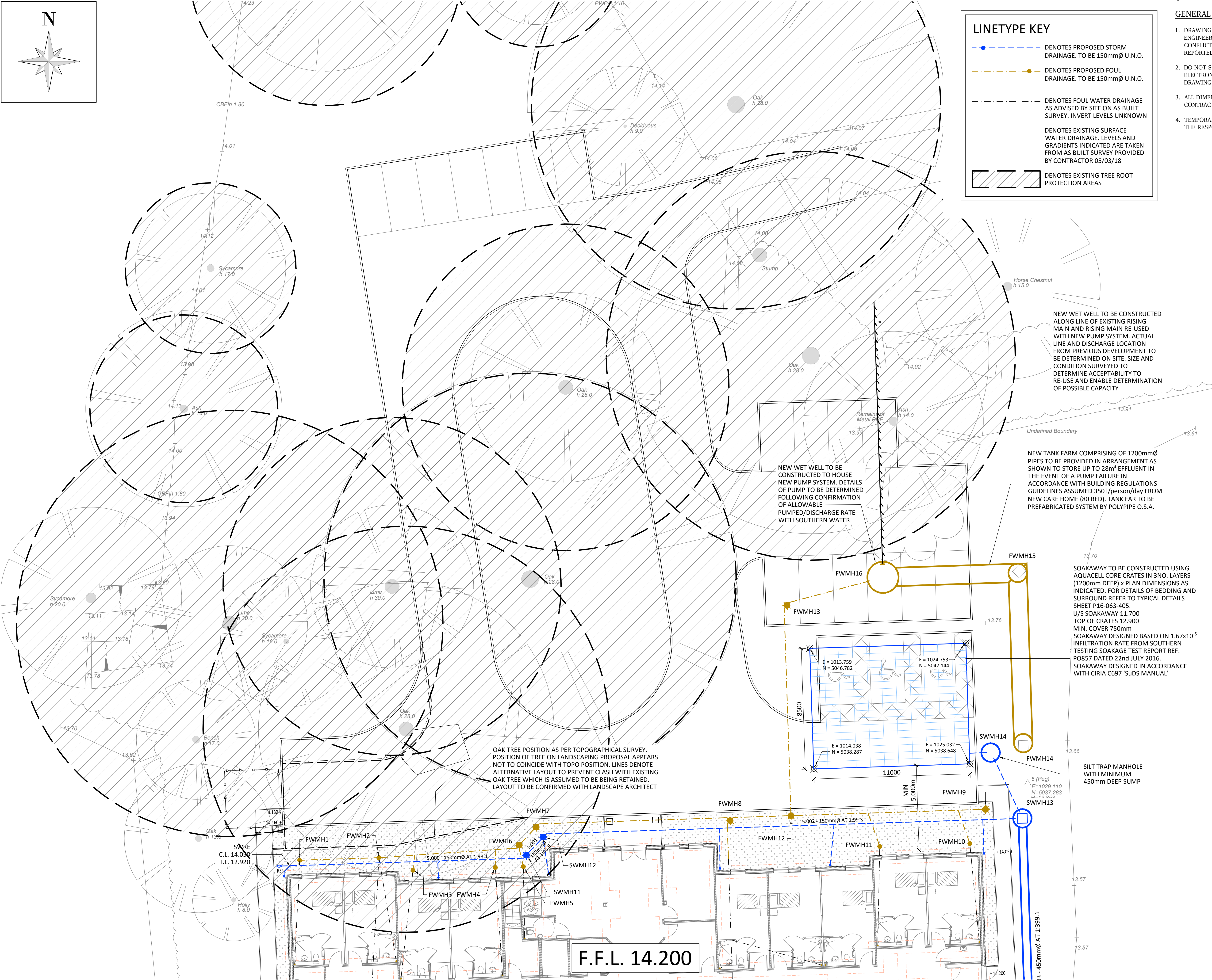
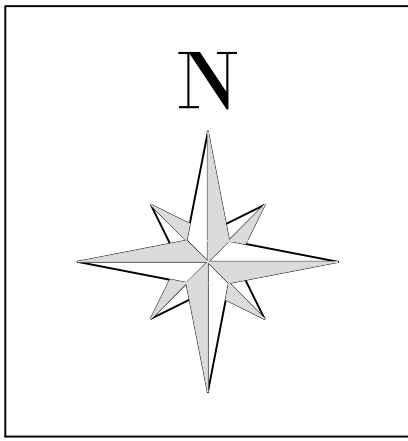




LINETYPE KEY

•

 DENOTES PROPOSED STORM DRAINAGE. TO BE 150mmØ U.N.O.

•

 DENOTES PROPOSED FOUL DRAINAGE. TO BE 150mmØ U.N.O.

DENOTES FOUL WATER DRAINAGE AS ADVISED BY SITE ON AS BUILT SURVEY. INVERT LEVELS UNKNOWN

DENOTES EXISTING SURFACE WATER DRAINAGE. LEVELS AND GRADIENTS INDICATED ARE TAKEN FROM AS BUILT SURVEY PROVIDED BY CONTRACTOR 05/03/18

DENOTES EXISTING TREE ROOT PROTECTION AREAS

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GENERAL NOTES

- DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERING & ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. ANY CONFLICTS BETWEEN THIS DRAWING AND INFORMATION ELSEWHERE TO BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE.
- DO NOT SCALE FROM THIS DRAWING. IF THIS DRAWING HAS BEEN RECEIVED ELECTRONICALLY IT IS THE RESPONSIBILITY OF THE RECIPIENT TO PRINT THE DRAWING TO THE CORRECT SCALE.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE. CONTRACTOR TO CHECK ALL DIMENSIONS ON SITE PRIOR TO CONSTRUCTION.
- TEMPORARY WORKS INDICATED OR IMPLIED AS PART OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS NOTED OTHERWISE.

THE SURFACE WATER STRATEGY SHOWN ON THIS DRAWING HAS BEEN PREPARED FOLLOWING WINTER GROUND WATER MONITORING MEASURED FORM AN EXISTING WELL LOCATED ON THE WESTERN BOUNDARY OF THE SITE. THE SOAKAWAY DESIGNED TO THE NORTHERN END OF THE CAR PARK HAS BEEN DESIGN IN LINE WITH BRE365 AND SET AT A MINIMUM OF 300mm ABOVE THE MAXIMUM RECORDED GROUND WATER LEVEL OF 11.395

NEW WET WELL TO BE CONSTRUCTED ALONG LINE OF EXISTING RISING MAIN AND RISING MAIN RE-USED WITH NEW PUMP SYSTEM. ACTUAL LINE AND DISCHARGE LOCATION FROM PREVIOUS DEVELOPMENT TO BE DETERMINED ON SITE. SIZE AND CONDITION SURVEYED TO DETERMINE ACCEPTABILITY TO RE-USE AND ENABLE DETERMINATION OF POSSIBLE CAPACITY

NEW TANK FARM COMPRISING OF 1200mmØ PIPES TO BE PROVIDED IN ARRANGEMENT AS SHOWN TO STORE UP TO 28m³ EFFLUENT IN THE EVENT OF A PUMP FAILURE IN ACCORDANCE WITH BUILDING REGULATIONS GUIDELINES ASSUMED 350 l/person/day FROM NEW CARE HOME (80 BED). TANK FAR TO BE PREFABRICATED SYSTEM BY POLYPIPE O.S.A.

NEW WET WELL TO BE CONSTRUCTED TO HOUSE NEW PUMP SYSTEM. DETAILS OF PUMP TO BE DETERMINED FOLLOWING CONFIRMATION OF ALLOWABLE PUMPED/DISCHARGE RATE WITH SOUTHERN WATER

SOAKAWAY TO BE CONSTRUCTED USING AQUACELL CORE CRATES IN 3NO. LAYERS (1200mm DEEP) x PLAN DIMENSIONS AS INDICATED. FOR DETAILS OF BEDDING AND SURROUND REFER TO TYPICAL DETAILS SHEET P16-063-405. U/S SOAKAWAY 11.700 TOP OF CRATES 12.900 MIN. COVER 750mm SOAKAWAY DESIGNED BASED ON 1.67x10⁻⁵ INFILTRATION RATE FROM SOUTHERN TESTING SOAKAGE TEST REPORT REF: PO857 DATED 22nd JULY 2016. SOAKAWAY DESIGNED IN ACCORDANCE WITH CIRIA C697 'SuDS MANUAL'

SILT TRAP MANHOLE WITH MINIMUM 450mm DEEP SUMP

OAK TREE POSITION AS PER TOPOGRAPHICAL SURVEY. POSITION OF TREE ON LANDSCAPING PROPOSAL APPEARS NOT TO COINCIDE WITH TOPO POSITION. LINES DENOTE ALTERNATIVE LAYOUT TO PREVENT CLASH WITH EXISTING OAK TREE WHICH IS ASSUMED TO BE BEING RETAINED. LAYOUT TO BE CONFIRMED WITH LANDSCAPE ARCHITECT

P7	AB	GW	SOAKAWAY DESIGN DOCUMENT REFERENCE ADDED IN LINE WITH RECENT DISCUSSIONS WITH ARUN DISTRICT COUNCIL.	16.05.18
P6	AB	GW	ROOF AREA RE-DISTRIBUTED INTO SYSTEM. SOAKAWAY TANK PLAN AREA INCREASED. GRADIENTS OF OVERSIZED PIPEWORK TWEAKED TO CREATE 1m/s VELOCITY IN ACCORDANCE WITH ARUN DISTRICT COUNCIL COMMENTS	27.04.18
P5	AB	GW	SURFACE WATER SYSTEM UPDATED TO OMIT STORM PUMP SYSTEM FOLLOWING COMMENTS BY ARUN DISTRICT COUNCIL	20.04.18
P4	AB	GW	SOAKAWAY & FOUL WATER ATTENUATION REPOSITIONED	09.03.18
P3	AB	GW	SURFACE WATER RISING MAIN ROUTE AMENDED	06.03.18
P2	AB	GW	ISSUED FOR PLANNING CONDITION SIGN OFF	06.03.18
P1	AB	GW	ISSUED FOR INFORMATION	24.10.17
Rev	Drawn	Checked	Description	Date

Client
P&R CONSTRUCTION LTD

Project
WALBERTON PLACE CARE HOME ARUNDEL

Title
PROPOSED DRAINAGE & EXTERNAL WORKS LAYOUT (SHEET 2 OF 2)

HWA

CONSULTING ENGINEERS

Howard Ward Associates LLP

Brewery House, Walkers Yard

Nottingham NG12 2FF

Tel: 0115 933 2838

Scale 1:125 Size A1 Drawn AB Checked GW

Drawing status
PLANNING

Project no. Drawing no. Rev
P16-063 402 P7

F.F.L. 14.200