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NOTES:

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Development Boundary (land owned by Boston Holiday Park Ltd) - 56.80 Hectares

Development of 300 holiday caravans granted FULL planning permission ref B/19/0520 "The land to be served by the Section 30 Sewer Requisition."

Existing tarmac vehicular access road providing continued vehicular access from the public highway (Langrick Road) to the existing golf course clubhouse.

Proposed tarmac vehicular access road providing continued vehicular access from the existing golf course clubhouse road to the proposed foul water pumping station.

Proposed adoptable Foul Water Pumping Station (section 104 agreement) provided with 75m³ additional storage as per AWS pre-planning report ref PPE-0077561.

Proposed Sewer to be included in the Requisition

POC Point of connection to the existing AWS sewer network.

Notes:

1. 6.0m sewer easement in favour of Anglian Water Services Ltd to be provided on the foul pumping main / gravity sewer from the new pumping station to the point of connection to existing foul sewer.
2. This drawing to be read in conjunction with detailed infrastructure layout drawings and long sections which detail the location of manholes, washout valve, drift pits, pumping main profile etc.
3. Structural calculations for wet well and valve chamber plus floatation to be provided by others.
4. M&E details for adoptable pumping station to be provided by Pump Contractor, when appointed.
5. Type and detailed specification of pump station compound fencing and security gates to be provided by Pump Contractor and Client.

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) V1.0 (OCTOBER 2019) AND DESIGN AND CONSTRUCTION GUIDANCE (DCG) V2.0 (MARCH 2020).

FOUL BRANCH CONNECTIONS TO BE 100mm dia. LAID NO FLATTER THAN 1:66 WHERE SERVING 9 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 PVC-U TO BS EN 1401-1:1996 & BS 6660:2000.

ALL PIPEWORK TO BE LAID SOFFIT TO SOFFIT UNLESS OTHERWISE STATED.
ALL PIPES 100mmØ & 150mmØ TO BE PROVIDED WITH CLASS S BEDDING (14mm - 5mm GRAVEL BED AND SURROUND).
ALL PIPES 100mmØ & 150mmØ WITH COVER LESS THAN 1.2m TO BE PROVIDED WITH CONCRETE PROTECTION.

PRECAST CONCRETE PRODUCTS AND IN-SITU CONCRETE TO CONTAIN A MINIMUM CLASS 3 S.R.C.
STRUCTURAL CONCRETE TO BE IN ACCORDANCE WITH BS 5328 AND NOT TO BE LESS THAN GRADE 35(C) WHEN REINFORCED AND 42(N) IN ALL OTHER SITUATIONS.
CAST CONCRETE SHALL BE FINISHED TO PRODUCE A "RAW" SURFACE WHERE EXPOSED AND SHALL HAVE A "BOOZIE" FINISH IN ALL OTHER SITUATIONS.
STEELWORK SHALL BE IN ACCORDANCE WITH BS4483.

ALL MANHOLE COVERS TO BE 600x600 CLEAR OPENING IN ACCORDANCE WITH B.S. EN124 CLASS D400 AND EMBOSSED FW.

Drainage Notes

Plot 1 — DENOTES CARAVAN PLOT NUMBER
(E: 3.000) — DENOTES SUGGESTED CARAVAN FINISHED FLOOR LEVEL, NORMALLY 450mm ABOVE EXISTING GROUND LEVEL, min 3.000m OOD
(2.65) — DENOTES EXISTING GROUND LEVEL

- 150mm Ø (min 1:150) (16+ PLOTS) FOUL WATER SEWER (S104).
- 125mm OD HDPE SDR11 FOUL WATER PUMPING MAIN (S104).
- 100mm Ø (min 1:80) 150mm Ø (min 1:150) FOUL WATER DRAIN (PRIVATE).
- 100mm Ø, 150mm Ø, 300mm Ø SURFACE WATER LINE DRAIN (PRIVATE).
- ss o/g — STP ADAPTOR
- wb — WASH BASIN / BATH / SHOWER ADAPTOR
- MF — POLYPROPYLENE ACCESS CHAMBER TYPE 2 (PRIVATE) - FOUL
- POLYPROPYLENE MINI ACCESS CHAMBER TYPE 4 (PRIVATE) - FOUL
- POLYPROPYLENE ACCESS CHAMBER TYPE 5 (PRIVATE) - SURFACE WATER
- 1200mm Ø PRECAST CONCRETE MANHOLE (PRIVATE) - FOUL
- 1200mm Ø PRECAST CONCRETE MANHOLE (PRIVATE) - SURFACE WATER
- JKB DRAINAGE UNITS - LARGE GENERAL PURPOSE PRE-FORMED HEADWALL UNIT (OR SIMILAR)

POLYPROPYLENE ACCESS CHAMBERS (TYPE 2) TO BE USED UP TO 2.0m DEEP.
POLYPROPYLENE ACCESS CHAMBERS (TYPE 4) TO BE USED UP TO 2.0m DEEP SERVING MAX 5 PLOTS.
ALL CHAMBERS WITHIN GARDEN AREAS, FOOTPATHS AND DRIVEWAYS TO BE FITTED WITH BS EN 124 GRADE B125 COVERS.
ALL CHAMBERS WITHIN VEHICULAR OVERRUN AREAS TO BE FITTED WITH BS EN 124 GRADE D 400 COVERS AND 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 ENGINE BUILDING FOUNDATION IS LOCALLY DEEPENED TO THAT BOTTOM OF FOUNDATION IS 150mm BELOW CHAMBER INVERT LEVEL.
DOMESTIC DRAINAGE TO BE PVC-U TO BS EN 1401-1:1996 & BS 6660:2000.
100mm Ø DOMESTIC DRAINAGE (not S104) TO BE LAID NO FLATTER THAN 1:66 (draft 1:100 surface) GRADIENT UNLESS OTHERWISE STATED.
150mm Ø DOMESTIC DRAINAGE (not S104) TO BE LAID NO FLATTER THAN 1:150 GRADIENT UNLESS OTHERWISE STATED.

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.
A	Adoptable FWPS moved to client requirements.	18.03.21	CWH

CLIENT: Boston West Holiday Park Ltd

PROJECT: Boston West Golf Centre

TITLE: Proposed AWS Ltd section 30 Sewer Requisition Drawing

SCALE:	DATE:	SIZE:
1:2000	November 2020	A1

DRAWING No:	DRAWN BY:	CHECKED BY:
2011/22-A		

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Phase 2 - 116 plots

Phase 3 - 131 plots

Phase 1 - 53 plots

Private Foul Water Pumping Station for phases 2 and 3, connected into infrastructure for phase 1.

NB. this pumping station serves 186 plots from phases 2 and 3 as 61 plots are served by phase 1 infrastructure.

NB. this pumping station serves 53 plots from phase 1 and 61 plots from phase 2 plus 186 plots pumped from phase 2/3 private foul water pumping station. 300 plots in total.

Private Foul Water Pumping Station for phases 1, 2 and 3, connected into infrastructure for golf club house, prior to connection to Adoptable Foul Water Pumping Station.

Adoptable Foul Water Pumping Station for phases 1, 2 and 3, clubhouse, clubhouse extension, hotel, hotel extension to be constructed in accordance with Design Construction Guidance March 2020 and AWS Local Practice for Pumping Stations June 2020.
To be adopted under section 104 agreement.

POC

Golf Course

LANGRICK ROAD

South Forty Foot Drain

Boston West Golf Centre

Hubbert's Bridge Farm

Hubbert's Bridge Supplies

Oldtree Nurseries

Rabbit Breeding Farm

DRY POND

DRY POND (HEDGE RESTED) Base Area = 4096.6m²

Soakaway TP3 ground level 2.100m OOD groundwater 0.250m OOD (info from HBL report ref 13331/5290v4, dated 24/11/20)

Foul Water Connection

Hubbert's Bridge

Langrick Bridge (SLUICE)

Langrick Bridge Community Centre

Station Cottages

Gas Governor Cabinet

Gate Post

Weir Turbine

Gull Driving Range

Pond

Tank

Reservoir

Bridge

Drain

Foul (sun)

Foul

Surface Water

Manhole

Inspection Chamber

Gully

Tree

Hedge

Fence

Building

Road

Track

Footpath

Public Footpath

Bridleway

Byway Open to All Traffic

Restricted Byway

Boundary

Parish Boundary

Ditch

Water Course

Sluice

Pumping Station

Telephone Kiosk

Electricity Pylon

Electricity Transformer

Overhead Cables

Underground Cables

Gas Pipeline

Gas Governor

Gas Valve

Gas Valve Cabinet

Sub Station

Public Right of Way

Public Footpath

Public Bridleway

Public Byway Open to All Traffic

Restricted Byway

Boundary

Parish Boundary

Ditch

Water Course

Sluice

Pumping Station

Telephone Kiosk

Electricity Pylon

Electricity Transformer

Overhead Cables

Underground Cables

Gas Pipeline

Gas Governor

Gas Valve

Gas Valve Cabinet

Sub Station