DUMBARTON OAKS
WASHINGTON DC 20007
NEW GREENHOUSE - PHASE I

OLD GEORGETOWN BOARD SUBMISSION
FEBRUARY 04, 2020

HISTORIC PRESERVATION REVIEW BOARD SUBMISSION

SELLDORF ARCHITECTS
REED HILDERBRAND


S
QUOD SEVERIS METES
PREND MOI TEL QUE JE SUIS
E
W
DUMBARTON OAKS GEORGETOWN · D·C·
N

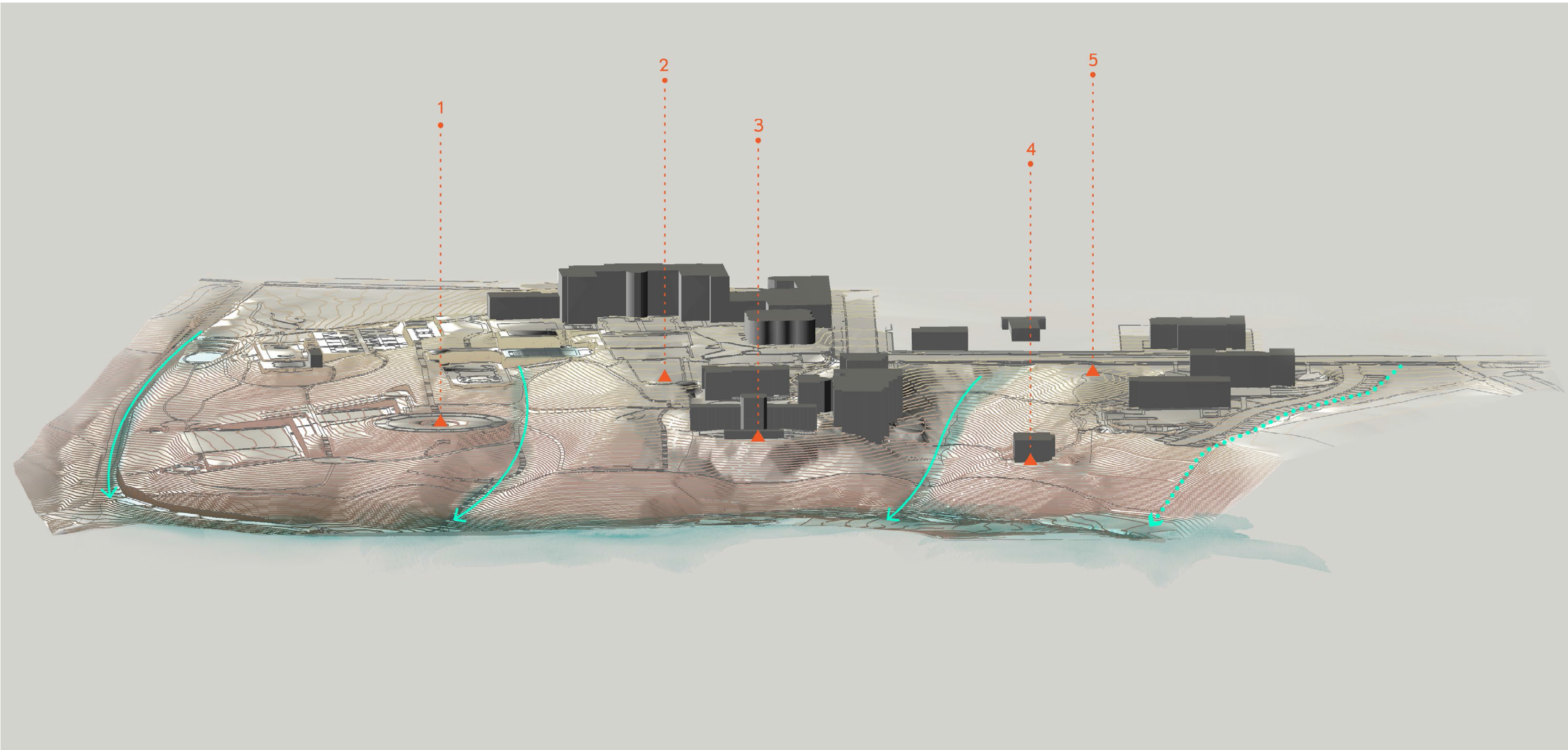
CURRENT PHOTOGRAPHS

SELLDORF ARCHITECTS
REED HILDERBRAND

SITE SENSIBILITY - BUILDING, GARDEN, LANDFORM

DUMBARTON OAKS

FEBRUARY 04, 2021

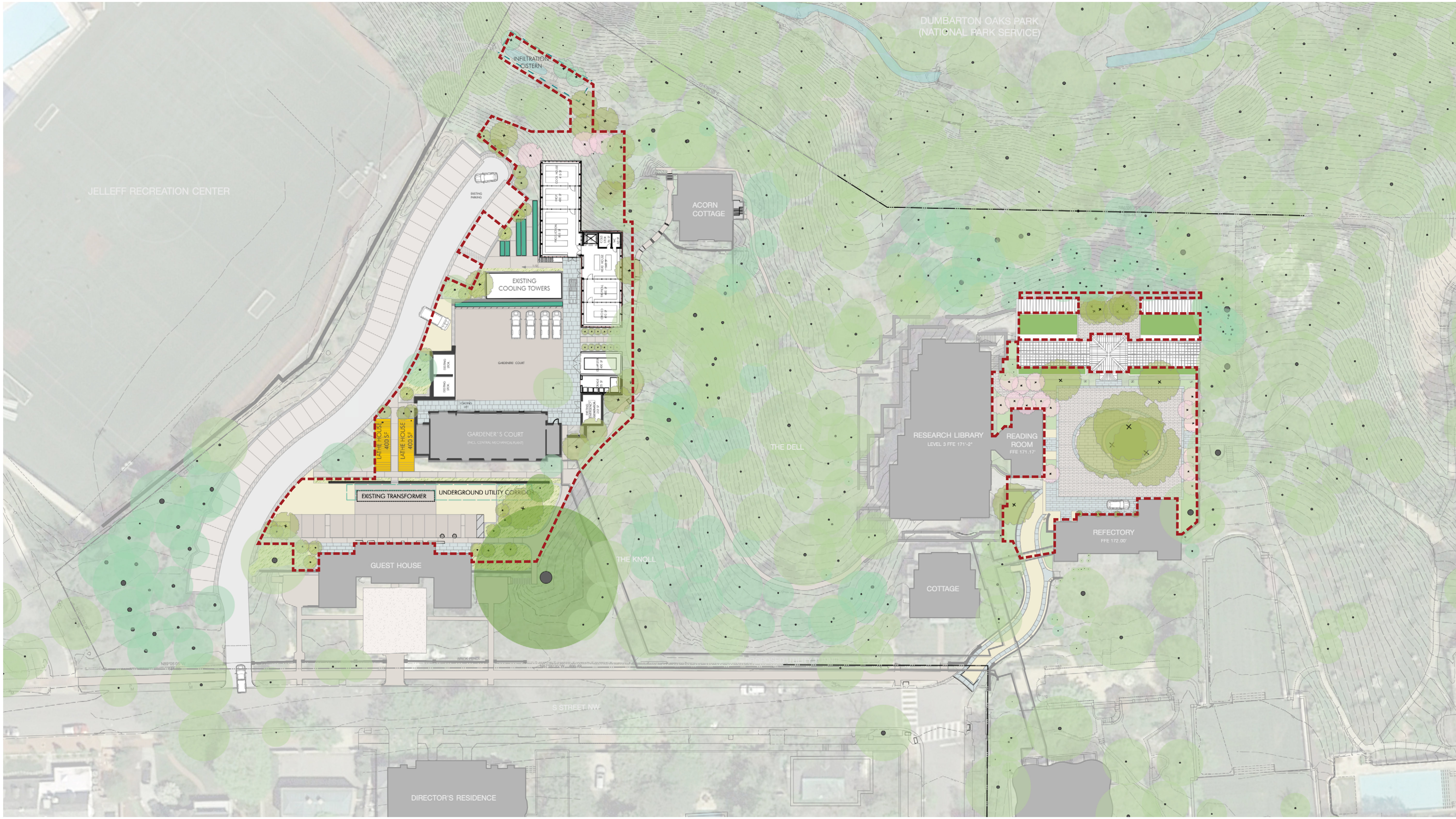


1
2
3
4
5

SELLDORF ARCHITECTS
REED HILDERBRAND

EXISTING SITE PLAN

DUMBARTON OAKS
SCALE: 1" = 100'
FEBRUARY 04, 2021



SELLDORF ARCHITECTS
REED HILDERBRAND

PHASE I + PHASE II

DUMBARTON OAKS

FEBRUARY 04, 2021

VIEW FROM ENTRANCE

VIEW OF PARKING

VIEW OF GARDENER'S COURT

VIEW OF GARDENER'S COURT

VIEW OF ENCLOSURE FOR
CONDENSING UNITS

VIEW OF PARKING
LOOKING SOUTH

SELLDORF ARCHITECTS
REED HILDERBRAND

PHASE 1 - EXISTING PHOTOS

DUMBARTON OAKS

FEBRUARY 04, 2021

VIEW OF ENCLOSURE FOR
CONDENSING UNITS

VIEW OF SITE FOR NEW GREENHOUSE
FROM TRAIL TO THE NORTH

LIMIT OF WORK LINE

N

SELLDORF ARCHITECTS
REED HILDERBRAND

EXISTING CONDITIONS

DUMBARTON OAKS
SCALE: 1/64" = 1'
FEBRUARY 04, 2021

LIMIT OF WORK LINE

SELLDORF ARCHITECTS
REED HILDERBRAND

EXISTING CONDITIONS

DUMBARTON OAKS
SCALE: 1/64" = 1'
FEBRUARY 04, 2021

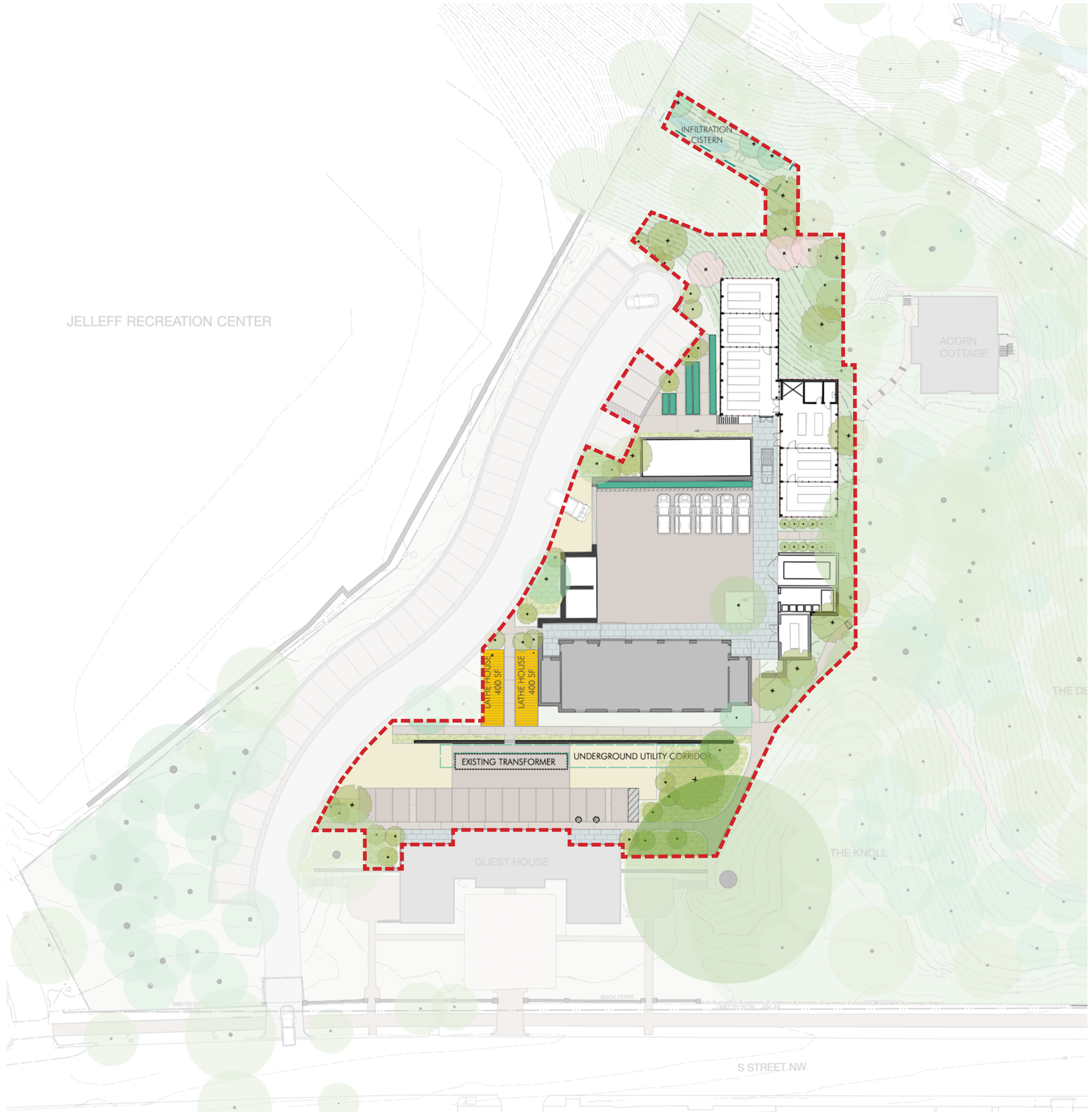
CONSISTENCY WITH DUMBARTON OAKS GARDENS LEGACY

UNIFIED HORTICULTURAL ORGANIZATION AND EXPRESSION

SIMPLE, BEAUTIFUL, AND EASY TO MAINTAIN

HIGH OPERATIONAL FUNCTIONALITY

- RELOCATED DUMPSTERS AND STORAGE
- NEW COLDFRAMES AND LATH HOUSE
- 544 SF COLDFRAMES (540 EX)
- 800 SF LATH HOUSE (800 EX)
- 366 SF STORAGE (360 EX)
- TWO ELECTRIC VEHICLE CHARGING STATIONS
- 63 PARKING SPOTS IN TOTAL (3 ADA)



COLD FRAME
LATH HOUSE
PROPOSED WALL
EXISTING WALL
LIMIT OF WORK LINE

SELLDORF ARCHITECTS
REED HILDERBRAND

PROPOSED SITE PLAN

DUMBARTON OAKS
SCALE: 1/64" = 1'
FEBRUARY 04, 2021

HERITAGE TREES TO PROTECT

GOOD CONDITION TREES TO PROTECT

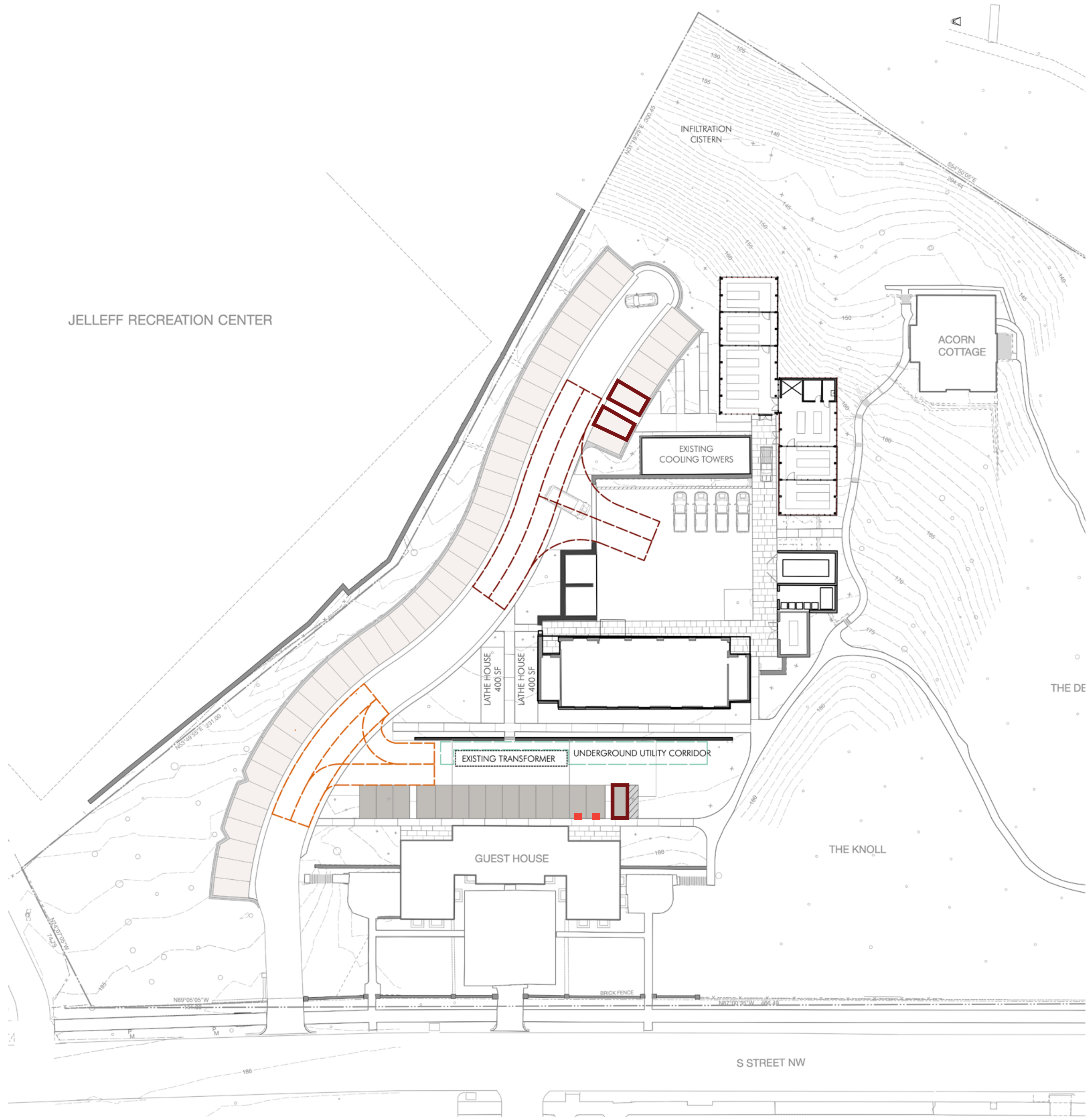
LIMIT OF WORK LINE

SELLDORF ARCHITECTS
REED HILDERBRAND

TREES

DUMBARTON OAKS
SCALE: 1/64" = 1'
FEBRUARY 04, 2021

- 2 ELECTRIC VEHICLE CHARGING STATION
- 3 ADA PARKING SPOTS
- 63 PARKING SPOTS IN TOTAL

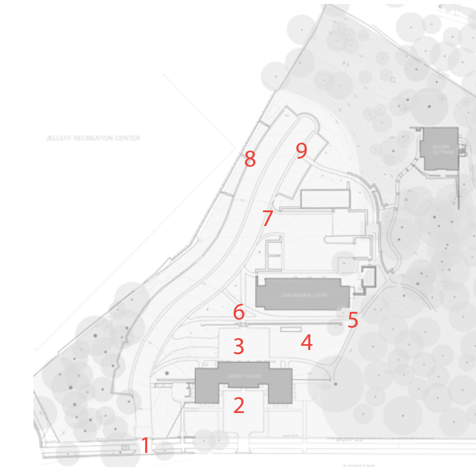


EXISTING PARKING SPOT
PROPOSED PARKING SPOT
ADA PARKING SPOT
CHARGING STATION
FIRE TRUCK TURNING RADIUS
REGULAR CAR TURNING RADIUS


1. ASPHALT


2. PEASTONE


3. SEEDED AGGREGATE CONCRETE




4. MULCH


5. STEPPING STONE


6. BLUESTONE


7. SEEDED AGGREGATE CONCRETE


8. POROUS PAVER & COBBLE


9. SEEDED AGGREGATE CONCRETE

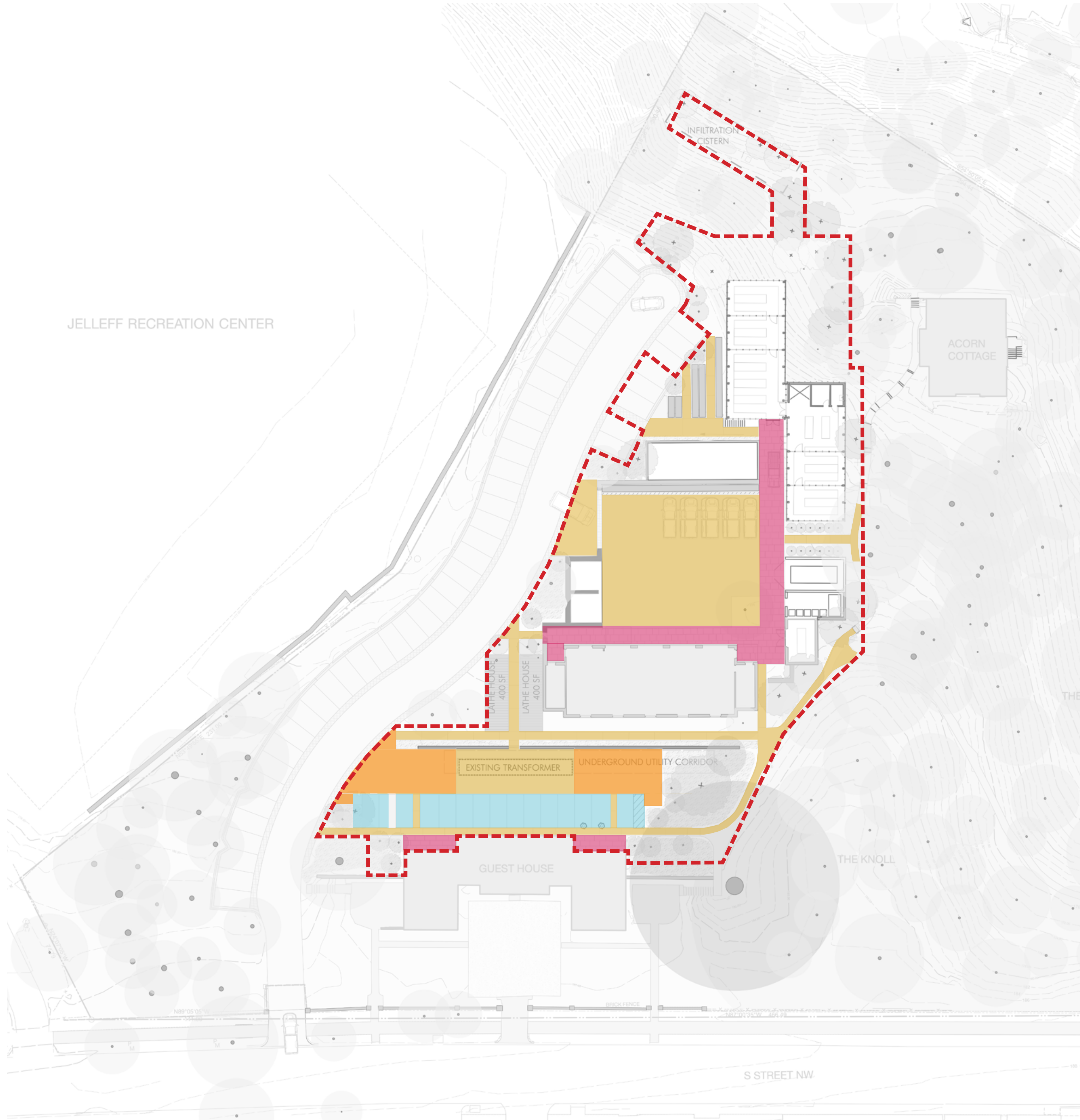
N

SELLDORF ARCHITECTS
REED HILDERBRAND

EXISTING MATERIALS

DUMBARTON OAKS

FEBRUARY 04, 2021



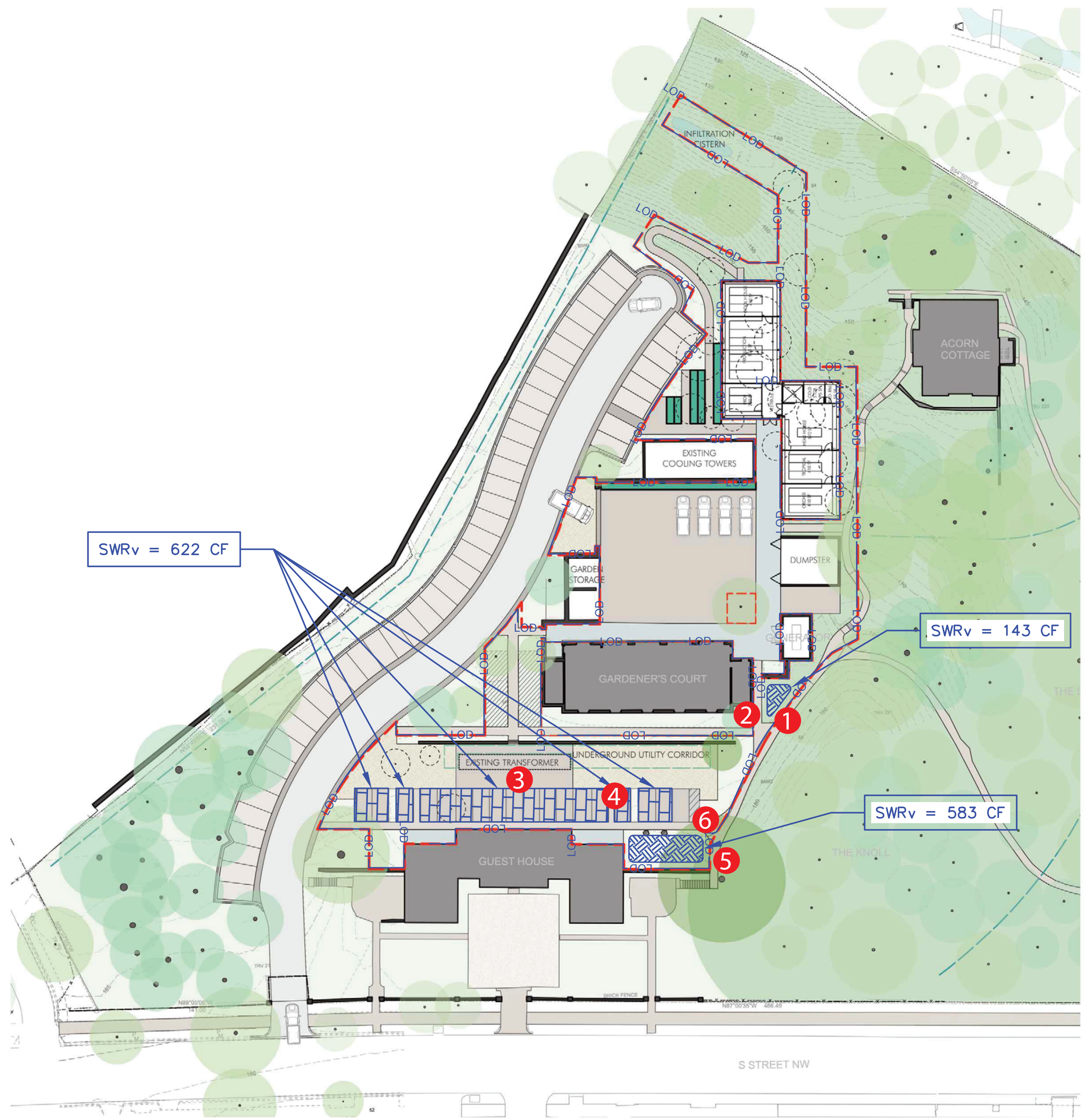
PERMEABLE PAVER
SEEDED AGGREGATE CONCRETE
GRANITE SETTS
BLUESTONE
LIMIT OF WORK LINE

N

SELLDORF ARCHITECTS
REED HILDERBRAND

PROPOSED MATERIALS

DUMBARTON OAKS
SCALE: 1/64" = 1'
FEBRUARY 04, 2021



LEGEND

PERMEABLE PAVERS (TOTAL = 2,195 SF)

POSSIBLE BIORETENTION LOCATIONS (TOTAL = 558 SF)

LOD — LIMIT OF DISTURBANCE

STORMWATER REQUIREMENTS

Indicate Post-Development Land Cover For SDA 1	Major Land Disturbing
Cover Type	Area (square feet)
Natural Cover	
Compacted Cover	7,733
Impervious Cover	17,570
Vehicular Access Areas*	0
BMP	2,753
Drainage Area Total	28,056

Rv Coefficients

Land Cover Type	Rv
Natural Cover	0.00
Compacted Cover	0.25
Impervious Cover	0.95

Stormwater Retention Volume, SWRv (cubic feet)	**2,124**
Stormwater Retention Volume, SWRv (gallons)	**15,888**
Stormwater Retention Volume,SWRv Provided (cf)	**1,347**

PROPOSED STORMWATER CONCEPT DESIGN APPROACH

- REQUIRED STORMWATER RETENTION VOLUME (SWRv) = 2,124 CF
- PROPOSED 2,195 SF OF PERMEABLE PAVEMENT WILL PROVIDE APPROXIMATELY 622 CF OF RETENTION VOLUME BASED ON THE FOLLOWING ASSUMPTIONS:
  1. INFILTRATION RATES ALLOW FOR THE PERMEABLE PAVEMENT SECTION TO DRAIN THE DESIGN STORM WITHIN 48 HOURS.
  2. THERE IS AT LEAST 2 FT OF SEPARATION FROM THE GROUNDWATER AND THE BOTTOM OF THE PROPOSE PERMEABLE PAVEMENT SECTION.

  CLIENT SHOULD PERFORM SOIL BORINGS IN THE LOCATIONS OF PROPOSED PERMEABLE PAVEMENT TO VERIFY THE ABOVE CONDITIONS EXIST PRIOR TO CONSTRUCTION.
- REMAINING SWRv WILL BE MET THROUGH BIORETENTION FACILITIES. THE PROPOSED SECTION IS ATTACHED. APPROXIMATELY 1,155 SF OF BIORETENTION FACILITIES ARE REQUIRED TO MEET STORMWATER MANAGEMENT REQUIREMENTS.

STORMWATER MANAGEMENT CONCEPT

N

SELLDORF ARCHITECTS
REED HILDERBRAND

PHASE 1 - CURRENT SITE PLAN

DUMBARTON OAKS

FEBRUARY 04, 2021

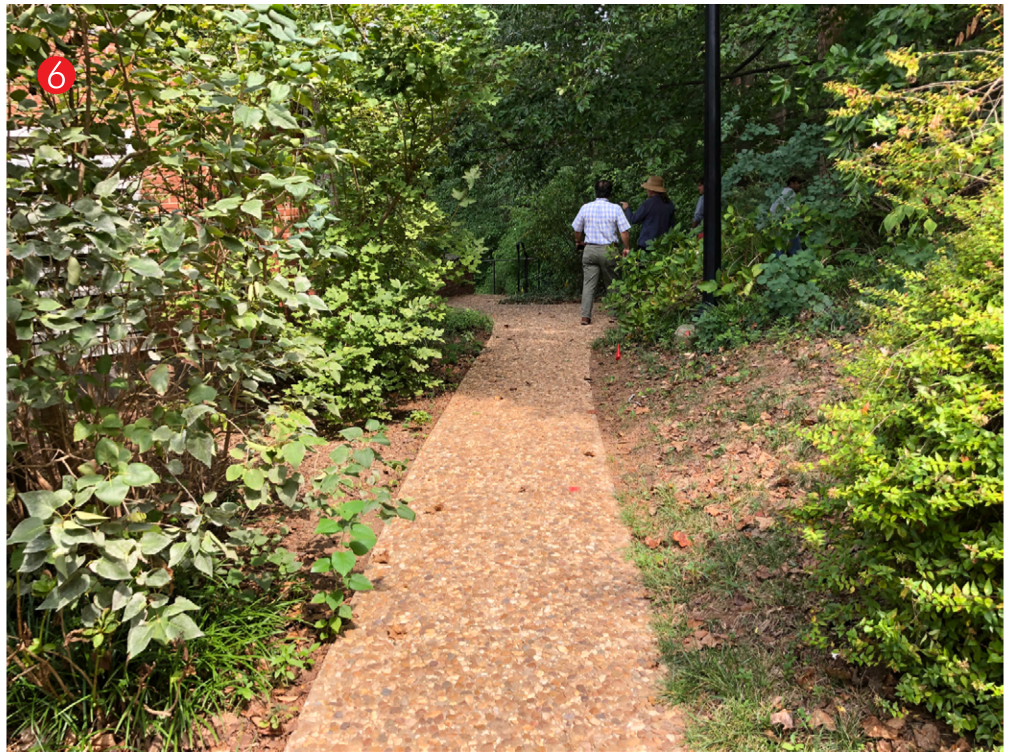

1

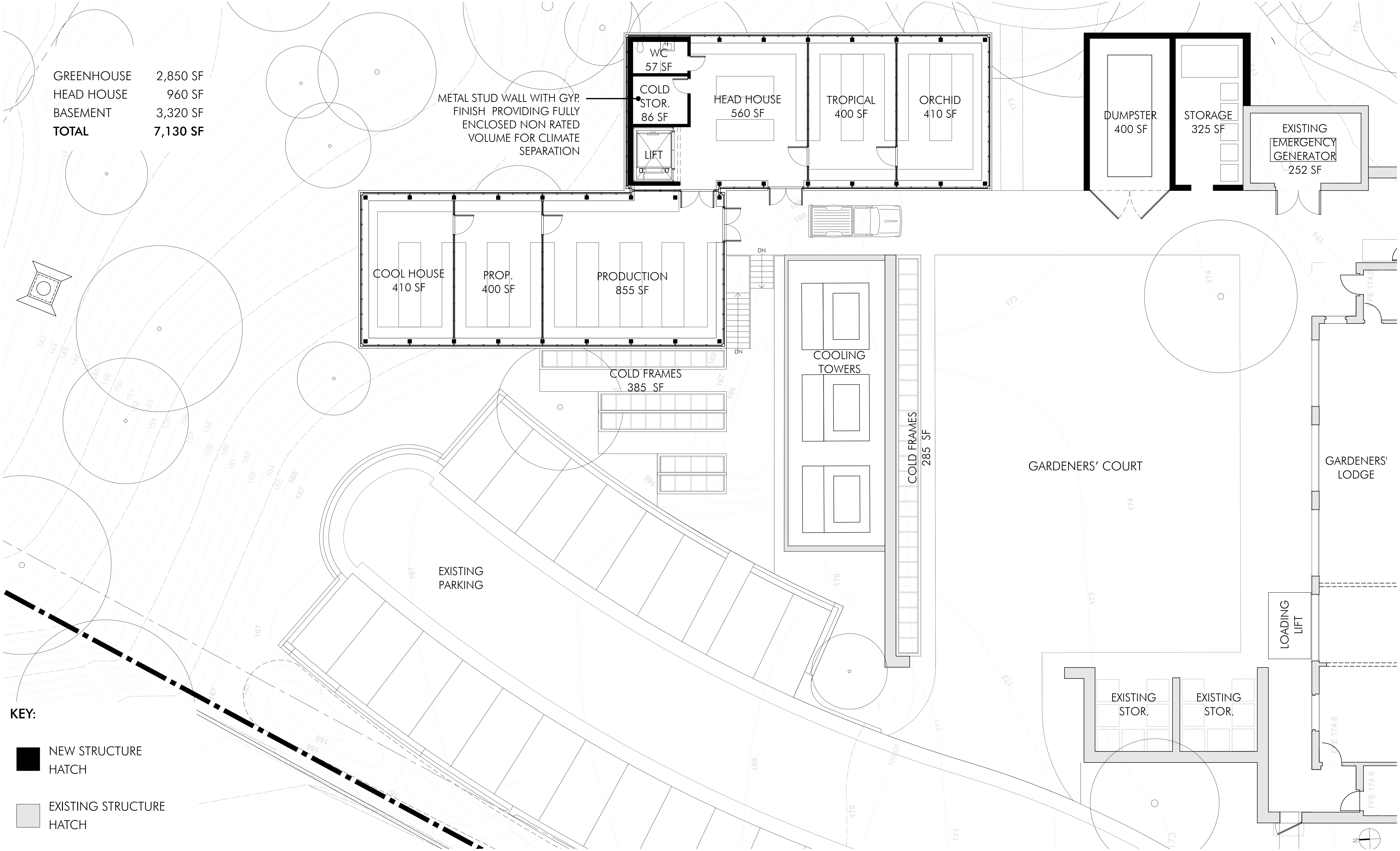

2


3


4


5


6

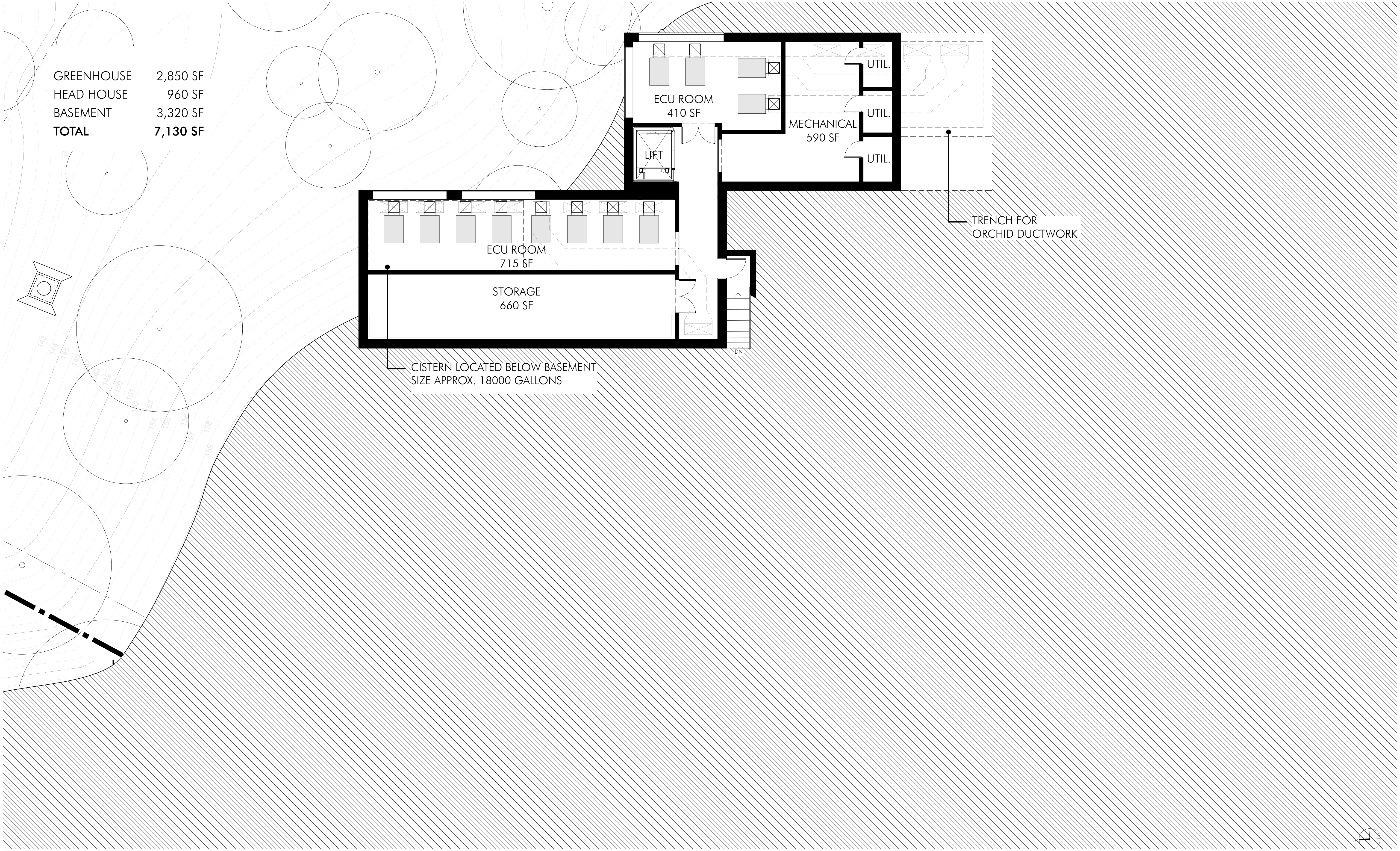


SELLDORF ARCHITECTS
REED HILDERBRAND

PHASE I - GREENHOUSE MAIN PLAN

DUMBARTON OAKS
SCALE: 1/16" = 1'
FEBRUARY 04, 2021

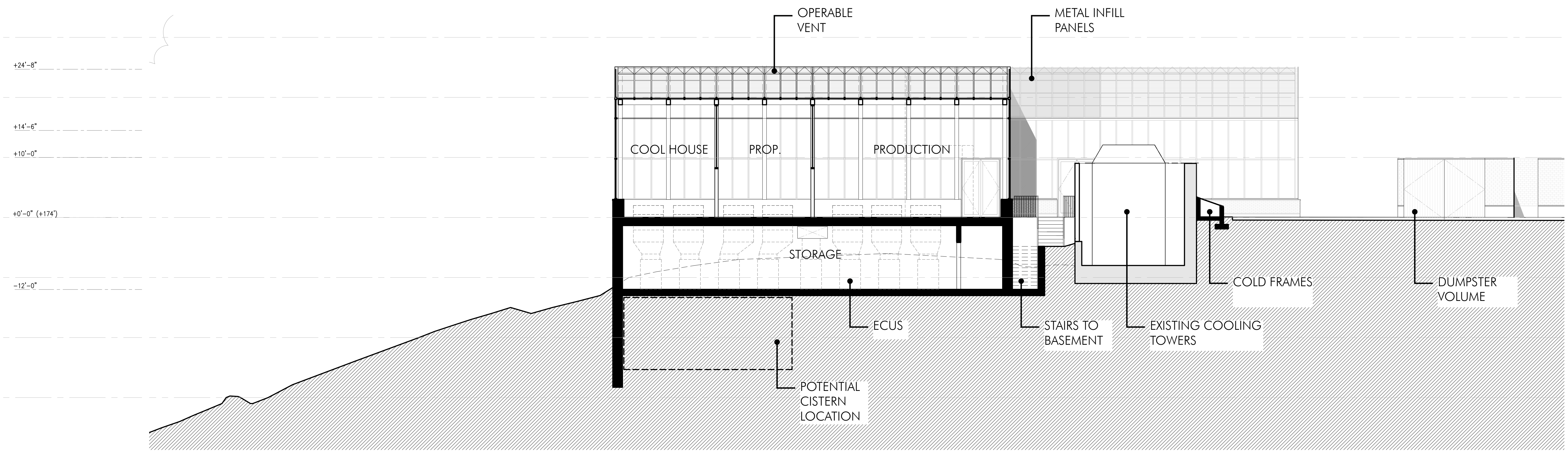
GREENHOUSE	2,850 SF
HEAD HOUSE	960 SF
BASEMENT	3,320 SF
TOTAL	**7,130 SF**



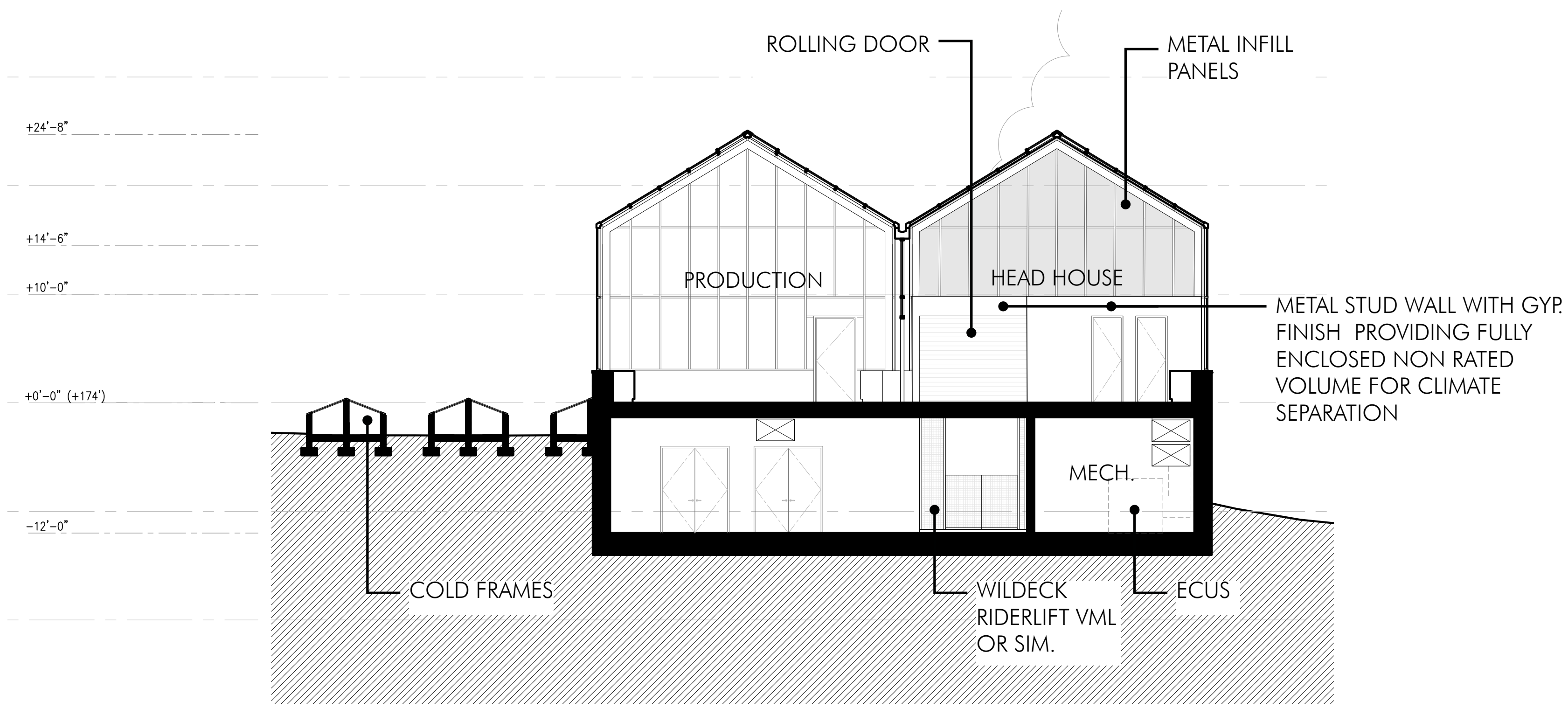
SELLDORF ARCHITECTS
REED HILDERBRAND

NEW GREENHOUSE BASEMENT PLAN

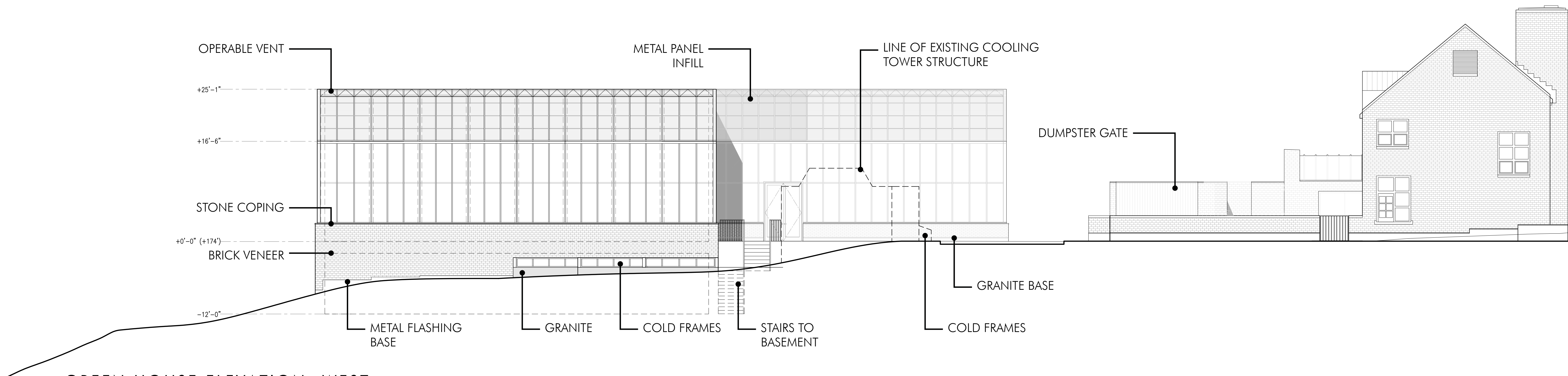
DUMBARTON OAKS
SCALE: 1/16" = 1'
FEBRUARY 04, 2021



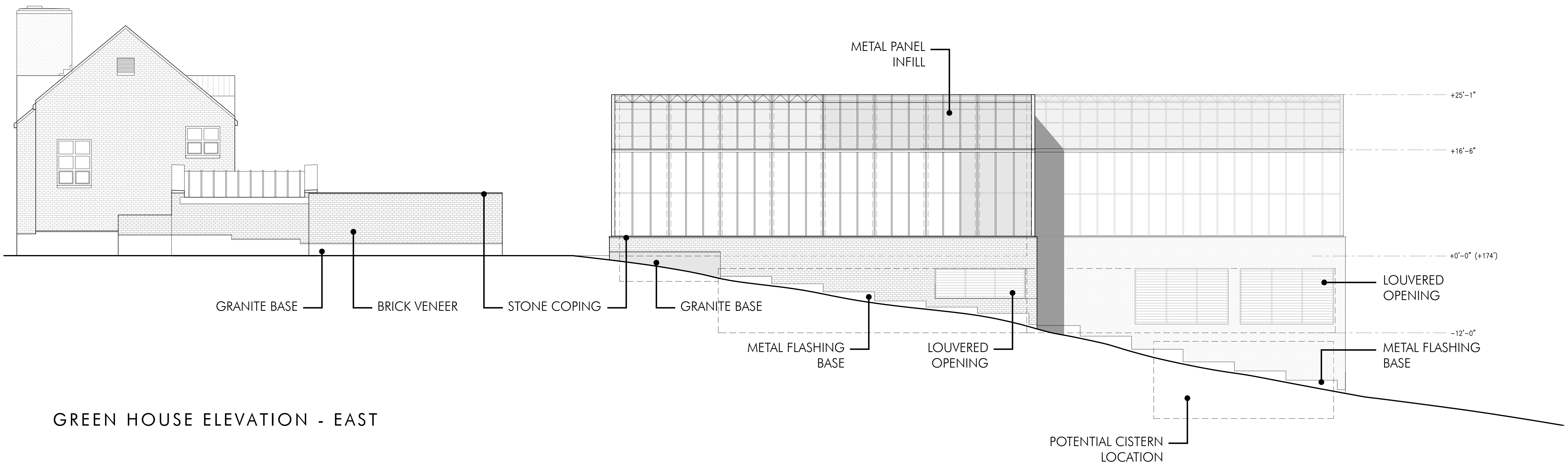
1. NORTH - SOUTH SITE SECTION



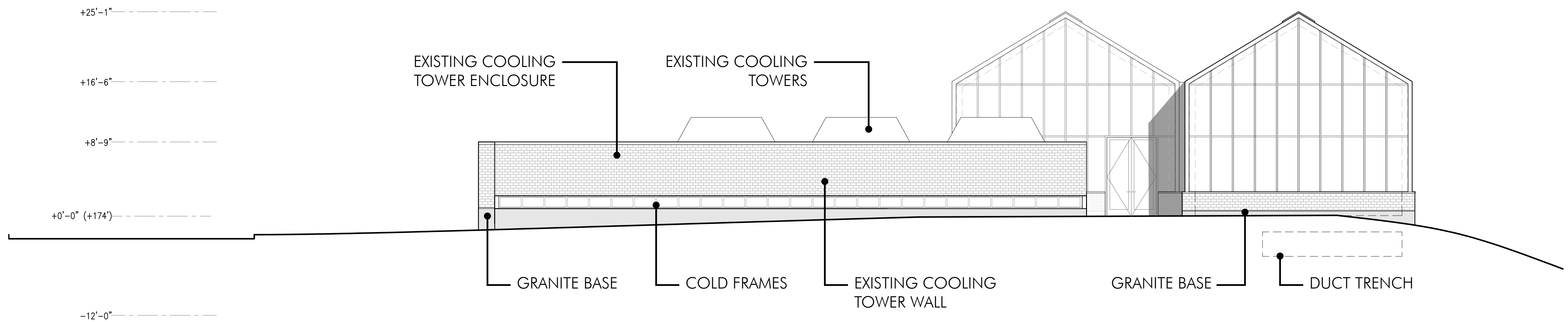
2. EAST - WEST SITE SECTION



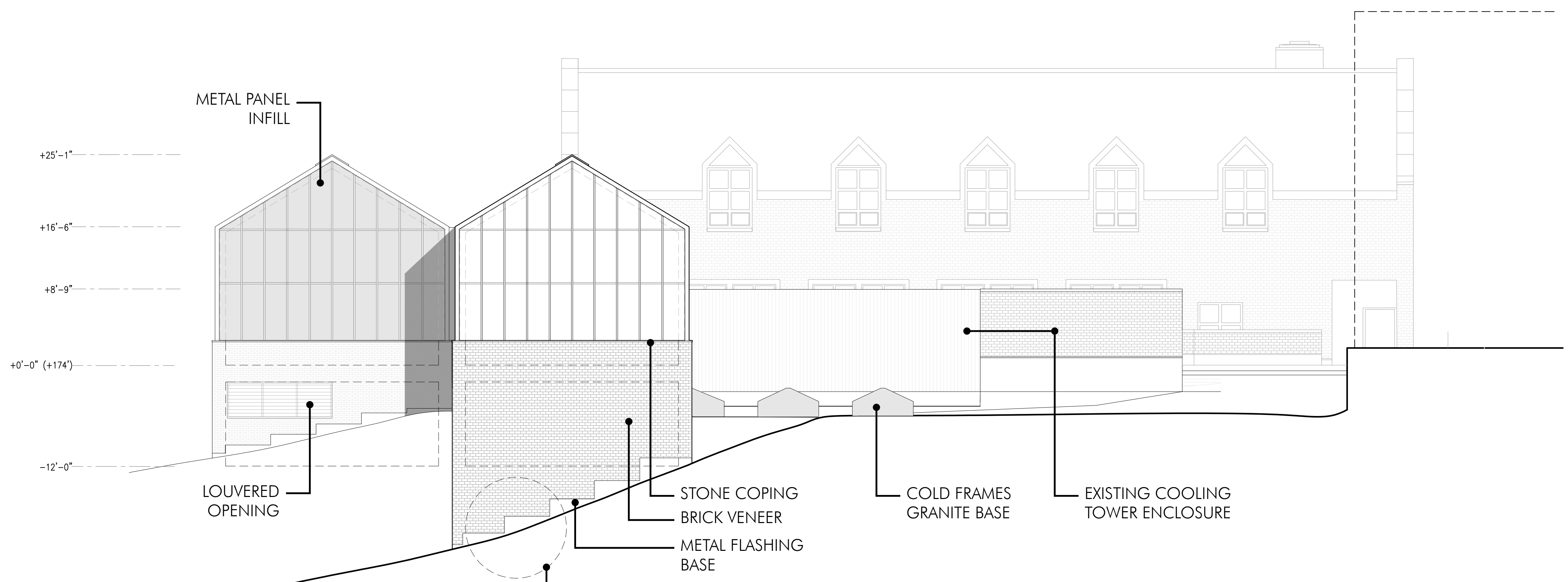
GREEN HOUSE ELEVATION -WEST



GREEN HOUSE ELEVATION - EAST



GREEN HOUSE ELEVATION - SOUTH

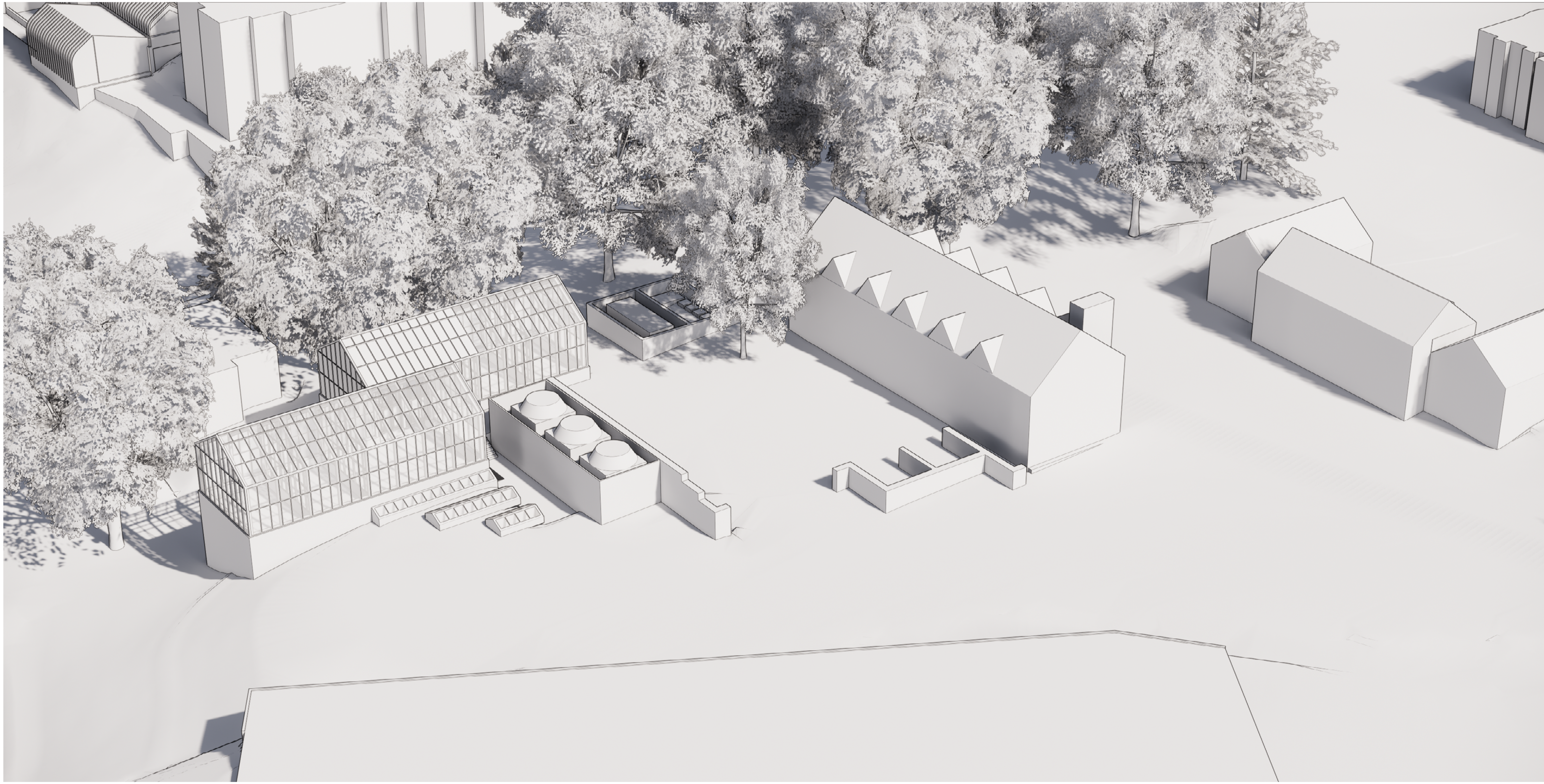


GREEN HOUSE ELEVATION - NORTH

SELLDORF ARCHITECTS
REED HILDERBRAND

NEW GREENHOUSE ELEVATIONS

DUMBARTON OAKS
SCALE: 1/16" = 1'
FEBRUARY 04, 2021



PHASE 1 - NEW GREENHOUSE

SELLDORF ARCHITECTS
REED HILDERBRAND

PHASE I + PHASE II

DUMBARTON OAKS

FEBRUARY 04, 2021