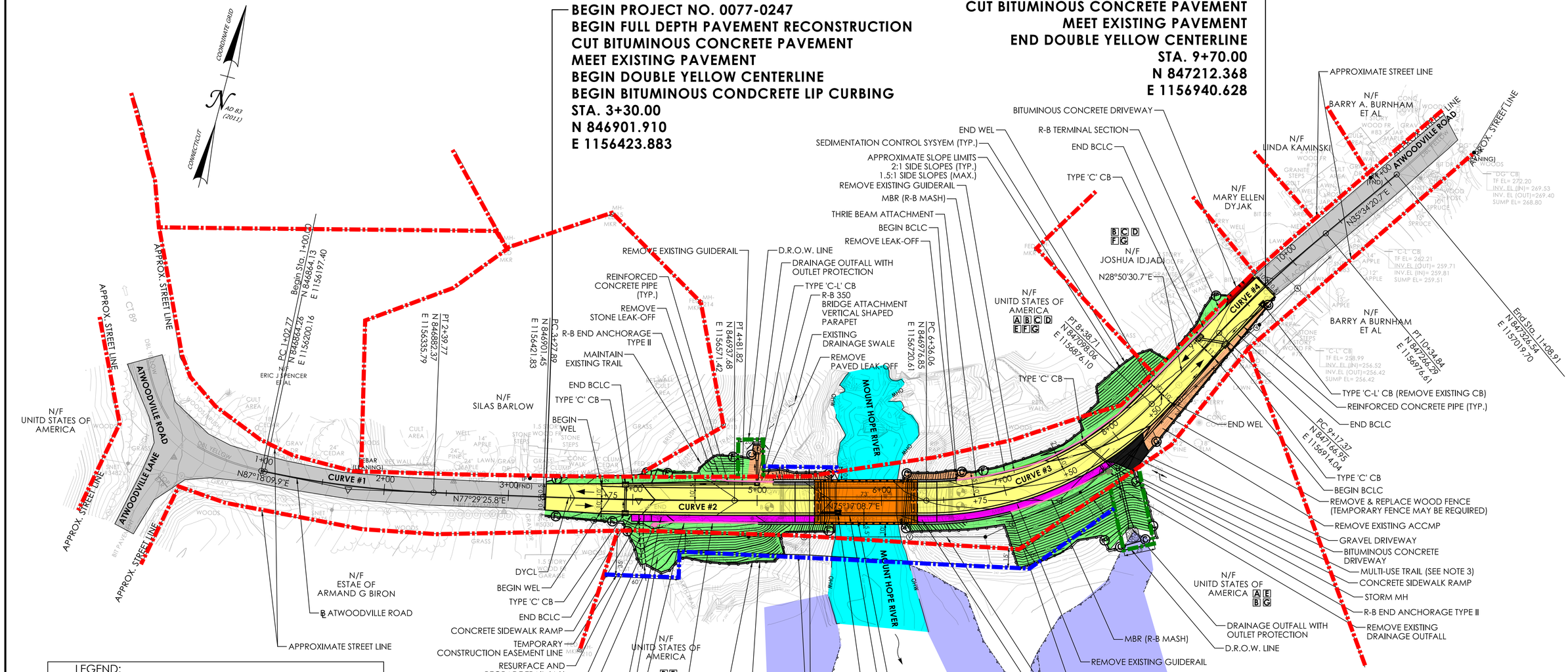
BEGIN PROJECT NO. 0077-0247
BEGIN FULL DEPTH PAVEMENT RECONSTRUCTION
CUT BITUMINOUS CONCRETE PAVEMENT
MEET EXISTING PAVEMENT
BEGIN DOUBLE YELLOW CENTERLINE
BEGIN BITUMINOUS CONDCRETE LIP CURBING
STA. 3+30.00
N 846901.910
E 1156423.883

END PROJECT NO. 0077-0247
END FULL DEPTH PAVEMENT RECONSTRUCTION
CUT BITUMINOUS CONCRETE PAVEMENT
MEET EXISTING PAVEMENT
END DOUBLE YELLOW CENTERLINE
STA. 9+70.00
N 847212.368
E 1156940.628



LEGEND:

- PROPOSED BRIDGE
- PROPOSED SUBSTRUCTURE
- PROPOSED APPROACH ROADWAY RECONSTRUCTION
- EXISTING PAVEMENT
- PROPOSED FILL
- PROPOSED CUT
- WATERCOURSE
- WETLANDS
- PROPOSED DRIVEWAY RECONSTRUCTION
- PROPOSED SIDEWALK
- PROPOSED APPROACH GUIDERAIL
- R.O.W. LINE
- DRAINAGE EASEMENT LINE (D.R.O.W)

CURVE DATA

CURVE #1	CURVE #2	CURVE #3	CURVE #4
PI 1+71.44	PI 4+04.86	PI 7+43.33	PI 9+76.17
N 846867.49	N 846918.13	N 847004.10	N 847218.46
E 1156268.75	E 1156496.97	E 1156824.35	E 1156942.40
DELTA 09°48'44.1"	DELTA 02°12'17.1"	DELTA 46°26'38.0"	DELTA 06°43'50.0"
R 800.00'	R 4000.00'	R 250.00'	R 1000.00'
L 137.00'	L 153.92'	L 202.65'	L 117.47'
T 68.67'	T 76.97'	T 107.26'	T 58.80'
D 07°09'43.1"	D 01°25'56.6"	D 22°55'05.9"	D 05°43'46.5"

NOTES:

1. THE PROPOSED DRAINAGE SHOWN IS CONCEPTUAL AND WILL BE DESIGNED BASED ON COMPUTATIONS DURING FINAL DESIGN.

2. ADDITIONAL SURVEY WILL BE REQUIRED TO DETERMINE SLOPE LIMITS FOR THE EMBANKMENT SOUTH OF THE ROADWAY, EAST OF THE DRAINAGE OUTFALL (STA. 7+75 RT ±)

3. THE EXISTING MULTI-USE TRAIL IS PART OF THE MANSFIELD HOLLOW WILDLIFE AREA AS SHOWN ON THE MANSFIELD HOLLOW STATE PARK MAP, DATED MAY 19, 2010, DONATED BY "FRIENDS OF MANSFIELD HOLLOW, INC.". COORDINATION WITH THE TOWN/TRAIL AUTHORITY WILL BE REQUIRED FOR IMPROVEMENTS TO THE TRAIL WITHIN THE LIMITS OF THE PROJECT.

DYCL - DOUBLE YELLOW CENTERLINE
WEL - WHITE EDGE LINE
BCLC - BITUMINOUS CONCRETE LIP CURBING
MBR - METAL BEAM RAIL

PROPOSED STRUCTURE:
ALTERNATE 3, FULL REPLACEMENT (73' CLEAR SPAN) STEEL BEAM BRIDGE

REV.	DATE	REVISION DESCRIPTION

REHABILITATION STUDY REPORT

DESIGNER/DRAFTER: MZ CHECKED BY: JDL

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SIGNATURE/ BLOCK:

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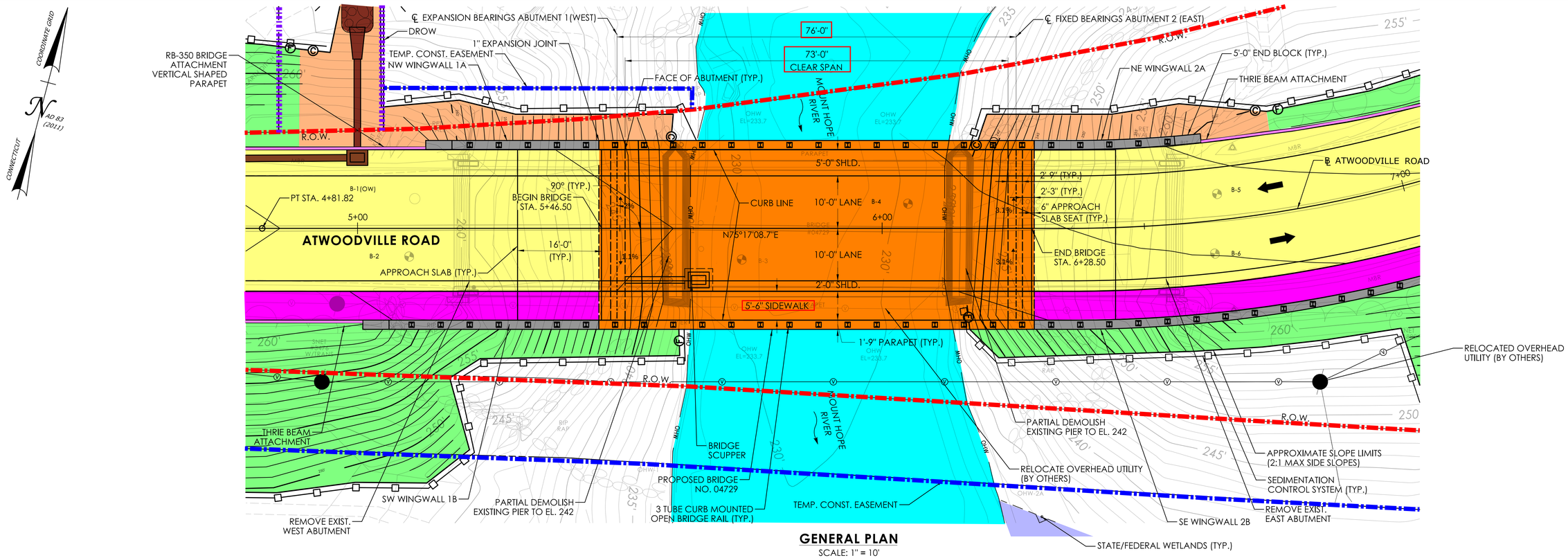
400 Capitol Boulevard, Suite 301
Rocky Hill, CT 06067
518.453.4500 - www.chasolutions.com

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0077-0247
PROJECT DESCRIPTION: REHABILITATION OF BRIDGE NO. 04729; CARRYING ATWOODVILLE ROAD OVER MOUNT HOPE RIVER
TOWN(S): MANSFIELD
DRAWING TITLE: ROADWAY PLAN - ALTERNATIVE 3 STEEL BEAM FULL BRIDGE REPLACEMENT

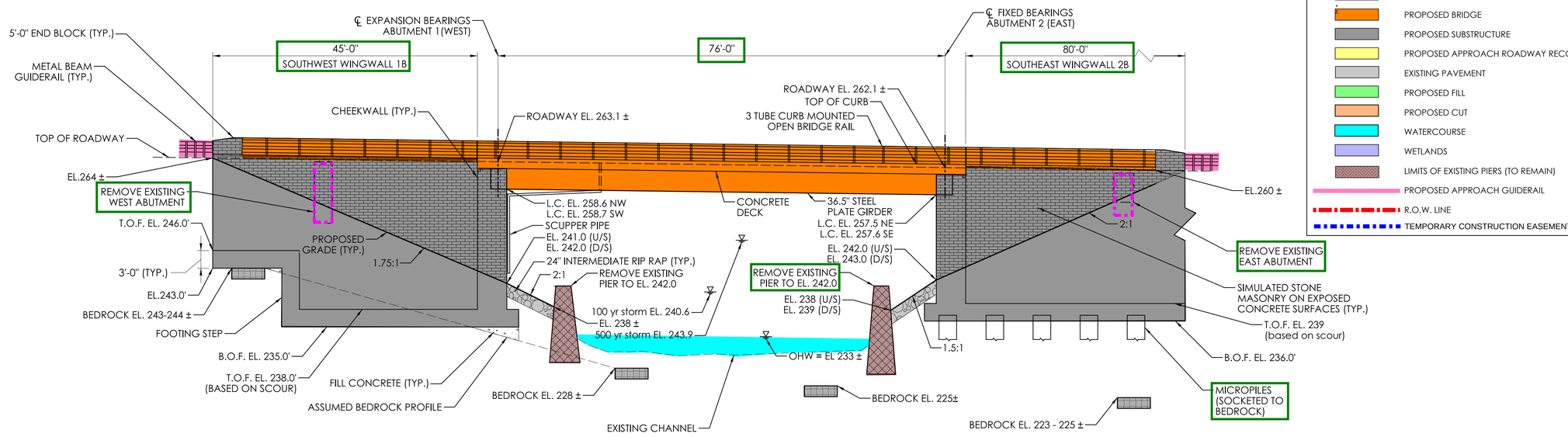
DRAWING NO. HWY-03
SHEET NO.

LASTED SAVED BY: 7355 **FILE NAME:** V:\Projects\ANY\K5\067838.FED\077-247\16_Custom_Client\CT Connect\Highways\Contract_Plans\HW_CP_0077_0247_Plan_Alt2_Townroads.dgn
PLOTTED DATE: 2/5/2025



GENERAL PLAN

SCALE: 1" = 10'



SOUTH ELEVATION

SCALE: 1" = 10'

LEGEND

- PROPOSED BRIDGE
- PROPOSED SUBSTRUCTURE
- PROPOSED APPROACH ROADWAY RECONSTRUCTION
- EXISTING PAVEMENT
- PROPOSED FILL
- PROPOSED CUT
- WATERCOURSE
- WETLANDS
- LIMITS OF EXISTING PIERS (TO REMAIN)
- PROPOSED APPROACH GUIDERAIL
- R.O.W. LINE
- TEMPORARY CONSTRUCTION EASEMENT

REVISION DESCRIPTION | DATE | REV.

SIGNATURE BLOCK:

DESIGNER/DRAFTER: AAL CHECKED BY: TAS

SCALE AS NOTED

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REHABILITATION OF BRIDGE NO. 04729; CARRYING ATWOODVILLE ROAD OVER MOUNT HOPE RIVER

TOWN(S): MANSFIELD

DRAWING TITLE: GENERAL PLAN & ELEVATION, ALTERNATIVE 3A STEEL BEAM FULL BRIDGE REPLACEMENT

PROJECT NO.: 0077-0247

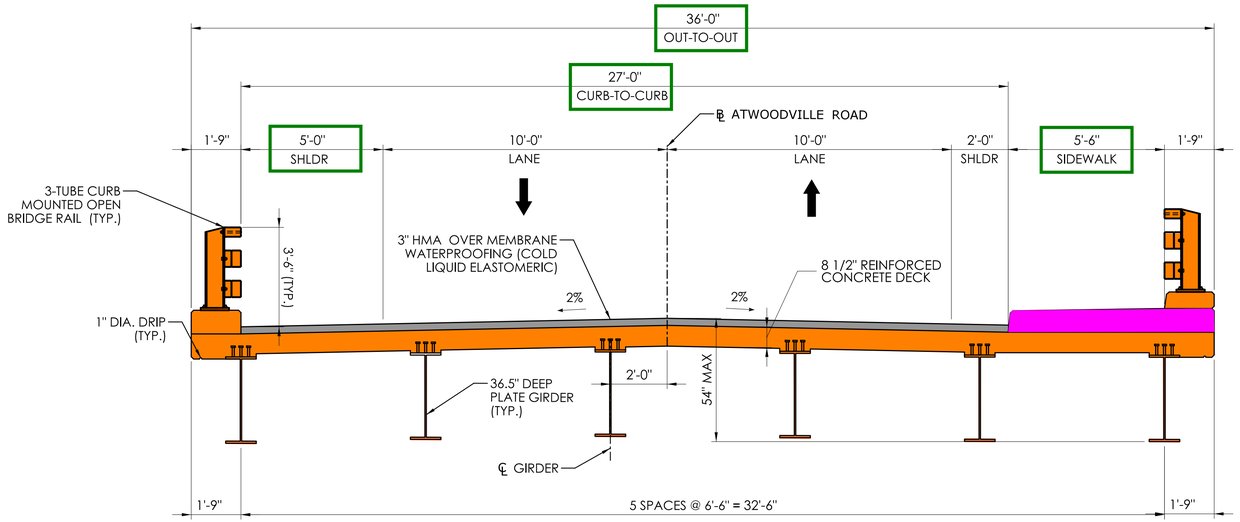
DRAWING NO.: S-01

SHEET NO.:

REHABILITATION STUDY REPORT

LASTED SAVED BY: 9171 FILE NAME: \\cha-llp.com\proj\Projects\ANY\K5\067838.FED\077-247\16_Custom_Client\CT Connect\Bridge\Contract_Plans\SB_CP_04729_ALT3A.dgn

PLOTTED DATE: 2/10/2025



TYPICAL SECTION - PROPOSED STEEL BEAM BRIDGE (LOOKING EAST)

SCALE: 3/8"=1'-0"

REHABILITATION STUDY REPORT

REV	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: AAL CHECKED BY: TAS

SCALE AS NOTED

CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: REHABILITATION OF BRIDGE NO. 04729; CARRYING ATWOODVILLE ROAD OVER MOUNT HOPE RIVER

TOWN(S): MANSFIELD

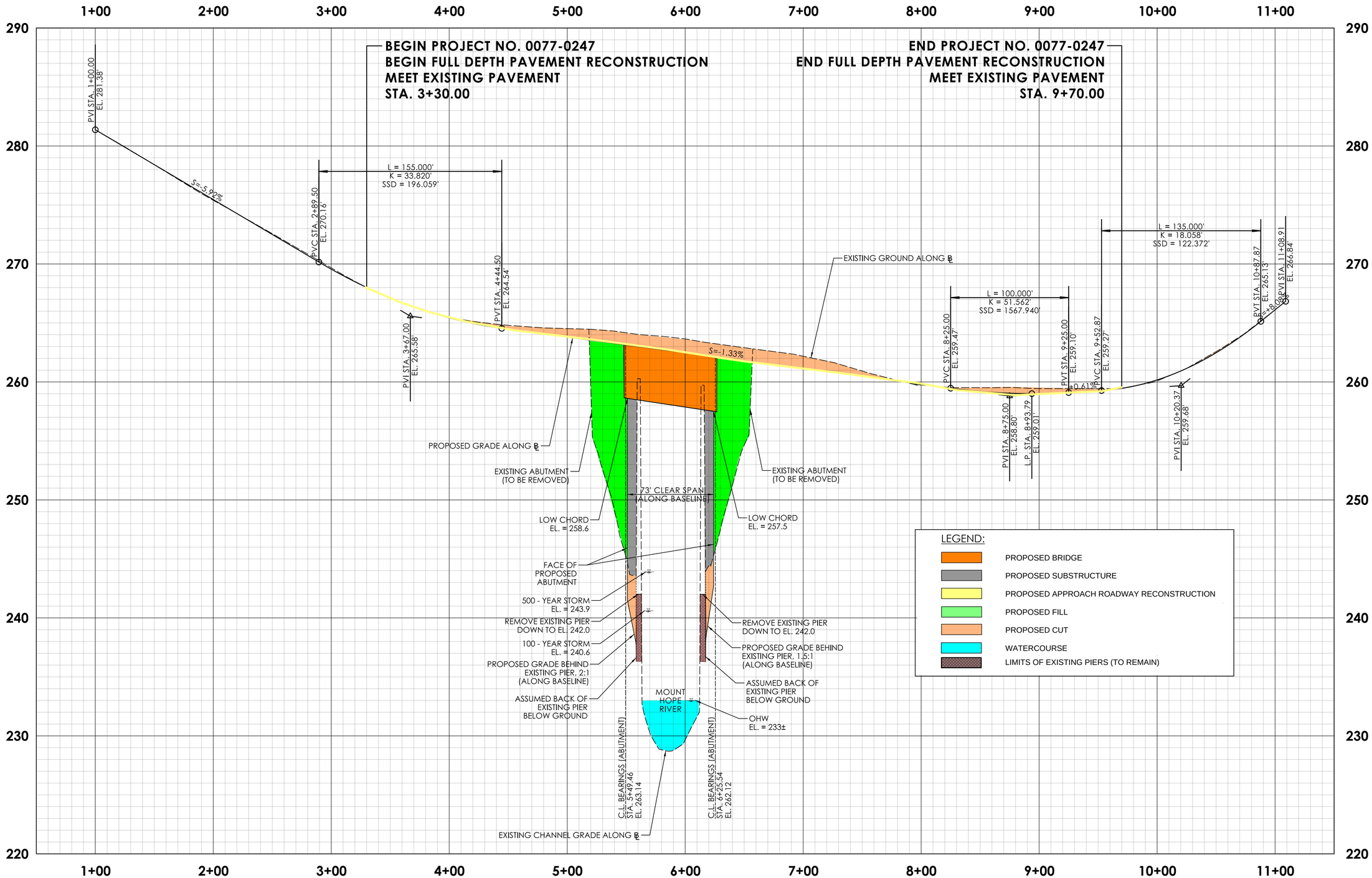
DRAWING TITLE: CROSS SECTION, ALTERNATIVE 3A STEEL BEAM FULL BRIDGE REPLACMENT

PROJECT NO.: 0077-0247

DRAWING NO.: S-02

SHEET NO.:

LASTED SAVED BY: 9171 **FILE NAME:** \\cha-llp.com\proj\Projects\ANY\K5\067838.FED\077-247\16_Custom_Client\CT Connect\Bridge\Contract_Plans\SB_CP_04729_ALT3A.dgn
PLOTTED DATE: 2/7/2025



REVISION DESCRIPTION

REV. | DATE

DESIGNER/DRAFTER: MZ CHECKED BY: JDL

HORIZONTAL SCALE IN FEET 0 40 80

VERTICAL SCALE IN FEET 0 4 8

SIGNATURE/ BLOCK:

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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0077-0247
PROJECT DESCRIPTION: REHABILITATION OF BRIDGE NO. 04729; CARRYING ATWOODVILLE ROAD OVER MOUNT HOPE RIVER
TOWN(S): MANSFIELD
DRAWING TITLE: ROADWAY PROFILE - STEEL BEAM FULL BRIDGE REPLACEMENT

DRAWING NO. PRO-03
SHEET NO.

LASTED SAVED BY: 7995 FILE NAME: V:\Projects\ANY\K5\067838.FED\077-247\16_Custom_Client\CT Connect\Highways\Contract_Plans\HW_CP_0077_0247_Profile_Alt3.dgn
PLOTTED DATE: 9/30/2024

COORDINATE WITH PROJECT NO. 0077-0248, REPLACEMENT OF BRIDGE NO. 05353, JUNIPER LANE OVER MOUNT HOPE RIVER

PREFERRED DETOUR ROUTE (IF PROJECT NO. 0077-0248 CONSTRUCTION IS COMPLETED FIRST)

JUNIPER LANE

BROOKSIDE LANE

ELIZABETH LANE

ATWOODVILLE ROAD

BRIDGE NO. 04729 (CLOSED)

WARRENVILLE ROAD (ROUTE 89)

ALTERNATIVE DETOUR ROUTE

BEDLAM ROAD

SOUTH BEDLAM ROAD

STORRS ROAD (ROUTE 195)

BASSETTS BRIDGE ROAD

TOWN OF MANSFIELD

TOWN OF CHAPLIN

TOWN OF MANSFIELD

Chaffeeville

Spring Hill

Mansfield Center

Mansfield Hollow

Chaplin

South Chaplin

MANSFIELD HOLLOW WILDLIFE MANAGEMENT AREA

MANSFIELD HOLLOW STATE PARK

COORDINATE GRID

NAD 83 (2011)

CONNECTICUT

DETOUR LEGEND

- WORK ZONE
- DETOURED TRAFFIC FLOW
- PREFERRED DETOUR ROUTE (2.2 MILES) (IF PROJECT NO. 0077-0248 CONSTRUCTION IS COMPLETED FIRST)
- ALTERNATIVE DETOUR ROUTE (7.6 MILES)

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: MZ CHECKED BY: JDL

SIGNATURE/ BLOCK:

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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0077-0247
PROJECT DESCRIPTION: REHABILITATION OF BRIDGE NO. 04729; CARRYING ATWOODVILLE ROAD OVER MOUNT HOPE RIVER
TOWN(S): MANSFIELD
DRAWING TITLE: ATWOODVILLE ROAD DETOUR PLAN

DRAWING NO. MPT-01
SHEET NO.

LASTED SAVED BY: 7995 **FILE NAME:** V:\Projects\ANY\K5\067838.FED\077-247\16_Custom_Client\CT Connect\Highways\Contract_Plans\HW_CP_0077_0247_Detour.dgn
PLOTTED DATE: 9/24/2024