

**DESIGN NOTES:**

- IN ACCORDANCE WITH THE CONSTRUCTION DESIGN & MANAGEMENT REGULATIONS 2015, IT IS THE POLICY OF THIS PRACTICE TO DESIGN OUT AS MANY IDENTIFIABLE RISKS AS POSSIBLE FOR THE CONSTRUCTION OPERATION AND MAINTENANCE OF THE PROJECT.
- ALL DRAWINGS MUST BE CHECKED BY THE PRE-CONSTRUCTION INFORMATION WHICH IS DEFINED IN THE CONSTRUCTION DESIGN & MANAGEMENT REGULATIONS 2015.
- A COMPETENT CONTRACTOR SHOULD BE AWARE OF NORMAL RISKS INVOLVED WITH THE CONSTRUCTION PROCESS. HOWEVER ADDITIONAL PRECAUTIONS WILL NEED TO BE CONSIDERED FOR THE FOLLOWING ITEMS:
  - NONE IDENTIFIED.
- SAFE METHODS AND SYSTEMS OF WORK REMAIN THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE IDENTIFIED IN THE CONSTRUCTION PHASE PLAN. THE CONSTRUCTION PHASE PLAN MUST BE IN PLACE PRIOR TO THE START OF ANY WORK ON SITE WORKS.
- RESIDUAL RISKS THAT HAVE BEEN IDENTIFIED AND CANNOT BE DESIGNATED OUT ARE AS FOLLOWS:
  - NONE IDENTIFIED.
- IF ANY PARTY LEAVES THE DRAWING CONSIDERS THAT THERE ARE ABNORMAL RISKS THAT HAVE NOT BEEN IDENTIFIED ABOVE, THEN THE ENGINEER SHOULD BE NOTIFIED.

**ADDITIONAL HEALTH & SAFETY NOTES:**

- CONTRACTOR SHOULD BE AWARE OF GENERAL CONSTRUCTION RISKS TO PREVENT SLIPS, TRIPS AND FALLS AND TAKE NECESSARY PRECAUTIONS THROUGH SPECIAL INSTRUCTION.
- CONTRACTOR TO PROVIDE TRENCH SUPPORTS AS APPROPRIATE AND ENSURE THAT PLANT REMAINS A SAFE DISTANCE FROM TRENCHES PRIOR TO INSTALLING DRAINAGE.
- THE TIME REQUIREMENTS ARE OPEN TO BE KEPT TO A MINIMUM AND ALL TRENCHES SHOULD BE SURROUNDED BY A BARRIER.
- CONNECTIONS TO EXISTING SERVICES TO BE MADE BY APPROVED CONTRACTOR ONLY.
- CONTRACTOR TO MAKE SURE WORKERS ARE AWARE OF ASSOCIATED DANGERS TO HEALTH SUCH AS LEPTOSPIROSIS (HILLS DISEASE) AND RECOMMENDED PRECAUTIONS. ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING TO BE PROVIDED AS REQUIRED.
- UNFINISHED MANHOLES MUST BE COVERED WITH LOAD BEARING MATERIALS AND SURROUNDED WITH BARRIERS.

**PIPE & CABLES:**

- CONTRACTOR TO OBTAIN ALL SERVICE RECORDS PRIOR TO WORKING COMMENCING.
- SERVICE RECORDS TO BE REFERRED TO PRIOR TO WORK COMMENCING. CONTRACTOR TO PROCEED WITH CAUTION AND SERVICES TO BE LOCATED BY HAND AND PROTECTED ACCORDINGLY.

**DESIGN NOTES:**

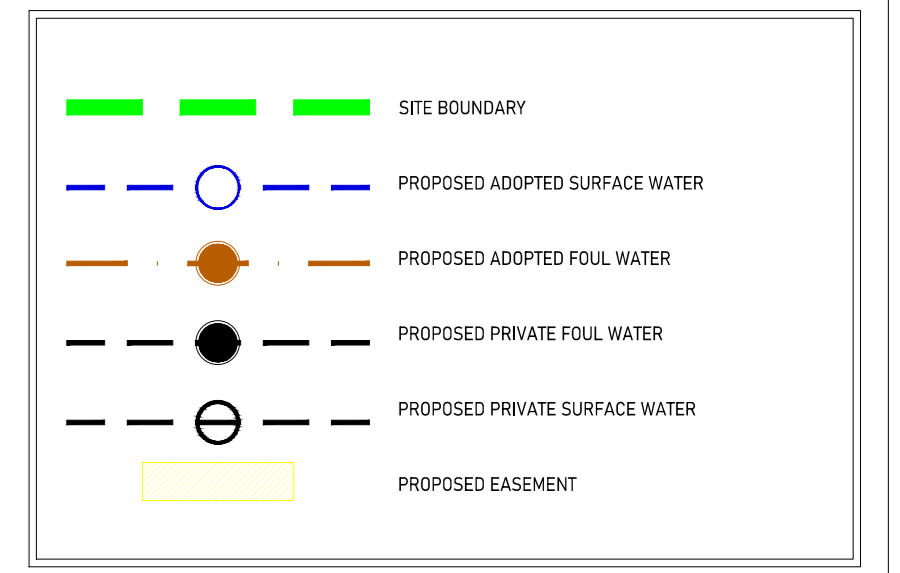
- CONTRACTOR TO ENSURE RELEVANT MEASURES ARE TAKEN TO KEEP PLANT AND PEOPLE AT A SAFE DISTANCE FROM EXISTING SERVICES.
- CONTRACTOR TO BE AWARE OF ASSOCIATED DANGERS TO HEALTH SUCH AS LEPTOSPIROSIS (HILLS DISEASE) AND RECOMMENDED PRECAUTIONS. ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING TO BE PROVIDED AS REQUIRED.

**LOCAL AUTHORITY DESIGN QUIDE AND SPECIFICATION:**

- PRIOR TO COMMENCING WORKS THE CONTRACTOR SHOULD INVESTIGATE AND LOCATE AS NECESSARY ANY STATUTORY UNDERTAKERS EQUIPMENT WITHIN THE NEW ACCESS AND LOCUS REQUIREMENTS FOR LOWING CONVERSION AND PROTECTION WITH THE RELEVANT UNDERTAKER.
- ALL WORKS WITHIN THE PUBLIC HIGHWAY TO MEET LOCAL AUTHORITY REQUIREMENTS. CONTRACTOR TO APPLY FOR ROAD OPENING NOTICES ETC AS REQUIRED.
- CBR VALUE NOT AVAILABLE. ROAD CONSTRUCTION DETAIL SUBJECT TO CONFIRMATION OF CBR VALUES. CONTRACTOR TO ALLOW FOR LAB TESTS TO BE UNDERTAKEN IN AGREEMENT WITH LOCAL AUTHORITY HIGHWAY ENGINEER PRIOR TO WORKS COMMENCING.
- PROPOSED LEVELS HAVE BEEN BASED ON THE EXISTING TOPOGRAPHICAL SURVEY PROVIDED BY THE DEVELOPER.
- PROPOSED DRAINAGE BASED ON THE LATEST ARCHITECTURAL LAYOUT PROVIDED BY THE DEVELOPER.
- SLOPES GREATER THAN 1 IN 4 MAY REQUIRE STABILISATION. GEOTECHNICAL ENGINEER TO BE CONTACTED TO CONFIRM REQUIREMENTS.

**PIPE MATERIALS**

- 150-2250: UPVC PIPES TO BE BSI KITEMARKED AND CERTIFIED TO BS 435-01 & BS EN 12201.
- 300-6000: CONCRETE PIPES TO BE BSI KITEMARKED, CLASS 120 CONCRETE & CERTIFIED TO BS 5911 & 1916.



**SUBJECT TO LOCAL AUTHORITY & WATER AUTHORITY APPROVAL**

| Date       | Revisions                            | Drawn | Checked | Rev |
|------------|--------------------------------------|-------|---------|-----|
| 17.12.2025 | FINAL SWM & SWM CHANGED TO PRIVATE   | NA    | AE      | 3   |
| 13.11.2025 | FINAL SWM & SWM CHANGED TO ADAPTABLE | SR    | AE      | 2   |
| 21.01.2025 | FIRST ISSUE                          | SR    | AE      | 1   |

Drawn Status: **TENDER**

Client: **YORKSHIRE COUNTY PROPERTIES**

Project: **DENBY LANE GRANGE MOOR**

Title: **S104 LAYOUT**

DO NOT SCALE. Scale @ A3: 1:200. Drawn: SR. Checked: AE. Date: 21.07.2025.

Job No: **Y22054**. Drawn No: **D800**. Rev: **3**

| Station | Existing   | Existing   | Existing   | Level   |
|---------|------------|------------|------------|---------|
| ST00    | 422134.96  | 422134.96  | 422134.96  | 217.711 |
| ST01    | 422145.280 | 422145.280 | 422145.280 | 216.242 |
| ST02    | 422145.702 | 422145.702 | 422145.702 | 209.680 |
| ST03    | 422147.842 | 422147.842 | 422147.842 | 216.831 |
| ST04    | 422152.244 | 422152.244 | 422152.244 | 216.884 |
| ST05    | 422156.990 | 422156.990 | 422156.990 | 217.449 |
| ST06    | 422159.796 | 422159.796 | 422159.796 | 217.358 |
| ST07    | 422161.880 | 422161.880 | 422161.880 | 217.330 |
| ST08    | 422163.900 | 422163.900 | 422163.900 | 218.842 |
| ST09    | 422165.920 | 422165.920 | 422165.920 | 218.814 |
| ST10    | 422167.940 | 422167.940 | 422167.940 | 218.819 |
| ST11    | 422169.960 | 422169.960 | 422169.960 | 218.824 |
| ST12    | 422171.980 | 422171.980 | 422171.980 | 218.829 |
| ST13    | 422173.000 | 422173.000 | 422173.000 | 218.834 |
| ST14    | 422175.020 | 422175.020 | 422175.020 | 218.839 |
| ST15    | 422177.040 | 422177.040 | 422177.040 | 218.844 |
| ST16    | 422179.060 | 422179.060 | 422179.060 | 218.849 |
| ST17    | 422181.080 | 422181.080 | 422181.080 | 218.854 |
| ST18    | 422183.100 | 422183.100 | 422183.100 | 218.859 |
| ST19    | 422185.120 | 422185.120 | 422185.120 | 218.864 |
| ST20    | 422187.140 | 422187.140 | 422187.140 | 218.869 |
| ST21    | 422189.160 | 422189.160 | 422189.160 | 218.874 |
| ST22    | 422191.180 | 422191.180 | 422191.180 | 218.879 |
| ST23    | 422193.200 | 422193.200 | 422193.200 | 218.884 |
| ST24    | 422195.220 | 422195.220 | 422195.220 | 218.889 |
| ST25    | 422197.240 | 422197.240 | 422197.240 | 218.894 |
| ST26    | 422199.260 | 422199.260 | 422199.260 | 218.899 |
| ST27    | 422201.280 | 422201.280 | 422201.280 | 218.904 |
| ST28    | 422203.300 | 422203.300 | 422203.300 | 218.909 |
| ST29    | 422205.320 | 422205.320 | 422205.320 | 218.914 |
| ST30    | 422207.340 | 422207.340 | 422207.340 | 218.919 |
| ST31    | 422209.360 | 422209.360 | 422209.360 | 218.924 |
| ST32    | 422211.380 | 422211.380 | 422211.380 | 218.929 |
| ST33    | 422213.400 | 422213.400 | 422213.400 | 218.934 |
| ST34    | 422215.420 | 422215.420 | 422215.420 | 218.939 |
| ST35    | 422217.440 | 422217.440 | 422217.440 | 218.944 |
| ST36    | 422219.460 | 422219.460 | 422219.460 | 218.949 |
| ST37    | 422221.480 | 422221.480 | 422221.480 | 218.954 |
| ST38    | 422223.500 | 422223.500 | 422223.500 | 218.959 |
| ST39    | 422225.520 | 422225.520 | 422225.520 | 218.964 |
| ST40    | 422227.540 | 422227.540 | 422227.540 | 218.969 |
| ST41    | 422229.560 | 422229.560 | 422229.560 | 218.974 |
| ST42    | 422231.580 | 422231.580 | 422231.580 | 218.979 |
| ST43    | 422233.600 | 422233.600 | 422233.600 | 218.984 |
| ST44    | 422235.620 | 422235.620 | 422235.620 | 218.989 |
| ST45    | 422237.640 | 422237.640 | 422237.640 | 218.994 |
| ST46    | 422239.660 | 422239.660 | 422239.660 | 219.000 |
| ST47    | 422241.680 | 422241.680 | 422241.680 | 219.005 |
| ST48    | 422243.700 | 422243.700 | 422243.700 | 219.010 |
| ST49    | 422245.720 | 422245.720 | 422245.720 | 219.015 |
| ST50    | 422247.740 | 422247.740 | 422247.740 | 219.020 |
| ST51    | 422249.760 | 422249.760 | 422249.760 | 219.025 |
| ST52    | 422251.780 | 422251.780 | 422251.780 | 219.030 |
| ST53    | 422253.800 | 422253.800 | 422253.800 | 219.035 |
| ST54    | 422255.820 | 422255.820 | 422255.820 | 219.040 |
| ST55    | 422257.840 | 422257.840 | 422257.840 | 219.045 |
| ST56    | 422259.860 | 422259.860 | 422259.860 | 219.050 |
| ST57    | 422261.880 | 422261.880 | 422261.880 | 219.055 |
| ST58    | 422263.900 | 422263.900 | 422263.900 | 219.060 |
| ST59    | 422265.920 | 422265.920 | 422265.920 | 219.065 |
| ST60    | 422267.940 | 422267.940 | 422267.940 | 219.070 |
| ST61    | 422269.960 | 422269.960 | 422269.960 | 219.075 |
| ST62    | 422271.980 | 422271.980 | 422271.980 | 219.080 |
| ST63    | 422274.000 | 422274.000 | 422274.000 | 219.085 |
| ST64    | 422276.020 | 422276.020 | 422276.020 | 219.090 |
| ST65    | 422278.040 | 422278.040 | 422278.040 | 219.095 |
| ST66    | 422280.060 | 422280.060 | 422280.060 | 219.100 |
| ST67    | 422282.080 | 422282.080 | 422282.080 | 219.105 |
| ST68    | 422284.100 | 422284.100 | 422284.100 | 219.110 |
| ST69    | 422286.120 | 422286.120 | 422286.120 | 219.115 |
| ST70    | 422288.140 | 422288.140 | 422288.140 | 219.120 |
| ST71    | 422290.160 | 422290.160 | 422290.160 | 219.125 |
| ST72    | 422292.180 | 422292.180 | 422292.180 | 219.130 |
| ST73    | 422294.200 | 422294.200 | 422294.200 | 219.135 |
| ST74    | 422296.220 | 422296.220 | 422296.220 | 219.140 |
| ST75    | 422298.240 | 422298.240 | 422298.240 | 219.145 |
| ST76    | 422300.260 | 422300.260 | 422300.260 | 219.150 |
| ST77    | 422302.280 | 422302.280 | 422302.280 | 219.155 |
| ST78    | 422304.300 | 422304.300 | 422304.300 | 219.160 |
| ST79    | 422306.320 | 422306.320 | 422306.320 | 219.165 |
| ST80    | 422308.340 | 422308.340 | 422308.340 | 219.170 |
| ST81    | 422310.360 | 422310.360 | 422310.360 | 219.175 |
| ST82    | 422312.380 | 422312.380 | 422312.380 | 219.180 |
| ST83    | 422314.400 | 422314.400 | 422314.400 | 219.185 |
| ST84    | 422316.420 | 422316.420 | 422316.420 | 219.190 |
| ST85    | 422318.440 | 422318.440 | 422318.440 | 219.195 |
| ST86    | 422320.460 | 422320.460 | 422320.460 | 219.200 |
| ST87    | 422322.480 | 422322.480 | 422322.480 | 219.205 |
| ST88    | 422324.500 | 422324.500 | 422324.500 | 219.210 |
| ST89    | 422326.520 | 422326.520 | 422326.520 | 219.215 |
| ST90    | 422328.540 | 422328.540 | 422328.540 | 219.220 |
| ST91    | 422330.560 | 422330.560 | 422330.560 | 219.225 |
| ST92    | 422332.580 | 422332.580 | 422332.580 | 219.230 |
| ST93    | 422334.600 | 422334.600 | 422334.600 | 219.235 |
| ST94    | 422336.620 | 422336.620 | 422336.620 | 219.240 |
| ST95    | 422338.640 | 422338.640 | 422338.640 | 219.245 |
| ST96    | 422340.660 | 422340.660 | 422340.660 | 219.250 |
| ST97    | 422342.680 | 422342.680 | 422342.680 | 219.255 |
| ST98    | 422344.700 | 422344.700 | 422344.700 | 219.260 |
| ST99    | 422346.720 | 422346.720 | 422346.720 | 219.265 |
| ST100   | 422348.740 | 422348.740 | 422348.740 | 219.270 |

Thornfield  
Stone Lodge

