



# 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.

|                           |             |  |             |
|---------------------------|-------------|--|-------------|
| _____                     | _____       |  | 2/9/2024    |
| <i>Signature of Owner</i> | <i>Date</i> | <i>Signature and Title of Applicant</i>  | <i>Date</i> |

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

[www.simsbury-ct.gov](http://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

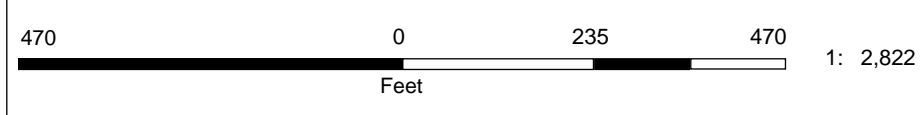
# GIS Wetland Map



- ### 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\_Wetlands\_Ponds\_Arcs
  - CT\_Simsbury.DBO.ACAD\_Wetlands\_Ponds\_Poly
  - CT\_Simsbury.DBO.ACAD\_SOIL\_Wetlands\_Agenc
  - CT\_Simsbury.DBO.ACAD\_SOIL\_Wetlands\_Agenc
  - CT\_Simsbury.DBO.ACAD\_Wetlands\_Ponds\_Poly
  - CT\_Simsbury.DBO.ACAD\_Wetlands\_RiversStrear



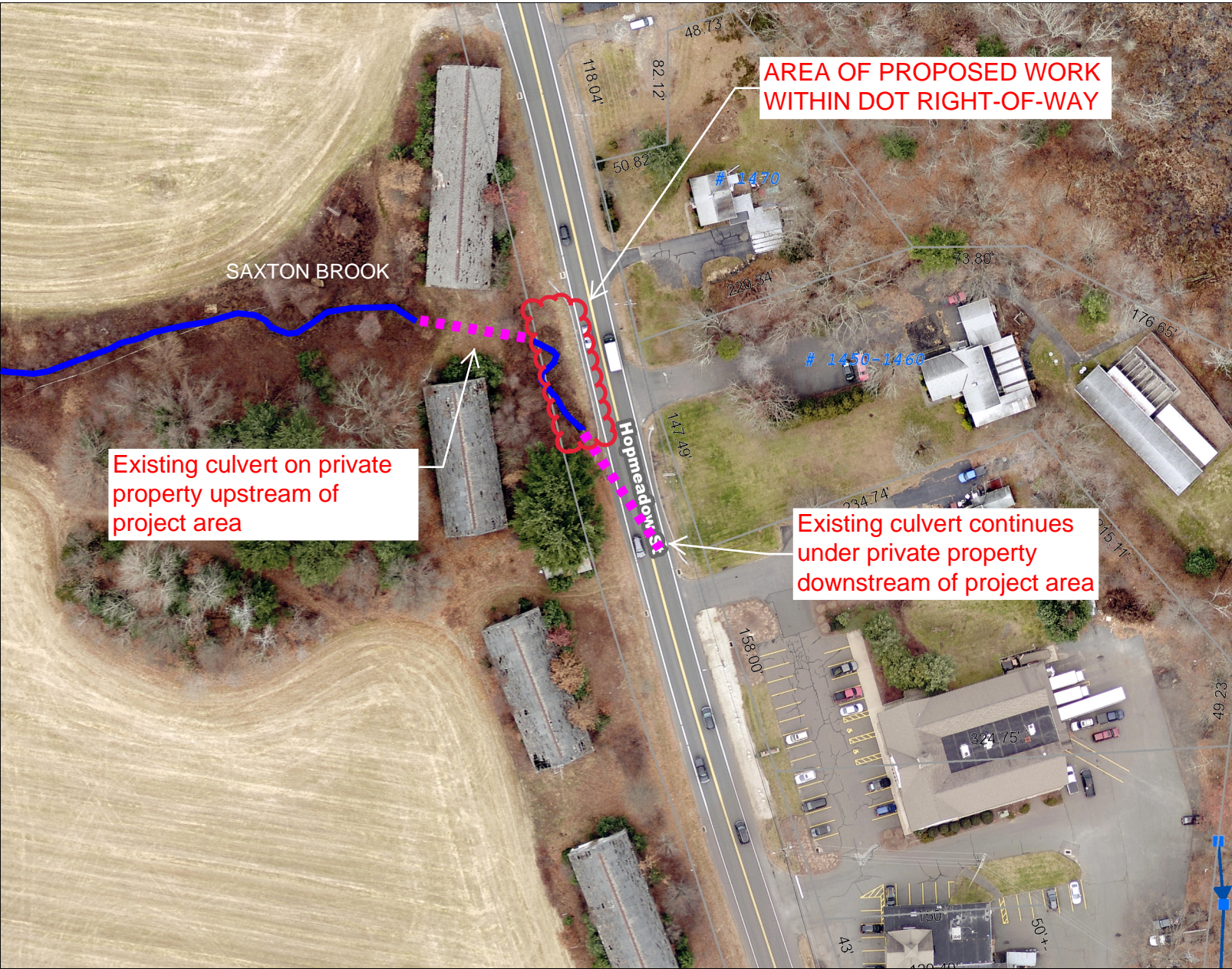
### Notes



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# Town of Simsbury, CT

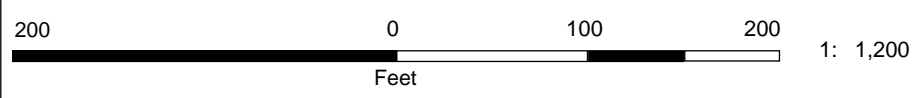


### Legend

- 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

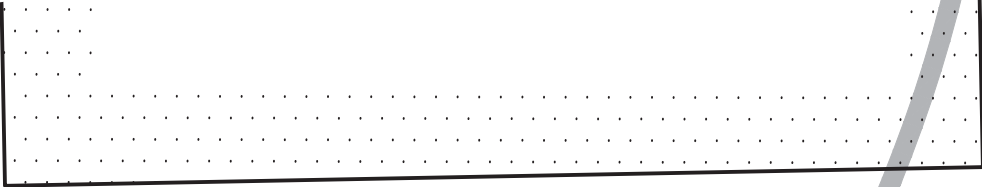


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Tax ID: 104-403-015  
 N/F  
 River Bend Associates, Inc.  
 Bk. 472 Pg. 331  
 #1503 Hopmeadow Street

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

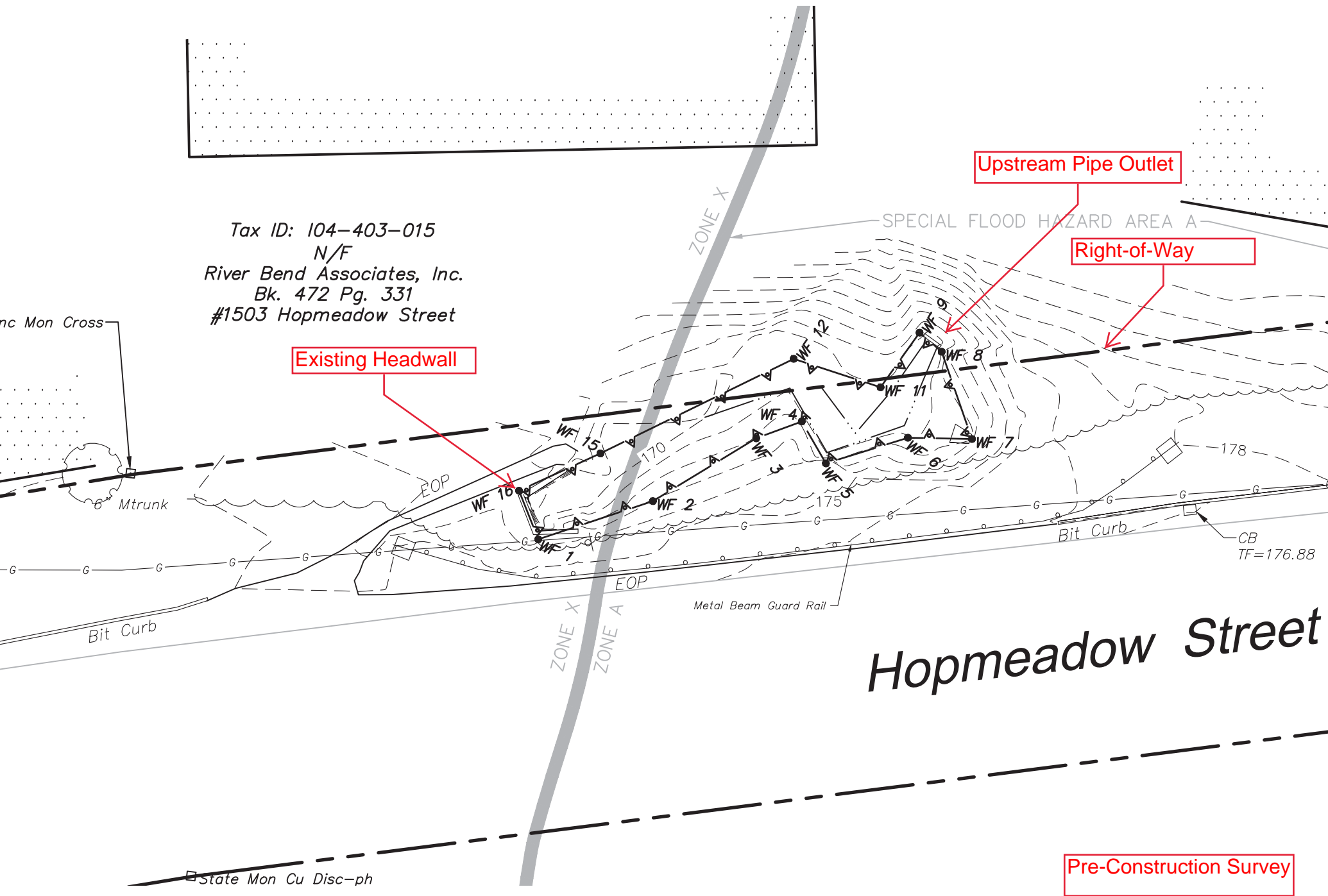
Bit Curb

ZONE X  
ZONE A

Hopmeadow Street

State Mon Cu Disc-ph

Pre-Construction Survey



LPT STA. 31+06.84

HOPMEADOW STREET

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/F  
River Bend Associates, Inc.  
Bk. 472 Pg. 331  
#1503 Hopmeadow Street

REMOVE DELINEATOR  
MOVE METAL BEAM RAIL  
VERTICAL PARAPET

MANHOLE  
14FT LONG R.C. PIPE  
CONCRETE ENDWALL

ZONE X

APPRO

ZONE X

5'

ZONE X

5'

ZONE X

5'

ZONE X

5'

ZONE X

5'

ZONE X

5'

ZONE X

5'

CT RTE 10/ROUTE 202 (HOPMEADOW STREET)

Proposed Design Plan  
Culvert Extension

CUT BITUMINOUS CONCRETE PAVEMENT

434.81'

+75

37+00

434.81'

519'-0"

19'-10"

28'-0"

+60 +70

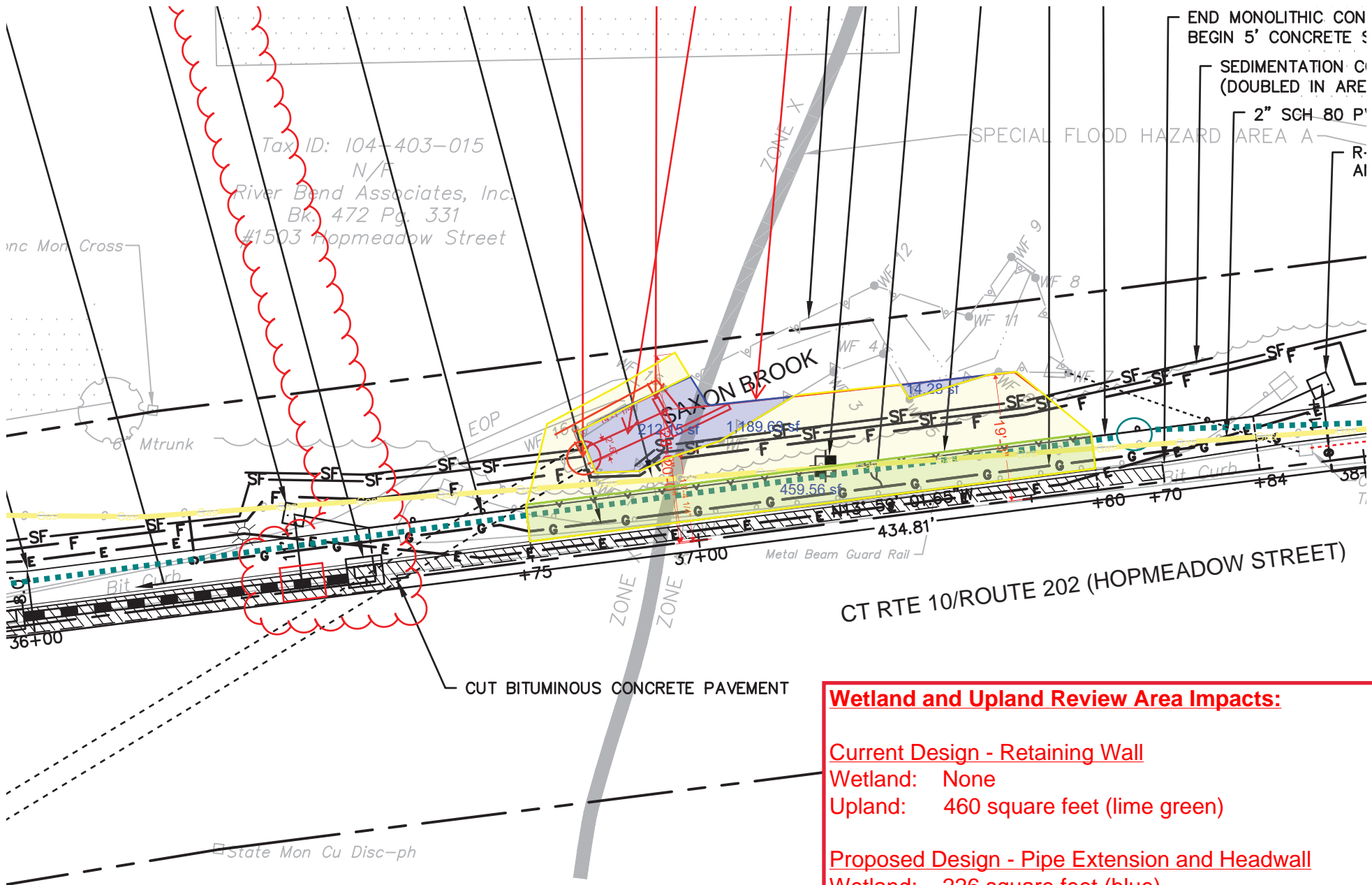
+84

58+00

TF=176.88

+29

Metal Beam Guard Rail

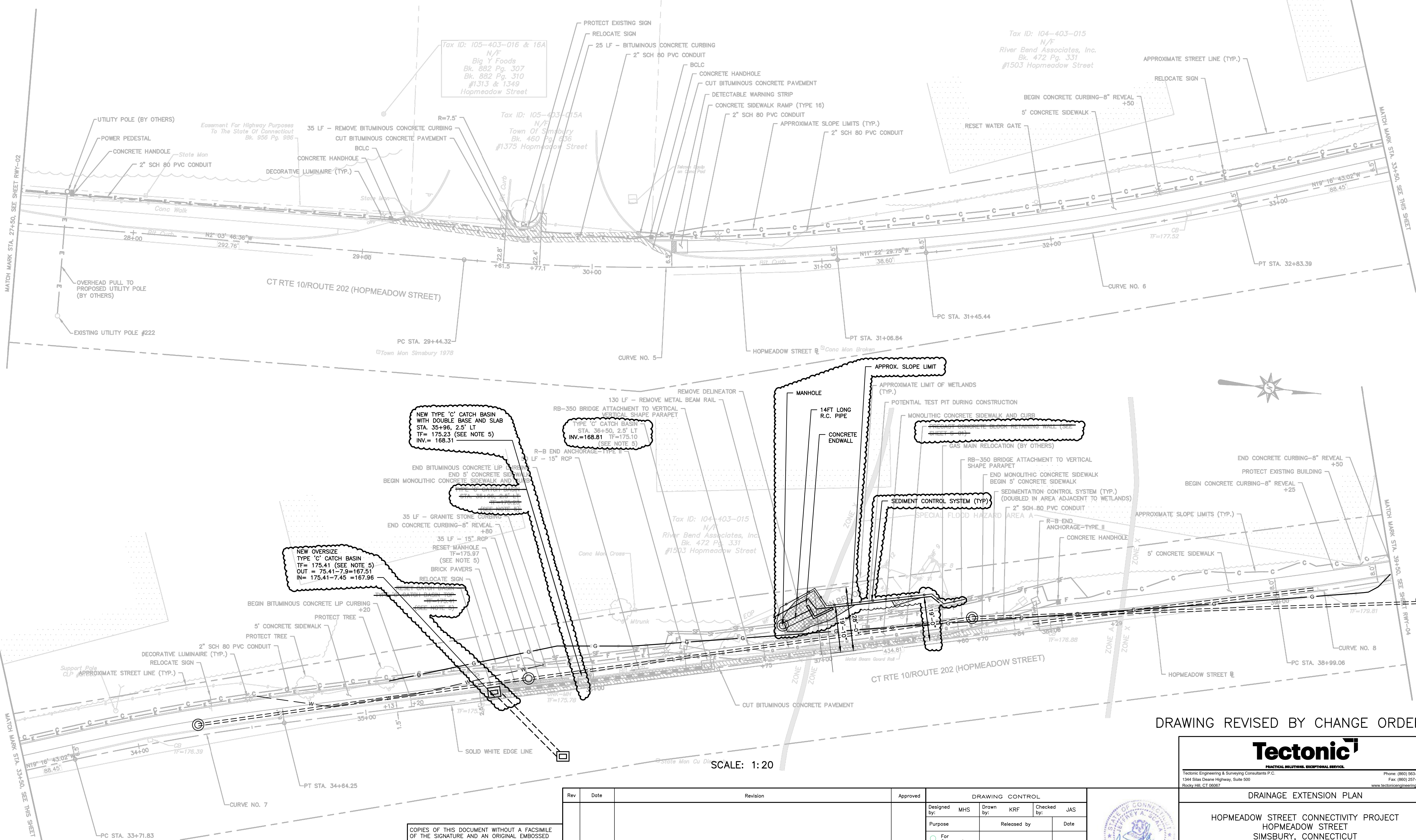
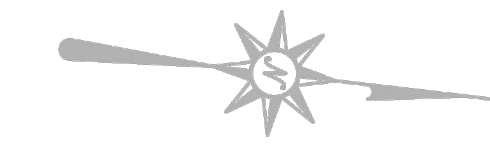


**Wetland and Upland Review Area Impacts:**

**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)





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

Tax ID: 105-403-016 & 16A  
N/F  
Big Y Foods  
Bk. 882 Pg. 307  
Bk. 882 Pg. 310  
#1313 & 1349  
Hopmeadow Street

Tax ID: 105-403-015A  
N/F  
Town Of Simsbury  
Bk. 460 Pg. 836  
#1375 Hopmeadow Street

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

NEW TYPE 'C' CATCH BASIN  
WITH DOUBLE BASE AND SLAB  
STA. 35+96, 2.5' LT  
TF= 175.23 (SEE NOTE 5)  
INV.= 168.31

TYPE 'C' CATCH BASIN  
STA. 38+50, 2.5' LT  
INV.=168.81 TF=175.10  
(SEE NOTE 5)

NEW OVERSIZE  
TYPE 'C' CATCH BASIN  
TF= 175.41 (SEE NOTE 5)  
OUT = 75.41-7.9=167.51  
IN= 175.41-7.45 =167.96

DRAWING REVISED BY CHANGE ORDER

SCALE: 1:20

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| Rev | Date | Revision | Approved | DRAWING CONTROL                        |               |                 |  |
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|     |      |          |          | Designed by: MHS                       | Drawn by: KRF | Checked by: JAS |  |
|     |      |          |          | Purpose:                               | Released by:  | Date:           |  |
|     |      |          |          | <input type="radio"/> For Comment      |               |                 |  |
|     |      |          |          | <input type="radio"/> For Approval     |               |                 |  |
|     |      |          |          | <input type="radio"/> For Bid          |               |                 |  |
|     |      |          |          | <input type="radio"/> For Construction |               |                 |  |



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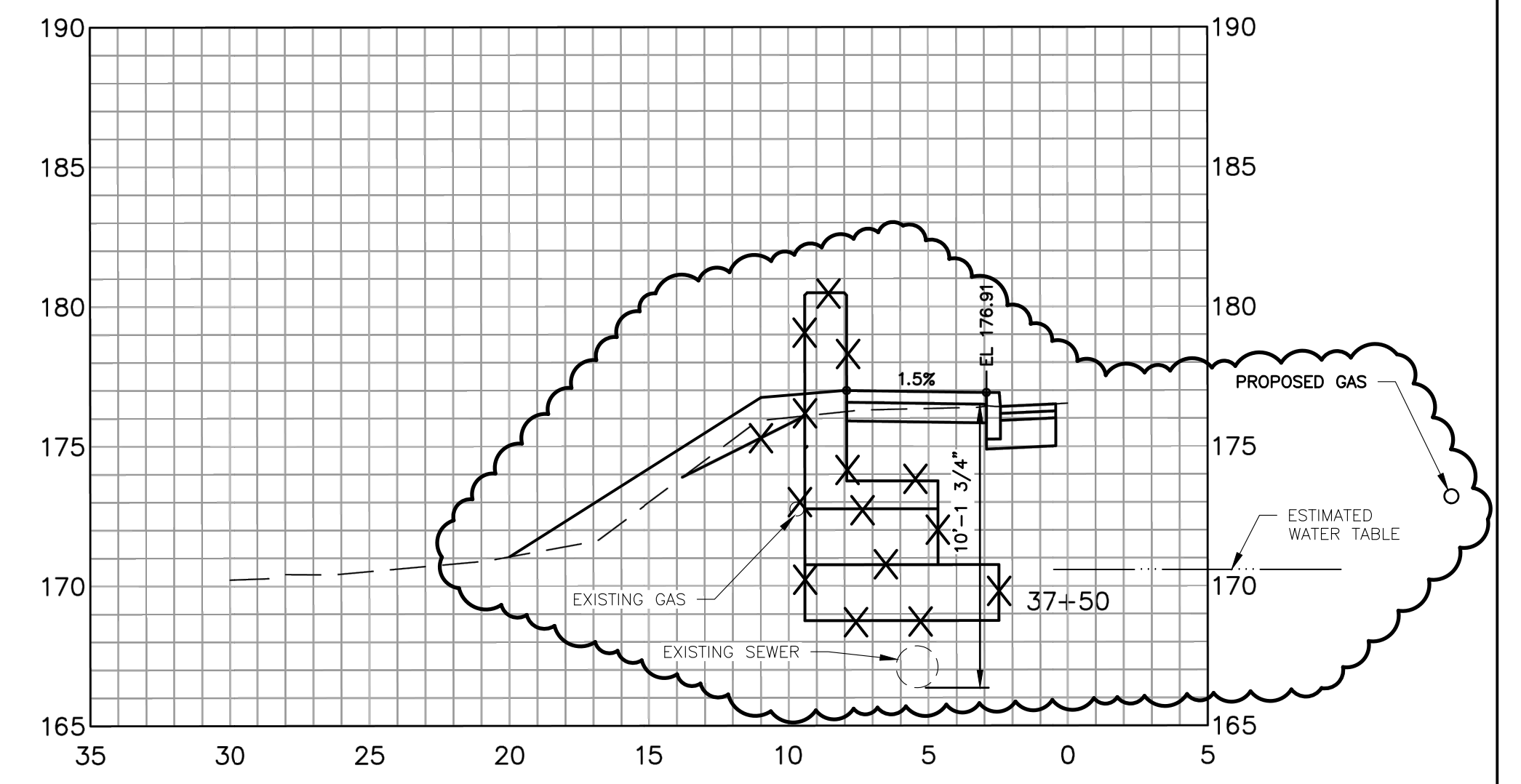
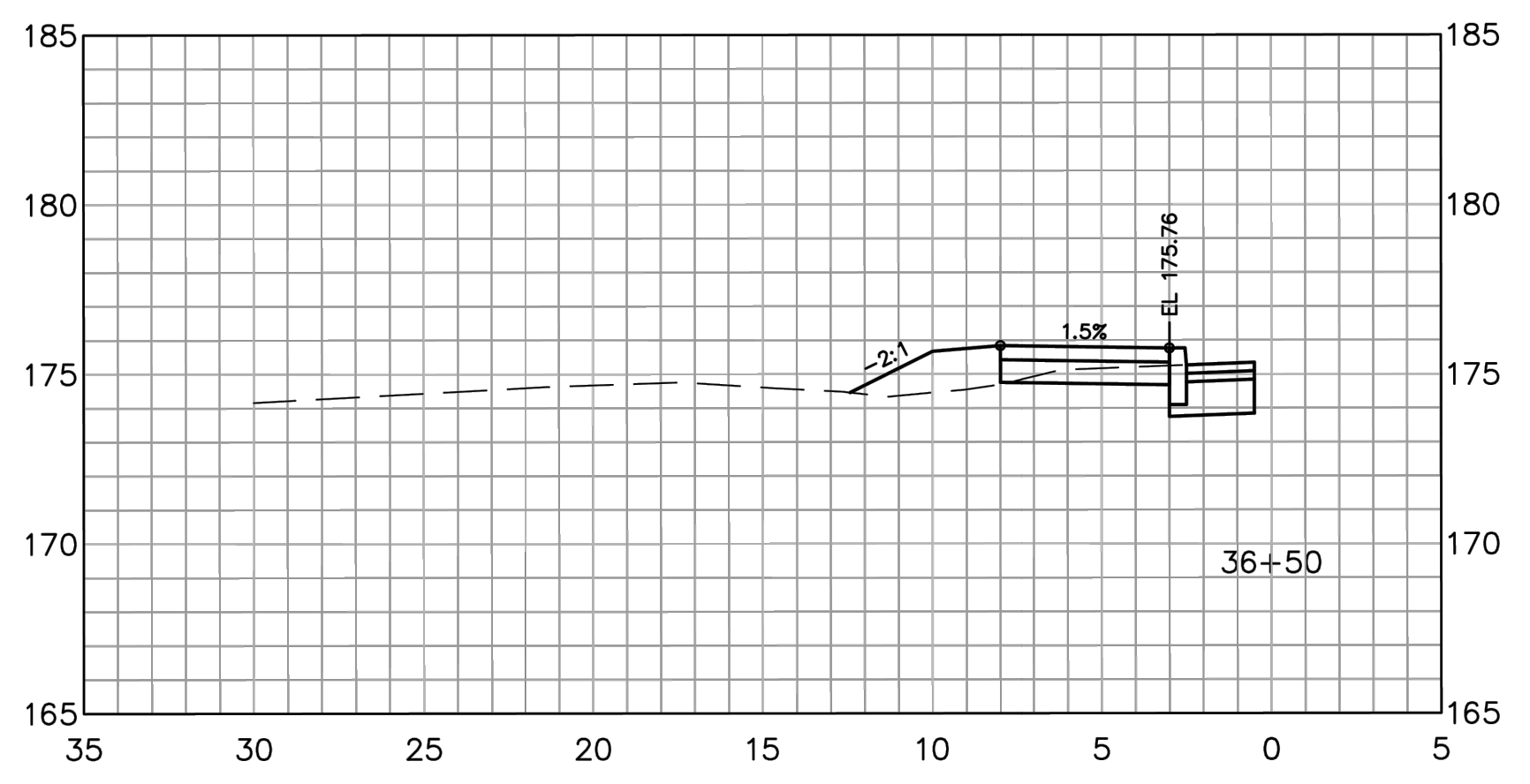
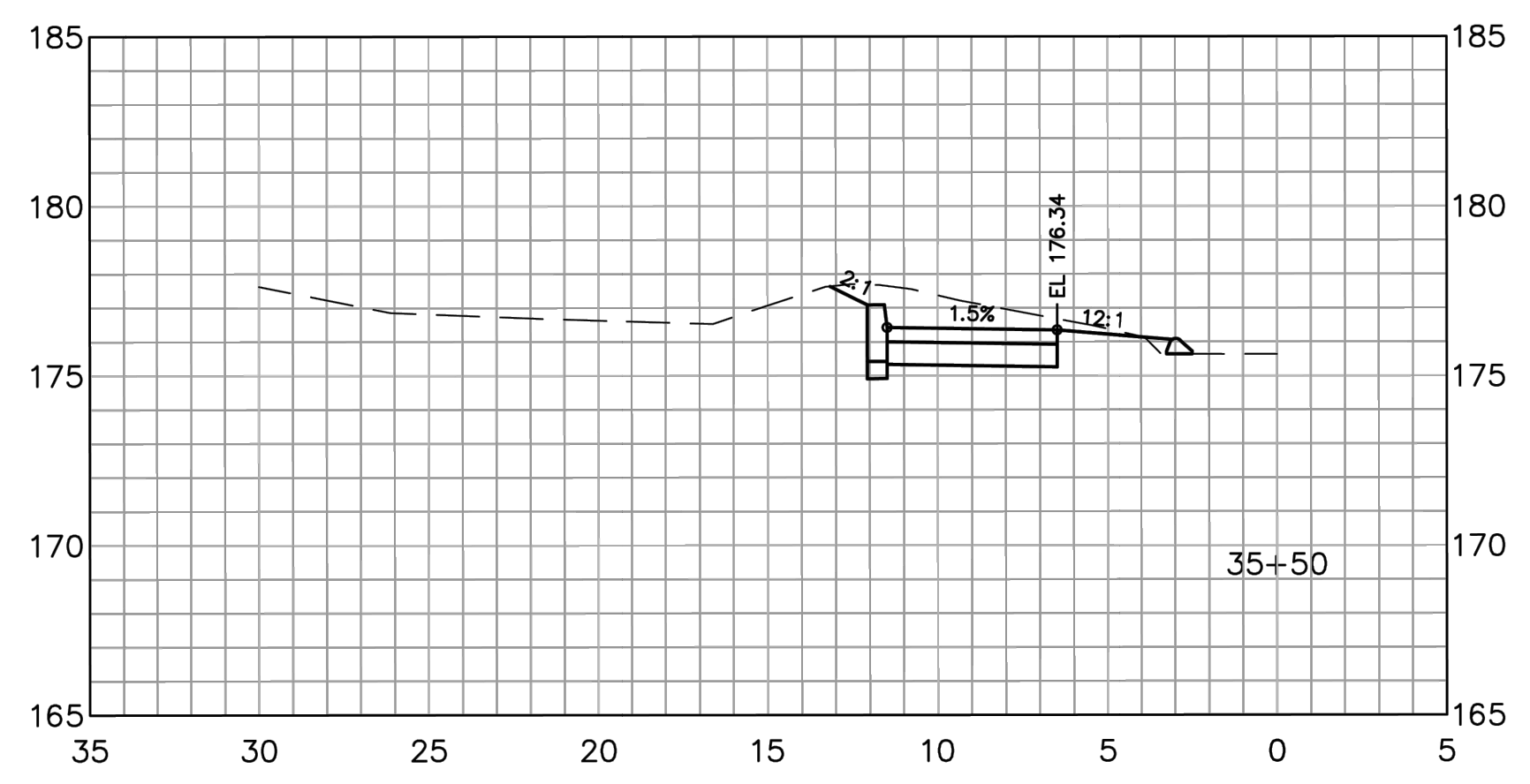
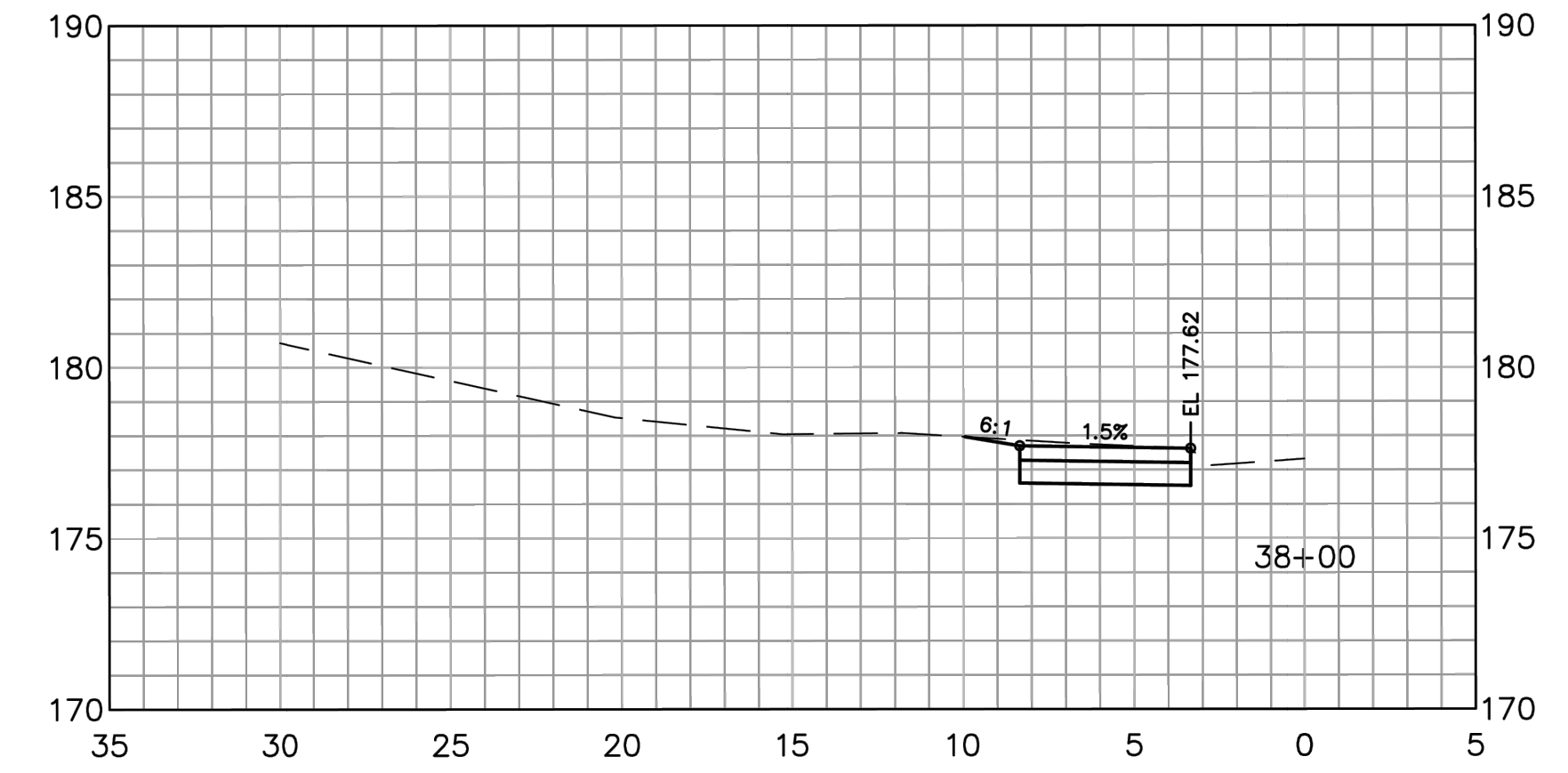
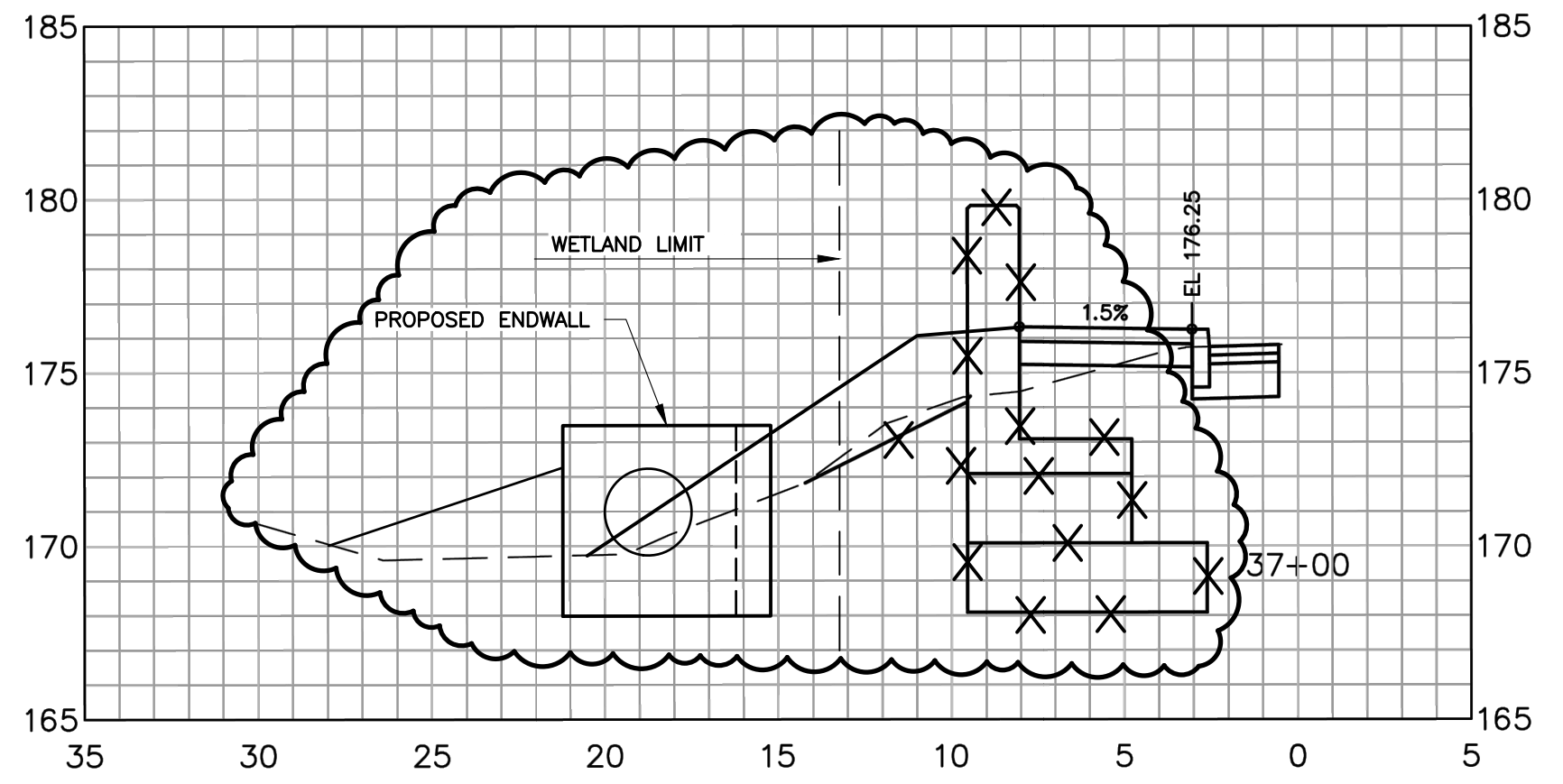
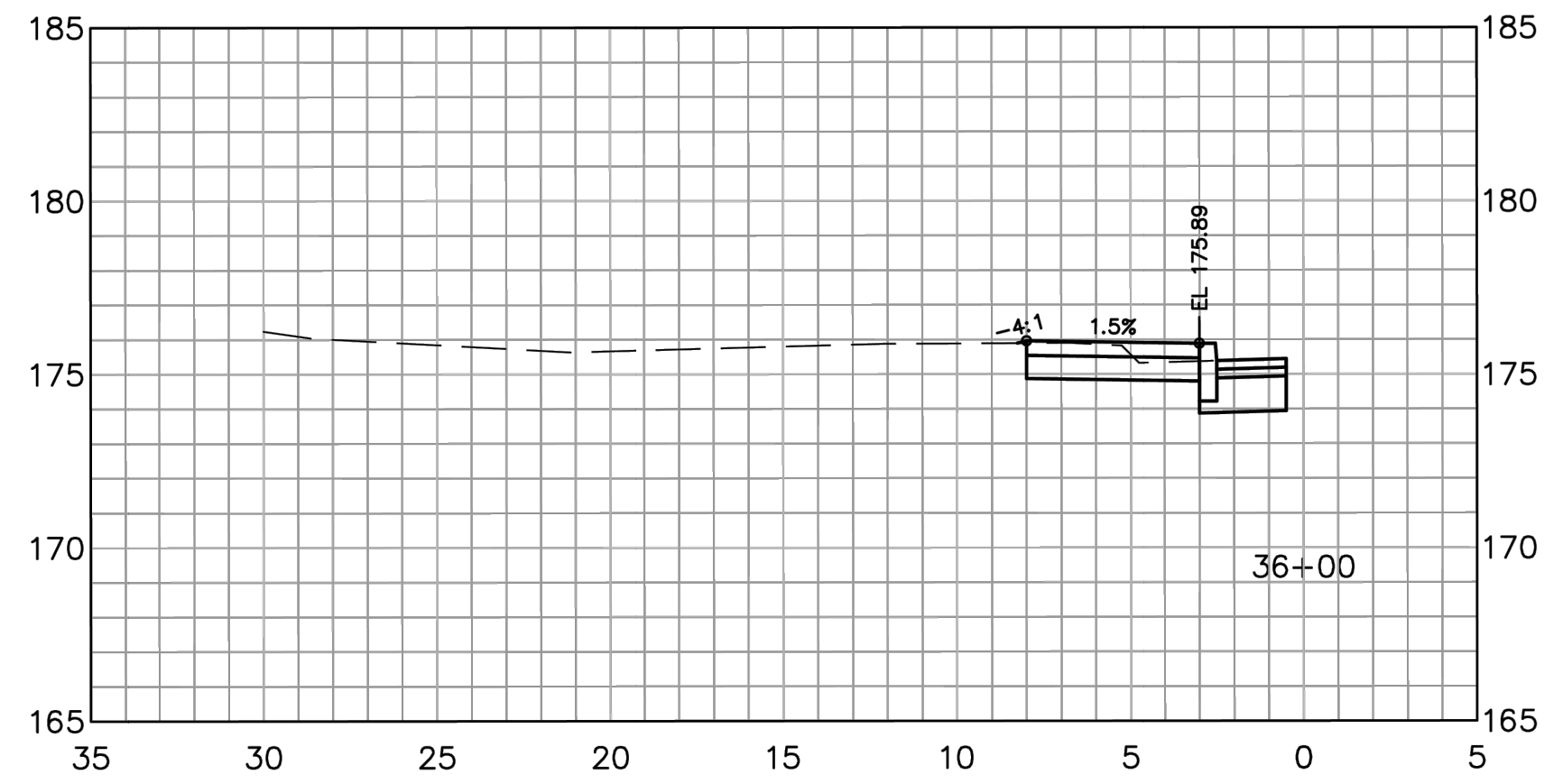
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1344 Silas Deane Highway, Suite 500  
Rocky Hill, CT 06067  
Phone: (860) 263-2341  
Fax: (860) 267-4882  
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**DRAINAGE EXTENSION PLAN**

**HOPMEADOW STREET CONNECTIVITY PROJECT  
HOPMEADOW STREET  
SIMSBURY, CONNECTICUT**

|               |                      |                        |      |
|---------------|----------------------|------------------------|------|
| Date: 1-18-24 | Work Order: 11962.01 | Drawing No.: RWY-03 CO | Rev: |
| Scale: 1:20   |                      |                        |      |





SCALE: 1:5

DRAWING REVISED BY CHANGE ORDER

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

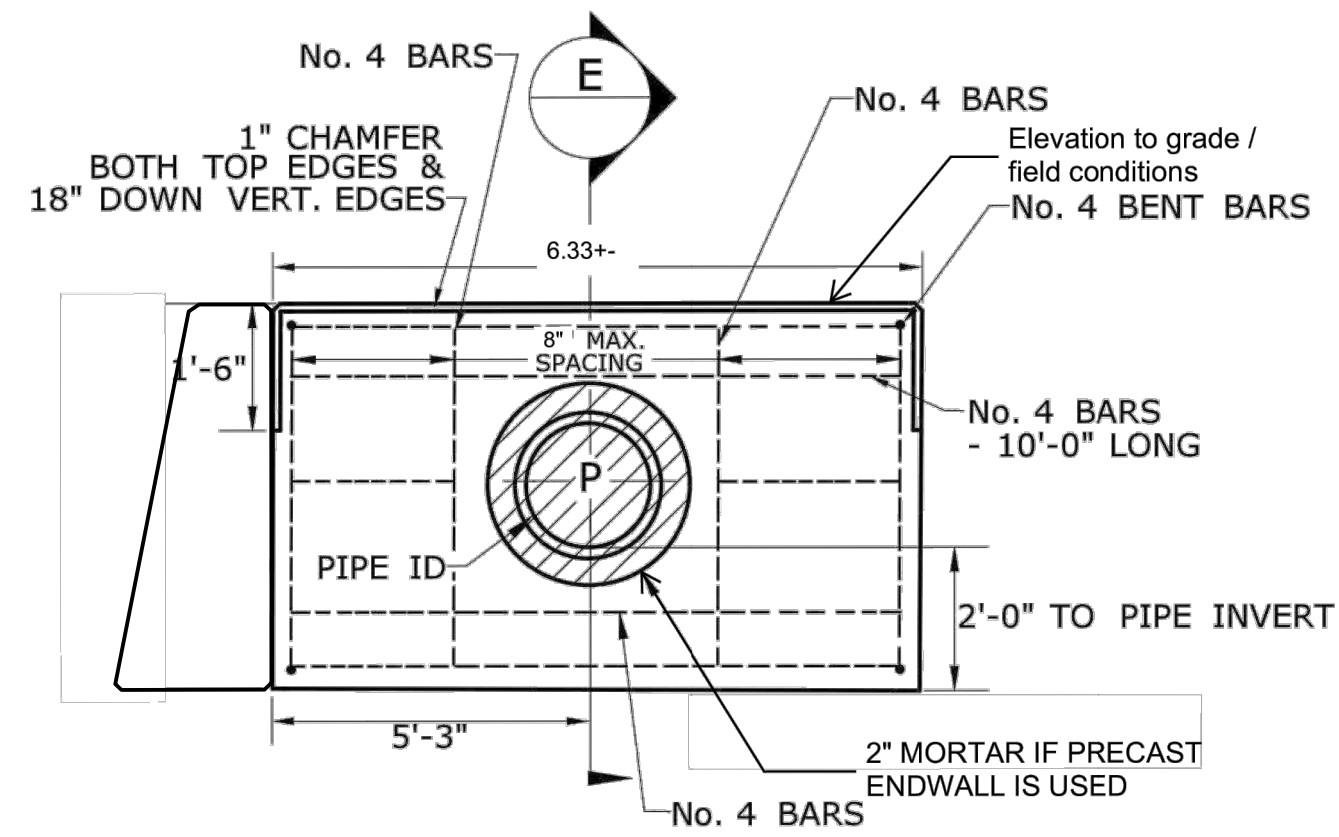
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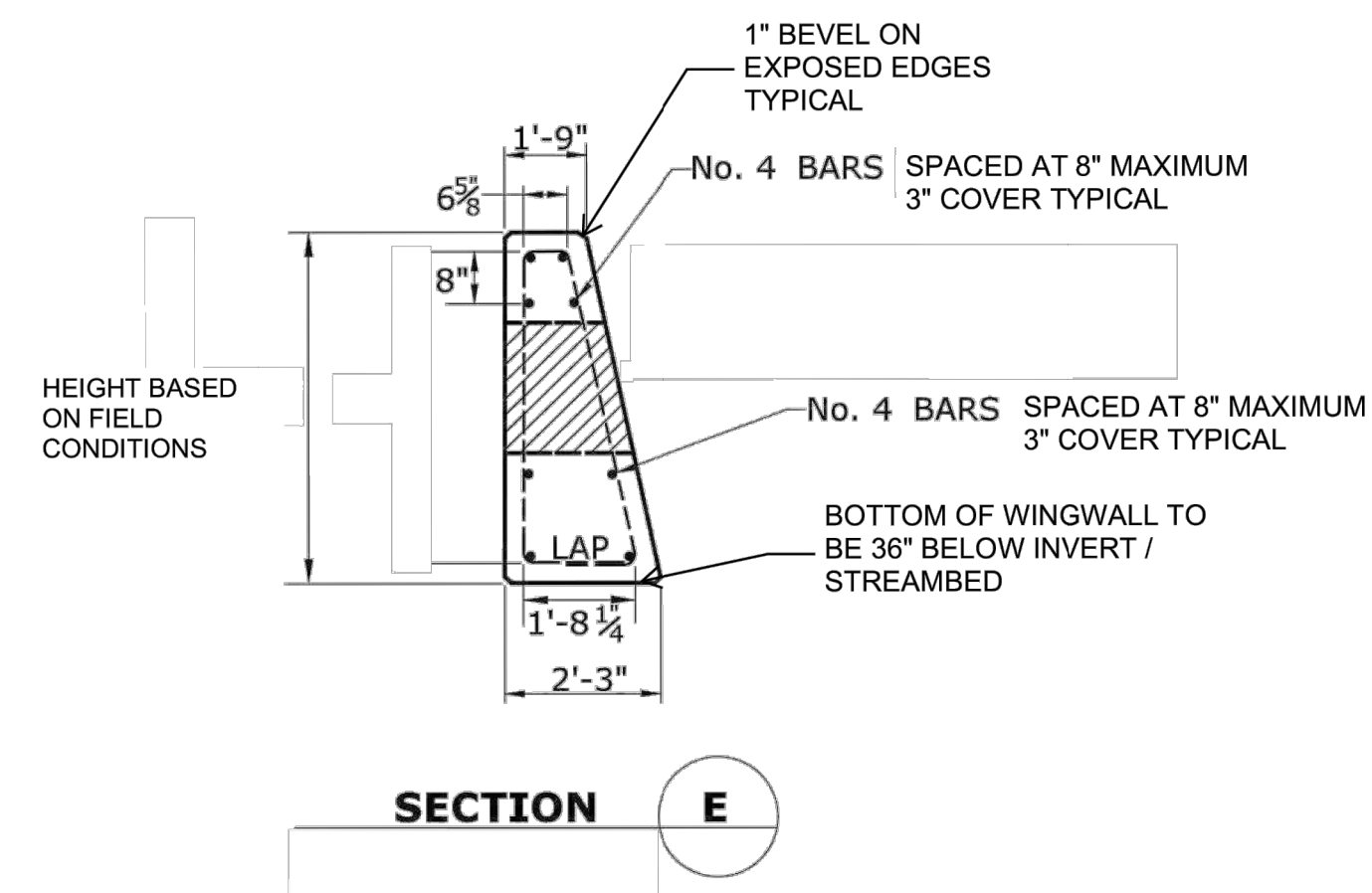
ORIGINAL SIZE IN INCHES

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|     |      |          |          | Purpose:           | Released by:  | Date:           |  |
|     |      |          |          | ○ For Comment      |               |                 |  |
|     |      |          |          | ○ For Approval     |               |                 |  |
|     |      |          |          | ○ For Bid          |               |                 |  |
|     |      |          |          | ○ For Construction |               |                 |  |





**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.  |            |             |     |



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