



TOWN OF PUTNAM

TOWN HALL
200 SCHOOL STREET
PUTNAM, CONNECTICUT 06260

Inland Wetland Commission Hybrid Meeting
September 9, 2026, 7:00 P.M.
Municipal Complex Room 201
Second Floor

Agenda:

Call to Order & Roll Call:

Review minutes of the August 12, 2026, meeting. VOTE REQUIRED

Correspondence:

Public Participation:

New Business:

Application # 2026-07 Ryan Krohn - 204 Park Road, Installation of underground utilities

Application # 2026-08 Strategic Commercial Realty, Inc. - 28, 44, & 48 Technology Park Drive,
Gravel Removal

Application # 2026-09 Town of Putnam - Wicker Street, Bridge No. 115011; repair over Wheaton
Brook

Other Business:

Accepting new applications for the October 14, 2026, meeting:

Agent Updates:

Comments by Commissioners:

Adjournment.

WETLANDS September 9th Zoom meeting.

Join Zoom Meeting

<https://us06web.zoom.us/j/83914758029?pwd=ep24M3qTJYKfl25PcgTS5anb2Xy046.1>

Meeting ID: 839 1475 8029

Passcode: 5FNszm

--- By Phone

929 205 6099 US (New York)

Meeting ID: 839 1475 8029

Passcode: 750863

Find your local number: <https://us06web.zoom.us/u/kAlkiXeaT>

Join by SIP

• 83914758029@zoomcrc.com

Join instructions

https://us06web.zoom.us/meetings/83914758029/invitations?signature=u6aJ_oUPx6KB3Y2UqxAy9q5HUpL5sdPBcwa7LJ6f-4

Inland Wetland Commission Hybrid Meeting Minutes
August 12, 2026, 7:00 P.M.
Municipal Complex Room 201
Second Floor

Present: Adam Paquin, Walter Irwin, Cynthia Dunne, Theodore
Altmeier

Absent: Mary Jo Abts

Review minutes of the April 8, 2026, meeting.

Motion by Theodore Altmeier to accept the minutes, second by Walter Irwin. ALL WERE IN FAVOR.

Correspondence: None

Public Participation: None

New Business: None

Other Business:

Accepting new applications for the September 9, 2026, meeting:

Application # 2026-07 Ryan Krohn – 204 Park Road-Installation of underground utilities.

Motion by Cynthia Dunne to accept the application, second by Walter Irwin. ALL WERE IN FAVOR.

Application # 2026-08 Strategic Commercial Realty, Inc. - 28, 44, & 48 Technology Park Drive
Gravel Removal.

Motion by Theodore Altmeier to accept the application, second by Walter Irwin. ALL WERE IN FAVOR.

Motion by Theodore Altmeier to schedule a site visit for Saturday August 15, 2026, at 9:00 A.M.
Second by Walter Irwin. All WERE IN FAVOR.

Commission members will meet at Technology Park Drive. Cynthia Dunne stated she would not be in attendance.

Application # 2026-09 Town of Putnam-Wicker Street Bridge No. 115011 repair over Wheaton
Brook.

Motion by Adam Paquin to accept the application, second by Theodore Altmeier. ALL WERE IN FAVOR.

Agent Updates:

Bruce Fitzback updated the Commission on his review of the work completed on Bates Avenue by the pond. He explained it was an improvement to a bad situation and a permit should have been obtained.

Comments by Commissioners: None

Motion by Theodore Altmeier to adjourn at 7:18, second by Walter Irwin. ALL WERE IN FAVOR.

Respectfully submitted by Brenda Roy.



INLAND WETLAND COMMISSION

APPENDIX A

APPLICATION FOR PERMIT

This application is for the use of inland wetlands and water courses.

The meetings are held on the second Wednesday of every month at 7:00pm in the Town Hall. If an on-site inspection is canceled due to inclement weather, the applicant is asked to call the office at 963-6803 30 minutes before the scheduled inspection to see if or when the inspection will be held.

Name of Applicant RYAN KRONM
Applicant's Address 204 PARK RD. PUTNAM, CT 06260
Phone # (860) 933-8756
Owner of Land BT KK PARK RD. LLC
Owner's Address 41 Hill Rd. Thompson, CT 06277
Location and description of proposed activity: A GARAGE FOR OUR TREE SERVICE
WHERE WE CAN WASH & SERVICE OUR EQUIPMENT. ALSO WE WOULD
LIKE AN AREA W/ TREES FOR TRAINING
INSTALLATION OF UNDERGROUND UTILITY LINE

Activity & Purpose Code

Please **CHECK** one in each column that best describes the activity proposed.

Code	Activity Type	Code	Activity Purpose
☐ 1	Filling	☐ A	Residential Improvement by homeowner
☒ 2	Excavation	☐ B	New residential development - single family
☒ 3	Land Clearing	☐ C	New residential development - multi- family/condo
☐ 4	Stream Channel	☒ D	Commercial/Industrial Uses
☐ 5	Stream Stabilization	☐ E	Municipal Improvements
☐ 6	Stream Clearance	☐ F	Utility Company Improvements
☐ 7	Culverting	☐ G	Agriculture, Forestry or Conservation
☒ 8	Und. Grd. Util.	☐ H	Wetland Creation/Restoration
☐ 9	Roadway Construction	☐ I	Storm Water/Flood Control
☐ 10	Drainage Improvements	☐ J	Erosion/Sediment Control
☐ 11	Pond Dredge/Dam Construction	☐ K	Recreation/Boating/Navigation
☐ 12	Activity Buffer/Set Back Area	☐ L	Routine Maintenance
☒ 13	Other: Please describe:		

WATER CROSSING

NORM → STONE SPECS
ON WATER CROSSING?

INLAND WETLAND COMMISSION

APPENDIX A Continued

Application Procedure

- SHOP FOLDER** → WATER CROSSING
KROHN - SITE 1. PLANS
- Applicant will have a map showing the property boundaries, any wetlands on the property, proposed buildings, septic area, drainage if applicable and the dimension between these areas in scale 1" - 200' or less
- Applicant must provide an approximate estimate of the linear footage of the wetlands that are affected by said proposal. This is for multi-family, condominiums or commercial development. Contact with the Zoning Official may clarify the nature of your project
- Applicant must provide an approximate estimate of the number of acres that are affected by said proposal dealing with multi-family, condominiums and commercial development in which wetlands are part of that impacted area within the watershed.
- Applicant will supply a copy of the soil scientist report with the application to the Wetlands Commission to be reviewed at the meeting by the Commission.
- Applicant will have the soil scientist number the wetland flags and record the numbers of the flags on the site plan according to their location in the field. The location on the site map must match the field location.
- If the applicant's estimates are not accurate, payment of the correct amount must be made before the Wetlands final approval of the application.
- And any other information deemed necessary by the Commission.
- 0.195**
- CALL NORM THROUGHOUT**
- USE FILE: WETLANDS FLAG LOCATION**
- MEASURE EVERYWHERE ALT ROUTE**
- 390-400**
- POLE TO WATER**

Fee Schedule

1.	Permitted and non-regulated	\$40.00
2.	One lot regulated	\$40.00
3.	Regulated Area	
	Two (2) - Ten (10) lots	\$100.00
	Ten (10) - Twenty (20) lots	\$200.00
	Over Twenty (20+) lots	\$300.00
4.	Multi-Family/Condominium Regulated area	
	Zero (0) to Five (5) Acres	\$50.00
	Per linear foot of wetlands additional	\$0.35
	Over Five (5) acres	\$100.00
	Per linear foot of wetlands additional	\$0.35
5.	Commercial	
	Zero (0) to Five (5) Acres	\$100.00
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	Over Five (5) acres	\$300.00
	Per linear foot of wetlands additional	\$0.50

All Applications State of Connecticut Fee as per CGS Section 22a-27j

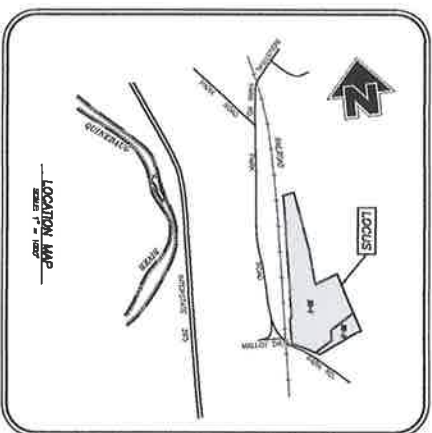
60- \$60.00

All applications must be submitted one week prior to the regularly scheduled monthly meeting.

**PARK ROAD
PUTNAM, CONNECTICUT**

PREPARED FOR:
RYAN KROHN

TITLE	SHEET No.
COVER SHEET	1 OF 5
RESUBDIVISION MAP	2 OF 5
EASEMENT MAP	3 OF 5
SITE DEVELOPMENT PLAN	4 OF 5
DETAIL SHEET	5 OF 5



CONSTITUTIONAL MATTERS

1. All Materials and methods of collection and analysis must be described in sufficient detail to permit independent replication. Submitting Specifications for Publications, *Journal of the American Statistical Association*, 1996, 91(435), 1309-1314. <http://www.amstat.org/asa/pubs/submitting.htm>
2. In the event that figures must be submitted, they must be prepared on separate sheets, clearly labeled, and submitted in computerized format.
3. All statistical data findings are applicable to members of the profession and must be submitted in a format that can be reviewed and assessed at a proper meeting by the profession.
4. All statistical data must describe the data and be clearly labeled.
5. All statistical work must be conducted in a professional manner. The work must be submitted in a format that can be reviewed and assessed at a proper meeting by the profession.
6. The location of existing articles is shown for the convenience of the reader. The location of existing articles is shown for the convenience of the reader. The location of existing articles is shown for the convenience of the reader.
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**BEFORE YOU DIG
CALL BEFORE YOU DIG**
AT LEAST TWO FULL BUSINESS DAYS
BEFORE DIGGING OR DISTURBING EARTH
DIAL 811 OR 1-800-922-4455

LEGEND

F.F.	FISHED FLOOR
●	IRON PIN TO BE SET
○	IRON PIN BRAND
□	UTILITY POLE
□	WATER DATE
□	FIRE ALARM
□	CATCH BASIN
□	PRODUCTION TEST HOLE
□	TEST HOLE
□	EXISTING CONDUITS
□	PROPOSED CONDUITS
□	BUILDING SERVICE LINE
□	CURB LINE
□	WATER LINE
□	STONE WALL
□	SILT POND

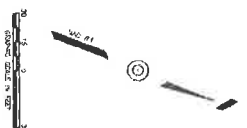
APPROVED BY THE TOWN OF PUTNAM INLAND
WETLAND AND WATER COURSES COMMISSION

ENDORSED BY THE TOWN OF PUTNAM
PLANNING AND ZONING COMMISSION

[illegible]

January 2026

HOWARD TRESULT, A. P.E. No. 22634 DATE _____



CROSS SECTION 1-1



SECTION 1-1

1	Proposed Road	100' + 0.00
2	Proposed Road	100' + 10.00
3	Proposed Road	100' + 20.00
4	Proposed Road	100' + 30.00
5	Proposed Road	100' + 40.00
6	Proposed Road	100' + 50.00
7	Proposed Road	100' + 60.00
8	Proposed Road	100' + 70.00
9	Proposed Road	100' + 80.00
10	Proposed Road	100' + 90.00
11	Proposed Road	100' + 100.00

CROSS SECTION 2-2

SECTION 2-2

1	Proposed Road	100' + 0.00
2	Proposed Road	100' + 10.00
3	Proposed Road	100' + 20.00
4	Proposed Road	100' + 30.00
5	Proposed Road	100' + 40.00
6	Proposed Road	100' + 50.00
7	Proposed Road	100' + 60.00
8	Proposed Road	100' + 70.00
9	Proposed Road	100' + 80.00
10	Proposed Road	100' + 90.00
11	Proposed Road	100' + 100.00

CROSS SECTION 3-3

SECTION 3-3

1	Proposed Road	100' + 0.00
2	Proposed Road	100' + 10.00
3	Proposed Road	100' + 20.00
4	Proposed Road	100' + 30.00
5	Proposed Road	100' + 40.00
6	Proposed Road	100' + 50.00
7	Proposed Road	100' + 60.00
8	Proposed Road	100' + 70.00
9	Proposed Road	100' + 80.00
10	Proposed Road	100' + 90.00
11	Proposed Road	100' + 100.00

CROSS SECTION 4-4

SECTION 4-4

1	Proposed Road	100' + 0.00
2	Proposed Road	100' + 10.00
3	Proposed Road	100' + 20.00
4	Proposed Road	100' + 30.00
5	Proposed Road	100' + 40.00
6	Proposed Road	100' + 50.00
7	Proposed Road	100' + 60.00
8	Proposed Road	100' + 70.00
9	Proposed Road	100' + 80.00
10	Proposed Road	100' + 90.00
11	Proposed Road	100' + 100.00

- LEGEND**
- PROPOSED ROAD
 - PROPOSED SIDEWALK
 - PROPOSED BIKEWAY
 - PROPOSED DRAINAGE
 - PROPOSED LANDSCAPE
 - PROPOSED LIGHTING
 - PROPOSED FENCE
 - PROPOSED SIGNAGE
 - PROPOSED UTILITY
 - PROPOSED STRUCTURE
 - PROPOSED FURNITURE
 - PROPOSED PLANTING
 - PROPOSED ART
 - PROPOSED OTHER

PROPOSED ROAD

1	Proposed Road	100' + 0.00
2	Proposed Road	100' + 10.00
3	Proposed Road	100' + 20.00
4	Proposed Road	100' + 30.00
5	Proposed Road	100' + 40.00
6	Proposed Road	100' + 50.00
7	Proposed Road	100' + 60.00
8	Proposed Road	100' + 70.00
9	Proposed Road	100' + 80.00
10	Proposed Road	100' + 90.00
11	Proposed Road	100' + 100.00

APPROVED BY THE TOWN OF PUTNAM HILL AND PUTNAM HILL COMMISSION

DATE: _____

ENDORSED BY THE TOWN OF PUTNAM HILL PLANNING AND ZONING COMMISSION

DATE: _____

TO MY KNOWLEDGE AND BELIEF, THE MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DATE: _____

TO MY KNOWLEDGE AND BELIEF, THE MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DATE: _____

RYAN KROHN

IMPROVEMENT LOCATION & R/W SITE DEVELOPMENT PLAN

PREFARED FOR

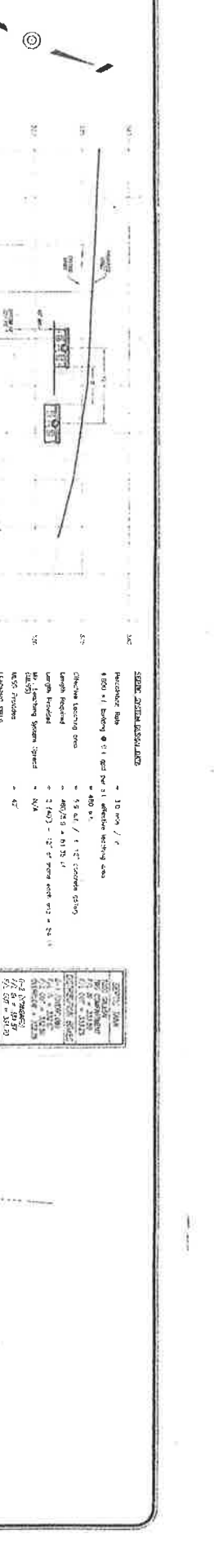
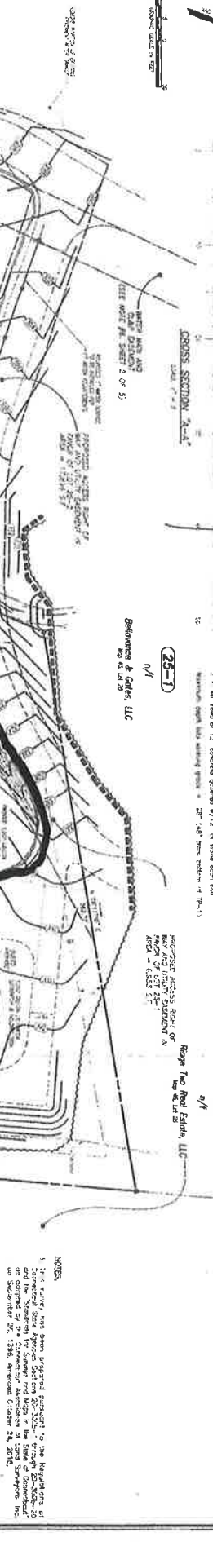
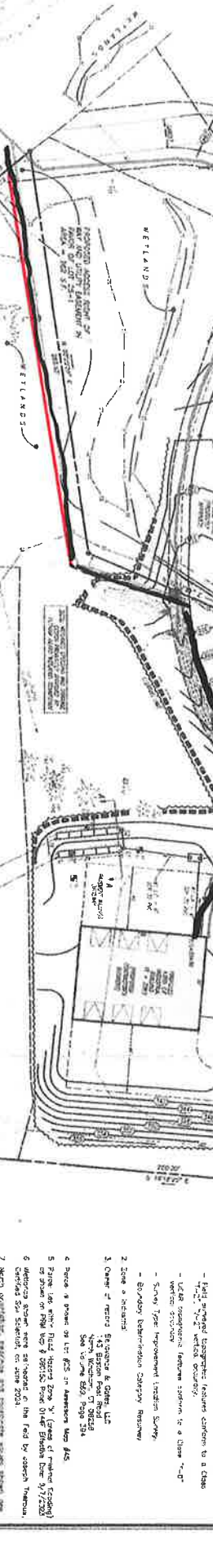
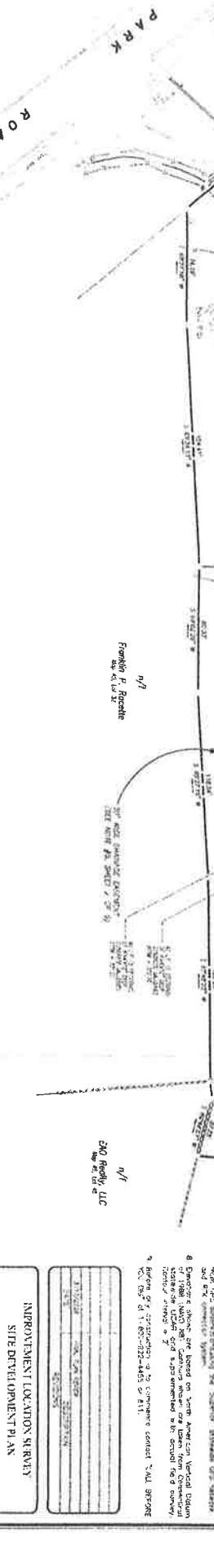
Killingly Eng'g

1000 Main Street, Suite 100, Killingly, CT 06257

Phone: 860-439-1234

Fax: 860-439-1235

Email: info@killingyeng.com



APPROVAL TO CONSTRUCT OR REPAIR SEWAGE DISPOSAL SYSTEM

NORTHEAST DISTRICT DEPARTMENT OF HEALTH

69 SOUTH MAIN STREET UNIT 4

BROOKLYN, CT 06234

860-774-7350

Approval is hereby granted for the construction/repair of a sewage disposal system at the property described below:

FILE # 27000011 MAP # 45 LOT #25.001

TOWN: PUTNAM

STREET: Park Road #204

PROPERTY OWNER: Ryan Krohn

INSTALLER: Shawn Zadora (SIG ON FILE)

CT LIC #

EXPIRES:

Residential: No. of Bedrooms: Non-Residential: 4800sqft building Design Flow: 480 Gallons Per Day (GPD)

INSTRUCTIONS FOR INSTALLER

1. Construction plot plan submitted and approved by this office must be adhered to.
2. This office must be contacted for approval if any change is going to be made in the system location, size or design, or any changes in house, well or property line locations.
3. Any *NEW* sewage disposal system must conform to *ALL* requirements of Section 19-13-B103 of the CT Public Health Code.
4. *ALL* new construction to be under *DIRECT* supervision of a CT licensed installer under Section 20-341 of the CT General Statutes.
5. The installer is *RESPONSIBLE* for *VERIFYING LOCATIONS* of *PROPERTY LINES, WELLS, and BURIED UTILITY LINES* prior to construction.
6. Installer to notify N.D.D.H. 24 hours, in advance, prior to the start of construction.
7. Installer to have septic tank covers removed at the time of inspection.

SPECIFIC INSTRUCTIONS:

- Install per plan (Killingly Engineering Associates, Project # 26010, drawn 01/30/2026, Revised 03/17/2026).
- CT licensed surveyor must stake building, benchmark and septic system, offsets stakes to include flowline or bottom of trench elevations.
- Benchmark to be located within 10-15 feet of proposed system.
- Install a 1000- gallon two compartment septic tank with outlet baffle filter.
- Install 480 square feet of effective leaching area consisting of 2-rows 40ft long of 12inch high concrete galleries with 1 foot of stone on all sides.
- Maximum depth into existing grade not to exceed 28 inches.
- Engineer/surveyor's as-built drawing required to include ties to building.
- Installer to schedule and be present for final inspection with NDDH staff and have level set up so that elevations may be verified.
- Installer shall complete checklist and submit to NDDH.

ONE

DATE ISSUED: 07/06/2026

EXPIRES: 07/06/2027

RENEWAL: / /

EXPIRES: / /

GRANTED BY:

Mauréen Marcoux RS

THIS PERMIT IS VALID FOR A PERIOD OF ONE YEAR FROM DATE OF ISSUE. IN ACCORDANCE WITH THE CT PUBLIC HEALTH CODE SECTION 19-13-B103a(f)(i). ONE RENEWAL IS POSSIBLE PROVIDED NDDH IS NOTIFIED PRIOR TO THE EXPIRATION DATE NOTED ABOVE. IF PERMIT EXPIRES, INSTALLERS ARE CHANGED, OR ANY OTHER DEVIATION FROM THE ORIGINAL PERMIT, A NEW APPLICATION MUST BE COMPLETED AND ALL APPLICABLE FEES MUST BE PAID.



JOSEPH R. THEROUX

~ CERTIFIED FORESTER/ SOIL SCIENTIST ~

PHONE 860-428-7992 ~ FAX 860-376-6842

426 SHETUCKET TURNPIKE, VOLUNTOWN, CT. 06384

FORESTRY SERVICES ~ ENVIRONMENTAL IMPACT ASSESSMENTS

WETLAND DELINEATIONS AND PERMITTING ~ E&S/SITE MONITORING

WETLAND FUNCTION AND VALUE ASSESSMENTS

6/4/24

KILLINGLY ENGINEERING ASSOCIATES
P.O. Box 421
DAYVILLE, CT. 06241

RE: WETLAND DELINEATION, GATES PROPERTY, PARK ROAD, PUTNAM, CT.

DEAR MR. GLAUDE,

AT YOUR REQUEST I HAVE DELINEATED THE INLAND WETLANDS AND WATERCOURSES ON THE SUBJECT PROPERTY.

THESE WETLANDS HAVE BEEN DELINEATED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL COOPERATIVE SOIL SURVEY AND THE DEFINITIONS OF WETLANDS AS FOUND IN THE CONNECTICUT STATUTES, CHAPTER 440, SECTIONS 22A-38.

FLUORESCENT PINK FLAGS WITH A CORRESPONDING LOCATION NUMBER DELINEATE THE BOUNDARY BETWEEN THE UPLAND SOILS AND THE INLAND WETLANDS THAT WERE FOUND.

FLAG NUMBERS WF-1 THROUGH WF-102, WF-1A THROUGH WF-8A, WF-1B THROUGH WF-35B, AND WF-1C THROUGH WF-9C DELINEATE THE BOUNDARY OF A PALUSTRINE FORESTED WETLAND COMPLEX FOUND THROUGHOUT THE CENTRAL PORTION OF THE PROPERTY.

NUMEROUS WATERCOURSES WERE IDENTIFIED WITHIN THIS WETLAND, FORMING FROM GROUNDWATER BREAKOUT AND SURFACE RUNOFF.

THESE STREAM FLOWS EXIT THE PROPERTY ON ITS WESTERN AND SOUTHERN PROPERTY BOUNDARIES. THE SOUTHERN FLOWS ARE RECEIVED BY THE STORM WATER DRAINAGE SYSTEM ASSOCIATED WITH PARK ROAD.

FLAG SERIES WF-1D THROUGH WF-27D DELINEATE AN INTERMITTENT WATERCOURSE THAT HAS FORMED IN A RIP-RAP DRAINAGE SWALE THAT RECEIVES FLOWS FROM THE CENTRAL WETLAND COMPLEX.

THESE WETLAND SOILS HAVE FORMED FROM THE PROLONGED WETNESS FROM THE SEASONALLY HIGH-WATER TABLES.

THESE SOILS ARE CHARACTERIZED BY THICK ORGANIC "A" HORIZONS, SHALLOW REDOXIMORPHIC FEATURES AND LOW CHROMA COLORS FOUND WITHIN 20 INCHES OF THE SOIL SURFACE.

IN CONCLUSION, IF YOU HAVE ANY QUESTIONS CONCERNING THE DELINEATION OR THIS REPORT, PLEASE FEEL FREE TO CONTACT ME.

THANK YOU,

Joseph R. Theroux

JOSEPH R. THEROUX
CERTIFIED SOIL SCIENTIST
MEMBER SSSSNE, NSCSS, SSSA.



INLAND WETLAND COMMISSION

APPENDIX A

APPLICATION FOR PERMIT

This application is for the use of inland wetlands and water courses.

The meetings are held on the second Wednesday of every month at 7:00pm in the Town Hall. If an on-site inspection is canceled due to inclement weather, the applicant is asked to call the office at 963-6803 30 minutes before the scheduled inspection to see if or when the inspection will be held.

Name of Applicant	Strategic Commercial Realty, Inc.
Applicant's Address	58 Pomfret Street, Suite 4101, Putnam, CT 06260
Phone #	860-963-6584
Owner of Land	Applicant & Town of Putnam
Owner's Address	Applicant - see above Town of Putnam, 200 School Street, Putnam, CT 06260
Location and description of proposed activity:	28, 44 & 48 Technology Park Drive
Excavation and removal of approximately 1.9 million cubic yards of rock to regrade the subject properties to facilitate future development of the Quinebaug Regional Technology Park. The proposed excavation will create large flat pad sites suitable for future construction of buildings, parking and related improvements.	

Activity & Purpose Code

Please CHECK one in each column that best describes the activity proposed.

<u>Code</u>	<u>Activity Type</u>	<u>Code</u>	<u>Activity Purpose</u>
☐	1 Filling	☐	A Residential Improvement by homeowner
☒	2 Excavation	☐	B New residential development - single family
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☐	12 Activity Buffer/Set Back Area	☐	L Routine Maintenance
☐	13 Other: Please describe:		

INLAND WETLAND COMMISSION

APPENDIX A *Continued*

Project Name (if applicable) N/A

Estimate of Linear Footage affecting Wetlands 0

Affected number of acres in which Wetlands are part of
the impacted area for Multi-Family, Condos and
Commercial Development 0

TO BE COMPLETED BY THE COMMISSION

Application Number _____ Date of Receipt _____

Application Approved (date) _____

Conditions of approval if applicable _____

Application Denied (date) _____

Reason(s) for Denial _____

Signature of Chairman or Secretary of Commission

Date

INLAND WETLAND COMMISSION

APPENDIX A *Continued*

Application Procedure

1. Applicant will have a map showing the property boundaries, any wetlands on the property, proposed buildings, septic area, drainage if applicable and the dimension between these areas in scale 1" - 200' or less
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All Applications State of Connecticut Fee as per CGS Section 22a-27j		\$60.00

All applications must be submitted one week prior to the regularly scheduled monthly meeting.



Joseph R. Theroux

~ Certified Forester/ Soil Scientist ~

Phone 860-428-7992 ~ Fax 860-376-6842

426 Shetucket Turnpike, Voluntown, CT. 06384

Forestry Services ~ Wetland Impact Assessments

Wetland Delineations and Permitting ~ E&S/Site Monitoring

Wetland function/value assessments

9/4/2025

Mr. David Held
90 Brown Rd.
Voluntown, Ct. 06384

Re: Wetland delineation, 28 Technology Park Drive, Putnam, CT.

Dear Mr. Held,

At your request I have delineated the inland wetlands and watercourses on the subject property.

These wetlands have been delineated in accordance with the standards of the National Cooperative Soil Survey and the definitions of wetlands and watercourses as found in the Connecticut Statutes, Chapter 440, Section 22A-38.

Fluorescent pink flags with a corresponding location number delineate the boundaries of these inland wetlands and the adjacent upland soils.

Wetland flags WF-1 through WF-59 and WF-1A through WF-49A delineate the boundary of a palustrine forested wetland and watercourse found in the central portion of the property.

These wetland soils have formed from the persistent wetness due to the high seasonal water tables, surface flows and groundwater breakout.

They are characterized by thick organic topsoil horizons, shallow redoximorphic features and low chroma colors within 20 inches of the soil surface.

In conclusion, if you have any questions concerning the delineation or this report, please feel free to contact me.

Thank you,

Joseph R. Theroux

Joseph R. Theroux

Certified Soil Scientist
Member SSSSNE, NSCSS, SSSA.



25 feet Abutters List Report

Putnam, CT
August 06, 2026

Subject Properties:

Parcel Number: 037-087
CAMA Number: 037-087-000
Property Address: 28 TECHNOLOGY PARK DR

Mailing Address: PUTNAM TOWN OF
200 SCHOOL ST
PUTNAM, CT 06260

Parcel Number: 037-094
CAMA Number: 037-094-000
Property Address: 44 TECHNOLOGY PARK DR

Mailing Address: STRATEGIC COMMERCIAL REALTY INC
58 POMFRET ST-STE 4101
PUTNAM, CT 06260

Parcel Number: 037-095
CAMA Number: 037-095-000
Property Address: 48 TECHNOLOGY PARK DR

Mailing Address: STRATEGIC COMMERCIAL REALTY INC
58 POMFRET ST-STE 4101
PUTNAM, CT 06260

Abutters:

Parcel Number: 037-038
CAMA Number: 037-038-000
Property Address: 8 QUINEBAUG AVE

Mailing Address: SYLVIA HANKIN REVOCABLE
INTERVIVOS TRUST SYLVIA HANKIN
TRUSTEE
206 SHUTESBURY RD
AMHERST, MA 01002

Parcel Number: 037-044
CAMA Number: 037-044-000
Property Address: 12 TECHNOLOGY PARK DR

Mailing Address: PUTNAM TOWN OF
200 SCHOOL ST
PUTNAM, CT 06260

Parcel Number: 037-064
CAMA Number: 037-064-000
Property Address: 30 TOWN FARM RD

Mailing Address: BUNKER LOUIS FOSTER JR TRUSTEE
35 TOWN FARM RD
PUTNAM, CT 06260

Parcel Number: 037-065
CAMA Number: 037-065-000
Property Address: 84 TOWN FARM RD

Mailing Address: ZANGERL ROBERT & JILL
84 TOWN FARM RD
PUTNAM, CT 06260

Parcel Number: 037-071
CAMA Number: 037-071-000
Property Address: 90 TOWN FARM RD

Mailing Address: SHELDON ROXANNE & ROBERT E
90 TOWN FARM RD
PUTNAM, CT 06260-1824

Parcel Number: 037-092
CAMA Number: 037-092-000
Property Address: 86 TOWN FARM RD

Mailing Address: TOWN FARM ENTERPRISES LLC
55 LAKESHORE DR
THOMPSON, CT 06277

Parcel Number: 037-096
CAMA Number: 037-096-000
Property Address: 56 TECHNOLOGY PARK DR

Mailing Address: STRATEGIC COMMERCIAL REALTY INC
58 POMFRET ST-STE 4101
PUTNAM, CT 06260



www.cai-tech.com

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8/6/2026

Page 1 of 2



25 feet Abutters List Report

Putnam, CT
August 06, 2026

Parcel Number: 037-109
CAMA Number: 037-109-000
Property Address: 135 TECHNOLOGY PARK DR

Mailing Address: STRATEGIC COMMERCIAL REALTY INC
58 POMFRET ST-STE 4101
PUTNAM, CT 06260



www.cai-tech.com

8/6/2026

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Page 2 of 2

Abutters List Report - Putnam, CT



Connecticut Department of

ENERGY &
ENVIRONMENTAL
PROTECTION

GIS CODE #:

For DEEP Use Only

79 Elm Street • Hartford, CT 06106-5127

www.ct.gov/deep

Affirmative Action/Equal Opportunity Employer

Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete this form in accordance with the instructions on pages 2 and 3 and mail to:

DEEP Land & Water Resources Division, Inland Wetlands Management Program, 79 Elm Street, 3rd Floor, Hartford, CT 06106

Incomplete or incomprehensible forms will be mailed back to the inland wetlands agency.

PART I: Must Be Completed By The Inland Wetlands Agency

1. DATE ACTION WAS TAKEN: year: _____ month: _____

2. ACTION TAKEN (see instructions - one code only): _____

3. WAS A PUBLIC HEARING HELD (check one)? yes ☐ no ☐

4. NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:

(print name) _____ (signature) _____

PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant

5. TOWN IN WHICH THE ACTIVITY IS OCCURRING (print name): Putnam

does this project cross municipal boundaries (check one)? yes ☐ no ☒

if yes, list the other town(s) in which the activity is occurring (print name(s)): _____

6. LOCATION (see instructions for information): USGS quad name: Putnam or number: 28

subregional drainage basin number: 3700

7. NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): Strategic Commercial Realty, Inc.

8. NAME & ADDRESS OF ACTIVITY / PROJECT SITE (print information): 28, 44 & 48 Technology Park Drive

briefly describe the action/project/activity (check and print information): temporary ☐ permanent ☒ description: _____

Excavation and grading to prepare lots for future development in the Quinebaug Regional Technology Park

9. ACTIVITY PURPOSE CODE (see instructions - one code only): D

10. ACTIVITY TYPE CODE(S) (see instructions for codes): 2, 12, 14

11. WETLAND / WATERCOURSE AREA ALTERED (see instructions for explanation, must provide acres or linear feet):

wetlands: 0 acres open water body: 0 acres stream: 0 linear feet

12. UPLAND AREA ALTERED (must provide acres): 26.5 acres

13. AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): 0 acres

DATE RECEIVED:

PART III: To Be Completed By The DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO

KA&G Technical Services LLC

Civil Engineering • Surveying • Site Planning

99 Reilly Road, Hampton, CT 06247

Telephone (860) 234-3183

August 6, 2026

Town of Putnam
Inland Wetlands Commission
200 School Street
Putnam, CT 06260

**RE: Proposed Excavation and Lot Reconfiguration – 28, 44 & 48 Technology Park Drive
KA&G Job No. 25-18**

Dear Commissioners:

In accordance with the Town of Putnam Inland Wetlands and Watercourses Regulations, the following certifications are offered in conjunction with the referenced application:

Section 7.5.i: The undersigned applicant is familiar with all the information provided in the application and I am aware of the penalties for obtaining a permit through deception or through inaccurate or misleading information.

Section 7.7.a: No portion of the property on which the regulated activity is proposed is located within 500 feet of the boundary of an adjoining municipality.

Section 7.7.b: No traffic attributable to the completed project on the site will use streets within an adjoining municipality to enter or exit the site.

Section 7.7.c: No sewer or water drainage from the project site will flow through and impact the sewage or drainage system within an adjoining municipality.

Section 7.7.d: No water run-off from the improved site will impact streets or other municipal or private property within an adjoining municipality.

Sincerely,



David J. Held, P.E., L.S.
KA&G Technical Services LLC



Jeffrey A. Rawson, President
Strategic Commercial Realty, Inc.

KA&G Technical Services LLC

Civil Engineering • Surveying • Site Planning

99 Reilly Road, Hampton, CT 06247

Telephone (860) 234-3183

August 6, 2026

**Strategic Commercial Realty, Inc.
Excavation and Lot Reconfiguration
28, 44 & 48 Technology Park Drive**

KA&G Job #25-18

APPLICATION PACKAGE CONTENTS – Inland Wetlands Application

1. Application fee \$360.00
2. Inland Wetlands Commission application form
3. Wetland delineation report by Joseph Theroux dated 9/4/2025
4. List of abutting property owners as of 8/6/2026
5. CT DEEP Activity Reporting Form
6. Certifications per Section 7.5 and Section 7.7
7. 5 copies of site plans dated 8/3/2026 (to be utilized for zoning application also)



INLAND WETLAND COMMISSION

APPENDIX A

APPLICATION FOR PERMIT

This application is for the use of inland wetlands and water courses.

The meetings are held on the second Wednesday of every month at 7:00pm in the Town Hall. If an on-site inspection is canceled due to inclement weather, the applicant is asked to call the office at 963-6803 30 minutes before the scheduled inspection to see if or when the inspection will be held.

Name of Applicant	Town of Putnam
Applicant's Address	200 School Street, Putnam, CT 06260
Phone #	860-963-6800, Mayor's ext. 103
Owner of Land	Town of Putnam
Owner's Address	200 School Street, Putnam, CT 06260

Location and description of proposed activity:	Wicker Street over Wheaton's Brook
Install a slip-liner pipe within the existing 72-inch diameter pipe. This work is to effectively replace the existing pipe, via structural lining, so that full excavation is not required. Work to be done during period of low flow as possible. In addition to structural bridge/culvert repair, added riprap to improve support where historical washout/erosion along downstream bank area. Turbidity curtain for sediment control.	

Activity & Purpose Code

Please CHECK one in each column that best describes the activity proposed.

<u>Code</u>	<u>Activity Type</u>	<u>Code</u>	<u>Activity Purpose</u>
☐	1 Filling	☐	A Residential Improvement by homeowner
☐	2 Excavation	☐	B New residential development - single family
☐	3 Land Clearing	☐	C New residential development - multi- family/condo
☐	4 Stream Channel	☐	D Commercial/Industrial Uses
☐	5 Stream Stabilization	☒	E Municipal Improvements
☐	6 Stream Clearance	☐	F Utility Company Improvements
☒	7 Culverting	☐	G Agriculture, Forestry or Conservation
☐	8 Und. Grd. Util.	☐	H Wetland Creation/Restoration
☐	9 Roadway Construction	☐	I Storm Water/Flood Control
☐	10 Drainage Improvements	☐	J Erosion/Sediment Control
☐	11 Pond Dredge/Dam Construction	☐	K Recreation/Boating/Navigation
☐	12 Activity Buffer/Set Back Area	☐	L Routine Maintenance
☐	13 Other: Please describe:		

INLAND WETLAND COMMISSION

APPENDIX A *Continued*

Project Name (if applicable) Bridge No. 115011 Wicker Street over Wheatons Brook Repairs

Estimate of Linear Footage affecting Wetlands Work in Est. 100 linear feet up and downstream of culvert

Affected number of acres in which Wetlands are part of the impacted area for Multi-Family, Condos and Commercial Development Work in Est. 500 square foot area (0.01 acres) up and downstream of culvert

TO BE COMPLETED BY THE COMMISSION

Application Number _____ Date of Receipt _____

Application Approved (date) _____

Conditions of approval if applicable _____

Application Denied (date) _____

Reason(s) for Denial _____

Signature of Chairman or Secretary of Commission

Date

INLAND WETLAND COMMISSION

APPENDIX A *Continued*

Application Procedure

1. Applicant will have a map showing the property boundaries, any wetlands on the property, proposed buildings, septic area, drainage if applicable and the dimension between these areas in scale 1" - 200' or less
2. Applicant must provide an approximate estimate of the linear footage of the wetlands that are affected by said proposal. This is for multi-family, condominiums or commercial development. Contact with the Zoning Official may clarify the nature of your project
3. Applicant must provide an approximate estimate of the number of acres that are affected by said proposal dealing with multi-family, condominiums and commercial development in which wetlands are part of that impacted area within the watershed.
4. Applicant will supply a copy of the soil scientist report with the application to the Wetlands Commission to be reviewed at the meeting by the Commission.
5. Applicant will have the soil scientist number the wetland flags and record the numbers of the flags on the site plan according to their location in the field. The location on the site map must match the field location.
6. If the applicant's estimates are not accurate, payment of the correct amount must be made before the Wetlands final approval of the application.
7. And any other information deemed necessary by the Commission.

Fee Schedule

1.	Permitted and non-regulated		\$40.00
2.	One lot regulated		\$40.00
3.	Regulated Area		
	Two (2) - Ten (10) lots		\$100.00
	Ten (10) - Twenty (20) lots		\$200.00
	Over Twenty (20+) lots		\$300.00
4.	Multi-Family/Condominium Regulated area		
	Zero (0) to Five (5) Acres		\$50.00
	Per linear foot of wetlands additional		\$0.35
	Over Five (5) acres		\$100.00
	Per linear foot of wetlands additional		\$0.35
5.	Commercial	9-2-26 As Town application, local fees and the state fee is not applicable. \$0 due.	
	Zero (0) to Five (5) Acres		\$100.00
	Per linear foot of wetlands additional		\$0.50
	Over Five (5) acres		\$300.00
	Per linear foot of wetlands additional		\$0.50

All Applications	State of Connecticut Fee as per CGS Section 22a-27j	\$60.00
------------------	---	---------

All applications must be submitted one week prior to the regularly scheduled monthly meeting.

GENERAL NOTES:

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 819 (2025) AND SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 10TH EDITION (2024), AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE AND ROADWAY STRUCTURES MANUAL WITH CURRENT INTERIM REVISIONS (5/2025).

LIVE LOAD: HL-93

FUTURE PAVING ALLOWANCE: NONE

CONCRETE: SPALL REPAIR CONCRETE SHALL BE CLASS PCC04481 AND SHALL CONFORM TO THE REQUIREMENTS OF "SECTION 6.01 CONCRETE FOR STRUCTURES" AND "SECTION M.03 PORTLAND CEMENT CONCRETE."

DEFORMED BAR REINFORCEMENT: (ASTM A615 GRADE 60) FY = 60,000 PSI

EXISTING DIMENSIONS: DIMENSIONS OF THE EXISTING STRUCTURE SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY TO ASSURE PROPER FIT OF THE FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. WHEN SHOP DRAWINGS ARE SUBMITTED FOR APPROVAL, THE FIELD MEASUREMENTS SHALL ALSO BE SUBMITTED FOR REFERENCE BY THE REVIEWER.

DEWATERING: BEFORE INITIATING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT A PLAN FOR APPROVAL THAT DEFINES THE METHODS AND MATERIALS FOR CONTROLLING STREAM WATER, DEWATERING AND PROTECTING THE STREAM DURING CONSTRUCTION. THE COST OF THIS WORK ITEM SHALL BE INCLUDED IN THE COST OF THE ITEM "HANDLING WATER."

UTILITIES: THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL UTILITIES WITHIN THE PROJECT LIMITS PRIOR TO THE START OF CONSTRUCTION AND SHALL TAKE NECESSARY PRECAUTIONS WHEN WORKING NEAR UTILITIES SO AS TO NOT DISTURB THEM OR PLACE ANY LOAD OR EQUIPMENT ON THEM. ALL UTILITY COMPANIES SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY WORK AFFECTING CABLES, CONDUITS, OR OTHER UTILITIES.

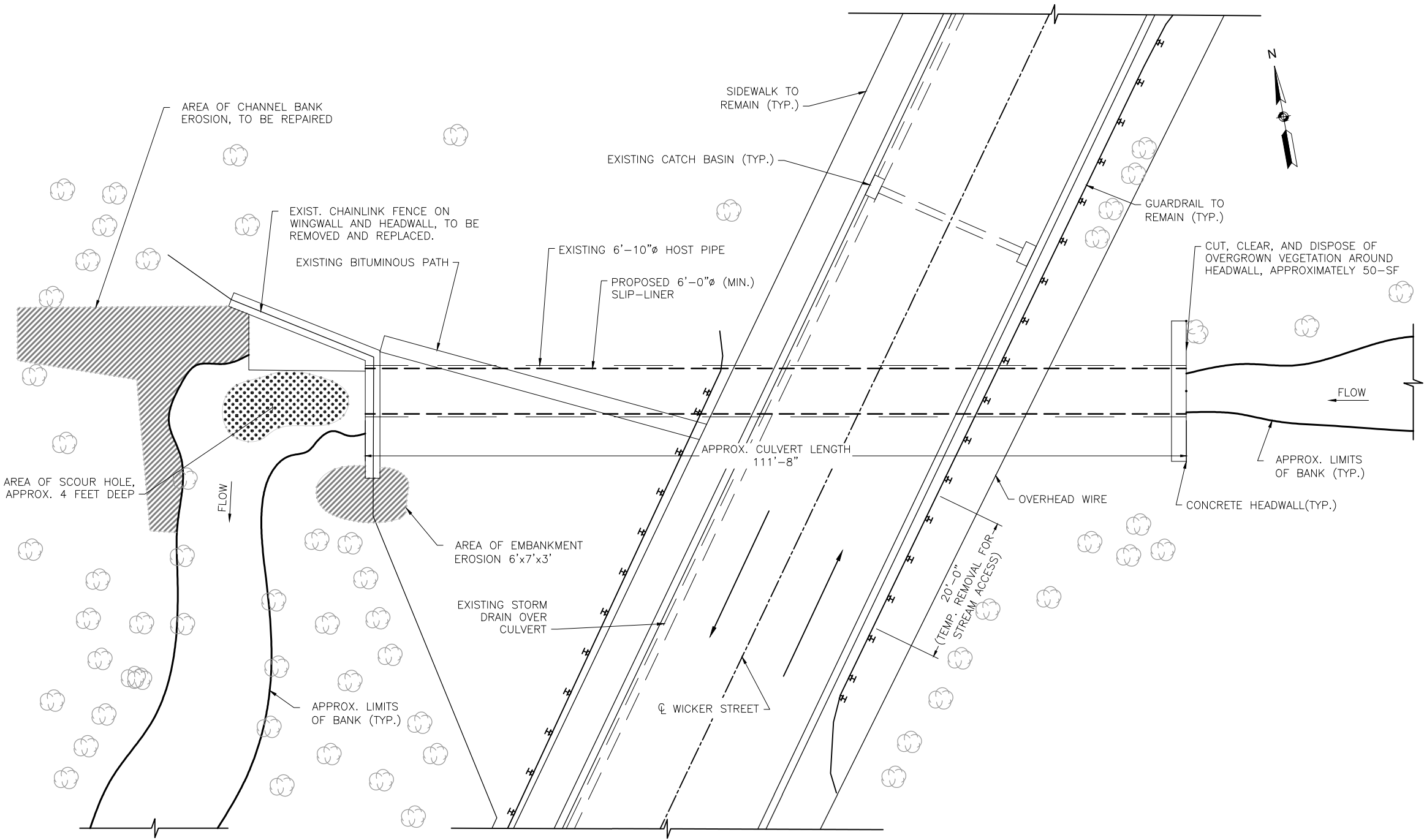
MAINTENANCE OF TRAFFIC: CONTRACTOR WILL BE ALLOWED TO SET UP ONE LANE CLOSURE AT A TIME FOR SLIP-LINING DELIVERIES. THE LENGTH OF THESE LANE CLOSURES WILL BE BASED ON THE CONTRACTOR'S ANTICIPATED WORK PRODUCTION. THE LANE CLOSURES WILL BE LIMITED TO THE HOURS BETWEEN 9:00AM AND 2:00PM.

PORTABLE SIGN SUPPORTS WILL NOT BE LOCATED ON SIDEWALKS, BICYCLE FACILITIES, OR OTHER AREAS DESIGNATED FOR PEDESTRIAN OR BICYCLE TRAFFIC. WORK ACTIVITIES WILL BE CONDUCTED DURING DAYLIGHT HOURS ONLY. TRAFFIC CONTROL SIGNS, ARE NOT MEASURED SEPARATELY. NO SEPARATE PAYMENT WILL BE MADE FOR SIGNS.

LINER PIPE: THE ENDS OF THE LINER PIPE SHALL BE MANUFACTURED TO MATCH THE ANGLE BETWEEN THE EXISTING END OF PIPE AND THE HEADWALL SUCH THAT THE LINER PIPE DOES NOT PROTRUDE BEYOND THE FACE OF THE HEADWALL/BEVELED GROUT.

GENERAL SCOPE OF WORK:

1. REMOVE AND DISPOSE OF OVERGROWN VEGETATION ALONG THE DOWNSTREAM CHANNEL BANK AND UPSTREAM HEADWALL.
2. CLEAN EXISTING 84" ACCMP AND REPAIR ANY VOIDS BEHIND THE ACCMP BY PRESSURE GROUTING.
3. PERFORM A MANDREL TEST TO VERIFY THE EXISTING CULVERT OPENING THROUGH THE FULL CULVERT LENGTH, PAID UNDER THE ITEM "CLEAN EXISTING CULVERT - GREATER THAN 42" DIAMETER."
4. ORDER A SLIP-LINING PIPE PROVIDING THE MAXIMUM DIAMETER AS ALLOWED BY THE HOST PIPE (72" DIAMETER MINIMUM).
5. INSTALL THE SLIP-LINER FROM THE DOWNSTREAM SIDE OF THE CULVERT IN SEGMENTS AND PUSH/PULL THE SLIP-LINER INTO THE HOST PIPE USING BLOCKING GUIDE RAILS TO CENTER THE SLIP LINING PIPE.
6. INSTALL UPSTREAM AND DOWNSTREAM COFFERDAMS TO DIRECT THE STREAM WATER INTO A BYPASS PIPE RUNNING THROUGH THE CULVERT.
7. ONCE THE CULVERT IS DRY, INSTALL SLIP-LING GROUT THROUGH GROUT PORTS IN THE SLIP-LINER TO FILL THE ANNULAR SPACE BETWEEN THE HOST PIPE AND SLIP-LINING PIPE.
8. PERFORM ANY NECESSARY REPAIRS TO THE CULVERT HEADWALLS AND WINGWALLS.
9. EXCAVATE THE SCOUR HOLE AND STOCKPILE STREAMBED SEDIMENTS. GRADE THE DOWNSTREAM EMBANKMENTS FOR THE PROPOSED REPAIRS.
10. PERFORM SCOUR HOLE AND EROSION BANK RIPRAP REPAIRS, REPLACE STOCKPILED STREAMBED SEDIMENTS OVER STANDARD RIPRAP SCOUR HOLE REPAIR.
11. LINE THE BASE OF THE CHANNEL BANK WITH TOE BOULDERS.
12. REMOVE COFFERDAMS AND BYPASS PIPE TO RESTORE STREAM FLOW.



GENERAL PLAN
SCALE: 1/4" = 1'-0"

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: E. PETERSON
DRAWN BY: E. PETERSON
SHEET CHKD BY: J. FLIETSTRA
CROSS CHKD BY: M. EGAN
APPROVED BY: M. EGAN
DATE: JUNE 2026

CDM Smith
101 East River Drive, Suite 1A
East Hartford, CT 06108
Tel: (860) 529-7615



Digitally signed
by Michael Egan
Date: 2026.06.24
15:35:47-04'00'

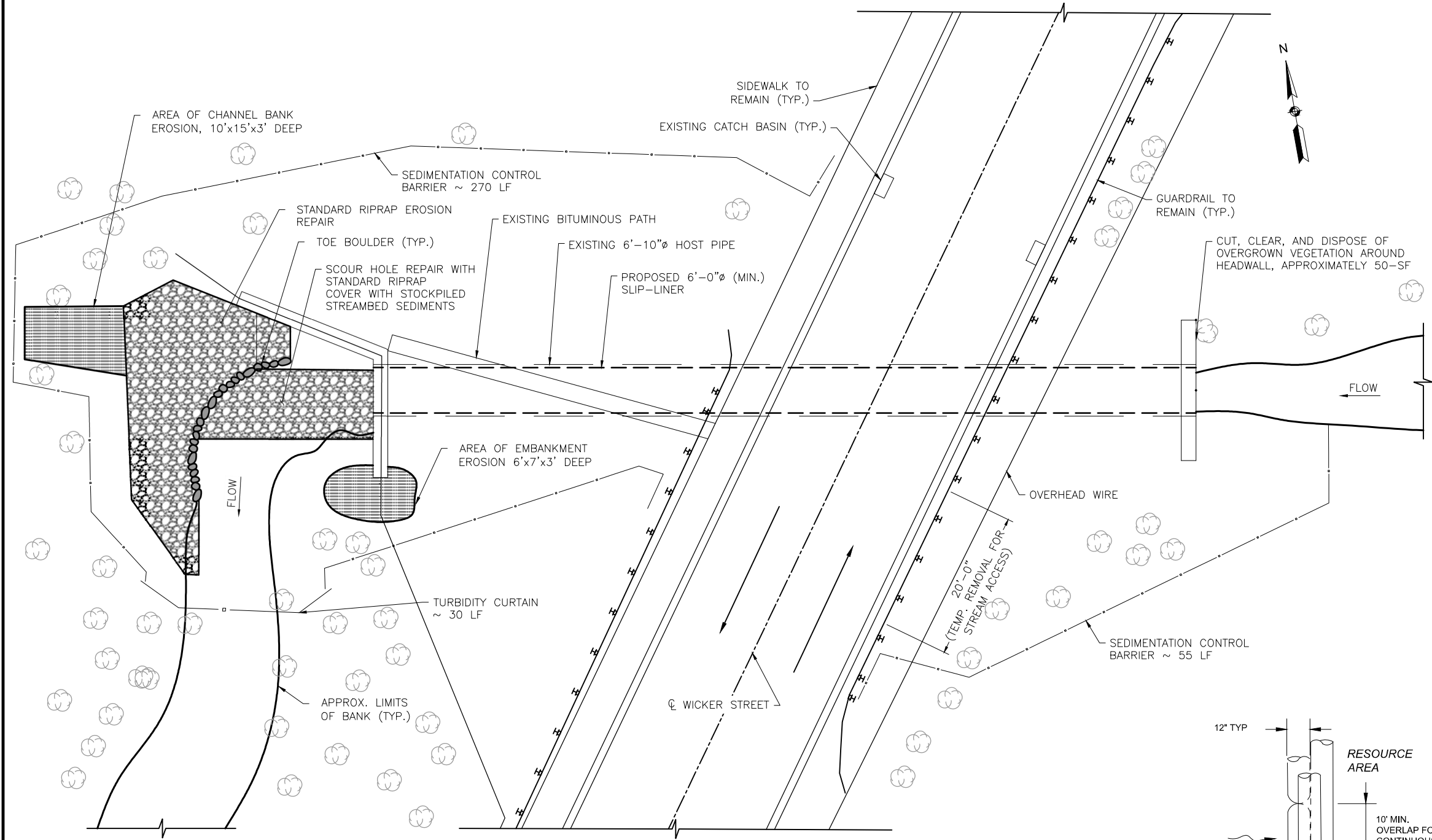
TOWN OF PUTNAM, CT
BRIDGE NO. 115011 WICKER ST. OVER WHEATONS
BROOK RECOMMENDED REPAIRS

PLAN VIEW

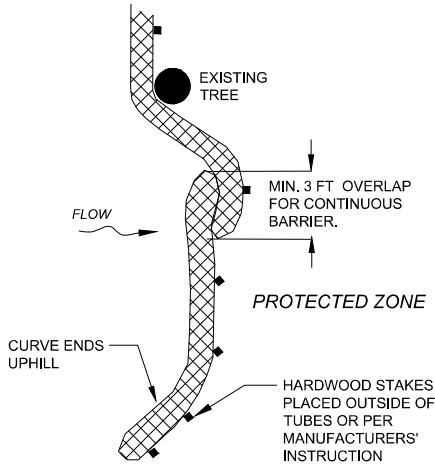
PROJECT NO. 262470-317485
FILE NAME:

SHEET NO.

S-1



GENERAL PLAN
SCALE: 1/4" = 1'-0"

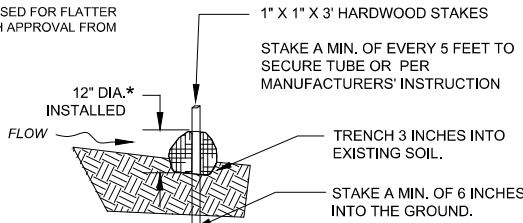


1. PLACE TUBE ALONG CONTOURS AND PERPENDICULAR TO FLOW
2. ADJUST LOCATION AS REQUIRED FOR OPTIMUM EFFECTIVENESS. DO NOT INSTALL IN WATERWAYS.
3. PLACE STAKES AS NEEDED TO SECURE TUBES IN PLACE.

PLAN

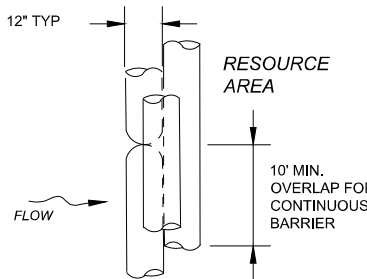
12 INCH STRAW WATTLE

TO BE USED ONLY ON FLAT SURFACES WITH LOW FLOW
*9 INCH MAY BE USED FOR FLATTER SURFACES WITH APPROVAL FROM ENGINEER

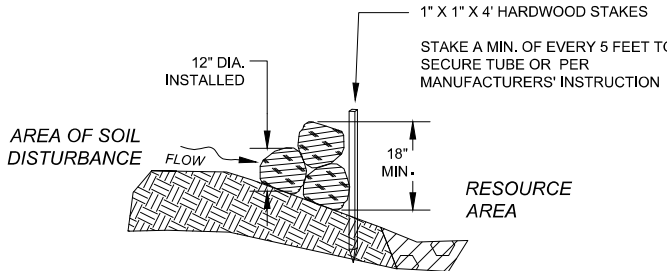


SECTION

SEDIMENT BARRIERS - COMPOST FILTER TUBES & STRAW WATTLES



PLAN



SECTION

COMPOST FILTER TUBE BERM (SLOPES 2:1 OR STEEPER)

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REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: E. PETERSON
DRAWN BY: E. PETERSON
SHEET CHK'D BY: J. FLIETSTRA
CROSS CHK'D BY: M. EGAN
APPROVED BY: M. EGAN
DATE: JUNE 2026

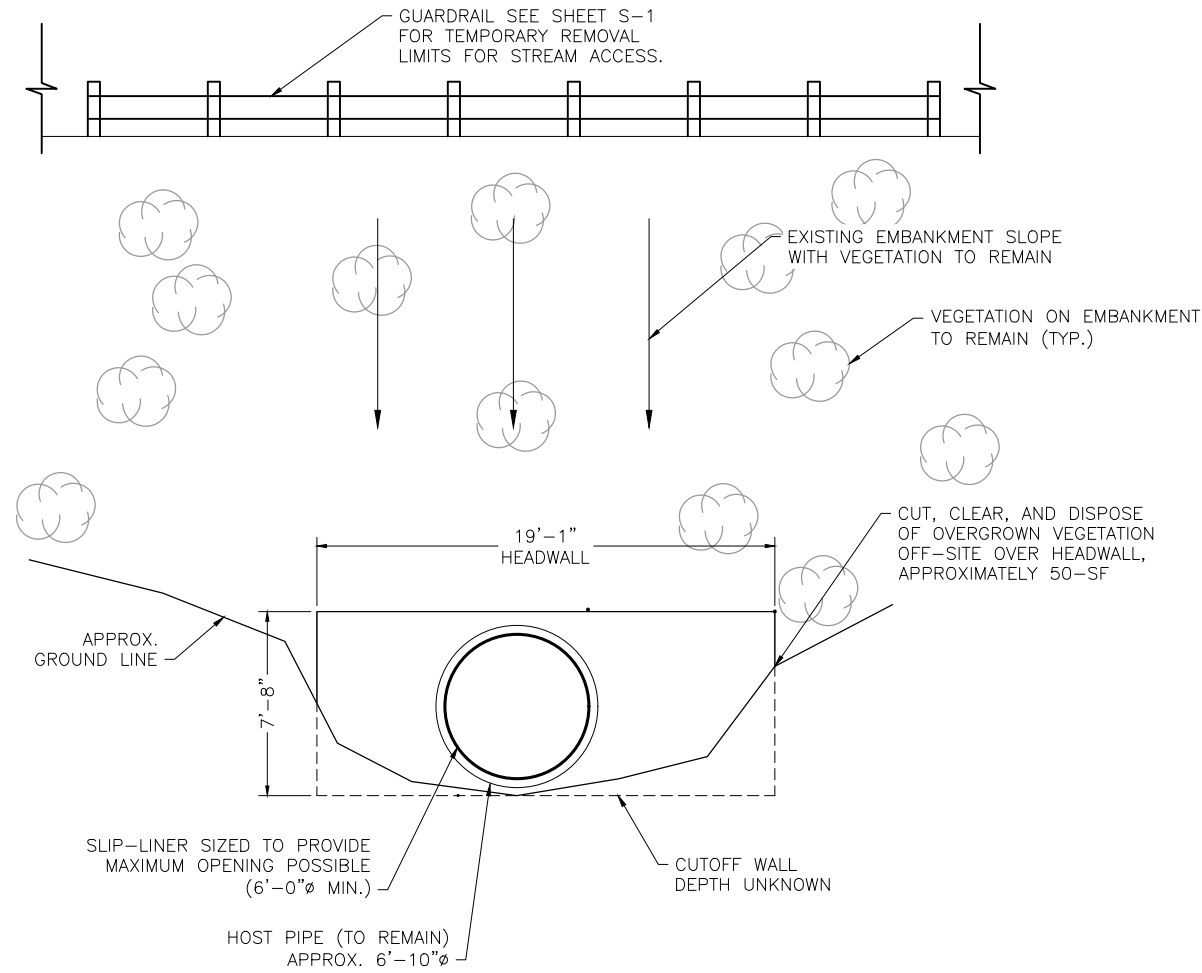
CDM Smith
101 East River Drive, Suite 1A
East Hartford, CT 06108
Tel: (860) 529-7615



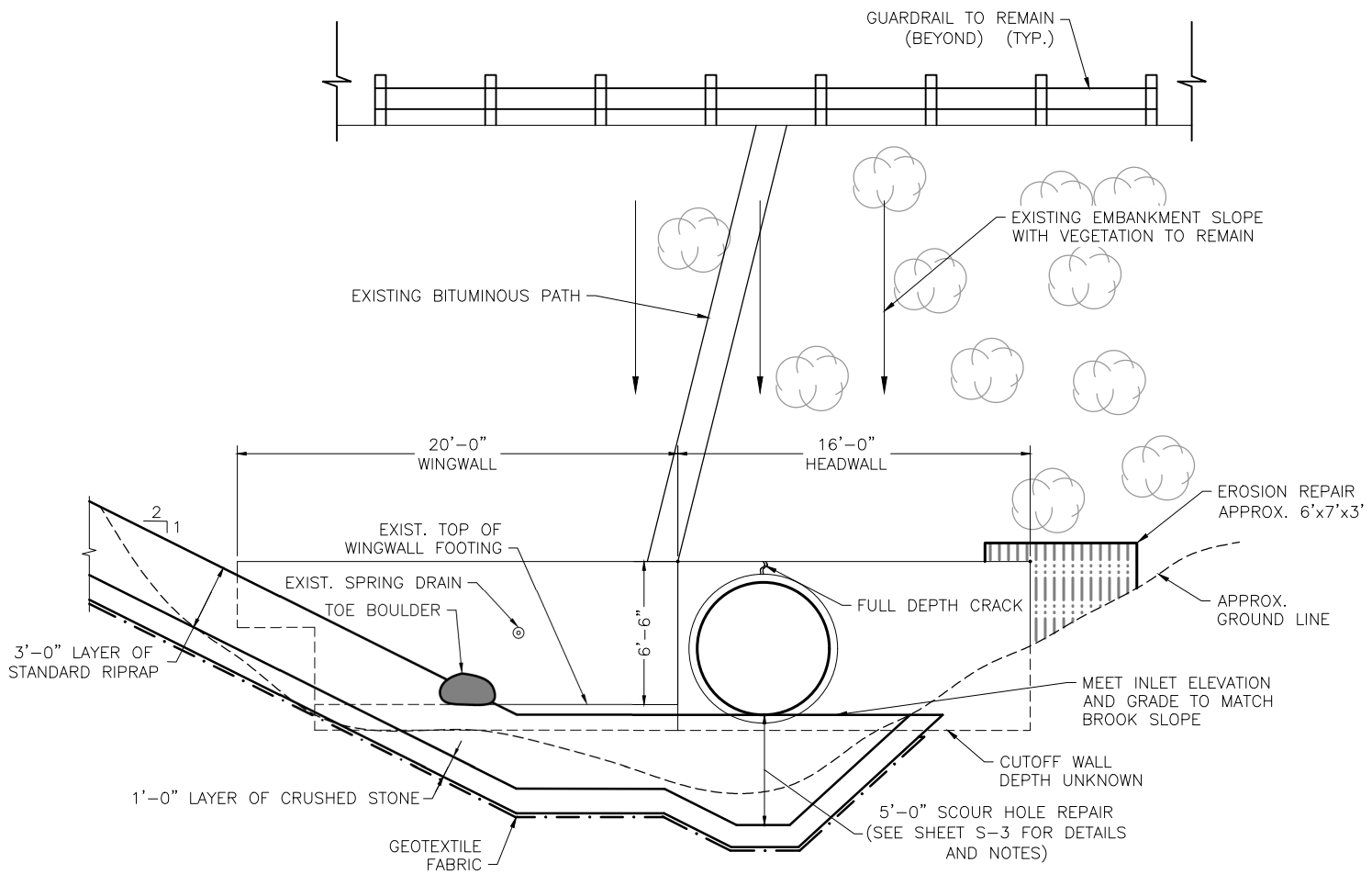
TOWN OF PUTNAM, CT
BRIDGE NO. 115011 WICKER ST. OVER WHEATONS
BROOK RECOMMENDED REPAIRS

CONSTRUCTION AND EROSION
CONTROL PLAN

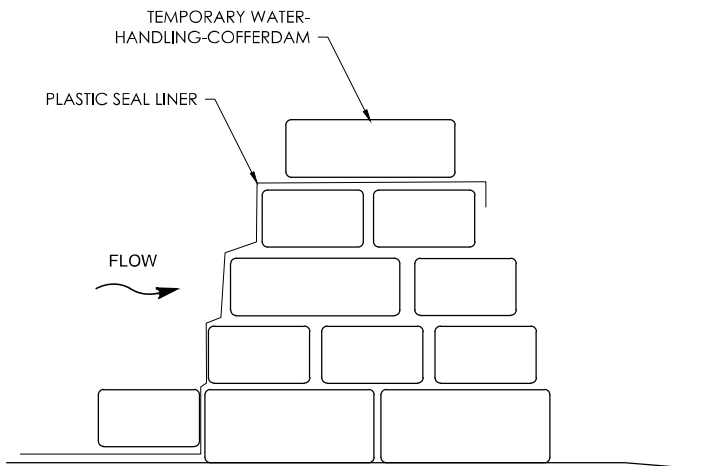
PROJECT NO. 262470-317485
FILE NAME:
SHEET NO. S-2



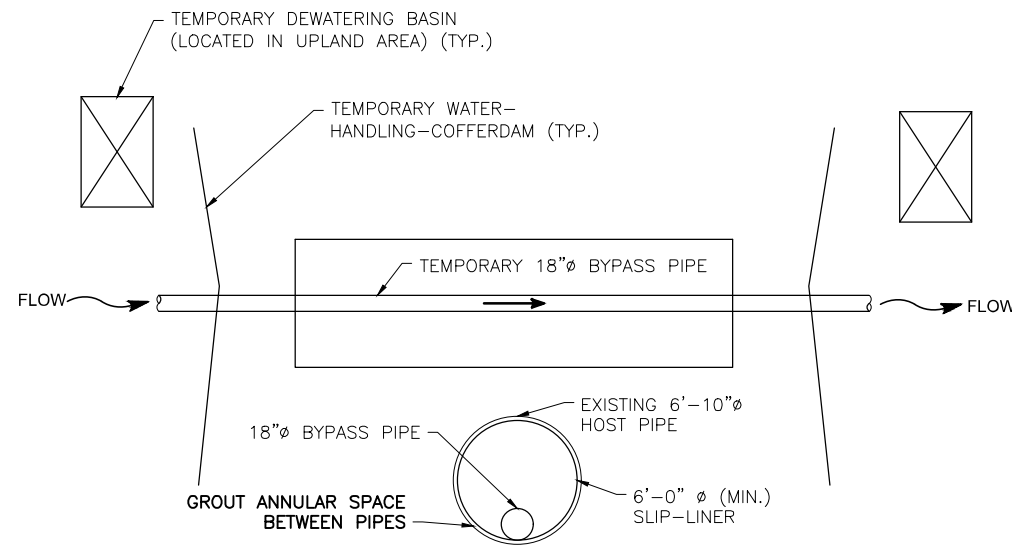
FAST ELEVATION
SCALE: 1/4" = 1'-0"



UNFOLDED WEST ELEVATION
SCALE: 1/4" = 1'-0"



WATER-HANDLING COFFERDAM
NTS



TEMPORARY PIPE THROUGH EXISTING CULVERT
NTS

WATER HANDLING NOTES:

1. THE CONTRACTOR SHALL MAINTAIN WATER THROUGH THE TEMPORARY WATER HANDLING SYSTEM AS REQUIRED DURING CONSTRUCTION OF THE NEW LINING. CONTRACTOR HAS THE CHOICE OF EITHER UTILIZING TEMPORARY PIPE THROUGH EXISTING CULVERT OR TEMPORARY PUMPING. BOTH OPTIONS ARE COVERED UNDER THE ITEM "HANDLING WATER."
2. DEWATERING BASINS SHALL BE ESTABLISHED OUTSIDE OF THE WETLAND LIMITS. THE LOCATION OF THE DEWATERING BASINS ARE APPROXIMATE. THE EXACT POSITION MAY VARY BASED ON THE PUMPING DESIGN SUBMISSION APPROVED BY THE ENGINEER.
3. TEMPORARY WATER-HANDLING-COFFERDAMS SHALL CONSIST OF AN APPROVED SYSTEM THAT THE CONTRACTOR ELECTS TO USE WHICH WILL SAFELY CONVEY WATER FLOWS THROUGH THE CONSTRUCTION AREA, SHALL BE ABLE TO SUPPORT CONSTRUCTION ACTIVITY AND SHALL CONFORM TO PERMITS. ANY WATER HANDLING SCHEME DEPICTED WITHIN THE DEPARTMENTS 'HANDLING WATER TYPICAL SCHEMATICS' MAY BE UTILIZED UNLESS SPECIFICALLY PROHIBITED. A MEANS AND METHODS FOR WATER HANDLING SYSTEM SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER FOR APPROVAL. THE INSTALLATION AND REMOVAL OF TEMPORARY WATER-HANDLING-COFFERDAMS CAN OCCUR AT ANY TIME OF THE YEAR.
5. ANY STORM DRAINAGE DISCHARGING INTO A CONFINED WORK AREA FROM EXISTING DRAINAGE SHALL BE DIVERTED OR PUMPED OUTSIDE THE CONFINED AREAS. PUMPS/PIPES SHALL BE SIZED BY THE CONTRACTOR TO HANDLE THE EXPECTED FLOWS AND BE DISCHARGED TO A STABLE LOCATION. THE CONTRACTOR SHALL SUBMIT THE MEANS AND METHODS OF HANDLING STORM DRAINAGE TO THE ENGINEER FOR APPROVAL AND IS INCLUDED AS PART OF WATER HANDLING.
6. IF A PUMP SYSTEM IS PROPOSED DURING LOW FLOW CONDITIONS, PUMP SYSTEM PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.

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REV. NO.	DATE	DRWN	CHKD	REMARKS

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DRAWN BY: E. PETERSON
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APPROVED BY: M. EGAN
DATE: JUNE 2026

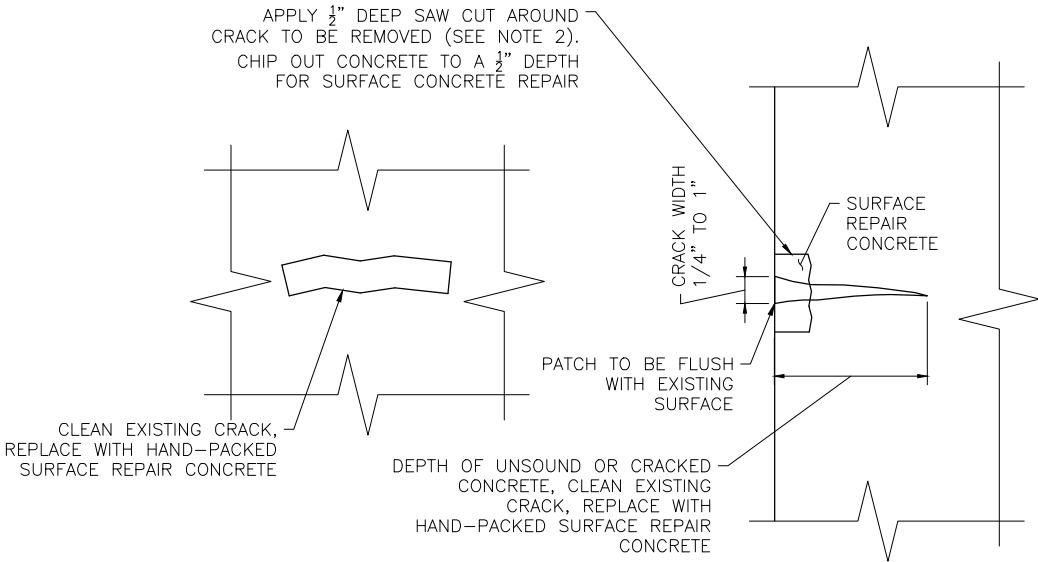
CDM Smith
101 East River Drive, Suite 1A
East Hartford, CT 06108
Tel: (860) 529-7615



TOWN OF PUTNAM, CT
BRIDGE NO. 115011 WICKER ST. OVER WHEATONS
BROOK RECOMMENDED REPAIRS

**HEADWALL ELEVATION AND
WATER HANDLING DETAILS**

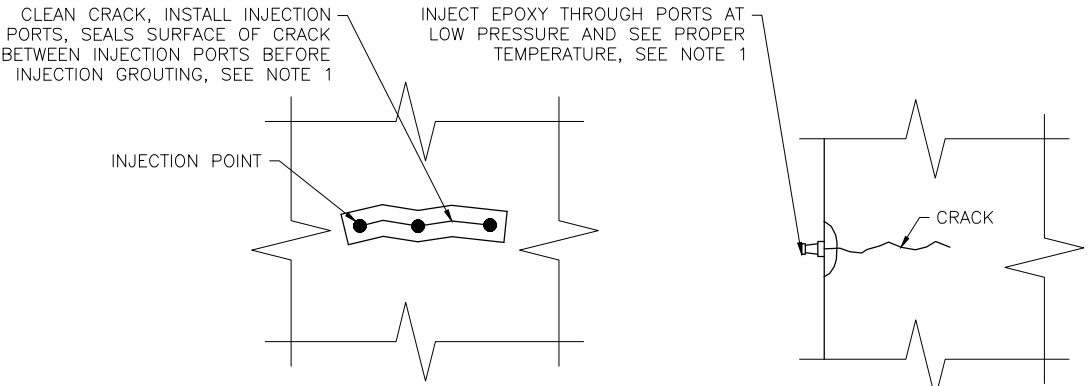
PROJECT NO. 262470-317485
FILE NAME:
SHEET NO. **S-3**



ELEVATION

SECTION

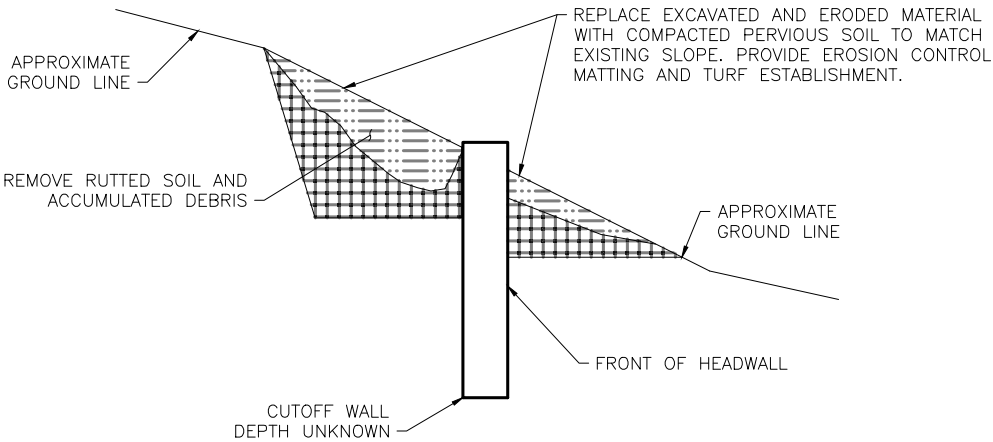
CRACK REPAIR DETAILS
CRACK 1/4" – 1" WIDE
SCALE: NTS



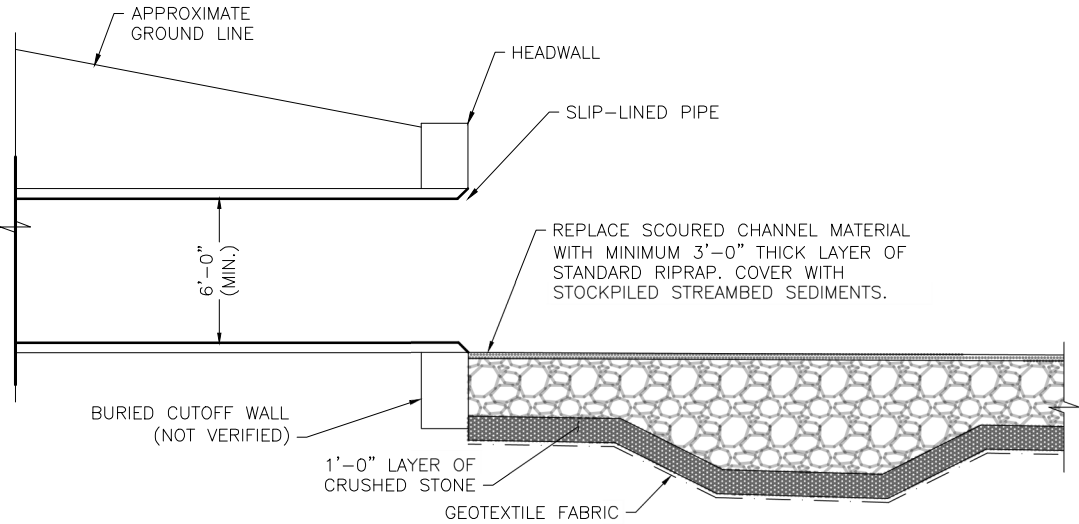
ELEVATION

SECTION

CRACK REPAIR DETAILS
CRACK 1/16" – 1/4" WIDE
SCALE: NTS



SECTION THROUGH HEADWALL
SCALE: NTS



SECTION THROUGH CHANNEL
SCALE: NTS

CRACK REPAIR NOTES:

1. SEE SPECIAL PROVISIONS FOR THE ITEM "EPOXY INJECTED CRACK REPAIRS"
2. THE COST OF 1/2" DEPTH SAW CUT SHALL BE INCLUDED IN THE ITEM "SURFACE REPAIR CONCRETE."
3. FOR CRACKS WITH WIDTHS GREATER THAN OR EQUAL TO 1/4", THE CONCRETE AROUND THE CRACKS SHALL BE CHIPPED OUT AND PATCHED WITH "SURFACE REPAIR CONCRETE." CRACKS WITH WIDTHS LESS THAN 1/16" WILL NOT BE REPAIRED.
4. THE LOCATIONS AND EXTENT OF DETERIORATION SHOWN ON THESE DRAWINGS ARE BASED ON THE PREVIOUS INSPECTION REPORTS AND LIMITED FIELD INVESTIGATION. IT IS INTENDED TO BE USED AS A GUIDE AND DOES NOT NECESSARILY REFLECT THE CURRENT CONDITION OF THE STRUCTURE.
5. THE EXISTING STRUCTURE INFORMATION, INCLUDING DIMENSIONS SHOWN ON THESE DRAWINGS IS BASED ON INSPECTION FIELD MEASUREMENTS AND ARE NOT GUARANTEED.
6. REPAIR CRACKS BETWEEN 1/16" AND 1/4" SHALL BE INCLUDED IN THE ITEM "EPOXY INJECTION CRACK REPAIR".

PLACED STANDARD RIPRAP NOTES:

1. THE CONTRACTOR SHALL PREPARE THE SUBSTRATE WHERE THE PLACED RIPRAP IS TO BE LOCATED BY REMOVING ALL DEBRIS. STOCKPILE EXCAVATED STREAMBED SEDIMENTS FOR TOP LAYER OF RIPRAP SCOUR REPAIR.
2. THE SUBSTRATE SHOULD BE EXCAVATED TO THE DEPTH OF THE SCOUR HOLE, LEVELED AND SLOPED UP ON A 2:1 SLOPE FOR PLACEMENT OF THE GEOTEXTILE FABRIC, CRUSHED STONE LAYER AND RIPRAP.
3. THE CONTRACTOR MAY WORK BY HAND USING A SQUARE SHOVEL TO LEVEL THE SUBSTRATE PRIOR TO PLACEMENT OF THE RIPRAP. CARE SHALL BE TAKEN TO NOT OVERWORK THE REPAIR LOCATION CAUSING THE TRANSPORT OF SEDIMENT DOWNSTREAM.
4. THE RIPRAP SHALL BE PLACED TIGHTLY AGAINST ONE ANOTHER TO PROMOTE INTERLOCKING OF THE EDGES.
5. RIPRAP SHALL BE STACKED AS REQUIRED TO BUILD-UP THE CHANNEL BOTTOM, HOWEVER THE RIPRAP MUST NOT BE POSITIONED HIGHER THAN THE NATURAL BOTTOM OF THE CHANNEL. PROVIDE ADEQUATE SPACE FOR PLACING STOCKPILED STREAMBED SEDIMENTS OVER THE PLACED STANDARD RIPRAP.

REPLACED SOIL NOTES:

1. THE CONTRACTOR SHALL PREPARE THE SOIL BY REMOVING ANY BUILDUP OF DEBRIS AND VEGETATION. THE EXISTING SOIL SHALL BE SCORED AND ROUGHENED TO BREAK UP EROSION RUTS AND TOPSOIL PRIOR TO PLACEMENT OF NEW PERVIOUS SOILS.
2. THE PERVIOUS SOIL SHALL BE PLACED IN 6-INCH MAXIMUM LIFTS AND COMPACTED USING A HANDHELD COMPACTION TAMPER. THE FINISHED COMPACTED SOIL LAYER SHOULD BE WITHIN 1-INCH OF THE TOP OF HEADWALL ELEVATION.
3. CONTRACTOR SHALL SOW AN APPROVED SEED MIX AND INSTALL EROSION CONTROL MATTING TO PROMOTE GROWTH.

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REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: E. PETERSON
DRAWN BY: E. PETERSON
SHEET CHK'D BY: J. FLIETSTRA
CROSS CHK'D BY: M. EGAN
APPROVED BY: M. EGAN
DATE: JUNE 2026

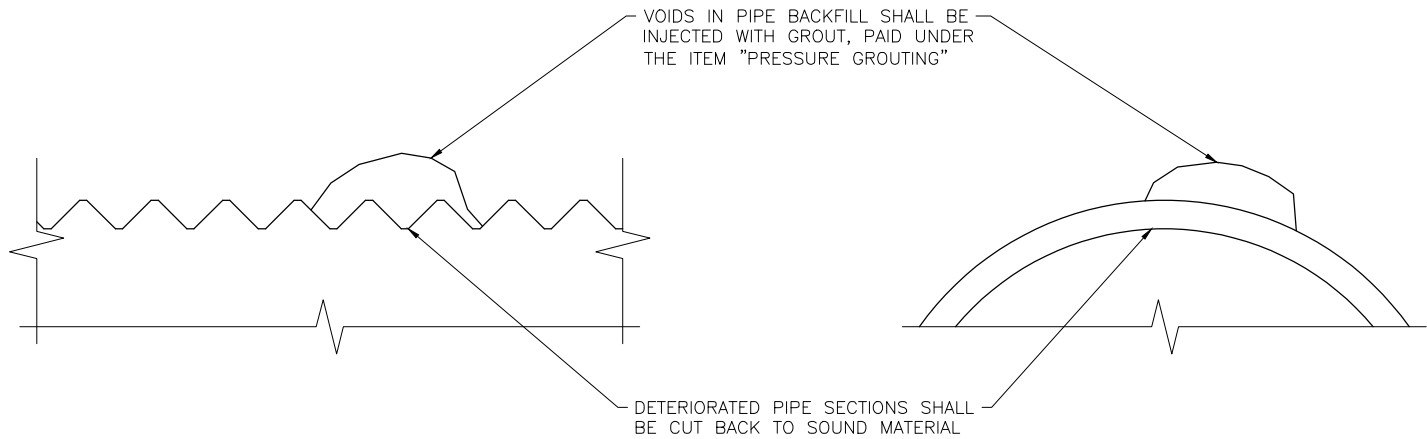
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TOWN OF PUTNAM, CT
BRIDGE NO. 115011 WICKER ST. OVER WHEATONS
BROOK RECOMMENDED REPAIRS

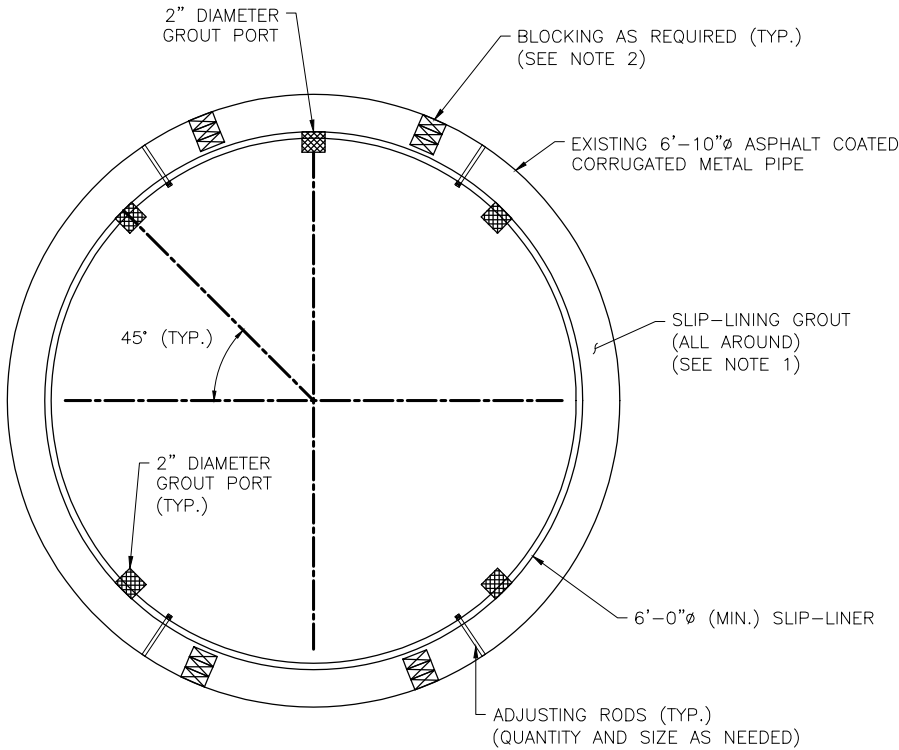
CONCRETE REPAIR AND
EROSION REPAIR DETAILS

PROJECT NO. 262470-317485
FILE NAME:
SHEET NO.
S-4

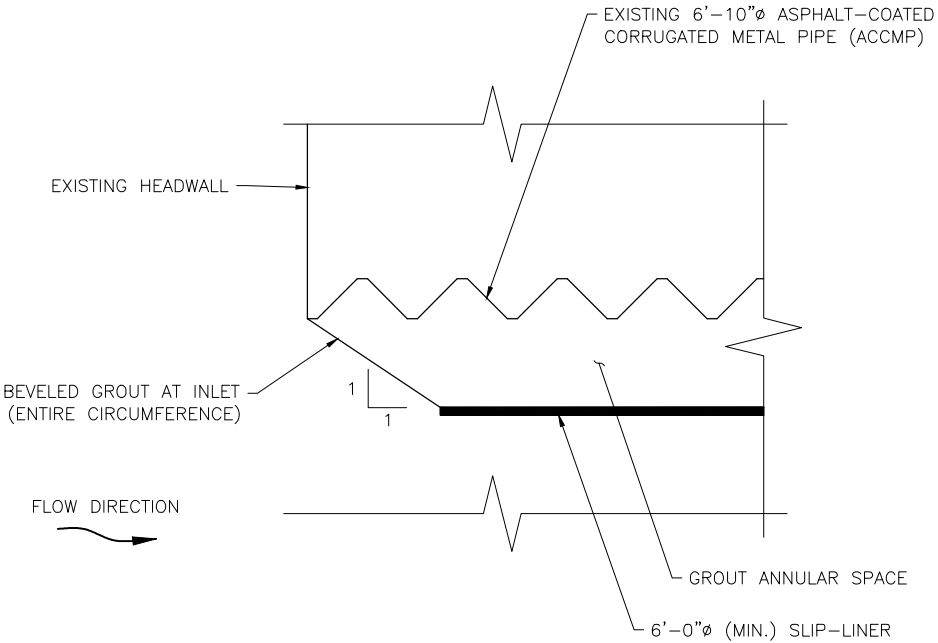


PIPE REPAIR DETAILS
SCALE: NTS

- NOTES:
1. CONTRACTOR SHALL REMOVE GROUT PORTS PRIOR TO BYPASS PIPE REMOVAL. PAID UNDER THE ITEM "SLIP-LINING GROUT".
 2. ALTERNATIVES TO BLOCKING MAY BE USED BETWEEN HOST AND SLIP-LINED PIPE SUCH AS SKID RAILS (SEE SPECIAL PROVISIONS). HARDWARE PENETRATING THE PIPE WALL TO ATTACH THE BLOCKING IS NOT PERMITTED.
 3. THE CONTRACTOR SHALL NOTE THAT THERE MAY BE DEFORMATIONS IN THE EXISTING PIPE. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING CLEARANCES BY PERFORMING A MANDREL TEST AND VERIFY THAT THE PROPOSED MEANS AND METHODS OF CONSTRUCTION WILL FACILITATE INSTALLATION OF THE PIPE CONSTRUCTION. THIS WORK SHALL BE PAID UNDER THE ITEM "CLEAN EXISTING CULVERT - GREATER THAN 42" DIAMETER."
 4. VOIDS OR SERIOUS DETERIORATION IN THE HOST PIPE SHALL BE FILLED WITH HYDRAULIC CEMENT OR APPROPRIATE MATERIAL AS DIRECTED AND APPROVED BY THE ENGINEER. THIS WORK SHALL BE PAID UNDER THE ITEM "PRESSURE GROUTING".
 5. ADJUSTING RODS ARE USED TO POSITION THE PROPOSED SLIP-LINED PIPE INSIDE THE EXISTING HOST PIPE. THE ADJUSTING RODS ARE NOT INTENDED TO PREVENT MOVEMENT DURING THE GROUTING PROCESS, WHICH IS THE PURPOSE OF THE BLOCKING OR SKID RAILS.
 6. CONTRACTOR SHALL REMOVE GROUT PORTS PRIOR TO BYPASS PIPE REMOVAL, PAID FOR UNDER THE ITEM "SLIP-LINING GROUT."



CULVERT SECTION
SCALE: NTS



PIPE BEVEL DETAIL
SCALE: NTS

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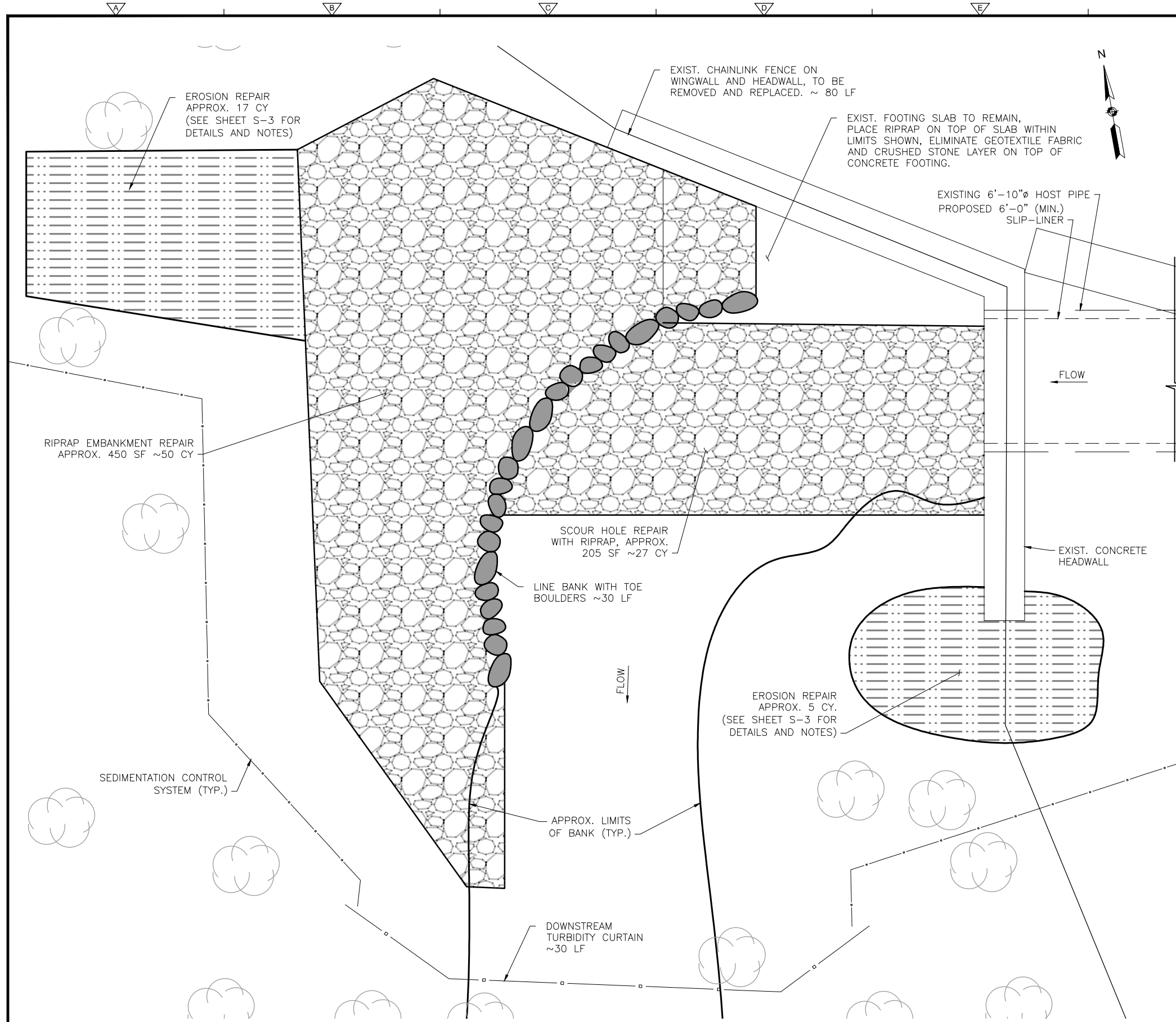


TOWN OF PUTNAM, CT
BRIDGE NO. 115011 WICKER ST. OVER WHEATONS
BROOK RECOMMENDED REPAIRS

SLIP-LINING REPAIR DETAILS

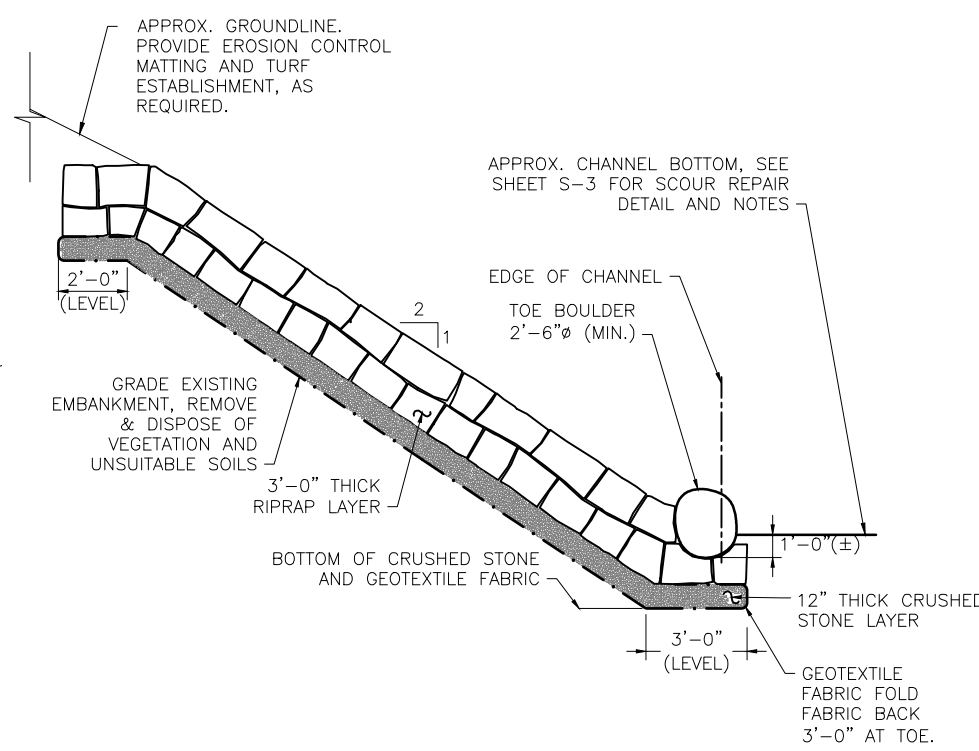
PROJECT NO. 262470-317485
FILE NAME:
SHEET NO.
S-5

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NOTES:

1. FOR LIMITS OF SEDIMENTATION CONTROL BARRIER SEE SHEET S-2.
2. FOR TREE REMOVALS PAID UNDER THE ITEM "SELECTIVE CLEARING AND THINNING", CONTRACT SHALL MEET WITH THE ENGINEER AND TOWNS' TREE WARDEN TO IDENTIFY TREES THAT REQUIRE REMOVAL FROM THE SITE.
3. FOR EROSION REPAIRS, PROVIDE EROSION CONTROL MATTING AND FOR TURF REESTABLISHMENT.
4. RESTORE LAYDOWN, STOCKPILE, DEWATERING BASINS, AND CONSTRUCTION EQUIPMENT ACTIVE AREAS WITH EROSION CONTROL MATTING (AS REQUIRED) AND TURF ESTABLISHMENT.



SCOUR AND EROSION REPAIRS - PLAN VIEW
SCALE: 1/8" = 1'-0"

RIPRAP EMBANKMENT SLOPE REPAIR - SECTION
SCALE: 1/4" = 1'-0"

REV. NO.	DATE	DRWN	CHKD	REMARKS

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TOWN OF PUTNAM, CT
BRIDGE NO. 115011 WICKER ST. OVER WHEATONS
BROOK RECOMMENDED REPAIRS

RIPRAP REPAIR DETAILS

PROJECT NO. 262470-317485
FILE NAME:
SHEET NO. S-6

ITEM # 0210306A - TURBIDITY CONTROL CURTAINS

Description: This work consists of furnishing, assembling, installing, relocating, maintaining, and removing turbidity control curtains to minimize the drift of suspended sediment within the watercourse. The layout of the turbidity control curtains shall be as indicated on the plans, permits or as directed by the Environmental Scientist from the Office of Environmental Planning (OEP) or their authorized delegate.

Materials: The Contractor shall use Type 3 Permeable Turbidity Barriers when working within tidally influenced waters.

Length: The length of the turbidity control curtain shall be as specified in the plans, permit.

Fabric: Turbidity control curtains fabric shall consist of 22 oz./yd² Nylon reinforced Vinyl Fabric (PVC), with UV inhibitors. The material shall have a tensile strength of not less than 200 lbs. when measured lengthwise or crosswise.

Skirt Depth: The depth of the skirt shall be measured to maintain a 1-foot offset above the bottom of the watercourse at all locations during high tide.

Color: The color of the turbidity control curtains shall be yellow.

Seams: All horizontal seams shall be 100% heat welded and all vertical seams shall be 100% RF welded.

Flotation Units: The flotation unit shall be a 12 inch polystyrene float with a buoyancy of 50 lbs./ft² and shall be capable of keeping the turbidity control curtain at a minimal elevation of 3 inches above the water line.

Top Tension Cables: The top tension cable shall be 5/16 inch galvanized steel cable placed on each side of the curtains. The breaking strength of the tension cable shall be 10,000 lbs. per cable with a total breaking strength of 20,000 lbs.

Bottom Ballast Chain: The bottom ballast chain shall be 3/8 inch galvanized steel chain placed at the bottom of the skirt. The chain shall be finished on both ends with stress plates with a 1-ton hook on one end and ring on the other end. The breaking strength shall be 10,600 lbs. and the weight shall be 1.50 lb./ft.

Fasteners: The top 18 inches shall consist of marine grade aluminum slide connectors and grommets for lacing from below the connector to the bottom edge of skirt. The edges shall be reinforced with 5/8 inch poly rope with a minimum breaking strength of 800 lbs.

Anchors: The anchor shall consist of a leader chain, nylon rope, heavy duty marker buoy and 6 feet of painted line. The anchor can be a grappling hook, plow or fluke-type that digs into the watercourse bottom/harbor. The nylon rope shall act as an anchor line between the anchor and buoy. The anchor line shall have enough slack to allow the barrier to float freely with tidal changes

without pulling the curtain below the water surface. The anchors shall be placed every 50 to 100 feet. Alternate anchoring methods such as heavy concrete weights, driven pilings, or stakes may be used, if approved prior to use by the Environmental Scientist or their authorized delegate.

Product Data: Prior to any watercourse disturbance within the Project limits, the Contractor shall submit to the Environmental Scientist for review and approval, through the Engineer, Product Data for the Type 3 Permeable Turbidity Barriers to be used. Within 30 days of receipt of the submittal, the Engineer will notify the Contractor whether the submittal is approved, rejected or requires modifications. If any part of the proposed barriers are not approved, the Contractor shall promptly make any necessary changes and re-submit for approval. The proposed barriers must be approved in writing prior to beginning any in-water work on the Project.

Construction Methods: When assembling and installing turbidity control curtains, the Contractor shall follow the directions of the manufacturer.

Unless otherwise directed by the Environmental Scientist or their authorized delegate, the Contractor shall begin installation at high tide from a shoreline anchorage and work with the current in a downstream direction.

The turbidity control curtains shall form a continuous vertical and horizontal barrier able to contain suspended sediment or turbidity within the watercourse. The bottom skirt shall be suspended a minimum of 12 inches above the bottom of the watercourse for the entire length of the turbidity curtains at high tide.

Installation of Turbidity Curtains: The turbidity control curtains shall be floated into position, attached to the anchor lines, and then unfurled.

The Contractor shall securely attach curtain panel ends together using rope lashings. The top lashing shall be securely tied to the anchor line.

The Contractor shall place the anchors such that the turbidity control curtains remain in the proper location and none of the flotation devices are pulled under the water surface. If directed by the Engineer, the Contractor shall supply and place additional anchorage.

Maintenance of Turbidity Curtains: Throughout the Project duration, the Contractor shall maintain the turbidity control curtains so that no sediment caused by the Project enters the watercourse beyond the limits of the turbidity control curtains.

Turbidity control curtains damaged prior to installation, during installation, or during the life of the Contract shall be repaired or replaced to the satisfaction of the Environmental Scientist or their authorized delegate.

Removal of Turbidity Curtains: The turbidity control curtains shall remain in place until all regulated in-water work for the Project is complete.

When directed by the Environmental Scientist or their authorized delegate, the turbidity control curtains shall be furled in place, then released from the anchors and towed out of the water. The turbidity control curtains and all materials incidental to the assembly of the turbidity control curtains shall be removed in such a manner as to minimize turbidity within the watercourse.

The turbidity control curtains and related components shall be removed from the Project and shall become the property of the Contractor after removal.

Method of Measurement: This work will be measured for payment by the actual number of linear feet of turbidity control curtains installed and accepted.

Basis of Payment: Payment for this work will be made at the Contract unit price per linear foot of "Turbidity Control Curtains," completed in place, which shall include all materials, equipment, tools and labor incidental to the furnishing, assembling, installing, maintaining, relocating and removing of the turbidity control curtains.

Pay Item	Pay Unit
Turbidity Control Curtains	l.f.

ITEM #0703040A - PLACEMENT OF TOE BOULDERS

Description: Work under this item shall consist of furnishing and placing boulders within an existing or proposed channel bed to improve or create aquatic habitat and to support streambank stabilization efforts through the proposed Site. This item shall also include maintaining a stockpile of the material on the Site, placement of the stockpiled material in the channel, and the removal and proper disposal of all unused and unacceptable material.

Materials: The individual toe boulder type and size used shall be as noted on the plans or as directed by the Engineer. The mineral composition and color of the boulders selected shall replicate, to the extent possible, the existing boulders on-Site consisting of gray with gray/blue hues or other acceptable colors approved by Engineer.

Individual boulder material for this item shall be sound, durable and free from decomposed stones or other defects impairing durability, and shall be resistant to the action of air and water.

Material the Contractor proposes to use must be inspected and approved by the Engineer or their authorized delegate prior to the excavation of existing on-Site material within the Project limits or hauling of material from an off-Site source. The Contractor shall provide the Engineer at least 10 work days' notice for the inspection and approval of the individual boulders.

The following will **NOT** be accepted:

- individual boulders consisting of sandstone, shale, or other rock material prone to disintegration
- boulders with visible cracks or spalling
- rock excavated from ledge (bedrock) formations or broken from larger boulders
- boulders with sharp corners, angular edges, or edges as a result of cutting or crushing operations
- broken concrete.

Construction Methods: The Contractor shall submit for the Engineer's approval a proposed location plan for stockpiling the toe boulders. The proposed location shall be suitable in size and upland of the channel to minimize disruption to the channel or impact to wetland areas caused by moving the materials to and from the stockpile during the placement of material. The stockpile area shall be prepared in accordance with the "Required Best Management Practices" in Article 1.10.03.

Prior to installation, the Contractor shall stake out the centerline for the placement of the toe boulders by indicating each end location and shall notify the Engineer field for a review. The final location will be at the discretion of the Engineer or their authorized delegate.

The Contractor shall provide the Engineer at least 10 work days' notice prior to initiating the placement of the toe boulders. The work and placement of the toe boulders shall be in the locations indicated on the plans or as directed by the Engineer or their authorized delegate. No work on the

toe boulder placement will be allowed on-Site without the presence of the Engineer or their authorized delegate in order to oversee the construction activities.

Equipment: When placing and maneuvering the boulders within the channel or embedding boulders into the streambank, the Contractor shall use an excavator with a bucket and thumb. Any other equipment proposed to be used shall be reviewed and approved in advance by Engineer or their authorized delegate.

All disturbed areas, including the stockpile area, shall be permanently stabilized using approved sediment and erosion control measures and in accordance with the required "Erosion and Sedimentation Control Plan".

Method of Measurement: This work will be measured for payment by the total linear feet of toe boulders installed and accepted, including disposal of unacceptable and surplus materials.

Basis of Payment: This work will be paid for at the Contract unit price for "Placement of Toe Boulders," completed and accepted. The price shall include all materials, equipment, tools and labor incidental to the preparation of the stockpile area, excavation of channel bottom, hauling of the material to the stockpile, separation of any rock ledge or concrete debris, and storing and protecting (including sedimentation controls and covering) of excavated material.

Pay Item	Pay Unit
Placement of Toe Boulders	l.f.