existing flange to be identified and mating flange obtained as connector to new galv main.

new main to set down on 45° bends here and line up with existing main

50 plugged IV installed on main as sterilisation ens of new installation. Connection could be used for future draw off.

new main run on existing support

CONNECT TO EXISTING

new main through fire wall

new main run on existing support

NEW MAIN IN SUBWAY

new main below existing pipework

new main run along wall to drop position

MAIN BEHIND A/C CASSETTE

new main drop

new main enter ground

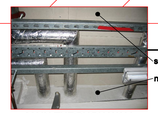
excavate to expose main to confirm size

CONCORDE MAIN

EXIT ONLY HATCH/DOOR
CONCORDE HOUSE

new main route is if concorde main is 50mm or smaller. If larger runs at high level ramp on pipe track and connect to new main running at the side of the conveyor

SUBWAY



set down after trays

new main through wall

MAIN THROUGH WALL

conveyor sections comes away on wheels but puts 3rd out of gauge out of service

existing valves Remove or Abandon Discuss with airport team

EXISTING VALVES

main pass through wall

main drop 400mm

main at high level

main pass behind column

MAIN RUN AT HIGH LEVEL BY CONVEYOR

airside / landside barrier propose leave in tact and dig under. Discuss with security

main rise out of ground

MAIN OUT OF GROUND

remove bike storage for underground works then re-instate

excavate to expose main

WORK AREA

condenser may require removal for works area - Discuss

airside / landside barrier propose leave in tact and dig under. Discuss with security

excavate trench for new main

CONDENSER

100

100

100

IV

150mm

run above existing see picture

150

150mm

run above existing see picture

150

150mm

SUBWAY

SUBWAY

SUBWAY

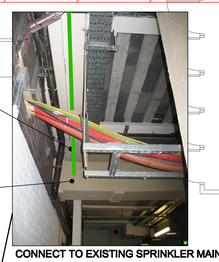
MECHANICAL PLANTROOM

TRANSFORMERS

MAIN ELECTRICAL SWITCHROOM

new main run

STRIP OFF VICUCLAD



CONNECT TO EXISTING SPRINKLER MAIN

srtip off vicuclad to expose main and nearest flange

mains protection as part of new riser project

Remove existing if practical if not leave and mark as redundant for future strip out.

HIGH LEVEL VICUCLAD

150

connect to existing where suitable

VICUCLAD

150 RISE
650 TO MEZZ LEVEL

150mm SPRINKLER MAIN TO ABOVE

150mm SPRINKLER MAIN TO ABOVE

150mm SPRINKLER MAIN TO ABOVE

150mm SPRINKLER MAIN TO ABOVE

new main drop from high level

new main run through tunnel on existing supports

SUBWAY

set up over duct and tight to beam

150mm drop before drainage to match height of existing

mains protection as part of new riser project

50mm drop to existing

SUBWAY

LEVEL 1

connect to existing 0valves and meter

tight to beam

Ç 2200 affl

150 rise

NRV with pressure gauage & test valve

sluice valve

between trays

sprinkler protection to water main only

main drops into floor duct to subway

IV DCV

u/s 2638 affl

a/c unit

soffit 3340 affl

u/s beams 3014 affl

ramp down 150mm on 90° & 45° bends

drop 200

water main drop to floor

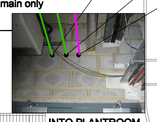
Groundworks trench to expose existing main and trench for new main.

Main size will become known when the underground pipe is exposed

Trench length will be to suit device to halt flow during changeover (to be confirmed by specialist)

Ç 2470 affl

100 cable tray u/s 2681 affl



concorde main

new water main

sprinkler pipe

INTO PLANTROOM

Note: new pipes pass over vivid machine

new main sprinkler pipe

OVER DUCT

top of duct 2604 affl

top of light 2760 affl

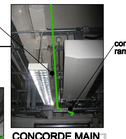
rise

Ç 2780 affl

set down 45°

Ç 3150 affl

main comes through here



concorde main

concorde main through wall ramp down between bends

CONCORDE MAIN

panels

AVOID PANELS

main sets this way to avoid panels

main set away from wall to avoid electrical cabinets

Note: pipe hole to be cut from this side

set out dim to miss light & duct support

electrical wall cabinets

Ç main 2350 affl

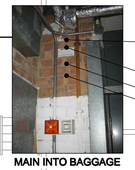
32 rise 400mm

25mm earth tape to be moved

20mm conduit to remain

sprinkler above water main (shown thus for clarity)

New 150 main drop 400mm



220mm gap for main should be sufficient if not move earth tape

sprinkler pipe above

main comes through here

cut hole from this side to miss conduit

MAIN INTO BAGGAGE

sprinkler above water main (shown thus for clarity)

sprinkler protection to water main only

Proposal is not to have IV until after sprinkler main connection. To be confirmed with Water Authority

main passes 10mm behind column

Ç main 2750 affl

50mm plugged drain / sterilisation point of new main

20mm remote test valve cables on vertical tray

New connection to be detailed after exposing existing main

New 150 main rise inside building line

New 150 main rise from below ground

20 conduit

Groundworks trench to expose existing main and trench for new main.

This wall is an airside landside boundary will have to be moved for groundworks

New 150 main in trench

Trench length will be to suit device to halt flow during changeover (to be confirmed by specialist)

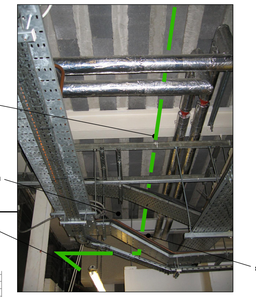
floor mounted a/c condenser unit 1581 top above floor (Remove for ground works ???)

Existing underground water main

Existing underground water main

bike storage

bike storage



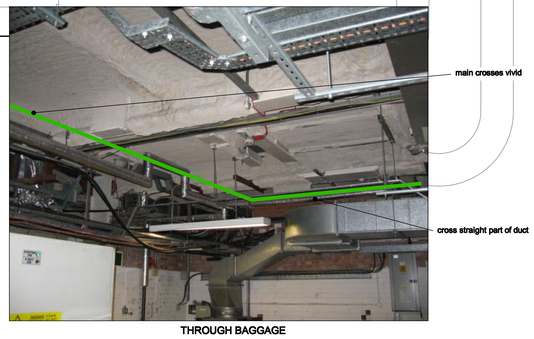
new main run

main sets back to electrical room

new main passes behind duct

sprinkler pipe passes over duct tight to beam

MAIN OUTSIDE ELECTRICAL PLANTROOM



main crosses vivid

cross straight part of duct

THROUGH BAGGAGE

150 RISE
2440 TO MEZZ LEVEL

VACANT

GOODS SCREENING

GOODS LIFT

STAIR 1

NUANCE

BONDED CORRIDOR

BAGGAGE CONVEYO