Tree Canopy along the Causeway

EXISTING

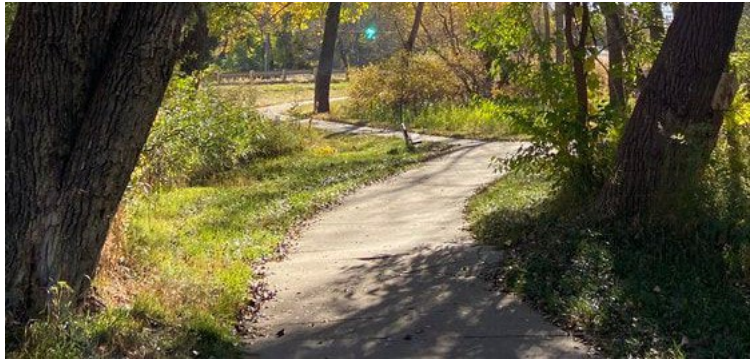
- Poor growing conditions = stunted growth
- Within existing shoreline revetment (rocks)
- Providing minimal shading to path users
- Do not provide barrier between path & roadway
- Not optimal species

PROPOSED

- Better growing conditions for all tree plantings = deeper, wider soil
- Terrace Support System under path for additional root space without heaving path
- Tree Trenches to capture stormwater for street = passive irrigation, improved water quality
- Grove-style tree plantings for dense canopy
- Trees between path & roadway to provide barrier, slow vehicle traffic = urbanize corridor

Pathway Alignment

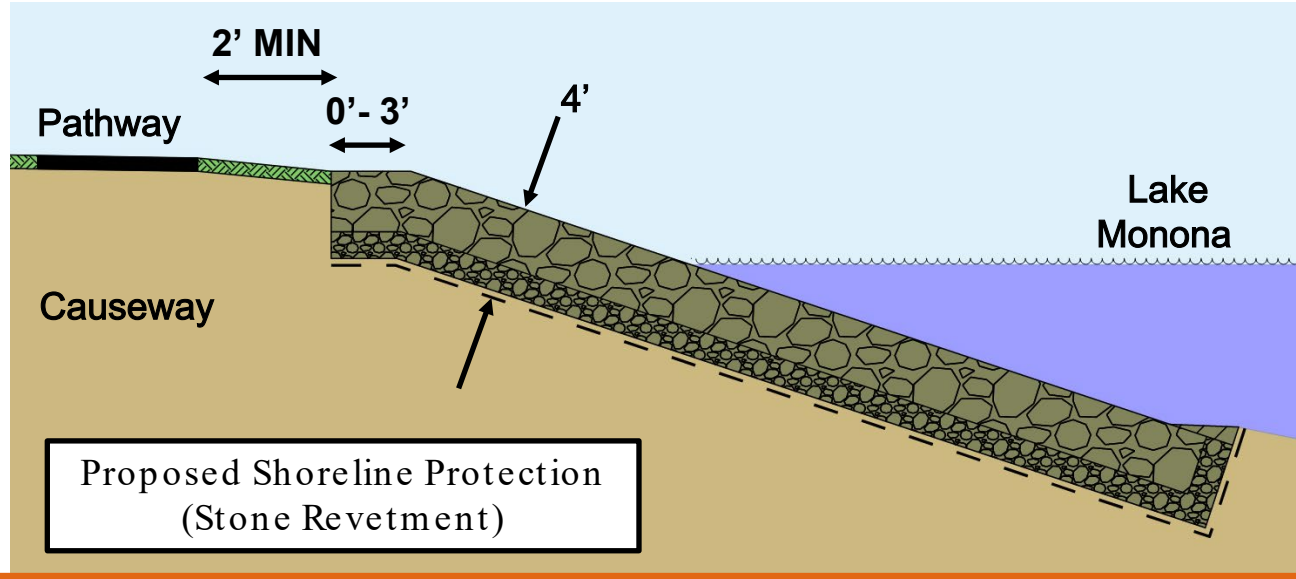
Existing Condition and Strategy



Trees (Removal, Prevention, & Replanting)

Existing Causeway Trees

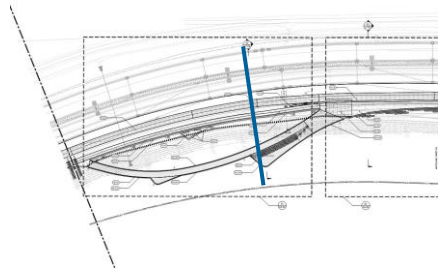
Existing Pathway Near Monona Terrace

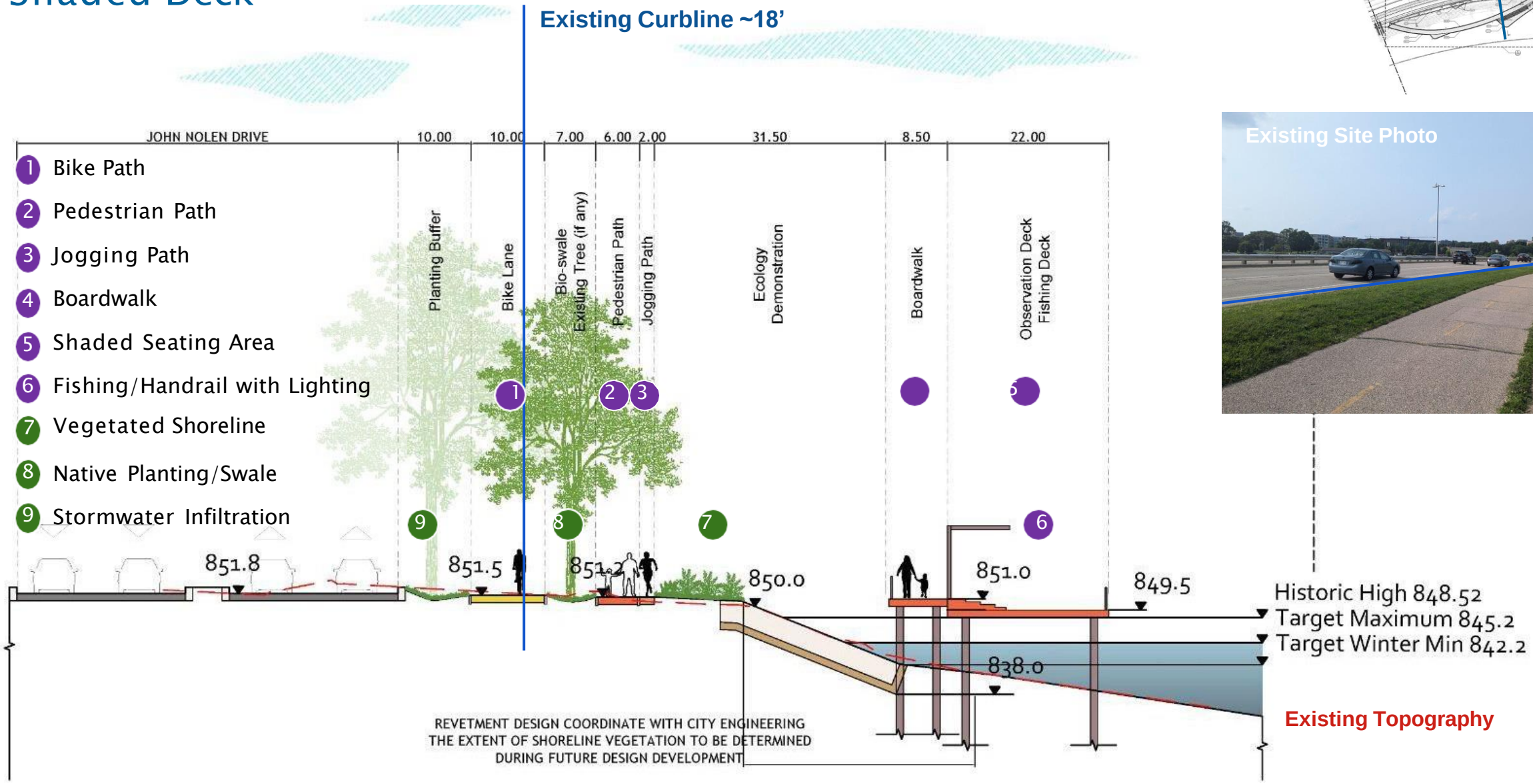


Proposed Shoreline Protection
(Stone Revetment)

Boardwalks Section 2

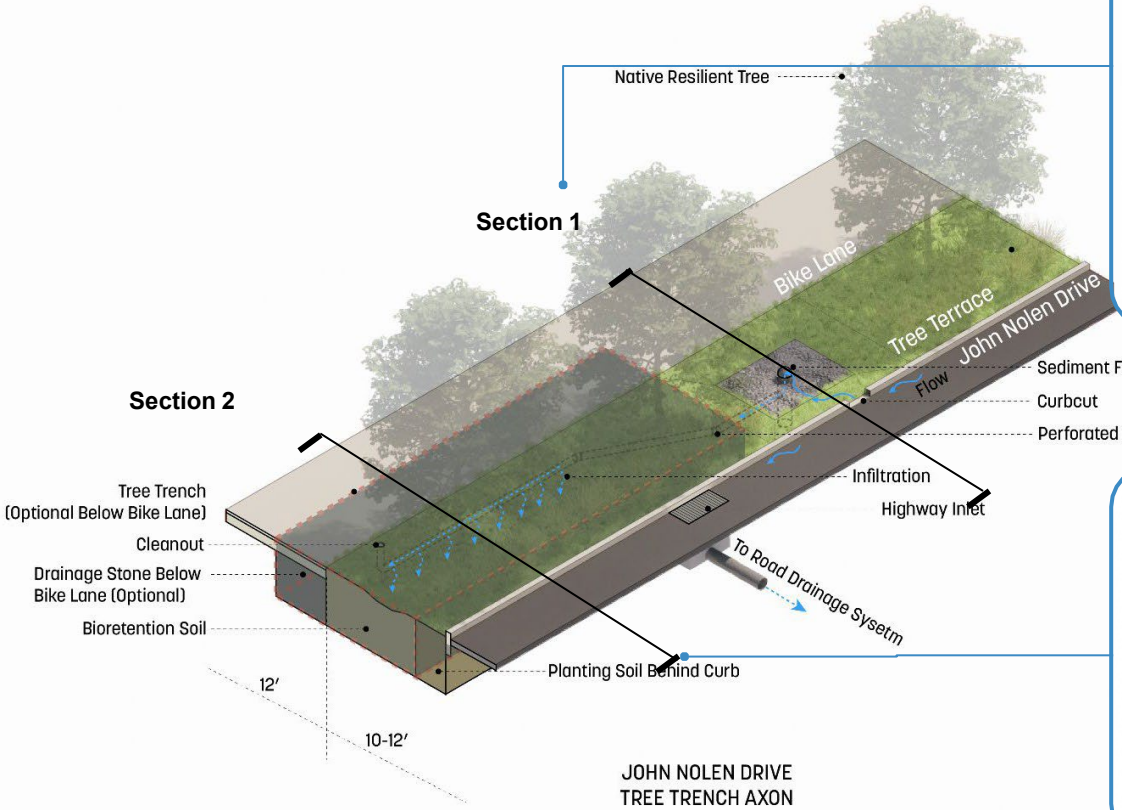
Shaded Deck



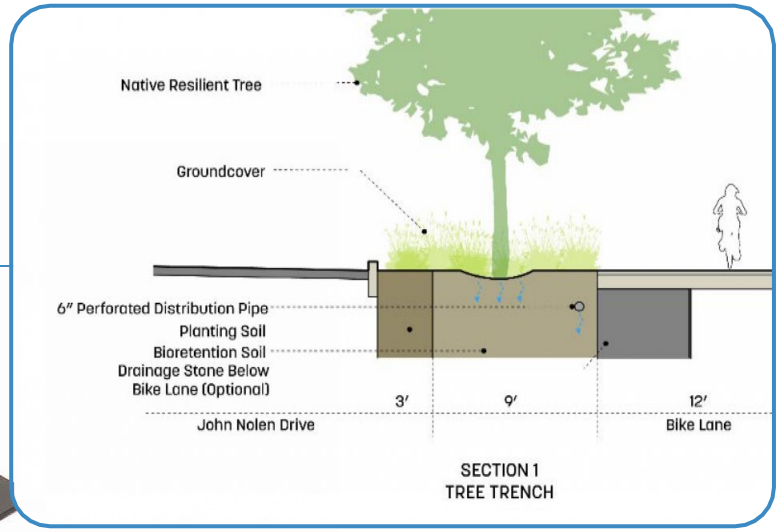


Stormwater Strategy

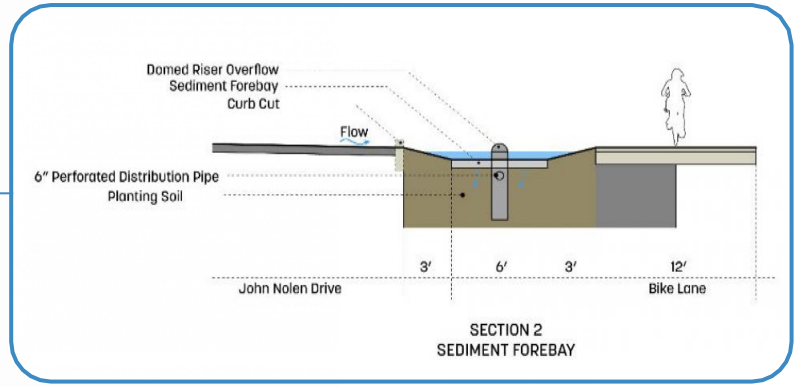
Collaboration with Forestry, JND Reconstruction



JOHN NOLEN DRIVE
TREE TRENCH AXON



SECTION 1
TREE TRENCH



SECTION 2
SEDIMENT FOREBAY

LEGEND

EXISTING TREE TO REMAIN

EXISTING TREE TO BE REMOVED

PROPOSED NEW TREE

MONONA BAY

SLOPE INTERCEPTS (TYP.)

WSOR

HIGHWAY EASEMENT

SB JOHN NOLEN DRIVE

82+00 'SB' 83+00 'SB' 84+00 'SB' 85+00 'SB' 86+00 'SB'

82+00 83+00 84+00 85+00 86+00

NB JOHN NOLEN DRIVE

MATCH LINE 81+55

MATCH LINE 86+85

0 'CT' 83+00 'CT' 84+00 'CT' 85+00 'CT' 86+00 'CT' 87+00 'CT'

CAPITAL CITY TRAIL

2IN

15IN 17IN 2, 10IN

2, 10IN 18IN

2, 15IN

SHORELINE REVETMENT (TYP.)

TREE TRENCH TO RECIEVE STORMWATER FROM STREET FOR PASSIVE IRRIGATION AND IMPROVED WATER QUALITY

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TREE PLAN	SHEET	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023101-PL_COLOR.DWG
LAYOUT NAME - 03

PLOT DATE : 3/3/2025 8:25 AM PLOT BY : DAN RYAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

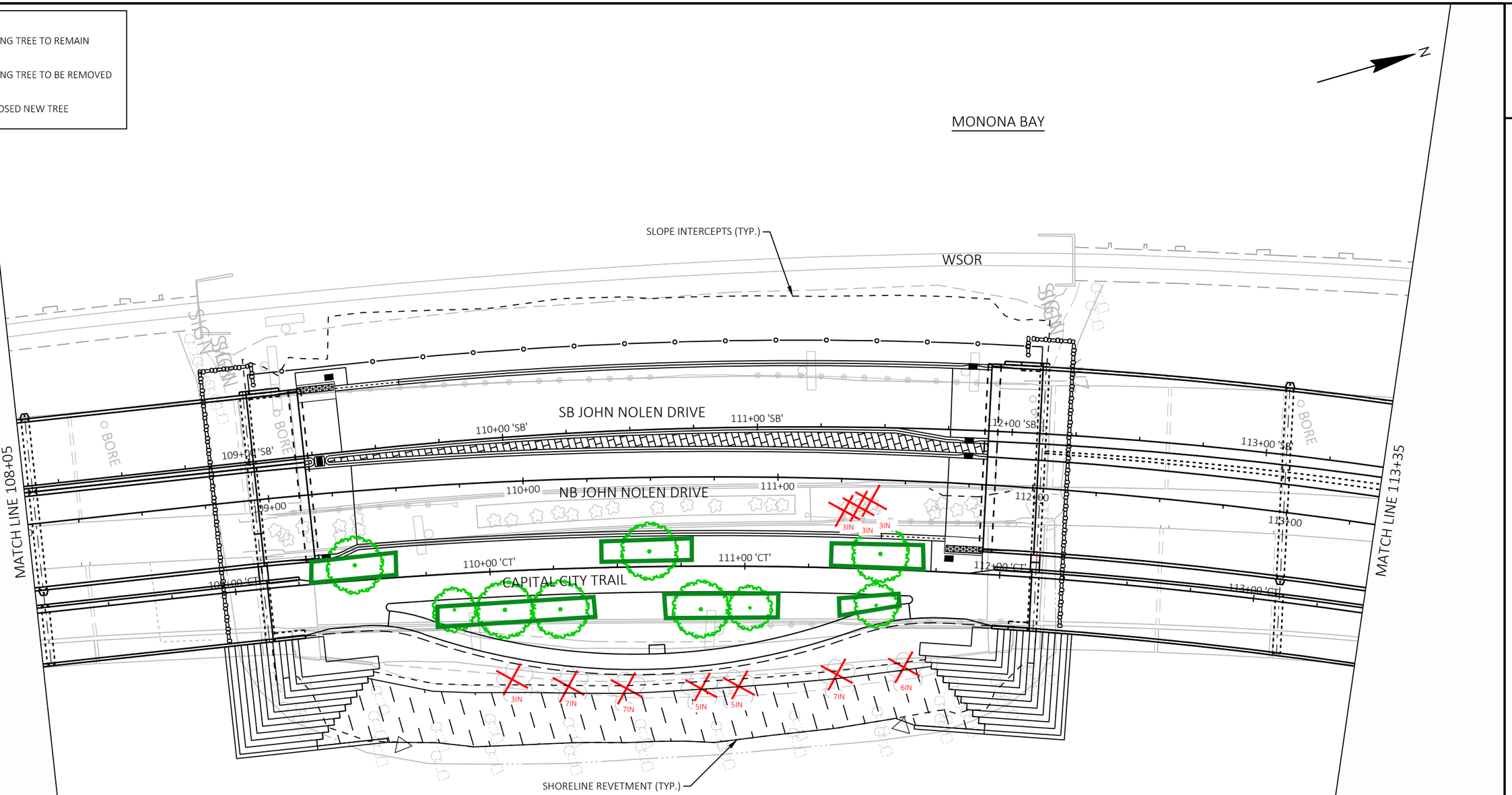
WISDOT/CADDS SHEET 42

LEGEND

EXISTING TREE TO REMAIN

EXISTING TREE TO BE REMOVED

PROPOSED NEW TREE



ADDITIONAL SOIL VOLUME FOR ALL TREE PLANTINGS

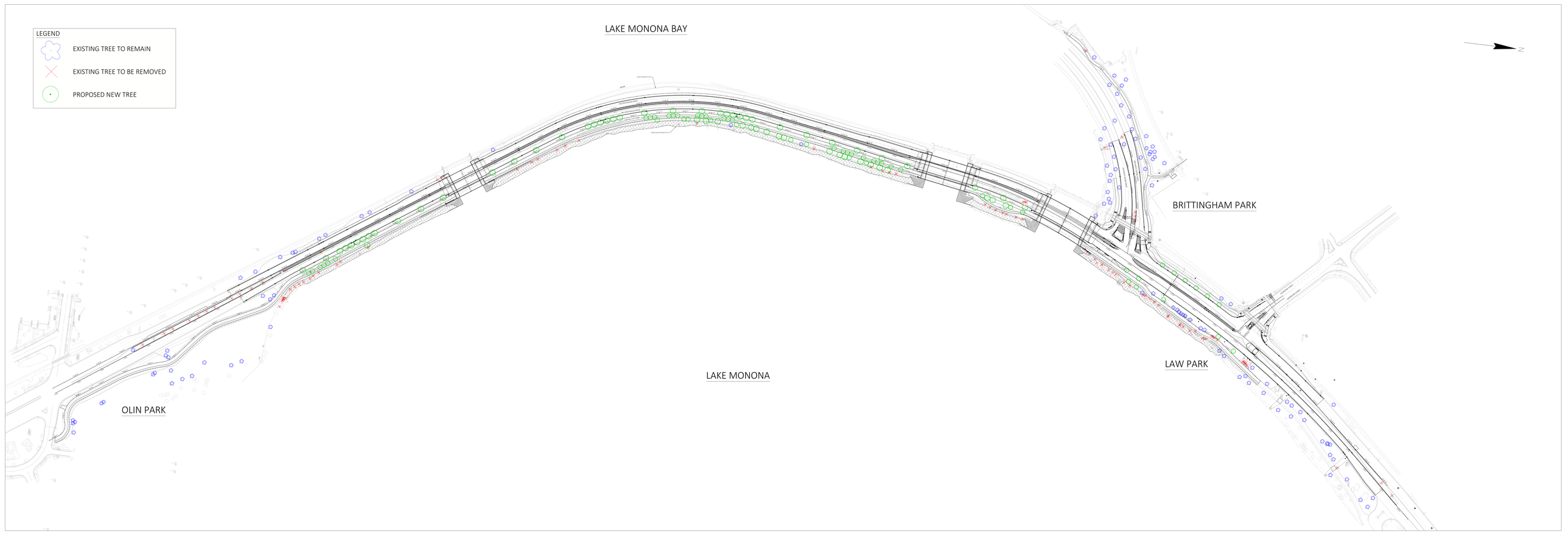
LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TREE PLAN	SHEET	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023101-PL_COLOR.DWG
LAYOUT NAME - 08

PLOT DATE : 3/3/2025 8:26 AM PLOT BY : DAN RYAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42


LEGEND
EXISTING TREE TO REMAIN
EXISTING TREE TO BE REMOVED
PROPOSED NEW TREE
LAKE MONONA BAY
BRITTINGHAM PARK
LAW PARK
LAKE MONONA
OLIN PARK
N