



It's everyone's water

J682.69

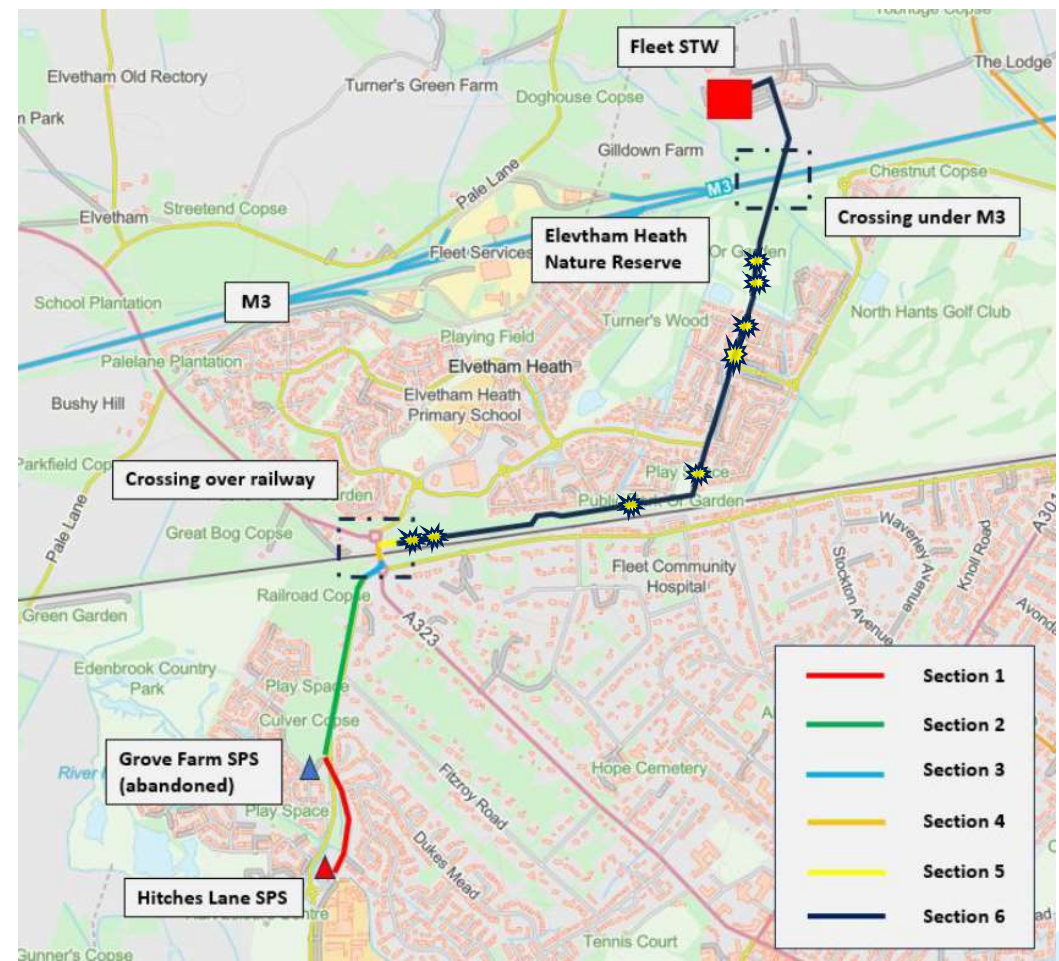
Hitches Lane Rising Main, Fleet. Hampshire

Leaks on Rising Main

Hitches Lane Rising Main – Overview

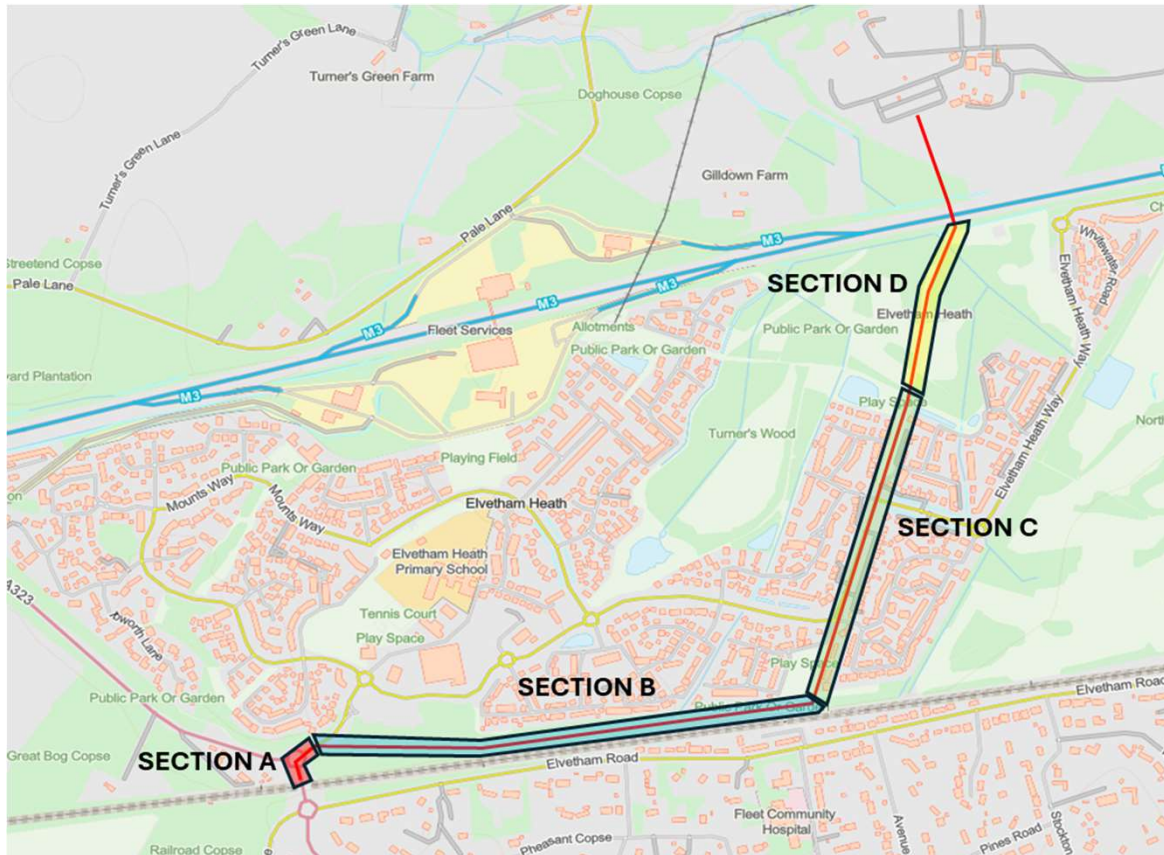
Overview

- Hitches Lane PS – Rising Main connects the Pumping Station to Fleet Sewage Treatment Works
- Pumps discharge around 215 litres/second (in Dry Weather – 300 litres/second in Wet Weather. This is between 774 and 1080 tonnes per hour.
- Upgrade of PS and approximately 512m of rising main in 2012 when Grove Farm Pumping Station was replaced by Hitches Lane Pumping Station
- Wet well (storage tank) at Hitches Lane Pumping Station holds approx. 5200m³ (5.2 million litres) which can give us the ability to shut down for around 8 hours if the tank is empty.
- In dry weather a burst can require around 30 tankers and specialist pumps to control the flow.
- Tanker control in wet weather is 48 tankers with specialist pumps.
- Section 6, where the leaks are located, was installed in 1988 just before Water Privatisation (1989).



What are we Proposing to do.

Site Broken into 4 sections



Section A (5A)	– 125m
Section B (6B)	- 800m
Section C (6C)	– 600m
Section D (6D)	– 310m
Total Length	= 1835m

What happened last week

Three leaks had to be repaired as an Emergency. Two located in a complex location on Network Rail owned land and one near the railway footbridge ramp. Between 40 and 50 tankers were required to control the flow.



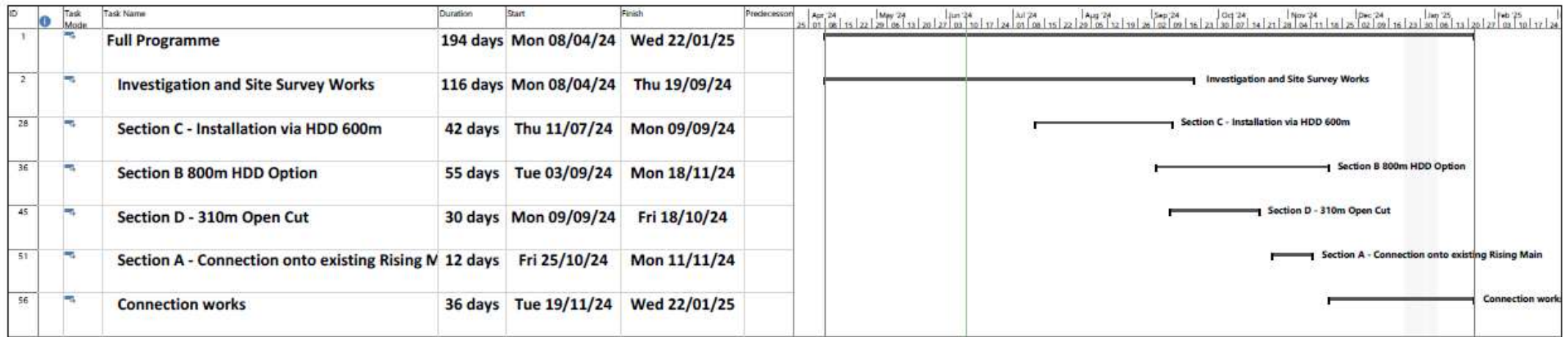
What else have Thames been doing

Survey works and works to make access easier



Current Programme

This is not final and maybe subject to change following ongoing investigations



The hope is to be able to get the sections that impact residents and road users the mostly completed during the various school holidays

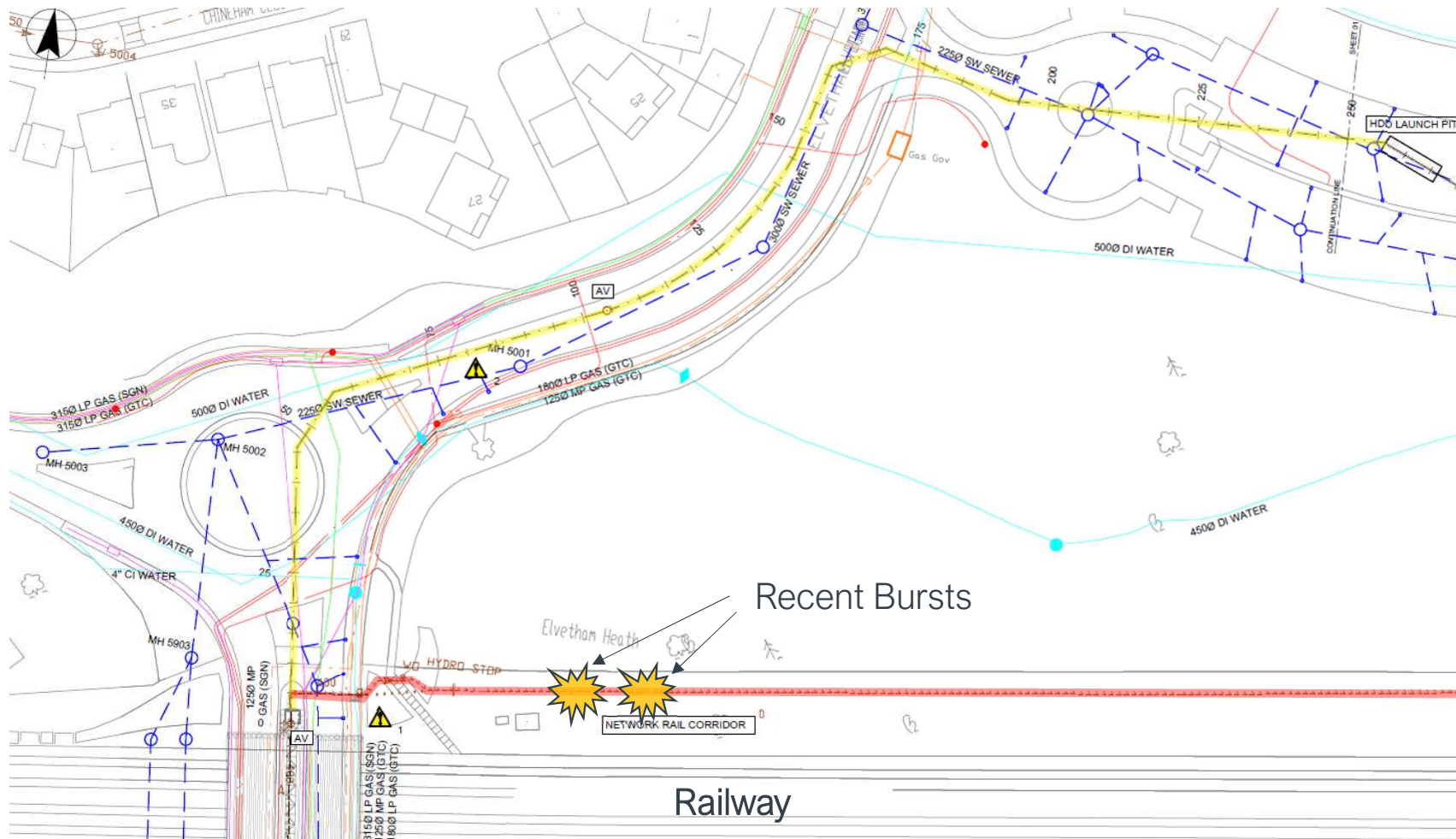
Section C – Summer Holidays

Section A – October Half Term

Final Connection Works – Christmas Holiday

Section A – Current favoured design

Fleet Road Railway Bridge to Park and Ride Car Park



Old Rising Main
New Rising Main

Current Proposed Dates

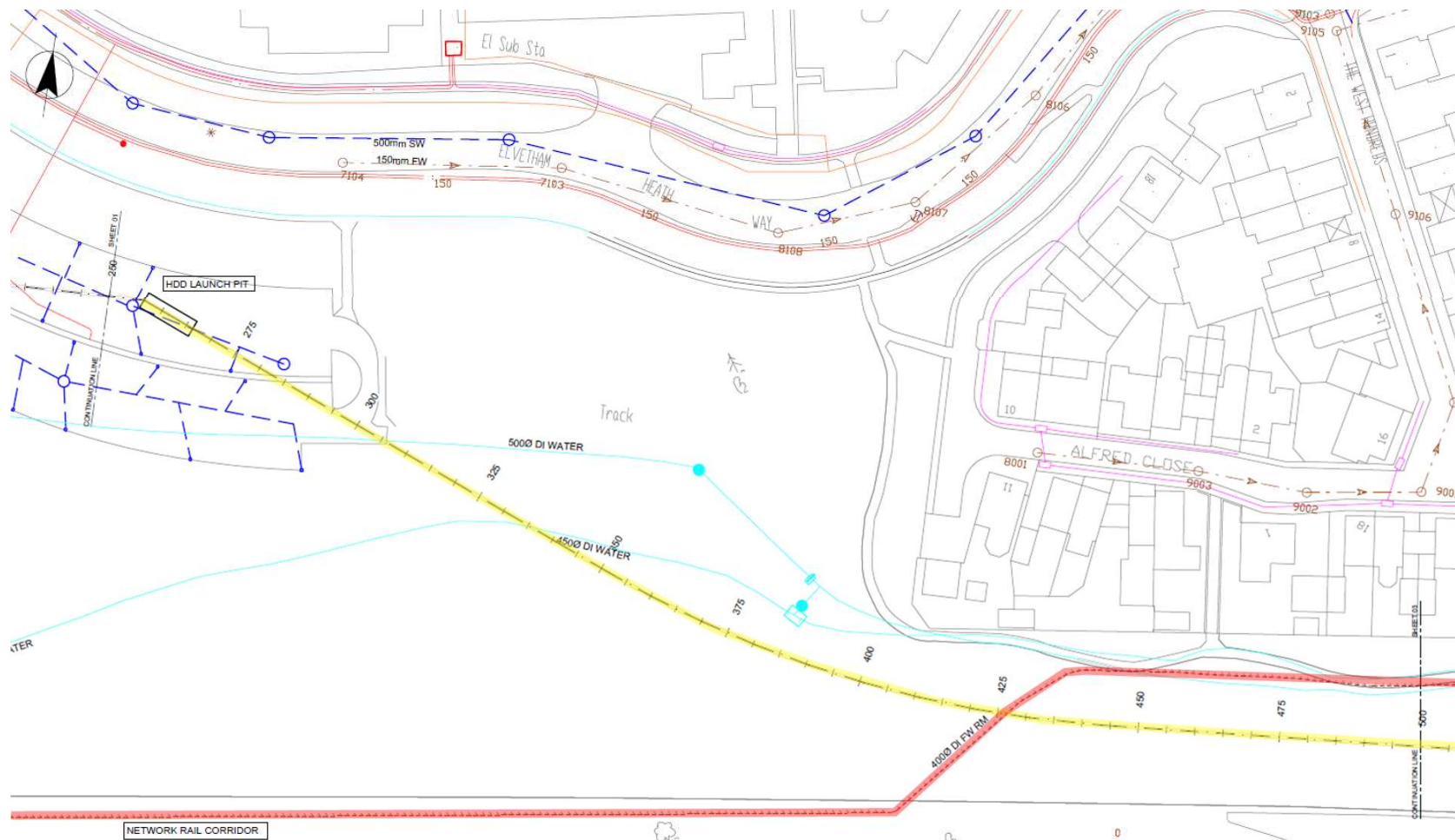
25/10/24 to 11/11/24 this
may change.

Method of Construction

Open cut excavation

Section B (part 1) – Current favoured design

Fleet Road Park and Ride Car Park to Woodland



Old Rising Main
New Rising Main

Current Proposed Dates

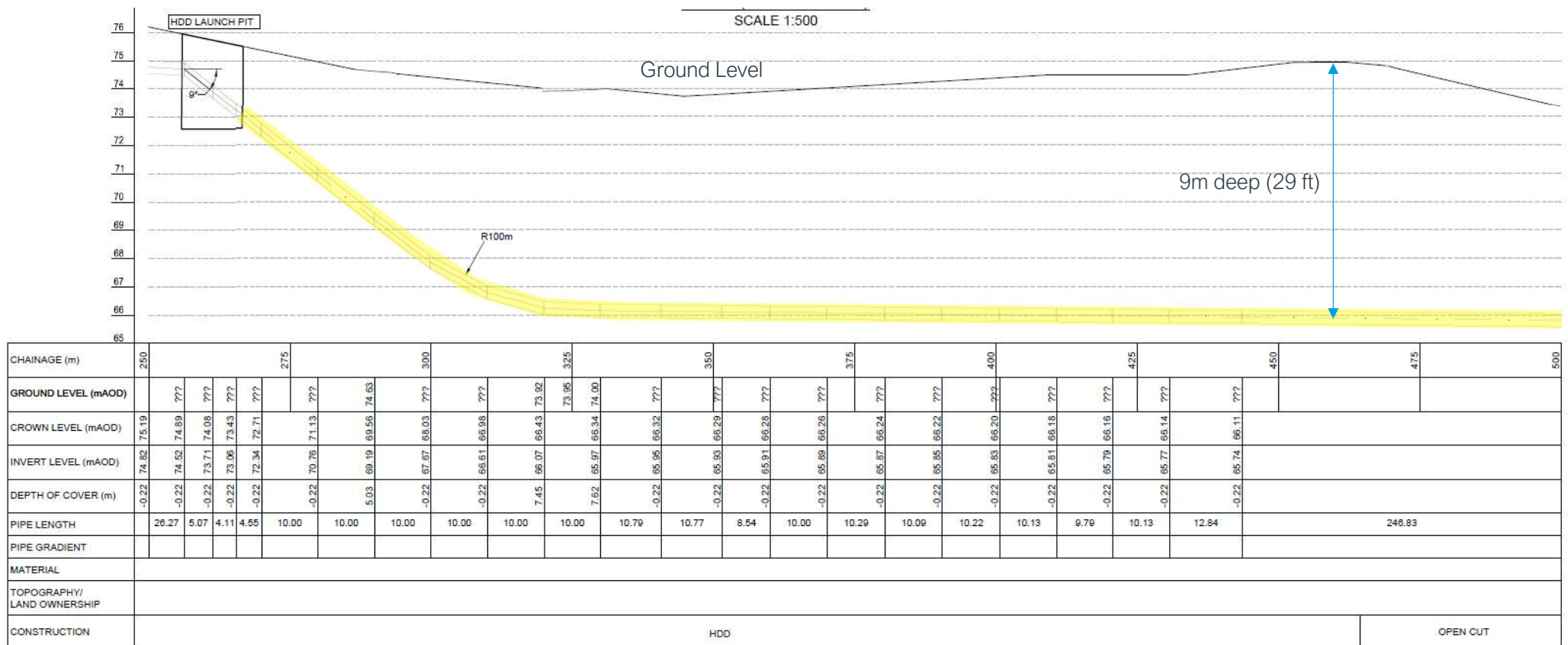
03/09/24 to 18/11/24 this
may change.

Method of Construction

Horizontal Directional
Drilling (HDD)

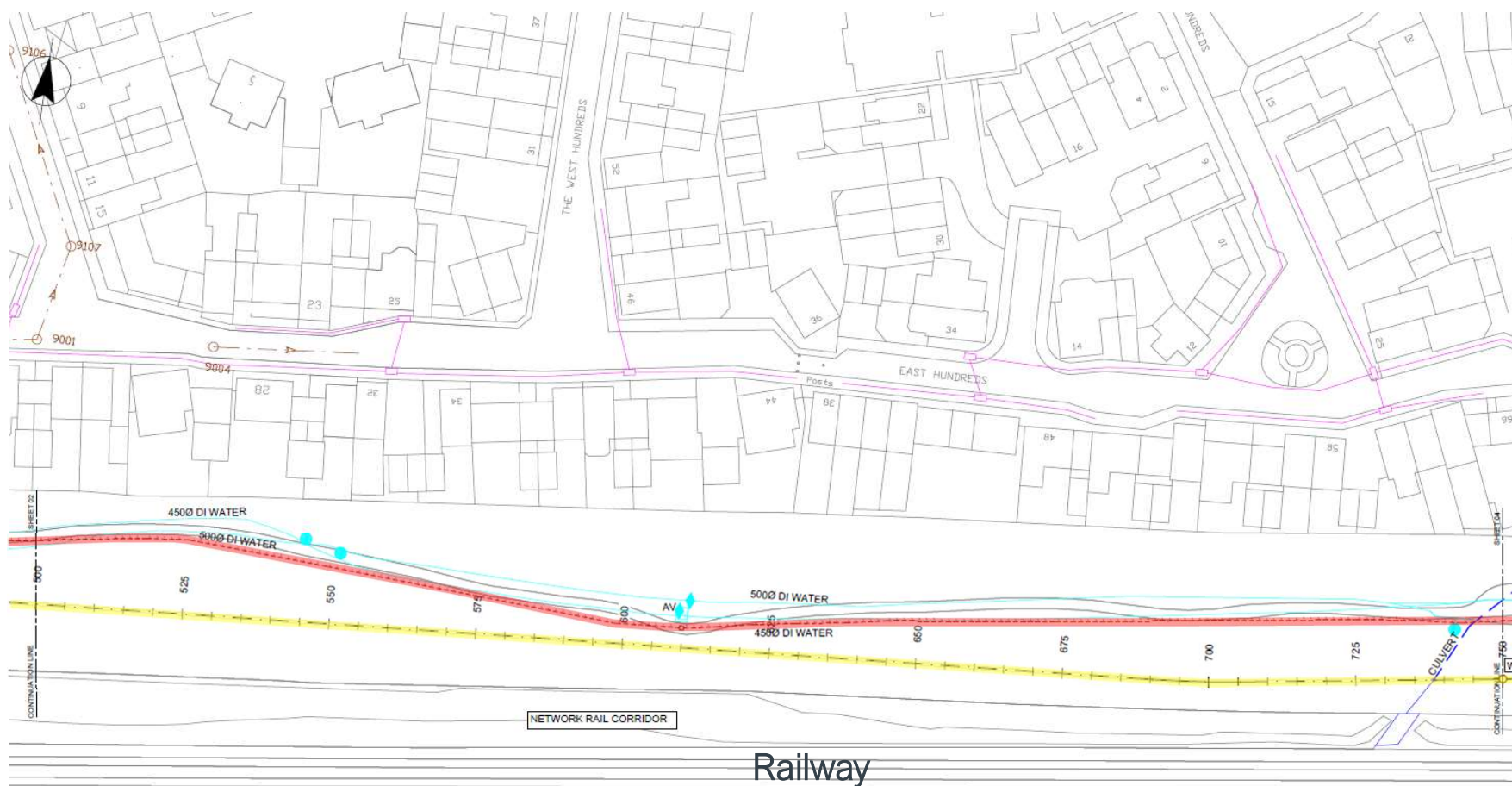
Section B (part 1) – Current favoured design

Fleet Road Park and Ride Car Park to Woodland



Section B (part 2) – Current favoured design

Woodland Parallel to Railway



Old Rising Main
New Rising Main

Current Proposed Dates

03/09/24 to 18/11/24 this
may change.

Method of Construction

Horizontal Directional
Drilling (HDD)

Woodland Parallel to Railway as far as the Railway Bridge

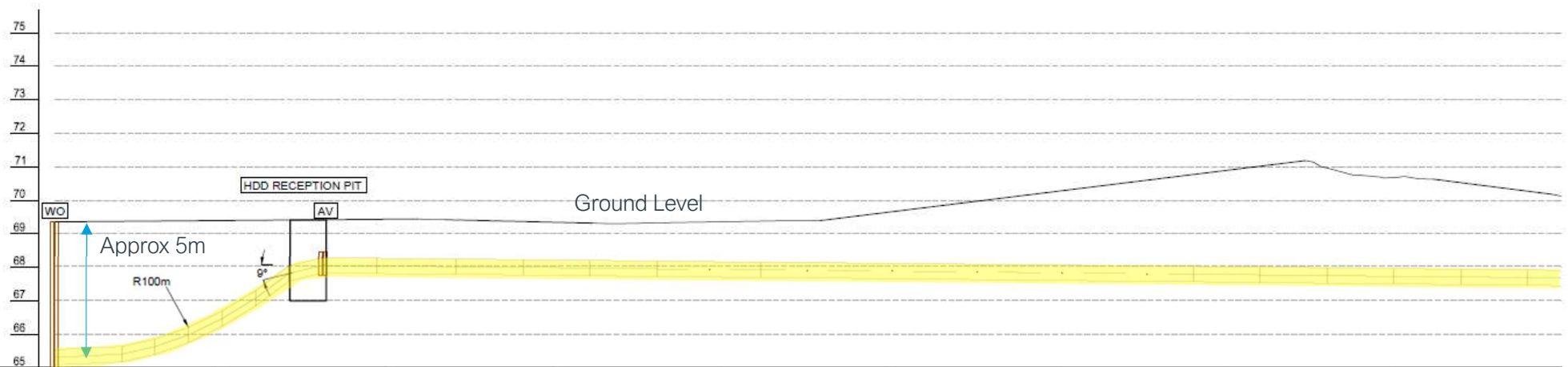


03/09/24 to 18/11/24 this
may change.

Horizontal Directional Drilling (HDD) and Open Cut Excavation

Section B (part 3) – Current favoured design

Woodland Parallel to Railway as far as the Railway Bridge



CHAINAGE (m)	750	775					800			825			850			875			900			925			950			975		
GROUND LEVEL (mAOD)	???	???	???	???	???	???	???	???	???	???	???	69.32	69.32	69.32	69.36	69.38				???		???		70.96	70.68	???	???	70.12		
CROWN LEVEL (mAOD)	65.50	65.59	65.59	65.81	66.16	66.53	67.23	67.96	68.20	68.19	68.16	68.12	68.09	68.07					67.94	67.92	67.90	67.88			67.86	67.84				
INVERT LEVEL (mAOD)	65.22	65.22	65.44	65.79	66.27	66.57	67.59	67.84	68.02	68.00	67.78	67.76	67.73	67.71					67.58	67.56	67.54	67.52			67.50	67.48				
DEPTH OF COVER (m)	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	1.15	1.19	1.26					-0.22	-0.22	3.02	2.75			-0.22	-0.22				
PIPE LENGTH	44.80	10.00	5.00	5.00	5.00	5.00	5.00	8.21	11.79	10.00	10.00	10.00	15.49	64.51					10.00	10.00	10.00	10.00	10.00	10.00	10.00					
PIPE GRADIENT	1:500	-1:107	-1:23	-1:14	-1:11	-1:8	-1:7	-1:21	1:500	1:500	1:500	1:500	1:737	1:500					1:500	1:500	1:500	1:500	1:500	1:500	1:500					
MATERIAL																														
TOPOGRAPHY/ LAND OWNERSHIP																														
CONSTRUCTION	OPEN CUT																													

Network Rail Footbridge to Elvetham Heath Way

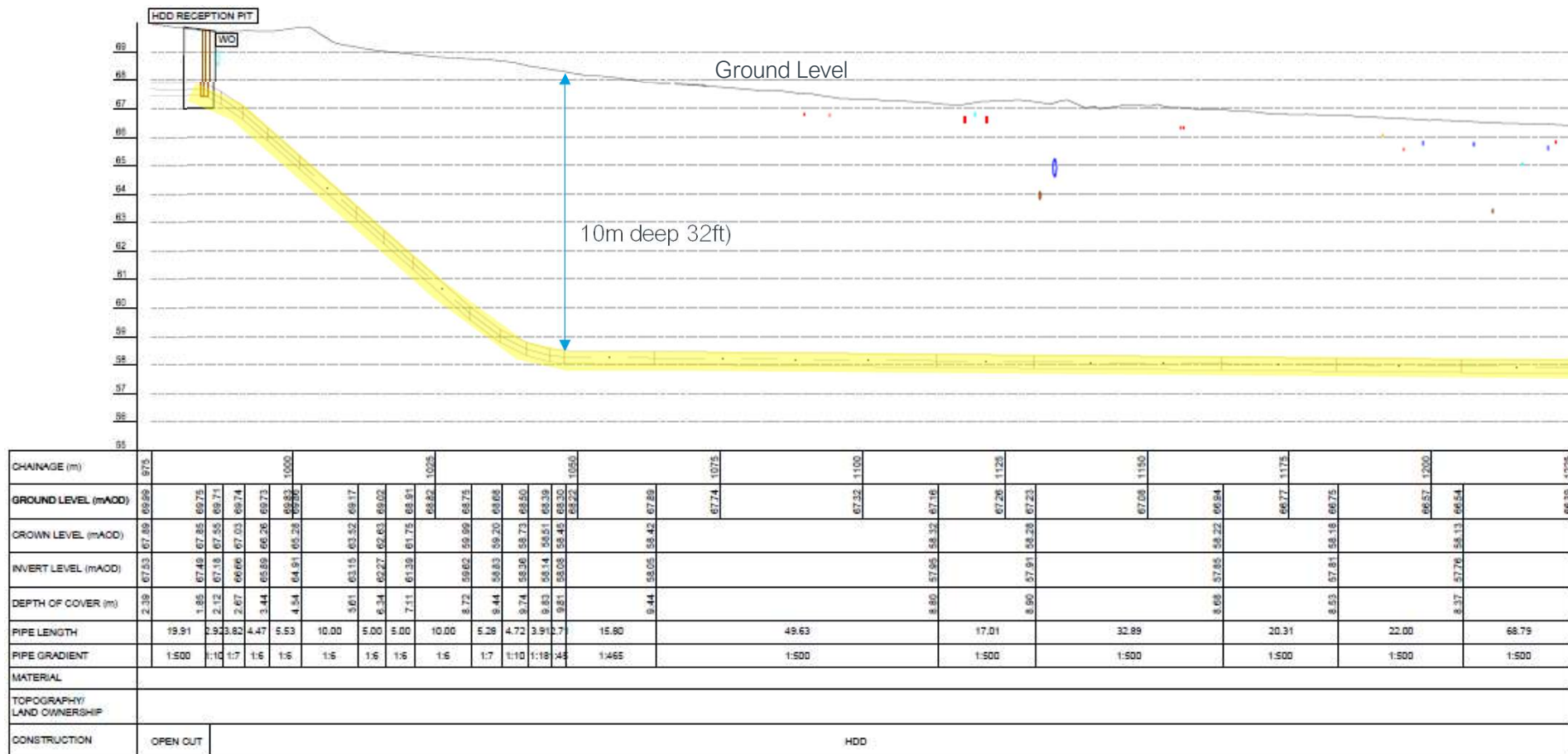


11/07/24 to 09/09/24 this
may change.

Horizontal Directional Drilling (HDD)

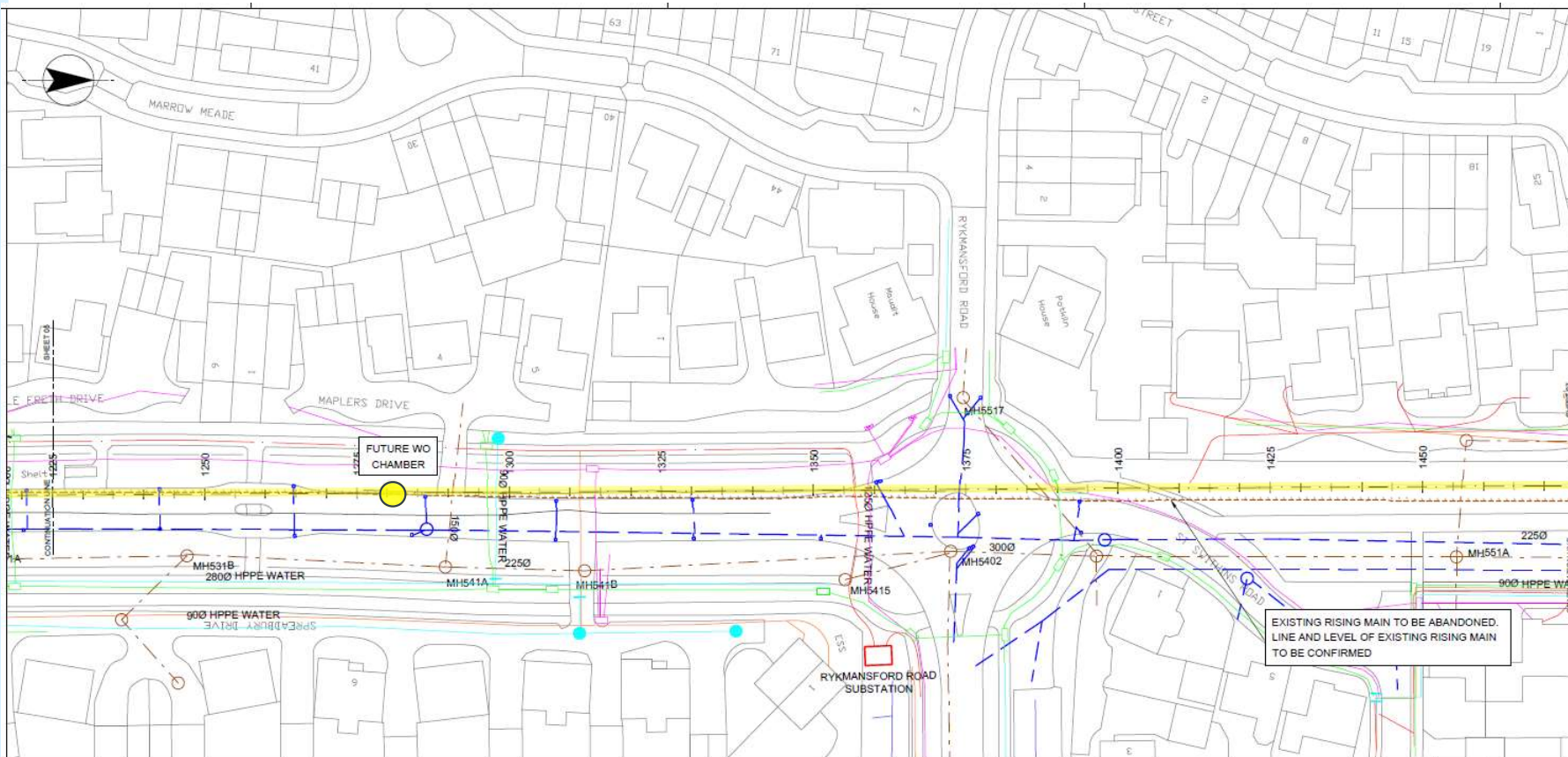
Section C – (Part 1) Current favoured design

Network Rail Footbridge to Elvetham Heath Way



Section C – (Part 2) Current favoured design

Elvetham Heath Way



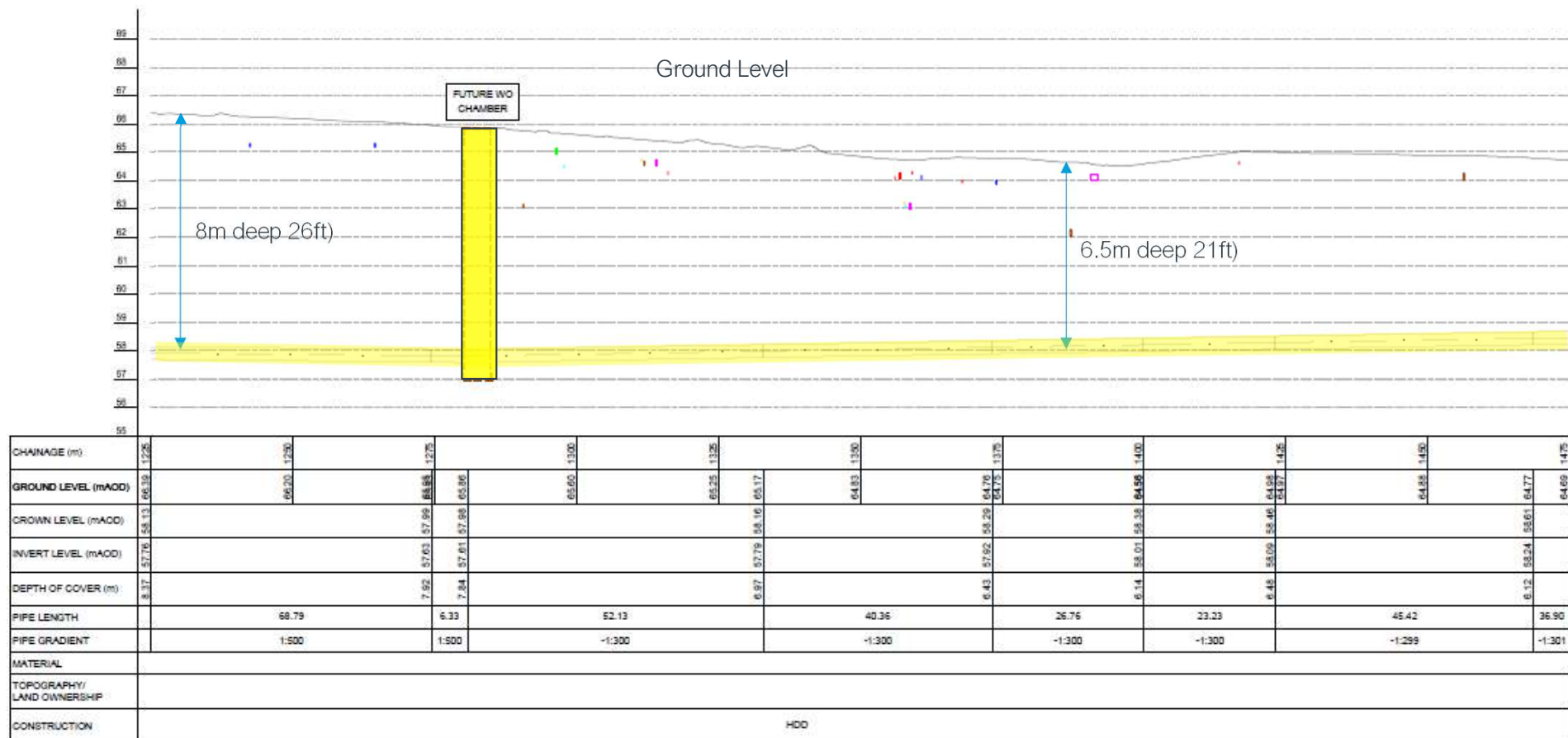
Old Rising Main
New Rising Main

Current Proposed Dates
11/07/24 to 09/09/24 this
may change.

Method of Construction
Horizontal Directional
Drilling (HDD)

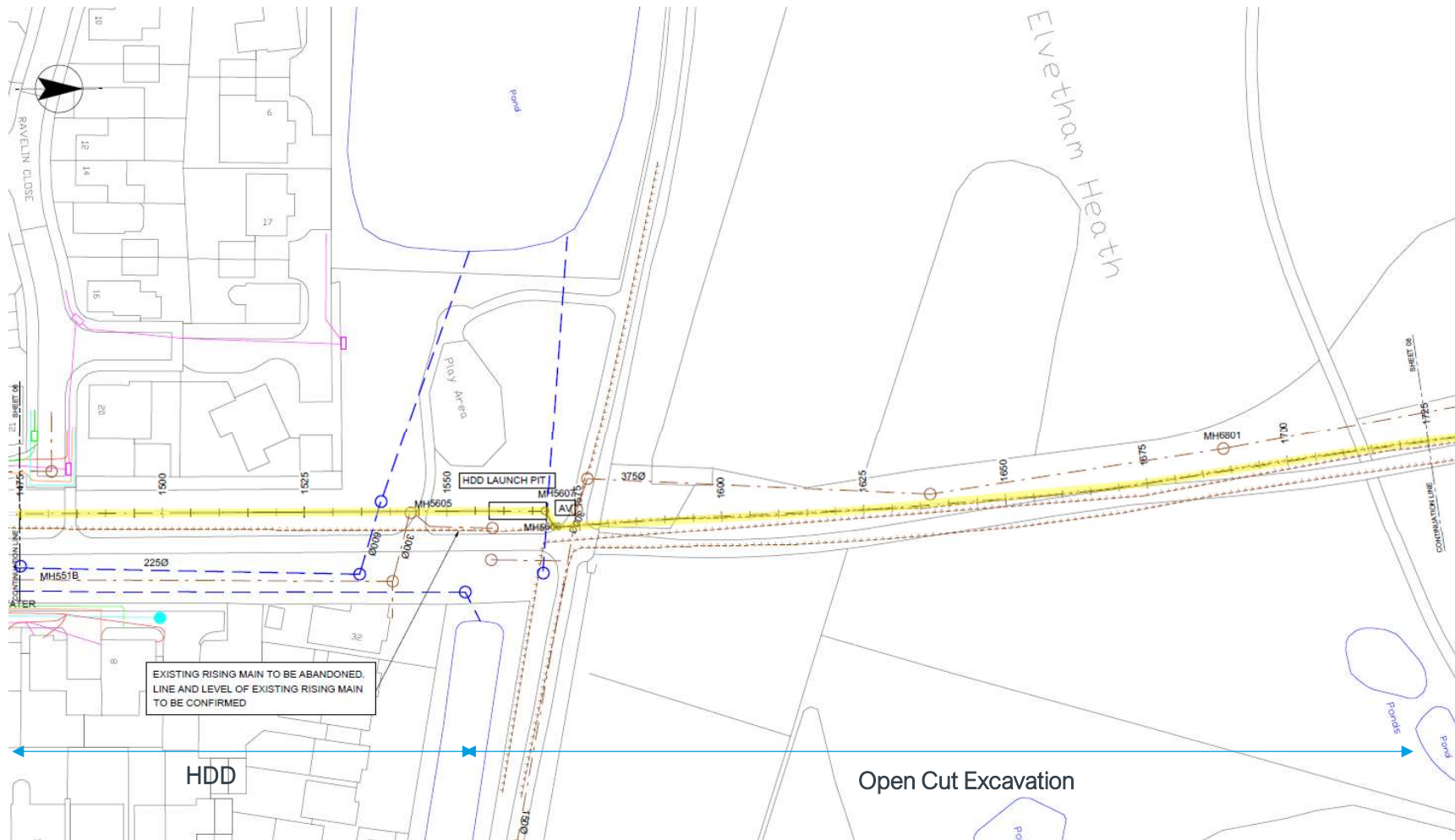
Section C – (Part 2) Current favoured design

Elvetham Heath Way



Section C/D – Current favoured design

Elvetham Heath Way to Nature Park



- Old Rising Main
- New Rising Main

Current Proposed Dates

Section C -11/07/24 to 09/09/24 this may change.

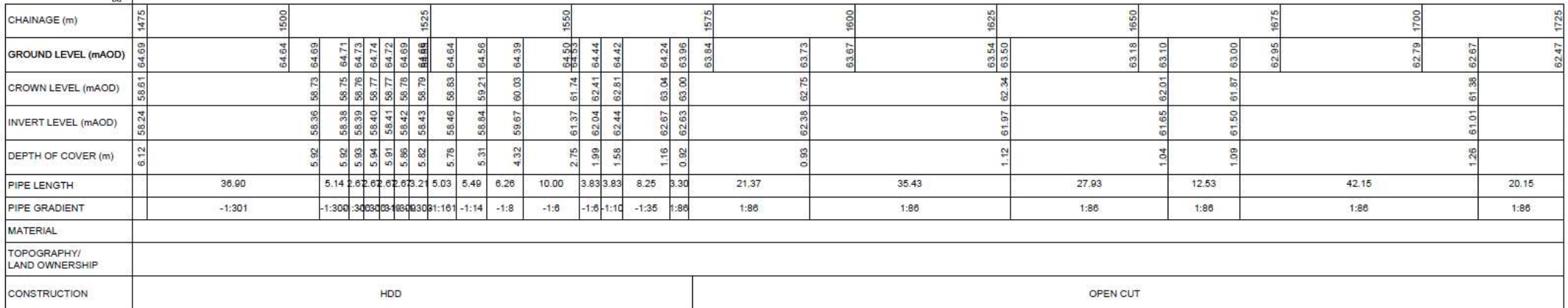
Section D -09/09/24 to 18/10/24 this may change

Method of Construction

Horizontal Directional Drilling (HDD) – Section C

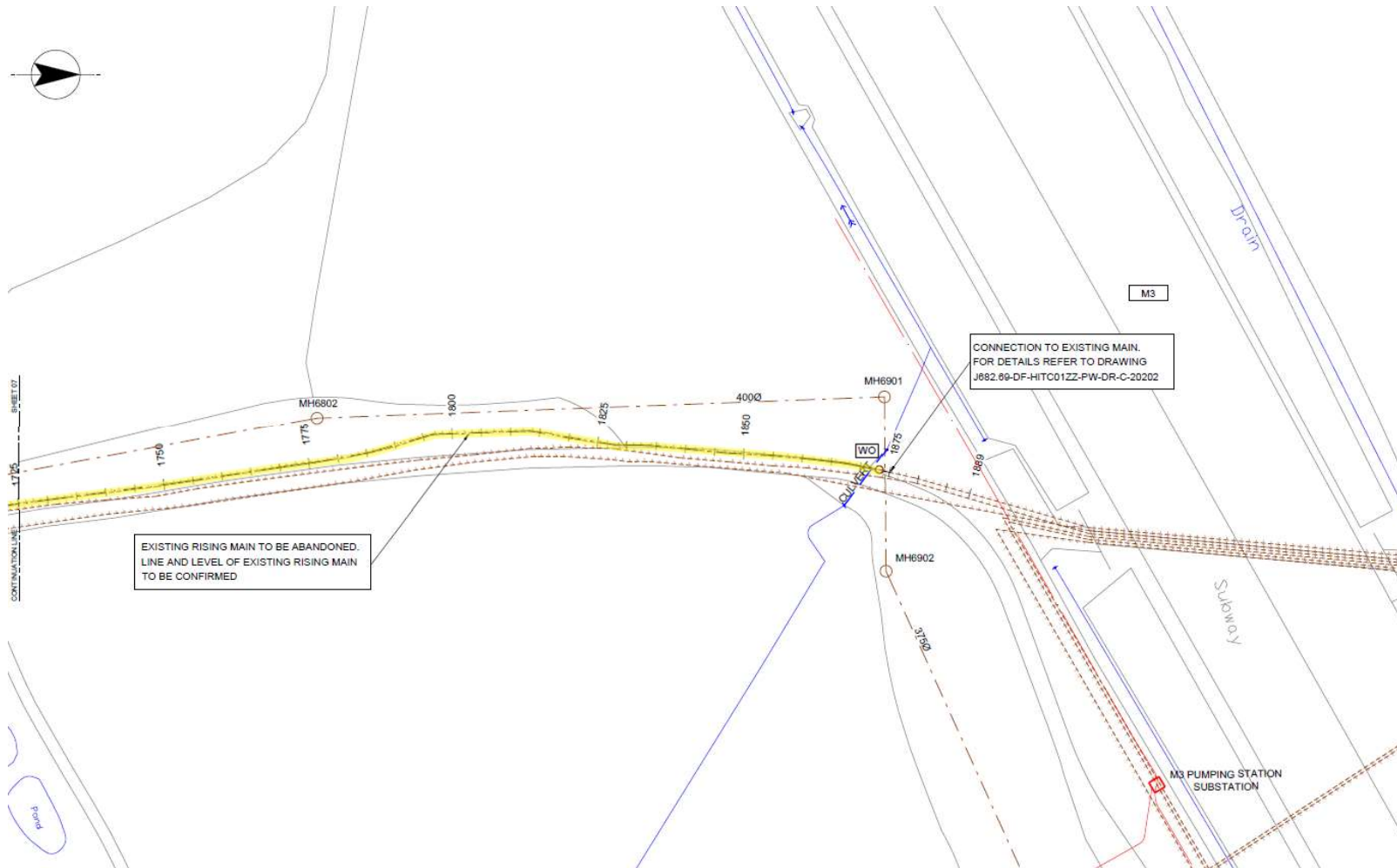
Open Cut Excavation
Section D

Elvetham Heath Way to Nature Park



Section D – Current favoured design

Nature Park



Old Rising Main
New Rising Main

Current Proposed Dates

Section D -09/09/24 to
18/10/24 this may change.

Method of Construction

Horizontal Directional
Drilling (HDD) – Section C

Open Cut Excavation
Section D



It's everyone's water

Thank You