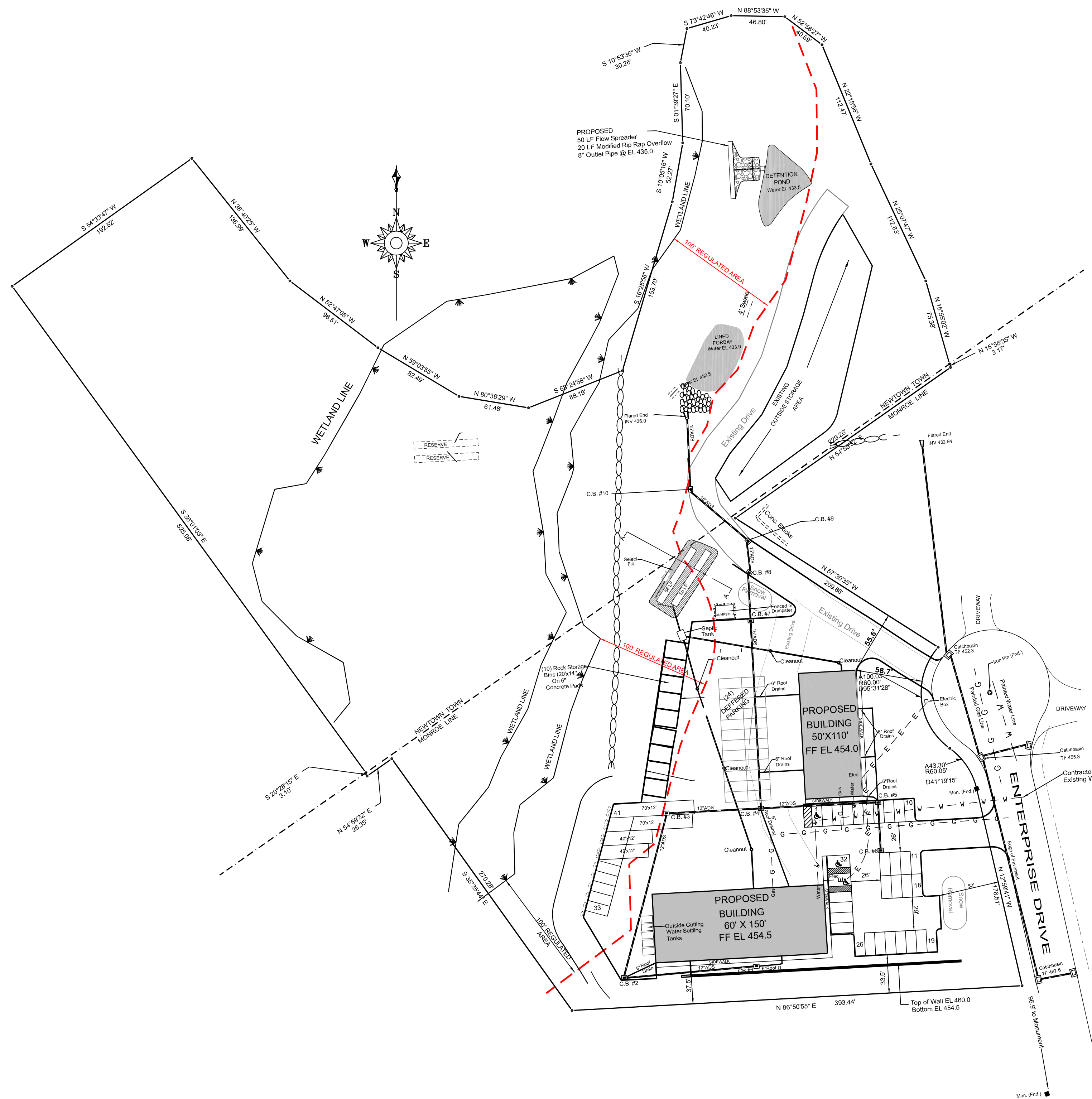


**R. STONE COMPANY, LLC  
169 ENTERPRISE DRIVE  
MONROE/NEWTOWN, CONNECTICUT**

MAP INDEX:

1. MAP OF PROPERTY - PLOT PLAN
2. OVERALL SITE PLAN & SOIL AND EROSION CONTROL PLAN (SHEET 1 OF 2)
3. OVERALL SITE PLAN & SOIL AND EROSION CONTROL PLAN (SHEET 2 OF 2)
4. GRADING AND UTILITY PLAN
5. SEPTIC PLAN
6. LIGHTING PLAN
7. MITIGATION LANDSCAPE PLAN
8. SOIL TEST RESULTS AND DETAIL SHEET



APPLICANT:  
RUDY MOBILIO  
R. STONE COMPANY, LLC  
P.O. BOX 110386  
TRUMBULL, CT 06611  
203-400-1160

PREPARED BY:  
NOWAKOWSKI, O'BYMACHOW, KANE & ASSOCIATES  
415 HOWE AVENUE, 4TH FLOOR  
SHELTON, CONNECTICUT  
203-924-7745  
CONTACT PERSON: ALAN SHEPARD, P.E.

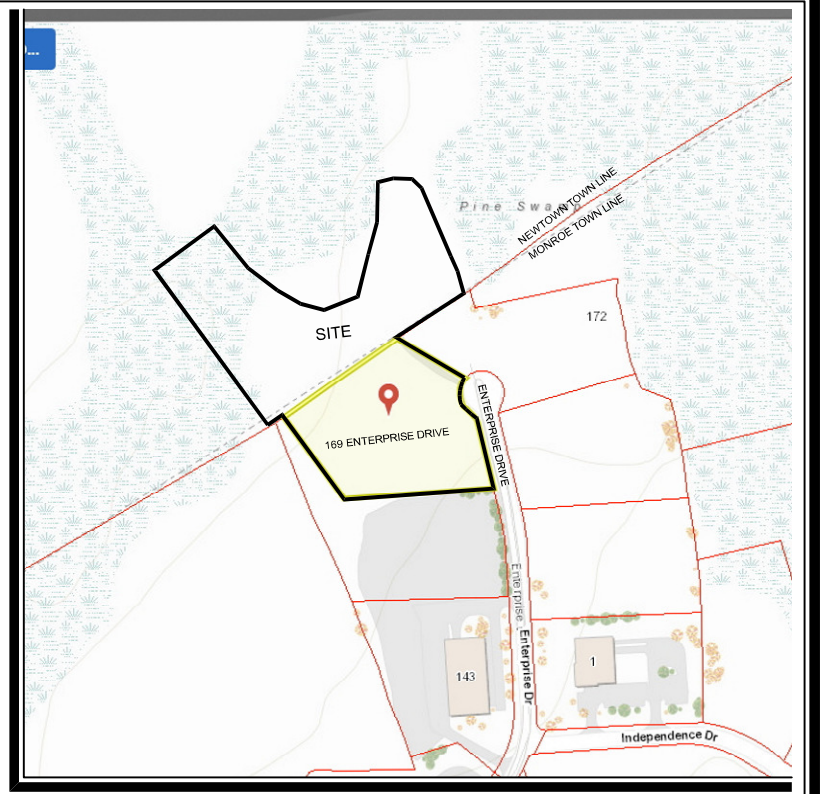
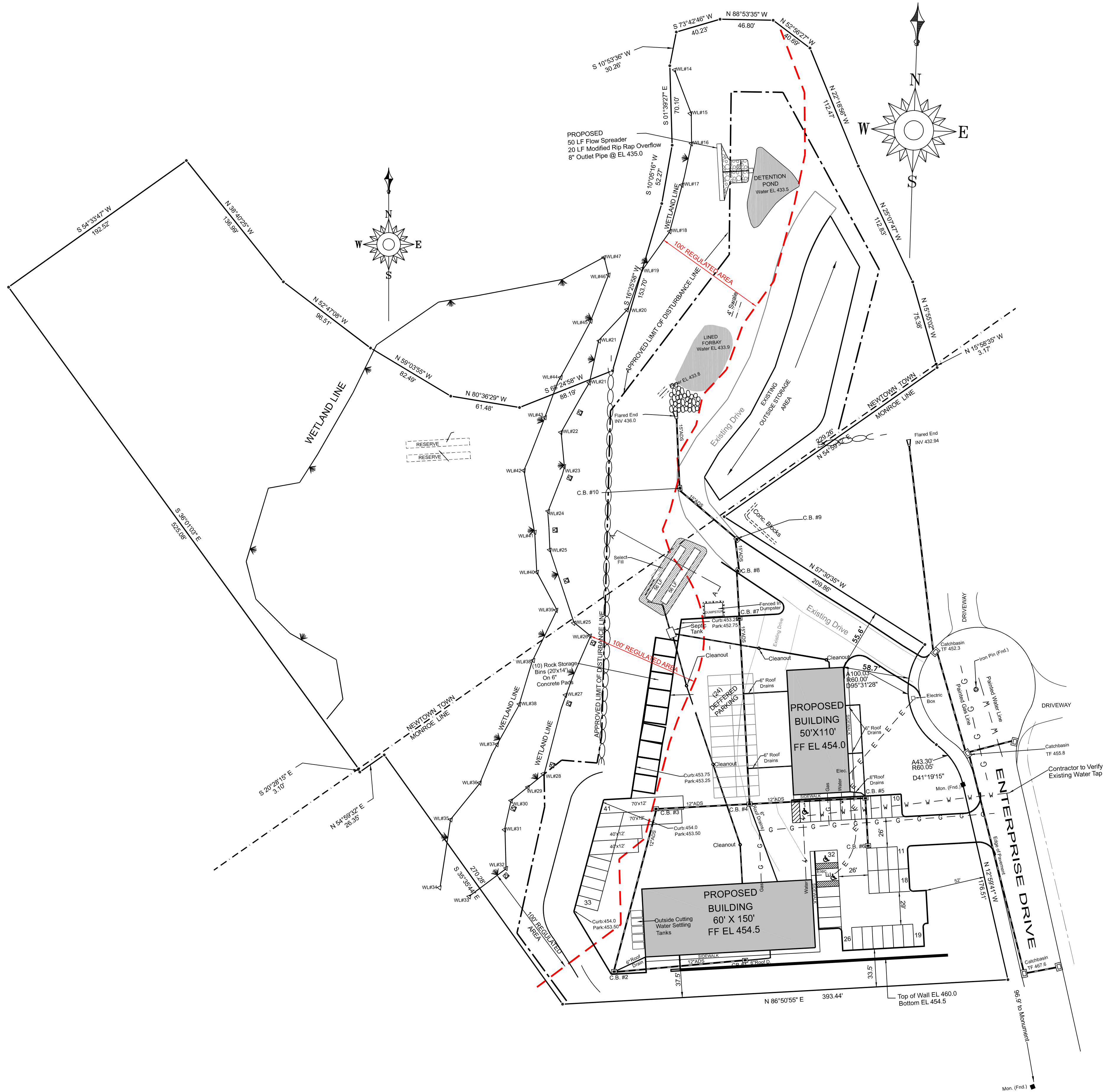
DATED: May 12, 2021, REVISED FEBRUARY 20, 2025  
September 3, 2025, September 22, 2025

**MAP REFERENCES**

1. Map entitled "Resubdivision Map, Section 3" Prepared for Monroe Land Holdings, LLC, Enterprise Drive/Cambridge Drive, Monroe, Connecticut, Scale 1"=100', Dated October 14, 2005, Prepared by Spath-Bjorklund Associates, Inc. (On File in the Monroe Town Hall File #2911A)
2. Map entitled, "Improvement Location Survey" Lot 24 Prepared for Claris Construction, 169 Enterprise Drive, Monroe/Newtown, Connecticut, Scale 1"=50', Dated July 18, 2007, Prepared by Spath-Bjorklund Associates, Inc.

**GENERAL SURVEY NOTES**

1. This Map Has Been Prepared Pursuant To The Regulation Of Connecticut State Agencies Section 20-300b-1 Through 20-300b-20 And The "Standards For Surveys And Maps In The State Of Connecticut As Adopted By The Connecticut Association Of Land Surveyors, Inc. On Sept. 26, 1996.
2. This Survey Conforms to Horizontal Accuracy Class A-2.
3. The Type Of Survey Performed Is A Limited Property / Boundary Survey, And Is Intended To Be An Improvement Location Survey.
4. Boundary Determination Is Based Upon A Dependent Resurvey. (See Map References And Record Deeds.)
5. North Arrow Is Based On Map Reference # 1.
6. No attempt has been made as part of this survey to obtain or depict data concerning the existence (other than what is depicted hereon), size, depth, condition, capacity, or location of any utility or municipal/public service facility. For information regarding these utilities or facilities, please contact the appropriate agencies prior to any construction. CALL BEFORE YOU DIG 1-800-922-4455
7. Parcel located in a 1-2 Zone. See Zoning Regulations for Specific Setbacks and Requirements - Zone, Setbacks and Requirements are subject to the Determination of the Zoning Enforcement Officer.
8. This survey was prepared for a specific purpose, any use other than that which was originally intended is a misuse of this information and renders the preparer's declaration null and void. Unauthorized alterations or additions to this survey, which bears the licensed surveyors signature and embossed seal, renders any declaration noted hereon null and void.
9. Lot Area in Monroe: 3.5 Acres  
Lot Area in Newtown: 5.1 Acres  
**TOTAL PARCEL AREA 8.6 Acres**



**LOCATION MAP**  
(Approx. Scale: 1"=500')

To the best of my knowledge and belief this map is substantially correct as noted hereon

BRIAN D. SHEPARD L.S. #70544

This Map is NOT VALID without a LIVE SIGNATURE and EMBOSSED SEAL.

**PROPOSAL:**

The proposal calls for the construction of a commercial stone processing company on 8.5+/- Acres. The majority of the construction will be outside of the regulated area. The amount of disturbance in the regulated area is 25,462 Sq. Ft. or 0.58 Acres. It should be noted, however that all construction activity will be within the previously approved limit of disturbance area per maps approved by The Town of Monroe November 21, 2008.

REFERENCE APPROVAL MAPS November 21, 2008:

Maps entitled, "Pepper Street Business Park", Lot 24 Monroe and Newtown Connecticut, Prepared for Claris Construction, Inc. dated July 19, 2007, last revised May 1, 2008, prepared by Spath-Bjorklund Associates, Inc.

MAP OF PROPERTY - PLOT PLAN  
PREPARED FOR  
**R. STONE CO. LLC**

169 ENTERPRISE DRIVE  
MONROE/NEWTOWN, CONNECTICUT

SCALE: 1"= 50' DATE: MAY 12, 2021

0 50 100 REVISION 2/20/25, 9/3/25

MAP#	A4356	SEARCH	5243	FB/PG	569/25	DRAWING	202804
CIVIL ENGINEERING		NOWAKOWSKI - O'BYMACHOW - KANE, ASSOCIATES					
LAND SURVEYING		CIVIL ENGINEERING & LAND SURVEYING					
		415 HOWE AVENUE					
		SHELTON, CONNECTICUT 06484					
		PHONE: (203) 924-7745 FAX: (203) 924-7526					
		Records Since 1950					

**GENERAL SURVEY NOTES**

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**SOIL EROSION AND SEDIMENTATION CONTROL NARRATIVE**

**A. INTRODUCTION:**  
The purpose of the sediment and erosion control narrative is to provide a sequence of construction and schedule of activities which supplements the plan and additional detail which is to be considered part of the Soil Erosion Control Plan prepared by Nowakowski, O'Bymachow, Kane & Assoc. .

**B. PROJECT NARRATIVE:**  
The proposal calls for the construction of a commercial stone processing company on an 8.5+/- Acre parcel of land.

**C. GENERAL NOTES:**

- Install Anti-Tracking Aprons at both existing entrances.
- Install silt fence and/or hay bales as depicted on plan.
- Install temporary berm in cleared area west of office building.
- Provide hay bale check dams along existing stonewall.
- Direct run-off to existing sediment pond.
- Grade proposed building area.
- Redirect graded building areas to sediment pond.
- Install septic and install drainage.
- Landscape and final grade.
- Maintain sediment and erosion controls until site is stabilized.

Rudy Mobilio  
NAME  
203-880-5020  
PHONE

is assigned the responsibility for implementing this erosion and sediment control plan. This responsibility includes the installation and maintenance of control measures, informing all parties engaged on the construction site of the requirements and objectives of the plan, notifying the Inland Wetland Commission of any transfer of this responsibility and for conveying a copy of the Erosion and Sediment Control Plan if the title to the land is transferred.

**D. CONSTRUCTION TIMING:**

Construction is anticipated to begin in the SPRING OF 2026 if approvals are obtained. It is anticipated the lot construction will be completed by the FALL/WINTER OF 2026

**D. MAINTENANCE AND INSPECTION OF EROSION CONTROLS**

Inspection and Silt Removal	Replacement
Catchbasin	Weekly and after heavy rain Every 3 months
Silt Fence	Weekly and after heavy rain Yearly, ripped sections shall be replaced promptly
Haybales	Weekly and after heavy rain Every 3 months
Anti-tracking Apron	Monthly Every 3 months
Waterbreaks	Daily during road grading N/A
Seeding	Every week and after every rain until germination As necessary
Sediment Area	Remove silt if over 6 inches As necessary

**EROSION AND SEDIMENT CONTROL PLAN**

- Land disturbance will be kept to a minimum. Re-stabilization will be scheduled as soon as practical.
- Haybale and/or fabric filters will be installed at all culvert outlets and along the toe of all critical cut and fill slopes.
- Culvert discharge areas will be protected with rip-rap channels; energy dissipators will be provided as necessary.
- Catchbasins will be protected with haybale filters throughout the construction period and until all disturbed areas are thoroughly stabilized.
- All erosion and sediment control measures will be constructed in accordance with the standards and specifications of the "2024 Erosion and Sediment Control Guidelines"
- Erosion and sediment control measures will be installed prior to construction.
- All control measures will be maintained during the construction period.

Rudy Mobilio  
R.Stone Co., LLC  
P.O. Box 110386  
Trumbull, CT 06611  
203-880-5020

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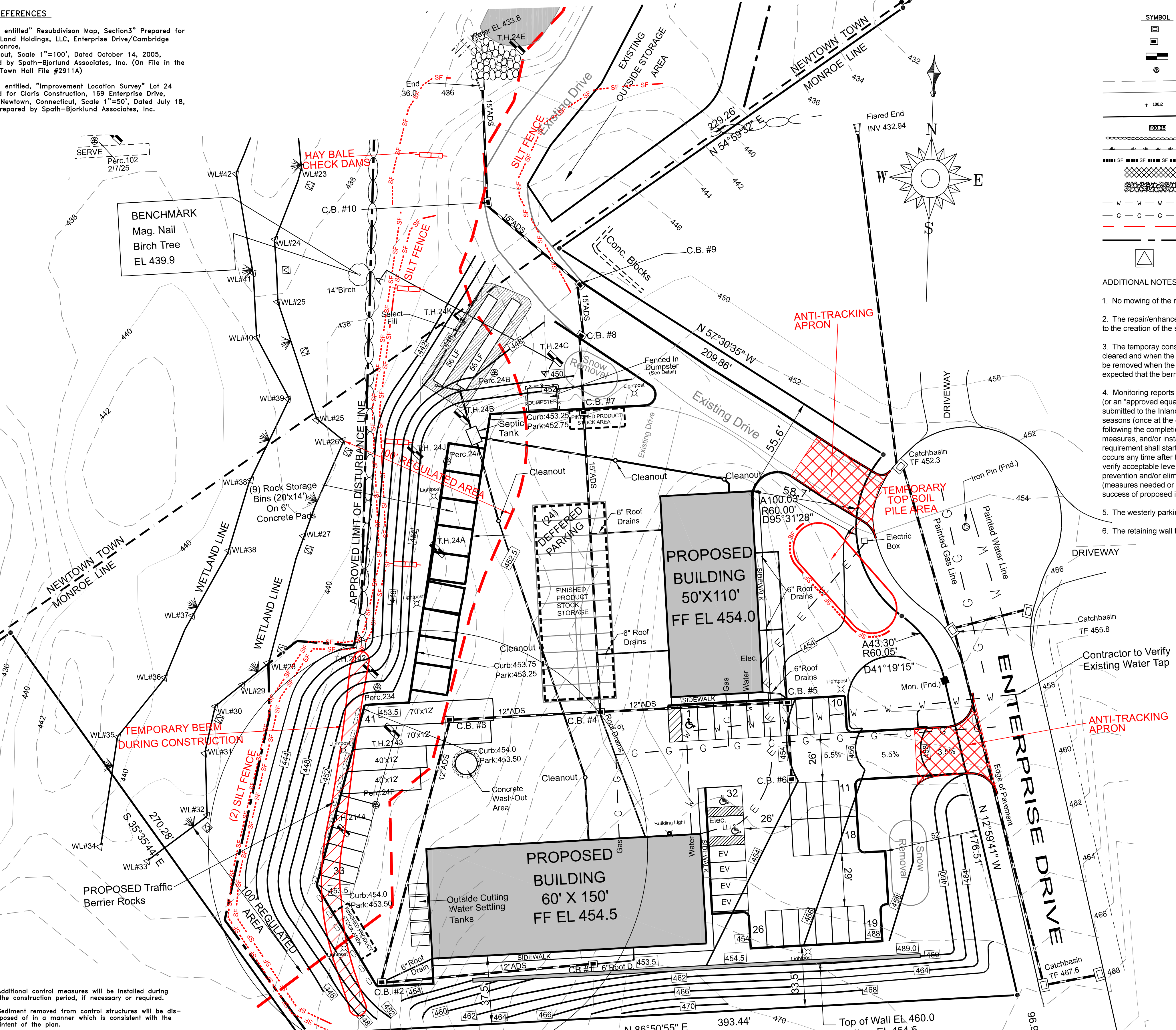
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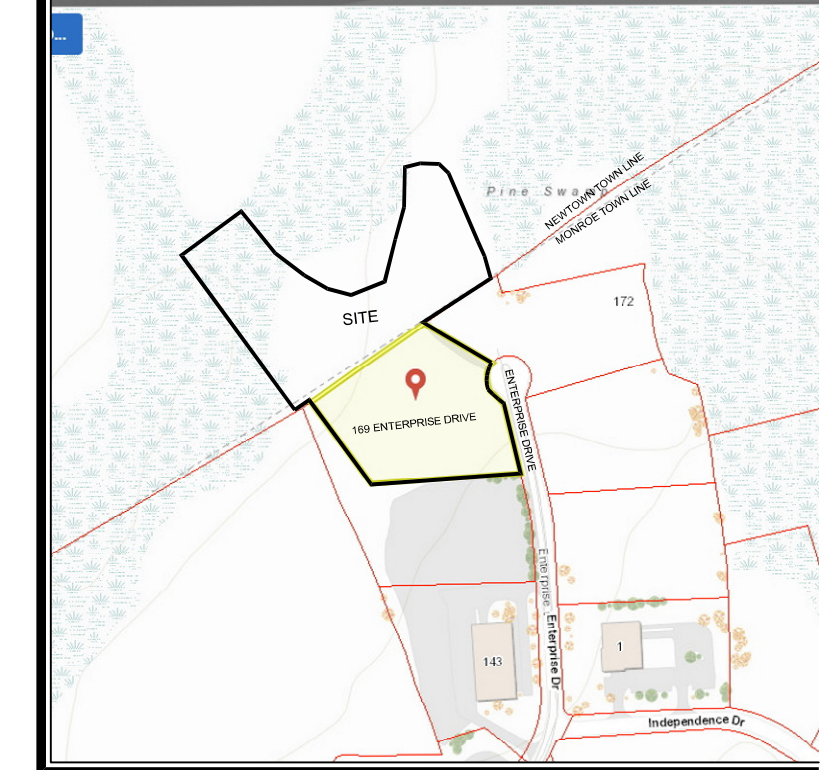


**LEGEND**

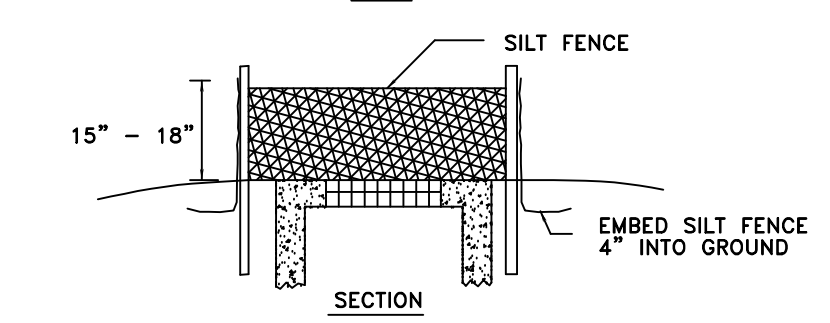
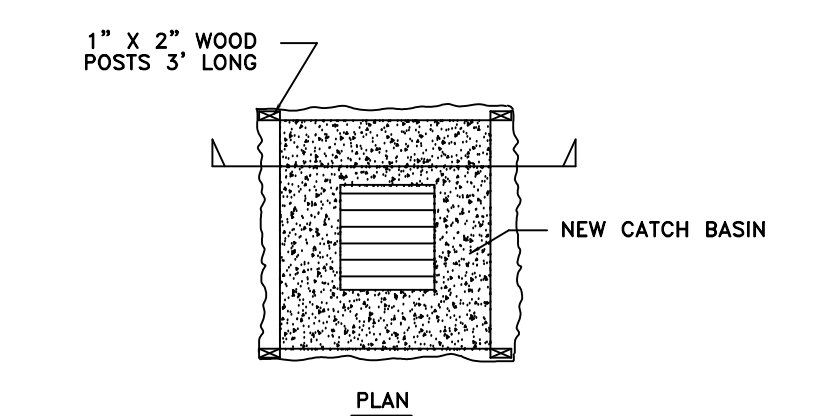
SYMBOL	DESCRIPTION
[Symbol]	Existing Catch Basin
[Symbol]	Proposed Catch Basin
[Symbol]	Test Hole
[Symbol]	Perc. Hole
[Symbol]	Existing 2' Contour
[Symbol]	Existing 10' Contour
[Symbol]	Existing Spot Elev.
[Symbol]	Proposed Contour
[Symbol]	Proposed Spot Elev.
[Symbol]	Stone Wall
[Symbol]	Welland Boundary
[Symbol]	Silt Fence or Staked Hay Bales
[Symbol]	Anti-Tracking Apron
[Symbol]	Rip Rap
[Symbol]	Water Line
[Symbol]	Gas Line
[Symbol]	100' UPLAND REVIEW AREA LINE
[Symbol]	APPROVED LIMIT OF DISTURBANCE LINE
[Symbol]	PROPOSED WETLAND MARKERS

**ADDITIONAL NOTES:**

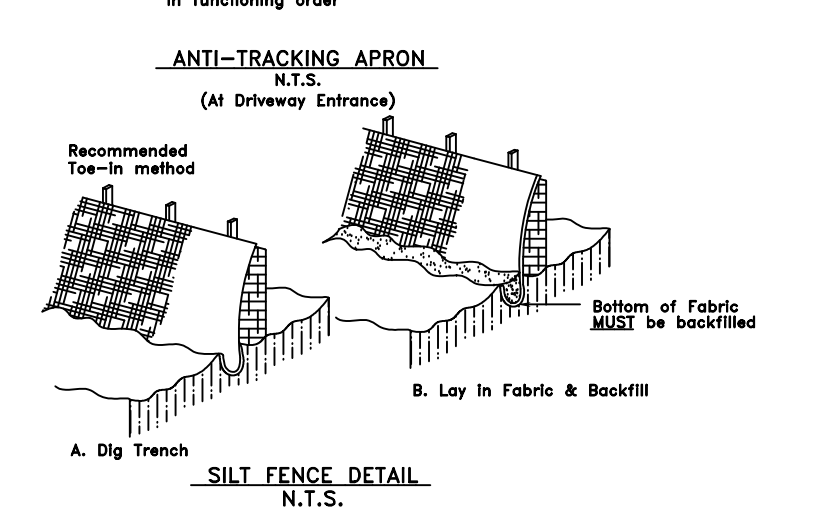
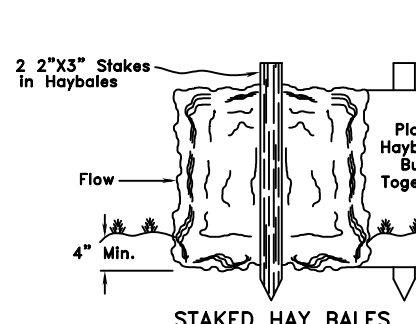
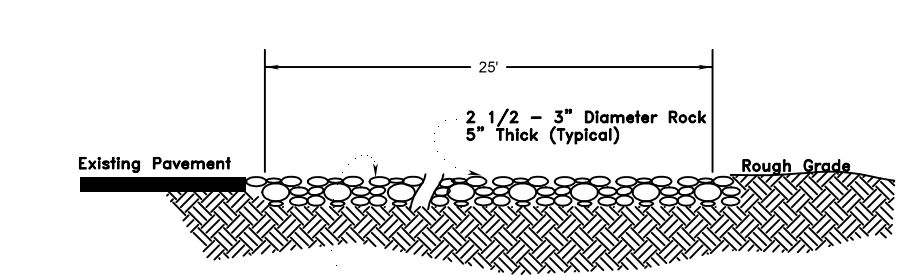
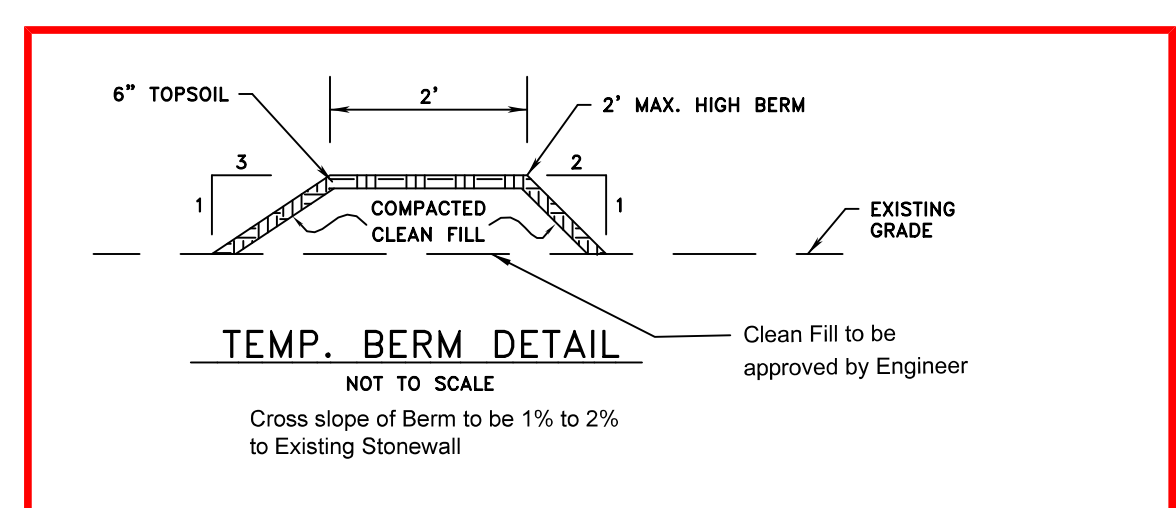
- No mowing of the meadow area allowed.
- The repair/enhancement of the existing stone wall to be done prior to the creation of the slope.
- The temporary construction berm will be constructed after the lot is cleared and when the soil erosion controls are being installed and it will be removed when the filling takes place for the back parking lot. It is expected that the berm will be in place during the building construction.
- Monitoring reports by a Landscape Architect or Wetland Biologist (or an "approved equal" by the Inland Wetlands Commission) shall be submitted to the Office for each of the three growing seasons (once at the end of the year, by the end of November) following the completion of remediation, restoration, and stabilization measures, and/or installation of plantings. Note that the first year requirement shall start the year following installation if installation occurs any time after the spring planting season. Said reports shall verify acceptable levels of plant health (establishment and growth prevention and/or elimination of invasive plant species (measures needed or results obtained) and a verification of overall success of proposed improvements.
- The westerly parking lot and storage area to be curbed.
- The retaining wall to the south of the property to be engineered.



LOCATION MAP (Approx. Scale: 1"=500')



NOTE: STRAW BALES MAY BE USED IN LIEU OF SILT FENCE AROUND CATCH BASINS. BALES SHALL BE EMBEDDED 4" INTO GROUND AND SECURELY STAKED IN PLACE.  
CATCH BASIN PROTECTION N.T.S.



**PROPOSAL:**  
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REFERENCE APPROVAL MAPS November 21, 2008:

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ALAN B. SHEPARD P.E. # 18198  
This Map is NOT VALID without a LIVE SIGNATURE & EMBOSSED SEAL.

OVERALL SITE PLAN AND SOIL AND EROSION CONTROL PLAN (SHEET 1 OF 2)

PREPARED FOR  
**R. STONE CO. LLC**  
169 ENTERPRISE DRIVE  
MONROE/NEWTOWN, CONNECTICUT

SCALE: 1"= 30'

DATE: OCTOBER 8, 2020  
REVISED: 11/5/20, 1/5/21, 2/11/21, 2/20/25, 9/3/25, 9/22/25

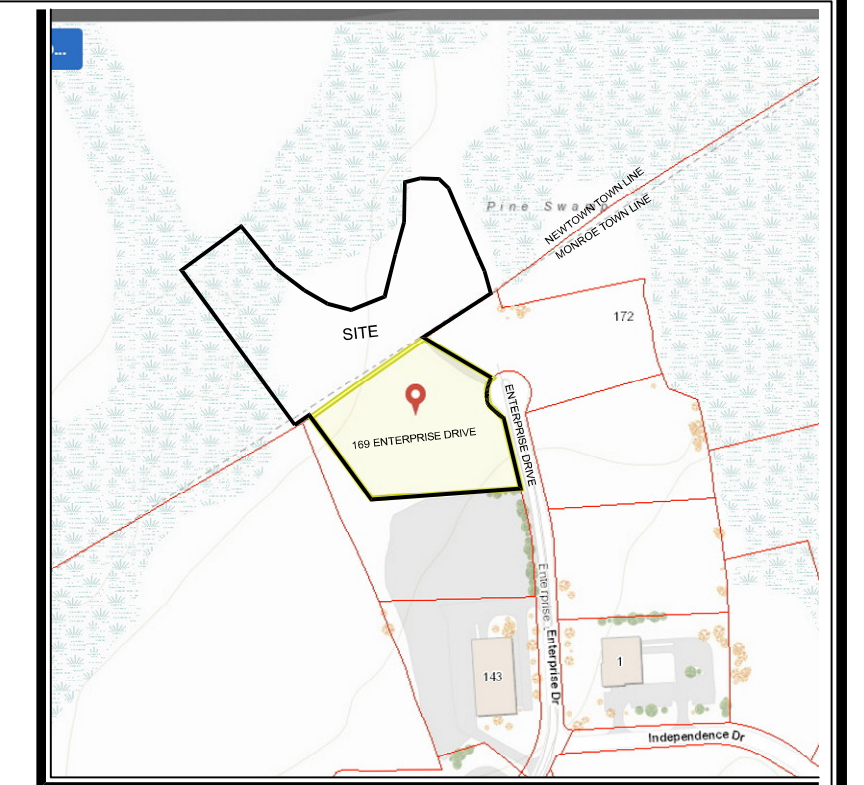
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**CIVIL ENGINEERING**  
**NOK**  
LAND SURVEYING

NOWAKOWSKI - O'BYMACHOW - KANE, ASSOCIATES  
CIVIL ENGINEERING & LAND SURVEYING  
415 HOME AVENUE  
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Records since 1950

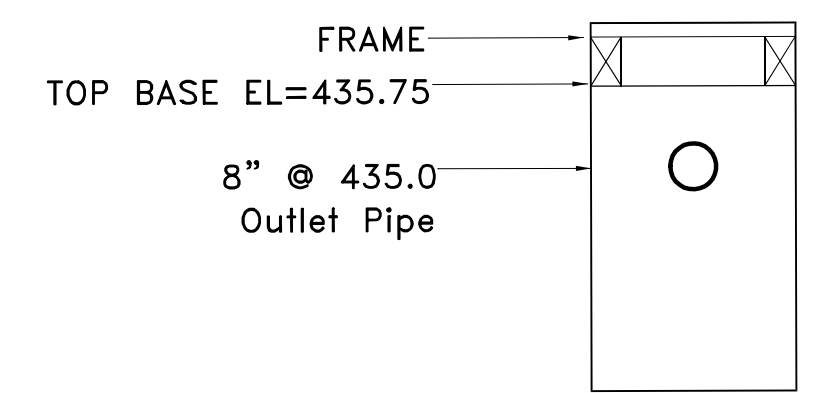
**LEGEND**

SYMBOL	DESCRIPTION
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	Proposed Catch Basin
	Test Hole
	Perc. Hole
	Existing 2' Contour
	Existing 10' Contour
	Existing Spot Elev.
	Proposed Contour
	Proposed Spot Elev.
	Stone Wall
	Wetland Boundary
	Silt Fence or Staked Hay Bales
	Anti-Tracking Apron
	Rip Rap
	Water Line
	Gas Line
	100' UPLAND REVIEW AREA LINE
	APPROVED LIMIT OF DISTURBANCE LINE



LOCATION MAP  
(Approx. Scale: 1"=500')

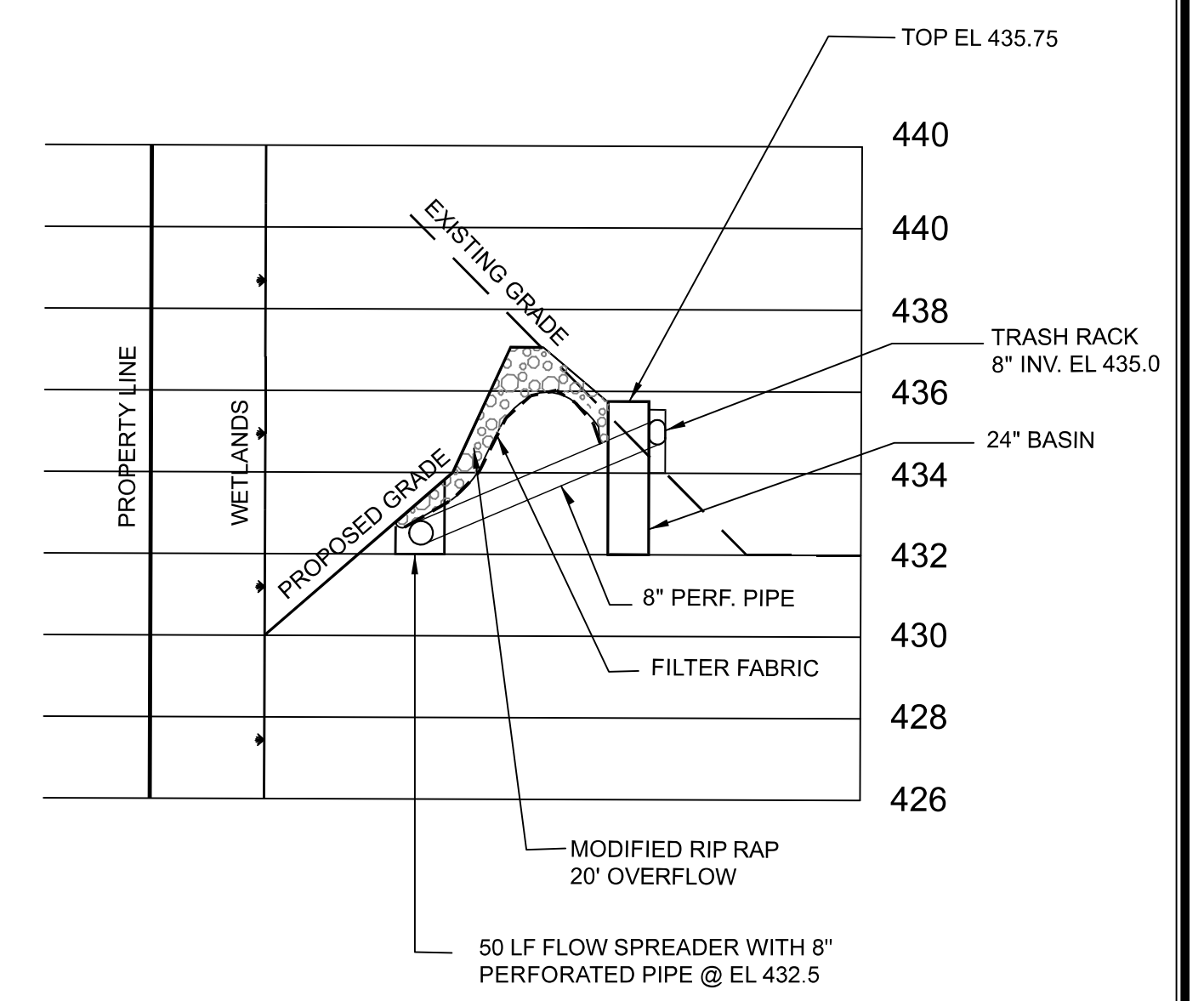
**OUTLET STRUCTURE**  
TOP OF BERM EL= 437.0  
EMERGENCY OVERFLOW EL=436.0



POND VOLUME:

ELEVATION	AREA	VOLUME	TOTAL VOLUME
433	1,500	0	0
434	5,000	3,250	3,250
435	6,750	5,875	9,125
436	8,500	7,625	16,750
437	11,500	10,000	26,750

IMPERVIOUS COVERAGE CALCULATIONS:  
1" VOLUME = 100,000 X 1.3" X 1 FT/12 inches = 10,833 CU. FT.



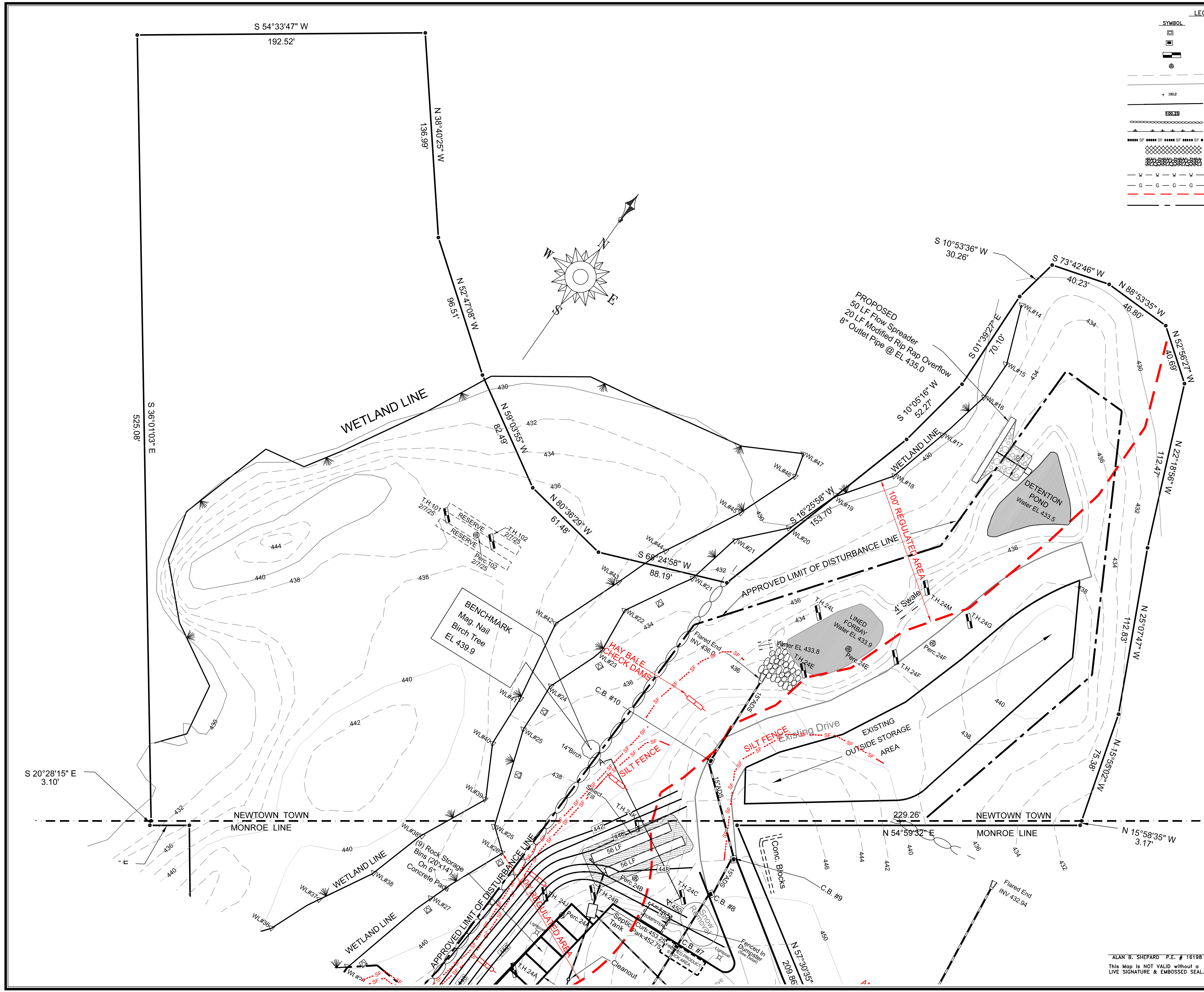
PROPOSED DETENTION POND OUTLET DETAIL  
(SCALE 1"=20' HORIZ. 1"=4' VERT.)

OVERALL SITE PLAN AND SOIL AND EROSION CONTROL PLAN (SHEET 2 OF 2)  
PREPARED FOR  
**R. STONE CO. LLC**  
169 ENTERPRISE DRIVE  
MONROE/NEWTOWN, CONNECTICUT  
SCALE: 1"= 30'  
DATE: OCTOBER 8, 2020  
REVISED: 11/5/20, 1/5/21, 2/11/21, 2/20/25, 9/3/25, 9/22/25

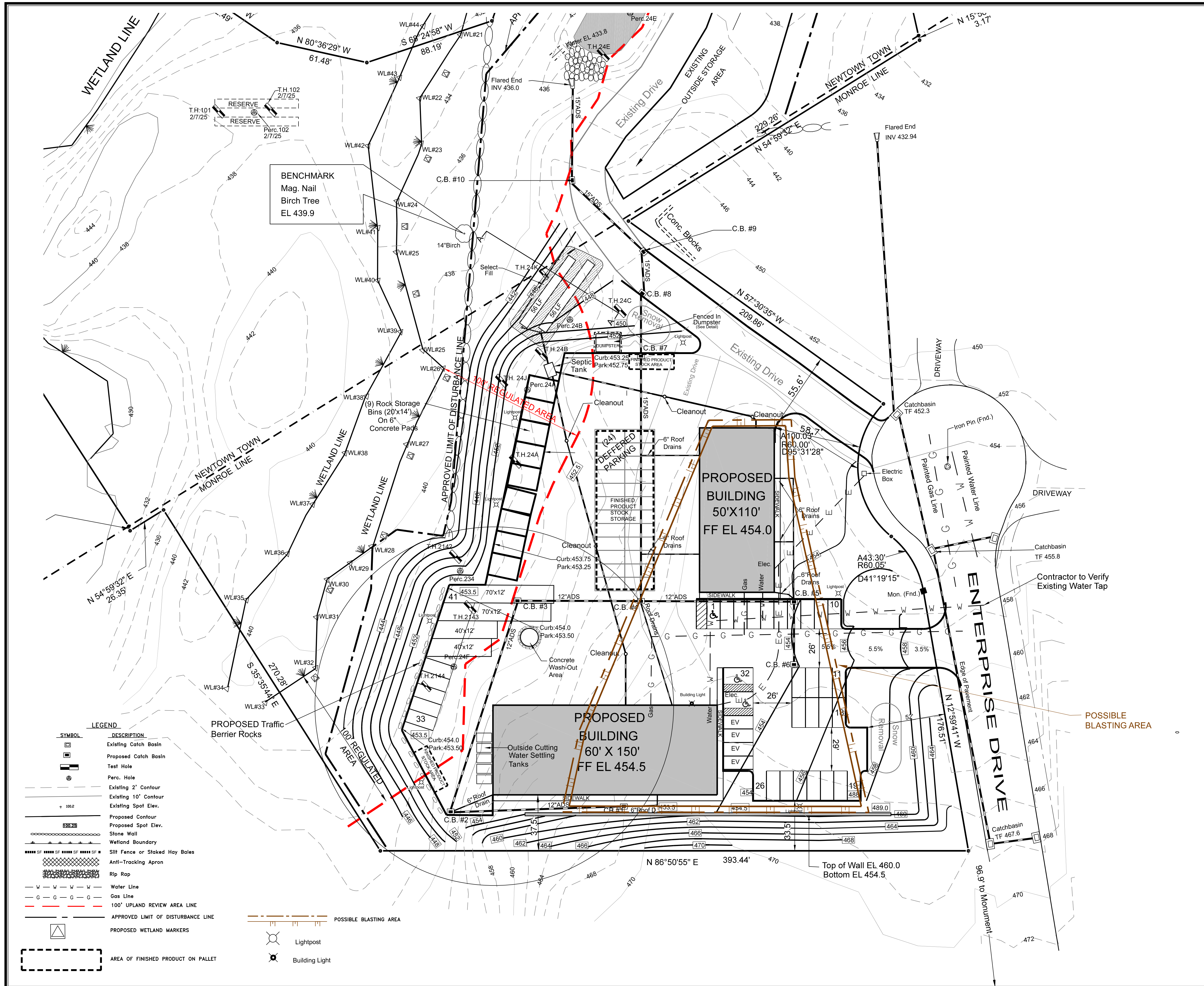
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CIVIL ENGINEERING  
**NOK**  
LAND SURVEYING

NOWAKOWSKI - O'BYMACHOW - KANE, ASSOCIATES  
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415 HOWE AVENUE  
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Records since 1950



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PROPOSED CATCHBASIN ELEVATIONS:

C. B. #1	TF 453.5	INV. 12" ADS 452.0
C.B. #2	TF 453.5	INV. 12" ADS 450.75
C.B. #3	TF 453.0	INV. 12" ADS 449.25
C.B. #4	TF 453.5	INV. 12" ADS 448.25
C.B. #5	TF 454.0	INV. 12" ADS 450.5
C.B. #6	TF 454.0	INV. 12" ADS 451.0
C.B. #7	TF 452.0	INV. 15" ADS 446.5
C.B. #8	TF 449.50	INV. 15" ADS 446.0
C.B. #9	TF 448.0	INV. 15" ADS 444.0
C.B. #10	TF 444.5	INV. 15" ADS 440.0

PROPOSED USE:

MANUFACTURING AND OFFICE:  
 Total Area = 14,500 Sq. Ft.  
 2,000 Sq. Ft. for Office @ 4 spaces per 1,000 Sq. Ft. = 8 Spaces  
 12,500 Sq. Ft. for Manufacturing @ 1 space per 600 Sq. Ft. (GFA) = 20.9 Spaces  
**TOTAL REQUIRED: 29 SPACES**  
**TOTAL PROVIDED: 37 SPACES**

PARKING CALCULATIONS FOR POSSIBLE ALTERNATIVE USAGE:

(2) BUILDINGS PROPOSED (1) 50'x110' = 5,500 Sq. Ft. (2) 60'x150' = 9,000 Sq. Ft.  
**TOTAL SQUARE FOOTAGE OF BUILDINGS = 14,500 Sq. Ft.**  
 FOR TRADE CONTRACTOR BUILDINGS:  
 14,500 Sq. Ft. @ 4 Spaces Per 1,000 (GFA) plus 1 Space Per Facility Vehicle = 58 Spaces  
**TOTAL PROVIDED: 37 SPACES**  
**DEFERRED: 24 SPACES**  
**61 POSSIBLE PARKING SPACES**

OUTDOOR STORAGE ALLOWED:

I-2 District: Up to 40 percent of lot area = Area in Monroe 154,739.9 x .40 = 61,895.9 Sq. Ft.  
**PROPOSED OUTSIDE STORAGE:**  
 (9) Rock Storage Bins (20'x14' each) = 2,520 Sq. Ft.  
 (5) Cutting Water Settling Tanks (10'x5') = 250 Sq. Ft.  
 (4) Truck Parking (2) 70'x12'(2) 40'x12' = 2,640 Sq. Ft.  
 Finished Stock on Pallet Storage = 4,640 SQ. Ft.  
**TOTAL OUTSIDE STORAGE AREA = 10,050 Sq. Ft.**

EV CHARGING SPACES (PROVIDED 4, MARKED "EV")  
 NOTE: THE EV CHARGING INFRASTRUCTURE IS ONLY TO BE INSTALLED, NOT THE ACTUAL UNIT.

GRADING AND UTILITY PLAN  
 PREPARED FOR  
**R. STONE CO. LLC**  
 169 ENTERPRISE DRIVE  
 MONROE/NEWTOWN, CONNECTICUT  
 SCALE: 1" = 30'  
 DATE: OCTOBER 8, 2020  
 REVISIONS: 11/5/20, 1/5/21, 2/11/21, 2/20/25, 9/3/25, 9/22/25

MAP#	A4356	SEARCH	5243	FB/PG	569/25	DRAWING	202804
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CIVIL ENGINEERING  
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 LAND SURVEYING

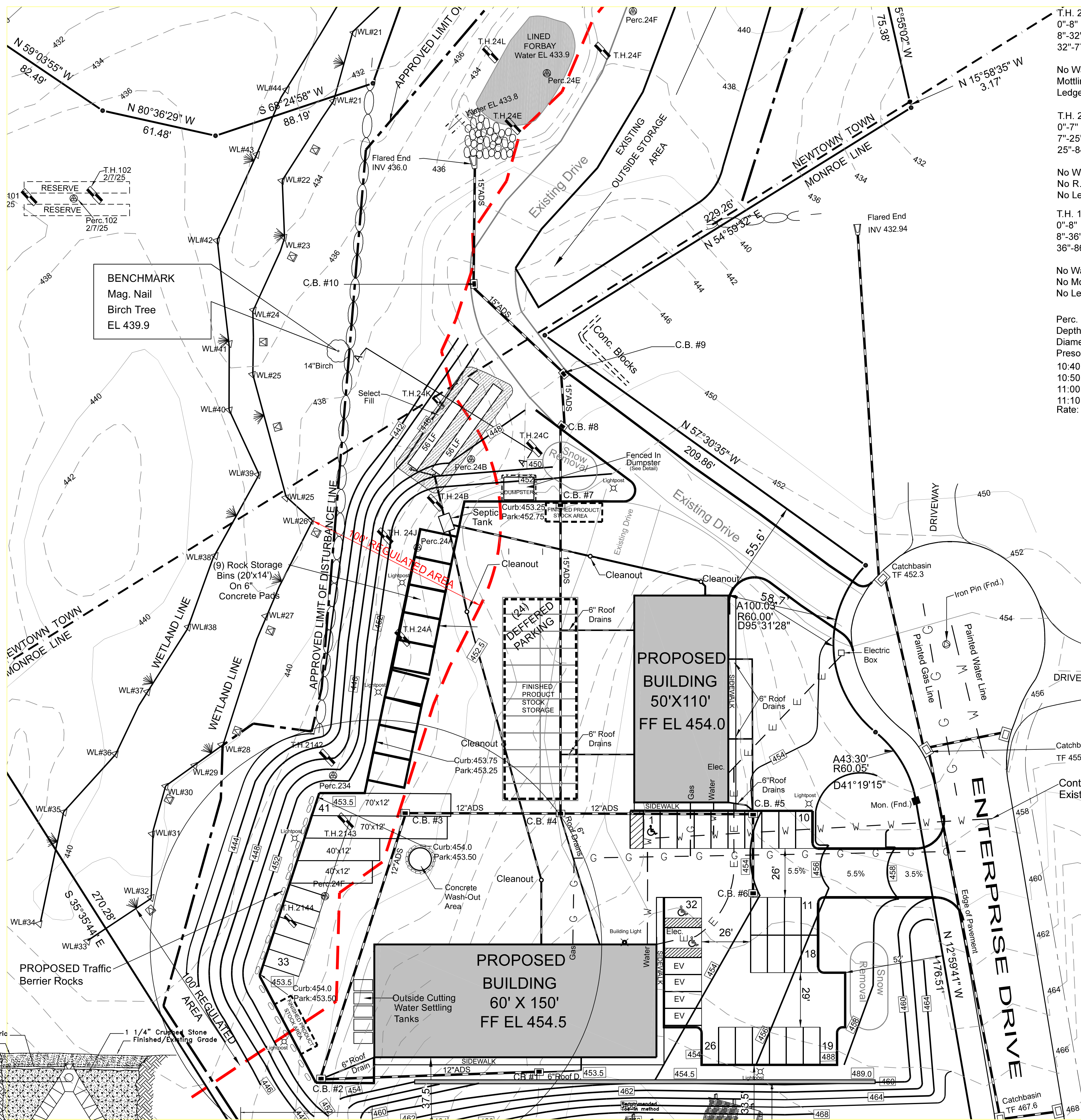
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4

ALAN B. SHEPARD P.E. # 16198  
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**GENERAL SYSTEM NOTES**

- The soil line from the structure shall be a 4" PVC pipe (ASTM D1785 or D2665) with rubber gasket joints, or an approved equal. Soil line shall be set at a minimum slope of 0.25 inch/ft.
- The septic tank shall be a two compartment tank, shall be watertight and all baffled inspection manholes shall be located at a depth not greater than 12" below finished (landscaped) grade. The tank shall conform to Connecticut Public Health Codes.
- Solid distribution pipe and tight joint drainage pipe to be ASTM 3033-34, SDR 35 or equal.
- All distribution boxes shall be as manufactured by Rotondo and Sons, Inc., catalog number DB-3, as shown on the plan, or equivalent as approved by the Engineer.
- Parcel and adjoining parcels are services by Public Water.
- All survey information was taken from maps prepared by others and field location Nowakowski, O'Bymachow, Kane, & Associates.
- This design conforms to applicable codes and accepted practice. No other warranty is expressed or implied.
- Nowakowski, O'Bymachow, Kane & Associates assumes no responsibility for septic system site preparation, location, or invert elevations in compliance with the approved plan, unless it supervises each phase of system installation.
- All vehicle traffic should be PROHIBITED over the septic area. Any land disturbance down gradient of the septic area should be kept to a minimum.
- Immediately following construction, the leachfield areas topsoil is to be added, graded, seeded, fertilized, and mulched to establish a vegetation cover during the growing season. Any large stones and construction debris is to be removed from the area with final conditions left in a neat and workman-like manner.
- Leachfield areas shall be protected at all times from surface-water runoff by the construction of berms and/or swales. At no time shall surface-water runoff be permitted to enter any leaching system components.
- The septic system shall be staked out by a surveyor licensed by the State of Connecticut.
- It is the responsibility of the installer to have a preconstruction meeting with the design engineer such that proper construction procedures will be used for the leaching system.
- All improvements shall conform to Town and State regulations.
- "Select Fill Material" shall conform to Connecticut Public Health Code Regulations & Technical Standards. Any unacceptable in-place fill shall be removed at the expense of the Licensed Septic Installer. "Select Fill Material" or "Select Backfill Material" shall be comprised of clean sand & gravel, free of organic material and foreign substances. The fill shall not contain any material larger than three (3) inches. Up to 45% of the dry weight of the representative sample may be retained on the #4 sieve (This is the gravel portion of the sample). The material that passes the #4 sieve is then reweighed and the sieve analysis started. The remaining sample shall meet the following gradation criteria: 100% passing the #4 sieve; 70-100% passing the #10 sieve; 10-50% passing the #40 sieve; 0-20% passing the #100 sieve; 0-5% passing the #200 sieve.
- \*NOTE: The percent passing the #40 sieve can be increased to no greater than 75% if the percent passing the #100 sieve does not exceed 10% and the #200 sieve does not exceed 5%.
- The "Select Fill Material" shall be in place and percolation tested prior to septic system installation. The select fill percolation rate should be 1" in 10 minutes or better.
- All fill material will be placed in accordance with the fill material, placement and inspection as specified by the Design Manual & Design Engineer. Usually placed on the perimeter of the leaching area then spread with a small crawler or tractor. Permits (such as a grading permit) may be needed.
- The responsibility for the preparation of a leaching area utilizing "select material" is that of the licensed installer. The installer shall take the necessary steps to protect the underlying naturally occurring soils from overcompaction and siltation once exposed.
- Topsoil under septic area to be removed and soil to be scarified. A scarification inspection by the Health Department Sanitarian, design engineer and the licensed installer of record shall be conducted prior to the placement of any "select material" or fill in the Primary Leaching Area. If there are any problems noted during inspection (by the Sanitarian, Engineer or Installer) further testing and/or permit revocation may take place in order to confirm conformance with the proposed design criteria and protection of the SSS.
- The contractor shall contact the Engineer & Department of Health at least 24 hours prior to the start of the scarification process for the leaching area or the installation will not be approved.
- An "As-Built" plan, certified by a professional engineer shall be submitted for review and approval by the Health Department before a "Permit to Discharge" is issued.
- Soil test are only indicators of actual soil conditions, that may vary throughout the septic area. No Warranty is expressed or implied on uniform soil conditions.
- Call before you dig 1-800-922-4455.
- Any tight-joint tank must meet the ASTM C-1227 standards and the septic installer is responsible to provide documentation of such.



**PERCOLATION-SOIL TEST RESULTS IN SEPTIC AREA:**

Test Hole	Soil Profile	Percolation Rate
T.H. 24B (5/17/07)	0"-8" Topsoil 8"-32" Orange Tan Fi. Sa. Loam 32"-77" Olive Tan Med. Sa. with Gravel and Few Stones	T.H. 24 0"-13" Topsoil 13"-26" Orange Brwn. Fi. Silty Sa. 26"-100" Tan Fi. Sa. with Few 3-10" Rocks
T.H. 24K (10/25/07)	0"-7" Topsoil 7"-25" Orange Tan Fi. Silty Sa. with Many Rocks 25"-84" Tan Fi. Sa. with Many Rocks 3"-18"	T.H. 24C (5/17/07) 0"-9" Topsoil 9"-33" Orange Brwn. Fi. Silty Sa. 33"-95" Tan Med. Sa. with Gravel and Broken Rock
T.H. 101 (2/7/25)	0"-8" Topsoil 8"-36" Or. Brwn. S. L. 36"-86" Tan Sa. Till	T.H. #102 (2/7/25) 0"-8" Topsoil 8"-30" Or. Brwn. S. L. 30"-64" Tan Silty Till
Perc. 102 (2/7/25)	Depth 24" Diameter 8" Presoak 9:30 10:40 12" 10:50 18" (Drop 6") 11:00 22" (Drop 4") 11:10 DRY Rate: 1" in 2.5 Minutes	No Water No Mottling Refusal Ledge @ 64"

**MLSS (Minimum Leaching System Spread)**

Restrictive Layer Slope	=	T.P. #24 B @ 54" T.P. #24J @ 44"
H. F.	=	8.1 TO 10%
Flow Factor	=	16
Percolation Factor	=	3.2
MLSS	=	1.0
	=	51.2 LF

**DESIGN FLOW:**

30 Employees @ 25 GPD/Employee	=	750 GPD
10 Employees @ 20 GPD/Employee	=	200 GPD
<b>TOTAL:</b>		<b>950 GPD</b>

**FROM TABLE 8 APPLICATION RATE:**

ELA = 950 GPD/1.2 = 791.66, Say 792 ELA

PROPOSE: 112 LF OF 30" Tee Pee Galleries (ELA = 7.4 LF) 112 x 7.4 = 828.8 ELA  
AND 1,500 Gallon H-20 Loaded Septic Tank

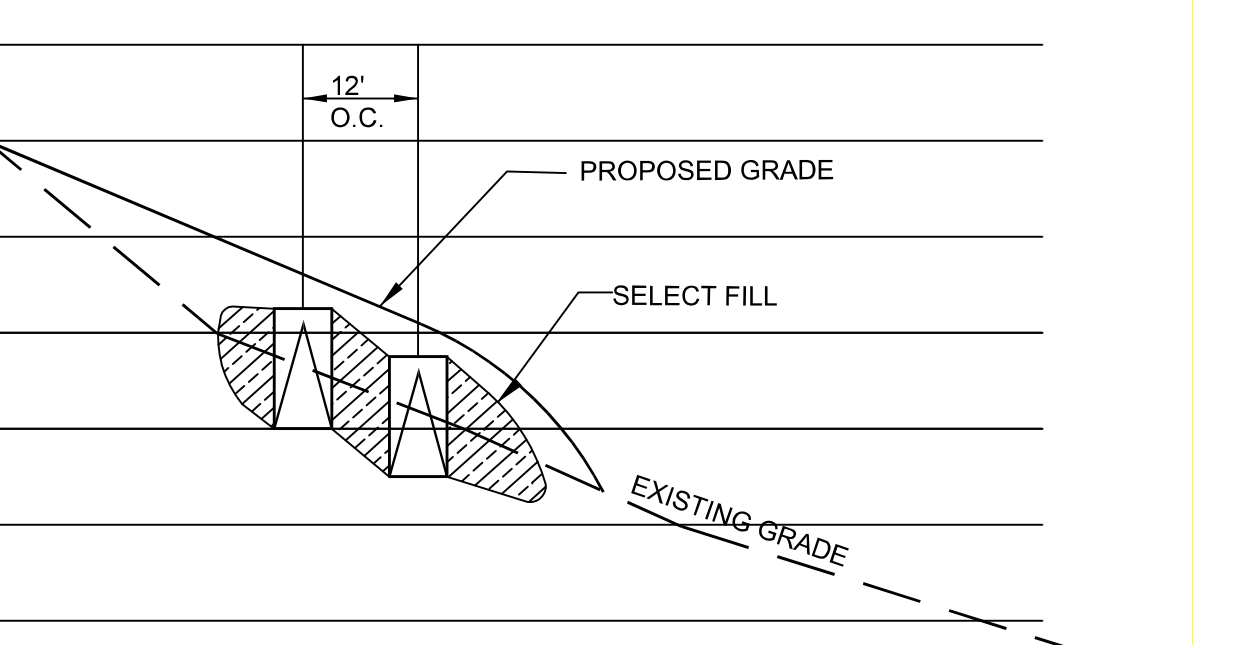
**NOTE: RESERVE AREA IN NEWTOWN**

**ELEVATIONS**

Building Sewer Inv. =	451.5
Septic Tank Inv. In =	447.0
Inv. Out =	446.75

**LEACHING FIELD**

NO.	TOP	INV. OUT	INV. (to trench)	BOTTOM	WATER (mottling)	LEDGE
1	444.5	444.25	444.0	442.0	439.5	N/A
2	443.5		443.0	441.0	439/5	

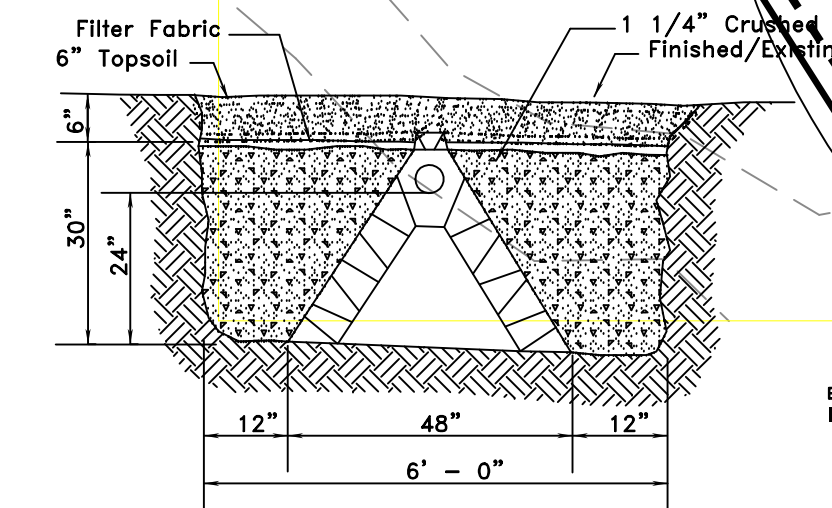


**SECTION A-A**

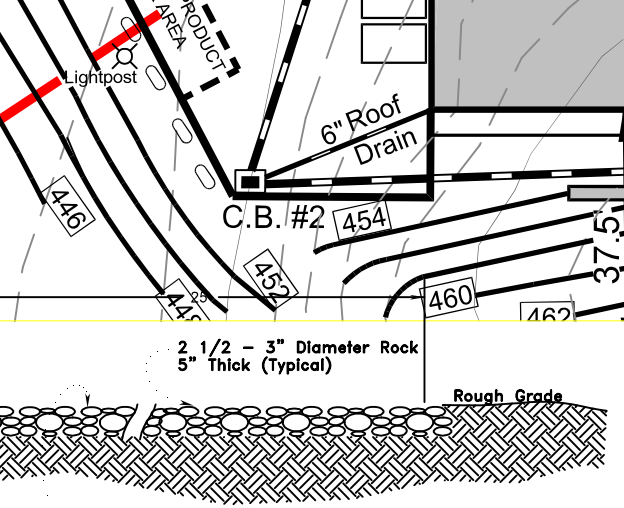
SCALE: 1" = 20' Horiz., 1" = 4' Vert.

**LEGEND**

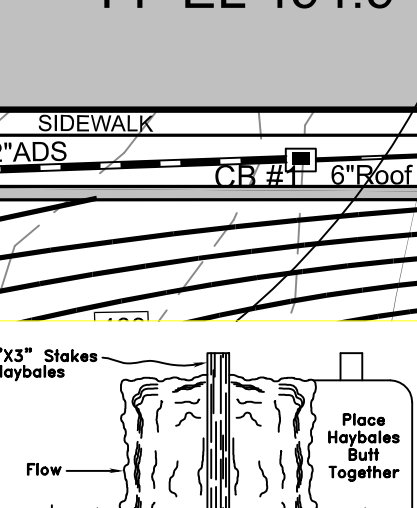
SYMBOL	DESCRIPTION
(Circle with cross)	Test Hole
(Circle with dot)	Perc. Hole
(Dashed line)	Existing Contour
(Solid line)	Existing Contour
(Line with dots)	Existing Spot Elev.
(Line with triangles)	Proposed Contour
(Line with squares)	Proposed Spot Elev.
(Line with circles)	Stone Wall
(Line with diamonds)	Wetland Boundary
(Line with crosses)	Exist. Edge of Pavement
(Line with asterisks)	Silt Fence or Staked Hay Bales



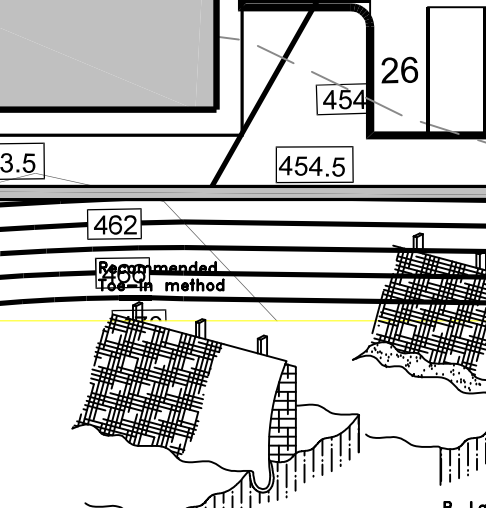
**TYPICAL SECTION OF 30" TEEPEE GALLERY**  
Not To Scale



**ANTI-TRACKING APRON**  
N.T.S.



**STAKED HAY BALES**  
N.T.S.



**SILT FENCE DETAIL**  
N.T.S.

- NOTES:**
- Septic cleanout to have metal covers or manhole covers for protection of heavy equipment.
  - Septic tank to have manholes to grade.

ALAN B. SHEPARD P.E. #18198  
This Map is NOT VALID without a LIVE SIGNATURE & EMBOSSED SEAL.

SEPTIC PLAN  
PREPARED FOR  
**R. STONE CO, LLC**  
169 ENTERPRISE DRIVE  
MONROE/NEWTOWN, CONNECTICUT  
SCALE: 1" = 30'  
DATE: OCTOBER 8, 2020  
REVISED: 11/5/20, 1/5/21, 2/11/21  
2-20-25, 9/3/25, 9/22/25

CIVIL ENGINEERING  
**NOK**  
LAND SURVEYING

NOWAKOWSKI - O'BYMACHOW - KANE, ASSOCIATES  
CIVIL ENGINEERING & LAND SURVEYING  
415 HOWE AVE., SHELTON, CT 06484  
PHONE: (203) 924-7745, FAX: (203) 924-7526  
Records Since 1992

**SOIL TEST RESULTS:**

Testing Performed: 10/5/05

T.H. 2142  
0"-10" Topsoil  
10"-26" Yell. Brwn. FSL  
26"-96" Yell. Tan Sa. with Silt

No Water  
Mottling @ 33"  
No Ledge

T.H. 2143  
0"-10" Topsoil  
10"-33" Yell. Brwn. Fi. Silt and Sa.  
33"-90" Yell. Tan Fi. Sa. Silt

No Water  
Mottling @ 33"  
No Ledge

T.H. 2144  
0"-12" Topsoil  
12"-40" Orange Brwn. Fi. Si. Sa.  
40"-84" Yell. Tan Fi. Sa. Silt

No Water  
Mottling @ 40"  
Ledge @ 84"

Testing Performed 5/17/07

T.H. 24A  
0"-13" Topsoil  
13"-47" Orange Tan Fi. Si. Sa.  
47"-80" Tan Med. Sa. w. Few Stones

No Water  
Mottling @ 47"  
Ledge @ 80"

T.H. 24B  
0"-8" Topsoil  
8"-32" Orange Tan Fi. Sa. Loam  
32"-77" Olive Tan Med. Sa. with Gravel and Few Stones

No Water  
Mottling @ 54"  
Ledge @ 77"

T.H. 24C

0"-9" Topsoil  
9"-33" Orange Brwn. Fi. Silty Sa.  
33"-95" Tan Med. Sa. with Gravel and Broken Rock

No Water  
No Mottling  
Ledge @ 95"

Testing Performed 9/13/07:

T.H. 24E  
0"-8" Topsoil  
8"-37" Or.-Brn. Fi. Silty Sa.  
37"-96" Li. Tan Med. Sa. w/Some Gravel

No Water  
R.F. @ 38"  
No Ledge

T.H. 24F  
0"-8" Topsoil  
8"-34" Or.-Brn. Fi. Silty Sa.  
34"-93" Olive-Tan Med. Sa. w/Some Gravel

No Water  
R.F. @ 34"  
No Ledge

T.H. 24G  
0"-8" Topsoil  
8"-39" Or.-Brn. Fi. Silty Sa.  
39"-96" Olive Tan Very Coarse Sa. & Gravel

No Water  
R.F. @ 44"  
No Ledge

Testing Performed 10/25/07

T.H. 241  
0"-9" Topsoil  
9"-32" Orange Tan Fi. Silty Sa.  
32"-116" Tan Fi. Sa. with Few 3-10" Rocks

No Water  
No R.F.  
NO Ledge

T.H. 24J  
0"-13" Topsoil  
13"-26" Orange Brwn. Fi. Silty Sa.  
26"-100" Tan Fi. Sa. with Few 3-10" Rocks

No Water  
R.F. @ 44"  
No Ledge

T.H. 24K  
0"-7" Topsoil  
7"-25" Orange Tan Fi. Silty Sa. with Many Rocks  
25"-84" Tan Fi. Sa. with Many Rocks 3"-18"

No Water  
No R.F.  
No Ledge

T.H. 24L  
0"-9" Topsoil  
9"-23" Orange Brwn. Fi. Silty Sa.  
23"-88" Olive Tan Fi. Si. Sa. with Few 3" Rocks

Water @ 71"  
R.F. @ 30"  
NO Ledge

T.H. 24M  
0"-9" Topsoil  
9"-22" Orange Brwn. Fi. Silty Sa.  
22"-86" Olive Tan Fi. Si. Sa. with Many Rocks 3-10"

Water @ 78"  
R.F. @ 28"  
No Ledge

**PERCOLATION TEST RESULTS:**

Testing Performed 10/18/05

Perc. #228  
Hole Collapsed  
Rerun as Perc.#234 and Perc.#235

Perc. #229  
Depth 26"  
Diameter 9"  
Presoak 12:35

3:40 9"  
3:50 13"  
4:00 15 1/2"  
4:10 16 3/4"  
4:20 18"  
4:30 19"  
4:40 DRY

Rate: 1"/10 Minutes

Testing Performed 10/19/05:

Perc.# 234  
Depth 23"  
Diameter 7"  
Presoak 10\*40

12:17 5 1/2"  
12:27 12 1/2"  
12:37 15 1/4"  
12:47 16 3/4"  
12:57 17 3/4"  
1:07 18 1/2"  
1:17 19 1/4"

Rate: 1"/Less than 14 Minutes

Perc. #235  
Depth 20"  
Diameter 7"  
Presoak: 10:35

12:16 4 1/2"  
12:26 13"  
12:36 16 1/2"  
12:46 DRY @ 18 1/2"

Rate: 1"/3 Minutes  
1:07 18 1/2"  
1:17 19 1/4"

Rate" 1"/Less Than 14 Minutes

Testing Performed 5/17/07:

Perc. #24A  
Depth 21"  
Diameter 10"  
Presoak 11:50

2:59 6"  
3:09 12"  
3:19 14 3/8"  
3:29 16 1/8"  
3:39 17 3/8"  
3:49 DRY

Rate: 1"/Less than 10 Minutes

Perc. #24B  
Depth 19"  
Diameter 7"  
Presoak 12:00

3:00 4 1/2"  
3:10 11 3/4"  
3:20 14 7/8"  
3:30 DRY

Rate: 1"/Less than 10 Minutes

Perc. #24E  
Depth 20"  
Diameter 8"  
Presoak 12:00

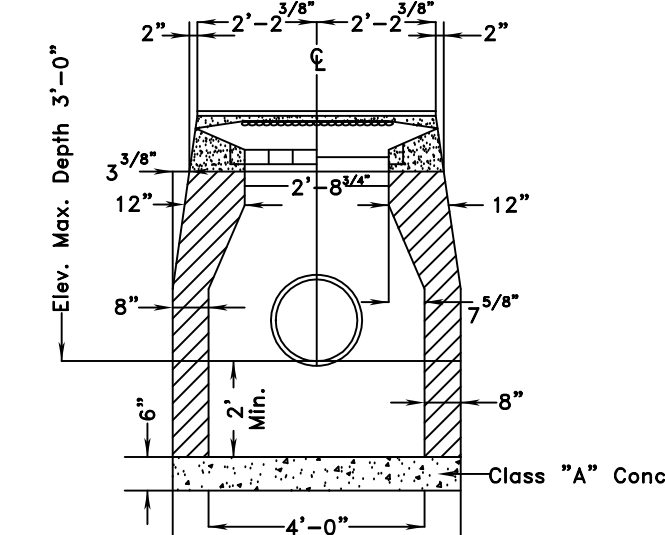
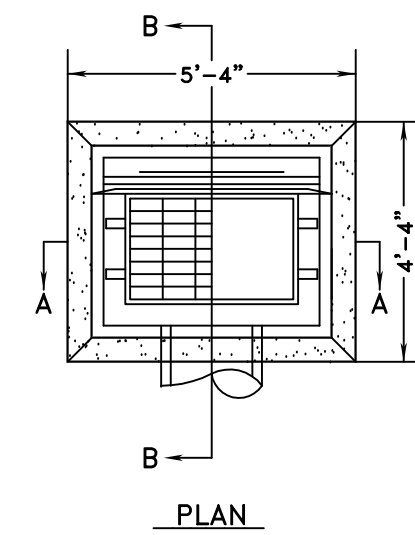
2:08 7"  
2:18 12"  
2:28 14 1/4"  
2:38 16 3/8"  
2:48 DRY

Rate: 1"/1-10 Minutes

Perc. #24F  
Depth 18"  
Diameter 8"  
Presoak 12:05

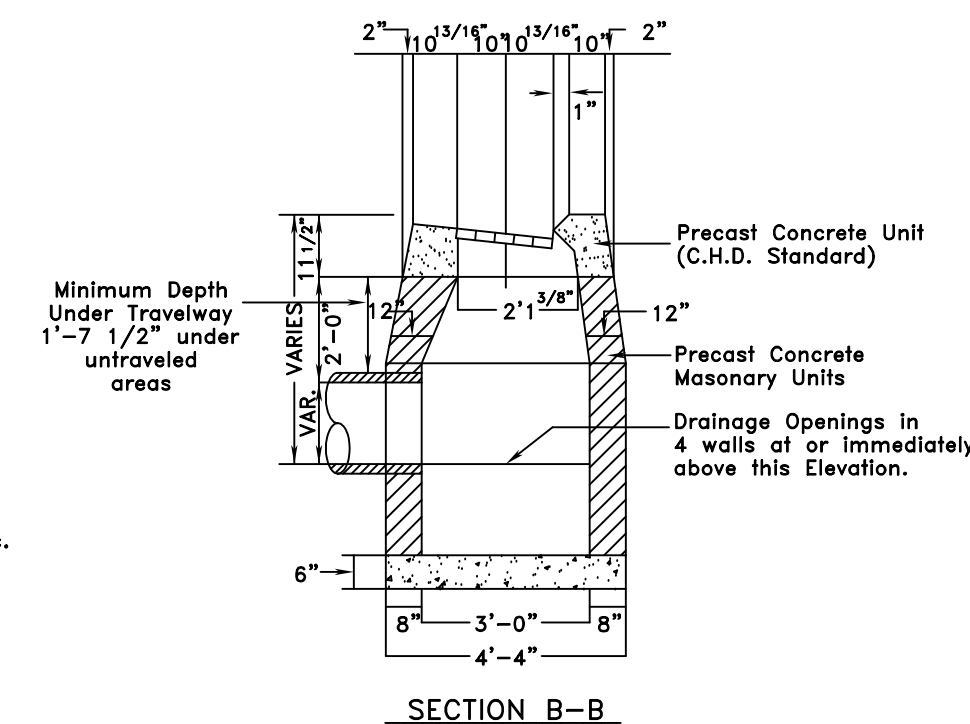
2:09 3 3/4"  
2:19 10 3/4"  
2:29 13 7/8"  
2:39 DRY

Rate: 1"/1-10 Minutes

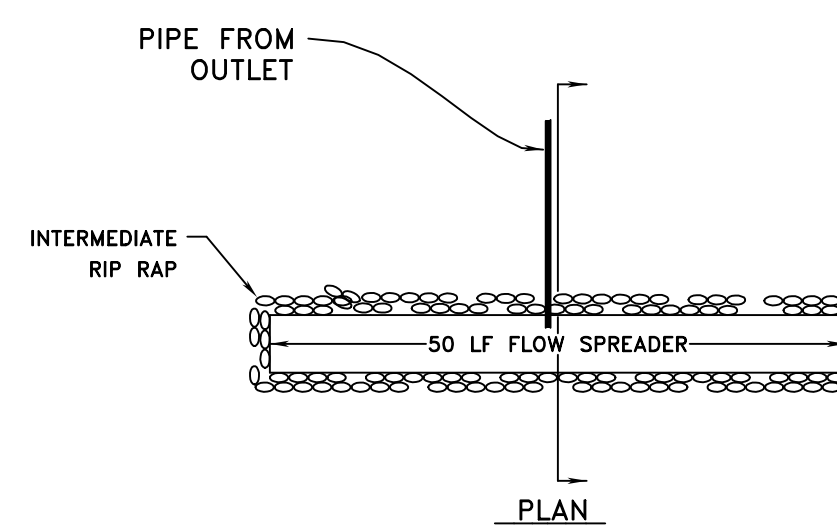


SECTION A-A

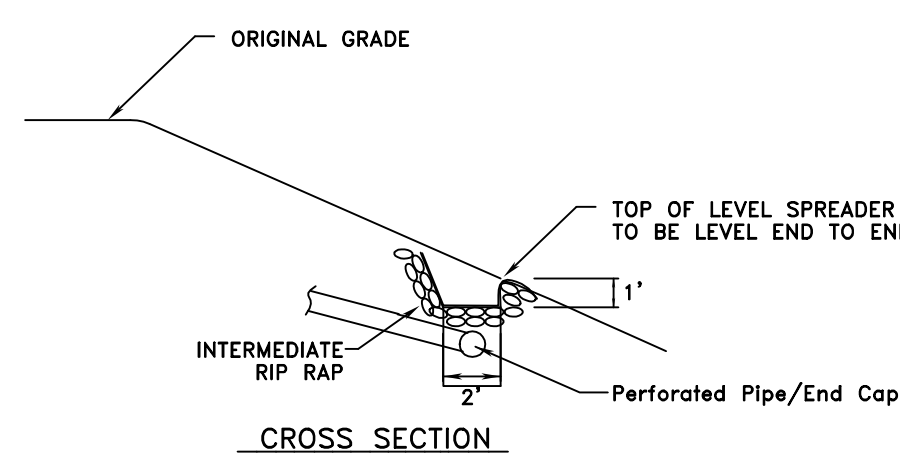
- NOTE**
- Dimensions shown are minimums. Actual inside dimensions are based on  $D = 1 = 0'$ , where D is the horizontal.
  - Inside diameter measured flush to the wall.
  - Dimensions shown are minimums. Actual outside dimensions are based on inside dimensions plus 2 X the wall thickness.
  - Where height of basin from top of curb to bottom of basin is greater than 10' - 0" wall thickness is to be increased to 12".
  - All pipes to be cut flush with inside wall of structure.



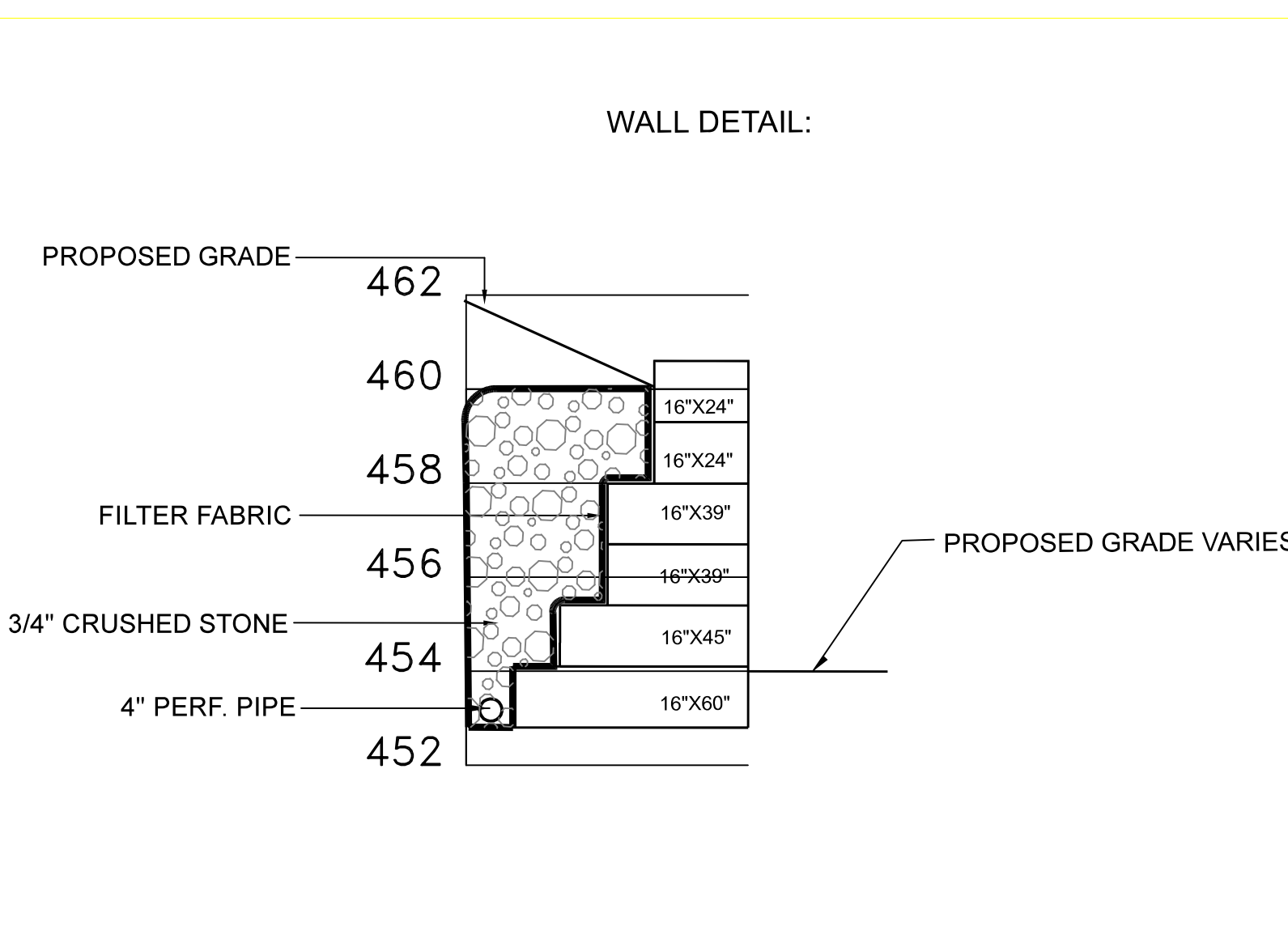
SECTION B-B



TYPE "C" CATCH BASIN WITH 2' SUMP  
NOT TO SCALE

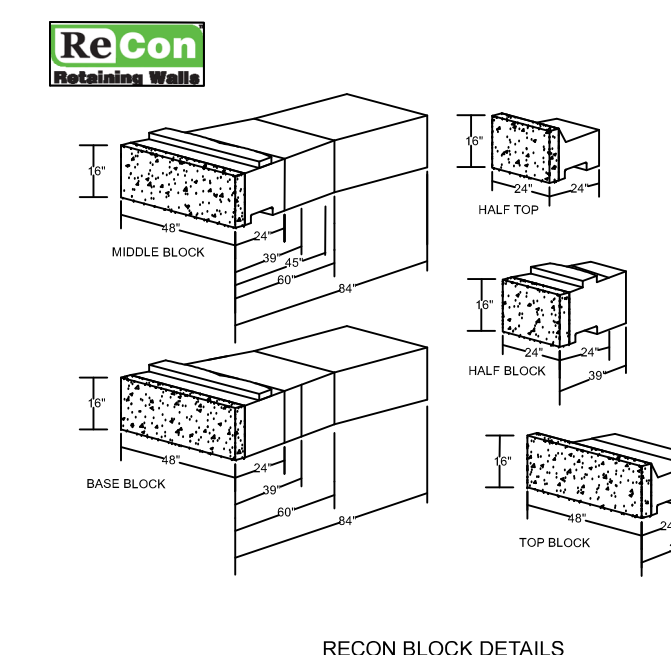


LEVEL SPREADER DETAIL  
N.T.S.  
FOR DETENTION AREA OUTLET

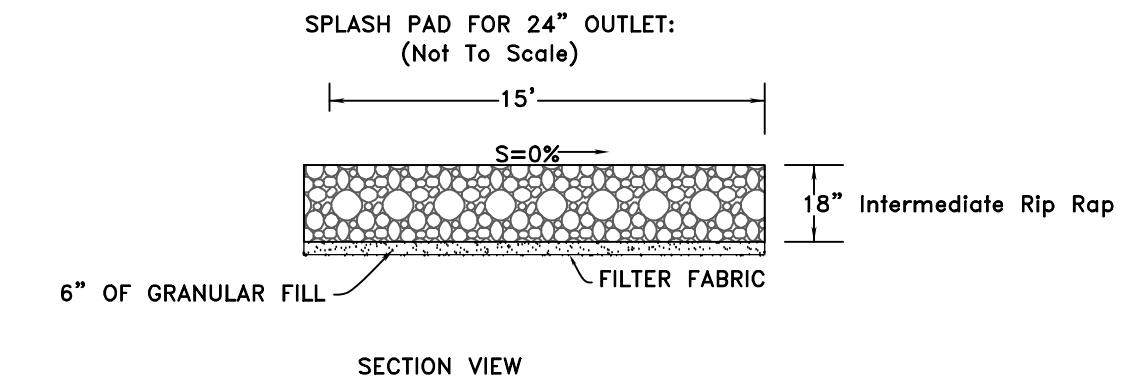


WALL DETAIL:

**DUMPSTER DETAIL:**

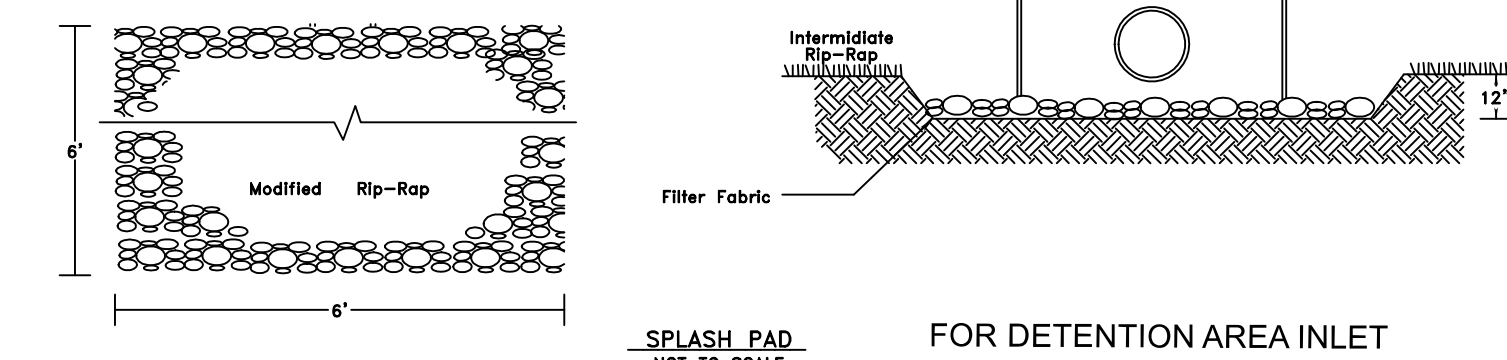


RECON BLOCK DETAILS



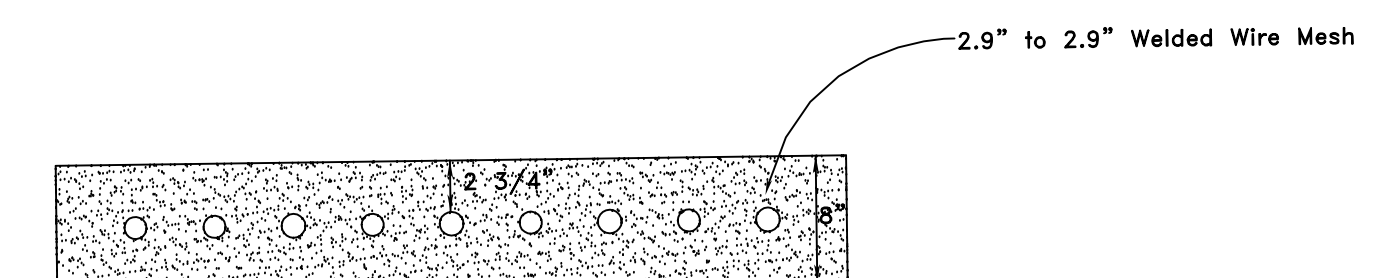
SECTION VIEW

**MODIFIED RIP RAP APRON OUTLET PROTECTION**  
(Not To Scale)



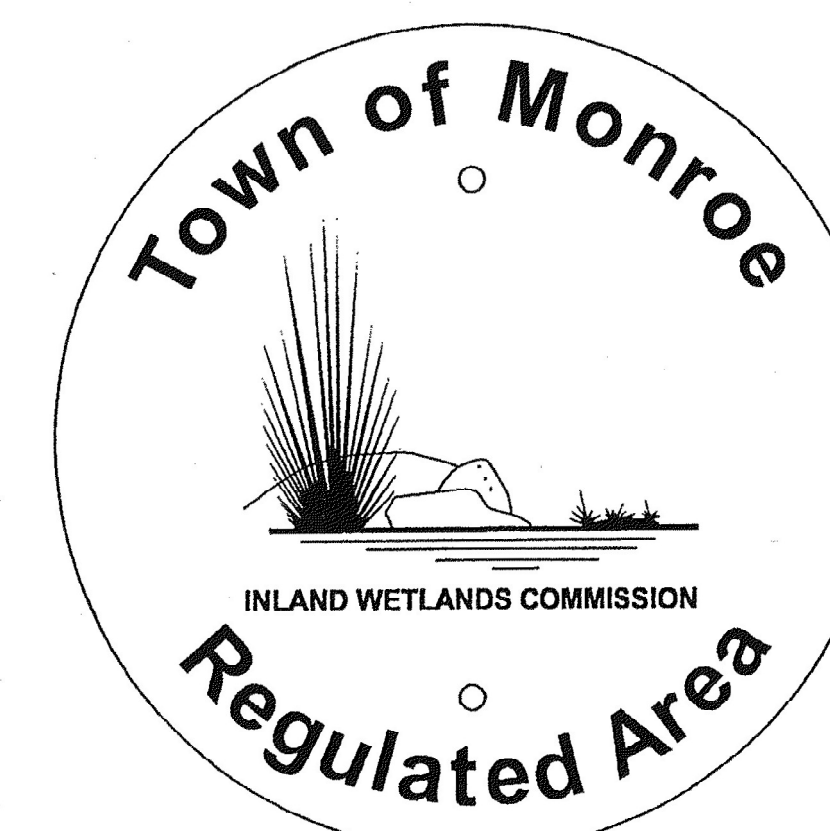
SPLASH PAD

FOR DETENTION AREA INLET

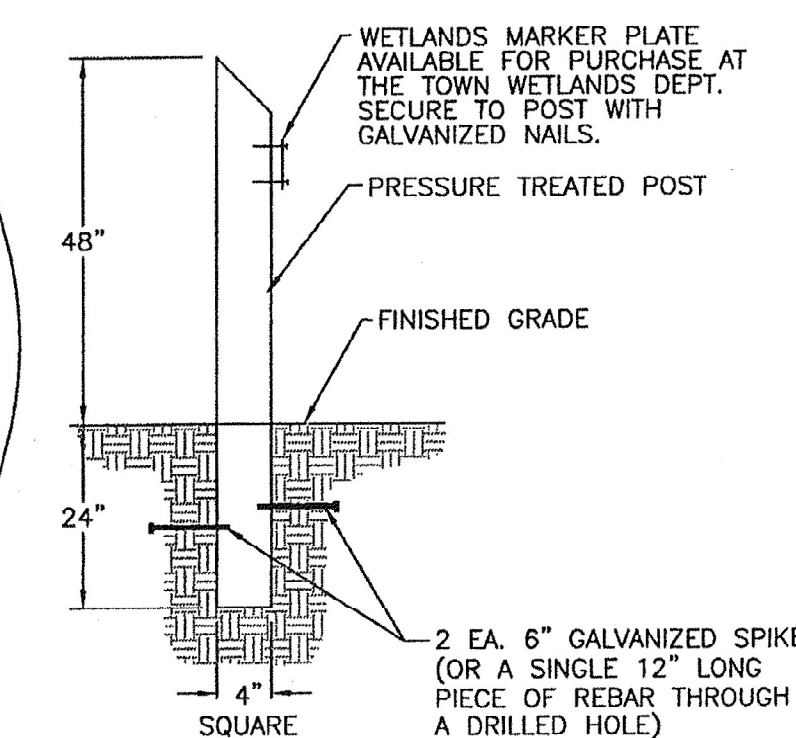


NOTE: CONTRACTOR SHALL CONFORM AT LEAST 12" OF SUITABLE AGGREGATE BASE MATERIAL. ANY UNSUITABLE MATERIAL TO BE REPLACED.

8" CONCRETE SLAB DETAIL  
FOR ROCK STORAGE BINS



MARKER PLATE DETAIL  
N.T.S.



POST DETAIL  
N.T.S.

NOTE: THIS MARKER POST SHOULD BE INSTALLED ALONG THE WETLAND UPLAND REVIEW LINE (100 FT. OUTSIDE THE ACTUAL WETLANDS) AT A DISTANCE AS DETERMINED BY THE INLAND WETLANDS COMMISSION, WITH A MAX. DISTANCE OF 75 FT. APART, AND/OR AT POINTS OF CURVATURE, CHANGES IN ALIGNMENT OR ANGLE POINTS.

INLAND WETLANDS  
MARKER AND POST DETAILS

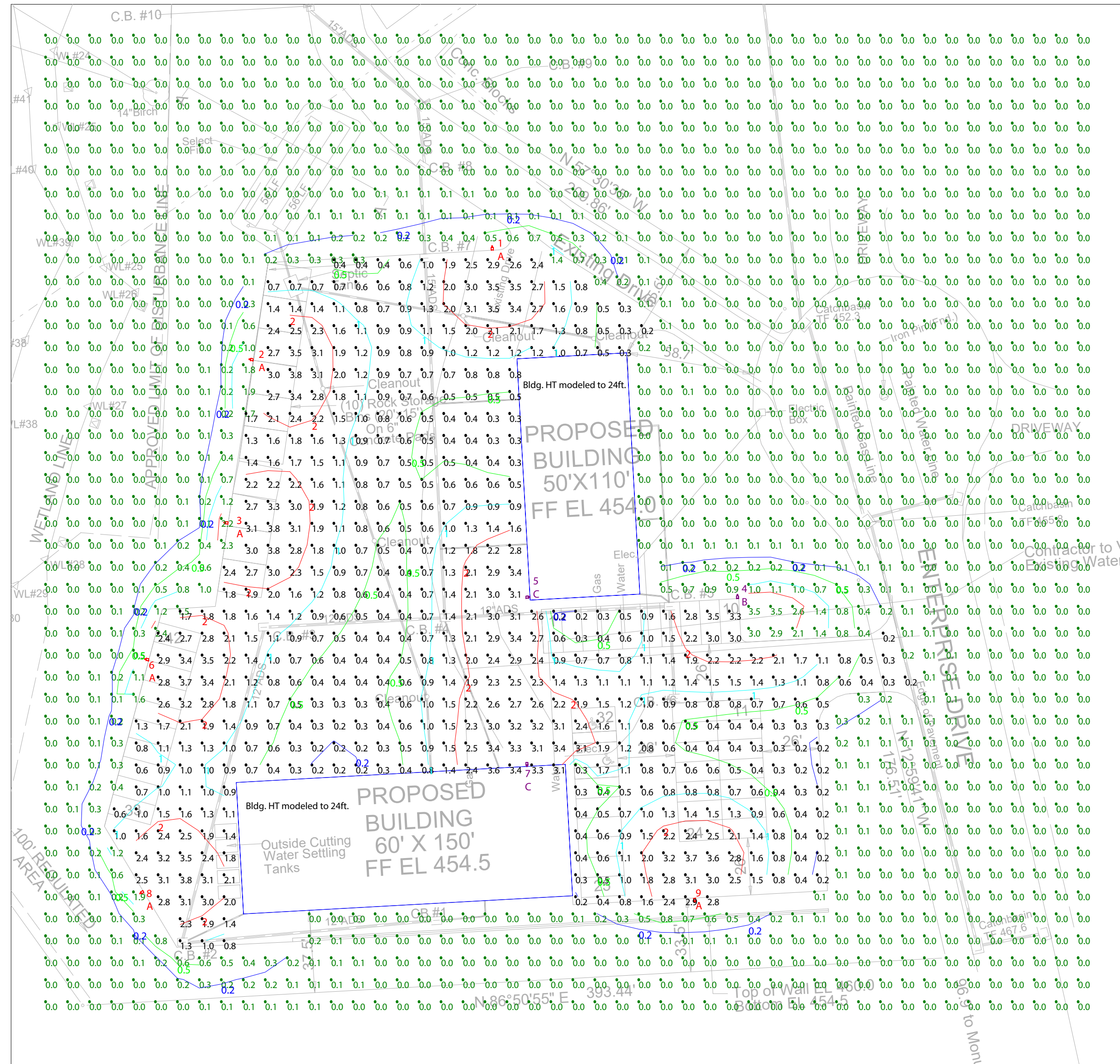
ALAN B. SHEPARD P.E. # 16198  
This Map is NOT VALID without a  
LIVE SIGNATURE & EMBOSSED SEAL.

SOIL TEST RESULTS AND DETAIL SHEET  
PREPARED FOR  
**R. STONE CO, LLC**  
169 ENTERPRISE DRIVE  
MONROE/NEWTOWN, CONNECTICUT  
SCALE: 1" = 0'  
DATE: OCTOBER 8, 2020  
REVISED: 11/5/20, 1/5/21, 2/11/21, 2/20/25, 9/3/25, 9/22/25

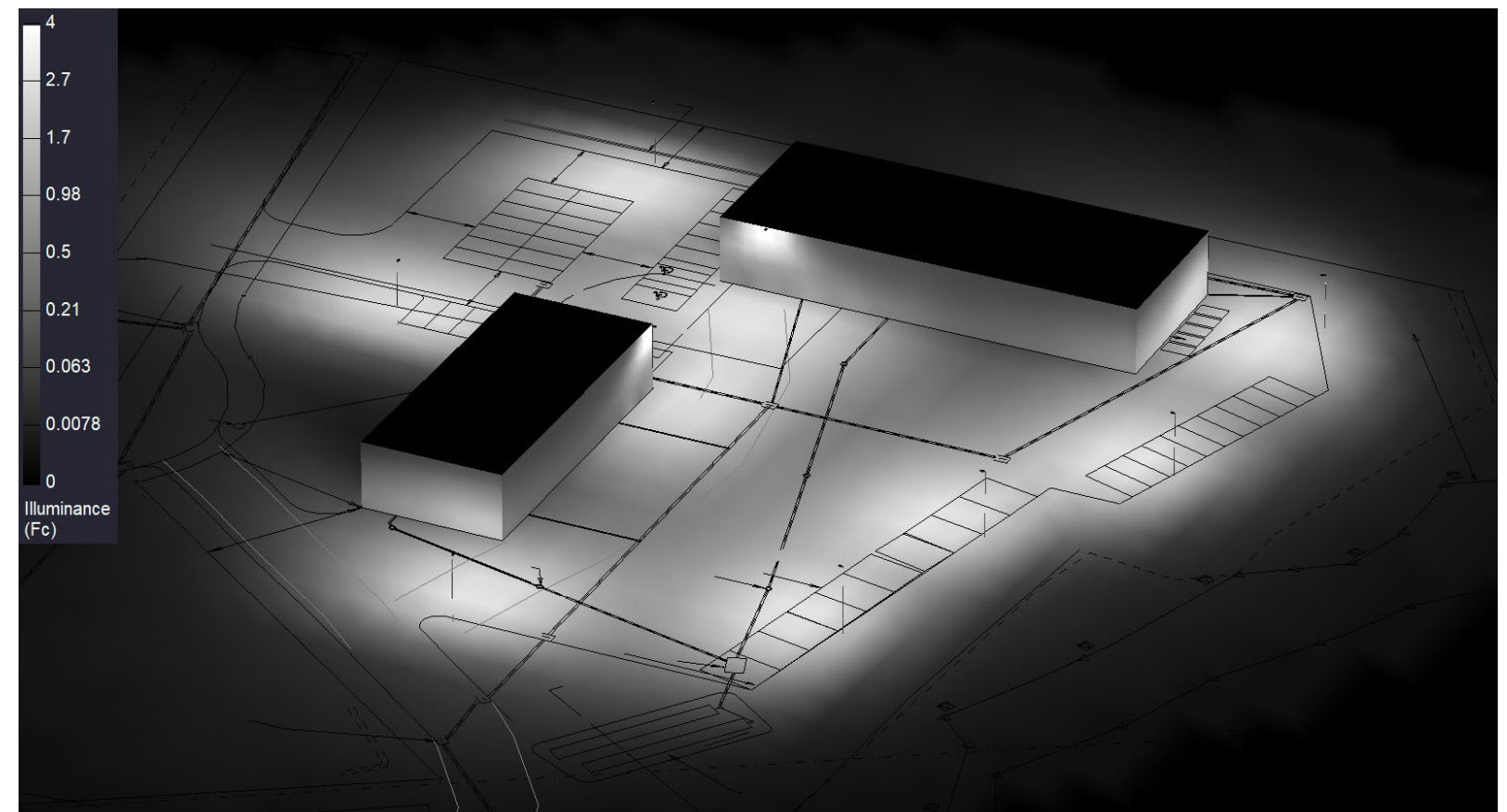
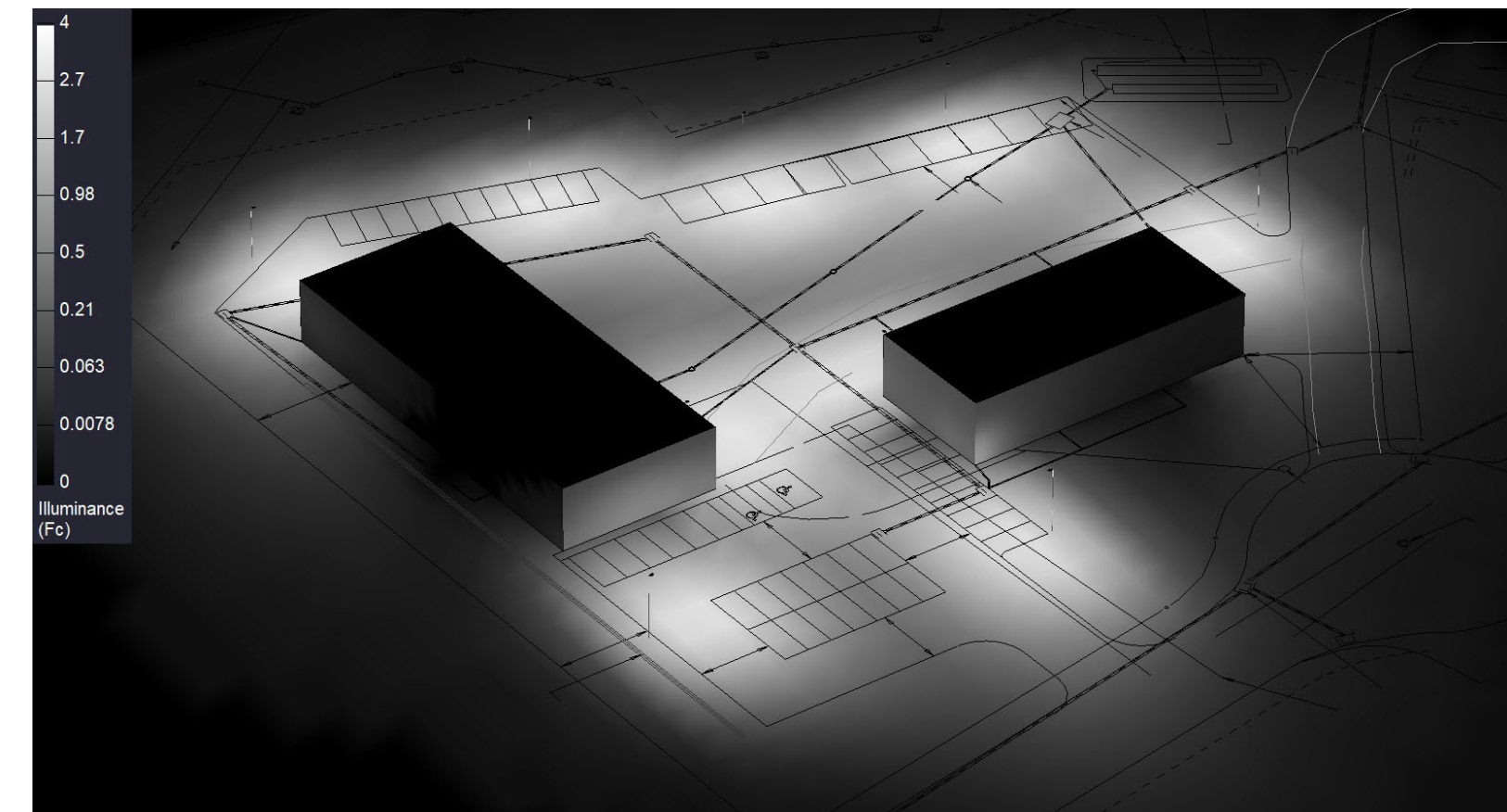
MAP#	A-4356	SEARCH	5243	FB/PG	569/25	DRAWING	202804
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CIVIL ENGINEERING  
**NOK**  
LAND SURVEYING

NOWAKOWSKI - O'BYMACHOW - KANE, ASSOCIATES  
CIVIL ENGINEERING & LAND SURVEYING  
415 HOWE AVE., SHELTON, CT 06484  
PHONE: (203) 924-7745, FAX: (203) 924-7526  
Records Since 1992



Scale: 1 inch= 40 Ft.



**Calculation Summary**

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description	PtSpclr	PtSpctb	Meter Type
Parking and Storage Area	Illuminance	Fc	1.36	3.8	0.2	6.80	19.00	readings taken at grade	10	10	Horizontal
Site	Illuminance	Fc	0.07	3.5	0.0	N.A.	N.A.	readings taken at grade	10	10	Horizontal

**Luminaire Schedule** All quotes/orders generated from this layout must be forwarded to the Local Rep Agency

Symbol	Qty	Tag	Label	Arrangement	LLF	Description	BUG Rating
	6	A	ALEDM4T @78W_5K	Single	1.000	Pole mount	B1-U0-G3
	1	B	ALEDM3T @78W_5K	Single	1.000	Pole mount	B1-U0-G2
	2	C	ALEDM3TWM @78W_5K	Single	1.000	Wall mount	B1-U0-G2

\* 20 ft pole on 4 ft base by other

**Expanded Luminaire Location Summary**

LumNo	Tag	X	Y	MTG HT	Orient
1	A	14793.495	10324.166	24	273.151
2	A	14682.848	10272.573	24	351.278
3	A	14671.437	10198.242	24	351.278
4	B	14905.145	10165.52	24	271.949
5	C	14810.728	10164.261	24	181.22
6	A	14635.355	10136.105	24	347.252
7	C	14809.368	10087.135	24	91.563
8	A	14633.17	10029.284	24	30.924
9	A	14885.789	10025.307	24	92.467
Total Quantity: 9					

**Luminaire Tag Summary**

Tag	Qty
A	6
B	1
C	2

**NOTES:**

- \* The light loss factor (LLF) is a product of many variables, only lamp lumen depreciation (LLD) has been applied to the calculated results unless otherwise noted. The LLD is the result (quotient) of mean lumens / initial lumens per lamp manufacturers' specifications.
- \* Illumination values shown (in footcandles) are the predicted results for planes of calculation either horizontal, vertical or inclined as designated in the calculation summary. Meter orientation is normal to the plane of calculation.
- \* The calculated results of this lighting simulation represent an anticipated prediction of system performance. Actual measured results may vary from the anticipated performance and are subject to means and methods which are beyond the control of RAB Lighting Inc.
- \* Mounting height determination is job site specific, our lighting simulations assume a mounting height (insertion point of the luminaire symbol) to be taken at the top of the symbol for ceiling mounted luminaires and at the bottom of the symbol for all other luminaire mounting configurations.
- \* It is the Owner's responsibility to confirm the suitability of the existing or proposed poles and bases to support the proposed fixtures, based on the weight and EPA of the proposed fixtures and the owner's site soil conditions and wind zone. It is recommended that a professional engineer licensed to practice in the state the site is located be engaged to assist in this determination.
- \* The landscape material shown hereon is conceptual, and is not intended to be an accurate representation of any particular plant, shrub, bush, or tree, as these materials are living objects, and subject to constant change. The conceptual objects shown are for illustrative purposes only. The actual illumination values measured in the field will vary.
- \* Photometric model elements such as buildings, rooms, plants, furnishings or any architectural details which impact the dispersion of light must be detailed by the customer documents for inclusion in the RAB lighting design model. RAB is not responsible for any inaccuracies caused by incomplete information on the part of the customer, and reserves the right to use best judgement when translating customer requests into photometric studies.
- \* RAB Lighting Inc. luminaire and product designs are protected under U.S. and International intellectual property laws. Patents issued or pending apply.

The Lighting Analysis, eLayout, Energy Analysis and/or Visual Simulation ("Lighting Design") provided by RAB Lighting Inc. ("RAB") is for informational purposes only. RAB does not warrant, either implied or stated, nor represents the appropriateness, completeness or suitability of the Lighting Design. RAB neither warrants, either implied or stated, nor represents the appropriateness, completeness or suitability of the Lighting Design. RAB Lighting Inc. ("RAB") is not responsible for any inaccuracies caused by incomplete information on the part of the customer, and reserves the right to use best judgement when translating customer requests into photometric studies. RAB Lighting Inc. luminaire and product designs are protected under U.S. and International intellectual property laws. Patents issued or pending apply.

PROJECT # 165245  
CASE # 01759938  
Date: 9/26/2025  
Filename: Monroe Stone Yard 01759938C.AGI  
Drawn By: AJ Zuniga

Job Name: Monroe Stone Yard  
Monroe, CT  
Lighting Layout  
Version C

Prepared For:  
Hobbrook Associated  
35 Reservoir Park Drive  
Rockland, MA 02370  
Tel: 781-871-0011



Filename: C:\Users\aj.zuniga\Desktop\Projects\Monroe Stone Yard-Revision\4KG.AGI\Monroe Stone Yard 01759938C.AGI