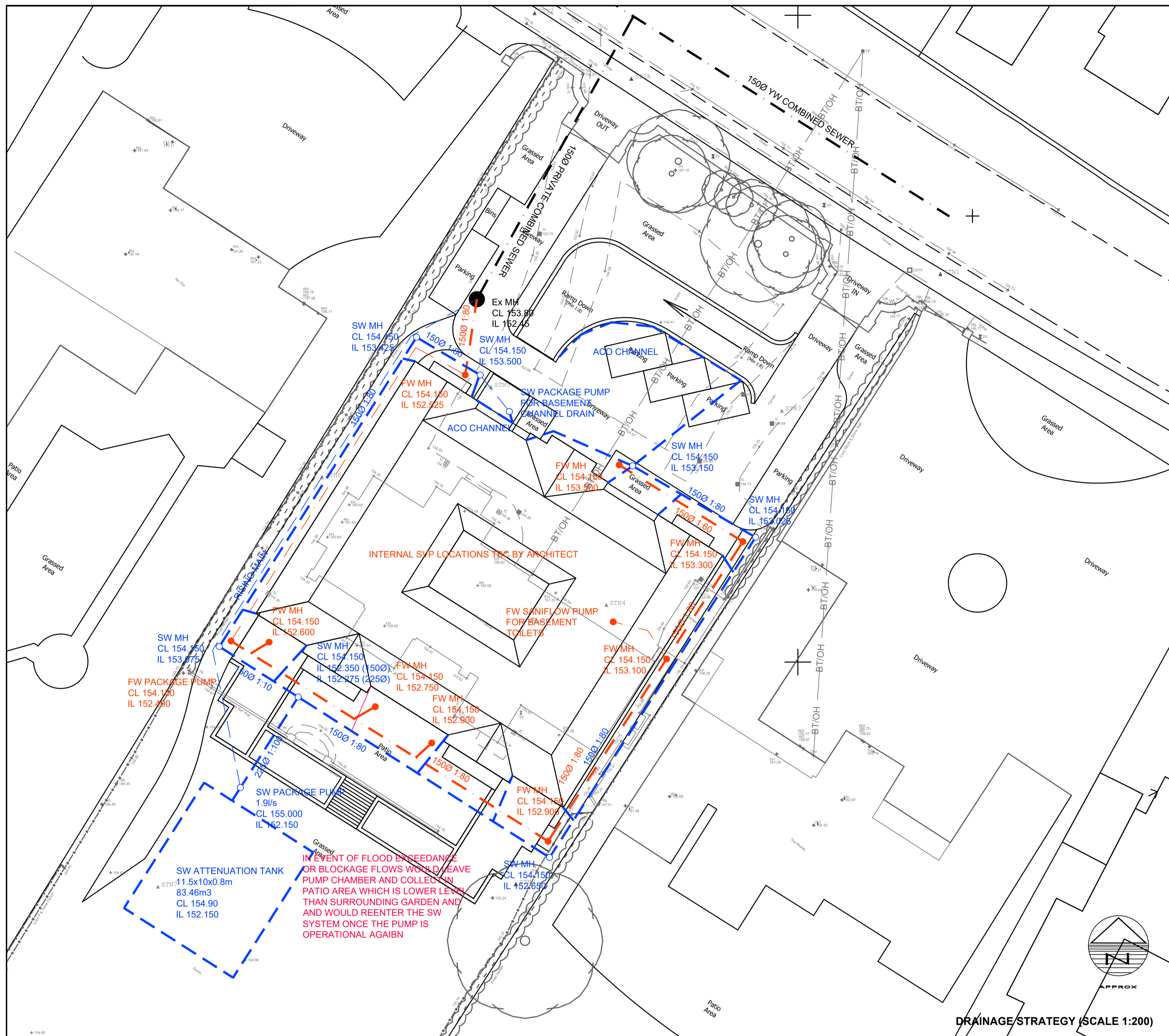


Status			
No.	Revision	Date	Drwn

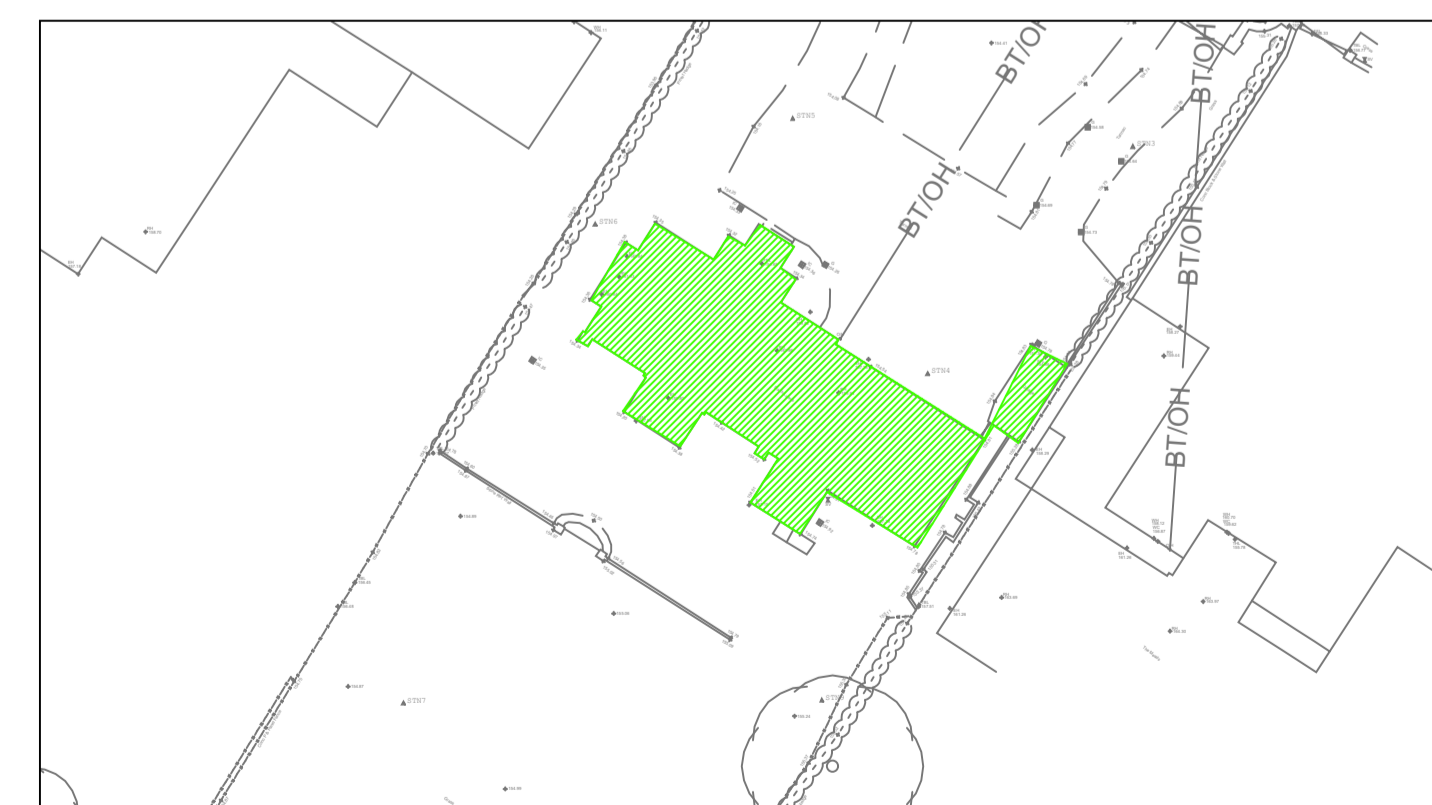


DRAINAGE STRATEGY (SCALE 1:200)



PROPOSED IMPERMEABLE AREA (SCALE 1:500)

1,300m² INCLUDING 10% URBAN CREEP



EXISTING IMPERMEABLE AREA (SCALE 1:500)

285m²

Drainage Strategy

The site is located within flood zone 1 with a low risk of flooding from rivers or the sea.

The existing site is brownfield and has an impermeable area of 285m². The 1in1 year flow is 3.9l/s so a 50% betterment of flow will give a SW restriction of 1.9l/s.

NPPF guidelines require that surface water arising from a developed site should as far as practicable be managed in a sustainable manner to mimic the surface water flows arising from the site prior to development.

No watercourses are present close to site.

Combined sewer is located to the north west

Surface Water:

As soakaways are not viable and no watercourses close to site it is proposed to discharge SW to the existing combined sewer to the NW of site.

The proposed impermeable area is 1,300m² including 10% urban creep.

SW will be restricted using package pump, the attenuation required for the peak return period of 1 in 100 year plus 40% climate change is **83.46m³**.

This will be achieved by geo-cellular tank **11.5 x 10 x 0.8m depth**

Foul Water:

The foul water is proposed to connect unrestricted to combined sewer to the NW.

...\\A.A.A.\DART Logo\robbiet1988-01.jpg

CONTACT e: andy@dart-engineers.com
e: robt@dart-engineers.com
m: 0775281902
w: www.dart-engineers.com

CLIENT
KD BROS

PROJECT
WIGTON LANE

DRAWING TITLE
PROPOSED DRAINAGE STRATEGY

Drawn	AD	Chkd	RT	Date	Sept 2023	Scale	AS SHOWN
Sheet Size	A1	Drawing No.	23341- DR-C-0100	Revision			P1