

PUBLIC INFORMATIONAL MEETING

Bridge No. 095-003

ConnDOT Project No. 9095-0003

REPLACEMENT

OF THE

MUD POND ROAD BRIDGE

OVER BULL MOUNTAIN BROOK

NEW MILFORD, CONNECTICUT

JANUARY 29, 2018

AERIAL VIEW OF BRIDGE NO. 095-003



EXISTING CONDITIONS

- *Mud Pond Road over Bull Mountain Brook was reportedly built in 1985*
- *10' normal span Steel Beam bridge with a corrugated metal deck supported on stone masonry abutments and concrete seat*
- *According to the Bridge inspection Report (April 24, 2014) the bridge superstructure is in poor condition and indicates the bridge would warrant replacement*
- *The current curb to curb width (Bridge width) is 17' to 18' and currently is inadequate.*
- *Drainage Area: 3.636 mi² (Design Storm Frequency: 100 year)*
- *Historical Significance – None*
- *NDDB – No Anticipated Impacts*

LOOKING NORTH OVER BRIDGE



LOOKING SOUTH OVER BRIDGE



EXISTING BRIDGE

***DOWNSTREAM
EMBANKMENT***



***DOWNSTREAM
ELEVATION***



EXISTING BRIDGE

***UPSTREAM CHANNEL
LOOKING UPSTREAM***



UPSTREAM ELEVATION



EXISTING BRIDGE

**TYPICAL BEAM
CONDITION**



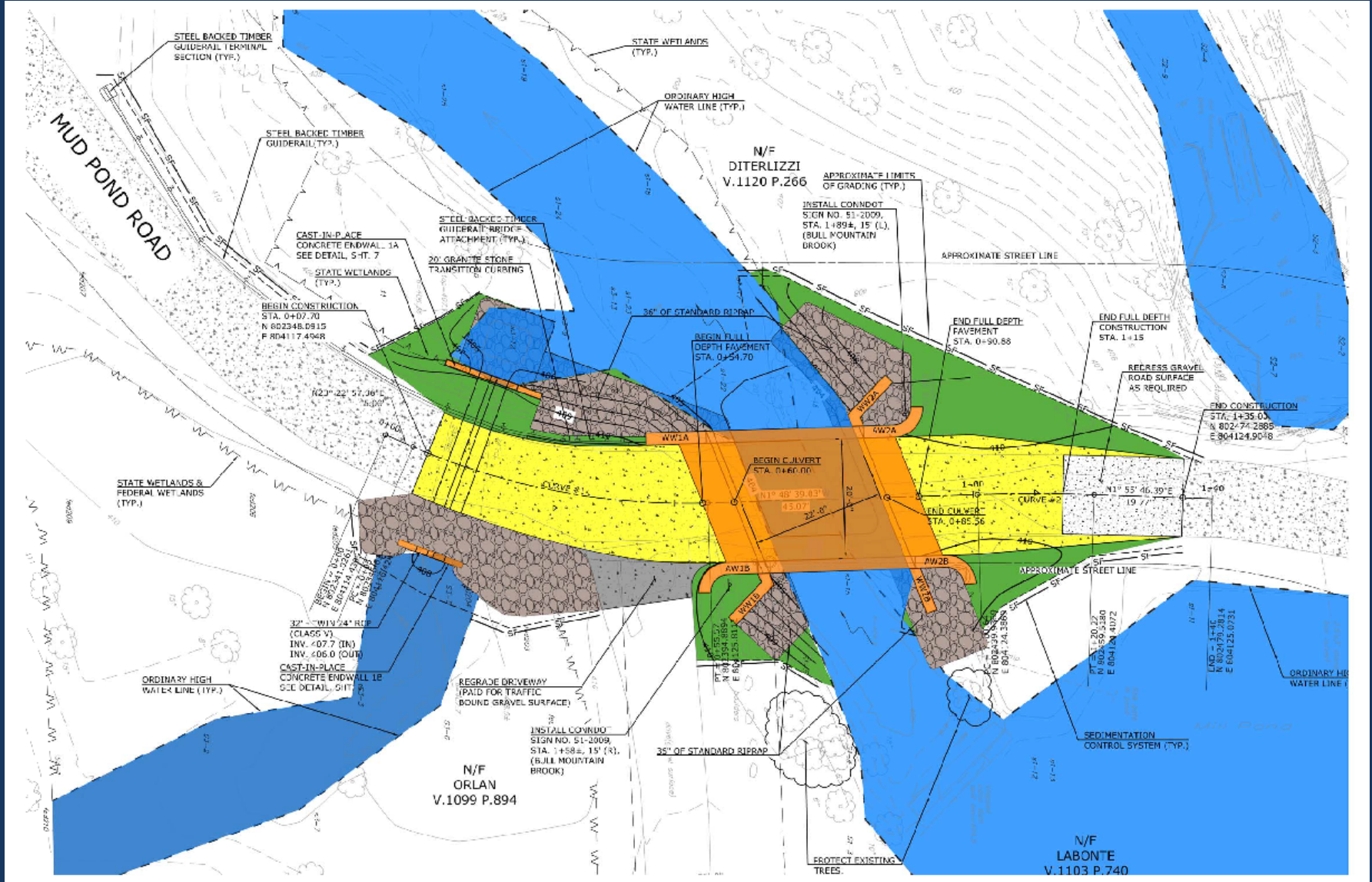
ABUTMENT ELEVATION



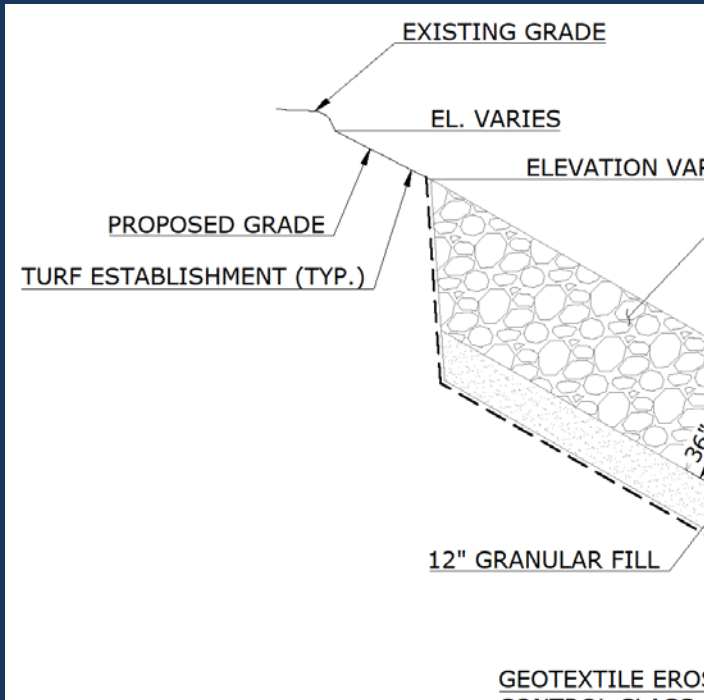
PROPOSED CONSTRUCTION

- *Replace 10' normal span Steel Beam bridge with a corrugated metal deck supported on stone masonry abutments and concrete seat.*
- *Proposed to be replaced with a 22' x 5' Precast concrete box culvert.*
- *Precast concrete wingwalls with cast in place headwalls and approach walls at both ends of the bridge.*
- *Bridge width proposed to be widened to 20' from 17'-18' +/- curb to curb.*
- *New wooden guide rail and guide rail anchor at south approach.*
- *Full depth reconstruction of gravel roadway within project limits*
- *Pavement section over precast box and at immediate approaches.*
- *Vertical and horizontal geometry will remain relatively the same*
- *Mud Pond Road will be closed during construction*

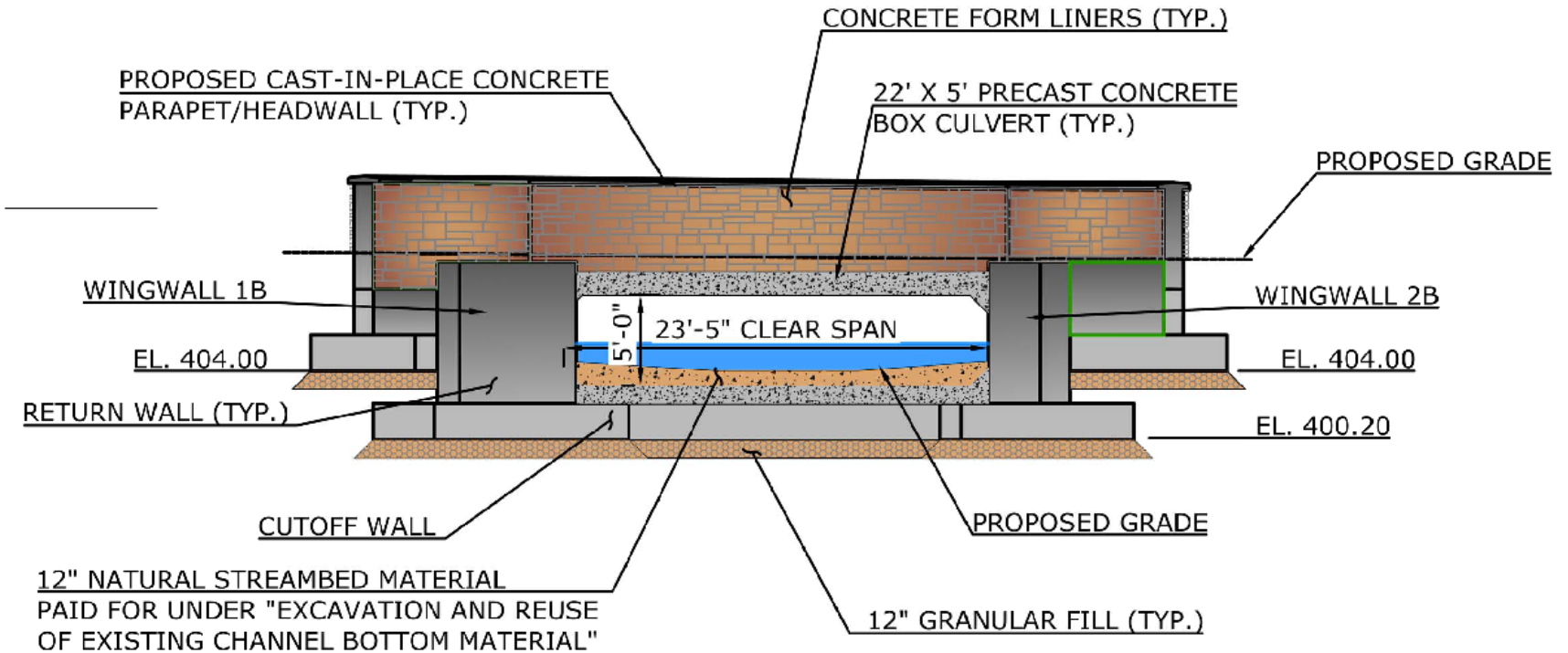
PROPOSED ROADWAY PLAN



PROPOSED EMBANKMENT PROTECTION



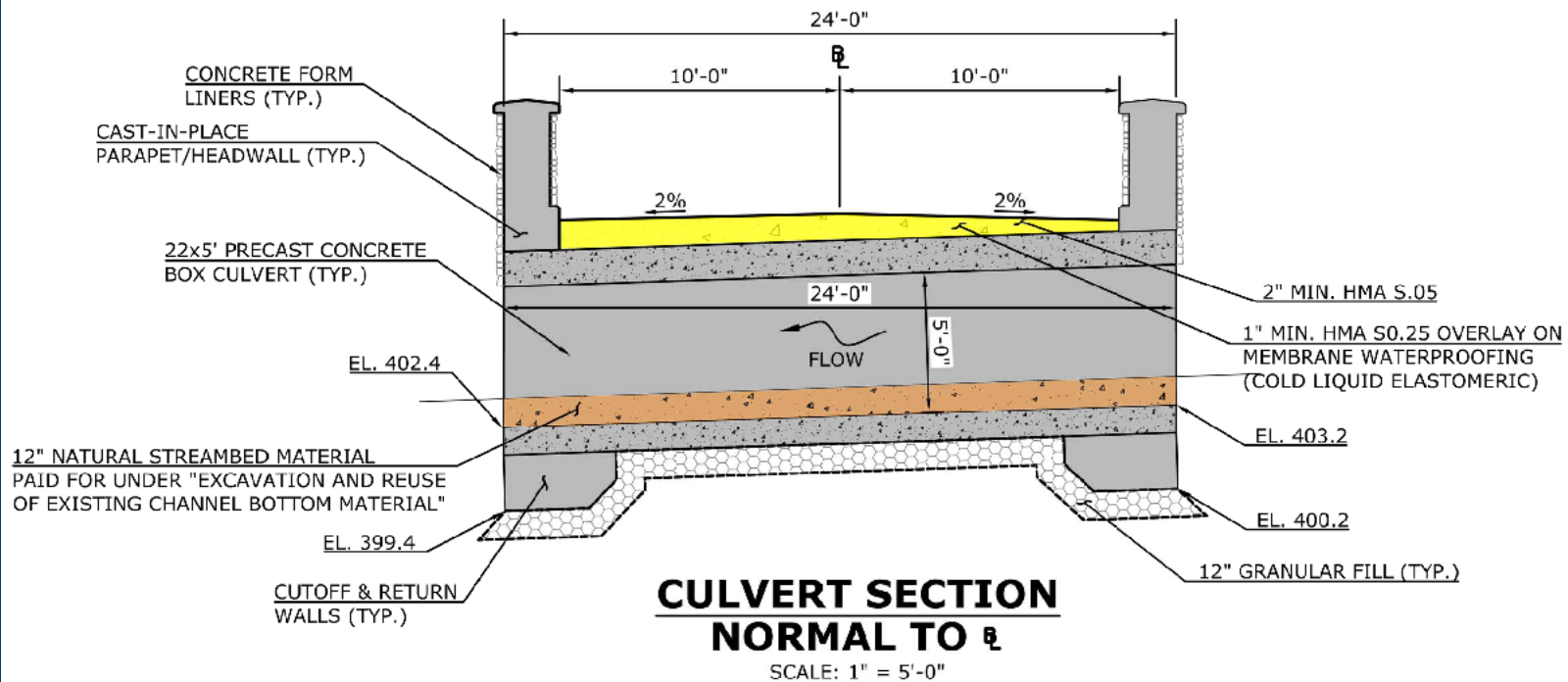
STRUCTURE ELEVATION



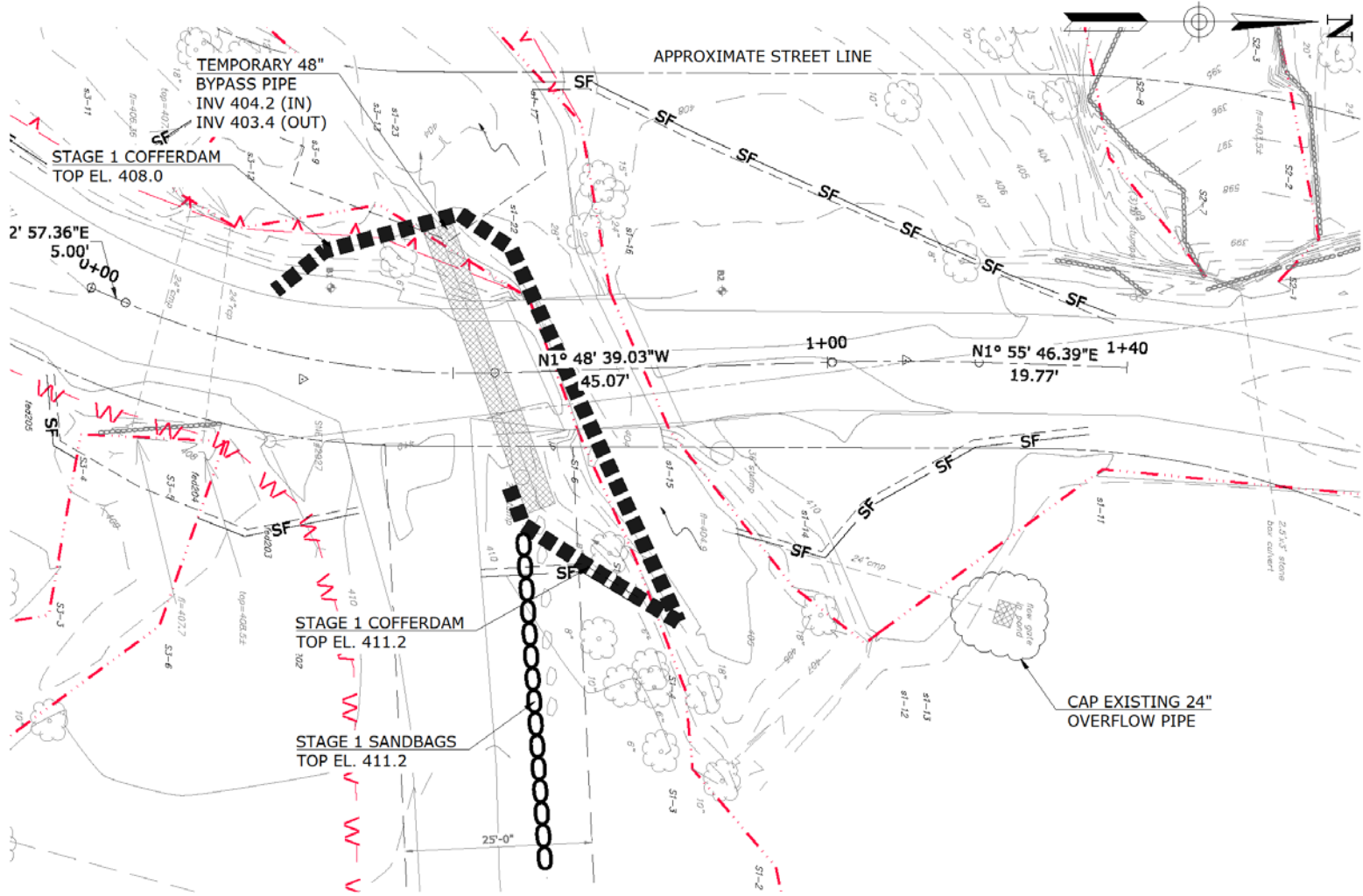
STRUCTURE ELEVATION (LOOKING DOWNSTREAM)

SCALE: 1" = 10'-0"

STRUCTURE SECTION VIEW



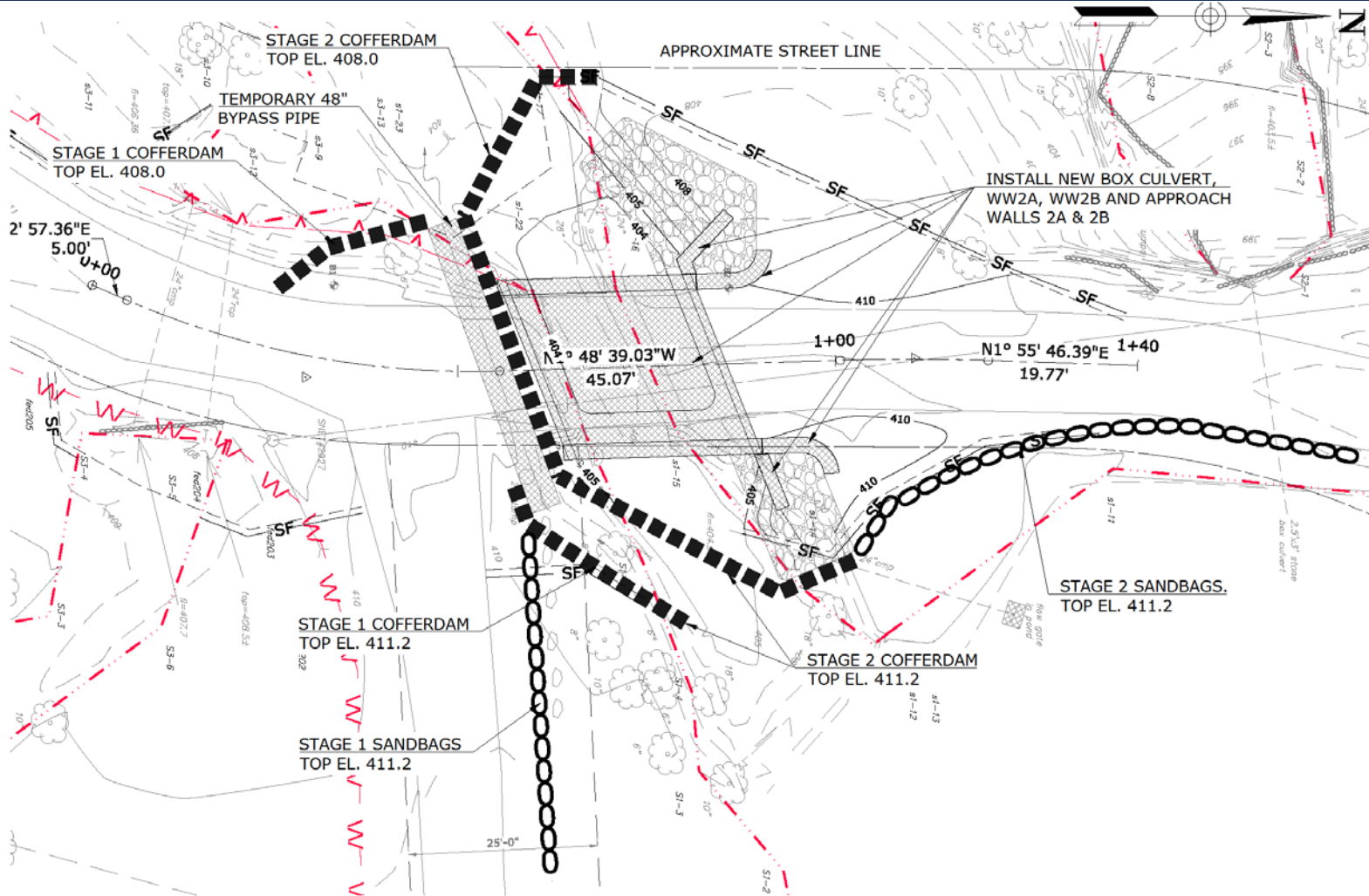
PROPOSED CONSTRUCTION



HANDLING WATER PLAN - STAGE 1

Stage 1

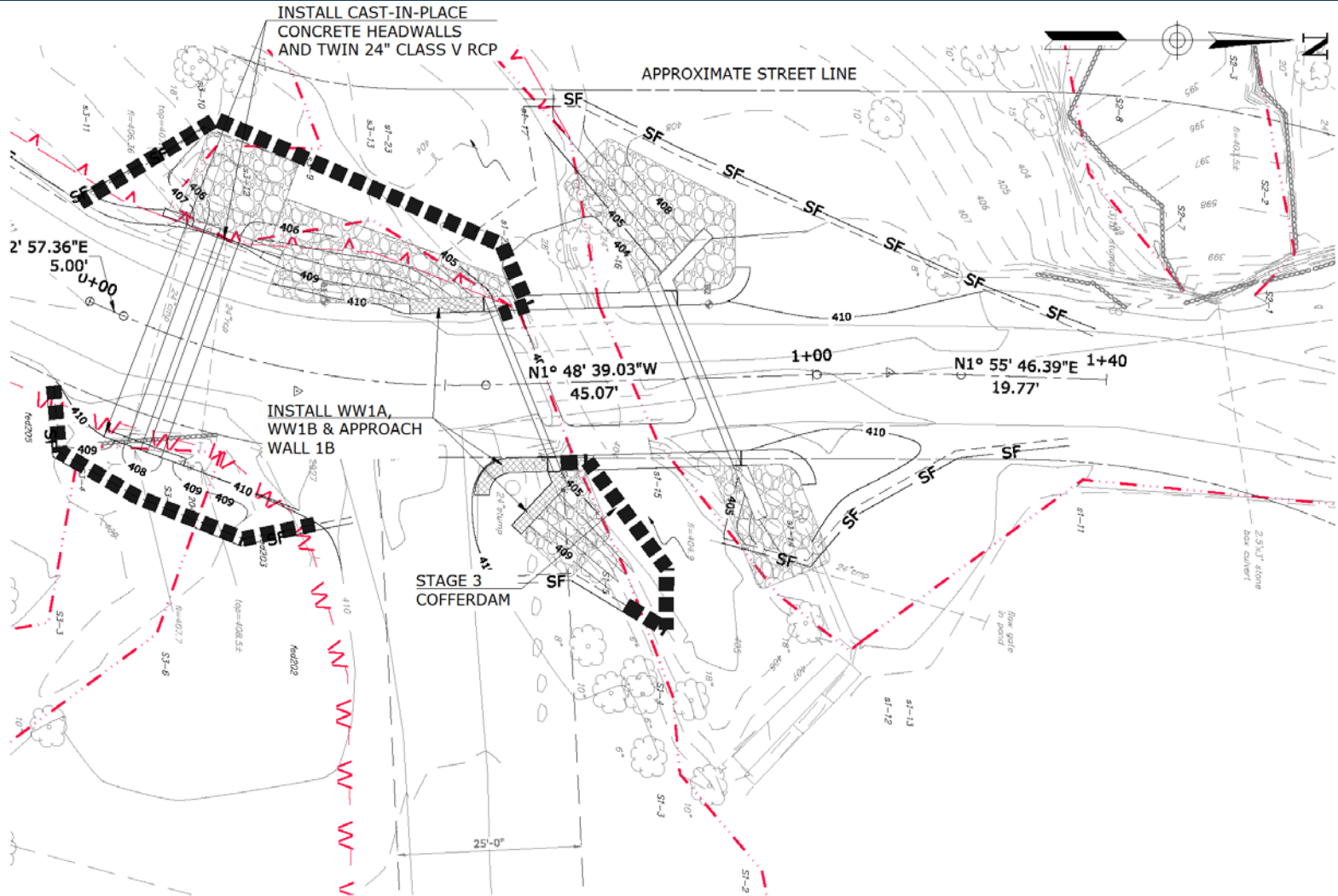
PROPOSED CONSTRUCTION



HANDLING WATER PLAN - STAGE 2

Stage 2

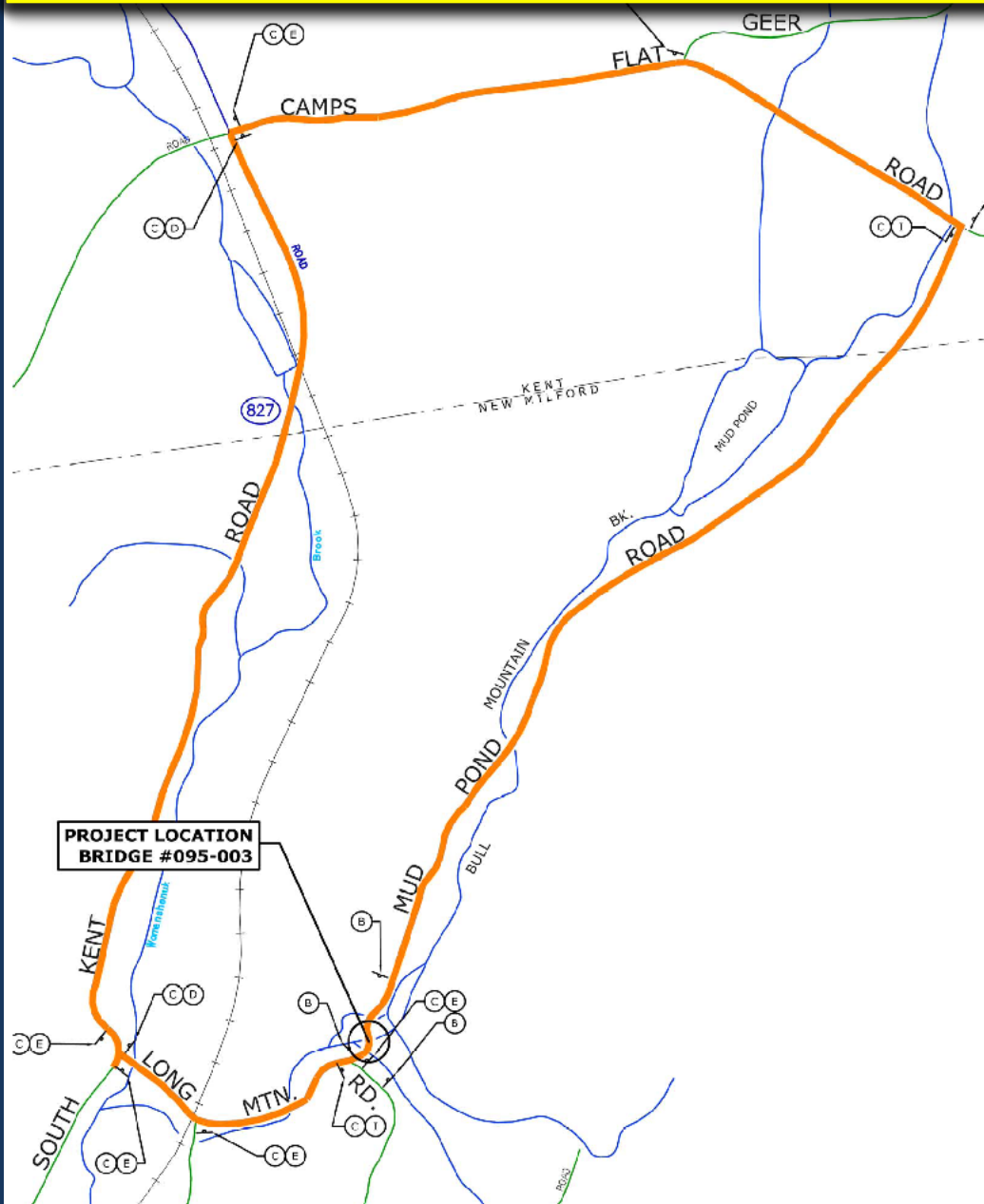
PROPOSED CONSTRUCTION



HANDLING WATER PLAN - STAGE 3

Stage 3

PROPOSED DETOUR



CT DEEP Fisheries Coordination

- *DEEP Fisheries Coordination June 9, 2017*
- *Fisheries Recommendations*
 1. *Culvert shall be installed no less than 1 foot below existing grade.*
 - *Included*
 2. *Culvert should be filled with 1 foot of natural streambed material.*
 - *Included*
 3. *Install and maintain E&S controls until construction is complete and areas are restored with native plants.*
 - *Best management practices will be used to handle sedimentation control and native plants at the fringes of the proposed riprap are included.*
 4. *Minimize footprint of riprap and cover with natural streambed material if required.*
 - *Riprap is proposed along the embankments and will be covered with streambed material at the toe of the riprap slope.*
 5. *Un-confined In-stream Activities - June 1 through September 30.*
 - *Included*

CONSIDERATIONS & ANTICIPATED PERMITS

- ***Upstream Property Impacts***
- *Permanent Easements for bridge and drainage structures*
- *Temporary construction easements*
- ***Hydraulic Information***
- *Drainage Area: 3.636 mi²*
- *Design Storm Frequency: 100 year*
- ***FEMA: Zone A (No Regulatory Flows Established)***
- ***Species of Special Concern*** – *Construction activities not anticipated to negatively impact State listed Species.*
- ***Permits anticipated:***
 - ACOE - PCN*
 - Local Flood Management*
 - Town IWWC*

PROJECT SCHEDULE

- *The cost of construction for the year 2018 is approximately \$800,000*
- *Funding will be 47.15% State funds and 52.85% Town funds*
 - *State: \$377,200*
 - *Town: \$422,800*
- *Start of construction: 2018*
- *Duration of construction: Approx. 6 months*

PUBLIC INFORMATIONAL MEETING

Bridge No. 095-021

ConnDOT Project No. 9095-0021

REPLACEMENT

OF THE

GAYLORD ROAD BRIDGE

OVER MORRISSEY BROOK

NEW MILFORD, CONNECTICUT

JANUARY 29, 2018

AERIAL VIEW OF BRIDGE NO. 095-021



EXISTING CONDITIONS

- *Gaylord Road over Morrissey Brook was reportedly built in 1950*
- *18'-5" normal span Steel Beam Bridge with concrete deck supported on concrete abutments and wingwalls*
- *According to the Bridge inspection Report (April 25, 2014) the bridge substructure is in serious condition and indicates the bridge would warrant replacement*
- *The current curb to curb width (Bridge width) is 14' +/- and currently is inadequate.*
- *Drainage Area: 5.814 mi² (Design Storm Frequency: 100 year)*
- *Historical Significance – None*
- *NDDB – Protective measures required to protect species of concern*

LOOKING NORTH OVER BRIDGE



LOOKING SOUTH OVER BRIDGE



EXISTING BRIDGE

LOOKING DOWNSTREAM



**DOWNSTREAM
ELEVATION**



EXISTING BRIDGE

***UPSTREAM CHANNEL
LOOKING DOWNSTREAM***



UPSTREAM ELEVATION



EXISTING BRIDGE

ABUTMENT CONDITION



WINGWALL CONDITION

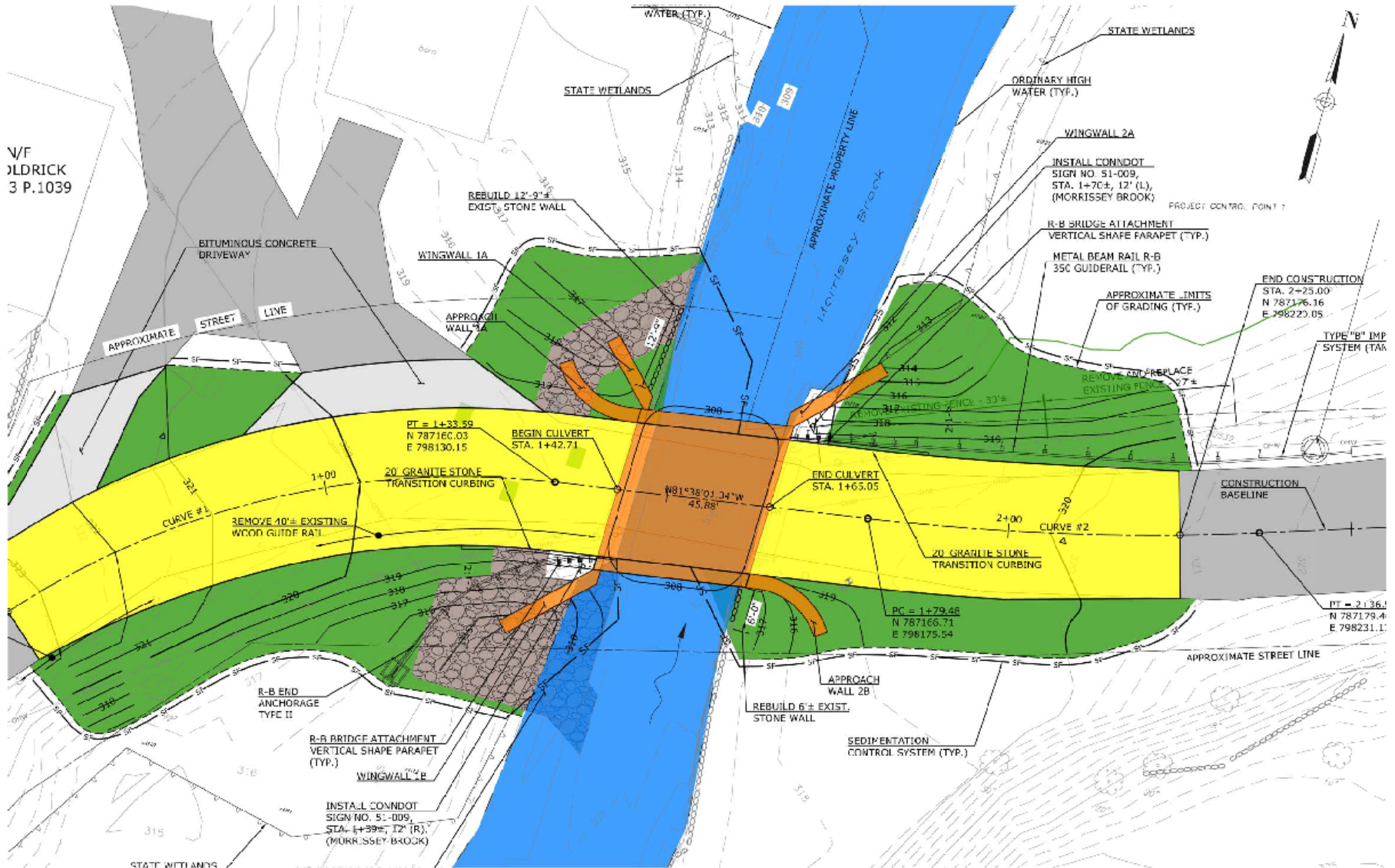


PROPOSED CONSTRUCTION

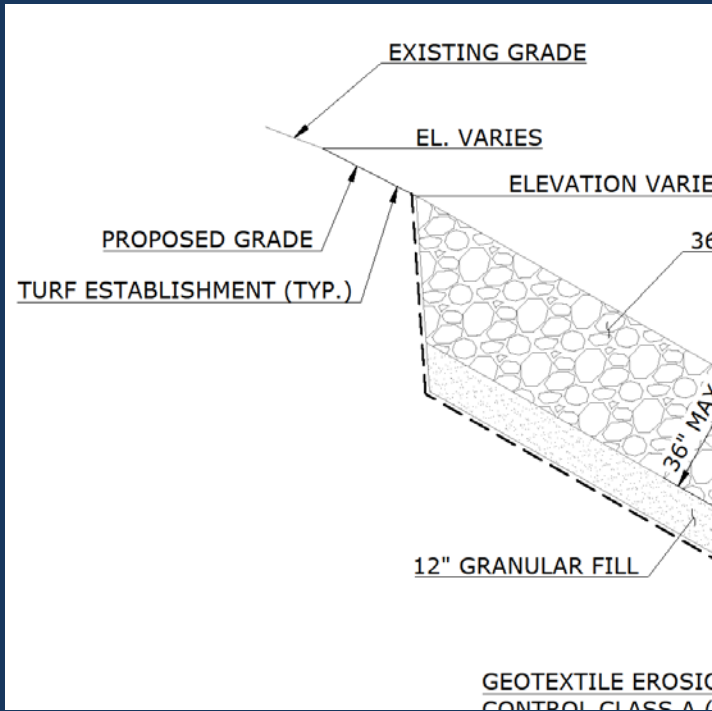
- *Replace existing 18'-5" normal span Steel Beam Bridge with concrete deck supported on concrete abutments and wingwalls.*
- *Proposed to be replaced with a 20' x 8' precast concrete box culvert.*
- *Precast concrete wingwalls with cast in place headwalls*
- *Bridge width proposed to be widened to 20' from 14' +/- curb to curb.*
- *Curved approach walls at northwest and southeast approaches.*
- *New guide rail and guide rail anchor at southwest and northeast approaches.*
- *Full depth reconstruction of pavement within project limits*
- *Minor improvements to vertical and horizontal geometry (will remain relatively the same)*
- *Gaylord Road will be closed during construction*

PROPOSED ROADWAY PLAN

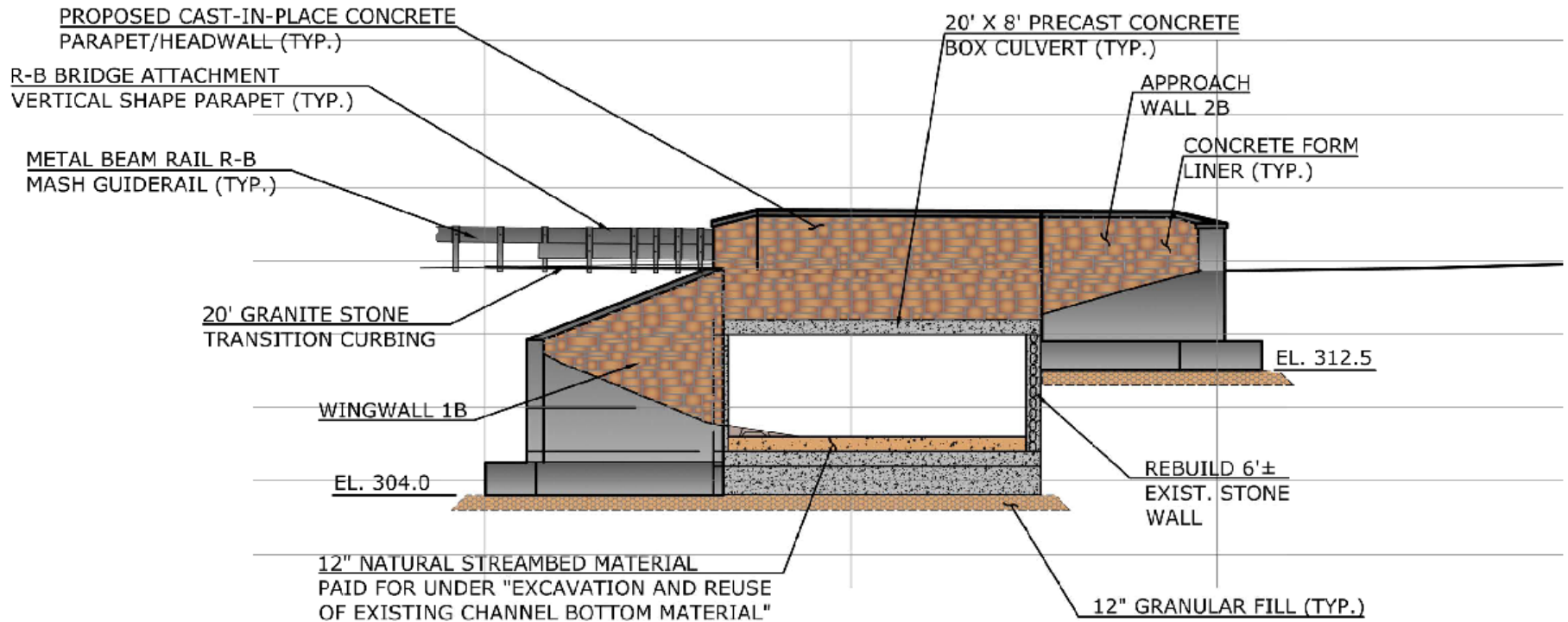
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PROPOSED EMBANKMENT PROTECTION



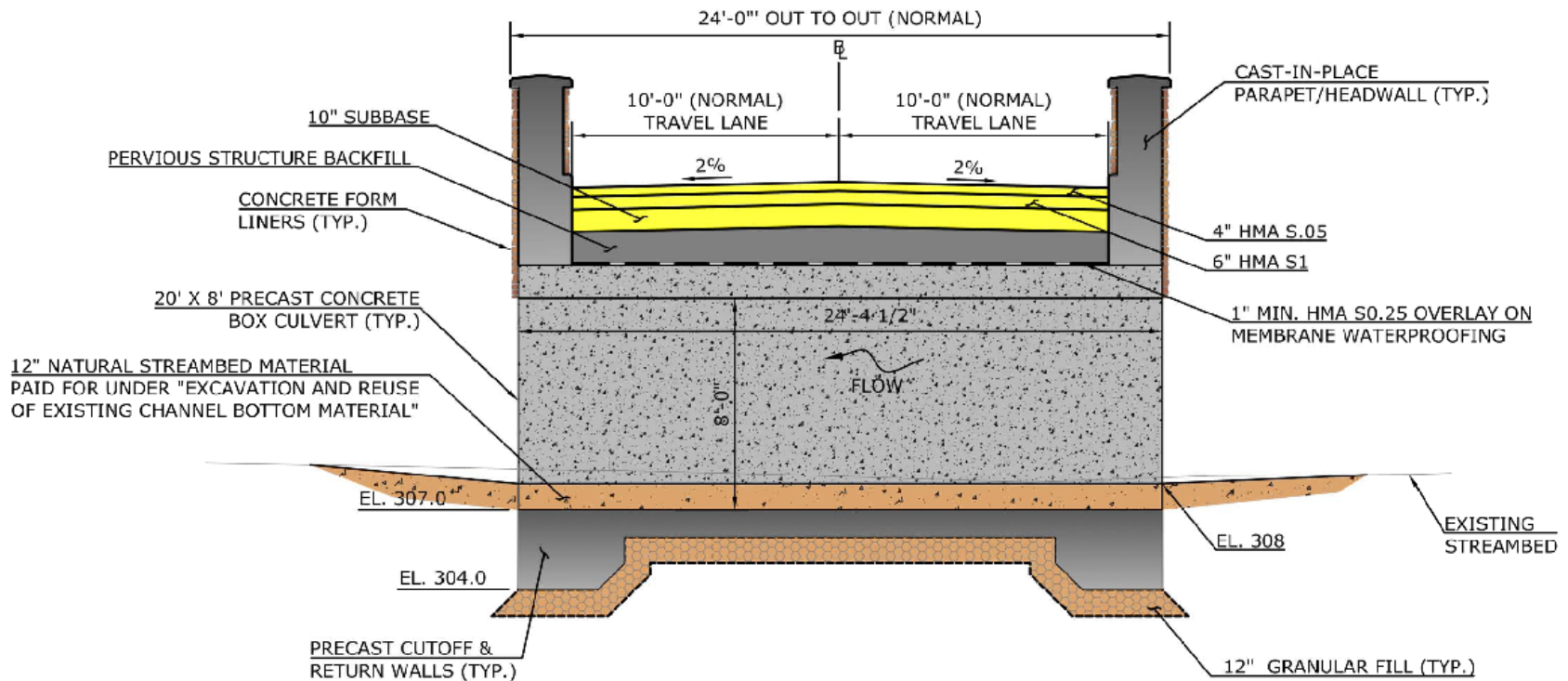
STRUCTURE ELEVATION



STRUCTURE ELEVATION **(LOOKING DOWNSTREAM)**

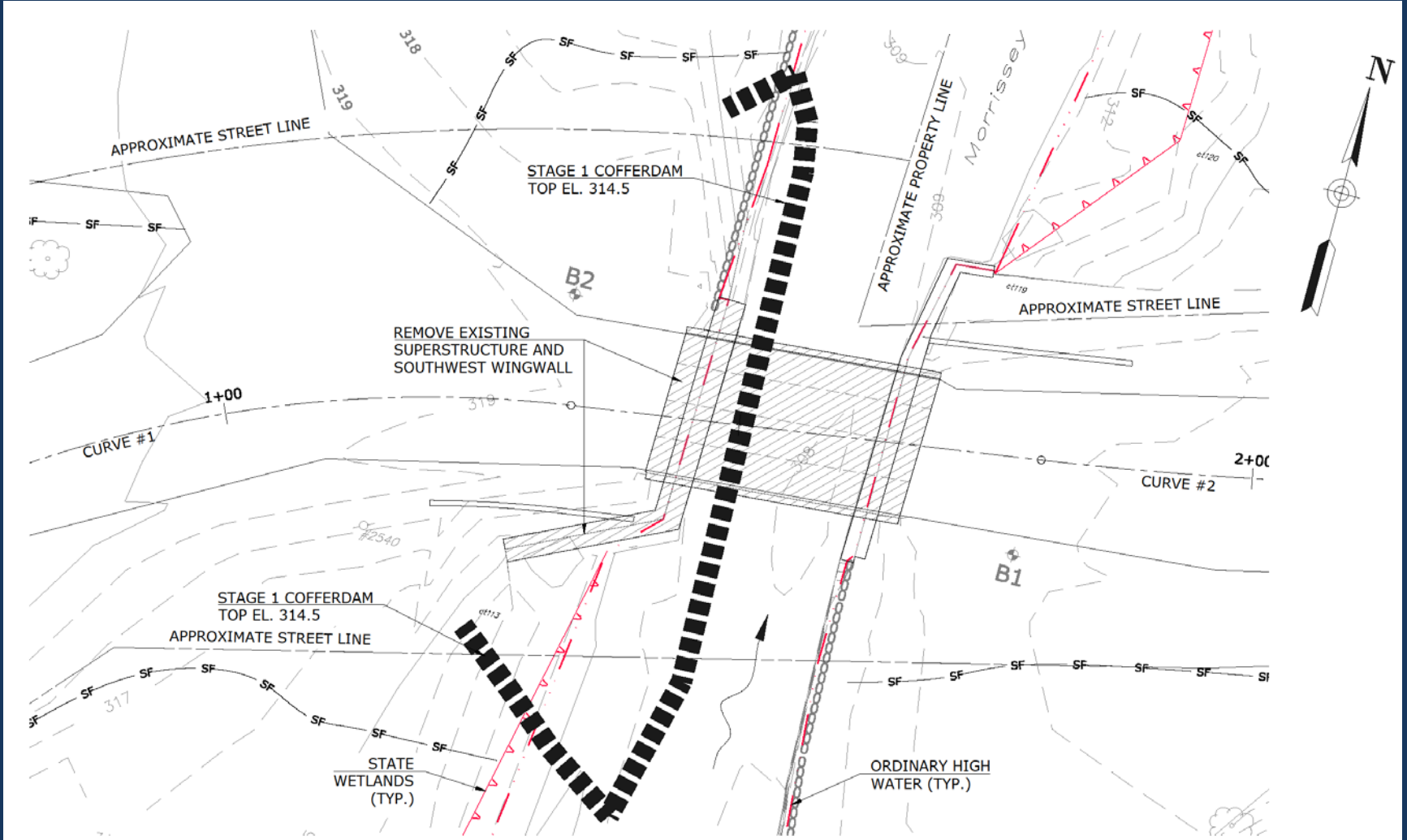
SCALE: 1" = 10'-0"

STRUCTURE SECTION VIEW



**CULVERT SECTION
ALONG ϵ OF CULVERT**

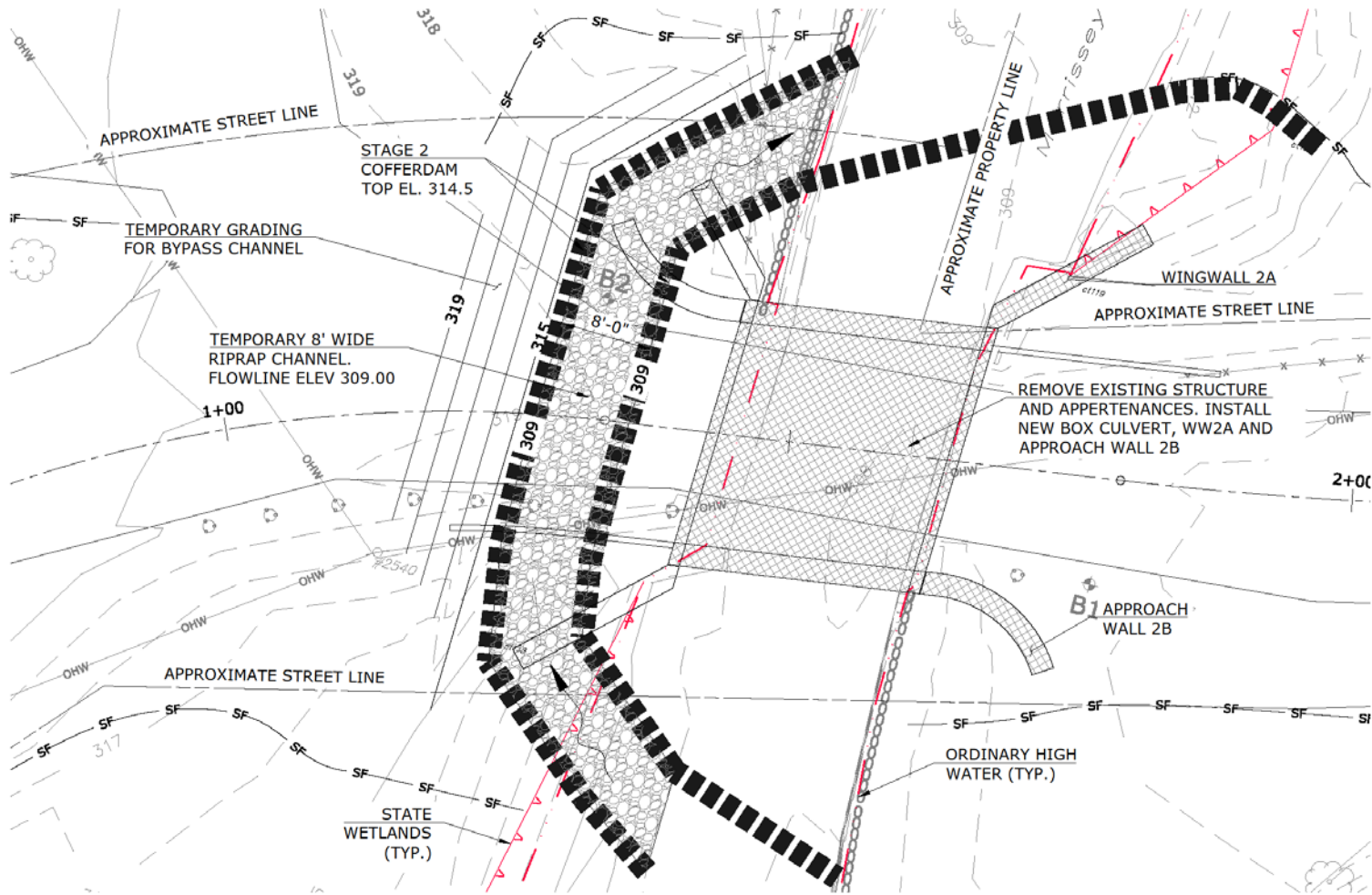
PROPOSED CONSTRUCTION



HANDLING WATER PLAN - STAGE 1

Stage 1

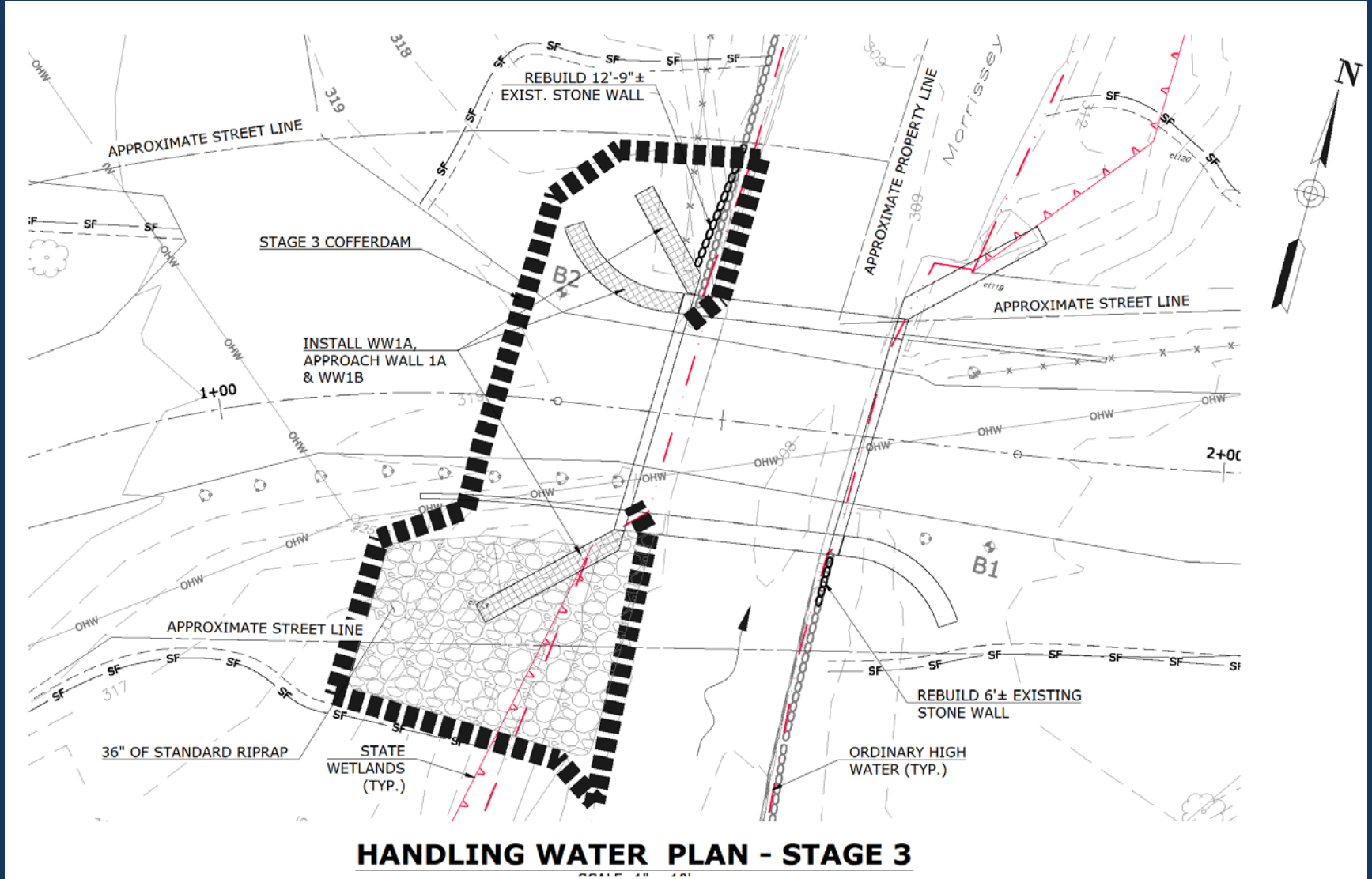
PROPOSED CONSTRUCTION



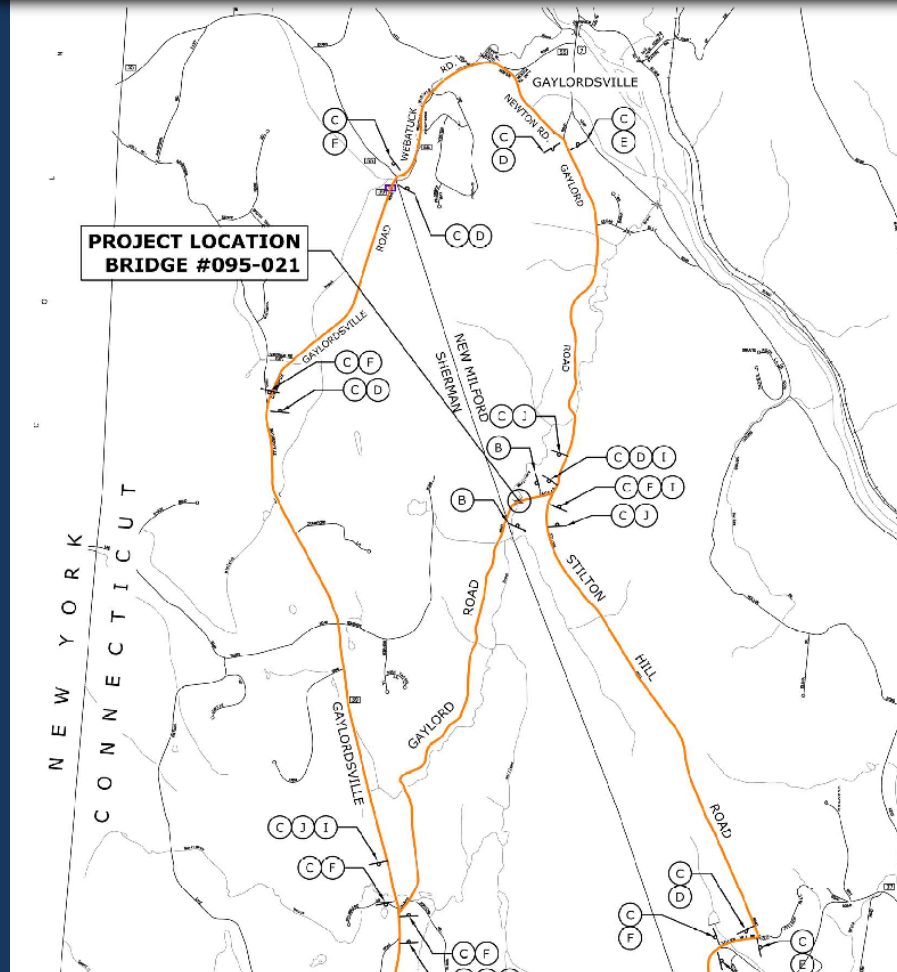
HANDLING WATER PLAN - STAGE 2

Stage 2

PROPOSED CONSTRUCTION



PROPOSED DETOUR



CT DEEP Fisheries Coordination

- *DEEP Fisheries Coordination June 9, 2017*
- *Fisheries Recommendations*
 1. *Culvert shall be installed no less than 1 foot below existing grade.*
 - *Included*
 2. *Culvert should be filled with 1 foot of natural streambed material.*
 - *Included*
 3. *Install and maintain E&S controls until construction is complete and areas are restored with native plants.*
 - *Best management practices will be used to handle sedimentation control and wetland grass seed mix will be proposed along the stream banks.*
 4. *Minimize footprint of riprap and cover with natural streambed material if required.*
 - *Riprap is proposed at southwest wingwall only and will be covered with streambed material at the toe of the riprap slope.*
 5. *Un-confined In-stream Activities - June 1 through September 30.*
 - *Included*

CONSIDERATIONS & ANTICIPATED PERMITS

- ***Property Impacts***

- *Temporary construction easements both up and down stream*

- *Permanent Easements Upstream for scour protection and guiderail installation*

- *Permanent Easement downstream for construction of concrete wingwall*

Hydraulic Information

- *Drainage Area: 5.814 mi²*

- *Design Storm Frequency: 100 year*

- ***FEMA: Zone A (No Regulatory Flows Established)***

- ***Species of Special Concern – Construction Activities -April 1st to September 30th , during species active season***

- ***Permits anticipated:***

ACOE - PCN

Local Flood Management

Town IWWC

PROJECT SCHEDULE

- *The cost of construction for the year 2018 is approximately \$1,000,000*
- *Funding will be 47.15% State funds and 52.85% Town funds*
 - *State: \$471,500*
 - *Town: \$528,500*
- *Start of construction: 2019*
- *Duration of construction: Approx. 6-8 months*

CONTACT INFORMATION

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