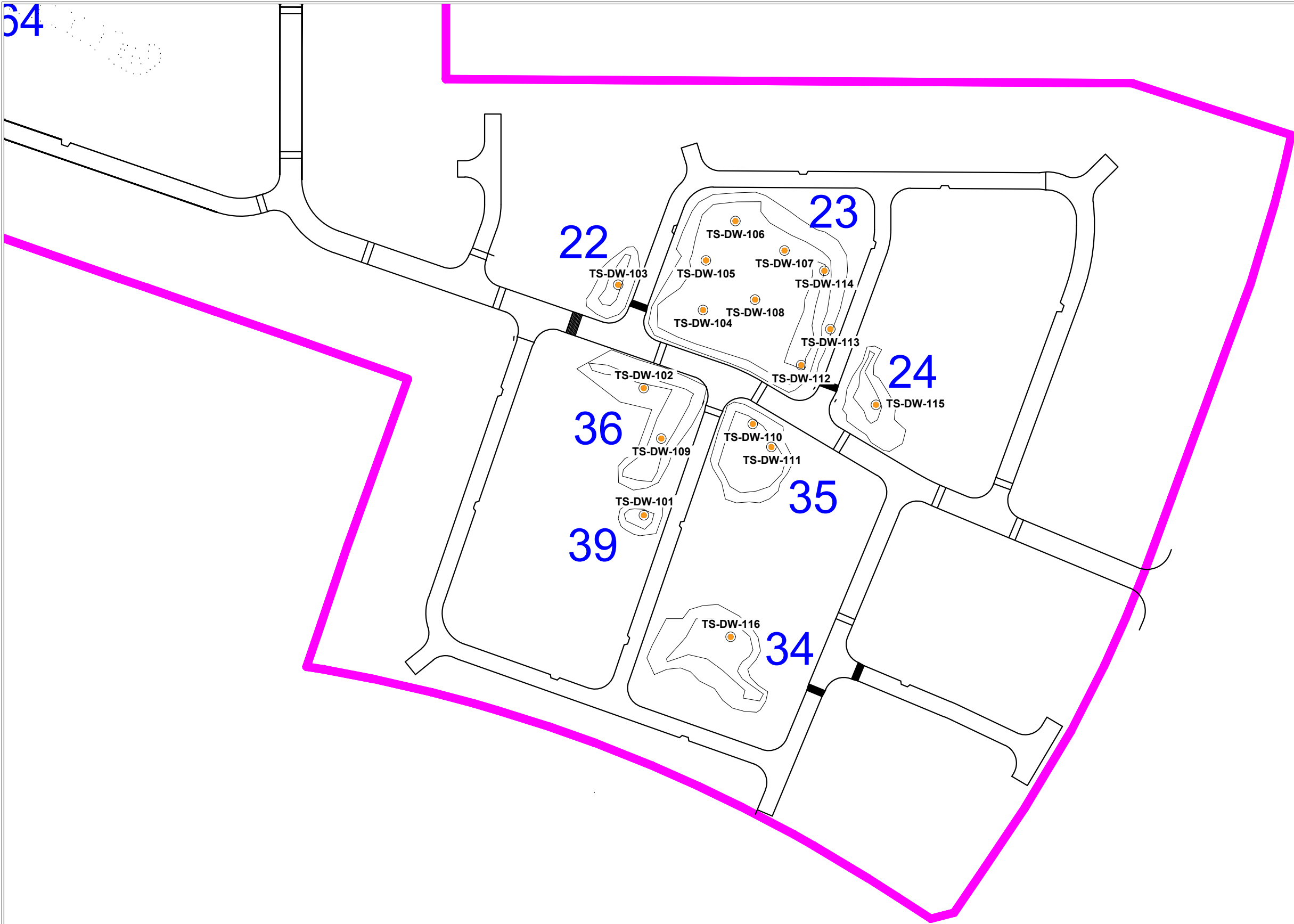


64



Location Symbols
● TS-DW-101 Approximate Topsoil Sample Location

Notes:

Client:

Westshield

Job No: 15-280	Date: 05.05.2026
Drawing No: 032	Scale: NTS



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P1	REVA	05.05.2026	TG	LC	MW
Phase	Issue	Date	Drawn	Checked	PM

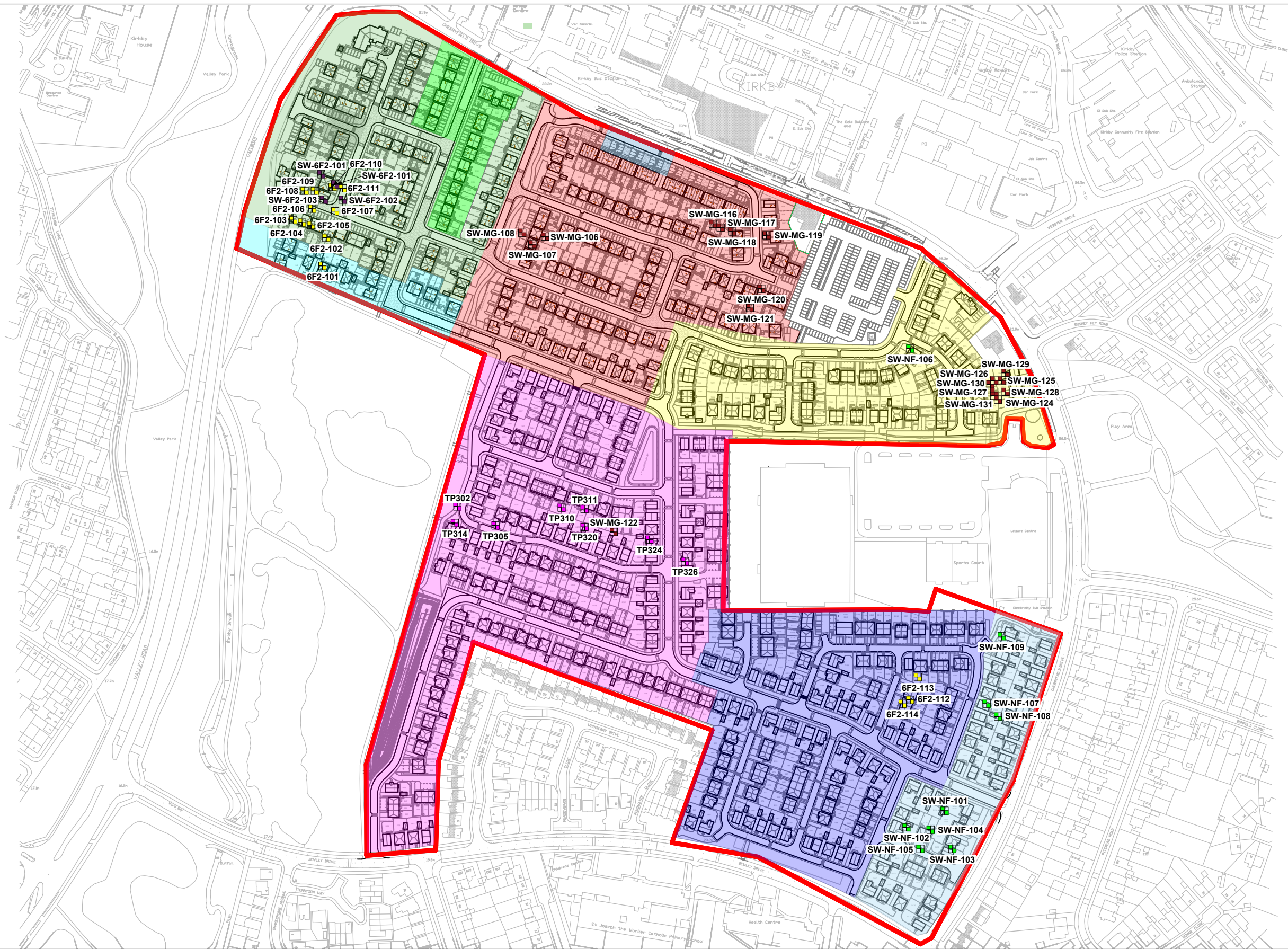
Job Title:

Cherryfield Drive, Kirkby

Drawing Title:

Topsoil Sampling Location Plan
- Areas 7A and 7B

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- Location Symbols
- Approximate Site-Won Made Ground Sample Location
 - Approximate Deep Made Ground Trial Pit Sample Location
 - Approximate Site-Won Natural Fill Sample Location
 - Approximate Imported Materials Sample Location
 - Approximate Site Won Materials Sample Location

- Key
- Area 1a
 - Area 1b
 - Area 2
 - Area 3
 - Area 4
 - Area 5
 - Area 6
 - Area 7a
 - Area 7b

Notes:					
P1	REVA	14.07.2026	TG	LC	MW
Phase	Issue	Date	Drawn	Checked	PM

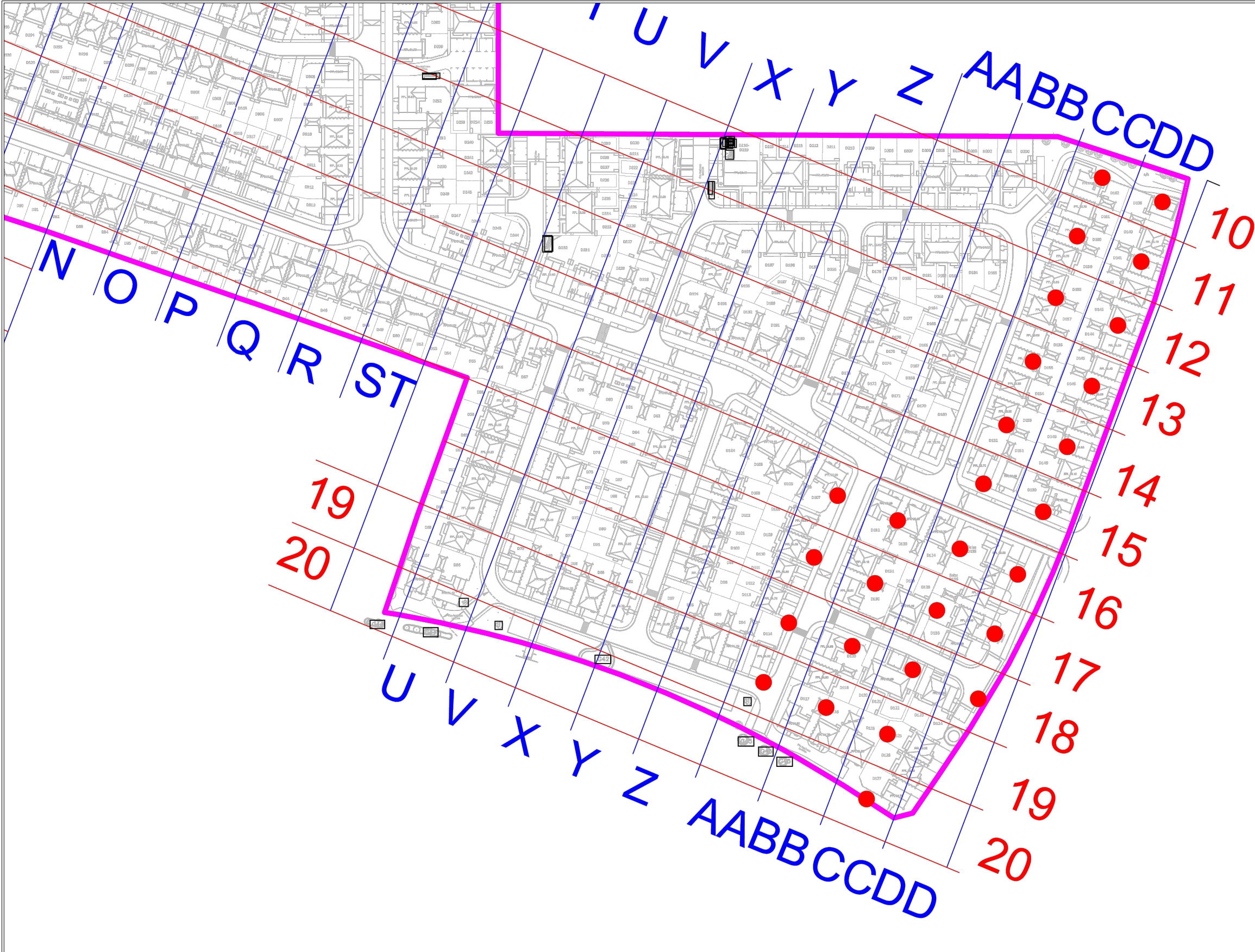
Client:	
Westshield	
Job Title:	
Cherryfield Drive, Kirkby	

Job No:	18-528
Drawing No:	037
Date:	14.07.2026
Scale:	NTS
Drawing Title:	
Remediation Sampling Plan - Geotechnical	



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Location Symbols
● Approximate NDG Testing Location

Notes:					
P1	REVA	14.07.2026	TG	LC	MW
Phase	Issue	Date	Drawn	Checked	PM

Client:

Westshield

Job Title:

Cherryfield Drive, Kirkby

Job No: 18-528	Date: 14.07.2026
Drawing No: 038	Scale: NTS
Drawing Title: NDG Testing Location Plan – Area 7A	



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1) SITE PLAN

(Scale 1:500)

LEGEND

(All positions are approximate unless otherwise stated)
(All references refer to those stated within General Notes)

KEY TO EXISTING FEATURES

(All positions are approximate unless otherwise stated)

- Surveyed buildings (taken from ref. a)
- Surveyed slopes (taken from ref. a)
- Surveyed trees (taken from ref. a)
- Surveyed hedges (taken from ref. a)
- Surveyed fence-lines (taken from ref. a)
- Conjectured extent of landfill 205 (taken from ref. i)

KEY TO FORMER FEATURES

(All positions are approximate unless otherwise stated)

- Former buildings (taken from ref. d, e, f & g)
- Former garage (taken from ref. d, e, f & g)
- Former dense vegetation (taken from ref. d, e, f & g)
- Former path (taken from ref. d, e, f & g)
- Former sport pitches (taken from ref. d, e, f & g)
- Former gravel pit circa 1967 (taken from ref. d, e, f & g)
- Former watercourse circa 1891 - 1927 (taken from ref. d, e, f & g)
- Former watercourse circa 1967 (taken from ref. d, e, f & g)
- Former hedge / ditchline (taken from ref. d, e, f & g)
- Former pond (taken from ref. d, e, f & g)
- Former slopes (taken from ref. d, e, f & g)

KEY TO EXPLORATORY HOLES

(All positions are approximate unless otherwise stated)

- Window sample boreholes WS501 - WS605 drilled for ALM between 26 & 27 March 2015 (taken from ref. h)
 - Cable percussive boreholes BH401 - BH606 drilled for ALM between 24 & 30 March 2015 (taken from ref. h)
 - Trial pits TP601 - TP651 excavated by ALM between 23 & 27 March 2015 (taken from ref. h)
 - Window sample boreholes drilled for Clancy Consulting between 28 & 29 November 2019 (taken from ref. e)
 - Trial pits TP101 - TP106 excavated by Clancy Consulting on 28 November 2019 (taken from ref. e)
 - Window sample boreholes WS101 - WS133 drilled for Clancy Consulting between 3 & 5 December 2019 (taken from ref. d)
 - Window sample boreholes drilled for E3P WS101 - WS171 between 10 - 25 January 2022 (taken from ref. c)
 - WS201 - WS205 on 11 November 2023 (taken from ref. c)
 - Dynamic cone penetrometer test locations by E3P (2022) (taken from ref. c)
 - Trial pits (and soakaway locations) excavated by E3P: TP101 - TP199 & TP1100 - TP1130 between 10 - 25 January 2022 (taken from ref. c)
 - TP201 - TP212 on 11 November 2023 (taken from ref. c)
- Note:
- E3P exploratory hole location plan contains two exploratory holes referenced TP1102
 - E3P exploratory hole TP1126 contains text without recording location of the exploratory hole

KEY TO TREE CONTOURS

(All positions are approximate unless otherwise stated)

- Surveyed group of trees (taken from ref. m)
 - Surveyed individual tree (taken from ref. m)
 - Indicates minimum depth of foundation required in areas affected by existing trees/hedges/grows with a CLAY subsoil (TREES RETAINED). Not applicable to foundations in a granular subsoil.
 - Dashed lines indicate tree proposed to be removed. (NHBC Standards Chapter 4.2)
 - Denotes 1.5m foundation depth contour of existing tree height - for heave precautions.
 - Dashed lines indicate tree proposed to be removed. (NHBC Standards Chapter 4.2)
 - Cast foundations within this zone would require prior agreement with NHBC, subject to site specific assessments of tree influence >2.5m.
- Note:
- These tree contours and heave line will require amendment should LABC be utilised as Building Control.

KEY TO PROPOSED FEATURES

(All positions are approximate unless otherwise stated)

- Slab levels (taken from ref. b)
- Slab split (taken from ref. b)
- Underbuild (taken from ref. b)
- Tanking (taken from ref. b)
- Flag on edge (taken from ref. b)
- Gravel board (taken from ref. b)
- Retaining wall (taken from ref. b)
- Site boundary (taken from ref. n)

3) GROUND GAS

The latest ground gas assessment (refer to General Notes 1 & 2) details parts of the site that are subject to Characteristic Situation 2 protection measures. One area currently classified as Characteristic Situation 4 is stated to be subject to further post remediation monitoring. The report recommends the full ground gas assessment and proposals are agreed with the Local Authority prior to commencing on site.

4) CONTAMINATION

A final contaminated land risk assessment is completed and detailed with General Notes 1 & 2. The report outlines the build phase remediation requirement of inert cover for all front and rear gardens, public open spaces and landscaping.

5) FOUNDATION ANOMALIES

Backfilled trial pits, or historical features (such as recorded former walls) may be encountered during foundation excavations as noted on the plot specific remarks on the table. The following procedures should be adopted where such features are encountered:

- Start foundation excavations in areas of potential anomaly to locate any features present.
- When likely foundation anomaly is identified halt the foundation excavation - DO NOT attempt to dig out areas where fills may be deep.
- Record the location of the feature relative to the proposed footprint and contact Coopers for engineering design. This may include a beam design to span the feature, therefore it is imperative that the deep fills are not excavated prior to confirmation of engineering designs.
- Do not continue foundation excavations for the plot until directly advised to do so by David Wilson Homes Office or Coopers.

THIS DRAWING SHOULD ONLY
BE PRINTED IN COLOUR

FOR GUIDANCE
PURPOSES ONLY

CDM HIGH RISK ASSESSMENT
FOR ALL RISKS REFER TO DAVID WILSON
HOMES DESIGN RISK ASSESSMENT PACKAGE

2) ANTICIPATED FOUNDATION TYPES

- Ts** TRADITIONAL STRIP FOUNDATION
Refer to sheet 5 for details.
- DTs** DEEP STRIP FOUNDATION
Refer to sheet 5 for details.
- TF** MASS CONCRETE TRENCHFILL FOUNDATION
Refer to sheet 5 for details.
- TFH** MASS CONCRETE TRENCHFILL WITH HEAVE PRECAUTIONS
Refer to sheet 5 for details.
- Rn** NOMINALLY REINFORCED STRIP FOUNDATION
Refer to sheet 5 for details.
- V** DOUBLY REINFORCED STRIP FOUNDATIONS ON VIBRO STONE COLUMNS
Refer to sheet 5 for details.
- DRn** DEEP NOMINALLY REINFORCED STRIP FOUNDATION
Refer to sheet 5 for details.
- P** PILED FOUNDATIONS WITH ASSOCIATED REINFORCED CONCRETE GROUND BEAMS
Refer to sheet 5 for details.
- PH** PILED FOUNDATIONS WITH ASSOCIATED REINFORCED CONCRETE GROUND BEAMS WITH HEAVE PRECAUTIONS
Refer to sheet 5 for details.
- ▲** FOUNDATION ANOMALIES
Indicates foundations and slabs which may be affected by trial pits, trees / hedges, or former features. The foundation and slab type indicated may have to be amended and appropriate foundations and slabs adopted to suit local ground conditions exposed at the time of construction and agreed with NHBC/Local Authority Inspectors.

GENERAL NOTES

- This drawing is to be read in conjunction with the following:-
 - a) Survey Eng Ltd, Cherryfield Drive, Kirby, Topographical Land Survey, ref. DW1534, rev. F, dated 07 August 2025.
 - b) Coopers, Cherryfield Drive, Kirby, External Works Layout, ref. 77780801, rev. B, dated 01 April 2026, 77780802-05, rev. C, dated 28 April 2025, 77780805, rev. D, dated 27 April 2026, 77780806, rev. C & 77780807-08, rev. B, dated 01 April 2026.
 - c) Metropolitan Borough of Knowsley, Assets Service, Land at Cherryfield Drive, Kirby, ref. AS08402020, dated 02 December 2020.
 - d) Clancy Consulting, Geo-Environmental Appraisal Report for Knowsley Community College, Liverpool, ref. 10/1533001, dated December 2020.
 - e) Clancy Consulting, Preliminary Geo-Environmental Appraisal Report for Phase 2 Site, Cherryfield Drive, Knowsley, ref. 10/15191001, dated May 2020.
 - f) Clancy Consulting, Preliminary Geo-Environmental Appraisal Report for Phase 3 Site, Cherryfield Drive, Knowsley, ref. 10/15191002, dated May 2020.
 - g) REC, Geo-Environmental Site Assessment, Site off Cherryfield Drive, ref. 45759P10, dated September 2011.
 - h) ALM Consult, Geo-Environmental Appraisal, Cherryfield Drive, Kirby, ref. 30090111, dated September 2015.
 - i) Coopers, Site Plan, Bewley Drive, Kirby, ref. 971820/01, Rev. D, dated 07 January 2021.
 - j) Coopers, Site Plan, Bewley Drive, Kirby, ref. 971820/01, Rev. B, dated 02 June 1998.
 - k) Coopers, Foundation Plan, Bewley Drive, Kirby, Nr. Liverpool, ref. 971820/04, rev. B, dated 29 May 2002.
 - l) Coopers, Geological Plan, Bewley Drive, Knowsley, Community College, Kirby, ref. 971820/A/GL, dated 08 February 2000.
 - m) Seed, Cherryfield Drive, Kirby, Arboricultural Impact Assessment, ref. 1321-AIA-V1-B, dated 14 March 2024 (original tree data from 2021).
 - n) DWG (Planning Layout), ref. "H4015-DWH-XX-XX-DR-ID-203004-P04", received by Coopers on 03 February 2026.
 - o) E3P, Phase 1 & 2 Geo-Environmental Site Assessment, Cherryfield Drive, ref. 15-280-R1-4, dated May 2024.
 - p) DWG File [E3P exploratory hole plan] ref. "CLIENT DWG - EHLF", received by Coopers on 21 August 2024.
 - q) E3P, Cherryfield Drive, Ground Gas Addendum Report, ref. 15-280-R3-1, dated April 2025.
 - r) E3P, Cherryfield Drive, Remediation and Enabling Works Strategy, Report, ref. 15-280-R2-6 dated June 2025.
- The foundation types indicated are based upon the facts established from observations and field tests during the trial investigations. It should be recognised that natural strata may vary considerably from point to point and the groundwater regime may be influenced by seasonal or other factors. The foundation types indicated are therefore for 'GUIDANCE PURPOSES ONLY' and should be constantly reviewed in the light of the actual conditions exposed on site during the construction work.
- The tree contours show the minimum depth required for foundations below ground level in clay soils within influencing distance of trees/hedges - i.e. trees to be retained and trees to be removed. The 'ground level' shall be determined in accordance with the NHBC Standards Chapter 4.2 'Building Near Trees'.
- Trees or hedges which are to be planted must be considered. No allowance has been made for them on this drawing as it is assumed that any proposed trees and/or hedges will be sited to avoid affecting any proposed dwelling foundation.
- The shrinkability of the cohesive soil strata on this site has been determined as MEDIUM in accordance with NHBC Standards Chapter 4.2.
- Where necessary foundations should be stepped in accordance with current NHBC recommendations.
- This drawing should not be relied upon for house/yard names / references.

BASIS OF ASSESSMENT AND GUIDANCE ON FOUNDATION CONSTRUCTION

General
The foundations are based upon inferring ground conditions from exploratory holes by third parties. In areas where variable ground conditions occur the precise locations of the exploratory holes were not used to make accurate assessments of the ground conditions for plot specific assessments. No information has been provided to indicate the location of the exploratory holes have been surveyed. Some E3P exploratory hole locations have been based on a CAD file received on 21 August 2024 (ref. 1.p). The foundation types are proposed based upon the developer's commercial preferences for foundation types with depths. It is acknowledged that trench stability can influence the suitability of foundation construction and we would advocate trial excavations with the developer and contractors to appraise the influence, limitations and changes/measures that can be adopted. It is acknowledged that trench stability can influence the suitability of foundation construction and we would advocate trial excavations with the developer and contractors to appraise the influence, limitations and changes/measures that can be adopted.

Investigation Areas
Specific features from the historical Ordnance Survey maps have been accurately overlaid to disclose potential abnormal ground conditions. Specific targeting and delineation of these features are required to enable an accurate assessment. The remarks section of the foundation schedule details plot specific features likely to be encountered which would be prudent to consider for further investigation prior to construction. Where the ground conditions differ from those indicated in this drawing we would advocate the developer contacts Coopers to confirm or recommend procedures for investigations prior to casting the foundations, and may require further ground investigation.

External Works
The foundation schedule includes specific designs to account for the proposed slab levels. Where retaining walls are proposed in close proximity to plots, the foundations may need to be constructed at the same time as the plot/paragage foundations. Specific discussions with Coopers structural engineers are recommended should potential conflicts be considered. The assessments make no account of proposed utilities excavations and should deep excavations be proposed the formation depths should be appraised to determine if these need to be set a lower level.

Tree Influence and Formation Depths
The tree survey (as referenced in General Note 1.m) was current at the time of the original revision of this drawing. The developer should be aware that trees which are <3 mature height may be subject to substantial changes in growth over time and therefore reassessments of tree heights and foundation depths at the time of construction/finishing may be required. The tree influence depths in clay strata are recorded on the foundation schedule (where applicable) and must be considered as the minimum foundation depths. Outside of these areas shallower foundations may be possible, subject to engineering approvals. The foundations have set minimum formation levels from proposed ground levels in accordance with NHBC Guidance. These do not include formation depths that account for potential seasonal variations in the shallow ground conditions. Subject to the time of year of the construction, foundation depths may be increased, subject to inspection by Building Control/Insurers. The foundations have not included designs to account for planted/hedge/tree planting. We would advocate the arboricultural consultants are advised to be sympathetic to the potential shrink-swell behaviour of clays (where present) and should avoid planting any trees close to buildings, and avoid all tall and/or higher water demand species, where possible. Should the tree planting be considered likely to change the foundation depths then this should be reassessed prior to casting foundations or planting of trees. Currently the NHBC have a cut off for the maximum depth of trench/fill foundation for plots which are impacted by existing trees of 2.50m. Where tree contours take foundations deeper than this depth, piled foundations should be adopted unless agreed otherwise with the NHBC. The areas referenced as founding on weathered bedrock are anticipated to be recovered as a red-brown sand. The formation levels do not have to be continued to refusal with formation on consistent strata. Foundations formed on weathered bedrock should not step into glacial till (sands and silts) due to differential settlement that occurs as a result of variations in bearing capacity. Some trees surveyed originally in 2021 are no longer shown on the revised survey on 2024. As it is unknown if when the trees were felled or cleared, and as tree influence is anticipated to remain for some years after removal, these original trees have been left in the assessment and ground model, with consideration of growth since 2022 (see below), as a precautionary measure. With the original tree survey dated November 2021, 4 No. growing seasons have occurred by the time of this assessment and are subject to 4 years growth. As per Dave Travis (NHBC email to Coopers dated 27 November 2019, a consideration of 1m growth per year has been applied to trees which were on the original survey but no longer on the updated survey, to account for this assessment.

Plots assigned for vibro stone column ground improvement and double reinforced strip foundations were previously assigned as pile foundations and changed to vibro at the request of David Wilson Homes. Feasibility of vibro is subject to the specialist contractor's review of ground conditions and earthworks where needed. Where there is tree influence, cohesive material will require removal to the associated depth of influence as a minimum. Where tree influence exceeds 2.5m depth and cohesive material is present, the feasibility for vibro in these areas should be consulted with the NHBC as the NHBC Standards is limited to 2.5m depth, and piling may be necessary.

ASSESSMENT IS PRELIMINARY &
SUBJECT TO ADDITIONAL SITE
INVESTIGATION POST
REMEDATION AND SITE STRIP

REVISION BOX				
Rev.	Date	Revision	By	Appd.
F	13.05.26	Planning layout and external works updated. Sheets 9 - 11 added. Foundation table updated. Vibro notes added.	AH	AW
E	28.11.25	Assessment updated to 4-corner. Tree contours updated in line with updated tree survey. Planning layout, topographical survey and external works updated. Sheet 5 added. Foundation table updated accordingly.	AH	AW
D	16.09.24	Latest E3P exploratory holes added. Planning layout and external works updated. Tree contours updated. Foundation types reassessed.	OS/AH	AW
C	12.10.23	Planning layout updated. Converted to one point assessment.	OS	AW
B	21.07.22	Fd table added to plan.	OS	BH
A	14.07.22	Foundation types updated. Fd table removed.	OS	BH



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Client **DAVID WILSON HOMES**
WHERE QUALITY LIVES

Project **Cherryfield Drive, Kirby.**

Title **FOUNDATION PLAN
SHEET 1 OF 11**

DRAWING NUMBER	DATE	SCALE	1:500
7887 / Fd / 01	08.07.22	1:500	
	DRAWN	AH / OS	
	CHECKED	BH	
			REVISION F