

SPECIFICATION NOTES

All drainage shall be constructed and commissioned in accordance with BS EN 295 & BS EN 752, Building Regulations Doc. H and any particular requirements of the Building Control Officer.

Drainage pipelines shall be in PVC-u below ground as Marley or similar approved, or vitrified clay.

This drawing shall be read in conjunction with all other relevant drainage drawings, architectural drawings and structural drawings.

For manhole details, gully details, bedding etc, refer to gta detail sheets.

All foul water drain runs shall have a fall of 1:40 or steeper, unless noted otherwise.

All cement used for concrete drainage installations shall be sulphate resistant class 50/55 (Grade S75).

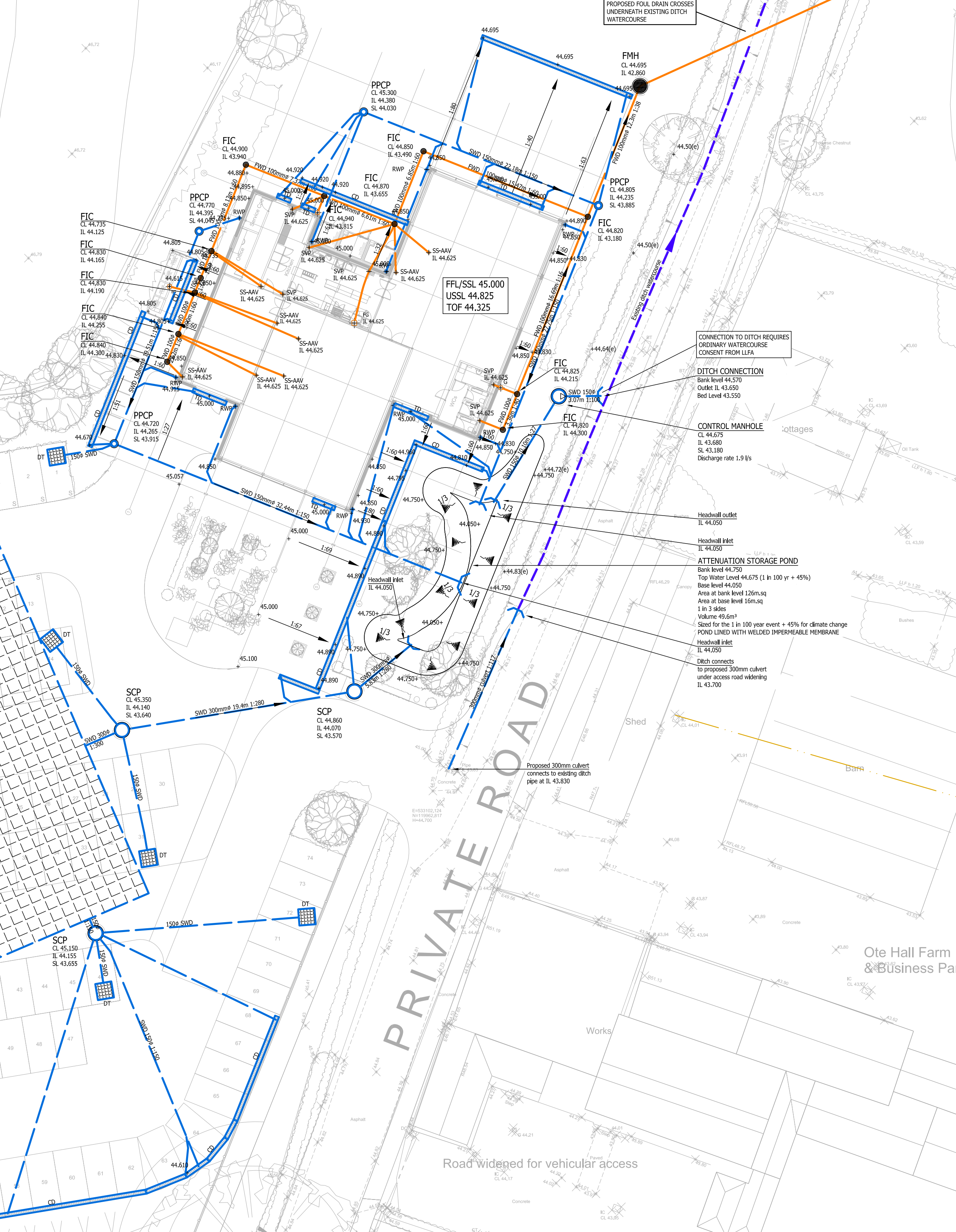
The use of short radius or 90° bends for changes in direction is permitted, only long or medium radius 45° bends shall be used. All junctions shall be 45°.

All drains shall have granular bed and surround as class 'S' bedding, unless noted otherwise.

All drainage works shall commence from the downstream end first unless agreed otherwise. Outfall level to be checked by contractor prior to any works commencing and any discrepancy identified to engineer prior to laying and drainage.

CELLULAR STORAGE
CL 45,200 - 46,800
Top level 44,650
Base level 44,150
Plan dims 35m x 15.5m
Depth 500mm
Volume 257.69m³ (95% voids)
Steel for the 1 in 100 year event + 45% for climate change
Tank to be laid with slight fall towards outlet and wrapped in impermeable membrane
Heavy duty tank for minimum cover of 550mm

1000 vent pipe to terminate at low level in landscaping. Location to be agreed with architect.



KEY

- Existing combined sewer
- Existing ditch watercourse
- Surface water drain
- Foul drain
- RWP Rainwater pipe
- GPG/RG Foul gully
- PPCP Surface water catchpit, plastic, 600
- FIC Foul inspection chamber, plastic, 450
- SCP Surface water catchpit, PCC, 1200
- FMH Foul manhole, PCC, 1200
- TXCD Drainage channel
- DT Distribution Tank

ABBREVIATIONS

- BG BIN STORE GULLY
- CD CHANNEL DRAIN
- CL COVER LEVEL
- DT DISTRIBUTION TANK
- FFL FINISHED FLOOR LEVEL
- FG FOUL GULLY INTERNAL
- FIC FOUL INSPECTION CHAMBER
- FMH FOUL MANHOLE
- FWD FOUL DRAIN
- G FOUL GULLY EXTERNAL
- IL INVERT LEVEL
- LLFA LEAD LOCAL FLOOD AUTHORITY
- PCC PRE CAST CONCRETE
- PPCP POLYPIPE CATCHPIT
- RWP RAINWATER PIPE
- SCP SURFACE WATER CATCHPIT
- SL SUMP LEVEL
- SS STUB STACK
- SSL STRUCTURAL SLAB LEVEL
- SVP SOIL VENT PIPE
- SWD SURFACE WATER DRAIN
- TD THRESHOLD DRAIN
- TOP TOP OF FOUNDATION
- USSL UNDERSIDE OF STRUCTURAL SLAB LEVEL

DESIGN NOTES

- ATTENUATION STORAGE SIZED FOR 1 IN 100 YEAR STORM + 45%.
- PROPOSED HEADWALL OUTFALL INTO DITCH WILL REQUIRE ORDINARY WATERCOURSE CONSENT FROM LLFA.
- PROPOSED CONNECTION TO EXISTING FOUL DRAIN REQUIRES SECTION 106 CONSENT FROM SOUTHERN WATER.
- CONTRACTOR TO ESTABLISH LOCATIONS OF ALL EXISTING SERVICES PRIOR TO COMMENCING.
- EXISTING TREES TO BE PROTECTED WHERE EXCAVATIONS RUN CLOSE.

P2	27.11.24	REVISED TO FEH2022 DATA AND +45% CC. TANK SIZE INCREASED.	JR	NS	GO
P1	21.12.21	STAGE 4 ISSUE - FOR INFORMATION	JR	NS	GO
REV	DATE	DESCRIPTION	BY	CHK	APP

OWENS

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CLIENT	OTE HALL FARM
ARCHITECT	ARKLEBOYCE
JOB TITLE	OTE HALL FARM BURGESS HILL WEST SUSSEX
DRAWING TITLE	SITE DRAINAGE

JOB No.	2021-03	SCALE	1:250	DATE	DECEMBER 2021
DRAWN	J.R.	ENGINEER	J. ROBERTS	CHECKED	M.R.
STATUS	DRAWING SURVIVABILITY				
REVISION	REVISION STATUS				
	P2	STAGE 4 - TECHNICAL DESIGN			
DRAWING No.	202103-OC-Z1-00-PL-C-1101A				