

FILE LOCATION PATH: P:\PROJECTS\HOT\2925-PROJECT ECHO\004 BIM\CIVIL\DRAWINGS\2925-CIV-XX-XX-D-C-30001_DRAINAGE LAYOUT.DWG

HEALTH & SAFETY: THE WORKS SHALL BE CARRIED OUT BY SPECIALIST COMPETENT AND EXPERIENCED CONTRACTORS. ALL OPERATIVES SHALL HAVE RECEIVED FULL AND APPROPRIATE TRAINING WITH APPROPRIATE QUALIFICATIONS FOR THE OPERATIONS THEY ARE REQUIRED TO UNDERTAKE. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT HEALTH & SAFETY REGULATIONS.

DRAINAGE NOTES
ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER FOR ACTION PRIOR TO CONSTRUCTION.

ALL DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY AND IN CONJUNCTION WITH ALL RELEVANT BRITISH STANDARDS, CODES OF PRACTICE AND 'SEWERS FOR ADOPTION' 7TH EDITION AND ADDENDUMS AS APPROPRIATE.
ALL DRAINAGE SHALL COMPLY WITH THE TYPICAL DRAINAGE CONSTRUCTION DETAILS AND THE REQUIREMENTS OF BS EN 752.

ACCESS COVERS AND FRAMES SHALL COMPLY WITH THE LOADINGS SPECIFIED AND TO BS EN 124 AND KITEMARKED OR IF RECESSED COVERS ARE SPECIFIED THEN IN ACCORDANCE WITH FACTA ASSOCIATION EQUIVALENT.

ALL INTERNAL COVERS TO BE DOUBLE SEALED RECESSED COVERS TO ACCEPT PROPOSED FLOOR FINISHES.

THE PROPOSED BUILDING OUTLINES SHOWN ON THIS DRAWING ARE FOR INFORMATION ONLY. REFER TO ARCHITECTS PLANS FOR SETTING OUT INFORMATION AND DETAILS.

FOR SETTING OUT DIMENSIONS OF SS'S, SVP'S, RWP'S, FLOOR GULLY & OTHER DRAINAGE 'POP UP' LOCATIONS, REFER TO ARCHITECTS OR MECHANICAL & ELECTRICAL ENGINEERS DRAWINGS. LOCATION OF EXTERNAL CHANNEL DRAINS AND GULLY LOCATIONS / REQUIREMENTS TO BE CONFIRMED BY ARCHITECT. ALL DRAINAGE PIPEWORK SHOWN SHALL BE 100MM DIAMETER FOR FOUL AND 150MM FOR SURFACE WATER UNLESS NOTED OTHERWISE.

ALL DRAINAGE PIPEWORK SHALL BE LAID SOFFIT TO SOFFIT UNLESS NOTED OTHERWISE.

ALL UNDERSLAB DRAINAGE SHALL BE LAID AT GRADIENTS OF 1:80 MIN. FOR FOUL PIPEWORK AND 1:100 MIN. FOR SURFACE WATER UNLESS NOTED OTHERWISE. ALL UNDERSLAB DRAINAGE SHALL BE CLEAR OF FOUNDATIONS UNLESS SHOWN OTHERWISE.
ALL BENDS IN PIPEWORK TO BE AS LARGE A RADIUS AS POSSIBLE (EXCLUDING CONNECTIONS TO CHAMBERS) TO ENSURE FREE FLOW. SHORT RADIUS BENDS TO BE AGREED WITH DRAINAGE ENGINEER.

ALL SURFACE WATER DROP DOWN POSITIONS SHALL HAVE A BEND SET AT INVERT LEVEL NO GREATER THAN 1.3M BELOW FINISH FLOOR LEVEL.

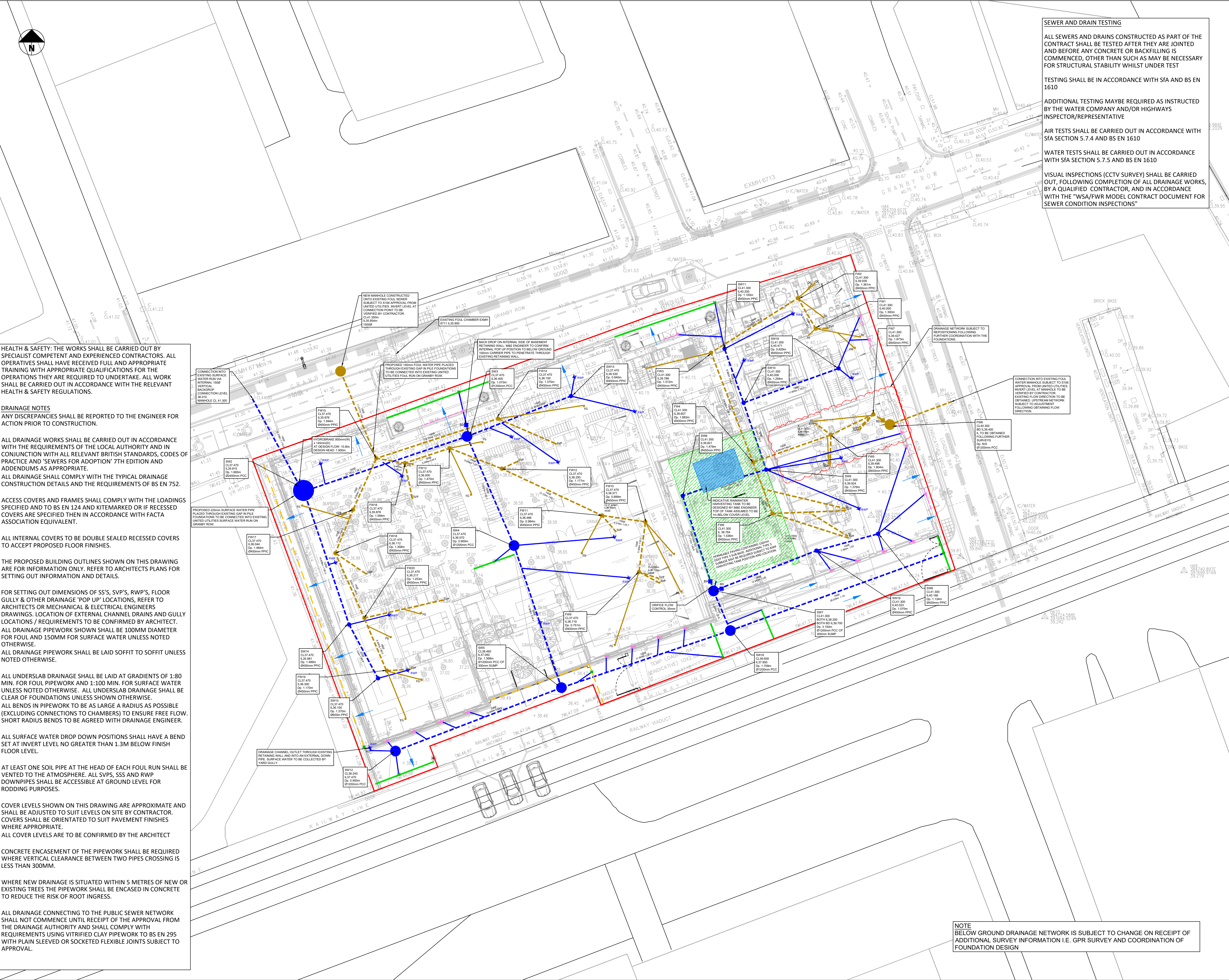
AT LEAST ONE SOIL PIPE AT THE HEAD OF EACH FOUL RUN SHALL BE VENTED TO THE ATMOSPHERE. ALL SVP'S, SSS AND RWP DOWNPIPES SHALL BE ACCESSIBLE AT GROUND LEVEL FOR RODDING PURPOSES.

COVER LEVELS SHOWN ON THIS DRAWING ARE APPROXIMATE AND SHALL BE ADJUSTED TO SUIT LEVELS ON SITE BY CONTRACTOR. COVERS SHALL BE ORIENTATED TO SUIT PAVEMENT FINISHES WHERE APPROPRIATE.
ALL COVER LEVELS ARE TO BE CONFIRMED BY THE ARCHITECT

CONCRETE ENCASUREMENT OF THE PIPEWORK SHALL BE REQUIRED WHERE VERTICAL CLEARANCE BETWEEN TWO PIPES CROSSING IS LESS THAN 300MM.

WHERE NEW DRAINAGE IS SITUATED WITHIN 5 METRES OF NEW OR EXISTING TREES THE PIPEWORK SHALL BE ENCASED IN CONCRETE TO REDUCE THE RISK OF ROOT INGRESS.

ALL DRAINAGE CONNECTING TO THE PUBLIC SEWER NETWORK SHALL NOT COMMENCE UNTIL RECEIPT OF THE APPROVAL FROM THE DRAINAGE AUTHORITY AND SHALL COMPLY WITH REQUIREMENTS USING VITRIFIED CLAY PIPEWORK TO BS EN 295 WITH PLAIN SLEEVED OR SOCKETED FLEXIBLE JOINTS SUBJECT TO APPROVAL.



SEWER AND DRAIN TESTING
ALL SEWERS AND DRAINS CONSTRUCTED AS PART OF THE CONTRACT SHALL BE TESTED AFTER THEY ARE JOINED AND BEFORE ANY CONCRETE OR BACKFILLING IS COMMENCED, OTHER THAN SUCH AS MAY BE NECESSARY FOR STRUCTURAL STABILITY WHILST UNDER TEST
TESTING SHALL BE IN ACCORDANCE WITH SFA AND BS EN 1610
ADDITIONAL TESTING MAYBE REQUIRED AS INSTRUCTED BY THE WATER COMPANY AND/OR HIGHWAYS INSPECTOR/REPRESENTATIVE
AIR TESTS SHALL BE CARRIED OUT IN ACCORDANCE WITH SFA SECTION 5.7.4 AND BS EN 1610
WATER TESTS SHALL BE CARRIED OUT IN ACCORDANCE WITH SFA SECTION 5.7.5 AND BS EN 1610
VISUAL INSPECTIONS (CCTV SURVEY) SHALL BE CARRIED OUT, FOLLOWING COMPLETION OF ALL DRAINAGE WORKS, BY A QUALIFIED CONTRACTOR, AND IN ACCORDANCE WITH THE "WSA/FWR MODEL CONTRACT DOCUMENT FOR SEWER CONDITION INSPECTIONS"

STANDARD NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND THE SPECIFICATIONS.

2. THIS DRAWING SHOULD NOT BE SCALED.

3. ALL DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR ON SITE.

4. ALL DISCREPANCIES SHOULD BE REPORTED TO C.A./E.A. PRIOR TO THE COMMENCEMENT OF WORKS.

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KEY

RED LINE BOUNDARY

RWP RAIN WATER PIPE

DC DRAINAGE CONNECTION

FG FLOOR GULLY

SS STUB STACK

SVP SOIL VENT PIPE

YG YARD GULLY

PROPOSED FOUL WATER MANHOLE/INSPECTION CHAMBER

PROPOSED FOUL WATER BRANCH PIPE, 100mmØ UNLESS STATED OTHERWISE

PROPOSED FOUL WATER PIPE, 150mmØ UNLESS STATED OTHERWISE

PROPOSED SURFACE WATER PIPE, 150mmØ UNLESS STATED OTHERWISE

PROPOSED SURFACE WATER BRANCH PIPE, 100mmØ UNLESS STATED OTHERWISE

PROPOSED SURFACE WATER INSPECTION CHAMBER

EXISTING COMBINED DRAINAGE TO BE RETAINED

ACO OUTLET SUMP UNIT

CHANNEL DRAIN

PERMEABLE PAVING WITH TYPE 3 SUB BASE PROVIDING ATTENUATION

FOUL WATER BACKDROP

SURFACE WATER BACKDROP

RAINWATER HARVESTING TANK

ACO MULTIDRAIN PPD - M100PPD 0.0J - WITH 1% SLOPE

THRESHOLD DRAINS

THRESHOLD OUTLET SUMP UNIT

OVERLAND FLOW ROUTE

25.09.23

P04

ISSUED FOR INFORMATION

TC

CK

05.09.23

P03

THRESHOLD DRAINS AND DRAINAGE UPDATED

BW

CK

01.09.23

P02

DRAINAGE LAYOUT UPDATED

BW

TC

09.08.23

P01

ISSUED FOR STAGE 3

BW

CK

DATE

REV

DESCRIPTION

DRAWN

CHKD

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PROJECT

ECHO STREET

TITLE

DRAINAGE LAYOUT

DRAWING STATUS

INFORMATION

CE PROJECT No.

2925

SCALE @ A1

1:200

DATE CREATED

AUG'23

DRAWN

BW

CHECKED

CK

DRAWING No.

2925-CIV-XX-XX-D-C-30001

REV

P04

NOTE
BELOW GROUND DRAINAGE NETWORK IS SUBJECT TO CHANGE ON RECEIPT OF ADDITIONAL SURVEY INFORMATION I.E. GPR SURVEY AND COORDINATION OF FOUNDATION DESIGN