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Project Title: Gatewen Road
Document ENZ01.XX.SH.L.45.401 **REV:** PL04
Project Number: MAN.1154.029 **Soft Landscape Schedule**

QTY	UNIT	CODE	PLANT NAME	STOCK	FORM	GIRTH/HEIGH	SPECIFICATION
Trees							
4	No.	ACE CAM hs	Acer campestre	RB	STD	12-14cm	3x; Heavy Standard; clear stem minimum 200cm; 5 breaks
7	No.	ACE STR hs	Acer campestre 'Streetwise'	RB	STD	12-14cm	
12	No.	ACE ROY xhs14	Acer platanoides "Royal Red"	RB	STD	14-16cm	
15	No.	ALN GLU hs	Alnus glutinosa	RB	STD	12-14cm	
10	No.	AME ROB xhs12	Amelanchier lamarckii "Robin Hill"	RB	STD	12-14cm	3x; Heavy Standard; clear stem 175-200cm; 300-350cm height;5 breaks
21	No.	AME LAM ms150	Amelanchier lamarckii	RB	MSTEM3	150-175cm	Bushy; 3 stems minimum
6	No.	BET ERM ss	Betula ermanii	RB	STD	12-14cm	3x; Heavy Standard; clear stem minimum 200cm; 5 breaks
12	No.	BET JAC ms2	Betula utilis "Jaquemontii"	RB	MSTEM2	175-200cm	2x; multi stem; bushy; 2 stems
14	No.	BET JER ms3	Betula utilis "Jermyns"	C 45L	MSTEM3	200-250cm	
16	No.	BET TRI xhs14	Betula pendula "Tristis"	RB	STD	14-16cm	3x: extra heavy standard: clear stem 175-200cm: 5 brks; 400-450ht
11	No.	BET FAS hs	Betula pendula "Fastigiata"	RB	STD	12-14cm	3x; heavy standard; clear stem minimum 175-200, 350-425cm ht; 5 breaks
13	No.	CAR BET hs	Carpinus betulus	RB	STD	12-14cm	
4	No.	CAS SAT ss	Castanea sativa	B	STD	10-12cm	
14	No.	COR AVE ms3	Corylus avellana	RB	MSTEM3	200-250cm	
4	No.	COR AVE Pur ms3	Corylus avellana 'Purpurea'	RB	MSTEM3	200-250cm	
7	No.	CRA PAU ss	Crataegus laevigata "Pauls Scarlet"	RB	STD	10-12cm	2x; select standard;clear stem minimum 175-200, 300-350cm ht; 4 breaks
8	No.	CRA MON ss	Crataegus monogyna	RB	STD	10-12cm	2x; SS; clear stem 175-200cm; 4 brks
11	No.	CRA PRU ms3	Crataegus prunifolia	RB	MSTEM3	200-250cm	
12	No.	GIN BIL xhs	Ginkgo biloba	RB	EHS	14-16cm	3x; extra heavy standard; clear stem minimum 200cm; 400-450cm ht
28	No.	Pin syl c250	Pinus sylvestris	C 75L	CON	250-300cm	
7	No.	Pop ITAL hs12	Populus nigra 'Italica'	RB	STD	12-14cm	
7	No.	Pru avi xhs14	Prunus avium	B	STD	14-16cm	3x; extra heavy standard;clear stem minimum 175-200, 400-450cm ht; 5 breaks
6	No.	QUE PAL xhs14	Quercus palustris	RB	STD	14-16cm	3x; Extra Heavy Standard; clear stem 175-200cm; 5 breaks
35	No.	QUE ROB hs	Quercus robur	RB	STD	12-14cm	3x; heavy standard; 175-200cm clear stem, 5 breaks
12	No.	SAL PEN xhs14	Salix babylonica pekinensis 'Pendula'	RB	STD	14-16cm	3x; Extra Heavy Standard; clear stem 175-200cm; 5 breaks; 400-450cm ht
10	No.	SOR Fas hs	Sorbus aucuparia "Fastigiata"	RB	STD	12-14cm	3x; Heavy Standard; clear stem 175-200cm; 5 breaks
15	No.	SOR AUC hs	Sorbus aucuparia	RB	STD	12-14cm	3x; HS; clear stem 175-200cm; 5 brks
20	No.	ULM NEW ss	Ulmus "New Horizon	B	STD	10-12cm	3x; extra heavy standard;clear stem minimum 175-200, 425-600cm ht; 5 breaks

PERCENT	QTY	UNIT	PLANT NAME	STOCK	SIZE	SPECIFICATION
Hedge Mixes						
173m NATIVE HEDGE MIX 4 planted @ 6/m in a Double Staggered Row						
25%	260	No.	Carpinus betulus	B Trans	60-80cm	
25%	260	No.	Prunus spinosa	B Trans	60-80cm	
20%	208	No.	Corylus avellana	B Trans	60-80cm	
20%	208	No.	Cornus sanguinea	B Trans	60-80cm	
5%	52	No.	Ilex aquifolium	C 3L	40-60cm	
5%	52	No.	Rosa canina	B Trans	60-80cm	
To be planted in species groups of approximately 5.						
340m NATIVE HEDGE MIX 18 planted @ 6/m in a Double Staggered Row						
5%	102	No.	Acer campestre	B Trans	60-80cm	1+1; Transplant - seed raised
5%	102	No.	Corylus avellana	B Trans	60-80cm	1+2; Transplant - seed raised; branched; 3 breaks
60%	1224	No.	Crataegus monogyna	B Trans	60-80cm	1+1; Transplant - seed raised; branched; 3 breaks
5%	102	No.	Ilex aquifolium	C 3L	40-60cm	Leader with laterals
1%	20	No.	Lonicera periclymenum	B Trans	60-80cm	1+1; Transplant - seed raised; branched; 2 breaks
14%	286	No.	Prunus spinosa	B Trans	60-80cm	1+1; Transplant - seed raised; branched; 2 breaks
5%	102	No.	Rosa canina	B Trans	60-80cm	1+1; Transplant - seed raised; branched; 3 breaks
5%	102	No.	Viburnum opulus	B Trans	60-80cm	1+2; Transplant - seed raised; branched; 3 breaks
To be planted in a double staggered row, 450mm between rows and 450mm between plants, planted in single species groups of 9, 11-15no plants. Planted with rabbit spiral guards, (mesh for holly).						
196m NATIVE HEDGE MIX 22 planted @ 6/m in a Double Staggered Row						
15%	176	No.	Acer campestre	B Trans	40-60cm	1+1; Transplant - seed raised; branched; 2 breaks
50%	588	No.	Prunus spinosa	B Trans	60-80cm	1+1; Transplant - seed raised
5%	59	No.	Viburnum opulus	B Trans	60-80cm	1+2; Transplant - seed raised; branched; 3 breaks
10%	118	No.	Ilex aquifolium	C 3L	40-60cm	Leader with laterals
5%	59	No.	Lonicera pericylamen	C 3L	40-60cm	In pot with cane
15%	176	No.	Crataegus monogyna	B Trans	60-80cm	1+1; Transplant - seed raised; branched; 2 breaks
To be planted in species groups of approximately 9-15. Notch plant in a double staggered row, 450mm between rows, 450mm centres (6no. Per lin.m), notch planted with rabbit protection and staked.						

QTY	UNIT	CODE	PLANT NAME	STOCK	SIZE	SPECIFICATION
Hedges						
170	m	Hornbeam Hedge	Carpinus betulus	B Trans	60-80cm	
1020	No.	Plants spaced @ 6/m in a Double Staggered Row				
402	m	Holly Hedge 6/m	Ilex aquifolium	C 3L	40-60cm	
2412	No.	Plants spaced @ 6/m in a Double Staggered Row				
148	m	Vib Eve Hedge 5/m	Viburnum tinus "Eve Price"	C 3L	40-60cm	
740	No.	Plants spaced @ 5/m in a Double Staggered Row				
171	m	Yew Hedge 3L	Taxus baccata	C 3L	40-60cm	
684	No.	Plants spaced @ 4/m in a Double Staggered Row				

PERCENT	QTY	UNIT	PLANT NAME	STOCK	SIZE	SPECIFICATION
Plant Mixes						
63m2 GROUNDCOVER MIX 9 planted @ 4/m2						
25%	63	No.	Geranium macrorrhizum "Album"	C 2L	20-30cm	Full pot
15%	38	No.	Liriope muscari	C 3L	20-30cm	Full pot
25%	63	No.	Euonymus fortunei 'Emerald Gaiety'	C 3L	20-30cm	Bushy: 5 Breaks
35%	88	No.	Vinca minor "Gertrude Jekyll"	C 3L	20-30cm	Several shoots; 3 breaks
Individual varieties to be planted in groups of between 3 and 5.						
51m2 GROUNDCOVER MIX 10 planted @ 4/m2						
15%	31	No.	Santolina chamaecyparissus	C 3L	20-30cm	Bushy; 7 breaks
25%	51	No.	Sedum 'Autumn Joy'	C 3L	20-30cm	Full pot
30%	61	No.	Santolina virens	C 3L	20-30cm	Bushy: 7 brks
30%	61	No.	Vinca minor "Gertrude Jekyll"	C 3L	20-30cm	Several shoots; 3 breaks
Individual varieties to be planted in groups of between 3 and 5.						
29m2 LOW GROUNDCOVER MIX 3 planted @ 4/m2						
40%	46	No.	Hebe brachysiphon 'White Gem'	C 3L	30-40cm	Bushy; 5 breaks
30%	35	No.	Lavandula angustifolia 'Hidcote'	C 3L	20-30cm	Bushy; 5 breaks
30%	35	No.	Potentilla fruticosa 'Abbotswood'	C 5L	30-40cm	Bushy; 5 breaks
181m2 SHADE MIX 5 planted @ 5/m2						
10%	91	No.	asplenium scolopendrium	0.5L	Full pot	
5%	45	No.	Betonica officinalis	50cc	Plug; established root 2-3 months min	
10%	91	No.	Campanula trachelium	50cc	Plug; established root 2-3 months min	
5%	45	No.	Deschampsia cespitosa	0.5L	Full pot	
10%	91	No.	Digitalis purpurea	50cc	Plug; established root 2-3 months min	
5%	45	No.	Blechnum spicant	0.5L	Full pot	
10%	91	No.	Hyacinthoides non-scripta	grade 8/9	Bulb	
10%	91	No.	Primula vulgaris	50cc	Plug; established root 2-3 months min	
5%	45	No.	Prunuella vulgaris	50cc	Plug; established root 2-3 months min	
5%	45	No.	Silene dioica	50cc	Plug; established root 2-3 months min	
10%	91	No.	Stachys sylvatica	50cc	Plug; established root 2-3 months min	
10%	91	No.	polypodium vulgare	0.5L	Full pot	
5%	45	No.	Filipendula ulmaria	50cc	Plug; established root 2-3 months min	
Individual varieties to be planted in groups of approximately 5-15 as part of an overall mix, individual specimens to be planted in groups to create drifts.						
263m2 ORNAMENTAL MIX 6 MUNCIPAL PLANTING planted @ 6/m2						
10%	158	No.	Achillea millefolium	C 1L		Full Pot
12%	189	No.	Carex oshimensis 'Evergold'	C 3L		Full Pot
5%	79	No.	Carex pendula	C 2L		Full Pot
8%	126	No.	Hackonechla macra aureola	C 2L		Full Pot
6%	95	No.	Iris sibirica	C 2L		Full Pot
8%	126	No.	Luzula nivea	C 1L		Full Pot
8%	126	No.	Molinia caerulea arundinacea 'Poul Petersen'	C 0.5L		Full Pot
10%	158	No.	Ornithogalum umbellatum			Grade 5/6
12%	189	No.	Rudbekia fulgida var sullivanti	C 2L		Full Pot
8%	126	No.	Stipa tenuifolia	C 2L		Full Pot
8%	126	No.	Valeriana officinalis	C 2L		Full Pot
5%	79	No.	Verbena bonariensis	C 2L	20-30cm	Full pot
All plant varieties to be planted as part of an overall mix, individual specimens to be planted in groups to crete bold swathes at a density of 6 per m2. Individual species to be planted in groups of approximately 7-12, apart from Achillea, Ornithogalum, Valeriana, and Verbena which are to be planted in groups of 1-3. Ensure an even distribution of species groups throughout planting bed, with Achillea, Ornithogalum, Valeriana, and Verbena to centre of bed.						
687m2 NATIVE SHRUB THICKET MIX planted @ 1m centres						
10%	69	No.	Acer campestre	B Trans	60-80cm	1+1; Transplant - seed raised
25%	172	No.	Corylus avellana	B Trans	60-80cm	1+2; Branched; 3 breaks
30%	206	No.	Crataegus monogyna	B Trans	60-80cm	1+2; Transplant - seed raised
5%	34	No.	Ilex aquifolium	C 3L	60-80cm	Leader with laterals
5%	34	No.	Prunus avium	B FTH	150-175cm	
10%	69	No.	Prunus spinosa	B Trans	60-80cm	1+1; Branched; 2 breaks
5%	34	No.	Rosa arvensis	B Trans	60-80cm	1+1; Branched; 2 breaks
10%	69	No.	Viburnum opulus	B Trans	60-80cm	1+2; Branched; 3 breaks
Individual varieties to be planted in groups of between 7 and 11, except for Rosa arvensis, Prunus spinosa and Prunus avium which should be planted between 1 and 3. Notch planted with rabbit protection (minimum 600mm height) and staked. Ilex to have mesh rabbit protection.						

246m2 GROUNDCOVER MIX planted @ 5/m2

20%	246	No.	Lamium maculatum	C 1L	Full pot;
20%	246	No.	Aguja reptens	C 1L	Full pot;
20%	246	No.	Pachysandra terminalis	C 1L	Full pot;
10%	123	No.	Bergenia cordifolia 'Purpurea'	C 1L	Full pot;
10%	123	No.	Dryopteris erythrosora	C 2L	Full pot;
5%	62	No.	Hemerocallis "Stella d'Oro"	C 2L	Full pot;
5%	62	No.	Lazula nivea	C 1L	Full pot;
5%	62	No.	Kniphofia uvaria	C 2L	Full pot;
5%	62	No.	Crocosmia 'Mistral'	C 2L	Full pot;

Individual varieties to be planted in groups of approximately 3-5. Lamium and Ajuga planted to outer edge of bed. Bergenia, Dryopteris, Lazula and Pachysandra to be planted to rear of the bed. Crocosmia, Hemerocallis and Kniophofia to be planted in groups of 1-3 and scattered throughout beds.

95m2 SUN MIX planted @ 4/m2

25%	95	No.	Lavandula angustifolia 'Vera'	C 1L	Full pot;
20%	76	No.	Salvia nemorosa 'Caradonna'	C 1L	Full pot;
10%	38	No.	Stipa tenuissima	C 1L	Full pot;
25%	95	No.	Rudbekia fulgida 'Goldsturm'	C 1L	Full pot;
20%	76	No.	Bergenia 'Schneekissen'	C 1L	Full pot;

All plant varieties to be planted as part of an overall mix, individual specimens to be planted in groups to crete bold swathes at a density of 4 per m2. Individual species to be planted in groups of approximately 9-11, apart from Stipa spp. which are to be planted in groups of 1-3. Ensure an even distribution of species groups throughout planting bed, with Salvia and Begenia spp. planted to outer edges.

QTY	UNIT	CODE	PLANT NAME	STOCK	SIZE	SPACING	SPECIFICATION
Shrubs							
2	No.	Ame lam 10L	Amelanchier lamarkii	C 10L	100-125cm	1/m2	Branched; 6 breaks
4	No.	Cor Kou 10L	Cornus kousa	C 10L	80-100cm	2/m2	Branched; 5 breaks
4	No.	Hed hel	Hedera helix	C 2L	40-60cm	6/m2	Several shoots;3 breaks

QTY	UNIT	CODE	PLANT NAME	STOCK	HEIGHT	HABIT	SPECIFICATION
Climbers							
12	No.	Cle vit 2L	Clematis vitalba	C 2L	60-80	Caned; several shoots; 2 breaks	
11	No.	Jas Gra	Jasminum officinale "Grandiflorum"	C 3L	60-80cm	Twiner	
14	No.	Lon per 3L	Lonicera periclymenum	C 3L	60-80cm	Caned; several shoots; 3 breaks	

QTY	UNIT	CODE	SEED MIX	RATE g/per m2	SPECIFICATION
Seed Mixes					
15,900	m2	AMG	Species Rich Amenity Grass seed/turf	6g/m2	
3936	m3	WF1	Pictorial meadows - native meadow	3g/m2	
2686	m4	WF2	Pictorial meadows - Woodland edge	3g/m2	
53	m5	WF3	Pictorial meadows - Wetland edge	3g/m2	

Notes and Abbreviations

B = Bare root (bagged).
C = Container (or pot) grown, followed by size of the container (or pot).
FORM = Shape of tree as supplied by the nursery.
Fth = Feather.
QTY = Quantity
RB = Rootballed (balled and wrapped).
SIZE = Height or Spread of juvenile plant.
Std = (clear stem) Standard.
STOCK = Root condition/protection method eg Bare root.
Trans = Transplant (or undercut seedling).

- Refer to specification for further information.
- All plants to be completely hardened off
- Substitutions to be agreed with Landscape Architect.