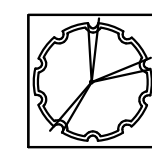


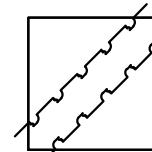
concept LS key



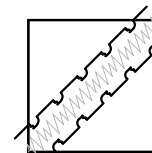
Existing Tree Planting to be retained



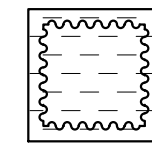
Proposed Tree Planting (CG, BR, RB)
as part of future developments on the campus



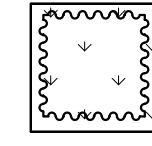
Existing Hedgerows & Hedges to be retained



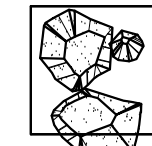
Proposed Hedgerows & Hedges
native species to be planted as per the landscape softworks
planting schedule, staked in place and fitted with shrub guard



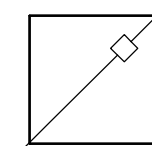
Proposed Planting & Seed Mix - backslope area
supplied by Celtic Wildflowers.
Refer to the landscape planting schedule.



Proposed Planting & Seed Mix - overrun area
supplied by Celtic Wildflowers.
Refer to the landscape planting schedule.



Proposed Rock Placement, to be same type of rock work to
revetment.



Proposed timber knee rail - refer to detail

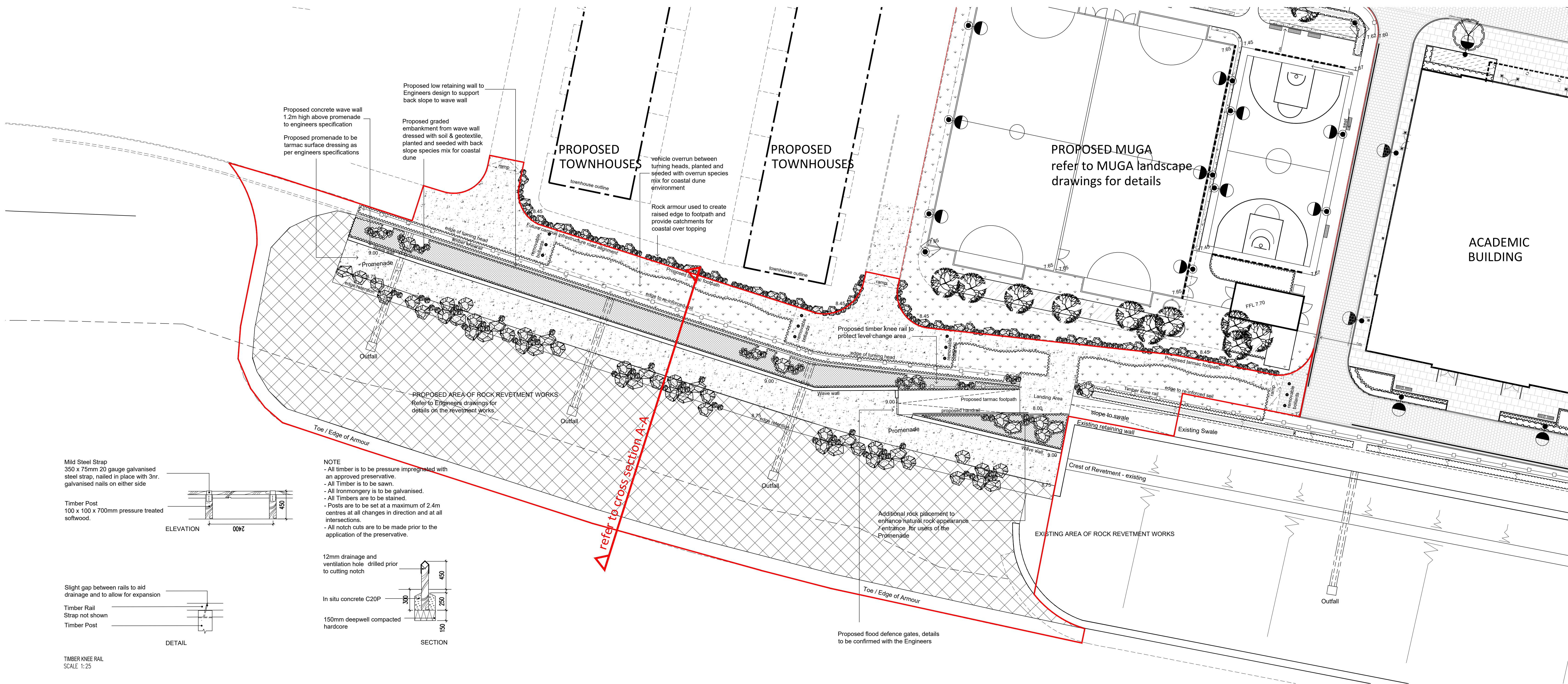
Note:
Main contractor to determine exact location of
services/drainage, this should be confirmed on site prior to
commencement of works to avoid tree pit / services conflicts
For external lighting and cctv details refer to M&E Engineers
drawings and specifications.

For drainage details refer to Civil Engineers drawings and
specifications.

All soil is subject to detailed testing and analysis and will be in
accordance with the soft landscape specification

All treatment of softwork areas to comply to BS4428 Code of
Practice for general landscape operations.

All softlandscape species plant type supplied for designated
areas are to be determined by the proposed planting season.
(ie bareroot or container grown stock).



Mild Steel Strap
350 x 75mm 20 gauge galvanneal
steel strap, nailed in place with 3nr.
galvanised nails on either side

Timber Post
100 x 100 x 700mm pressure treated
softwood.

ELEVATION

Slight gap between rails to aid
drainage and to allow for expansion

Timber Rail
Strap not shown
Timber Post

DETAIL

TIMBER KNEE RAIL
SCALE 1:25

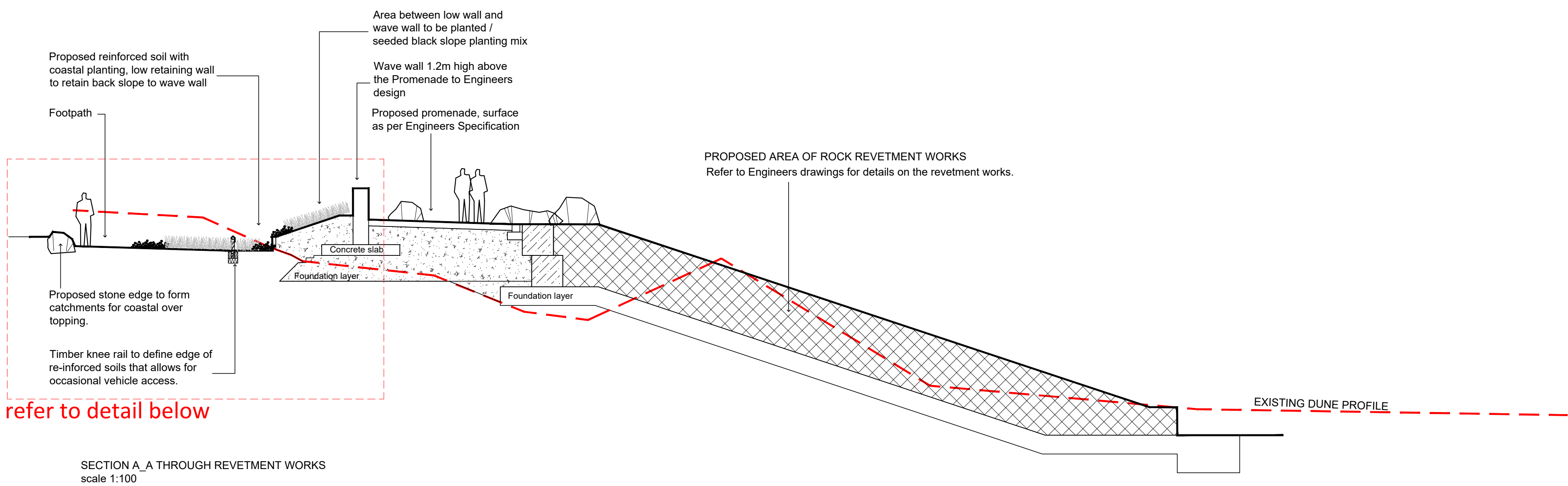
NOTE
- All timber is to be pressure impregnated with
an approved preservative.
- All Timber is to be sawn.
- All Ironmongery is to be galvanised.
- All Timbers are to be stained.
- Posts are to be set at a maximum of 2.4m
centres at all changes in direction and at all
intersections.
- All notch cuts are to be made prior to the
application of the preservative.

12mm drainage and
ventilation hole - drilled prior to
cutting notch

In situ concrete C20P

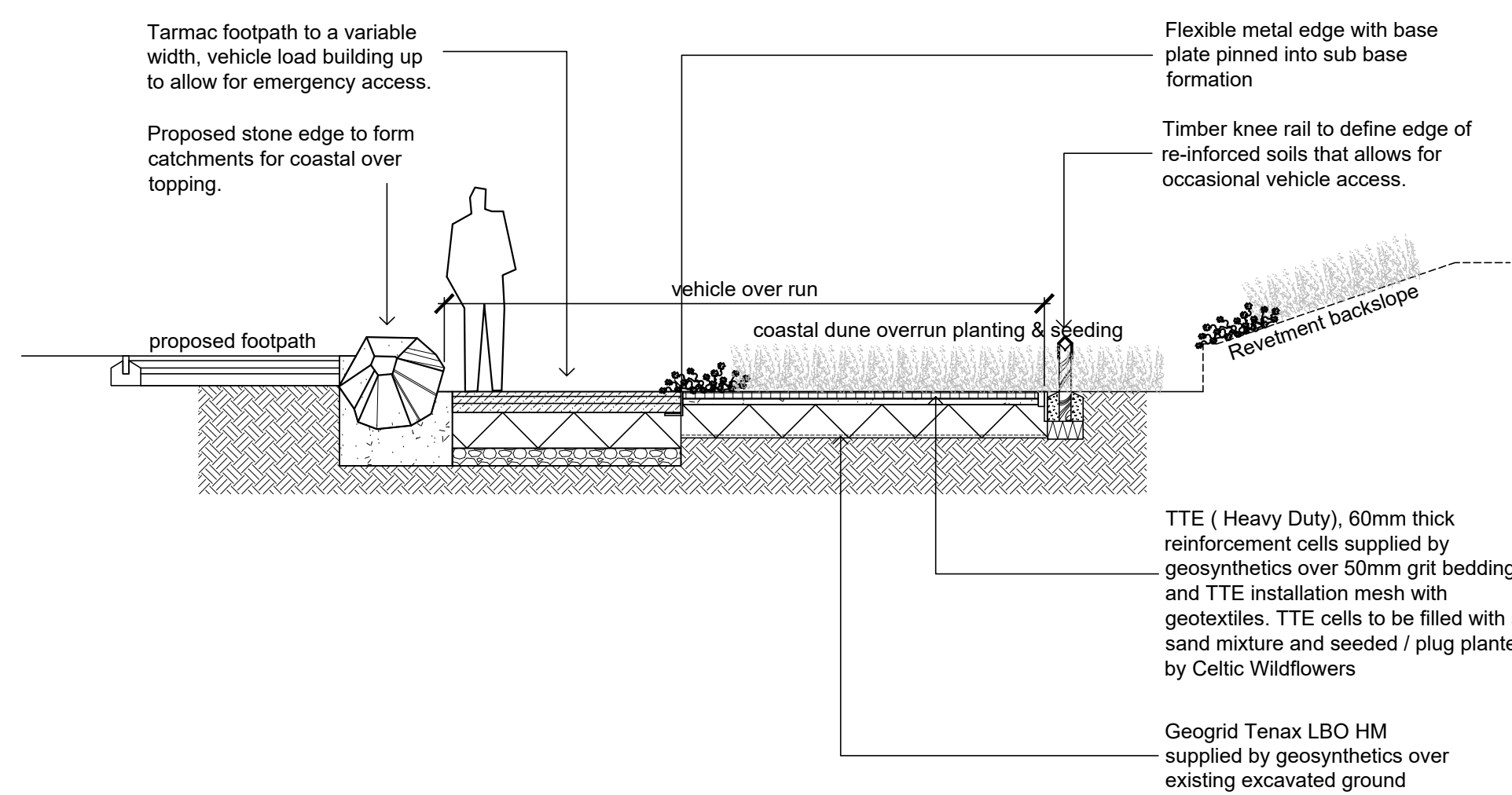
150mm deepwell compacted
hardcore

SECTION



refer to detail below

SECTION A-A THROUGH REVETMENT WORKS
scale 1:100



TYPICAL SECTION THROUGH ECOLOGICAL ISLANDS OPPOSITE THE TOWNHOUSE
scale 1:50

Swansea University Bay Science & Innovation Campus						
Proposed Softworks Planting Schedule		REVETEMENT WORKS _ TOWNHOUSE			PLANNING	
Proposed Hedge Planting	Transplant	Size (cm)	(%Mix)	Density (m)	Numbers	Notes
Crataegus Monogyna	1 + 0	30-40	30	1		Planted at 450m centres per linear metre in double- staggered row, randomly in groups of 3-5. To be staked and mulched.
Ilex aquifolium	1 + 0	30-40	20	1		
Prunus spinosa	1 + 0	30-40	30	1		
Rosa arvensis	1 + 0	30-40	20	1		
Plant Mix for Back Slope		Celtic Wildflowers Ltd - Coastal Area Seed Mix Native and of local provenance	plants / sq m			
Kidney Vetch	Antyllis vulneraria	2				
Sea Rocket	Cakile maritima	1				
Sea Bindweed	Calystegia soldanella	0.5				
Wild Carrot	Daucus carota ssp. carota	1				
Viper's Bugloss	Echium vulgare	2				
Sea Holly	Eryngium maritimum	1				
Lady's-bedstraw	Galium verum	2				
Sea Sandwort	Horikentia peploides	1				
Common Bird's-foot Trefoil	Lotus corniculatus	2				
Sea Stock	Matthiola sinuata	0.5				
Restharrow	Ononis repens	2				
Heath Dog-violet	Viola canina	0.5				
Dune Pansy	Viola tricolor subsp. curtisii	0.5				
Marram Grass	Ammophila arenaria	4				
A seed mix mirroring above species list to be sown at 2grams / sqm over back slope						
Plant Mix for Vehicle Overrun		Celtic Wildflowers Ltd - Coastal Area Seed Mix Native and of local provenance	plants / sq m			
Yarrow	Achillea millefolium	2				
Kidney Vetch	Antyllis vulneraria	2				
Carline Thistle	Carlina vulgaris	0.5				
Blue Fleabane	Erigeron acris	1				
Lady's-bedstraw	Galium verum	4				
Rough Hawkbit	Leontodon hispidus	3				
Common Bird's-foot Trefoil	Lotus corniculatus	3				
Red Bartisia	Odontites vernus	5				S = seed only
Restharrow	Ononis repens	2				
Yellow Rattle	Rhinanthus minor	5				S = seed only
Biting Stonecrop	Sedum acre	2				
Hare's-foot Clover	Trifolium arvense	0.5				
Red Clover	Trifolium pratense	5				S = seed only
Marram Grass	Ammophila arenaria	4				
A seed mix mirroring above species list to be sown at 2grams / sqm to overrun area						

S2	P05	26.11.2019	Issued for Planning - redline boundary shown
S2	P04	24.04.2019	Planting mix updated following site meeting with Barry Stewart
S2	P03	19.03.2019	Amendment amendment following Design Team comment
S2	P02	05.03.2019	Issued following DTM workshop
S2	P01	12.12.2018	Issued for PLANNING

STATUS	REV	DATE	DESCRIPTION	CLIENT	REVISOR
				SWANSEA UNIVERSITY Bay Science & Innovation Campus	GAM
					GMck
				ORIGINATOR NO	152617

CONSULTANT
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PROJECT
SWANSEA UNIVERSITY, BAY CAMPUS
FABIAN WAY

PHASE 2B WORKS

DRAWING TITLE
LANDSCAPE PLAN
REVETMENT WORKS TO
TOWNHOUSES & MUGA BOUNDARY

SUITABILITY STATUS
PL PLANNING

SCALE
1:250@A0

PROJECT | ORIGINATOR | ZONE | TITLE | ROLE | CLASSIFICATION | NUMBER
SU-PH2B-XX-LA-STL-DR-700-0901

REVISION
P05