

SCHEME UPDATE

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WHAT WE WILL COVER OFF THIS EVENING

- Overview of the wider scheme
- Proposal for the Severn Trent SuDS element of the works at Roundhill Green
- Timescales
- Design drawings
- Key design features
- AOB



SCHEME OVERVIEW



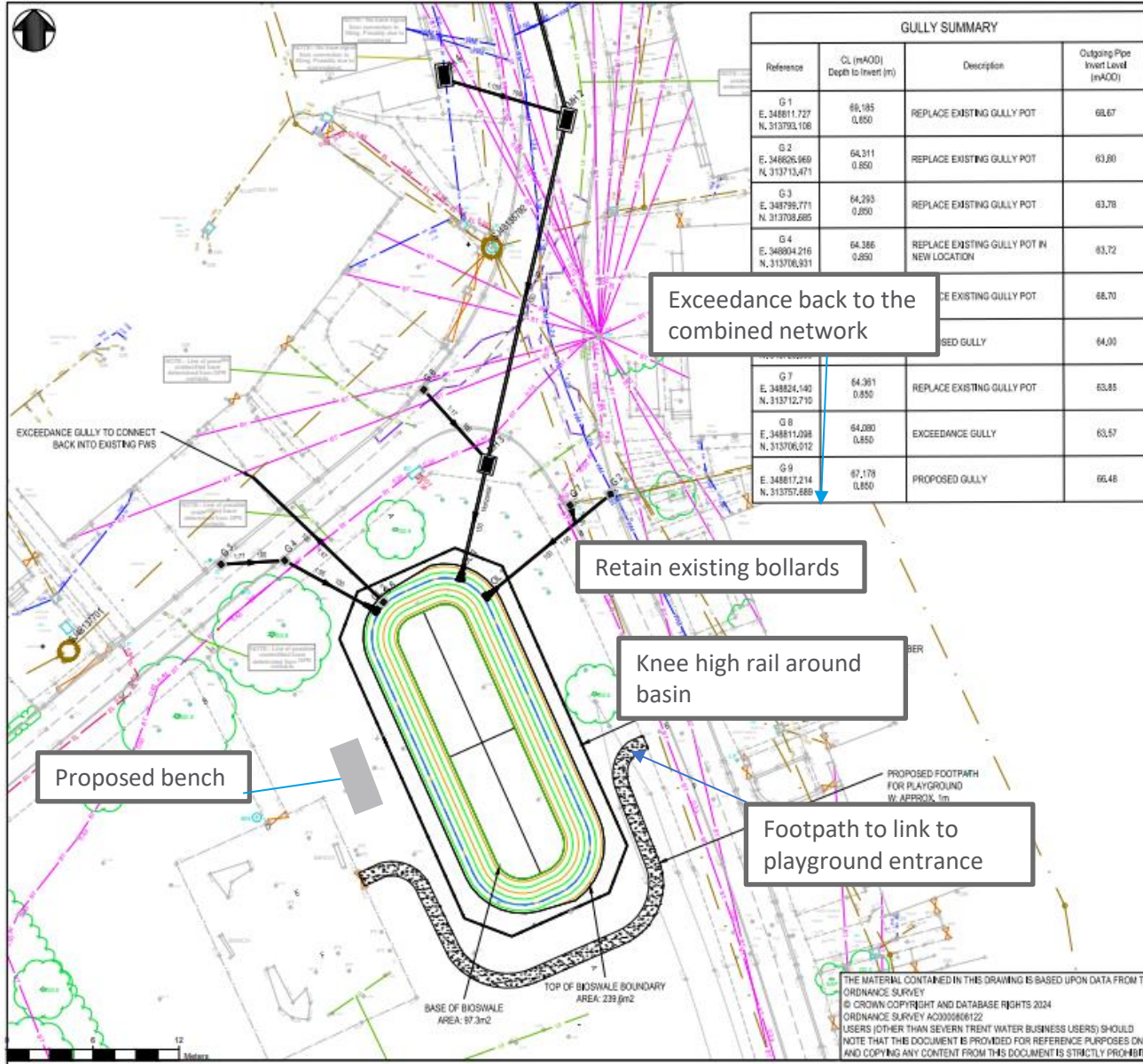
- SUDS element within public open space – Roundhill Park (PURPLE)
- Conventional pipe separation – Berwick Avenue/Road and Gravel Hill Lane – (GREEN)
- Upsizing existing sewer – Pig Trough footpath (ORANGE)
- Works plan to commence summer/autumn 2025 – completing 2026

BIOSWALES (SUDS)

- Proposals for the 2nr Bioswales at SuDS features at **Round Hill Playfield, SY1 2LZ**
- We will redirect rainwater from the highway gullies on Round Hill Green that currently discharge directly into the combined sewer network into a **bioswale** (a shallow vegetated grass channel) where it will be stored and infiltrated back into the ground.
- Currently aiming for a September 8th start with an estimated 8-week construction duration.
- A road closure will be required on Roundhill Green whilst we install the pipework to take the highway flows to the bioswale. We will be coordinating this closely to ensure as much access as possible can remain for residents.
- The Northern Bioswale has an approximately 100m³ and a catchment of 3556m² feeding into it
- The Southern Bioswale has an approximately 23m³ and a catchment of 980m² feeding into it

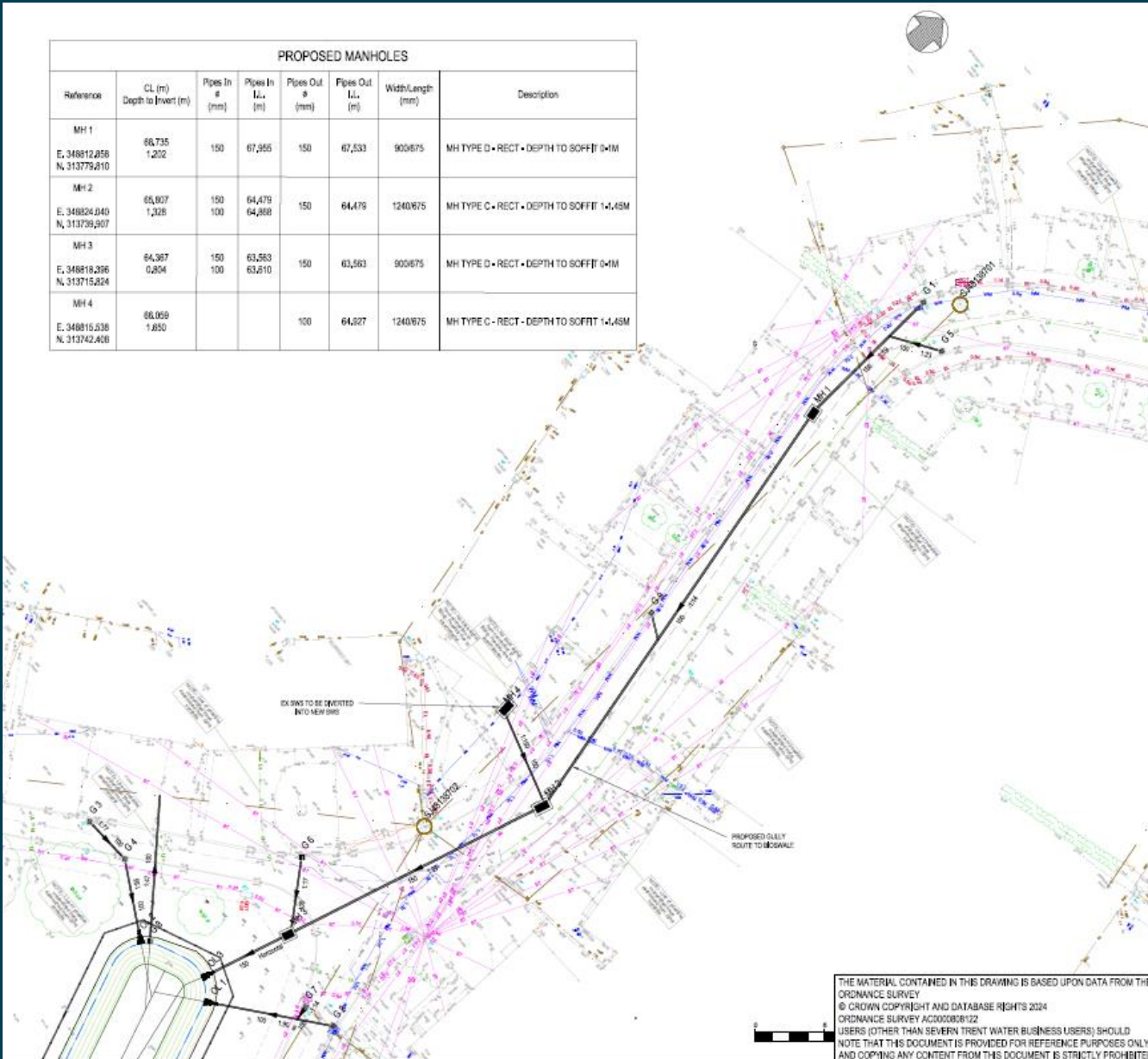


NORTHERN BIOSWALE



NORTHERN BIOSWALE PIPEWORK

Reference	CL (m) Depth to Invert (m)	Pipes In # (mm)	Pipes In I.L. (m)	Pipes Out # (mm)	Pipes Out I.L. (m)	Width/Length (mm)	Description
MH 1 E. 348812.858 N. 313779.810	66.735 1.202	150	67.965	150	67.533	900/675	MH TYPE C - RECT - DEPTH TO SOFFIT 0.41M
MH 2 E. 348824.040 N. 313739.907	65.807 1.328	150 100	64.479 64.868	150	64.179	1240/675	MH TYPE C - RECT - DEPTH TO SOFFIT 1.415M
MH 3 E. 348819.206 N. 313715.824	64.367 0.204	150 100	63.563 63.510	150	63.563	900/675	MH TYPE C - RECT - DEPTH TO SOFFIT 0.41M
MH 4 E. 348815.538 N. 313742.458	66.059 1.650			100	64.227	1240/675	MH TYPE C - RECT - DEPTH TO SOFFIT 1.415M

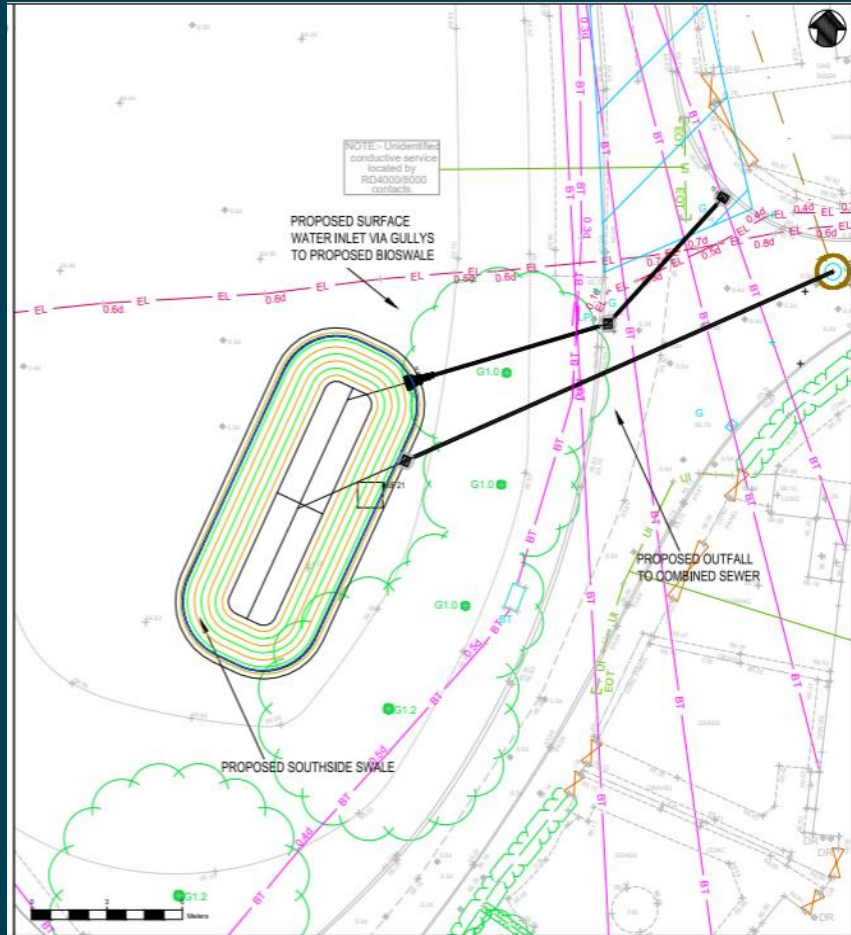


- Installing approx 130m of 150mm surface water pipe.
- Connecting 6nr existing highway gullies to the surface water pipe.
- 3nr Swale Inlets to feed water into the Bioswale
- Installing 4nr Manholes for maintenance of surface water system
- Installing 2nr additional highway gullies to improve road drainage
- Installing 2nr exceedance gullies within the bioswale and pipework to return to the STW network



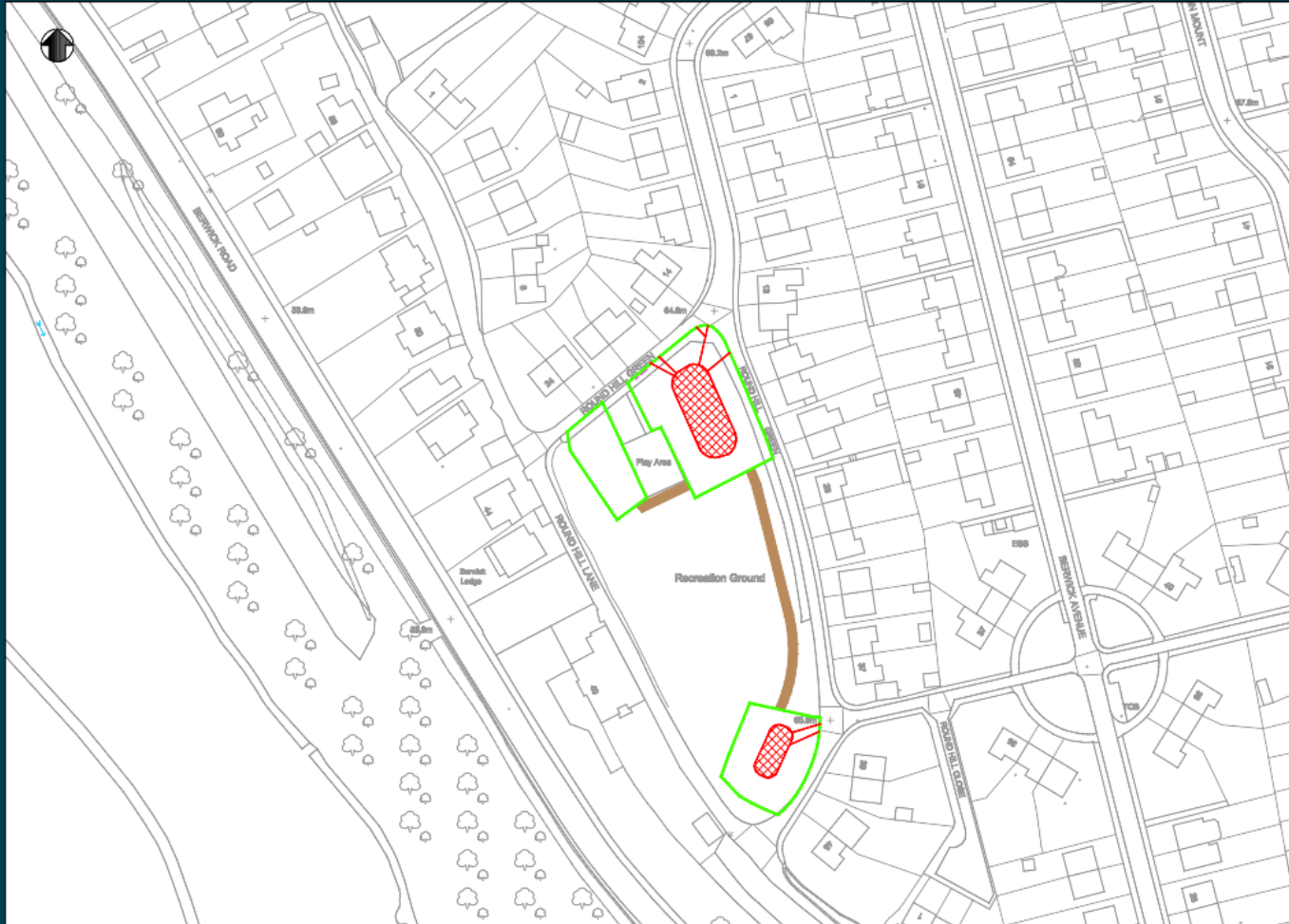
WONDERFUL ON TAP

SOUTHERN BIOSWALE



- Pipework installed will minimise impact on tree roots.
- Connecting 2nr existing highway gullies into the bioswale
- 2nr exceedance gullies with pipework to take flows back to STW network
- Knee rail fencing not currently included at location (still designed to safe 1:4 slope parameter)
- No footpath designed around intervention

WORKING AREA



- Drawing showing the current working areas. Allowance for small compare area on site with welfare unit, larger compound to be located elsewhere.

BIOSWALE DESIGN

- These bioswales have been designed to infiltrate to ground (following soakaway testing)
- These will be predominately dry- they hold water for a maximum of 48-hours during a storm event, so they don't retain a permanent water depth.
- Designed with a top water level control (2 no exceedance gullies) preventing the bioswale from overfilling
- Designed to a 1:4 gradient with a top water level of 450mm
- Designed to have aco-inlets to bring highway water into the features
- These features are also designed to filter out common pollutants from surface water including suspended solids, metals and hydrocarbons.

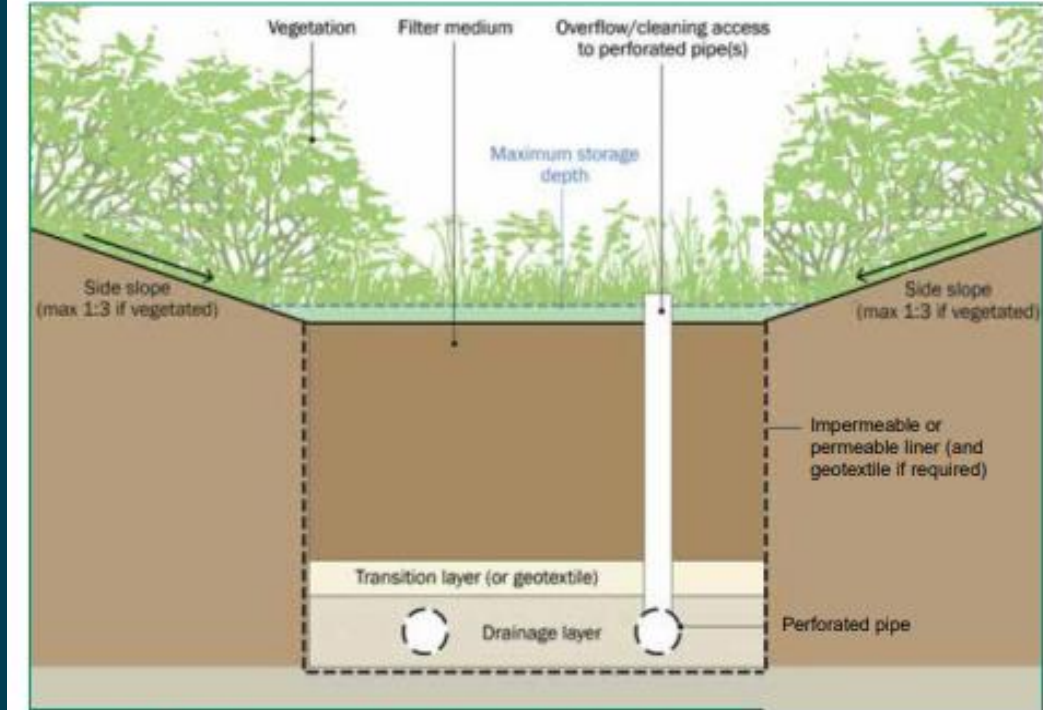


Figure 1 – Typical cross-section through a bioswale

Source: Adapted from Figure 18.1 from The SuDS Manual C753¹



WONDERFUL ON TAP

COMMUNICATIONS

- Over 500 letters sent initially letting the community know about the work taking place.
- We'll continue to send letters to residents at each phase of the works.
- Arranged two well attended Customer Drop's to meet the project team and look at our designs.
- Our Website will provide regular updates, once the scheme has started.
- A direct phone number to contact a Communications Officer to ask questions or raise concerns has been provided.
- Regular updates posted on social media platforms and via press releases.



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Q & A



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THANKS VERY MUCH



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