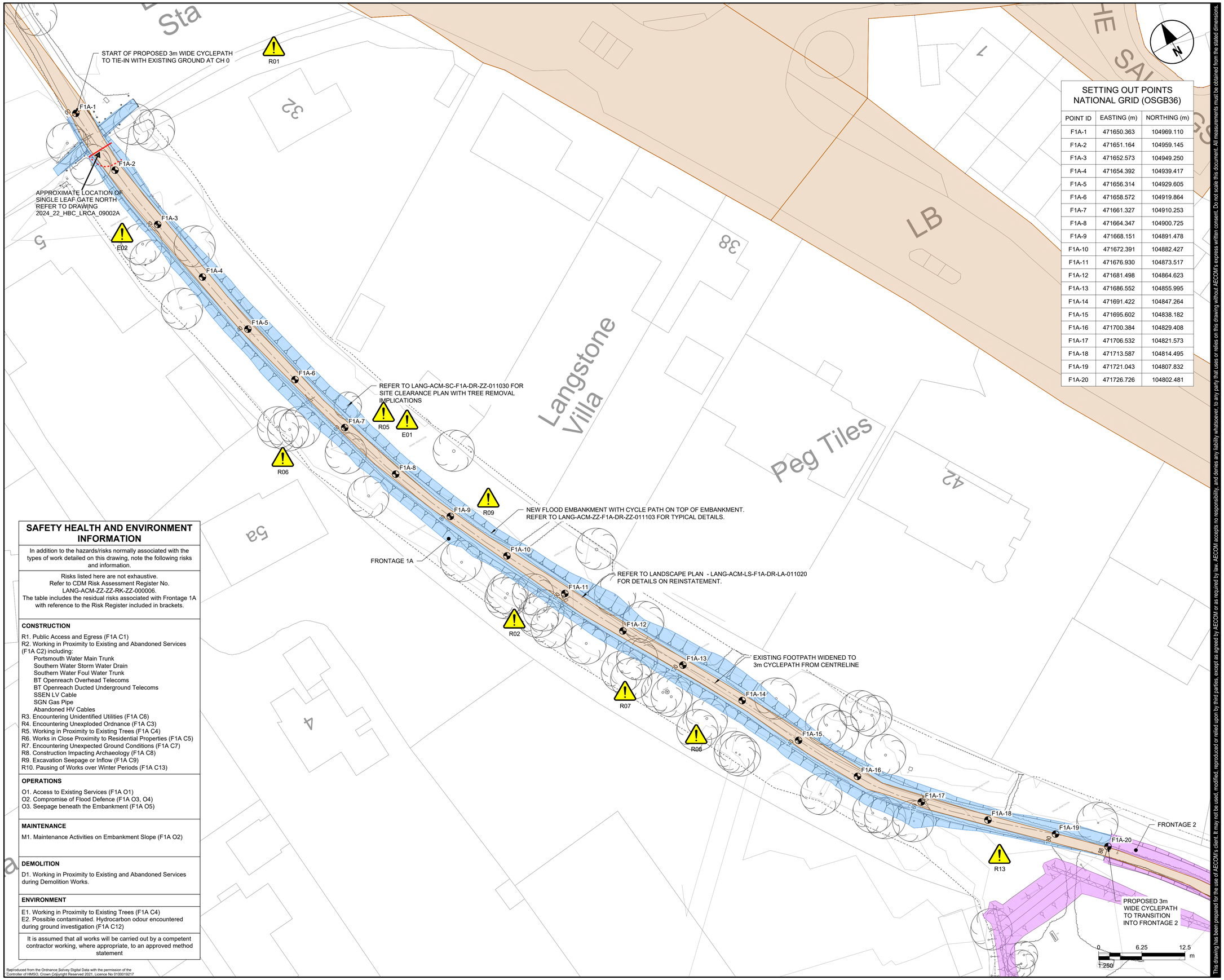
ISO A1 594mm x 841mm
Drawn: KG
Approved: JScott
Checked: CP
Designer: HR
H01
Project Management Initials:
Revision:



SETTING OUT POINTS NATIONAL GRID (OSGB36)

POINT ID	EASTING (m)	NORTHING (m)
F1A-1	471650.363	104969.110
F1A-2	471651.164	104959.145
F1A-3	471652.573	104949.250
F1A-4	471654.392	104939.417
F1A-5	471656.314	104929.605
F1A-6	471658.572	104919.864
F1A-7	471661.327	104910.253
F1A-8	471664.347	104900.725
F1A-9	471668.151	104891.478
F1A-10	471672.391	104882.427
F1A-11	471676.930	104873.517
F1A-12	471681.498	104864.623
F1A-13	471686.552	104855.995
F1A-14	471691.422	104847.264
F1A-15	471695.602	104838.182
F1A-16	471700.384	104829.408
F1A-17	471706.532	104821.573
F1A-18	471713.587	104814.495
F1A-19	471721.043	104807.832
F1A-20	471726.726	104802.481

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-000006.
The table includes the residual risks associated with Frontage 1A with reference to the Risk Register included in brackets.

CONSTRUCTION

R1. Public Access and Egress (F1A C1)
R2. Working in Proximity to Existing and Abandoned Services (F1A C2) including:
- Portsmouth Water Main Trunk
- Southern Water Storm Water Drain
- Southern Water Foul Water Trunk
- BT Openreach Overhead Telecoms
- BT Openreach Ducted Underground Telecoms
- SSEN LV Cable
- SGN Gas Pipe
- Abandoned HV Cables

R3. Encountering Unidentified Utilities (F1A C6)
R4. Encountering Unexploded Ordnance (F1A C3)
R5. Working in Proximity to Existing Trees (F1A C4)
R6. Works in Close Proximity to Residential Properties (F1A C5)
R7. Encountering Unexpected Ground Conditions (F1A C7)
R8. Construction Impacting Archaeology (F1A C8)
R9. Excavation Seepage or Inflow (F1A C9)
R10. Pausing of Works over Winter Periods (F1A C13)

OPERATIONS

O1. Access to Existing Services (F1A O1)
O2. Compromise of Flood Defence (F1A O3, O4)
O3. Seepage beneath the Embankment (F1A O5)

MAINTENANCE

M1. Maintenance Activities on Embankment Slope (F1A O2)

DEMOLITION

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

ENVIRONMENT

E1. Working in Proximity to Existing Trees (F1A C4)
E2. Possible contaminated. Hydrocarbon odour encountered during ground investigation (F1A C12)

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

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AECOM

PROJECT

Langstone Flood and Coastal Erosion Risk Management Scheme

CLIENT

HAVANT BOROUGH COUNCIL

CONSULTANT

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NOTES

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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:
   GENERAL ARRANGEMENT - #011101
   MODEL CROSS SECTIONS - #031102

DRAWING SPECIFIC NOTES
8. DEFENCE ALIGNMENT HAS BEEN DETERMINED FROM TOPOGRAPHICAL SURVEY AND LASER SCAN DATA PROVIDED BY COASTAL PARTNERS.
9. ALL EXISTING SERVICES ARE TO BE IDENTIFIED PRIOR TO WORKS COMMENCING.
10. 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 1A
- Frontage 2
- Adopted highway boundary

ISSUE/REVISION

H01	01/12/25	Adopted highway boundary for planning/s278
I/R	DATE	DESCRIPTION

ISSUE PURPOSE / SUITABILITY

Detail Design Authorised/Accepted

KEY PLAN



PROJECT NUMBER

60656877

SHEET TITLE

FRONTAGE 1A
GENERAL ARRANGEMENT (Highway Boundary)

SHEET NUMBER

LANG-ACM-ZZ-F1A-DR-ZZ-011101

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Project Management Initials:
Designer: MB
Checked: CP
Approved: JScott
Drawn: ZC
Revision: H01

EARTH EMBANKMENT AT CROSS OVER ABOVE SOUTHERN WATER ASSET. SEE DRAWING LANG-ACM-ZZ-F2-DR-ZZ-051204.

FRONTAGE 1A

PROPOSED 3m WIDE CYCLEPATH TO TRANSITION FROM FRONTAGE 1A

REFER TO LANG-ACM-SC-F2-DR-ZZ-011031 FOR SITE CLEARANCE PLAN WITH TREE IMPLICATIONS

EXISTING FOOTPATH TO BE WIDENED TO 3M FROM CURRENT FOOTPATH SEAWARD EDGE. SEE DRAWING LANG-ACM-ZZ-F2-DR-ZZ-051204.

SHEET PILE WALL ON SEAWARDS SIDE OF CYCLEPATH. SHEET PILE WALL TO BE BURIED. SEE DRAWING LANG-ACM-ZZ-F2-DR-ZZ-051204.

FILTER DRAIN ON SEAWARDS SIDE OF PATH. REFER TO LANG-ACM-SW-F2-DR-ZZ-011041.

SHEET PILE WALL ON SEAWARDS SIDE OF CYCLEPATH. SHEET PILE BURIED ON SEAWARDS SIDE OF THE PILE UP TO CHAINAGE 109. SEE DRAWING LANG-ACM-ZZ-F2-DR-ZZ-051204

REFER TO LANDSCAPE PLAN - LANG-ACM-LS-F2-DR-LA-011021 FOR DETAILS ON REINSTATEMENT.

FILTER DRAIN ON LANDWARDS SIDE OF PILE REFER TO LANG-ACM-SW-F2-DR-ZZ-011041.

EARTH EMBANKMENT AND RAISED CYCLEPATH AT CROSS OVER ABOVE PORTSMOUTH WATER ASSET. SEE DRAWING LANG-ACM-ZZ-F2-DR-ZZ-051205.

SHEET PILE WALL ON LANDWARDS SIDE OF CYCLEPATH. SHEET PILE WALL TO BE CLADDED ON SEAWARDS SIDE OF PILE. SEE DRAWING LANG-ACM-ZZ-F2-DR-ZZ-051204.

FOOTPATH TO BE BROUGHT IN LAND FROM CHAINAGE 100.00

FRONTAGE 2

CYCLE PATH RAISED OVER SHEET PILE WALL, SEE DRAWING LANG-ACM-ZZ-F2-DR-ZZ-051205.

APPROXIMATE LOCATION OFSINGLE LEAF SWING GATE SOUTHREFER TO DRAWING 2024_22_HBC_LRCA_PL_09002A

FRONTAGE 3

FILTER DRAIN ON SEAWARDS SIDE OF PILE REFER TO LANG-ACM-SW-F2-DR-ZZ-011041.

SHEET PILE WALL ON SEAWARDS SIDE OF CYCLEPATH. SHEET PILE WALL TO BE CLADDED ON BOTH SIDES OF PILE. SEE DRAWING LANG-ACM-ZZ-F2-DR-ZZ-051206.

EXISTING EARTH BUND

CYCLEPATH TO TIE INTO EXISTING FOOTPATH LEVELS

2M WIDE SECTION OF CYCLEPATH TO RUN BEHIND THE EXISTING BUS STOP. CYCLEPATH TO TIE IN WITH EXISTING PAVEMENT LEVELS.

R01 R03 R04 R05 R06 R07 R08 E01 E02

0 6.25 12.5 m
1:250

SETTING OUT POINTS NATIONAL GRID (OSGB36)

POINT ID	EASTING (m)	NORTHING (m)
F2-1	471725.980	104803.202
F2-2	471727.780	104801.312
F2-3	471737.531	104789.216
F2-4	471741.424	104784.292
F2-5	471746.230	104777.049
F2-6	471747.844	104774.217
F2-7	471748.356	104773.342
F2-8	471766.465	104752.933
F2-9	471768.944	104751.052
F2-10	471774.793	104746.616
F2-11	471778.338	104744.285
F2-12	471789.682	104737.878
F2-13	471812.894	104724.769
F2-14	471816.871	104722.907
F2-15	471818.381	104722.336
F2-16	471821.392	104721.198
F2-17	471835.482	104710.591
F2-18	471842.073	104703.951
F2-19	471852.870	104684.805
F2-20	471761.796	104750.252
F2-21	471764.882	104761.207
F2-22	471702.953	104789.567
F2-23	471707.754	104802.043
F2-24	471707.330	104799.506
F2-25	471719.860	104801.323
F2-29	471718.286	104803.671
F2-30	471739.630	104777.708
F2-31	471747.102	104767.577
F2-32	471755.286	104756.315
F2-33	471781.988	104745.365
F2-34	471780.473	104746.329
F2-35	471790.145	104740.373
F2-36	471818.191	104724.584
F2-37	471840.981	104686.345
F2-38	471849.067	104677.835
F2-39	471859.533	104679.587

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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 2 with reference to the Risk Register included in brackets.

CONSTRUCTION

R1. Public Access and Egress (F2 C1)
R2. Working in Proximity to Existing and Abandoned Services (F2 C2) including:
- Portsmouth Water Main Trunk (Vibration Sensitive)
- Southern Water Storm Water Drain (Vibration Sensitive)
- Abandoned HV Cables

R3. Encountering Unidentified Utilities
R4. Encountering Unexploded Ordnance (F2 C4)
R5. Works in Close Proximity to Residential Properties (F2 C5)
R6. Working Near Water (F2 C6, C7, C8)
R7. Restricted Tidal Access (F2 C6)
R8. Pausing of Works over WInter Periods (F2 C8)

OPERATIONS

O1. Access to Existing Services
O2. Compromise of Flood Defence
O3. Falls from Height
O4. Overtopping
O5. Localised seepage at interface to services
O6. Blockage of surface water drainage.

MAINTENANCE

M1. Maintenance of seawards side of defence

DEMOLITION

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

ENVIRONMENT

E1. Working in Proximity to Designated Saltmarsh (F2 C4)
E2. Invasive Species (Japanese Rose - *Rosa rugosa*) (F2 C4)

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

NOTES

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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 THE RISK REGISTER (LANG-ACM-ZZ-ZZ-RK-ZZ-000106) FOR ANY IDENTIFED POTENTIAL RISKS.
7. ALSO REFER TO DRAWINGS:
   MODEL CROSS SECTIONS - #031202 AND #031203.
   TYPICAL DETAILS - #051204 TO #051206.
   DRAINAGE - ##1041 TO ##1043

DRAWING SPECIFIC NOTES
8. DEFENCE ALIGNMENT DETERMINED FROM TOPOGRAPHICAL SURVEY AND LASER SCAN DATA PROVIDED BY COASTAL PARTNERS.
9. IDENTIFY ALL EXISTING DRAINAGE ACROSS FLOOD DEFENCE ALIGNMENT AND MAINTAIN OR PROVIDE FLAP VALVES TO ENSURE DRAINAGE IS MAINTAINED.
10. FORESHORE ENCROACHMENT DETERMINED USING SHAPEFILES PROVIDED BY COASTAL PARTNERS.
11. REFER TO SITE CLEARANCE PLAN FOR EXTENTS OF JAPANESE ROSE (*ROSA RUGOSA*)
12. 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 1A
- Frontage 2
- Frontage 3
- Adopted highway boundary

ISSUE/REVISION

H01	28/11/25	Adopted highway boundary for planning/s278
I/R	DATE	DESCRIPTION

ISSUE PURPOSE / SUITABILITY

Detail Design Authorised/Accepted

KEY PLAN



PROJECT NUMBER

60656877

SHEET TITLE

FRONTAGE 2
GENERAL ARRANGEMENT (Highway Boundary)

SHEET NUMBER

LANG-ACM-ZZ-F2-DR-ZZ-011201

AECOM

PROJECT

Langstone Flood and Coastal Erosion Risk Management Scheme

CLIENT

HAVANT BOROUGH COUNCIL

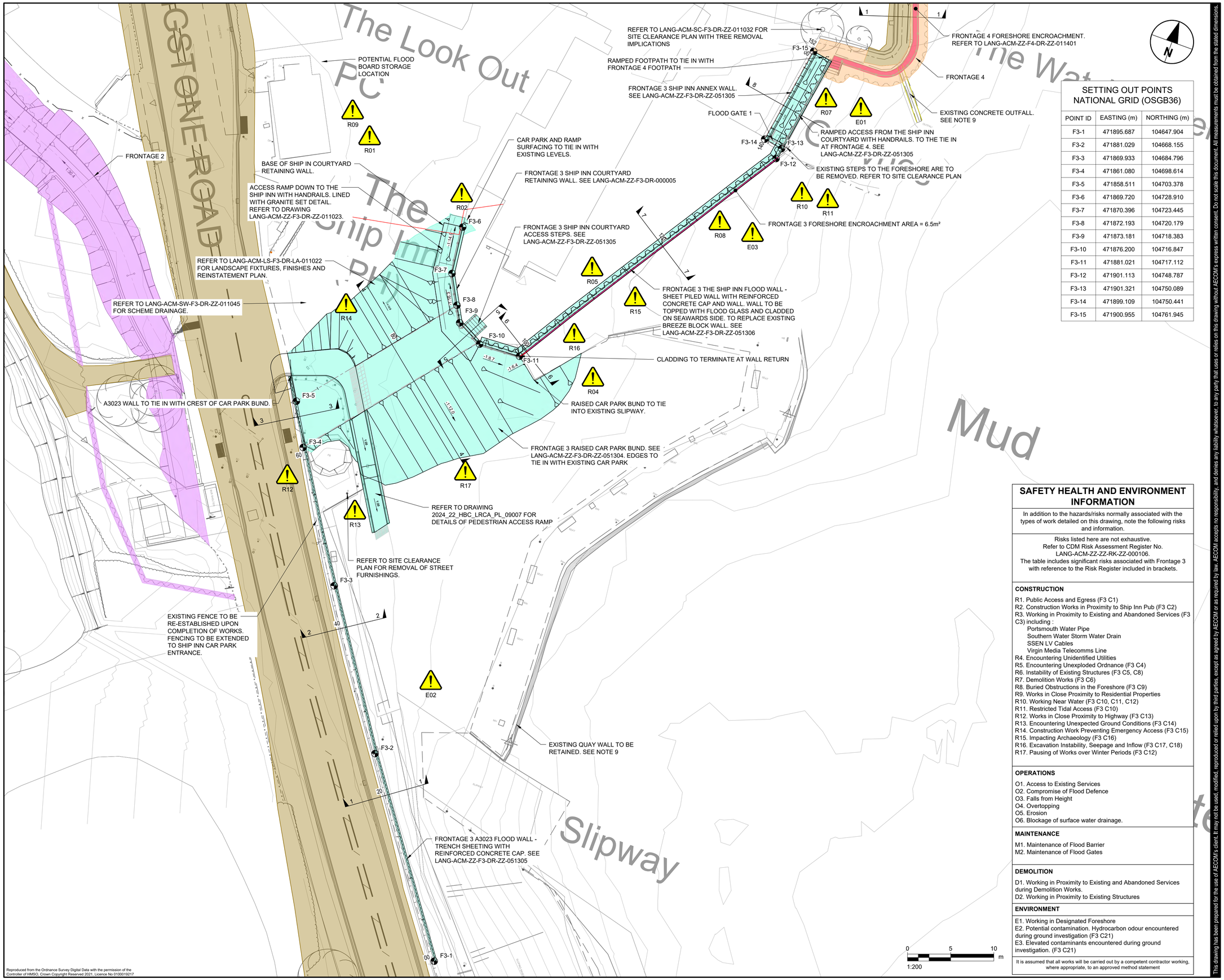
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Project Management Initials: Designer: PEeles Checked: CP Approved: JScott Drawn: PEeles ISO A1 594mm x 841mm
Revision: H01



SETTING OUT POINTS NATIONAL GRID (OSGB36)		
POINT ID	EASTING (m)	NORTHING (m)
F3-1	471895.687	104647.904
F3-2	471881.029	104668.155
F3-3	471869.933	104684.796
F3-4	471861.080	104698.614
F3-5	471858.511	104703.378
F3-6	471869.720	104728.910
F3-7	471870.396	104723.445
F3-8	471872.193	104720.179
F3-9	471873.181	104718.383
F3-10	471876.200	104716.847
F3-11	471881.021	104717.112
F3-12	471901.113	104748.787
F3-13	471901.321	104750.089
F3-14	471899.109	104750.441
F3-15	471900.955	104761.945

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 3 with reference to the Risk Register included in brackets.

CONSTRUCTION

R1. Public Access and Egress (F3 C1)
R2. Construction Works in Proximity to Ship Inn Pub (F3 C2)
R3. Working in Proximity to Existing and Abandoned Services (F3 C3) including :
- Portsmouth Water Pipe
- Southern Water Storm Water Drain
- SSEN LV Cables
- Virgin Media Telecomms Line

R4. Encountering Unidentified Utilities
R5. Encountering Unexploded Ordnance (F3 C4)
R6. Instability of Existing Structures (F3 C5, C8)
R7. Demolition Works (F3 C6)
R8. Buried Obstructions in the Foreshore (F3 C9)
R9. Works in Close Proximity to Residential Properties
R10. Working Near Water (F3 C10, C11, C12)
R11. Restricted Tidal Access (F3 C10)
R12. Works in Close Proximity to Highway (F3 C13)
R13. Encountering Unexpected Ground Conditions (F3 C14)
R14. Construction Work Preventing Emergency Access (F3 C15)
R15. Impacting Archaeology (F3 C16)
R16. Excavation Instability, Seepage and Inflow (F3 C17, C18)
R17. Pausing of Works over Winter Periods (F3 C12)

OPERATIONS

O1. Access to Existing Services
O2. Compromise of Flood Defence
O3. Falls from Height
O4. Overtopping
O5. Erosion
O6. Blockage of surface water drainage.

MAINTENANCE

M1. Maintenance of Flood Barrier
M2. 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. Potential contamination. Hydrocarbon odour encountered during ground investigation (F3 C21)
E3. Elevated contaminants encountered during ground investigation. (F3 C21)

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

AECOM

PROJECT

Langstone Flood and Coastal Erosion Risk Management Scheme

CLIENT

HAVANT BOROUGH COUNCIL

CONSULTANT

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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 THE RISK REGISTER (LANG-ACM-ZZ-ZZ-RK-ZZ-000106) FOR ANY IDENTIFIED POTENTIAL RISKS.
7. ALSO REFER TO DRAWINGS:
MODEL CROSS SECTIONS - #031302 AND #031303
TYPICAL DETAILS - #051304 TO #051306
REBAR DETAILS - #081930 - ##

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 DEFENCES IS MAINTAINED. REFER TO DRAWING #011044 FOR DETAILS. CONTRACTOR TO INSPECT AND DETERMINE CONDITION OF EXISTING OUTFALLS. DAMAGED PIPES TO BE REPLACED.
10. ALL EXISTING SERVICES ARE TO BE IDENTIFIED PRIOR TO WORKS COMMENCING. SERVICE INFORMATION IS SHOWN ON LANG-ACM-ZZ-F3-DR-ZZ-031302 AND #031303.
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 2
- Frontage 3
- Frontage 4
- Foreshore Encroachment Area
- Adopted highway boundary

ISSUE/REVISION

I/R	DATE	DESCRIPTION
H01	01/12/25	Adopted highway boundary for planning/s278

ISSUE PURPOSE / SUITABILITY

Detail Design Authorised/Accepted

KEY PLAN



PROJECT NUMBER

60656877

SHEET TITLE

FRONTAGE 3
GENERAL ARRANGEMENT (Highway Boundary)

SHEET NUMBER

LANG-ACM-ZZ-F3-DR-ZZ-011301

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Project Management Initials: Designer: HR Checked: CP Approved: JScott Drawn: KG
Revision: H01

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

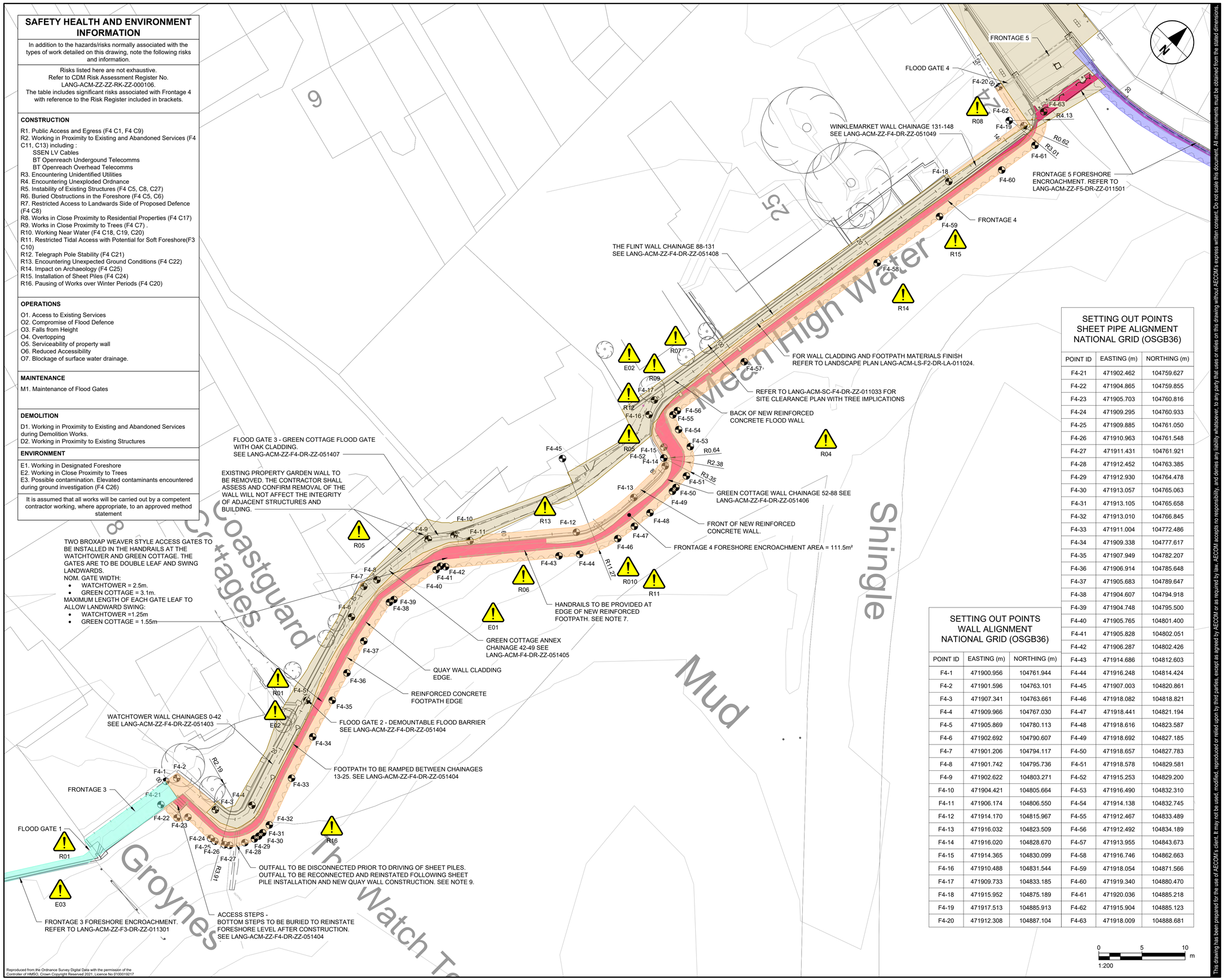
DEMOLITION

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

0 5 10 m
1:200

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AECOM

PROJECT

Langstone Flood and Coastal Erosion Risk Management Scheme

CLIENT

HAVANT BOROUGH COUNCIL

CONSULTANT

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NOTES

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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
- Adopted highway boundary

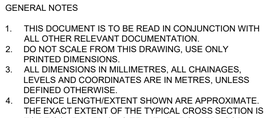
ISSUE/REVISION

H01	26/11/25	Adopted highway boundary for planning/s278
I/R	DATE	DESCRIPTION

ISSUE PURPOSE / SUITABILITY

Detail Design Authorised/Accepted

KEY PLAN



PROJECT NUMBER

60656877

SHEET TITLE

FRONTAGE 4
GENERAL ARRANGEMENT (Highway Boundary)

SHEET NUMBER

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

ISO A1 594mm x 841mm
Project Management Initials:
Designer: DW
Revision: H01
Checked: HR
Approved: JScott
Drawn: DW

CLEARANCE EXTENTS TO BE CONFIRMED - REINSTATEMENT TO BE HEDGEROW SEEDED

PROPOSED LITTER BIN LOCATION

PROPOSED INFORMATION BOARD LOCATION

2M WIDE SEEDED STRIP BOTH SIDES OF PATHWAY: NO PLANTING WITHIN 2M OF THE PATHWAY; 1.5M MAINTAINED STRIP TO BE MOWN AND MAINTAINED TO BE CLEAR OF ENCROACHING VEGETATION

PROPOSED SEATING LOCATION

6M CLEARANCE LINE (FROM CENTRE OF PROPOSED PATH)

APPROXIMATE LOCATION OF SINGLE LEAF SWING GATE NORTH REFER TO DRAWING 2024_22_HBC_LRCA_PL_09002A

PROPOSED MACADAM PATHWAY

3 NO. BAT BOXES FIXED TO EXISTING TREE SYCAMORE 350MM DIA'.

3.5M CLEARANCE LINE (FROM CENTRE OF PROPOSED PATH)

2M WIDE SEEDED STRIP BOTH SIDES OF PATHWAY: NO PLANTING WITHIN 2M OF THE PATHWAY; 1.5M MAINTAINED STRIP TO BE MOWN AND MAINTAINED TO BE CLEAR OF ENCROACHING VEGETATION

MIXED NATIVE SPECIES PLANTING

SEED MIX 1 HEDGEROW MIX

3 NO. BAT BOXES FIXED TO EXISTING TREE BAY LAUREL 300MM DIA'.

6M CLEARANCE LINE (FROM CENTRE OF PROPOSED PATH)

2M WIDE SEEDED STRIP BOTH SIDES OF PATHWAY: NO PLANTING WITHIN 2M OF THE PATHWAY; 1.5M MAINTAINED STRIP TO BE MOWN AND MAINTAINED TO BE CLEAR OF ENCROACHING VEGETATION

MIXED NATIVE SPECIES PLANTING

SEED MIX 1 HEDGEROW MIX

6M CLEARANCE LINE (FROM CENTRE OF PROPOSED PATH)

PROPOSED SEATING LOCATION

2M WIDE SEEDED STRIP BOTH SIDES OF PATHWAY: NO PLANTING WITHIN 2M OF THE PATHWAY; 1.5M MAINTAINED STRIP TO BE MOWN AND MAINTAINED TO BE CLEAR OF ENCROACHING VEGETATION

3.5M CLEARANCE LINE (FROM CENTRE OF PROPOSED PATH)

SEED MIX 1 HEDGEROW MIX

3 NO. BAT BOXES FIXED TO EXISTING TREE SYCAMORE 300MM DIA'.

SEED MIX 2 MEADOW MIX

PROPOSED INFORMATION BOARD LOCATION

FRONTAGE 2

FRONTAGE 2

0 6.25 12.5 m

1:250

TREES: FRONTAGE 1A
All standard tree to be double staked (as detail) and protected with a biodegradable tree guard (GreenTech Bio-earth tree shelter or equivalent).
All trees to have bark mulch (either chipped if suitable from arisings of clearance or locally sourced bark chip mulch) to 75mm depth.

CODE	Latin name	Common name	Form	Age / Condition	Girth	Height	Clear stem	Roots	Container	No.
AC	*Acer campestre*	Field Maple	Standard (Extra Heavy)	3x	16-18	400-450	min 200	RB	60cm	5
AP	*Acer pseudoplatanus*	Sycamore	Standard (Extra Heavy)	3x	16-18	450-625	min 200	RB		4
CA	*Corylus avellana*	Hazel	Feathered	2x		125-150		B		3
CM	*Crataegus monogyna*	Hawthorn	Feathered	2x		125-150		B		2
PO	*Populus × canescens*	Grey poplar	Standard	3x	16-18	min 450	min 200	RB		2
PT	*Populus tremula*	Aspen	Standard (Extra Heavy)	3x	16-18	400-450	min 200	RB	60cm	3
PA	*Prunus avium*	Wild Cherry	Standard (Extra Heavy)	3x	16-18	400-450	min 200	RB	60cm	2
PC	*Prunus cerasifera*	Cherry Plum	Standard	3x	16-18	min 450	min 200	RB		2
PP	*Prunus padus*	Bird Cherry	Standard	3x	16-18	min 450	min 200	RB		2
PS	*Prunus spinosa*	Blackthorn	Feathered	2x		125-150		B		3
QR	*Quercus robur*	Common Oak	Standard (Extra Heavy)	3x	16-18	400-450	min 200	RB	60cm	7

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AECOM

PROJECT

Langstone Flood and Coastal Erosion Risk Management Scheme

CLIENT

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NOTES

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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:
FRONTAGE 1A DRAWINGS - ##1101 TO ##1103
SITE CLEARANCE PLAN - #011030

DRAWING SPECIFIC NOTES:
8. TREE LOCATIONS SUBJECT TO SITE CONDITIONS AND TO BE AGREED ON SITE.

LEGEND

- MIX 1 - HEDGEROW SEED MIX
- MIX 2 - STANDARD GENERAL PURPOSE MEADOW MIX
- MIXED NATIVE SPECIES PLANTING
- PROPOSED TREES
- EXISTING TREES RETAINED
- EXISTING VEGETATION RETAINED WHERE POSSIBLE
- MACADAM SURFACING (to engineers details)
- PROPOSED TIPTREE BENCH SEATING WITH MACADAM SURROUND and PCC EDGING
- WESTLEIGH TIMBER SLATTED LITTER BIN
- INTERPRETATION BOARD LOCATION DETAILS TBC
- BAT BOX LOCATIONS: 3 No. TYPE SCHWEGLER 2F; 3-4M MINIMUM OFF THE GROUND: SOUTH, EAST, WEST ORIENTATION
- ADOPTED HIGHWAY BOUNDARY

ISSUE/REVISION

H01	28/11/25	Adopted highway boundary for planning/s278
I/R	DATE	DESCRIPTION

ISSUE PURPOSE / SUITABILITY

Detail Design Authorised/Accepted

KEY PLAN

PROJECT NUMBER

60656877

SHEET TITLE

FRONTAGE 1A
LANDSCAPE LAYOUT (Highway Boundary)

SHEET NUMBER

LANG-ACM-LS-F1A-DR-LA-011020

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Project Management Initials:
Designer: DW
Checked: CP
Approved: JScott
Drawn: DW
Revision: H01

PROPOSED SEATING LOCATION
2M WIDE SEEDED STRIP BOTH SIDES OF PATHWAY: 1.5M MAINTAINED STRIP TO BE MOWN AND MAINTAINED TO BE CLEAR OF ENCROACHING VEGETATION
SEED MIX 2 MEADOW MIX
FRONTAGE 1A
PROPOSED BEE POSTS LOCATIONS
EXISTING BENCH REINSTATED
PILING (BURIED) TO ENGINEERS' DETAILS
SEED MIX 3 COASTAL MEADOW SEED MIX
SEED MIX 1 HEDGEROW MIX
GRAVEL DRAINAGE CHANNEL TO ENGINEERS' DETAILS
MIXED SPECIES NATIVE INSTANT HEDGE
2M WIDE SEEDED STRIP BOTH SIDES OF PATHWAY: 1.5M MAINTAINED STRIP TO BE MOWN AND MAINTAINED TO BE CLEAR OF ENCROACHING VEGETATION
SEED MIX 3 COASTAL MEADOW SEED MIX
GRAVEL DRAINAGE CHANNEL TO ENGINEERS' DETAILS
PILING WALL (CLADDED) ALIGNMENT AND CLADDING TO ENGINEERS' DETAILS TIMBER CLAD ON SOUTH FACING (SEEWARD) WALL FACE
PROPOSED BEE POST LOCATIONS
EXISTING PATHWAY TO BE REMOVED
PROPOSED BEE POST LOCATIONS
PILING WALL (CLADDED) ALIGNMENT AND CLADDING TO ENGINEERS' DETAILS TIMBER CLAD ON BOTH NORTH AND SOUTH FACING WALL
SEED MIX 3 COASTAL MEADOW MIX TO REINSTATMENT AREAS
GRAVEL DRAINAGE CHANNEL TO ENGINEERS' DETAILS
EXISTING PATHWAY TO BE REMOVED
EXISTING OUTBUILDING AND CONCRETE APRON.
PROPOSED SEATING LOCATION
APPROXIMATE LOCATION OF SINGLE LEAF SWING GATE SOUTH. REFER TO DRAWING 2024_22_HBC_LRCA_PL_09002A
END OF FOOTPATH TO TIE IN WITH EXISTING PATH
INTERPRETATION BOARD LOCATION
END OF FOOTPATH TO TIE IN WITH EXISTING PATH
FRONTAGE 3
LANGSTONE ROAD
The Look Out
PC
The Ship Inn (PH)
79
1
1a
50
50a
N
0 6.25 12.5 m
1:250

TREES: FRONTAGE 2
All standard tree to be double staked (as detail) and protected with a biodegradable tree guard (GreenTech Bio-earth tree shelter or equivalent).
All trees to have bark mulch (either chipped if suitable from arisings of clearance or locally sourced bark chip mulch) to 75mm depth.

CODE	Latin name	Common name	Form	Age / Condition	Girth	Height	Clear stem	Roots	Container	No.
AC	*Acer campestre*	Field Maple	Standard (Extra Heavy)	3x	16-18	400-450	min 200	RB	60cm	2
CA	*Corylus avellana*	Hazel	Feathered	2x		125-150		B		7
CM	*Crataegus monogyna*	Hawthorn	Feathered	2x		125-150		B		1
MD	*Malus domestica*	Apple	Standard (Extra Heavy)	3x	16-18	400-450	min 200	RB	60cm	2
MS	*Malus sylvestris*	Crab Apple	Standard (Extra Heavy)	3x	16-18	400-450	min 200	RB	60cm	3
PO	*Populus × canescens*	Grey poplar	Standard	3x	16-18	min 450	min 200	RB		1
PT	*Populus tremula*	Aspen	Standard (Extra Heavy)	3x	16-18	400-450	min 200	RB	60cm	1
PA	*Prunus avium*	Wild Cherry	Standard (Extra Heavy)	3x	16-18	400-450	min 200	RB	60cm	1
PP	*Prunus padus*	Bird Cherry	Standard	3x	16-18	min 450	min 200	RB		1
PS	*Prunus spinosa*	Blackthorn	Feathered	2x		125-150		B		2
QR	*Quercus robur*	Common Oak	Standard (Extra Heavy)	3x	16-18	400-450	min 200	RB	60cm	4

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AECOM

PROJECT
Langstone Flood and Coastal Erosion Risk Management Scheme

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7. ALSO REFER TO DRAWINGS:
FRONTAGE 1A DRAWINGS - ##1201 TO ##1206
SITE CLEARANCE PLAN - #011031

DRAWING SPECIFIC NOTES:
8. TREE LOCATIONS SUBJECT TO SITE CONDITIONS AND TO BE AGREED ON SITE.

LEGEND
- MIX 1 - HEDGEROW SEED MIX
- MIX 2 - DIVERSE MEADOW MIX
- MIX 3 - COASTAL MEADOW SEED MIX
- MIXED NATIVE SPECIES PLANTING
- PROPOSED TREES
- EXISTING TREES RETAINED
- EXISTING VEGETATION RETAINED WHERE POSSIBLE
- MACADAM SURFACING (to engineers details)
- PROPOSED TIPTREE BENCH SEATING WITH MACADAM SURROUND and PCC EDGING
- BEE POST
- IB INTERPRETATION BOARD LOCATION DETAILS TBC
- MIXED NATIVE INSTANT HEDGE
- ADOPTED HIGHWAY BOUNDARY

ISSUE/REVISION

H01	28/11/25	Adopted highway boundary for planning/s278
I/R	DATE	DESCRIPTION

ISSUE PURPOSE / SUITABILITY
Detail Design Authorised/Accepted

KEY PLAN

PROJECT NUMBER
60656877

SHEET TITLE
FRONTAGE 2
LANDSCAPE LAYOUT (Highway Boundary)

SHEET NUMBER
LANG-ACM-LS-F2-DR-LA-011021

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Project Management Initials:
Designer: DW
Checked: HR
Approved: JS
Drawn: DW
Revision: H01

POTENTIAL FLOOD BOARD STORAGE LOCATION
EXTENTS OF RESURFACING TO BE AGREED
FRONTAGE 3
SHIP INN ANNEX WALL - BRICK CLADDING WITH FLOOD GLASS TOP
FOR CLADDING FIXING/ SPECIFICATION TYPES, REFER TO ENGINEERS' DRAWING LANG-ACM-ZZ-ZZ-DR-ZZ-051060
FOOTPATH LINED WITH GRANITE SETTS
RETAINING WALL BASE EDGE
GUARDRAIL TO ENGINEERS DETAILS
FRONTAGE 3
RETAINING WALL TO ENGINEERS DETAILS
STEP HANDRAILS TO ENGINEERS DETAILS
STEPS: CORDUROY TACTILE PAVING TO TOP AND BOTTOM OF STEP FLIGHT TO ENGINEERS DETAILS
WALL TO ENGINEERS' DETAILS - BRICK CLADDING
FOR CLADDING FIXING/ SPECIFICATION TYPES, REFER TO ENGINEERS' DRAWING LANG-ACM-ZZ-ZZ-DR-ZZ-051060
FLOOD GATE 1
FRONTAGE 4
POTENTIAL TO INCLUDE VERTIPOOLS INTO THE EXISTING QUAY WALL
INTERPRETATION BOARD TO REPLACE EXISTING
EXISTING PLANTER TO BE REINSTATED IN AGREEANCE AND COORDINATION WITH THE SHIP INN
VEGETATED SHINGLE PLANTER LOCATIONS INDICATIVE TO BE CONFIRMED
GUARDRAIL TO ENGINEERS DETAILS
EXISTING GRASS AREA TO BE REMOVED
FRONTAGE 2
FRONTAGE 3
CAR PARK BUND
MACADAM SURFACING TO TIE INTO EXISITNG
PROPOSED CYCLE RACK LOCATION
EXISTING FENCE TO BE REINSTATED
WILDFLOWER TURF
SEE INSET A FOR WILDFLOWER TURF EXTENTS
INSET A
WILDFLOWER TURF EXTENTS
WILDFLOWER TURF
EXTENT TO END OF EXISTING GRASS VERGE
The Ship Inn (PH)
Groynes
Slipway
Drain
Boat Pounds
SM
B2148
IB
PL

0 5 10 m
1:200

N

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AECOM

PROJECT

Langstone Flood and Coastal Erosion Risk Management Scheme

CLIENT

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5. EXISTING PATH LEVELS VARIES ALONG DEFENCE LENGTH, AND BEACH LEVEL VARY SPATIALLY AND WITH TIME.
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7. ALSO REFER TO DRAWINGS:
FRONTAGE 1A DRAWINGS - ##1301 TO ##1306
SITE CLEARANCE PLAN - #011032

DRAWING SPECIFIC NOTES:
8. TREE LOCATIONS SUBJECT TO SITE CONDITIONS AND TO BE AGREED ON SITE.

LEGEND

- WILDFLOWER TURF
- MACADAM SURFACING (to engineers details)
- GRANITE SETTS AS DEMARCATION TO PATHWAY OF THE 'THE SHIP INN' CAR PARK (to engineers details)
- 4 NO. STAINLESS STEEL CYCLE STANDS
- OPPORTUNITY TO RESURFACE MACADAM CAR PARK (subject to agreement and funding TBC)
- IB — INTERPRETATION BOARD LOCATION DETAILS TBC
- PL — PROPOSED VEGETATED SHINGLE PLANTER LOCATIONS
- EXTENTS OF VEGETATION REMOVAL
- ADOPTED HIGHWAY BOUNDARY

ISSUE/REVISION

I/R	DATE	DESCRIPTION
H01	02/12//25	Adopted highway boundary for planning/s278

ISSUE PURPOSE / SUITABILITY

Detail Design Authorised/Accepted

KEY PLAN

PROJECT NUMBER

60656877

SHEET TITLE

FRONTAGE 3
LANDSCAPE LAYOUT (Highway Boundary)

SHEET NUMBER

LANG-ACM-LS-F3-DR-LA-011022

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ISO A1 594mm x 841mm
Project Management Initials:
Revision: H01
Designer: DW
Checked: CP
Approved: JScott
Drawn: DW

PROPOSED LITTER BIN TO REPLACE EXISTING
RETAINED EXISTING STONE PATH
FLOOD GATES 4 AND 5
PROPOSED LITTER BIN IN NEW LOCATION TO REPLACE EXISTING BIN
FLINT CLADDING
BRICK WALL CLADDING
PROPOSED INTERPRETATION BOARD LOCATION
FRONTAGE 5
SLIPWAY TO ENGINEERS' DETAILS
FOR CLADDING FIXING/ SPECIFICATION TYPES, REFER TO ENGINEERS' DRAWING LANG-ACM-ZZ-ZZ-DR-ZZ-051060
FLOOD DEFENCE WALL TO ENGINEERS' DETAILS
NEW LOCATION OF EXISTING LAMP POST
EXISTING LAMP POST TO BE RELOCATED
BRICK CLADDING TO QUAY WALL
HANDRAIL TO ENGINEERS DETAILS
EXPOSED AGGREGATE CONCRETE PATHWAY TO ENGINEERS DETAILS
BRICK CLADDING TO QUAY WALL
FLOOD GATE 3
HANDRAIL TO ENGINEERS DETAILS
BOX WEAVER STYLE GATE TO BE INCORPORATED IN HANDRAIL
FLOOD GATE 2
BRICK CLADDING TO QUAY WALL
BOX WEAVER STYLE GATE TO BE INCORPORATED IN HANDRAIL
HANDRAIL TO ENGINEERS DETAILS
INCORPORATE BEE BRICKS INTO BRICK CLADDING. BRICKS TO BE DISPERSED THROUGHOUT WALL UNDER DIRECT SUPERVISION OF COASTAL PARTNERS ENVIRONMENT TEAM . BEE BRICK TYPE AND NUMBER TO BE CONFIRMED BY COASTAL PARTNERS ENVIRONMENT TEAM.
HANDRAIL TO STEPS TO ENGINEERS DETAILS
HANDRAIL TO ENGINEERS DETAILS
FRONTAGE 3
BRICK CLADDING TO QUAY WALL

Mean High Water
Coastguard Cottages
Shingle
Mud
Groynes
Tra Watch Te
9
8

0 5 10 m
1:200

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AECOM

PROJECT

Langstone Flood and Coastal Erosion Risk Management Scheme

CLIENT

HAVANT BOROUGH COUNCIL

CONSULTANT

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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:
FRONTAGE 1A DRAWINGS - ##1401 TO ##1412
SITE CLEARANCE PLAN - #011033

DRAWING SPECIFIC NOTES:
8. TREE LOCATIONS SUBJECT TO SITE CONDITIONS AND TO BE AGREED ON SITE.

LEGEND

- EXPOSED AGGREGATE CONCRETE (to engineers details)
- WESTLEIGH TIMBER SLATTED LITTER BIN
- EXISTING TREES RETAINED
- INTERPRETATION BOARD LOCATION DETAILS TBC
- RETAINED EXISTING STONE PATH (FRONTAGE 5)
- ADOPTED HIGHWAY BOUNDARY

ISSUE/REVISION

H01	28/11/25	Adopted highway boundary for planning/s278
I/R	DATE	DESCRIPTION

ISSUE PURPOSE / SUITABILITY

Detail Design Authorised/Accepted

KEY PLAN

PROJECT NUMBER

60656877

SHEET TITLE

FRONTAGE 4
LANDSCAPE LAYOUT (Highway Boundary)

SHEET NUMBER

LANG-ACM-LS-F4-DR-LA-011023

ACCESS ROUTE SUGGESTED BY ECI CONTRACTOR. SEE INSET A

BOLLARDS TO BE CAREFULLY REMOVED AND REINSTATED UPON COMPLETION. SEE NOTE 10.

TREES MAY BE RETAINED WITH MITIGATING MEASURES SUCH AS COPPICING AT GROUND LEVEL

TEMPORARY DIVERSION OF OVERGROUND TELECOMMS POTENTIALLY REQUIRED FOR CLEARANCE WORKS

VEGETATION CLEARANCE. 6m FROM EXISTING CENTRELINE ON LANDWARDS SIDE. SEE NOTE 14.

FRONTAGE 1A

EXISTING GATE TO BE RETAINED. SEE NOTE 11

VEGETATION CLEARANCE. 3.5m FROM EXISTING PATH CENTRELINE ON SEAWARDS SIDE. SEE NOTE 14.

FENCELINE RETAINED. SEE NOTES 11 AND 12.

TREE IMPLICATIONS DETERMINED WITH INPUT FROM PROJECT ARBORICULTURIST.

EXISTING GATE TO BE RETAINED. SEE NOTE 11

EXISTING GATE TO BE RETAINED. SEE NOTE 11

FRONTAGE 2

CLEARANCE EITHER SIDE OF EXISTING FOOTPATH FOR SITE ACCESS.

BOLLARDS TO BE CAREFULLY REMOVED AND REINSTATED UPON COMPLETION. SEE NOTE 10.

INSET A - SITE CLEARANCE EXTENTS

Langstone Villa

El Sub Sta

0 6.25 12.5 m
1:250

0 6.25 12.5 m
1:250

KEY

TREE PROTECTION ORDER:
- TPO Point - Tree
- TPO Area
- TPO Woodland

EXISTING TREE SURVEY:
- Tree Canopy
- Trees of A (high) grading
- Trees of B (moderate) grading
- Trees of C (low) grading
- Trees of U (fell) grading
- Root protection area (RPA)

FOR TREE SURVEY DETAILS REFER TO DRAWINGS 1241.BJH.01.02-SHEETS 1-4

TREE CLEARANCE:
- Trees that will be unaffected by the development proposals.
- Trees that may be retained with mitigating measures applied - Arboricultural expert supervised 'hand dig' trenching works and root severance exercise.
- Trees that would not survive the development works and will need to be removed.

SITE CLEARANCE:
- General Site Clearance
- General Vegetation Clearance
- Vegetation Clearance - Schedule 9 Plants
- Breaking Out - Structures
- Breaking Out - Footpath/Carpark Surfacing
- Foreshore Access
- Adopted highway boundary

SAFETY HEALTH AND ENVIRONMENT INFORMATION

PLEASE REFER TO LANG-ACM-ZZ-F1A-DR-ZZ-011101 FOR SHE INFORMATION.

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Project Management Initials: HR
Designer: HR
Checked: CP
Approved: JScott
Drawn: KG
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AECOM

PROJECT

Langstone Flood and Coastal Erosion Risk Management Scheme

CLIENT

HAVANT BOROUGH COUNCIL

CONSULTANT

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Basingstoke, Hampshire,
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NOTES

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4. DEFENCE LENGTHS 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 THE RISK REGISTER (LANG-ACM-ZZ-ZZ-RK-ZZ-000106) FOR ANY IDENTIFIED POTENTIAL RISKS.
7. ALSO REFER TO DRAWINGS:
GENERAL ARRANGEMENT - #011101
MODEL CROSS SECTIONS- #031102
TYPICAL DETAILS - #051103

DRAWING SPECIFIC NOTES:
8. SITE CLEARANCE PLANS SHOULD BE READ IN CONJUCTION WITH THE DESIGN DRAWINGS FOR ANY SPECIFIC REQUIREMENTS FOR THE REMOVAL OF SPECIFIC STRUCTURES AND STREET FURNITURES.
9. SITE CLEARANCE PLANS SHOULD BE READ IN CONJUCTION WITH LANG-ACM-ZZ-F1A-DR-ZZ-011102 FOR BURIED UTILITIES.
10. CONTRACTOR SHOULD REMOVE STREET FURNITURES, INCLUDING SIGNAGE, AS NECESSARY TO CONTRACTOR METHODOLOGY. IF REMOVAL REQUIRED, IT SHALL BE CAREFULLY REMOVED STORED SAFELY AND EITHER REINSTATED OR DISPOSED OF ON COMPLETION. IF REMOVAL NOT REQUIRED, THE CONTRACTOR SHOULD TAKE NECESSARY PRECAUTIONS TO ENSURE CONSTRUCTION WORKS DO NOT DAMAGE THE STREET FURNITURES.
11. PRIVATE ASSETS, e.g. GATES, HANDRAILS, FENCINGS, BELONGING TO THE PROPERTY OWNER SHALL BE CAREFULLY REMOVED, STORED, AND REINSTATED IF REQUIRED OR RETURNED TO THE PROPERTY OWNER.
12. CONTRACTOR TO ESTABLISH SITE BOUNDARIES, DIVERSION ROUTES AND MANAGE PUBLIC INTERFACES WITH THE WORKS.
13. REFER TO LOCATION PLAN FOR FULL EXTENTS OF COMPOUNDS AND ACCESS ROUTES.
14. WHERE POSSIBLE, THE CONTRACTOR SHOULD AVOID CLEARANCE WORKS IN VICINITY OF ROOT PROTECTION AREAS.

ISSUE/REVISION

H01	01/12/25	Adopted highway boundary for planning/s278
I/R	DATE	DESCRIPTION

ISSUE PURPOSE / SUITABILITY

Detail Design Authorised/Accepted

KEY PLAN



PROJECT NUMBER

60656877

SHEET TITLE

FRONTAGE 1A
SITE CLEARANCE PLAN (Highway Boundary)

SHEET NUMBER

LANG-ACM-SC-F1A-DR-ZZ-011030

ISO A1 594mm x 841mm
Project Management Initials: MB Designer: MB Checked: CP Approved: JScott Drawn: HR
Revision: H01

EXISTING SIGNS AND BENCHES TO BE REMOVED AND STORED SAFELY. SEE NOTE 10.

FRONTAGE 1A

EXISTING GATE ON SITE BOUNDARY. SEE NOTES 11 AND 14.

SHEET PILE WALL

EXISTING GATE ON SITE BOUNDARY. SEE NOTES 11 AND 14.

EXISTING FENCELINES ON SITE BOUNDARY. SEE NOTES 11 AND 14.

EXISTING GATE ON SITE BOUNDARY. SEE NOTES 11 AND 14.

SITE CLEARANCE TO AVOID SALTMARSH VEGETATION

REMOVAL OF EXISTING HEDGEROW AND REINSTATEMENT ON WORKS COMPLETION.

FRONTAGE 2

JAPANESE ROSE (ROSA RUGOSA). SEE NOTE 13.

EXISTING FOOTPATH TO BE BROKEN OUT.

TREE IMPLICATIONS DETERMINED WITH INPUT FROM PROJECT ARBORICULTURIST.

FRONTAGE 3

LANGSTONE ROAD

The Look Out PC

The Ship Inn (PH)

46 47 79 1 1a 50 50a

N

KEY

TREE PROTECTION ORDER:
- TPO Point - Tree
- TPO Area
- TPO Woodland

EXISTING TREE SURVEY:
- Tree Canopy
- Trees of A (high) grading
- Trees of B (moderate) grading
- Trees of C (low) grading
- Trees of U (fell) grading
- Root protection area (RPA)

FOR TREE SURVEY DETAILS REFER TO DRAWINGS 1241.BJH.01.02-SHEETS 1-4

TREE CLEARANCE:
- Trees that will be unaffected by the development proposals.
- Trees that may be retained with mitigating measures applied - Arboricultural expert supervised 'hand dig' trenching works and root severance exercise.
- Trees that would not survive the development works and will need to be removed.

SITE CLEARANCE:
- General Site Clearance
- General Vegetation Clearance
- Vegetation Clearance - Schedule 9 Plants
- Breaking Out - Structures
- Breaking Out - Footpath/Carpark Surfacing
- Foreshore Access
- Adopted highway boundary

0 6.25 12.5 m
1:250

SAFETY HEALTH AND ENVIRONMENT INFORMATION

PLEASE REFER TO LANG-ACM-ZZ-F2-DR-ZZ-011201 FOR SHE INFORMATION.

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AECOM

PROJECT

Langstone Flood and Coastal Erosion Risk Management Scheme

CLIENT

HAVANT BOROUGH COUNCIL

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NOTES

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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 THE RISK REGISTER (LANG-ACM-ZZ-ZZ-RK-ZZ-000106) FOR ANY IDENTIFIED POTENTIAL RISKS.
7. ALSO REFER TO DRAWINGS:
   GENERAL ARRANGEMENT - #011201
   MODEL CROSS SECTIONS - #031202 TO #031203
   TYPICAL DETAILS - #051204 TO #051206

DRAWING SPECIFIC NOTES:
8. SITE CLEARANCE PLANS SHOULD BE READ IN CONJUCTION WITH THE DESIGN DRAWINGS FOR ANY SPECIFIC REQUIREMENTS FOR THE REMOVAL OF SPECIFIC STRUCTURES AND STREET FURNITURES.
9. SITE CLEARANCE PLANS SHOULD BE READ IN CONJUCTION WITH LANG-ACM-ZZ-F2-DR-ZZ-031202, AND LANG-ACM-ZZ-ZZ-DR-ZZ-031202 FOR BURIED UTILITIES.
10. CONTRACTOR SHOULD REMOVE STREET FURNITURES, INCLUDING SIGNAGE, AS NECESSARY TO CONTRACTOR METHODOLOGY. IF REMOVAL REQUIRED, IT SHALL BE CAREFULLY REMOVED STORED SAFELY AND EITHER REINSTATED OR DISPOSED OF ON COMPLETION.
    IF REMOVAL NOT REQUIRED, THE CONTRACTOR SHOULD TAKE NECESSARY PRECAUTIONS TO ENSURE CONSTRUCTION WORKS DO NOT DAMAGE THE STREET FURNITURES.
11. PRIVATE ASSETS, e.g. GATES, HANDRAILS, FENCINGS, BELONGING TO THE PROPERTY OWNER SHALL BE CAREFULLY REMOVED, STORED, AND REINSTATED IF REQUIRED OR RETURNED TO THE PROPERTY OWNER.
12. CONTRACTOR SHALL REMOVE OBSTACLES ALONG THE FORESHORE THAT PREVENT ACCESS AS REQUIRED.
13. AREAS OF INVASIVE SPECIES ARE INDICATIVE ONLY. CONTRACTOR TO UNDERTAKE SURVEYS AHEAD OF SITE CLEARANCE WORKS.
14. CONTRACTOR TO ESTABLISH SITE BOUNDARIES, DIVERSION ROUTES AND MANAGE PUBLIC INTERFACES WITH THE WORKS.
15. REFER TO LOCATION PLAN FOR FULL EXTENTS OF COMPOUNDS AND ACCESS ROUTES.
16. WHERE POSSIBLE, THE CONTRACTOR SHOULD AVOID CLEARANCE WORKS IN VICINITY OF ROOT PROTECTION AREAS.

ISSUE/REVISION

H01	01/12/25	Adopted highway boundary for planning/s278
I/R	DATE	DESCRIPTION

ISSUE PURPOSE / SUITABILITY

Detail Design Authorised/Accepted

KEY PLAN



PROJECT NUMBER

60656877

SHEET TITLE

FRONTAGE 2
SITE CLEARANCE PLAN (Highway Boundary)

SHEET NUMBER

LANG-ACM-SC-F2-DR-ZZ-011031

ISO A1 594mm x 841mm
Drawn: KG
Approved: JScott
Checked: CP
Designer: HR
H01
Project Management Initials:
Revision:

INSET A

FRONTAGE 2

SITE CLEARANCE IN SOUTHERN EXTENT OF FRONTAGE 2 FOR COMPOUND. VENTURI HOUSE IS TO REMAIN AND BE PROTECTED. SEE NOTE 14

SITE CLEARANCE IN SAILING CLUB FOR ACCESS ONLY.

POTENTIAL ACCESS POINT DEPENDANT ON CONTRACTOR SECURING LANDOWNER AGREEMENT

CLEARANCE OF EXISTING VEGETATION ALONG LENGTH OF EMBANKMENT FOR REPLANTING IN WILDFLOWER TURF. REFER TO LANDSCAPE PLAN.

CONTRACTOR TO ESTABLISH WORKING SITE BOUNDARIES AND SAFE ACCESS ROUTE TO THE SHIP INN DURING WORKS.

BREAKOUT OF EXISTING CAR PARK FOR NEW CAR PARK MOUND AND RETAINING STRUCTURE AS PER TYPICAL DETAILS. SEE NOTE 7.

EXISTING BOLLARDS TO BE REMOVED. SEE NOTE 10.

FENCE TO BE REMOVED AND REINSTATED UPON COMPLETION. SEE NOTE 11.

LV AND GAS SERVICES IN SHIP INN CAR PARK TO BE DIVERTED AHEAD OF WORKS. SEE NOTE 9.

EXISTING STREET LIGHTING TO BE RETAINED.

FOR CLEARANCE IN SAILING CLUB SEE INSET A.

VEGETATION CLEARANCE

BREAKOUT OF EXISTING CONCRETE REVETMENT.

FRONTAGE 4

BREAKOUT EXISTING STEPS.

REMOVE GATE AND FENCING AND REINSTATE ON COMPLETION.

GENERAL SITE CLEARANCE. SEE NOTES 10, 11 AND 13.

BREAKOUT EXISTING SHIP INN BLOCK WORK WALL

BREAKOUT OF SHIP INN COURTYARD FOR DRAINAGE AS PER TYPICAL DETAILS. SEE NOTE 7. EXISTING PAVING TO BE REINSTATED.

WORKS TO BE COMPLETED FROM FORESHORE. SEE NOTES 12, 14 AND 15. EXISTING SALTMARSH ALONG THE FORESHORE SHOULD BE TRANSPLANTED AND REINSTATED UNDER DIRECTION AND SUPERVISION OF COASTAL PARTNERS ENVIRONMENTAL TEAM. REFER TO CONSTRUCTION SCOPE FOR FURTHER DETAILS

FRONTAGE 3

GENERAL SITE CLEARANCE FOR SITE COMPOUND. COMPOUND INDICATED BY ECI CONTRACTOR. SEE NOTE 13.

EXISTING STREET FURNITURE TO BE CAREFULLY REMOVED, STORED AND REINSTATED UPON COMPLETION. SEE NOTE 11.

SITE CLEARANCE IN SAILING CLUB FOR ACCESS ONLY

VEGETATION CLEARANCE ON EMBANKMENT

0 12.5 25 m
1:500

0 5 10 m
1:200

KEY

TREE PROTECTION ORDER:
- TPO Point - Tree
- TPO Area
- TPO Woodland

EXISTING TREE SURVEY:
- Tree Canopy
- Trees of A (high) grading
- Trees of B (moderate) grading
- Trees of C (low) grading
- Trees of U (fell) grading
- Root protection area (RPA)

FOR TREE SURVEY DETAILS REFER TO DRAWINGS 1241.BJH.01.02-SHEETS 1-4

TREE CLEARANCE:
- Trees that will be unaffected by the development proposals.
- Trees that may be retained with mitigating measures applied - Arboricultural expert supervised 'hand dig' trenching works and root severance exercise.
- Trees that would not survive the development works and will need to be removed.

SITE CLEARANCE:
- General Site Clearance
- General Vegetation Clearance
- Vegetation Clearance - Schedule 9 Plants
- Breaking Out - Structures
- Breaking Out - Footpath/Carpark Surfacing
- Foreshore Access
- Adopted highway boundary

SAFETY HEALTH AND ENVIRONMENT INFORMATION

PLEASE REFER TO LANG-ACM-ZZ-F3-DR-ZZ-011301 FOR SHE INFORMATION.

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AECOM

PROJECT

Langstone Flood and Coastal Erosion Risk Management Scheme

CLIENT

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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 THE RISK REGISTER (LANG-ACM-ZZ-ZZ-RK-ZZ-000001) FOR ANY IDENTIFIED POTENTIAL RISKS.
7. ALSO REFER TO DRAWINGS:
   GENERAL ARRANGEMENT - #011301
   MODEL CROSS SECTIONS- #031302 & #031303
   TYPICAL DETAILS - #051304 TO #051306

DRAWING SPECIFIC NOTES:
8. SITE CLEARANCE PLANS SHOULD BE READ IN CONJUCTION WITH THE DESIGN DRAWINGS FOR ANY SPECIFIC REQUIREMENTS FOR THE REMOVAL OF SPECIFIC STRUCTURES AND STREET FURNITURES.
9. SITE CLEARANCE PLANS SHOULD BE READ IN CONJUCTION WITH LANG-ACM-ZZ-F3-DR-ZZ-031302 & #031303 FOR BURIED UTILITIES.
10. CONTRACTOR SHOULD REMOVE STREET FURNITURES, INCLUDING SIGNAGE, AS NECESSARY TO CONTRACTOR METHODOLOGY. IF REMOVAL REQUIRED, IT SHALL BE CAREFULLY REMOVED STORED SAFELY AND EITHER REINSTATED OR DISPOSED OF ON COMPLETION. IF REMOVAL NOT REQUIRED, THE CONTRACTOR SHOULD TAKE NECESSARY PRECAUTIONS TO ENSURE CONSTRUCTION WORKS DO NOT DAMAGE THE STREET FURNITURES.
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12. CONTRACTOR SHALL REMOVE OBSTACLES ALONG THE FORESHORE THAT PREVENT ACCESS AS REQUIRED.
13. CONTRACTOR TO ESTABLISH SITE BOUNDARIES, DIVERSION ROUTES AND MANAGE PUBLIC INTERFACES WITH THE WORKS.
14. REFER TO LOCATION PLAN FOR FULL EXTENTS OF COMPOUNDS AND ACCESS ROUTES.
15. ALL ACCESS ROUTES ALONG THE FORESHORE SHALL BE KEPT TO A MINIMUM TO REDUCE IMPACT OF COMPACTION ON THE FORESHORE.

ISSUE/REVISION

H01	22/12/25	Adopted highway boundary for planning/s278
I/R	DATE	DESCRIPTION

ISSUE PURPOSE / SUITABILITY

Detail Design Authorised/Accepted

KEY PLAN



PROJECT NUMBER

60656877

SHEET TITLE

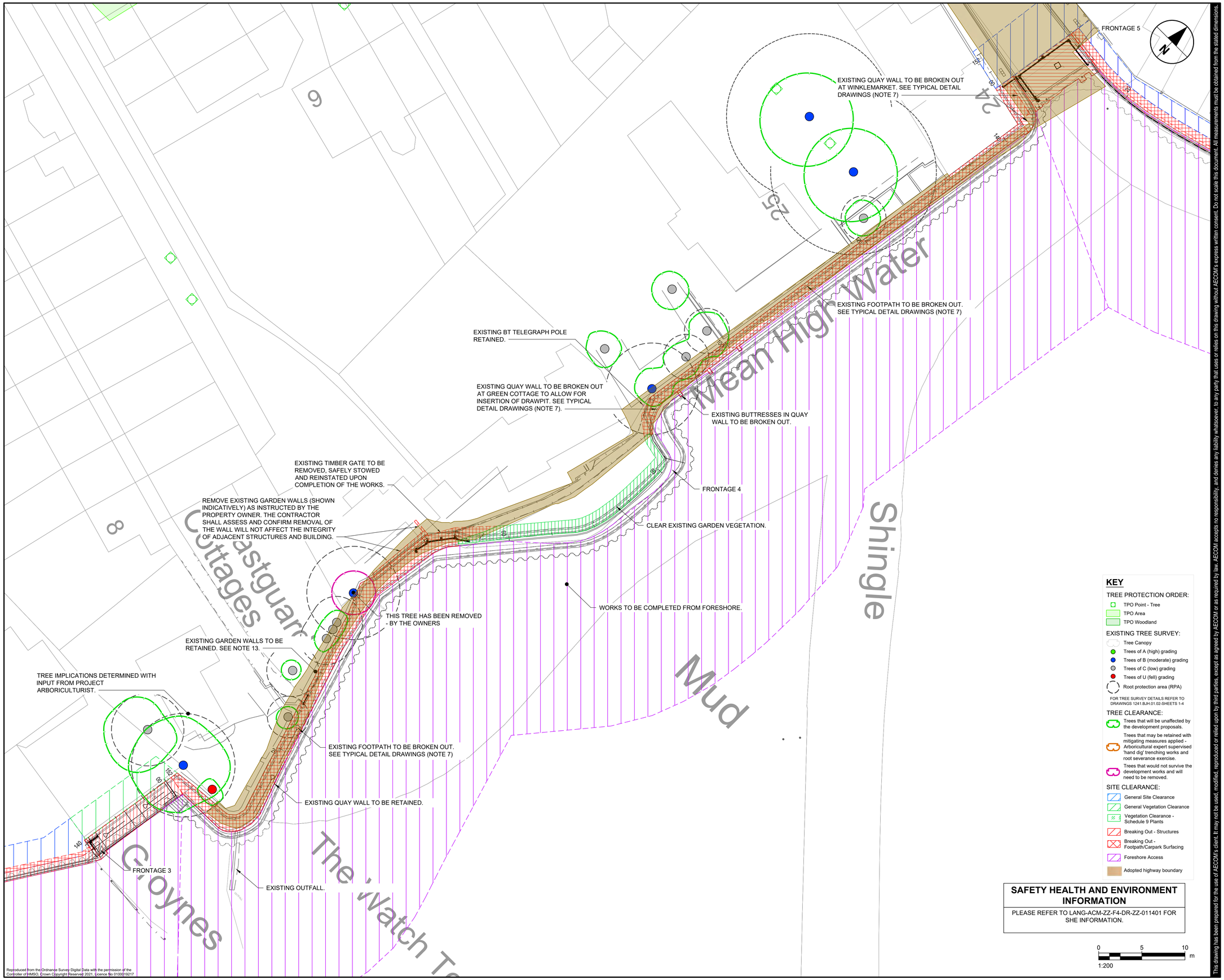
FRONTAGE 3
SITE CLEARANCE PLAN

SHEET NUMBER

LANG-ACM-SC-F3-DR-ZZ-011032

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Project Management Initials:
Revision: H01
Designer: HR
Checked: CP
Approved: JScott
Drawn: HR



KEY

TREE PROTECTION ORDER:
- TPO Point - Tree
- TPO Area
- TPO Woodland

EXISTING TREE SURVEY:
- Tree Canopy
- Trees of A (high) grading
- Trees of B (moderate) grading
- Trees of C (low) grading
- Trees of U (fell) grading
- Root protection area (RPA)

FOR TREE SURVEY DETAILS REFER TO DRAWINGS 1241.BJH.01.02-SHEETS 1-4

TREE CLEARANCE:
- Trees that will be unaffected by the development proposals.
- Trees that may be retained with mitigating measures applied - Arboricultural expert supervised 'hand dig' trenching works and root severance exercise.
- Trees that would not survive the development works and will need to be removed.

SITE CLEARANCE:
- General Site Clearance
- General Vegetation Clearance
- Vegetation Clearance - Schedule 9 Plants
- Breaking Out - Structures
- Breaking Out - Footpath/Carpark Surfacing
- Foreshore Access
- Adopted highway boundary

SAFETY HEALTH AND ENVIRONMENT INFORMATION

PLEASE REFER TO LANG-ACM-ZZ-F4-DR-ZZ-011401 FOR SHE INFORMATION.

0 5 10 m
1:200

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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 THE RISK REGISTER (LANG-ACM-ZZ-ZZ-RK-ZZ-000106) FOR ANY IDENTIFIED POTENTIAL RISKS.
7. ALSO REFER TO DRAWINGS:
   GENERAL ARRGEMENT - #011401
   MODEL CROSS SECTIONS - #031402
   TYPICAL DETAILS - ##1403 TO ##1412

DRAWING SPECIFIC NOTES:
8. SITE CLEARANCE PLANS SHOULD BE READ IN CONJUCTION WITH THE DESIGN DRAWINGS FOR ANY SPECIFIC REQUIREMENTS FOR THE REMOVAL OF SPECIFIC STRUCTURES AND STREET FURNITURES.
9. SITE CLEARANCE PLANS SHOULD BE READ IN CONJUCTION WITH LANG-ACM-ZZ-F4-DR-ZZ-031402 FOR BURIED UTILITIES.
10. CONTRACTOR SHOULD REMOVE STREET FURNITURES, INCLUDING SIGNAGE, AS NECESSARY TO CONTRACTOR METHODOLOGY. IF REMOVAL REQUIRED, IT SHALL BE CAREFULLY REMOVED STORED SAFELY AND EITHER REINSTATED OR DISPOSED OF ON COMPLETION. IF REMOVAL NOT REQUIRED, THE CONTRACTOR SHOULD TAKE NECESSARY PRECAUTIONS TO ENSURE CONSTRUCTION WORKS DO NOT DAMAGE THE STREET FURNITURES.
11. PRIVATE ASSETS, e.g. GATES, HANDRAILS, FENCINGS, BELONGING TO THE PROPERTY OWNER SHALL BE CAREFULLY REMOVED, STORED, AND REINSTATED IF REQUIRED OR RETURNED TO THE PROPERTY OWNER.
12. CONTRACTOR SHALL REMOVE OBSTACLES ALONG THE FORESHORE THAT PREVENT ACCESS AS REQUIRED.
13. CONTRACTOR TO ESTABLISH SITE BOUNDARIES, DIVERSION ROUTES AND MANAGE PUBLIC INTERFACES WITH THE WORKS.
14. REFER TO LOCATION PLAN FOR FULL EXTENTS OF COMPOUNDS AND ACCESS ROUTES.
15. ALL ACCESS ROUTES ALONG THE FORESHORE SHALL BE KEPT TO A MINIMUM TO REDUCE IMPACT OF COMPACTION ON THE FORESHORE.

ISSUE/REVISION

H01	26/11/25	Adopted highway boundary for planning/s278
I/R	DATE	DESCRIPTION

ISSUE PURPOSE / SUITABILITY

Detail Design Authorised/Accepted

KEY PLAN



PROJECT NUMBER

60656877

SHEET TITLE

FRONTAGE 4
SITE CLEARANCE PLAN (Highway Boundary)

SHEET NUMBER

LANG-ACM-SC-F4-DR-ZZ-011033

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