INLAND WETLANDS
COMMISSION
Telephone (203) 563-0180
Fax (203) 563-0284

TOWN HALL
238 Danbury Road
Wilton, Connecticut 06897

APPLICATION FOR AN INTERMEDIATE REGULATED ACTIVITY

For Office Use Only:

WET#_____

Filing Fee $_____ Wilton Land Record Map# _____

Date of Submission _____ Volume # _____ Page # _____

Date of Acceptance_____ Assessor's Map # _____ Lot# _____

APPLICANT INFORMATION:

Applicant Joseph Kropf

Address 26 Ledgewood Drive
Wilton, CT, 06897

Telephone (203)856-2055

Email Joe@wiltonfamilyeyecare.com

Agent (if applicable) McChord Engineering

Address 1 Grumman Hill Road
Wilton, CT, 06897

Telephone (203)834-0569

Email Tnelson@mcchordengineering.com

PROJECT INFORMATION:

Property Address 26 Ledgewood Drive

Acres of altered Wetlands On-Site 0.0085

Linear Feet of Watercourse 40'

Linear Feet of Open Water 0

Sq. Ft. of proposed and/or altered impervious coverage 0

Site Acreage 2.01

Cu. Yds. of Material Excavated 85

Cu. Yds. of Material to be Deposited 92

Acres of altered upland buffer 0.08

Sq. Ft. of disturbed land in regulated area 3,315

APPLICATION REQUIREMENTS:

Is The Site Within a Public Water Supply Watershed Boundary? NO [✔] YES* [ ]

Is The Site Within 500 Feet of a Town Boundary? NO [✔] YES* [ ]

* If the answer is yes, then the applicant is responsible for notifying the appropriate water authority and/or adjoining community's Wetlands Department. Instructions for notification are available at the office of the commission.

Project Description and Purpose: Culvert replacement for an existing private driveway.

In addition, the applicant shall provide nine (9) collated copies of the following information as well as an electronic submission via email to mike.conklin@wiltonct.org & elizabeth.larkin@wiltonct.org **

- [x] A. Written consent from the owner authorizing the agent to act on his/her behalf
- [x] B. A Location Map at a scale of 1" = 800'
- [x] C. ***A Site Plan showing existing and proposed features at a scale not to exceed 1" = 40'***
- [ ] D. Sketch Plans depicting the alternatives considered
- [x] E. Names and addresses of adjoining property owners
- [x] F. A narrative describing, in detail

  a. the proposed activity
  b. the alternatives considered
  c. impacts
  d. proposed mitigation measures

- [x] G. Soils Report prepared by a Certified Soil Scientist and Wetlands Map prepared by a Registered Land Surveyor
- [x] H. Description of the chemical and physical characteristics of fill material to be used in the Regulated Area
- [x] I. Description and maps detailing the watershed of the Regulated Area
- [x] J. One original application and eight (8) copies

****Application materials shall be collated and copies of documents more than two pages in length shall be double sided.**

See Section 7 of the Wetlands and Watercourses Regulations of the Town of Wilton for a more detailed description of applications requirements.

The Applicant or his/her agent certifies that he is familiar with the information provided in this application and is aware of the penalties for obtaining a permit through deception, inaccurate or misleading information.

By signing this application, permission is hereby given to necessary and proper inspections of the subject property by the Commissioners and designated agents of the Commission or consultants to the Commission, at reasonable times, both before and after a final decision has been rendered.

Applicant's Signature: *See Attached* Date: 05/12/2023

Agent's Signature (if applicable): Date: 05/12/2023

Joseph Kropf
26 Ledgewood Drive
Wilton, CT 06897

May 12, 2023

Michael Conklin
Director of Environmental Affairs
Town Hall Annex
238 Danbury Road
Wilton, CT 06897

Re: Proposed Culvert Replacement
26 Ledgewood Drive, Wilton, CT
Map 128, Lot 24

Dear Mr. Conklin,

I hereby authorize McChord Engineering Associates, Inc. (MEA), to act as agent in regard to the Inland Wetlands Application and authorize all subject property activities associated with the proposed culvert replacement.

Please be advised that Inland Wetlands Commission members and their designated agents or consultants are hereby given permission for necessary and proper inspections of the subject property, at reasonable times, both before and after a final decision has been rendered.

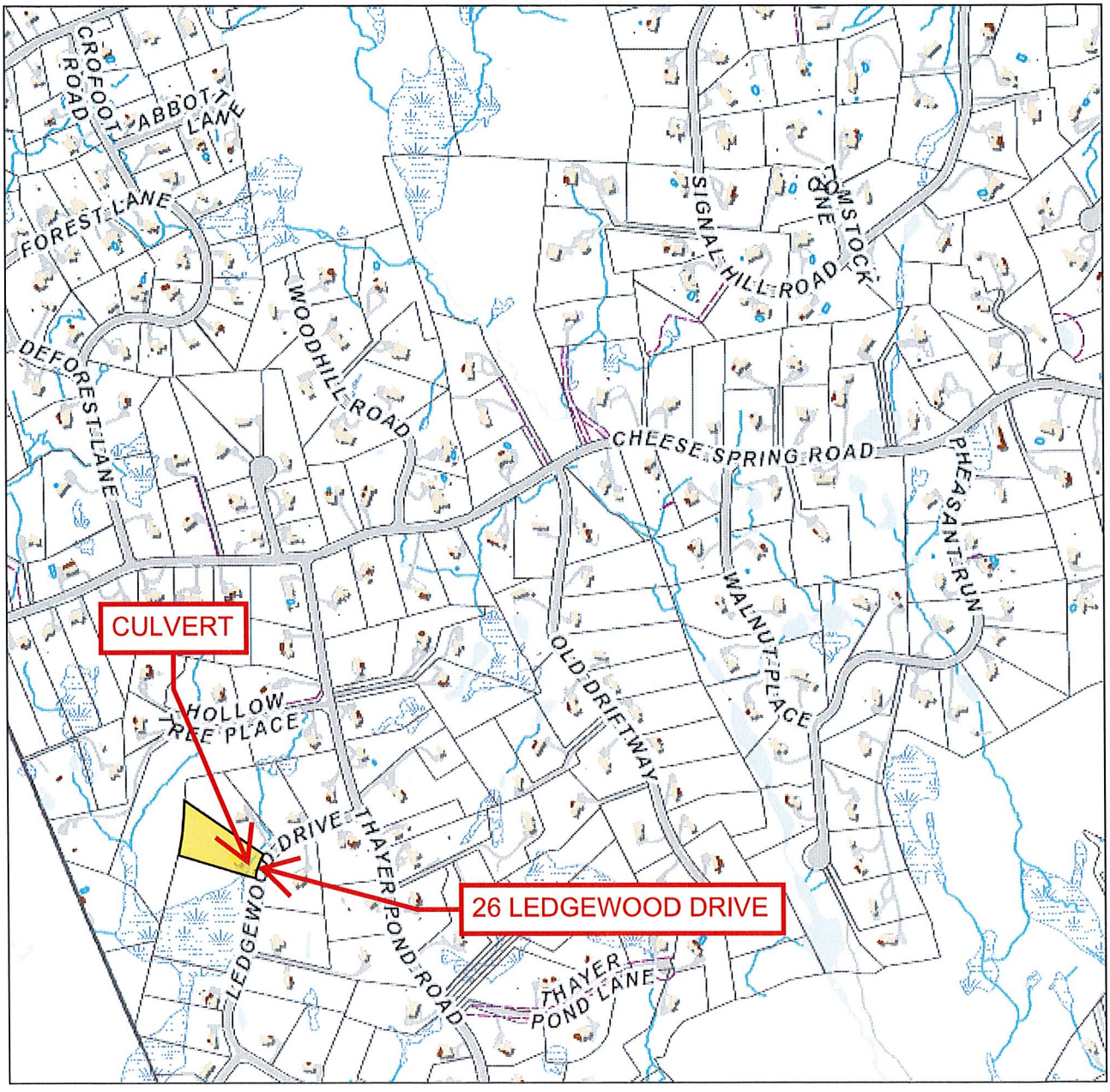
Sincerely,

Joseph Kropf

Town of Wilton

Geographic Information System (GIS)

LOCATION MAP
26 LEDGEWOOD DRIVE, WILTON, CT



MAP DISCLAIMER - NOTICE OF LIABILITY

This map is for assessment purposes only. It is not for legal description or conveyances. All information is subject to verification by any user. The Town of Wilton and its mapping contractors assume no legal responsibility for the information contained herein.

Zoning Effective: July 28, 2017

Planimetrics Updated: 2014

Approximate Scale: 1 inch = 800 feet

0 800 Feet

N W E S

Adjacent Property Owners within 100' of Property

26 Ledgewood Drive
Wilton, CT 06897
Map 128, Block 24

M-B-L	Property Owner	Mailing Address
128/21	James M. III & Sheila M. Lillis	19 Ledgewood Drive Wilton, CT 06897
128/23	Town of Wilton	238 Danbury Road Wilton, CT 06897
128/25	Kenyon Bailey Jr. Fitzgerald	20 Ledgewood Drive Wilton, CT 06897
128/26	Michael & Andrea Mcelroy	16 Ledgewood Drive Wilton, CT 06897

McChord Engineering Associates, Inc.
Civil Engineers and Land Planners

1 Grumman Hill Road
Wilton, CT 06897
(203) 834-0569

May 15, 2023

Michael Conklin
Director of Environmental Affairs
Town Hall Annex
238 Danbury Road
Wilton, CT 06897

Re: Engineering Summary
Proposed Culvert Repair
26 Ledgewood Drive, Wilton, CT
Map 128, Lot 24

Dear Mr. Conklin:

McChord Engineering Associates, Inc. has been commissioned to prepare a design for the repair of the culvert crossing under the driveway at 26 Ledgewood Drive. This office has inspected the existing culvert, reviewed the contributing watershed, prepared a hydraulic analysis of the culvert pipe and created a repair plan. The following is an engineering summary of the existing conditions, proposed repair and potential impacts.

The existing culvert crossing consists of a single 12" diameter corrugated metal pipe (CMP) and conveys a small brook under the gravel driveway. The driveway is approximately 5.5' above the culvert bottom. The banks along the side of the driveway are very steep and are stabilized by roughly stacked stones and boulders. The gravel driveway is also bordered by staked railroad ties. It is assumed that the culvert was constructed in 1970 when the house was built. Upstream of the culvert the narrow brook meanders through a dense woodland. Downstream of the culvert the brook opens up into a large, wooded wetlands area. The brook itself is approximately 2'-4' wide, with a stone and loam bottom and steep vegetated banks. The existing conditions are shown on the "Topographic Survey" prepared for Joseph Kropf and Irene Rosenberg by John M. Farnsworth & Associates, dated October 2, 2022.

Our inspection of the driveway culvert revealed that the entire flow line of the culvert has rusted out revealing bare earth below. The stone and boulder banks are very crudely constructed but appear to be stable. No significant erosion was noted. The inlet of the culvert is very narrow and therefore it is susceptible to clogging from leaves and sticks. It requires frequent maintenance from the property owners to ensure it won't clog. The attached pictures highlight the conditions of the existing culvert.

The culvert has surpassed its life expectancy and will degrade rapidly if not repaired. Eventually it will collapse, causing blockage of the stream and damage to the driveway. The culvert is too degraded to attempt to reline and too small to sleeve a new pipe through it. Therefore the best option is to replace the culvert completely.

A 24" diameter HDPE pipe is proposed to replace the existing culvert in the same location. The larger diameter pipe will be less prone to clogging and easier to maintain. The stone and boulder slopes will be removed and the stone will be repurposed in the new construction. Two terraced walls will support the banks along the driveway. The lower terrace will consist of 4' high precast concrete or masonry fieldstone headwalls at the pipe inlet and outlet. The upper terrace will consist of a 2' high boulder wall. The boulder wall is also proposed to extend along the edge of the lawn to the north in order to stabilize the existing banks. Additionally the existing gravel parking area will be trimmed back near the southern property line, creating greater separation from the large wetlands area. The "Culvert Repair Plan" prepared for Joseph Kropf and Irene Rosenberg by this office details the proposed work.

The watershed upstream of the culvert crossing totals approximately 14.35 acres. It consists primarily of lightly developed single family residences on 2-acre lots. Portions Ledgewood Drive, Hollow Tree Place and Thayer Pond Road are also within the watershed. The watershed map is attached. The brook is not subject to any FEMA flood zones.

Culvert Studio v 2.0.0.19 software was used to model the culvert under proposed conditions during a 25-year storm event. This software uses FHWA – HDS-5 methodology to compute the hydraulic grade line for the culvert. That rational method was used to determine peak flows during a 25-year storm of 15.26 cfs. The analysis found that the proposed culvert will adequately convey the 25-year storm event. Detailed calculations are attached.

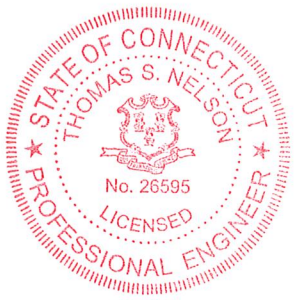
The "Culvert Repair Plan" shows silt fence to protect the stream and banks during construction. It also includes a construction sequence outlining the critical steps of the repair. Work will be staged from the existing driveway which will protect the existing vegetation. One 12" Maple will need to be removed to facilitate construction. Stones and boulders from the existing slopes will be reused in the new construction. It is also anticipated that the soil excavated can be reused for general backfill. Approximately 35 cubic yards of clean aggregate will need to be imported for bedding the new pipe and replacing the disturbed portion of the gravel driveway. Excess material from the project will be removed from the site.

Construction of the project will be timed to work within good weather conditions. Temporary dewatering measures will be required to install the culverts and headwalls. Dewatering will be accomplished by installing a pump intake at the upstream end of the project and pumping to a filter sock at the downstream end. The filter sock will ensure clean water discharge. It is anticipated that the bulk of the repair can be completed within one week and will allow the

owners to regain vehicle access to the house. The completed project, including boulder walls, gravel driveway and stabilization, is anticipated to take three weeks.

The proposed culvert repair is necessary before the culvert fails completely. The proposed culvert crossing is in the same location as the existing culvert and is designed to minimize disturbance to the wetlands and brook. The new culvert will provide improved conveyance capacity and will be easier to maintain. The proposed terraced walls will also improve the long-term stability of the banks and driveway. Proper implementation of the proposed construction sequence and erosion control measures will minimize potential impacts to the stream and downstream property owners during construction.

Sincerely,



Thomas Nelson, P.E.
President

Attachements.

26 LEDGEWOOD DRIVE

Pic 1: Existing Driveway

Pic 2: Existing Edge of Lawn

26 LEDGEWOOD DRIVE

PIC 3: EXISTING CULVERT

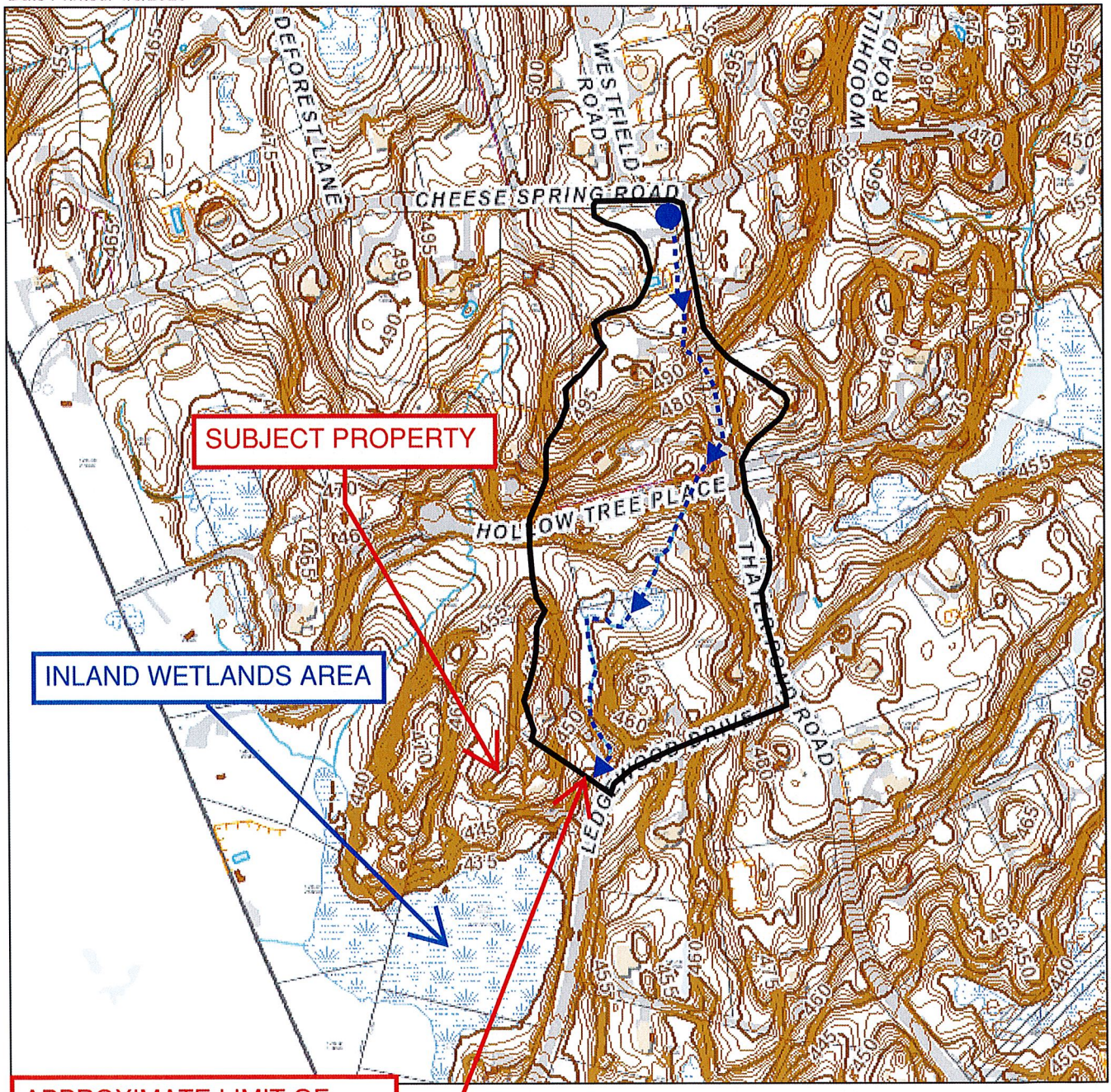
PIC 4: EXISTING STONE SLOPE AT INLET

26 LEDGEWOOD DRIVE, WILTON, CT,
PROPOSED CULVERT WATERSHED.

Town of Wilton

Geographic Information System (GIS)

Date Printed: 4/5/2023



BILITY

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Zoning Effective: July 28, 2017

Planimetrics Updated: 2014

Approximate Scale: 1 inch = 400 feet

0 400 Feet

N W E S

Summary for Subcatchment E1: 26 Ledgewood - Tc Calc

[40] Hint: Not Described (Area=0)

Runoff = 0.00 cfs @ 0.00 hrs, Volume= 0 cf, Depth= 0.00"

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-3.00 hrs, dt= 0.01 hrs
Rainfall Duration=0 min, Inten=0.00 in/hr

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.2	150	0.0367	0.16		**Sheet Flow, AB** Grass: Dense n= 0.240 P2= 3.30"
1.9	165	0.0424	1.44		**Shallow Concentrated Flow, BC** Short Grass Pasture Kv= 7.0 fps
0.4	142	0.0704	5.39		**Shallow Concentrated Flow, CD** Paved Kv= 20.3 fps
0.4	142	0.0704	5.39		**Shallow Concentrated Flow, DE** Paved Kv= 20.3 fps
3.0	161	0.0310	0.88		**Shallow Concentrated Flow, EF** Woodland Kv= 5.0 fps
5.8	820	0.0244	2.34		**Shallow Concentrated Flow, FG** Grassed Waterway Kv= 15.0 fps
26.7	1,580	Total			

Culvert Report

Project filename: Culvert Design.cst

Culvert Studio v 2.0.0.19

06-15-2023

Culvert Repair

Culvert 2

CULVERT

Shape	= Circular
Inlet Edge	= Square Edge/ Hdwall
Material	= HDPE
Manning's n	= 0.012
Rise	= 24 in
Span	= 24 in
Invert Elev. Down	= 184.50 ft
Length	= 30.0 ft
Slope	= 0.020 ft/ft
Invert Elev. Up	= 185.10 ft
No. Barrels	= 1
Plan Skew Angle	= 0 degrees

EMBANKMENT

Top Width	= 16.00 ft
Top Elevation	= Roadway Profile
Crest Length	= Varied

DISCHARGE

Method	= Rational Method
Drainage Area	= 14.35 ac
Runoff Coefficient	= 0.30
Time of Concentration	= 26.7 min

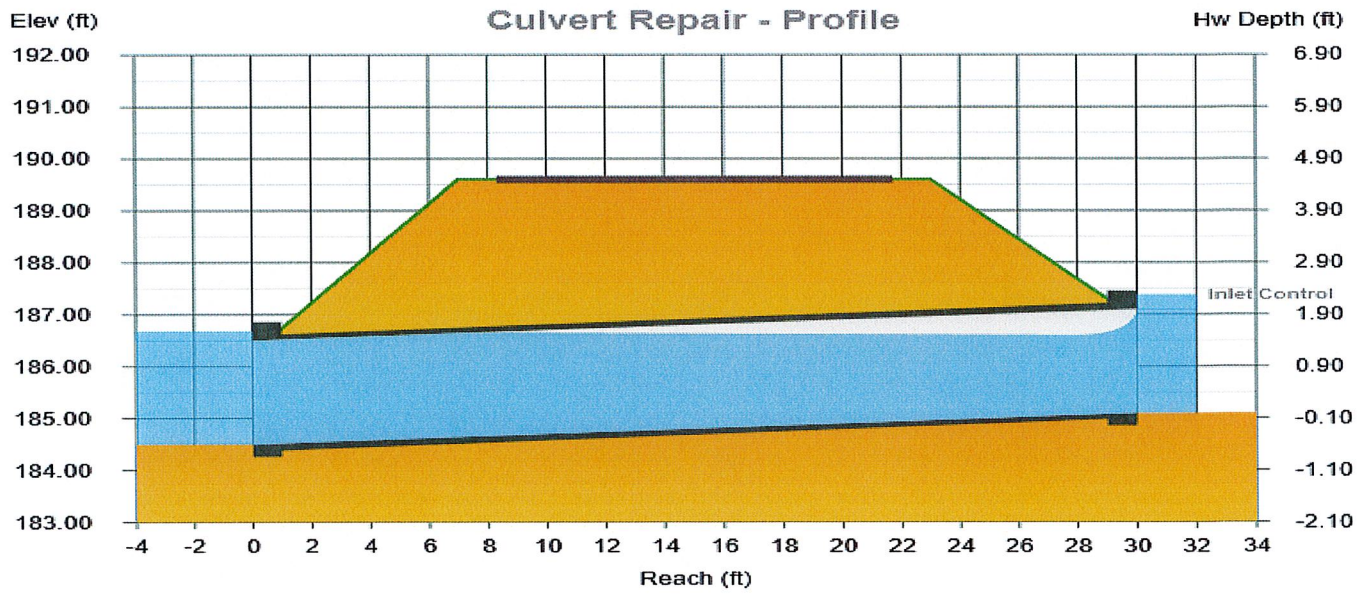
TAILWATER

Tailwater Condition	= Channel 1

CALCULATION SAMPLE, 25 - Year Event

Discharge			Velocity		Depth		HGL @ Hw/D = 1.13		
Total	Culvert	Over Top	Down	Up	Down	Up	Down	Up	Hw
(cfs)	(cfs)	(cfs)	(ft/s)	(ft/s)	(in)	(in)	(ft)	(ft)	(ft)
15.26	15.26	0.00	4.86	6.05	24.0	18.0	186.67	186.60	187.37

Notes:IDF Curves = Atlas14-IDF.idf; Tailwater = Channel 1, Id = Lachat Stream, Velocity = 0.51 ft/s, Tailwater Elev. = 186.67 ft



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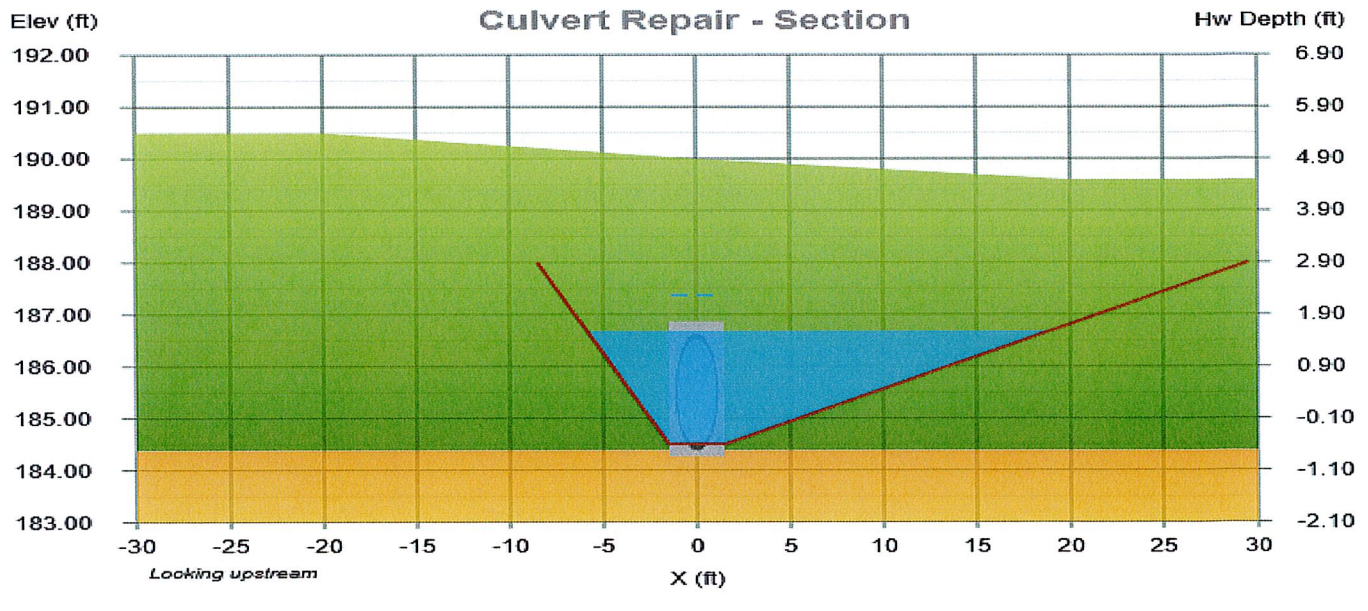


NOTES:

1. EXISTING STRUCTURES, TOPOGRAPHY AND PROPERTY LINE INFORMATION SHOWN HEREON ARE TAKEN FROM THE "TOPOGRAPHIC SURVEY" PREPARED FOR JOSEPH KROPF AND IRENE ROSENBERG BY JOHN M. FARNSWORTH & ASSOCIATES OF BRIDGEWATER, CT, DATED OCTOBER 2, 2022.
2. LOCATIONS OF EXISTING UNDERGROUND STRUCTURES AND UTILITIES INDICATED HEREON ARE TAKEN FROM DESIGN DRAWINGS, FIELD OBSERVATIONS, AND OTHER SOURCES OF INFORMATION AND ARE NOT TO BE CONSTRUED AS AN ACCURATE "AS-BUILT" SURVEY. THE CONTRACTOR SHALL EXCAVATE TEST HOLES, CONTACT "CALL BEFORE YOU DIG", AND PERFORM WHATEVER ADDITIONAL VERIFICATION NECESSARY TO VERIFY THE EXISTING INFORMATION. THE PROJECT ENGINEER SHALL BE PROMPTLY NOTIFIED OF ANY APPARENT CONFLICTS BETWEEN EXISTING UTILITIES AND PROPOSED WORK.
3. THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED REPLACEMENT OF A DETERIORATING DRIVEWAY CULVERT.
4. ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF WILTON STANDARD DETAILS AND SPECIFICATIONS. IN THE ABSENCE OF LOCAL STANDARDS, THE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CONNECTICUT DEPARTMENT OF TRANSPORTATION SPECIFICATION FORM 817, LATEST REVISION.
5. SOIL AND EROSION CONTROL MEASURES SHOWN HEREON SHALL BE PROPERLY INSTALLED PRIOR TO THE START OF CONSTRUCTION, INSPECTED AND REPAIRED WEEKLY AND BEFORE AND AFTER STORM EVENTS, AND MAINTAINED IN FUNCTIONAL CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO THE COMMENCEMENT OF THE WORK.

CONSTRUCTION SEQUENCE:

WORK SHALL COMMENCE IN THE SUMMER OF 2023 AND IS ANTICIPATED TO TAKE APPROXIMATELY 2 WEEKS TO COMPLETE.

1. PRIOR TO THE START OF CONSTRUCTION, A PRE-CONSTRUCTION SITE MEETING SHALL BE HELD ON SITE WITH THE TOWN'S DIRECTOR OF ENVIRONMENTAL AFFAIRS, SITE CONTRACTOR AND PROJECT ENGINEER.
2. COORDINATE WITH PROPERTY OWNERS SO THAT THEY CAN MAKE APPROPRIATE ACCESS ACCOMMODATIONS FOR THE CONSTRUCTION PERIOD.
3. INSTALL SILT FENCE AND ESTABLISH CONSTRUCTION STAGING AREAS.
4. INSTALL TEMPORARY SANDBAG CHECK DAM AND DEWATERING MEASURES.
5. ENSURE SUITABLE WEATHER CONDITIONS BEFORE BEGINNING EXCAVATION. REMOVE BOULDER SLOPE AND STOCKPILE THE STONE IN THE DRIVEWAY FOR REUSE.
6. EXCAVATE THE EXISTING CMP CULVERT AND REMOVE FROM THE SITE. STOCKPILE SUITABLE BACKFILL MATERIAL IN THE DRIVEWAY FOR REUSE.
7. PLACE AND COMPACT BEDDING MATERIAL.
8. INSTALL HEADWALL, ENDWALL AND NEW HDPE CULVERT PIPE AND PLACE INITIAL BACKFILL.
9. PLACE RIP-RAP INLET AND OUTLET PROTECTION.
10. BEGIN RECONSTRUCTION OF BOULDER RETAINING WALLS. PLACE AND COMPACT BACKFILL IN 12" LIFTS IN SUCCESSION WITH THE RETAINING WALL CONSTRUCTION.
11. PLACE PROCESSED STONE DRIVEWAY BASE AND FINISH GRADE.
12. COMPLETE CONSTRUCTION OF BOULDER RETAINING WALL AND REMOVE ALL EXTRA STONE OF BACKFILL MATERIAL FROM THE SITE.
13. TOPSOIL AND SEED ALL DISTURBED AREAS AND PLACE FINISH LAYER OF GRAVEL ON THE DRIVEWAY.
14. REMOVE THE SILT FENCE ONCE THE SITE IS STABILIZED.

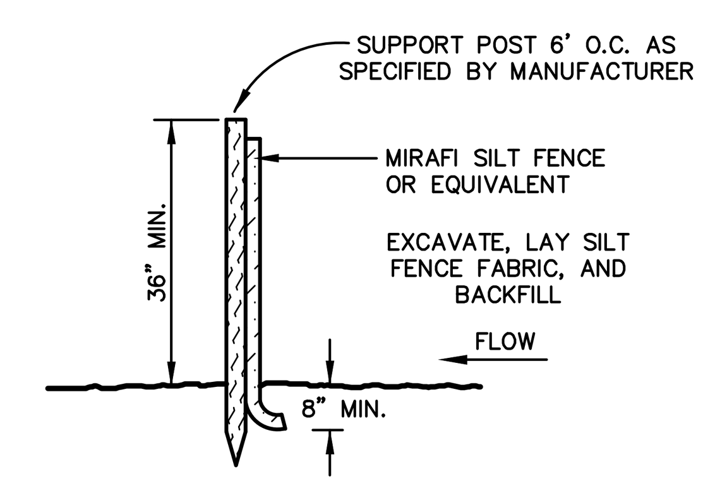
GENERAL SEDIMENT AND EROSION CONTROL NOTES:

1. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION.
2. COORDINATE THE CONSTRUCTION WITH THE TOWN OF WILTON INLAND WETLANDS COMMISSION STAFF PRIOR TO BEGINNING WORK.
3. EXISTING TREES TO BE SAVED SHALL BE PROTECTED BY FLAGGING AND/OR SNOW FENCING AT THE DRIP LINE WHICH SHALL BE MAINTAINED DURING CONSTRUCTION.
4. DUE TO THE VARIABLE LOCATION OF CONSTRUCTION, THE USE OF ANTI-TRACKING APRONS WILL BE ON AN "AS-NEEDED" BASIS DETERMINED IN THE FIELD. WHEN ANTI-TRACKING APRONS ARE USED, THEY SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. APRONS SHALL CONSIST OF 2"- 4" CRUSHED STONE WITH A MINIMUM THICKNESS OF 8 INCHES. EACH APRON SHALL BE APPROXIMATELY 25 FEET LONG AND EXTEND THE WIDTH OF THE CONSTRUCTION ACCESS.
5. SILT FENCE AND OTHER SEDIMENT CONTROL MEASURES MUST BE INSTALLED IN ACCORDANCE WITH THE DRAWINGS AND SPECIFIC MANUFACTURER'S RECOMMENDATIONS.
6. SILT FENCE SHALL BE MIRAFI ENVIROFENCE OR EQUIVALENT APPROVED BY THE DESIGN ENGINEER.
7. ADDITIONAL SEDIMENT AND EROSION CONTROLS MAY BE INSTALLED DURING THE CONSTRUCTION PERIOD IF FOUND NECESSARY BY THE INSPECTING ENGINEER OR ANY GOVERNING AGENCY.
8. AFTER EACH STORM EVENT OR AT LEAST ONCE WEEKLY, ALL SEDIMENT AND EROSION CONTROLS WILL BE INSPECTED. CORRECTIVE MEASURES TO MITIGATE ENVIRONMENTAL CONCERNS WILL BE ORDERED BY THE DESIGN ENGINEER AND/OR GOVERNING AGENCY, IF REQUIRED.
9. ALL PERMANENT AND TEMPORARY SEDIMENT CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. UPON COMPLETION OF WORK, ALL TEMPORARY SEDIMENT CONTROL DEVICES SHALL BE REMOVED FROM THE SITE AND ANY COLLECTED SEDIMENTS FROM THE DEVICES SHALL BE DISPOSED OF LEGALLY AND IN KEEPING WITH THE INTENT OF THIS PLAN.
10. LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED. APPLY GRASS SEED AT A RATE OF APPROXIMATELY 120 LBS/ACRE. SEED MIX WILL VARY FROM UPLAND TO WETLAND BUFFER AREAS. MULCH AFTER SEEDING UPLAND AT A RATIO OF 1000 LBS/ACRE.
11. EFFECTED PORTIONS OF OFFSITE ROADS MUST BE SWEPT CLEAN WHEN REQUIRED.
12. ALL EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL," DATED MAY 2002.

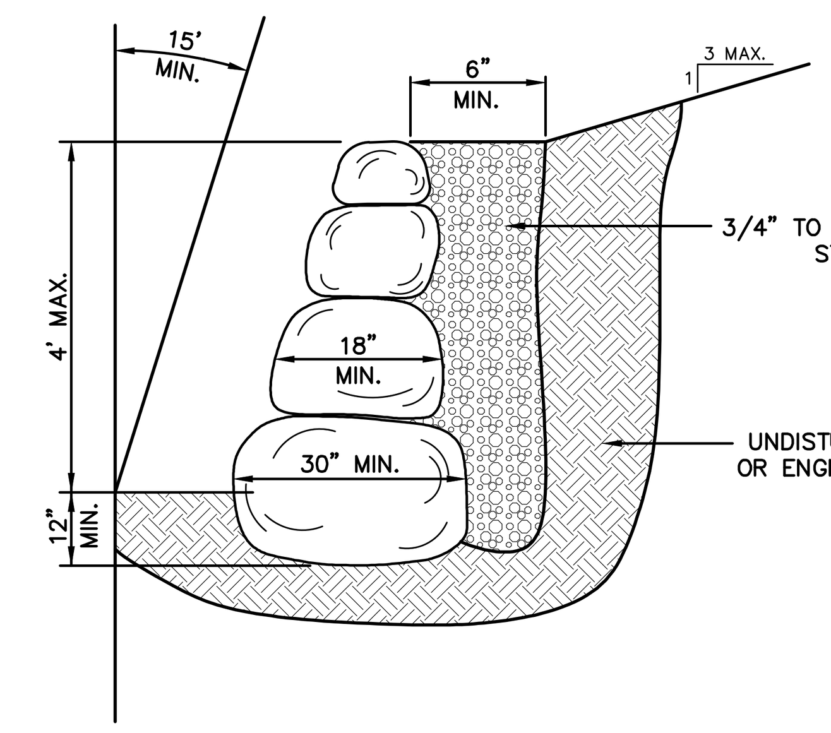
LEGEND

EXISTING	ITEM	PROPOSED
	CATCH BASIN	
	MANHOLE	
	DRAIN	
	SANITARY SEWER	
	STORM SEWER	
— W —	WATER SERVICE	— WS —
— 440 —	CONTOUR	— 410 —
× 337.9	SPOT ELEVATION	× 439.5
N.A.	SILT FENCE	— X —
N.A.	DOUBLE SILT FENCE	— XX —
	TREE TO REMAIN	N.A.
	POLE	N.A.

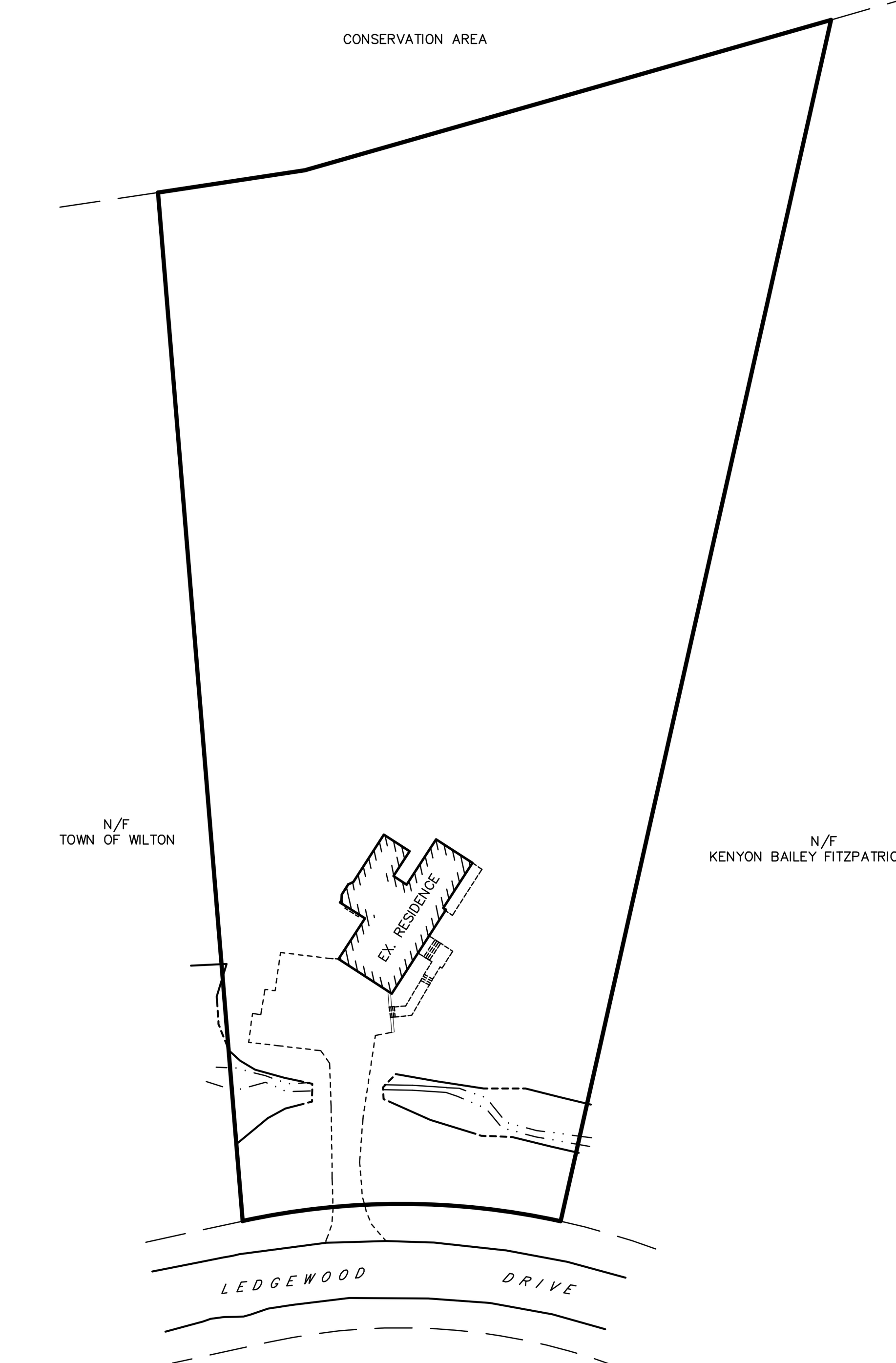
AREA = 2.0055± ACRES



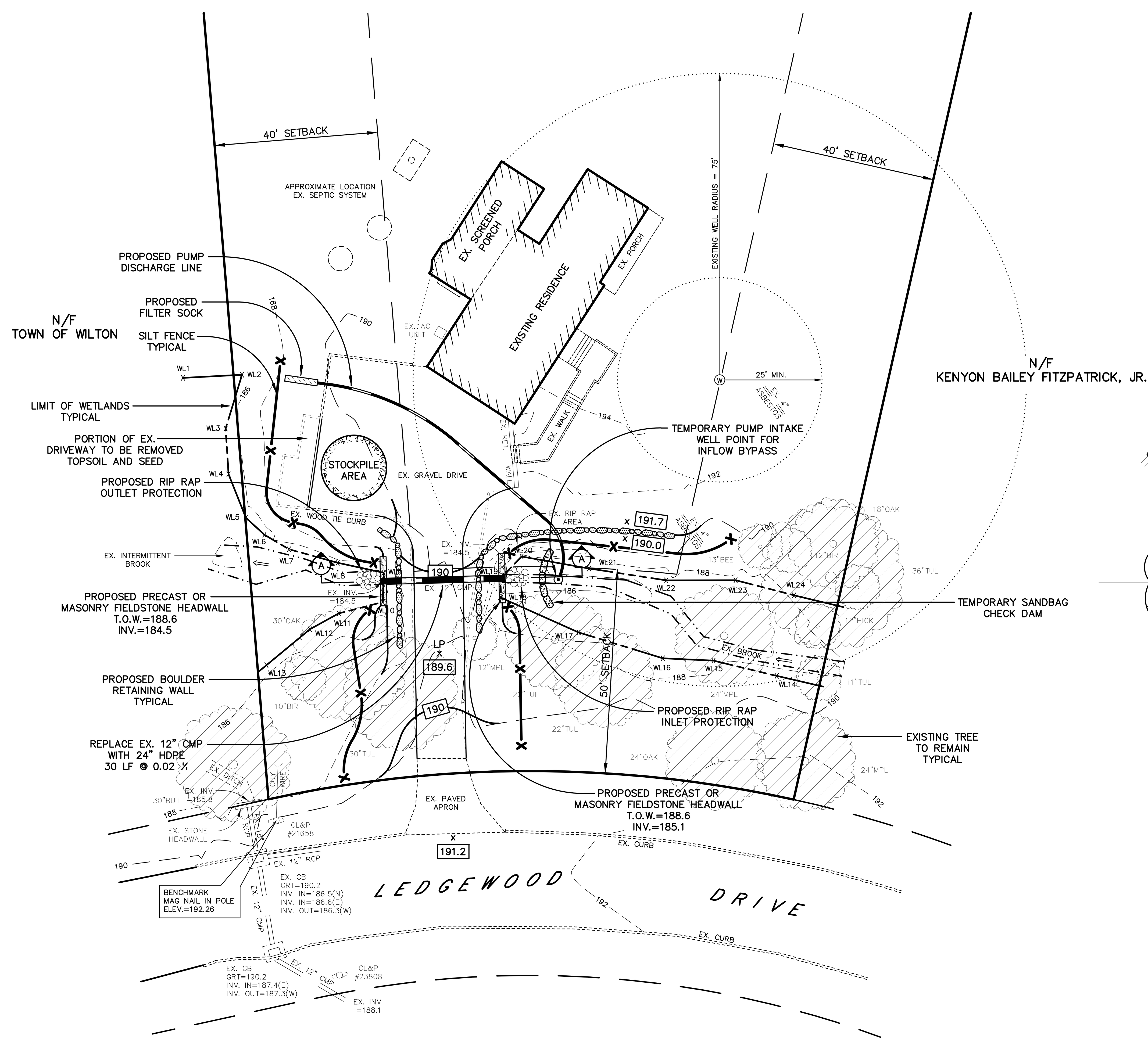
SILT FENCE DETAIL
N.T.S.

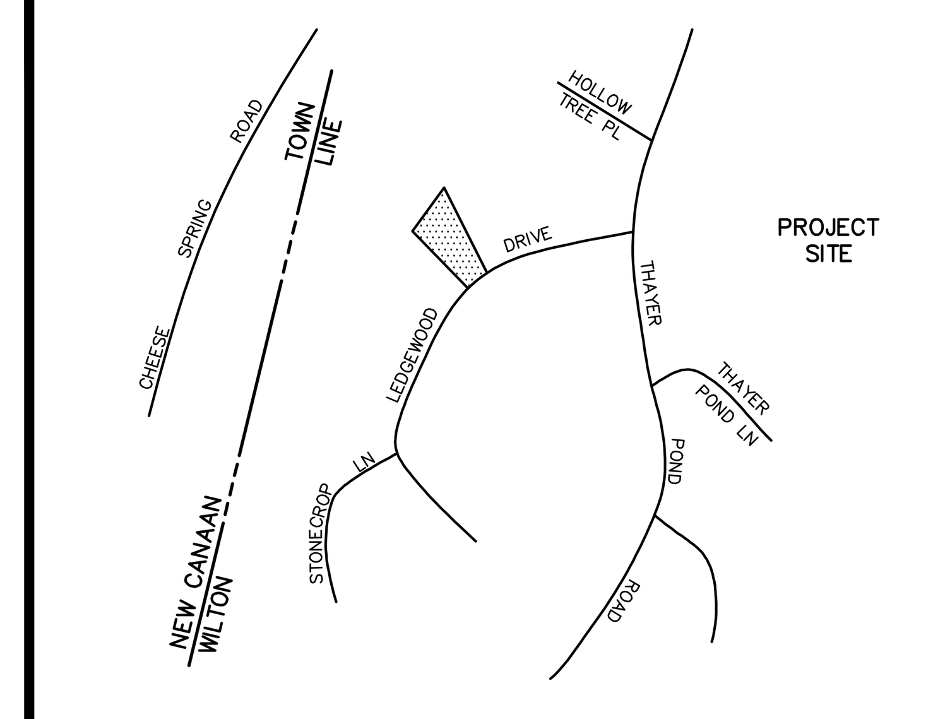


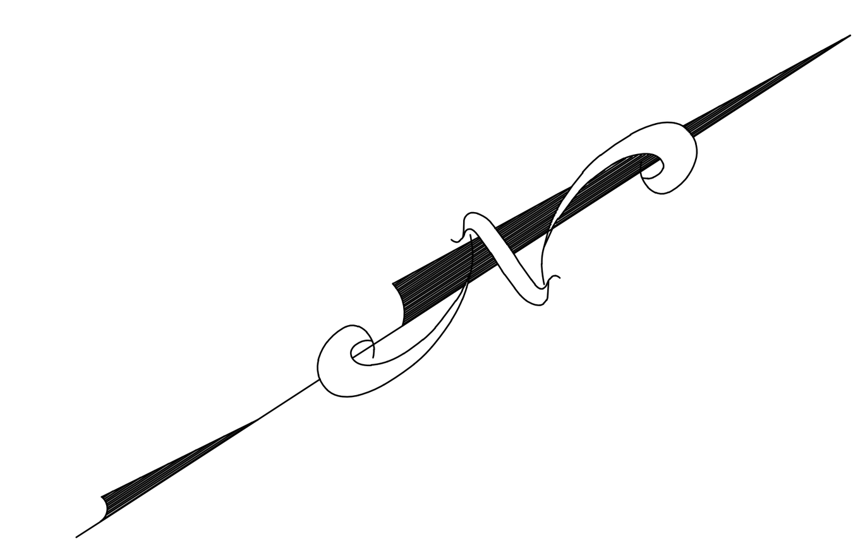
BOULDER RETAINING WALL DETAIL
N.T.S.

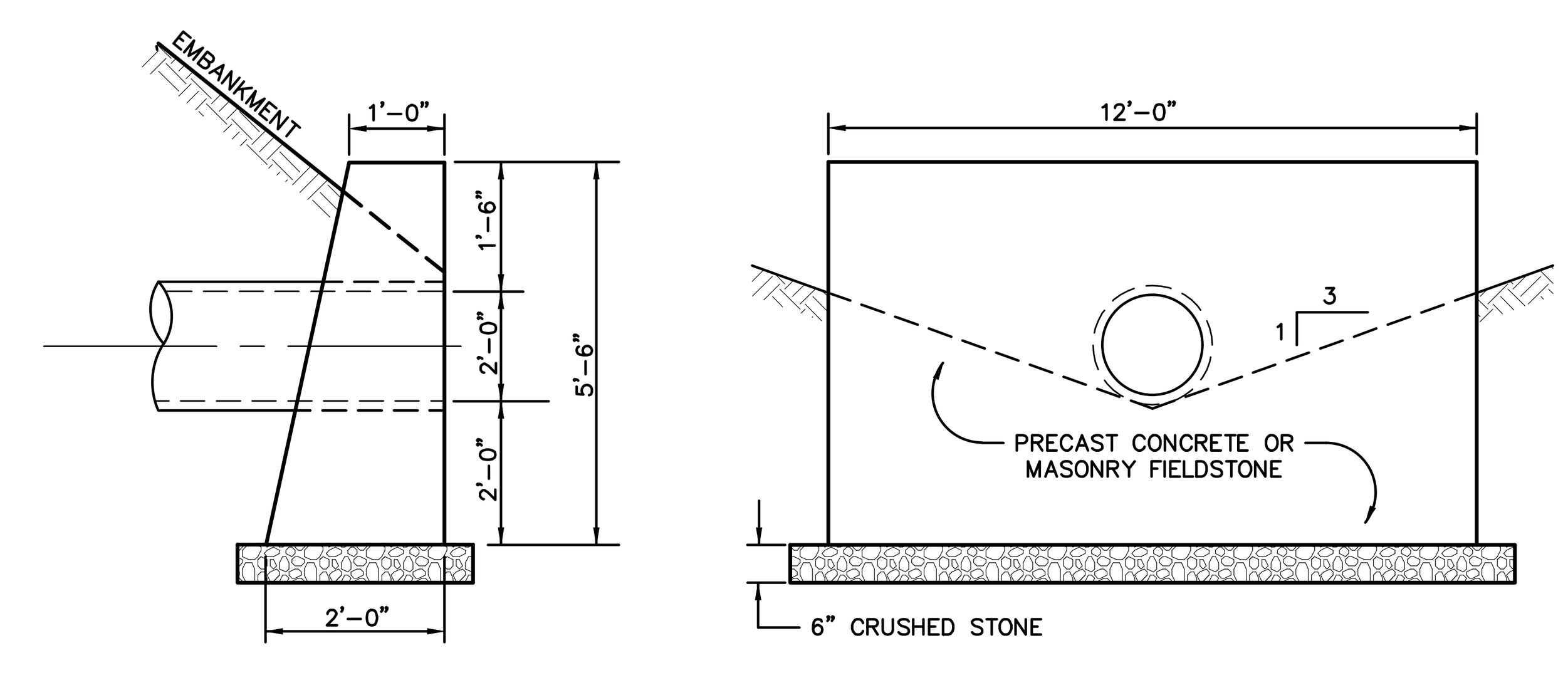


OVERALL SITE PLAN
SCALE: 1" = 60'

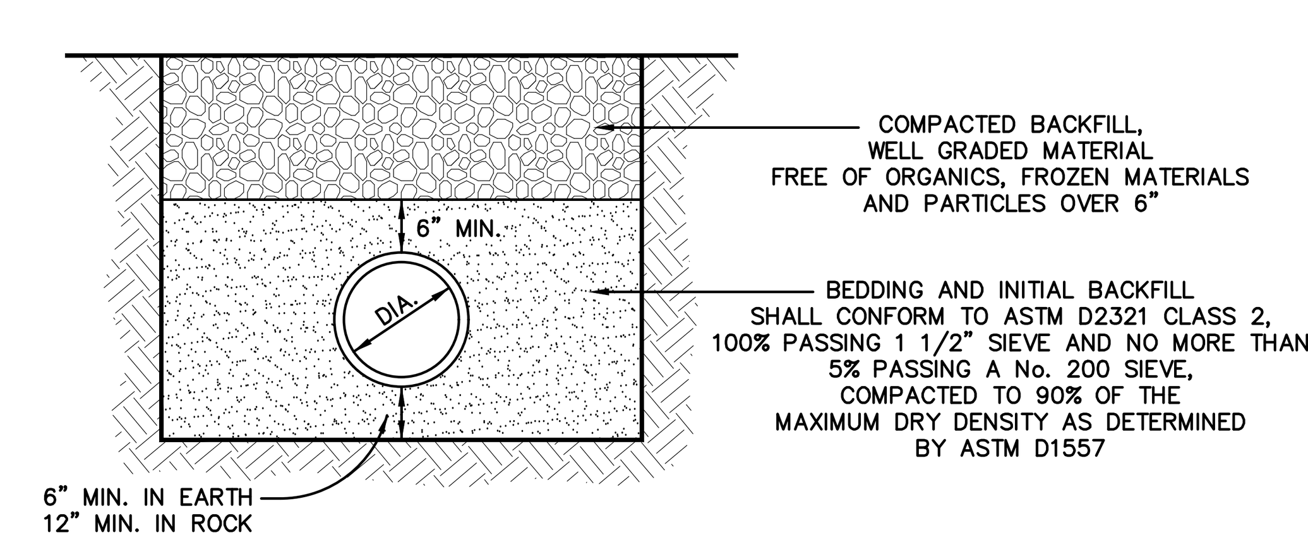




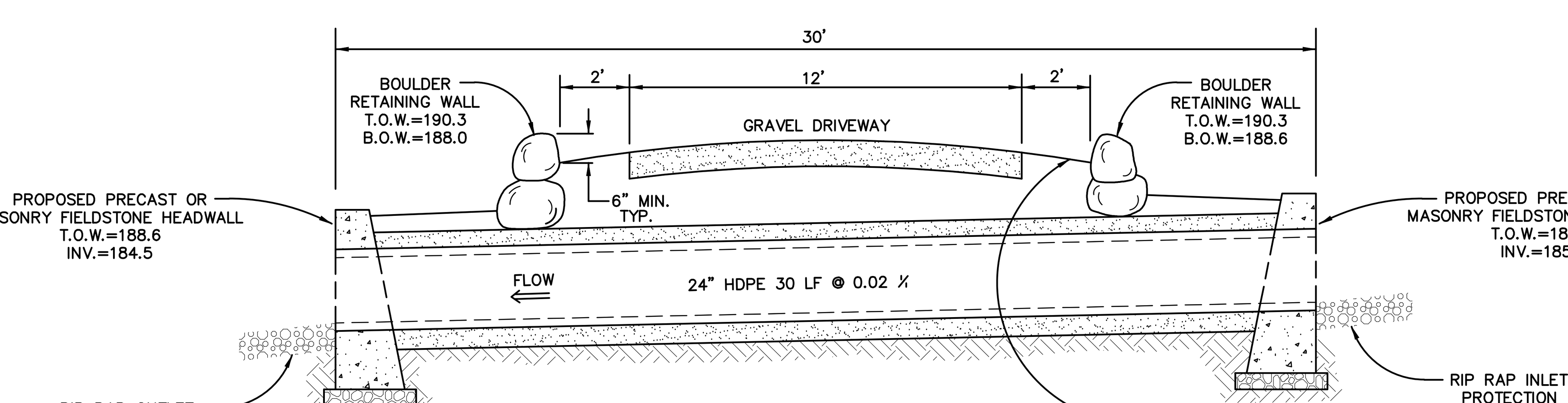




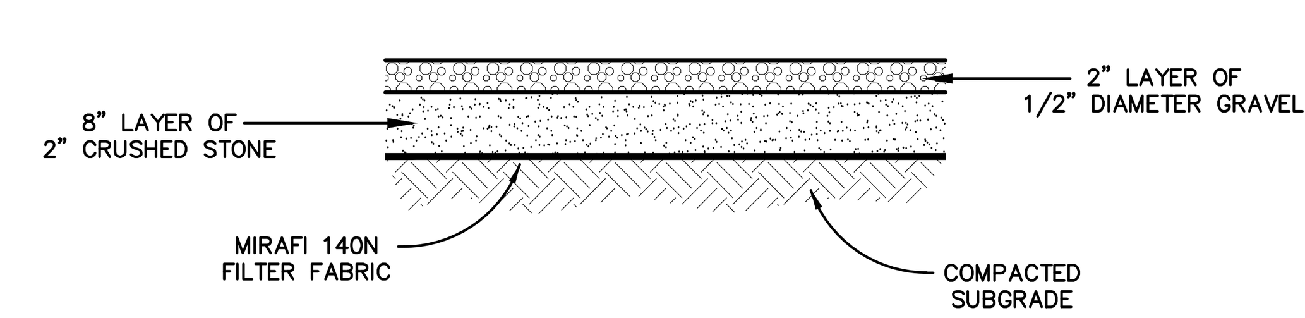
STANDARD HEADWALL/ENDWALL DETAIL
(FOR 24" PIPE)
N.T.S.



HIGH DENSITY POLYETHYLENE (HDPE) PIPE TRENCH DETAIL
N.T.S.



SECTION A-A
SCALE: 1" = 4'



GRAVEL DRIVEWAY DETAIL
N.T.S.

Orientation

No.	Date	Revisions or Submissions
1	5-15-23	ISSUED TO INLAND WETLANDS

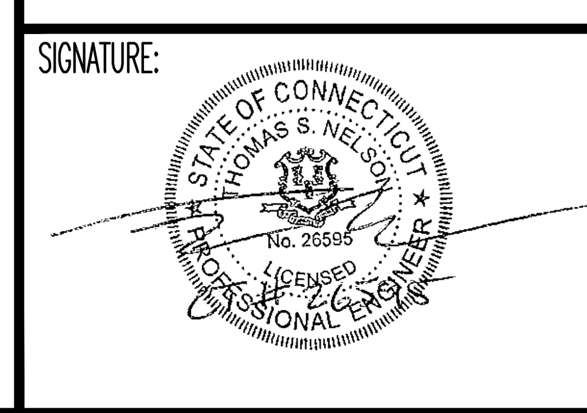
McChord Engineering Associates, Inc.
Civil Engineers and Land Planners
1 Grumman Hill Road
Wilton, CT 06897 (203) 834-0569

PLAN PREPARED FOR
JOSEPH KROPF & IRENE ROSENBERG
WILTON, CONNECTICUT

CULVERT REPAIR PLAN
26 LEDGEWOOD DRIVE
WILTON, CONNECTICUT

JOB NO.:	2295A-1	DATE:	MAY 15, 2023
DRAWN BY:	DRS	CHECKED BY:	TSN
SCALE:	1" = 20'		

SIGNATURE:



DRAWING NO.:
SE1
SHEET 1 OF 1

file: 2295se1

PFIZER – JÄHNIG
ENVIRONMENTAL CONSULTING

October 25, 2022

Wetland Delineation Report
26 Ledgewood Drive
Wilton, Connecticut

Introduction:
A wetland delineation was conducted at 26 Ledgewood Drive on October 16, 2022 by Mary Jaehnig, soil scientist. The property is on the western side of the road and supports a single family dwelling. The delineation is in the front wetland/watercourse that is piped beneath the driveway. The far western portion of the site was not investigated at this time.

The edge of wetland was flagged in the field using chronologically labeled pink ribbon from number 1 to 13 and 14 to the end. The wetland is associated with a watercourse that flows from north to south adjacent to the road. The watercourse eventually enters Thayer Brook and the Silvermine River.

The Inland Wetlands and Watercourses Act (Connecticut General Statutes 22a-38) defines inland wetlands as "land...which consists of any soil types designated as poorly drained, very poorly drained, alluvial, and floodplain." Watercourses are defined in the act as "rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent, public or private, which are contained within, flow through or border upon the state or any portion thereof." The act defines intermittent watercourses as having a defined permanent channel and bank and the occurrence of two or more of the following characteristics: A) evidence of scour or deposits of recent alluvium or detritus, B) the presence of standing or flowing water for a duration longer than a particular storm incident, and C) the presence of hydrophytic vegetation.

Soils:
Soil samples were obtained using an auger. Features noted include color, texture and depth to wetland indicators. Soils were classified according to guidelines established by the USDA NRCS.

17 FAIRVIEW AVE. **RIDGEFIELD, CT 06877** **TEL. (203) 431-8113**
MaryJaehnigSoils@gmail.com

The topography is undulating with slopes generally descending from west to east. The upland soil unit is Charlton-Chatfield complex, very rocky. This unit consists of the well drained and deep Charlton loam and the well drained and somewhat deep Chatfield loam in a landscape with stones, boulders and areas of exposed bedrock. The depth to the water table usually exceeds 6 feet below grade for both loams. The depth to bedrock usually exceeds 5 feet in Charlton loam and averages 20 to 40 inches below grade for Chatfield loam.

Fill was used along the road and in the driveway turnaround.

The wetland unit is Ridgebury, Leicester and Whitman, extremely stony loams. The soils are deep, poorly and very poorly drained and formed in glacial till. Stones and boulders occur on the surface and the water table is close to the surface from late fall into spring.

Submitted by,

Mary Jaehnig

Mary Jaehnig
soil scientist

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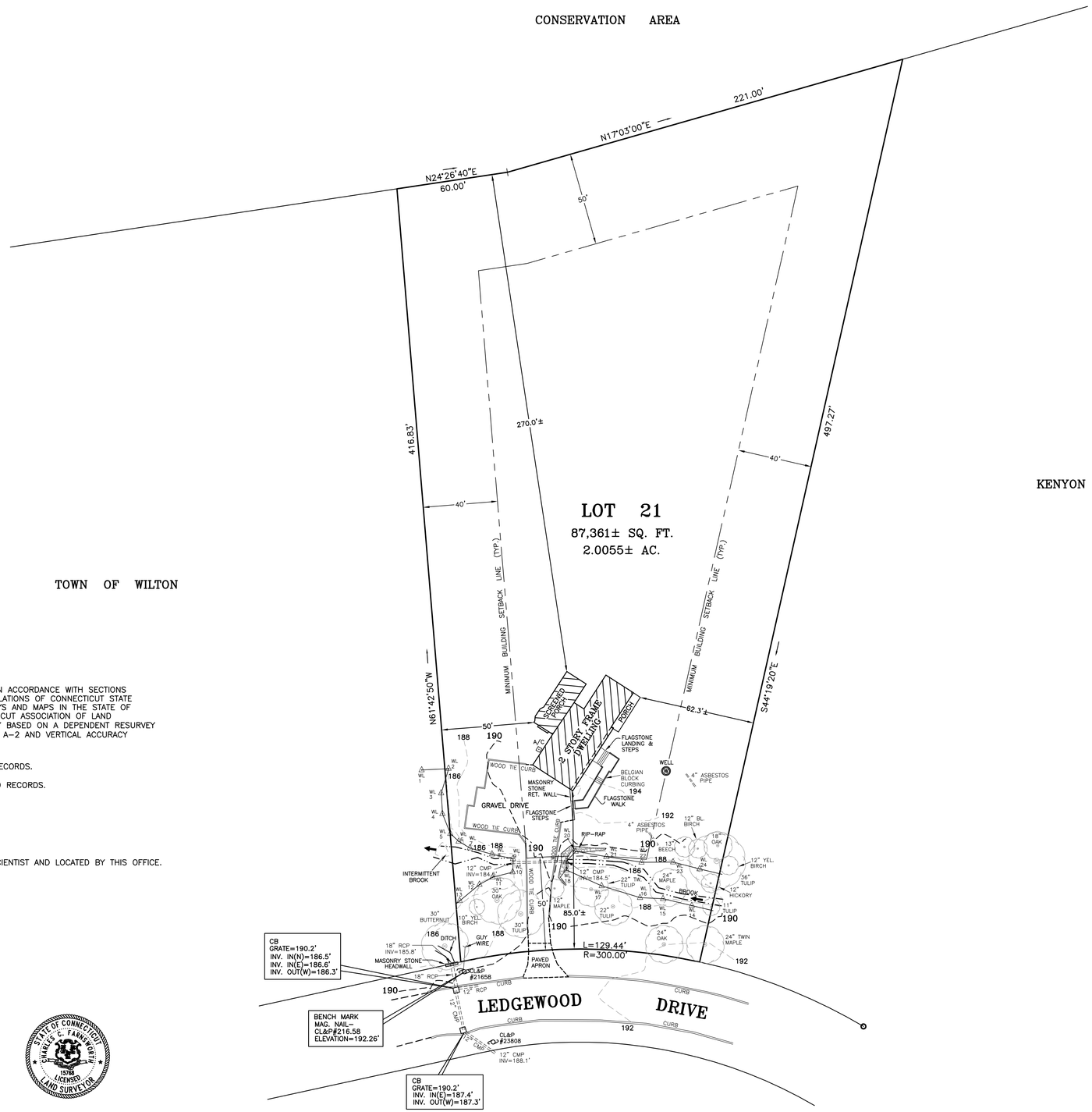
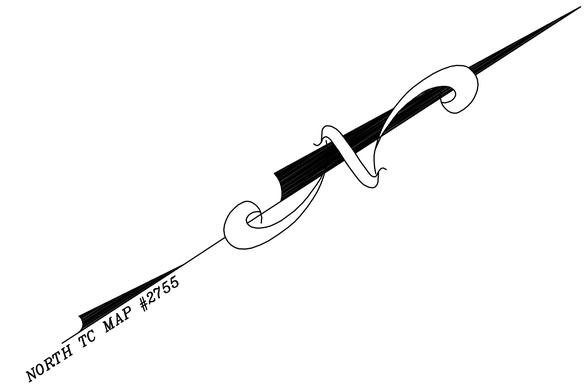
CONSERVATION AREA





LOT 22

KENYON BAILEY FITZPATRICK, JR.

TOWN OF WILTON

NOTES

1. THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20–300b–1 THRU 20–300b–20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES – "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS A TOPOGRAPHIC SURVEY BASED ON A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A–2 AND VERTICAL ACCURACY CLASS T–2.
2. REFER TO VOL. 1122 PG. 352 WILTON LAND RECORDS.
3. REFER TO MAPS #2755 & #3784 WILTON LAND RECORDS.
4. PROPERTY LOCATED IN ZONE R–2.
5. TOPOGRAPHIC DATUM: ASSUMED.
6. BUILDING COVERAGE: 2.2%.
7. SITE COVERAGE: 2.5%
8. WETLANDS FLAGGED BY MARY JAEHNIG, SOIL SCIENTIST AND LOCATED BY THIS OFFICE.

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

CHARLES C. FARNSWORTH L.L.S.
CONN. REG. #15768

STATE OF CONNECTICUT · CHARLES C. FARNSWORTH · 15768 · LICENSED LAND SURVEYOR

JOHN M. FARNSWORTH & ASSOCIATES
26 STUART ROAD WEST BRIDGEWATER, CT 06752
PH: 860–354–1251
EMAIL – charlesfarnsworth@charter.net

TOPOGRAPHIC SURVEY

PREPARED FOR

JOSEPH KROPF

AND

IRENE ROSENBERG

#26 LEDGEWOOD DRIVE WILTON, CONNECTICUT

SCALE: 1" = 30' OCTOBER 2, 2022

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.