POINT	EASTING	NORTHING	ELEVATION
1001	532825.475	347008.329	2.832
1002	532824.570	347004.454	2.799
1003	532827.017	347000.203	2.727
1004	532827.201	347000.087	2.726
1005	532829.184	347000.137	2.700
1006	532829.187	347000.137	2.700
1007	532830.132	347010.262	2.589
1008	532837.139	347025.701	2.597

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NOTES:

ALL SEWERS PROPOSED FOR ADOPTION UNDER A SECTION 104 AGREEMENT OF THE WATER INDUSTRY ACT 1991 TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROCEDURES AND SPECIFICATIONS OF SEWERAGE SECTOR GUIDANCE (SSG) V2.2 (JUNE 2022) AND DESIGN AND CONSTRUCTION GUIDANCE (DCG) V2.2 (JUNE 2022).
PRIVATE FOUL DRAINS CONNECTIONS TO BE 150mm dia. LAID NO FLATTER THAN 1:60 WHERE SERVING 6 PLOTS OR LESS AND 150mm dia. LAID NO FLATTER THAN 1:150 WHERE SERVING 10 PLOTS OR MORE. (UNLESS OTHERWISE STATED).
ALL SEWERS AND LATERAL DRAINS WITHIN DOMESTIC CURTILAGE OF DIAMETER 100mm AND 150mm TO BE EITHER CLAY PIPES EXTRA STRENGTH OR PVC-U TO BS EN 1401-1:1996 & BS 4660:2000.
ALL PRIVATE DRAINS CONNECTIONS WITHIN ADOPTED HIGHWAY TO BE CLAY PIPES EXTRA STRENGTH.
ALL PIPEWORK TO BE LAID SOFFIT TO SOFFIT UNLESS OTHERWISE STATED.
ALL HIGHWAY DRAINAGE PIPES TO BE POLYPIPE HIGGRAIN FULLY PERFORATED (IN FILTER STRIPS AND INFILTRATION SWALES) OR POLYPIPE HIGGRAIN SOLID (IN ROAD CROSSING LOCATIONS AND THROUGH PUBLIC OPEN SPACE) WITH GLASS 5 BEDDING (10mm - 5mm GRAVEL RED & SERRIDONI UNLESS DENOTED OTHERWISE). CONCRETE PROTECTION PROVIDED WHERE THE PIPE DOES NOT FORM PART OF A FILTER STRUCTURE AND COVER IS LESS THAN 1.2m.
ALL CLAY PIPES 150mmØ TO BE EXTRA STRENGTH WITH CONCRETE PROTECTION.
PRECAST CONCRETE PRODUCTS AND IN-SITU CONCRETE TO COMPLY & MANUFACTURED TO BS 5911 & B.R.C.
STRUCTURAL CONCRETE TO BE IN ACCORDANCE WITH BS 5328 AND NOT TO BE LESS THAN GRADE FM2/ WHEN REINFORCED AND GEN1 IN ALL OTHER SITUATIONS.
FACE CONCRETE SHALL BE FINISHED TO PRODUCE A "FAIR" SURFACE WHERE EXPOSED AND SHALL HAVE A "BROOM" FINISH IN ALL OTHER SITUATIONS. (FINISHES AS DEFINED IN CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY - 5TH EDITION).
STEEL WORK SHALL BE IN ACCORDANCE WITH BS4449.
ALL MANHOLE COVERS TO BE 600x600 CLEAR OPENING (UNLESS STATED OTHERWISE) ON MANHOLE SCHEDULE or TYPE C (MANHOLES) IN ACCORDANCE WITH B.S. EN124 CLASS B400 AND EMBOSSED FW OR SW AS APPROPRIATE.
THE SPECIFICATION IN ALL RESPECTS SHALL BE IN ACCORDANCE WITH THE CURRENT DEVELOPMENT ROAD AND SUSTAINABLE DRAINAGE SPECIFICATION AND CONSTRUCTION PUBLICATION IN FORCE IN THE COUNTY AT THE TIME OF CONSTRUCTION.
THE MINIMUM LONGITUDINAL FALL FOR HIGHWAYS, WITHOUT CHANNEL BLOCKS SHALL BE 1 in 150, AND WITH CHANNEL BLOCKS 1 in 250. SEE CLAUSE 10.1.9 OF THE DEVELOPMENT ROAD AND SUSTAINABLE DRAINAGE SPECIFICATION AND CONSTRUCTION. IN ADDITION, ENSURE THAT THE FIRST SECTION OF ANY SIDE ROAD FALLS AWAY FROM THE ROAD TO WHICH IT IS CONNECTING, IF GENERAL TOPOGRAPHY REQUIRES IT THE HOLE THIS CHANGE OF DIRECTION SHOULD TAKE PLACE AFTER THE FIRST SET OF GULLIES. THIS IS TO ENSURE A VALLEY CHANNEL WITH ASSOCIATED DRAINAGE PROBLEMS IS NOT CREATED IN THE BELLMOUTH OF JUNCTIONS.
GENERAL DETERIORATION OF THE EXISTING HIGHWAY / FOOTWAY / VERGES CREATED THROUGH CONSTRUCTION OF THE NEW SECTION 24 DEVELOPMENT WILL BE REINSTATED TO THE DEVELOPMENT ROAD AND SUSTAINABLE DRAINAGE SPECIFICATION AND CONSTRUCTIONS AT THE DEVELOPERS OWN COST AT THE AGREEMENT OF THE INSPECTING HIGHWAY AND FLOOD AUTHORITY OFFICER.
NO PRIVATE SURFACE WATER SHALL DISCHARGE ON TO THE ADOPTABLE HIGHWAY.
NO PRIVATE STRUCTURAL FEATURES SHALL OVERHANG THE ADOPTABLE HIGHWAY.
NO PRIVATE RETAINING WALLS EXISTING 1.5m OR MORE OR WITHIN 3.6m OF THE HIGHWAY BOUNDARY.
ALL SIGNS AND LINE MARKINGS ARE TO BE AGREED WITH THE SENIOR HIGHWAYS OFFICER PRIOR TO CONSTRUCTION.
BT CHAMBERS AND ANGLIAN WATER METERS ARE NOT TO BE LOCATED WITHIN PEDESTRIAN CROSSING POINTS OR VEHICLE ACCESSES.
ALL PARTS OF THE DEVELOPMENT OUTSIDE HIGHWAY ADOPTED AREAS AND PRIVATE PLOT CURTILAGE ARE TO BE MAINTAINED BY THE RESIDENT MANAGEMENT COMPANY.

Domestic Curtilage Drainage Notes

Plot 1 — DENOTES PLOT NUMBER
3.500 — DENOTES SUGGESTED FINISHED FLOOR LEVEL
(2.32) — DENOTES EXISTING GROUND LEVEL

- FW SEWER (S104) - DIA. GRAD & MATERIAL AS LAYOUT (PERFORATED PIPES).
- SW SEWER (S104) - DIA. GRAD & MATERIAL AS LAYOUT (SOLID PIPES).
- FW SEWER (S104) - 150mm Ø (min 1:150) or 225mm Ø (min 1:225) (10+ PLOTS).
- FW PUMPING MAIN (S104) - 90mm HD HPPE SDR17.1 GRA.
- CULVERTED DRAIN - DIA. GRAD & MATERIAL AS LAYOUT (PERFORATED PIPES).
- CULVERTED DRAIN - DIA. GRAD & MATERIAL AS LAYOUT (SOLID PIPES).
- 150mm Ø poly connection (CLAY PIPES) HIGHWAY DRAINAGE (S38)
- 100mm Ø (min 1:60) 150mm Ø (min 1:150) SW HOUSE DRAIN (PRIVATE).
- 100mm Ø (min 1:60) 150mm Ø (min 1:150) FW HOUSE DRAIN (PRIVATE).
- RAINWATER PIPE ADAPTOR
- ssp SSP ADAPTOR
- wb WASH BASIN / BATH / SHOWER ADAPTOR
- wc WC ADAPTOR
- brg BACK INLET GULLY
- BORDING EYE
- SW SOURCE CONTROL OUTLET WITH SILT TRAP AS DETAIL.
- SKELETANK HIGH PERFORMANCE DIFFUSER COMPOST / OUTLET INSPECTION CHAMBER AS DETAIL.
- POLYPROPYLENE 900M ACCESS CHAMBER (PRIVATE) - STORM
- POLYPROPYLENE ACCESS CHAMBER (PRIVATE) - FOUL
- POLYPROPYLENE 900M ACCESS CHAMBER (PRIVATE) - FOUL
- DOMESTIC CURTILAGE PERMEABLE PAVED DRIVEWAY LEVELS TO BE SET SO AS TO PROMOTE FLOWS WITHIN THE SUB BASE RESERVOIR LAYER FROM SOURCE CONTROL OUTLETS TOWARDS DIFFUSER UNIT.
- PEDESTRIAN CROSSING POINT WITH TACTILE PAVING.
- UNDER-DRAINED BIOREGENE SWALE WITH PERFORATED PIPES, DIA, GRAD & MATERIAL AS LAYOUT. GRASSED SWALE ELEMENT (TOP SURFACE) TO BE ADOPTED BY LCC UNDER SECTION 24 AGREEMENT PERFORATED PIPES TO BE ADOPTED BY AWS LTD UNDER SECTION 104 AGREEMENT.

IMPORTANT NOTE:- WHERE THE LAYOUT SHOWS A PIPE LINKING TWO OR MORE SWALE SECTIONS CROSSING UNDER AN ADOPTABLE ROAD OR IMPORTANT ACCESS A TRADITIONAL NON-PERIODIC PIPE SHALL BE USED WITH MATERIALS AS SHOWN ON THE LAYOUT. THE SECTION BENEATH THE ADOPTABLE ROAD OR IMPORTANT ACCESS TO BE PROVIDED WITH A 150mm THICK C35/40 CONCRETE PROTECTION DUE TO THE SHALLOW NATURE OF UNDER-DRAINED SWALES.

REMOVING OF PLASTIC PIPES (S. 90)W NO LONGER PERMITTED BY AWS LTD. CURVATURE ALIGNMENT TO BE ACHIEVED BY THE USE OF PROPRIETARY BEND UNITS AND SHORT LENGTHS OF STRAIGHT PIPE TO ACHIEVE THE REQUIRED CURVATURE ALIGNMENT WITHIN THE LIMITS OF THE FILTER DRAIN TRENCH. CONSTRUCTION CONTRACTOR TO PRODUCE PIPE LINE SCHEDULES FOR APPROVAL TO DEMONSTRATE HOW THIS IS TO BE ACHIEVED ON A SITE SPECIFIC AND PIPE RUN SPECIFIC BASIS.

POLYPROPYLENE ACCESS CHAMBERS (TYPE A) TO BE USED UP TO 1.0m DEEP.
POLYPROPYLENE ACCESS CHAMBERS (TYPE B) TO BE USED UP TO 2.0m DEEP (SEEING BACK 1 PLOTS).
ALL CHAMBERS ON SEWERS AND LATERALS WITHIN GARDEN AREAS, FOOTPATHS AND DRIVEWAYS TO BE FITTED WITH B125 COVERS.
CHAMBERS WITHIN PARKING CONTRAINTS TO BE FITTED WITH B125 COVERS & GRADE 400 COVERS.
CHAMBERS WITHIN FOOTWAYS, DRIVEWAYS AND PARKING CONTRAINTS TO BE PROVIDED WITH 150mm DEEP C20 CONCRETE COLLAR.
WHERE CHAMBERS ARE WITHIN 1.2m OF ANY BUILDING AND THE INVERT LEVEL OF THE CHAMBER IS MORE THAN 600mm DEEP INCORE BUILDING FOUNDATION IS LOCALLY DEEPENED SO THAT BOTTOM OF FOUNDATION IS 150mm BELOW CHAMBER INVERT LEVEL.
DOMESTIC DRAINAGE TO BE UPVC OR CLAY.
100mm Ø DOMESTIC DRAINAGE (see S104) TO BE LAID NO FLATTER THAN 1:60 GRADIENT.
150mm Ø DOMESTIC DRAINAGE (see S104) TO BE LAID NO FLATTER THAN 1:150 GRADIENT.

DEVELOPMENT SITE BOUNDARY.

DO NOT SCALE. USE FIGURED DIMENSIONS ONLY. CHECK ON SITE AND ALL DISCREPANCIES TO BE REPORTED TO HALL infrastructure DESIGN Ltd.

AMENDMENTS:

REF.	DESCRIPTION.	DATE.	BY.

CLIENT:
Cyden Homes Ltd

PROJECT:
Tytton Lane East
Wyberton
Boston

TITLE:
Section 104 Plan
Phase 2

SCALE:	DATE:	SIZE:
1:500	August 2023	A1

DRAWING No:	DRAWN BY:	CHECKED BY:
2001/14		

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