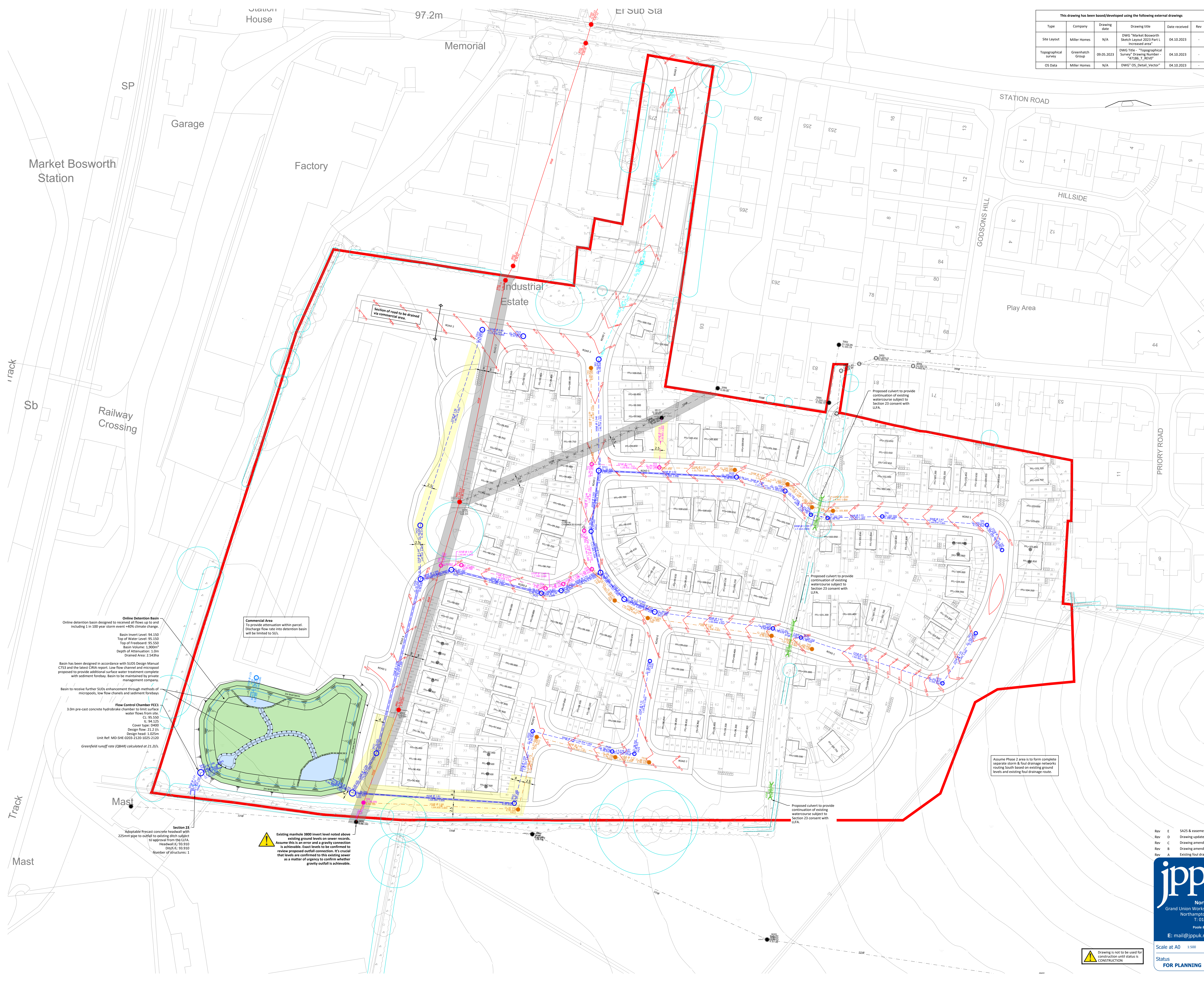




This drawing has been based/developed using the following external drawings					
Type	Company	Drawing date	Drawing title	Date received	Rev
Site Layout	Miller Homes	N/A	DWG "Market Bosworth Sketch Layout 2023 Part 1: Proposed area"	04.10.2023	-
Topographical survey	Greenhatch Group	09.05.2023	DWG Title - "Topographical Survey" Drawing Number - "2186_7_8540"	04.10.2023	-
OS Data	Miller Homes	N/A	DWG'S "OS_Detail_Vector"	04.10.2023	-

General Notes

- This drawing is to be used in conjunction with all relevant drawings, specifications and details.
- All dimensions are in metres unless noted otherwise.
- Do not scale from this drawing.

Drawing Key

Site Boundary (taken from Architects' layout referenced below)

- Proposed Section 104 Adoptable Foul Sewer
- Proposed Section 104 Adoptable Storm Sewer
- Existing Severn Trent Water Foul Sewer
- Existing Severn Trent Water Storm Sewer
- Existing Severn Trent Water Combined Drainage
- Proposed Section 38 Highway Drainage
- Proposed Section 185 Sewer Diversion
- Proposed Private Surface Water Headwall
- Proposed Culvert Works (S23 Land Drainage)
- Proposed Section 104 Adoptable Headwall
- Tree Protection Area - Taken from FPCR drawing titled "Tree Survey Plan West" Ref: 11637-T-01 dated September 2023
- Existing Contour
- Extent of Proposed Basins
- Proposed Banking Works (Max 1:3)
- Existing Foul Sewer to be Diverted

Detention basin operation & maintenance requirements		
Maintenance Schedule	Required Action	Recommended Frequency
Regular maintenance	Litter and debris removal	Monthly
	Grass cutting - for gateways and access routes.	Monthly (during growing season) or as required
	Grass cutting - meadow grass in and around basin.	Half yearly (spring - before nesting season, and autumn)
	Manage other vegetation and remove nuisance plants.	Monthly (at start then as required)
	Tidy all dead growth before start of growing season.	Annually
Occasional maintenance	Remove sediments from inlets, outlet and forebay.	Annually (or as required)
	Manage wetlands plants in outlet pool - where provided.	Annually
	Re-seed area of poor vegetation growth.	Annually (or as required)
	Prune and trim trees and remove cuttings.	2 years, (or as required)
	Remove sediments from forebay, when 50% full and from micropools if volume is reduced by >25%.	3-10 years, (or as required)
Remedial actions	Repair of erosion or other damage by re-seeding or re-surfing.	As required.
	Realignment of rip-rap.	As required.
	Repair/rehabilitation of inlets, outlets and overflows.	As required.
Monitoring	Re-level uneven surfaces and reinstate design levels, and clear if required.	As required.
	Inspect inlets, outlets and overflows for blockages, and evidence of physical damage.	Monthly/after large storms.
	Inspect inlets and facility surface for silt accumulation. Establish appropriate silt removal frequencies.	Half yearly
	Check penstocks and other mechanical devices.	Half yearly

Operation and maintenance requirements for pipes, gullies and manholes		
Maintenance Schedule	Required action	Record frequency
Regular maintenance	Inspect and identify areas that are not operating correctly. If required, take remedial action.	Monthly for first 3 months and then six monthly
	Debris removal from catchment surface (where may cause risk to performance)	Monthly
	Remove sediment from pre-treatment structures	Annually or as required
	Cleaning/gutting of annually, or as required, pipes and manholes.	As required
	Cleaning/gutting of annually, or as required, pipes and manholes.	As required

Operation & Maintenance: Private Drainage			
Pipe systems, inspection chambers, manholes and hydrobrake inspection chambers are provided at regular intervals, changes in direction, change in gradient and changes in pipe diameter. Access for maintenance is provided at inspection chamber/manhole positions.			
Maintenance Schedule	Required Action	Recommended Frequency	Maintaining Company
Regular maintenance	Inspect and identify areas that are not operating correctly. If required, take remedial action.	Monthly (for the first 3 months) then six monthly	Private
	Debris removal from catchment surface (where may cause risk to performance)	Monthly	
	Remove sediment from pre-treatment structures	Annually or as required	
	Cleaning/gutting annually, or as required, pipes, rodding eyes and manholes	As required	
	Inspect inlets, outlets and overflows for blockages, and clear if required	Monthly	
Monitoring	Check any penstocks and other mechanical devices	Annually	
	Inspect/check all part of pipes system, inspection chambers and hydrobrake to ensure that they are in good condition and operating as required.	Annually and after large storms.	Private
	Repair/rehabilitation of inlets, outlets and overflows.	As required.	Private

Water Quality Management				
Water quality management in accordance with document E26 of SUDs manual				
Total SUDs mitigation index = mitigation index + 0.5 (mitigation index)				
Network 1 - Residential Parcel				
Pollution hazard indices for different land use classifications 26.2		Pollution Hazard Level	Total Suspended Solids (TSS)	Metals
Residential Roads		Very Low	0.2	0.2
Individual property driveways, residential car parks, low traffic roads (eg cul de sacs, homezones and general access roads) and non-residential car parking with infrequent change (eg schools, offices) or CBD traffic movements/day		Low	0.5	0.4
Indicative SUDs mitigation indices for discharges to surface waters 26.3		Mitigation Indices		
Types of SUDs Components		Total Suspended Solids (TSS)	Metals	Hydrocarbons
Pond		0.7	0.7	0.5
Total SUDs mitigation index = pollution hazard index therefore SUDs mitigation is appropriate as per in accordance with document E26 of SUDs manual				

jpp
Northampton
Grand Union Works, Whilton Locks, Daventry
Northamptonshire, NN11 2NH
T: 01504 781811
Poole & Milton Keynes
E: mail@jppuk.net W: jppuk.net

- Infrastructure Design
- Structural Engineering
- Development Planning
- Professional Advice
- Geotechnical & Environmental Surveying

Client Miller Homes

Project Proposed Mixed Use Development Station Road Market Bosworth

Title Drainage Strategy Layout

Scale at A0 1:500 Drawn by SF

Checked by TL

Date October 2023

Status FOR PLANNING

Project ref 26417

Drawing no. 101

Revision E

