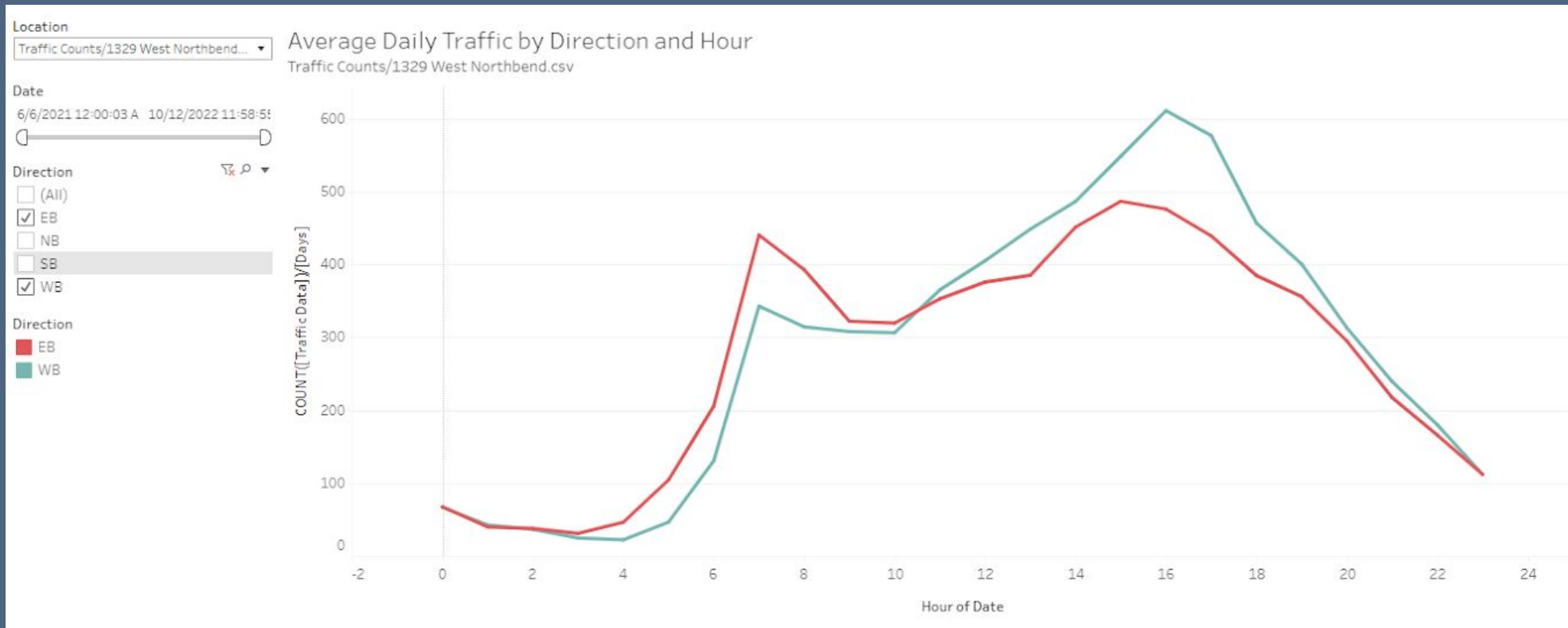


College Hill - Hamilton Ave & North Bend Rd Safety Improvements



The Reason Behind the Project – Traffic Volume

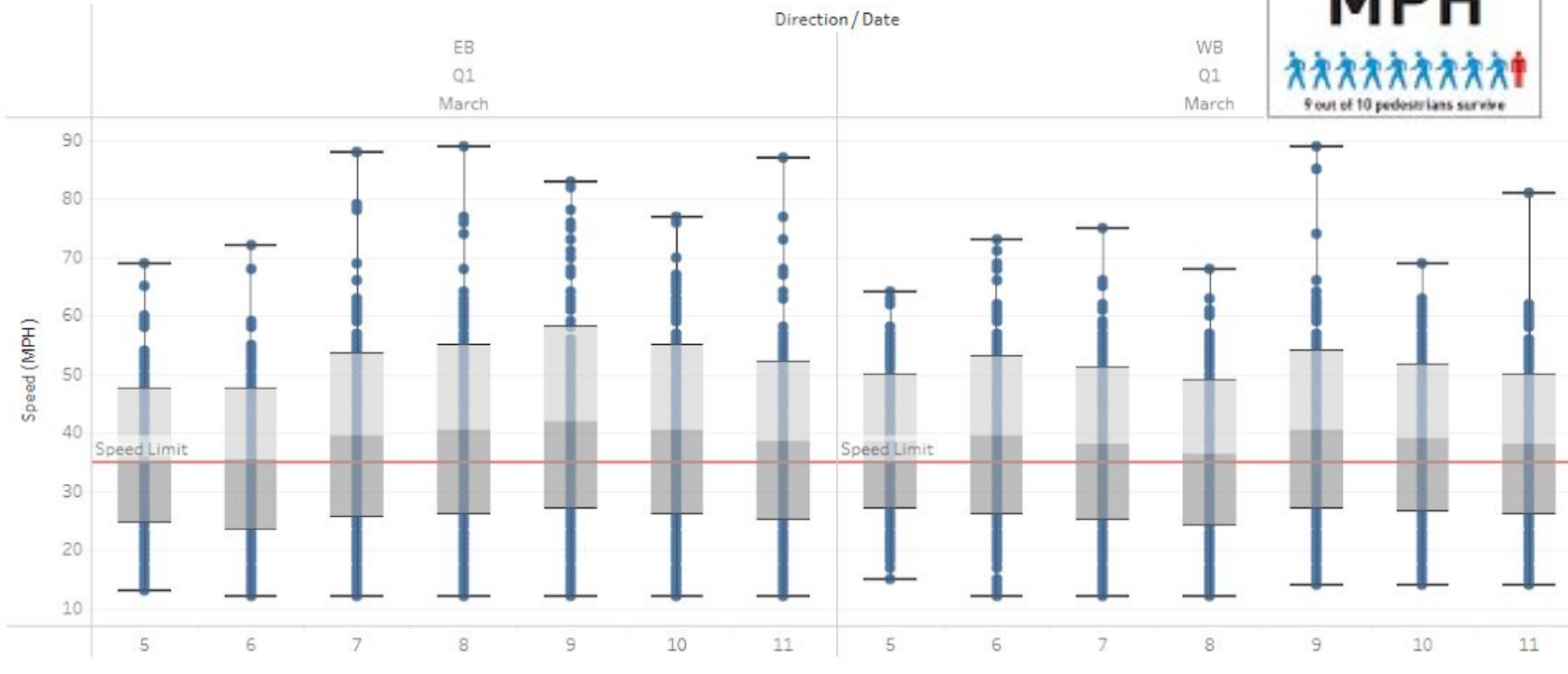
- Road is designed as a highway
- Cincinnati DOTE determines only one-lane of travel is needed



The Reason Behind the Project - Speeding

- Speeding is a serious problem

Quartile Speed by Direction and Day
Traffic Counts/1329 West Northbend.csv



HIT BY A VEHICLE
TRAVELING AT:
**20
MPH**

9 out of 10 pedestrians survive

HIT BY A VEHICLE
TRAVELING AT:
**30
MPH**

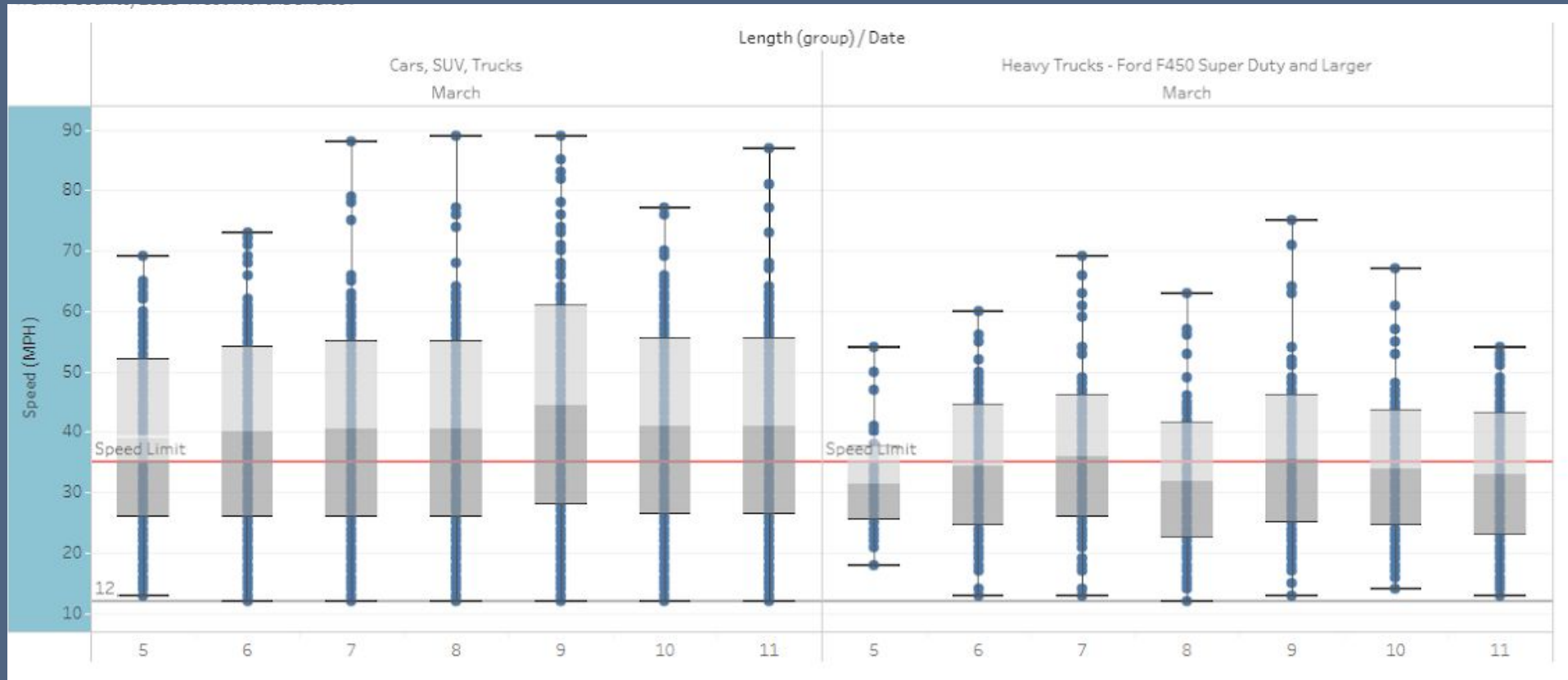
5 out of 10 pedestrians survive

HIT BY A VEHICLE
TRAVELING AT:
**40
MPH**

Only 1 out of 10 pedestrians survives

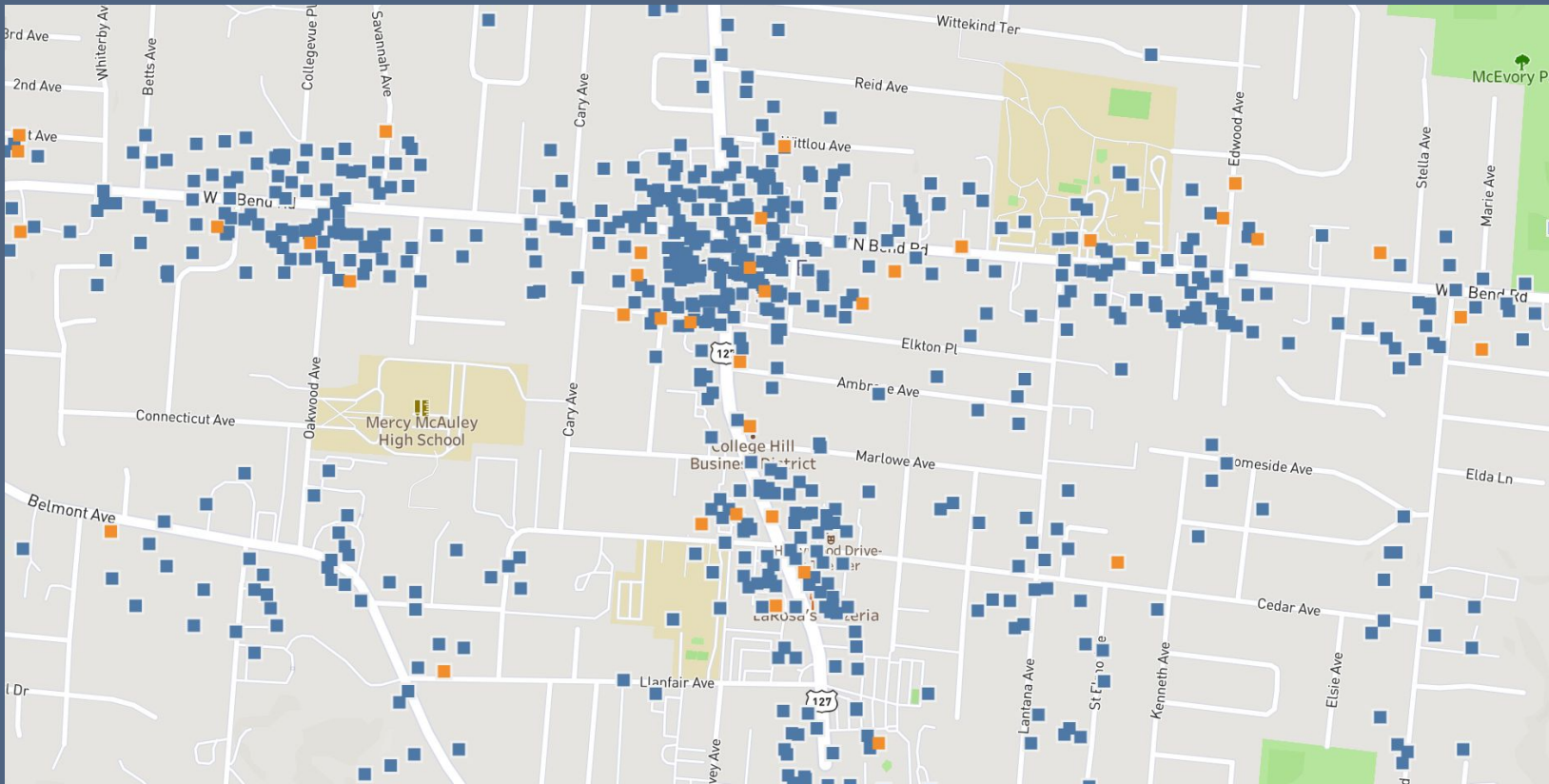
The Reason Behind the Project - Speeding

- Size matters



The Reason Behind the Project - Crashes

- Traffic violence – crashes, not accidents
- This does not include property damage-related crashes



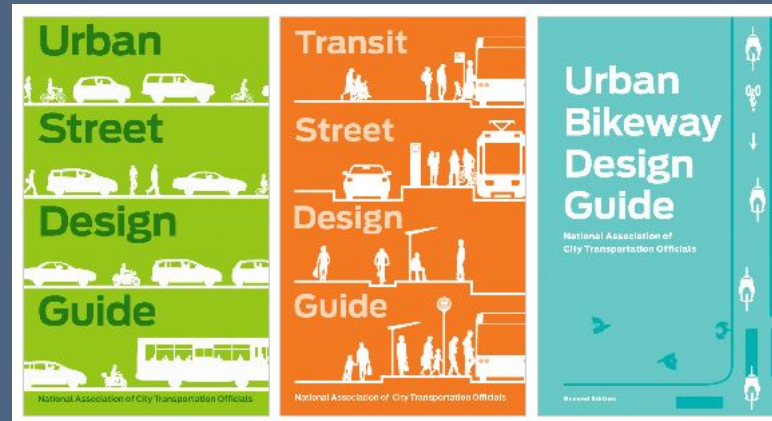
Severe injury and death

Injuries

Data: 3/11/14 -3/18/23

NACTO – Guiding Principles

- Cincinnati is a member (one of 96 major cities)
- NACTO's mission is to build cities as places for people, with safe, sustainable, accessible, and equitable transportation choices that support a strong economy and vibrant quality of life
- NACTO's values include fostering community, equity, striving for impact, and leading with imagination
-



What We Heard – The Wish List

- Issues with on-street parking - 24/7 Protected parking
- Difficult to cross street/ cars driving too fast - Curb extensions
- Crosswalks were eliminated - Marking crosswalks that were paved over
- Too much speeding - Right size (road diet) North Bend using a two-way protected bike lane, protected parking, and reduce speed limit to 25 MPH
- North Bend and Hamilton intersection is too dangerous - Centerline hardening and eliminating right turn on red

The Team

- Funder - Devou Good Foundation
- Engineer – Klienger's
- Contractor – A&A Safety
- Bus Bulb Contractor - Trade 31

The Project

- Interim materials
- Cost: \$500,000 (\$130,000 starting point)

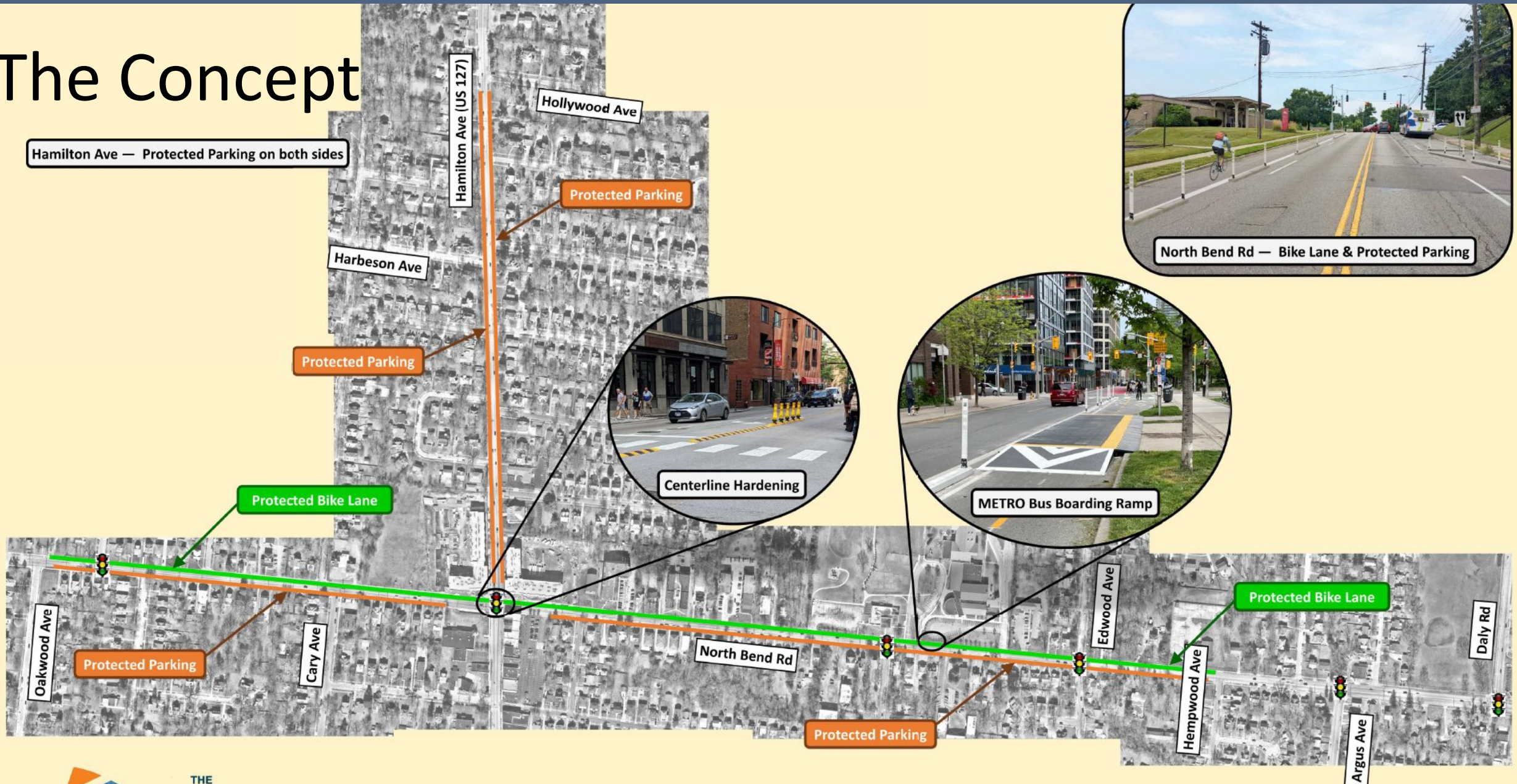


The Timeline

- Materials are ordered (wheel blocks, signage, paddles, etc.)
- Anticipated start date: mid-July (waiting for materials)
- Installation is estimated to be completed in 2 weeks (weather dependent)
- Pavement markings and striping is planned to take place first
- Goal is to complete the project before the first day of school

The Concept

Hamilton Ave — Protected Parking on both sides



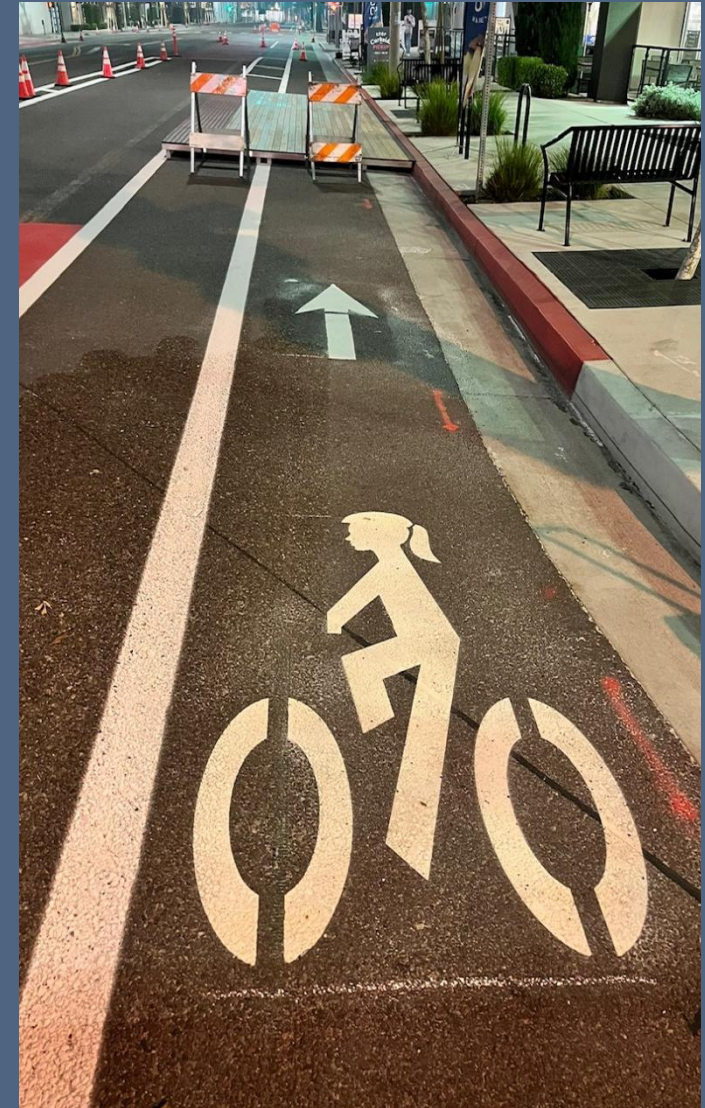
THE



THE KLEINGERS GROUP September 8, 2022

PERSPECTIVE

COLLEGE HILL - NORTH BEND RD / HAMILTON AVE - SAFETY IMPROVEMENTS



Centerline Hardening



Thank you to our Partners

Cincinnati DOTE

Tri-State Trails

Community Councils

Local Non-Profits and Redevelopment Groups

Matt Butler – Matt@devougood.com

Jody Robinson – jody@devougood.com

www.VisionZeroCincy.net

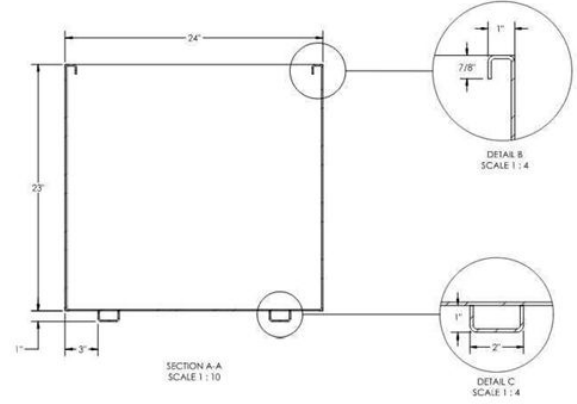
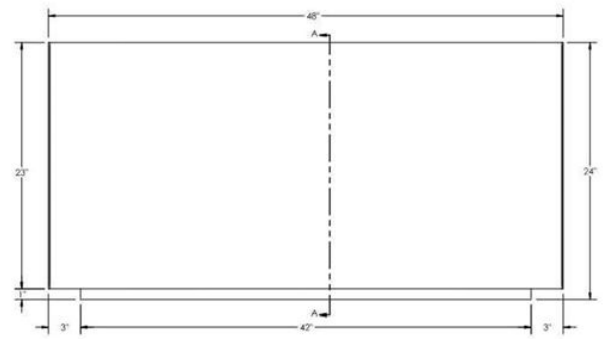
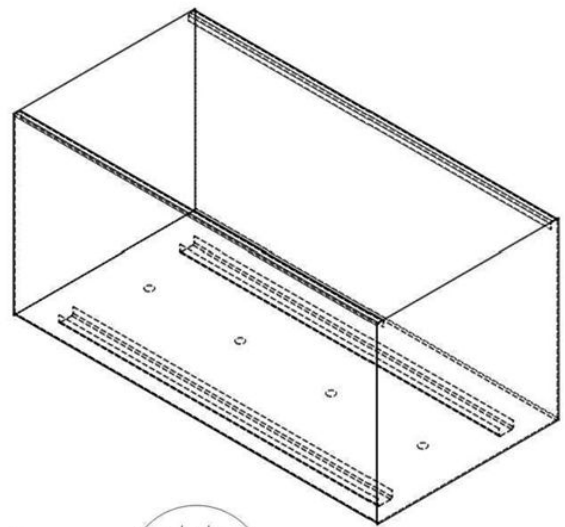
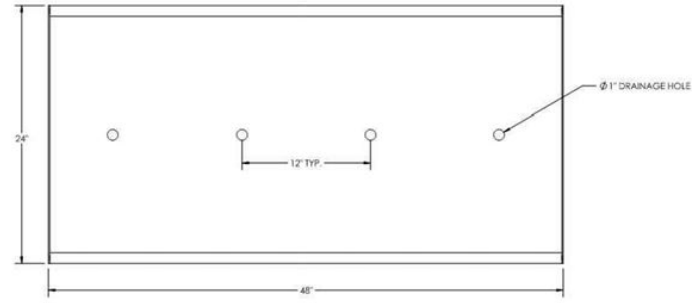
www.DevouGood.com



1 2 3 4 5 6 7 8 9

A
B
C
D
E
F
G

NOTE: DECORATIVE
PLANTER + PLANTINGS
MUST NOT EXCEED 36" IN
HEIGHT



- NOTE:**
1. MATERIALS: CORTEN STEEL 1/8" THICK.
 2. QUANTITY: 1

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF PLANTERCRAFT. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF PLANTERCRAFT IS PROHIBITED.

PLANTERCRAFT

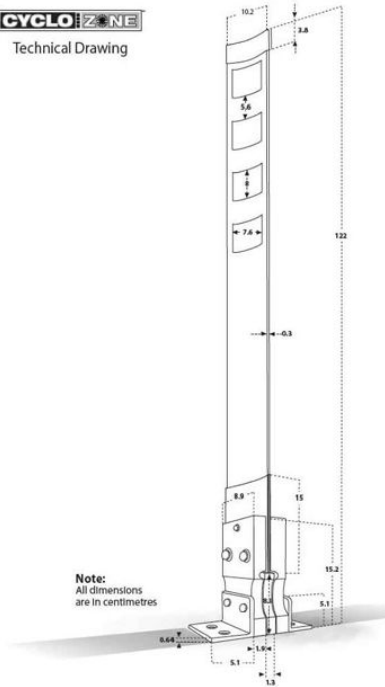
WWW.PLANTERCRAFT.COM
888.692.3000
sales@plantercraft.com
1200 Euler Rd.
Linden NJ 07036

NAME	DATE	TITLE:
DRAWN ND	8/11/22	PLANTER 48L X 24W X 24H
APPROVED		DWG NO: -
ENG APPR:		
MFG APPR:		SIZE B JOB NO. -
Q.A.		REV A
DO NOT SCALE DRAWING		SCALE: 1:8 SHEET 1 OF 1

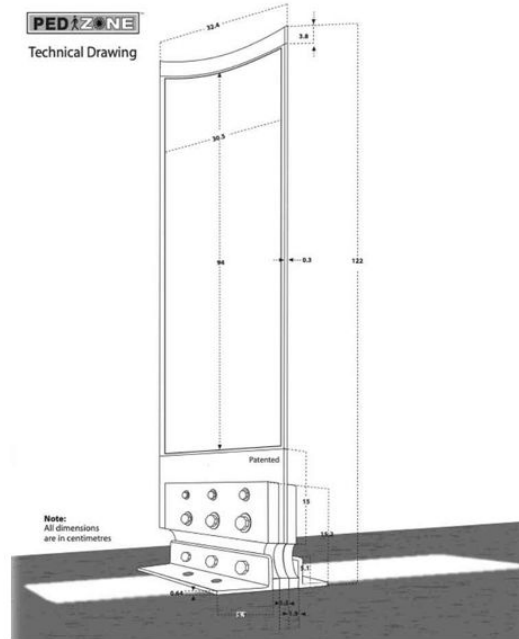
SCALE: 1:8
SHEET 1 OF 1

DEVOU GOOD - COLLEGE HILL
GENERAL DETAILS





CYCLO-ZONE FLEXIBLE BOLLARD, GREEN BOLLARD WITH WHITE REFLECTIVE SHEETING, INSTALLED ON TOP OF PARKING BLOCKS



PED-ZONE FLEXIBLE BOLLARD DETAIL



PED-ZONE FACING DRIVEWAY/STREET OPENING



PED-ZONE FACING SHARED USE PATHWAY

COLLEGE HILL BIKE & BUS LOADING PLATFORM

ABBREVIATIONS

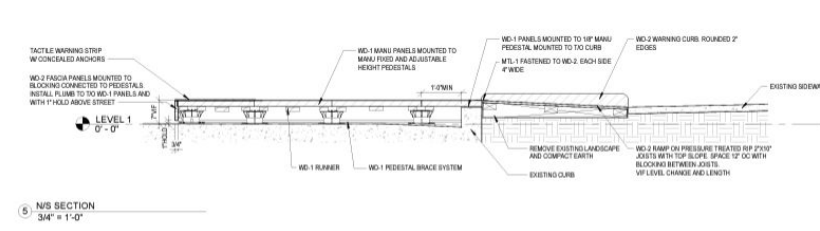
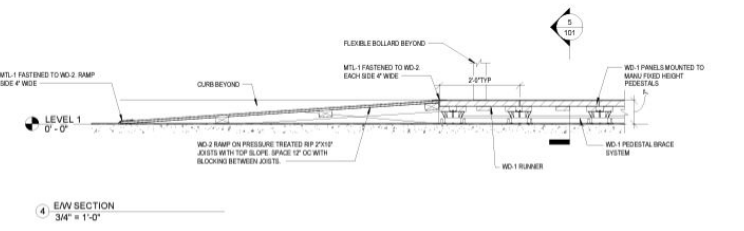
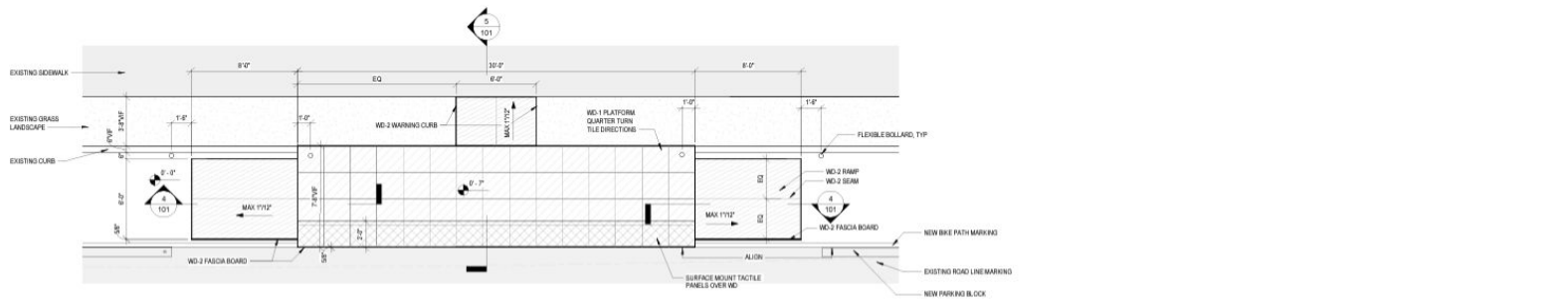
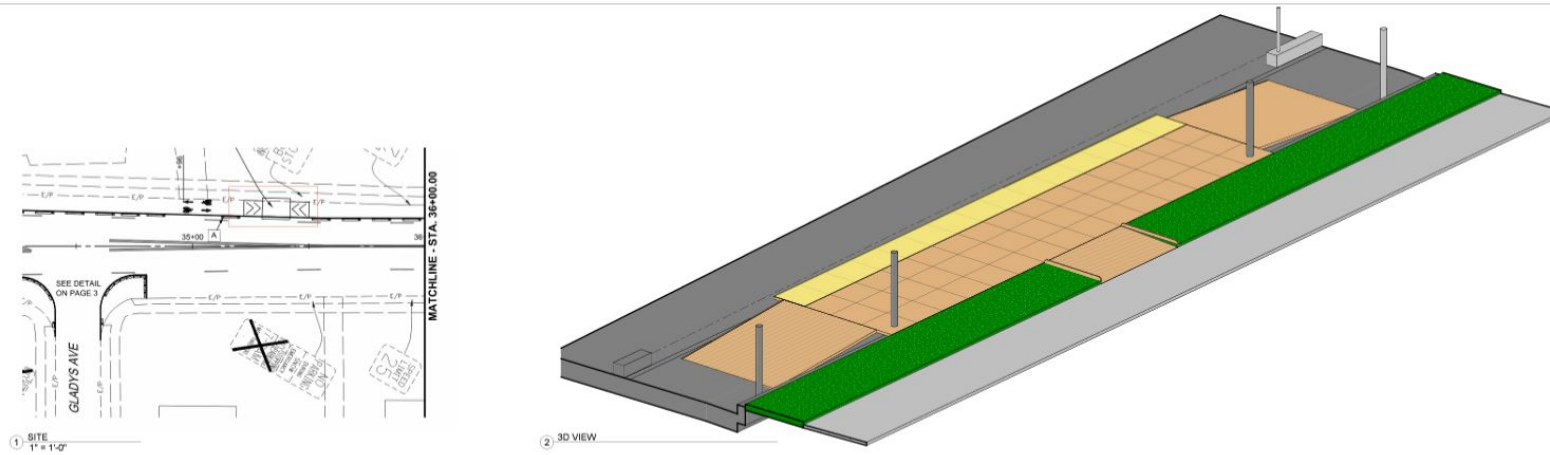
CONT = CONTRACTOR
MNFU = MANUFACTURER
CC = CONCRETE
PT = PAINT
TOP = TOP OF

GENERAL NOTES

1. THIS DRAWING INDICATES IN GENERAL THE PROJECT IN TERMS OF DESIGN INTENT AND THE DIMENSIONS OF THE PROJECT. THE DRAWING DOES NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS AS INDICATED OR DESCRIBED. THE CONTRACTOR SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
2. THE CONTRACTOR SHALL CONDUCT THEIR OWN SITE SURVEY OF THE EXISTING GRADE AND CURB ELEVATIONS (SEVERAL ALL EXISTING OR PROPOSED ELEVATIONS) & LEVELS AND DIMENSIONS. ON SITE AND ON DRAWINGS MUST BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE THE PREPARATION OF SHOP DRAWINGS OR COMMENCEMENT OF ANY ITEM OF WORK ON THE SITE.
3. ANY DEMOLITION OF LANDSCAPE ON SITE SHALL BE SELECTED BASED UPON DRAWINGS UNLESS APPROVED BY CLIENT.
5. FASCIA PANELS TO BE CREATED OUT OF REMAINING WD-2.
7. OPTION IN SELECTING DIFFERENT ALTERNATES.
8. MFL-1 IS TO GAUGE BRIST STEEL METAL SHEET PLATE TO BE WATER OF RAMP FT-BACK.
9. CONTRACTOR TO SUPPLY WARNING CURBS ON SIDEWALK. RAMP IF THE DIFFERENCE BETWEEN SOL AND TO PLATFORM IS > 4". OPTION TO BALU UP LANDSCAPE ON SIDES OF RAMP IF DIFFERENCE IS < 4".

LEGEND

- WD-1
[Pattern] MFC MANUFACTURED PANELS WD TO BE (TABLEA. SEE SPEC. 09220)
- WD-2
[Pattern] GROUND CONTACT PRESURE TREATED PINE 2X4 PLANKS (FRAMES TO MATCH WD-1 AND NON-SLIP GRIT PAINT (BLP DOCTORS MATTE FLOOR GRIP)
- [Pattern] TACTILE WARNING STRIP SPEC. SECTION 05 49 00. COLOR TO BE YELLOW
- MFL-2
[Pattern] 30 GAUGE WEATHERING STEEL METAL PLATE
- CONC
[Pattern] CONCRETE WITH BROOM FINISH

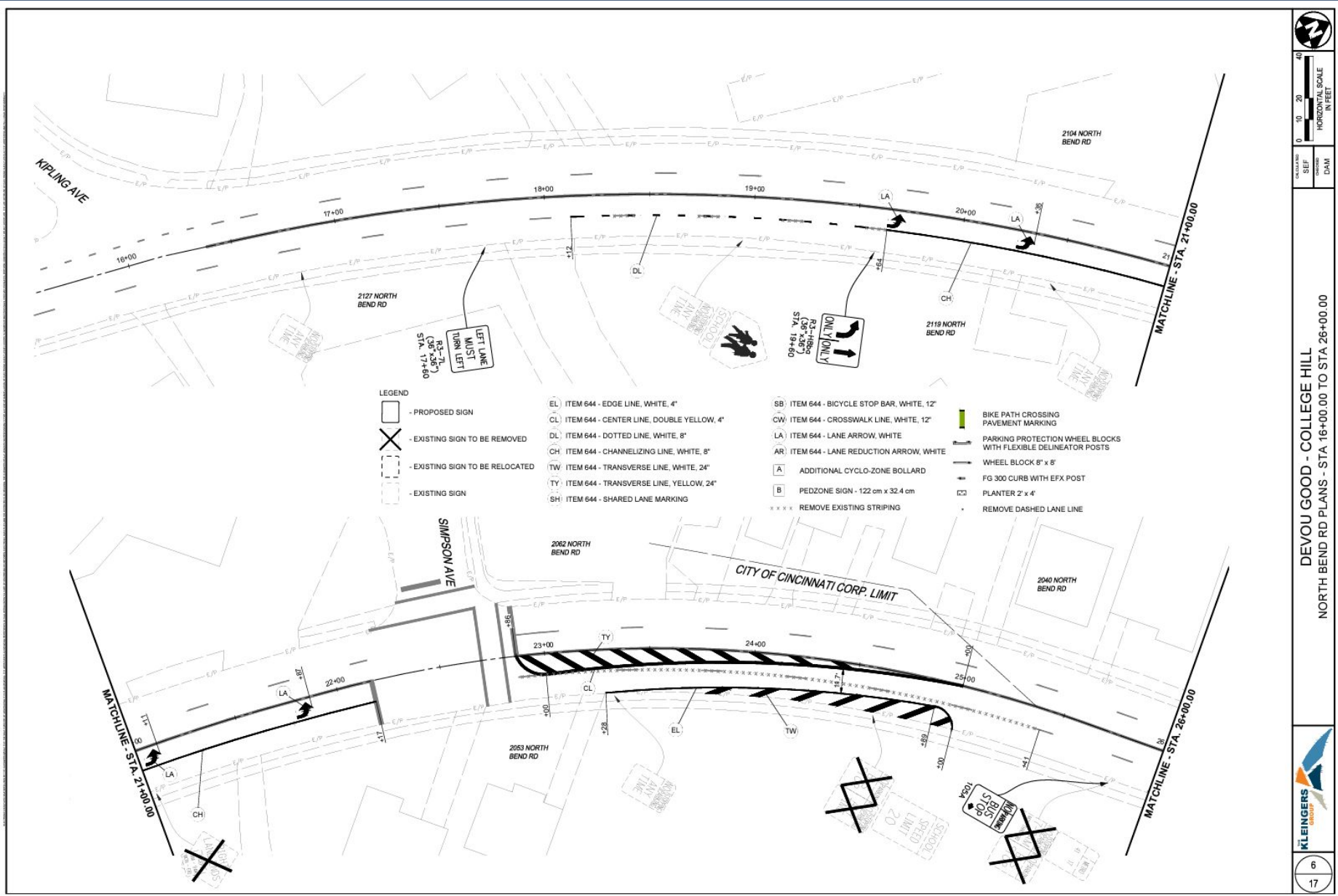


BASE DRAWINGS

101

Date 10/17/2022
Scale As indicated





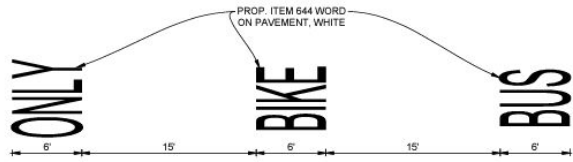
0 10 20 40
HORIZONTAL SCALE
IN FEET

DATE: 08/14/2024
SEF
DRAWN BY: DAM

DEVOU GOOD - COLLEGE HILL
NORTH BEND RD PLANS - STA. 16+00.00 TO STA. 26+00.00



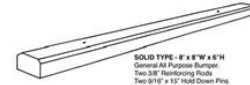
6
17



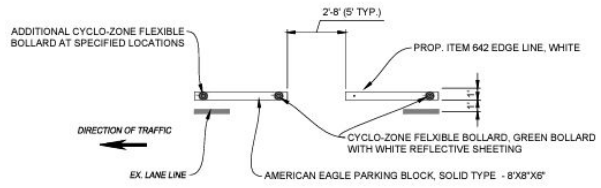
BUS STOP MARKING DETAIL

American Eagle Parking Bumpers
 All Enclosed
 4,000 PSI Concrete
 All Types Available in
 6' Lengths
 Special Sizes Upon Request

AMERICAN EAGLE PRECAST, LLC
 17201 Conant Avenue, Detroit, MI 48232-1188
 Phone: 313-865-8700 Fax: 313-865-4322
 www.americaneagleprecast.com

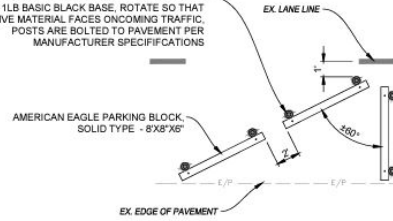


SOLID TYPE - 6' x 6' W x 6' H
 General All Purpose Bumper
 Two 3/8" Reinforcing Rods
 Two 9/16" x 12" Hold Down Pins
 Weighs 210 lbs.

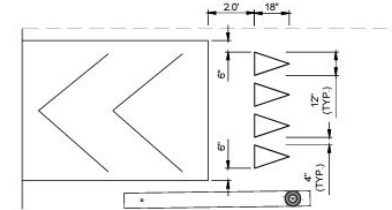


BIKE PATH PROTECTION DETAIL

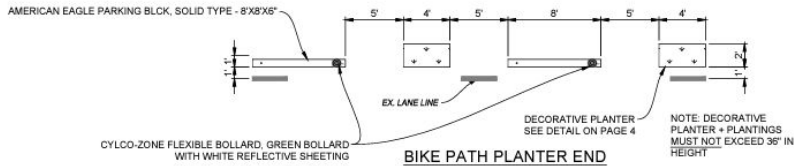
TAPOO, F6-300 MODEL UR CHANNELIZER POST WITH 1LB BASIC BLACK BASE, ROTATE SO THAT REFLECTIVE MATERIAL FACES ONCOMING TRAFFIC. POSTS ARE BOLTED TO PAVEMENT PER MANUFACTURER SPECIFICATIONS



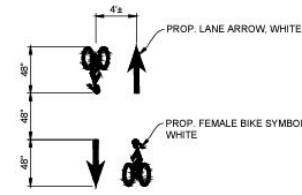
PARKING PROTECTION WITH FLEXIBLE DELINEATOR POSTS DETAIL



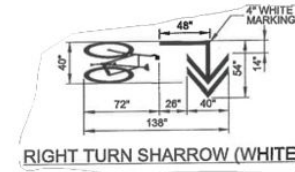
BIKE YIELD MARKING DETAIL



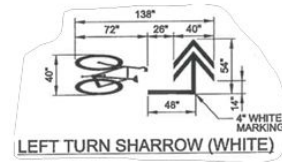
BIKE PATH PLANTER END TREATMENT DETAIL



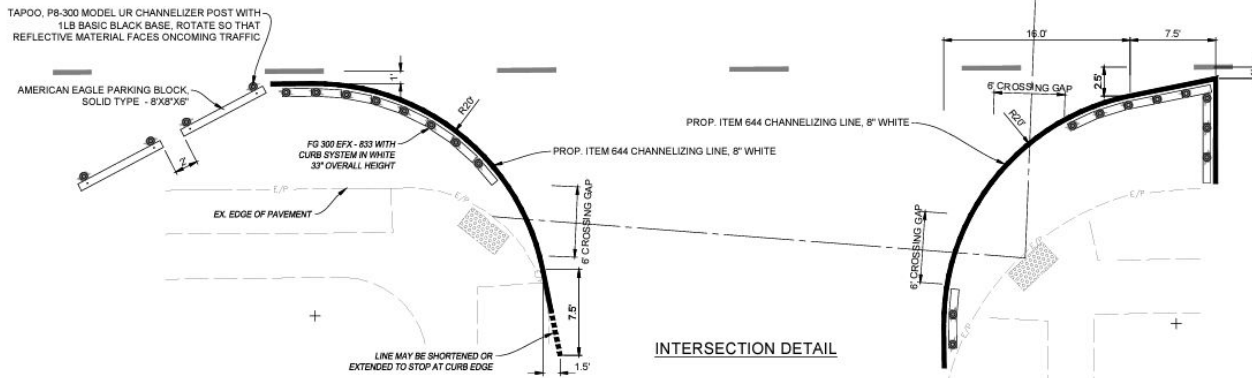
BIKE PATH PAVEMENT MARKING DETAIL



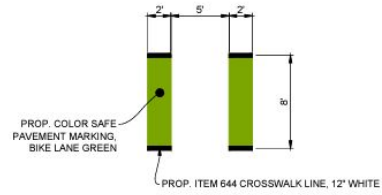
RIGHT TURN SHARROW (WHITE)



LEFT TURN SHARROW (WHITE)



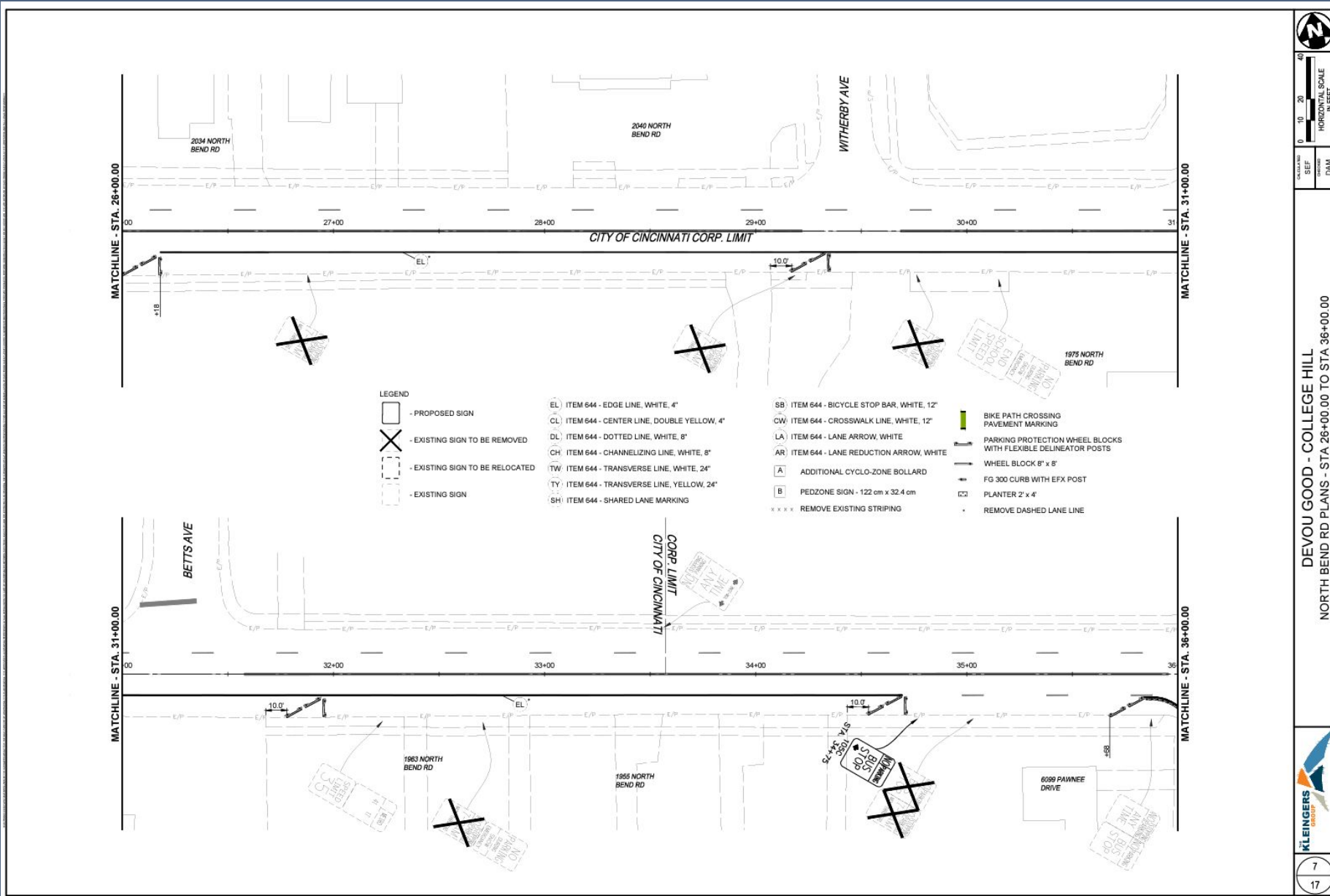
INTERSECTION DETAIL



BIKE PATH CROSSING PAVEMENT MARKING DETAIL

DEVOU GOOD - COLLEGE HILL
 GENERAL DETAILS

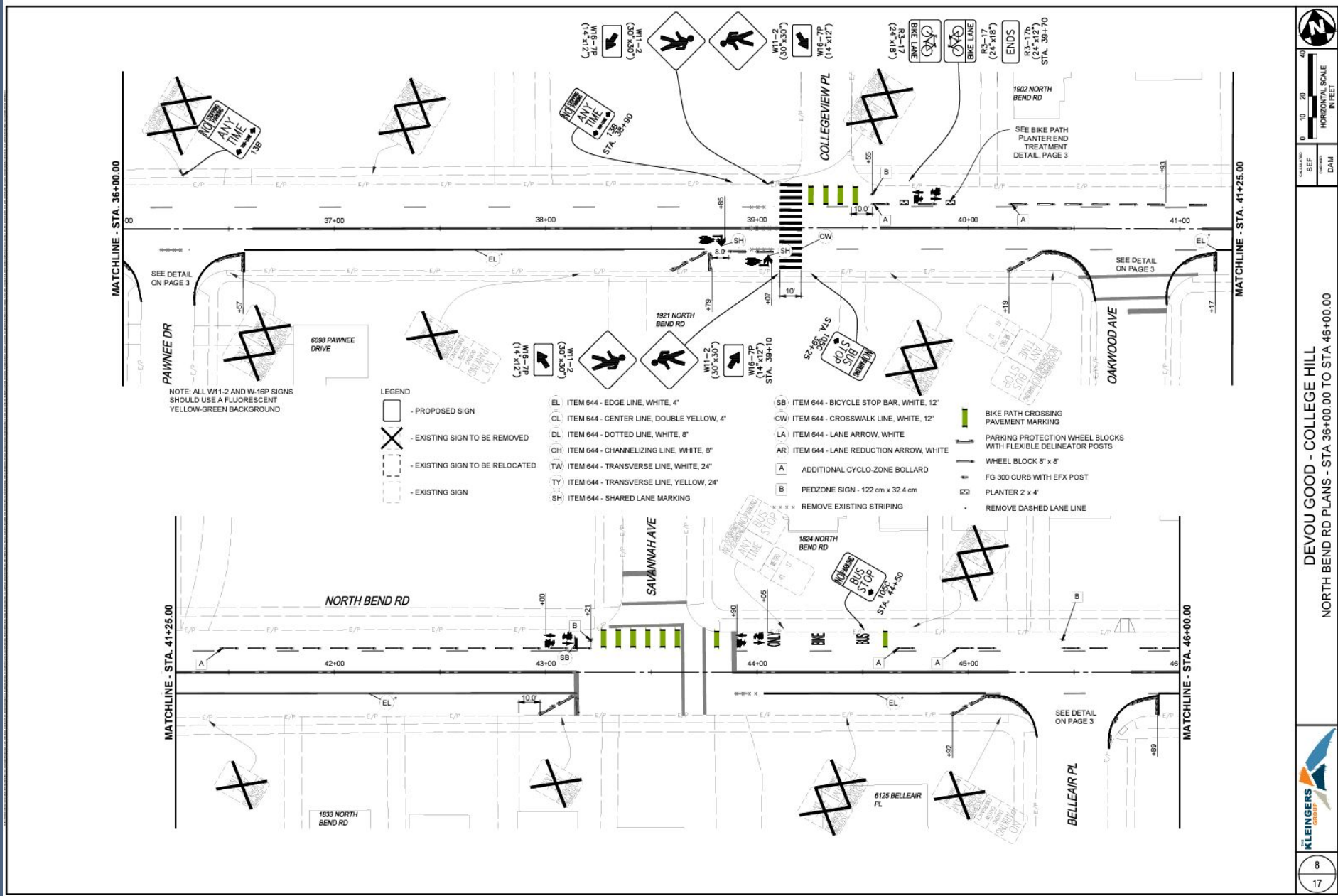




SCALE: SEE DAM

DEVOU GOOD - COLLEGE HILL
NORTH BEND RD PLANS - STA 26+00.00 TO STA 36+00.00

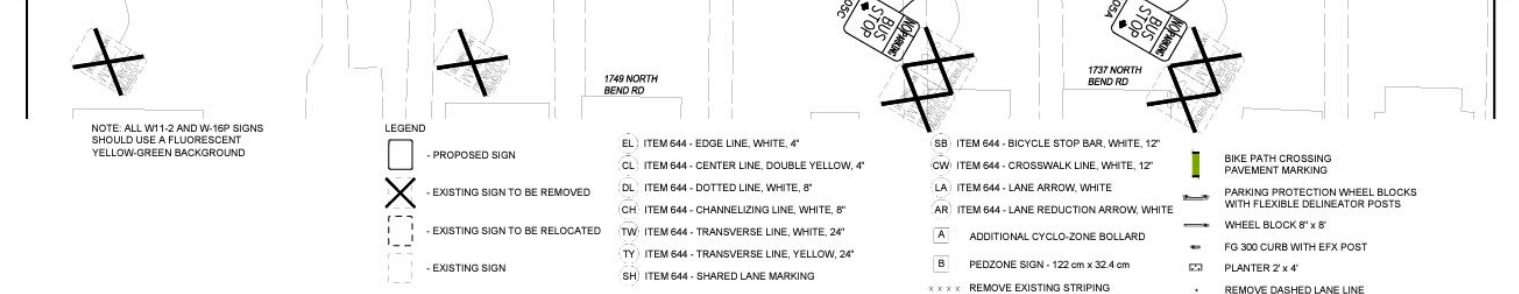
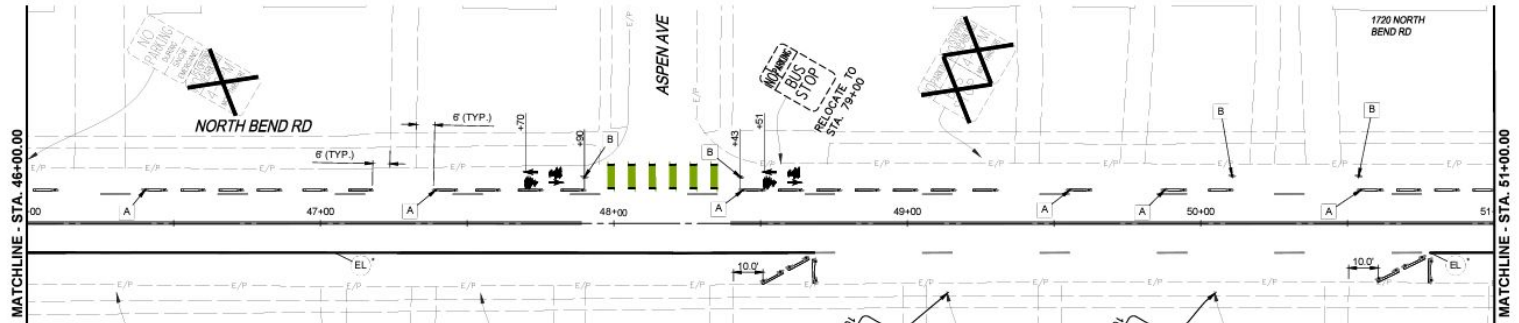




HORIZONTAL SCALE
IN FEET

DEVOU GOOD - COLLEGE HILL
NORTH BEND RD PLANS - STA 36+00.00 TO STA 46+00.00





NOTE: ALL W1-2 AND W16P SIGNS SHOULD USE A FLUORESCENT YELLOW-GREEN BACKGROUND

LEGEND

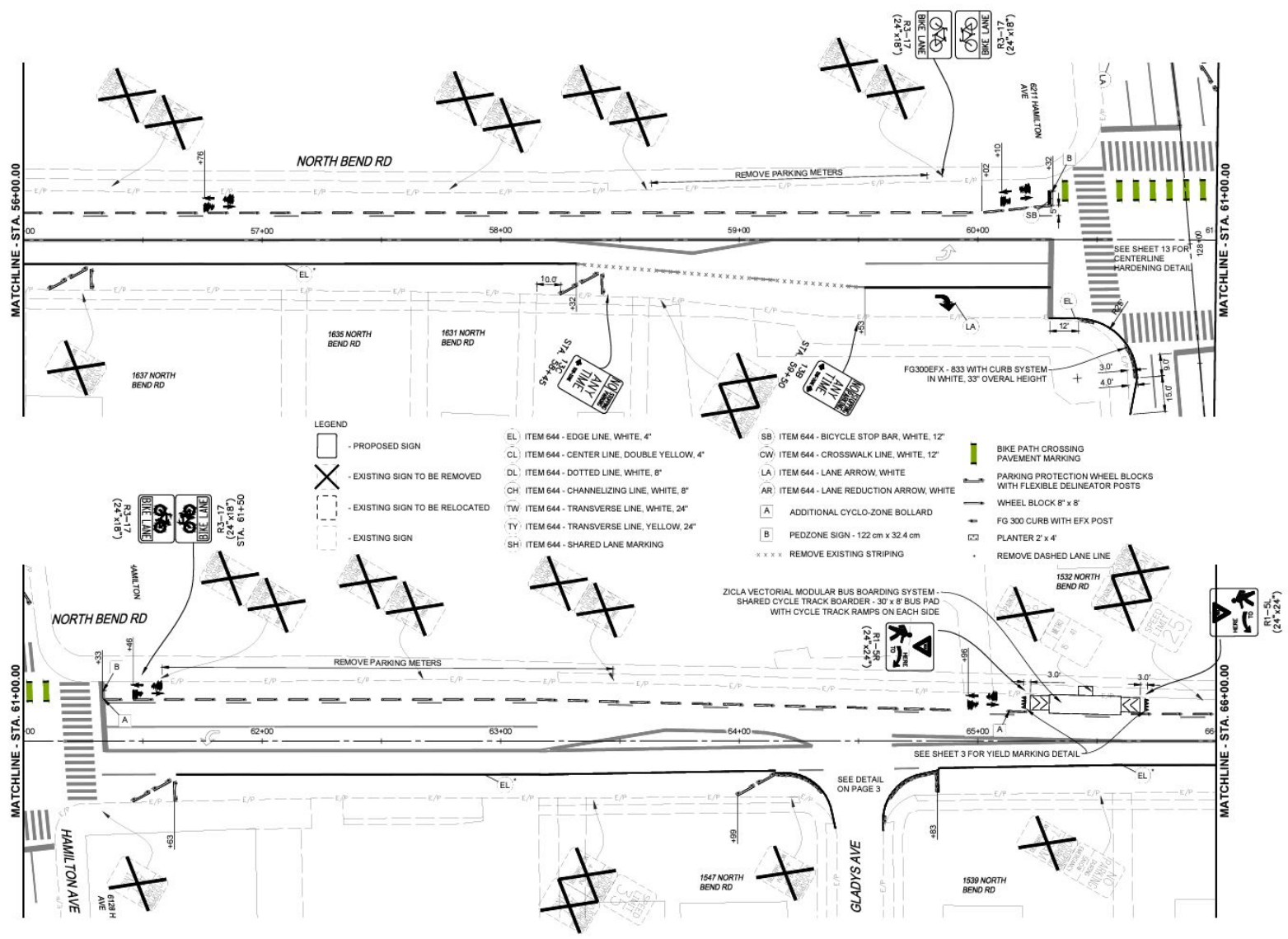
- PROPOSED SIGN
- EXISTING SIGN TO BE REMOVED
- EXISTING SIGN TO BE RELOCATED
- EXISTING SIGN
- EL ITEM 644 - EDGE LINE, WHITE, 4"
- CL ITEM 644 - CENTER LINE, DOUBLE YELLOW, 4"
- DL ITEM 644 - DOTTED LINE, WHITE, 8"
- CH ITEM 644 - CHANNELIZING LINE, WHITE, 8"
- TW ITEM 644 - TRANSVERSE LINE, WHITE, 24"
- TY ITEM 644 - TRANSVERSE LINE, YELLOW, 24"
- SH ITEM 644 - SHARED LANE MARKING
- SB ITEM 644 - BICYCLE STOP BAR, WHITE, 12"
- CW ITEM 644 - CROSSWALK LINE, WHITE, 12"
- LA ITEM 644 - LANE ARROW, WHITE
- AR ITEM 644 - LANE REDUCTION ARROW, WHITE
- A ADDITIONAL CYCLO-ZONE BOLLARD
- B PEDZONE SIGN - 122 cm x 32.4 cm
- BIKE PATH CROSSING PAVEMENT MARKING
- PARKING PROTECTION WHEEL BLOCKS WITH FLEXIBLE DELINEATOR POSTS
- WHEEL BLOCK 8" x 8"
- FG 300 CURB WITH EFX POST
- PLANTER 2' x 4'
- REMOVE EXISTING STRIPING
- REMOVE DASHED LANE LINE

HORIZONTAL SCALE
IN FEET

DEVOU GOOD - COLLEGE HILL

NORTH BEND RD PLANS - STA 46+00.00 TO STA 56+00.00

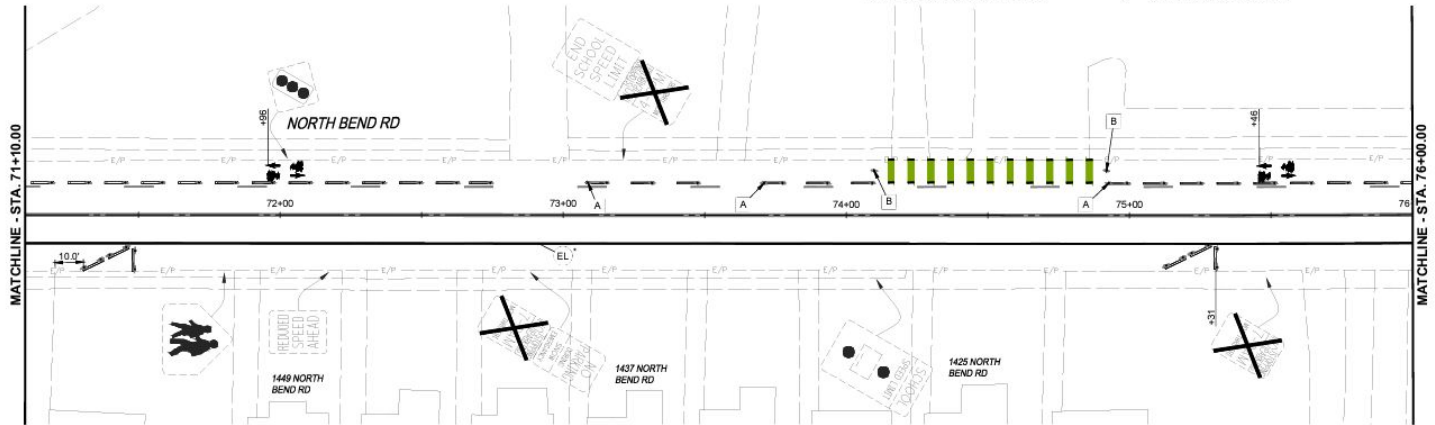
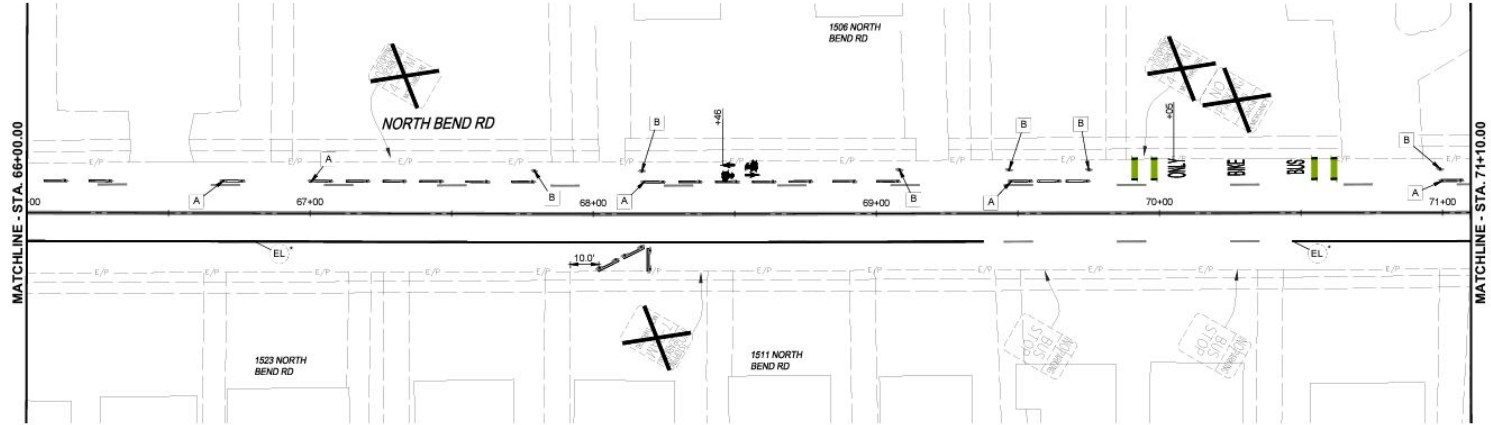
17



SCALE	1" = 40'
DATE	SEP 2018
PROJECT	DAM

DEVOU GOOD - COLLEGE HILL
 NORTH BEND RD PLANS - STA. 56+00.00 TO STA. 66+00.00





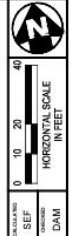
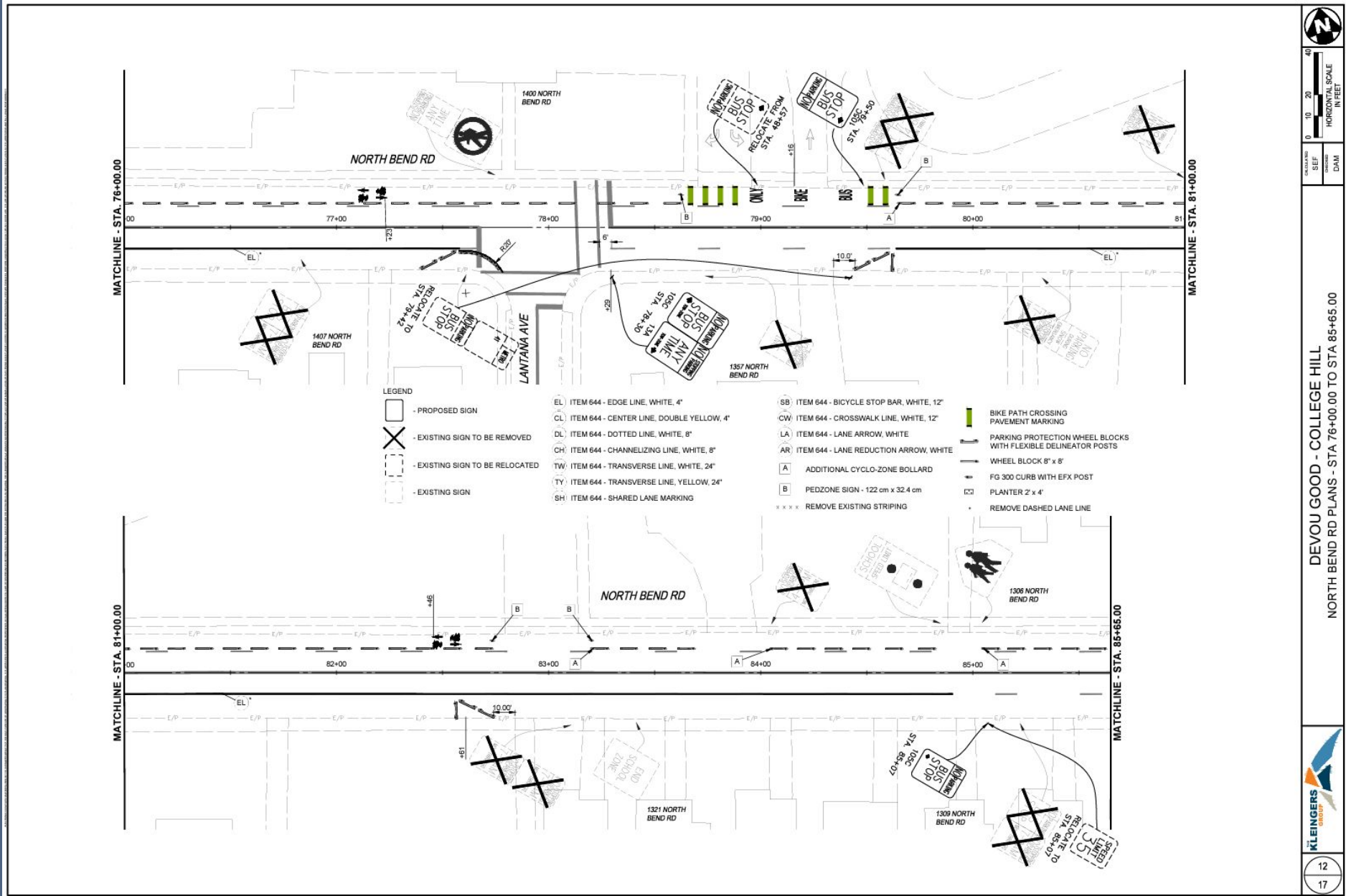
- LEGEND**
- PROPOSED SIGN
 - EXISTING SIGN TO BE REMOVED
 - EXISTING SIGN TO BE RELOCATED
 - EXISTING SIGN
 - EL ITEM 644 - EDGE LINE, WHITE, 4"
 - CL ITEM 644 - CENTER LINE, DOUBLE YELLOW, 4"
 - DL ITEM 644 - DOTTED LINE, WHITE, 8"
 - CH ITEM 644 - CHANNELIZING LINE, WHITE, 8"
 - TW ITEM 644 - TRANSVERSE LINE, WHITE, 24"
 - TY ITEM 644 - TRANSVERSE LINE, YELLOW, 24"
 - SH ITEM 644 - SHARED LANE MARKING
 - SB ITEM 644 - BICYCLE STOP BAR, WHITE, 12"
 - CW ITEM 644 - CROSSWALK LINE, WHITE, 12"
 - LA ITEM 644 - LANE ARROW, WHITE
 - AR ITEM 644 - LANE REDUCTION ARROW, WHITE
 - A ADDITIONAL CYCLO-ZONE BOLLARD
 - B PEDZONE SIGN - 122 cm x 32.4 cm
 - xxxx REMOVE EXISTING STRIPING
 - BIKE PATH CROSSING PAVEMENT MARKING
 - PARKING PROTECTION WHEEL BLOCKS WITH FLEXIBLE DELINEATOR POSTS
 - WHEEL BLOCK 8" x 8"
 - FG 300 CURB WITH EFX POST
 - PLANTER 2' x 4'
 - REMOVE DASHED LANE LINE



DATE	BY	CHKD	APP'D

DEVOU GOOD - COLLEGE HILL
 NORTH BEND RD PLANS - STA. 66+00.00 TO STA. 76+00.00

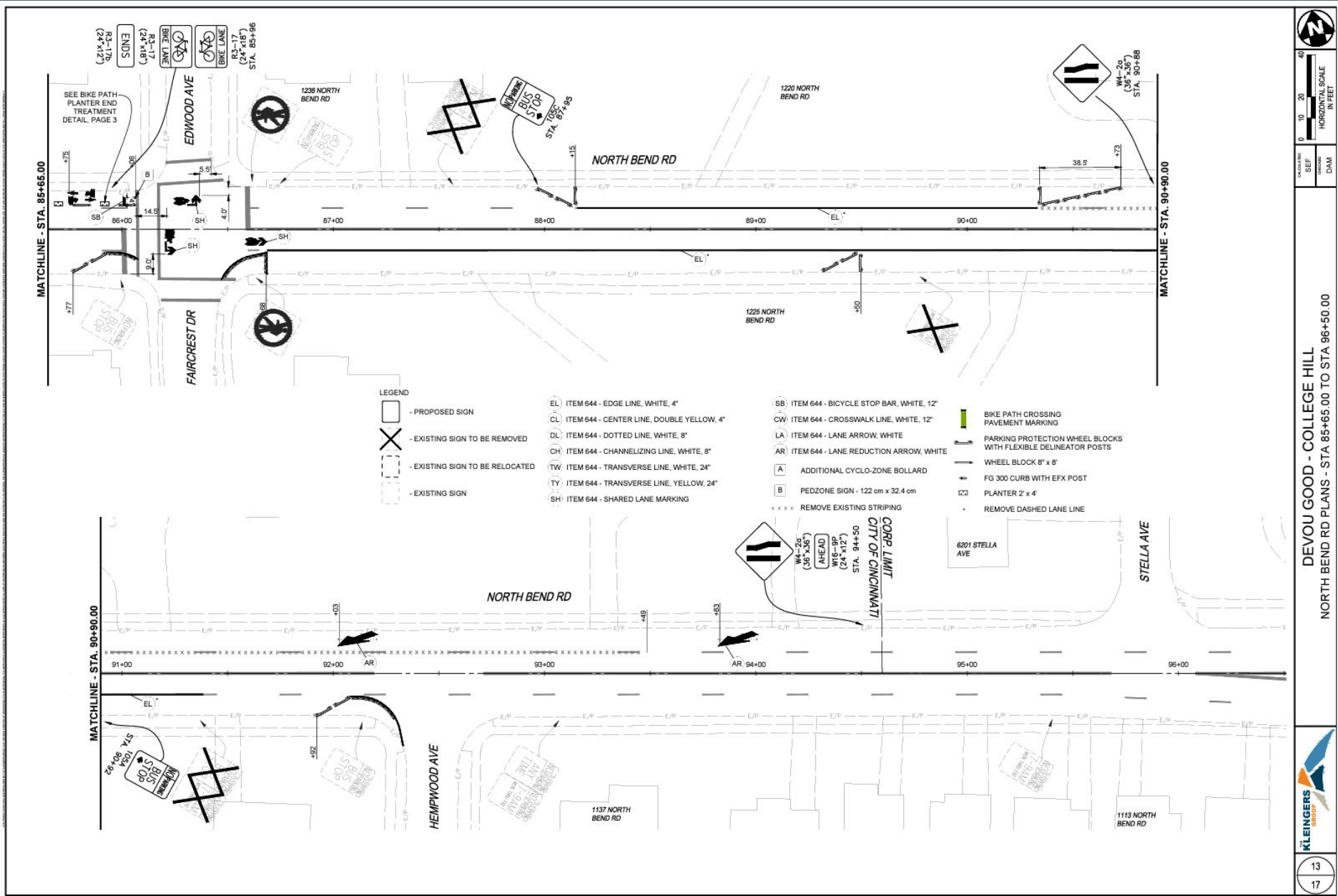


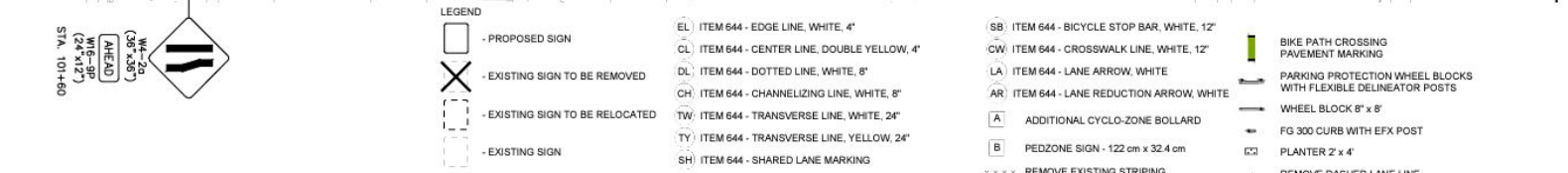
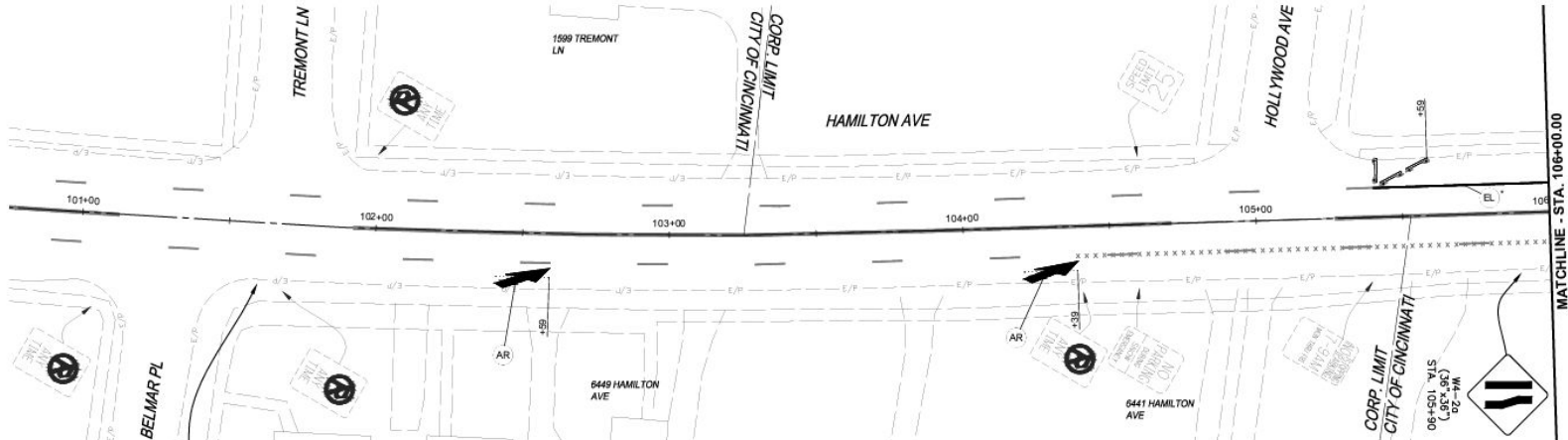


SEE PLAN FOR
 SEE
 DAM

DEVOU GOOD - COLLEGE HILL
 NORTH BEND RD PLANS - STA 76+00.00 TO STA 86+85.00







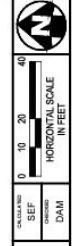
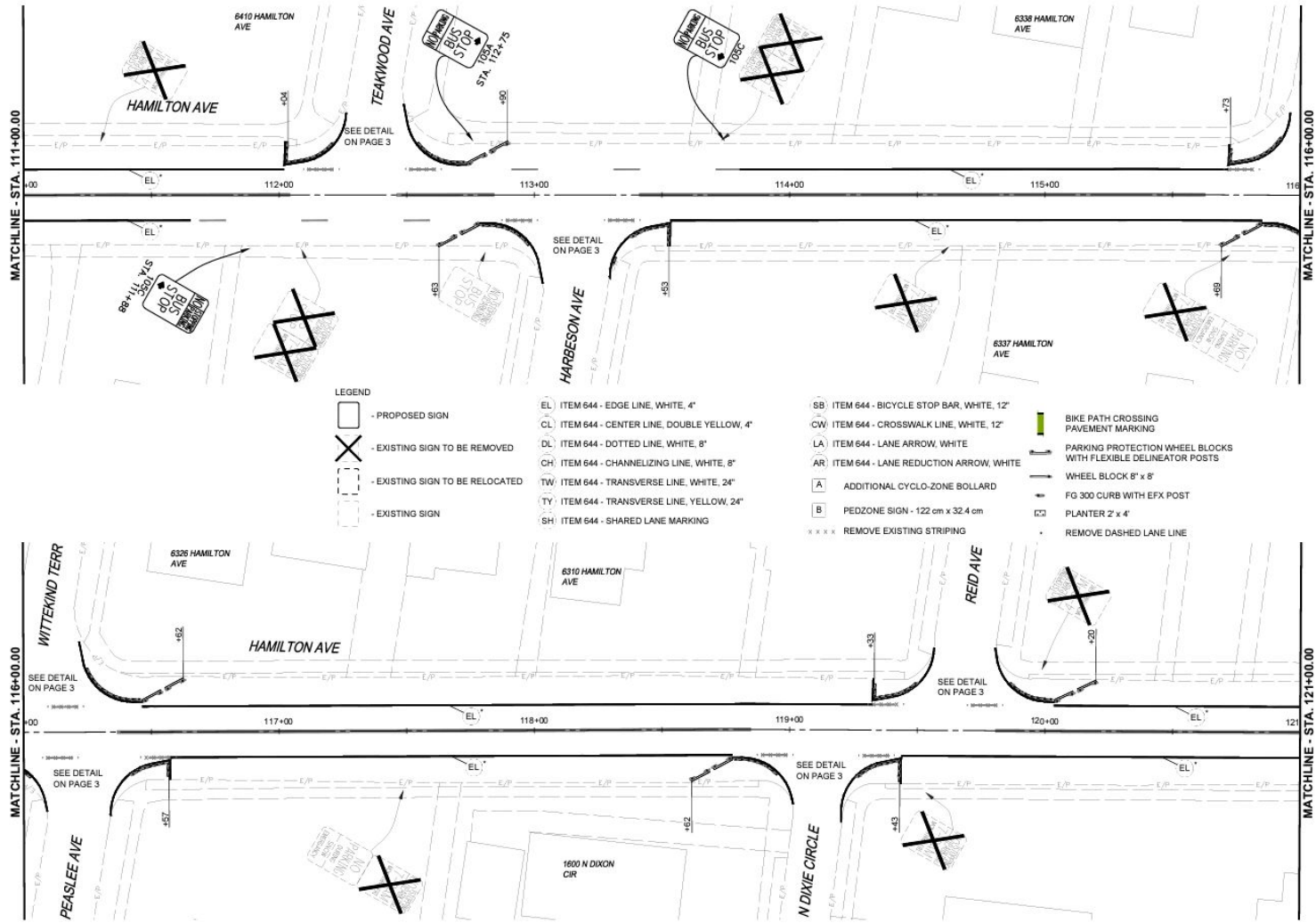
- LEGEND**
- PROPOSED SIGN
 - EXISTING SIGN TO BE REMOVED
 - EXISTING SIGN TO BE RELOCATED
 - EXISTING SIGN
- EL ITEM 644 - EDGE LINE, WHITE, 4"
 - CL ITEM 644 - CENTER LINE, DOUBLE YELLOW, 4"
 - DL ITEM 644 - DOTTED LINE, WHITE, 8"
 - CH ITEM 644 - CHANNELIZING LINE, WHITE, 8"
 - TW ITEM 644 - TRANSVERSE LINE, WHITE, 24"
 - TY ITEM 644 - TRANSVERSE LINE, YELLOW, 24"
 - SH ITEM 644 - SHARED LANE MARKING
- (SB) ITEM 644 - BICYCLE STOP BAR, WHITE, 12"
 - (CW) ITEM 644 - CROSSWALK LINE, WHITE, 12"
 - (LA) ITEM 644 - LANE ARROW, WHITE
 - (AR) ITEM 644 - LANE REDUCTION ARROW, WHITE
 - (A) ADDITIONAL CYCLO-ZONE BOLLARD
 - (B) PEDZONE SIGN - 122 cm x 32.4 cm
 - *** REMOVE EXISTING STRIPING
- BIKE PATH CROSSING PAVEMENT MARKING
 - PARKING PROTECTION WHEEL BLOCKS WITH FLEXIBLE DELINEATOR POSTS
 - WHEEL BLOCK 8" x 8"
 - FG 300 CURB WITH EFX POST
 - PLANTER 2' x 4'
 - REMOVE DASHED LANE LINE



DATE	BY	APP'D

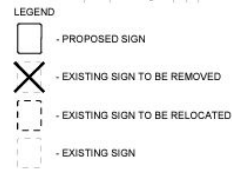
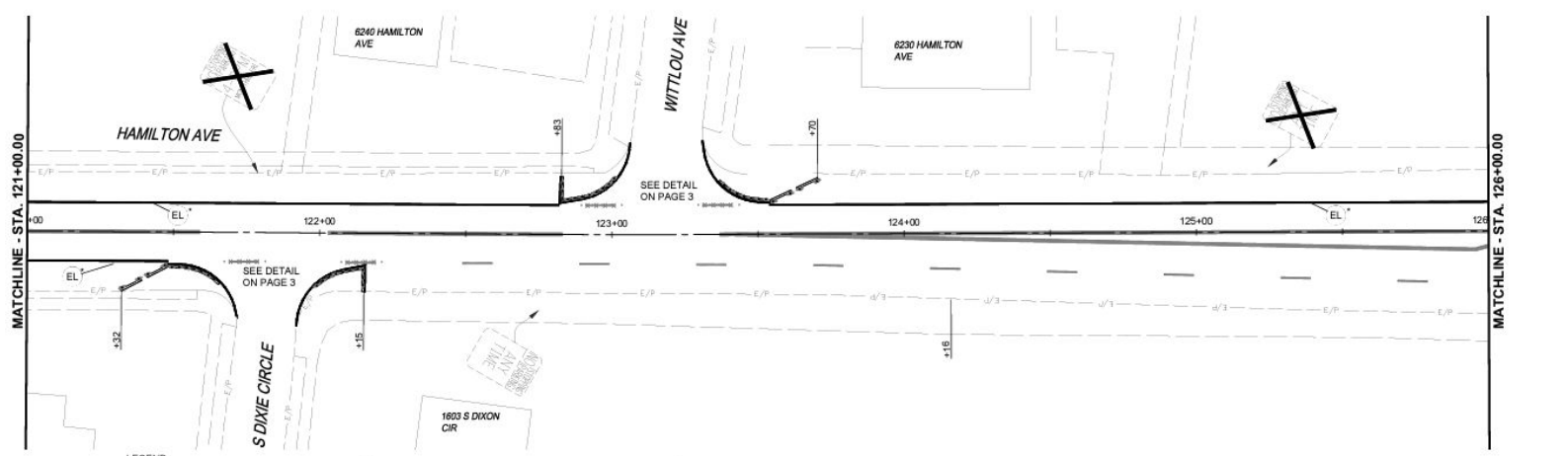
DEVOU GOOD - COLLEGE HILL
HAMILTON AVE PLANS - STA 101+00.00 TO STA 111+00.00



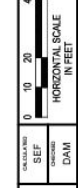


DEVOU GOOD - COLLEGE HILL
 HAMILTON AVE PLANS - STA 111+00.00 TO STA 121+00.00





- EL ITEM 644 - EDGE LINE, WHITE, 4"
- CL ITEM 644 - CENTER LINE, DOUBLE YELLOW, 4"
- DL ITEM 644 - DOTTED LINE, WHITE, 8"
- CH ITEM 644 - CHANNELIZING LINE, WHITE, 8"
- TW ITEM 644 - TRANSVERSE LINE, WHITE, 24"
- TY ITEM 644 - TRANSVERSE LINE, YELLOW, 24"
- SH ITEM 644 - SHARED LANE MARKING
- SB ITEM 644 - BICYCLE STOP BAR, WHITE, 12"
- CW ITEM 644 - CROSSWALK LINE, WHITE, 12"
- LA ITEM 644 - LANE ARROW, WHITE
- AR ITEM 644 - LANE REDUCTION ARROW, WHITE
- A ADDITIONAL CYCLO-ZONE BOLLARD
- B PEDZONE SIGN - 122 cm x 32.4 cm
- XXXX REMOVE EXISTING STRIPING
- BIKE PATH CROSSING PAVEMENT MARKING
- PARKING PROTECTION WHEEL BLOCKS WITH FLEXIBLE DELINEATOR POSTS
- WHEEL BLOCK 8" x 8"
- FG 300 CURB WITH EFX POST
- PLANTER 2' x 4'
- REMOVE DASHED LANE LINE





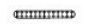


REVISIONS
 SEF
 DAM

DEVOU GOOD - COLLEGE HILL
 HAMILTON AVE PLANS - STA 121+00.00 TO STA 130+00.00



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-  (6) FG 300 EFX - 833 WITH CURB SYSTEMS IN YELLOW, 33" OVERALL HEIGHT
-  (3) FG 300 EFX - 833 WITH CURB SYSTEMS IN YELLOW, 33" OVERALL HEIGHT
-  (2) 4.5' TREE TOP PRODUCTS PREMIUM RUBBER SPEED BUMP SECTIONS WITH END CAPS.
-  (1) 4.5' TREE TOP PRODUCTS PREMIUM RUBBER SPEED BUMP SECTIONS WITH END CAPS.
-  (1) 8' INSITE SOLUTIONS, LLC (STOP-PAINTING.COM) CERAMIC ROAD REFLECTOR (BOT DOT), YELLOW W/1 TWO-WAY REFLECTORS. TWO-PART EPOXY INSTALL





GRAPHIC SCALE
IN FEET

CONTRACT NO.	SEE
SECTION	DAM

DEVOU GOOD - COLLEGE HILL
NORTH BEND ROAD AT HAMILTON AVENUE - CENTERLINE HARDENING DETAIL



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