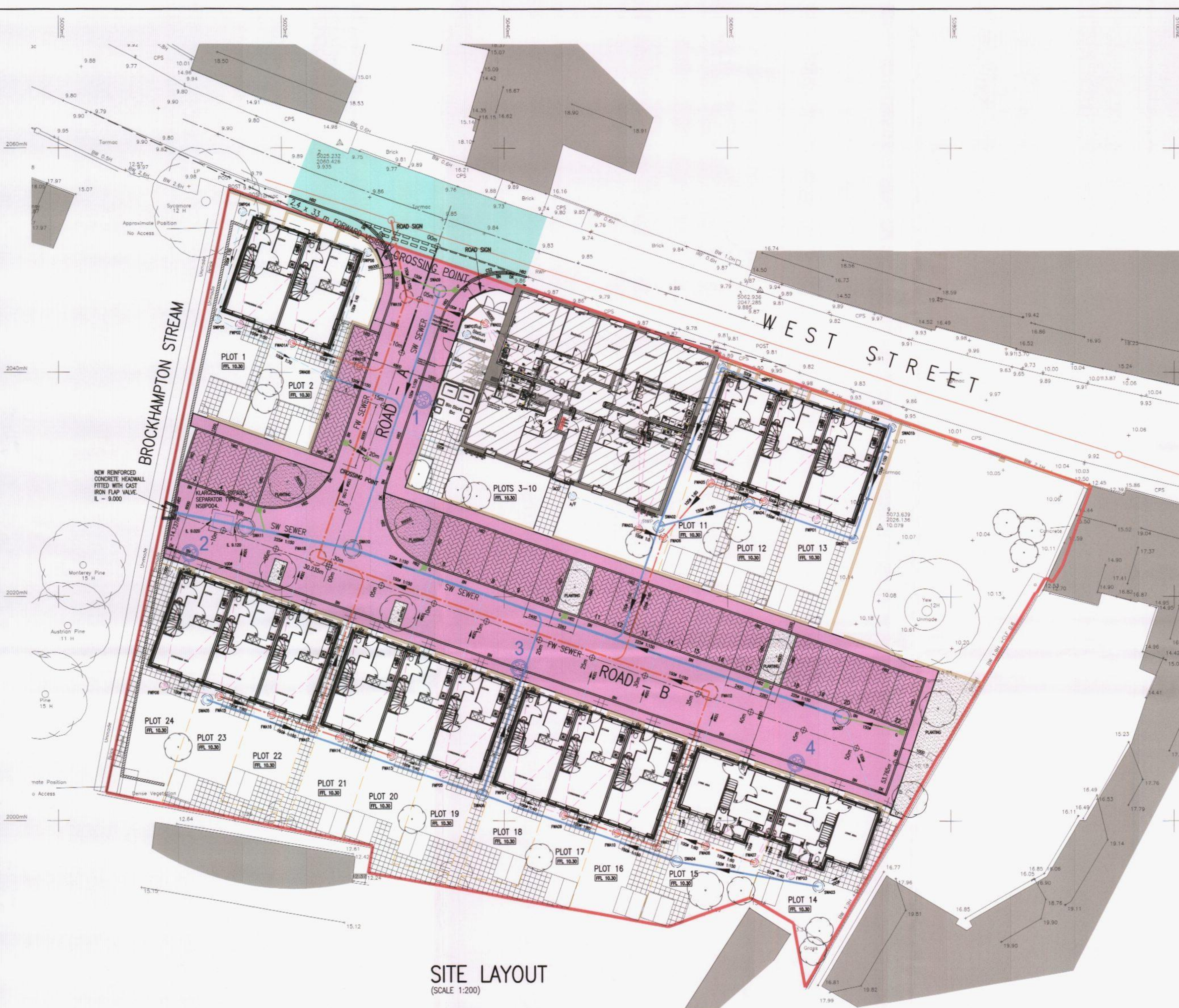




SITE LAYOUT  
(SCALE 1:200)

FW MANHOLE SCHEDULE

| REF    | COVER LEVEL* | INVERT LEVEL | DEPTH to SOFFIT | CHAMBER TYPE | INTERNAL DIA. | COVER GRADE** | REV |
|--------|--------------|--------------|-----------------|--------------|---------------|---------------|-----|
| FWP01  | 10.150       | 9.390(100)   | 660             | I/C          | 450           | A15           |     |
| FWP01  | 10.150       | 9.300(100)   | 750             | I/C          | 450           | A15           |     |
| FWP01  | 10.150       | 9.340(100)   | 710             | I/C          | 450           | A15           |     |
| FWP01  | 10.150       | 9.400(100)   | 650             | I/C          | 450           | A15           |     |
| FWP01  | 10.150       | 9.170(100)   | 880             | I/C          | 450           | A15           |     |
| FWP01  | 10.150       | 9.190(100)   | 860             | I/C          | 450           | A15           |     |
| FWA01A | 10.150       | 9.200(100)   | 850             | TYPE 4       | 500           | A15           |     |
| FWA01B | 10.300       | 8.495(100)   | 1705            | TYPE 3       | 500           | D400          |     |
| FWA02  | 10.000       | 9.300(100)   | 600             | TYPE 4       | 500           | B125          |     |
| FWA03  | 10.150       | 9.500(100)   | 550             | TYPE 4       | 500           | A15           |     |
| FWA04  | 10.150       | 9.260(100)   | 790             | TYPE 4       | 500           | A15           |     |
| FWA05  | 10.150       | 9.170(100)   | 880             | TYPE 4       | 500           | A15           |     |
| FWA06  | 10.150       | 9.060(100)   | 990             | TYPE 4       | 500           | A15           |     |
| FWA07  | 10.150       | 9.250(100)   | 800             | TYPE 4       | 500           | A15           |     |
| FWA08  | 10.150       | 9.170(100)   | 880             | TYPE 4       | 500           | A15           |     |
| FWA09  | 10.150       | 9.280(100)   | 770             | TYPE 4       | 500           | A15           |     |
| FWA10  | 10.150       | 9.200(100)   | 850             | TYPE 4       | 500           | A15           |     |
| FWA11  | 10.150       | 9.140(100)   | 910             | TYPE 4       | 500           | A15           |     |
| FWA12  | 10.200       | 8.840(150)   | 1210            | TYPE 3       | 500           | D400          |     |
| FWA13  | 10.150       | 9.050(100)   | 1000            | TYPE 4       | 500           | A15           |     |
| FWA14  | 10.150       | 8.970(100)   | 1080            | TYPE 4       | 500           | A15           |     |
| FWA15  | 10.150       | 9.070(100)   | 980             | TYPE 4       | 500           | A15           |     |
| FWA16  | 10.150       | 8.980(100)   | 1070            | TYPE 4       | 500           | A15           |     |
| FWA17  | 10.150       | 8.920(100)   | 1130            | TYPE 4       | 500           | A15           |     |
| FWA18  | 10.200       | 8.590(150)   | 1460            | TYPE 3       | 500           | D400          |     |
| FWA19  | 9.870        | 8.345(150)   | 1375            | TYPE 3       | 500           | D400          |     |

\* APPROX COVER LEVEL TO BE CONFIRMED ON SITE TO SUIT EXACT FINISHED GROUND LEVELS  
\*\* COVER GRADE TO BS EN124:1994  
\*\* ALL COVERS TO BE SCREW DOWN TYPE DUE TO FLOOD RISK POTENTIAL OF THIS SITE.

NOTE: ALL DRAINAGE UNDER BUILDINGS TO BE CONCRETE ENCASED.

SW MANHOLE SCHEDULE

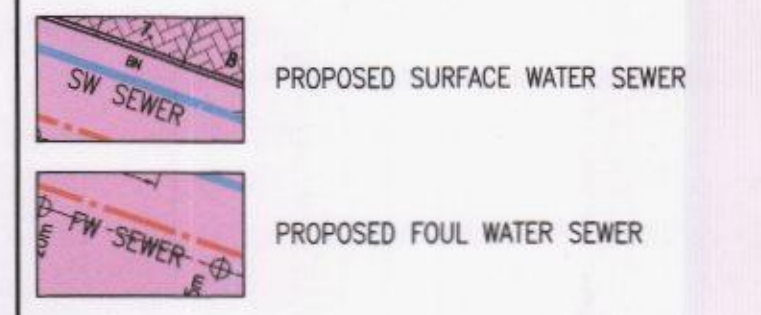
| REF    | COVER LEVEL* | INVERT LEVEL | DEPTH to SOFFIT | CHAMBER TYPE | INTERNAL DIA. | COVER GRADE** | REV |
|--------|--------------|--------------|-----------------|--------------|---------------|---------------|-----|
| SWP03  | 10.150       | 9.550(100)   | 500             | A/F          | 300           | A15           |     |
| SWP04  | 10.150       | 9.700(100)   | 350             | A/F          | 300           | A15           |     |
| SWP05  | 10.150       | 9.570(100)   | 480             | A/F          | 300           | A15           |     |
| SWP06  | 10.150       | 9.600(100)   | 450             | A/F          | 300           | A15           |     |
| SWP07  | 10.000       | 9.430(100)   | 470             | A/F          | 300           | A15           |     |
| SWA01a | 10.150       | 9.550(150)   | 450             | TYPE 4       | 500           | A15           |     |
| SWA01b | 10.150       | 9.650(150)   | 350             | TYPE 4       | 500           | A15           |     |
| SWA01c | 10.150       | 9.570(150)   | 430             | TYPE 4       | 500           | A15           |     |
| SWA01d | 10.150       | 9.490(150)   | 510             | TYPE 4       | 500           | A15           |     |
| SWA02  | 10.150       | 9.440(100)   | 560             | TYPE 4       | 500           | A15           |     |
| SWA03  | 10.150       | 9.625(150)   | 375             | TYPE 4       | 500           | A15           |     |
| SWA04  | 10.150       | 9.540(150)   | 460             | TYPE 4       | 500           | A15           |     |
| SWA05  | 10.150       | 9.605(150)   | 395             | TYPE 4       | 500           | A15           |     |
| SWA06  | 10.150       | 9.430(150)   | 570             | TYPE 4       | 500           | A15           |     |
| SWA07  | 10.180       | 9.505(225)   | 450             | TYPE 2       | 1200          | D400          |     |
| SWA08  | 10.150       | 9.355(150)   | 645             | TYPE 4       | 500           | A15           |     |
| SWA09  | 9.850        | 9.360(150)   | 340             | TYPE 3       | 500           | D400          |     |
| SWA10  | 10.170       | 9.195(225)   | 750             | TYPE 2       | 1200          | D400          |     |
| SWA11  | 10.200       | 9.130(225)   | 845             | TYPE 2       | 1200          | D400          |     |

\* APPROX COVER LEVEL TO BE CONFIRMED ON SITE TO SUIT EXACT FINISHED GROUND LEVELS  
\*\* COVER GRADE TO BS EN124:1994  
\*\* ALL COVERS TO BE SCREW DOWN TYPE DUE TO FLOOD RISK POTENTIAL OF THIS SITE.

NOTE: ALL DRAINAGE UNDER BUILDINGS TO BE CONCRETE ENCASED.  
ALL ROAD GULLIES TO BE FITTED WITH 'SMART SPONGE'.  
ALL RAINWATER DOWN PIPES TO TERMINATE AT ROADABLE GULLIES.

|                                                    |                                |              |  |
|----------------------------------------------------|--------------------------------|--------------|--|
| REDEVELOPMENT SURFACE DRAINAGE:                    |                                |              |  |
| HOUSES (ROOF)                                      | = 1033 m <sup>2</sup>          | = 21.6 l/sec |  |
| PARKING (PAVED)                                    | = 252 m <sup>2</sup>           | = 3.5        |  |
| HIGHWAY (ROAD)                                     | = 558 m <sup>2</sup>           | = 7.8        |  |
| TOTAL                                              | = 1843 m <sup>2</sup>          | = 32.9 l/sec |  |
| SITE AREA                                          | = 3771 m <sup>2</sup>          |              |  |
| DISCHARGE RATES BASED ON THE BUILDING REGULATIONS: |                                |              |  |
| ROADS                                              | = 0.014 l/sec/m <sup>2</sup>   |              |  |
| ROOFS                                              | = 2.16 l/sec/103m <sup>2</sup> |              |  |
| REDEVELOPMENT FOUL DRAINAGE:                       |                                |              |  |
| BUILDING REGULATIONS FOR 25 DWELLINGS              | = 5.4 l/sec                    |              |  |

- Notes
- THIS DRAWING IS COPYRIGHT & MUST NOT BE DISCLOSED TO THIRD PARTIES WITHOUT OUR PERMISSION.
  - SCALED DIMENSIONS ARE NOT TO BE USED FOR CONSTRUCTION.
  - THIS DRAWING SUPERSEDES DRAWING Nos 9785-01-02.



|      |          |     |                            |
|------|----------|-----|----------------------------|
| P1   | 05.06.15 | MRP | PRELIMINARY FOR DISCUSSION |
| rev. | date     | dm  | description                |

PROPOSED REDEVELOPMENT  
59-61 WEST STREET  
HAVANT PO9 1LA

PROPOSED DRAINAGE  
LAYOUT

GENERAL ARRANGEMENT

PRELIMINARY - NOT TO BE  
USED FOR CONSTRUCTION

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|             |          |          |          |
|-------------|----------|----------|----------|
| Drawn       | Date     | Scale    | Size     |
| MRP         | JUN 2015 | AS SHOWN | A1       |
| Drawing No. | 9785-101 |          | Revision |
|             |          |          | P1       |