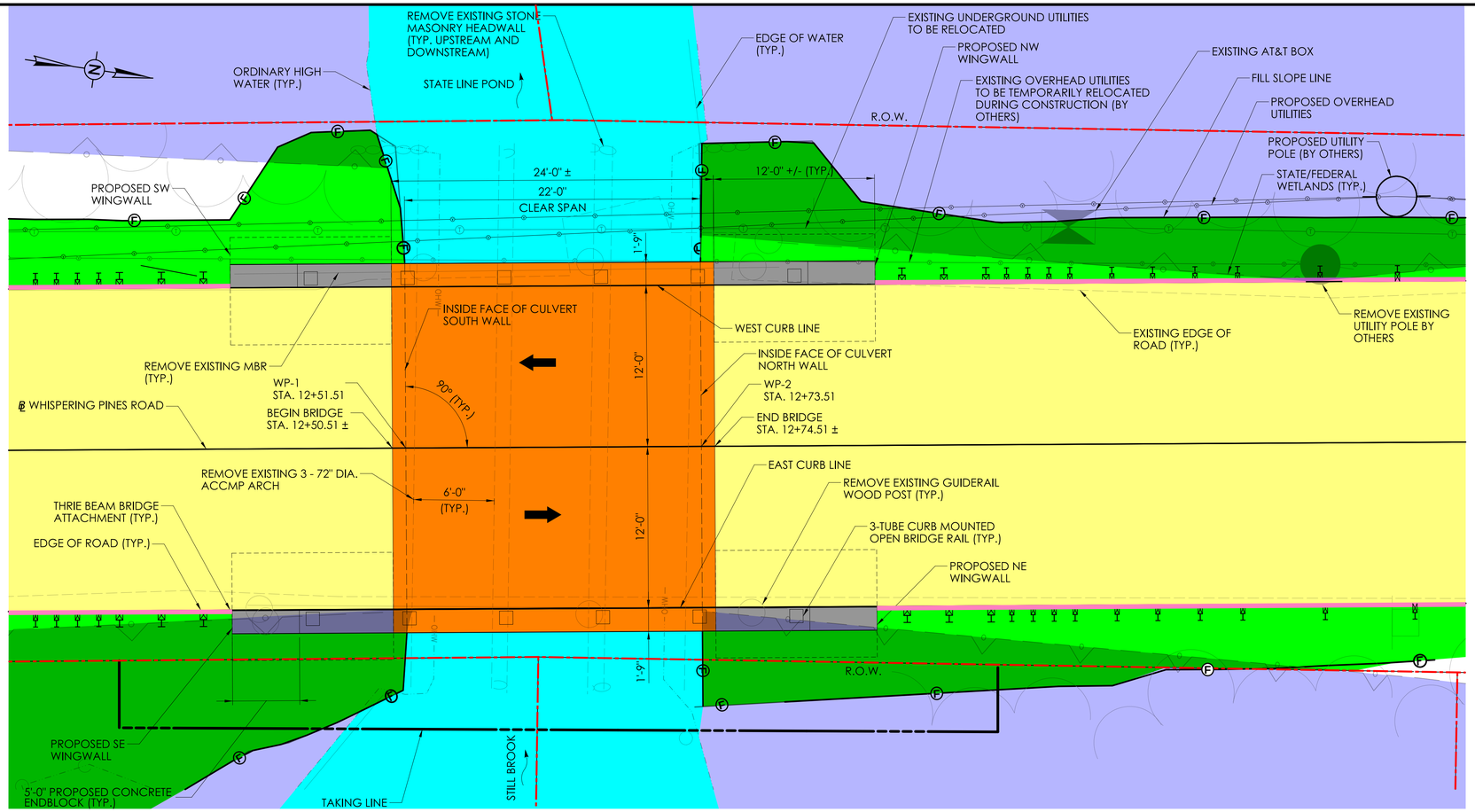
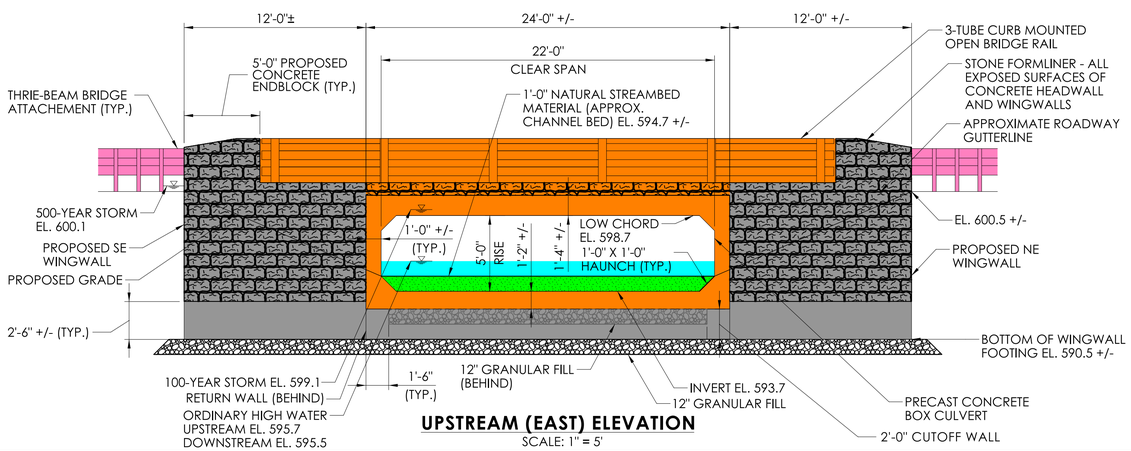


GENERAL PLAN

SCALE: 1" = 5'

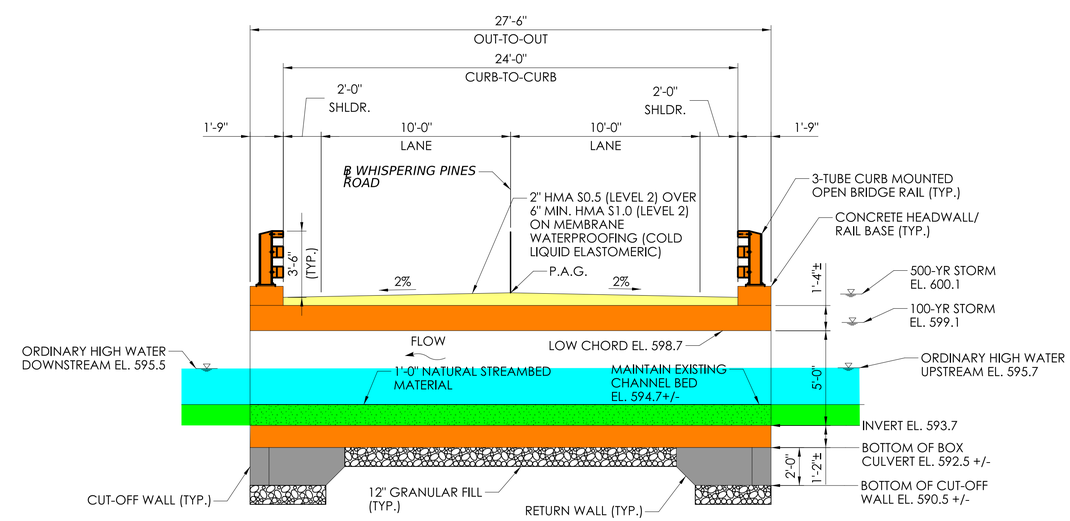
LEGEND:

- PROPOSED BRIDGE (BOX CULVERT)
- PROPOSED SUBSTRUCTURE
- PROPOSED ROADWAY RECONSTRUCTION
- PROPOSED APPROACH GUIDERAIL
- PROPOSED FILL
- PROPOSED CUT
- WATERCOURSE
- WETLANDS
- R.O.W. LINE
- TAKING LINE



UPSTREAM (EAST) ELEVATION

SCALE: 1" = 5'



PROPOSED SECTION

SCALE: ¼" = 1'-0"

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: DAS CHECKED BY: RHS

SCALE AS NOTED

SIGNATURE/ BLOCK: RHS
RHS CONSULTING DESIGN, LLC

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0134-0150
PROJECT DESCRIPTION: REPLACEMENT OF BRIDGE NO. 06198 WHISPERING PINES ROAD OVER STILL BROOK
TOWN(S): STAFFORD
DRAWING TITLE: GENERAL PLAN, SECTION & ELEVATION

DRAWING NO. STR-01
SHEET NO.

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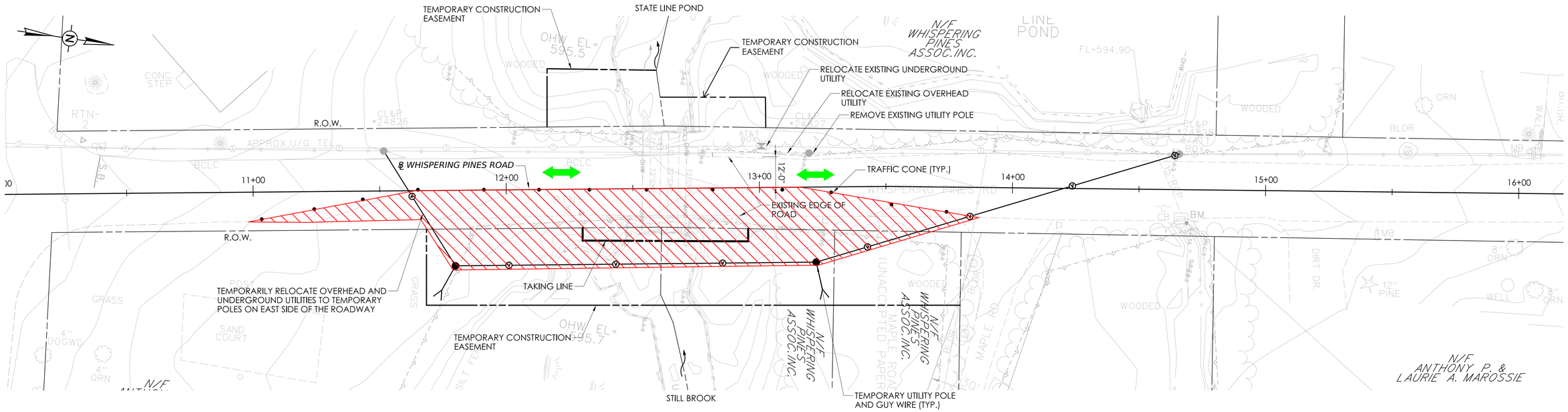
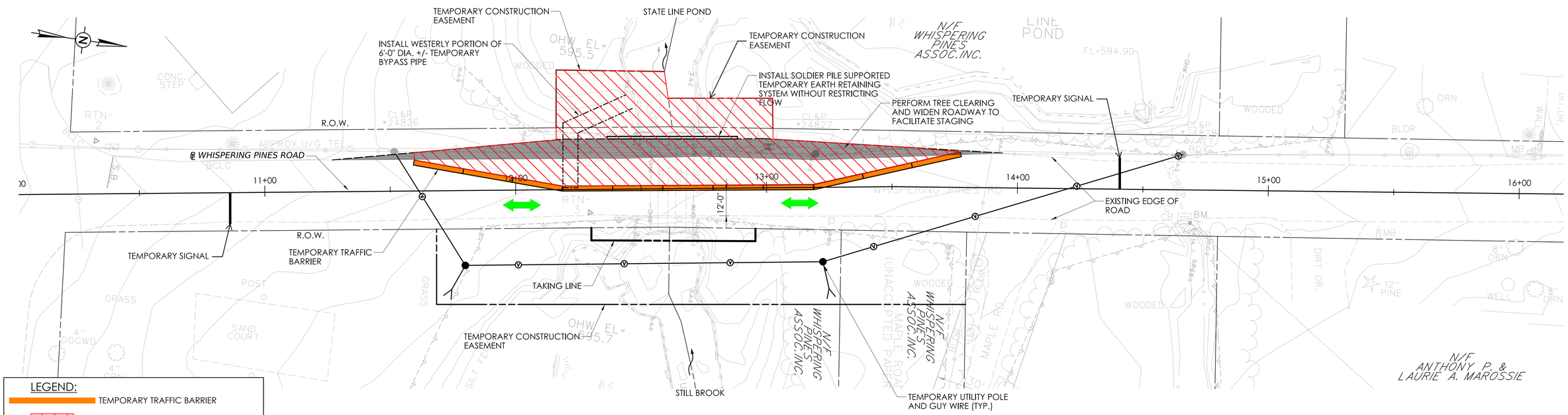
PLOTTED DATE: 10/12/2022



STAGE 1
SCALE: 1" = 20'
TEMPORARY OFF-PEAK ALTERNATING 1-WAY TRAFFIC



STAGE 2
SCALE: 1" = 20'
SIGNAL CONTROLLED ONE-WAY TRAFFIC

LEGEND:
- TEMPORARY TRAFFIC BARRIER
- WORKZONE
- TEMPORARY CONSTRUCTION EASEMENT
- R.O.W. LINE
- TAKING LINE
- TRAFFIC TRAVEL DIRECTION

REV.	DATE	REVISION DESCRIPTION

REHABILITATION STUDY REPORT

SCALE: 1" = 20'

DESIGNER/DRAFTER: DAS CHECKED BY: RHS

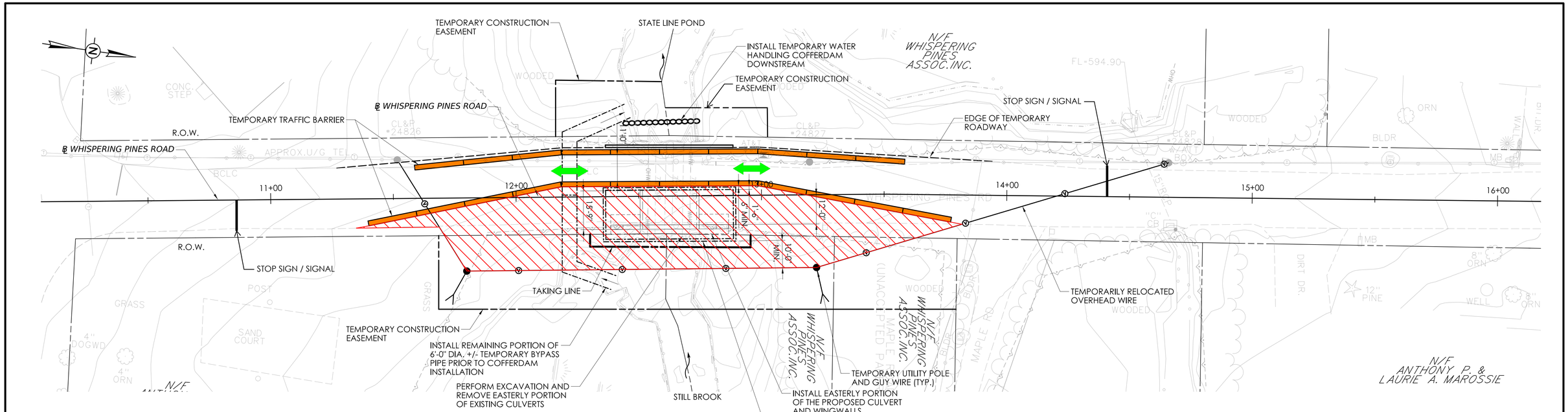
SIGNATURE/BLOCK: RHS CONSULTING DESIGN, LLC

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0134-0150
PROJECT DESCRIPTION: REPLACEMENT OF BRIDGE NO. 06198 WHISPERING PINES ROAD OVER STILL BROOK
TOWN(S): STAFFORD
DRAWING TITLE: STAGE CONSTRUCTION PLAN - 1

DRAWING NO. MPT-01
SHEET NO.

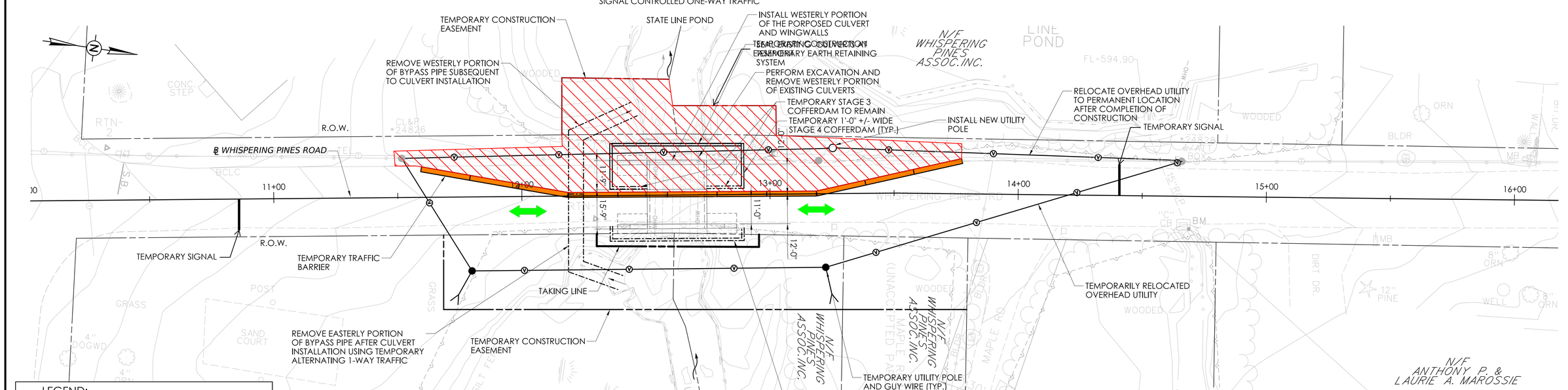
LASTED SAVED BY: Derek FILE NAME: X:\Projects\R125 CHO_CLE\Assignment 1\134-150_CT Connect\Bridge\Base_Models\06198_STAGE_RHS.dgn
PLOTTED DATE: 6/20/2022



STAGE 3

SCALE: 1" = 20'

SIGNAL CONTROLLED ONE-WAY TRAFFIC



STAGE 4

SCALE: 1" = 20'

SIGNAL CONTROLLED ONE-WAY TRAFFIC

LEGEND:

- TEMPORARY TRAFFIC BARRIER
- WORKZONE
- TEMPORARY CONSTRUCTION EASEMENT
- R.O.W. LINE
- TAKING LINE
- TRAFFIC TRAVEL DIRECTION

REV.	DATE	REVISION DESCRIPTION

REHABILITATION STUDY REPORT

DESIGNER/DRAFTER: DAS CHECKED BY: RHS

SCALE: 1" = 20'

SIGNATURE/ BLOCK: RHS CONSULTING DESIGN, LLC

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0134-0150

PROJECT DESCRIPTION: REPLACEMENT OF BRIDGE NO. 06198 WHISPERING PINES ROAD OVER STILL BROOK

TOWN(S): STAFFORD

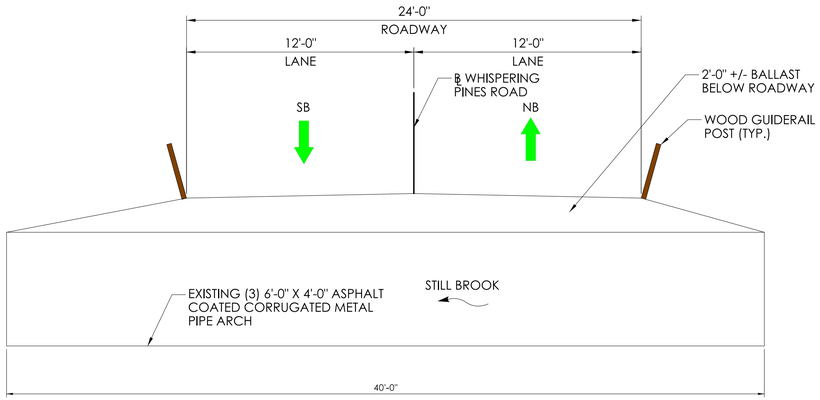
DRAWING TITLE: STAGE CONSTRUCTION PLAN - 2

DRAWING NO. MPT-02

SHEET NO.

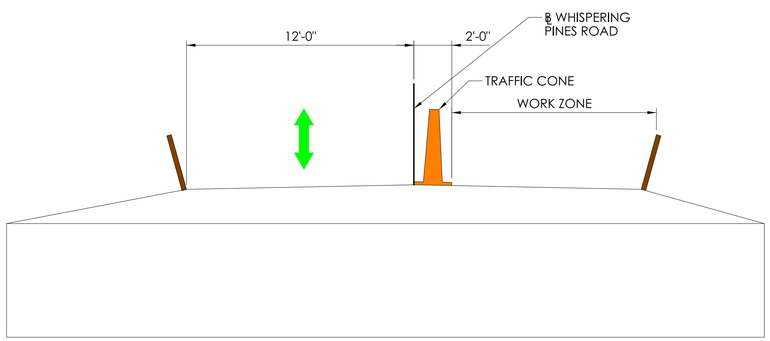
LASTED SAVED BY: Derek FILE NAME: X:\Projects\R125 CHO_CLE\Assignment 1\134-150_CT Connect\Bridge\Base_Models\06198_STAGE_RHS.dgn

PLOTTED DATE: 6/20/2022



EXISTING CROSS SECTION (LOOKING NORTH)

SCALE: ¼" = 1'-0"

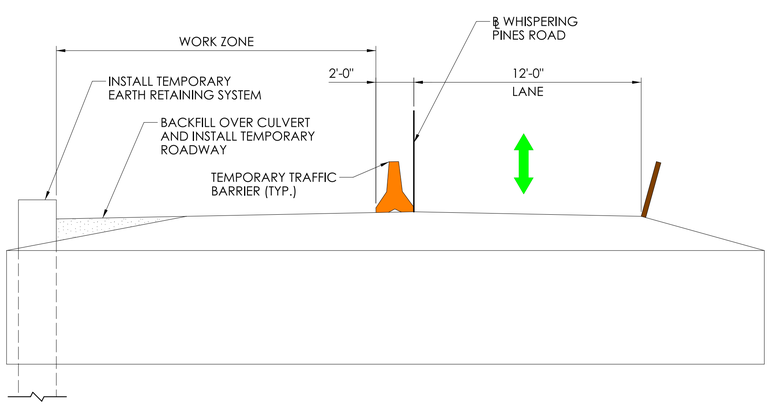


STAGE 1 CROSS SECTION (LOOKING NORTH)

SCALE: ¼" = 1'-0"

STAGE 1 NOTES:

1. USING TEMPORARY ONE-WAY ALTERNATING TRAFFIC DURING OFF-PEAK PERIODS, TEMPORARYILY RELOCATE OVERHEAD AND UNDERGROUND UTILITIES ON TEMPORARY POLES ON THE EAST SIDE OF THE ROADWAY.

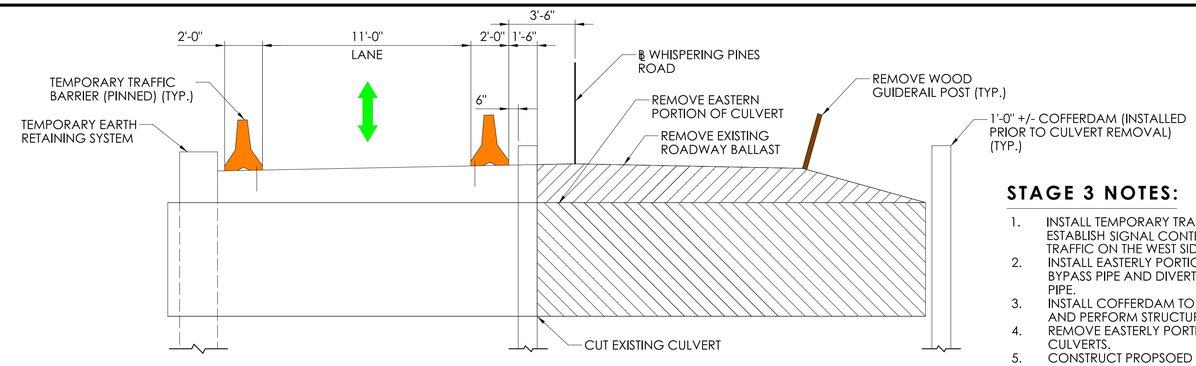


STAGE 2 CROSS SECTION (LOOKING NORTH)

SCALE: ¼" = 1'-0"

STAGE 2 NOTES:

1. INSTALL TEMPORARY TRAFFIC BARRIERS AND ESTABLISH SIGNAL CONTROLLED ONE-WAY TRAFFIC ON THE EAST SIDE OF THE ROADWAY.
2. INSTALL WESTERLY PORTION OF TEMPORARY BYPASS PIPE
3. INSTALL TEMPORARY EARTH RETAINING SYSTEM AND CONSTRUCT TEMPORARY ROADWAY ON THE WEST SIDE OF THE BRIDGE.

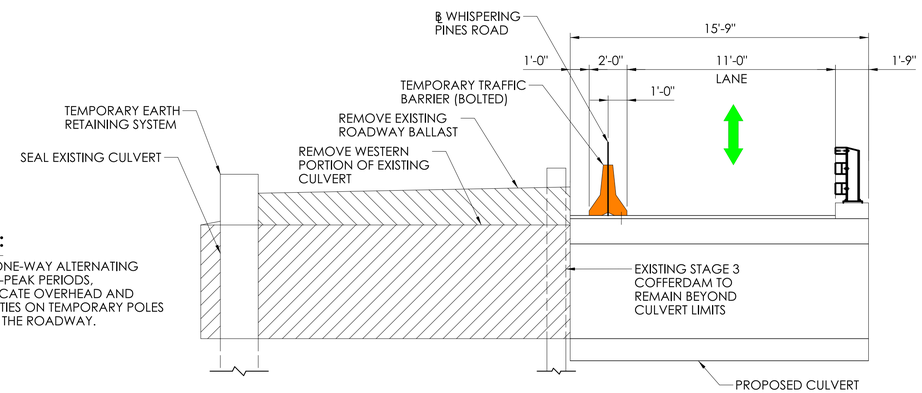


STAGE 3 CROSS SECTION (LOOKING NORTH)

SCALE: ¼" = 1'-0"

STAGE 3 NOTES:

1. INSTALL TEMPORARY TRAFFIC BARRIERS AND ESTABLISH SIGNAL CONTROLLED ONE-WAY TRAFFIC ON THE WEST SIDE OF THE ROADWAY.
2. INSTALL EASTERLY PORTION OF TEMPORARY BYPASS PIPE AND DIVERT WATER THROUGH THE PIPE.
3. INSTALL COFFERDAM TO SUPPORT ROADWAY AND PERFORM STRUCTURE EXCAVATION.
4. REMOVE EASTERLY PORTION OF EXISTING CULVERTS.
5. CONSTRUCT PROPSOED EASTERLY SECTIONS OF CUTOFF WALL, RETURN WALLS, PRECAST BOX CULVERT, WINGWALLS, ENDBLOCKS, BRIDGE RAIL, AND GUIDERAIL.

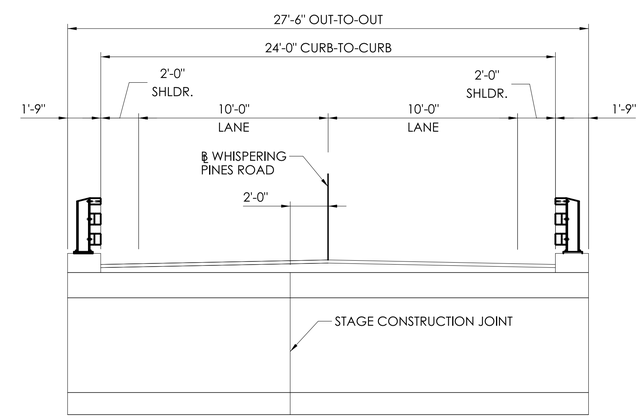


STAGE 4 CROSS SECTION (LOOKING NORTH)

SCALE: ¼" = 1'-0"

STAGE 4 NOTES:

1. RELOCATE TEMPORARY TRAFFIC BARRIERS AND SHIFT TRAFFIC TO SIGNAL CONTROLLED ONE-WAY TRAFFIC ON THE EAST SIDE OF THE NEWLY CONSTRUCTED BRIDGE.
2. REMOVE PORTION OF STAGE 3 COFFERDAM NOT REQUIRED FOR STAGE 4.
3. INSTALL STAGE 4 COFFERDAM AND PERFORM STRUCTURE EXCAVATION.
4. REMOVE WESTERLY PORTION OF EXISTING CULVERTS.
5. CONSTRUCT PROPOSED WESTERLY SECTIONS OF CUTOFF WALL, RETURN WALLS, PRECAST BOX CULVERT, WINGWALLS, ENDBLOCKS, BRIDGE RAIL, AND GUIDERAIL.
6. REMOVE STAGE 4 COFFERDAM.



PROPOSED SECTION

SCALE: ¼" = 1'-0"

STAGE 5 NOTES:

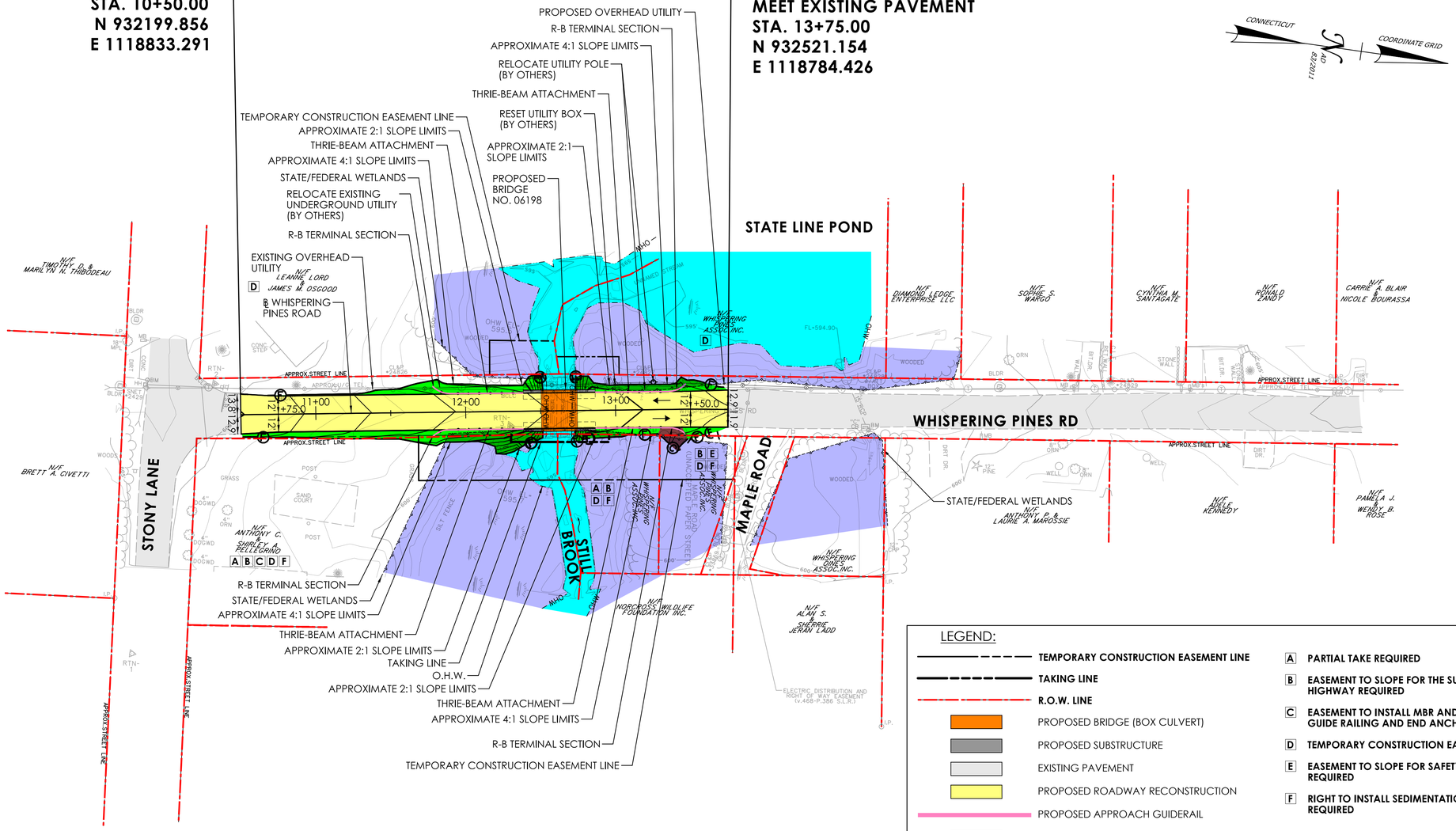
1. REMOVE TEMPORARY BARRIERS AND RESTORE TRAFFIC TO TWO LANES.
2. REMOVE TEMPORARY BYPASS PIPE AND REMAINING COFFERDAM USING TEMPORARY ONE-WAY ALTERNATING TRAFFIC DURING OFF-PEAK PERIODS.
3. COMPLETE ANCILLARY BRIDGE AND ROADWAY WORK.

REHABILITATION STUDY REPORT	SCALE AS NOTED	SIGNATURE/ BLOCK: RHS CONSULTING DESIGN, LLC	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT NUMBER: 0134-0150 PROJECT DESCRIPTION: REPLACEMENT OF BRIDGE NO. 06198 WHISPERING PINES ROAD OVER STILL BROOK TOWN(S): STAFFORD DRAWING TITLE: CONSTRUCTION STAGING CROSS SECTIONS	DRAWING NO. MPT-03 SHEET NO.
DESIGNER/DRAFTER: DAS	CHECKED BY: RHS				

LASTED SAVED BY: Derek FILE NAME: X:\Projects\R125 CHO_CLE\Assignment 1\134-150_CT Connect\Bridge\Base_Models\06198_GP&E_RHS.dgn
PLOTTED DATE: 6/17/2022

BEGIN PROJECT NO. 0134-0150
BEGIN FULL DEPTH PAVEMENT RECONSTRUCTION
CUT BITUMINOUS CONCRETE PAVEMENT
MEET EXISTING PAVEMENT
STA. 10+50.00
N 932199.856
E 1118833.291

END PROJECT NO. 0134-0150
END FULL DEPTH PAVEMENT RECONSTRUCTION
CUT BITUMINOUS CONCRETE PAVEMENT
MEET EXISTING PAVEMENT
STA. 13+75.00
N 932521.154
E 1118784.426



LEGEND:

- TEMPORARY CONSTRUCTION EASEMENT LINE
- TAKING LINE
- R.O.W. LINE
- PROPOSED BRIDGE (BOX CULVERT)
- PROPOSED SUBSTRUCTURE
- EXISTING PAVEMENT
- PROPOSED ROADWAY RECONSTRUCTION
- PROPOSED APPROACH GUIDERAIL
- PROPOSED FILL
- PROPOSED CUT
- WATERCOURSE
- WETLANDS

- A PARTIAL TAKE REQUIRED
- B EASEMENT TO SLOPE FOR THE SUPPORT OF THE HIGHWAY REQUIRED
- C EASEMENT TO INSTALL MBR AND MAINTAIN GUIDE RAILING AND END ANCHORAGE REQUIRED
- D TEMPORARY CONSTRUCTION EASEMENT REQUIRED
- E EASEMENT TO SLOPE FOR SAFETY OF THE HIGHWAY REQUIRED
- F RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM REQUIRED

DESIGNER/DRAFTER: REH CHECKED BY: JP

0 40' 80'
HORIZONTAL SCALE 1" = 40'

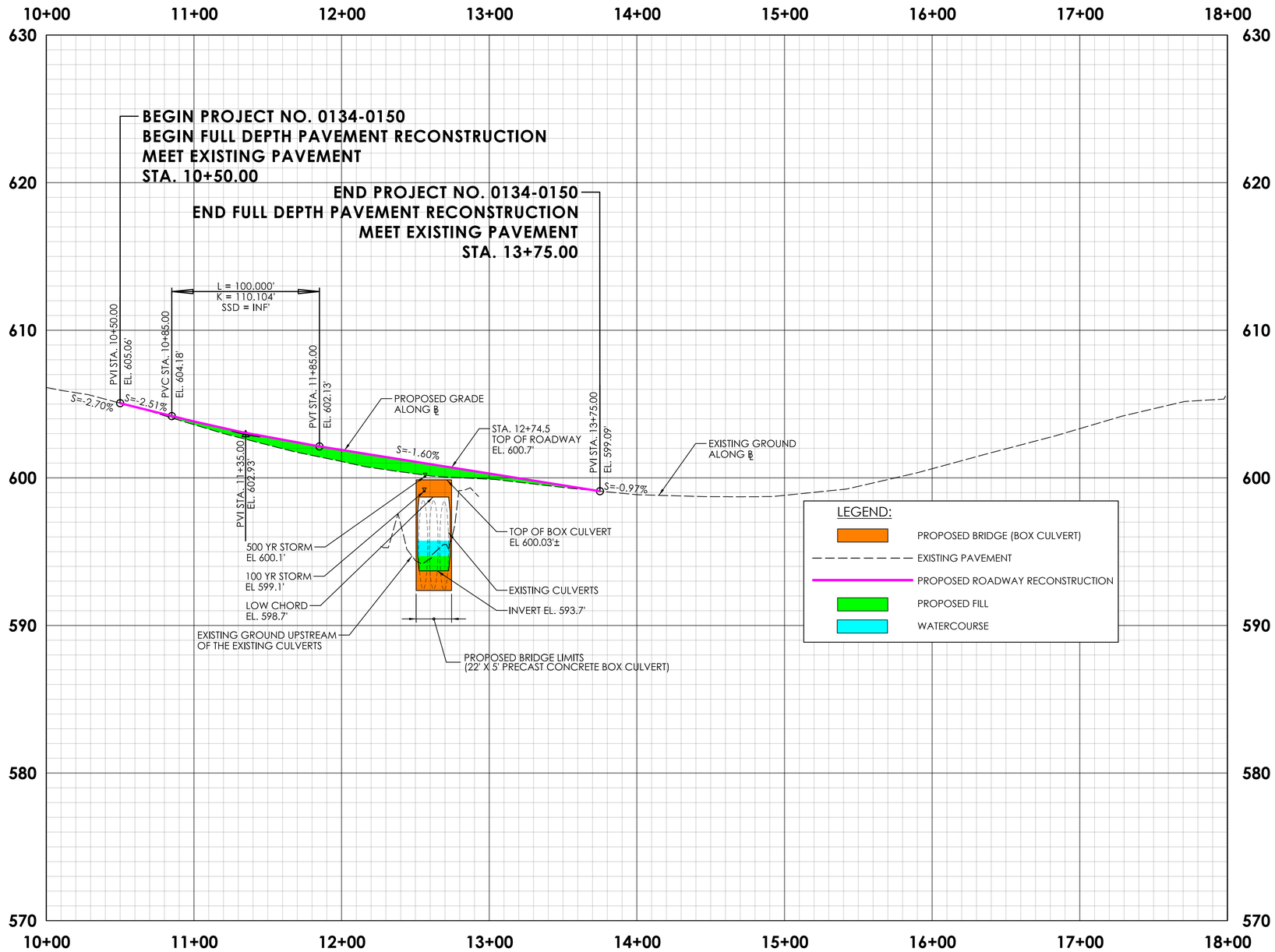
SIGNATURE/BLOCK: CHA
363 East River Drive, 1st Floor East Hartford, CT 06108 860-290-4100 | www.chacompanies.com

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0134-0150
PROJECT DESCRIPTION: REPLACEMENT OF BRIDGE NO. 06198 CARRYING WHISPERING PINES ROAD OVER STILL BROOK
TOWN(S): STAFFORD
DRAWING TITLE: ROADWAY PLAN

DRAWING NO. HWY-01
SHEET NO.

LASTED SAVED BY: 5394 **FILE NAME:** C:\Users\5394\OneDrive - CHA Consulting, Inc\134-150_CT Connect\Highways\Base_Models\HW_CB_134_150_Alt_2\HW_CB_134_150_Alt_2_Master_Model.dgn
PLOTTED DATE: 6/20/2022



REV.	DATE	REVISION DESCRIPTION

REHABILITATION STUDY REPORT

DESIGNER/DRAFTER: REH CHECKED BY: JP

0 40 80
HORIZONTAL SCALE IN FEET
0 4 8
VERTICAL SCALE IN FEET

SIGNATURE/ BLOCK:

CHA
355 East River Drive, East Hartford, Connecticut 06108
860-290-4500 | www.chacompanies.com

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0134-0150
PROJECT DESCRIPTION: REPLACEMENT OF BRIDGE NO. 06198 CARRYING WHISPERING PINES ROAD OVER STILL BROOK
TOWN(S): STAFFORD
DRAWING TITLE: ROADWAY PROFILE

DRAWING NO. HWY-02
SHEET NO.

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