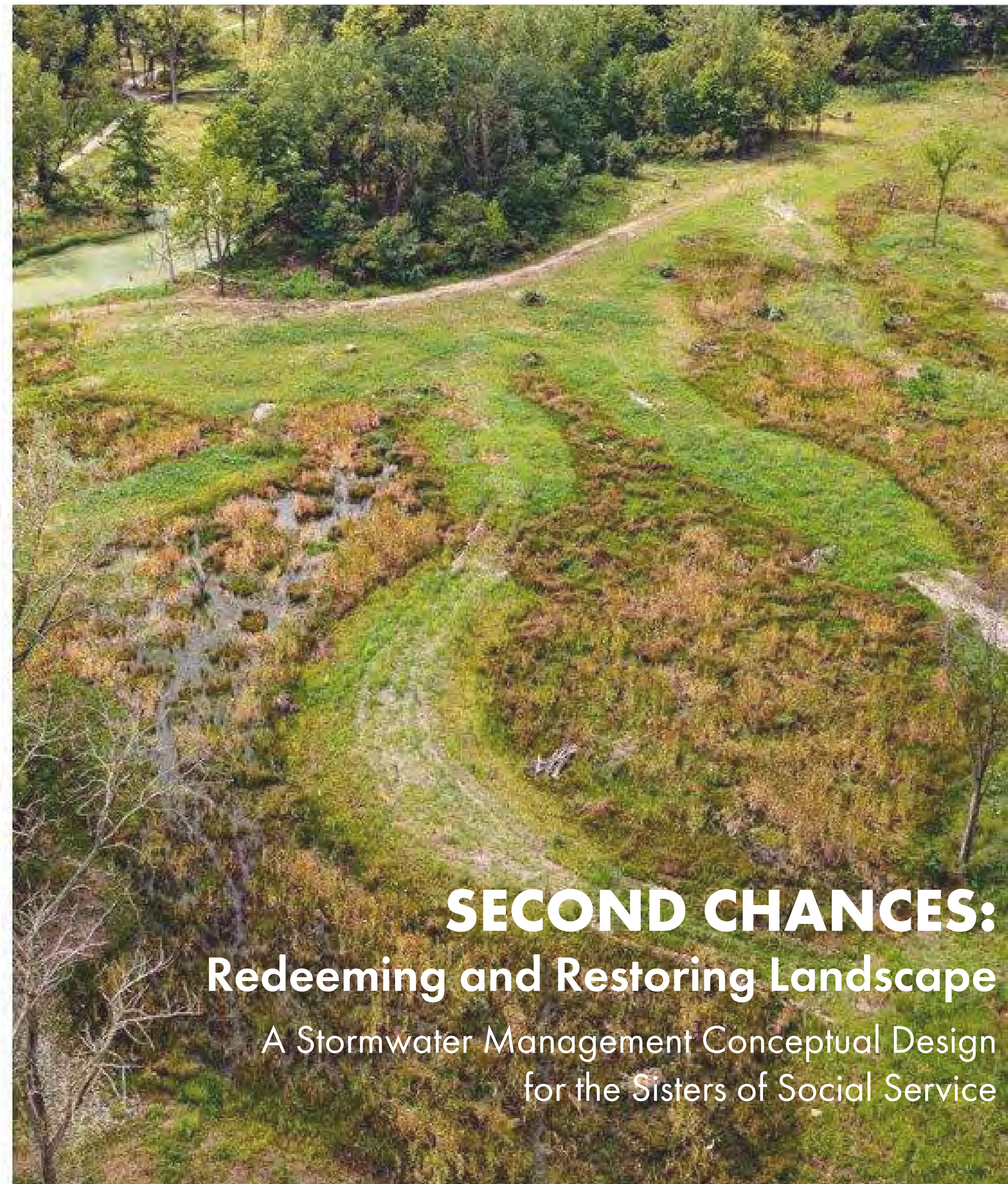




SECOND CHANCES: **Redeeming and Restoring Landscape** A Stormwater Management Conceptual Design for the Sisters of Social Service

A NATURALISTIC APPROACH TO STORMWATER MANAGEMENT



Room for renewal.

While there are clear constraints in the above photo, this space is a microcosm of what the entire site can be and serves as an inspiration in itself for this design, a place for redemption and restoration.

- **Existing sense of enclosure:** the surrounding slopes and mature canopy already create a naturally protected, contemplative room.
- **Strong central focal point:** the cross gives the space an immediate spiritual orientation and could become part of a much more dramatic composition.
- **Mature tree canopy:** provides shade, scale, and an established woodland character that would be difficult to recreate from scratch.
- **Places to reveal water:** because runoff already moves toward this area, stormwater could become a visible, seasonal part of the prayer experience rather than something hidden or drained away.

Slow it. Spread it. Sink it. Give it a second chance.

Each intervention is intentionally simple using the existing land, basic tools, and natural materials to guide water differently rather than reconstructing the site. Together, these small moves create the conditions for the landscape to recover.

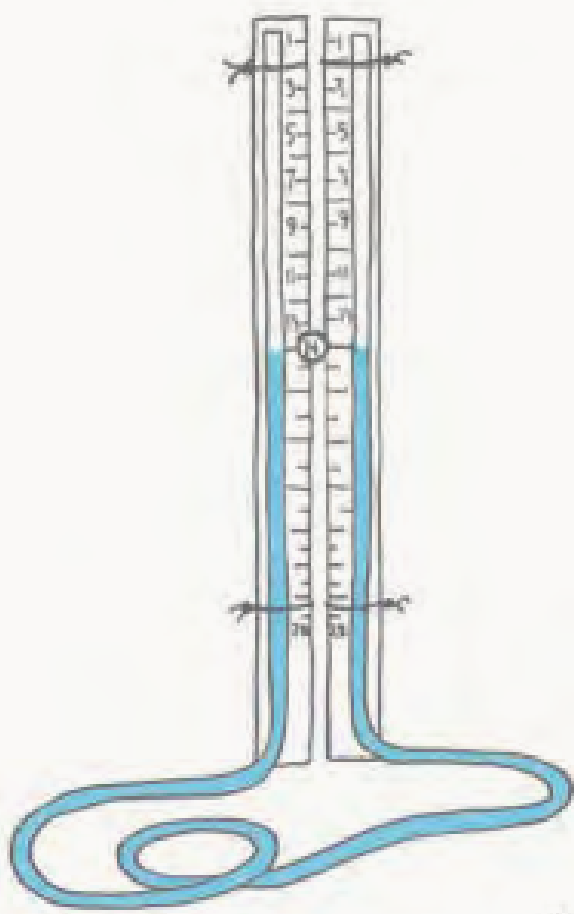


Fig. A1.1. Bunyip water level

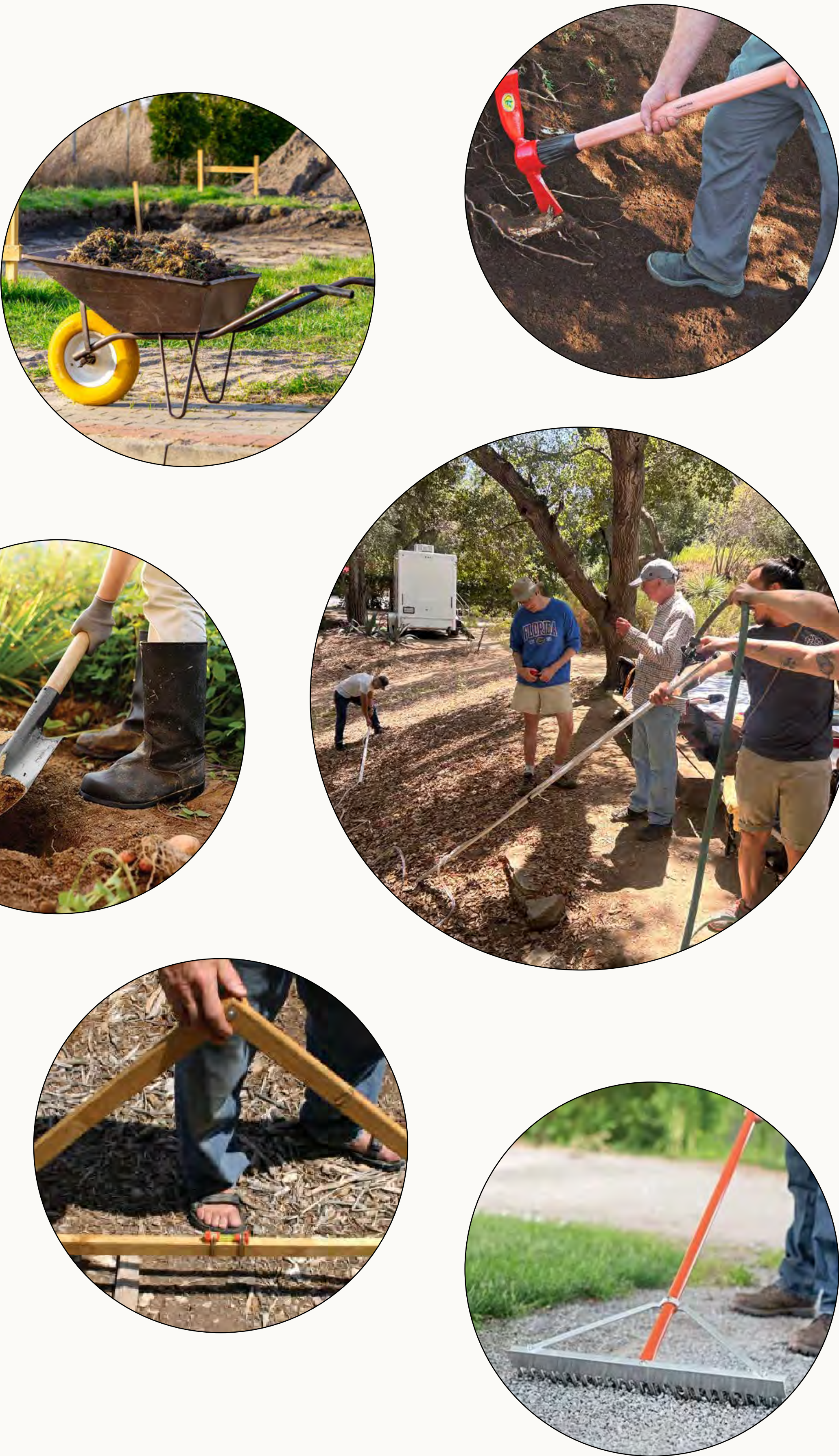


Fig. A1.7. A-frame level

A landscape can practice hospitality too.

Rather than pushing water away from the site, the land is reshaped to receive it. Rain gardens become places to gather as well as places of infiltration; water is slowed but intentionally in sight lines and along paths as it infiltrates. In a dry climate, these spaces will not always be wet, but the form of these interventions, the planting to better accompany it, and the materials added reveal where water belongs when it does come and where it needs to go to better experience the space.

The landscape becomes a record of water: welcoming it in the rainy season and carrying its presence through the rest of the year.

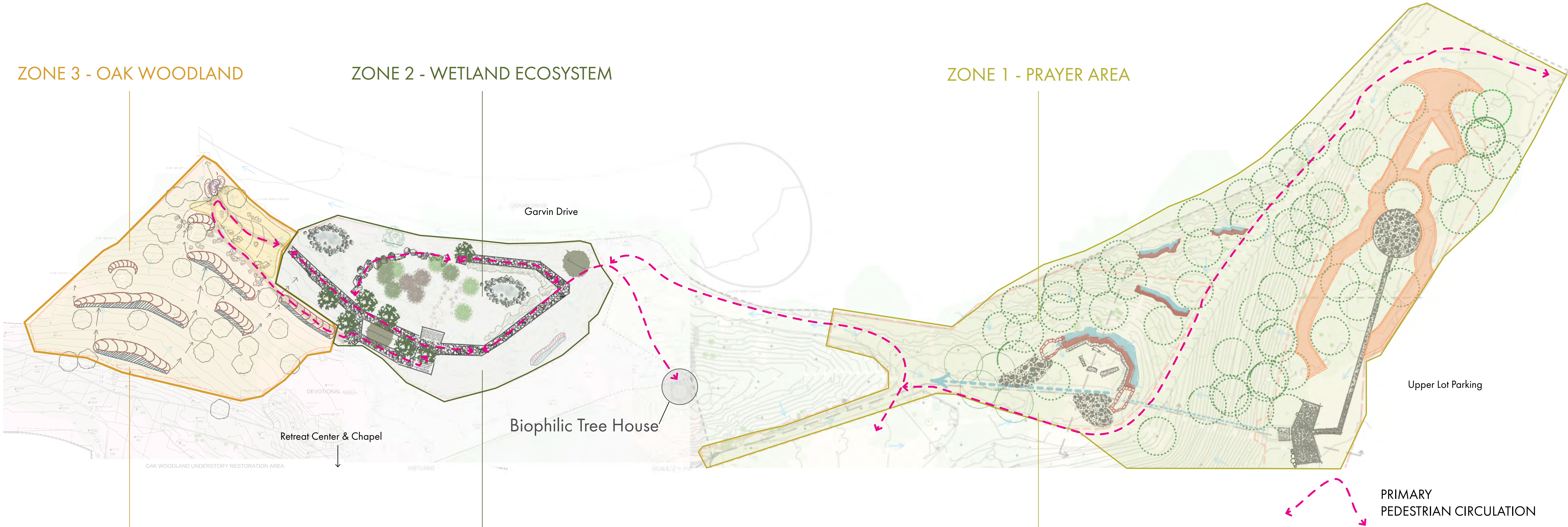


FULL SITE CONCEPTUAL PLAN

ZONE 3 - OAK WOODLAND

ZONE 2 - WETLAND ECOSYSTEM

ZONE 1 - PRAYER AREA



A Woodland Understory Story

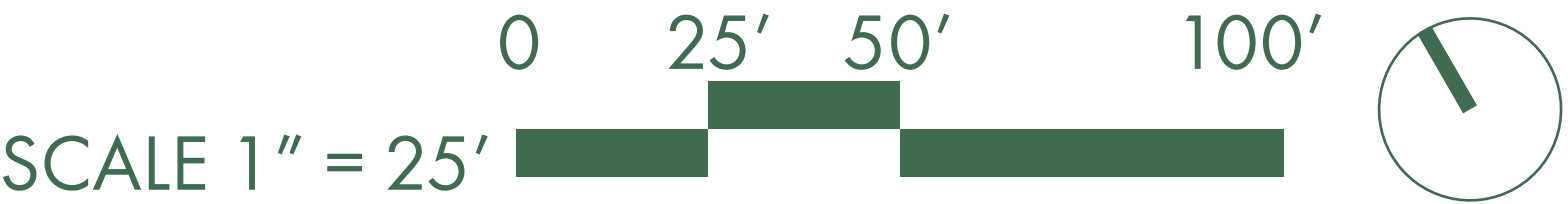
Simple berms and basins follow the contours of the woodland slope, intercepting runoff before it leaves the site. Water is slowed, spread across the landscape, and given more time to infiltrate into the soil and support the woodland.

A Step in the Wet Direction

In an area that already wants to be wet and is getting runoff from a leaky lake, a simple boulder path allows people to move through it while preserving its natural hydrology. Seasonal water can remain part of the landscape instead of becoming an obstacle, infiltrate into the soil and support the adjacent woodland.

Higher Ground

Small terraces slow water moving down the steep slope above the prayer circle, reducing erosion and helping prevent runoff from concentrating in this important gathering space.



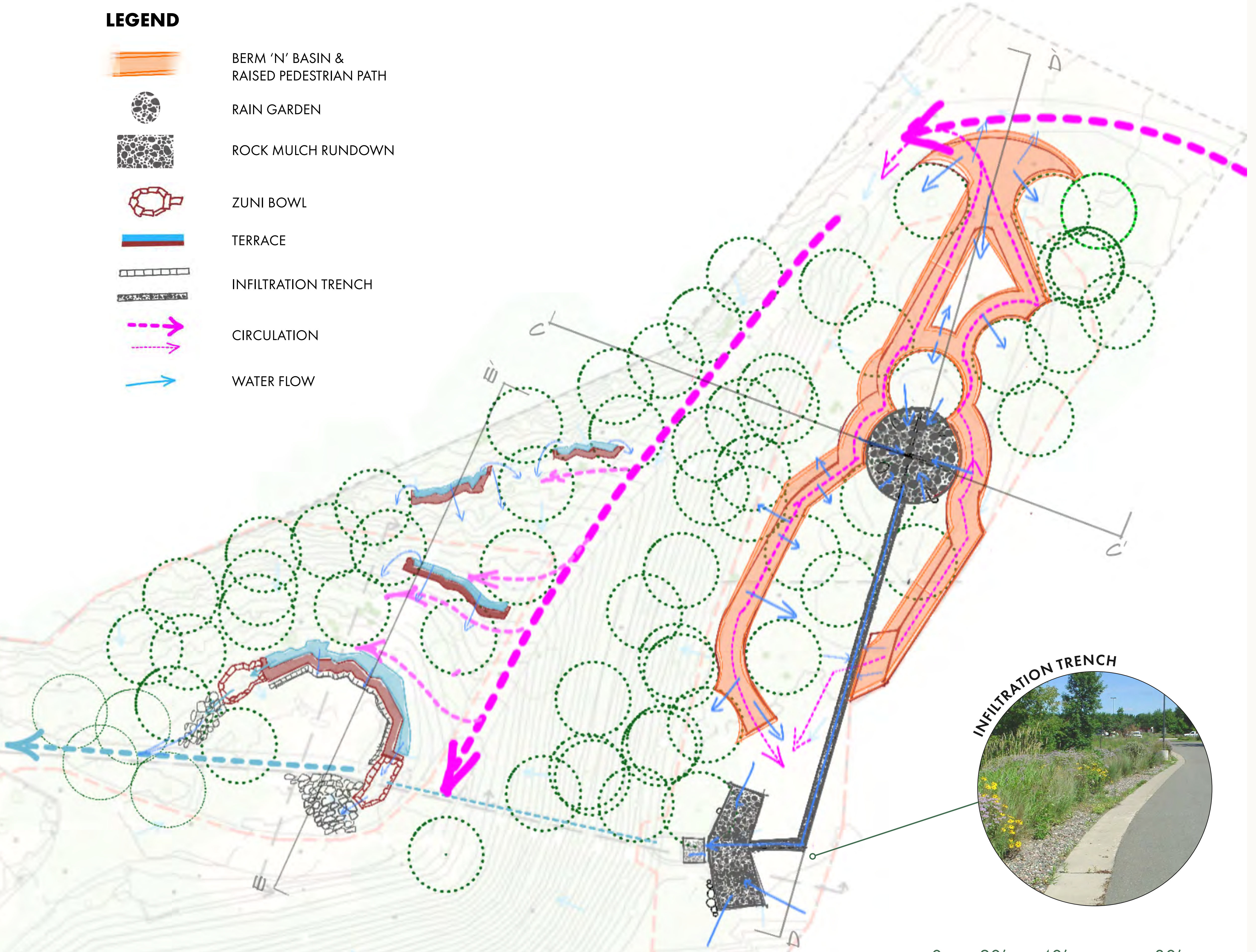
CONCEPTUAL PLAN

ZONE 1

MEDITATION AND
DEVOTIONAL
RESTORATION

LEGEND

- BERM 'N' BASIN & RAISED PEDESTRIAN PATH
- RAIN GARDEN
- ROCK MULCH RUNDOWN
- ZUNI BOWL
- TERRACE
- INFILTRATION TRENCH
- CIRCULATION
- WATER FLOW



INFILTRATION TRENCH

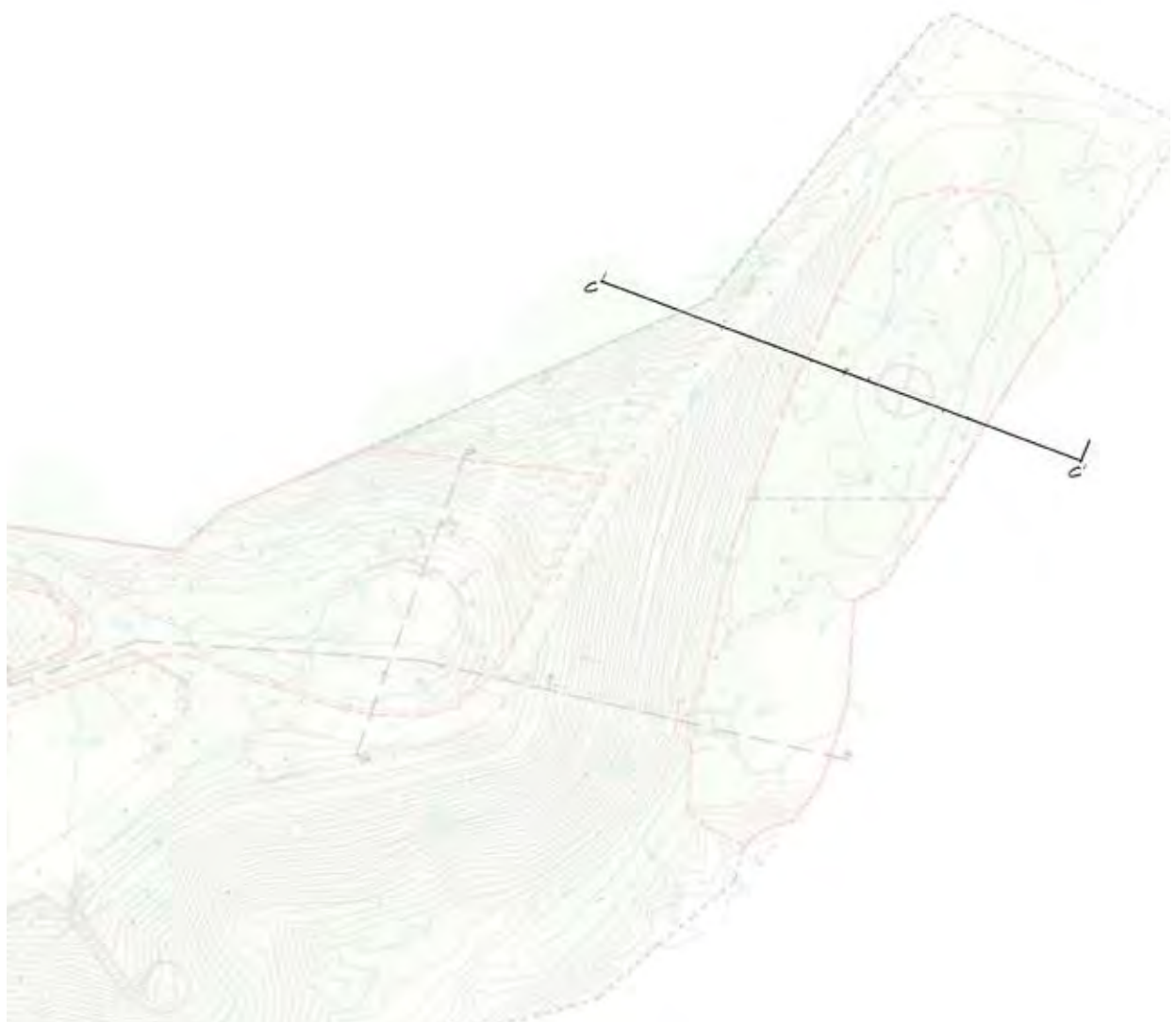


0 20' 40' 80'

SCALE 1/16" = 1'



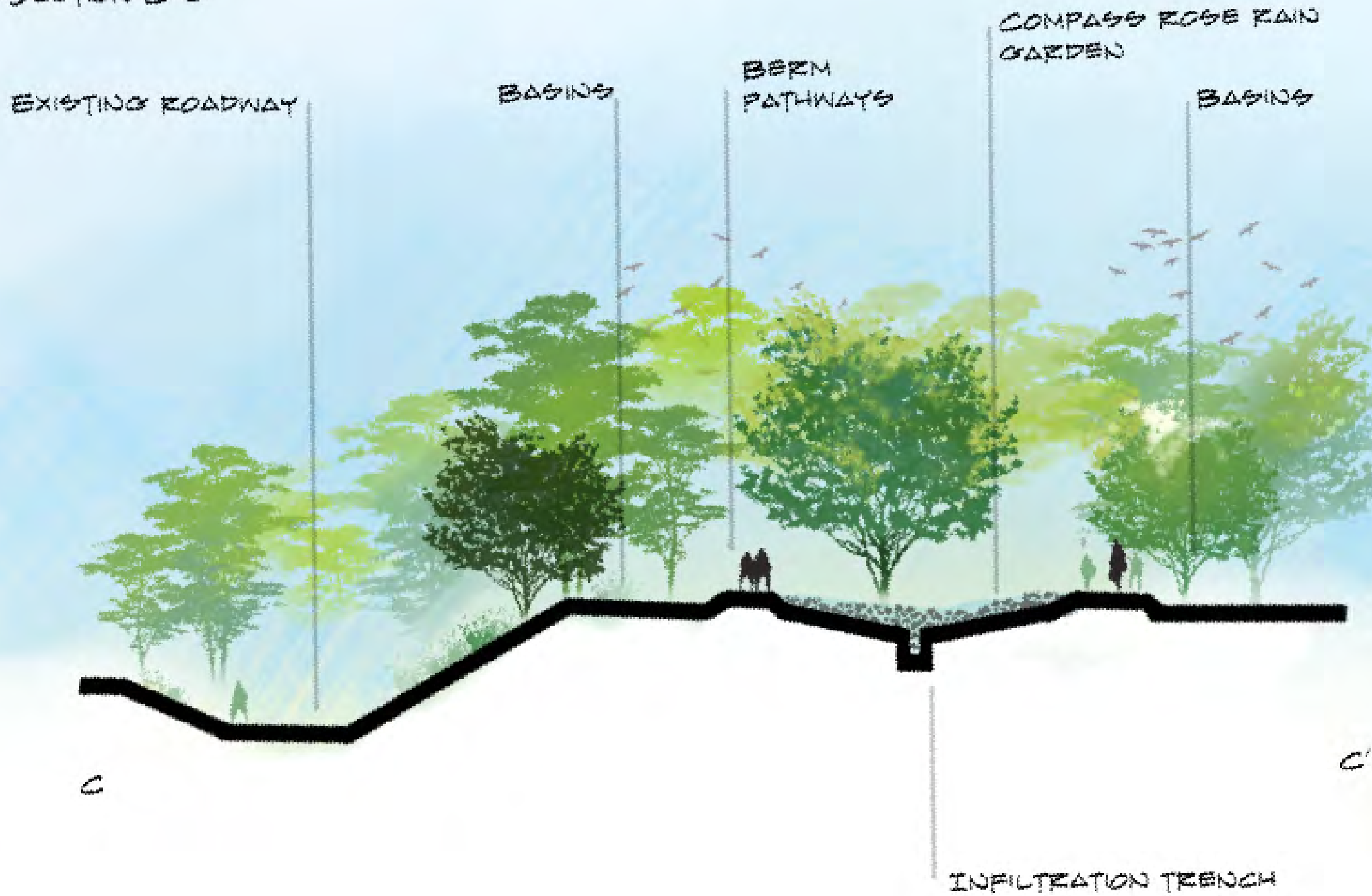
MEDITATION AND DEVOTIONAL RESTORATION



KEY MAP NTS

UPPER MEDITATION WALK

SECTION C-C'



MEDITATION AND DEVOTIONAL RESTORATION

SECTION D-D' | E-W

ROCK MULCH RUN DOWN

INFILTRATION TRENCH

BERM
PATHWAYS

COMPASS ROSE RAIN GARDEN

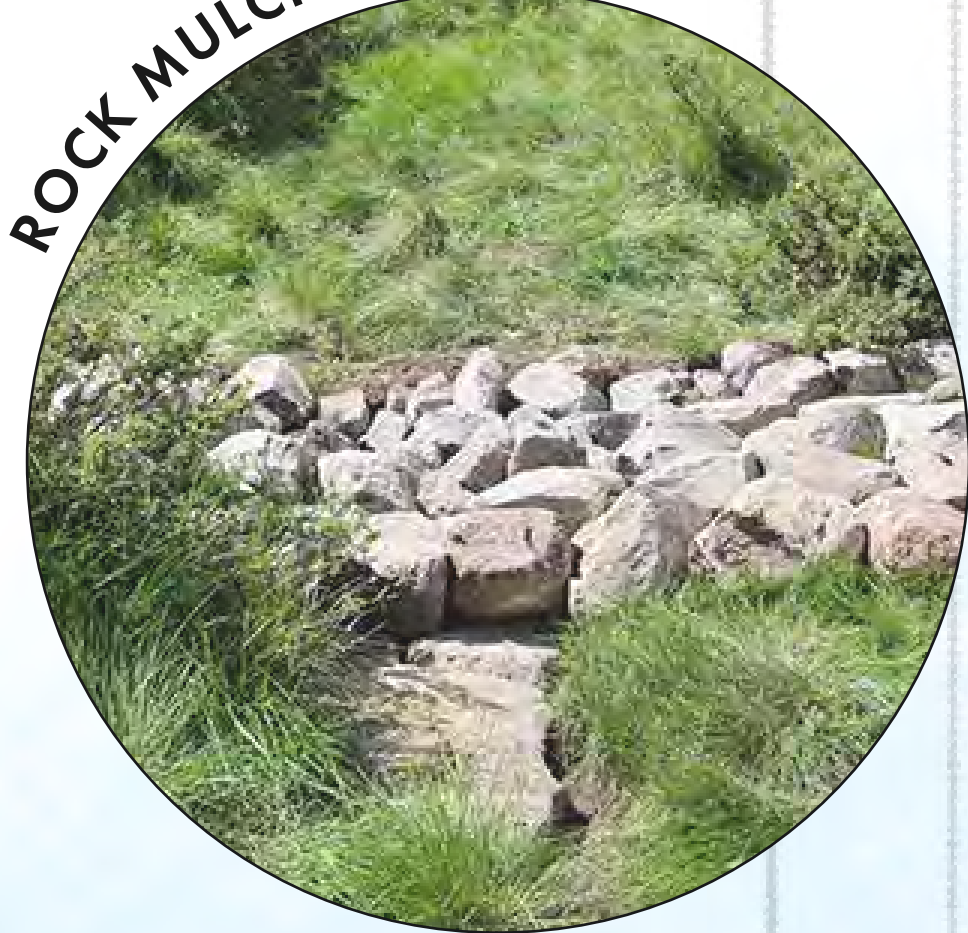
BASINS



KEY MAP NTS

ROCK MULCH RUNDOWN

EXISTING CULVERT



D

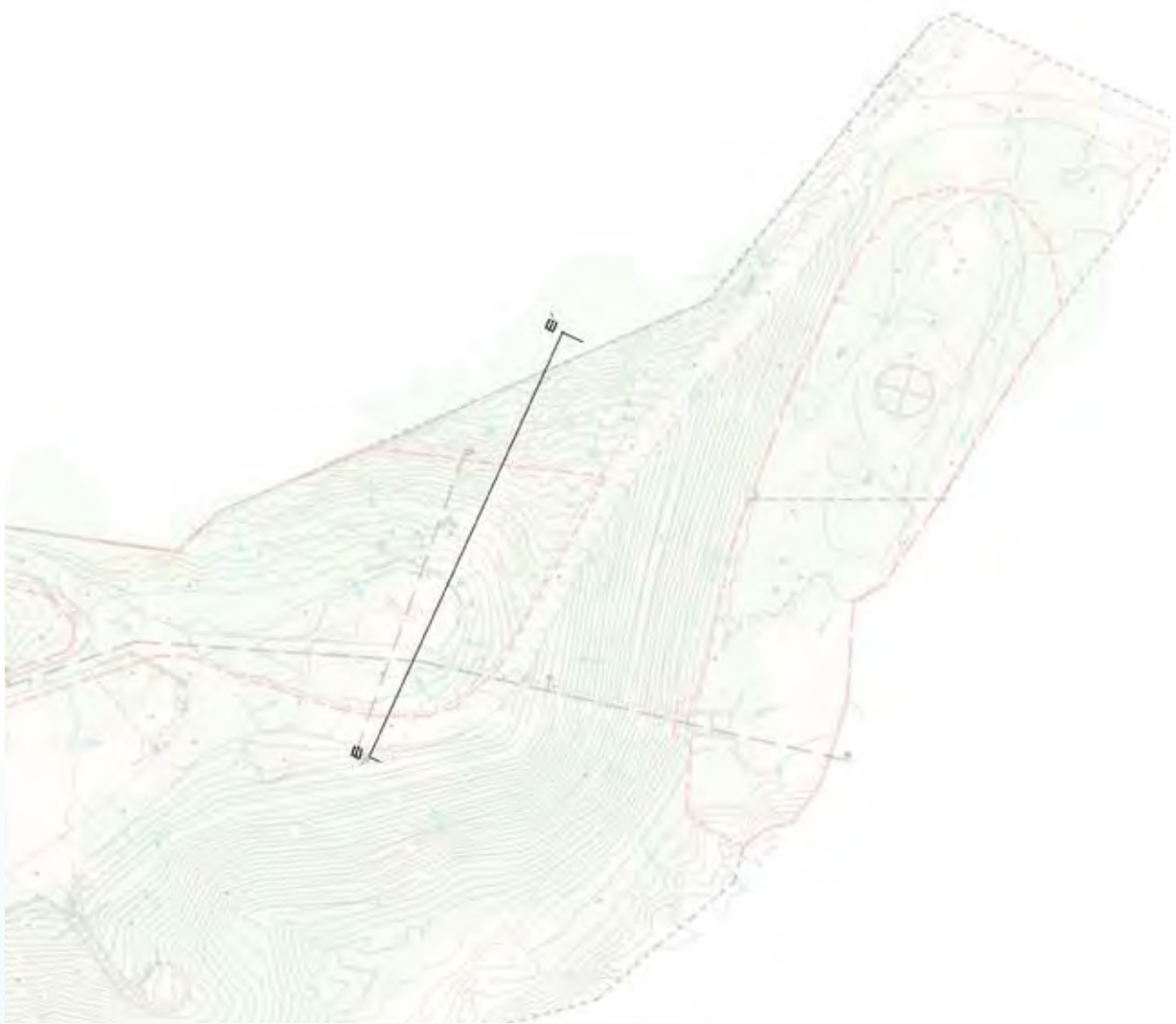
D'

TO OFFICES & CHAPEL

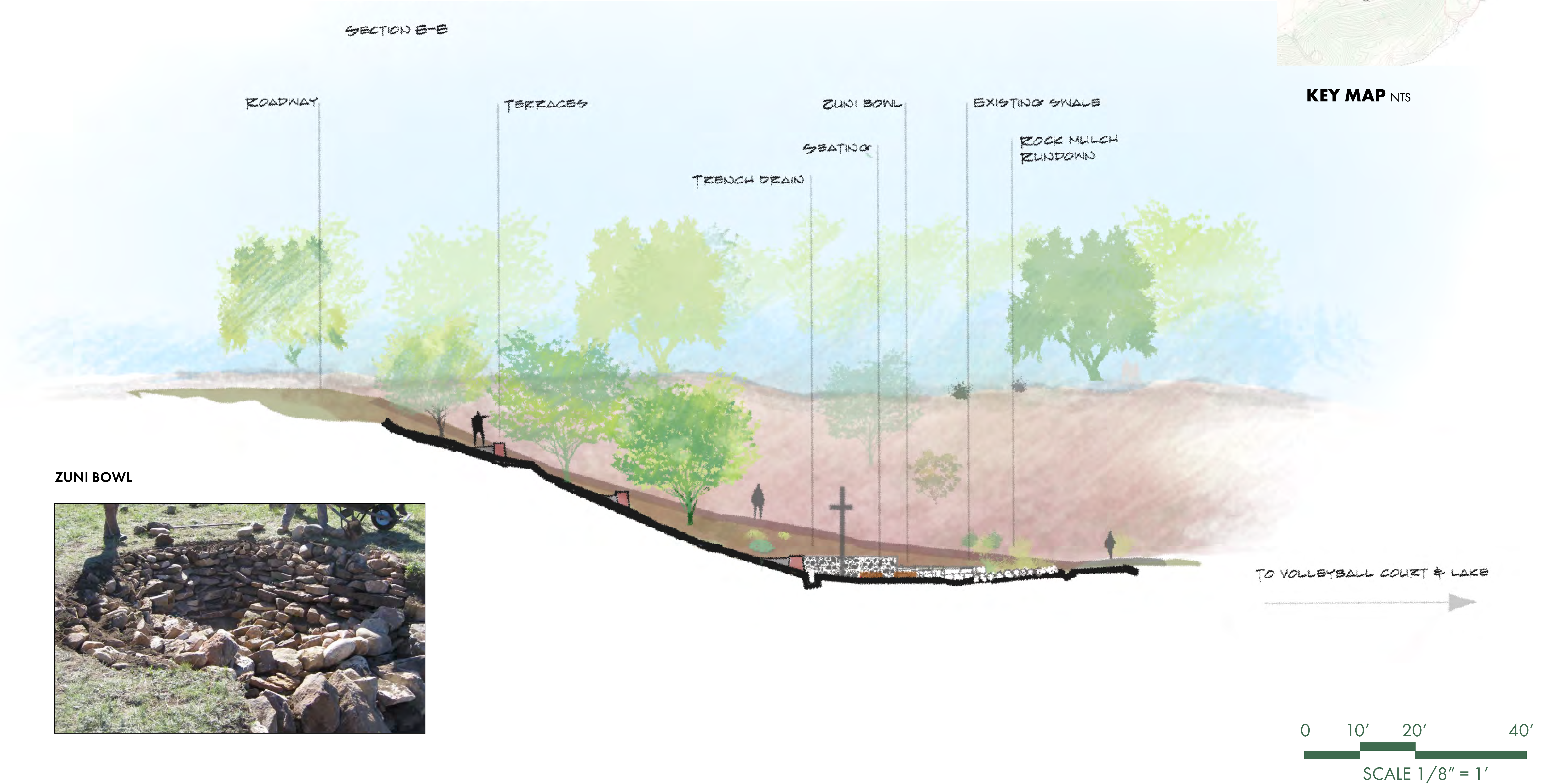
0 10' 20' 40'

SCALE 1/8" = 1'

MEDITATION AND DEVOTIONAL RESTORATION



KEY MAP NTS

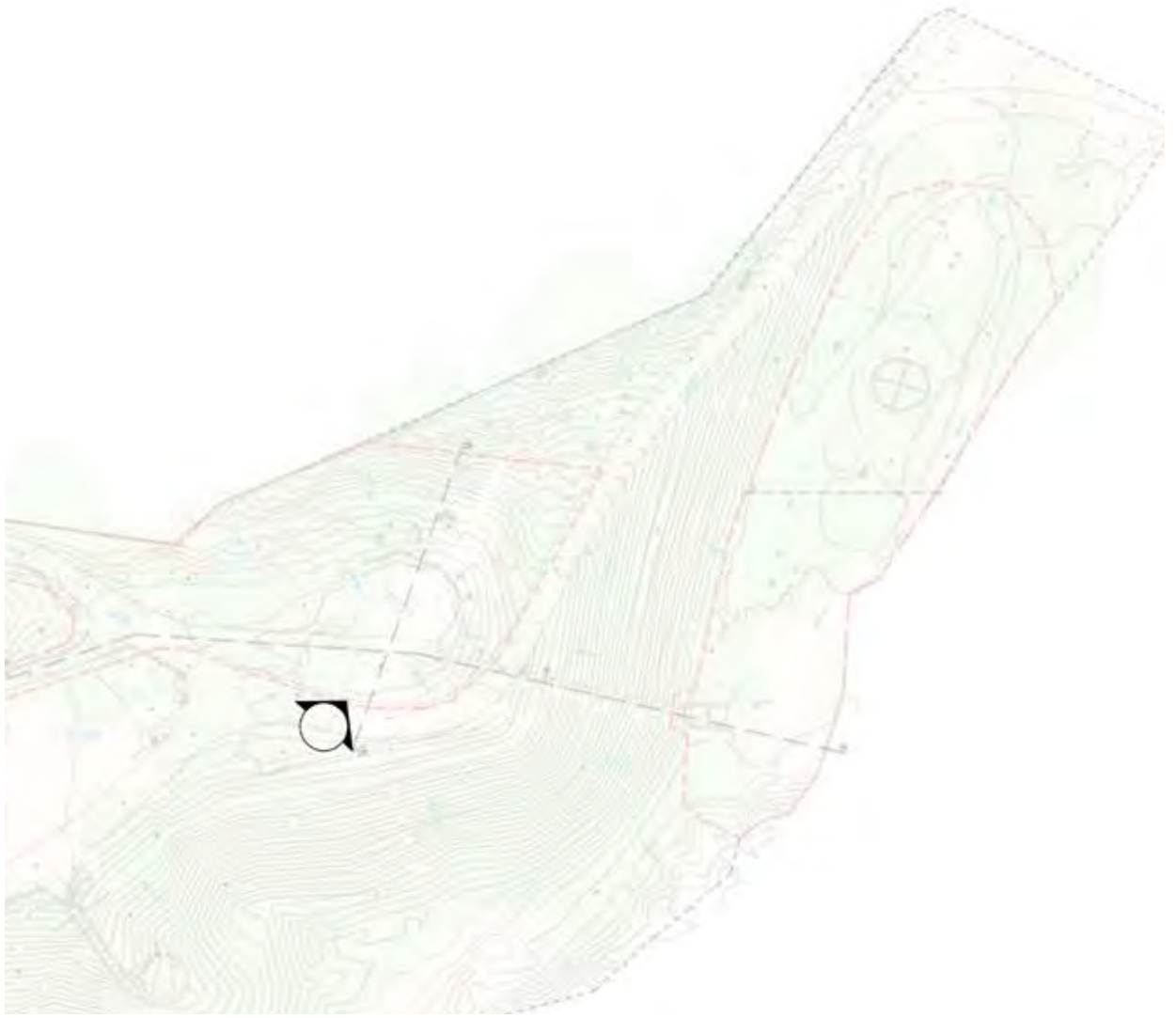
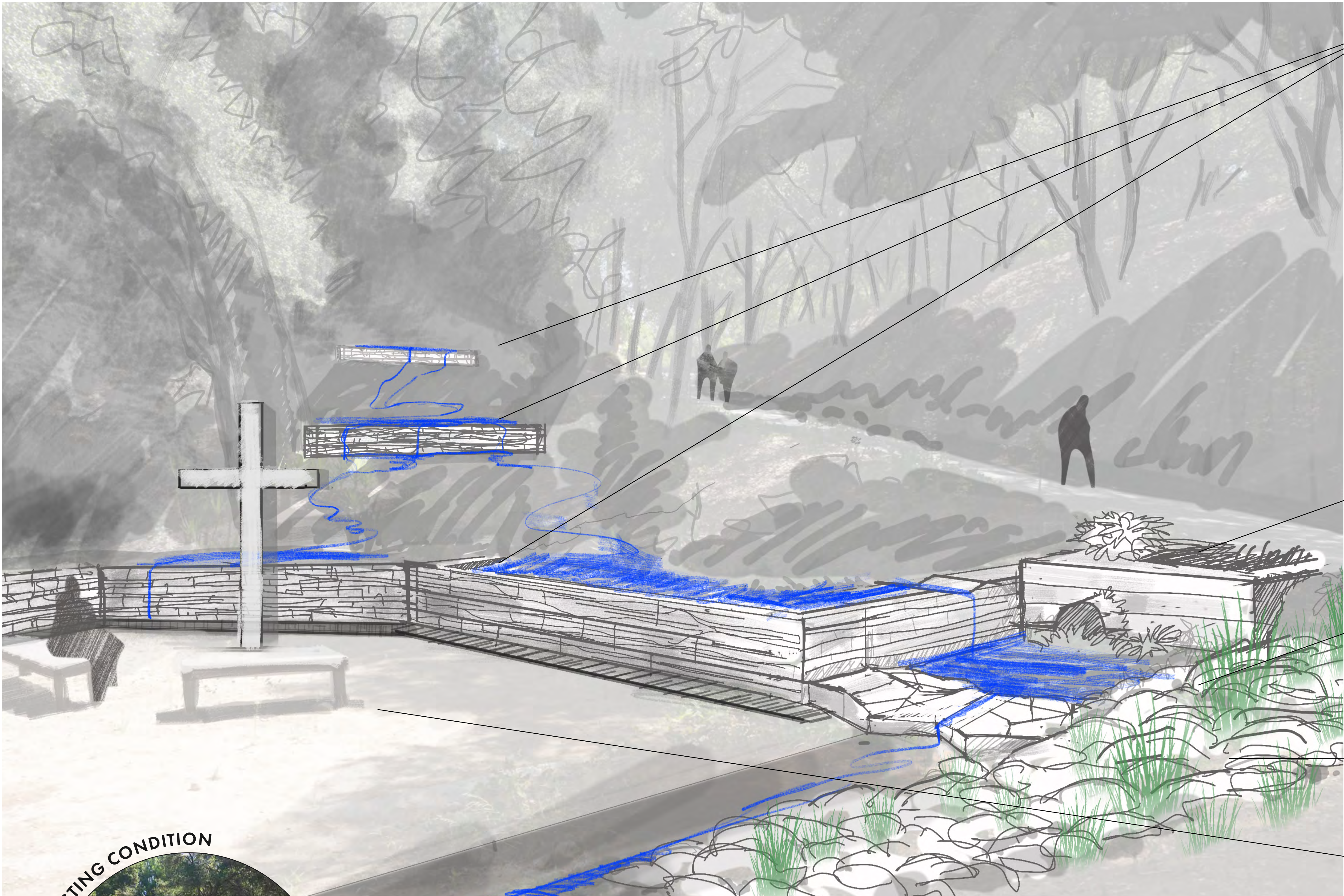


ZUNI BOWL



MEDITATION AND DEVOTIONAL
RESTORATION

SKETCH 1 - LOWER DEVOTIONAL AREA LOOKING EAST



KEY MAP NTS

TERRACES

CULVERT FROM UPPER AREA

ZUNI BOWL

ROCK MULCH RUNDOWN

SEATING & GATHERING

EXISTING CONDITION



CONCEPTUAL PLAN
ZONE 2
WETLAND ECOSYSTEM

- LEGEND**
- RAIN GARDEN
 - TREE STUMP PATH
 - BOULDER PATH
 - ACCESSIBLE PEDESTRIAN PATH
 - BERM AND BASIN

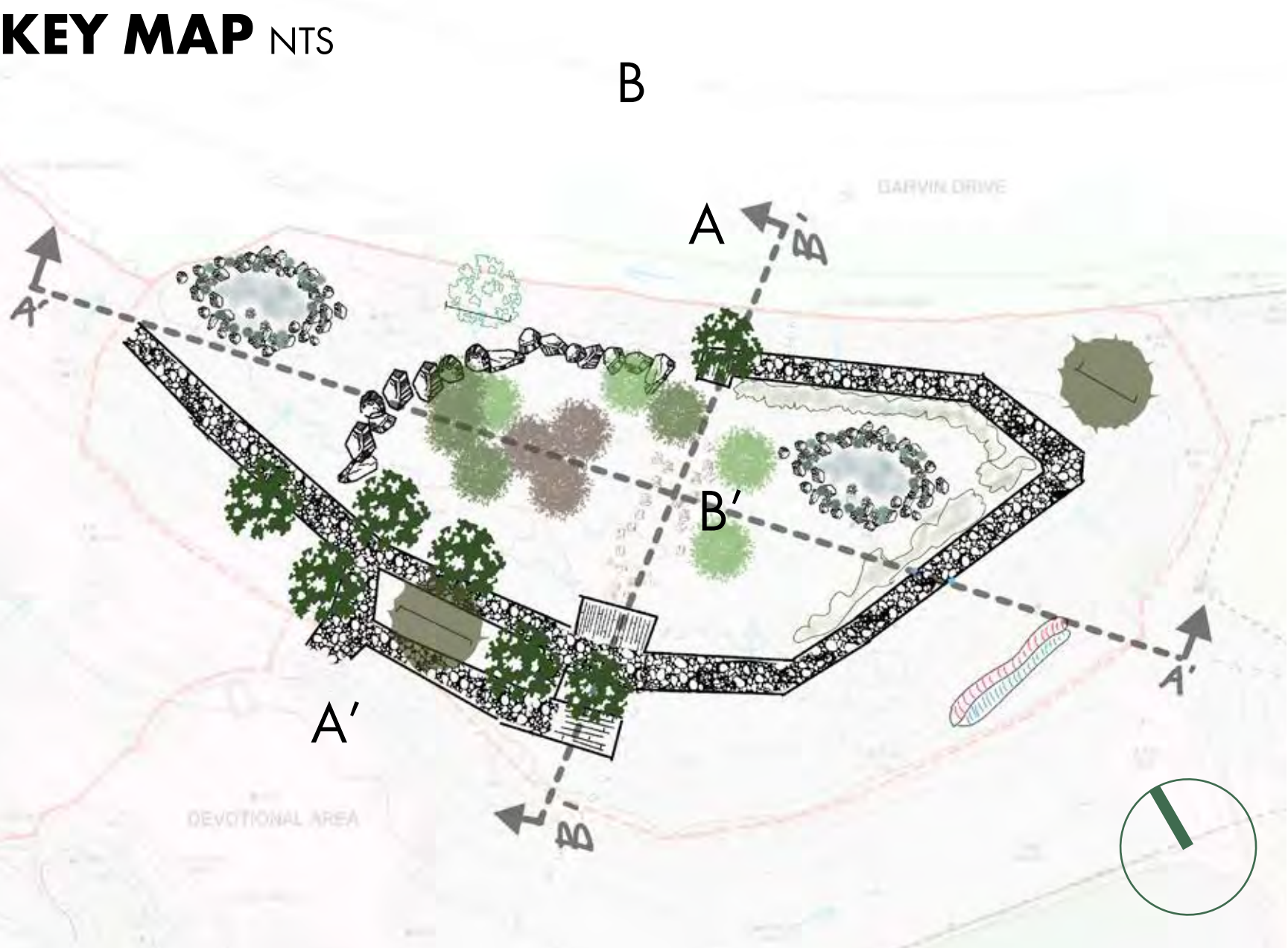
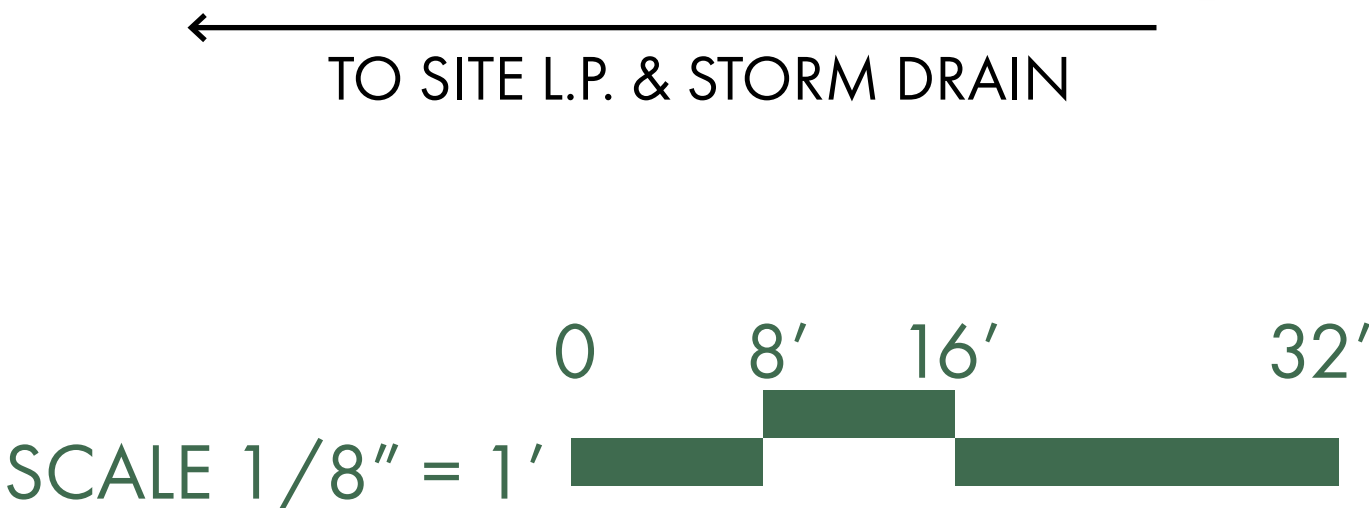
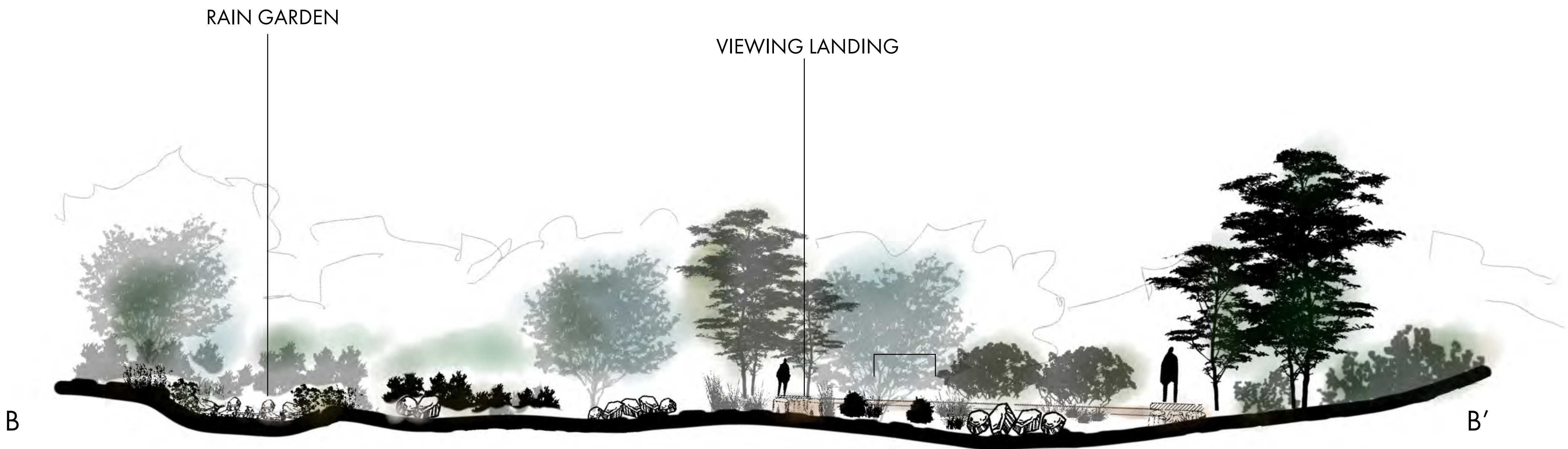


SECTION ELEVATIONS
WETLAND ECOSYSTEM

SECTION A-A' | NORTH/SOUTH



SECTION B-B' | EAST/WEST



SECTION ELEVATIONS & PERSPECTIVES
WETLAND ECOSYSTEM

SKETCH 1: WETLAND CROSSINGS



EXISTING CONDITION

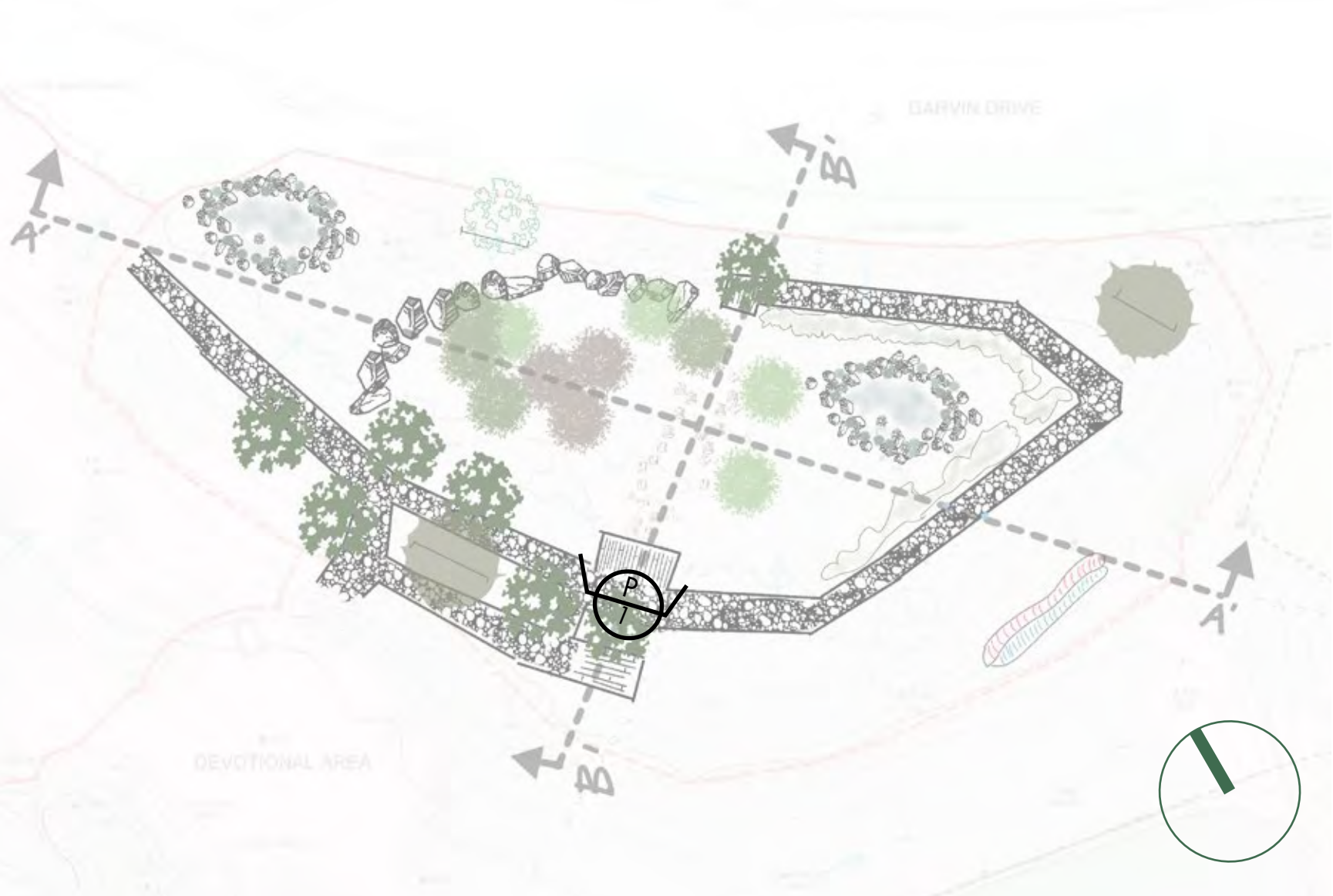


BOULDER PATH

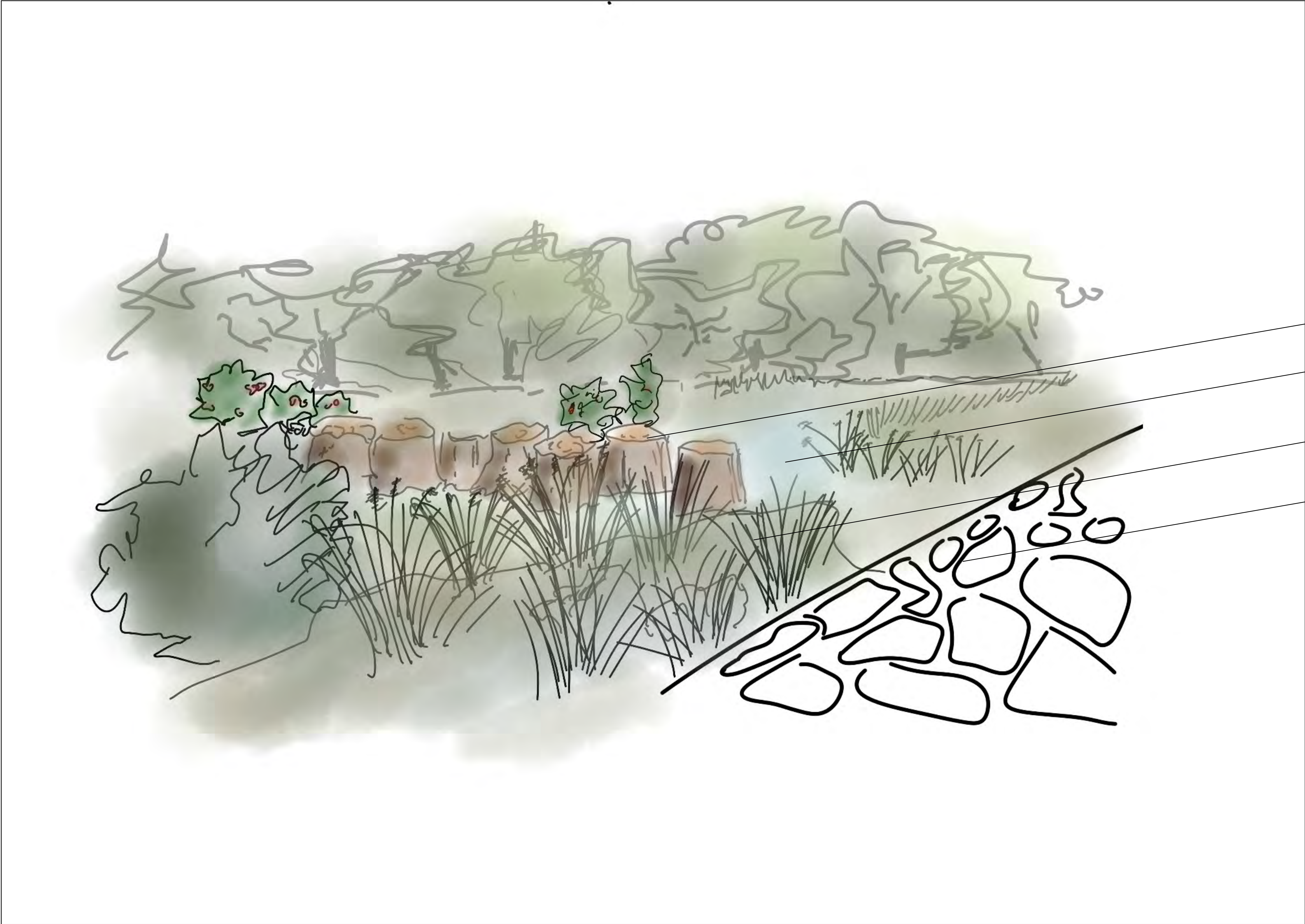
WOOD DECK VIEWING

WETLAND PLANTINGS

KEY MAP NTS

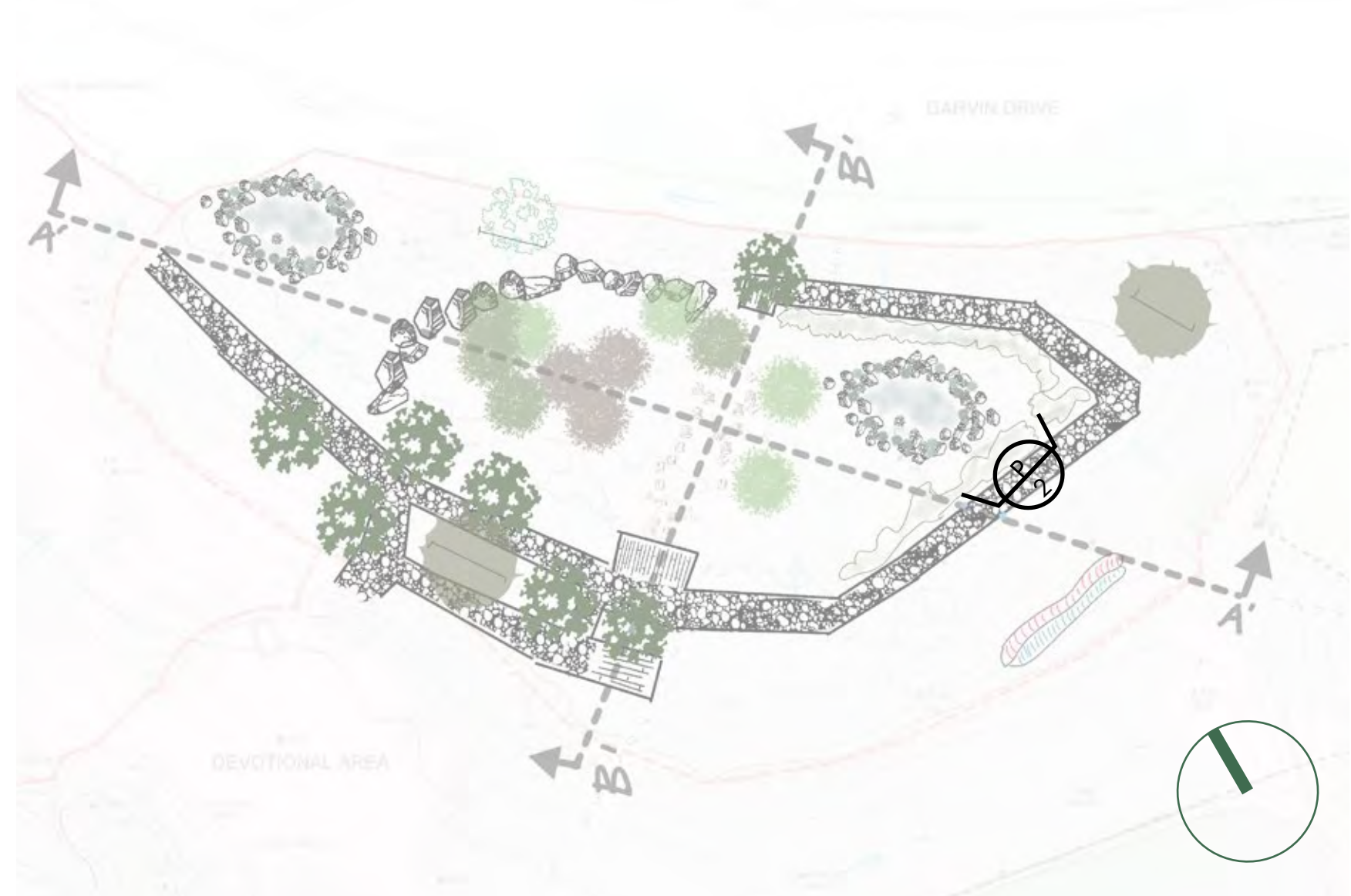


SKETCH 1: WETLAND RAIN GARDEN & TREE STUMP PATH



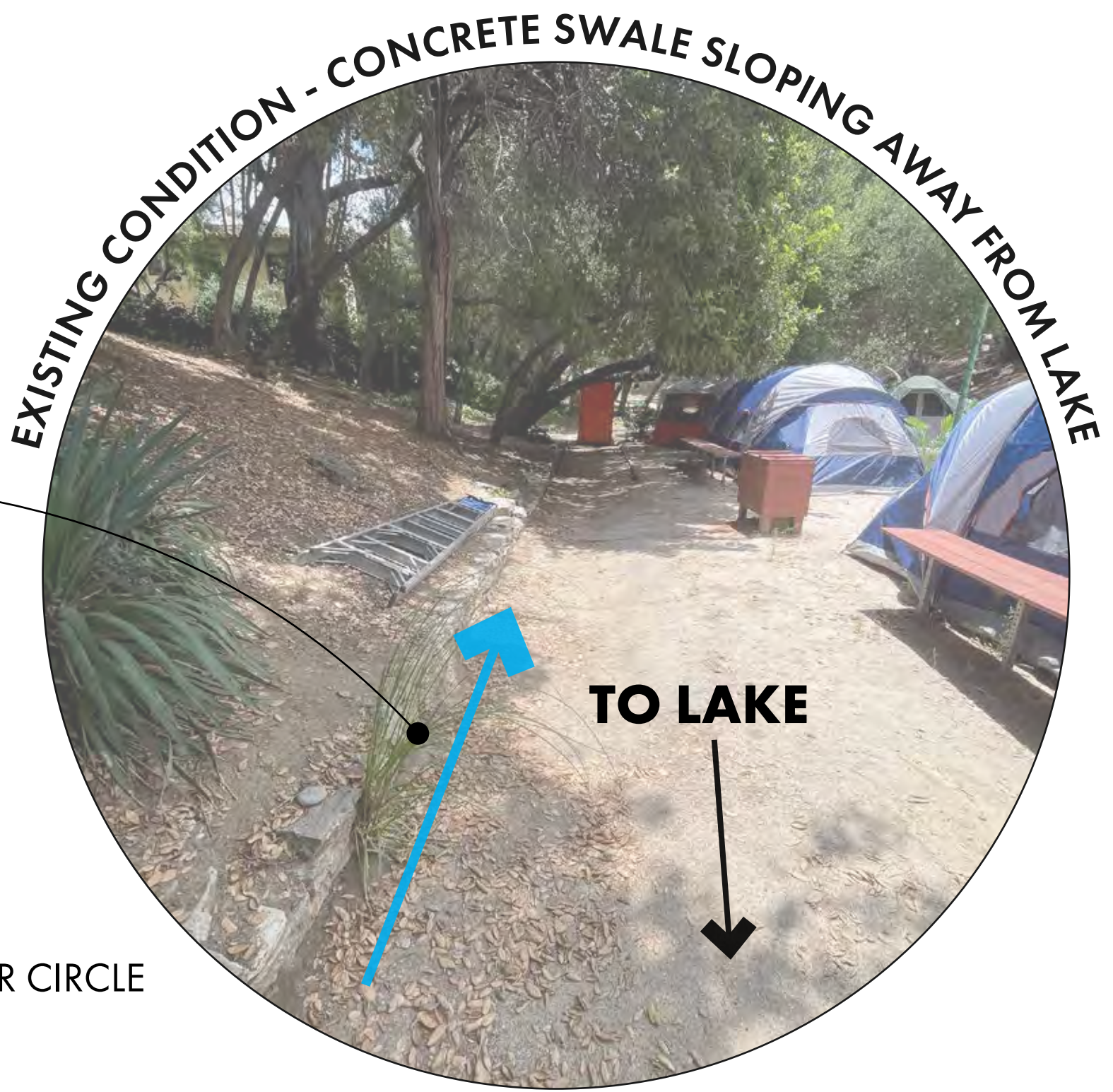
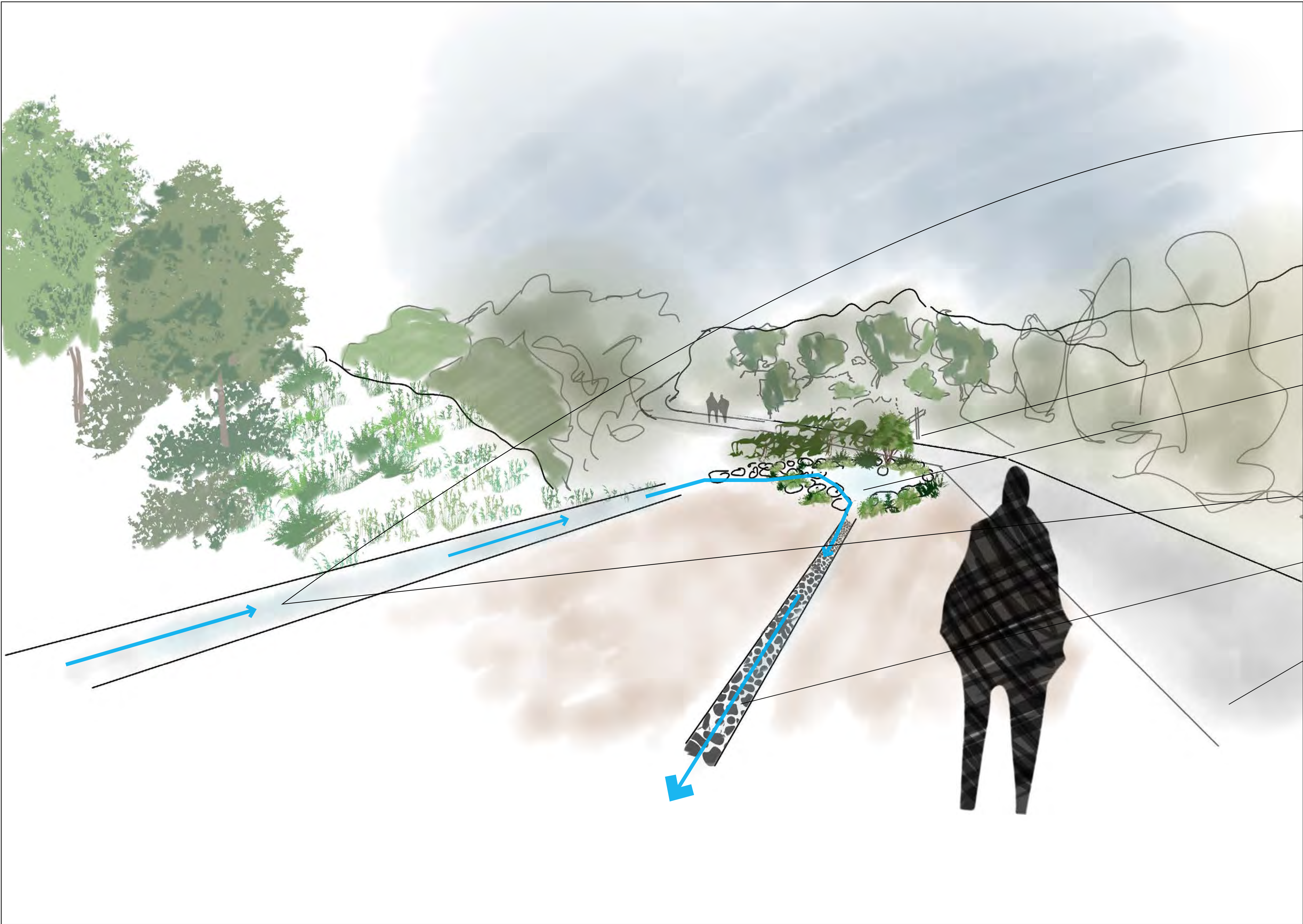
- KID-FRIENDLY TREE STUMP PATH
- RAIN GARDEN
- WETLAND PLANTING
- ACCESSIBLE PEDESTRIAN PATH

KEY MAP NTS



SECTION ELEVATIONS & PERSPECTIVES
VOLLEYBALL COURT

SKETCH 3: EXISTING SWALE TO RAIN GARDEN BACK TO LAKE



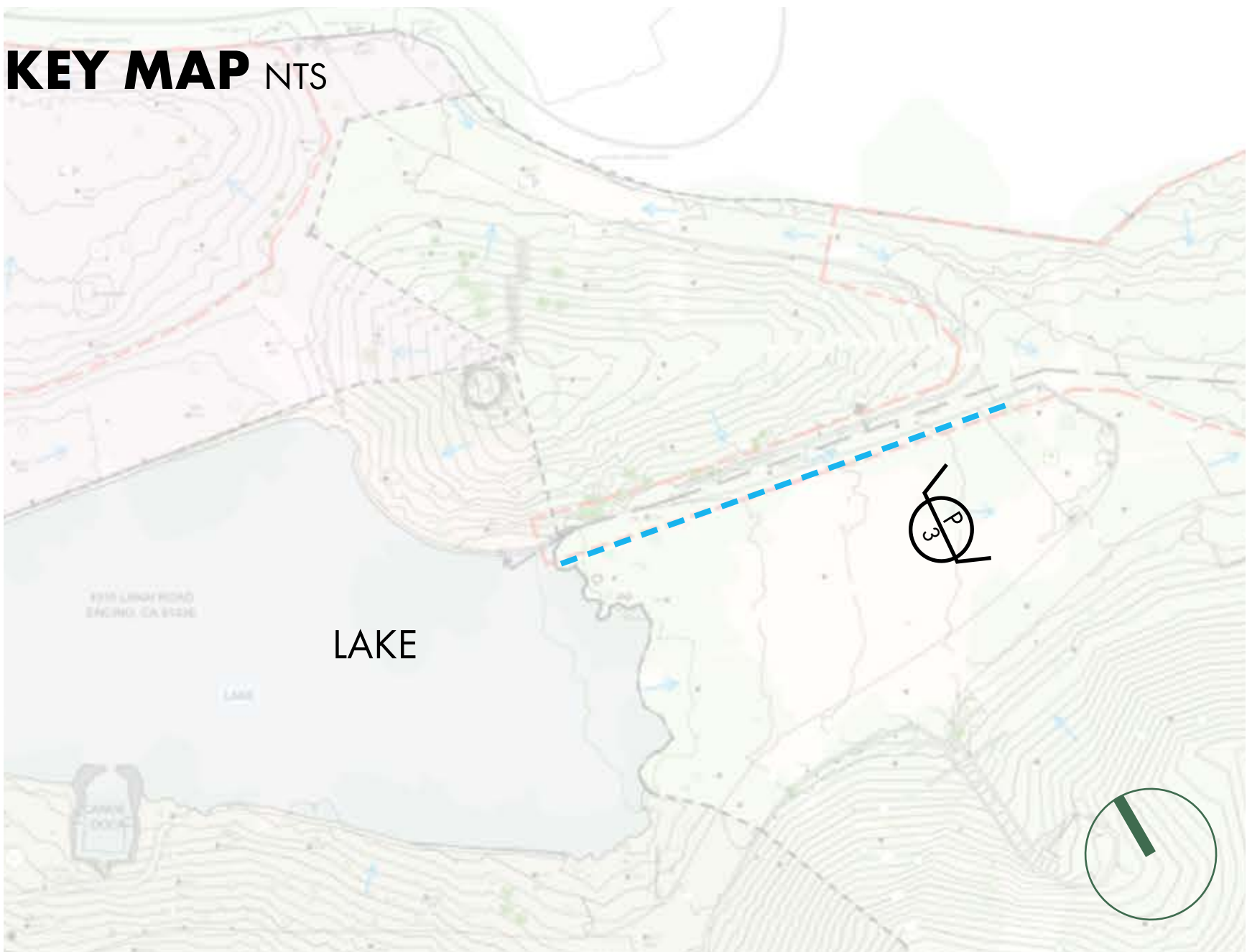
PRAYER CIRCLE

RAIN GARDEN

EXISTING CONCRETE SWALE DRAINING
WATER FROM LAKE TO RAIN GARDEN

ROCK FILLED TRENCH DRAIN TO LAKE

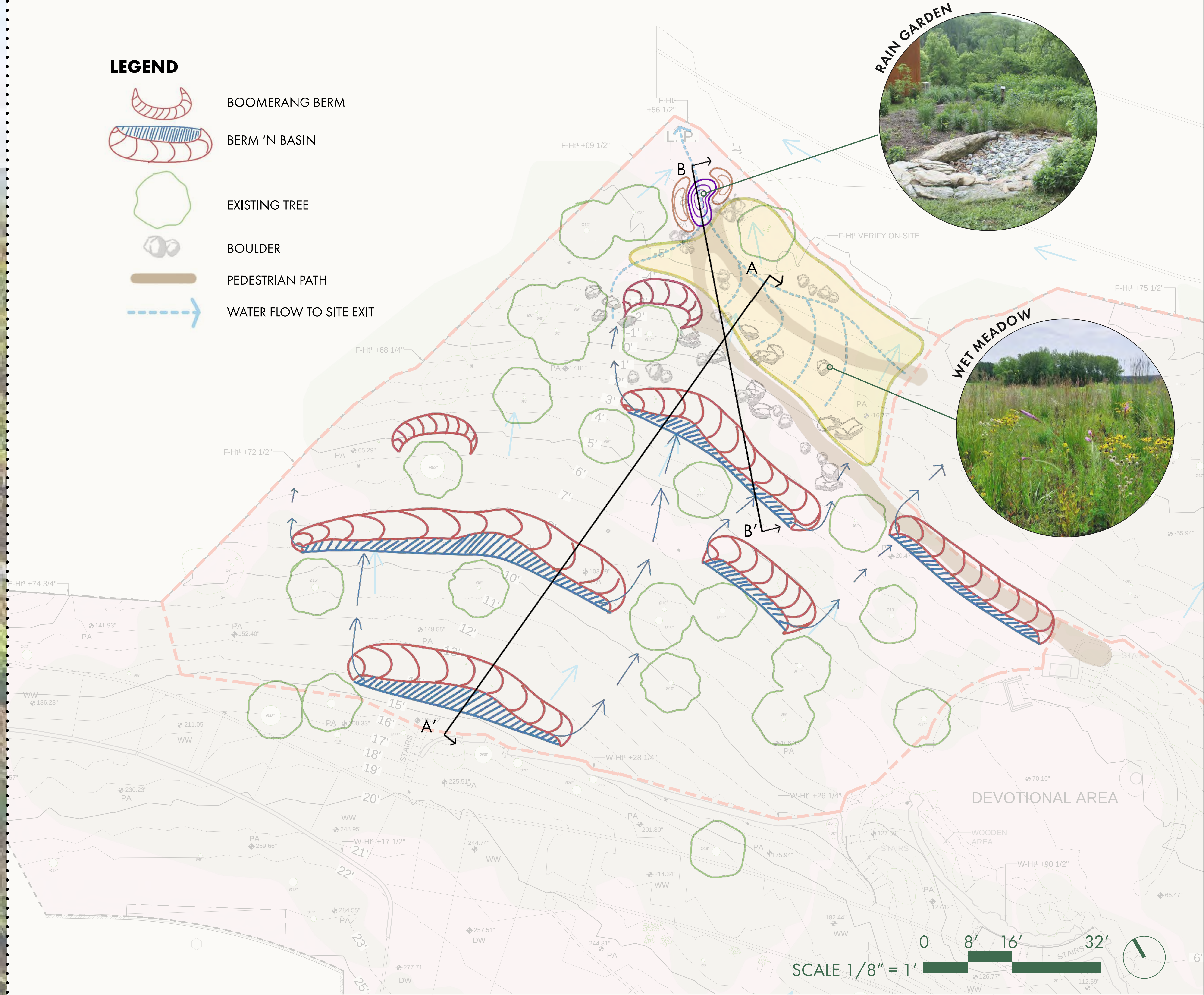
SERVICE ROAD



--- Existing swale where water is draining away from lake

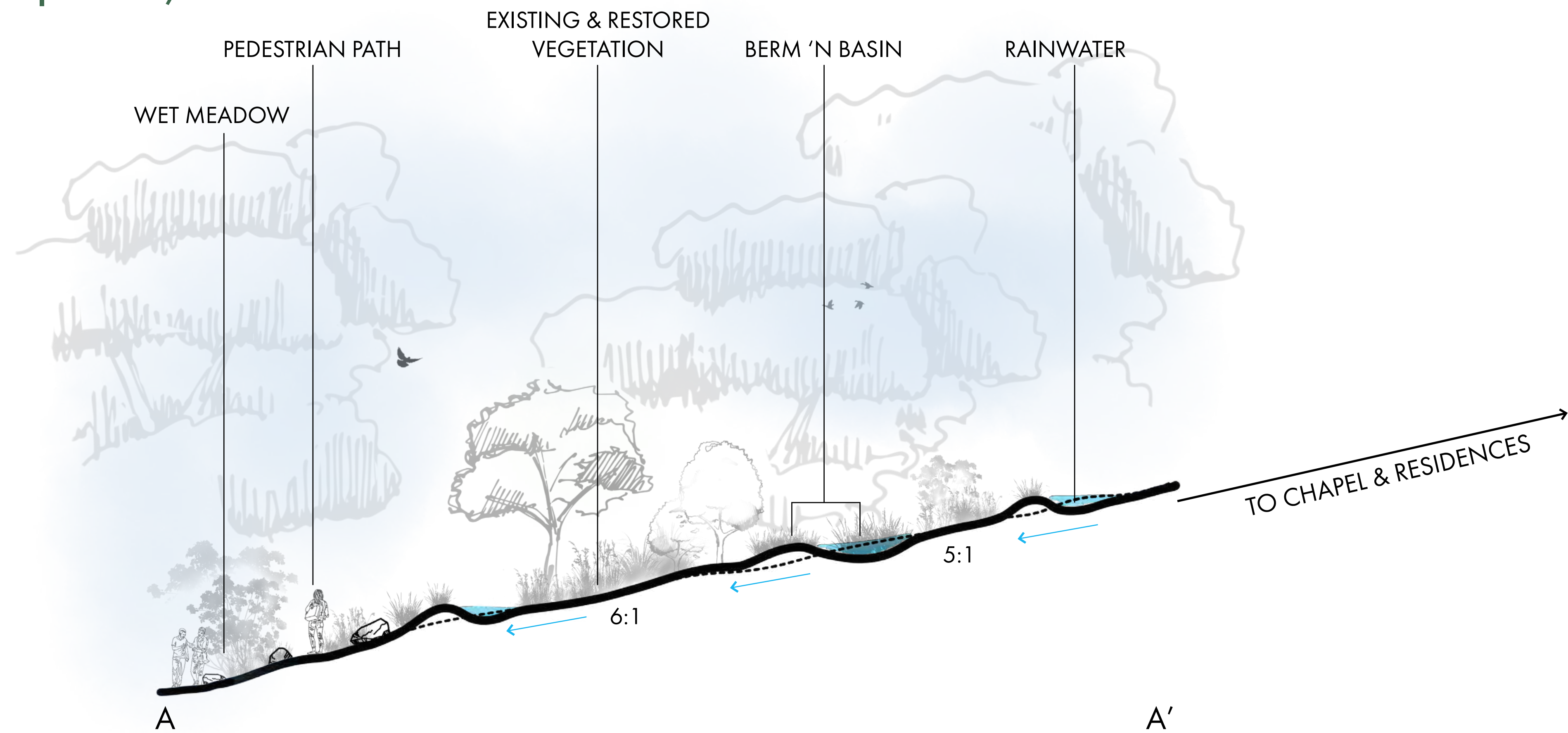
CONCEPTUAL PLAN
ZONE 3
OAK WOODLAND
UNDERSTORY
RESTORATION

- LEGEND**
- BOOMERANG BERM
 - BERM 'N BASIN
 - EXISTING TREE
 - BOULDER
 - PEDESTRIAN PATH
 - WATER FLOW TO SITE EXIT



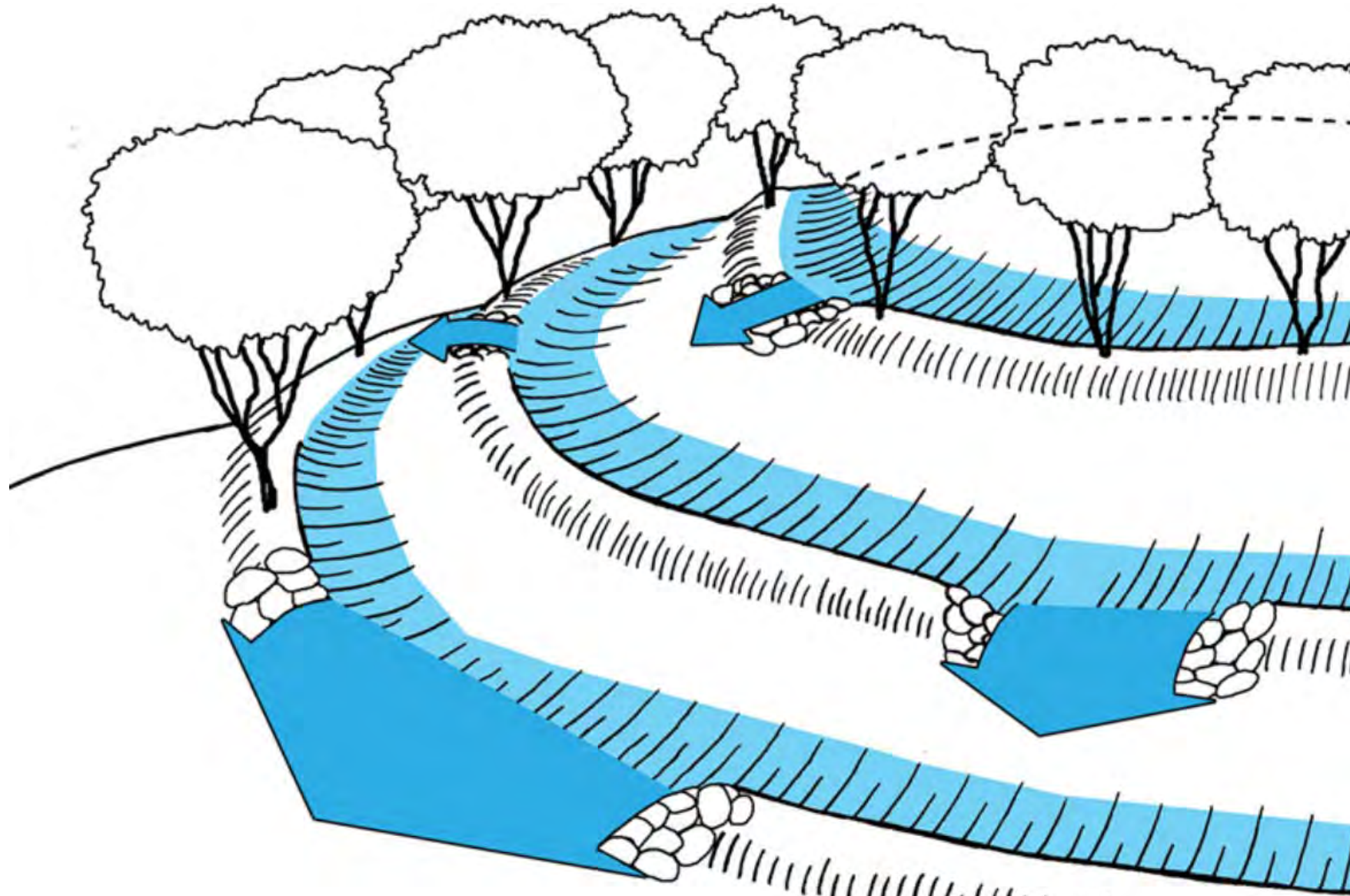
SECTION ELEVATIONS
OAK WOODLAND UNDERSTORY RESTORATION

SECTION A-A' | NORTH/SOUTH



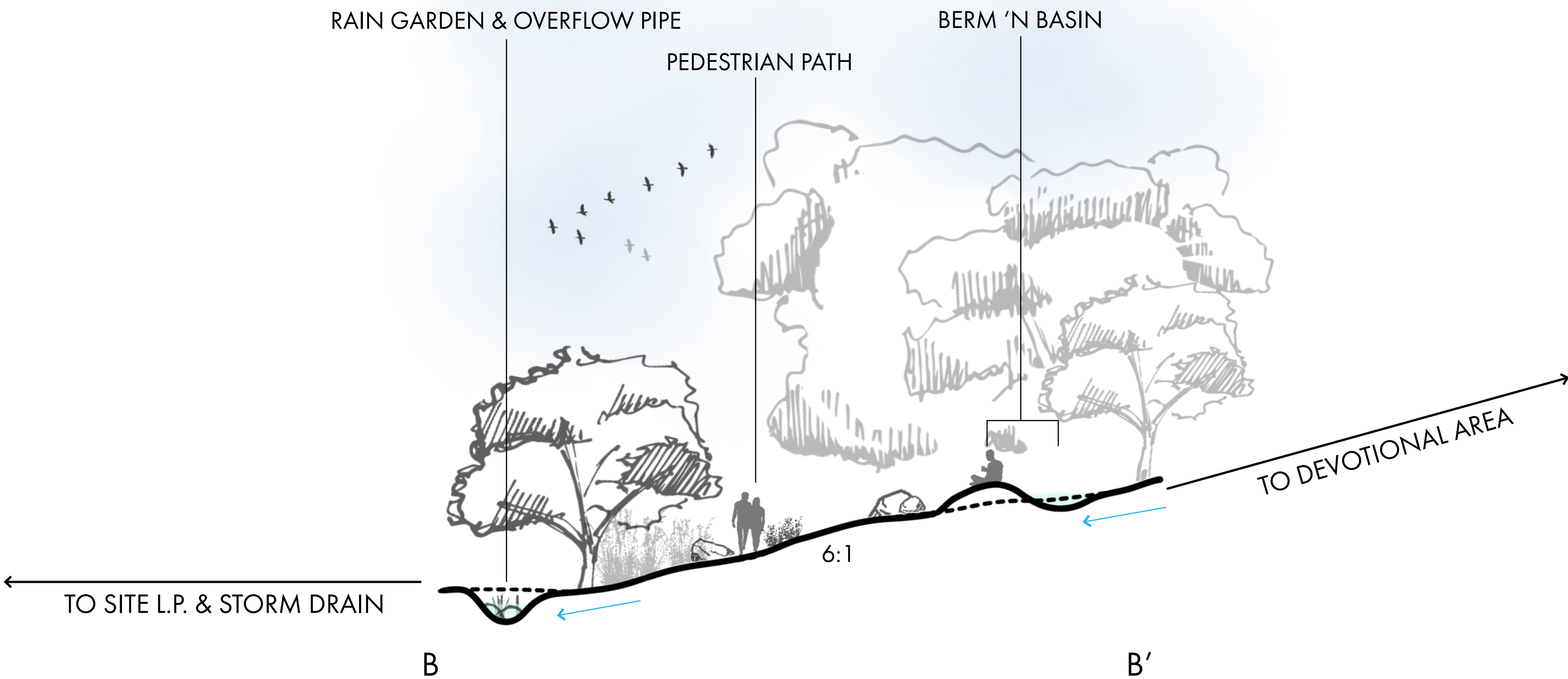
LEGEND

- EXISTING SLOPE
- ← WATER FLOW

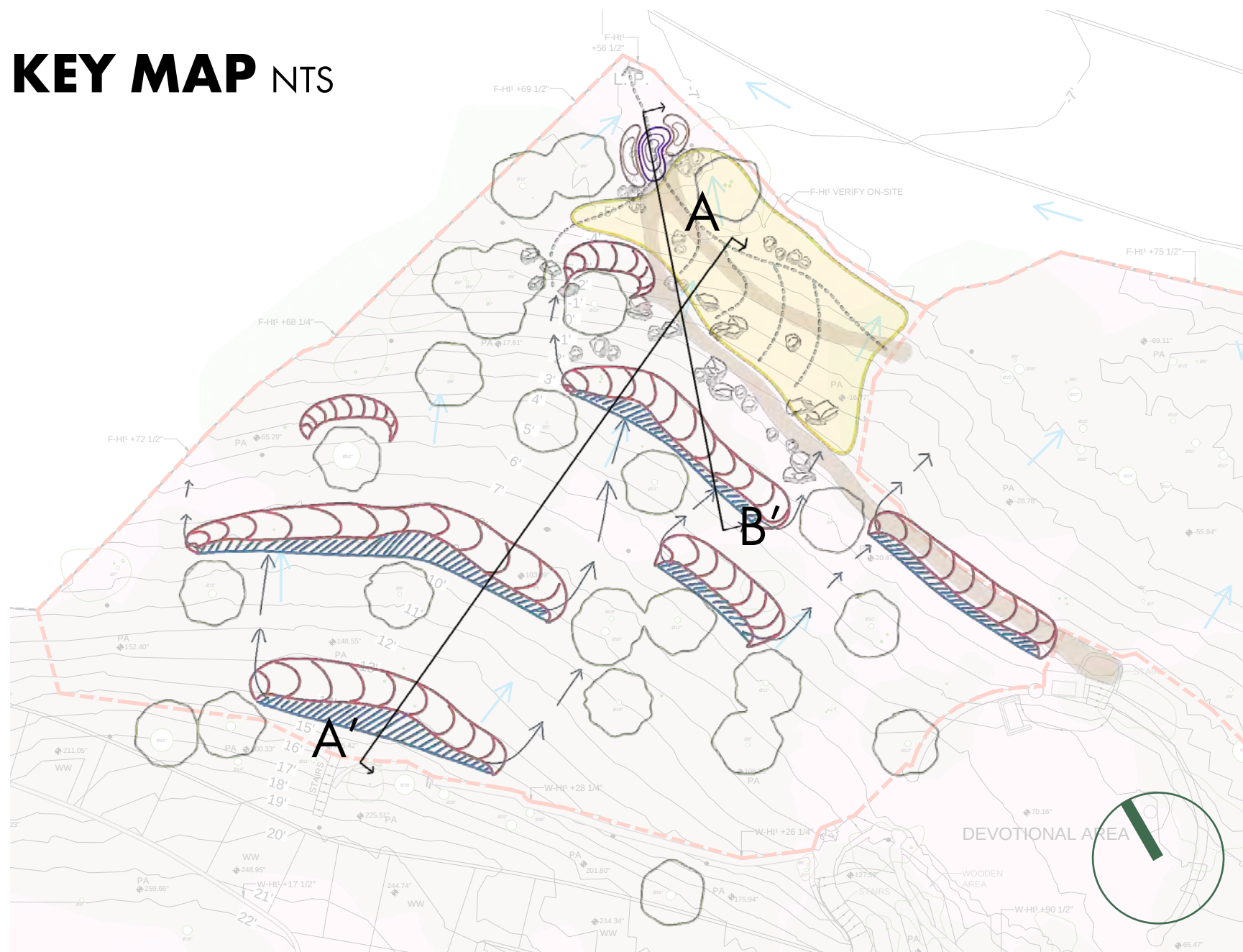


Multiple runoffs higher in the watershed with more berm and basins so no structure becomes inundated. Wider with higher capacity that spread rather than channelize.
From Brad Lancaster, "Rainwater Harvesting for Drylands and Beyond, Volume 2", 2nd Edition; Fig. 3.17

SECTION B-B' | EAST/WEST



KEY MAP NTS



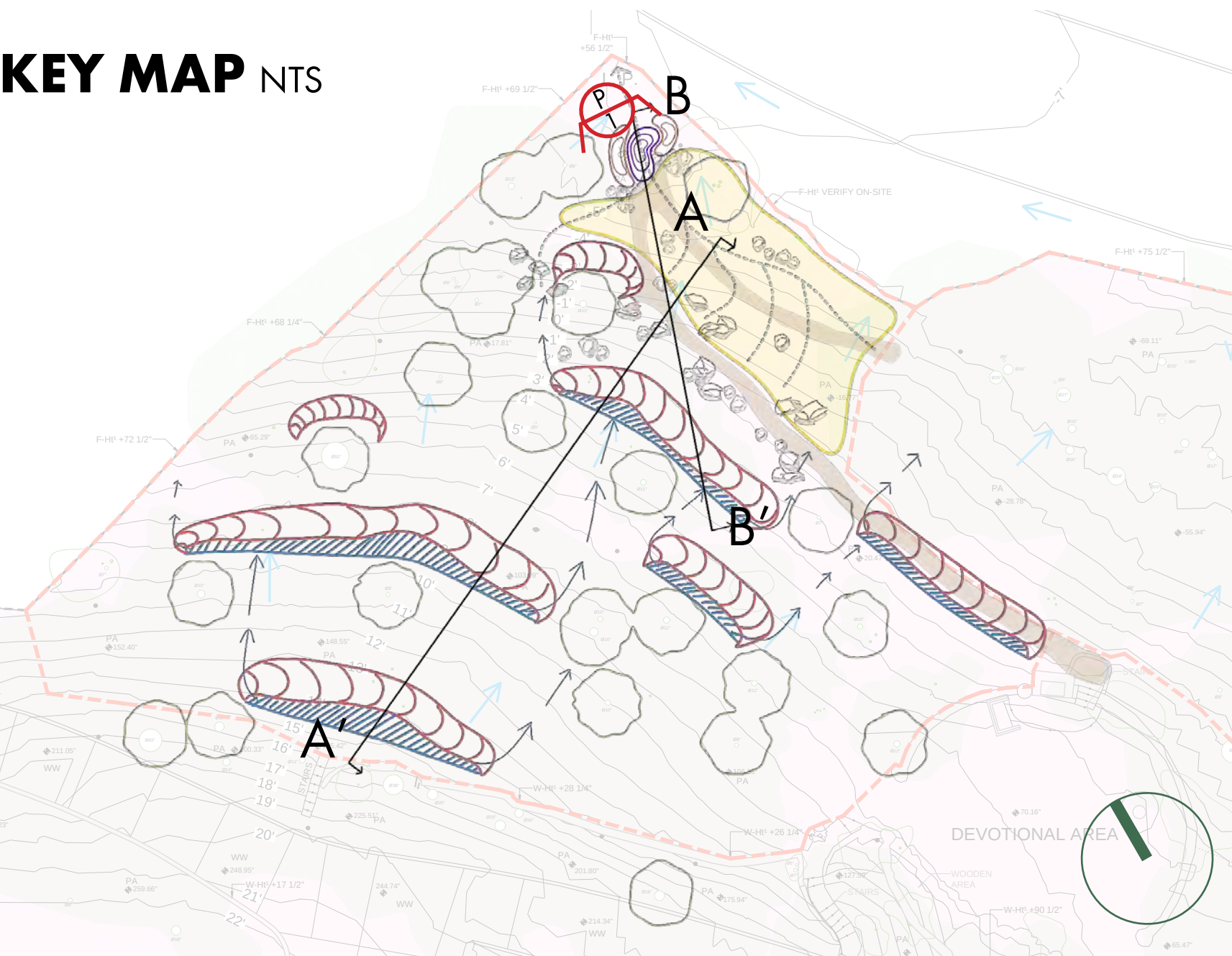
PERSPECTIVES

OAK WOODLAND UNDERSTORY RESTORATION

SKETCH 1 - RAIN GARDEN LOOKING EAST



- DEVOTIONAL AREA
- BERM
- RAIN GARDEN
- WET MEADOW



PERSPECTIVES

OAK WOODLAND UNDERSTORY RESTORATION

SKETCH 2 - DESCENDING BERMS

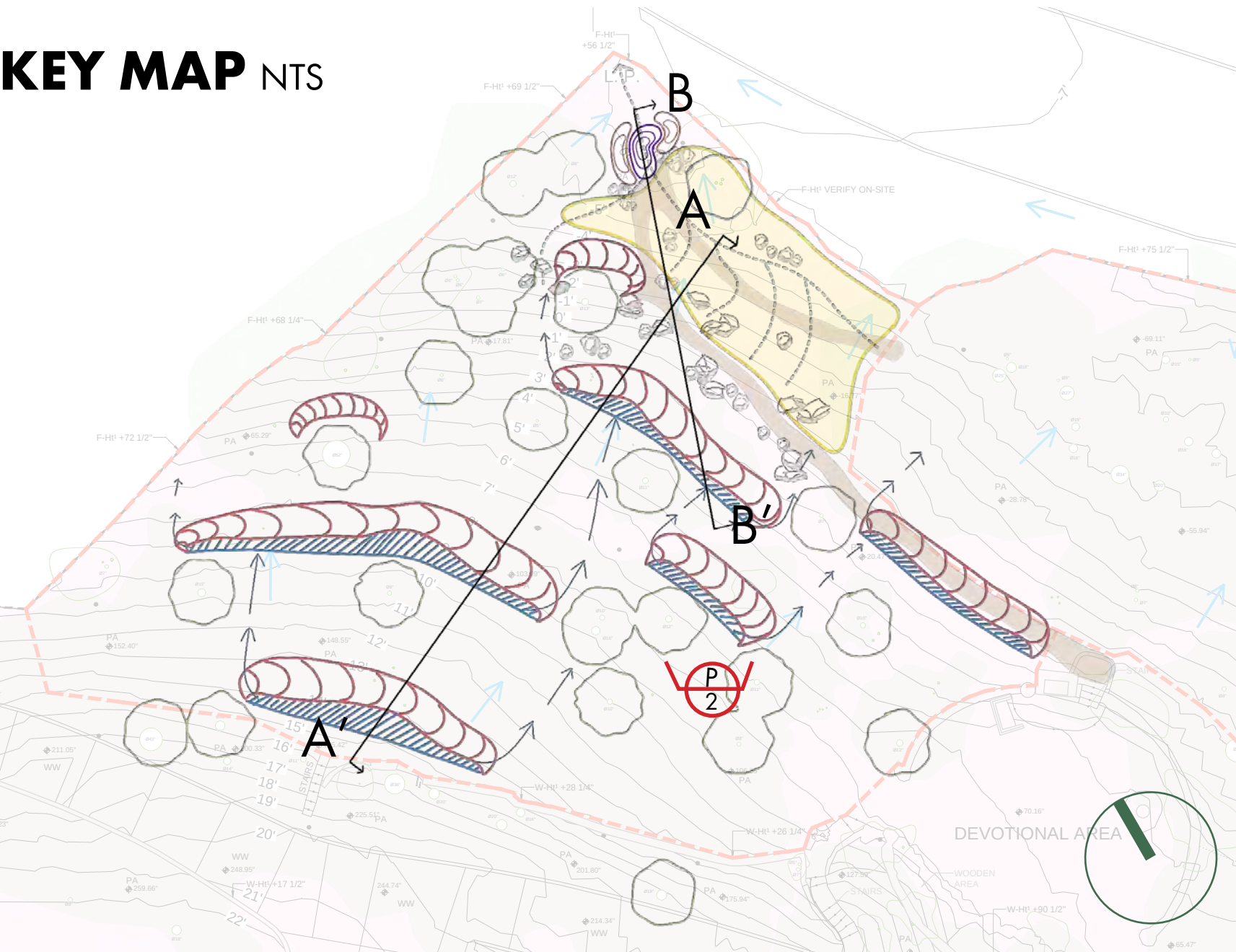


RAIN GARDEN

ACCESSIBLE PEDESTRIAN PATH

BERM 'N BASIN

KEY MAP NTS



PLANT PALETTE

ZONE 1

MEDITATIONAL & DEVOTIONAL RESTORATION



WESTERN
GOLDENROD
*Euthamia
occidentalis*



HUMMINGBIRD
SAGE
Salvia spathacea



WESTERN
COLUMBINE
*Aquilegia
formosa*



SANTA BARBARA
HONEYSUCKLE
*Lonicera subspicata
var. denudata*



PACIFIC MADRONE
Arbutus menziesii



CANYON LIVE OAK
*Quercus
chrysolepis*

ZONE 2

WETLAND



CALIFORNIA WILD
ROSE
Rosa californica



COMMON
THREESQUARE
*Schoenoplectus
pungens*



YERBA MANSA
*Anemopsis
californica*



ARROYO WILLOW
*Salix
lasiolepis*

ZONE 3

WET MEADOW & RAIN GARDEN



YELLOW EYED GRASS
*Sisyrinchium
californicum*



CREEPING WILD RYE
*Leymus
triticoides*



CALIFORNIA GRAY
RUSH
Juncus patens



BLUE ELDERBERRY
*Sambucus nigra
ssp. caerulea*

* NOTE: This species is currently existing in this zone.
Suggesting a few addiitonal plantings as it's an excellent
companion to oak trees in this zone.