Project Management Initials:
Revision: C02
Designer: HR
Checked: CP
Approved: JScott
Drawn: KG
ISO A1 594mm x 841mm

SAFETY HEALTH AND ENVIRONMENT INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following risks and information.

Risks listed here are not exhaustive.
Refer to CDM Risk Assessment Register No.
LANG-ACM-ZZ-ZZ-RK-ZZ-000106.
The table includes significant risks associated with Frontage 4 with reference to the Risk Register included in brackets.

CONSTRUCTION

R1. Public Access and Egress (F4 C1, F4 C9)
R2. Working in Proximity to Existing and Abandoned Services (F4 C11, C13) including :
- SSEN LV Cables
- BT Openreach Undergound Telecomms
- BT Openreach Overhead Telecomms

R3. Encountering Unidentified Utilities
R4. Encountering Unexploded Ordnance
R5. Instability of Existing Structures (F4 C5, C8, C27)
R6. Buried Obstructions in the Foreshore (F4 C5, C6)
R7. Restricted Access to Landwards Side of Proposed Defence (F4 C8)
R8. Works in Close Proximity to Residential Properties (F4 C17)
R9. Works in Close Proximity to Trees (F4 C7) .
R10. Working Near Water (F4 C18, C19, C20)
R11. Restricted Tidal Access with Potential for Soft Foreshore(F3 C10)
R12. Telegraph Pole Stability (F4 C21)
R13. Encountering Unexpected Ground Conditions (F4 C22)
R14. Impact on Archaeology (F4 C25)
R15. Installation of Sheet Piles (F4 C24)
R16. Pausing of Works over Winter Periods (F4 C20)

OPERATIONS

O1. Access to Existing Services
O2. Compromise of Flood Defence
O3. Falls from Height
O4. Overtopping
O5. Serviceability of property wall
O6. Reduced Accessibility
O7. Blockage of surface water drainage.

MAINTENANCE

M1. Maintenance of Flood Gates

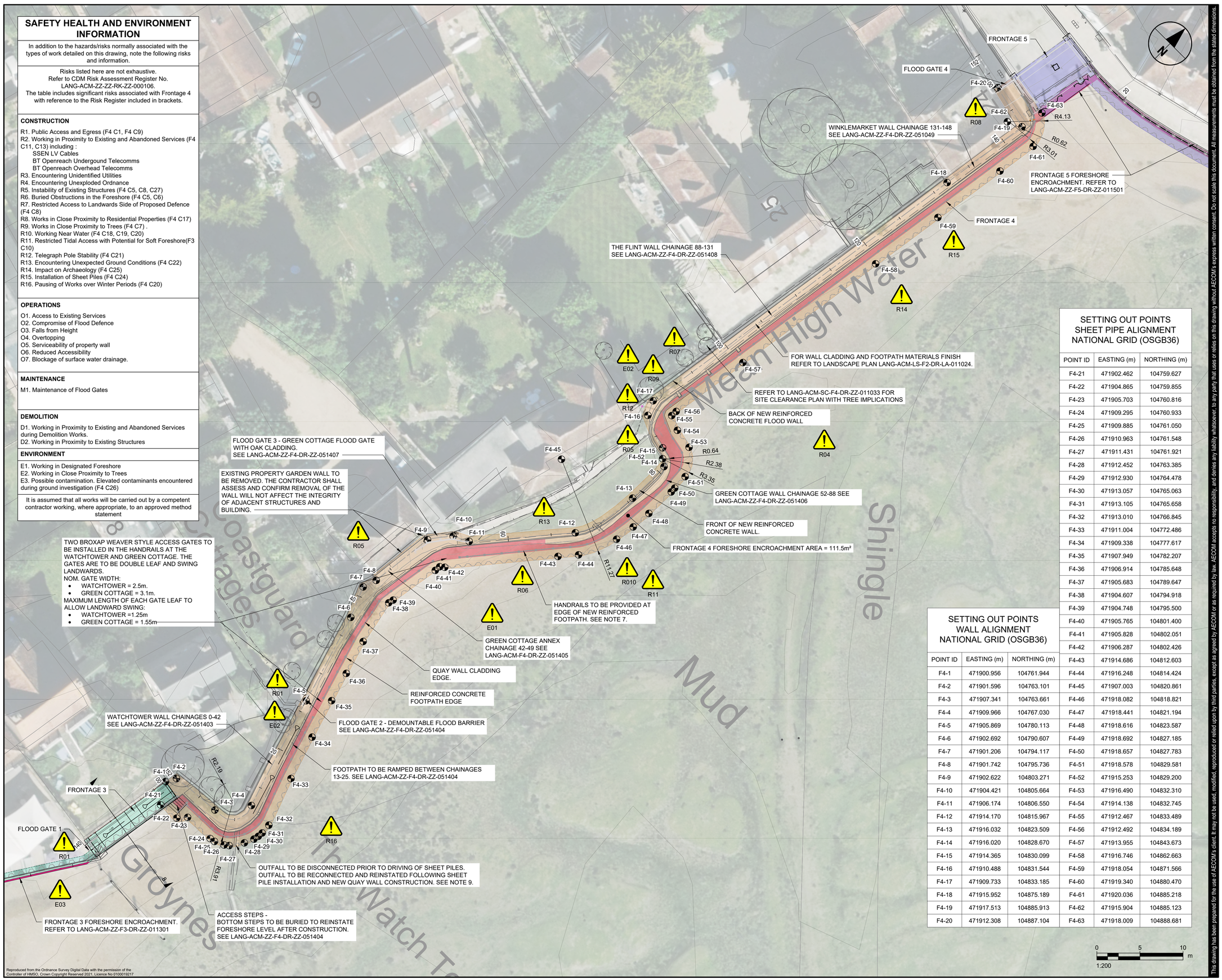
DEMOLITION

D1. Working in Proximity to Existing and Abandoned Services during Demolition Works.
D2. Working in Proximity to Existing Structures

ENVIRONMENT

E1. Working in Designated Foreshore
E2. Working in Close Proximity to Trees
E3. Possible contamination. Elevated contaminants encountered during ground investigation (F4 C26)

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement



SETTING OUT POINTS SHEET PIPE ALIGNMENT NATIONAL GRID (OSGB36)

POINT ID	EASTING (m)	NORTHING (m)
F4-21	471902.462	104759.627
F4-22	471904.865	104759.855
F4-23	471905.703	104760.816
F4-24	471909.295	104760.933
F4-25	471909.885	104761.050
F4-26	471910.963	104761.548
F4-27	471911.431	104761.921
F4-28	471912.452	104763.385
F4-29	471912.930	104764.478
F4-30	471913.057	104765.063
F4-31	471913.105	104765.658
F4-32	471913.010	104766.845
F4-33	471911.004	104772.486
F4-34	471909.338	104777.617
F4-35	471907.949	104782.207
F4-36	471906.914	104785.648
F4-37	471905.683	104789.647
F4-38	471904.607	104794.918
F4-39	471904.748	104795.500
F4-40	471905.765	104801.400
F4-41	471905.828	104802.051
F4-42	471906.287	104802.426
F4-43	471914.686	104812.603
F4-44	471916.248	104814.424
F4-45	471907.003	104820.861
F4-46	471918.082	104818.821
F4-47	471918.441	104821.194
F4-48	471918.616	104823.587
F4-49	471918.692	104827.185
F4-50	471918.657	104827.783
F4-51	471918.578	104829.581
F4-52	471915.253	104829.200
F4-53	471916.490	104832.310
F4-54	471914.138	104832.745
F4-55	471912.467	104833.489
F4-56	471912.492	104834.189
F4-57	471913.955	104843.673
F4-58	471916.746	104862.663
F4-59	471918.054	104871.566
F4-60	471919.340	104880.470
F4-61	471920.036	104885.218
F4-62	471915.904	104885.123
F4-63	471918.009	104888.681

SETTING OUT POINTS WALL ALIGNMENT NATIONAL GRID (OSGB36)

POINT ID	EASTING (m)	NORTHING (m)
F4-1	471900.956	104761.944
F4-2	471901.596	104763.101
F4-3	471907.341	104763.661
F4-4	471909.966	104767.030
F4-5	471905.869	104780.113
F4-6	471902.692	104790.607
F4-7	471901.206	104794.117
F4-8	471901.742	104795.736
F4-9	471902.622	104803.271
F4-10	471904.421	104805.664
F4-11	471906.174	104806.550
F4-12	471914.170	104815.967
F4-13	471916.032	104823.509
F4-14	471916.020	104828.670
F4-15	471914.365	104830.099
F4-16	471910.488	104831.544
F4-17	471909.733	104833.185
F4-18	471915.952	104875.189
F4-19	471917.513	104885.913
F4-20	471912.308	104887.104

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AECOM

PROJECT

Langstone Flood and Coastal Erosion Risk Management Scheme

CLIENT

HAVANT BOROUGH COUNCIL

CONSULTANT

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NOTES

GENERAL NOTES

1. THIS DOCUMENT IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION.
2. DO NOT SCALE FROM THIS DRAWING, USE ONLY PRINTED DIMENSIONS.
3. ALL DIMENSIONS IN MILLIMETRES, ALL CHAINAGES, LEVELS AND COORDINATES ARE IN METRES, UNLESS DEFINED OTHERWISE.
4. DEFENCE LENGTH/EXTENT SHOWN ARE APPROXIMATE. THE EXACT EXTENT OF THE TYPICAL CROSS SECTION IS TO BE CONFIRMED ON SITE WITH THE SUPERVISOR.
5. EXISTING PATH LEVELS VARIES ALONG DEFENCE LENGTH, AND BEACH LEVEL VARY SPATIALLY AND WITH TIME.
6. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRM (LANG-ACM-ZZ-ZZ-RK-ZZ-000106) FOR ANY IDENTIFIED POTENTIAL RISKS.
7. ALSO REFER TO DRAWINGS:
   MODEL CROSS SECTIONS - #031402
   TYPICAL CROSS SECTIONS - #051403 TO #051410
   SERVICES DIVERSION - #051411
   DRAINAGE - #011047 AND #021408

DRAWING SPECIFIC NOTES:

8. DEFENCE ALIGNMENT HAS BEEN DETERMINED FROM TOPOGRAPHICAL SURVEY AND LASER SCAN DATA PROVIDED BY COASTAL PARTNERS.
9. ALL EXISTING LAND DRAINAGE OUTFALLS SHALL BE IDENTIFIED PRIOR TO WORKS COMMENCING. OUTFALLS SHALL BE MAINTAINED OR PROVIDED WITH A FLAP VALVE TO ENSURE THAT CONTINUITY OF THE FLOOD DEFENCE IS MAINTAINED. REFER TO DRAWING #011049 FOR DETAILS. CONTRACTOR TO INSPECT AND DETERMINE CONDITION OF EXISTING OUTFALLS. CONTRACTOR TO REPAIR OR REPLACE DRAMAGED PIPE.
10. ALL EXISTING SERVICES ARE TO BE IDENTIFIED PRIOR TO WORKS COMMENCING. SERVICE INFORMATION IS SHOWN ON LANG-ACM-ZZ-F4-DR-ZZ-031402.
11. CONSTRUCTION WORKS ARE TO BE PAUSED OVER WINTER PERIODS. CONTRACTOR TO ENSURE STABILITY OF STRUCTURES AND CONTINUITY OF FLOOD DEFENCES OVER PERIODS WHERE WORK IS PAUSED, e.g BY PROVIDING TEMPORARY FLOOD BARRIERS.

LEGEND

PROPOSED SCHEME FOOTPRINT:
- Frontage 3
- Frontage 4
- Frontage 5
- Foreshore Encroachment Area

ISSUE/REVISION

P01	21/11/23	100% Detailed Design
P02	08/02/24	100% Detailed Design
C01	08/02/24	Construction Issue
P03	21/01/25	Design Update
C02	21/01/25	Design Update
I/R	DATE	DESCRIPTION

ISSUE PURPOSE / SUITABILITY

Detail Design Authorised/Accepted

KEY PLAN

PROJECT NUMBER

60656877

SHEET TITLE

FRONTAGE 4
GENERAL ARRANGEMENT

SHEET NUMBER

LANG-ACM-ZZ-F4-DR-ZZ-011401