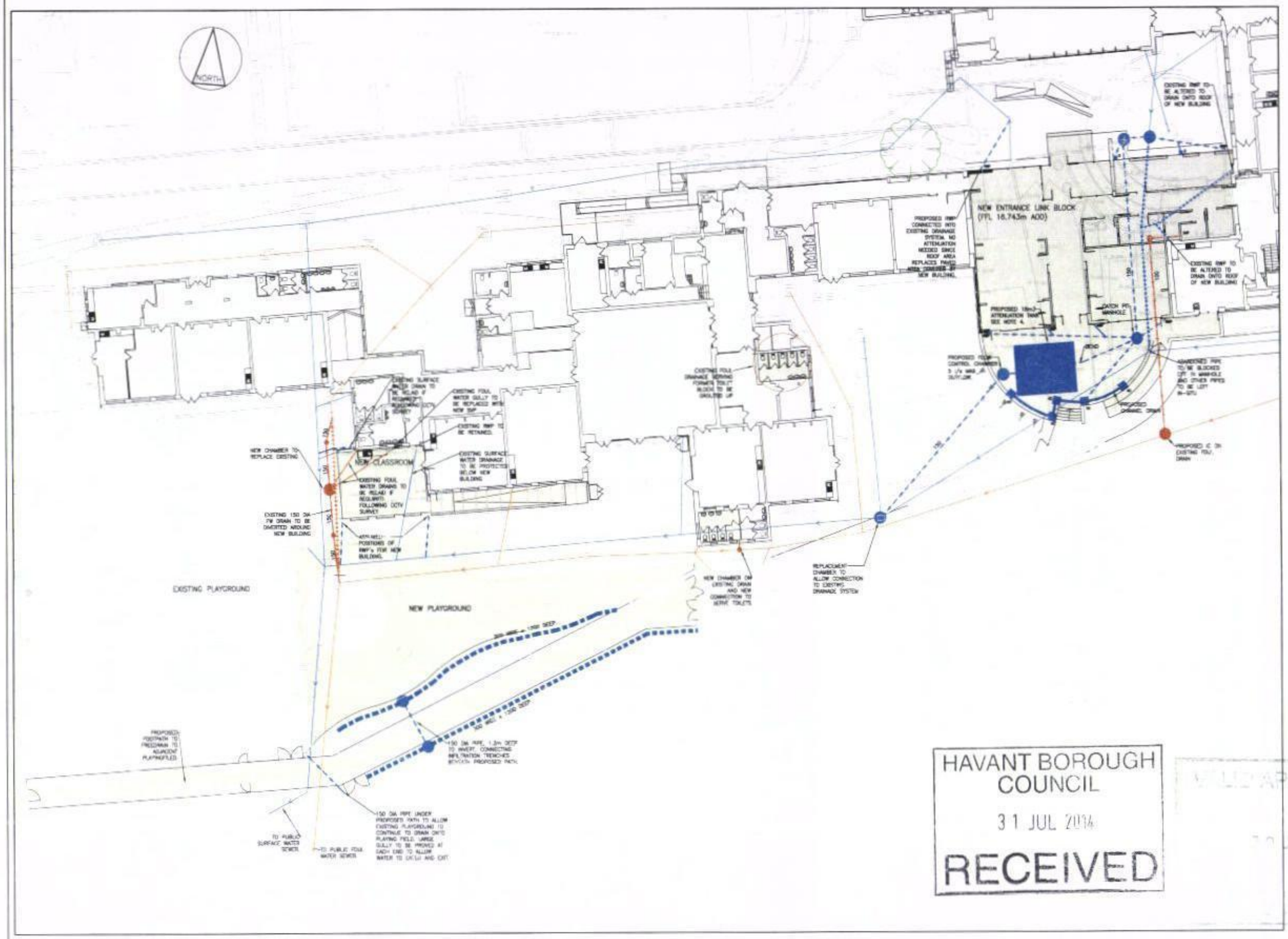


NOTES

1. DO NOT SCALE FROM THIS DRAWING
2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
3. THE ATTENUATION TANK AND INFILTRATION TRENCHES HAVE BEEN SIZED USING THE SOURCE CONTROL MODULE OF THE MICRODRAINAGE COMPUTER PROGRAM.
4. THE ATTENUATION TANK HAS BEEN DESIGNED TO A 1 IN 30 YEAR WITH A 30% ALLOWANCE FOR CLIMATE CHANGE. THE OUTFLOW FROM THE TANK WOULD BE LIMITED TO THE EXISTING 1 IN 1 YEAR FLOW FROM THE EXISTING PAVED AND ROOF AREAS. THIS HAS BEEN ASSESSED AS 5.4 l/s BUT SEE NOTES 6 AND 7.
5. EXCESS FLOWS RESULTING FROM STORMS MORE SEVERE THAN 1 in 30 YEARS WOULD BE DESIGNED TO OVERFLOW AWAY FROM BUILDINGS. THE OVERFLOW RESULTING FROM A 1 in 100 YEAR RETURN PERIOD STORM IS PREDICTED TO BE 6.2m3 AND THIS IS ANTICIPATED TO BE ALLOWED TO SOAK INTO THE PLAYING FIELD.
6. THE SURFACE WATER FLOW FROM THE SINGLE NEW CLASSROOM IS PROPOSED TO DRAIN WITHOUT ATTENUATION TO THE EXISTING SURFACE WATER DRAINAGE SYSTEM, SEE NOTE 7.
7. THE PEAK FLOW FROM 6 IS ESTIMATED TO BE 0.9 l/s AND THE OUTFLOW FROM THE ATTENUATION TANK HAS BEEN REDUCED BY A CORRESPONDING AMOUNT TO COMPENSATE FOR THIS. THE PEAK OUTFLOW FROM FROM THE ATTENUATION TANK WOULD THEREFORE BE 5.4 – 0.9 = 4.5 l/s. DUE TO PRACTICAL CONSIDERATIONS THIS HAS BEEN ROUNDED TO 5.0 l/s.
8. THE INFILTRATION TRENCHES DRAIN AREAS OF BOTH EXISTING AND PROPOSED PLAYGROUND. THE EXISTING PLAYGROUND AREA HAS NO FORMAL DRAINAGE BUT DRAINS ONTO THE ADJACENT PLAYING FIELD. THE INFILTRATION TRENCH HAS BEEN DESIGNED TO DRAIN THE NEW PAVED AREA FOR A 1 IN 1 YEAR LEVEL OF PROTECTION. IT IS ANTICIPATED THAT FLOWS IN EXCESS OF THIS WOULD FLOW ONTO THE PLAYING FIELD AND WOULD SOAK AWAY.
9. THE SURFACE WATER RUN-OFF FROM THE EXISTING LARGE PLAYGROUND AREA CURRENTLY COLLECTS AT THE LOW POINT AND DRAINS ONTO THE PLAYING FIELD. THIS IS PROPOSED TO CONTINUE BUT SINCE A NEW PEDESTRIAN PATH IS PROPOSED TO BE INSTALLED ACROSS THIS FLOW PATH A DRAIN IS PROPOSED UNDER THE PEDESTRIAN PATH.

KEY

PROPOSED BUILDING WORK AND ASSOCIATED PAVING

EXISTING FOUL WATER DRAIN

EXISTING SURFACE WATER DRAIN

SURFACE WATER DRAIN TO BE ABANDONED

PROPOSED FOUL WATER DRAIN WITH PIPE DIAMETER AND MANHOLE

PROPOSED SURFACE WATER DRAIN WITH PIPE DIAMETER AND MANHOLE

PROPOSED INFILTRATION TRENCH

PROPOSED CHANNEL DRAIN (WITH SUMP (SD) AND ACCESS UNIT (AC))

RWP RAIN WATER PIPE

SVP SOIL AND VENT PIPE

GULLY

EXISTING SPOT HEIGHT (in AOD)

HAVANT BOROUGH COUNCIL
31 JUL 2014
RECEIVED

VALID APPLICATION
31 JUL 2014

PLANNING

REV	AMENDMENT	DATE	DRAWN	CHKD	APPD

CLIENT: HAMSHIRE COUNTY COUNCIL
PROPERTY SERVICES

CONSULTANT: Hampshire County Council Engineering Consultancy
STUART JARVIS BSc DipTP FCMT MRTPI DIRECTOR OF ECONOMY, TRANSPORT & ENVIRONMENT

DRAWN	JB
CAD	JB
CHECKED	SF
APPROVED	DR
SCHEME	RIDERS INFANT & JUNIOR SCHOOLS EXPANSION FROM 2FE to 3FE
JOB No.	RJ509982
SCALE @ A1	1:200
DATE	24.07.14
SHEET No.	
DRAWING TITLE	PRELIMINARY DRAINAGE LAYOUT
DRG No.	EC/RJ509982/501
REV	–