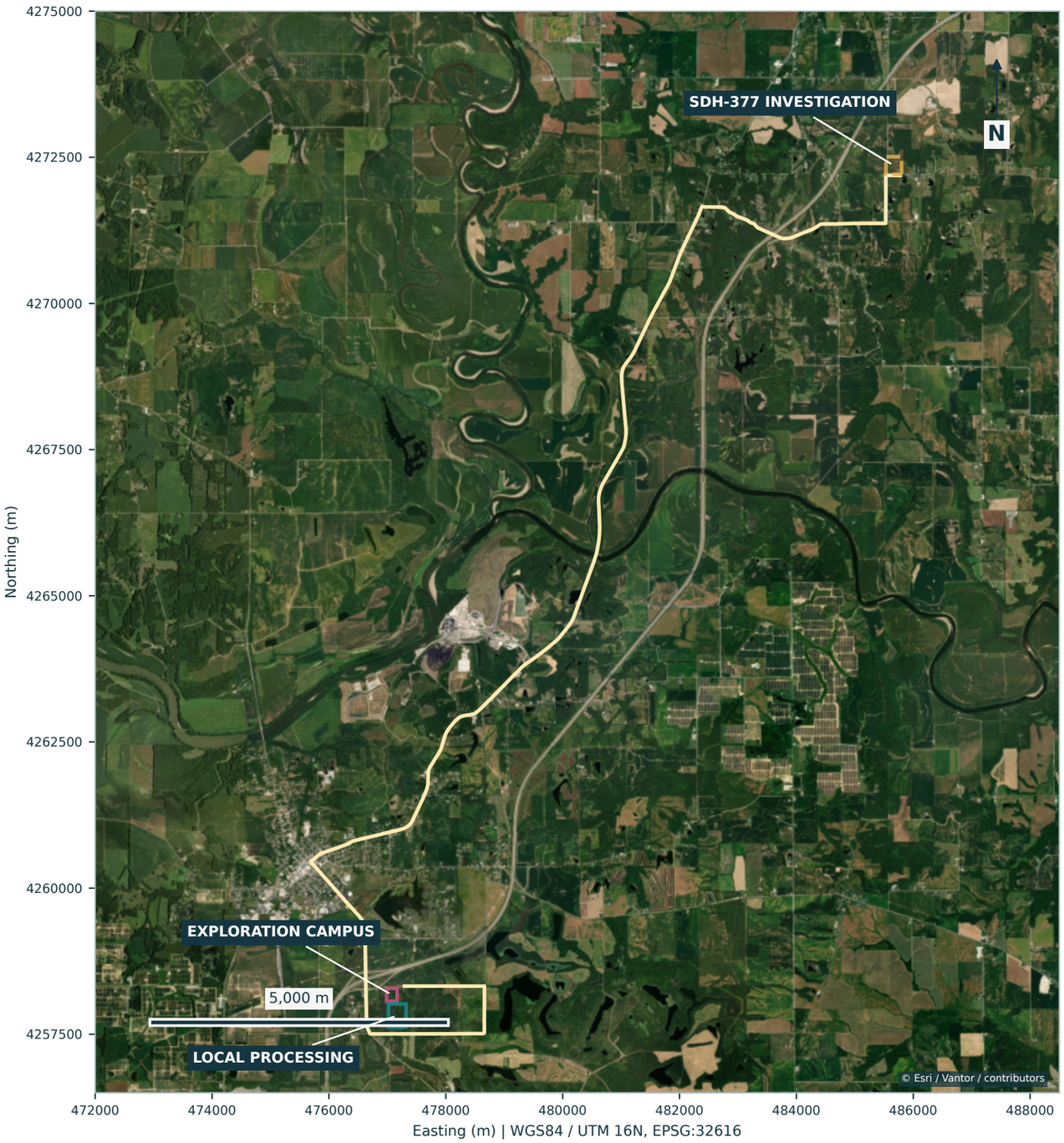
MILIEU MINERALS

An Indiana platform | two locations, three operating roles

The exploration campus and local process pilot share an industrial district; the Daviess investigation field remains geographically separate.



01 EXPLORATION AND GEOTRACE

1,200 m² of offices, core analysis and secure storage on a 3.96 ha planning envelope near Petersburg. Initial work is exploration and geospatial support.

02 PROSPECTIVE MINE INVESTIGATION

An 8.1 ha nearby field investigation reservation in Daviess County tests a historical black-shale evidence corridor. No orebody or engineered extraction geometry is established.

03 LOCAL PROCESSING

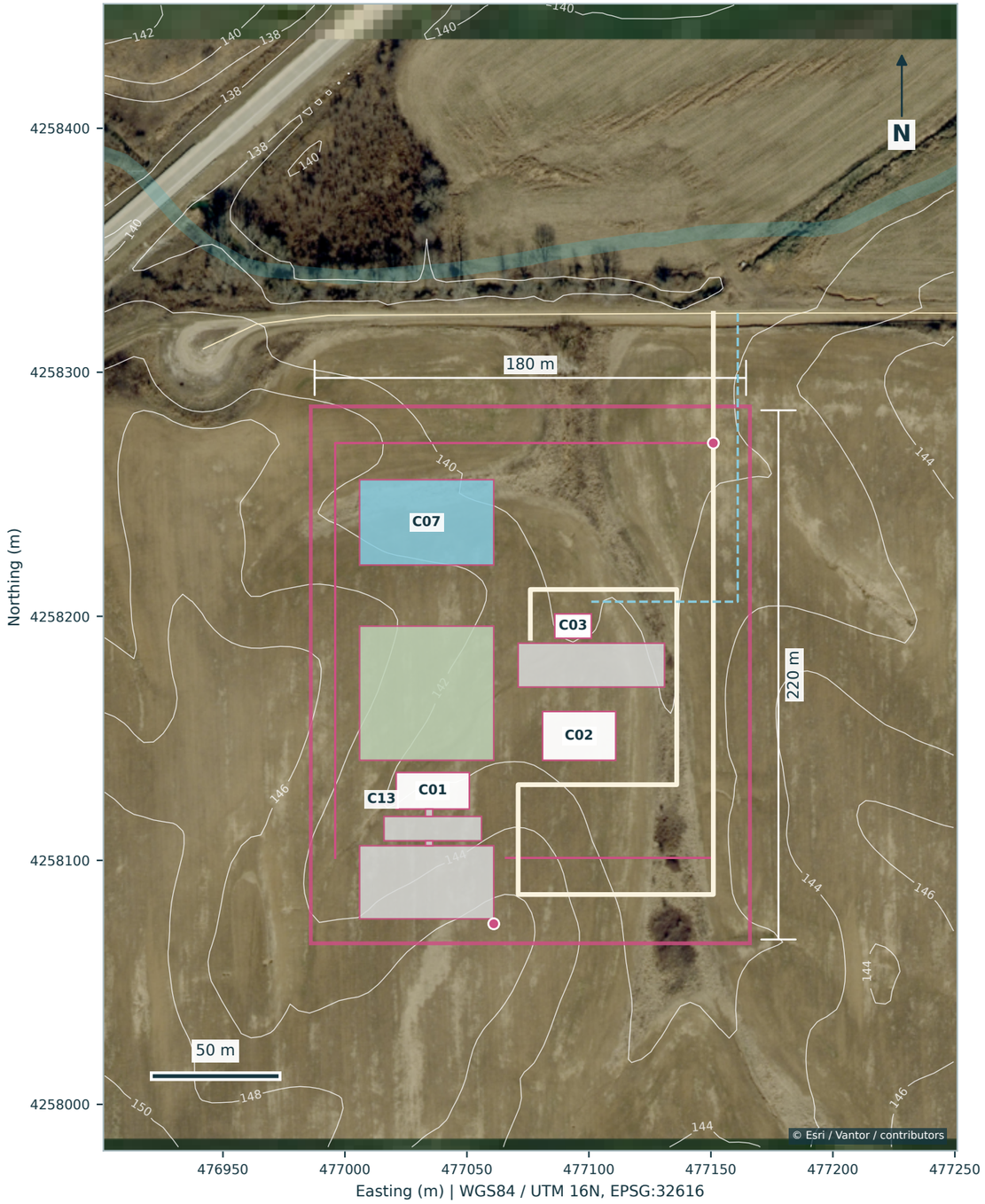
A 1,800 m² campaign pilot on a 12 ha reference process core, expandable conditionally to 7,100 m². Feed testwork and authorizations control progression.

Actual separation is preserved. The mine investigation area is not visually compressed beside the Petersburg campus. School, residence, wetland, water and road constraints are screened separately.

Esri World Imagery, retrieved 17 Sep 2026; mosaic acquisition dates vary. Geometry: IN-GEO-01 / EPSG:32616.
Proposed locations and boundaries are not property surveys, land control, a mineral resource or construction authorization.

Imagery © Esri / Vantor / contributors. Basemap dates vary by extent; see site notes and source register. Exports 17 Sep 2026.

The public arrival and core-analysis operations use one coordinated 1,200 m² building schedule.



1,200 m² / FIRST PHASE

Centre 38.471611, -87.262793
E County Road 350 N / Generation Springs district
Petersburg, Pike County, Indiana
Mapped PLSS: T1N R8W Sec 35, Second Principal Meridian
Parcel 63-02-35-400-014.000-011; rights unverified

C01	Welcome, GeoTrace and offices	30 × 15 m | 450 m²
C02	Core analysis and secure sample	30 × 20 m | 600 m²
C03	Secure storage and utilities	15 × 10 m | 150 m²
C04	Visitor parking	1,650 m²
C05	Controlled service yard	1,080 m²
C06	Visitor forecourt	400 m²
C07	Stormwater landscape reservation	1,925 m²
C12	Native planting / visitor garden	3,025 m²
C13	Shaded visitor pergola	32 m²

VISITOR FRONTAGE + CONTROLLED WORK

Milieu Minerals frontage faces the visitor forecourt. Service access uses the east circulation loop. The core hall, secure store and yard sit within controlled fencing.

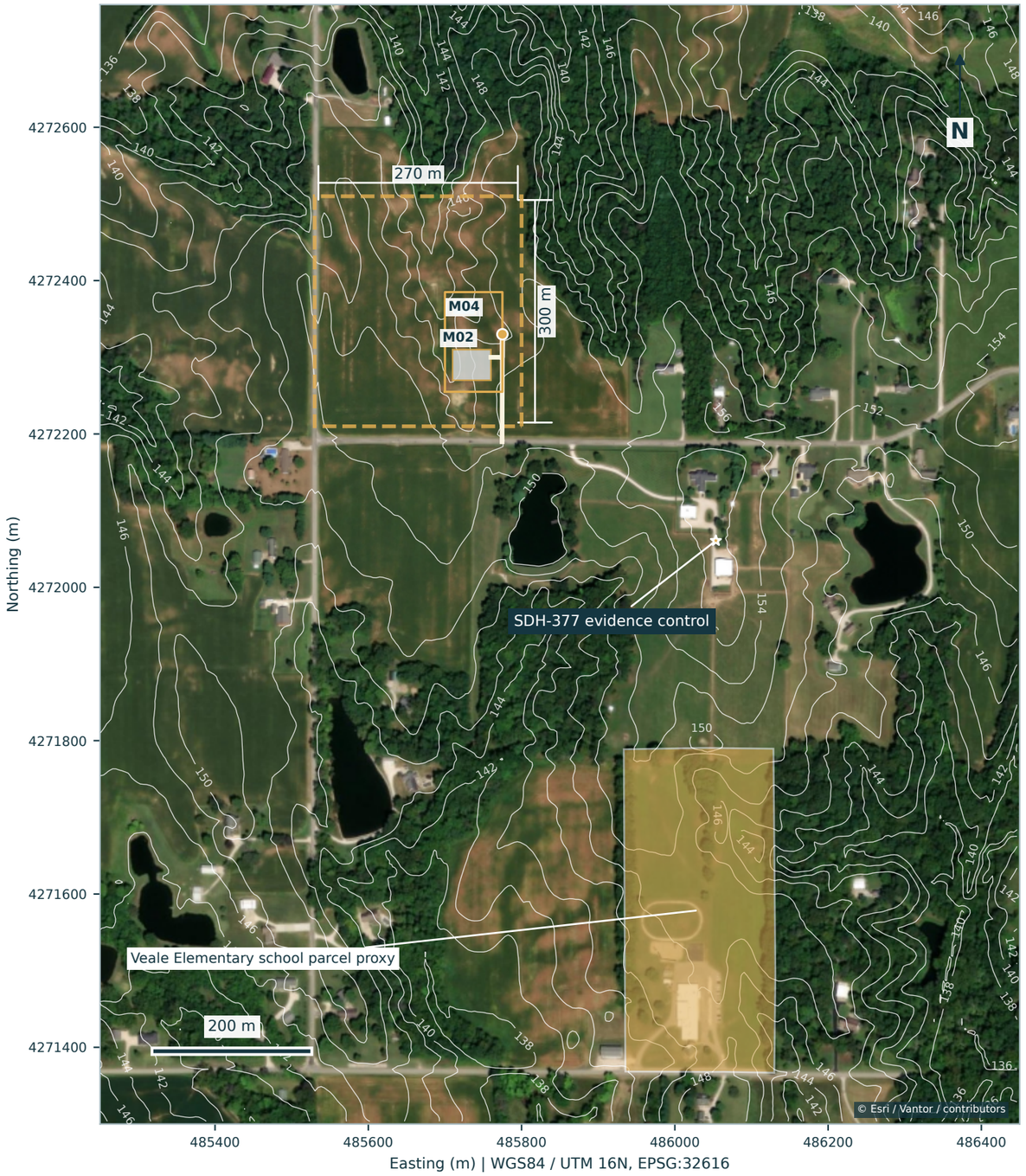
TERRAIN AND QUANTITIES

Native 1 m terrain informs the footprint screen. Three explicit graded surfaces with 10 m edge tiebacks control both rendered levels and cost takeoffs; engineered drainage remains pending.

Satellite base: Esri World Imagery; 2 m displayed contours from USGS 1 m LiDAR-derived DEM (09 Dec 2018), EPSG:26916 / NAVD88. Proposed floor levels are not surveyed. Campus dimensions 180 × 220 m. Canopy, roof equipment and facade details are included in building allowances; no double-counted enclosed floor area.

Imagery © Esri / Vantor / contributors. Basemap dates vary by extent; see site notes and source register. Exports 17 Sep 2026.

Investigation geometry is deliberately separate from the historical borehole, sample results and any future mine design.



8.1 ha / INVESTIGATE FIRST

Field west/northwest of SDH-377
E County Road 400 S / S Horrall Road area
Veale Township, Daviess County, Indiana
Boundary: 270 × 300 m; access consent pending.
Mapped PLSS: T2N R7W Sec 14/15, Second Principal Meridian

M01	Field investigation work pad	2,000 m²
M02	Sample shelter and field support	15 × 10 m | 150 m²
M04	Field runoff control reservation	600 m²

WHAT IS ACTUALLY PROPOSED

A field work pad, 150 m² sample shelter, access and runoff reservation support authorized investigation. A portable drill illustration belongs to the drilling campaign allowance.

THE HISTORICAL POINT IS NOT A PIT

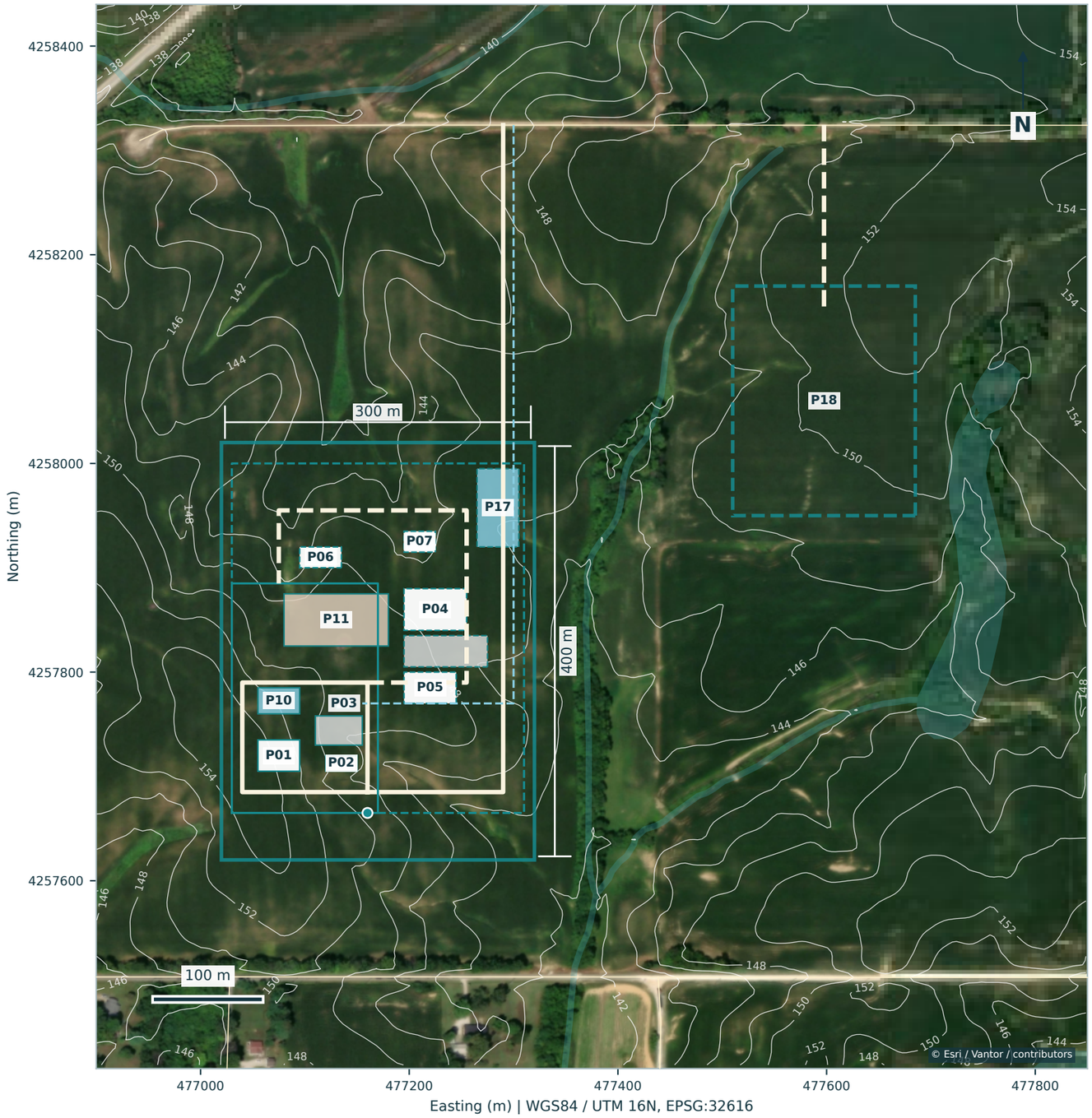
SDH-377 is outside the selected field. Its core evidence is a reason to investigate the stratigraphic corridor, not proof of grades, depth or continuity beneath this field.

Nearest school-parcel proxy: Veale Elementary, 441.9 m from the investigation boundary. This is not a regulatory setback or surveyed occupied-ground separation. No pit depth or reserve is inferred.

USGS 1 m LiDAR-derived terrain (10 Dec 2018), NAVD88; Esri/Vantor imagery point metadata 08 Sep 2025. IGWS borehole coordinate is preserved separately from the source appendix study marker.
Historical interval depths and regional modeled depth classes differ. No shallow stripping advantage is established.

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The pilot remains part of the 7,100 m² commercial option. All seven buildings retain fixed IDs and positions across phases.



1,800 m² PILOT / 7,100 m² OPTION

38.468405, -87.261704 | E County Road 350 N
Mapped PLSS T1N R8W Sec 35; rights unverified

P01	Campaign pilot process hall	40 × 30 m | 1,200 m²
P02	receiving and sample warehouse	30 × 15 m | 450 m²
P03	Water and control building	15 × 10 m | 150 m²
P04	commercial recovery hall	60 × 40 m | 2,400 m²
P05	enclosed preparation hall	50 × 30 m | 1,500 m²
P06	residue dewatering hall	40 × 20 m | 800 m²
P07	product and maintenance hall	30 × 20 m | 600 m²

CAMPAIGN PILOT: PHASE 2

Up to 1 t/h and 1,000 campaign hours per year is a testwork planning basis. It establishes no feed supply, recovery rate, product specification or sales forecast.

RESIDUES AND WATER

P11 reserves 0.5 ha for pilot containment study. P18 is a separate 3.85 ha conditional commercial residue investigation reserve. Neither area establishes disposal capacity.

EXPANSION IS A SEPARATE DECISION

Dashed features require feed definition, recovery testwork, licensing, land, utilities, water, financing and an economic threshold. Existing pilot structures are reused.

Selected Generation Springs concept, east of Petersburg. White buildings: enclosed floors; teal: process site; blue: water; dashed: conditional phase 3. Process equipment is preliminary massing, not a detailed recovery flowsheet. Utility corridors are proposed routes, not verified connections.

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Three practical locations are retained in the record; the selected Generation Springs location leads the current screening.

P-A Generation Springs



P-B ISRR alternative



P-C Mount Vernon alternative



SELECTED REFERENCE

Published industrial-development context, infrastructure opportunity and wetland and mapped flood avoidance compared with ISRR. Land, utilities and nuclear-material use remain unconfirmed.

LOCAL ALTERNATIVE

A second Petersburg industrial option keeps a local feed relationship. Extensive mapped flood and wetland overlap weakens the initial fit; rights remain unconfirmed.

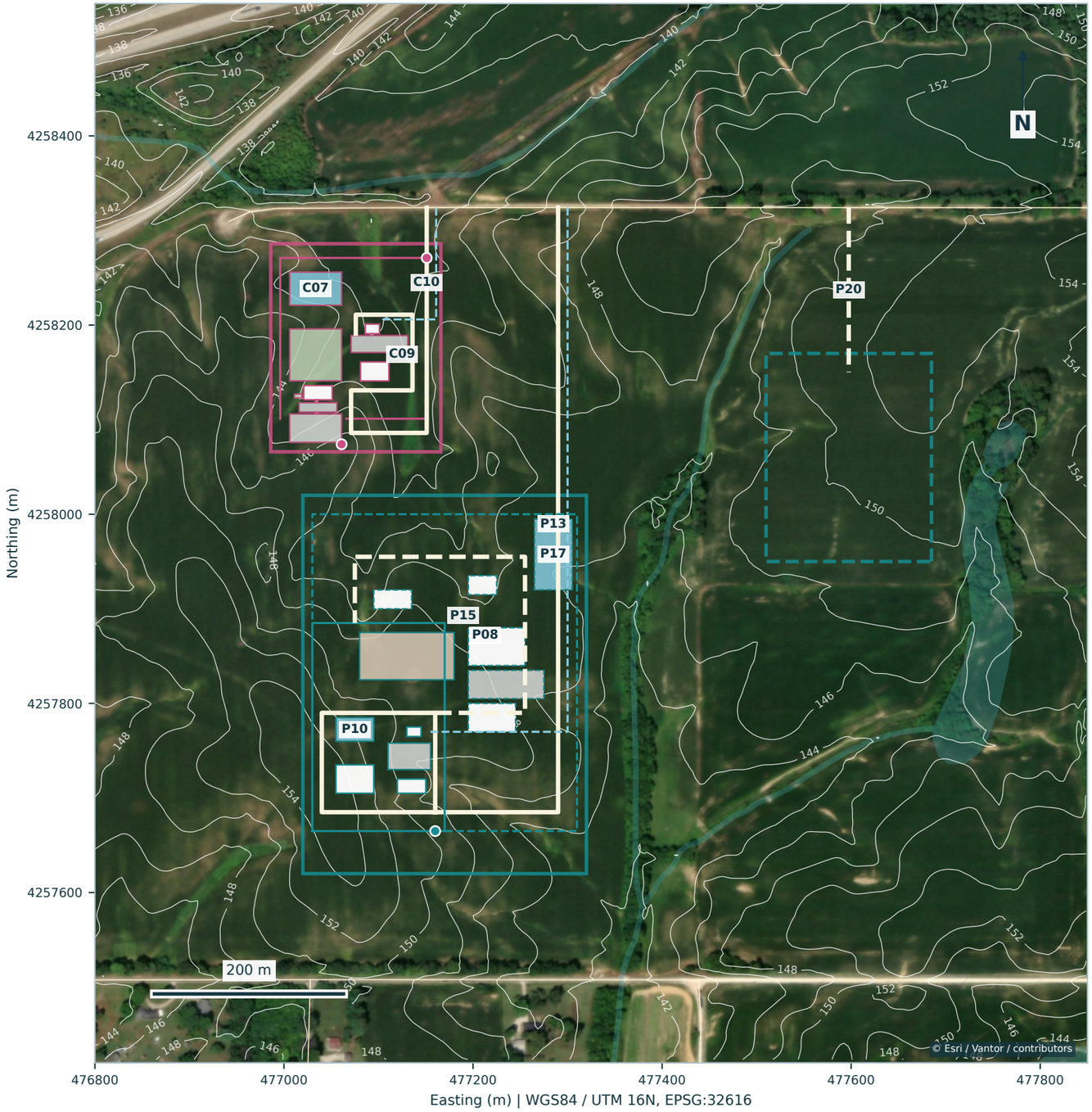
REGIONAL BENCHMARK

Lower Ohio River logistics align with Milieu Maritime Forge ambition. Longer feed haulage, flood uncertainty and site-specific authorizations must be resolved.

Candidate polygons are 12 ha conceptual core comparisons; published developer site outlines are broader and do not constitute permission. Selection is a planning screen, not proof of globally optimal profitability or authorized uranium use. All sources and unresolved criteria remain in the siting register.

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Road widths, paved areas, utility corridors and drainage reservations are explicit quantities in the cost model.



SCOPE YOU CAN TRACE

C09 Campus drive
588.2 m × 7 m

C10 Campus utilities
178.2 m

P08 Pilot circulation
1,219.3 m × 8 m

P13 Plant utilities
699.3 m

P15 Future circulation
510.0 m × 9 m

WATER MANAGEMENT BASIS

Separate clean runoff, contact-water study areas and contained residues. No basin capacity, discharge authorization or groundwater abstraction is established by these planning polygons.

ROAD AND UTILITY STATUS

Proposed spurs are geometric concepts. Public-road ties, turning radii, easements, utility capacity and crossing agreements require survey and operator review.

Line lengths are from EPSG:32616 master geometry. Road paving quantities use dissolved width buffers, subtracting earlier-phase surfaces to avoid junction double counting.

Native terrain contours are a drainage screening aid. Final drainage routing and hydraulic design remain future engineering.

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Proposed uranium air sampling stations support future baseline work; they are not existing uranium-in-air measurements.



BASELINE NETWORK CONCEPT

AM01 Campus boundary

AM02 Local plant north boundary

AM03 Local plant south boundary

AM04 Southern community receptor comparison

AM05 Mine investigation perimeter

AM06 Regional background comparison

MET01 meteorological station

Gold circles: mapped residential addresses; occupancy unverified. Gold polygon: school parcel proxy.

SEPARATE MEASUREMENT TYPES

Airborne gamma eU is terrestrial radiometric evidence. Uranium-in-air requires a qualified air sample and laboratory result. Gross gamma, alpha/beta and radon are different measurements.

RECEPTORS AND METEOROLOGY

Station positions are a costed initial design. Wind data, receptor locations, land access and an approved sampling plan determine final siting; do not claim a local wind direction from an unbuilt mast.

AM05 is at Daviess; AM06 is the regional background comparison northwest of Petersburg. All seven proposed monitoring features are identified in the master register and financial model.

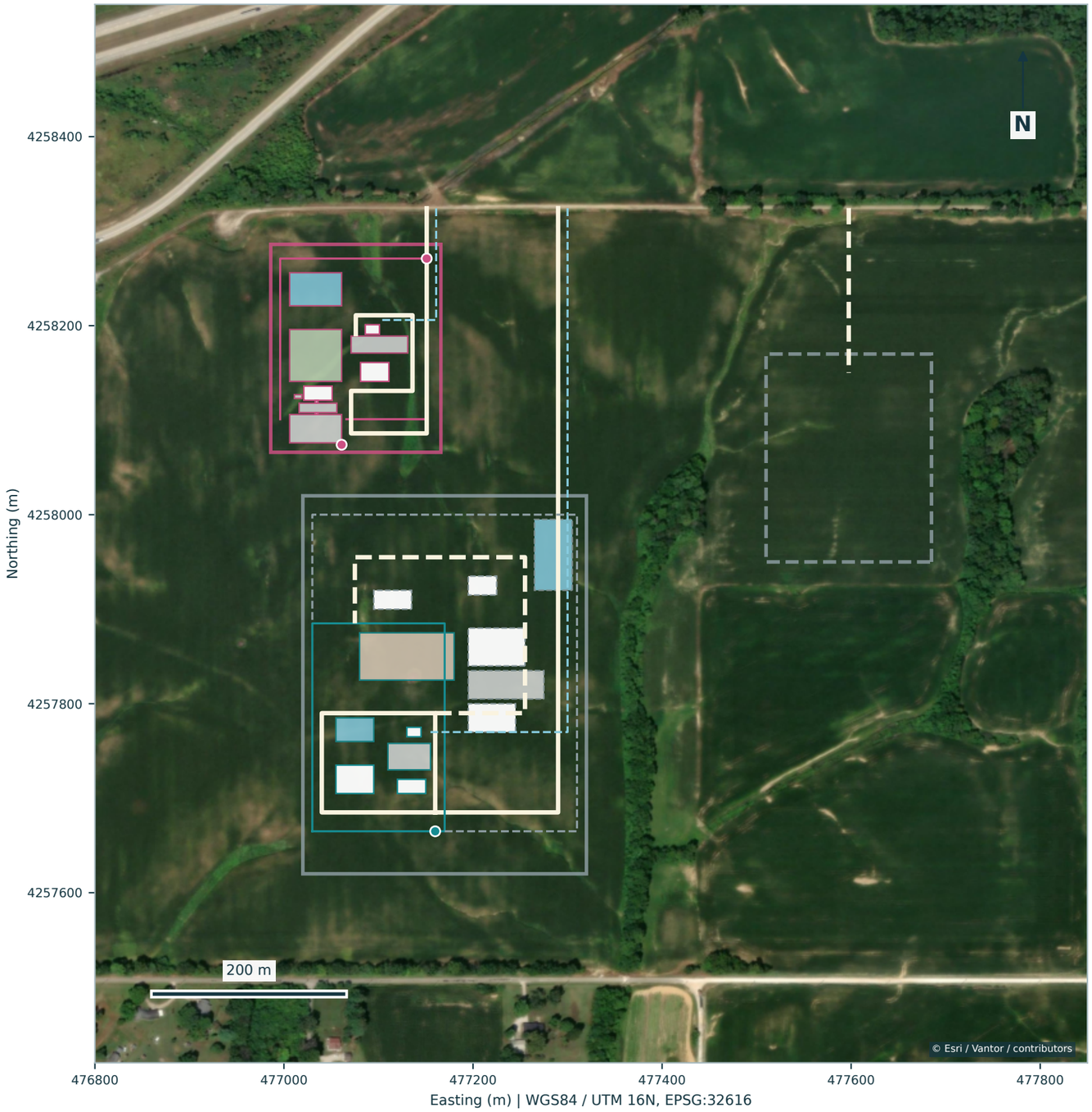
No site-specific uranium-in-air concentration is imputed from regional observations or from airborne radiometric mapping.

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MILIEU MINERALS

Phase the investment | preserve the site geometry

Every option appears in the master model, with separate phase tags and capital treatment.



PHASE 1 | EXPLORATION

Campus 1,200 m², field investigation support, sampling, core analysis, geospatial work and baseline monitoring. No operating mine is assumed.

PHASE 2 | CAMPAIGN PILOT

1,800 m² local pilot, contained testwork, pilot water and residue systems. Feed approvals and pilot permitting precede operations.

PHASE 3 | COMMERCIAL OPTION

Add 5,300 m² to reuse the pilot for 7,100 m² total. A 100 kt/y scenario is a financial screen only. Ore definition, grade, recovery and commercial thresholds control advancement.

RECLAMATION AND CLOSURE

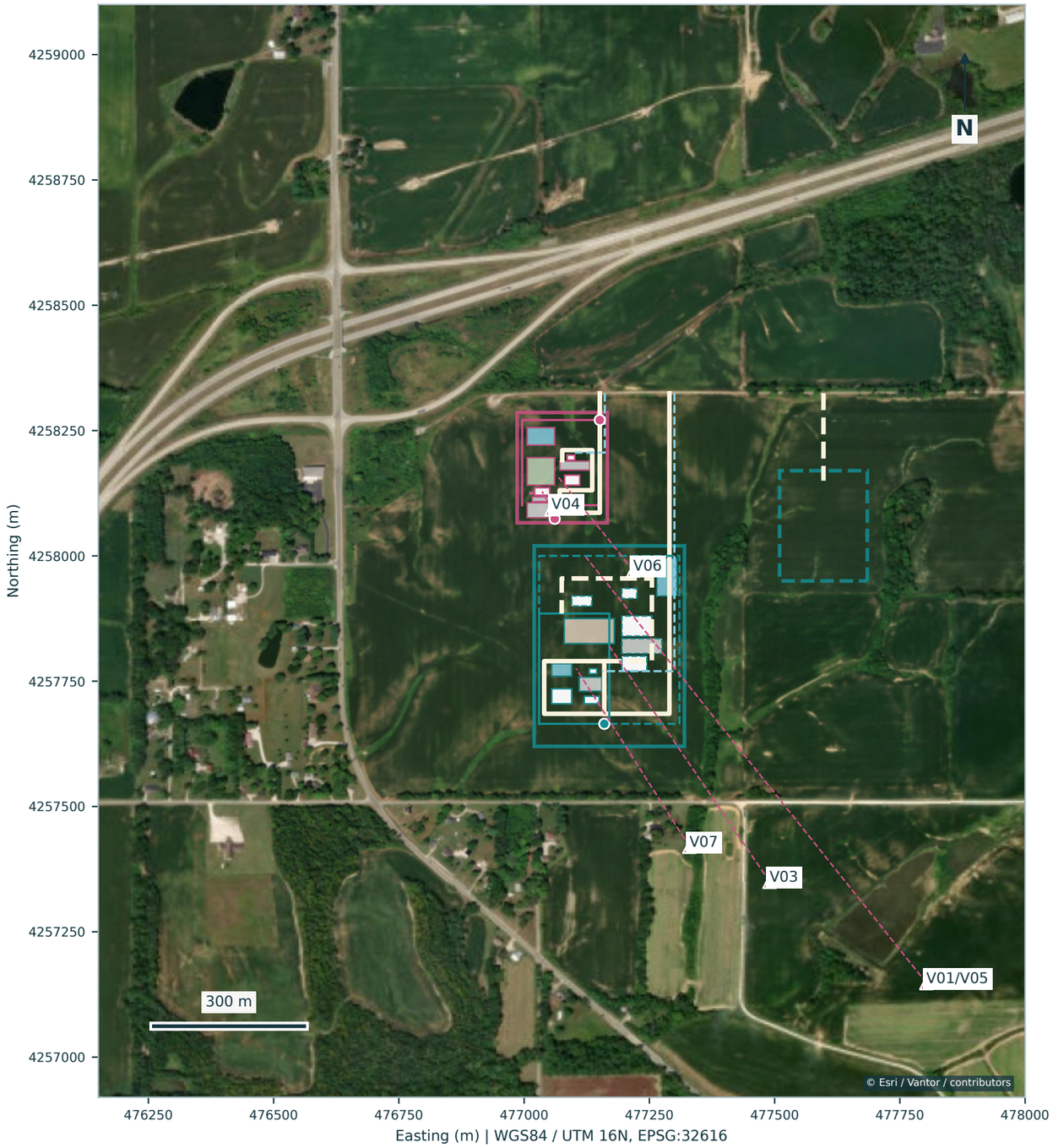
Retain separate allowances for investigation restoration, pilot decommissioning and conditional commercial closure. Surface reservations do not establish a funded bond or approved disposal design.

Pink: exploration
Teal: campaign pilot
Grey dashed: conditional future option

Phase IDs match GIS, Blender, drawings and the editable financial model. Early assets are reused; cumulative funding must not count the same building twice. Landscape and reclaimed ground in renderings remain design concepts, not ecological restoration performance forecasts.

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Every final architectural view is generated from the same coordinate-controlled geometry and terrain.



V01 Exploration campus and local processing in their actual relationship

V02 Prospective mine investigation and field support, no inferred orebody

V03 Local pilot and conditional commercial processing facility

V04 Milieu Minerals exploration and geospatial campus entrance

V05 Phase 1 campus and Phase 2 pilot, before commercial expansion

V06 Exploration and geospatial campus architectural overview

V07 Pilot recovery facility and first controlled handling campus

CONSISTENCY CONTRACT

GIS geometry controls building positions, dimensions, heights and phases. Blender adds facade and equipment detail within the approved allowances. Camera changes never relocate buildings.

Master geometry hash
af03eb069d200aa2fef25b6a1e83e0ae
9ff1f33550094f141c23bc1f159e6dc0

Camera positions, targets and fields of view are supplied as editable JSON/CSV. The separate mine view is keyed to its true geographic coordinates. Bright white facades, tinted glazing and restrained Milieu pink match across final views. Architectural concepts are not construction drawings.

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Each physical feature is assigned an ID, phase, quantity and financial treatment. Boundary areas do not become construction quantities automatically.

ID	Feature / cost basis	Phase	Quantity	Unit
C01	Welcome, GeoTrace and offices	1	450.0	m2
C02	Core analysis and secure sample hall	1	600.0	m2
C03	Secure storage and utilities	1	150.0	m2
C07	Stormwater landscape reservation	1	1,925.0	m2
C09	Campus drive and service circulation	1	4,117.2	m2
C10	Campus utility service corridor	1	178.2	m
C13	Shaded visitor pergola	1	32.0	m2
P01	Campaign pilot process hall	2	1,200.0	m2
P02	Pilot receiving and sample warehouse	2	450.0	m2
P03	Water and control building	2	150.0	m2
P04	Conditional commercial recovery hall	3	2,400.0	m2
P05	Conditional enclosed preparation hall	3	1,500.0	m2
P06	Conditional residue dewatering hall	3	800.0	m2
P07	Conditional product and maintenance hall	3	600.0	m2
P08	Pilot access and circulation	2	9,722.2	m2
P10	Pilot contact-water reservation	2	1,000.0	m2
P11	Pilot contained residue study area	2	5,000.0	m2
P13	Plant external utility corridor	2	699.3	m
P15	Commercial option circulation extension	3	4,556.0	m2
P17	Commercial option water reservation	3	3,000.0	m2
P18	Commercial option residue investigation reserve	3	38,500.0	m2
P20	Commercial residue access link	3	1,221.5	m2
M02	Sample shelter and field support	1	150.0	m2
M03	Proposed field access	1	826.3	m2
M04	Field runoff control reservation	1	600.0	m2

Full takeoff includes all master features, fence lengths, signs, gates and monitoring. Roads use dissolved plan buffers, and later phases exclude previously constructed surfaces.
Earthworks are separate native-terrain screens to a reference level. Contingency, geotechnical risk and design development remain allowances, not measured excavation contracts.