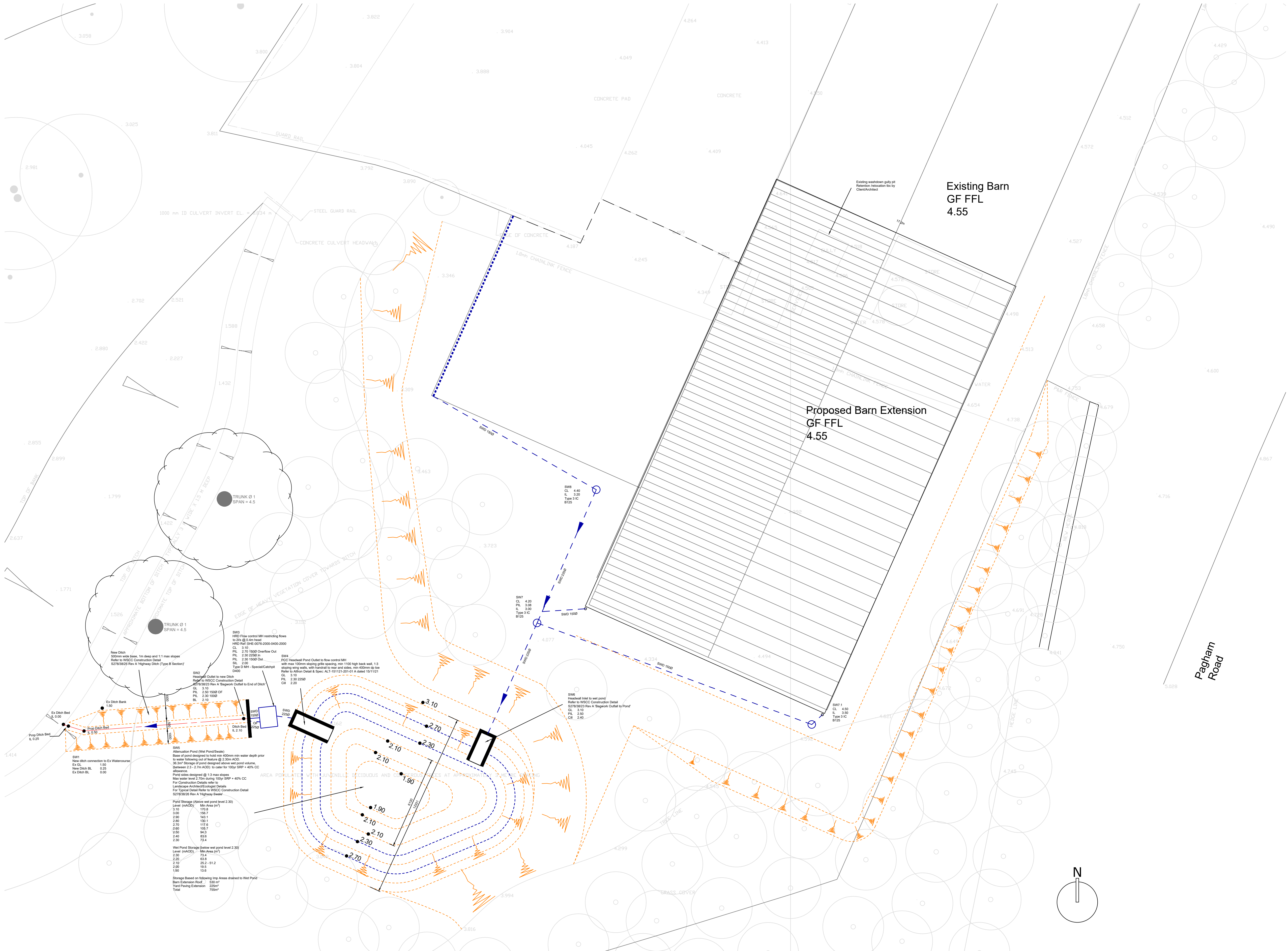




Legend (Scale 1:100)



- SW DRAINAGE DESIGN BASED ON:
- 100 Yr SRP plus 40% climate change allowance
 - Soakaways not viable on site - Refer to Geotech SI - SIR below 1x10⁻⁶m/s
 - Proposed 2/s restricted discharge (as requested by LPA/LLFA) to on site watercourse with attenuation wet pond and HRD flow control provided on site.
 - Note: Enhanced/more frequent maintenance of flow control and outlet structures required due to increase risk of blockage. Initial proposed discharge flow of 5/s which would have had a lower risk of blockage declined by LPA/LLFA
 - Non Porous Paved areas served by trapped RG/C/Ds
 - New connection to watercourse proposed, subject to LLFA/EA/LPA consent.

- FW DRAINAGE DESIGN:
- No FWS present locally
 - No connections required

NOTES

- This drawing is to be read in conjunction with drawing Nos. FC2846/01-25.
- All drainage is to remain private.
- All pipes to be adopted, or connecting to adopted sewers, and/or situated under highway to be verified clay to BS EN 295 & BS65 (SWS only), or Concrete pipes to BE EN 1916 & BS5911 Part 1, or Thermoplastic Structured wall sewer pipes to WIS 4-55-01 (class 8kN/m²) and be capable of withstanding 4000 PSI jetting pressure. All pipe junctions (not connected to via manholes/inspection chambers) to utilise oblique junctions.
- Cover levels shown are approximate. Covers and frames shall be set to finished ground levels and falls.
- All drainage to be constructed to BS EN 752:1999 and subject to the approval of Building Control/LPA and the Environment Agency.
- Gully and channel drain positions are liable to amendment when the design levels have been determined.
- All downpipes are to be sealed, ie connected directly to the stormwater drain. Access points to be provided 1m above ground level for external RWP's and 1m above FFL for internal RWP's.
- All below ground concrete to accord with ACEC site classification of 3000.
- Aco channel drain to be K100S with grade C250 Quicklock 'Heelguard' cast iron grating or equivalent, where adjacent to kerbing or within pedestrian areas. Elsewhere Aco channel drain to be Road Drain 100 Class F. All channel drain outlets to have oil traps
- The Contractor should construct works in accordance with the Local Authority specification for the works they are to undertake.
- Road gully pipes are to be 150mm dia. with concrete surround and flexible joints, all other un-referenced pipes are assumed to be 100mm dia.
FW min gradient - 1 in 40 (100 dia) no WC's connected
FW min gradient - 1 in 80 (100 dia) min 1 WC connected
FW min gradient - 1 in 150 (150 dia) min SWC's
SW min gradient - 1 in 100 (100/150 dia)
- If any sub soil drainage systems are uncovered during the Works contact the Engineer for instructions. Generally sub soil drains affected are to be diverted around new Works and connected into the surface water drainage system. Pipe diameters and gradients are to be maintained.
- Before commencing construction the Contractor must check the invert levels of existing sewers to which connections are made. In addition the Contractor must locate and determine invert levels of the existing spurs to which connections are proposed. Additional spur/manhole connections are to be agreed with the relevant adopting authority. Any discrepancies are to be notified to the Engineer immediately, prior to construction.
- Road reinstatements are to be to the Highway Authority approval.
- No private areas are to drain onto adoptable areas and vice versa.
- All redundant drainage to be abandoned once the Contractor and Client have satisfied themselves that no connections remain live. Drains and sewers less than 1.5m deep which are in open ground should as far as is practicable be removed. Other pipes should be sealed at both ends and at any other point of connection and solidly filled at intervals not exceeding 25m with Class G3 or G4.

NOTE THE FOLLOWING:

- SW Discharges to watercourse
 - 1.1. Restricted SW discharge to watercourse
 - 1.1.1. LPA/LLFA approval
 - 1.1.1.1. Ref & Dated
- HRD Hydrobrake Flow Control
 - 2.1. 2/s @ 0.4m head
 - 2.1. Refer to HRD Design & Details dated 12/05/21
 - 2.2. HRD Ref: SHE-0076-2000-0400-2000
 - 2.3. HRD Quote: HQT-081427
- SW4 - PCC Pond Outfall Headwall
 - 3.1. Refer to Althon Detail & Spec - ALT-151121-201-01 A dated 15/11/21

F	Issued For BUDGET/APPROVAL ONLY	15/11/21
E	Issued For BUDGET/APPROVAL ONLY	28/10/21
D	Issued For BUDGET/APPROVAL ONLY	04/10/21
C	Issued For BUDGET/APPROVAL ONLY	15/09/21
B	Issued For BUDGET/APPROVAL ONLY	09/03/21
A	Issued For BUDGET/APPROVAL ONLY	16/11/20
-	Issued For BUDGET/APPROVAL ONLY	14/01/20
REV	DESCRIPTION	DATE

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PROJECT	BARN EXTENSION BARFOOTS - LITTLE SEFTER PAGHAM Rd, BOGNOR REGIS W SUSSEX, PO20 1LN				
	PROPOSED SW DRAINAGE LAYOUT				
DRAWING	FC2846/02				
	REV F				
SCALE	1:25	DATE	JAN 20	INITIAL	MH
DRAWING	M1		CHKD	-	
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SUBJECT TO THE APPROVAL OF:
LPA/LLFA/EA
BUILDING CONTROL/NHBC