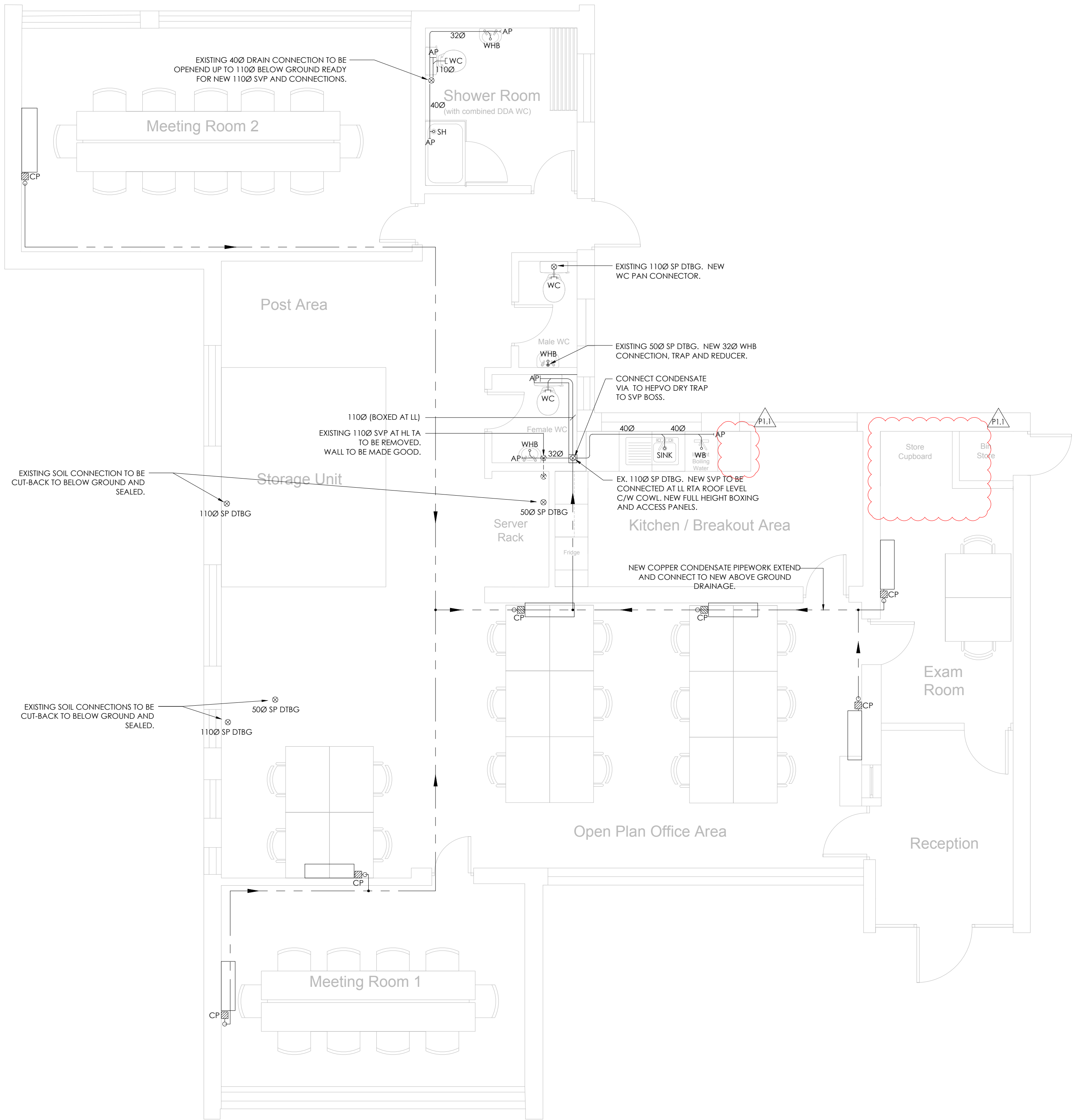


SHRUB END CLINIC, COLCHESTER



1 PROPOSED ABOVE GROUND DRAINAGE LAYOUT  
Scale : 1:50

PROPOSED ABOVE GROUND DRAINAGE LAYOUT

W:\2.0 NEW PROJECTS\2017\P17-1321 SHRUB END CLINIC, COLCHESTER\1.0 BUILDING SERVICES\P17-1321-SHRUB END - ABOVE GROUND DRAINAGE

CONDENSATE PUMP

- WASH HAND BASIN TO INCLUDE - 320 WHITE PVC WASTE CONNECTION WITH BOTTLE TRAP AND ANTI-SYPHON VALVE.
- SHOWER TO INCLUDE - 400 WHITE PVC WASTE CONNECTION WITH SHALLOW TRAP.
- SINK TO INCLUDE - 400 WHITE PVC WASTER CONNECTION WITH P-TRAP.
- WC TO INCLUDE - 1100 WHITE PVC WASTE WITH PAN CONNECTION TO SUIT WC TYPE.
- DISHWASHER TO INCLUDE - 400 WHITE PVC WASTE CONNECTION WITH TUBULAR TRAP.
- CONDENSE DISCHARGE TO INCLUDE - 400 WHITE PVC WASTE CONNECTION WITH HEPWORTH H20 WATERLESS TRAP AND TUNDISH.

NOTES:

- DRAINAGE DESIGN BASED ON BS EN 12056-2:2000 FOR DRAINAGE UNITS (SYSTEM III), FREQUENCY OF USE AND FLOW RATE CALCULATIONS.
- DRAINAGE TO BE INSTALLED TO BS EN 12056-2:2000 AND BUILDING REGULATIONS PART H: DRAINAGE AND WASTE DISPOSAL.
- ABOVE GROUND DRAINAGE PIPEWORK TO BE MARLEY PUSH FIT OR EQUAL AND APPROVED.
- FIRE COLLARS AND/OR PIPEWRAP WHERE SERVICES PENETRATE COMPARTMENT WALLS. CONTRACTOR TO CONSULT ARCHITECT FOR LOCATIONS FOR FIRE COMPARTMENT WALLS.

STANDARDS AND REGULATIONS

- BS EN 1329-1: 2014 - PLASTICS PIPING SYSTEMS FOR SOIL AND WASTE DISCHARGE (LOW AND HIGH TEMPERATURE) WITHIN THE BUILDING STRUCTURE - PVCU.
- BS EN 1451-1: 2000 - PLASTICS PIPING SYSTEMS FOR SOIL AND WASTE DISCHARGE (LOW AND HIGH TEMPERATURE) WITHIN THE BUILDING STRUCTURE - POLYPROPYLENE.
- BS EN 1519-1: 2000 - PLASTICS PIPING SYSTEMS FOR SOIL AND WASTE DISCHARGE (LOW AND HIGH TEMPERATURE) WITHIN THE BUILDING STRUCTURE - POLYETHYLENE.
- BS 4514: 2001 - SPECIFICATION FOR PVCU SOIL AND VENTILATING PIPES, FITTINGS AND ACCESSORIES.
- BS EN 1566-1: 2000 - SPECIFICATION FOR THERMOPLASTICS WASTE PIPE AND FITTINGS.
- BS 5255: 1989 - SPECIFICATION FOR THERMOPLASTICS WASTE PIPE AND FITTINGS.
- BS 5627: 1984 - SPECIFICATION FOR PLASTICS CONNECTORS FOR USE WITH HORIZONTAL OUTLET VITREOUS CHINA WC PANS.
- BS EN 14680: 2006 - SPECIFICATION FOR ADHESIVES FOR NON-PRESSURE THERMOPLASTICS PIPE SYSTEMS.
- BS EN 681-1: 1996 - ELASTOMERIC SEALS. MATERIAL REQUIREMENTS FOR PIPE JOINT SEALS USED IN WATER AND DRAINAGE APPLICATIONS. PART 1 VULCANISED RUBBER.
- BS EN ISO 9001: 2008 - QUALITY SYSTEMS. MODEL FOR QUALITY ASSURANCE IN DESIGN, DEVELOPMENT, PRODUCTION, INSTALLATION AND SERVICING.

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ALL DIMENSIONS TO BE CHECKED BEFORE SITE OR OFF-SITE FABRICATION BY THE CONTRACTOR, HIS SUB-CONTRACTOR OR SUPPLIER.

DO NOT SCALE PLANS - USE FIGURE OR GRID DIMENSIONS WHERE GIVEN. ANY DEVIATION FROM THE DRAWING IS TO BE REPORTED TO THE ORIGINATOR IMMEDIATELY.

STRUCTURE, STRUCTURAL MEMBERS & GEOTECHNICAL INVESTIGATIONS ARE TO BE CARRIED OUT & APPROVED BY THE APPOINTED STRUCTURAL ENGINEER. ANY DEVIATIONS TO THESE ELEMENTS ARE TO BE REPORTED TO THE APPOINTED CONSULTANT IMMEDIATELY.

IF IN DOUBT ASK !

NOTES:

DESIGNERS RESIDUAL HAZARDS MECHANICAL, ELECTRICAL & PUBLIC HEALTH		
IN ADDITION TO THE HAZARDS / RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, THE FOLLOWING DESIGNERS RESIDUAL HAZARDS HAVE BEEN IDENTIFIED AND SHOULD BE ADDRESSED/MANAGED BY THE CONTRACTOR. ANY HAZARDS THAT CANNOT BE ADDRESSED AND REMOVED SHALL BE CARRIED FORWARD AS PART OF THE HEALTH AND SAFETY HANDOVER DOCUMENTATION.		
	HAZARD	DESCRIPTION
1	N/A	N/A
2		
IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED RISK ASSESSMENT AND METHOD STATEMENT.		

P1.1	28/09/2017	CHANGES AS PER MCA REQUESTS	NGS	JDB
REV	DATE	DESCRIPTION	DRAWN	CHECKED

CLIENT  
MARITIME & COASTGUARD AGENCY

PROJECT  
SHRUB END CLINIC  
ICENI WAY  
COLCHESTER

DRAWING TITLE  
PROPOSED  
ABOVE GROUND DRAINAGE LAYOUT  
SHEET 01 OF 01

DATE	DESIGNED	DRAWN	CHECKED	SCALE(S)
08/08/2017	LE	SP	JDB	1:50,@A1

**create**  
CONSULTING ENGINEERS LTD

NORWICH  
LONDON  
15 PRINCES STREET,  
NORWICH,  
NORFOLK, NR3 1AF,  
TEL: 01603 877010

CHELMSFORD  
GLASGOW

DRAWING STATUS											
FOR TENDER											
PROJ	ORIG	ZONE	LEVEL	TYPE	ROLE	CLASS	PRESENT	NUMBER	STATUS	REVISION	
1321	CCE	00	GF	DR	P	50	P	0201	D2	P1.1	