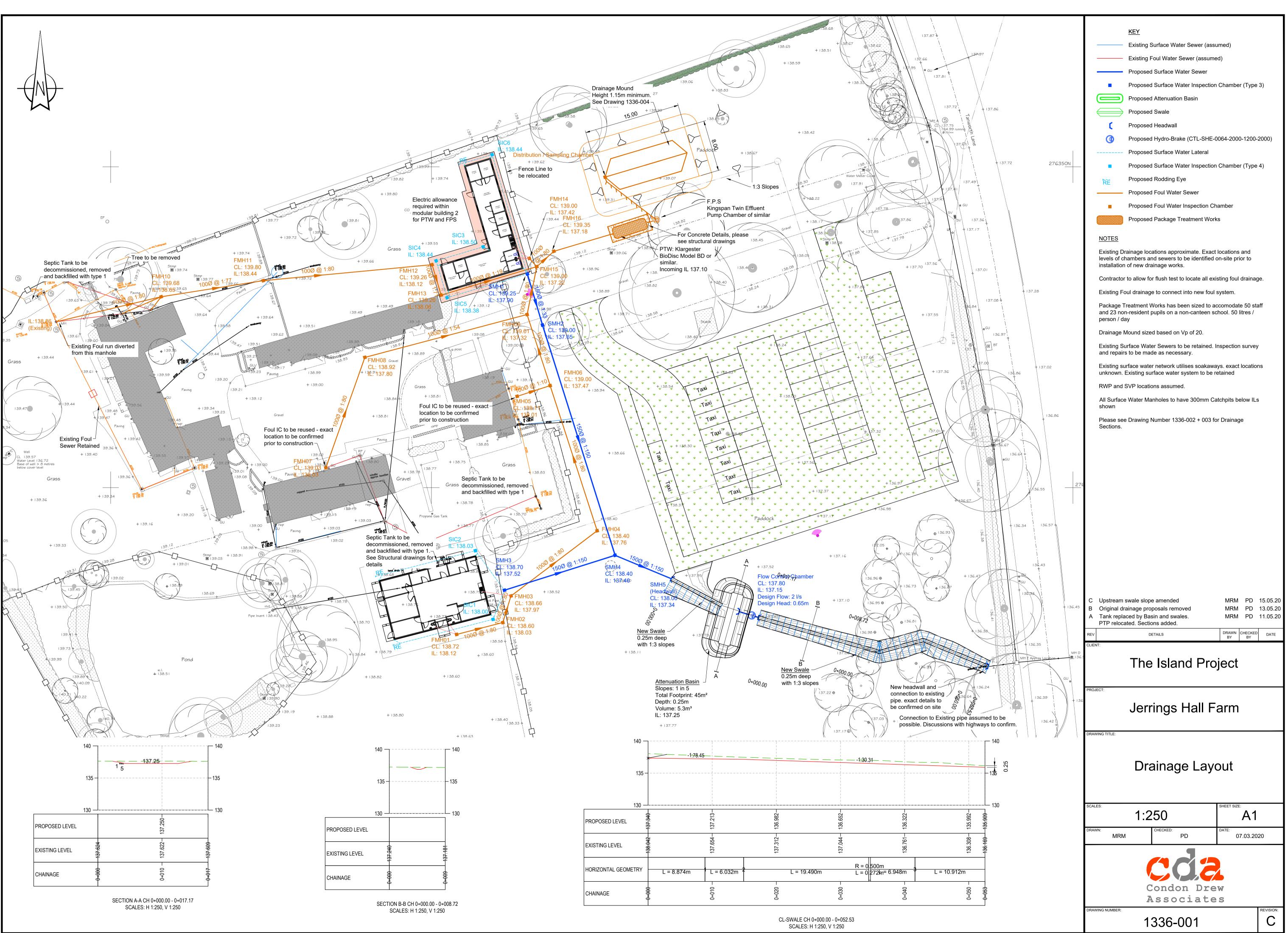
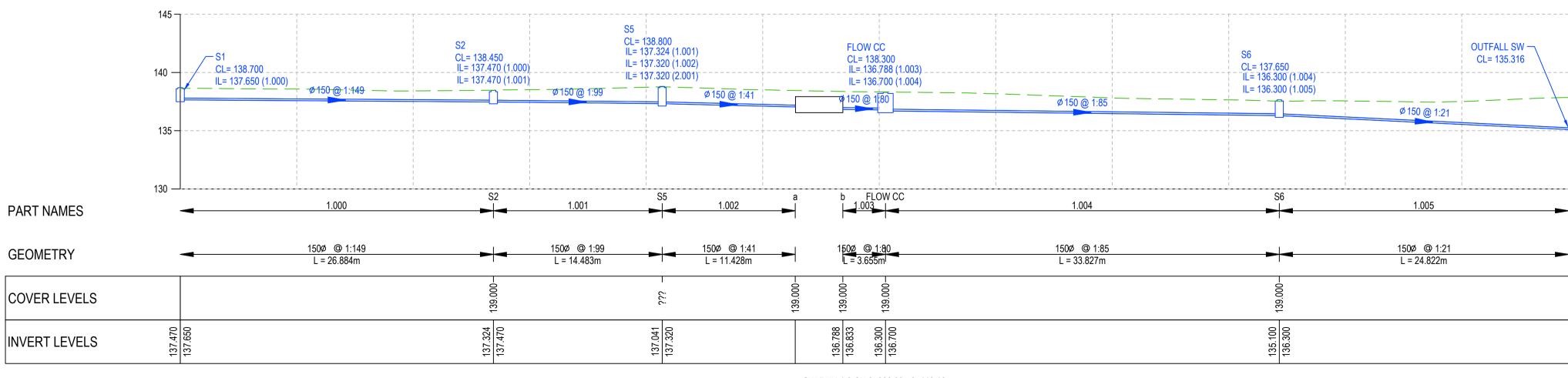
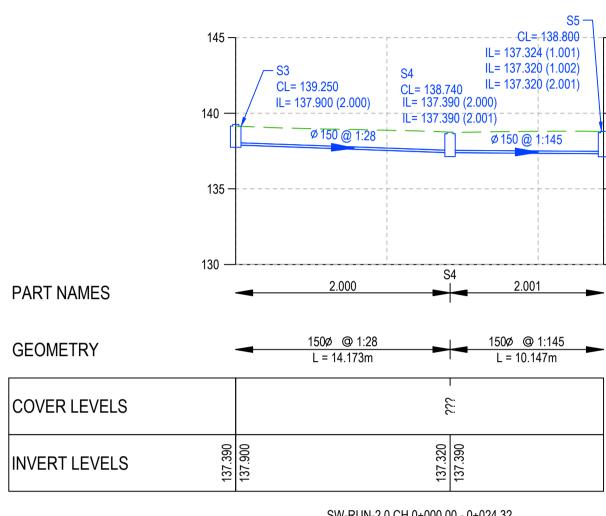


CONCRETE CLASS ST1 1200 GAUGE 25mm THICK DPM OR SIMILAR VG DETAIL	KEY 123.45 % Proposed Level to tie into existing Proposed Footway Construction Proposed Grasscrete Car Park December Proposed Contours	
	REV DETAILS CLIENT:	DRAWN CHECKED DATE
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	Jerrings Hall Fa	arm
	Proposed Lev	els
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	MRM PD	07.03.2020
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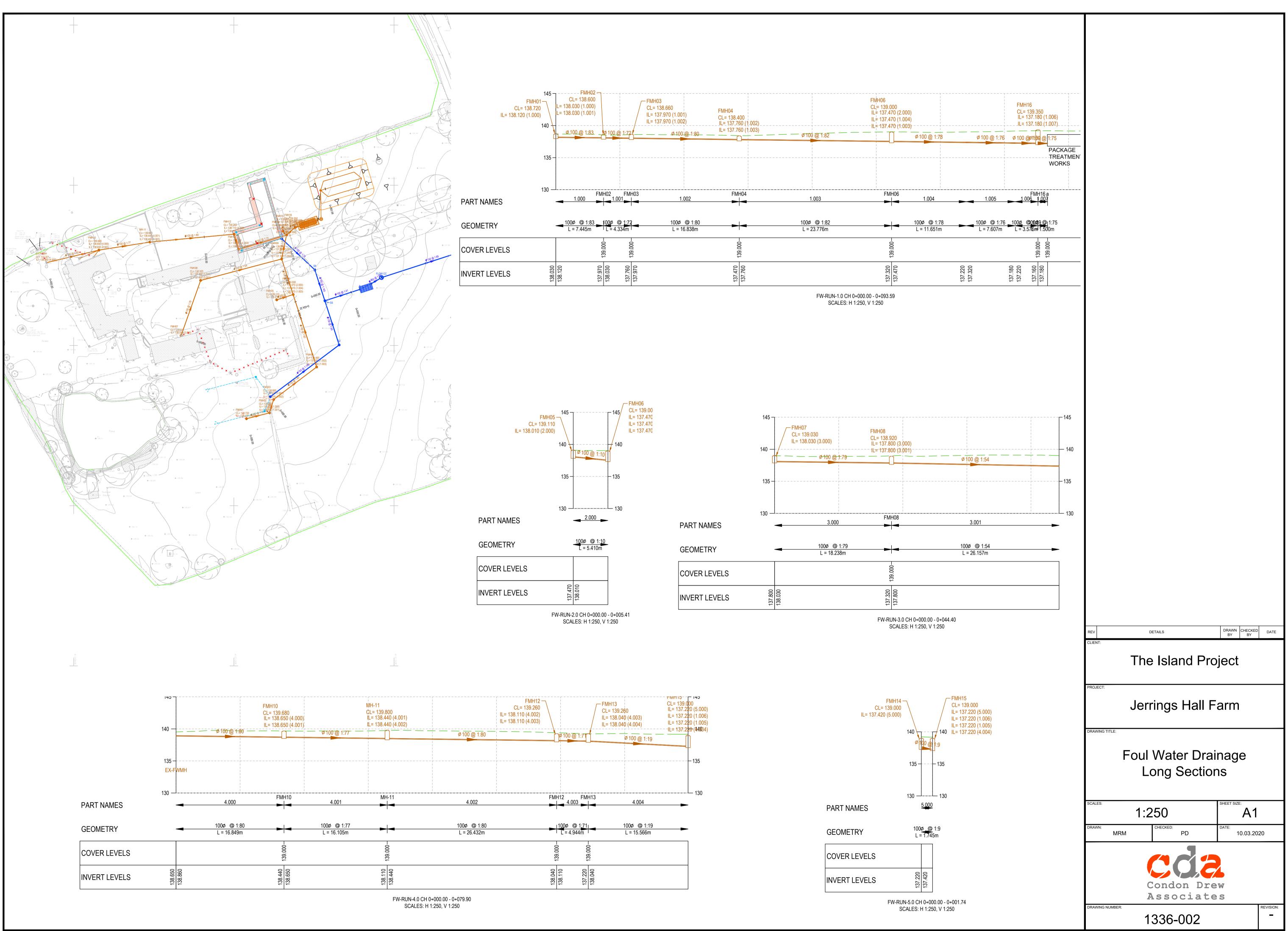


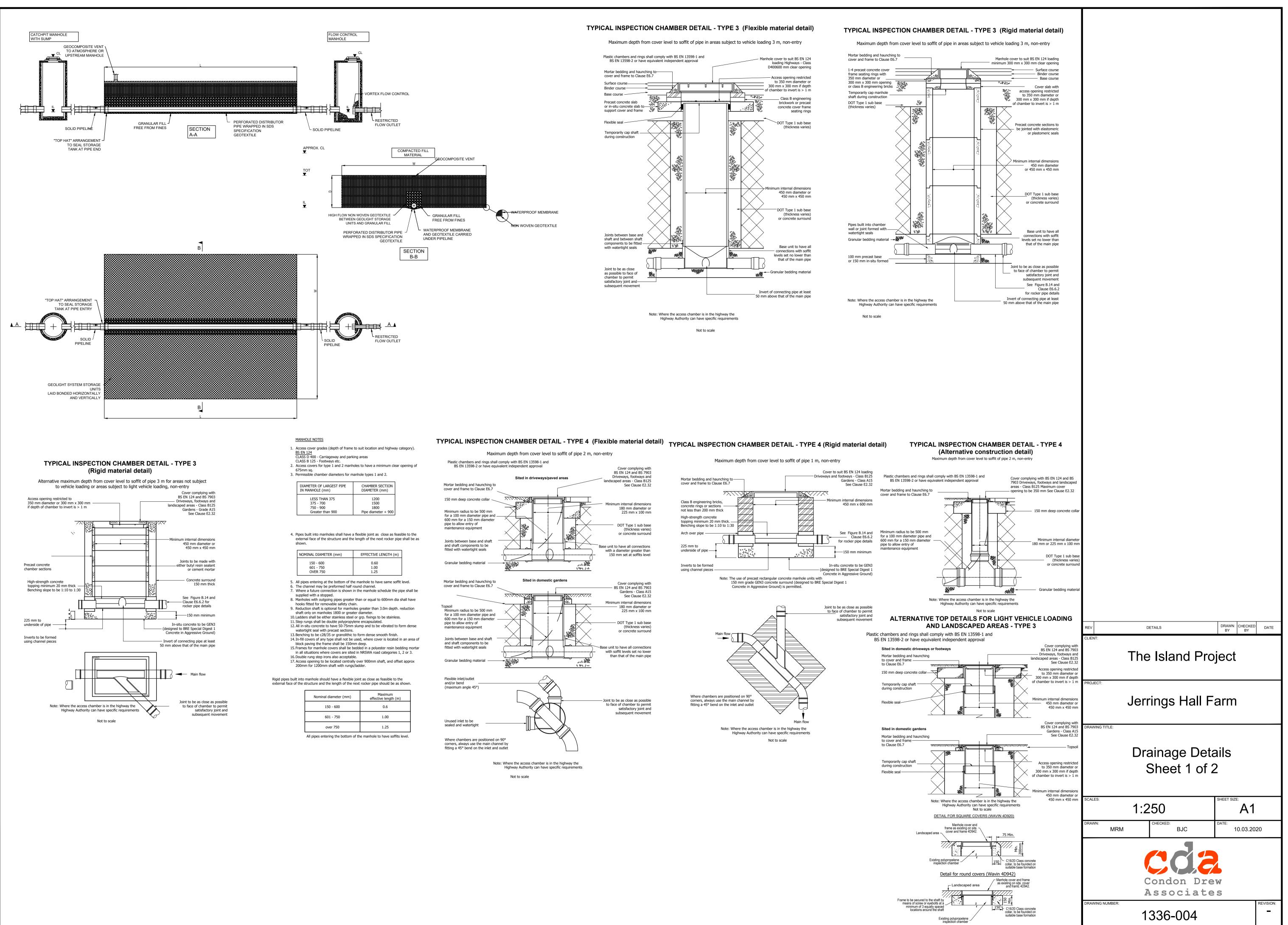


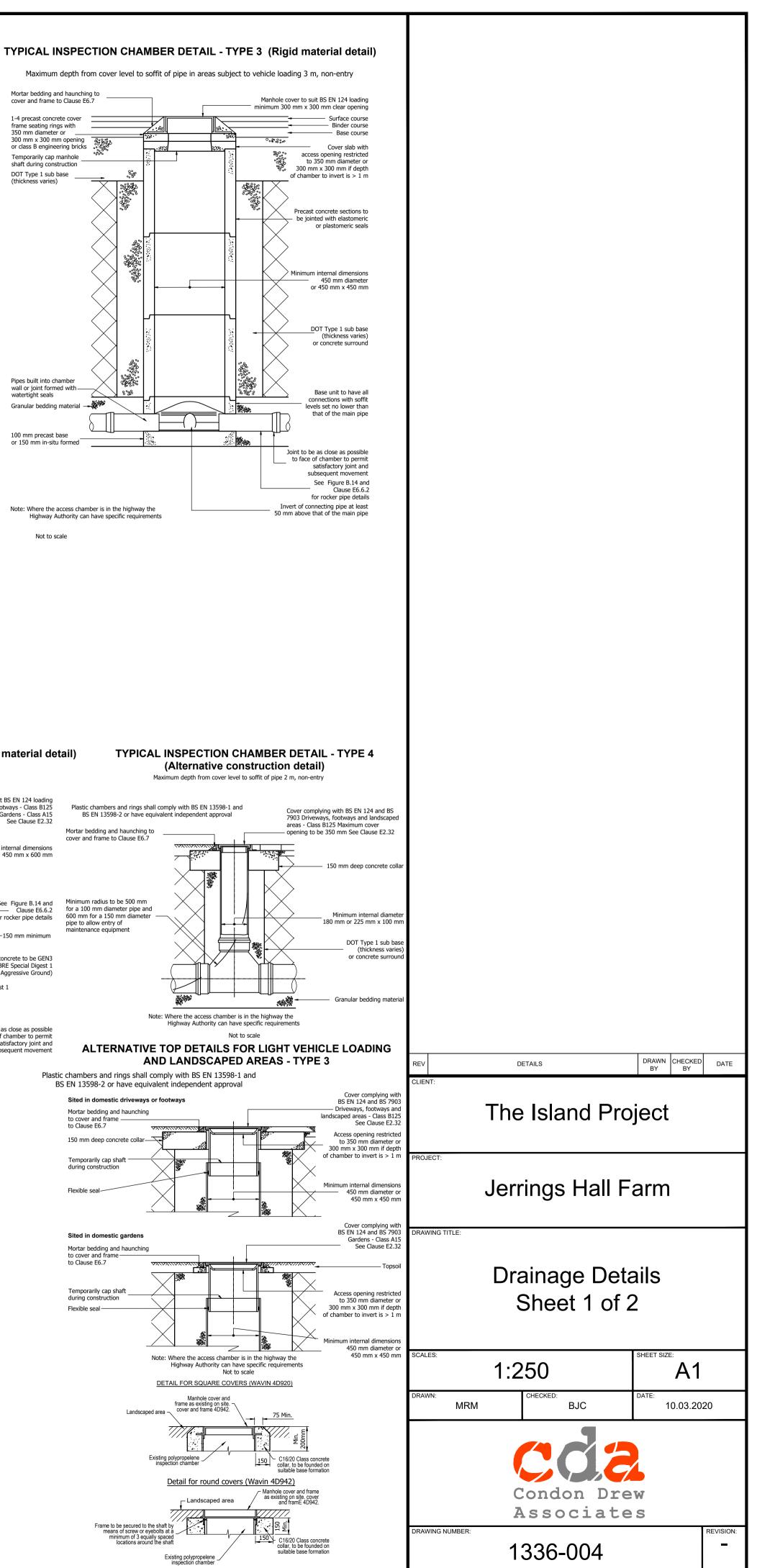
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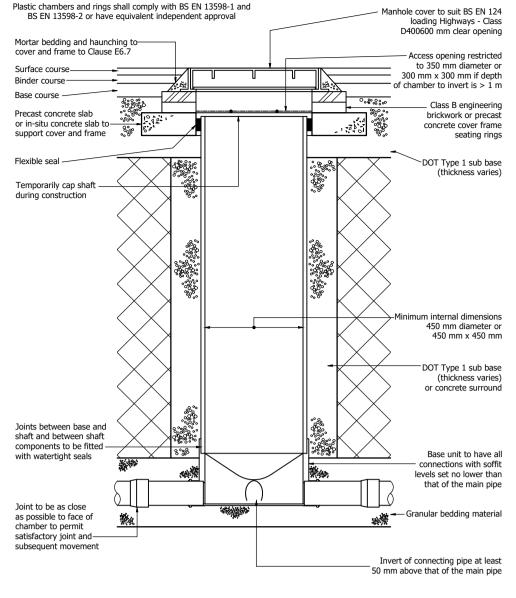
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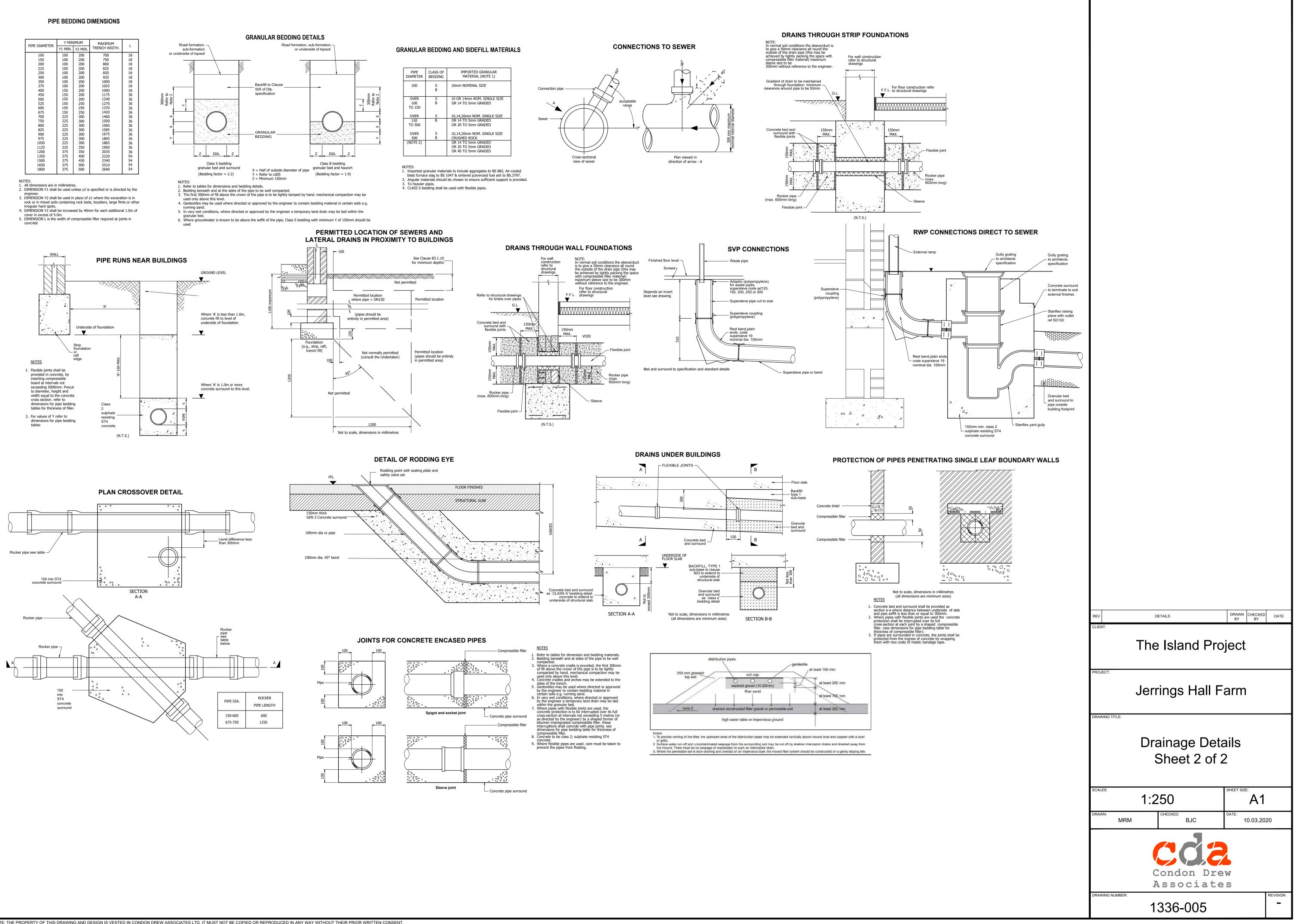
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- 140	PROJECT:	
- 135	Jerrings Hall Fa	arm
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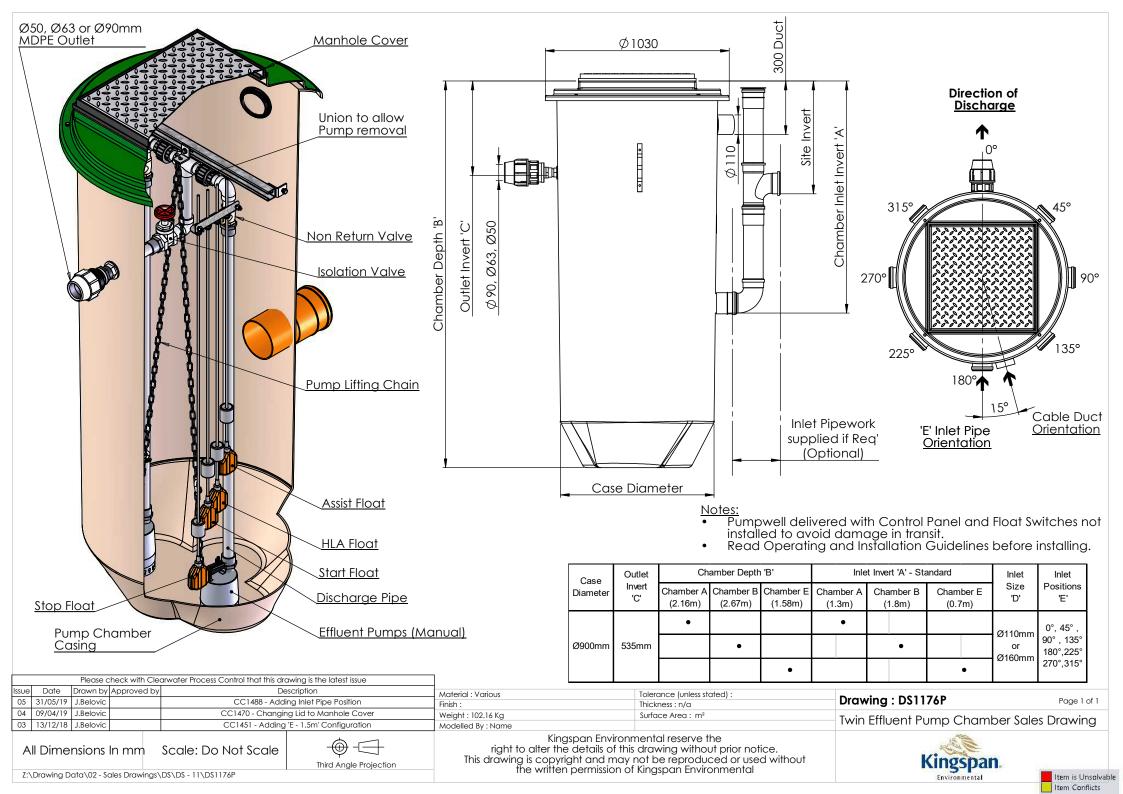


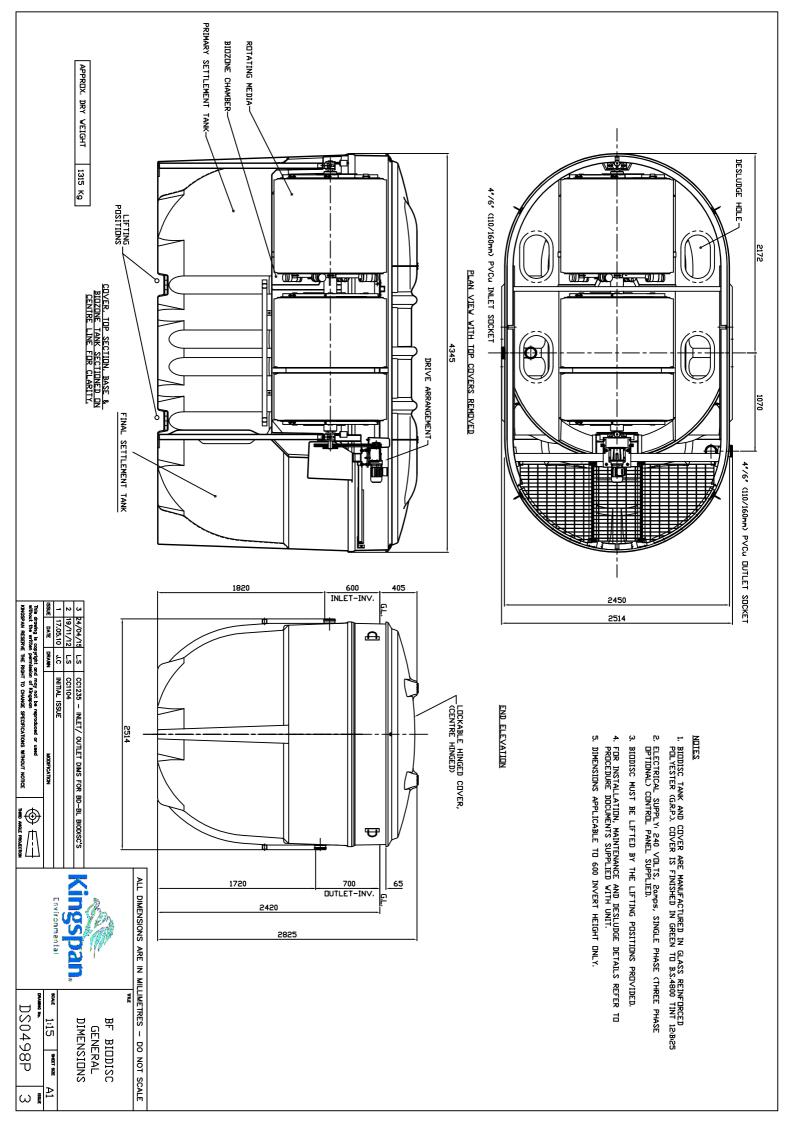


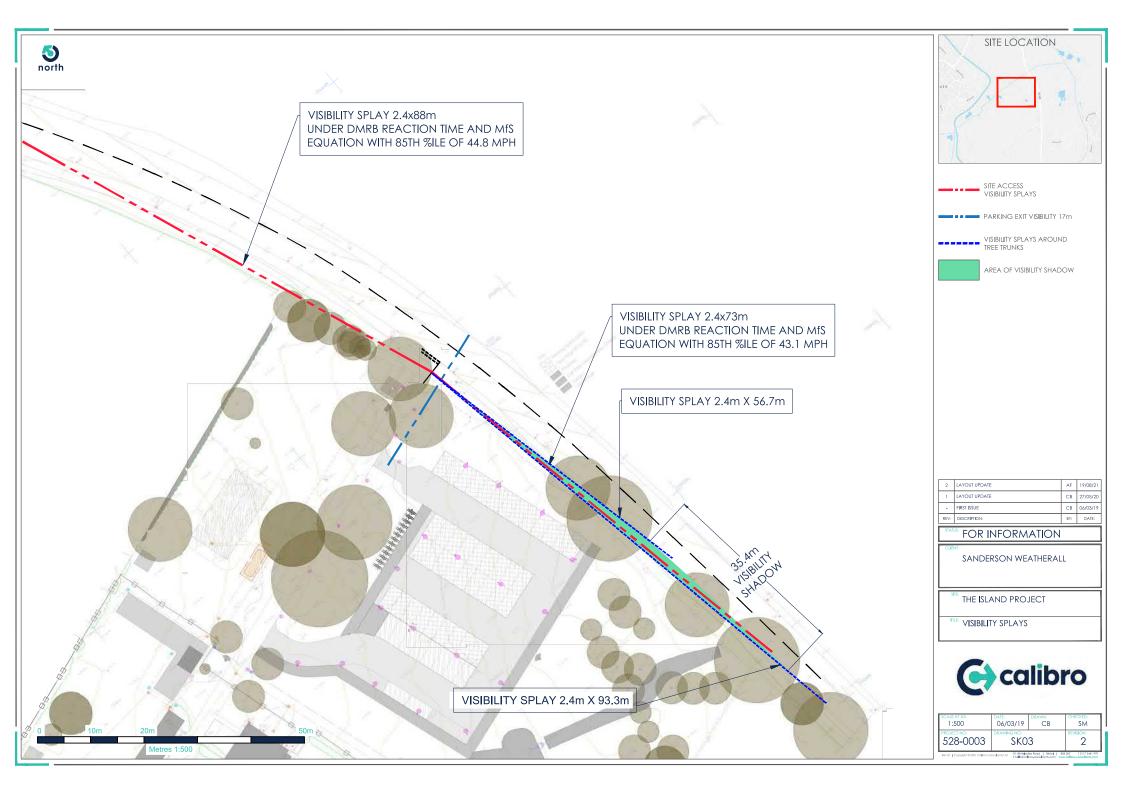




















Existing Vegetation to be Retained

Existing Trees to be Retained

Proposed Tree Mature Canopy Extent

Mature Canopy Extent Illustrated Proposed Shade Tolderant Wildflower Mix Suggested Species Mix: Emorsgate Wildflowers for Woodland Mix EW1F. Sowing rate: 1.5g/m2 \checkmark Proposed Amenity Grass Suggested Species Mix: Germinal A4 Low Maintenance Areas. Sowing rate: 35g/m2 Proposed Wildflower Meadow Mix Suggested Species Mix: Emorsgate EM10 Tussock Mixture. Sowing rate: 4g/m2 Proposed Wetland Grass - Wildflower Mix د عللد عللد Suggested Species Mix: Germinal seeds EP1 Pond Edge Mixture. Sowing rate: 4g/m2 Proposed Planting Bed Proposed Bulb Planting

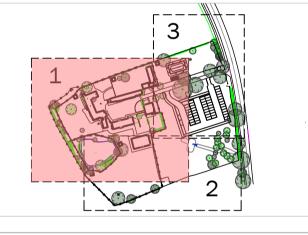
Proposed Structural Planting

Proposed Hedge Planting

Proposed Drainage Headwall

overview

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notes

For further guidance, refer to HSE Construction (Design and Management) Regulations 2015. revisions

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rev	by	chk	date	detail

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purpose of issue **PLANNING**

client

The Island Project

project title

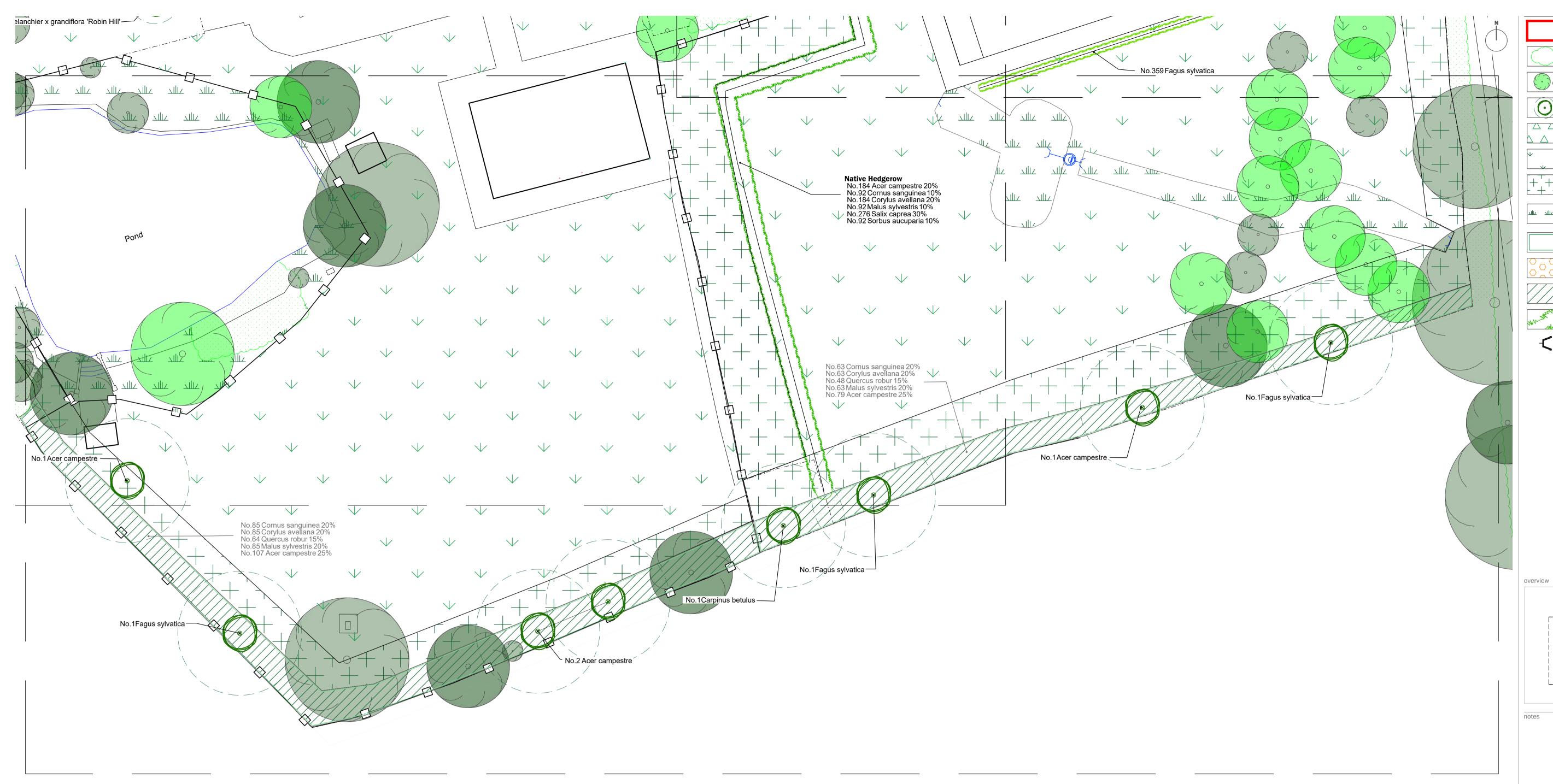
Jerrings Hall Farm, Dickens Heath

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		Sheet 1 of 4
date	28/05/2020	drawn by OW



the environmental dimension partnership

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Planting Schedule

Trees

Number	Common Name	Species	Girth	Height	Specification	Density
7	Common Maple	Acer campestre	12-14cm	350-425cm	RB :Heavy Standard :Clear Stem min. 200	Counted
6	Snowy Mespilus 'Robin Hill'	Amelanchier x grandiflora 'Robin Hill'	12-14cm		RB :Heavy Standard :Clear Stem 175-200	Counted
5	Common Hornbeam	Carpinus betulus	12-14cm	350-425cm	RB; 3x; Heavy Standard; clear stem 175-200cm; 5 breaks	Counted
3	Common Beech	Fagus sylvatica	14-16cm	400-450cm	Extra Heavy Standard :Clear Stem 175-200 :5 brks :RB	Counted
2		Malus domestica 'Braintree Seedling'	8-10cm	250-300cm	B :Standard :Clear Stem 150-175 :3 brks	Counted
4	Common Crab Apple	Malus sylvestris	12-14cm	350-425cm	Heavy Standard :Clear Stem 175-200 :RB :3x	Counted
5	Double Gean	Prunus avium 'Plena'	12-14cm	350-425cm	RB; 3x; Heavy Standard; clear stem 175-200cm; 5 breaks	Counted

Total :32

Shrubs

Number	Common Name	Species	Height	Pot Size	Specification	Density
237	Common Maple	Acer campestre	60-80cm		1+1 :Transplant	0.75Ctr
26		Chaenomeles superba 'Jet Trail'	30-40cm	3L	C:	4/m²
189	Common Dogwood	Cornus sanguinea	60-80cm		1+1 :Transplant	0.75Ctr
189	Common Hazel	Corylus avellana	60-80cm		1+1 :Transplant	0.75Ctr
30	Broom	Cytisus kewensis	20-25cm	3L	С	4/m²
30	Shrubby Veronica 'Carl Teschner'	Hebe 'Carl Teschner'	20-30cm	3L	С	4/m²
189	Common Crab Apple	Malus sylvestris	60-80cm		1+1 :Transplant	0.75Ctr
143	Common Oak	Quercus robur	60-80cm		1+1 :Transplant	0.75Ctr
Total :1033						

Bulbs

Number	Common Name	Species	Bulb Size	Specification	Density
324	Common Snowdrop	Galanthus nivalis		Grade 10/+	20/m²
324	English Bluebell	Hyacinthoides non-scripta		Grade 10/+	20/m²
429		Narcissus 'Tete a Tete'		Grade 10/+	20/m²
Total :1077					

Hedges

0					
Number	Common Name	Species	Height	Specification	Density
317	Common Maple	Acer campestre	100-125cm	1+2: Transplant - seed raised: B	0.3Ctr Triple Staggered at 0.3m offset
159	Common Dogwood	Cornus sanguinea	60-80cm	1+1: Transplant - seed raised: Branched: 3 brks: B	0.3Ctr Triple Staggered at 0.3m offset
317	Common Hazel	Corylus avellana	60-80cm	1+2: Transplant - seed raised: Branched: 3 brks: B	0.3Ctr Triple Staggered at 0.3m offset
740	Common Beech	Fagus sylvatica	80-100cm	B; 1+2; Transplant - seed raised	0.3Ctr
159	Common Crab Apple	Malus sylvestris	80-100cm	1+2: Transplant - seed raised: B	0.3Ctr Triple Staggered at 0.3m offset
475	Goat Willow	Salix caprea	80-100cm	0/2: Cutting: Branched: 2 brks: B	0.3Ctr Triple Staggered at 0.3m offset
159	Rowan	Sorbus aucuparia	80-100cm	1+1: Transplant - seed raised: B	0.3Ctr Triple Staggered at 0.3m offset
Total 0206					

Total :2326





Existing Vegetation to be Retained

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Existing Trees to be Retained

Proposed Tree Mature Canopy Extent

Mature Canopy Extent Illustrated Proposed Shade Tolderant Wildflower Mix Suggested Species Mix: Emorsgate Wildflowers for Woodland Mix EW1F. Sowing rate: 1.5g/m2 ✓ Proposed Amenity Grass Suggested Species Mix: Germinal A4 Low Maintenance Areas. Sowing rate: 35g/m2 Proposed Wildflower Meadow Mix Suggested Species Mix: Emorsgate EM10 Tussock Mixture. Sowing rate: 4g/m2 Proposed Wetland Grass - Wildflower Mix د علاد علاد Suggested Species Mix: Germinal seeds EP1 Pond Edge Mixture. Sowing rate: 4g/m2 Proposed Planting Bed Proposed Bulb Planting

Proposed Structural Planting

Proposed Hedge Planting

- Proposed Drainage Headwall

overview



notes

For further guidance, refer to HSE Construction (Design and Management) Regulations 2015. revisions

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purpose of issue **PLANNING**

client

The Island Project

project title

Jerrings Hall Farm, Dickens Heath

drawing title Detailed Landscape Design Proposals Sheet 2 of 4

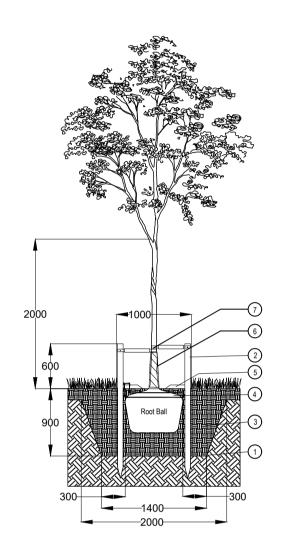
28/05/2020 drawn by **OW** date drawing number edp5137_d009 checked OK **1:200 @ A1** QA XXX scale

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Tree Pit Detail - For use in Public Open Space (POS)

1. Excavate tree pit to sufficient size to accommodate tree root ball with 300mm free space around the root ball. Loosen any compaction in base of excavated pit to aid drainage. The tree should be planted at a depth where the root flare is still visible, just breaching the soil surface, following backfilling.

2. 2x tanalised timber tree stakes 1.8m, 75mm Ø and crossbar driven into backfilled pit to provide support to the tree.

3. Backfill tree pit with subsoil and topsoil excavated from pit if this is regarded as of sufficient quality to promote the healthy establishment of the tree. If either the top soil or sub soil excavated from the pit is of poor quality, then soil ameliorants may be used sparingly or imported topsoil compliant with BS3882 should be used.

4. RootRain Metro irrigation system or similar approved. Place around top of root ball and nail to supporting stake, ensuring filler cap finishes slightly above mulch level.

5. 75mm deep bark mulch layer to be spread evenly over a circular area 1000mm Ø around the tree to prevent weed growth and retain moisture. Alternatively, a suitable mulch mat can be used covering the same area.

6. Clear spiral guard to be fitted to trunk to protect against animal browsing. 7. Use two tree ties comprising nylon reinforced rubber belt with two spacers, fixed to tree stakes in accordance with manufacturers guidance. (Green Blue Urban GLB35B (35mm wide belt) and GLPFFA (38mm Plastic Sleeve) or similar approved)

Immediately after planting, water the tree, saturating the tree pit to field capacity.

For further guidance on tree planting refer to BS 8545:2014 Section 10. Products underlined above are available from Green Blue Urban (http://greenblueurban.com/).

Tree Maintenance and Management During 5 Year Establishment Period Immediately following planting, the tree should be watered thoroughly. Following this, and with regard to prevailing weather conditions, newly planted trees should be watered regularly during periods of dry weather. If the tree pit has been specified with an irrigation pipe, this should be used as the primary method of watering. If no irrigation pipe is specified, the square metre of ground around the tree should be soaked to field capacity (refer to BS8545:2014 for further detail) by surface watering. Watering frequency is more important than quantity to prevent the root ball of the newly planted tree from drying out.

All trees are fitted with protective guards to prevent animal damage. These should be checked regularly to ensure they remain in place and are providing adequate protection against the animals in the area. If damage to trees from browsing by animals still occurs, additional measures may be required.

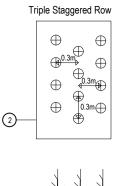
A formal assessment of young tree health and development should be carried out annually by a qualified arborist who will be able to advise on solutions should any problems be picked up. During this assessment, any stakes and ties should be checked to ensure they are providing support but not damaging the tree and that the tree is still firmly seated in the ground. If the tree has become loose in the ground, the soil around the base should be re-firmed and stakes and ties adjusted accordingly.

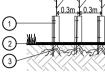
The mulched area around the base of the tree should be kept clear of competing vegetation and weeds at all times.

Tree stakes and ties should be removed once the tree has established a strong enough root system to support itself, likely to be 1-2 years after planting. Tree guards should only be removed if they are beginning to restrict tree growth or if it is felt the risk of damage has significantly reduced due to strong tree growth and development or changes in the surrounding environment.

Formative pruning should be carried out in accordance with BS3998 as required throughout the 5 year establishment period.

For further guidance on tree maintenance during establishment refer to BS8545:2014 Section 11.





1. Tubex shrub shelter with supporting cane or stake or similar approved.

2. 2m wide biodegradable weed mat roll pegged down with biodegradable pegs along line of hedgerow to prevent weed growth and retain moisture. 3. Whip to be notch planted following clearance of any existing vegetation.

Immediately after planting, water the whip, saturating the ground around its base to field capacity.

For further general guidance on planting refer to BS8545:2014 Section 10 and BS4428:1989 Section 9.

Products suggested in italics above are available from Tubex (http://www.tubex.com/).

Immediately following planting, the whip should be watered thoroughly. Following this, and with regard to prevailing weather conditions, newly planted whips should be watered regularly during periods of dry weather. When watering, the square meter of ground around the whip should be soaked to field capacity (refer to BS8545:2014 for further detail) by surface watering. Watering frequency is more important than quantity to prevent the roots of the newly planted whip from drying out.

All whips are fitted with protective guards to prevent animal damage. These should be checked regularly to ensure they remain in place and are providing adequate protection against the animals in the area. If damage to trees from browsing by animals still occurs, additional measures may be required.

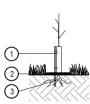
A formal assessment of areas of whip planting should be carried out annually by a qualified arborist who will be able to advise on solutions should any problems be picked up. During this assessment, any guards and canes/stakes should be checked to ensure they are providing protection but not damaging the developing whip and that its roots are still firmly seated in the ground. If the whip has become loose in the ground, the soil around the base should be re-firmed and guards adjusted accordingly.

competing vegetation and weeds at all times.

The shrub shelter/guard should be removed once the whip has established a strong enough root system to support itself and has begun to grow strongly clear of the top of the shelter/guard, likely to be 1-2 years after planting. Biodegradable mulch mats can remain in place indefinitely.

Formative pruning should be carried out in accordance with BS3998 as required during the first 5 years to ensure the desired form is achieved.

refer to BS8545:2014 Section 11.



Whip Planting Detail - For use in Public Open Space (POS) 1. Tubex shrub shelter with supporting cane or stake or similar approved.

2. 50x50cm biodegradable mulch mat pegged down with supplied biodegradable plastic anchor pegs around the whip to prevent weed growth and retain moisture.

3.Whip to be notch planted following clearance of any existing vegetation.

Immediately after planting, water the whip, saturating the ground around its base to field capacity.

For further general guidance on planting refer to BS 8545:2014 Section 10 and BS4428:1989 Section 9.

Products suggested in italics above are available from Tubex (http://www.tubex.com/)

Whip Maintenance and Management During 5 Year Establishment Period Immediately following planting, the whip should be watered thoroughly. Following this, and with regard to prevailing weather conditions, newly planted whips should be watered regularly during periods of dry weather. When watering the square meter of ground around the whip should be soaked to field capacity (refer to BS 8545:2014 for further detail) by surface watering. Watering frequency is more important than quantity to prevent the roots of the newly planted whip from drying out.

All whips are fitted with protective guards to prevent animal damage. These should be checked regularly to ensure they remain in place and are providing adequate protection against the animals in the area. If damage to trees from browsing by animals still occurs additional measures may be required.

A formal assessment of areas of whip planting should be carried out annually by a qualified arborist who will be able to advise on solutions should any problems be picked up. During this assessment any guards and canes/stakes should be checked to ensure they are providing protection but not damaging the developing whip and that its roots are still firmly seated in the ground. If the whip has become loose in the ground the soil around the base should be re-firmed and guards adjusted accordingly.

The space above the mulch mat around the whip should be kept clear of competing vegetation and weeds at all times.

The shrub shelter/guard should be removed once the whip has established a strong enough root system to support itself and has begun to grow strongly clear of the top of the shelter/gaurd, likely to be 1-2 years after planting. Biodegradable mulch mats can remain in place indefinitely.

Formative pruning should be carried out in accordance with BS3998 as required during the first 5 years to ensure the desired form is achieved.

refer to BS8545:2014 Section 11.



Site Boundary



Existing Vegetation to be Retained

Existing Trees to be Retained

Proposed Tree ny Extent Illustrated

Mature Canopy Extent Illustrated
Proposed Shade Tolderant Wildflower Mix Suggested Species Mix: Emorsgate Wildflowers for Woodland Mix EW1F. Sowing rate: 1.5g/m2
Proposed Amenity Grass Suggested Species Mix: Germinal A4 Low Maintenance Areas. Sowing rate: 35g/m2
Proposed Wildflower Meadow Mix Suggested Species Mix: Emorsgate EM10 Tussock Mixture. Sowing rate: 4g/m2
Proposed Wetland Grass - Wildflower Mix Suggested Species Mix: Germinal seeds EP1 Pond Edge Mixture. Sowing rate: 4g/m2
Proposed Planting Bed
Proposed Bulb Planting

Proposed Structural Planting

Proposed Hedge Planting

Proposed Drainage Headwall

overview



notes

For further guidance, refer to HSE Construction (Design and Management) Regulations 2015. revisions

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purpose of issue **PLANNING**

The Island Project

project title

Jerrings Hall Farm, Dickens Heath

drawing title **Detailed Landscape Design Proposals**

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28/05/2020 date drawing number edp5137_d009 **1:200 @ A1** scale

QA XXX the environmental dimension partnership

Sheet 3 of 4

drawn by **OW**

checked **OK**

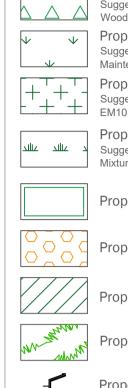
Native Hedgerow Planting Detail - For use in Public Open Space (POS)

Whip Maintenance and Management During 5 Year Establishment Period

The space above the mulch mat around the whip should be kept clear of

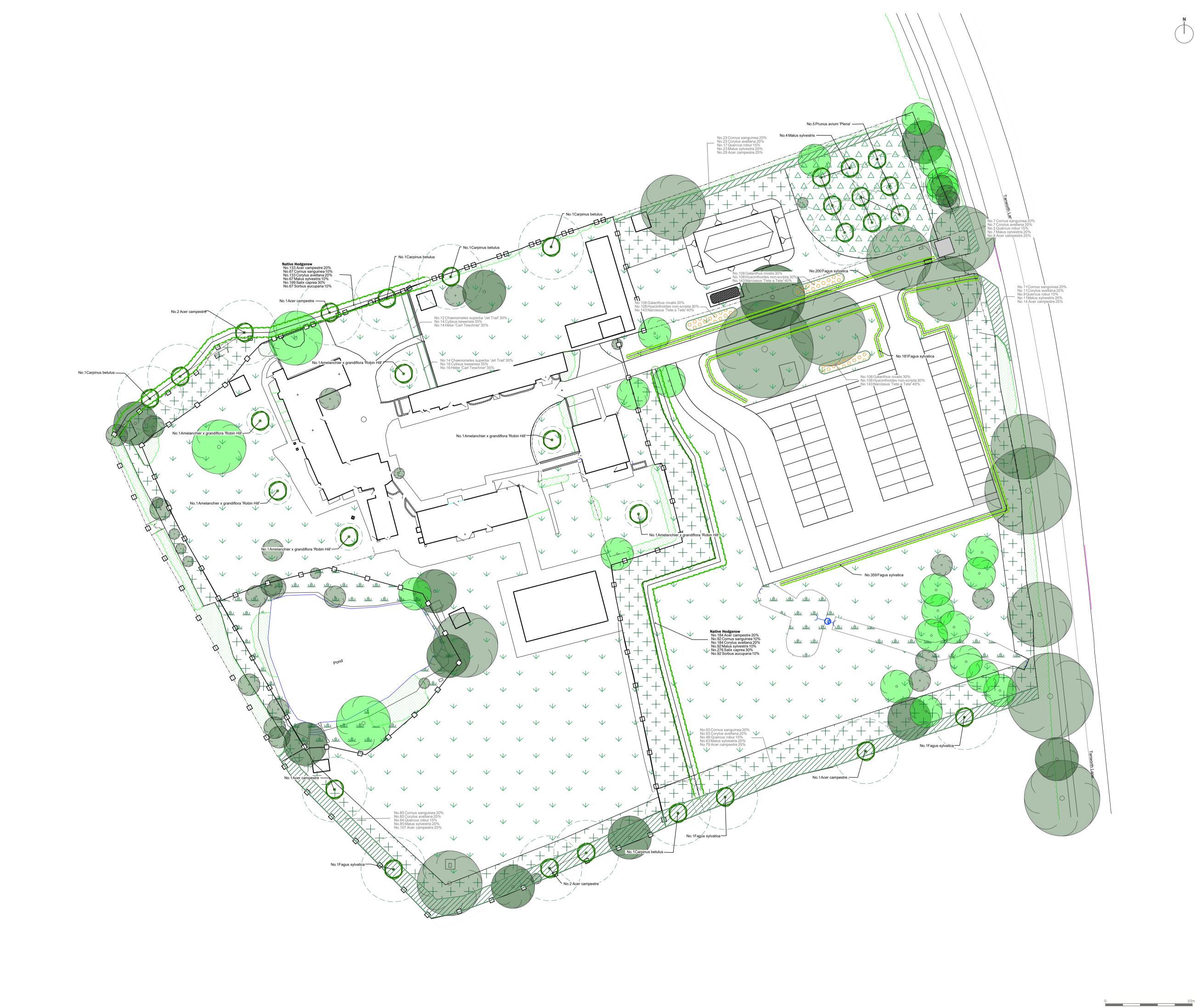
For further guidance on whip and tree maintenance during establishment

For further guidance on whip and tree maintenance during establishment



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Existing Vegetation to be Retained

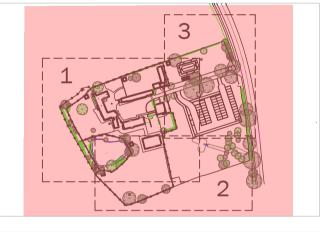
Existing Trees to be Retained

\bigcirc	Proposed Tree Mature Canopy Extent Illustrated
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- Proposed Drainage Headwall

overview



notes

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client

The Island Project

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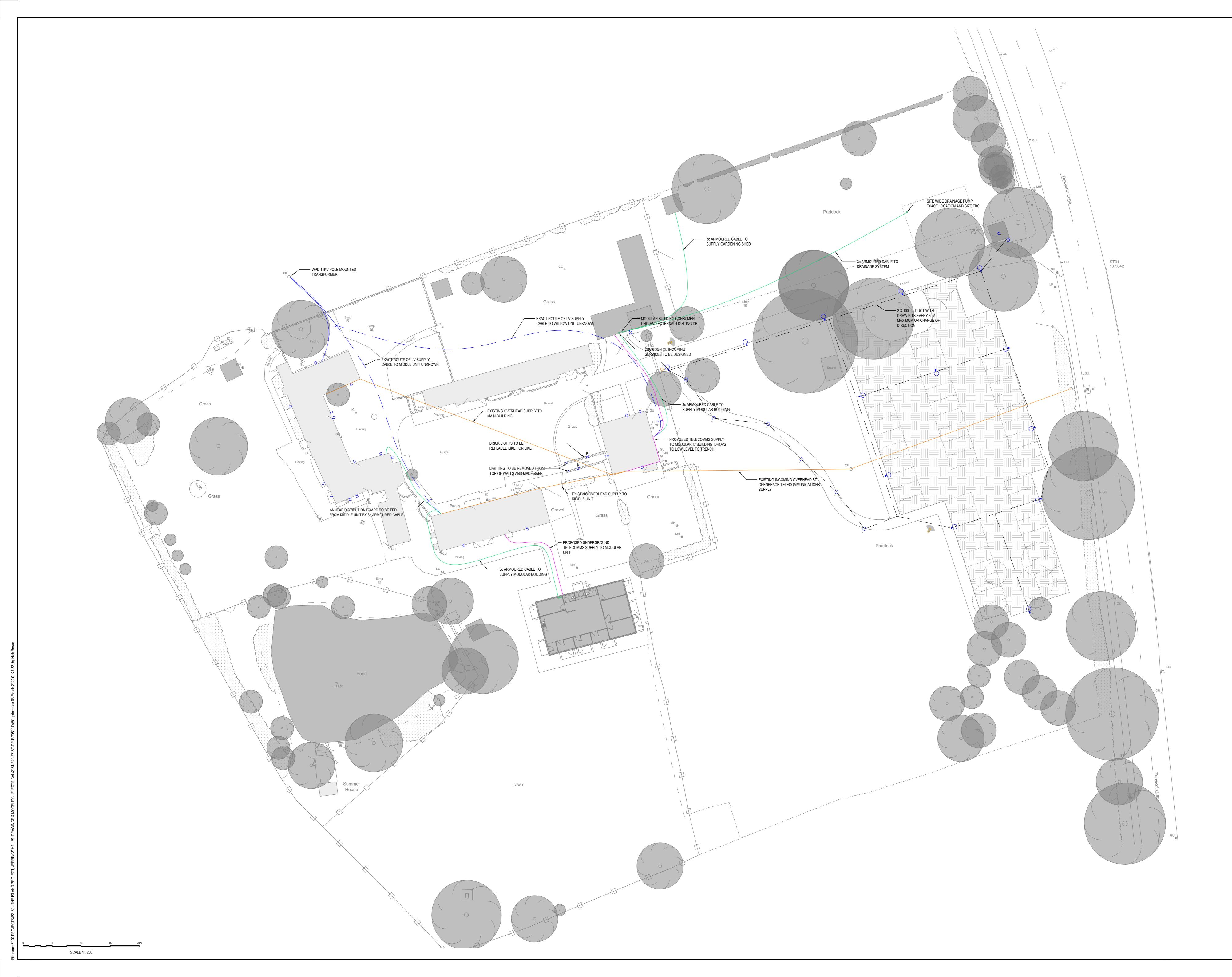
Jerrings Hall Farm, Dickens Heath

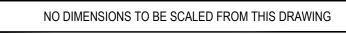
drawing title
Detailed Landscape Design Proposals

Sheet 4 of 4 28/05/2020 drawn by **OW** date drawing number edp5137_d009 checked **OK** QA XXX scale

the environmental dimension partnership

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The following are considered to be significant risks relevant to this drawing, which could not be fully mitigated or removed through design. Further possible control measures have been identified within the Design Risk Assessments which may help to mitigate these and other identified risks further during the construction / maintenance process. NOTES

- THE DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTS & DRAWINGS PROVIDED BY BOX TWENTY.
- THIS DRAWING DOES NOT SHOW ALL COMPONENTS THAT MAY BE NECESSARY TO LOCATE SERVICES IN A FULLY CO-ORDINATED MANNER.
- THIS DRAWING SHALL BE USED FOR THE INTENDED PURPOSE ONLY AND BOX TWENTY WILL NOT BE HELD RESPONSIBLE FOR ANY OTHER USE.
- EMERGENCY LIGHTING KEY SWITCHES ARE TO BE PROVIDED ADJACENT TO DISTRIBUTION BOARDS. IN FLOOR AND CEILING VOIDS THE ROUTING OF ELECTRICAL SERVICES SHALL BE COORDINATED WITH MECHANICAL SERVICES ROUTES, ADHERING TO THE RECOMMENDED SEPARATION DISTANCES.
- 6. FOR DETAILS OF LUMINAIRES SEE SCHEDULE OF LUMINAIRES. 7. EACH EMERGENCY LUMINAIRE OR INTEGRAL EMERGENCY LIGHTING KIT (AS APPROPRIATE) SHALL BE LINKED TO THE UNSWITCHED LINE OF THE LOCAL NORMAL LIGHTING CIRCUIT. EMERGENCY KEY SWITCHES SHALL BE INSTALLED ADJACENT TO THE APPROPRIATE DISTRIBUTION BOARD FOR TESTING
- GENERALLY, ALL LIGHTING SHALL BE MANUALLY CONTROLLED WITH OVERRIDING TIMERS INTEGRATED WITHIN CONTROL SYSTEM.
- 9. THE LIGHTING CONTROL SYSTEM SHALL BE INSTALLED PREFERABLY BY THE ASSOCIATED SPECIALIST. IF IT IS INSTALLED BY THE ELECTRICAL CONTRACTOR THE WORK MUST BE CARRIED OUT STRICTLY IN ACCORDANCE WITH THE SPECIALIST'S INSTRUCTIONS.

LEGEND

PURPOSES.



20A ONE WAY SWITCH WALL MOUNTED LUMINAIRE BOLLARD TYPE LUMINAIRE 5M POLE TOP LUMINAIRE BRICK MOUNTED LUMINAIRE PASSIVE MOVEMENT DETECTOR WITH PHOTOCELL DISTRIBUTION BOARD SP&N SINGLE PHASE ISOLATOR METER - ELECTRICITY FIXED CCTV CAMERA INTERCOM INCOMING LV SUPPLY CABLE SUBMAIN SUPPLY CABLE EXISTING COMMS ROUTE PROPOSED COMMS ROUTE

NOTE:

LUMINAIRES IN PURPLE ARE EMERGENCY VERSIONS. REFER TO LUMINAIRE SCHEDULE FOR TYPES.

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Client	SANDERSON WEATHERALL										
Project	THE ISLAND PROJECT										
	JERRINGS HALL										
Dwg Name	EXTERNAL SERVICES LAYOUT										
Dwg No.	2161-B20-ZZ-ST-DR-E-70800										
Designe	ed By	Project Start Date	Purpose of Is	sue	Scale		Rev				
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