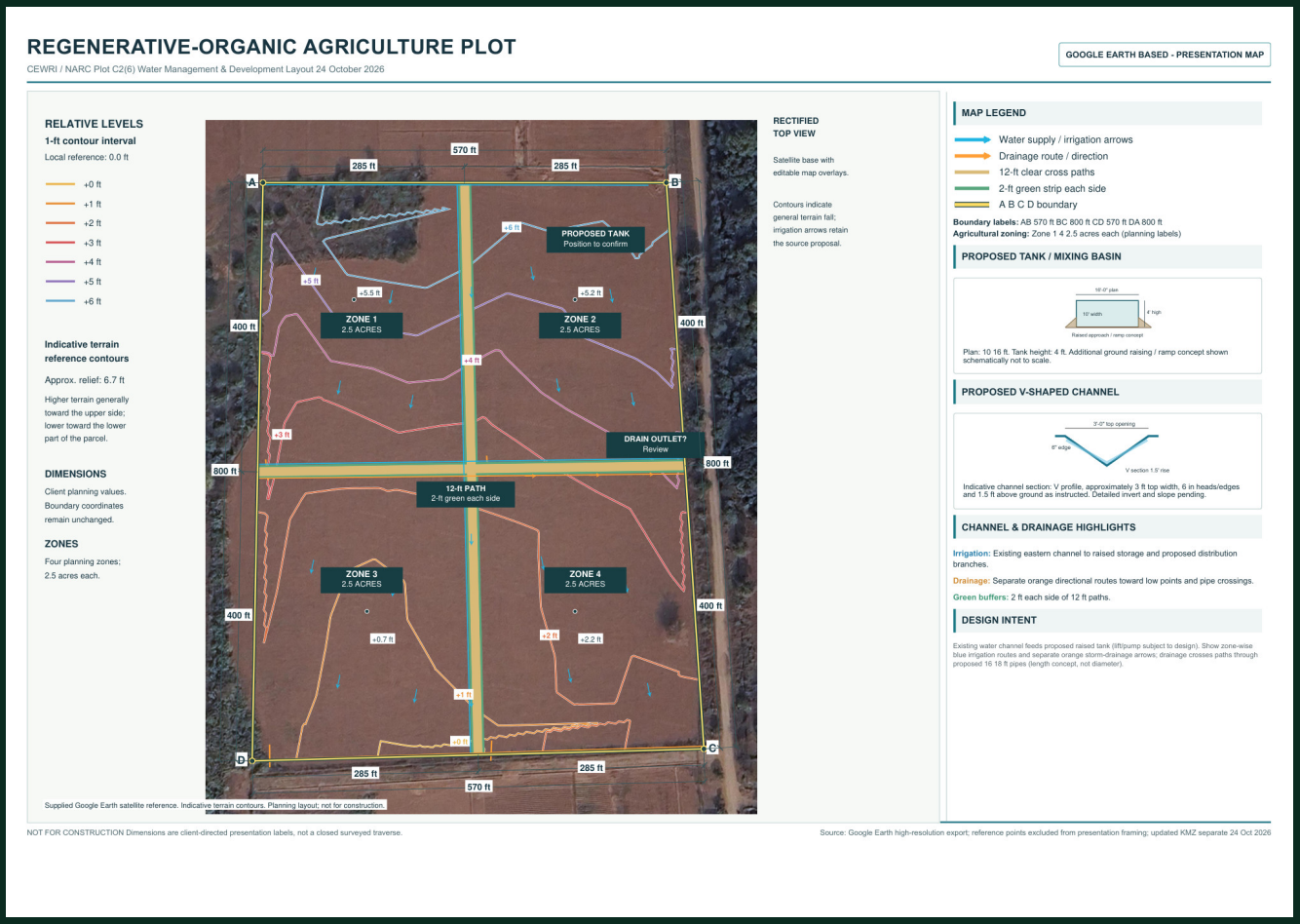
PULSE HATCH / FIELDWORK CASE STUDY

Ten-acre regenerative agriculture Water-management concept

Rohail Khalid | Rev12 updated 24 October 2026



The design question

How can land, access, relative terrain levels and proposed water routes remain legible on one coordinated planning map?

DELIVERED

A-D reference; four numbered zones; 12 ft paths with 2 ft green strips each side; 1 ft relative contours; 285/400 ft half dimensions; indicative water and drainage.

Google Earth base. Relative terrain contours and proposed routes; not surveyed gradients. Planning presentation only. Boundary labels are not a legal survey or construction drawing.

pulsehatch.pk/ten-acre-regenerative-water-plan/

From field reference to concept plan

01 FIELD FINDING

The reported plot/channel level difference is about 2.2 ft; higher/lower sign, endpoints and datum remain to be checked. Collected dumpy-level readings have not been reconciled with this presentation before hydraulic design.

02 LAYOUT CONTROL

A-B-C-D points frame a consistent presentation reference. Source labels show 570 ft and 800 ft opposite sides as planning dimensions, not a closed legal boundary traverse. Four 2.5-acre zones are planning labels.

03 ACCESS & LANDSCAPE

The concept reserves 12 ft clear cross paths and a 2 ft green or flower strip on each side. Crop names are removed: ZONE 1-4 and 2.5 ACRES on two lines.

04 WATER & DRAINAGE

A raised tank / mixing basin and V-shaped channel remain proposals for design review. Separate drainage routes and pipe crossings are shown as concepts connecting toward the existing channel; outlet levels need checking.

05 STATUS

The Rev12 map adds 1 ft contours with local relative labels +0 to +6 ft. Approximate source relief is 6.7 ft. Terrain contours are indicative; field levels and hydraulics remain unverified. Construction outcomes are not claimed.

Source: field references, Rev12 planning map and modelled terrain; Google Earth base.

Prepared by Rohail Khalid / Pulse Hatch. Planning only; verify levels and permissions on site.

REGENERATIVE-ORGANIC AGRICULTURE PLOT

CEWRI / NARC Plot C2(6) Water Management & Development Layout 24 October 2026

GOOGLE EARTH BASED - PRESENTATION MAP

RELATIVE LEVELS

1-ft contour interval

Local reference: 0.0 ft

- +0 ft
- +1 ft
- +2 ft
- +3 ft
- +4 ft
- +5 ft
- +6 ft

Indicative terrain reference contours

Approx. relief: 6.7 ft

Higher terrain generally toward the upper side; lower toward the lower part of the parcel.

DIMENSIONS

Client planning values. Boundary coordinates remain unchanged.

ZONES

Four planning zones; 2.5 acres each.



Supplied Google Earth satellite reference. Indicative terrain contours. Planning layout; not for construction.

RECTIFIED TOP VIEW

Satellite base with editable map overlays.

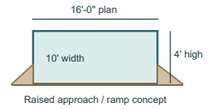
Contours indicate general terrain fall; irrigation arrows retain the source proposal.

MAP LEGEND

- Water supply / irrigation arrows
- Drainage route / direction
- 12-ft clear cross paths
- 2-ft green strip each side
- A B C D boundary

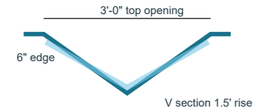
Boundary labels: AB 570 ft BC 800 ft CD 570 ft DA 800 ft
Agricultural zoning: Zone 1 4 2.5 acres each (planning labels)

PROPOSED TANK / MIXING BASIN



Plan: 10 16 ft. Tank height: 4 ft. Additional ground raising / ramp concept shown schematically not to scale.

PROPOSED V-SHAPED CHANNEL



Indicative channel section: V profile, approximately 3 ft top width, 6 in heads/edges and 1.5 ft above ground as instructed. Detailed invert and slope pending.

CHANNEL & DRAINAGE HIGHLIGHTS

Irrigation: Existing eastern channel to raised storage and proposed distribution branches.

Drainage: Separate orange directional routes toward low points and pipe crossings.

Green buffers: 2 ft each side of 12 ft paths.

DESIGN INTENT

Existing water channel feeds proposed raised tank (lift/pump subject to design). Show zone-wise blue irrigation routes and separate orange storm-drainage arrows; drainage crosses paths through proposed 16 18 ft pipes (length concept, not diameter).

NOT FOR CONSTRUCTION Dimensions are client-directed presentation labels, not a closed surveyed traverse.

Source: Google Earth high-resolution export; reference points excluded from presentation framing; updated KMZ separate 24 Oct 2026