

ORDINANCE NO. 2022-4
Introduced by William Biddlecombe

AN ORDINANCE AMENDING CODIFIED ORDINANCE SECTION 305.01, TRAFFIC CONTROL MAP, AND CODIFIED ORDINANCE SECTION 305.02, TRAFFIC CONTROL FILE, REGARDING THE FINAL STRIPING PLAN AND SIGNAGE FOR THE US ROUTE 6 BICYCLE LANES BETWEEN BERLIN ROAD AND WILLIAMS STREET, AND DECLARING AN EMERGENCY.

WHEREAS, on August 10, 2021, Huron City Council approved the final striping plan for the US Route 6 bicycle lanes, a copy of which is attached hereto as Exhibit "A".

**NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF
THE CITY OF HURON, OHIO:**

Section 1: That pursuant to Codified Ordinance Section 305.03(b), Amendments, amendments are hereby made to Codified Ordinance 305.01, Traffic Control Map, and Codified Ordinance Section 305.02 to include:

The final striping plan and signage for the US Route 6 bicycle lanes.

Section 2: That the Director of Streets shall oversee the erection, removal, and maintenance of only those authorized traffic control signals and devices as are necessary to regulate, warn, or guide traffic in accordance with the provisions of this Ordinance.

Section 3: That the Division of Police shall amend the Traffic Control Map and Traffic Control File in accordance with the provisions of this Ordinance.

Section 4: That this Council hereby finds and determines that all formal actions relative to the adoption of this Ordinance were taken in an open meeting of the Council and that all deliberations of this Council and of its committees, if any, which resulted in formal action, were taken in meetings open to the public in full compliance with applicable legal requirements, including Ohio R.C. 121.22.

Section 5: That this Ordinance is hereby declared to be an emergency measure necessary for the immediate preservation of the public health, safety and general welfare and for the further reason that, in order to effectively control traffic within the municipality, it is imperative this Ordinance be effective immediately; WHEREFORE, this Ordinance shall be in full force and effect from and immediately after its adoption and upon posting of the authorized traffic control signals and devices to regulate, warn or guide traffic in accordance with the provisions of this Ordinance.

ATTEST:


Clerk of Council


Monty Tapp, Mayor

ADOPTED:

11 JAN 2022



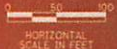
CITY OF HURON: U.S. 6 CORRIDOR

FUTURE TRAFFIC CONTROL - PROJECT 1
WILLIAMS STREET TO HURON RIVER

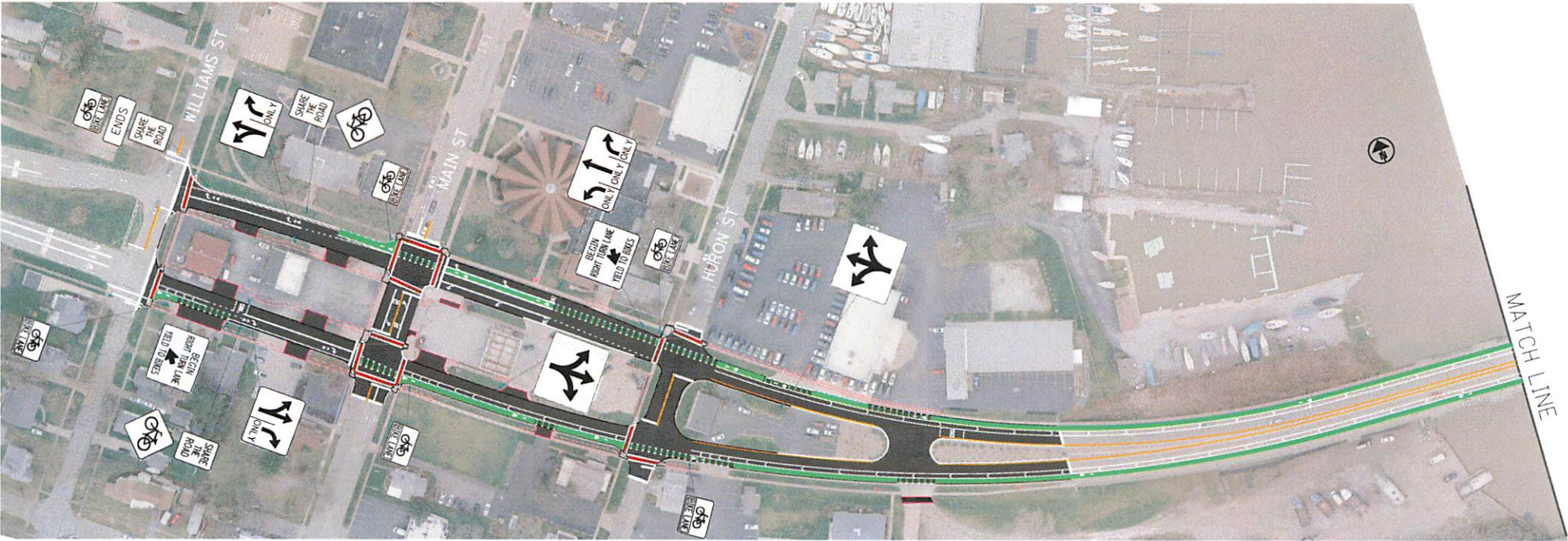
JULY 2021



OHM
OHM ADVISORS



HORIZONTAL
SCALE IN FEET



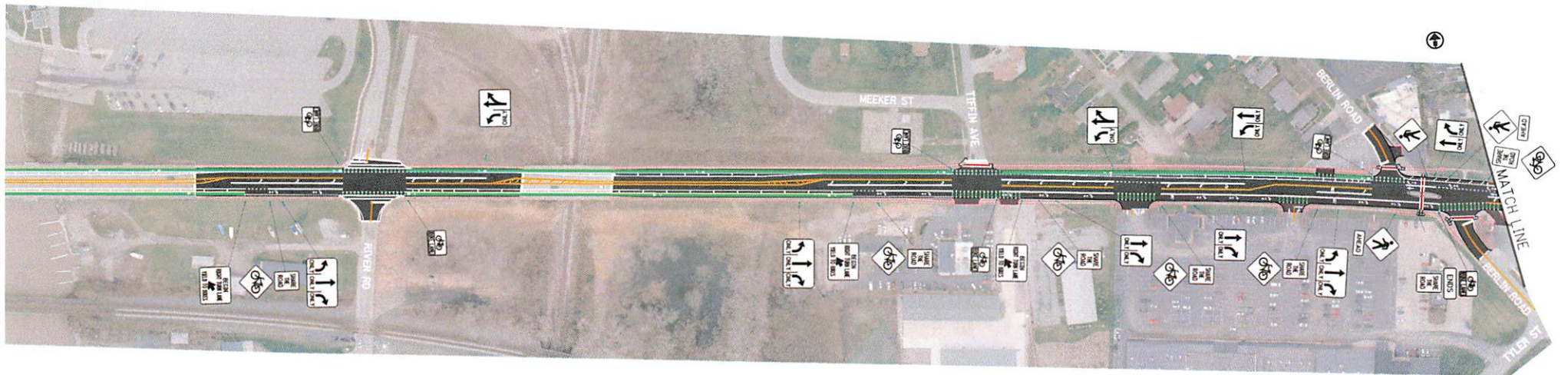


CITY OF HURON: U.S. 6 CORRIDOR

FUTURE TRAFFIC CONTROL - PROJECT 1
HURON RIVER TO BERLIN ROAD

JULY 2021

HORIZONTAL
SCALE: 1" = 100'



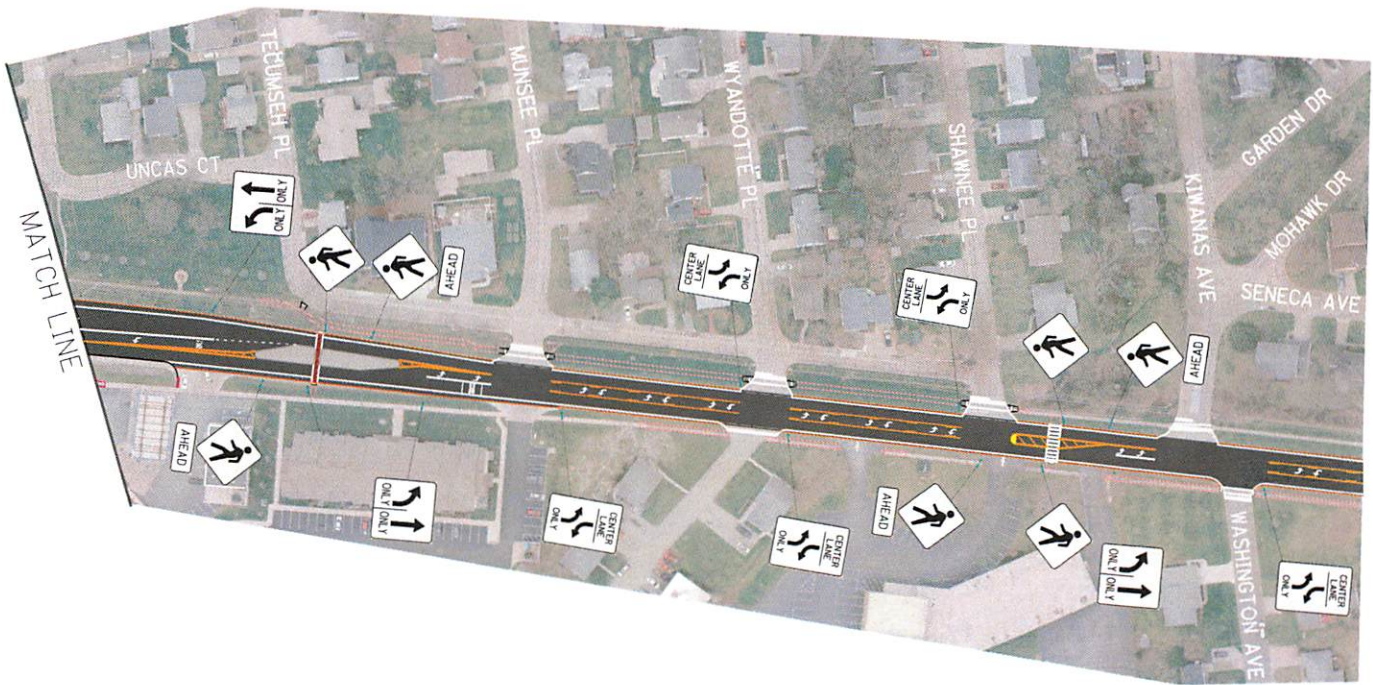


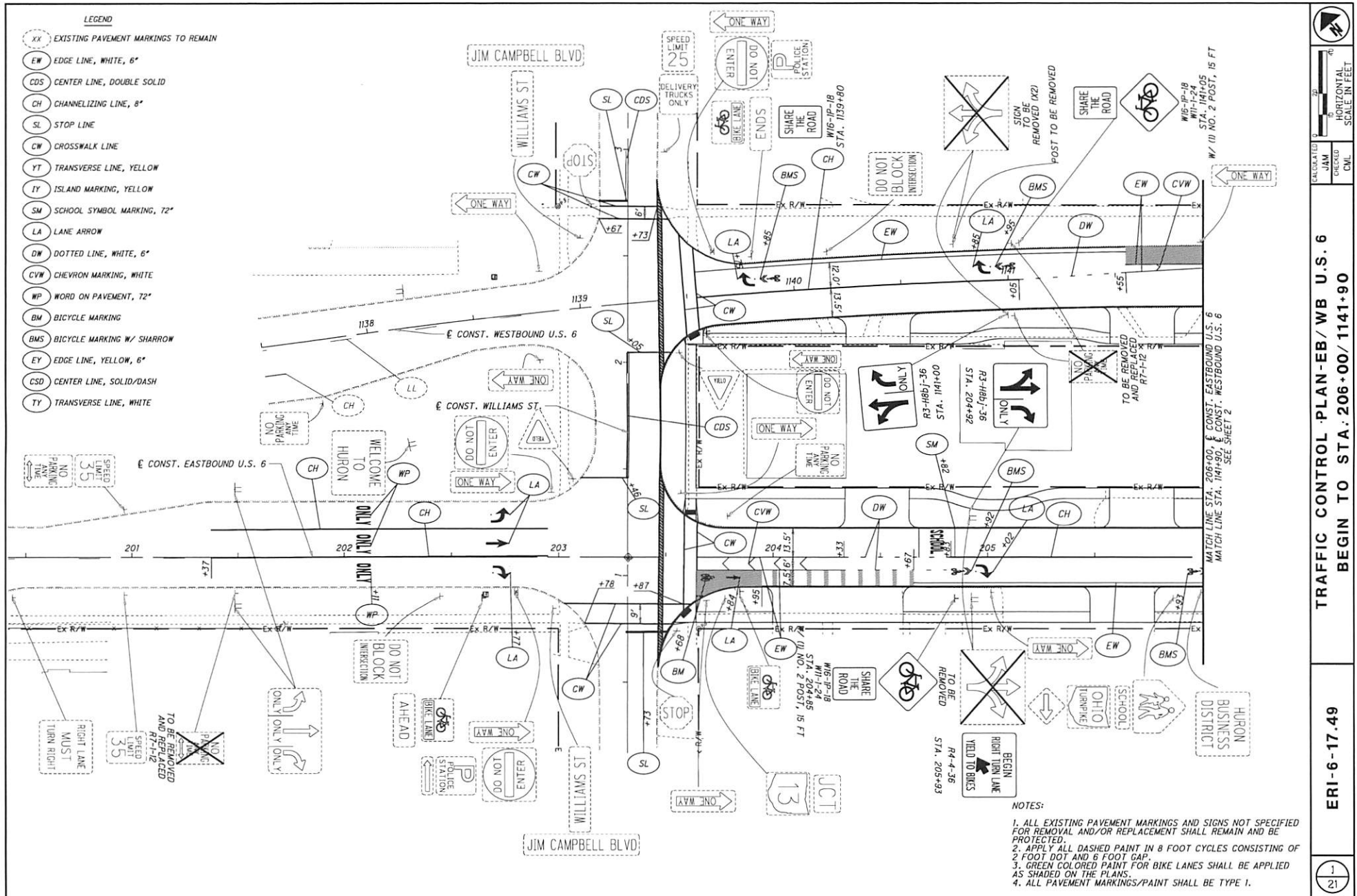
CITY OF HURON: U.S. 6 CORRIDOR

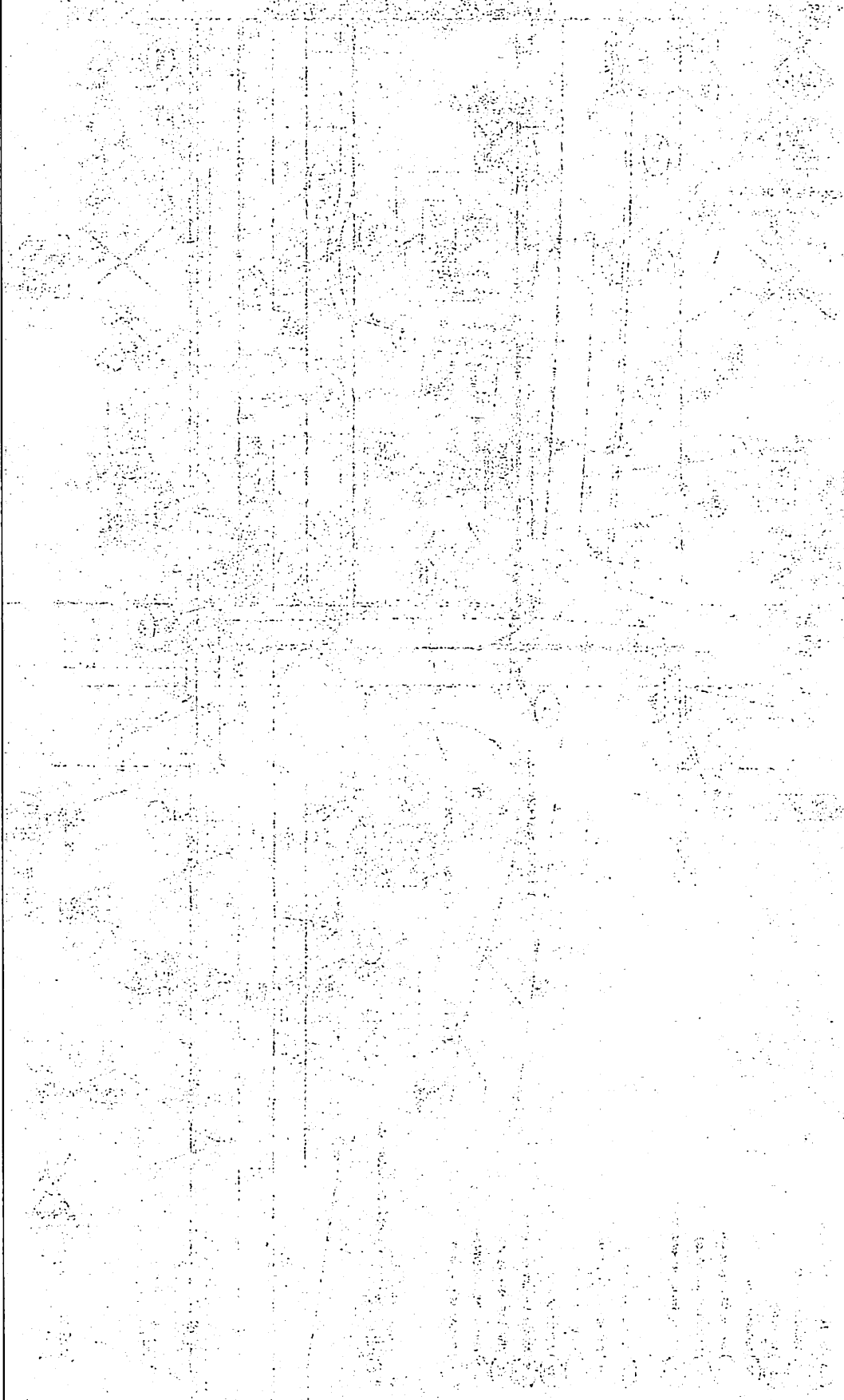
FUTURE TRAFFIC CONTROL - PROJECT 1
BERLIN ROAD TO WASHINGTON AVENUE

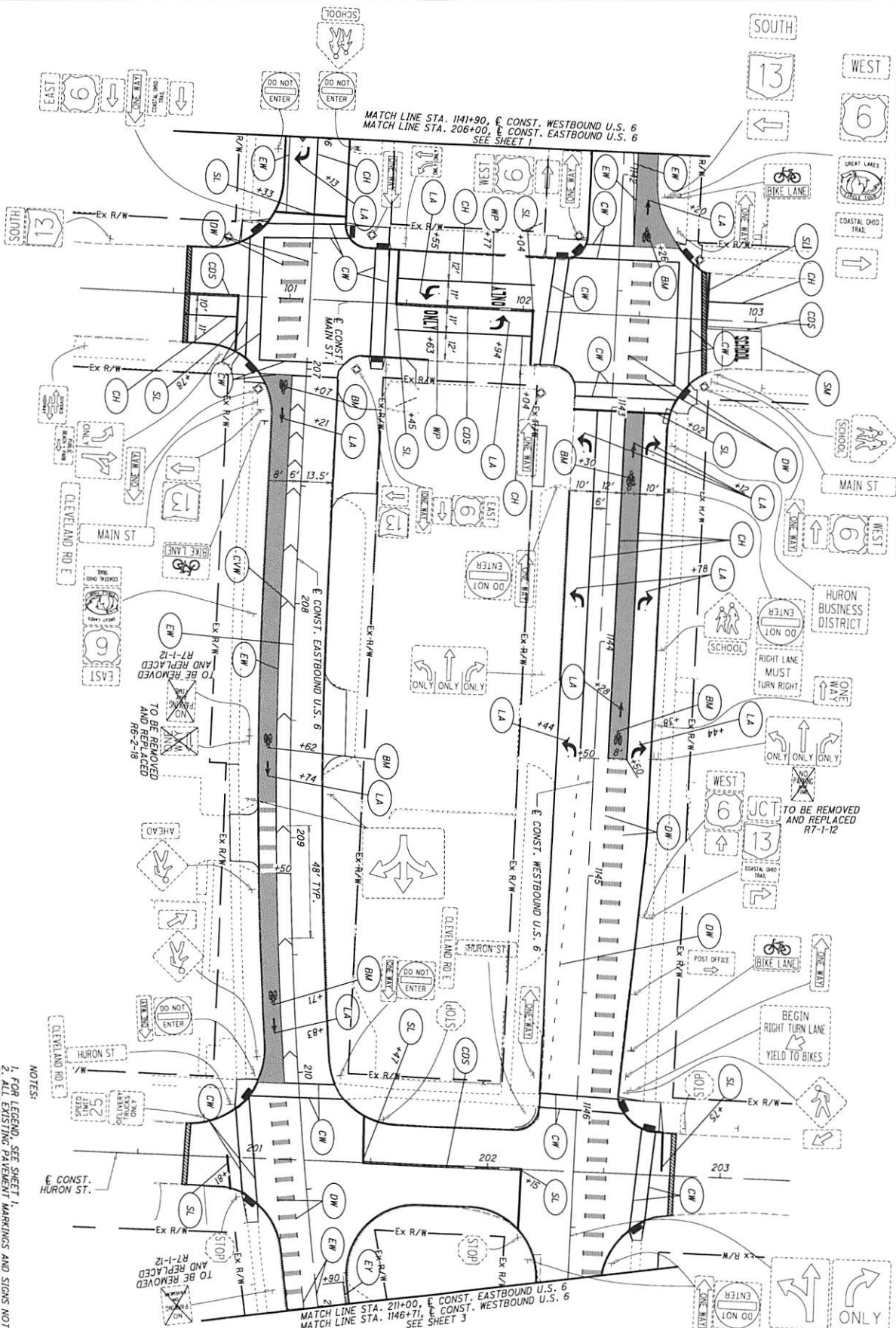
JULY 2021


OHM
OHM ADVISORS

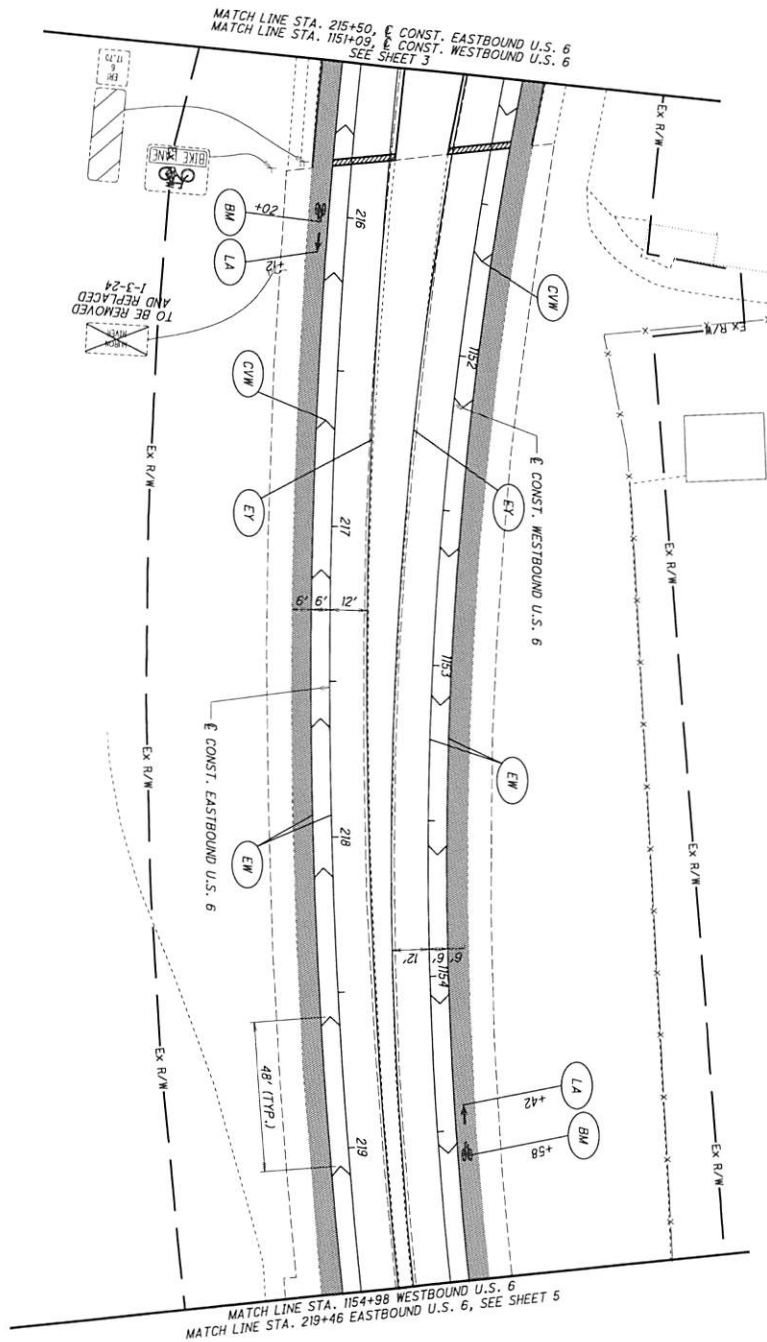












NOTES:

1. FOR LEGEND, SEE SHEET 1.
2. ALL EXISTING PAVEMENT MARKINGS AND SIGNS NOT SPECIFIED FOR REMOVAL AND/OR REPLACEMENT SHALL REMAIN AND BE PROTECTED.
3. ALL DASHED PAINT IN 8 FOOT CYCLES CONSISTING OF 3 FOOT DOT AND 5 FOOT GAP.
4. GREEN COLORED PAINT FOR BIKE LANES SHALL BE APPLIED AS SHOWN ON THE PLANS.
5. ALL PAVEMENT MARKINGS/PAINT SHALL BE TYPE 1.

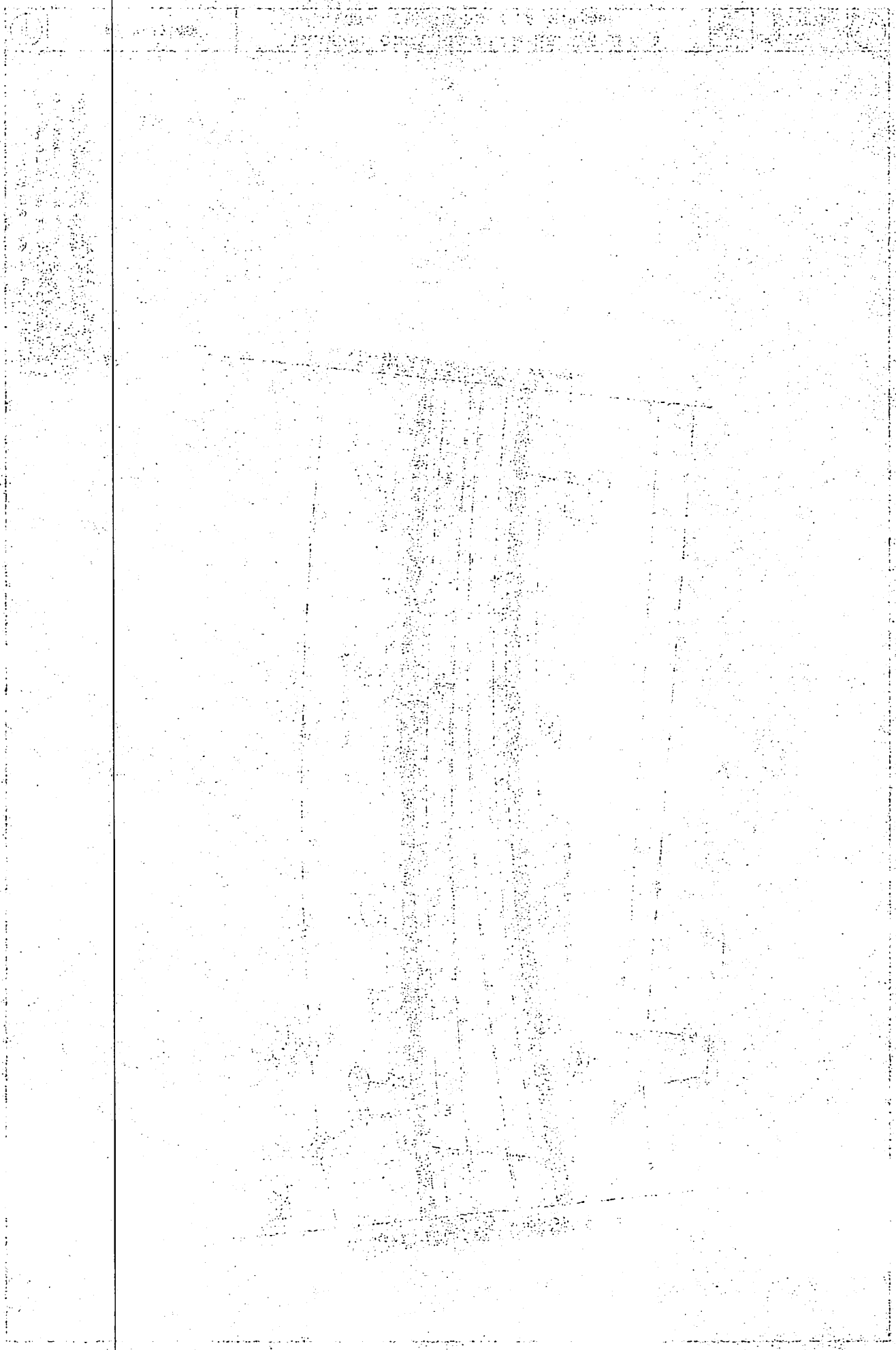
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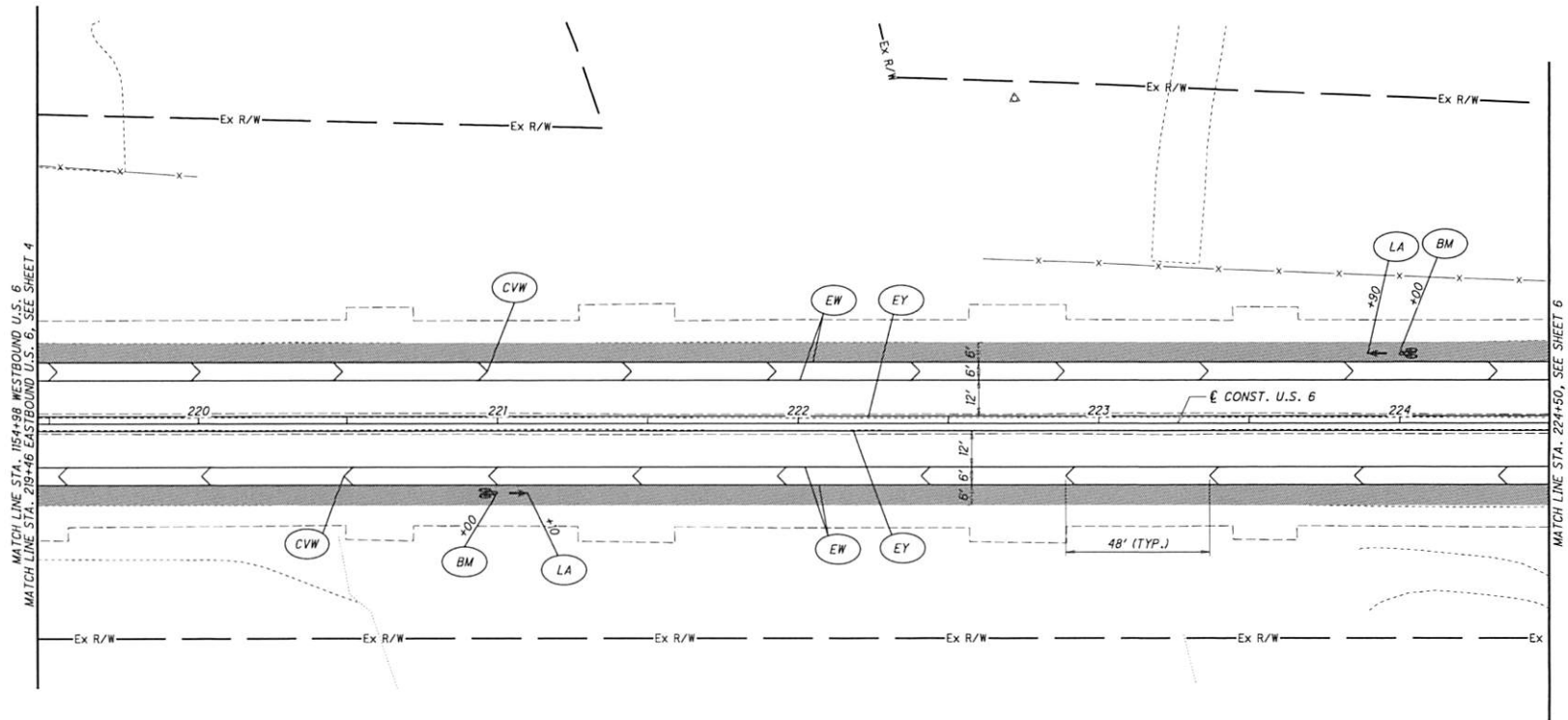
TRAFFIC CONTROL PLAN-EB/ WB U.S. 6
 STA. 215+50 TO STA. 219+46

CALCULATED	JAM
CHECKED	CML

HORIZONTAL SCALE IN FEET







NOTES:

1. FOR LEGEND, SEE SHEET 1.
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3. APPLY ALL DASHED PAINT IN 8 FOOT CYCLES CONSISTING OF 2 FOOT DOT AND 6 FOOT GAP.
4. GREEN COLORED PAINT FOR BIKE LANES SHALL BE APPLIED AS SHOWN ON THE PLANS.
5. ALL PAVEMENT MARKINGS/PAINT SHALL BE TYPE 1.

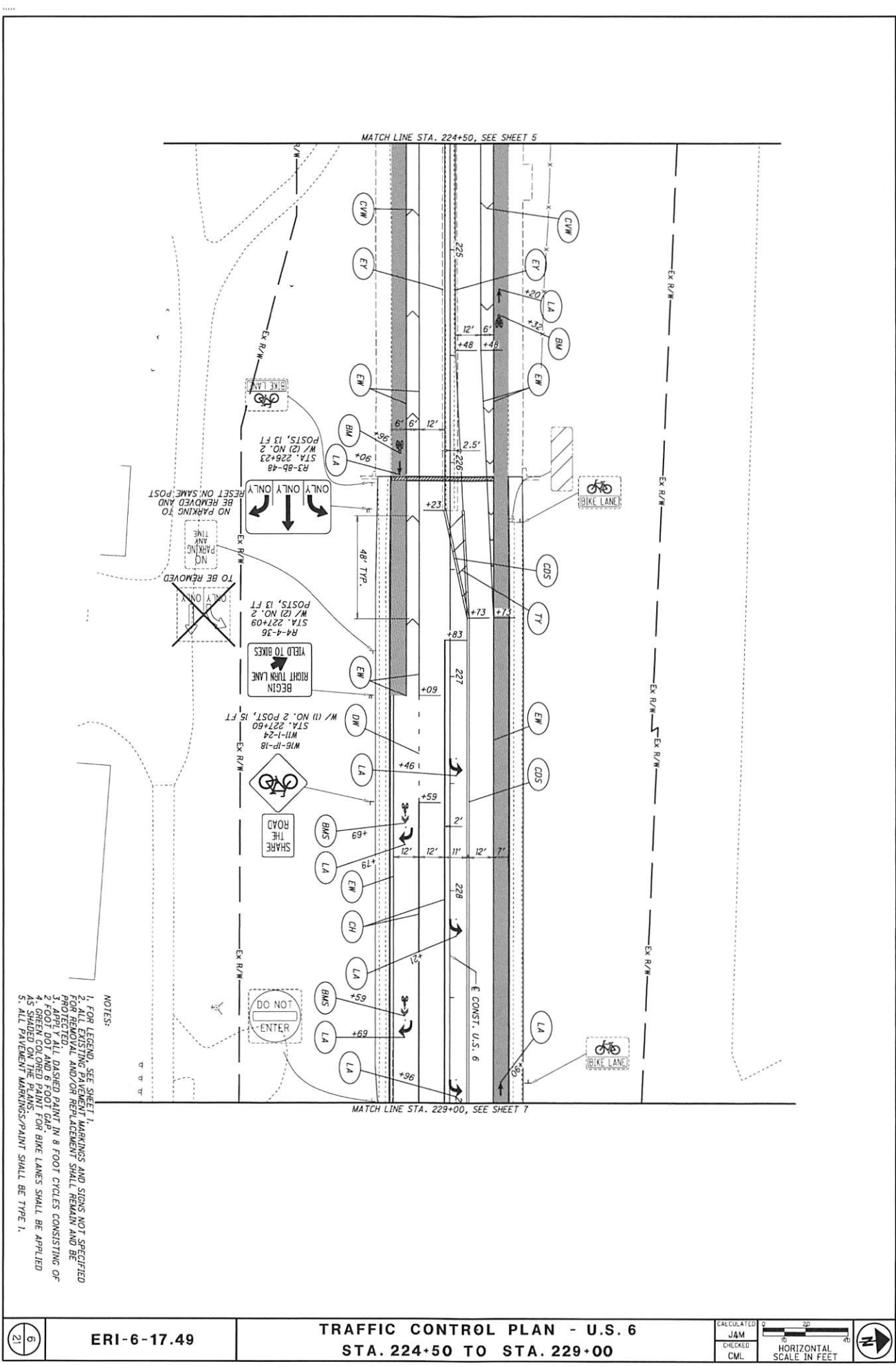


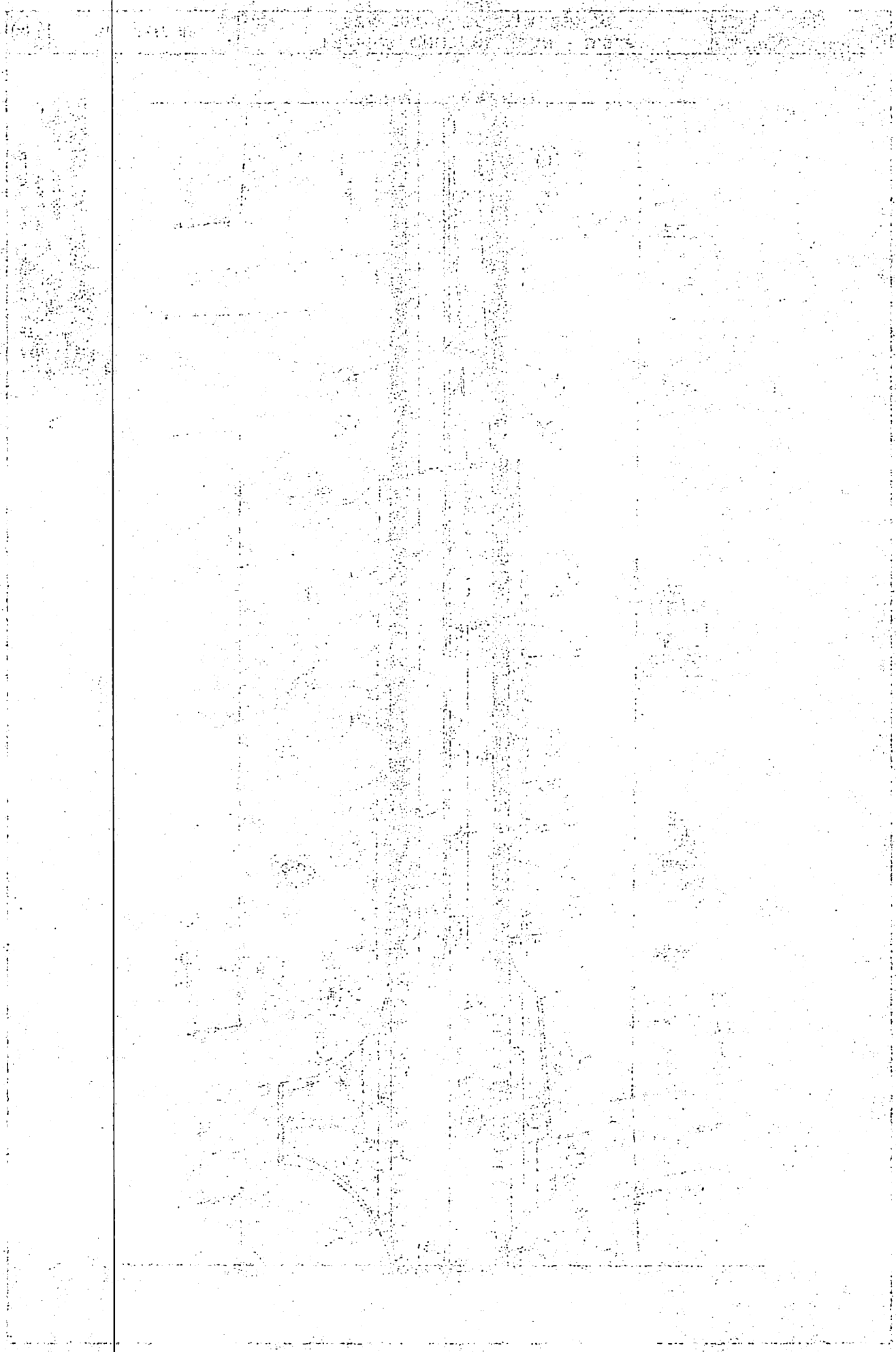
CALCULATED
JAM
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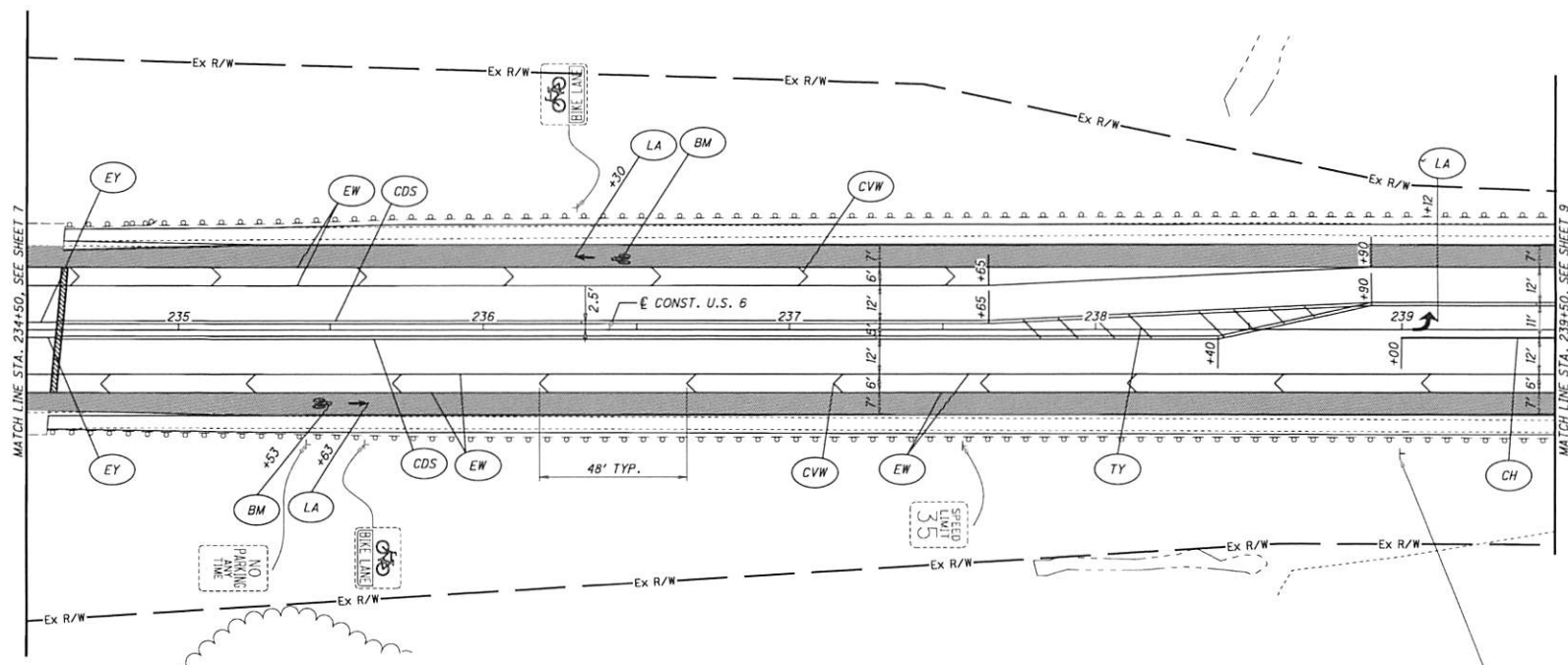
TRAFFIC CONTROL PLAN - U.S. 6
STA. 219+46 TO STA. 224+50

ERI-6-17.49

5
21







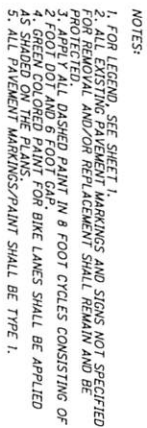
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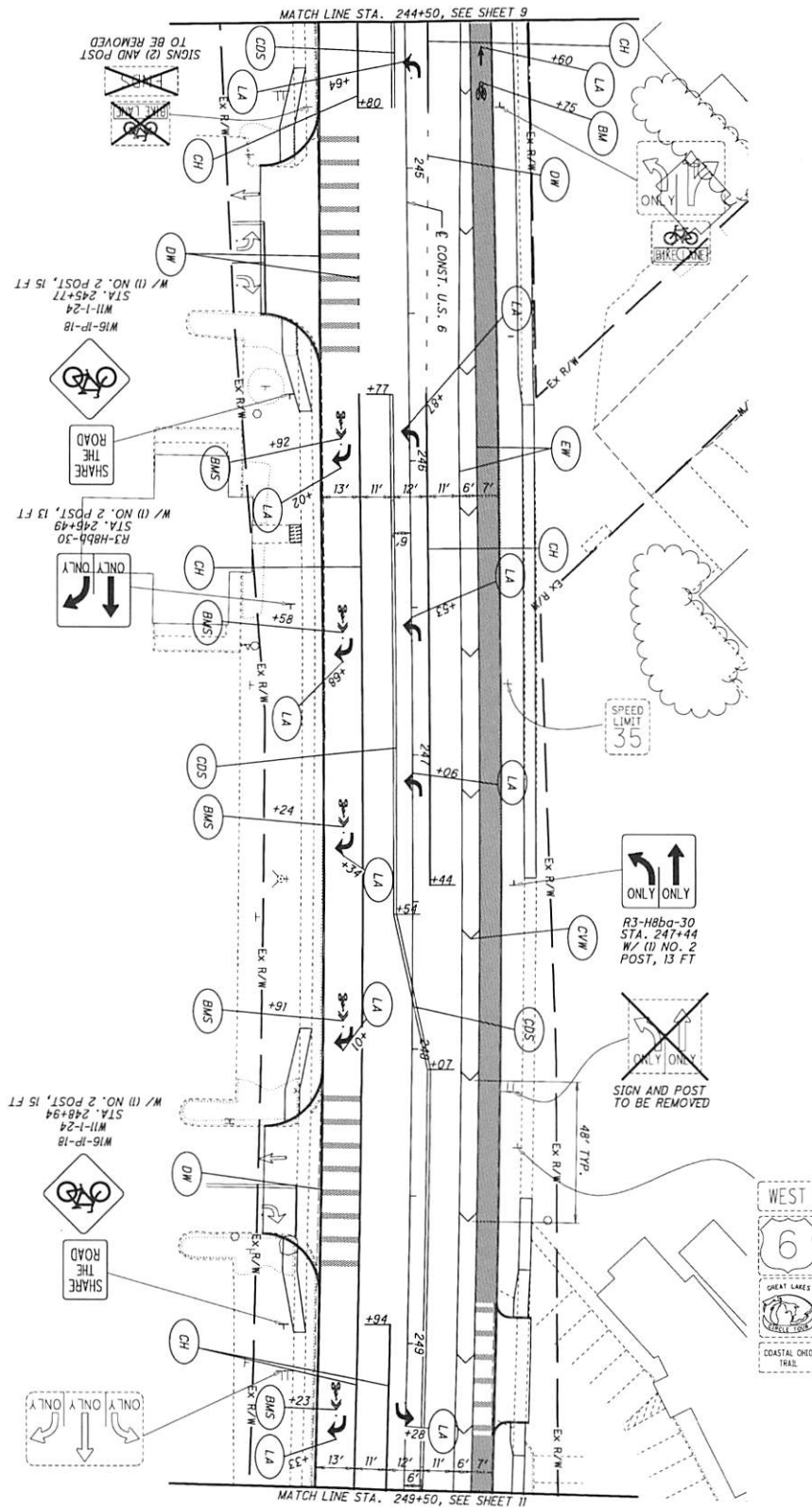
1. FOR LEGEND, SEE SHEET 1.
2. ALL EXISTING PAVEMENT MARKINGS AND SIGNS NOT SPECIFIED FOR REMOVAL AND/OR REPLACEMENT SHALL REMAIN AND BE PROTECTED.
3. APPLY ALL DASHED PAINT IN 8 FOOT CYCLES CONSISTING OF 2' FOOT DOT AND 6' FOOT GAP.
4. GREEN COLORED PAINT FOR BIKE LANES SHALL BE APPLIED AS SHOWN ON THE PLANS.
5. ALL PAVEMENT MARKINGS/PAINT SHALL BE TYPE 1.



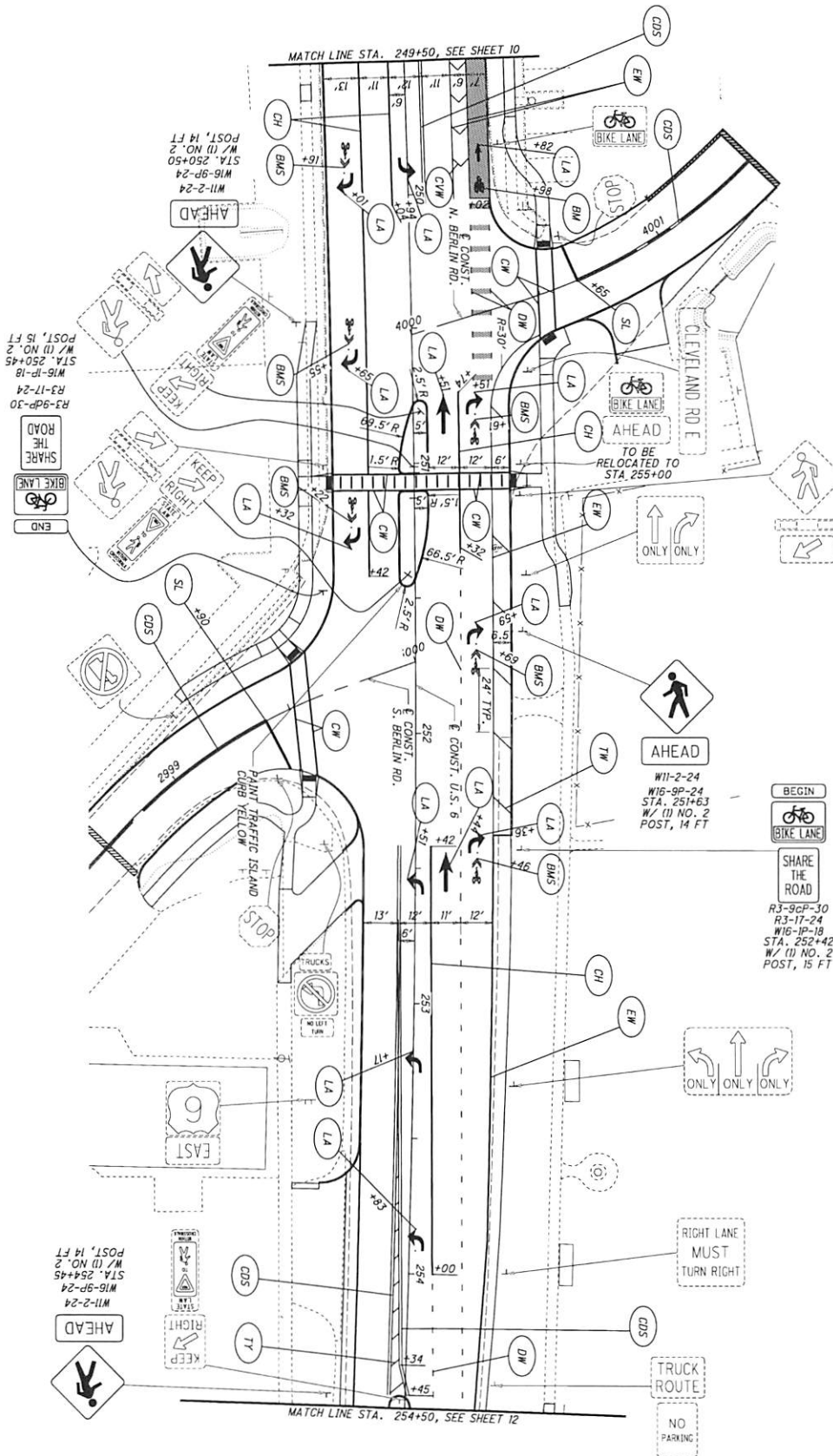
TRAFFIC CONTROL PLAN - U.S. 6
STA. 234+50 TO STA. 239+50

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- NOTES:
1. FOR LEGEND, SEE SHEET 1.
 2. ALL EXISTING PAVEMENT MARKINGS AND SIGNS NOT SPECIFIED FOR REMOVAL, AND/OR REPLACEMENT SHALL REMAIN AND BE PROTECTED.
 3. DASHED PAINT IN 8 FOOT CYCLES CONSISTING OF 2 FOOT DOT AND 6 FOOT GAP.
 4. GREEN COLORED PAINT FOR BIKE LANES SHALL BE APPLIED AS SHOWN ON THE PLANS.
 5. ALL PAVEMENT MARKINGS/PAINT SHALL BE TYPE 1.

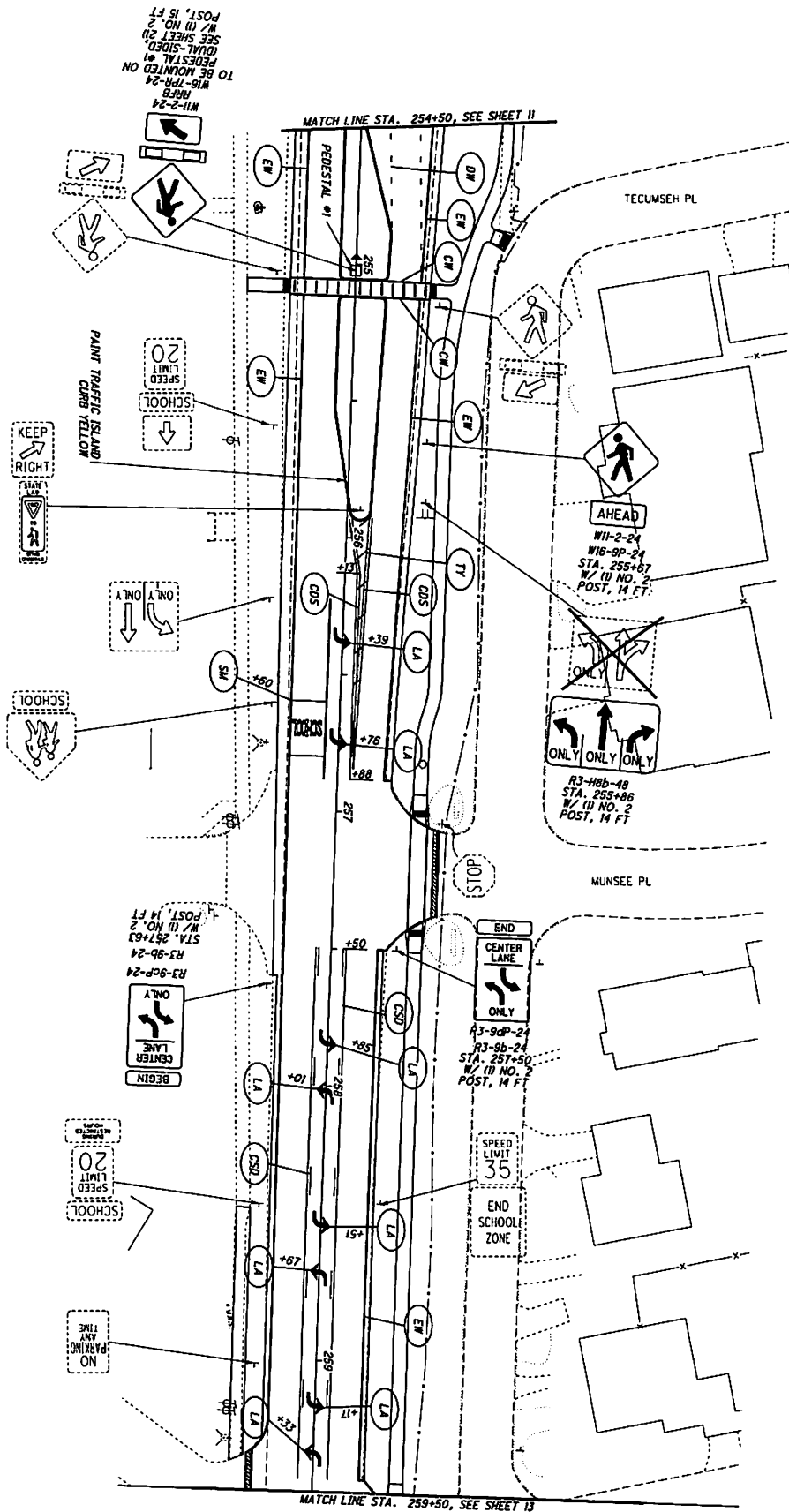


- NOTES:
1. FOR LEGEND, SEE SHEET 1.
 2. ALL EXISTING PAVEMENT MARKINGS AND SIGNS NOT SPECIFIED FOR REMOVAL AND/OR REPLACEMENT SHALL REMAIN AND BE PROTECTED.
 3. ALL DASHED PAINT IN 8 FOOT CYCLES CONSISTING OF 2 FOOT DOT AND 6 FOOT GAP.
 4. GREEN COLORED PAINT FOR BIKE LANES SHALL BE APPLIED AS SHOWN ON THE PLANS.
 5. ALL PAVEMENT MARKINGS/PAINT SHALL BE TYPE 1.

ERI-6-17.49

TRAFFIC CONTROL PLAN - U.S. 6
STA. 249+50 TO STA. 254+50

11	21
CALCULATED JAM	CHECKED CML
HORIZONTAL SCALE IN FEET	
20	
20	



- NOTES:
1. FOR LEGEND, SEE SHEET 1.
 2. ALL EXISTING PAVEMENT MARKINGS AND SIGNS NOT SPECIFIED FOR REMOVAL AND/OR REPLACEMENT SHALL REMAIN AND BE REPAIRED.
 3. APPLY ALL DASHED PAINT IN 8 FOOT CYCLES CONSISTING OF 2 FOOT DOT AND 6 FOOT GAP.
 4. GREEN DOTTED PAINT FOR BIKE LANES SHALL BE APPLIED AS SHOWN ON THE PLAN.
 5. ALL PAVEMENT MARKINGS/PAINT SHALL BE TYPE 1.

21

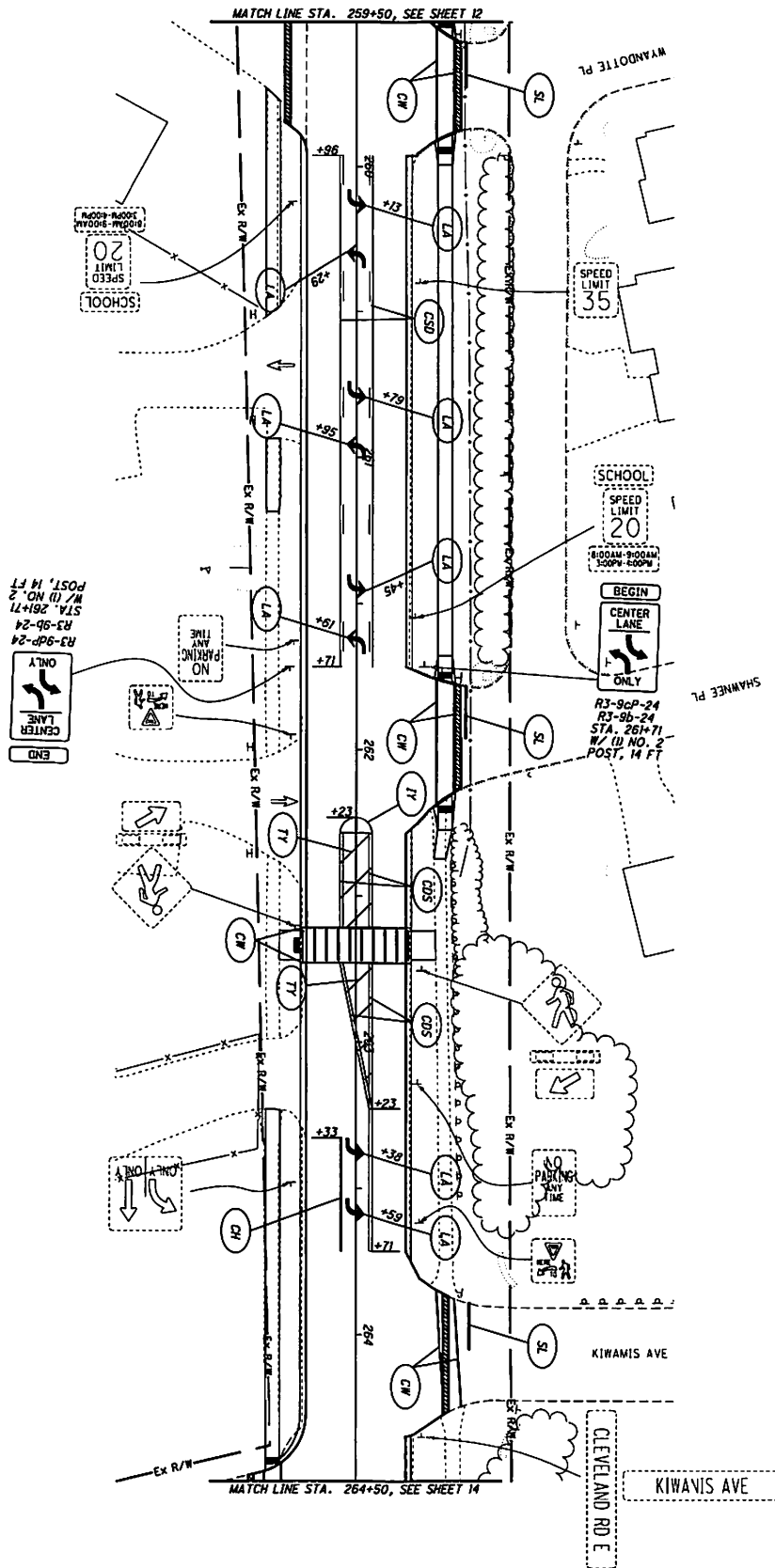
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TRAFFIC CONTROL PLAN - U.S. 6
STA. 254+50 TO STA. 259+50

CALCULATED
JAM
CHECKED
CML

0 20 40
HORIZONTAL
SCALE IN FEET



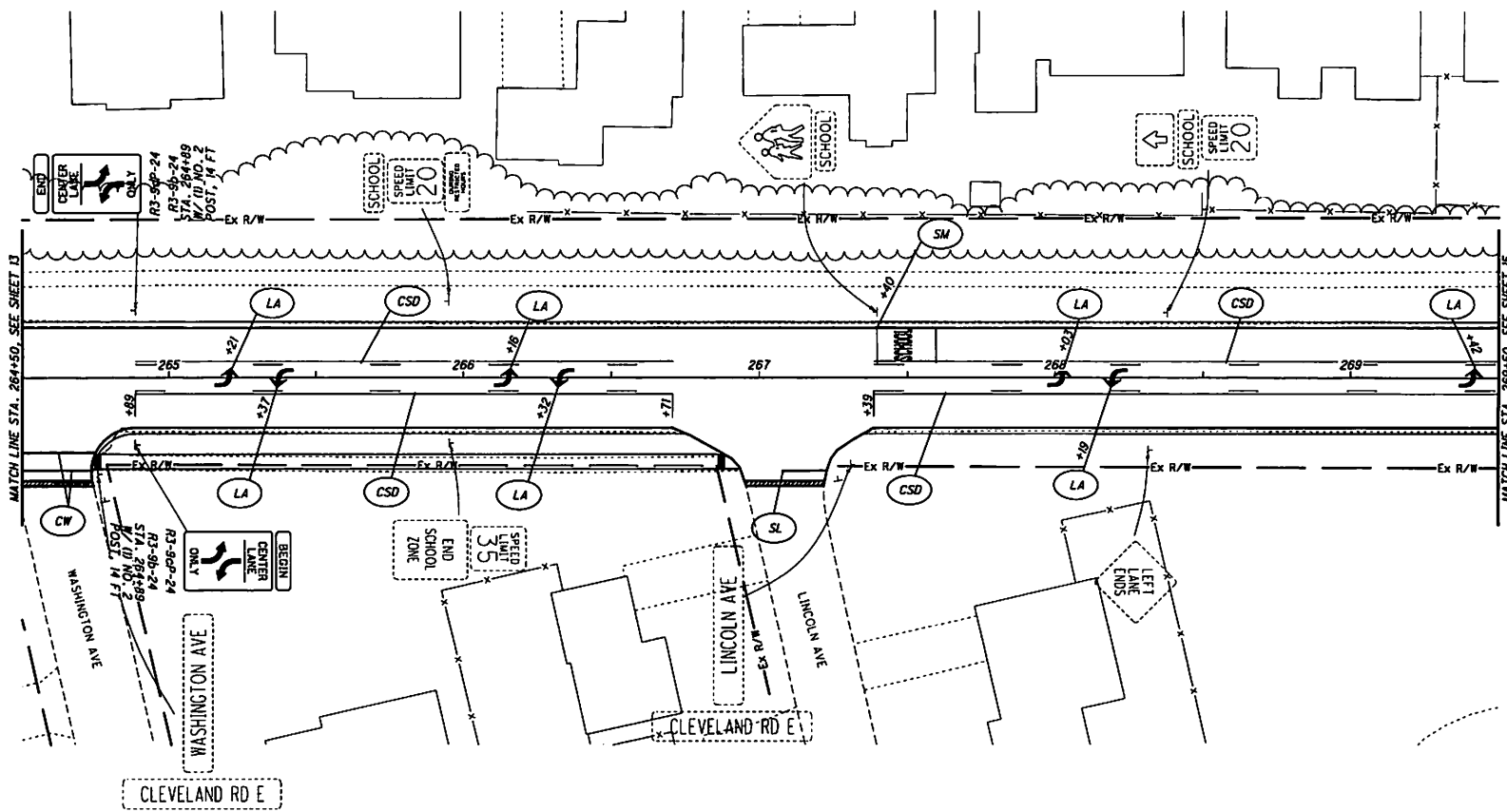


- NOTES:
1. FOR LEGEND, SEE SHEET 1.
 2. ALL EXISTING PAVEMENT MARKINGS AND SIGNS NOT SPECIFIED FOR REMOVAL, AND/OR REPLACEMENT SHALL REMAIN AND BE PRESERVED.
 3. APPLY ALL DASHED PAINT IN 8 FOOT CYCLES CONSISTING OF 2 FOOT DOT AND 6 FOOT GAP.
 4. GREEN COLORED PAINT FOR BIKE LANES SHALL BE APPLIED AS SHOWN ON THE PLANS.
 5. ALL PAVEMENT MARKINGS/PAINT SHALL BE TYPE 1.

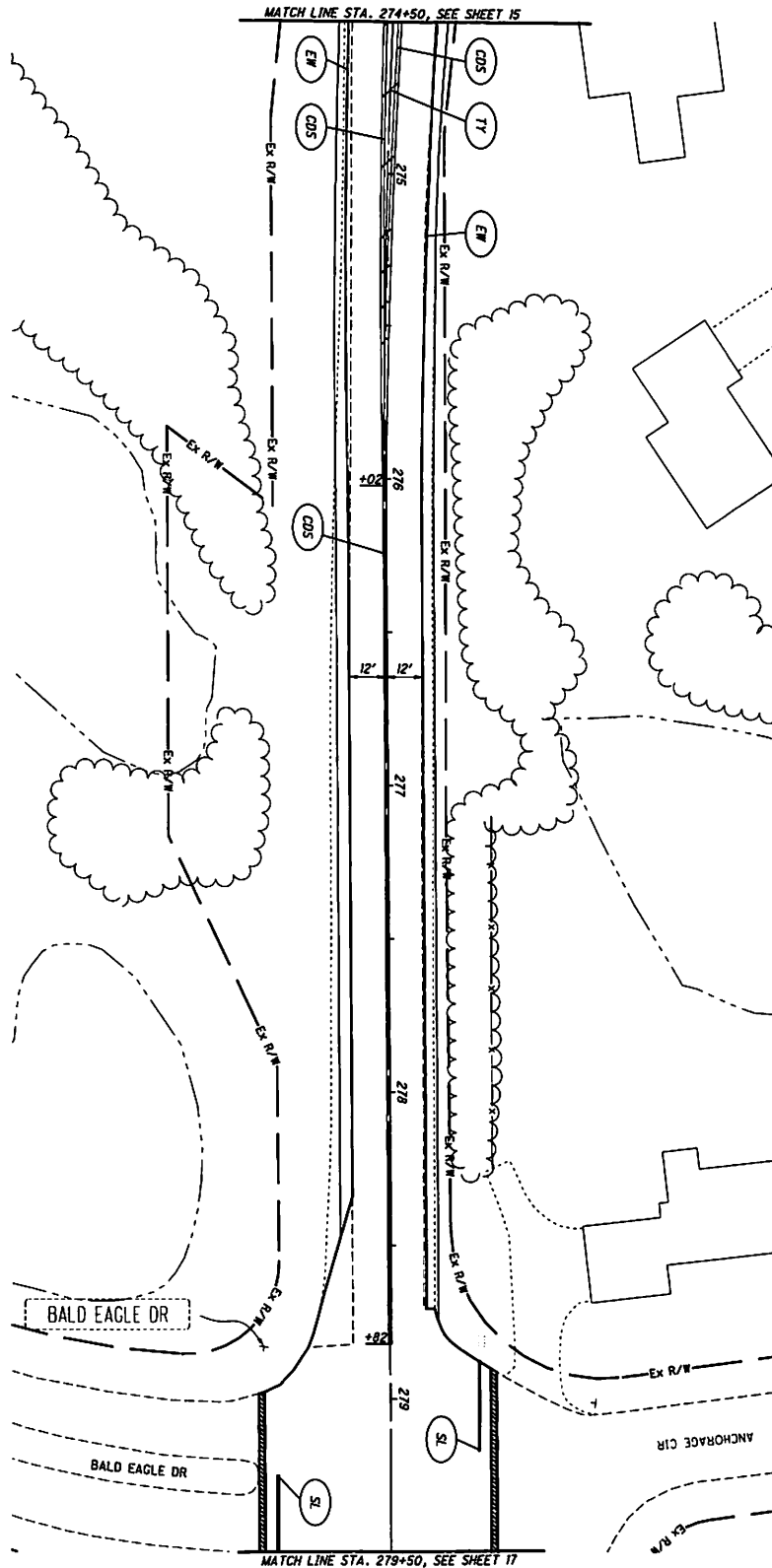
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11





- NOTES:
1. FOR LEGEND, SEE SHEET 1.
 2. ALL EXISTING PAVEMENT MARKINGS AND SIGNS NOT SPECIFIED FOR REMOVAL AND/OR REPLACEMENT SHALL REMAIN AND BE PROTECTED.
 3. APPLY ALL DASHED PAINT IN 8 FOOT CYCLES CONSISTING OF 2 FOOT DOT AND 6 FOOT GAP.
 4. GREEN COLORED PAINT FOR BIKE LANES SHALL BE APPLIED AS SHOWN ON THE PLANS.
 5. ALL PAVEMENT MARKINGS/PAINT SHALL BE TYPE 1.



- NOTES:
1. FOR LEGEND, SEE SHEET 1.
 2. ALL EXISTING PAVEMENT MARKINGS AND SIGNS NOT SPECIFIED TO BE REMOVED SHALL REMAIN AND BE PROTECTED.
 3. APPLY ALL DASHED PAINT IN 8 FOOT CYCLES CONSISTING OF 2 FOOT DOT AND 6 FOOT GAP.
 4. GREEN COLORED PAINT FOR BIKE LANES SHALL BE APPLIED TO THE PAVEMENT.
 5. ALL PAVEMENT MARKINGS/PAINT SHALL BE TYPE 1.

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21

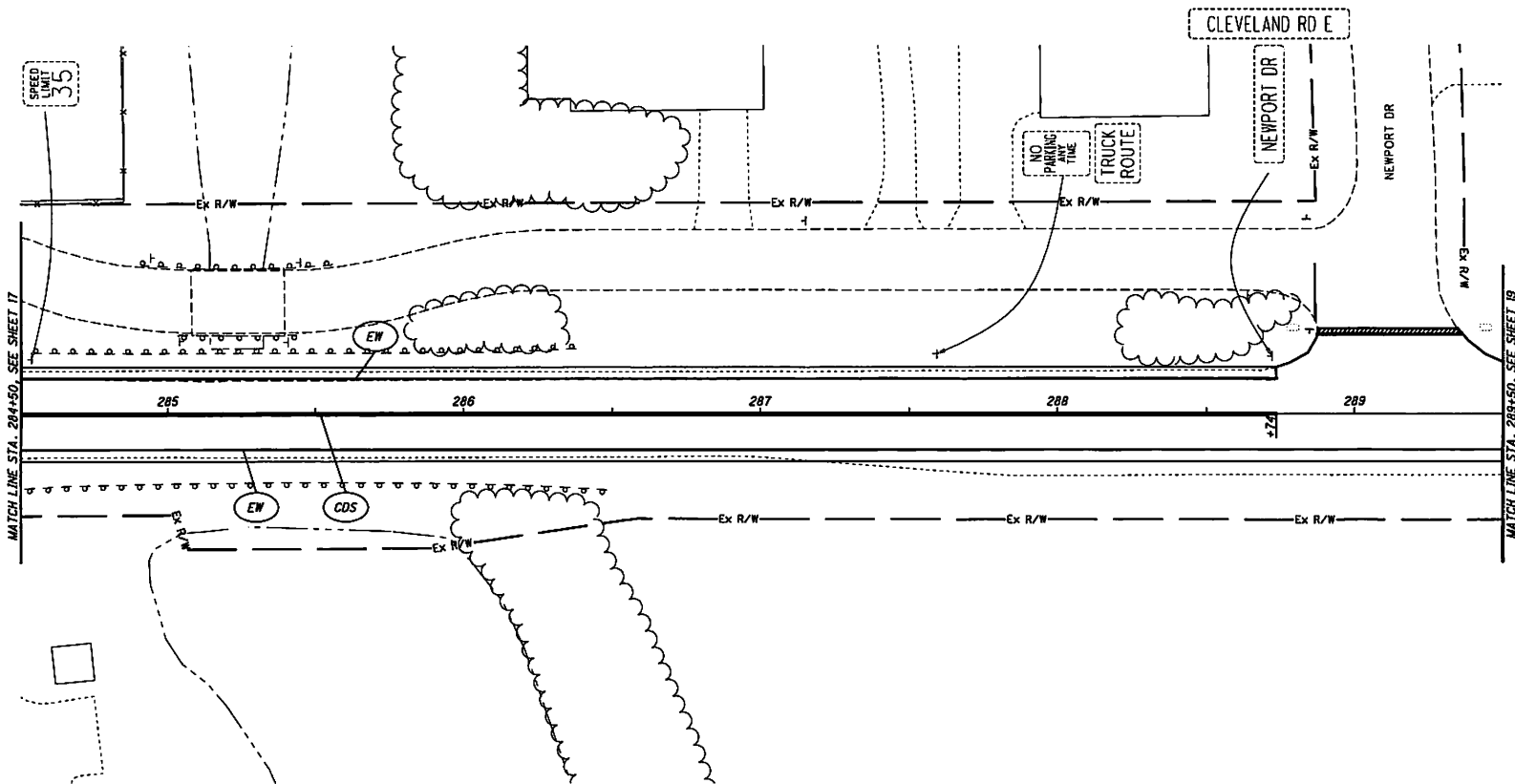
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TRAFFIC CONTROL PLAN - U.S. 6
STA. 274+50 TO STA. 279+50

CALCULATED
JAM
CHECKED
CML

0 20 40
15
HORIZONTAL
SCALE IN FEET





NOTES:

1. FOR LEGEND, SEE SHEET 1.
2. ALL EXISTING PAVEMENT MARKINGS AND SIGNS NOT SPECIFIED FOR REMOVAL AND/OR REPLACEMENT SHALL REMAIN AND BE PROTECTED.
3. APPLY ALL DASHED PAINT IN 8 FOOT CYCLES CONSISTING OF 2 FOOT DOT AND 6 FOOT GAP.
4. GREEN COLORED PAINT FOR BIKE LANES SHALL BE APPLIED AS SHOWN ON THE PLANS.
5. ALL PAVEMENT MARKINGS/PAINT SHALL BE TYPE 1.



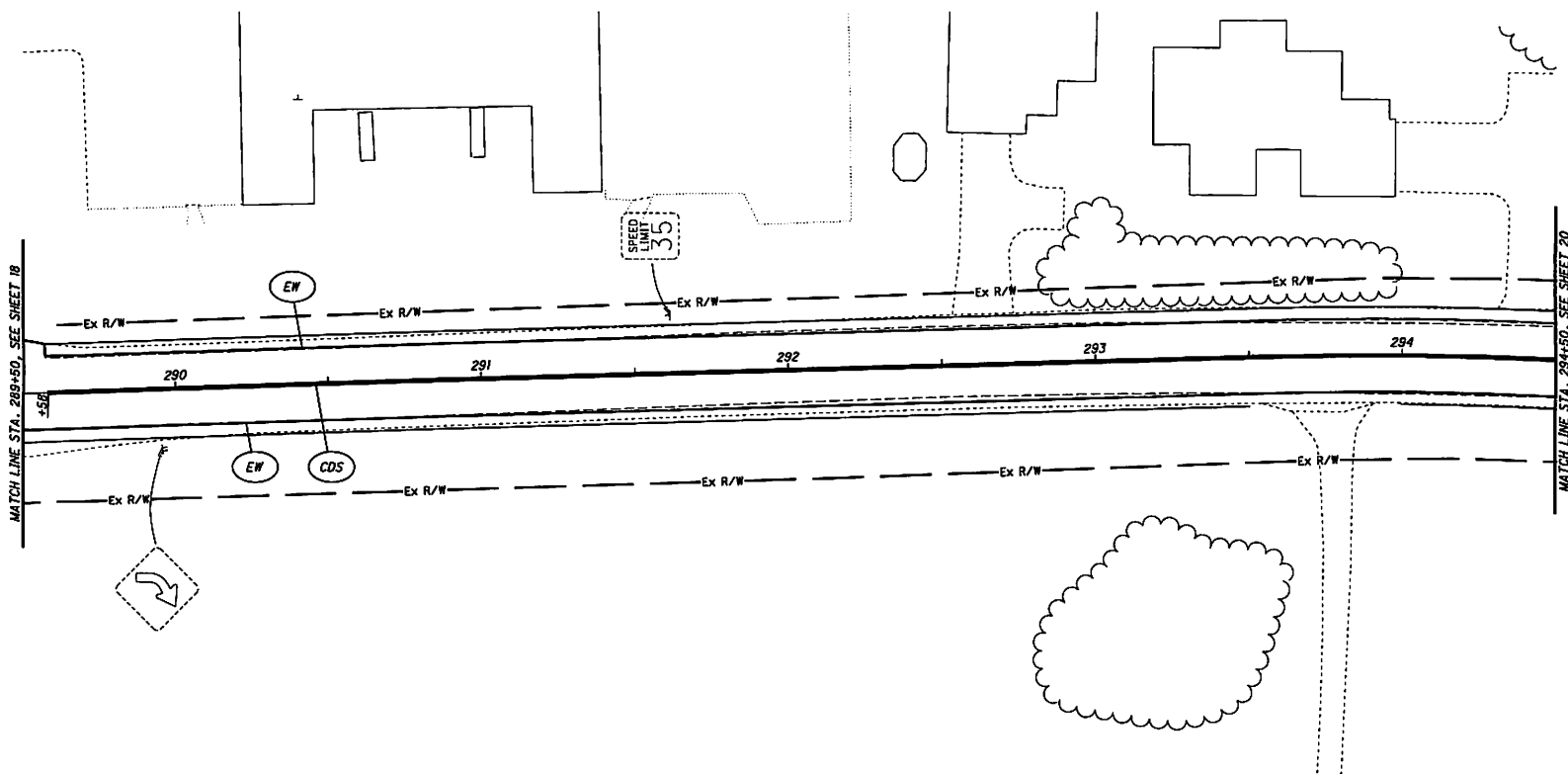
0 10 20
HORIZONTAL
SCALE IN FEET

CALCULATED
JAM
CHECKED
CML

TRAFFIC CONTROL PLAN - U.S. 6
STA. 284+50 TO STA. 289+50

ERI-6-17.49

18
21

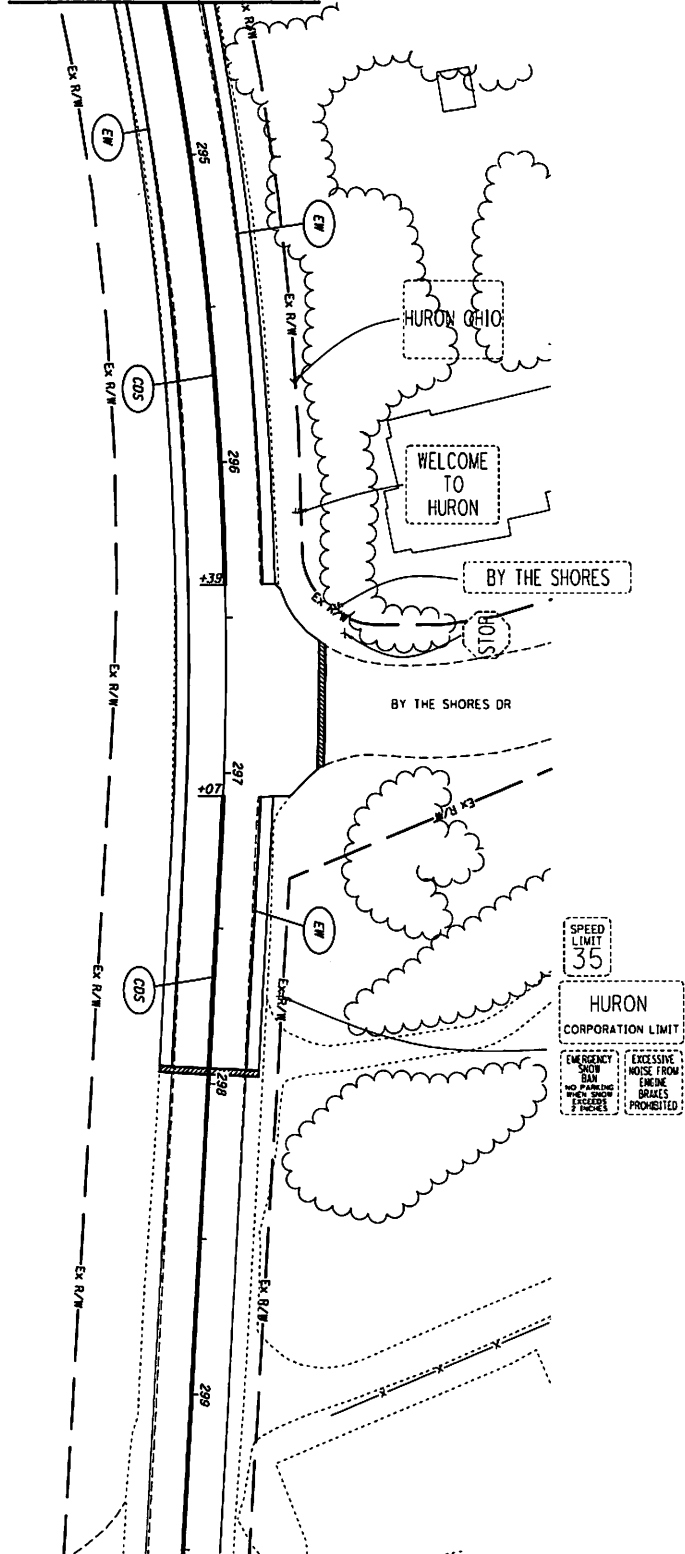


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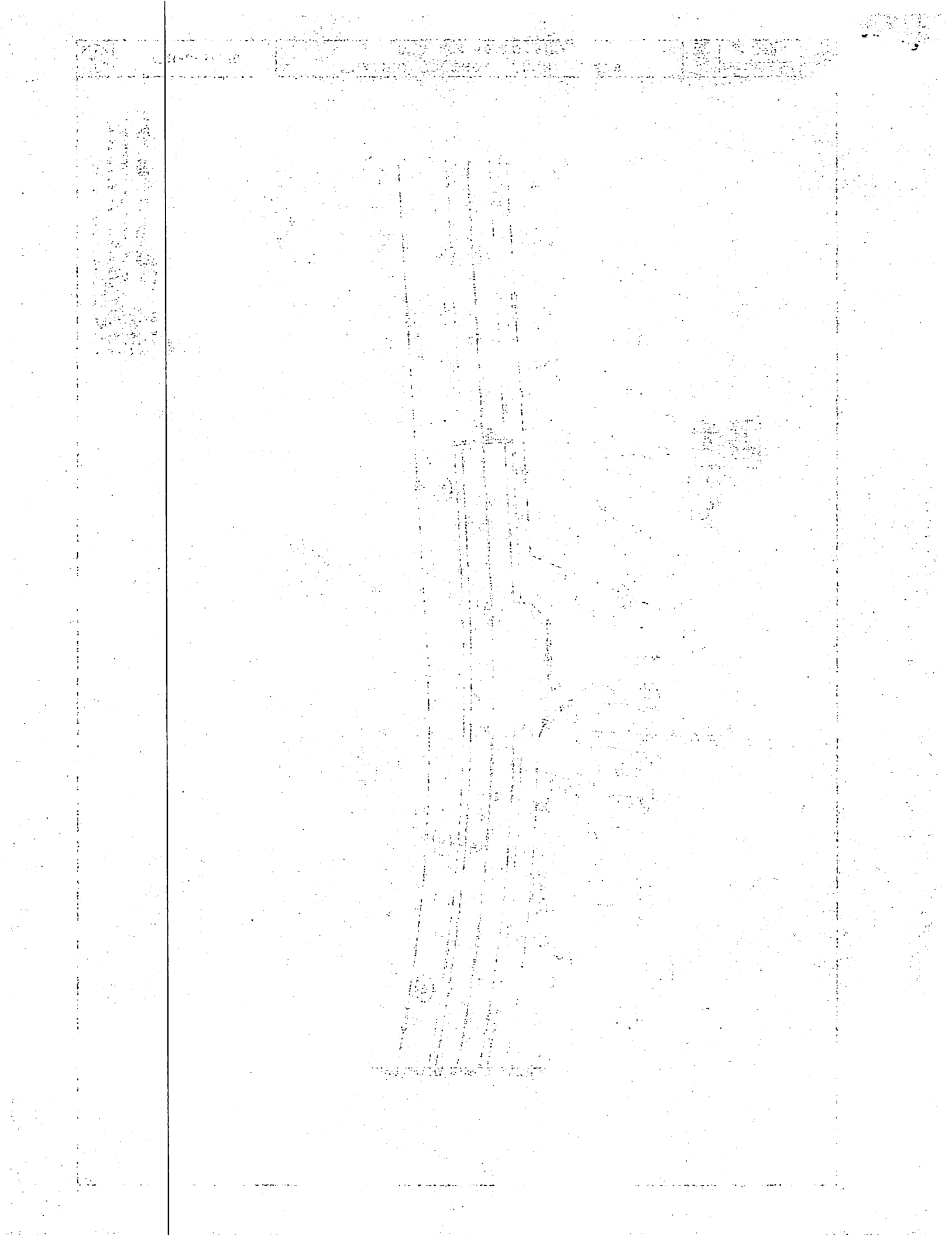
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3. APPLY ALL DASHED PAINT IN 8 FOOT CYCLES CONSISTING OF 2 FOOT DOT AND 6 FOOT GAP.
4. GREEN COLORED PAINT FOR BIKE LANES SHALL BE APPLIED AS SHADED ON THE PLANS.
5. ALL PAVEMENT MARKINGS/PAINT SHALL BE TYPE 1.

	 HORIZONTAL SCALE IN FEET	CALCULATED JAN CHECKED CML	TRAFFIC CONTROL PLAN - U.S. 6 STA. 289+50 TO STA. 294+50
ERI-6-17.49		19 21	

MATCH LINE STA. 294+50, SEE SHEET 19



- NOTES:
1. FOR LEGEND, SEE SHEET 1.
 2. ALL EXISTING PAVEMENT MARKINGS AND SIGNS NOT SPECIFIED FOR REMOVAL AND/OR REPLACEMENT SHALL REMAIN AND BE PROTECTED.
 3. APPLY ALL DASHED PAINT IN 8 FOOT CYCLES CONSISTING OF 2 FOOT DOT AND 6 FOOT GAP.
 4. GREEN COLORED PAINT FOR BIKE LANES SHALL BE APPLIED TO THE EXISTING PAVEMENT.
 5. ALL PAVEMENT MARKINGS/PAINT SHALL BE TYPE 1.



630 SIGNING MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING A SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY. THE FLASHING UNIT SHALL BE SOLAR POWERED, PEDESTRIAN ACTIVATED, AND 2-SIDED WITH TWO LED ARRAY BASED YELLOW INDICATIONS ON EACH SIDE. MULTIPLE UNITS SHALL BE WIRELESSLY CONTROLLED AND SYNCHRONIZED. THE UNIT SHALL BE COMPLIANT WITH THE MOST CURRENT OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) AND FHWA INTERIM APPROVAL FOR RRFBs (1A-2U).

GENERAL REQUIREMENTS -

EACH RRFB SHALL CONSIST OF TWO RAPIDLY FLASHED RECTANGULAR-SHAPED YELLOW INDICATIONS HAVING LED ARRAY BASED LIGHT SOURCE.

EACH RRFB SHALL BE A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.).

FUNCTIONAL REQUIREMENTS -

EACH RRFB SHALL UTILIZE SOLAR POWER.

EACH RRFB SHALL BE ACTIVATED BY ADA COMPLIANT PUSHBUTTONS.

THE RRFB SHALL BE NORMALLY DARK, SHALL INITIATE OPERATION ONLY UPON PEDESTRIAN ACTUATION, AND SHALL CEASE OPERATION AFTER A PREDETERMINED TIME LIMIT (BASED ON OMUTCD PROCEDURES).

EACH REMOTE RRFB SHALL BE WIRELESSLY ACTIVATED.

ALL RRFB LIGHT INDICATIONS SHALL BE WIRELESSLY SYNCHRONIZED (ALL LIGHTS WILL TURN ON WITHIN 120 MSEC AND REMAIN SYNCHRONIZED THROUGHOUT THE DURATION OF THE FLASHING CYCLE).

THE UNIT SHALL BE CAPABLE OF RUNNING 14 DAYS WITHOUT SUNLIGHT.

630 SIGNING MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY (CONTINUED)

MATERIALS -

FURNISH A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS, AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.). THE RRFB ASSEMBLY INCLUDES THE FOLLOWING ITEMS:

1. RRFB INDICATIONS

A. EACH RRFB INDICATION LENS SHALL BE A MINIMUM SIZE OF APPROXIMATELY 5" WIDE X 2" HIGH.

B. THE RRFB INDICATIONS SHALL BE ALIGNED HORIZONTALLY, WITH THE LONGER DIMENSION OF THE INDICATION HORIZONTAL. THERE SHALL BE TWO INDICATIONS ON THE FRONT AND TWO INDICATIONS ON THE BACK.

C. EACH RRFB SHALL BE SUPPLIED WITH ALL REQUIRED HARDWARE TO INSTALL ASSEMBLY. ALL EXPOSED HARDWARE SHALL BE ANTI-VANDAL.

D. EACH RRFB SHALL BE LOCATED BETWEEN THE BOTTOM OF THE CROSSING WARNING SIGN AND THE TOP OF THE SUPPLEMENTAL DOWNWARD DIAGONAL ARROW PLAQUE.

E. THE LIGHT INTENSITY OF THE YELLOW INDICATIONS SHALL MEET THE MINIMUM CLASS 1 SPECIFICATIONS OF SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) STANDARD J595 (DIRECTIONAL FLASHING OPTICAL WARNING DEVICES FOR AUTHORIZED EMERGENCY, MAINTENANCE, AND SERVICE VEHICLES) DATED JANUARY, 2005.

F. TO MINIMIZE EXCESSIVE GLARE DURING NIGHTTIME CONDITIONS, AN AUTOMATIC SIGNAL DIMMING DEVICE SHALL BE USED TO REDUCE THE BRILLIANCE OF THE RRFB INDICATIONS.

G. A SMALL LED CONFIRMATION LIGHT DIRECTED AT AND VISIBLE TO PEDESTRIANS IN THE CROSSWALK SHALL BE INSTALLED INTEGRAL TO THE RRFB OR PUSHBUTTON TO GIVE CONFIRMATION THAT THE RRFB IS IN OPERATION.

2. SIGNS

A. ALL SIGN ASSEMBLIES SHALL USE ANTI-VANDAL FASTENERS TO MOUNT COMPONENTS TO SIGN AND SIGN TO FIXTURE.

B. PEDESTRIAN PUSHBUTTONS SIGNS SHALL BE PROVIDED AND INCLUDE THE LEGEND "PUSH BUTTON TO TURN ON WARNING LIGHTS". SIGNS SHOULD BE MOUNTED ADJACENT TO OR INTEGRAL WITH EACH PEDESTRIAN PUSHBUTTON.

C. TWO SETS OF SIGNS SHALL BE REQUIRED PER UNIT FOR VIEW FROM EACH APPROACH.

D. ASSURE SIGN MEETS THE REQUIREMENTS OF C&MS 630.

3. CONTROL CIRCUIT

A. THE CONTROL CIRCUIT SHALL HAVE THE CAPABILITY OF INDEPENDENTLY FLASHING UP TO TWO INDEPENDENT OUTPUTS. THE LED LIGHT OUTPUTS AND FLASH PATTERN SHALL BE COMPLETELY PROGRAMMABLE.

B. THE CONTROL CIRCUIT SHALL BE SEALED WATERTIGHT TO ELIMINATE DIRT CONTAMINATION AND ALLOW FOR SAFE HANDLING IN ALL WEATHER CONDITIONS.

C. THE LEDS SHALL BE SEALED AGAINST DUST AND MOISTURE INTRUSION AS PER THE REQUIREMENTS OF NEMA STANDARD 250-1991 FOR TYPE 4 ENCLOSURE AND TO PROTECT ALL INTERNAL LED AND ELECTRICAL COMPONENTS.

630 SIGNING MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY (CONTINUED)

4. BATTERY AND SOLAR PANELS

A. BATTERY UNIT SHALL BE A 12VDC, 35 AHR MINIMUM, SEALED GEL OR AGM LEAD ACID BATTERY. BATTERIES SHALL HAVE A WRITTEN TWO YEAR FULL REPLACEMENT WARRANTY.

B. THE SOLAR PANEL SHALL PROVIDE A MINIMUM OF 40 WATTS PEAK TOTAL OUTPUT.

C. THE SOLAR PANEL SHALL BE MOUNTED TO AN ALUMINUM PLATE AND BRACKET AT AN ANGLE OF 45 DEGREES - 60 DEGREES TO PROVIDE MAXIMUM OUTPUT.

D. ALL FASTENERS USED SHALL BE ANTI-VANDAL.

5. WIRELESS RADIO

A. RADIO CONTROL SHALL OPERATE ON A 900 MHZ FREQUENCY HOPPING SPREAD SPECTRUM NETWORK, WI-FI OR APPROVED EQUAL.

B. RADIO SHALL INTEGRATE COMMUNICATION OF RRFB CONTROL CIRCUIT TO ACTIVATE SIGN FROM PUSHBUTTON INPUT.

C. THE RADIO SHALL BE SYNCHRONIZED SO ALL OF THE REMOTE RRFB LIGHT INDICATIONS WILL TURN ON WITHIN 120 MSEC OF EACH OTHER AND REMAIN SYNCHRONIZED THROUGHOUT THE DURATION OF THE FLASHING CYCLE.

6. PUSHBUTTON

A. THE PUSHBUTTON SHALL BE CAPABLE OF CONTINUOUS OPERATION OVER A TEMPERATURE RANGE OF -30 DEGREES F TO +165 DEGREES F.

B. PUSHBUTTON SHALL BE ADA COMPLIANT.

7. PEDESTAL SHAFT AND BASE - MOUNT ON A STANDARD 4.5-INCH OD ALUMINUM PEDESTAL POLE WITH BREAKAWAY BASE. A 14 FOOT POLE SHALL BE PROVIDED AND FIELD ADJUSTED AND CAPPED TO MAINTAIN THE PROPER SIGN MOUNTING HEIGHTS, UNLESS SPECIFIED OTHERWISE IN THE PLANS. POLE AND BASE MANUFACTURER SHALL BE LISTED ON ODOT'S QUALIFIED PRODUCTS LIST.

CONSTRUCTION -

THE RRFB SHALL BE ASSEMBLED AND CONSTRUCTED BY THE CONTRACTOR AS SHOWN AND SPECIFIED ON THE PLANS.

WARRANTY -

WARRANTY SHALL BE TWO YEARS FROM THE DATE OF FINAL ACCEPTANCE.

MEASUREMENT -

THE DEPARTMENT WILL MEASURE THE ITEM COMPLETE IN PLACE, INCLUDING ALL MATERIALS, TESTING, LABOR AND SOFTWARE FOR A FULLY FUNCTIONAL UNIT

PAYMENT -

PAYMENT WILL BE AT THE CONTRACT UNIT PRICE PER EACH FOR ITEM 630 "SIGNING MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY".

ITEM 630, SIGNING MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY 7 EACH