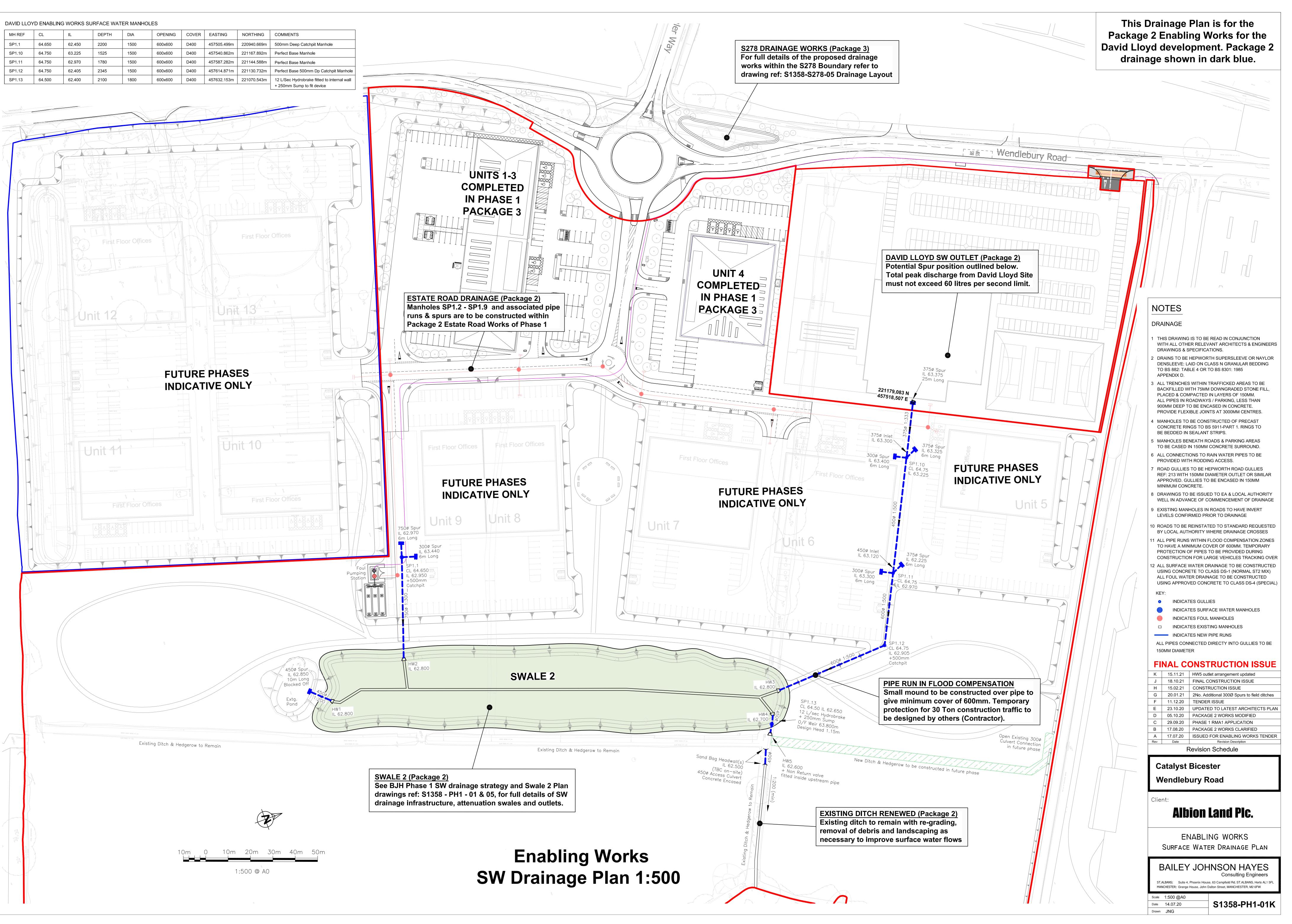
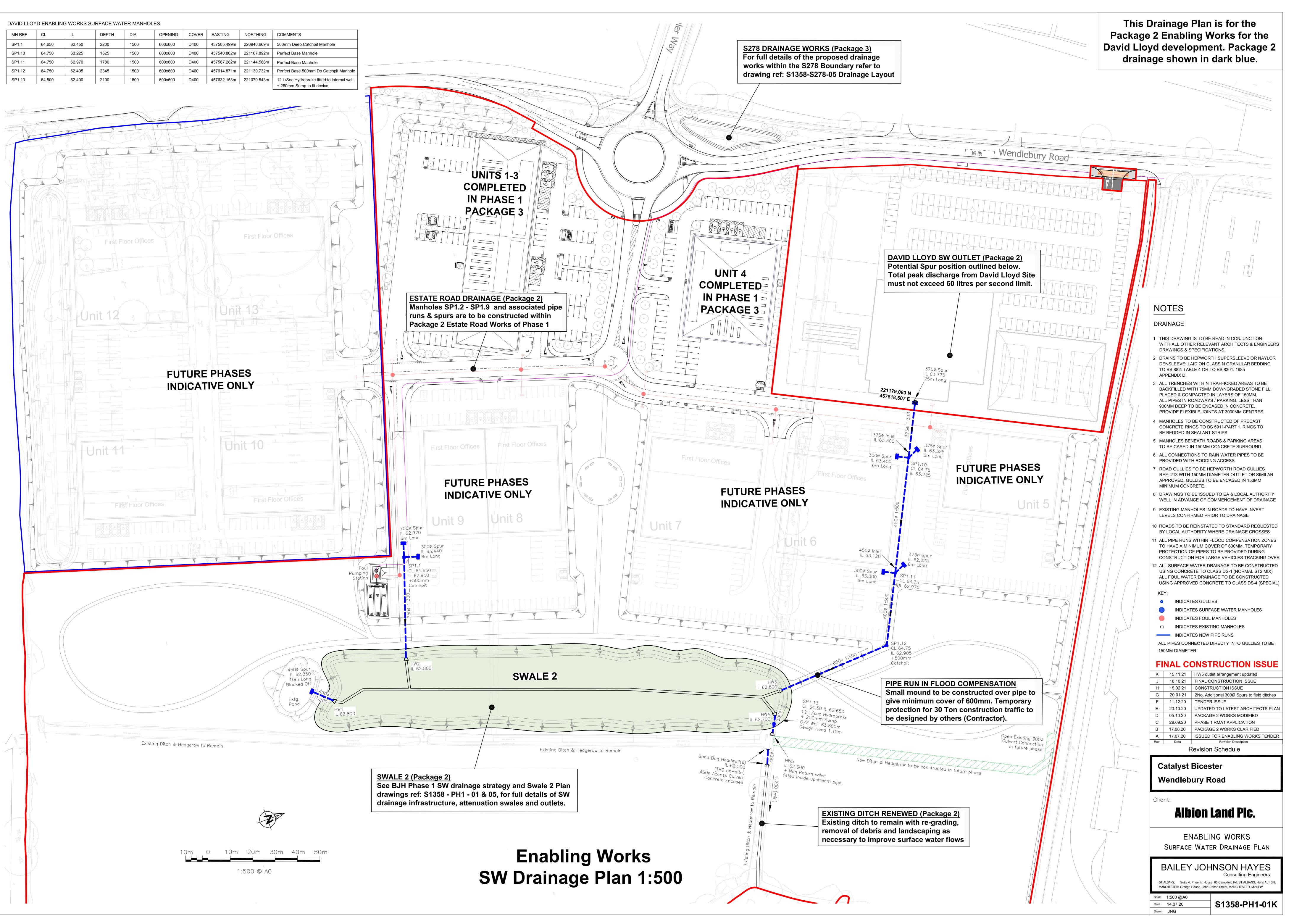
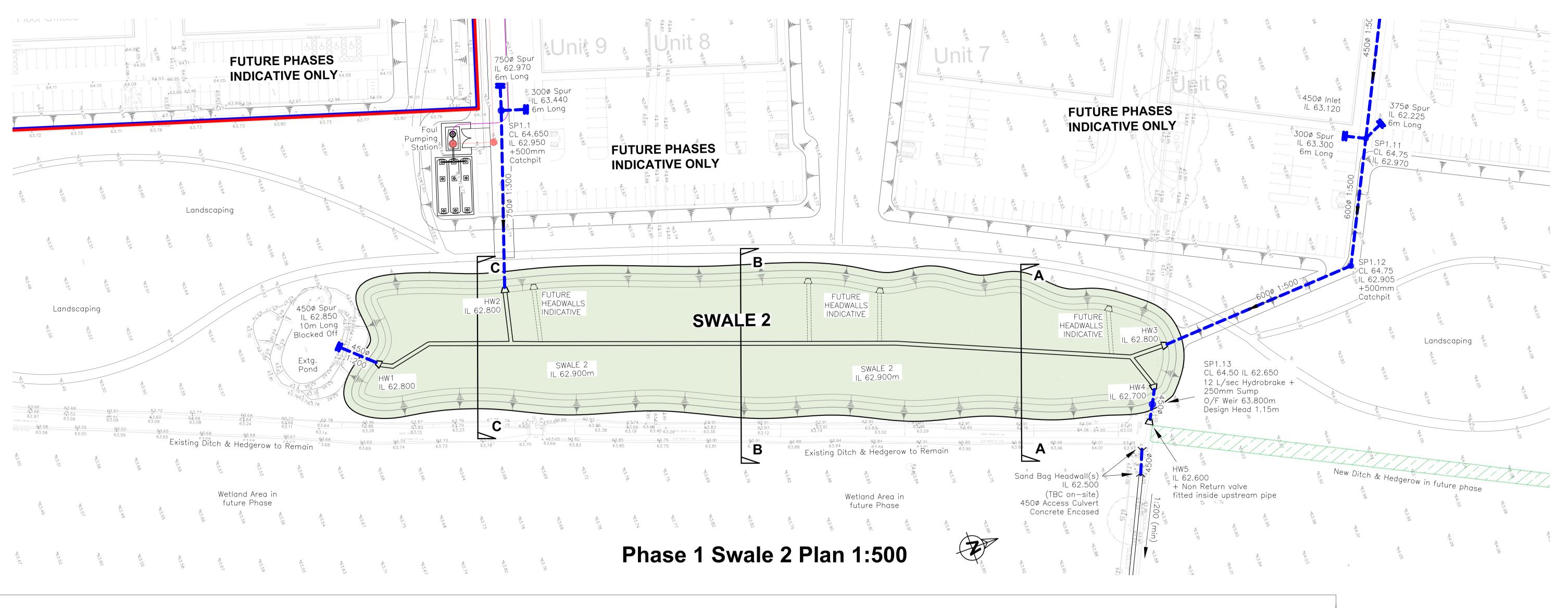
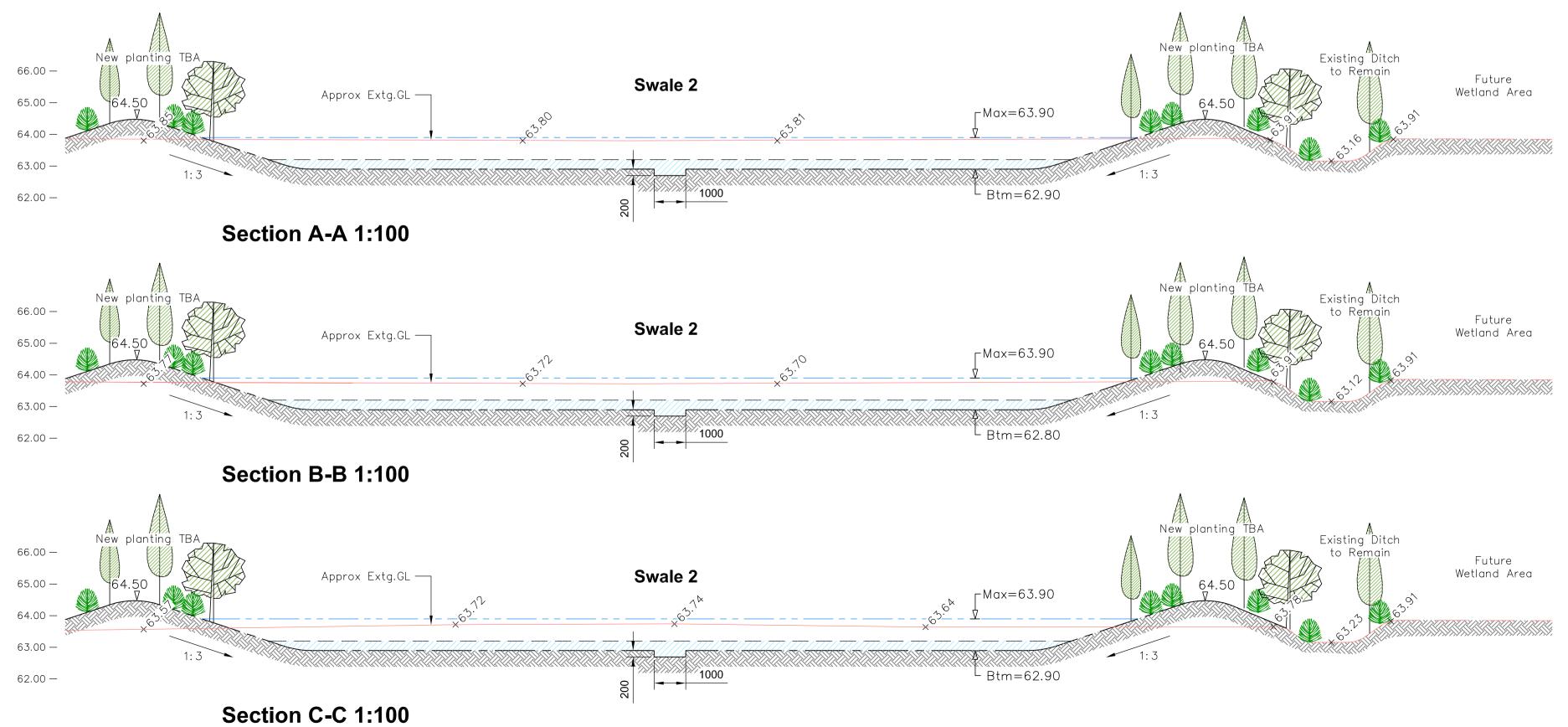
## **APPENDIX A.1**

## **PHASE 1 PLANS**









### FINAL CONSTRUCTION ISSUE

J	15.11.21	HW5 outlet arrangement updated		
Н	18.10.21	FINAL CONSTRUCTION ISSUE		
G	15.02.21	CONSTRUCTION ISSUE		
F	20.01.21	2No. Additional 300Ø Spurs to field ditches		
E	11.12.20	TENDER ISSUE		
D	23.10.20	UPDATED TO LATEST ARCHITECTS PLAN		
С	29.09.20	PHASE 1 RMA1 APPLICATION		
В	17.08.20	PACKAGE 2 WORKS CLARIFIED		
Α	17.07.20	ISSUED FOR ENABLING WORKS TENDER		
Rev	Date	Revision Description		
Revision Schedule				

**Catalyst Bicester** 

Wendlebury Road

Client:

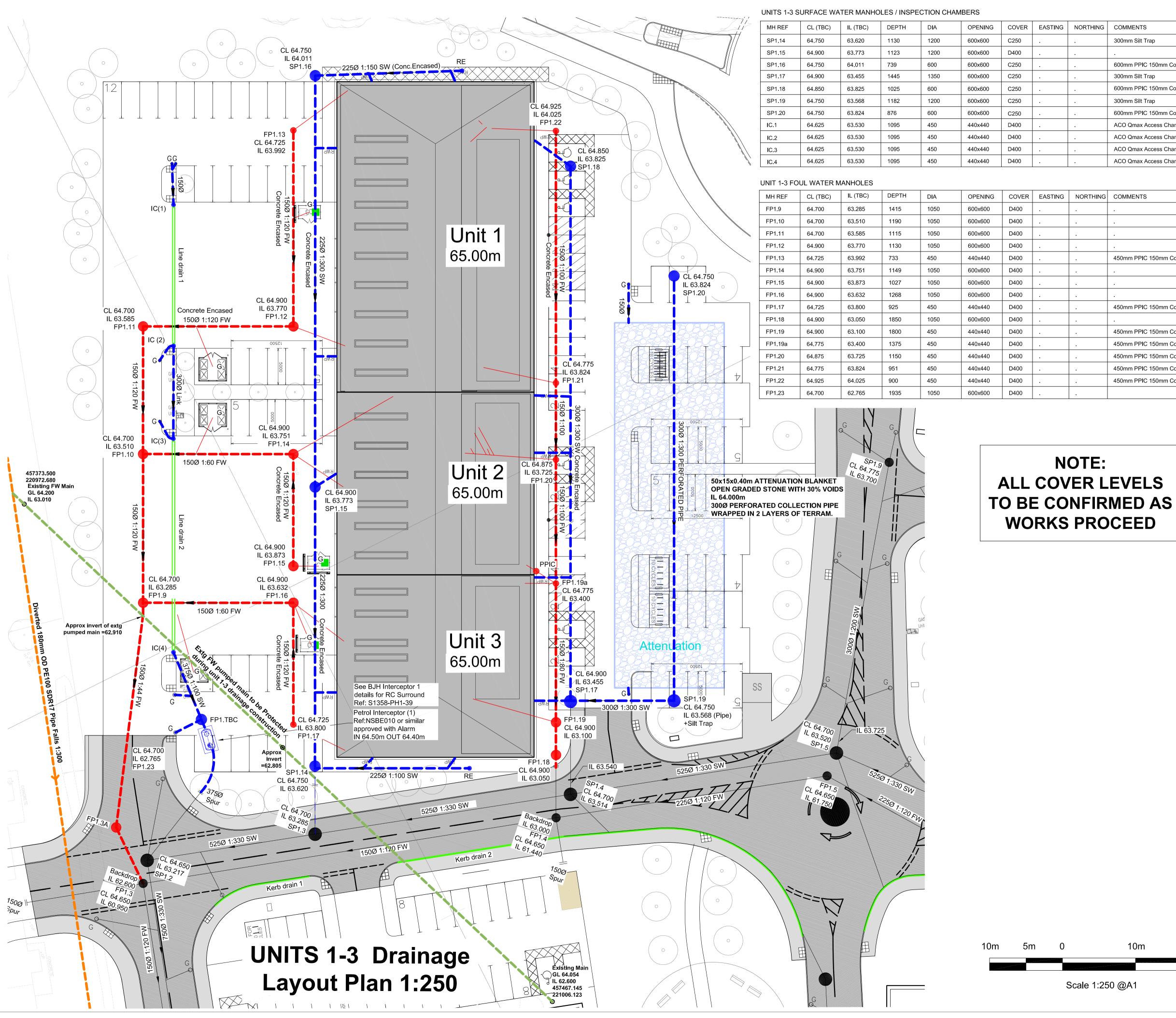
**Albion Land Plc.** 

ENABLING WORKS SWALE 2 DETAILS

BAILEY JOHNSON HAYES Consulting Engineers

ST.ALBANS: Suite 4, Phoenix House, 63 Campfield Rd, ST.ALBANS, Herts AL1 5FL MANCHESTER: Grange House, John Dalton Street, MANCHESTER, M2 6FW

/		
Scale	1:500, 100 @A1	
Date	14.07.20	S1358-PH1-05J
Drawn	JNG	



Scale 1:250 @A1

DMMENTS
0mm Silt Trap
0mm PPIC 150mm Concrete Surround
0mm Silt Trap
0mm PPIC 150mm Concrete Surround
0mm Silt Trap
0mm PPIC 150mm Concrete Surround
CO Qmax Access Chamber + slotted cover
CO Qmax Access Chamber + slotted cover
CO Qmax Access Chamber + slotted cover
CO Qmax Access Chamber + slotted cover

COMMENTS
•
450mm PPIC 150mm Concrete Surround
450mm PPIC 150mm Concrete Surround
450mm PPIC 150mm Concrete Surround



### NOTES

#### DRAINAGE

- 1 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND BAILEY JOHNSON HAYES DRAWINGS AND SPECIFICATIONS.
- 2 DRAINS TO BE 'HEPWORTH SUPERSLEEVE' LAID IN CLASS S BEDDING TO BS 882 1983: TABLE 4, OR TO BS 8301 1985: APPENDIX D. 450 DIA DRAINS AND ABOVE TO BE HEPWORTH CONCRETE PIPES CLASS H . OR EQUAL APPROVED DRAINS WITHIN THE SITE MAY BE THERMOPLASTIC STRUCTURED WALL PIPE IN ACCORDANCE WITH CLAUSE E2.22 OF SFA 8th EDITION
- 3 ALL TRENCHES WITHIN TRAFFICKED AREAS TO BE BACKFILLED WITH 75 MM DOWN GRADED STONE FILL, PLACED AND COMPACTED IN 150 MM LAYERS. ALL PIPES IN ROADWAYS, SERVICE YARDS AND CARPARKS LESS THAN 1200 MM DEEP TO BE ENCASED IN CONCRETE. PROVIDE FLEXIBLE JOINTS AT 3 METRE CENTRES.
- 4 MANHOLES TO BE CONSTRUCTED IN PRECAST CONCRETE RINGS TO BS 5911: PART 1. RINGS TO BE BEDDED IN SEALANT STRIPS.
- 5 MANHOLES IN FOOTPATHS OR LANDSCAPED AREAS TO BE BACKFILLED WITH 40 MM DOWN GRADED STONE FILL, COMPACTED IN LAYERS NOT EXCEEDING 150 MM THICK. MANHOLES BENEATH ROADS AND PARKING AREAS TO BE CASED IN 150 MM CONCRETE SURROUND.
- 6 ALL CONNECTIONS TO RAIN WATER PIPES TO BE PROVIDED WITH RODDING ACCESS.
- 7 ALL ROAD GULLIES TO BE HEPWORTH ROAD GULLIES., REF RGR4 WITH 150 MM DIAMETER OUTLETS. GULLIES TO BE ENCASED IN 150 MM MINIMUM CONCRETE.
- 8 DRAINS UNDER BUILDING AND WITHIN 300 MM OF THE UNDERSIDE OF FLOORSLAB TO BE ENCASED IN 150 MM CONCRETE. CASING TO INCORPORATE FLEXIBLE FIBRE BOARD JOINTS AT SPACINGS AS RECOMMENDED BY THE PIPE MANUFACTURER. DRAINS UNDER BUILDINGS GENERALLY TO HAVE MIN 100 FULL GRANULAR SURROUND TO CLASS S BS8301
- 9 WHERE PIPES RUN THROUGH GROUND BEAMS, FLEXIBLE JOINT CASINGS AT EACH FACE OF THE GROUND BEAM ARE TO BE PROVIDED. PIPES WHICH RUN UNDER GROUND BEAMS TO BE PROTECTED WITH 50 MM MINIMUM POLYSTYRENE PLACED OVER THE CROWN OF THE PIPE.
- 10 ALL WORK TO EXISTING PUBLIC SEWERS TO BE IN ACCORDANCE WITH SEWERS FOR ADOPTION 8TH EDITION AND BS 8301 : CODE OF PRACTICE FOR BUILDING DRAINAGE
- 11 WHERE DRAINS RUN CLOSE TO BUILDINGS AND INVERT LEVELS ARE BELOW FOUNDATIONS THE DRAINS SHOULD BE ENCASED AS FOLLOWS:-
- (a) WHERE THE DRAIN TRENCH IS WITHIN 1M OF THE BUILDING THE TRENCH SHOULD BE FILLED WITH CONCRETE UP TO FOUNDATION FORMATION LEVEL or
- (b) WHERE THE DRAIN TRENCH IS FURTHER THAN 1M OF THE BUILDING THE TRENCH SHOULD BE FILLED WITH CONCRETE TO A LEVEL BELOW FOUNDATION FORMATION EQUAL TO THE DISTANCE FROM THE BUILDING LESS 150mm.

KEY:

- Ο INDICATES GULLIES
- INDICATES SURFACE WATER MANHOLES
- INDICATES FOUL MANHOLES
- INDICATES EXISTING MANHOLES
- INDICATES NEW FW PIPE RUNS
- ----- INDICATES NEW SW PIPE RUNS

## FINAL CONSTRUCTION ISSUE

Р	04.02.22	FINAL CONSTRUCTION ISSUE		
Ν	31.08.21	Site layout / site road updated		
М	03.08.21	Minor revs to schedules		
L	29.07.21	MH FP1.23 added + inverts updated		
К	19.07.21	RWP's updated		
J	18.06.21	FP1.9-16 IL's raised to avoid extg Pump main		
Н	11.06.21	Unit 2 Loading door + condenser position updated, drainage revised to suit.		
G	07.06.21	Extg FW pumped main shown		
F	04.05.21	Minor Revs		
Е	30.04.21	Updated to latest Services / Boundary Plan		
D	04.12.20	TENDER ISSUE		
С	23.10.20	Updated to latest Architects Plan		
Rev	v Date Revision Description			
Rovision Schodula				

Revision Schedule

### **Catalyst Bicester**

Wendlebury Road

#### Client:

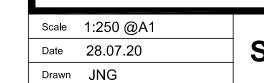
20m

# **Albion Land Plc.**

PHASE I - PACKAGE 3 UNITS I-3 DRAINAGE PLAN

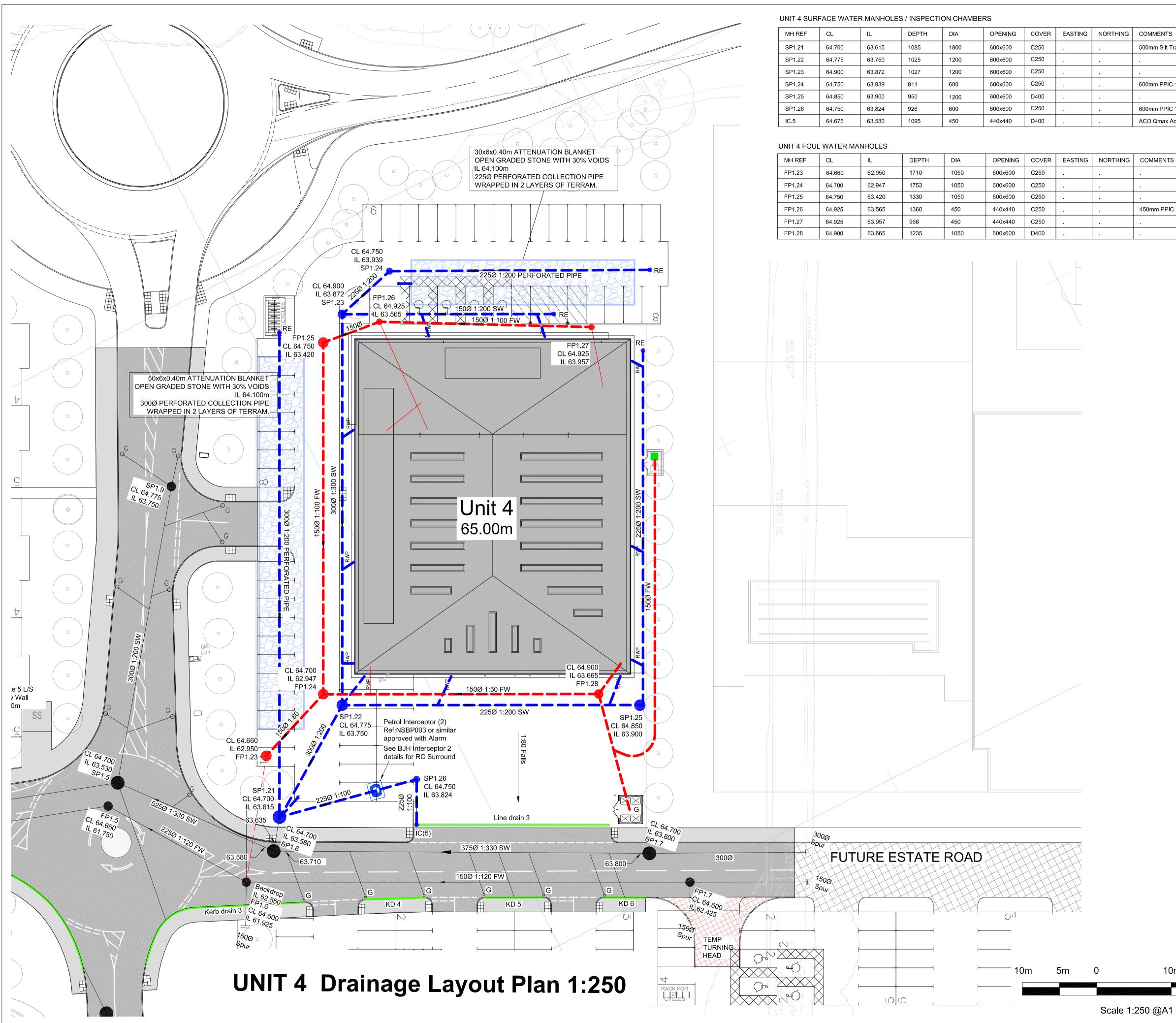
#### **BAILEY JOHNSON HAYES Consulting Engineers**

ST.ALBANS: Suite 4, Phoenix House, 63 Campfield Rd, ST.ALBANS, Herts AL1 5FL MANCHESTER: Grange House, John Dalton Street, MANCHESTER, M2 6FW





10m



OMMENTS	
00mm Silt Trap	

600mm PPIC 150mm Concrete Surround

600mm PPIC 150mm Concrete Surround ACO Qmax Access Chamber + slotted cover

450mm PPIC 150mm Concrete Surround

### NOTES

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С	23.10.20	UPDATED TO LATEST ARCHITECTS PLAN		
В	29.09.20	PHASE 1 RMA1 APPLICATION		
Α	28.09.20	Updated to latest site plan		
Rev	Date	Revision Description		
Devision Calcadula				

Revision Schedule

### **Catalyst Bicester**

Wendlebury Road

Client:

# **Albion Land Plc.**

PHASE I - PACKAGE 3 UNIT 4 DRAINAGE LAYOUT PLAN

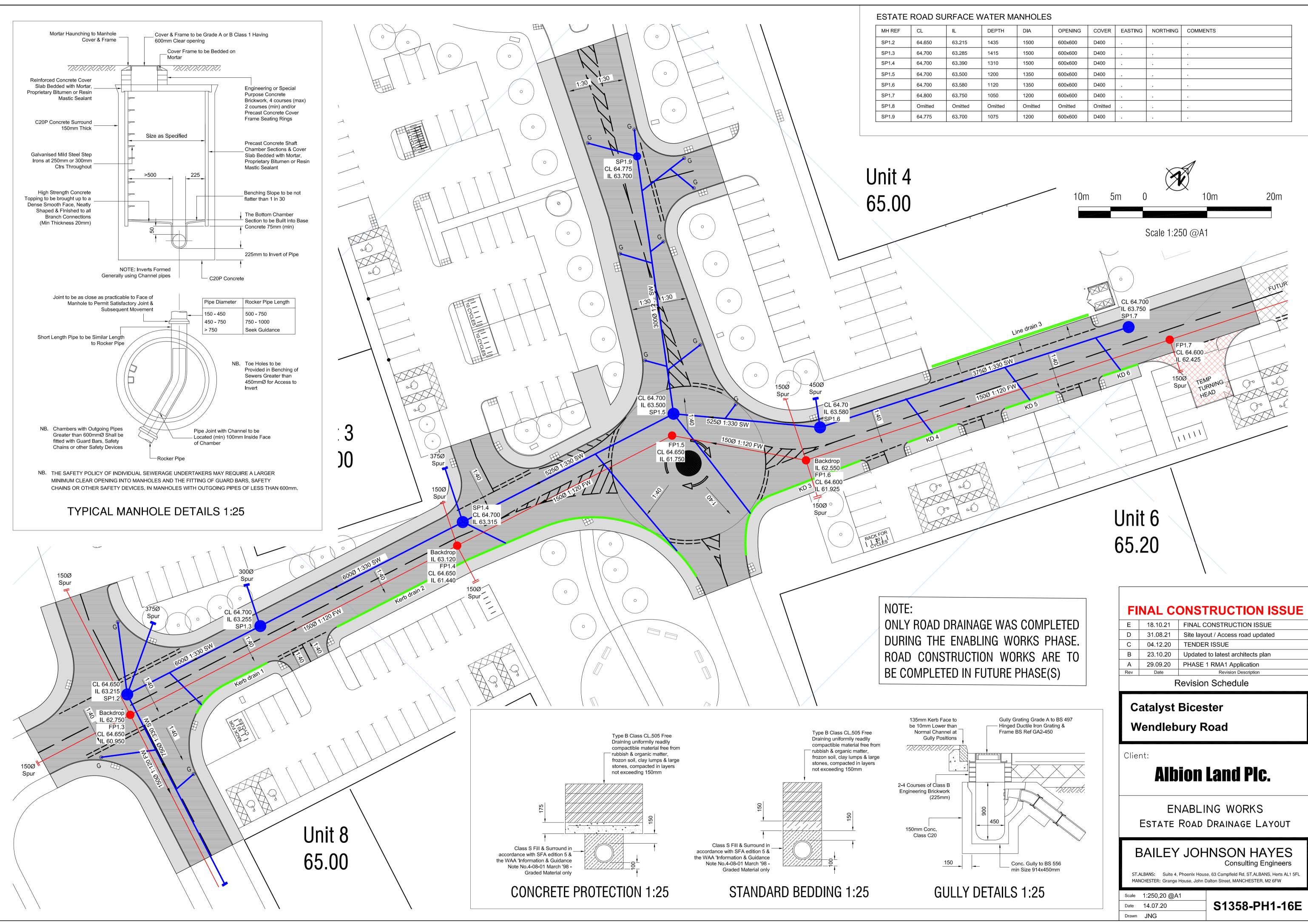
**BAILEY JOHNSON HAYES Consulting Engineers** 

ST.ALBANS: Suite 4, Phoenix House, 63 Campfield Rd, ST.ALBANS, Herts AL1 5FL MANCHESTER: Grange House, John Dalton Street, MANCHESTER, M2 6FW

S1358-PH1-13K

20m

10m



PTH	DIA	OPENING	COVER	EASTING	NORTHING	COMMENTS
35	1500	600x600	D400	•	•	
15	1500	600x600	D400		•	
10	1500	600x600	D400			
00	1350	600x600	D400		•	
20	1350	600x600	D400		•	
50	1200	600x600	D400		•	
nitted	Omitted	Omitted	Omitted		•	
75	1200	600x600	D400	•	•	