

Town of Simsbury

Office of Community Planning and Development - Inland Wetlands Permit Application

DATE: 2/9/2024 FEE: \$ _____ CK #: _____ APP #: _____

PROPERTY ADDRESS: Vicinity of 1503 Hopmeadow Street

NAME OF APPLICANT: Town of Simsbury / Engineering Department

MAILING ADDRESS: 933 Hopmeadow Street

EMAIL ADDRESS: akessler@simsbury-ct.gov TELEPHONE # 860-658-3260

NAME OF OWNER: Town of Simsbury

MAILING ADDRESS: 933 Hopmeadow Street

EMAIL ADDRESS: akessler@simsbury-ct.gov TELEPHONE # 860-658-3260

NOTE: ATTACH A WRITTEN LETTER OF AGENCY, DULY ACKNOWLEDGED, TO ACT FOR THE OWNER, INCLUDING THE ABILITY TO CARRY OUT ACTIVITIES SET FORTH HEREIN.

DESCRIBE THE REGULATED ACTIVITIES REQUIRED FOR THIS APPLICATION AS IT RELATES TO

“REGULATED ACTIVITIES” AS DEFINED IN SECTION 6 OF THE SIMSBURY INLAND WETLANDS REGULATIONS,

SUCH AS: A) Remove material from; B) Deposit material in or discharge to; C) Construct on; D) Obstruct; E) Alter; F) Pollute; G)

Otherwise adversely affect regulated area

Construct a culvert extension within the right-of-way by installing a storm manhole, pipe, and new headwall.

See Project Narrative, attached.

CERTIFICATIONS AND PERMISSIONS:


As owner, I hereby give permission to the Town of Simsbury’s Conservation Commission Inland Wetlands Watercourses Agency, their Agents, or Town Staff to enter upon my land to make observations and tests as may be necessary to evaluate this application and ongoing work, subject to twenty-four hours notice of such entry/testing.

I hereby certify that all statements herein are true to the best of my knowledge, whether made by me or my agents. Any permit issued shall be contingent upon field conditions and activities being substantiated as indicated herein. A changed situation shall require reconsideration of the permit by the Commission upon discovery by either party.

I certify that I have the authority to sign this application.

Signature of Owner

Date



Signature and Title of Applicant

2/9/2024

Date

Telephone (860) 658-3245
Facsimile (860) 658-3206

www.simsbury-ct.gov

933 Hopmeadow Street
Simsbury, CT 06070



Town of Simsbury

933 HOPMEADOW STREET ~ SIMSBURY, CONNECTICUT 06070

Engineering Department

HOPMEADOW STREET CONNECTIVITY PROJECT (L128-0002)

PROPOSED CULVERT EXTENSION AT SAXTON BROOK

The Town has nearly completed construction of a new sidewalk along Hopmeadow Street from Hoskins Road to the DOT facility located between Wolcott Road and Gordon Street. The current design in the vicinity of Saxton Brook at #1503 Hopmeadow Street included a retaining wall parallel to the road to support the sidewalk. This section of the project has been delayed due to winter conditions and the need to temporarily narrow Hopmeadow Street during the construction of the wall.

During the winter shut down period, the Town and their consultants reviewed the retaining wall design and contractor pricing. As proposed the retaining wall system will include geofabric tie-backs that extend above the existing sanitary sewer main. Relocation of the sewer main is cost prohibitive. Constructing above the sanitary sewer is not desirable due to potential for damage, future access, and increased load. Further, costs have been driven higher due to contractor availability and willingness to construct the wall system.

As a result, we determined a culvert extension and new headwall in lieu of the retaining wall is a prudent alternative worth developing. The work consists of removal of the deteriorated headwall, installation of a manhole, installation of 14 LF of pipe, installation of a new concrete headwall, backfilling, and slope restoration. The Town recently received concurrence from DOT District 4 for the culvert extension.

Based on the size of the stream, which has been known to run dry in this area, a simple sandbag cofferdam and pumping will be sufficient for water handling. Additionally, the contractor may elect to utilize a temporary pipe as bypass. We anticipate the work to be completed within 3-4 weeks rather than 6-8 weeks for the retaining wall option.

The work will likely proceed as follows:

1. Cofferdam and pumping for excavation and setting of the manhole and pipe. Backfill most of the pipe.
2. Extend the inlet to the cofferdam with a temporary pipe, form the headwall, and pour concrete.
3. Backfill headwall and complete the grading work, remove cofferdam and temporary pipe.
4. Establish turf slope with topsoil, biodegradable matting, and seed.
5. Remove E&S Controls.

TOTAL IMPACTS (sq.ft.)		
	Retaining Wall	Culvert Extension
Upland Review Area	460	1,190
Wetland Area	-	226

February 8, 2024

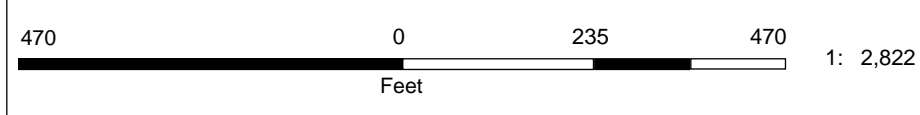
GIS Wetland Map



Legend	
	Parcels
	Street Labels
	Town Border
	CT_Simsbury.DBO. ACAD_Wetlands_AmmendedT
	CT_Simsbury.DBO. ACAD_Wetlands_SCStext_Arc
	CT_Simsbury.DBO. ACAD_Wetlands_RiversStrear
	CT_Simsbury.DBO.ACAD_We
	CT_Simsbury.DBO. ACAD_SOIL_Wetlands_Agenc
	CT_Simsbury.DBO. ACAD_Wetlands_Ponds_Arcs
	CT_Simsbury.DBO. ACAD_Wetlands_Ponds_Poly
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	CT_Simsbury.DBO. ACAD Wetlands RiversStrear



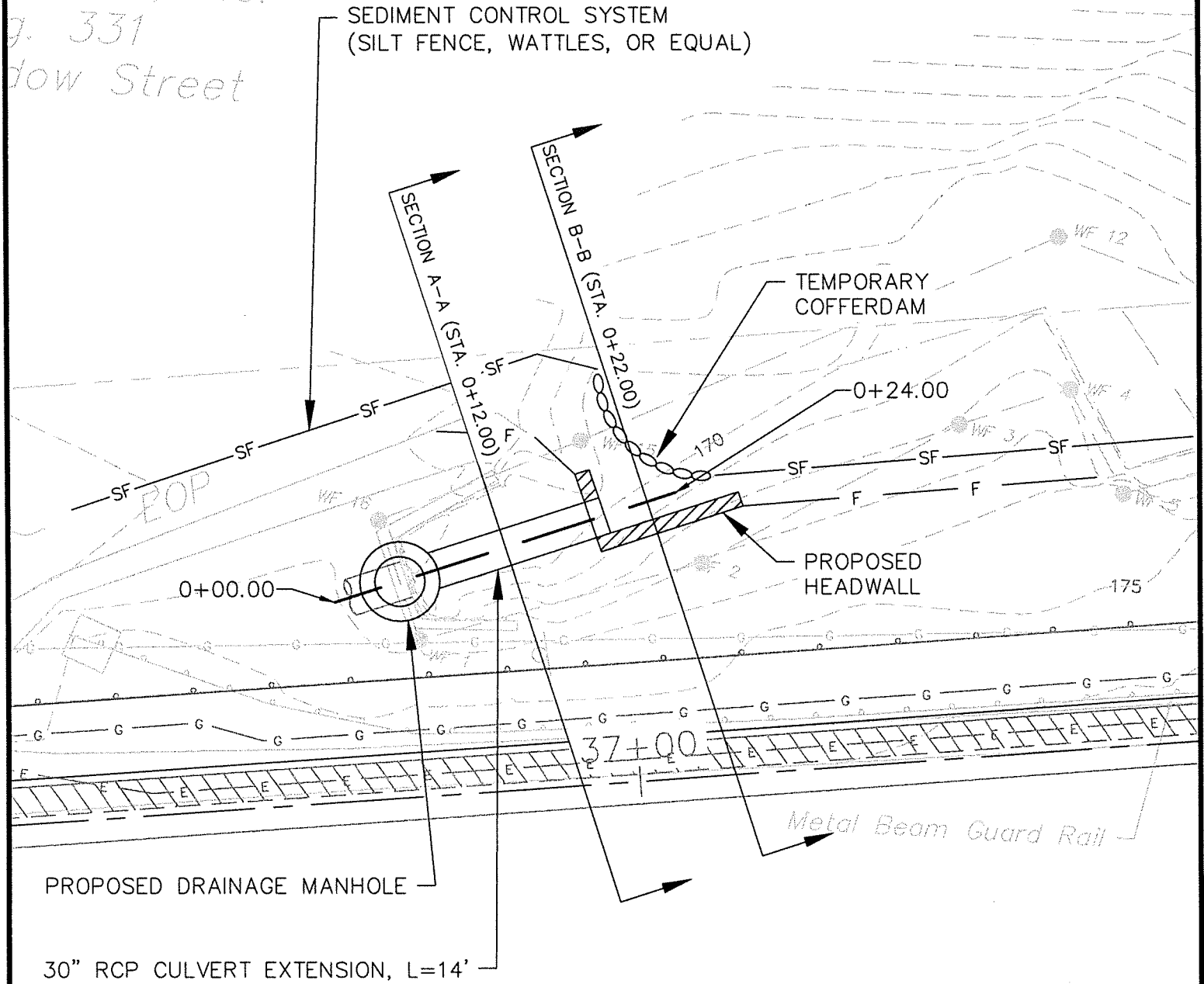
Notes



This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Soil and Erosion Control Plan

Associates, Inc.
g. 331
dow Street



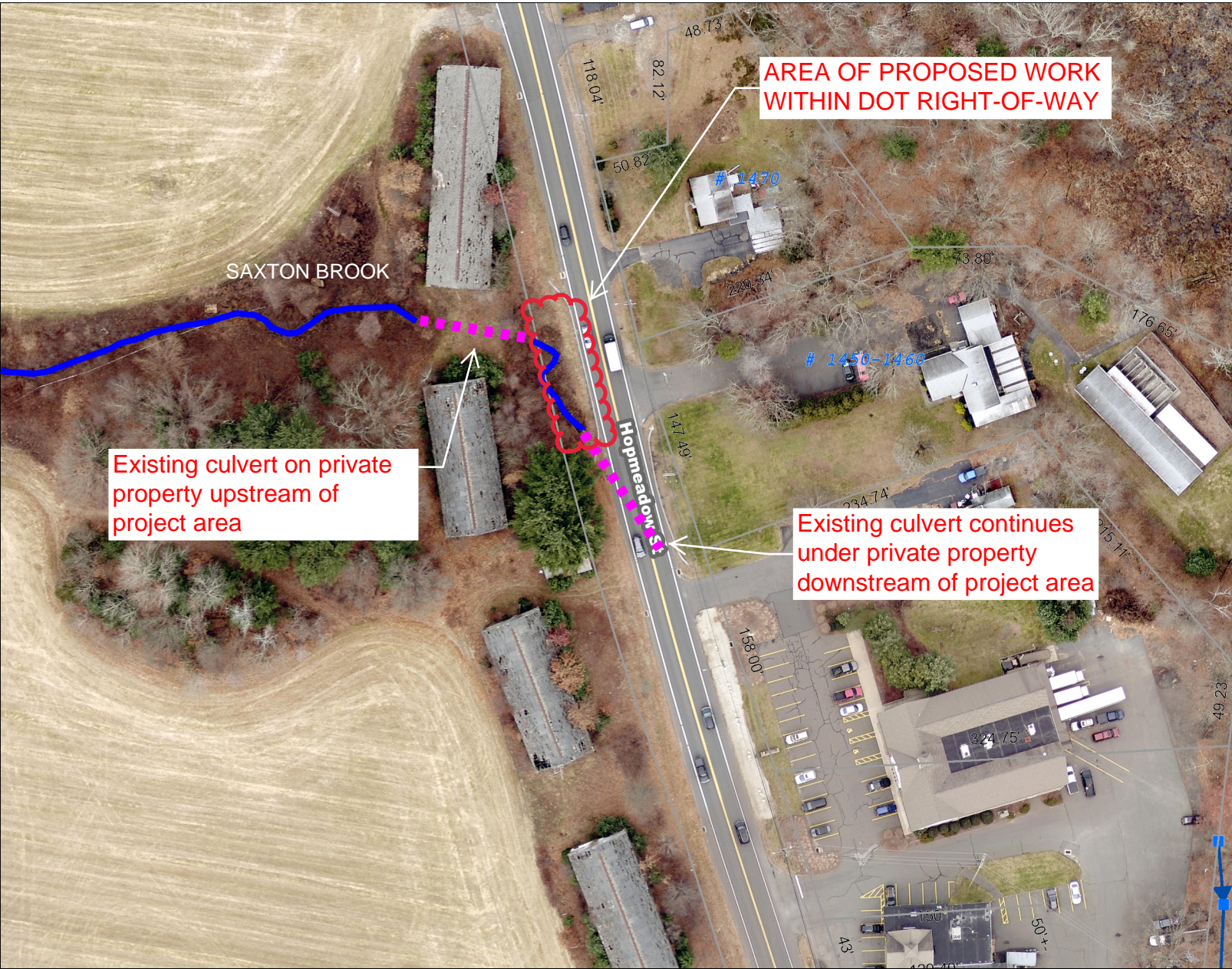
PLAN VIEW
SCALE: 1"=10'



IWWA/CC APPLICATION
CULVERT EXTENSION NEAR 1503 HOPMEADOW STREET

PREPARED BY: TOWN OF SIMSBURY ENGINEERING DEPARTMENT
DATED: FEBRUARY 28, 2024

Town of Simsbury, CT

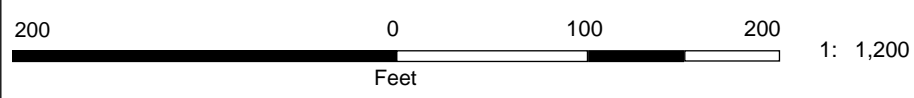


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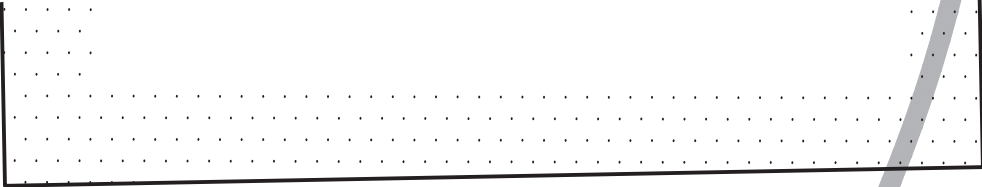
- Parcels
- Street Labels
- Town Border
- ▲ Outfalls
- ▲ Headwalls
- Catch Basin
 - Catch Basin
 - Infiltrator
 - Manhole
 - Pipe End
 - Settling Basin
- Manhole
- ⊗ Infiltrators
- Settling Basins
- Drainage Lines
 - Pipe
 - Stream Crossing



Notes



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Tax ID: 104-403-015
 N/F
 River Bend Associates, Inc.
 Bk. 472 Pg. 331
 #1503 Hopmeadow Street

Existing Headwall

Upstream Pipe Outlet

Right-of-Way

SPECIAL FLOOD HAZARD AREA A

nc Mon Cross

Mtrunk

EOP

EOP

Bit Curb

CB
 TF=176.88

Metal Beam Guard Rail

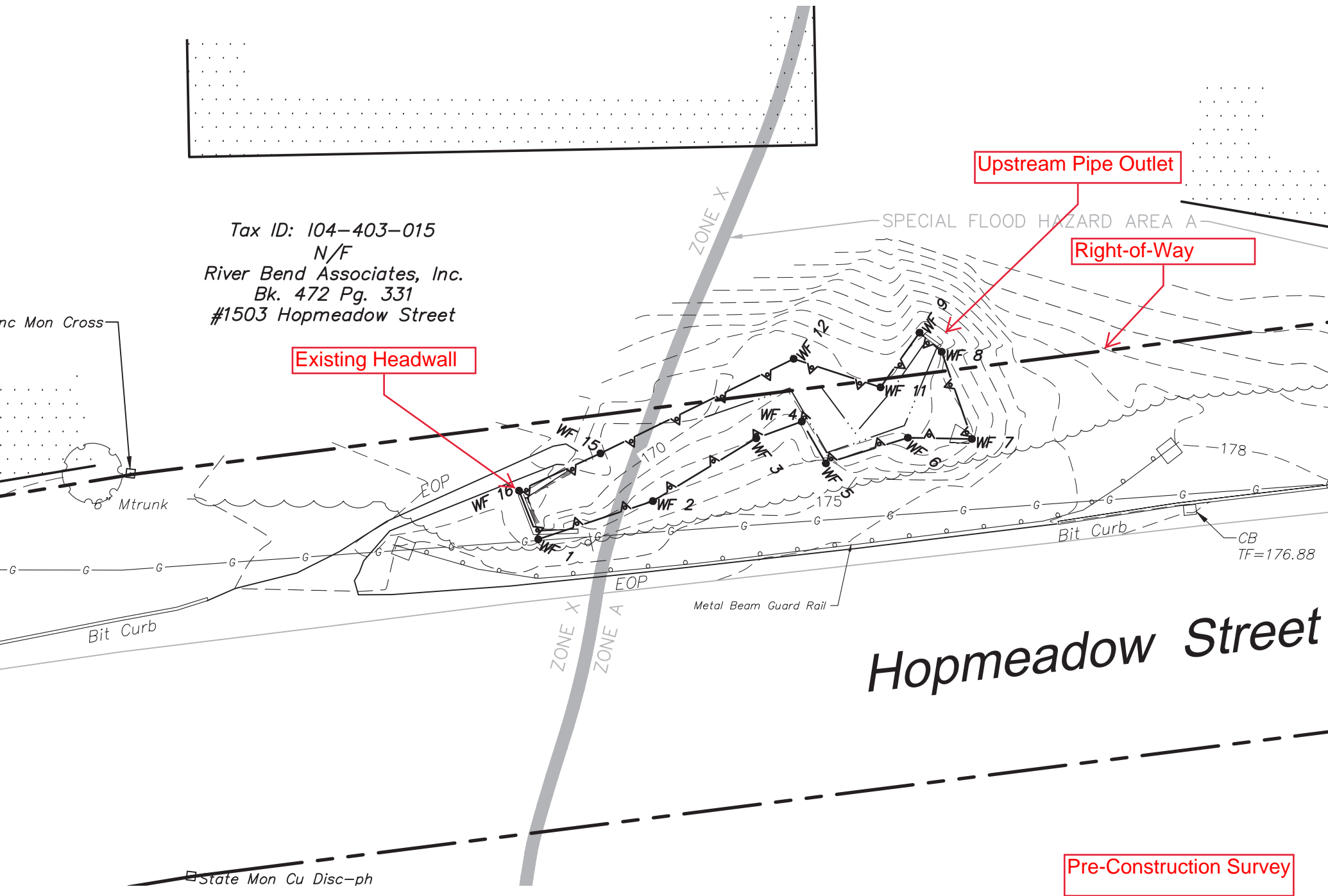
Bit Curb

ZONE X
 ZONE A

Hopmeadow Street

State Mon Cu Disc-ph

Pre-Construction Survey



LPT STA. 31+06.84

HOPMEADOW STREET *Conc Mon Broken*

REMOVE DELINEATOR
MOVE METAL BEAM RAIL
VERTICAL PARAPET

APPROX. SLOPE LIMIT

APPROXIMATE LIMIT OF WETLANDS (TYP.)

POTENTIAL TEST PIT DURING CONSTRUCTION

MONOLITHIC CONCRETE SIDEWALK AND CURB

PRECAST CONCRETE BLOCK RETAINING WALL (SEE SHEET S-01)

GAS MAIN RELOCATION (BY OTHERS)

RB-350 BRIDGE ATTACHMENT TO VERTICAL SHAPE PARAPET

END MONOLITHIC CONCRETE SIDEWALK BEGIN 5' CONCRETE SIDEWALK

SEDIMENTATION CONTROL SYSTEM (TYP.) (DOUBLED IN AREA ADJACENT TO WETLANDS)

SEDIMENT CONTROL SYSTEM (TYP.)

2" SCH-80 PVC CONDUIT

SPECIAL FLOOD HAZARD AREA A

R-B END ANCHORAGE-TYPE II

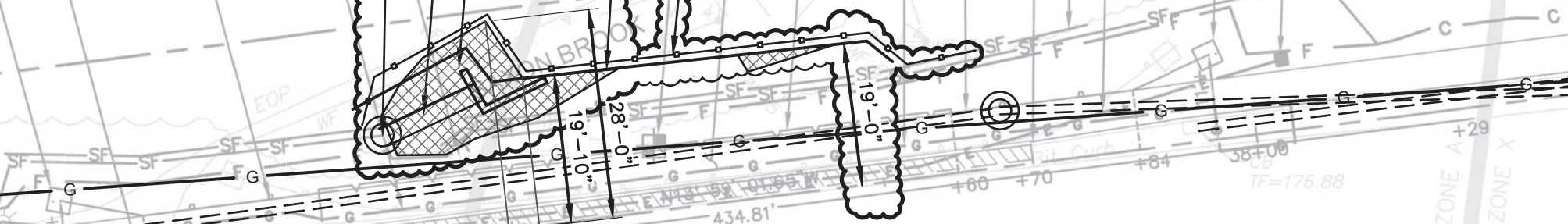
CONCRETE HANDHOLE

Tax ID: 104-403-015
N/P
River Bend Associates, Inc.
Bk. 472 Pg. 331
#1503 Hopmeadow Street

ZONE X

APPRO

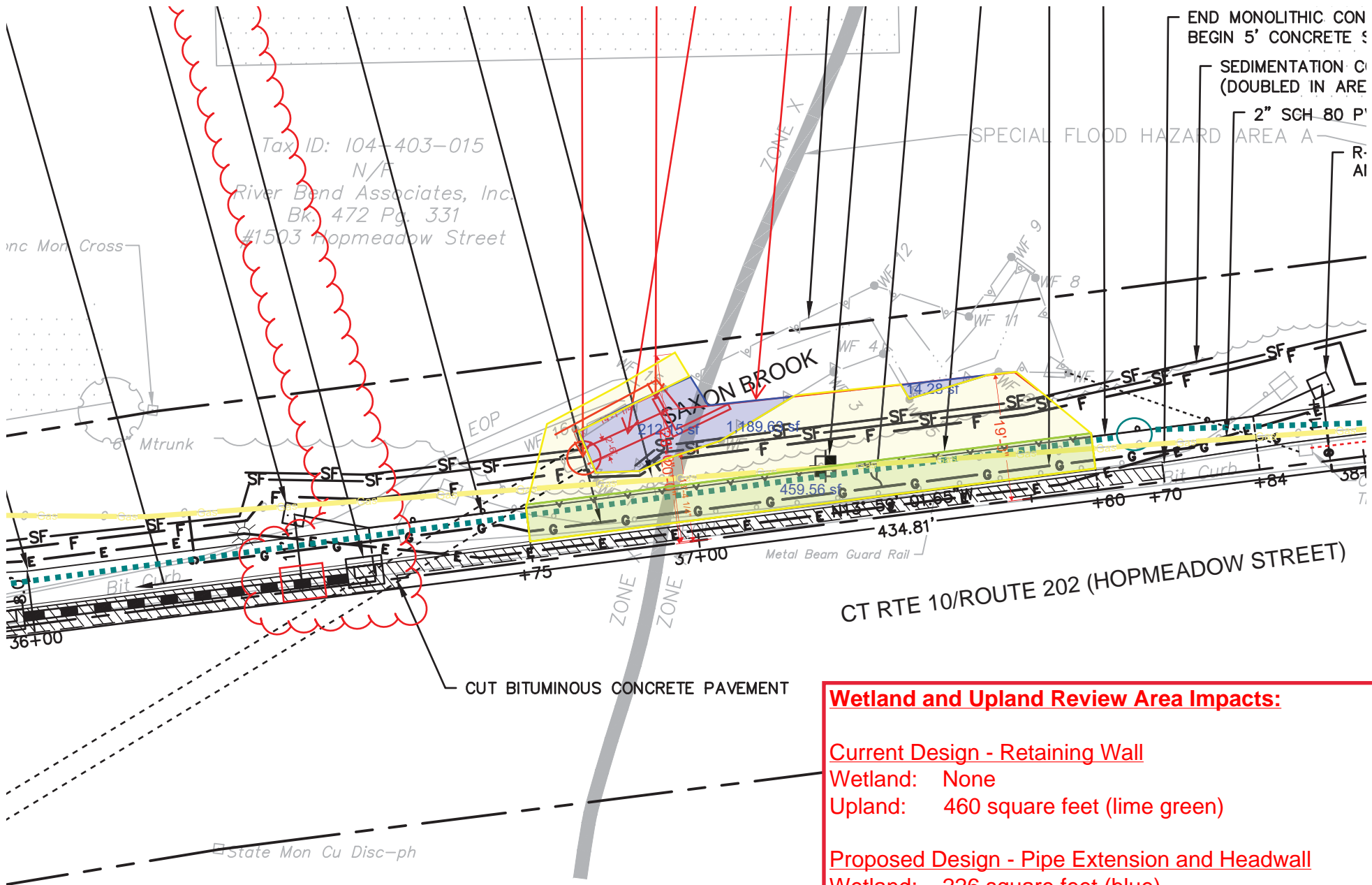
ZONE X
5'



CT RTE 10/ROUTE 202 (HOPMEADOW STREET)

CUT BITUMINOUS CONCRETE PAVEMENT

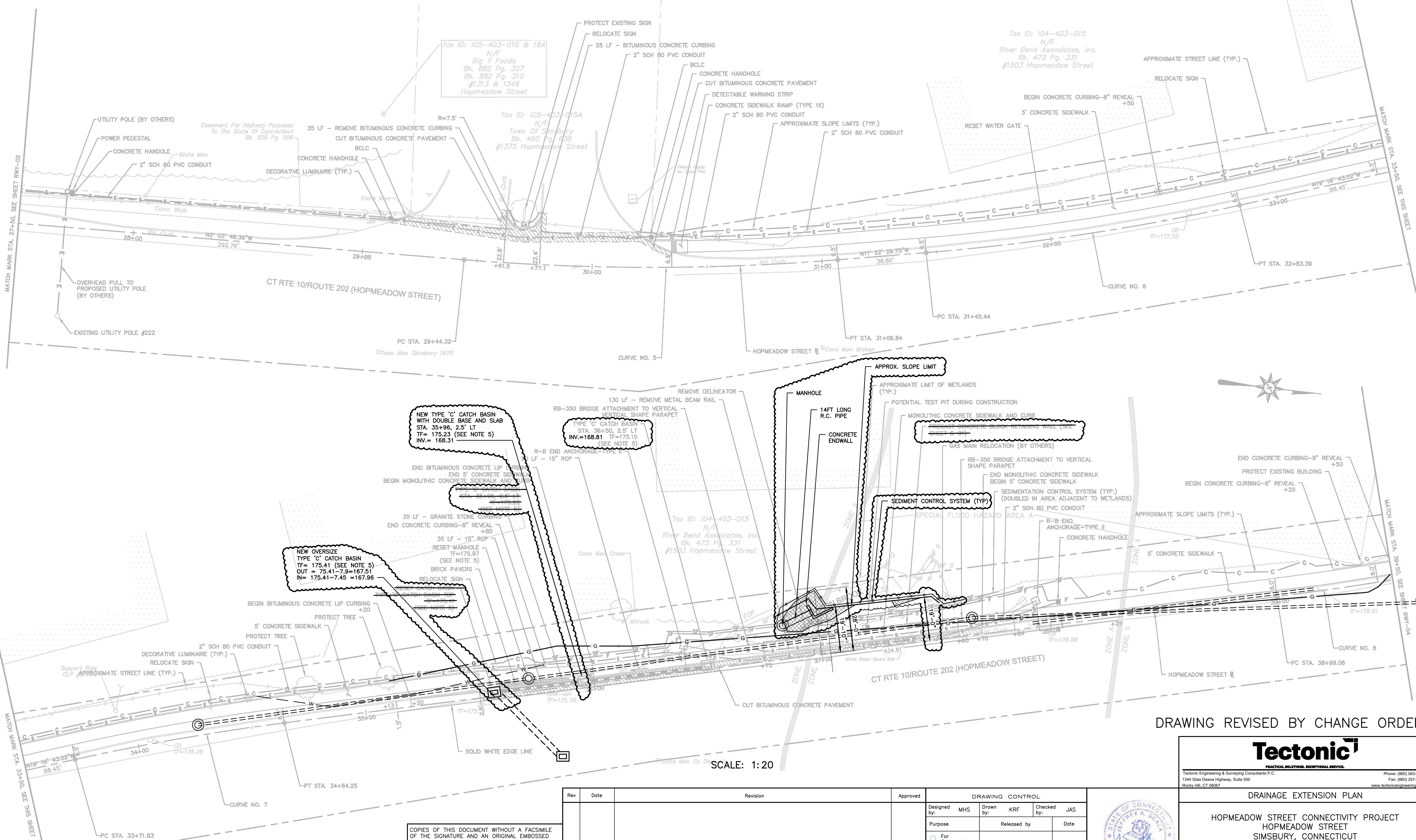
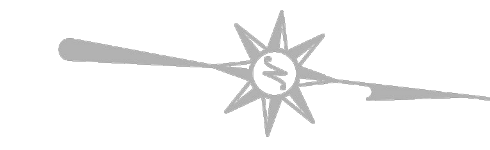
Proposed Design Plan
Culvert Extension



Wetland and Upland Review Area Impacts:

Current Design - Retaining Wall
 Wetland: None
 Upland: 460 square feet (lime green)

Proposed Design - Pipe Extension and Headwall
 Wetland: 226 square feet (blue)
 Upland: 1,190 square feet (yellow)



DRAWING REVISED BY CHANGE ORDER

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 Fax: (860) 267-4882
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DRAINAGE EXTENSION PLAN

HOPMEADOW STREET CONNECTIVITY PROJECT
 HOPMEADOW STREET
 SIMSBURY, CONNECTICUT

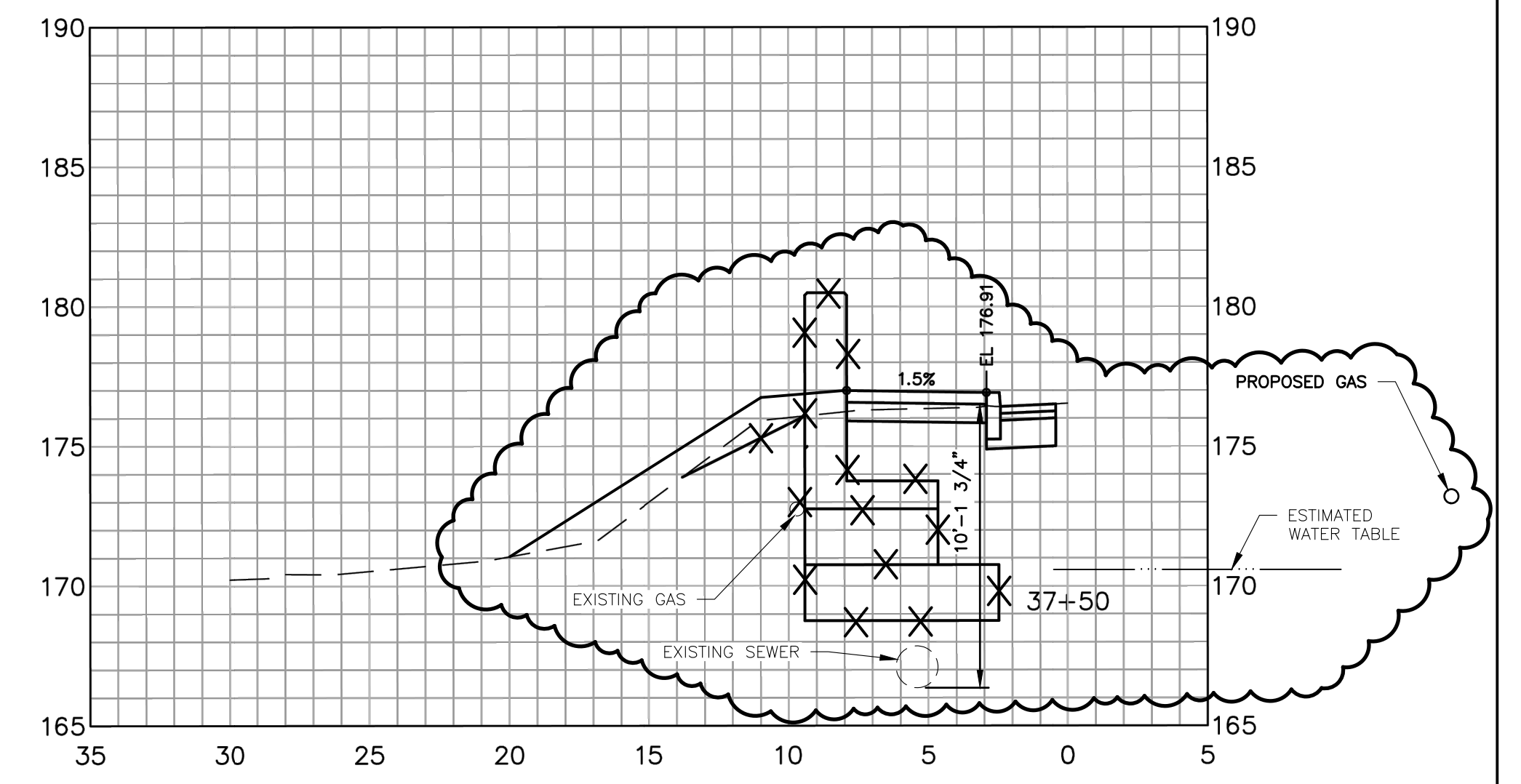
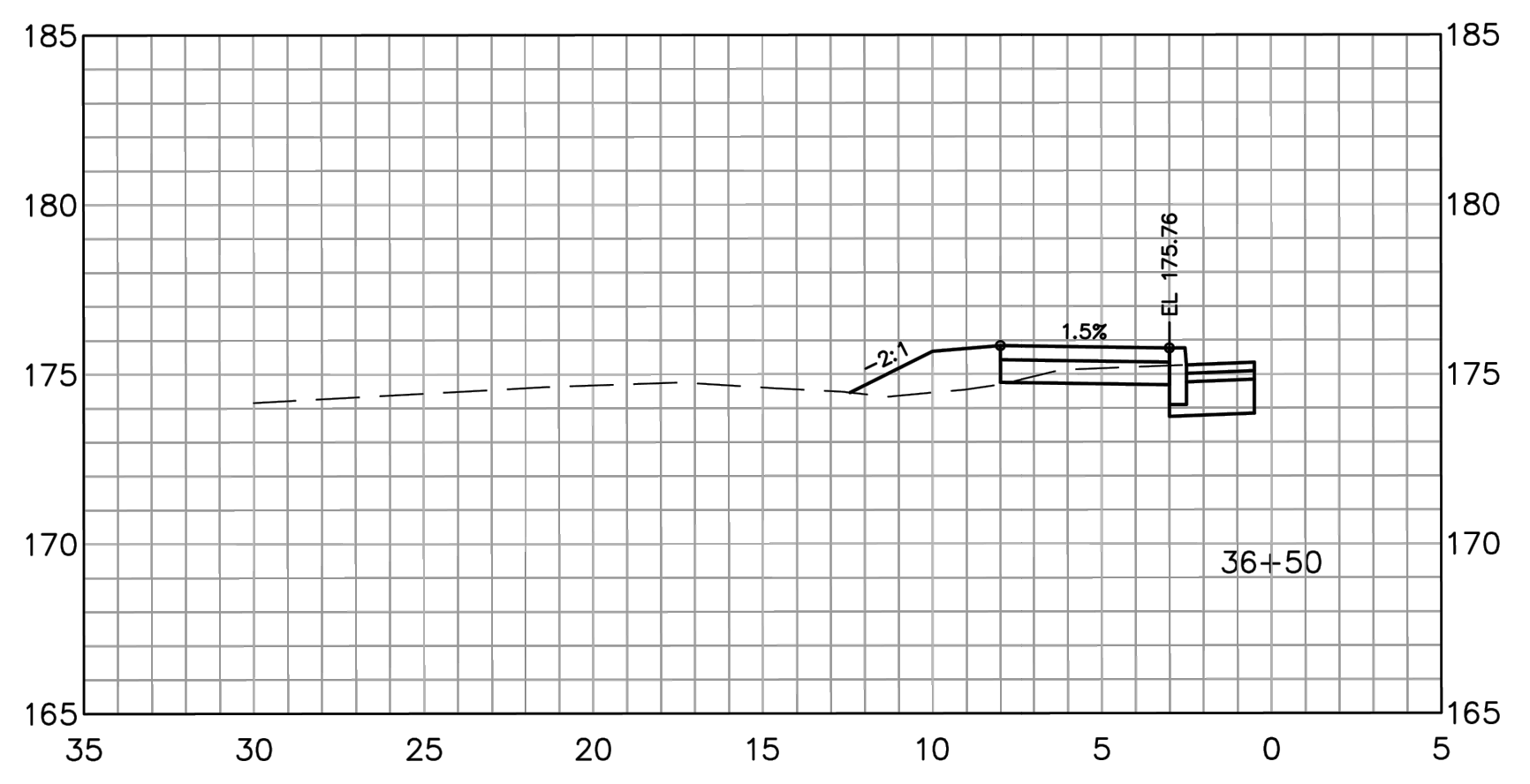
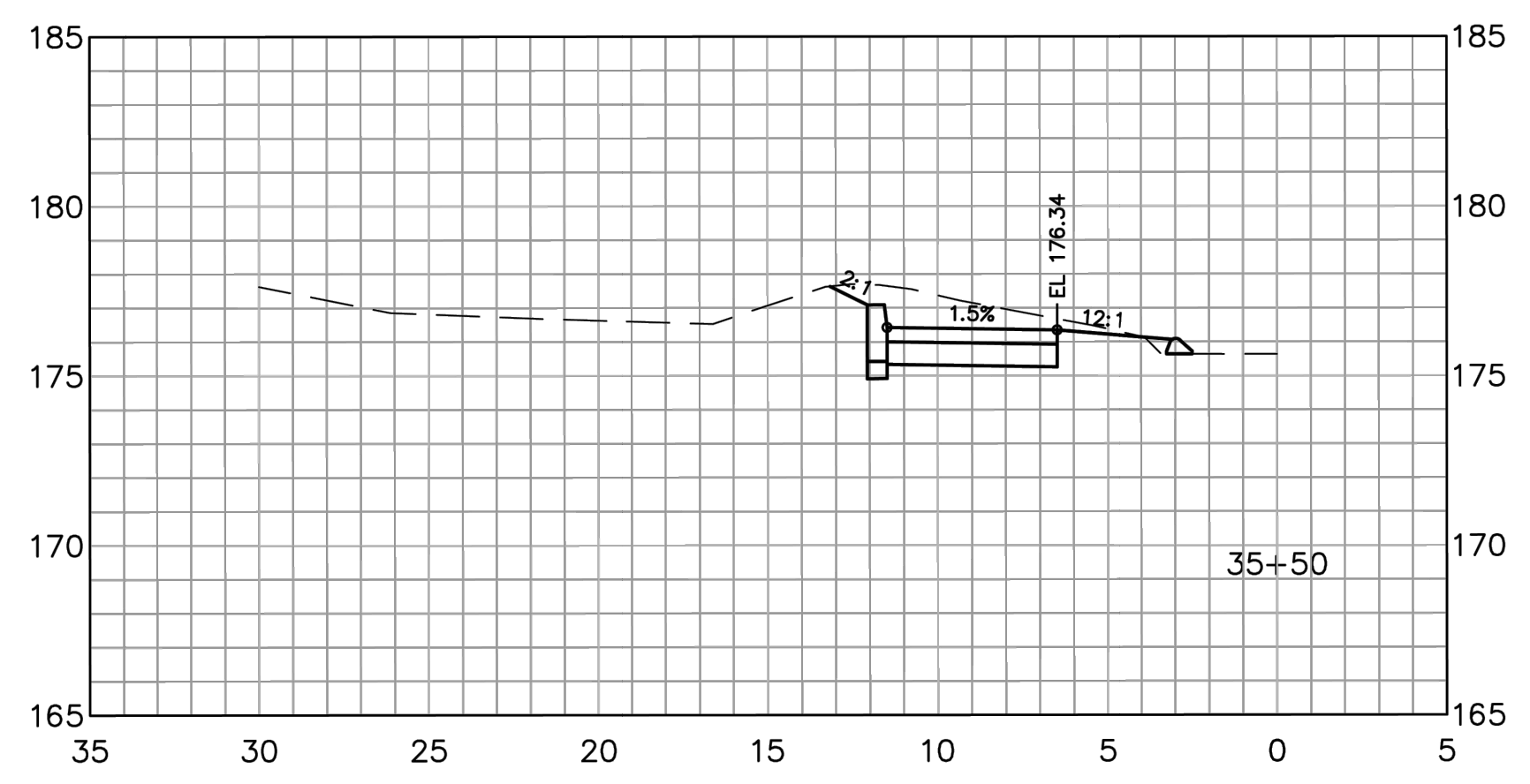
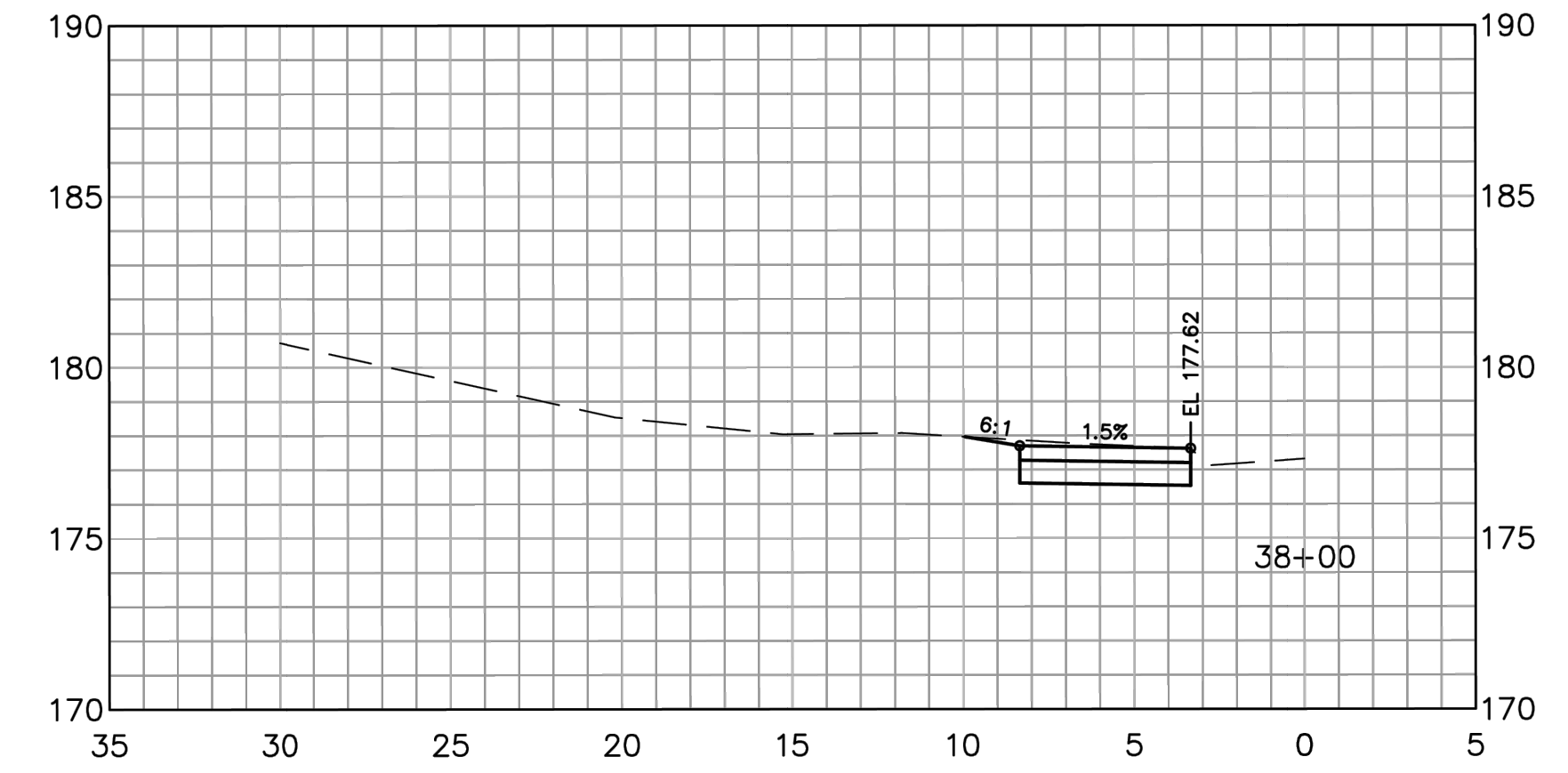
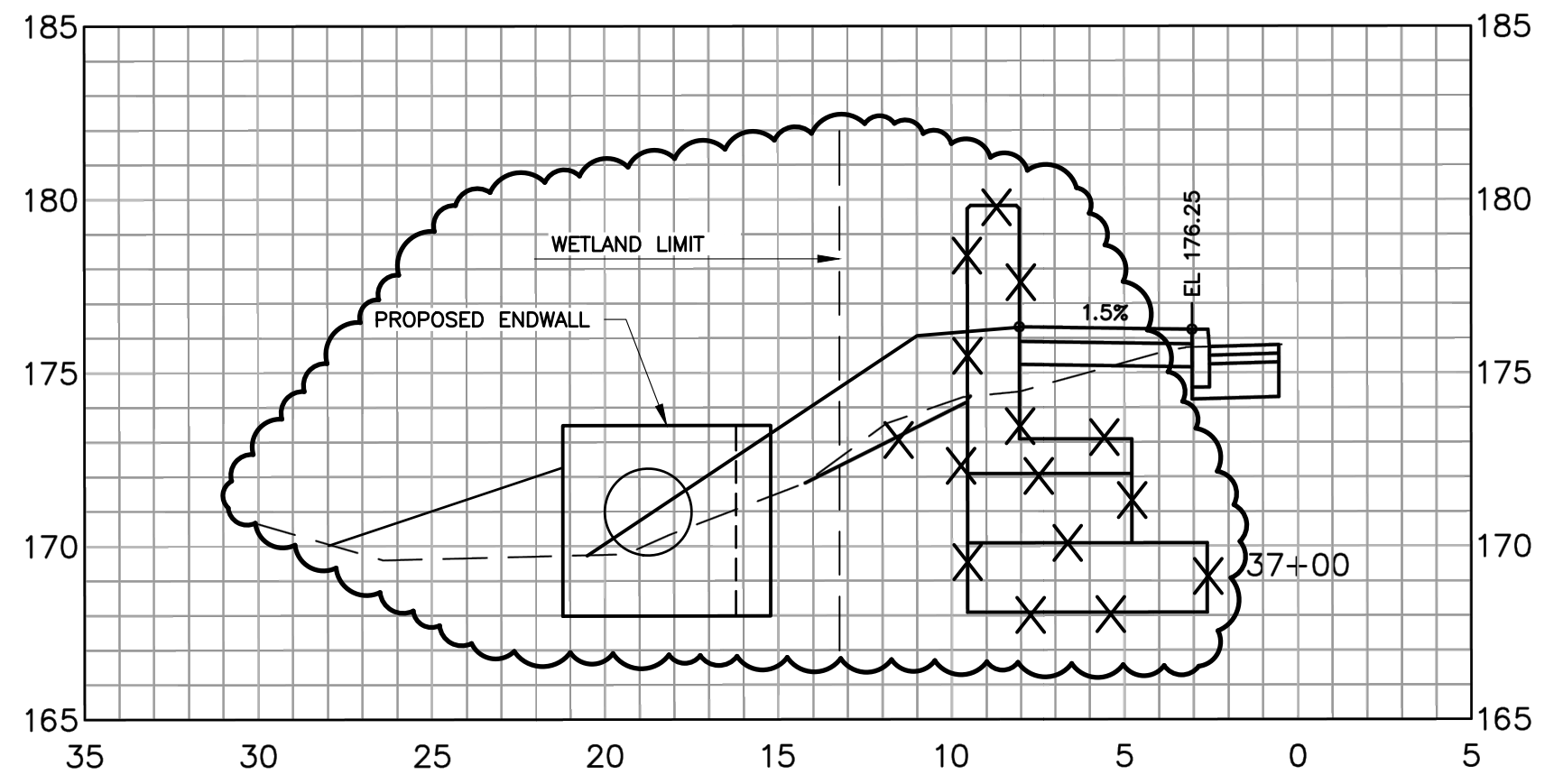
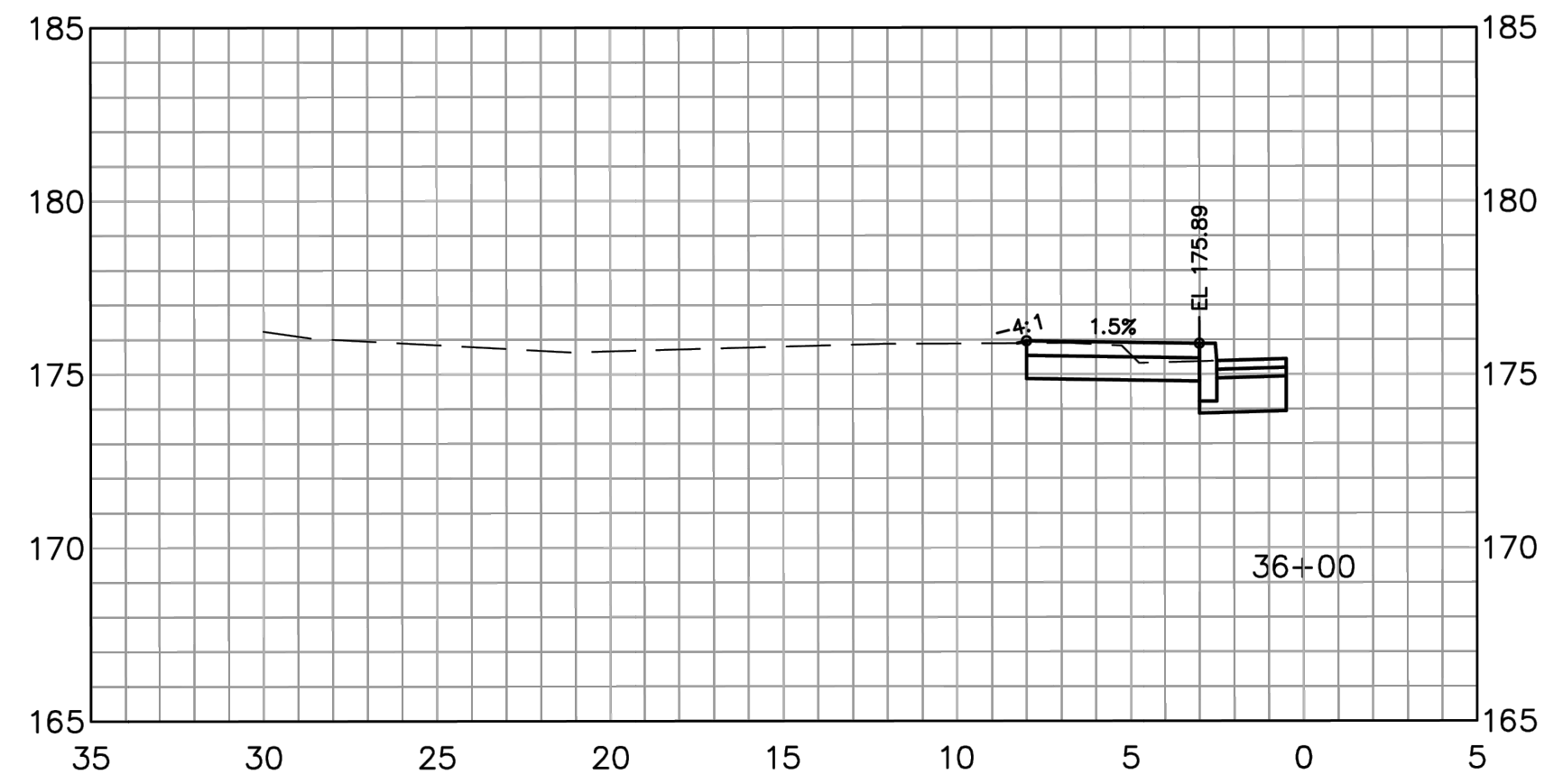
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Scale	1:20						

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				<input type="radio"/> For Approval			
				<input type="radio"/> For Bid			
				<input type="radio"/> For Construction			

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SCALE: 1:5

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 Rocky Hill, CT 06067
 Phone: (860) 257-2341
 Fax: (860) 257-4882
 www.tectoniceengineering.com

ROADWAY CROSS SECTIONS			
HOPMEADOW STREET CONNECTIVITY PROJECT HOPMEADOW STREET SIMSBURY, CONNECTICUT			
Date	Work Order	Drawing No.	Rev
1-18-24	11962.01	XSC-03 CO	
Scale			
1:5			

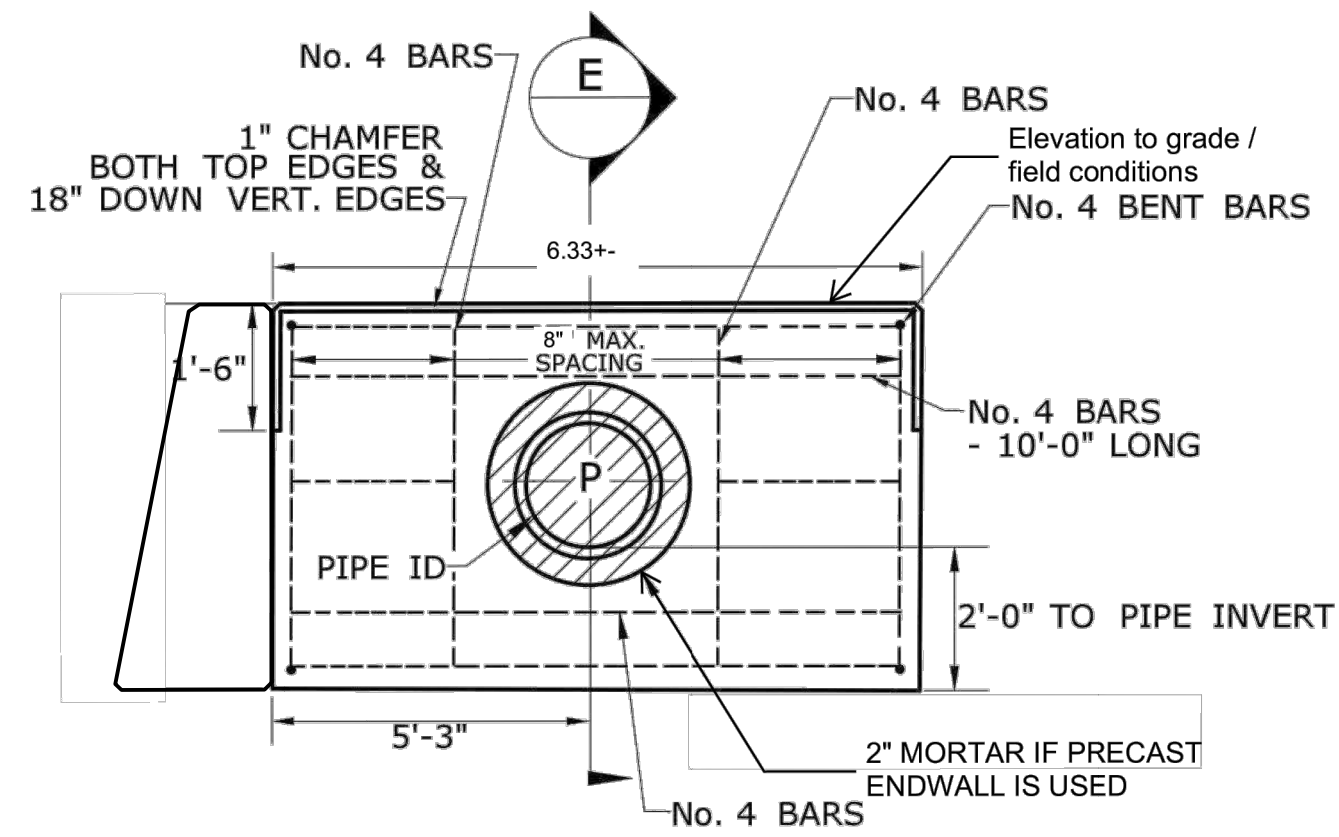


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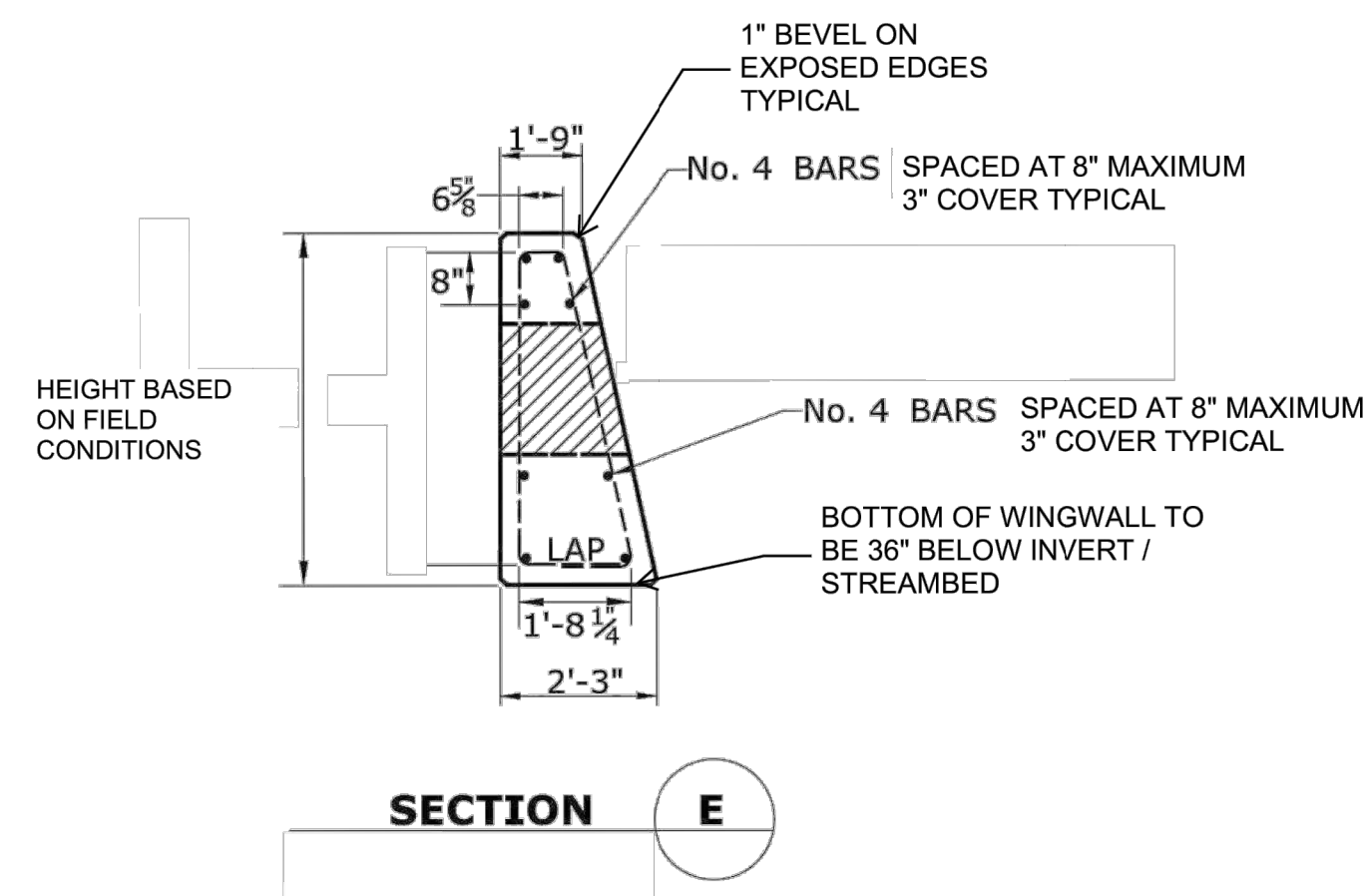
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FRONT ELEVATION



SECTION E

NOTES:

1. CONTRACTOR SHALL DEMO THE EXISTING ENDWALL ON THE WEST AND SOUTH SIDES ONLY. THE NORTH WALL SHALL REMAIN IN PLACE.
2. ENDWALL SHALL BE CONSTRUCTED AS SHOWN IN THE SAME LOCATION AS EXISTING TO THE CROSS SECTIONS DIMENSIONS SHOWN ABOVE.
3. ENDWALL SHALL CONFORM TO FORM 818 SECTION 5.06
4. DETAILS ABOVE MAY BE MODIFIED TO ACCOMODATE FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.

SCALE: N.T.S.

NEW DRAWING ADDED BY CHANGE ORDER

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ENDWALL DETAILS			
HOPMEADOW STREET CONNECTIVITY PROJECT HOPMEADOW STREET SIMSBURY, CONNECTICUT			
Date	Work Order	Drawing No.	Rev
1-18-24	11962.01	DET-03 CO	
Scale	N.T.S.		



Rev	Date	Revision	Approved	DRAWING CONTROL			
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