



# U.S. PARK POLICE STABLES

US Commission of Fine Arts Review  
Final Design  
May 7, 2020



## **SITE HISTORY**

**THE U.S. PARK POLICE HORSE MOUNTED UNIT WAS ESTABLISHED IN 1934.**

**SINCE 1976, THE UNIT'S HORSES HAVE BEEN STABLED AT A STRUCTURE ON THE NATIONAL MALL BUILT AS A TEMPORARY FACILITY FOR THE BICENTENNIAL.**

**THE DETERIORATING STATE OF THE STABLES, COUPLED WITH ITS PROMINENT LOCATION ON THE NATIONAL MALL, HAS PROMPTED THE NATIONAL PARK SERVICE ALONG WITH THE TRUST FOR THE NATIONAL MALL TO INVESTIGATE REPLACEMENT OF THE EXISTING FACILITY.**

## **PURPOSE OF STABLES ON THE MALL**

- RESPOND TO SPONTANEOUS DEMONSTRATIONS**
- PROVIDE CROWD CONTROL AT LARGE SCALE PUBLIC AND FIRST AMENDMENT EVENTS**
- PROVIDE SECURITY DURING HELICOPTER LANDINGS OF THE PRESIDENT AND OTHER HEADS OF STATE**
- RESPOND TO WHITE HOUSE EMERGENCIES**
- PROVIDE ADDITIONAL SECURITY TO ICONS**
- DELIVER IMMEDIATE SUPPLEMENTAL LAW ENFORCEMENT RESPONSE THROUGHOUT THE NATIONAL MALL TO PROTECT 20 MILLION PLUS VISITORS**

## **PREVIOUS PLANS AND STUDIES TO RETAIN LOCATION AND CHARACTER OF THE STABLES**

- 1980 STUDY CONCLUDED BEST LOCATION FOR STABLES - CFA/NCPC REVIEWED AND ACCEPTED**
- 2006 REPORT TO CONGRESS ON THE COMMEMORATIVE WORKS ACT UPDATE - PL108-126 SEC 206**
- 2010 NATIONAL MALL PLAN**

## **PROJECT FACTS AND FIGURES**

- CONSTRUCTION BUDGET: \$10,000,000**
- PROJECT FUNDING: FULLY FUNDED - PRIVATE DONOR**
- CONSTRUCTION SCHEDULE: 12 MONTHS BEGINNING JULY 2020**





**CURRENT STABLES**





CURRENT STABLES





Vietnam War Memorial

10 MINUTE WALK

Constitution Gardens

5 MINUTE WALK

WW2 Memorial

Lincoln Memorial

3 MINUTE WALK

Korea War Memorial

DC War Memorial

MLK Memorial

SITE CONTEXT





Vietnam Veterans Memorial

Constitution Gardens

Reflecting Pool

Lincoln Memorial

WW2 Memorial

PRIMARY  
CIRCULATION  
NODE

Korean War  
Veterans Memorial

DC War Memorial

MLK Jr. Memorial

Tidal Basin

MAIN VISITOR ROUTE

800 ft





Vietnam Veterans Memorial

Constitution Gardens

Reflecting Pool

Lincoln Memorial

WW2 Memorial

Korean War  
Veterans Memorial

DC War Memorial

West Potomac Park

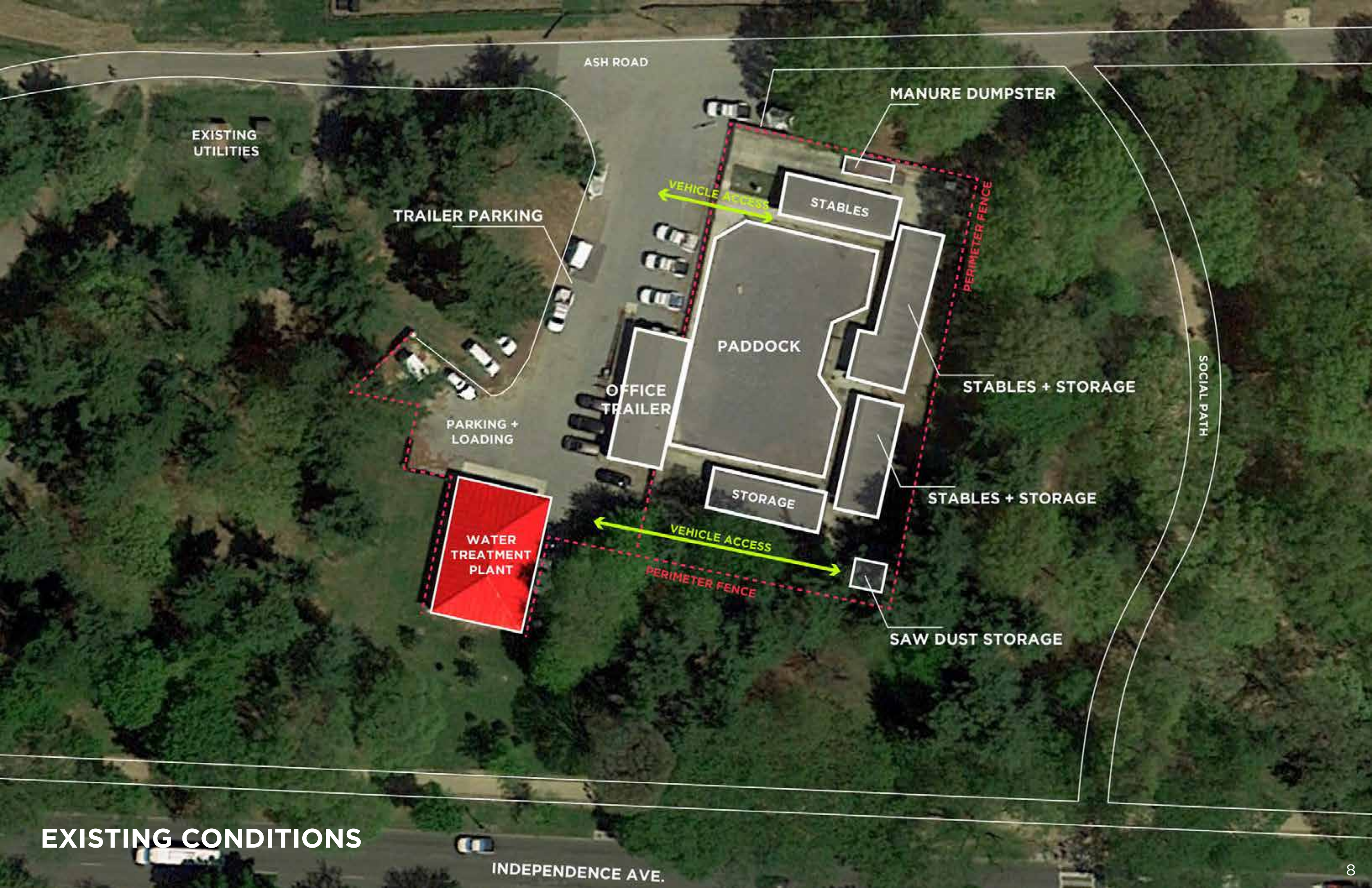
MLK Jr. Memorial

Tidal Basin

**INDEPENDENCE AVENUE CROSSINGS**

800 ft

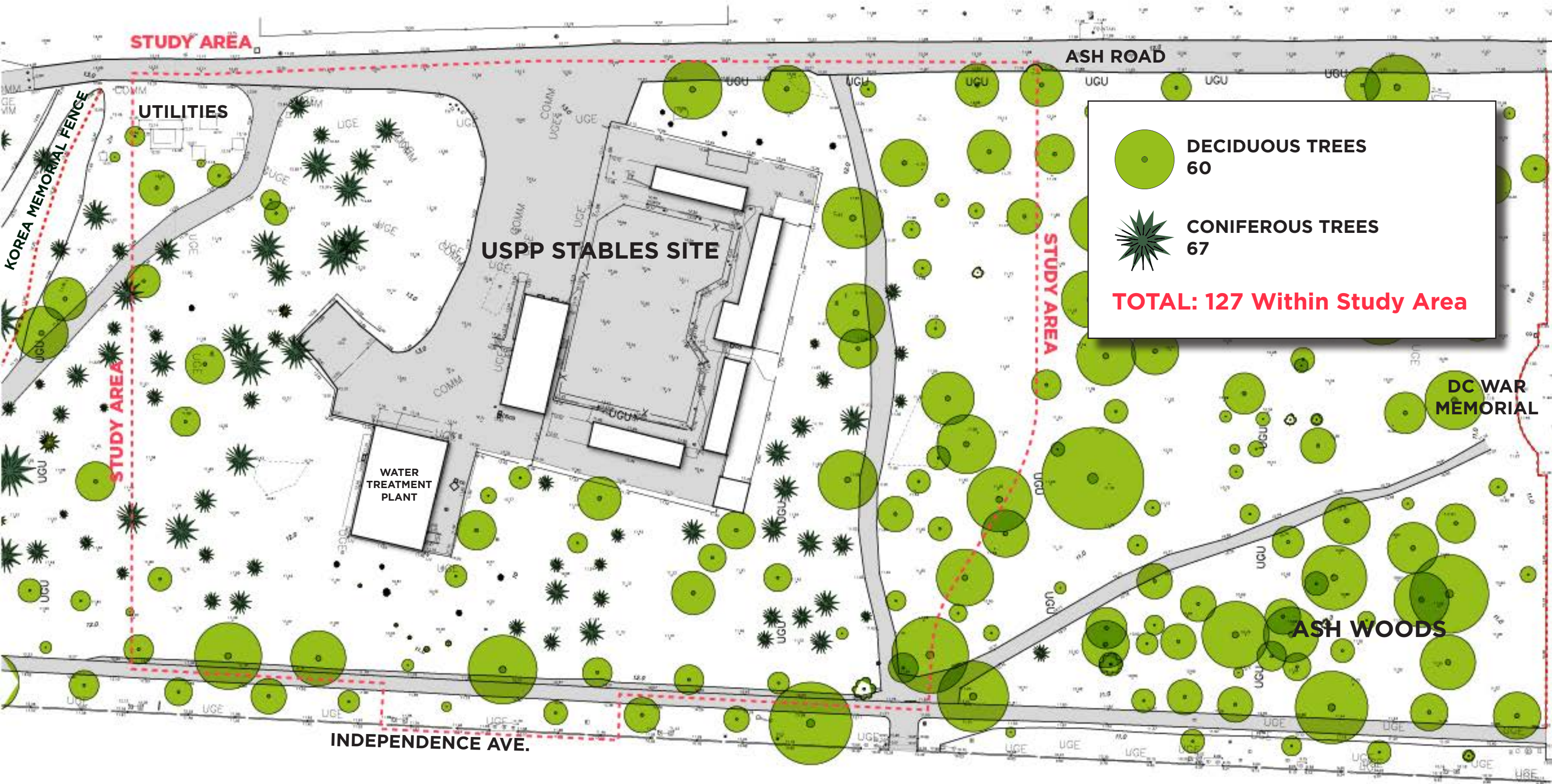




## EXISTING CONDITIONS

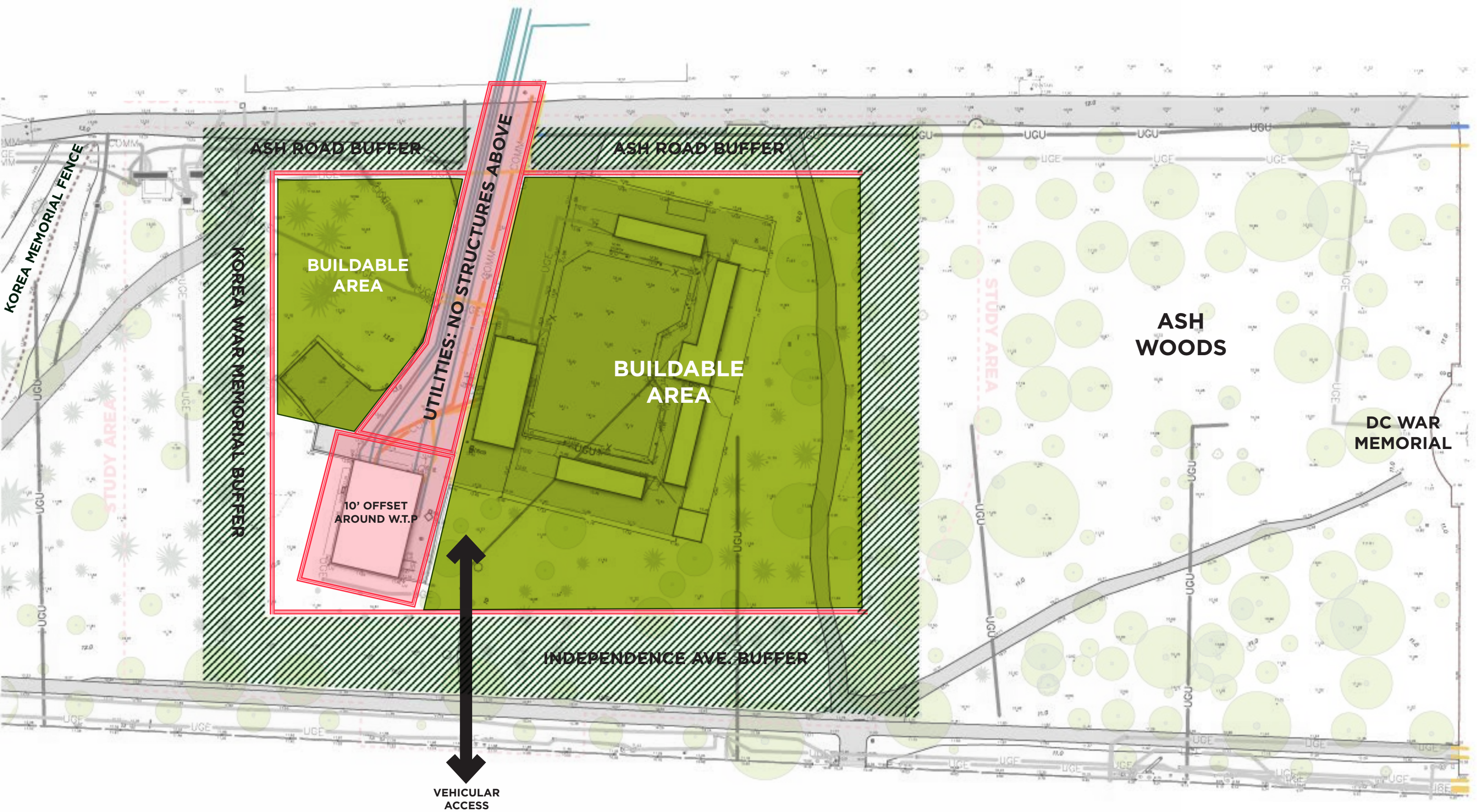


HOCKEY FIELDS



EXISTING CONDITIONS





**CONSTRAINTS**



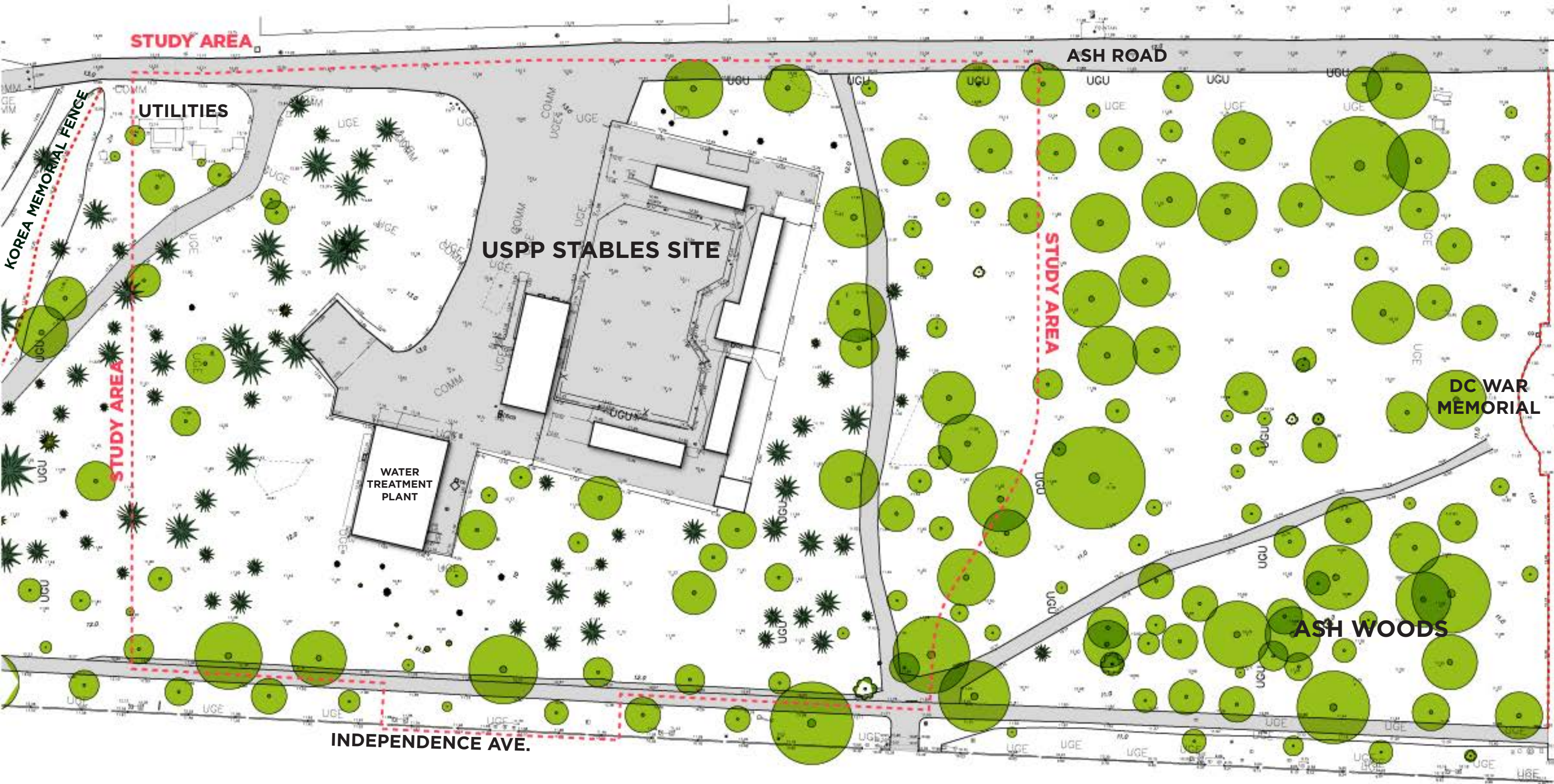




THE SITE



HOCKEY FIELDS



INDEPENDENCE AVE.

ASH ROAD

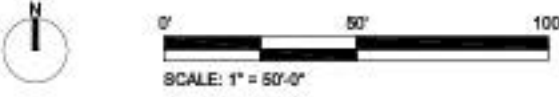
USPP STABLES SITE

UTILITIES

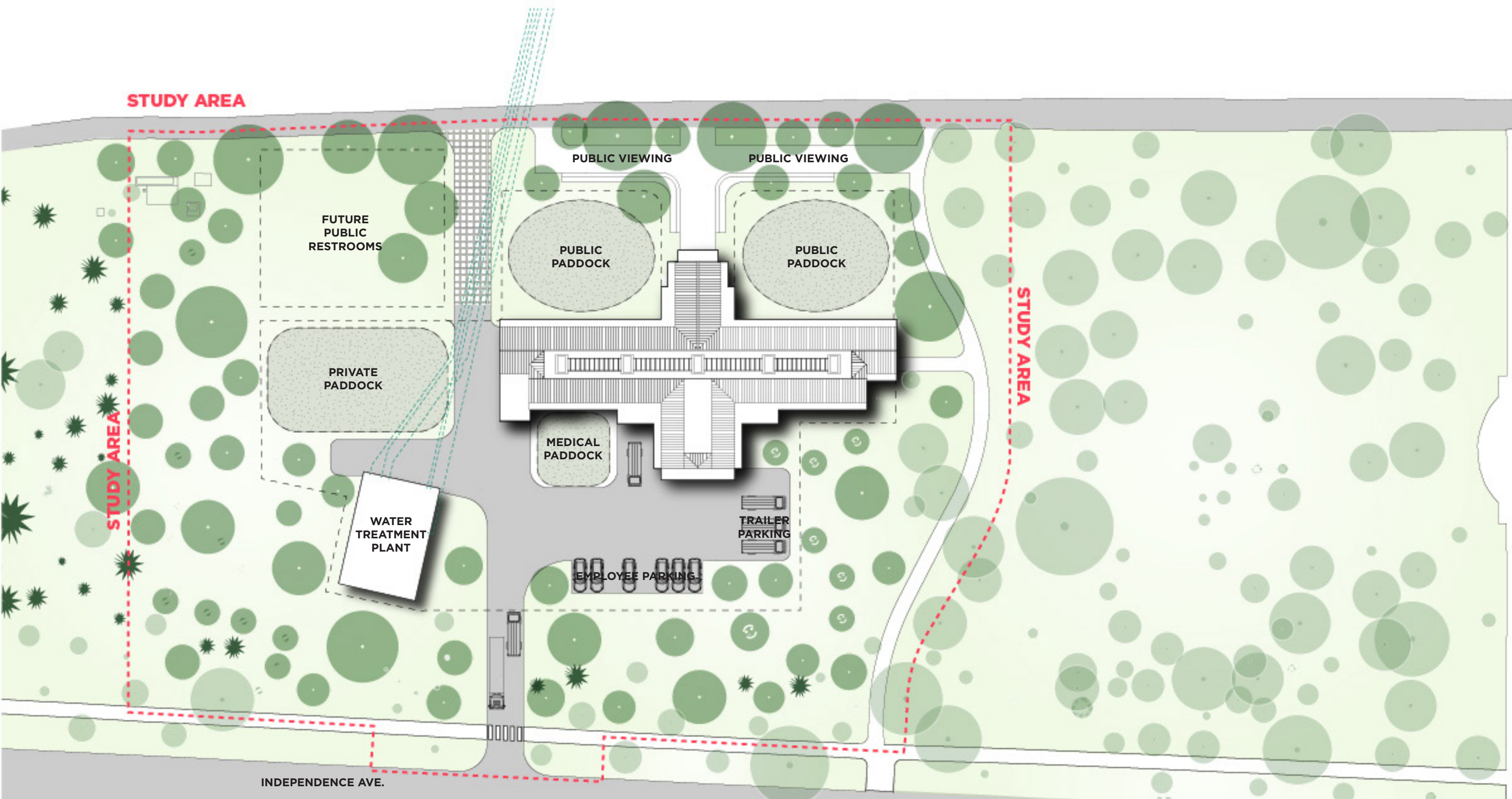
DC WAR  
MEMORIAL

ASH WOODS

EXISTING CONDITIONS

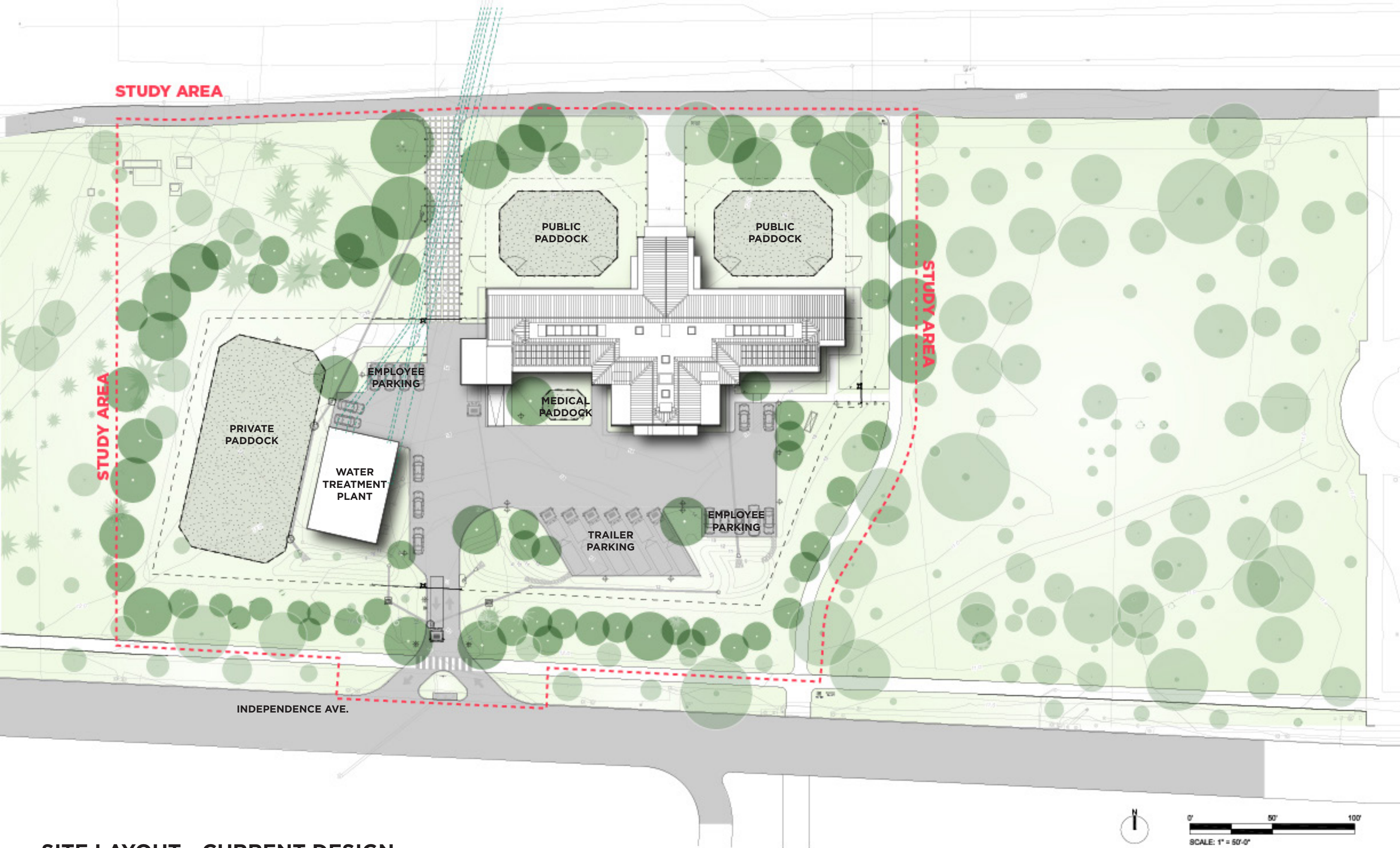






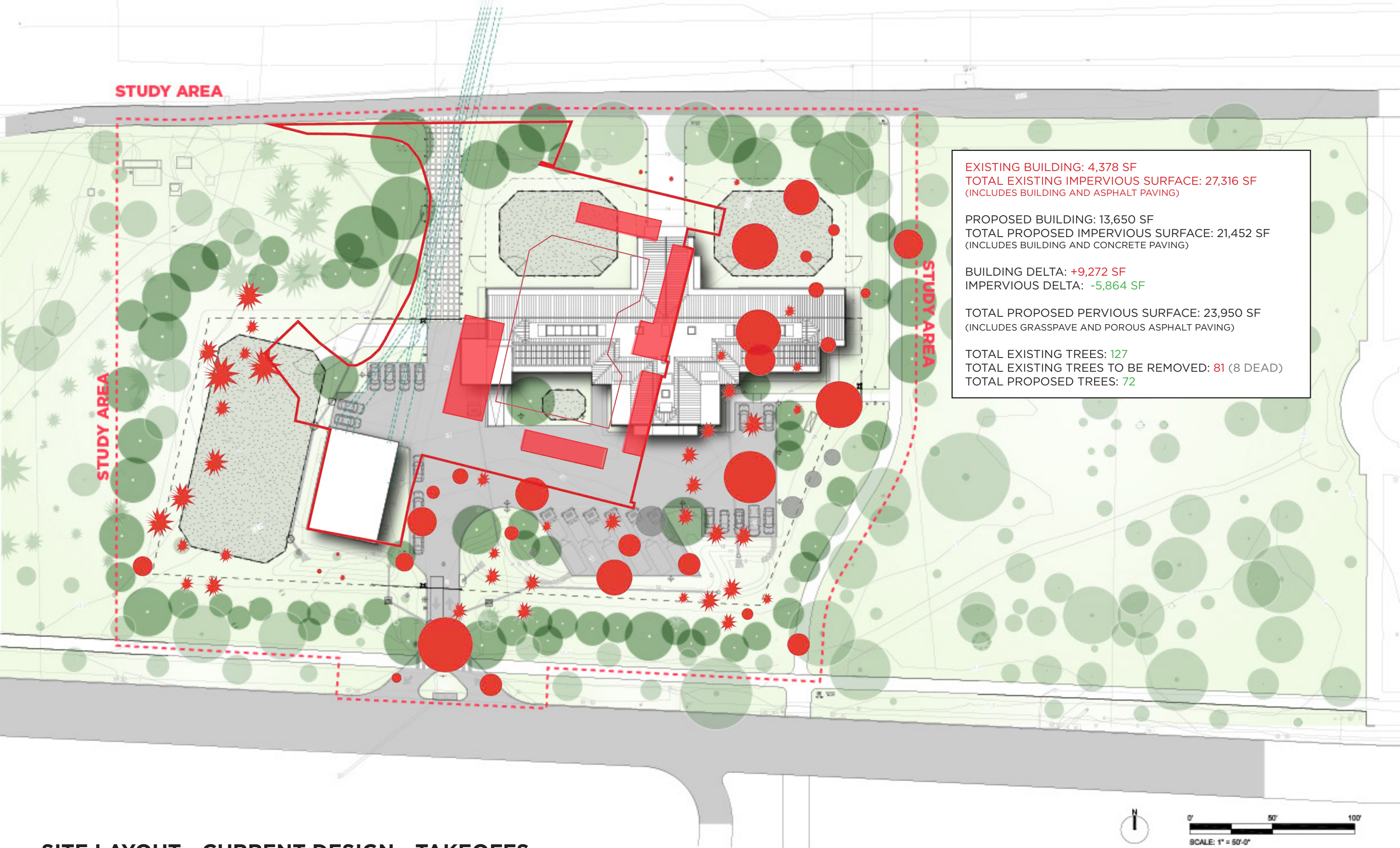
SITE LAYOUT AT CONCEPTUAL/SCHEMATIC DESIGN PHASE - MARCH 21, 2019





SITE LAYOUT - CURRENT DESIGN





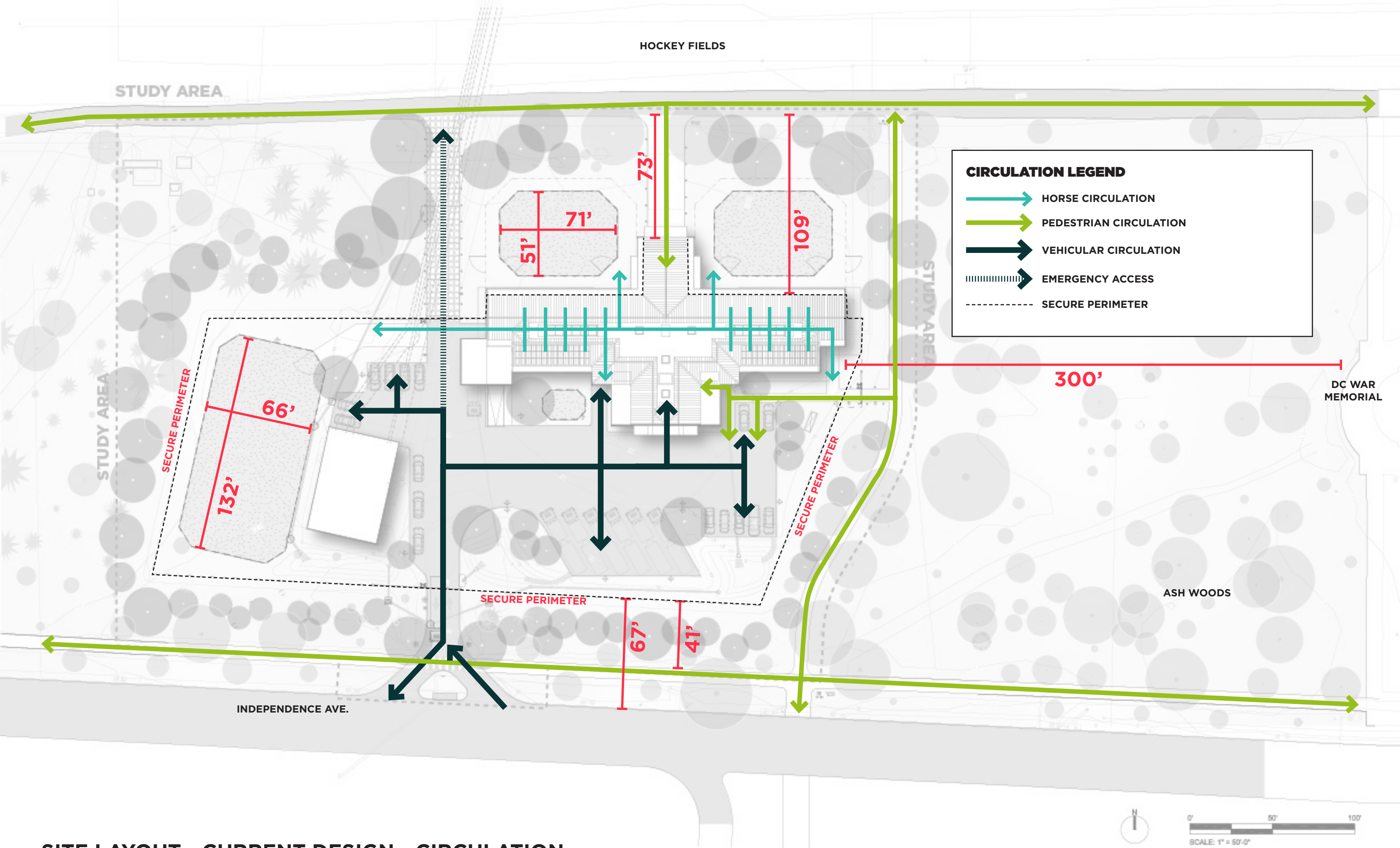
SITE LAYOUT - CURRENT DESIGN - TAKEOFFS





SELECTED BUILDING OPTION - SYMMETRICAL LAYOUT





SITE LAYOUT - CURRENT DESIGN - CIRCULATION





**SITE - ELEVATION FROM ASH ROAD**



**SITE - ELEVATION FROM INDEPENDENCE AVENUE**





**SITE - ELEVATION FROM DC WAR MEMORIAL**



**SITE - ELEVATION FROM KOREAN WAR MEMORIAL**





SITE - VIEW FROM ASH ROAD





**SITE - VIEW FROM INDEPENDENCE AVENUE**





SITE - VIEW FROM ASH ROAD





SITE - VIEW FROM INDEPENDENCE AVENUE





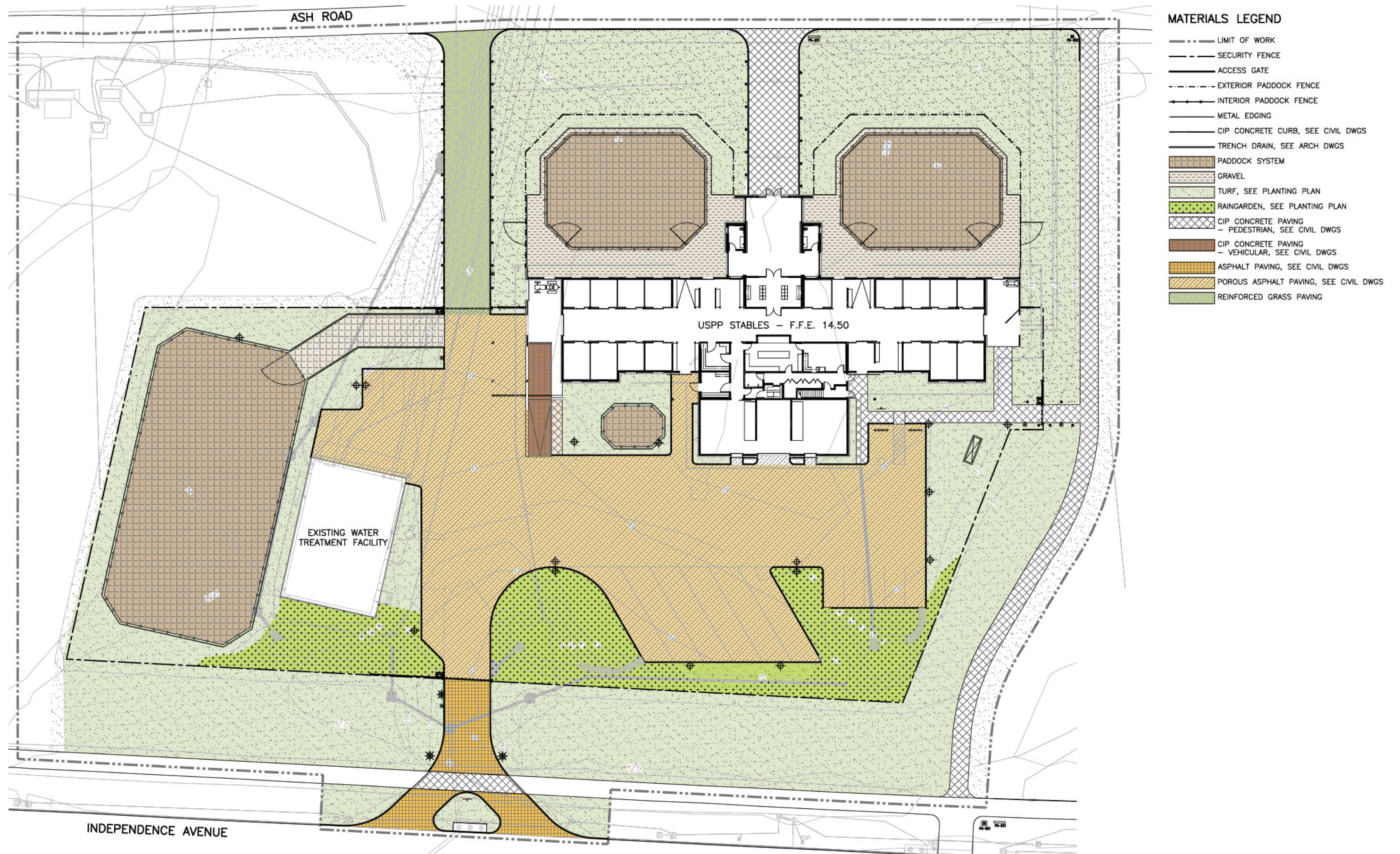
SITE - VIEW LOOKING TOWARDS WASHINGTON MONUMENT





SITE - VIEW LOOKING TOWARDS LINCOLN MEMORIAL





**SITE - MATERIALS PLAN**





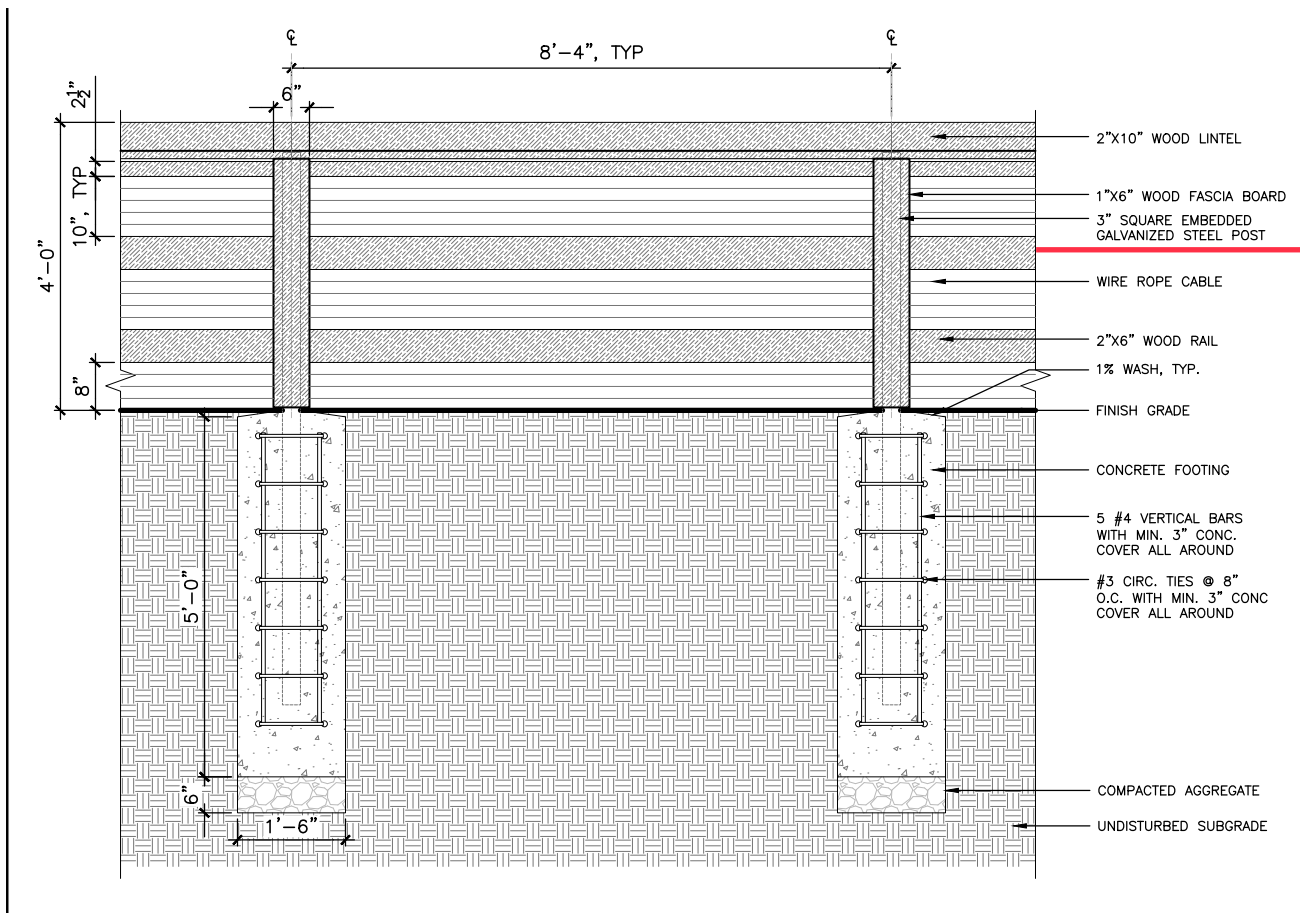
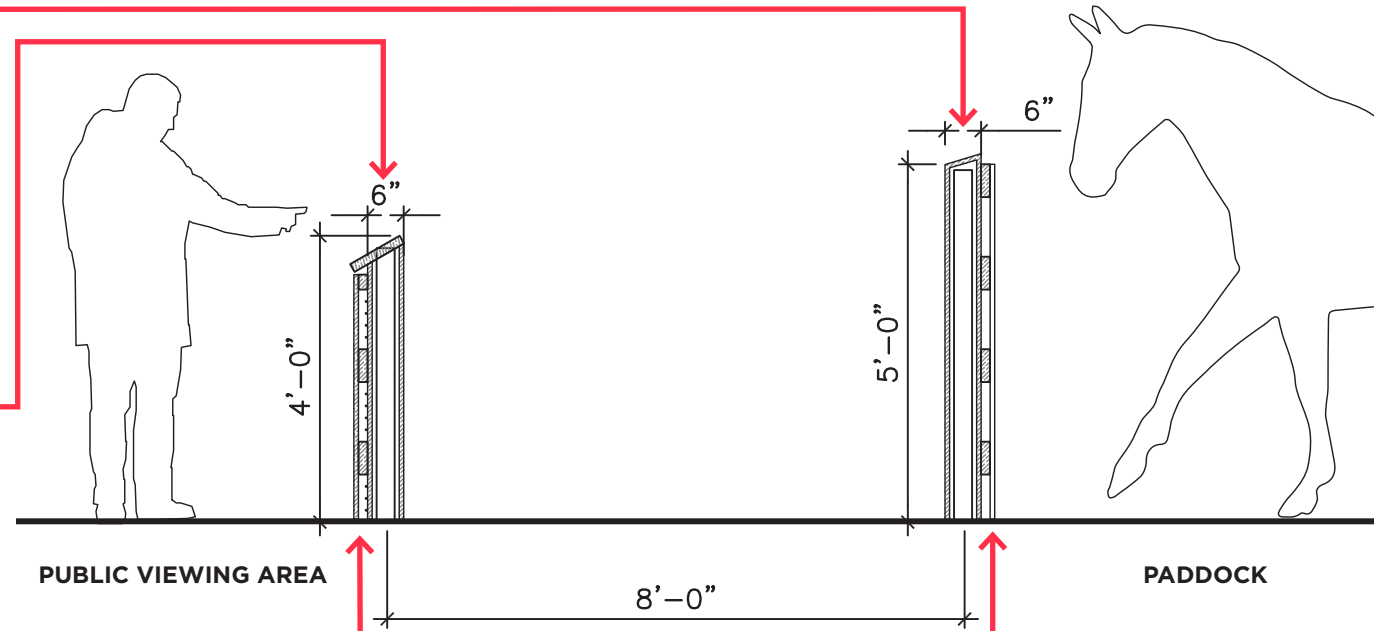




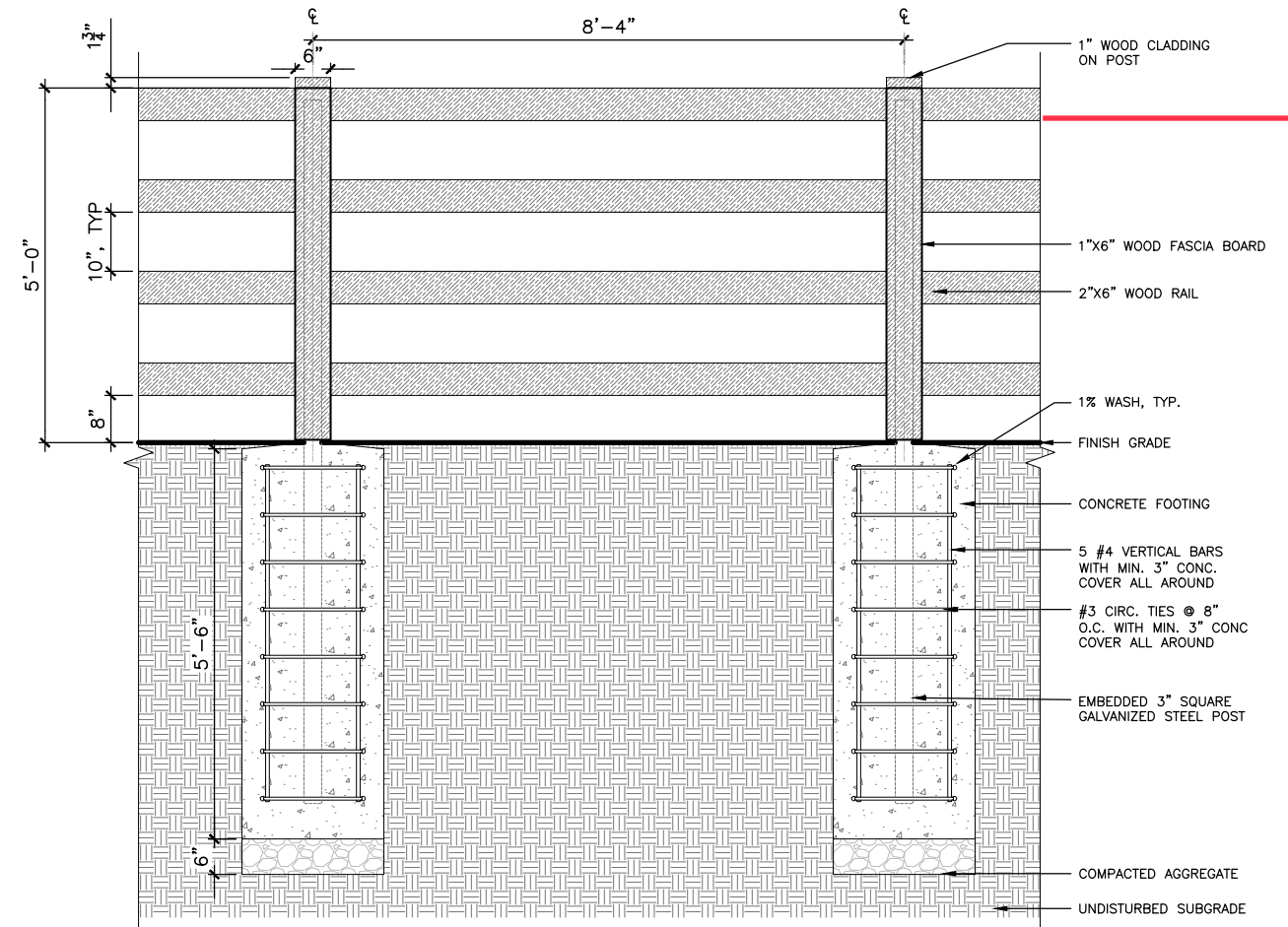
**WOOD FENCE**



**WOOD POSTS**



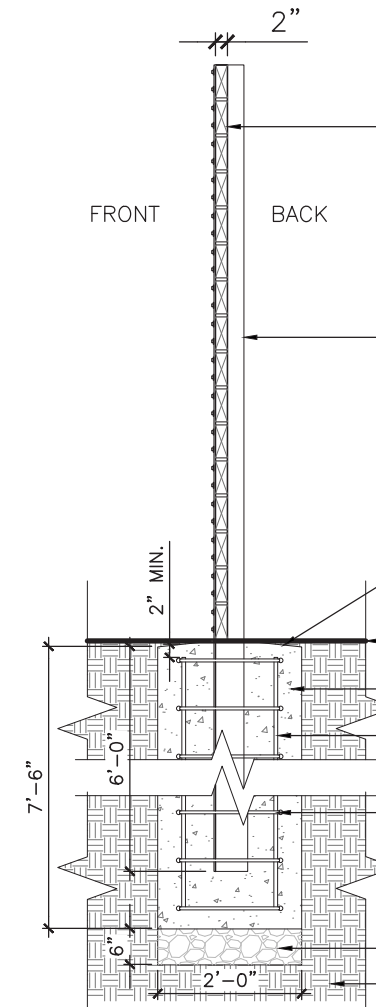
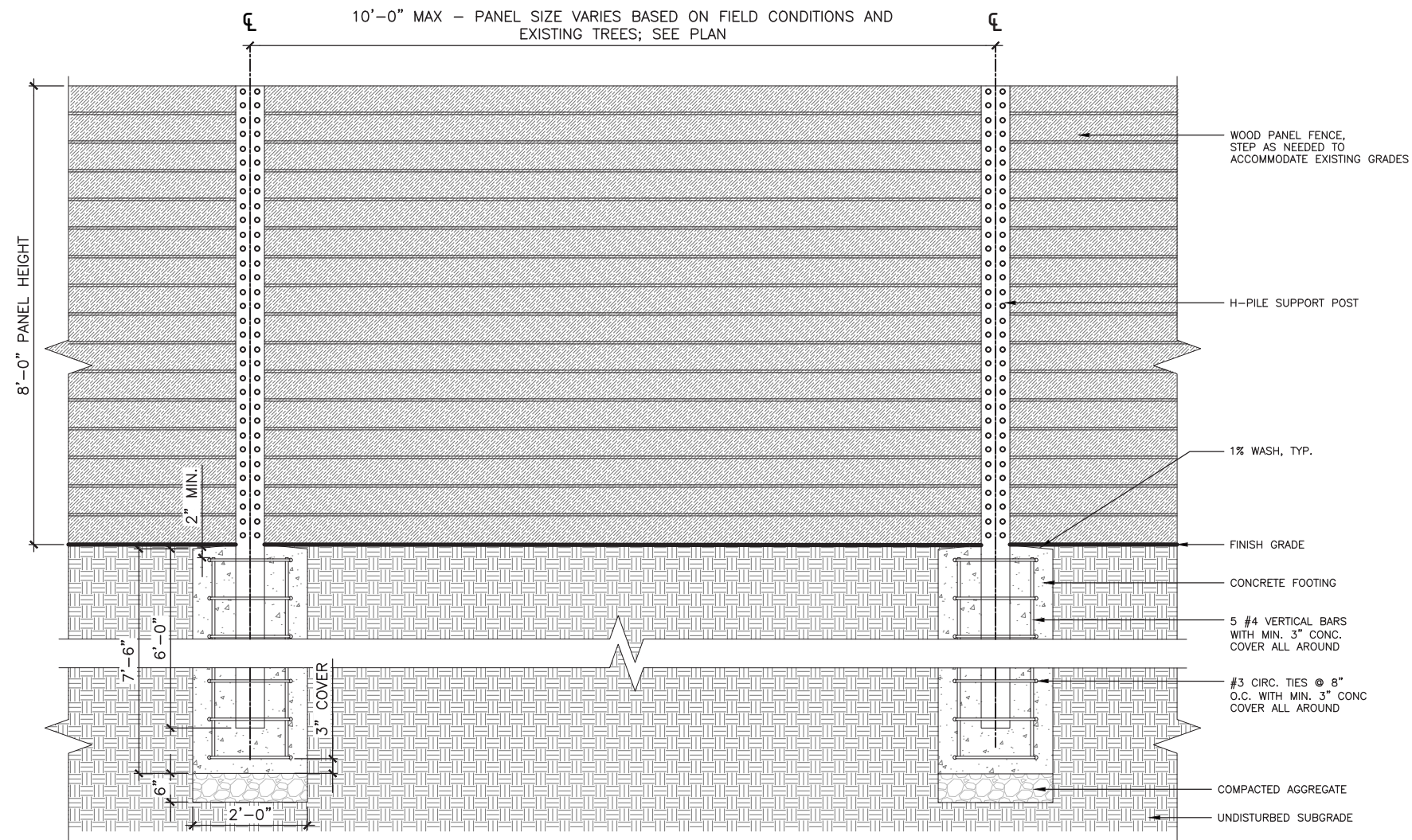
**EXTERIOR FENCE**



**INTERIOR FENCE**

## SITE - FENCING AT PADDOCKS





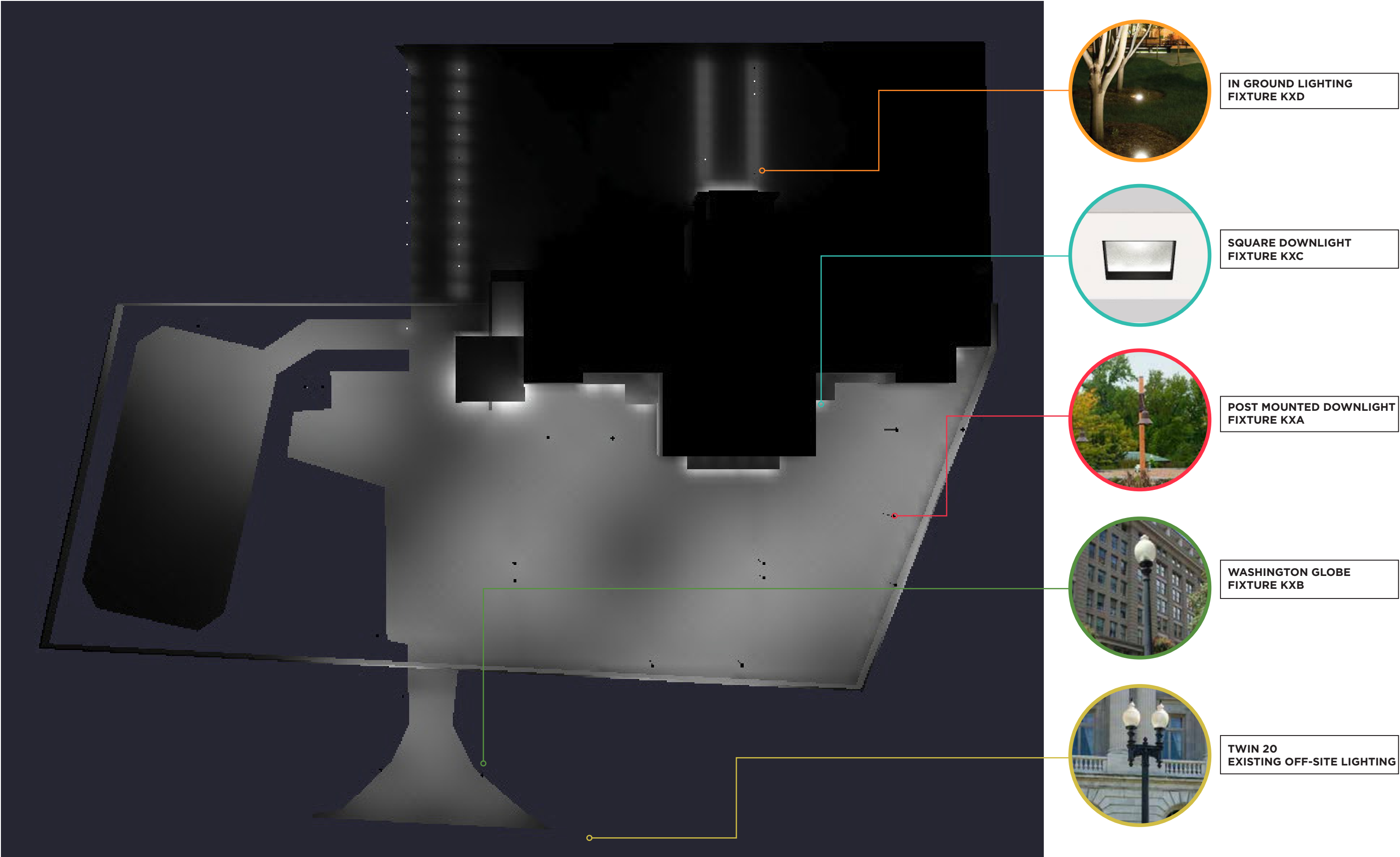
## SECURITY REQUIREMENTS

- 8' HEIGHT
- ANTI-CLIMB
- GAPLESS
- PROVIDES PRIVACY
- SIGNAGE ALONG FENCE TO BE PLACED EVERY 50' INDICATING "NO TRESPASSING" ZONE.
- SECURITY FENCE TO BE 10' CLEAR OF TREES OR CLIMBABLE STRUCTURES



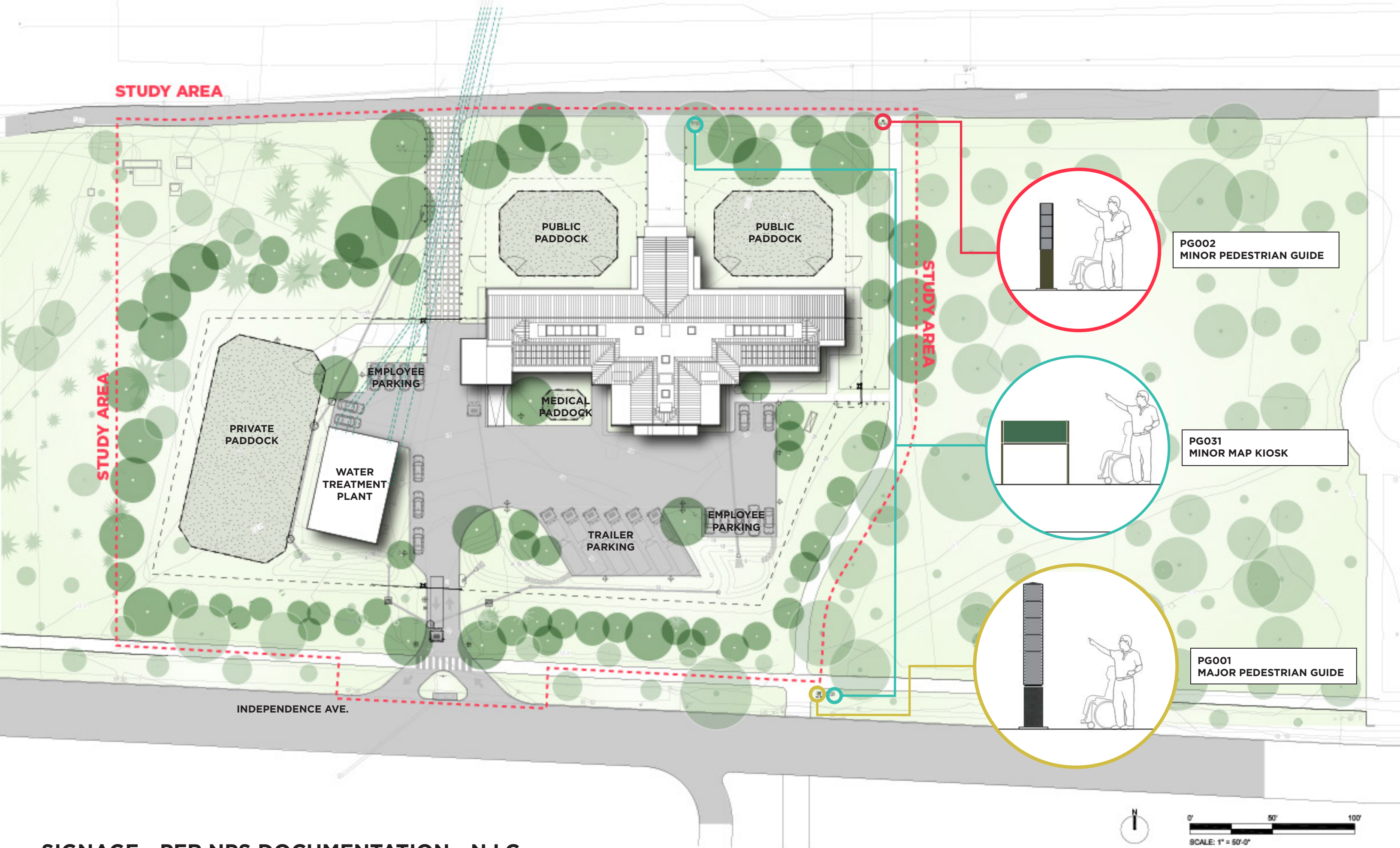
**SITE - FENCING AT PERIMETER**





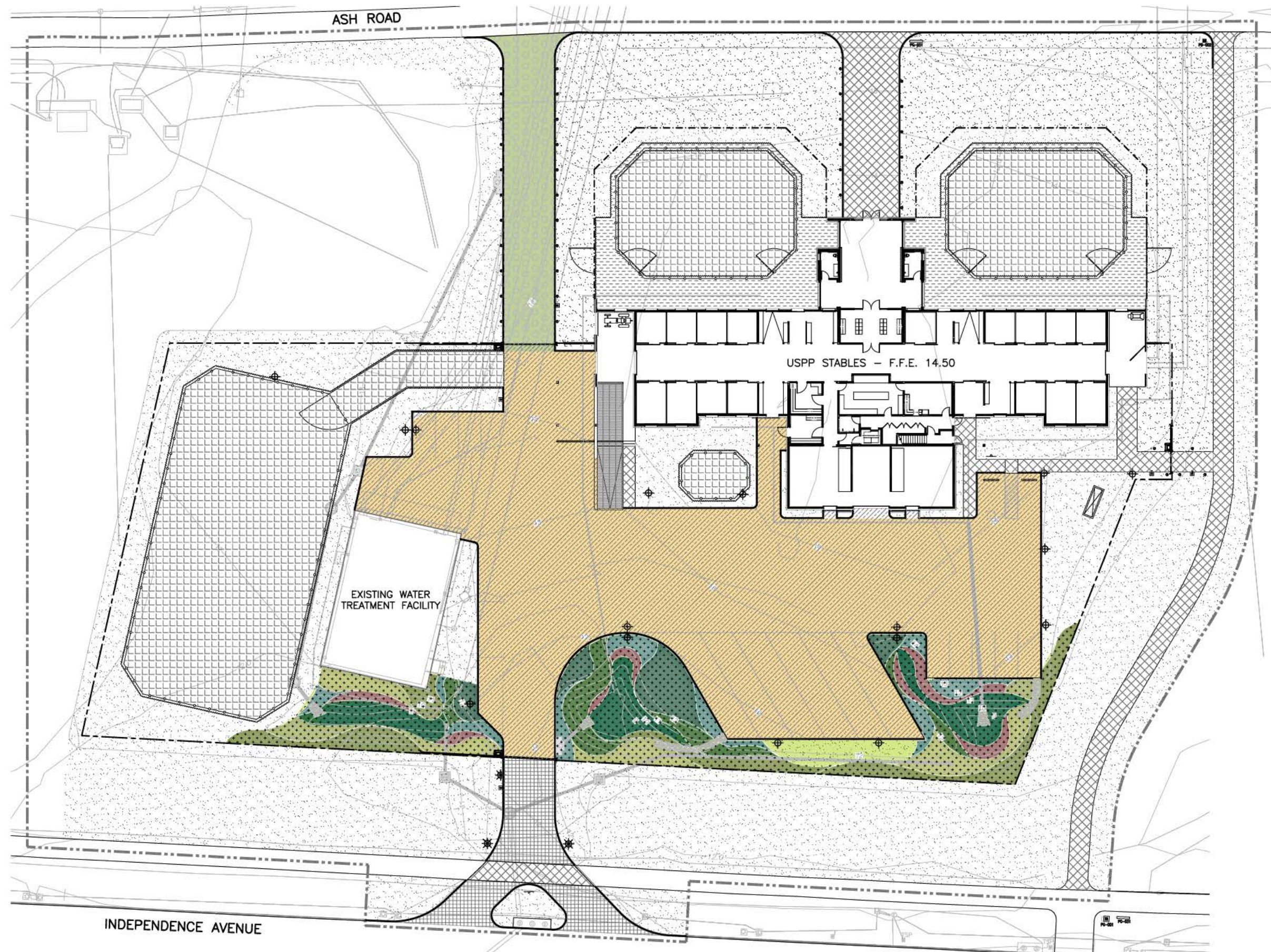
SITE - LIGHTING





**SIGNAGE - PER NPS DOCUMENTATION - N.I.C.**

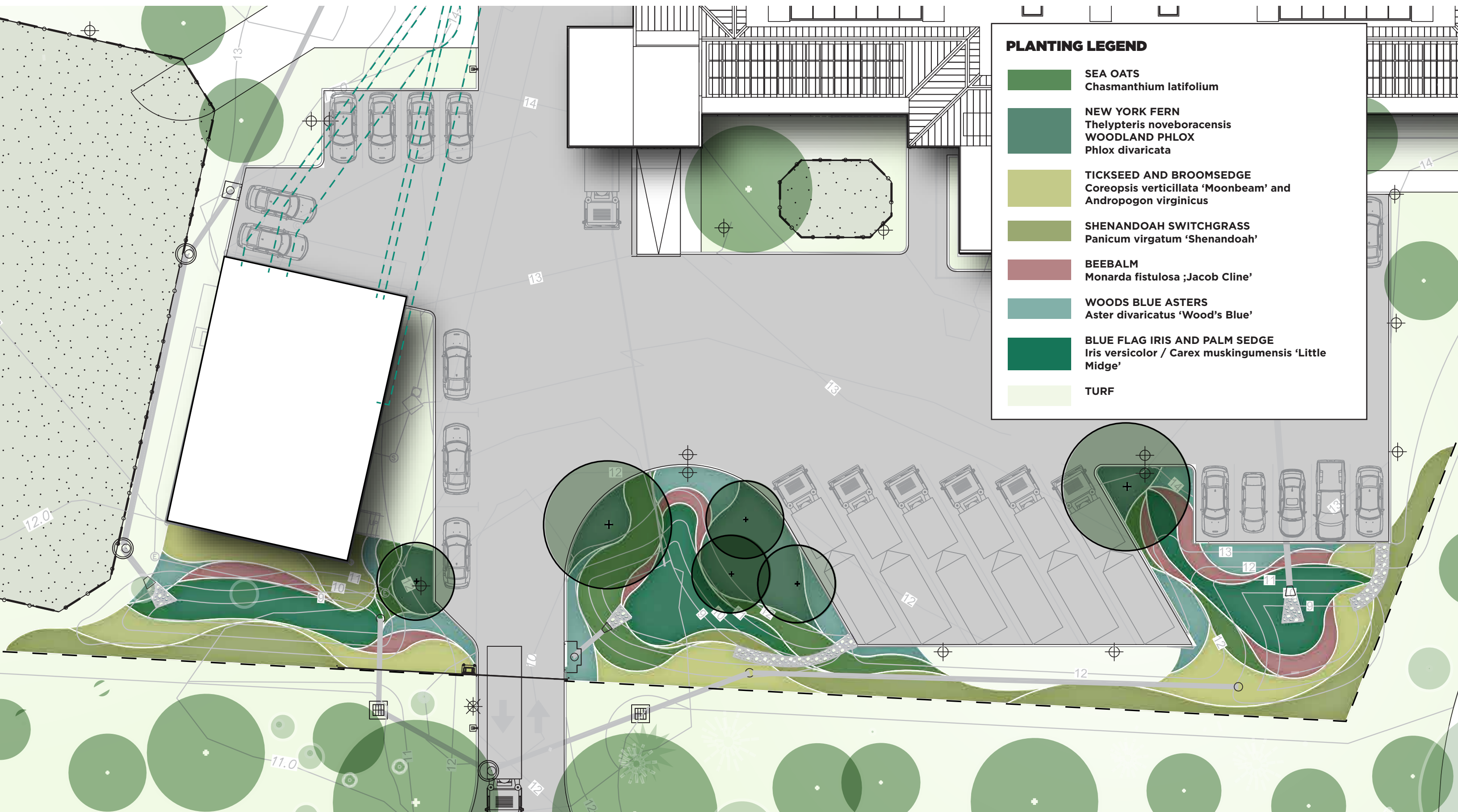




THE SITE IS REQUIRED TO MEET THE WASHINGTON DC DEPARTMENT OF ENERGY AND THE ENVIRONMENT (DOEE) STORMWATER STANDARDS SET FORTH IN THE 2013 NOTICE OF FINAL RULEMAKING: STORMWATER MANAGEMENT, AND SOIL EROSION AND SEDIMENT CONTROL. PER THESE REGULATIONS, A 1.2" STORMWATER RETENTION VOLUME (SWRV) MUST BE RETAINED ONSITE. PER OUR PROPOSED IMPERVIOUS AND COMPACTED LANDCOVER, THE SWRV IS 6,296 CUBIC FEET. THIS STORAGE REQUIREMENT WILL BE PROVIDED ONSITE BY UTILIZING THE VOID SPACE IN STONE UNDER POROUS ASPHALT AS WELL AS RAINGARDENS; BOTH OF WHICH ARE LOW-IMPACT DEVELOPMENT STRATEGIES. IN PROVIDING THIS ONSITE RETENTION WITH A 1.7" DESIGN STORM, POST-DEVELOPMENT FLOW FROM THE SITE IS REDUCED TO FAR LESS THAN PRE-DEVELOPMENT RATE BASED ON EXISTING HYDROLOGY AND EISA 438 IS MET.

## SITE - STORMWATER MANAGEMENT PLAN





**SITE - PLANTING PLAN - GROUNDCOVERS & PERENNIALS**





**SEA OATS**  
*Chasmanthium latifolium*



**NEW YORK FERN**  
*Thelypteris noveboracensis*



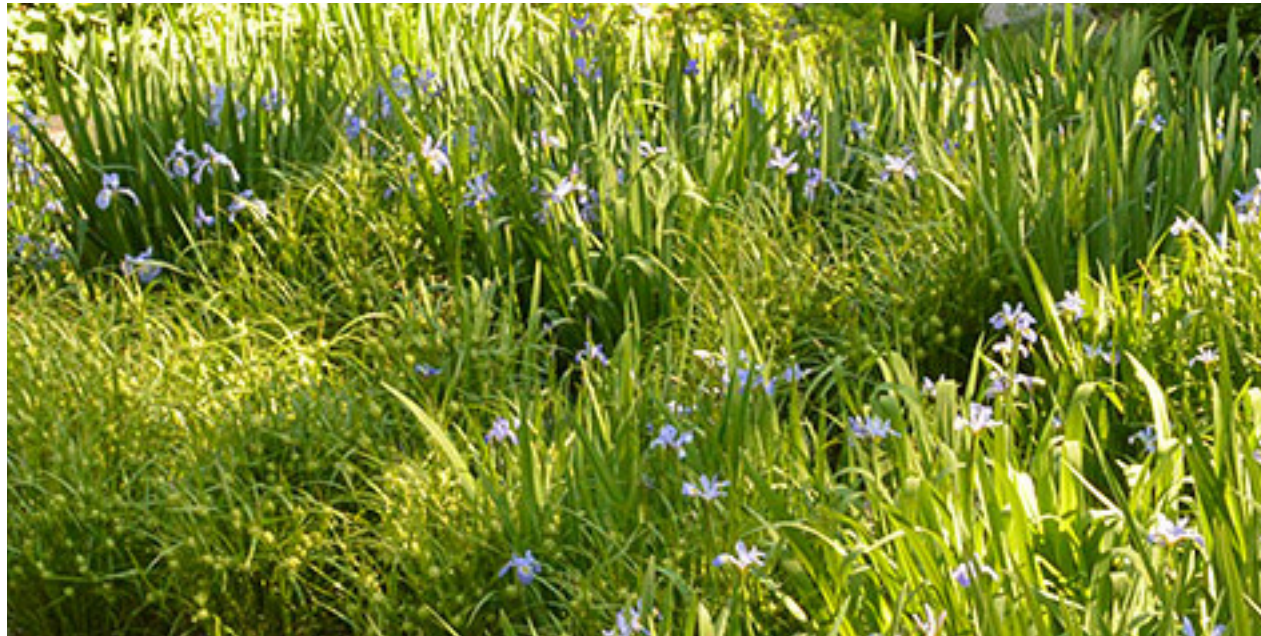
**WOODLAND PHLOX**  
*Phlox divaricata*



**SHENANDOAH SWITCHGRASS**  
*Panicum virgatum 'Shenandoah'*



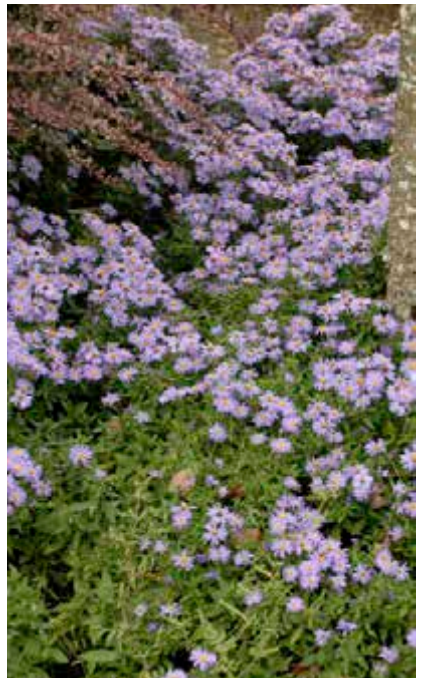
**TICKSEED AND BROOMSEGE**  
*Coreopsis verticillata 'Moonbeam' and Andropogon virginicus*



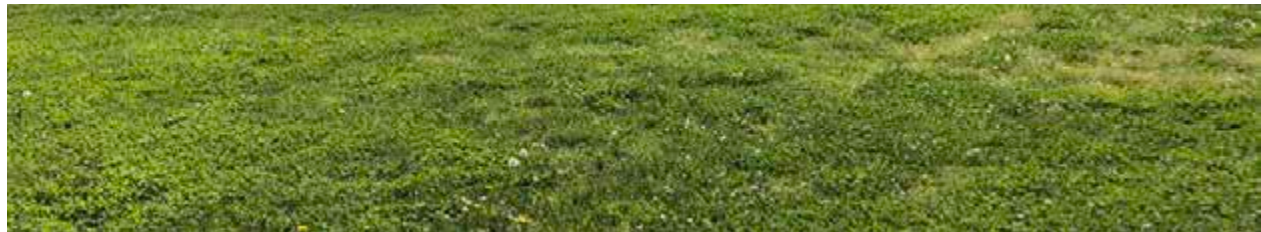
**BLUE FLAG IRIS AND PALM SEDGE**  
*Iris versicolor / Carex muskingumensis 'Little Midge'*



**BEEBALM**  
*Monarda fistulosa 'Jacob Cline'*



**WOODS BLUE ASTERS**  
*Aster divaricatus 'Wood's Blue'*



**TURF**

DRIFTS OF GRASSES PROVIDE TEXTURAL INTEREST AND SCREEN THE FENCE. THE FLOWERING PERENNIALS ARE VIGOROUS SPREADERS, CHOSEN TO BE LOW MAINTENANCE AND ADD POPS OF COLOR THROUGHOUT THE YEAR. CUT THE TALL GRASSES BACK IN LATE WINTER.

# **SITE - PLANTING PLAN - GROUNDCOVER & PERENNIAL SPECIES**









**AMERICAN ELM**  
*Ulmus americana* "Princeton"



**WILLOW OAK\***  
*Quercus phellos*



**CRIMSON SPIRE OAK\***  
*Quercus robur* x *Quercus alba*



**CRIMSON OAK\***  
*Quercus coccinea*



**AMERICAN BEECH**  
*Fagus grandifolia*



**SWEETGUM**  
*Liquidambar styraciflua*



**WHITE PINE**  
*Pinus strobus*



**SWEET BIRCH**  
*Betula lenta*



**RIVER BIRCH**  
*Betula nigra*



**FLOWERING DOGWOOD**  
*Cornus florida*



**EASTERN REDBUD**  
*Cercis Canadensis*



**AMERICAN HOLLY**  
*Ilex opaca*

**\*POTENTIALLY TOXIC TO HORSES: WILL BE PLANTED FAR FROM PADDOCKS**

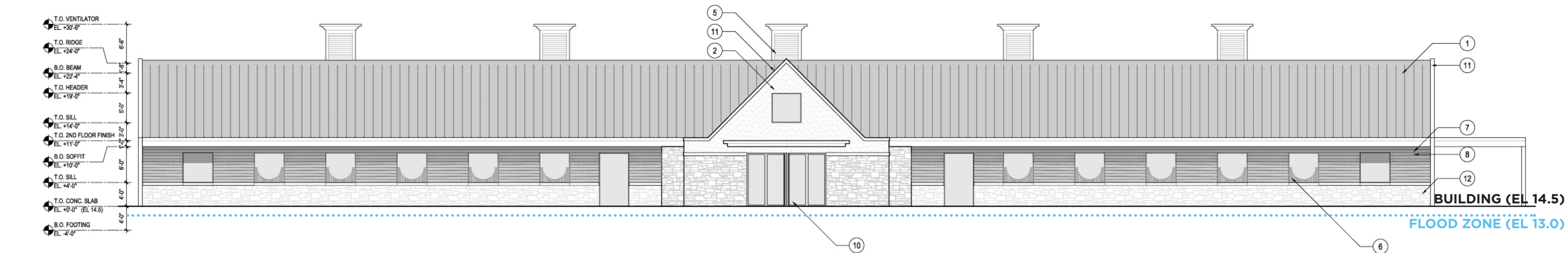
**SITE - PLANTING PLAN - TREE SPECIES**



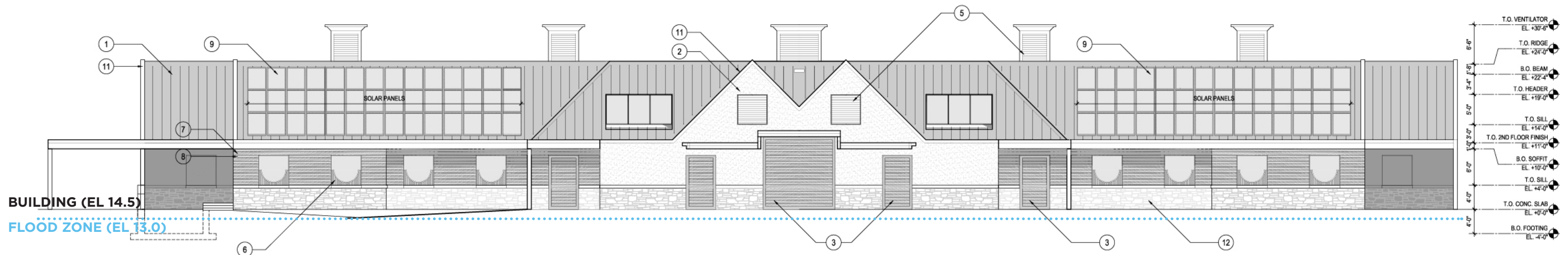


# THE BUILDING





1. NORTH ELEVATION

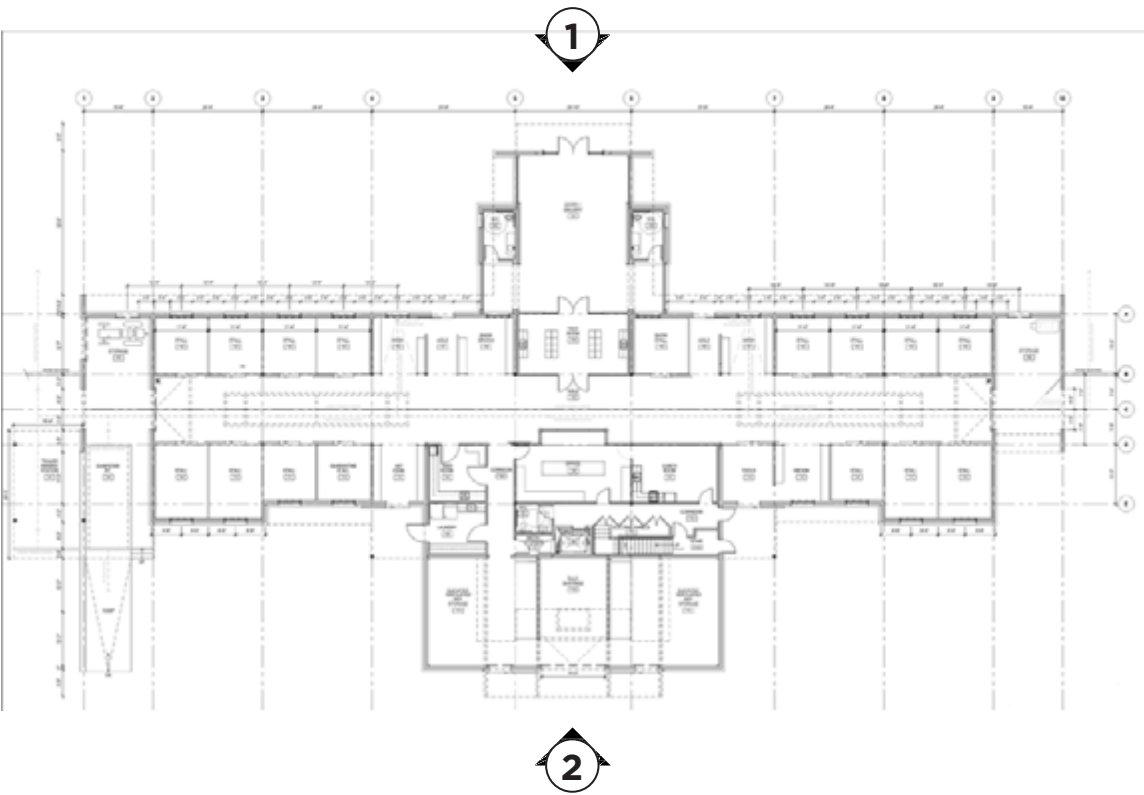


2. SOUTH ELEVATION

THE SITE IS LOCATED IN AN AREA CLASSIFIED AS A SIGNIFICANT FLOOD HAZARD AREA BY THE DISTRICT. DOEE REQUIRES THE BUILDING FINISHED FLOOR ELEVATION TO BE SET 1.5' ABOVE THE BASE FLOOD ELEVATION. ON OUR SITE, THAT IS BETWEEN 12.5 AND 13.0 ABOVE SEA LEVEL. OUR FINISHED FLOOR ELEVATION WAS SET AT 14.5' TO MEET THIS REQUIREMENT.

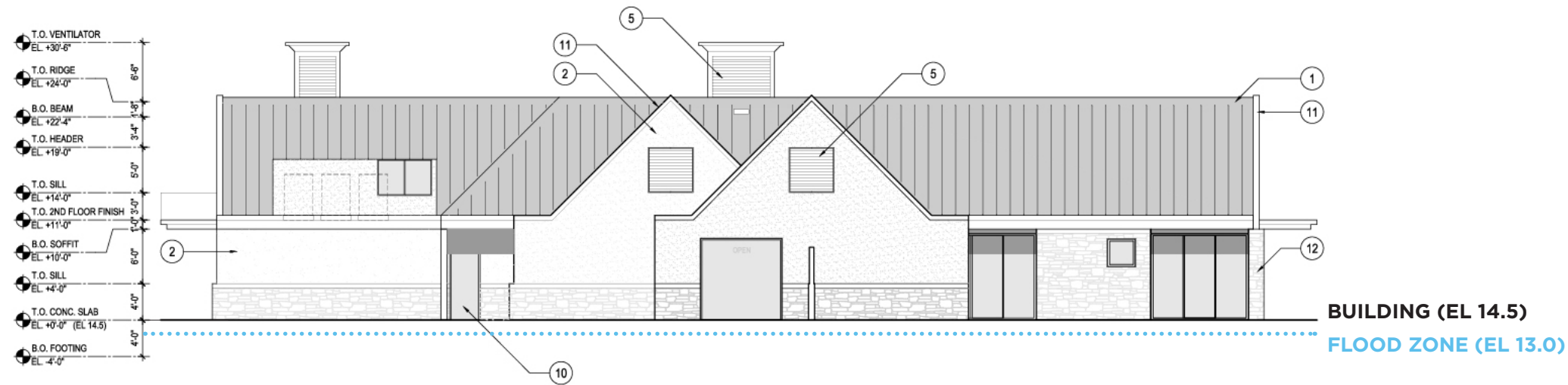
KEY NOTES:

1. STANDING SEAM ROOF - PAC-CLAD TITE-LOC PLUS - SMOOTH PANEL 22 GAUGE - KYNAR SLATE GRAY (07 41 00)
2. STUCCO
3. EXTERIOR OVERHEAD AUTOMATIC COILING SHUTTERS (0833 30)
4. WASCO CONTINUOUS BARREL VAULT SKYLIGHT TBVV-84 (08 62 00)
5. STORM PROOF EXTRUDED ALUMINUM VENT. (10 20 00)
6. CUSTOM WELDED  $\frac{3}{8}$ " THICK STAINLESS STEEL FRAME WITH 1" STAINLESS STEEL BAR YOKES AT EXTERIOR STALL OPENINGS.
7. 1.5" THICK O15. T&G CEDAR SIDING
8. FIBER CEMENT SIDING - NICHHA AWP-3030 VINTAGE WOOD PANEL
9. SOLAR PANEL
10. GLAZING - SEE WINDOW SCHEDULE
11. METAL COPING
12. 4" GRANITE VENEER SEMI-COURSE ASHLAR

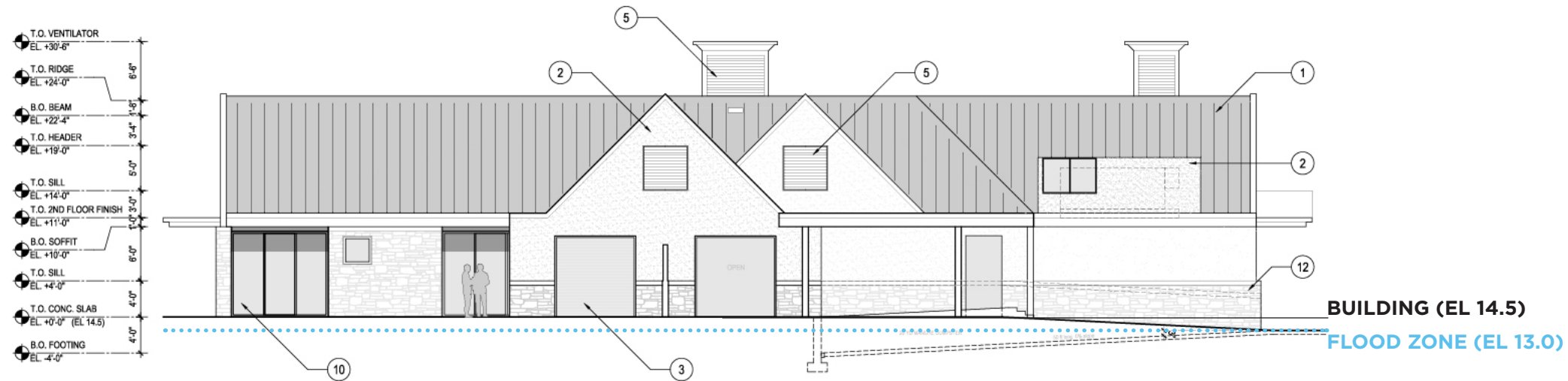


BUILDING - LAYOUT AND ELEVATIONS - CURRENT DESIGN





## 1. EAST ELEVATION

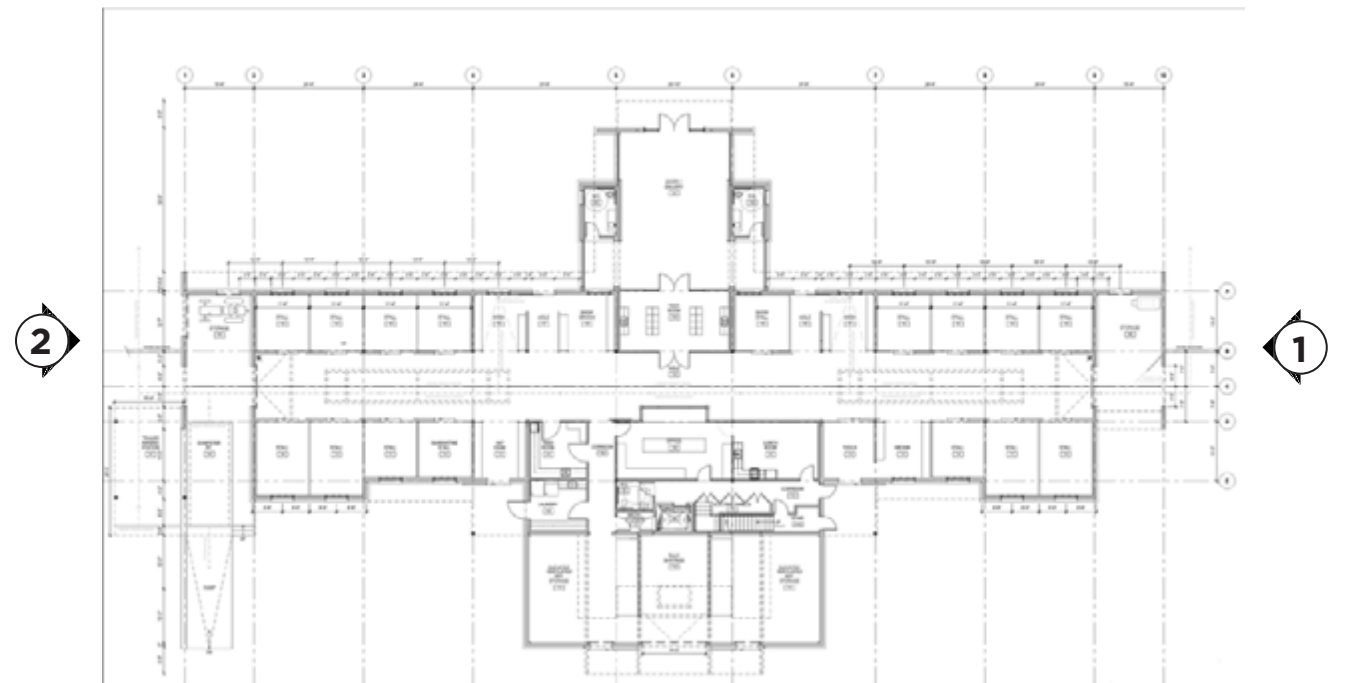


## 2. WEST ELEVATION

THE SITE IS LOCATED IN AN AREA CLASSIFIED AS A SIGNIFICANT FLOOD HAZARD AREA BY THE DISTRICT. DOEE REQUIRES THE BUILDING FINISHED FLOOR ELEVATION TO BE SET 1.5' ABOVE THE BASE FLOOD ELEVATION. ON OUR SITE, THAT IS BETWEEN 12.5 AND 13.0 ABOVE SEA LEVEL. OUR FINISHED FLOOR ELEVATION WAS SET AT 14.5' TO MEET THIS REQUIREMENT.

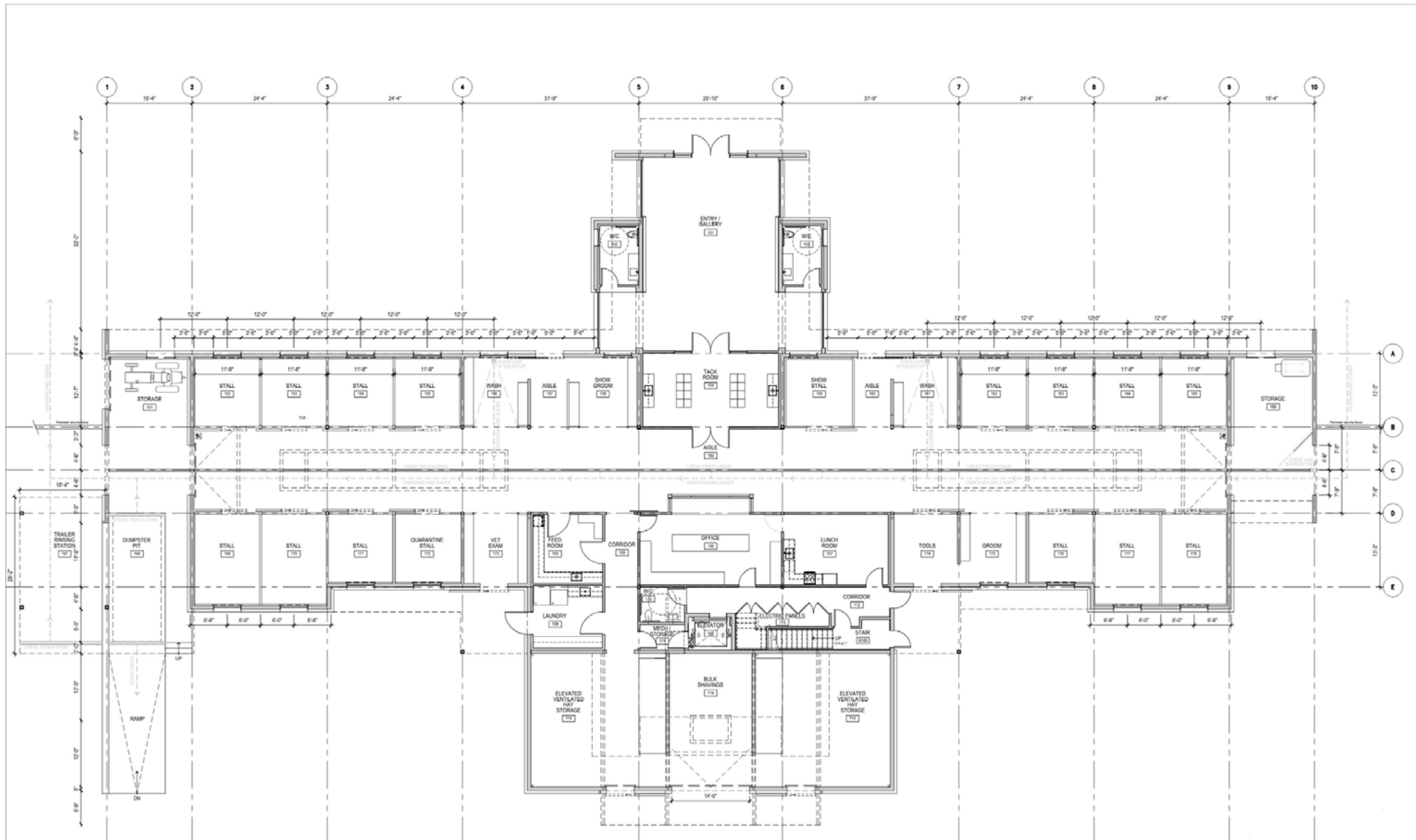
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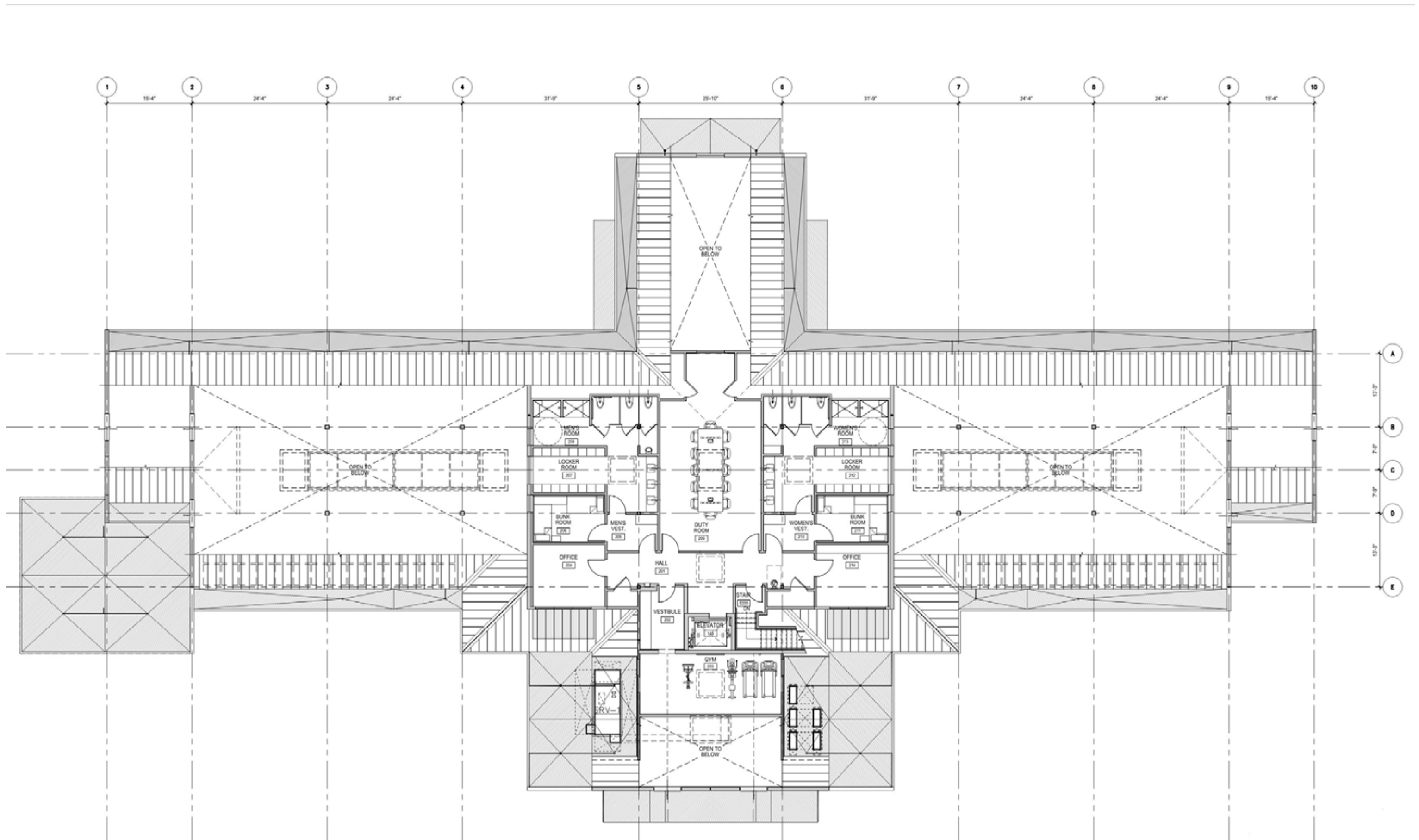
## BUILDING - LAYOUT AND ELEVATIONS - CURRENT DESIGN





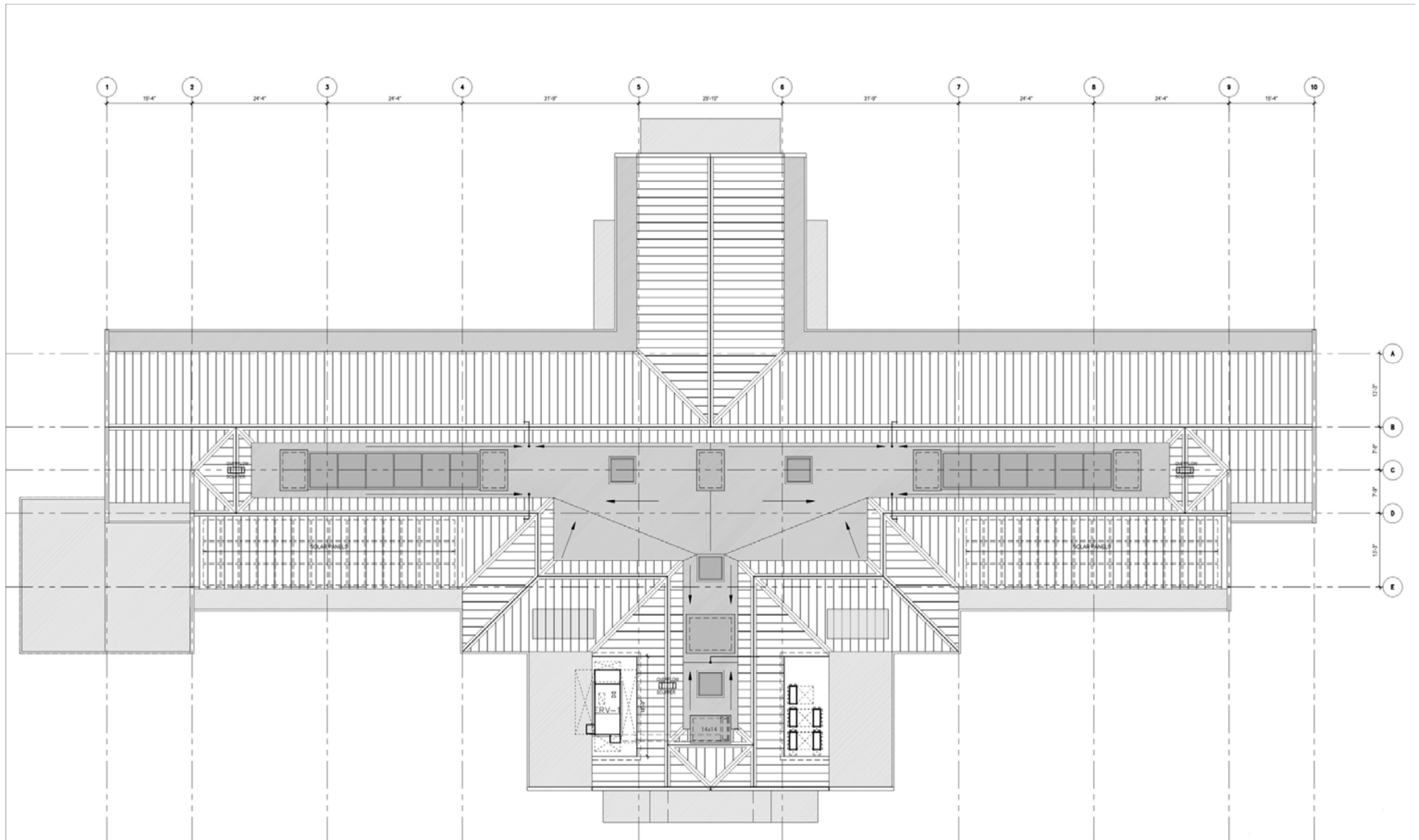
**BUILDING -FLOOR PLANS - CURRENT DESIGN - FIRST FLOOR**





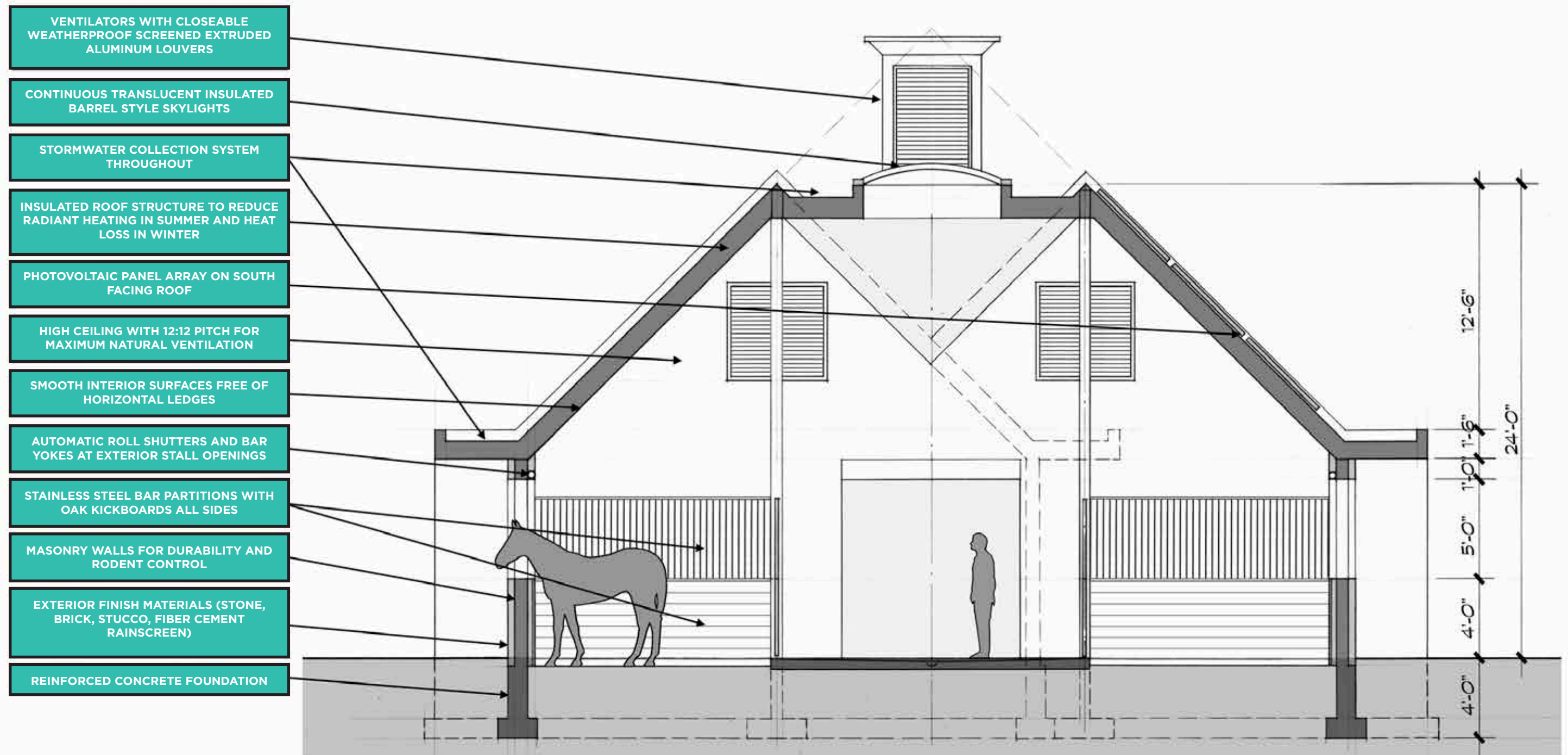
**BUILDING -FLOOR PLANS - CURRENT DESIGN -SECOND FLOOR**





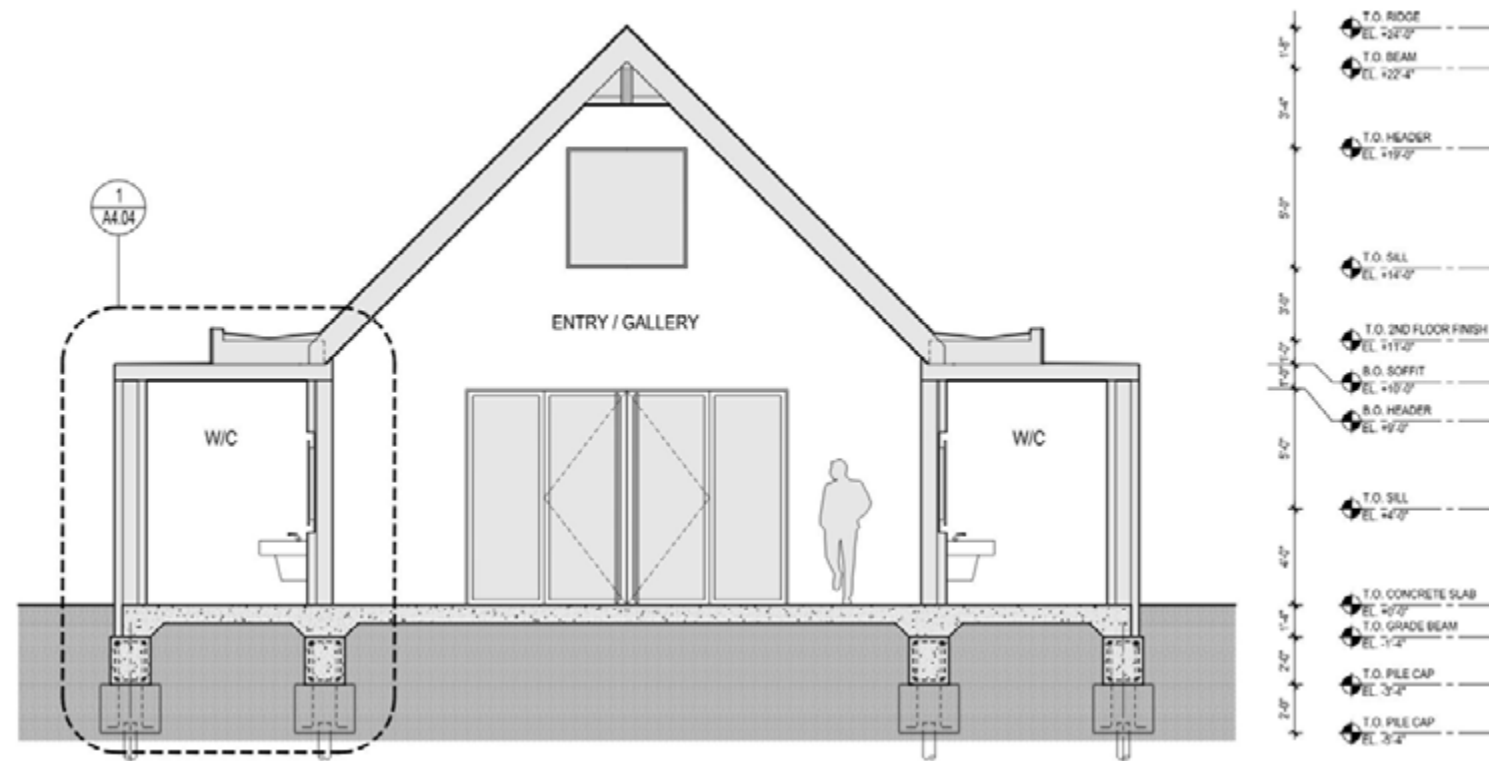
**BUILDING -FLOOR PLANS - CURRENT DESIGN - ROOF**



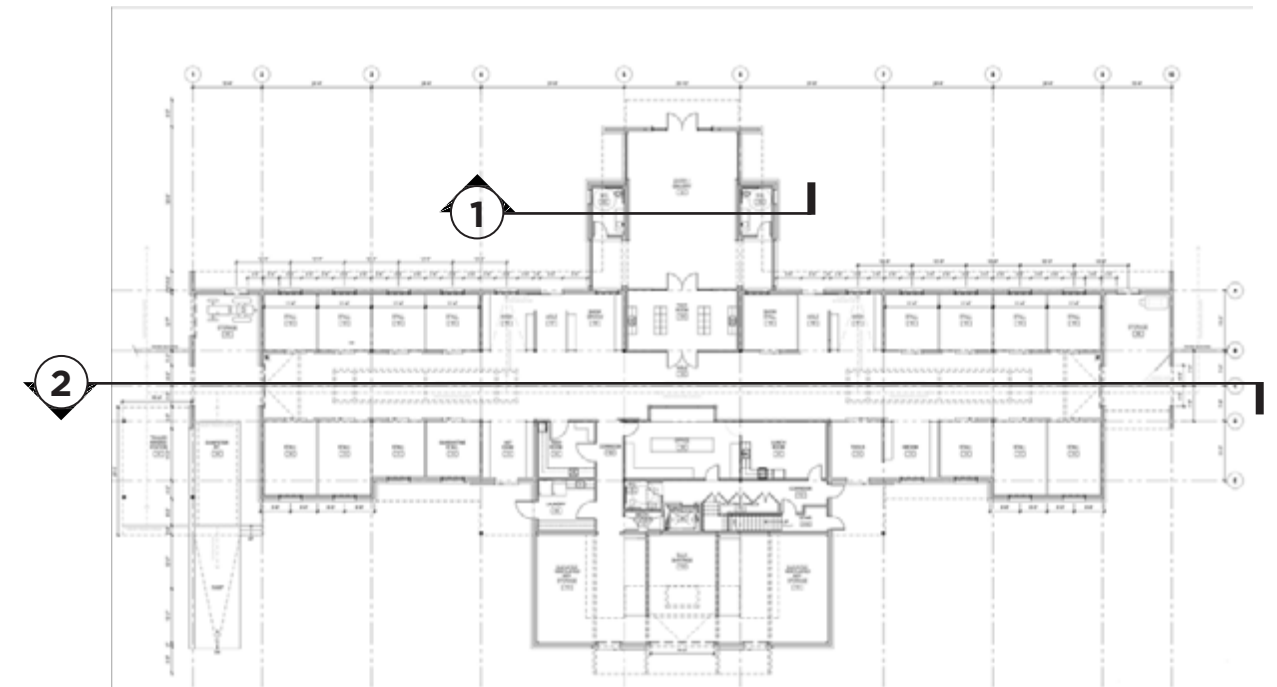


**BUILDING - SECTION AT STALLS - APPROVED MARCH 21, 2019**





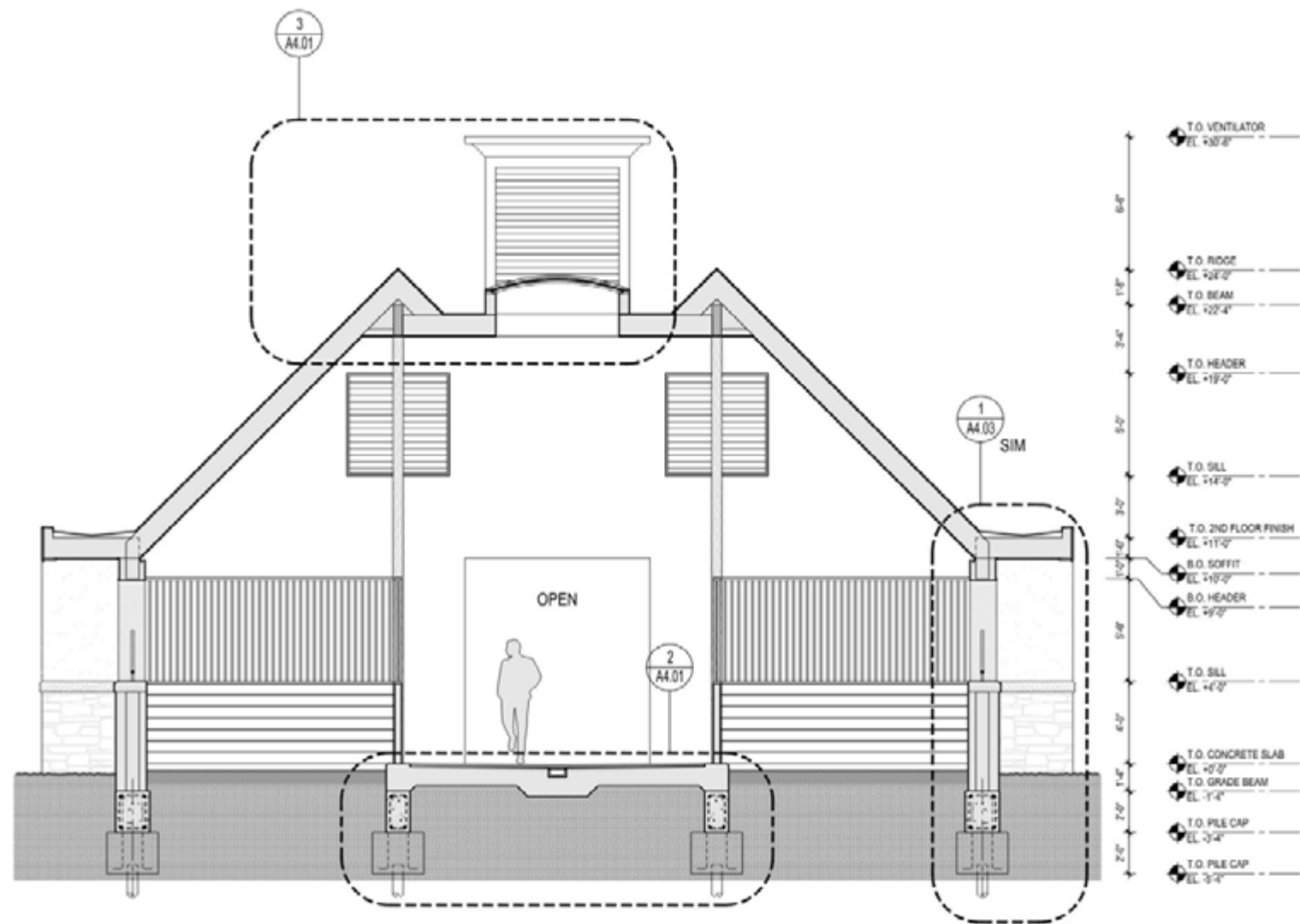
1. BUILDING SECTION



2. BUILDING SECTION

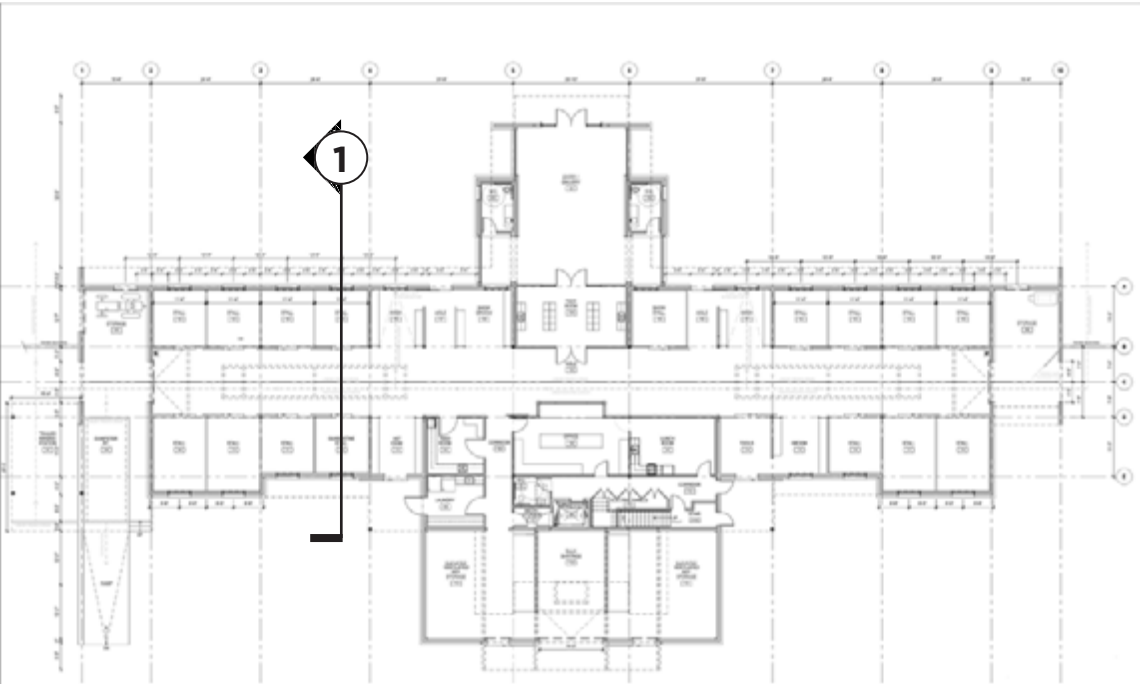
BUILDING - CROSS SECTION



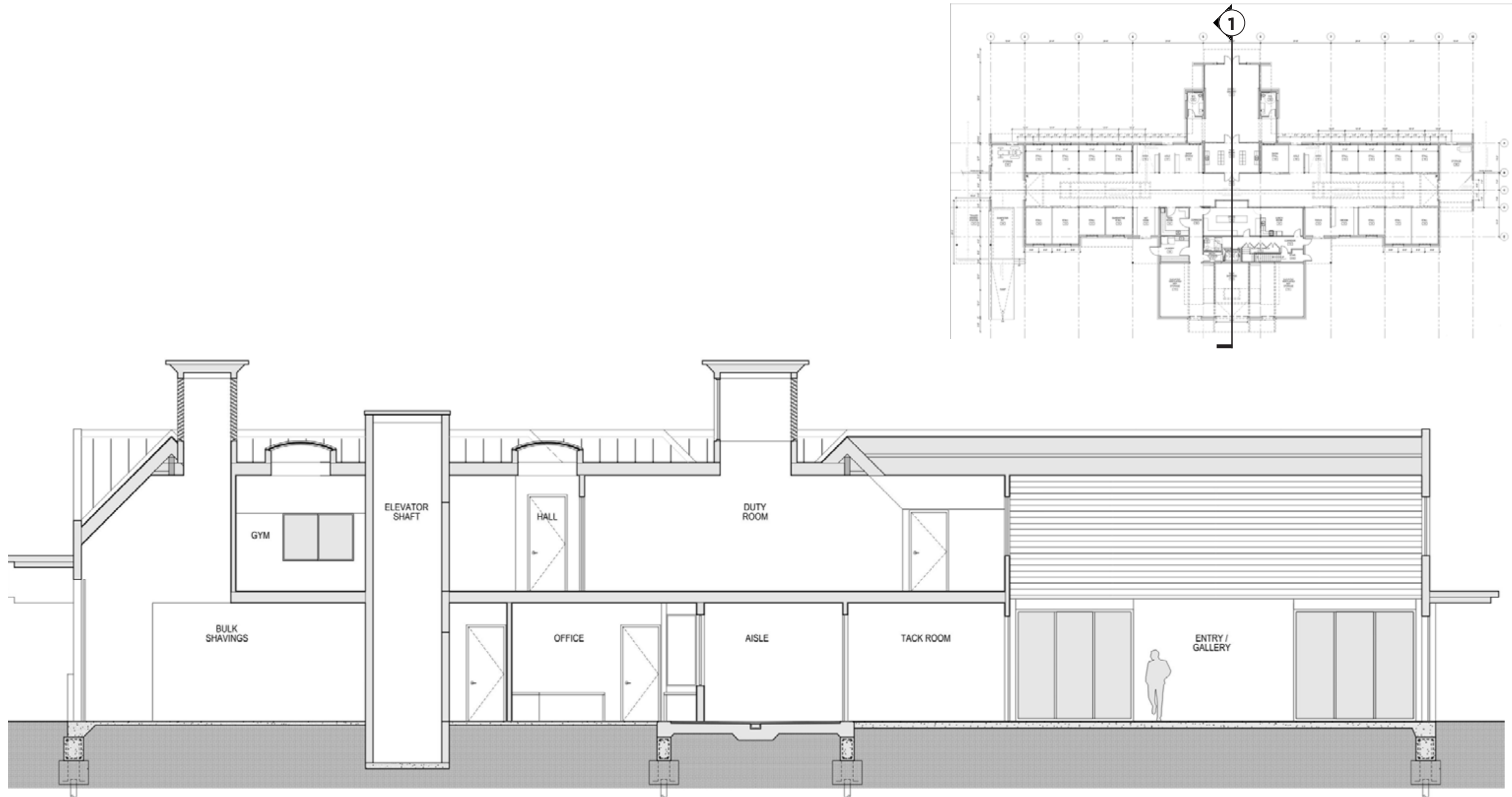


1. BUILDING SECTION

BUILDING - CROSS SECTION



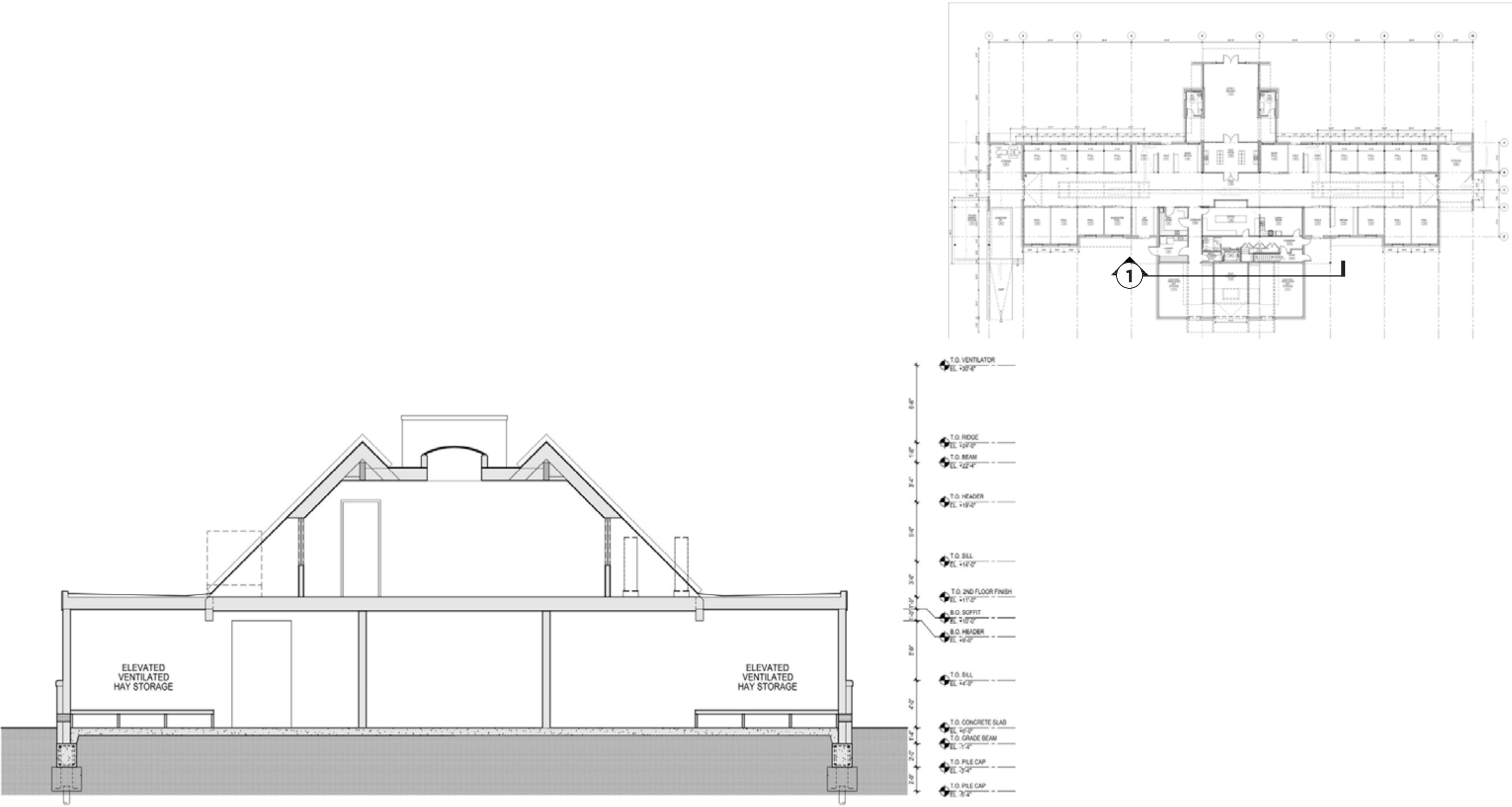




1. BUILDING SECTION

BUILDING - CROSS SECTION









**BUILDING - MODEL - VIEW FROM THE NORTHEAST**





**BUILDING - MODEL - VIEW FROM NORTHWEST**





**BUILDING - MODEL - VIEW FROM THE SOUTHWEST**





**BUILDING - MODEL - VIEW FROM SOUTHEAST**





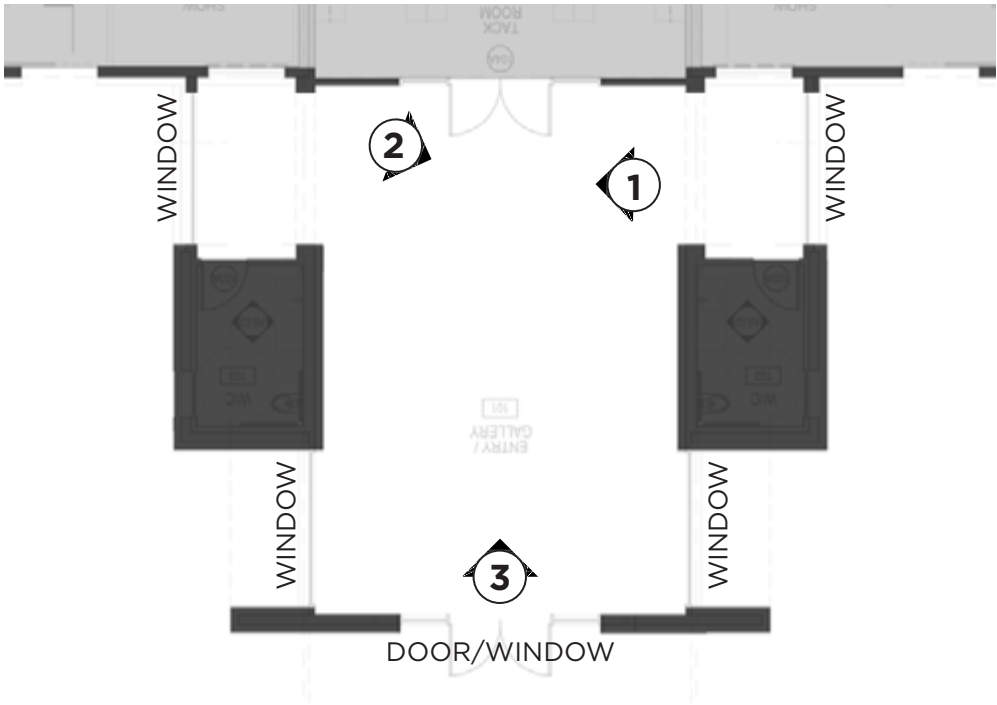
**BUILDING - EXHIBIT SPACE**





1. VIEW LOOKING EAST OF EXHIBIT SPACE

BUILDING - EXHIBIT SPACE



POSITIVE / NEGATIVE SPACE DIAGRAM





**2. VIEW LOOKING WEST OF EXHIBIT SPACE**

**BUILDING - EXHIBIT SPACE**

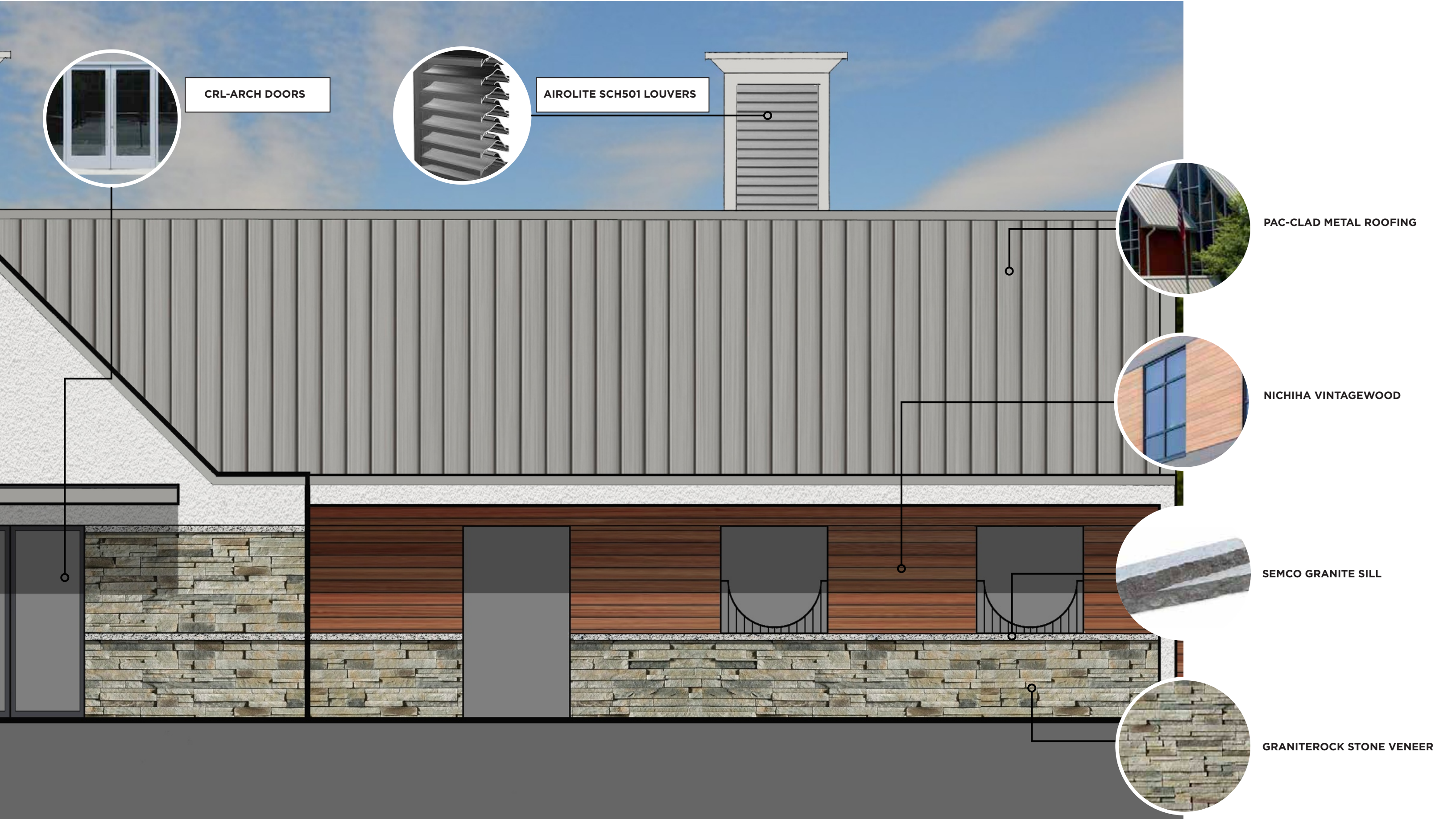




**3. VIEW LOOKING FROM EXHIBIT ENTRY**

**BUILDING - EXHIBIT SPACE**





CRL-ARCH DOORS

AIROLITE SCH501 LOUVERS

PAC-CLAD METAL ROOFING

NICHIHA VINTAGEWOOD

SEMCO GRANITE SILL

GRANITEROCK STONE VENEER

**BUILDING - EXTERIOR MATERIALS**





**IPE WOOD SIDING OVER SEMI-COURSED LIMESTONE MIX WITH TIGHT JOINTS AND SPLIT-FACE LIMESTONE COPING**



**MAHOGANY WOOD SIDING OVER SEMI-COURSED VARIEGATED GRANITE WITH TIGHT JOINTS AND SPLIT-FACE LIMESTONE COPING**



**TEAK WOOD SIDING OVER SEMI-COURSED GRANITE FIELDSTONE MIX WITH MORTARED JOINTS AND SPLIT-FACE GRANITE COPING**



**HIGH PERFORMANCE MODIFIED WOOD SIDING (COLOR TBD) OVER SEMI-COURSED GREY GRANITE MIX WITH TIGHT JOINTS AND SPLIT-FACE GRANITE COPING**

**BUILDING - EXTERIOR MATERIALS - ADDITIONAL OPTIONS**





# U.S. PARK POLICE STABLES

US Commission of Fine Arts Review  
Final Design  
May 7, 2020