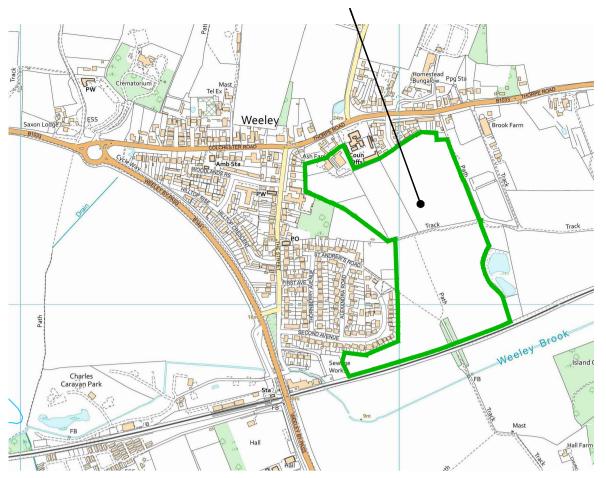


divert all services affected by the works



THE SITE

LOCATION PLAN

SCALE 1:10000

ADOPTABLE DRAINAGE NOTES

1. ALL PROPOSED ADOPTABLE FOUL AND SURFACE WATER SEWERS (EXCEPT HIGHWAY DRAINS) AND ALL WORKS TO EXISTING PUBLIC SEWERS SHALL BE STRICTLY IN ACCORDANCE WITH WATER UK DOCUMENTS "SEWERAGE SECTOR GUIDANCE - APPROVED DOCUMENTS" INCLUDING "SSG APPENDIX C -DESIGN AND CONSTRUCTION GUIDANCE" AND THE REQUIREMENTS OF THE WATER AUTHORITY.

2. GULLIES, GULLY CONNECTIONS AND HIGHWAY DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HIGHWAYS AUTHORITY

3. ALL COVER LEVELS SHOWN ON THE DRAWINGS ARE APPROXIMATE. EXACT LEVELS TO BE DETERMINED ON SITE TO SUIT ADJACENT FINISHED LEVELS

4. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR DEALING WITH ANY LIVE FLOWS IN EXISTING DRAINS OR SEWERS.

5. PRIOR TO COMMENCEMENT OF THE DRAINAGE WORKS, THE CONTRACTOR SHALL VERIFY THE INVERT LEVELS OF EXISTING MANHOLES AND/OR WATERCOURSES AT PROPOSED DISCHARGE POINTS.

6. OFF-SITE SEWERS AND OUTFALLS SHALL BE CONSTRUCTED PRIOR TO COMMENCEMENT OF WORKS ON-SITE.

7. THE COST OF ANY CCTV SURVEY UNDERTAKEN AT THE INSTRUCTION OF THE WATER AUTHORITY SHALL BE BOURNE BY THE CONTRACTOR.

8. NO WORKS ARE TO BE UNDERTAKEN WITHIN EXISTING PUBLIC MANHOLES OR NEW MANHOLES BUILT ON EXISTING PUBLIC SEWERS WITHOUT THE APPOINTED CONTRACTORS' FIRST OBTAINING A CONFINED SPACE 'PERMIT TO WORK/ENTER' FROM ANGLIAN WATER. PERMITS ARE ONLY ISSUED TO CONTRACTORS' STAFF WHO HOLD THE APPROPRIATE CITY AND GUILDS CONFINED SPACE TRAINING CERTIFICATION.

9. ALL PRIVATE CONNECTIONS TO THE PROPOSED PUBLIC SEWERS TO BE LAID TO THE GRADIENTS AND PIPE SIZE SHOWN (MINIMUM OF 100mm DIAMETER) AND LAID SOFFIT TO SOFFIT. CONNECTING PRIVATE PIPEWORK TO BE MADE IN VITRIFIED CLAY.

ADOPTABLE HIGHWAY NOTES

1. ALL ADOPTABLE HIGHWAY CONSTRUCTION (INCLUDING HIGHWAY DRAINS) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ESSEX COUNTY COUNCIL DEVELOPMENT CONSTRUCTION MANUAL AND THE REQUIREMENTS OF THE HIGHWAY AUTHORITY.

2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY LICENCES AND PRIOR APPROVAL OF THE HIGHWAY AUTHORITY BEFORE CARRYING OUT ANY WORKS WITHIN THE EXISTING PUBLIC HIGHWAY.

3. ALL PRIVATE DRIVES SHALL BE CONSTRUCTED USING GULLIES OR OTHER SUITABLE MEANS TO ENSURE THAT NO SURFACE WATER DRAINS ONTO THE EXISTING OR PROPOSED PUBLIC HIGHWAY

4. UNLESS NOTED OTHERWISE, ALL ROAD MARKINGS SHALL BE IN WHITE THERMOPLASTIC SCREED WITH APPLIED GLASS BEADS. ALL IN ACCORDANCE WITH HIGHWAY AGENCY SPECIFICATION FOR HIGHWAY WORKS.

5. STREET LIGHTING COLUMNS SHOWN FOR INFORMATION ONLY. REFERENCE

MUST BE MADE TO THE STREET LIGHTING DESIGN DRAWINGS AND 6. LOCATION, EXTENT AND ORIENTATION OF TACTILE PAVING, SIGNS AND

OTHER STREET FURNITURE TO BE AGREED ON SITE WITH THE HIGHWAY AUTHORITY

ADOPTABLE STREET LIGHTING

1. ALL ADOPTABLE STREET LIGHTING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE HIGHWAY AUTHORITY STREET LIGHTING ENGINEER. 2. REFER TO LIGHTING SPECIALISTS DESIGN PROPOSAL FOR DETAILS AND SPECIFICATION OF ALL LIGHTING.

3. ALL COLUMN LOCATIONS SHOWN ON THESE DRAWINGS ARE APPROXIMATE. EXACT LOCATIONS TO BE AGREED ON SITE WITH THE HIGHWAY AUTHORITY STREET LIGHTING ENGINEER.

SCHEDULE OF ROADS AND DRAINAGE **WORKS DRAWINGS**

NUMBER 10910/1000 SCHEME PLAN (THIS DRAWING) **ENGINEERING LAYOUT - SHEET 1 OF 17 ENGINEERING LAYOUT - SHEET 2 OF 17** ENGINEERING LAYOUT - SHEET 3 OF 1 10910/1004 **ENGINEERING LAYOUT - SHEET 4 OF 17** 10910/1005 ENGINEERING LAYOUT - SHEET 5 OF 1 **ENGINEERING LAYOUT - SHEET 6 OF 17** 10910/1006 ENGINEERING LAYOUT - SHEET 7 OF 17 10910/1007 10910/1008 **ENGINEERING LAYOUT - SHEET 8 OF 1 ENGINEERING LAYOUT - SHEET 9 OF 17** 10910/1010 **ENGINEERING LAYOUT - SHEET 10 OF 1** 10910/1011 **ENGINEERING LAYOUT - SHEET 11 OF 17** 10910/1012 ENGINEERING LAYOUT - SHEET 12 OF 17 ENGINEERING LAYOUT - SHEET 13 OF 17 10910/1013 ENGINEERING LAYOUT - SHEET 14 OF 17 10910/1014 10910/1015 **ENGINEERING LAYOUT - SHEET 15 OF 17** 10910/1016 ENGINEERING LAYOUT - SHEET 16 OF 17 ENGINEERING LAYOUT - SHEET 17 OF 17 10910/1101 ADOPTABLE ROAD SETTING OUT - SHEET 1 OF 9 ADOPTABLE ROAD SETTING OUT - SHEET 2 OF 9 10910/1102 ADOPTABLE ROAD SETTING OUT - SHEET 3 OF 9 10910/1103 ADOPTABLE ROAD SETTING OUT - SHEET 4 OF 9 ADOPTABLE ROAD SETTING OUT - SHEET 5 OF 9 ADOPTABLE ROAD SETTING OUT - SHEET 6 OF 9 10910/1107 ADOPTABLE ROAD SETTING OUT - SHEET 7 OF 9 10910/1108 ADOPTABLE ROAD SETTING OUT - SHEET 8 OF 9 ADOPTABLE ROAD SETTING OUT - SHEET 9 OF 9 10910/1109 ADOPTABLE ROAD CONTOUR PLAN - SHEET 1 OF 9 ADOPTABLE ROAD CONTOUR PLAN - SHEET 2 OF 9 ADOPTABLE ROAD CONTOUR PLAN - SHEET 3 OF 9 ADOPTABLE ROAD CONTOUR PLAN - SHEET 4 OF 9 10910/1126 ADOPTABLE ROAD CONTOUR PLAN - SHEET 6 OF 9 ADOPTABLE ROAD CONTOUR PLAN - SHEET 7 OF 9 10910/1127 ADOPTABLE ROAD CONTOUR PLAN - SHEET 8 OF 9 10910/1128 ADOPTABLE ROAD CONTOUR PLAN - SHEET 9 OF 9 10910/1129 10910/1201 ROAD & DRAINAGE LONGSECTIONS - SHEET 1 OF 11 10910/1202 ROAD & DRAINAGE LONGSECTIONS - SHEET 2 OF 11 ROAD & DRAINAGE LONGSECTIONS - SHEET 3 OF 11 10910/1203 **ROAD & DRAINAGE LONGSECTIONS - SHEET 4 OF 11** 10910/1204 ROAD & DRAINAGE LONGSECTIONS - SHEET 5 OF 11 10910/1205 ROAD & DRAINAGE LONGSECTIONS - SHEET 6 OF 11 ROAD & DRAINAGE LONGSECTIONS - SHEET 7 OF 11 10910/1208 ROAD & DRAINAGE LONGSECTIONS - SHEET 8 OF 11 10910/1209 ROAD & DRAINAGE LONGSECTIONS - SHEET 9 OF 11 ROAD & DRAINAGE LONGSECTIONS - SHEET 10 OF 11 10910/1210 ROAD & DRAINAGE LONGSECTIONS - SHEET 11 OF 11 10910/1211 10910/1251 FOUL WATER CHAMBER SCHEDULES - SHEET 1 OF 2 10910/1252 FOUL WATER CHAMBER SCHEDULES - SHEET 2 OF 2 SURFACE WATER CHAMBER SCHEDULES - SHEET 1 OF 3 10910/1253 SURFACE WATER CHAMBER SCHEDULES - SHEET 2 OF 3 10910/1254 SURFACE WATER CHAMBER SCHEDULES - SHEET 3 OF 3 10910/1255 10910/1301 ADOPTABLE ROAD CONSTRUCTION DETAILS - SHEET 1 OF 3 10910/1302 ADOPTABLE ROAD CONSTRUCTION DETAILS - SHEET 2 OF 3 ADOPTABLE ROAD CONSTRUCTION DETAILS - SHEET 3 OF 3 10910/1303 ADOPTABLE DRAINAGE CONSTRUCTION DETAILS - SHEET 1 OF 2 10910/1351 ADOPTABLE DRAINAGE CONSTRUCTION DETAILS - SHEET 2 OF 2 10910/1352 10910/1401 PRIVATE DRAINAGE & LEVELS LAYOUT - SHEET 1 OF 14 10910/1402 PRIVATE DRAINAGE & LEVELS LAYOUT - SHEET 2 OF 14 10910/1403 PRIVATE DRAINAGE & LEVELS LAYOUT - SHEET 3 OF 14 PRIVATE DRAINAGE & LEVELS LAYOUT - SHEET 4 OF 14 10910/1404 PRIVATE DRAINAGE & LEVELS LAYOUT - SHEET 5 OF 14 10910/1405 10910/1406 PRIVATE DRAINAGE & LEVELS LAYOUT - SHEET 6 OF 14 PRIVATE DRAINAGE & LEVELS LAYOUT - SHEET 7 OF 14 PRIVATE DRAINAGE & LEVELS LAYOUT - SHEET 8 OF 14 10910/1409 PRIVATE DRAINAGE & LEVELS LAYOUT - SHEET 9 OF 14 10910/1410 PRIVATE DRAINAGE & LEVELS LAYOUT - SHEET 10 OF 14 10910/1411 PRIVATE DRAINAGE & LEVELS LAYOUT - SHEET 11 OF 14 PRIVATE DRAINAGE & LEVELS LAYOUT - SHEET 12 OF 14 10910/1412 PRIVATE DRAINAGE & LEVELS LAYOUT - SHEET 13 OF 14 10910/1413 PRIVATE DRAINAGE & LEVELS LAYOUT - SHEET 14 OF 14 10910/1414 10910/1451 PRIVATE DRAINAGE CONSTRUCTION DETAILS - SHEET 1 OF 2 10910/1452 PRIVATE DRAINAGE CONSTRUCTION DETAILS - SHEET 2 OF 2 10910/1471 PRIVATE AREAS EXTERNAL WORKS CONSTRUCTION DETAILS 10910/2001 SECTION 38 AGREEMENT PLAN - SHEET 1 OF 4 10910/2002 SECTION 38 AGREEMENT PLAN - SHEET 2 OF 4 SECTION 38 AGREEMENT PLAN - SHEET 3 OF 4 10910/2003 SECTION 38 AGREEMENT PLAN - SHEET 4 OF 4 10910/2004 10910/2011 SECTION 38 AGREEMENT PLAN (COLOURED) - SHEET 1 OF 4 SECTION 38 AGREEMENT PLAN (COLOURED) - SHEET 2 OF 4 10910/2012 10910/2013 SECTION 38 AGREEMENT PLAN (COLOURED) - SHEET 3 OF 4 10910/2014 SECTION 38 AGREEMENT PLAN (COLOURED) - SHEET 3 OF 4 10910/2021 SECTION 104 AGREEMENT PLAN - SHEET 1 OF 5 SECTION 104 AGREEMENT PLAN - SHEET 2 OF 5 10910/2022 SECTION 104 AGREEMENT PLAN - SHEET 3 OF 5

SECTION 104 AGREEMENT PLAN - SHEET 4 OF 5

SECTION 104 AGREEMENT PLAN - SHEET 5 OF 5

ARRANGEMENT OF MAIN SUDS SYSTEM WETLAND

DETAILS OF NORTH-EAST SuDS SYSTEM WETLAND

MAIN SUDS SYSTEM WETLAND CONSTRUCTION DETAILS

FOR DETAILS OF OFF-SITE HIGHWAY WORKS, REFER TO DRAWINGS LISTED ON DRAWING

MAIN SUDS SYSTEM WETLAND CROSS SECTIONS

SuDS MANAGEMENT PLAN

AREAS CONTRIBUTING TO S.W. SEWER MAIN NETWORK

AREAS CONTRIBUTING TO NORTH-EAST S.W. SEWER NETWORK

10910/2025

10910/AC1

10910/AC2

10910/RW1

10910/RW2

10910/RW3

NUMBER 10910/HW01

7. ALL PRECAST AND INSITU CONCRETE AND MORTAR USED IN THE CONSTRUCTION OF FOUL SEWERS/DRAINS MUST COMPLY WITH THE REQUIREMENTS OF BRE SPECIAL DIGEST 1, DESIGN SULPHATE CLASS DS-3 AND AGGRESSIVE CHEMICAL ENVIRONMENT FOR CONCRETE CLASS AC-3.FOR ALL OTHER CONCRETE/MORTAR THE REQUIREMENTS FOR BURIED CONCRETE SHALL BE AS SPECIFIED IN THE GEOTECHNICAL INVESTIGATION. 8. NO OVERHEAD PROJECTIONS, GAS METER BOXES ETC. TO BE SITED OVER ADOPTABLE AREA OR IN ADJACENT AREAS OPEN TO THE PUBLIC. 9. WHERE THERE IS NO PROPOSED FOOTWAY, ALL ADOPTABLE CARRIAGEWAYS SHALL HAVE A MINIMUM CLEARANCE OF 500mm TO ANY FENCE, PLANTING OR OTHER 10. ALL TREES PLANTED WITHIN 5m OF ANY EXISTING OR ADOPTABLE HIGHWAY (FOOTWAY OR CARRIAGEWAY) SHALL BE PROVIDED WITH ROOT PROTECTION MEASURES TO PROTECT THE FUTURE PUBLIC HIGHWAY 11. ANY PLANTING WITHIN 3m OF BELOW GROUND STORAGE CRATES TO BE SHALL BE PROVIDED WITH ROOT PROTECTION MEASURES TO PROTECT THE SuDS SYSTEM. 12. ANY PART OF A SWALE OR STORAGE BASIN WITHIN 5m OF ANY BUILDING SHALL BE LINED WITH AN IMPERMEABLE MEMBRANE 13. AN ENGLISH BOND IS REQUIRED TO ALL BRICKWORK SUPPORTING COVERS AND FRAMES WITHIN THE ADOPTABLE HIGHWAY UNLESS SPECIFIED DIFFERENTLY. MORTAR LAYING JOINTS SHOULD BE BETWEEN 12mm-18mm. 14. ALL COVER LEVELS SHOWN ON THE DRAWINGS ARE APPROXIMATE. EXACT LEVELS TO BE DETERMINED ON SITE TO SUIT ADJACENT FINISHED LEVELS

> C | 18.12.2023 | LAYOUT UPDATED B 09.05.2022 ROAD NUMBERS ADDED A 02.12.2021 SITE LAYOUT UPDATED. Revisions

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THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT

ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS AND ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY

1. THIS DRAWING IS BASED ON TOPOGRAPHICAL SURVEY DRAWINGS

2. ALL LEVELS RELATE TO ORDNANCE DATUM. REFER TO SITE SURVEY FOR

3. PRIOR TO COMMENCEMENT OF ANY WORKS, THE CONTRACTOR SHALL LIAISE WITH ALL RELEVANT AUTHORITIES TO ENSURE THAT ALL EXISTING SERVICES THAT MAY BE AFFECTED BY THE WORKS ARE LOCATED,

4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY LICENCES AND PRIOR APPROVAL OF THE HIGHWAY AUTHORITY BEFORE CARRYING OUT ANY WORKS

5. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL DRAWINGS

6. ALL DRAIN LATERAL CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE LINE AND LEVEL SHOWN ON THE PRIVATE DRAINAGE LAYOUTS. LATERALS SHALL BE SUITABLY CAPPED AND THEIR POSITION CLEARLY MARKED AND RECORDED FOR FUTURE USE. UNLESS NOTED OTHERWISE ALL

WITHIN THE EXISTING PUBLIC HIGHWAY. ALL WORKS SHALL BE IN ACCORDANCE WITH THE ESSEX COUNTY COUNCIL DEVELOPMENT

LATERALS SHALL BE 150mmØ PIPEWORK LAID AT 1 IN 80.

ARCHITECTS, SPECIALISTS AND ENGINEERS DRAWINGS

18983se-01C AND 18983se-02C BY SURVEY SOLUTIONS

PROTECTED AND WHERE NECESSARY DIVERTED.

LOCATIONS AND VALUES OF GROUND CONTROL STATIONS.

NOTES

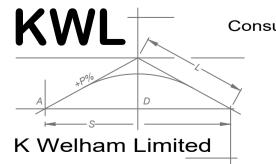
CONSTRUCTION MANUAL.

LISTED IN THE SCHEDULE.

EXTENSION TO BARLEYFIELDS RESIDENTIAL DEVELOPMENT WEELEY, ESSEX.

Drawing Title

SCHEME PLAN



Consulting Engineers PO Box 238

DL10 9EW 01206 321600

Richmond

1:2000 @ A1

Drawing No.

Oct 2021