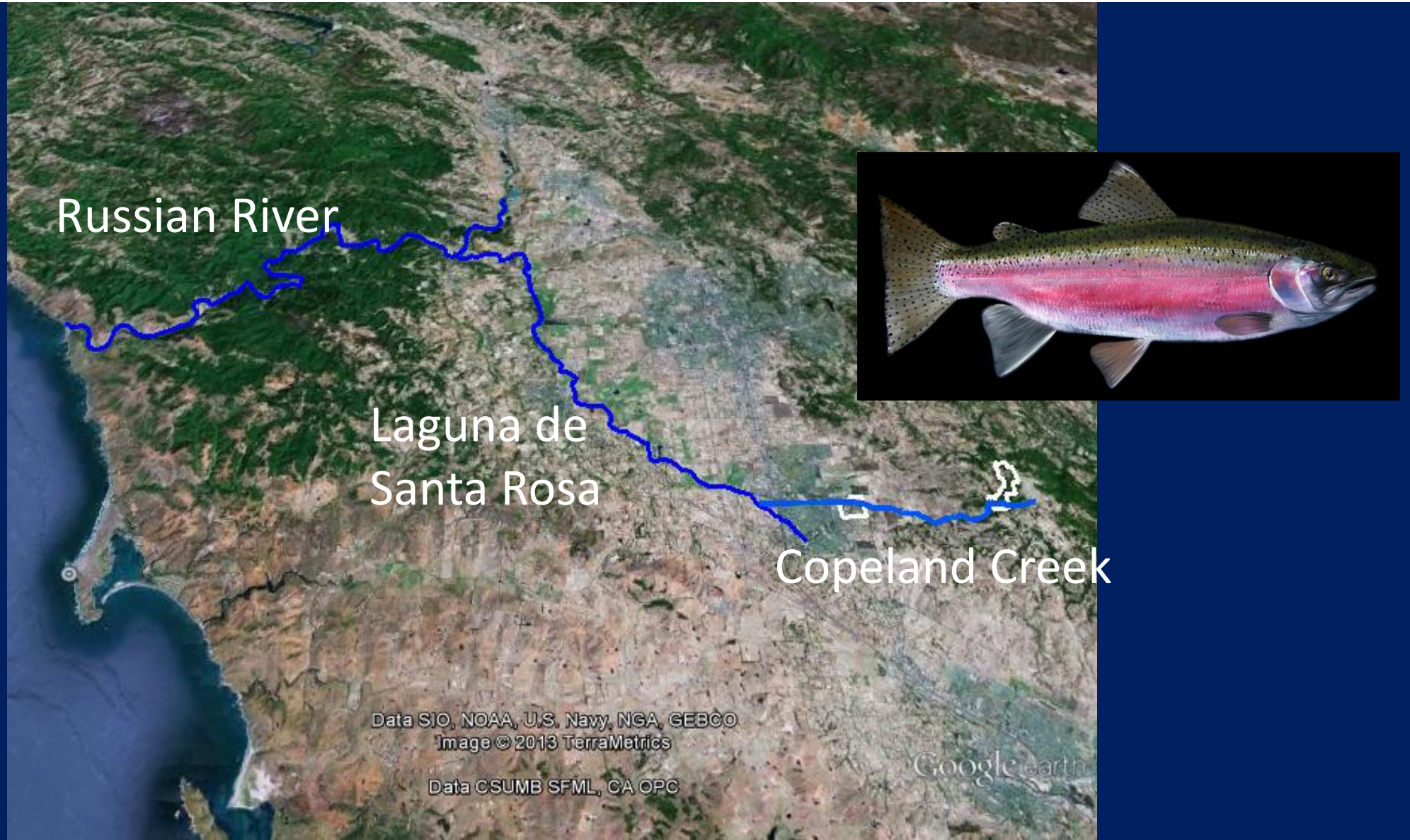
SONOMA STATE UNIVERSITY

CENTER FOR ENVIRONMENTAL INQUIRY

Copeland Creek Corridor

Claudia Luke, Director

Copeland Creek



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Copeland Creek

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COPELAND CREEK MASTER PLAN

SONOMA STATE UNIVERSITY

Prepared for the Campus Reengineering Committee, chaired by Vice President of Administration and Finance and Chief Financial Officer, and the Campus Planning Committee, chaired by President Ruben Armiñana.

2001

Prepared by
Quadriga Landscape Architecture and Planning, Inc.

In consultation with

COPELAND CREEK ADVISORY COMMITTEE

Deborah Gannon DuVall (Chair) ..... SSU Director of Facilities Planning
Bruce Walker..... SSU Capital Planning, Design & Constr
Nate Johnson ..... SSU Chief of Police Services
Craig Dawson ..... SSU Director, EH&S
Phil Northen ..... SSU Professor, Biology
Tom Jacobson..... SSU Associate Professor, ENSP
David Stokes ..... SSU Assistant Professor, ENSP
Karen Tillinghast ..... SSU Lead Gardener, Landscape Services
Vicki Pannell ..... SSU Work Control System Administrator
Kara Heckert ..... SSU Student
Brian Turner ..... SSU Student
Steve Hernandez..... SSU Student
Bill Cox, (ex officio)..... California Dept. of Fish and Game
Andrew Jensen, (ex officio) ..... North Coast Regional Water Quality
Bill Mastick..... Quadriga Landscape Architecture
Jane Marx ..... Quadriga Landscape Architecture

GOALS: CREEK & WATERSHED PROTECTION

routine maintenance, management, admin, development

GOAL 1: Maintain and protect the native biodiversity, ecological processes, and conditions of Copeland Creek and its associated in-stream, riparian, transitional, and upland habitats.

GOAL 2: Restore native species, biotic communities, ecological processes, and conditions in Copeland Creek and its associated in-stream, riparian, transitional, and upland habitats.

GOAL 3: Increase community awareness and appreciation of Copeland Creek and its associated habitats as an important campus amenity by providing opportunities for public access, recreation, and education, in forms not inconsistent with Goals 1 and 2.

GOAL 4: Increase knowledge and understanding of native biodiversity, ecological processes, ecological restoration, and human impacts in and around riparian ecosystems in general, and Copeland Creek in particular, through research and educational activities undertaken by Sonoma State University faculty and students, provided these activities are not inconsistent with Goals 1 and 2.

GOAL 5: Maintain and **improve hydraulic function** of Copeland Creek in a manner that combines flood control requirements with ecological restoration and water quality considerations.

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Master Plan Boundaries

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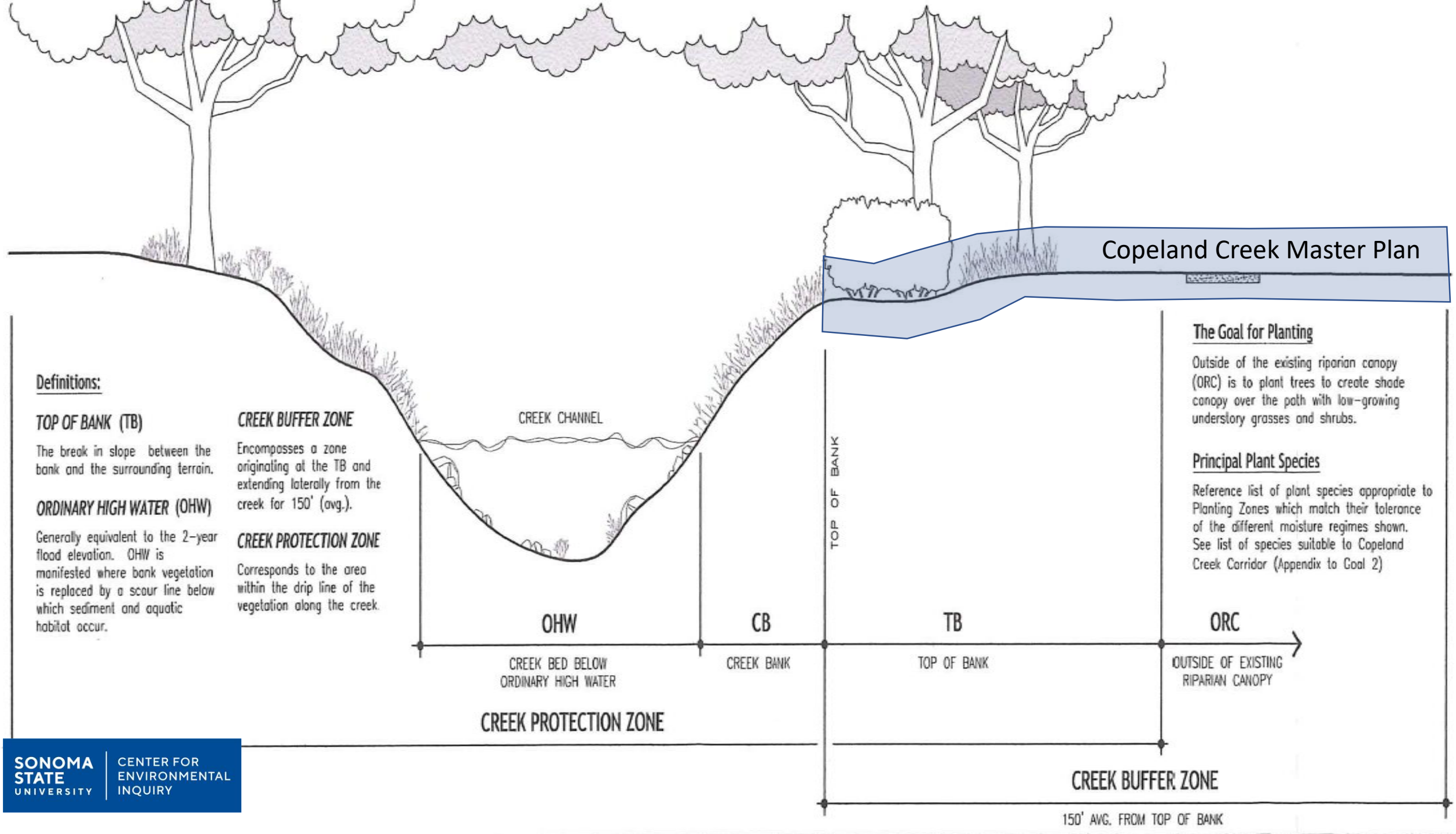

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Restoration & Study

- **2000-2013**: Friends of Copeland Creek (Julie Bright) undertake invasive species and trail work
- **2003-2015**: Sonoma Water contract with ENSP/GEP for plant propagation class and invasive species research
- **2012-2022**: Sonoma Water contract with CEI to engage faculty and students in study and restoration: water quality, hydrology, biodiversity, etc.
- **2016-2022**: Copeland Creek Restoration becomes central to GEP's Restoration ss (Wendy St. John).

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Restoration & Study

- **Sonoma Water Contract**
- Restoration Plan
- Annual Reporting

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Copeland Creek Restoration Plan
Sonoma State University Campus

Prepared by:
Center for Environmental Inquiry

Prepared for:
Sonoma Water in fulfillment of contract #1920-062

June 2021

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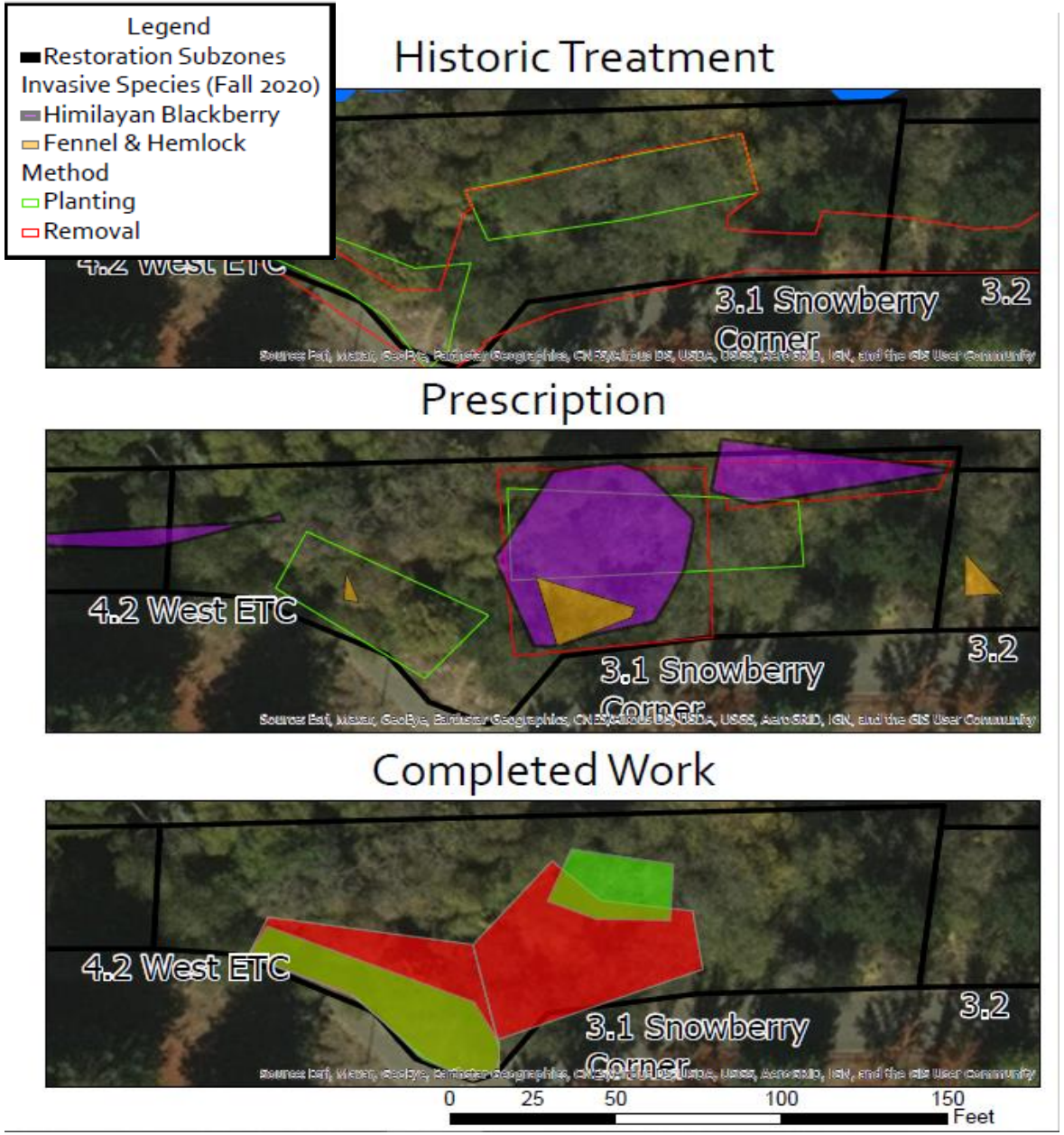
Restoration & Study

- **Complies with Copeland Creek Master Plan**
- Purpose: documents invasive species, treatment areas, work performed, survivorship of plants



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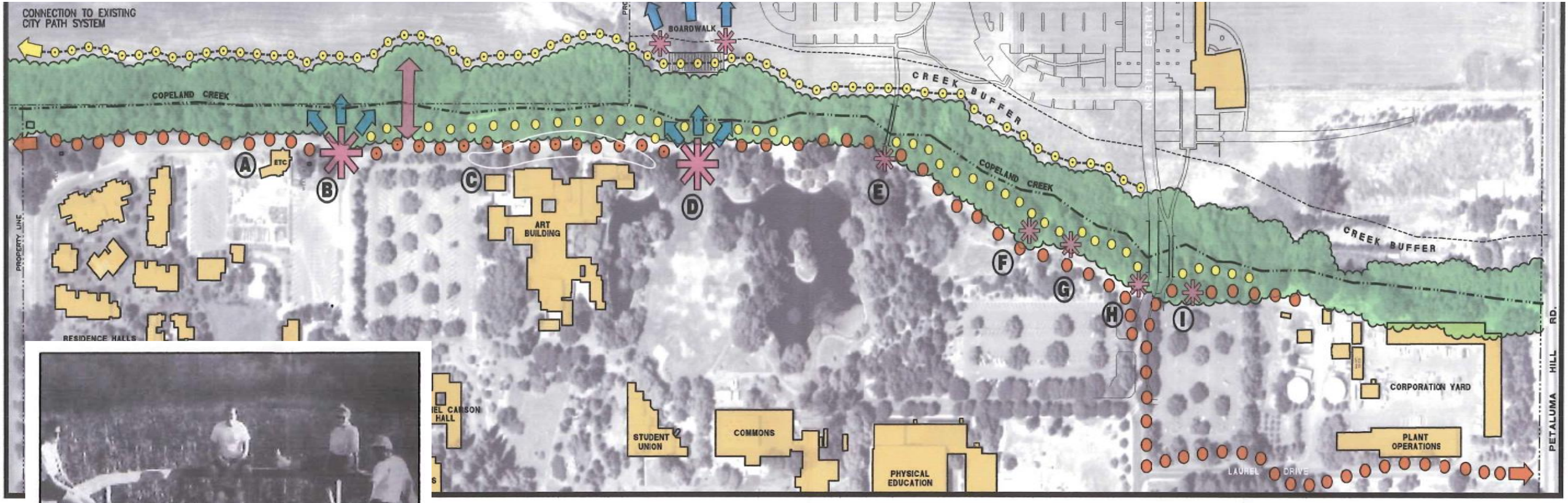
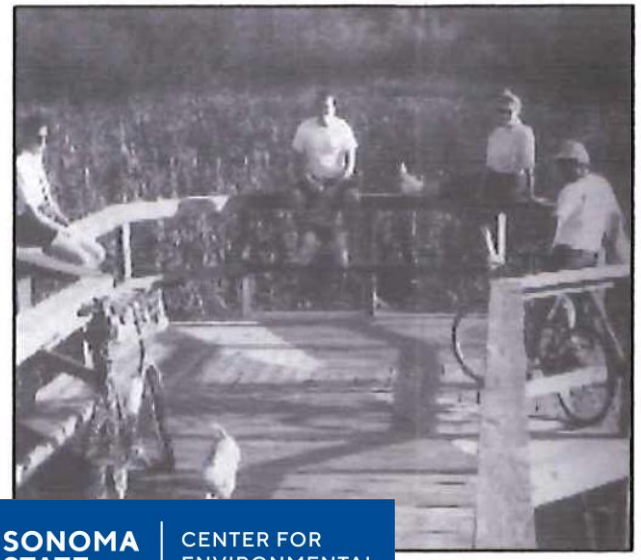
Proposed Access





FUTURE PEDESTRIAN BRIDGE

ACTIVITY AREA/ TRAIL ACCESS

CREEK VIEWS

EXISTING 8'+ GRAVEL/HARD PATH PROPOSED TO BE 8'–12' Road Cyl SURFACE

EXISTING 2'–3' SOFT PATH TO REMAIN (no bicycles)

EXISTING 20' AC BIKE/PED./ EMERGENCY ACCESS TO BE 20' MEANDERING Road Cyl SURFACE

FUTURE 6'–8' GRAVEL, DECOMPOSED ROCK OR Road Cyl PATH

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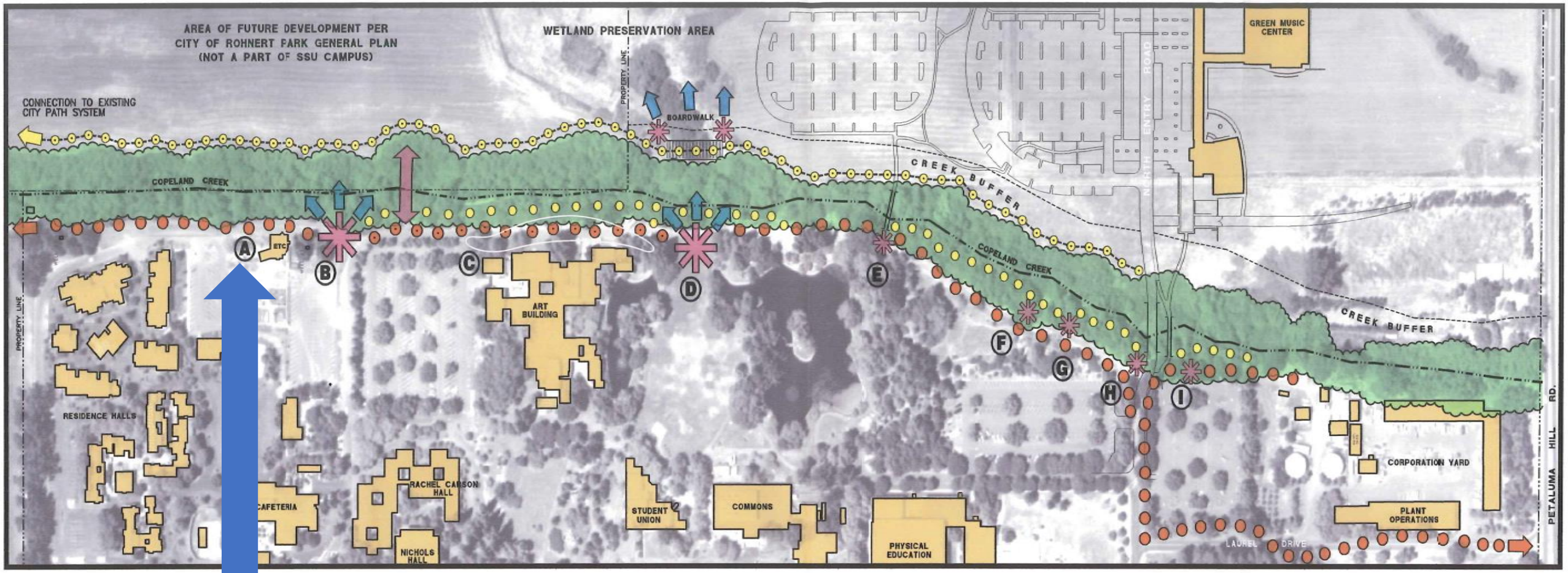

A

Revegetate Environmental Technology Center

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(A) REVEGETATE AROUND 'ETC' BLDG

EXISTING AREA ADJACENT
TO 'ETC' BLDG

ALONG UPPER TRAIL:
BRING PLANTING UP TO EDGES OF UPPER PATH. PLANTING SHALL INCLUDE TREES FOR SHADE CANOPY, WITH HIGH BRANCHING STRUCTURE FOR SECURITY/VISIBILITY

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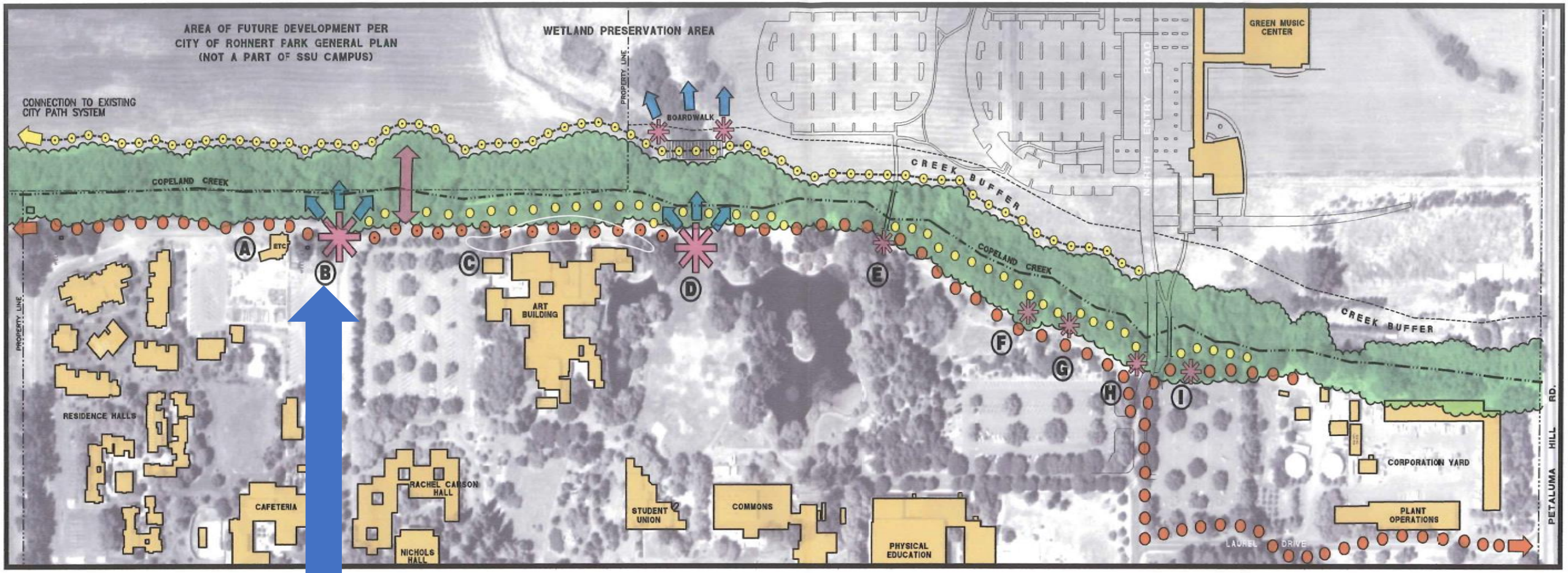

B

Outdoor Classroom

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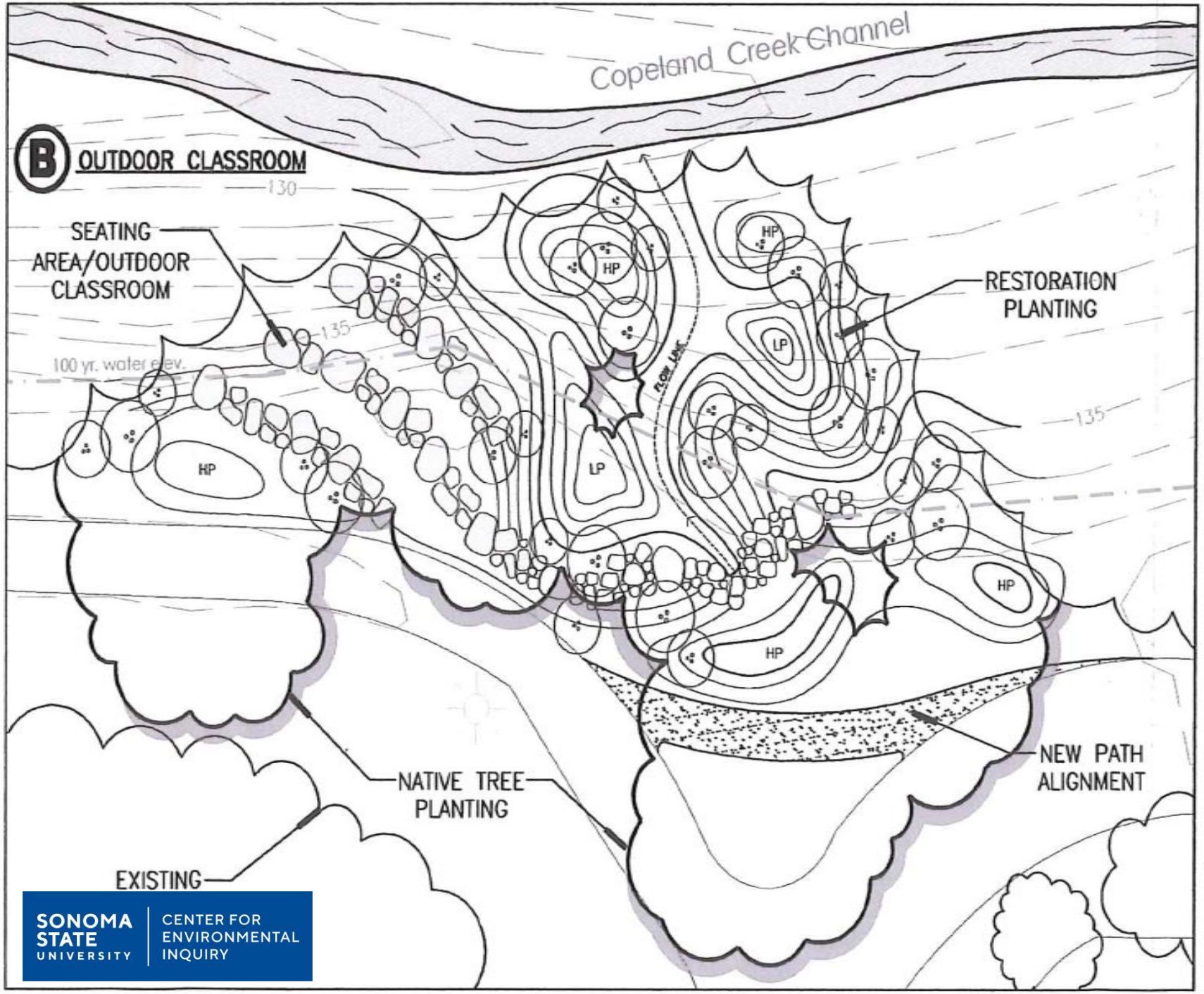
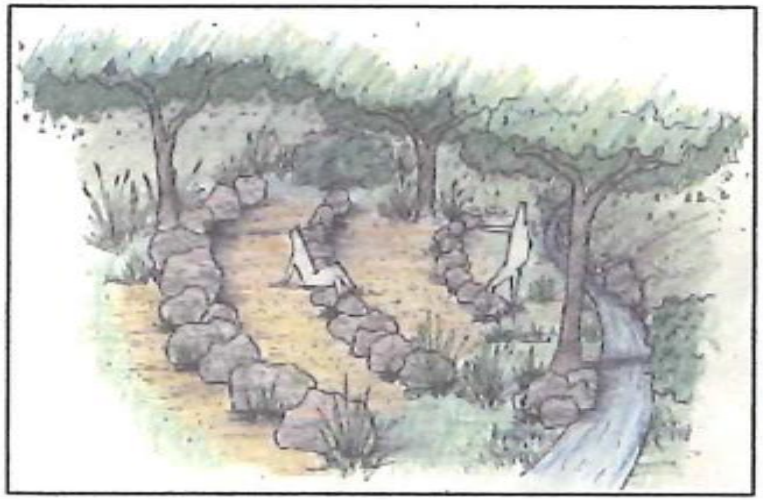


EXISTING CREEK PATH



OUTDOOR CLASSROOM SHALL CONSIST OF ROCK TERRACES FOR SEATING IN A SMALL SCALE, NATURAL APPEARING AMPHITHEATER

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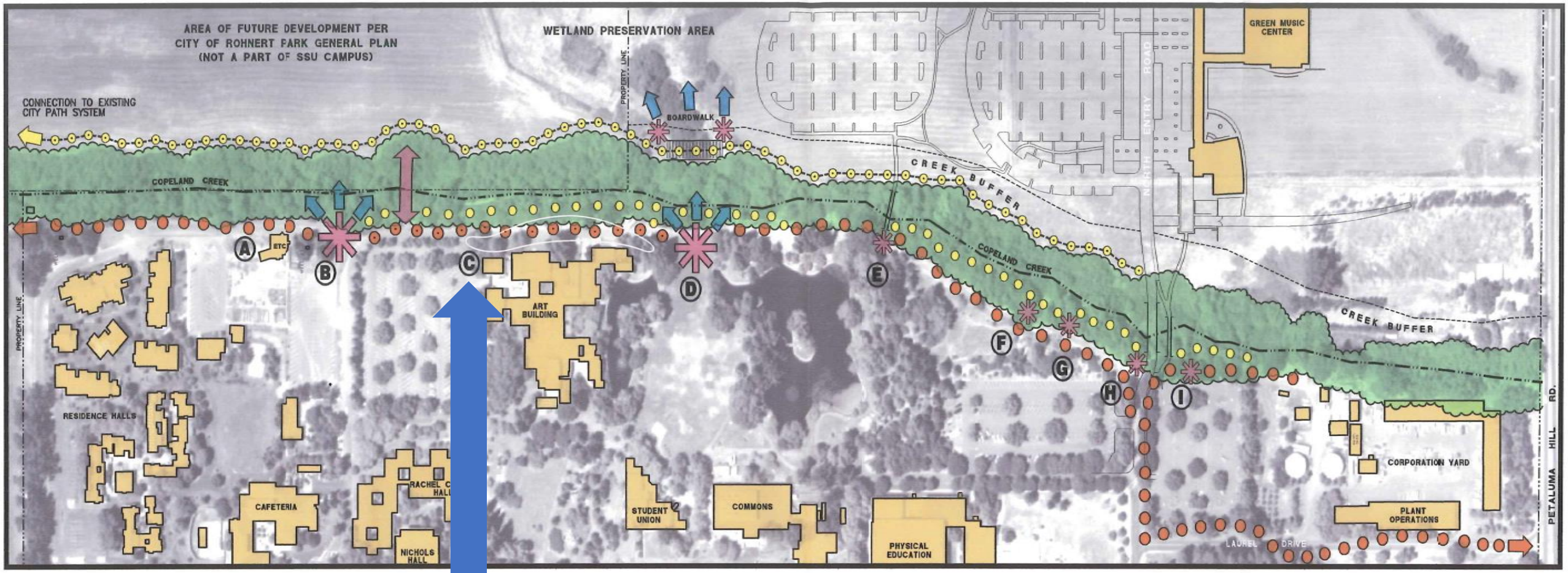

C

Sculpture Garden

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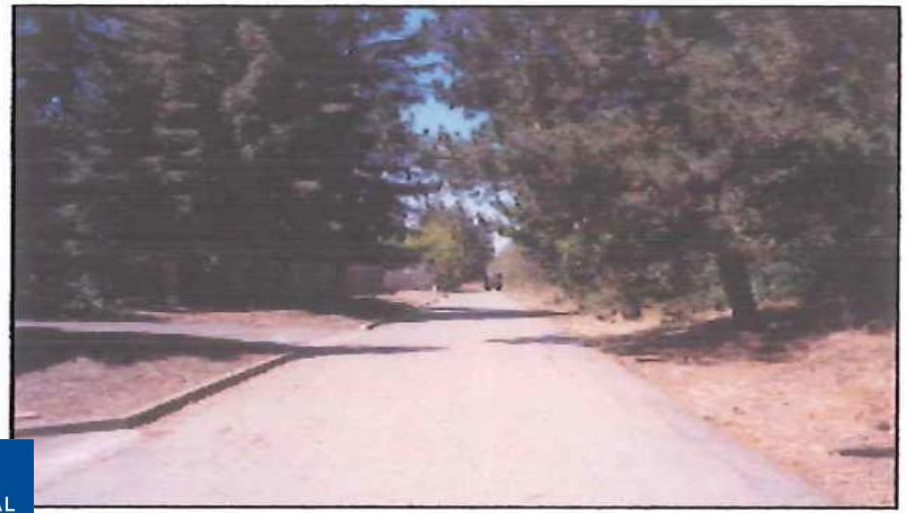
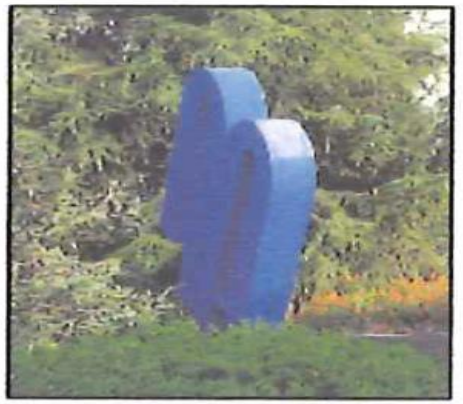
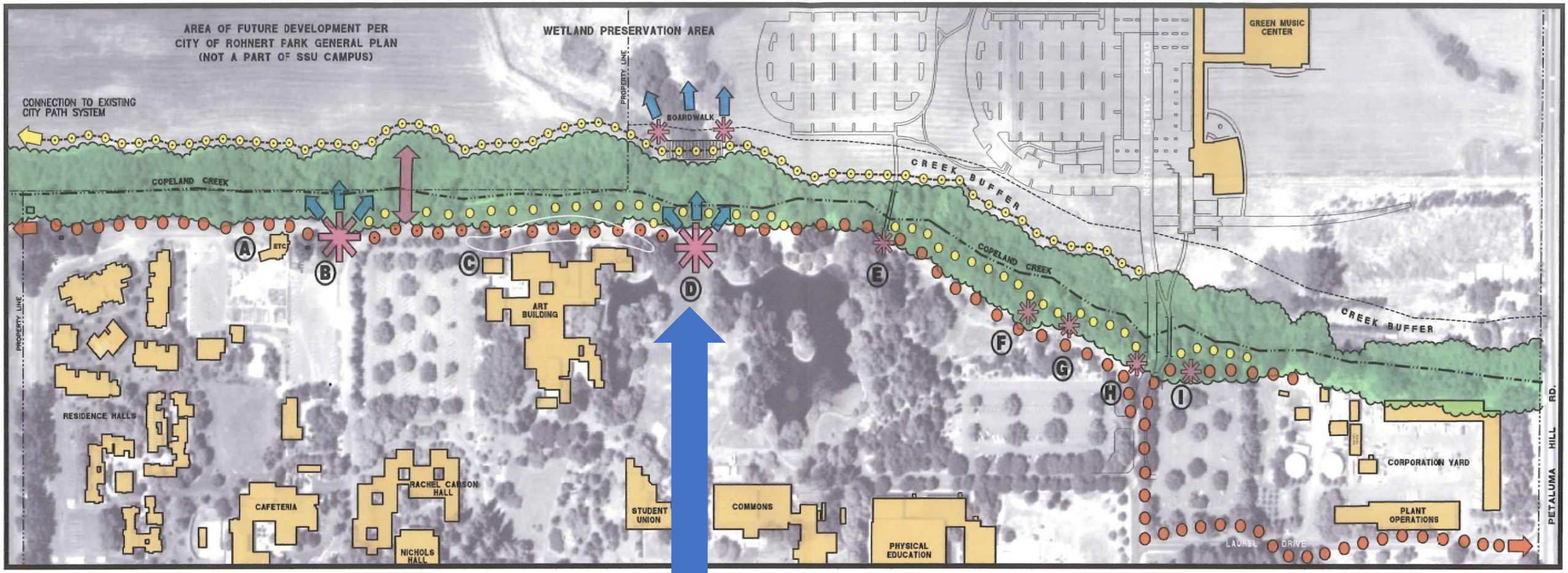
SCULPTURE GARDEN AT ART BLDG

EXISTING EMERGENCY ACCESS ROAD/PED/BIKE PATH BETWEEN ART BLDG AND CREEK





PROPOSED: MEANDER 20' ACCESS ROAD, PAVED WITH 'Road Oyl' AND MEANDER THROUGH A SCULPTURE GARDEN. CREATE ACCESS FROM ART BLDG. DIRECTLY TO SCULPTURE GARDEN AND ROAD.



D

Creek Overlook

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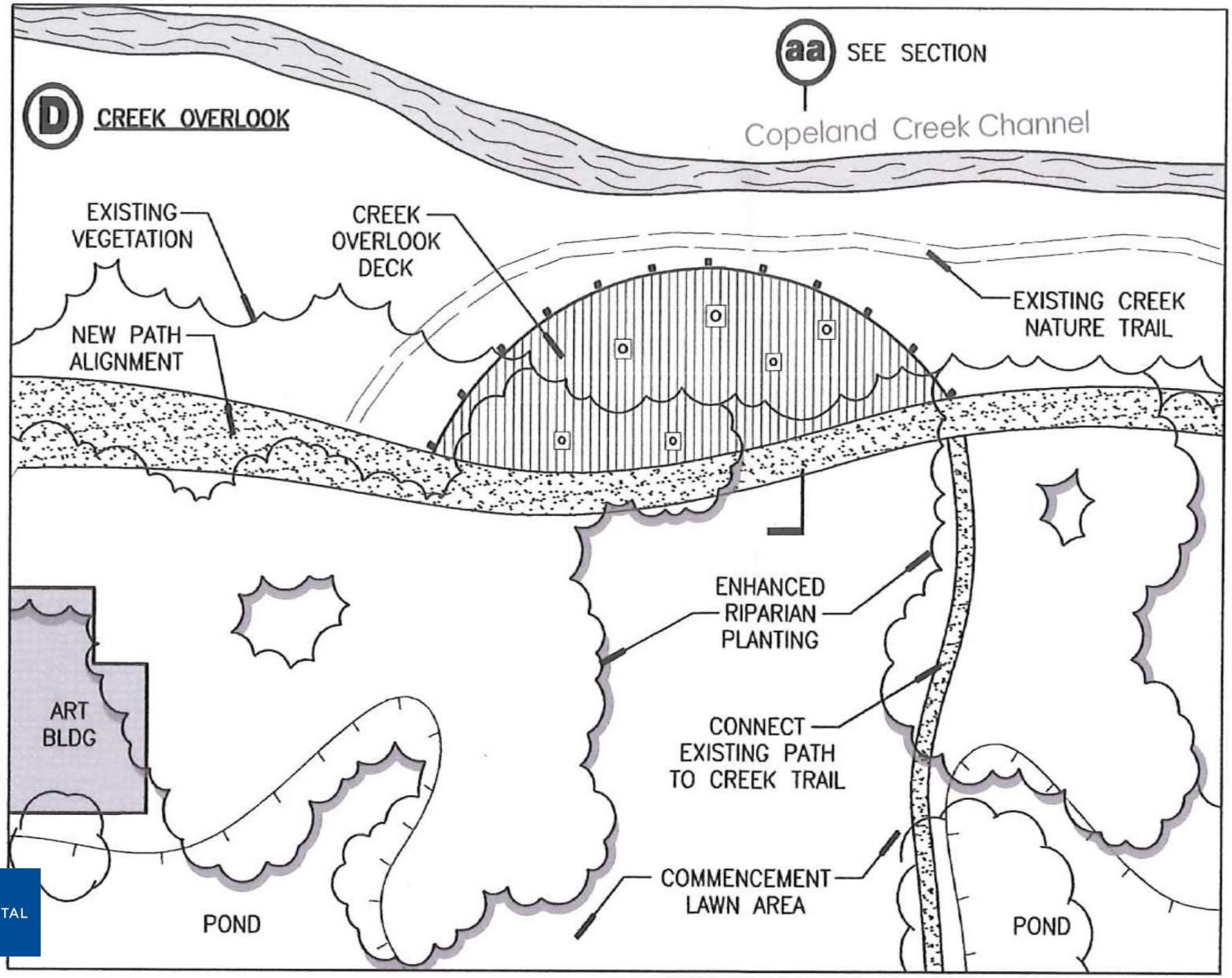

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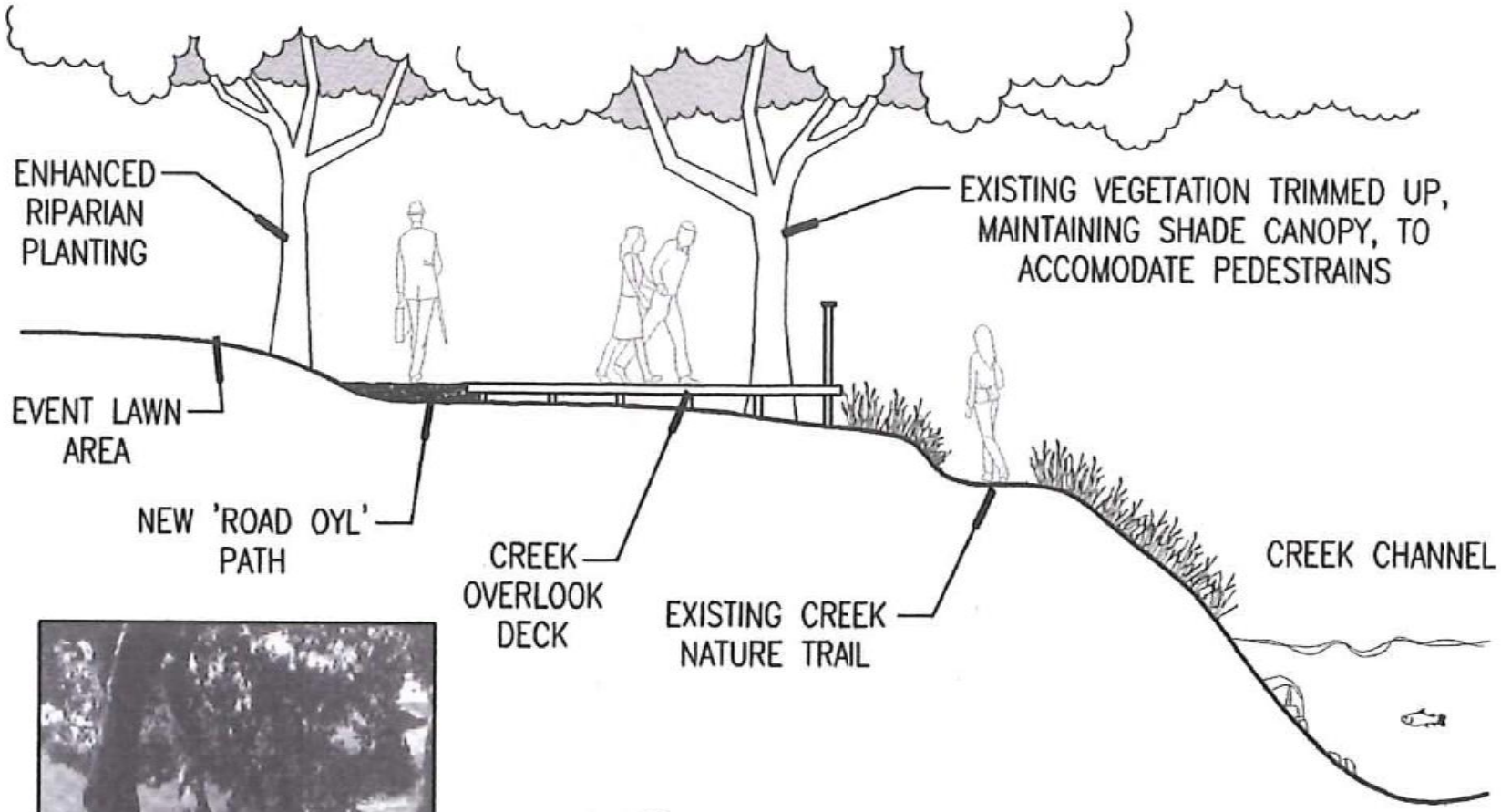
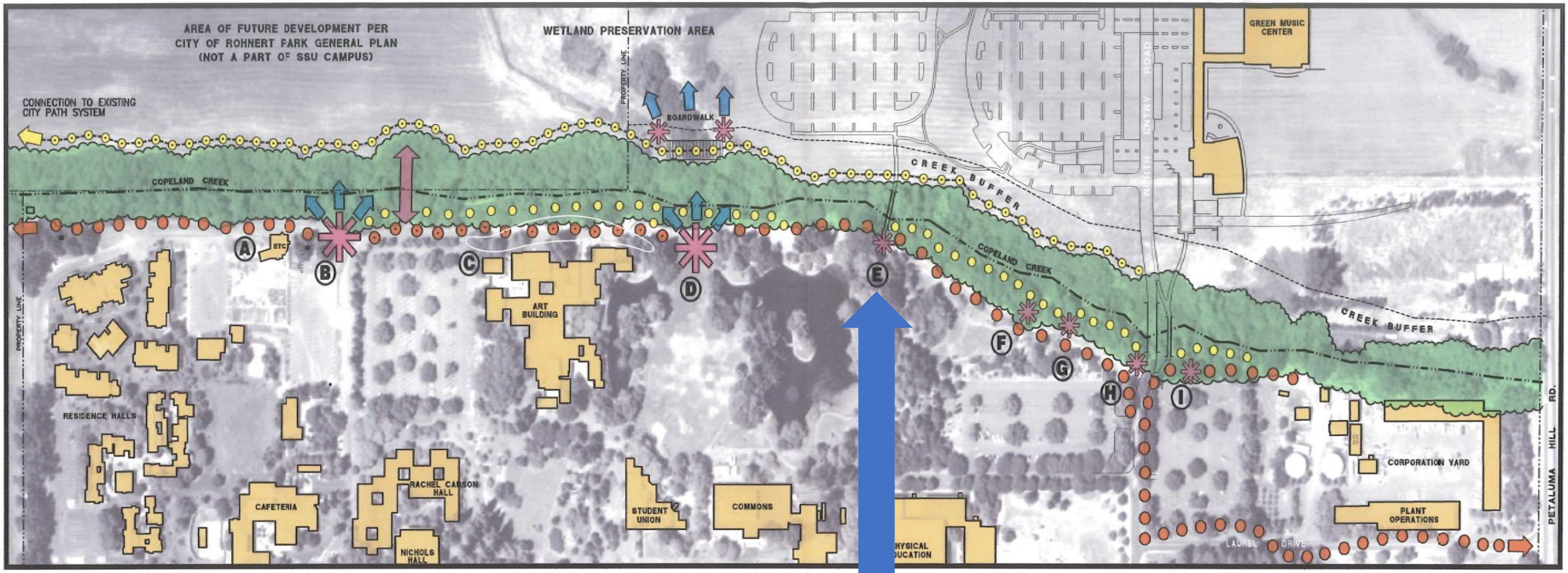


aa CREEK OVERLOOK DECK SECTION

CREEK OVERLOOK DECK CONCEPT



E

Pedestrian Bridge
Stone Seating Area

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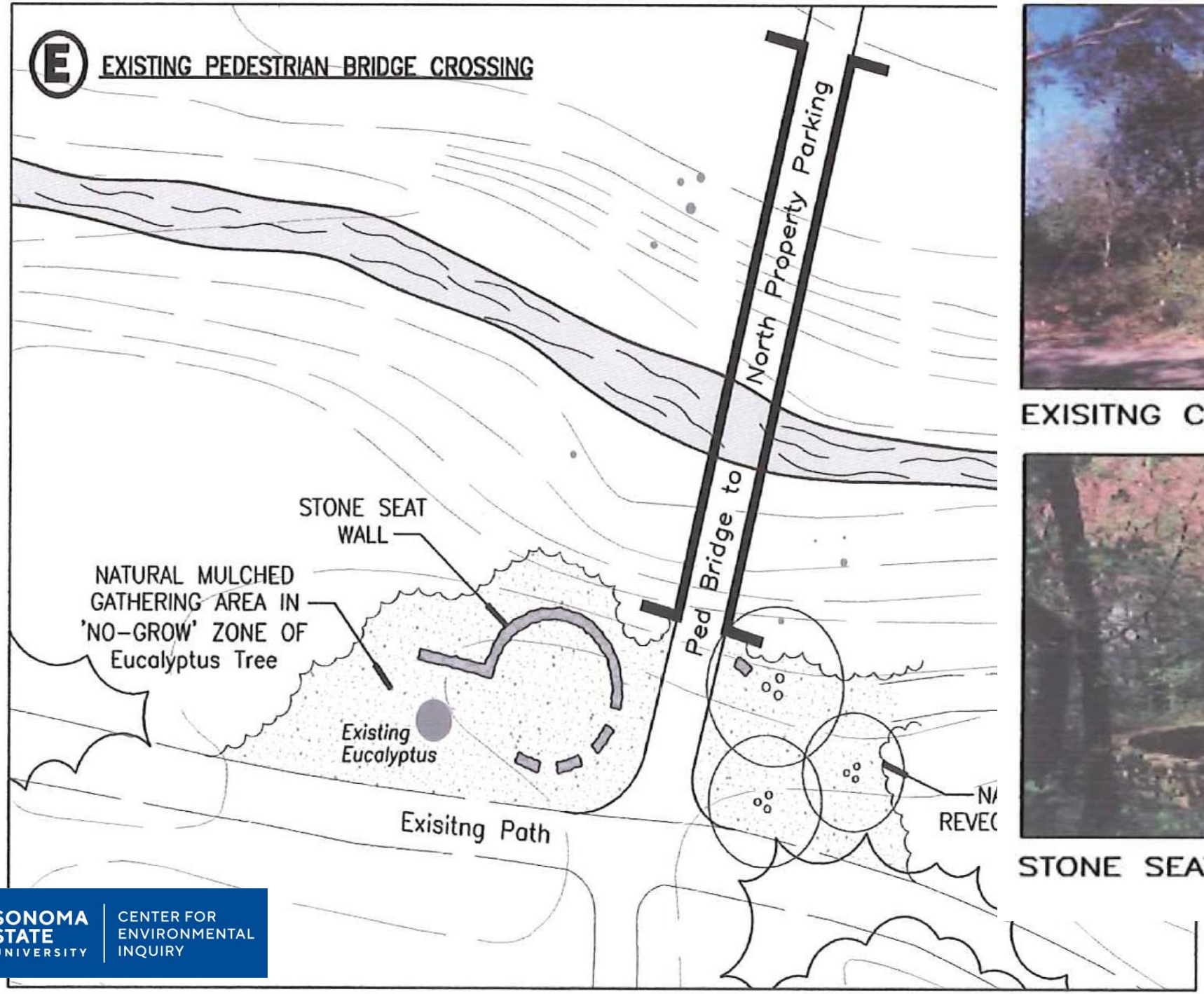
E EXISTING PEDESTRIAN BRIDGE CROSSING



EXISITNG CREEK PATH @ BRIDGE

STONE SEAT WALL

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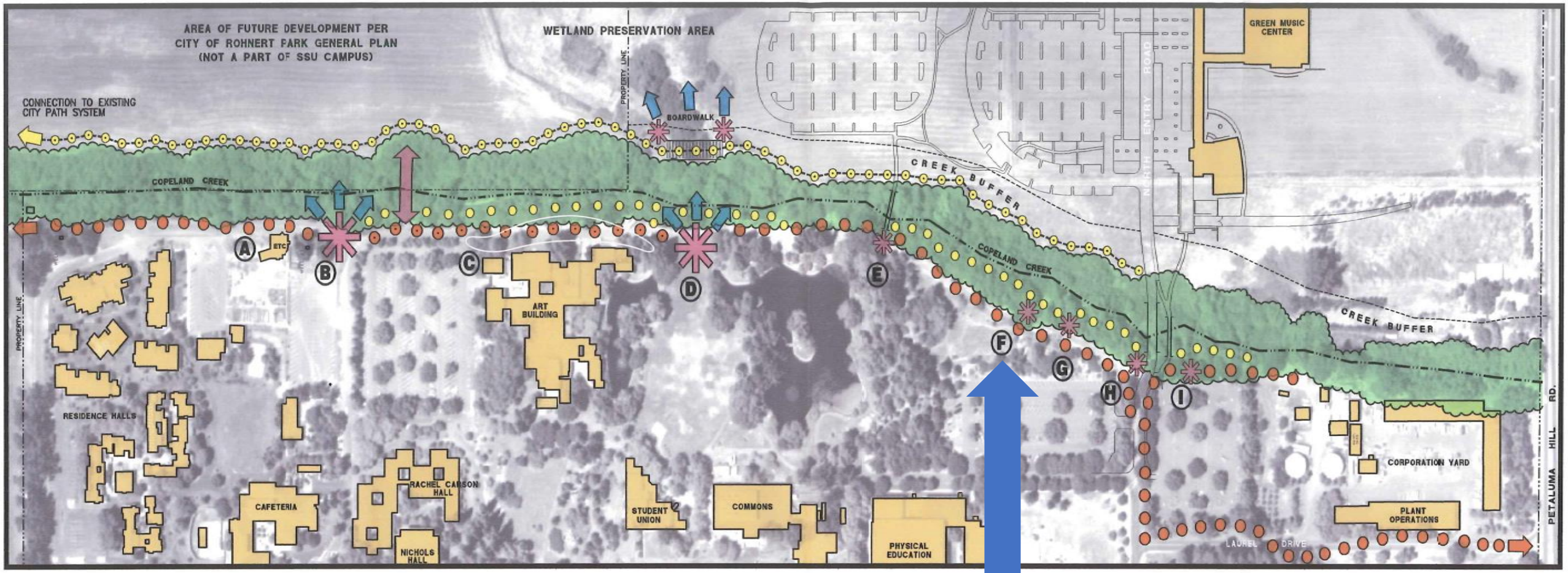

F

Seating Area

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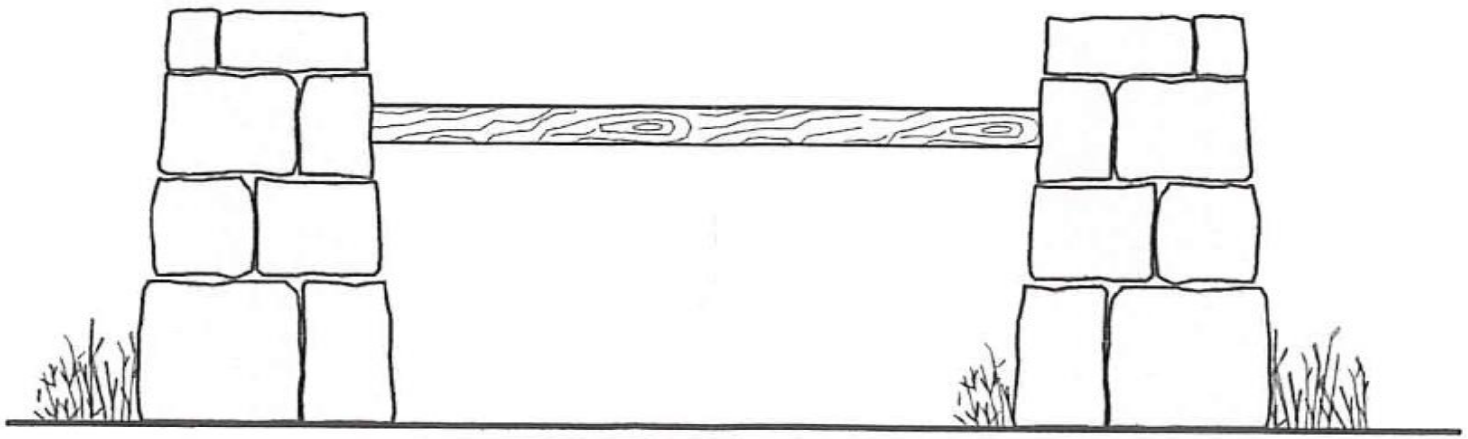
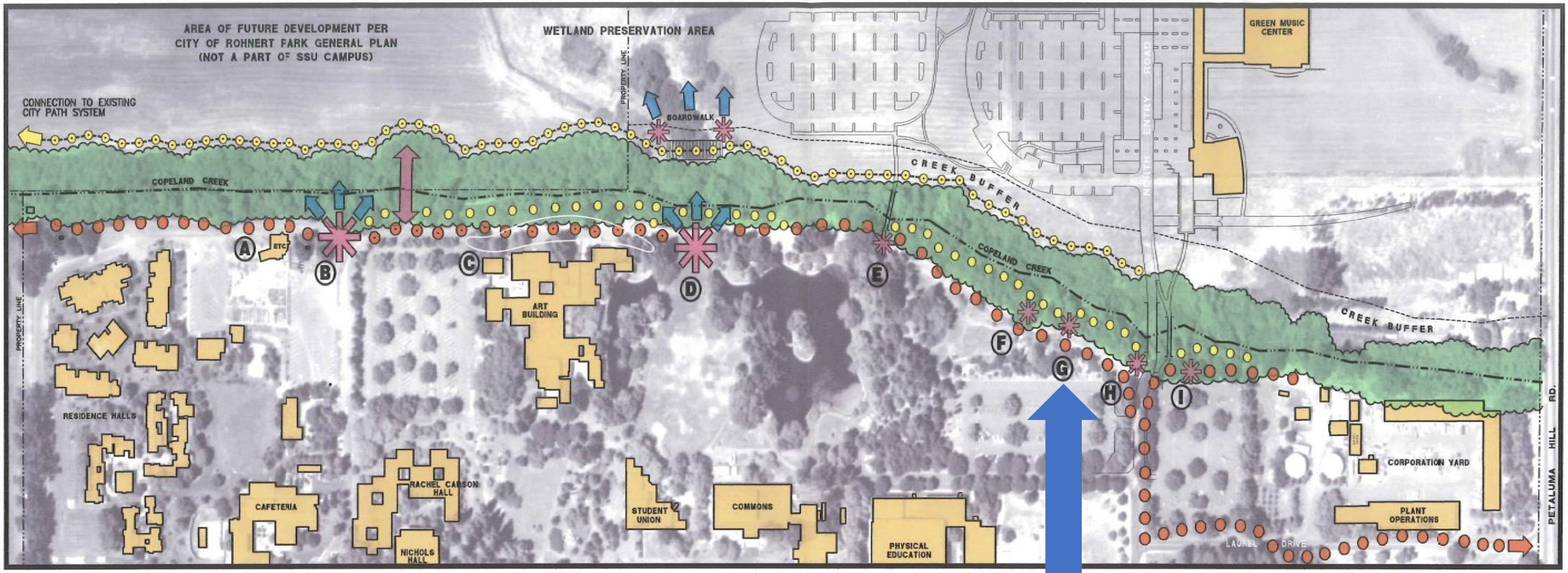
(F) SEATING AREA

EXISTING SEATING



STONE BASES WITH
REDWOOD BENCHES



G

Interpretive Sign
& Trailhead

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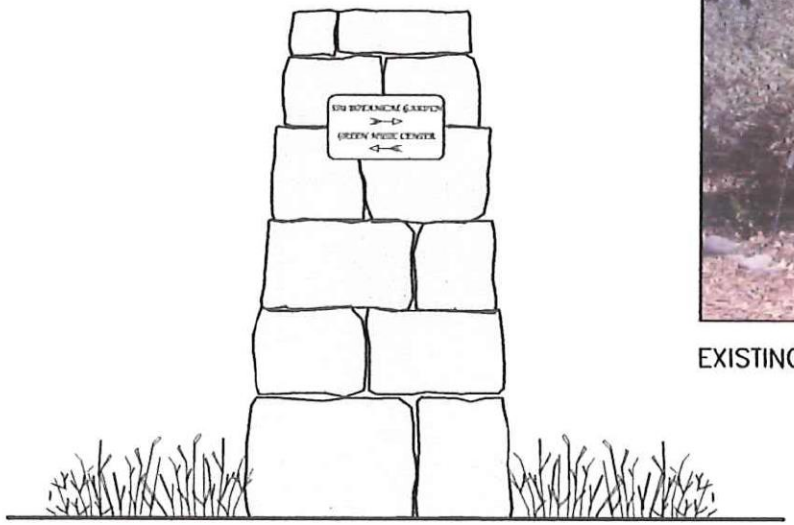
G INTERPRETIVE SIGNAGE/TRAILHEAD

EXISTING SIGNAGE

INTERPRETIVE SIGNAGE DESIGN TO BE USED CONSISTENTLY ALONG CORRIDOR

EXISTING SIGNAGE



PROPOSED STONE DIRECTIONAL/TRAILHEAD SIGNAGE

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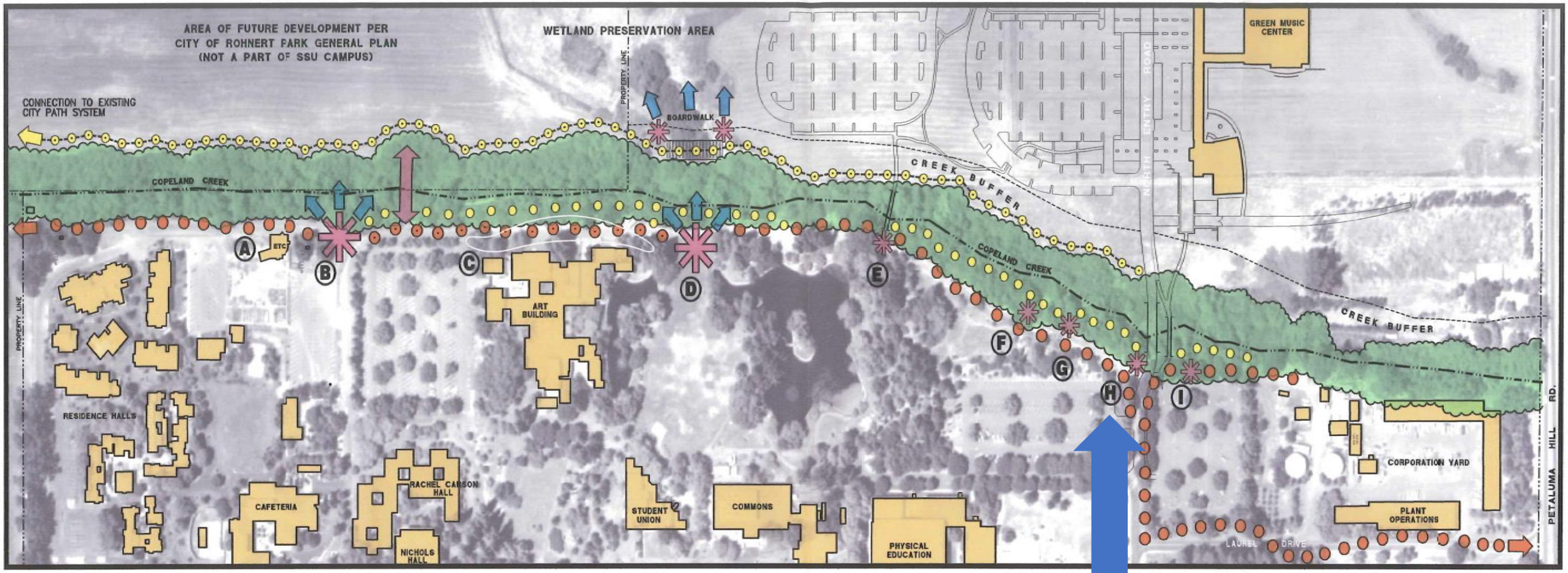

Native Plant Garden Entrance

H

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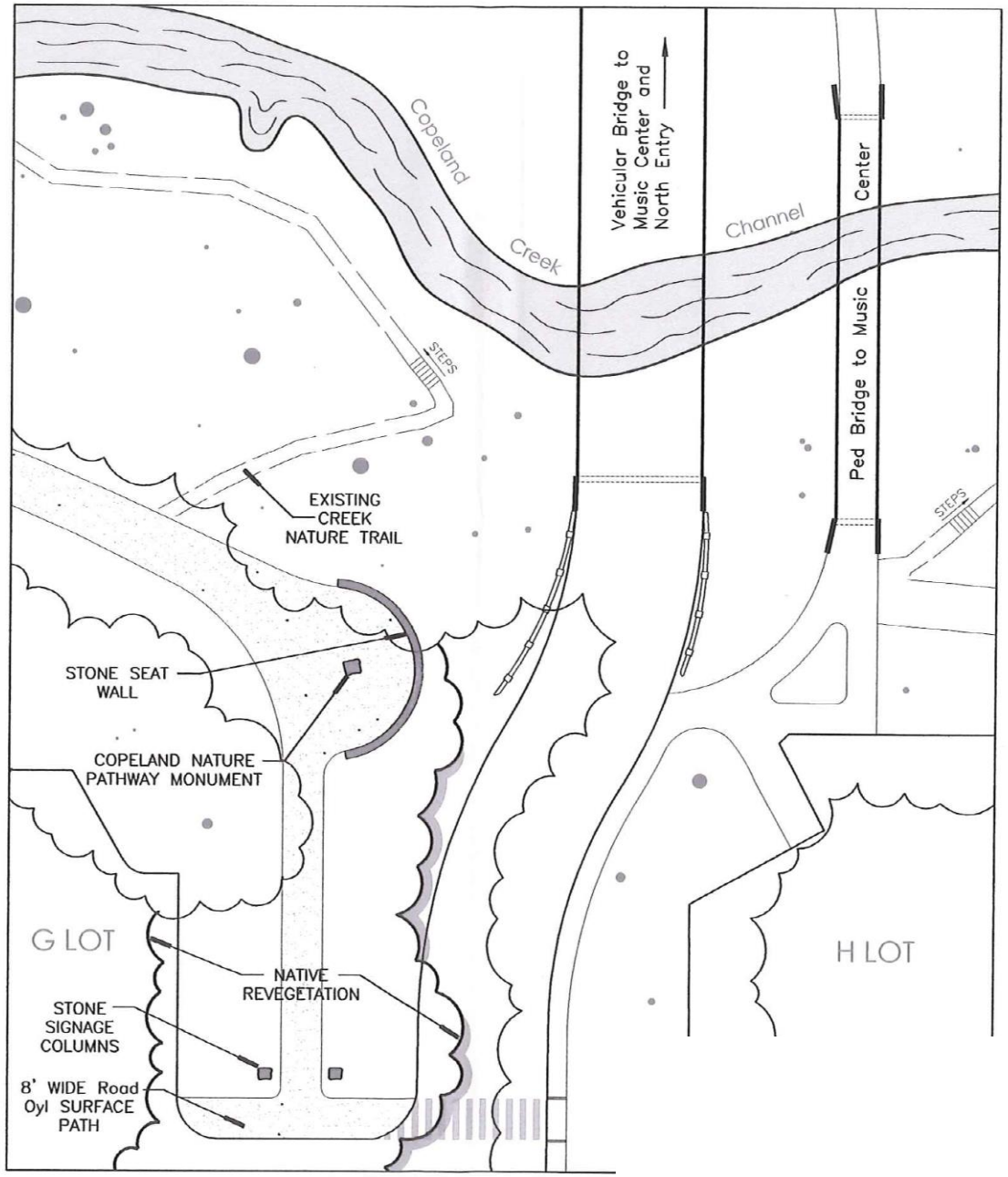
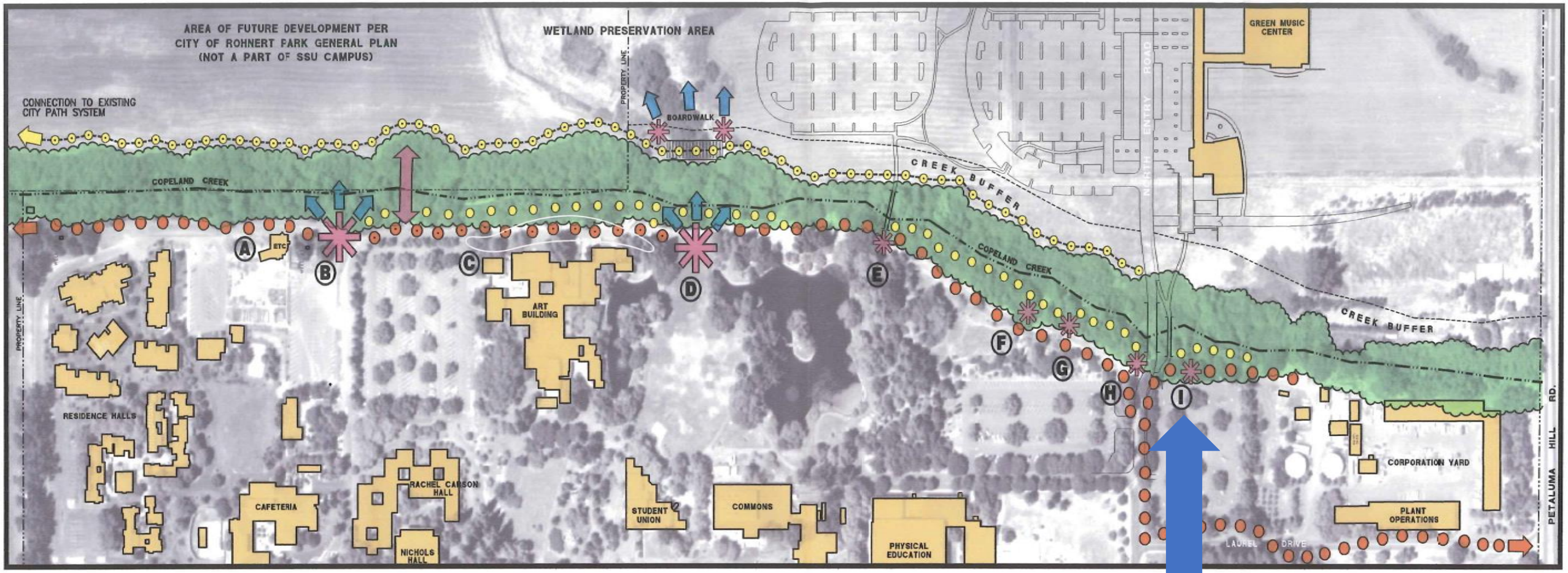
(H) NATIVE PLANT GARDEN ENTRANCE



STONE SEAT WALL



Native Berry Garden

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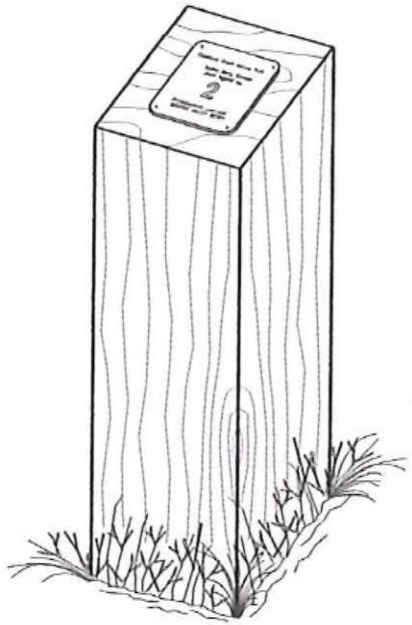
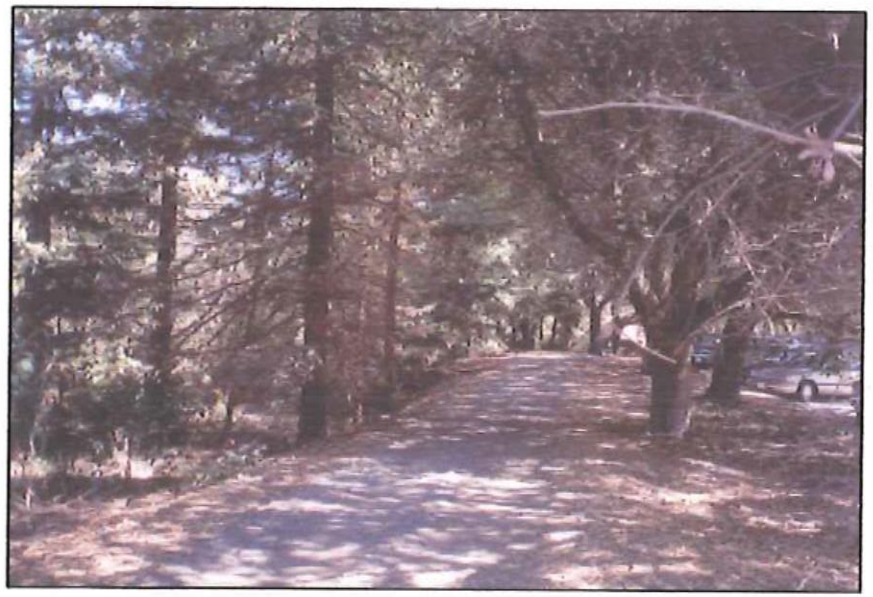
1 NATIVE BERRY GARDEN

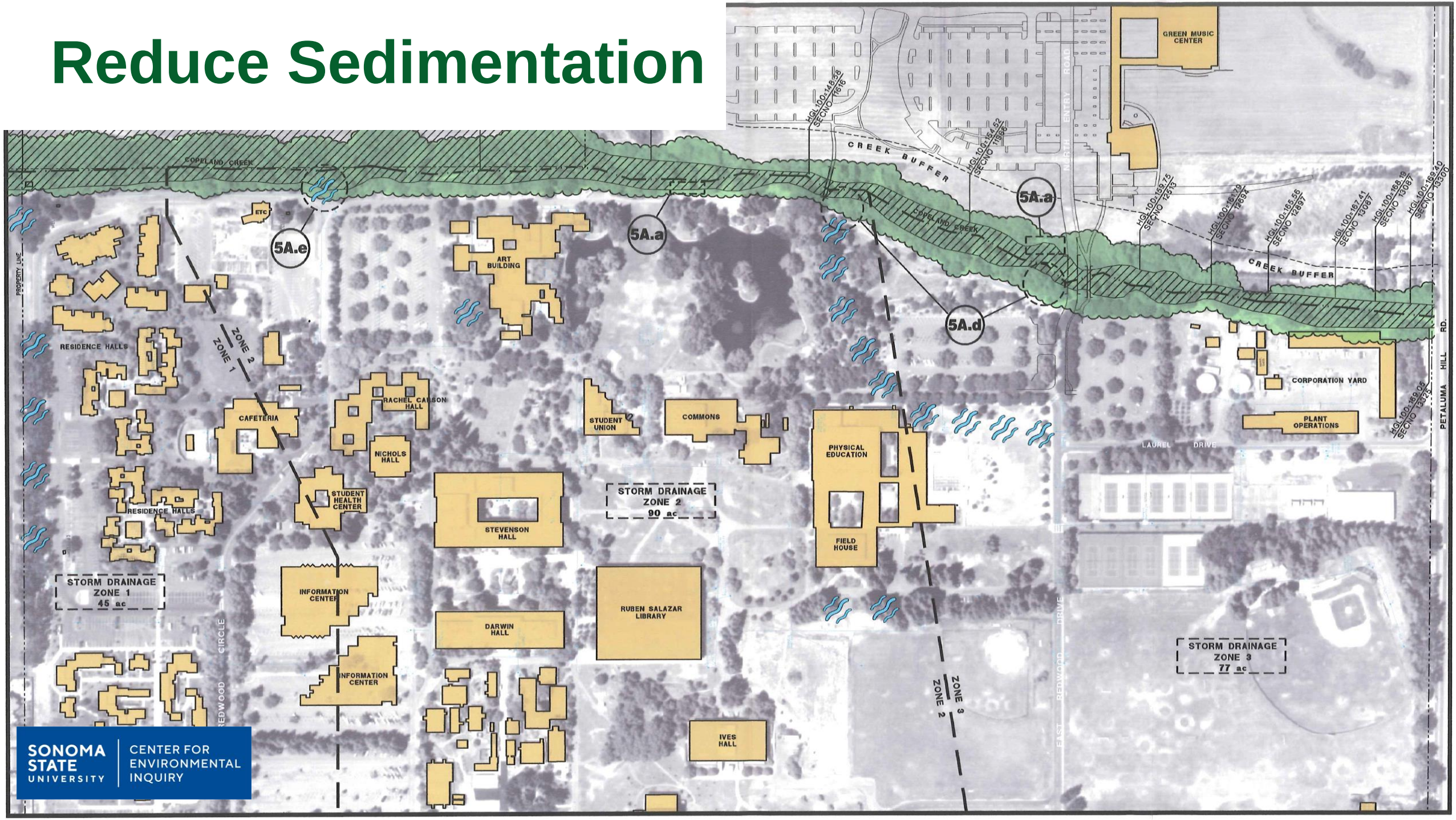
PROPOSED PLANT I.D. POST
IDENTIFY VARIOUS BERRY
PLANTS IN THIS AREA WITH
I.D. POSTS AND AN
INTERPRETIVE SIGN AT A
SMALL SEATING AREA





EXISITNG CREEK PATH

Reduce Sedimentation



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SWALE CONCEPT (SUMMER)

SWALE CONCEPT (SUMMER)

SWALE CONCEPT (SPRING)

COPELAND CREEK

NORTH ENTRY ROAD

±146 OUT

TIMBER SWALE CROSSING

PROBABLE TOP OF BANK (TYP)

ALUMNI GROVE

NATIVE PLANT GARDEN

NEW OVERLAND DRAINAGE SWALE WITH EROSION CONTROL MATTING AND REVEGETATION

ABANDON EXISTING SD LINE

G LOT

H LOT

BOULDER RETAINING FOR TREE PROTECTION

ABANDON EXISTING 27" SD LINE

NEW SD LINE

REROUTE SD TO NEW SWALE

NEW SDMH

NEW PATH

PHYSICAL EDUCATION

ELEC. MH

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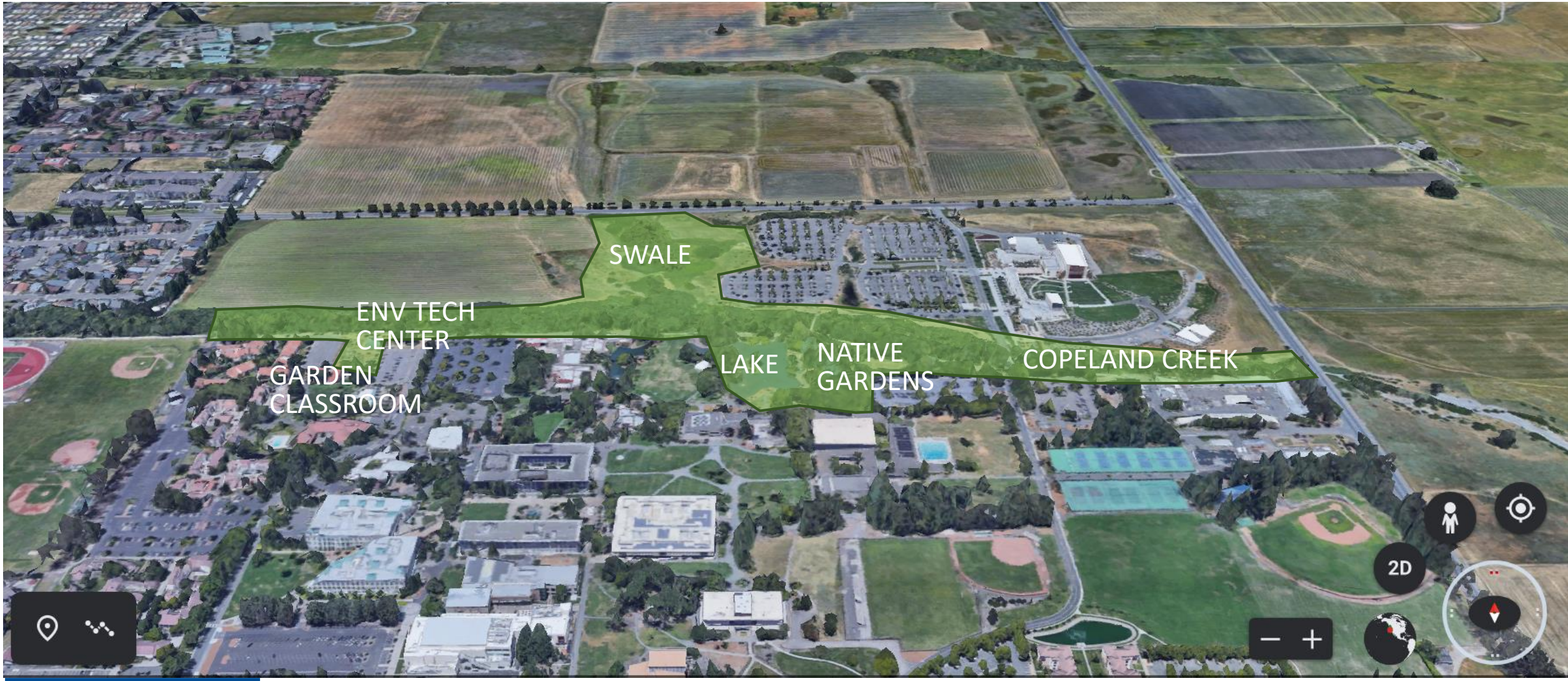
Sustainable SSU



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Sustainable SSU

(Putah Creek, UC Davis campus)

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Sustainable SSU

- Research & Education
- Recreation & Health
- Biodiversity
- Watersheds and Floods
- Carbon Sequestration

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