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DO NOT SCALE THIS DRAWING.

HEALTH AND SAFETY INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING

CONSTRUCTION.

- WORKS WITHIN POTENTIAL CONFINED SPACE CONDITIONS
- WORKS IN PROXIMITY TO LIVE SERVICES
- WORKS INTERFACE WITH THE PUBLIC ON MILLER STREET

MAINTENANCE/CLEANING/OPERATION.

- WORKS WITHIN POTENTIAL CONFINED SPACE CONDITIONS
- WORKS IN PROXIMITY TO LIVE SERVICES
- WORKS INTERFACE WITH THE PUBLIC ON MILLER STREET

DECOMMISSIONING/DEMOLITION.

- WORKS WITHIN POTENTIAL CONFINED SPACE CONDITIONS
- WORKS IN PROXIMITY TO LIVE SERVICES
- WORKS INTERFACE WITH THE PUBLIC ON MILLER STREET

4 ANGEL SQUARE

1 ANGEL SQUARE
EXISTING BUILDING AND FOUNDATIONS

DANTZIC STREET

MILLER STREET

PROPOSED DRAINAGE TO BE COORDINATED WITH EXISTING AND PROPOSED STATIC / AUTOMATIC BOLLARDS, UTILITIES AND FOUNDATIONS

ADDITIONAL INVESTIGATION (TRIAL PIT) REQUIRED TO ENSURE NO CLASHES WITH UTILITIES IN THIS AREA

ALLOWANCE TO BE MADE FOR NEW MANHOLE IF PROPOSED CONNECTION CANNOT BE FITTED WITHIN EXISTING MANHOLE

END OF 150mm EXISTING SLOT DRAIN LINE AS PER BAM AS-BUILT DRAWING - HEREIN PROPOSED 150mm SLOT DRAIN FOR EXISTING CATCHMENTS FROM DANTZIC STREET

EXISTING ACCESS BOX LOCATION TO BE USED FOR PROPOSED OUTLET TO SURFACE WATER DRAINAGE NETWORK FOR EXISTING 150mm SLOT DRAIN SUBJECT TO CONFIRMATION ON EXISTING CHAMBER

LOCATION OF EXISTING SURFACE WATER ATTENUATION TANK (6.05m x 6.05m x 1.30m) TAKEN FROM BAM AS-BUILT PHASE 1B DRAINAGE DRAWING. INTRUSIVE SURVEY REQUIRED TO ASSESS IF TANK IS SUITABLE FOR REUSE FOR PROPOSED SURFACE WATER STORAGE OR TO BE RETAINED IN SITU

LOCATION OF EXISTING REDUNDANT IRRIGATION TANK (8.05m x 6.55m x 1.55m) FROM BAM PHASE 1B AS-BUILT DRAINAGE DRAWING - TO BE DECOMMISSIONED AND REMOVED

FOUL WATER DRAINAGE STUB FOR PROPOSED FUTURE CONNECTION TO BUILDING

FOUL WATER DRAINAGE CONNECTION FROM PLANT ROOM TO BE CONFIRMED BY WATER FOUNTAIN MANUFACTURER

PROPOSED PPIC CHAMBER TO BE CONSTRUCTED ON LINE OF EXISTING OUTLET PIPE FROM 150mm SLOT DRAIN TO AVOID WORKS OVER CONSTRAINED HIGHWAY UTILITIES - SUBJECT TO DEPTH TO BE CONFIRMED BY ON-SITE SURVEY

RETAIN EXISTING 150mm SLOT DRAIN AND OUTLET BOX SUBJECT TO CONFIRMATION OF REMEDIATION WORKS TO BE CONFIRMED BY CONTRACTOR

RETAIN EXISTING 100mm SLOT DRAIN - SUBJECT TO CONFIRMATION OF REMEDIATION WORKS TO BE CONFIRMED BY CONTRACTOR

SW MH-7.0 CL= 39.676

EX-MH01
CL= 39.903
SURFACE WATER CONNECTION @ IL 36.732 (Ø225)
FOUL WATER CONNECTION @ IL 36.807 (Ø150)

SW MH-7.1 CL= 39.945

SW MH-8.0 CL= 39.938

FW MH-1.0 CL= 40.076

SW MH-5.1 CL= 41.553

SW MH-7.2 CL= 40.100

SW MH-1.7 CL= 40.063

DETAIL AND PROXIMITY TO NOMA TREE AND TREE PIT TO BE COORDINATED

SW MH-5.0 CL= 41.598

SW MH-5.2 CL= 40.297

ATTENUATION TANK
IL 36.945 m
DEPTH: 1.22m (2 LAYERS ACO STORMBRIXX HD)
VOLUME: 92 m³
AREA: 80m²
DISCHARGE: 25.3 l/s (SW MH-1.7)

OUTLET IL = 36.945 (Ø225)
INLET IL = 36.945 (Ø150)

IL = 37.765 (Ø225)

SW MH-6.0 CL= 42.258

SW MH-1.0 CL= 42.846

SW MH-1.6 CL= 40.241

SW MH-1.2 CL= 42.320

SW MH-1.1 CL= 42.342

FW MH-1.1 CL= 40.093

SW MH-1.5 CL= 40.361

SW MH-1.3 CL= 41.762

SW MH-4.0 CL= 39.834

SW MH-1.4 CL= 40.935

SW MH-4.2 CL= 40.450

SW MH-2.0 CL= 41.149

SW MH-3.0 CL= 40.997

SW MH-4.1 CL= 40.017

PERCOLATION TEST TO BE PERFORMED ON TREE PITS AND PLANTING AREAS WHERE INSUFFICIENT PERMEABILITY MIGHT BE AN ISSUE - AS PER PLANIT DRAWING No. 2962-PLA-XX-XX-DR-L-6000 TO DETERMINE REQUIREMENT FOR DRAINAGE TO BASE

EXTENT OF ADOPTED HIGHWAY BOUNDARY TO BE CONFIRMED. WORKS WITHIN ADOPTED HIGHWAY SUBJECT TO CONSULTATION AND RELEVANT APPROVALS FROM HIGHWAY AUTHORITY.

10 5 0 10
SCALE BEFORE REDUCTION
1 : 200

N

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, DETAILS AND SPECIFICATIONS.
3. THIS DESIGN HAS BEEN BASE ON THE FOLLOWING DRAWINGS AND INFORMATION:
   - ARCHITECT'S PLAN 2962-PLA-XX-XX-DR-L-3000 RECEIVED FROM PLANIT ON 13/07/2023
   - TOPOGRAPHICAL SURVEY RECEIVED 13/07/2022
   - 1 ANGEL SQUARE AS BUILT DRAINAGE DRAWING C300 PRODUCED BY BURO HAPPOLD DATED 31/08/2011
   - PHASE 1B / 2 SERVICES AS-BUILT INFORMATION RECIEVED FROM BAM ON 26/06/2023
4. PRIOR TO THE COMMENCEMENT OF WORK THE LOCATION, SIZE AND DEPTH OF ALL EXISTING DRAINAGE AND SERVICES SHALL BE ESTABLISHED BY THE CONTRACTOR. ANY DISCREPANCIED FROM THE INFORMATION SHOWN ON THESE DRAWINGS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
5. THE CONTRACTOR SHALL ALLOW FOR THE PROTECTION, TEMPORARY AND PERMANENT SUPPORT AND DIVERSION WORKS AS NECESSARY, TO ALL EXISTING SERVICES TO THE SATISFACTION OF PUBLIC UTIITIES.
6. REFER TO DRAWING 0052681-BHE-XX-XX-DR-C-3800 FOR PROPOSED DRAINAGE MANHOLE SCHEDULES.
7. REFER TO DRAWING SERIES 0052681-BHE-XX-XX-DR-C-3700 FOR PROPOSED DRAINAGE DETAILS.

LEGEND

- SITE BOUNDARY
- ADOPTED HIGHWAY BOUNDARY
- SW MH — H=FLOW CONTROL, BD=BACKDROP — PROPOSED SURFACE WATER DRAINAGE AND MANHOLE WITH REFERENCE
- FW MH — BD=BACKDROP — PROPOSED FOUL WATER DRAINAGE AND MANHOLE WITH REFERENCE
- O= CHANNEL OUTLET, RODDING POINT = A — PROPOSED ACO MULTIDRAIN M150D 0.0 BRICKSLOT IN ACCORDANCE TO LANDSCAPE ARCHITECTS SPECIFICATIONS
- O= CHANNEL OUTLET, RODDING POINT = A — EXISTING 150mm BRICKSLOT CHANNEL DRAIN TO BE RETAINED
- O= CHANNEL OUTLET, RODDING POINT = A — EXISTING 100mm BRICKSLOT CHANNEL DRAIN TO BE RETAINED
- PROPOSED ATTENUATION TANK
- PROPOSED SUDS - RAIN GARDEN
- PROPOSED SOFT LANDSCAPING
- PROPOSED FUTURE BUILDING LOCATION
- EX-MH — EXISTING COMBINED WATER MANHOLE WITH REFERENCE
- PROPOSED LEVELS AND GRADIENTS
- EXISTING LEVELS AND GRADIENTS TO BE RETAINED

Rev	Description	Date	Iss'd	Rev'd	App'd
P02	ISSUED FOR STAGE 3+	25.08.2023	CR	DC	PT
P01	ISSUED FOR STAGE 3 COSTING	27.06.2023	CR	PT	PT

STAGE 3

Project Stage

INFORMATION

Status of Drawing

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Client *MEPC*
Architect *PLANIT-IE*
Project **ANGEL SQUARE PUBLIC REALM**
Drg Title PROPOSED DRAINAGE GENERAL ARRANGEMENT

Job No. 0052681
Scale@A1 1:200
Drawn/Designed By. CR
Checked By. PT
Approved By. PT
Drawing No. 0052681-BHE-XX-XX-DR-C-3100
Revision P02

Dated Cannot P 0052681 HOMA Angel Square Public Realm\08 Cities - Infra\01 Sheet\0052681-BHE-XX-XX-DR-C-3100_Drainage Layout.dwg