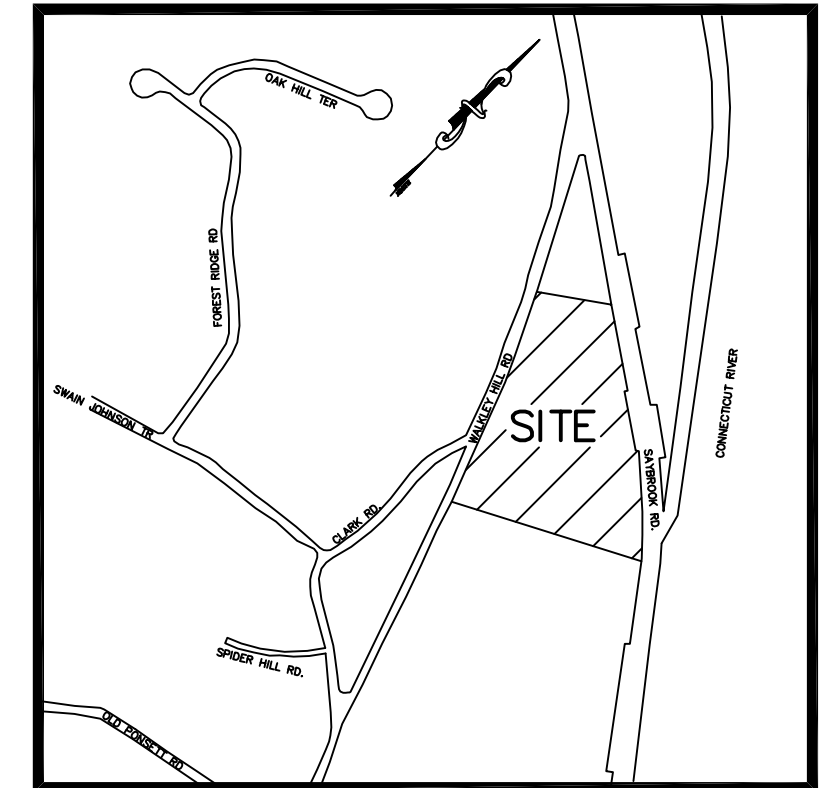
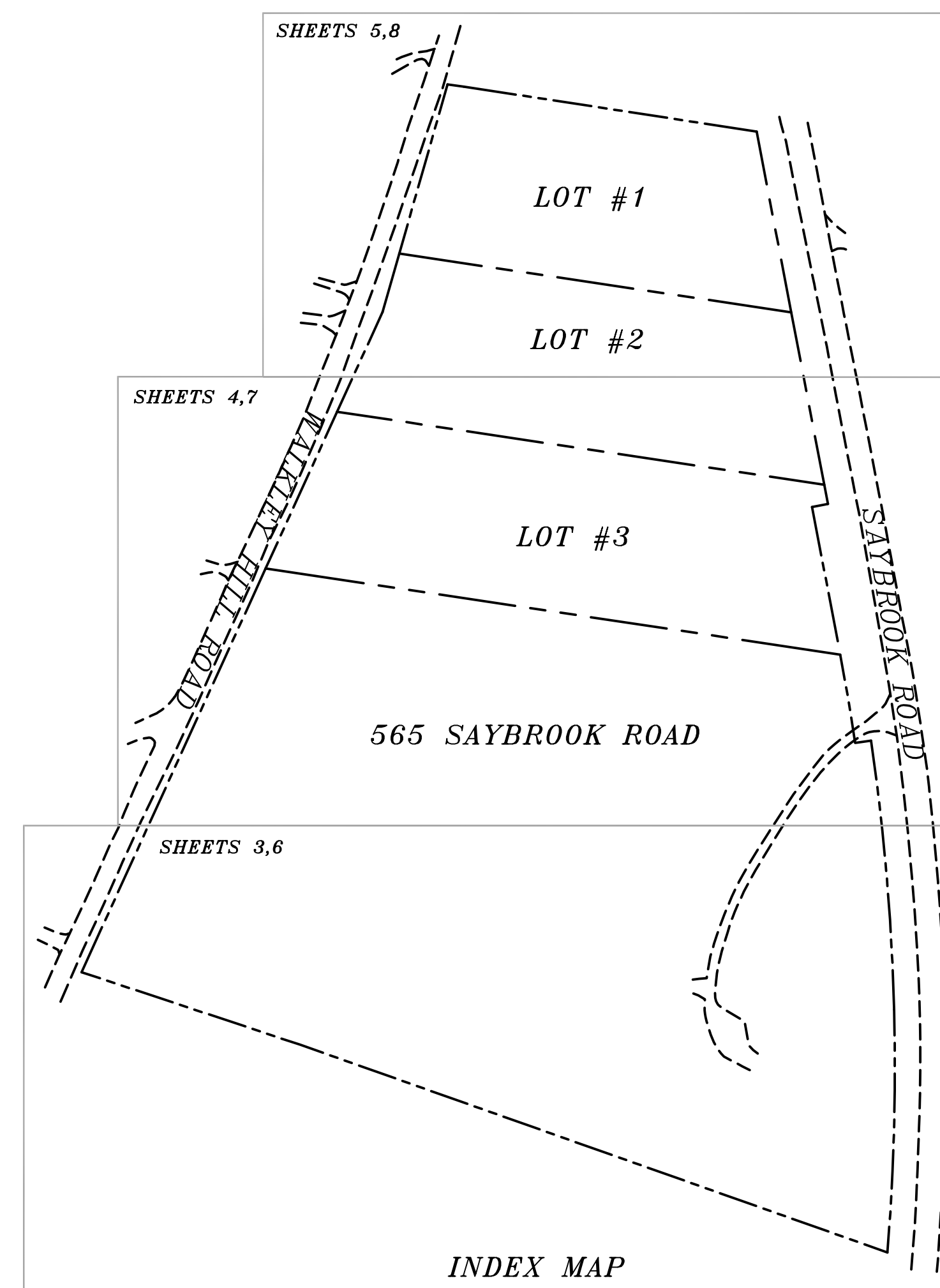


# RIVER VIEW

## SAYBROOK ROAD HADDAM, CONNECTICUT



Location Map  
1 Inch=1,000± Feet



PREPARED  
FOR

# CATHERINE RAGOZZINO

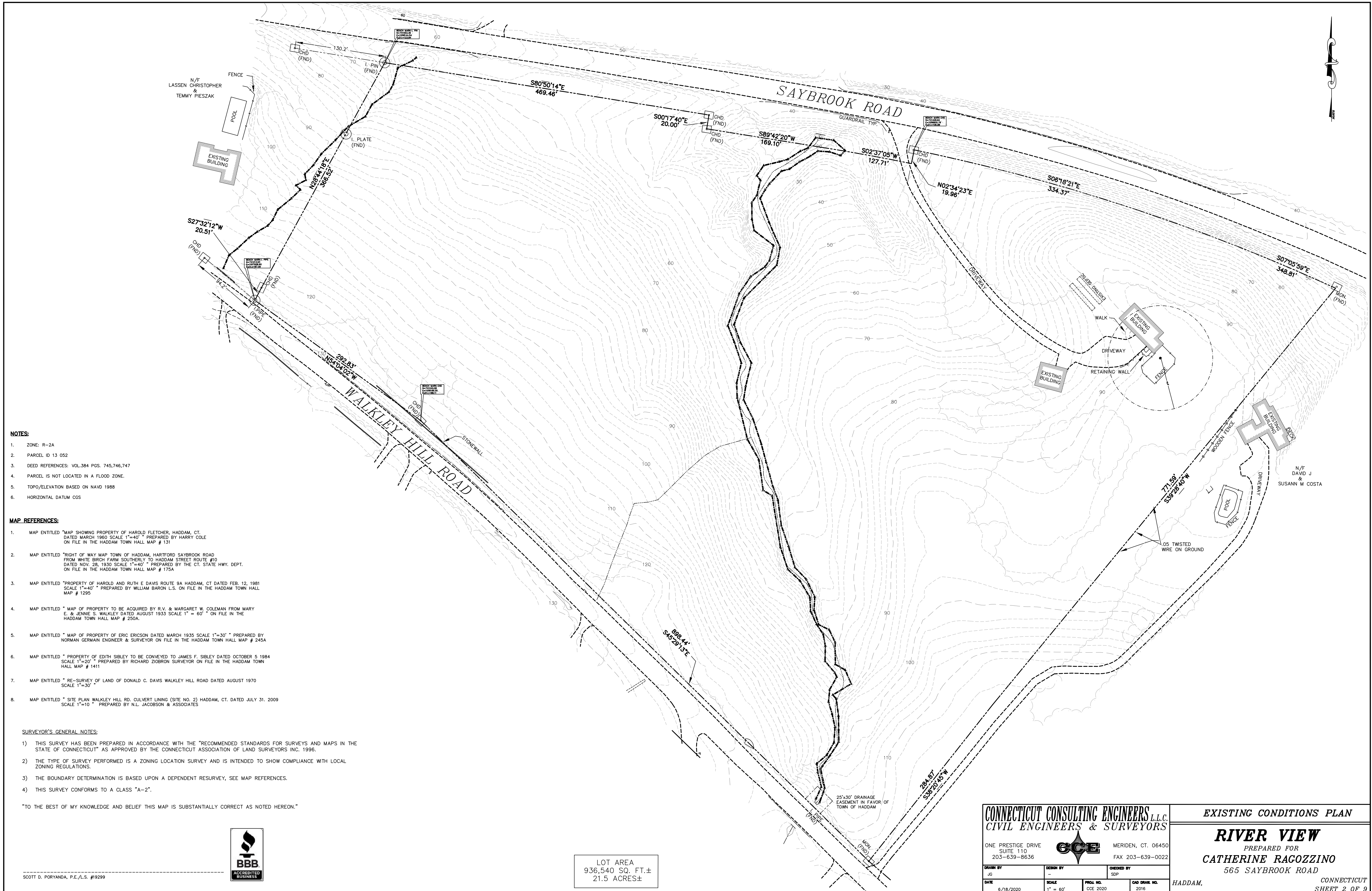
565 SAYBROOK ROAD  
HADDAM, CONNECTICUT  
PROJECT #2016  
MARCH 17, 2020

Prepared by:  
**CONNECTICUT CONSULTING ENGINEERS L.L.C.**  
PROFESSIONAL ENGINEERS & SURVEYORS

ONE PRESTIGE DRIVE  
MERIDEN, CT. 06450



203-639-8636  
FAX 203-639-0022



**NOTES:**

1. ZONE: R-2A
2. PARCEL ID 13 052
3. DEED REFERENCES: VOL.384 POS. 745,746,747
4. PARCEL IS NOT LOCATED IN A FLOOD ZONE.
5. TOPO/ELEVATION BASED ON NAVD 1988
6. HORIZONTAL DATUM CGS

**MAP REFERENCES:**

1. MAP ENTITLED "MAP SHOWING PROPERTY OF HAROLD FLETCHER, HADDAM, CT. DATED MARCH 1960 SCALE 1"=40" PREPARED BY HARRY COLE ON FILE IN THE HADDAM TOWN HALL MAP # 131
2. MAP ENTITLED "RIGHT OF WAY MAP TOWN OF HADDAM, HARTFORD SAYBROOK ROAD FROM WHITE BIRCH FARM SOUTHERLY TO HADDAM STREET ROUTE #10 DATED NOV. 28, 1930 SCALE 1"=40" PREPARED BY THE CT. STATE HWY. DEPT. ON FILE IN THE HADDAM TOWN HALL MAP # 175A
3. MAP ENTITLED "PROPERTY OF HAROLD AND RUTH E DAVIS ROUTE 9A HADDAM, CT DATED FEB. 12, 1981 SCALE 1"=40" PREPARED BY WILLIAM BARON L.S. ON FILE IN THE HADDAM TOWN HALL MAP # 1295
4. MAP ENTITLED "MAP OF PROPERTY TO BE ACQUIRED BY R.V. & MARGARET W. COLEMAN FROM MARY E. & JENNE S. WALKLEY DATED AUGUST 1933 SCALE 1" = 60" ON FILE IN THE HADDAM TOWN HALL MAP # 250A.
5. MAP ENTITLED "MAP OF PROPERTY OF ERIC ERICSON DATED MARCH 1935 SCALE 1"=30" PREPARED BY NORMAN GERMAIN ENGINEER & SURVEYOR ON FILE IN THE HADDAM TOWN HALL MAP # 245A
6. MAP ENTITLED "PROPERTY OF EDITH SIBLEY TO BE CONVEYED TO JAMES F. SIBLEY DATED OCTOBER 5 1984 SCALE 1"=20" PREPARED BY RICHARD ZOBRON SURVEYOR ON FILE IN THE HADDAM TOWN HALL MAP # 1411
7. MAP ENTITLED "RE-SURVEY OF LAND OF DONALD C. DAVIS WALKLEY HILL ROAD DATED AUGUST 1970 SCALE 1"=30"
8. MAP ENTITLED "SITE PLAN WALKLEY HILL RD. CULVERT LINING (SITE NO. 2) HADDAM, CT. DATED JULY 31, 2009 SCALE 1"=10" PREPARED BY N.L. JACOBSON & ASSOCIATES

**SURVEYOR'S GENERAL NOTES:**

- 1) THIS SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH THE "RECOMMENDED STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS APPROVED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. 1996.
- 2) THE TYPE OF SURVEY PERFORMED IS A ZONING LOCATION SURVEY AND IS INTENDED TO SHOW COMPLIANCE WITH LOCAL ZONING REGULATIONS.
- 3) THE BOUNDARY DETERMINATION IS BASED UPON A DEPENDENT RESURVEY, SEE MAP REFERENCES.
- 4) THIS SURVEY CONFORMS TO A CLASS "A-2".

"TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."

LOT AREA  
936,540 SQ. FT.±  
21.5 ACRES±



SCOTT D. PORYANDA, P.E./L.S. #19299

**CONNECTICUT CONSULTING ENGINEERS L.L.C.**  
CIVIL ENGINEERS & SURVEYORS

ONE PRESTIGE DRIVE  
SUITE 110  
203-639-8636

MERIDEN, CT. 06450  
FAX 203-639-0022

DESIGN BY: JG  
DATE: 6/18/2020

SCALE: 1" = 60'

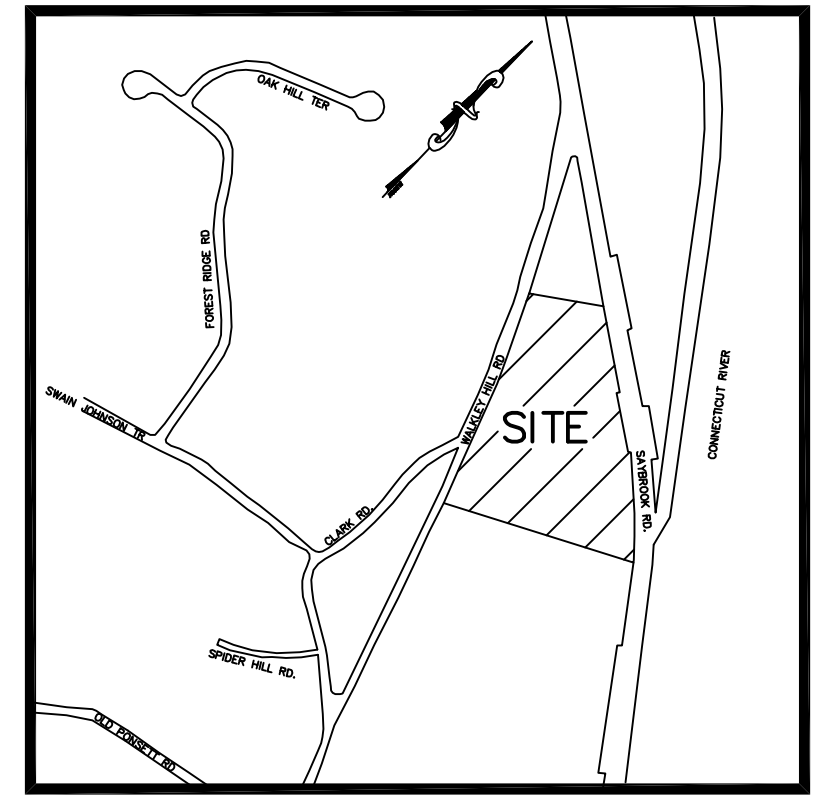
PROJ. NO.: CCE 2020

CHEKED BY: SDP  
CDD DRAW. NO.: 2016

**EXISTING CONDITIONS PLAN**

**RIVER VIEW**  
PREPARED FOR  
**CATHERINE RAGOZZINO**  
565 SAYBROOK ROAD

HADDAM, CONNECTICUT  
SHEET 2 OF 9

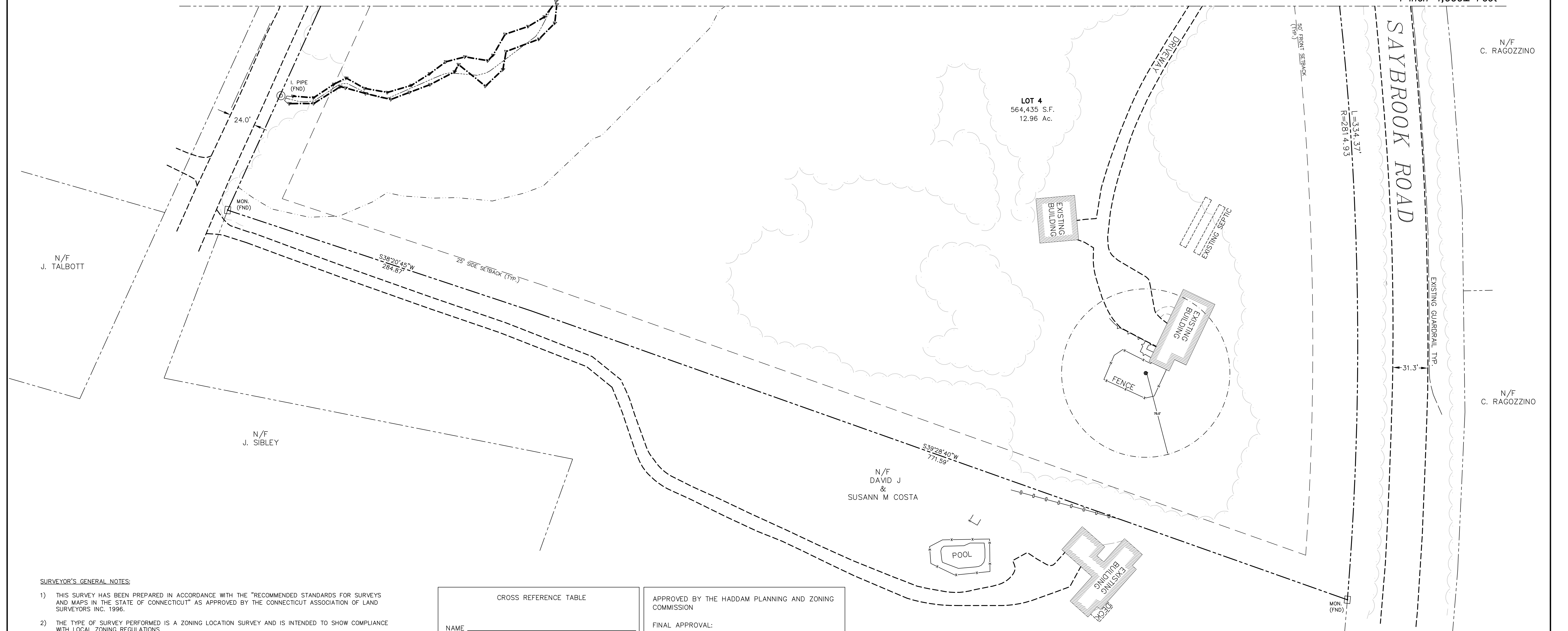


Location Map  
1 Inch=1,000± Feet

N/F  
S. SITRIN

MATCH LINE A-A

N/F  
C. RAGOZZINO



- SURVEYOR'S GENERAL NOTES:**
- THIS SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH THE "RECOMMENDED STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS APPROVED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. 1996.
  - THE TYPE OF SURVEY PERFORMED IS A ZONING LOCATION SURVEY AND IS INTENDED TO SHOW COMPLIANCE WITH LOCAL ZONING REGULATIONS.
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  - THIS SURVEY CONFORMS TO A CLASS "A-2".

"TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."



SCOTT D. PORYANDA, P.E./L.S. #19299

CROSS REFERENCE TABLE	
NAME _____	DATE _____
IDENTIFYING NUMBER _____	DATE OF REVISION _____
DATE _____	TOWN OFFICE _____
DATE FILED _____	DATE _____
VERIFIED _____	TOWN OFFICIAL _____

APPROVED BY THE HADDAM PLANNING AND ZONING COMMISSION

FINAL APPROVAL:  
 LOT NO. (S): \_\_\_\_\_  
 SIGNATURE: \_\_\_\_\_  
 CHAIRMAN/SECRETARY

DATE: \_\_\_\_\_  
 EXPIRATION DATE: \_\_\_\_\_

CONDITIONAL APPROVAL:  
 LOT NO. (S): \_\_\_\_\_  
 SIGNATURE: \_\_\_\_\_  
 CHAIRMAN/SECRETARY

DATE: \_\_\_\_\_  
 EXPIRATION DATE: \_\_\_\_\_  
 APPROVED AT HEARING DATED: \_\_\_\_\_

APPLICANT/OWNER  
**CATHERINE RAGOZZINO**  
 565 SAYBROOK ROAD  
 HADDAM, CT 06438

TOTAL LOT AREA  
 905,787 sq.ft.  
 20.79 acres

**CONNECTICUT CONSULTING ENGINEERS L.L.C.**  
**CIVIL ENGINEERS & SURVEYORS**

ONE PRESTIGE DRIVE  
 SUITE 110  
 203-639-8636

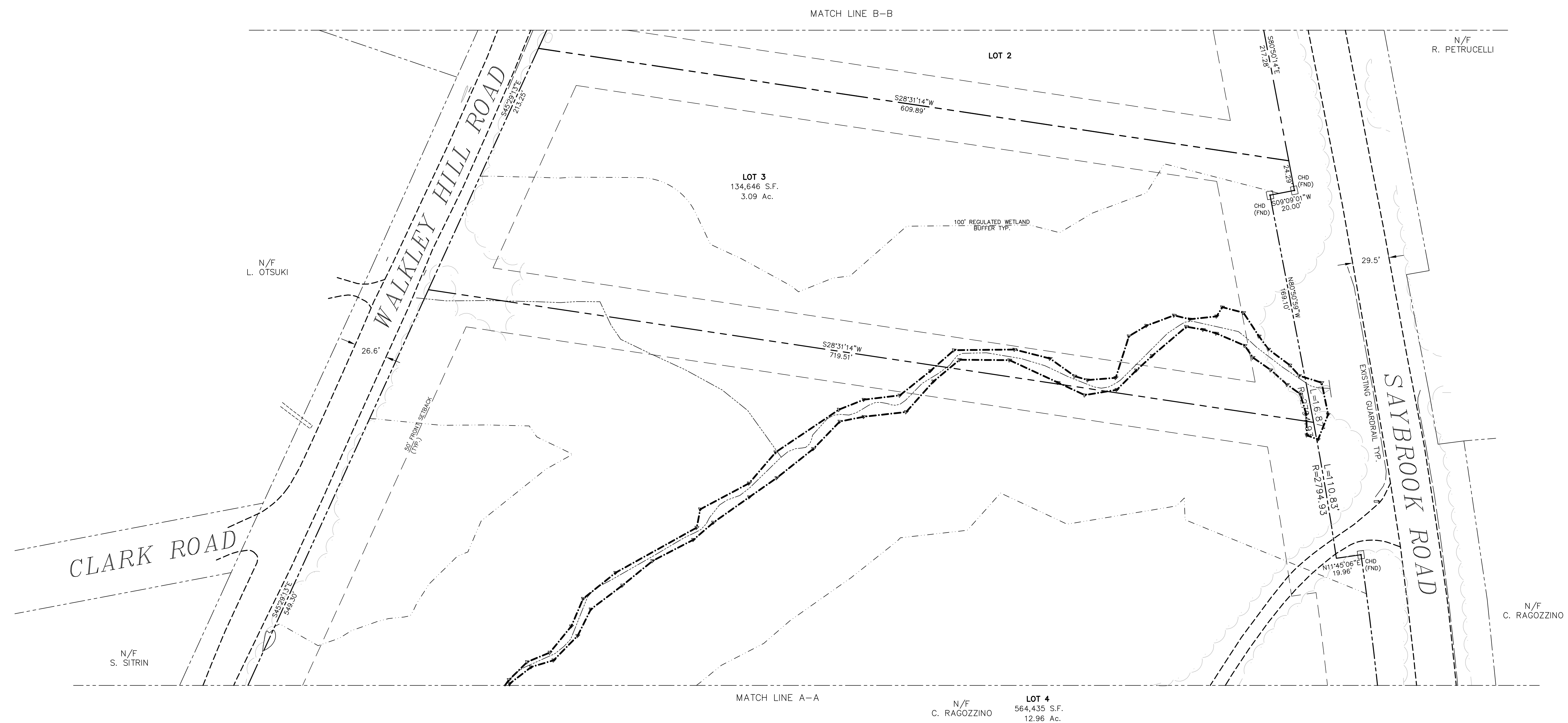
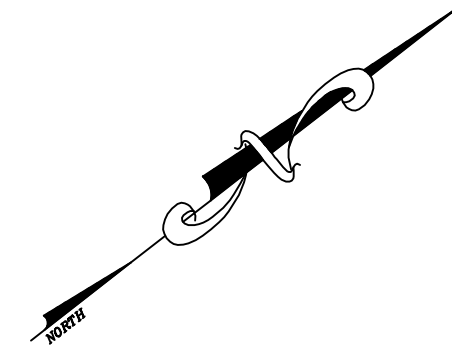
**CCE** MERIDEN, CT. 06450  
 FAX 203-639-0022

DRAWN BY WZ/JR	DESIGN BY -	CHECKED BY SDP/JG
DATE 3/17/20	SCALE 1" = 40'	PROJ. NO. CCE 2016
		CAD DRAW. NO. 0-SUBDIVISION

**SUBDIVISION PLAN**

**RIVER VIEW**  
 PREPARED FOR  
**CATHERINE RAGOZZINO**  
 565 SAYBROOK ROAD  
 HADDAM, CONNECTICUT

**SHEET 3 OF 9**



APPLICANT/OWNER  
**CATHERINE RAGOZZINO**  
 565 SAYBROOK ROAD  
 HADDAM, CT 06438

TOTAL LOT AREA  
 905,787 sq.ft.  
 20.79 acres

**CONNECTICUT CONSULTING ENGINEERS L.L.C.**  
 CIVIL ENGINEERS & SURVEYORS

ONE PRESTIGE DRIVE  
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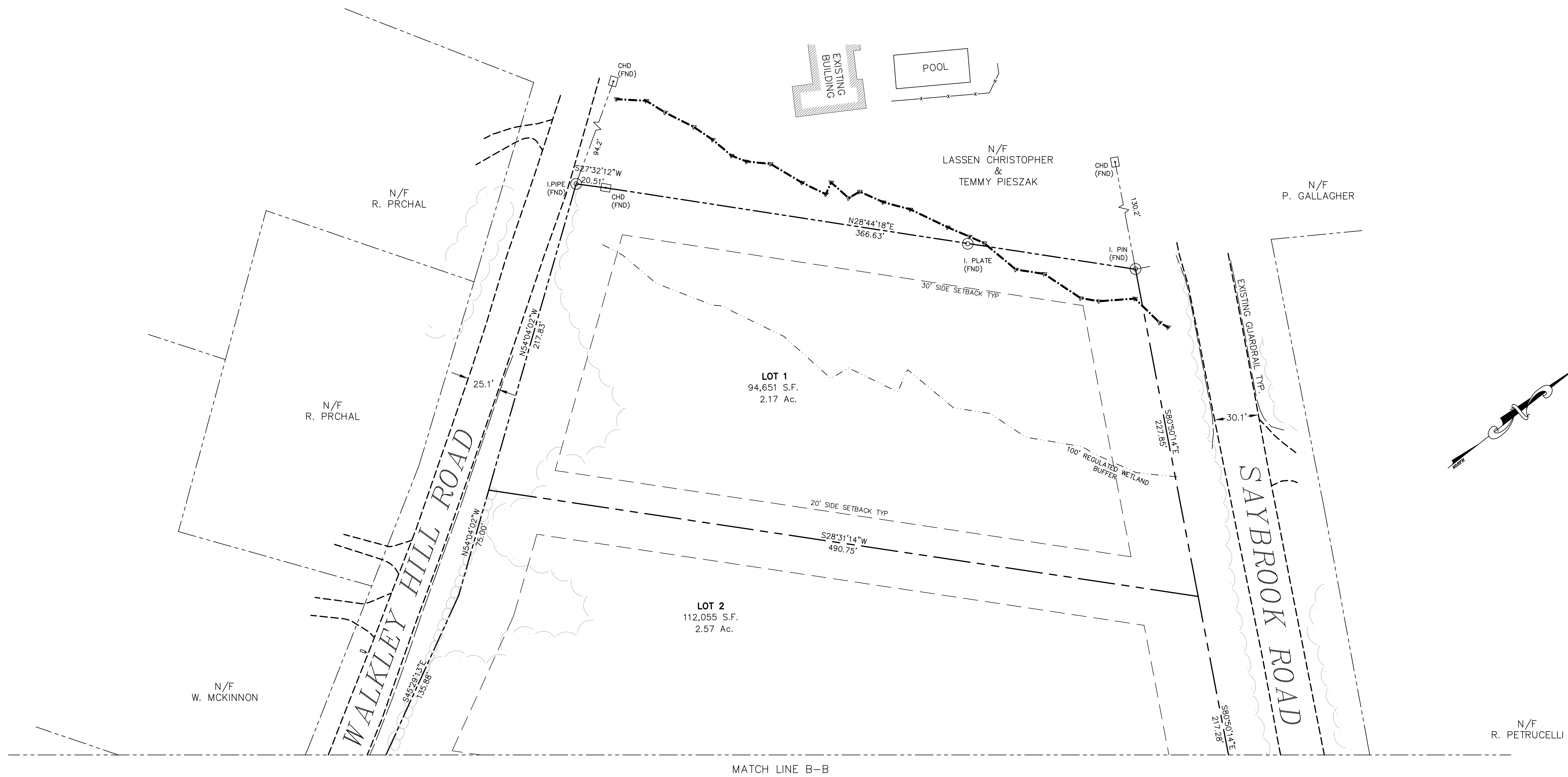
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DATE 3/17/20	SCALE 1" = 40'	PROJ. NO. CCE 2016
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**SUBDIVISION PLAN**

**RIVER VIEW**  
 PREPARED FOR  
**CATHERINE RAGOZZINO**  
 565 SAYBROOK ROAD

HADDAM,

CONNECTICUT  
 SHEET 4 OF 9



MATCH LINE B-B

APPLICANT/OWNER  
**CATHERINE RAGOZZINO**  
 565 SAYBROOK ROAD  
 HADDAM, CT 06438

TOTAL LOT AREA  
 905,787 sq.ft.  
 20.79 acres

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 203-639-8636  
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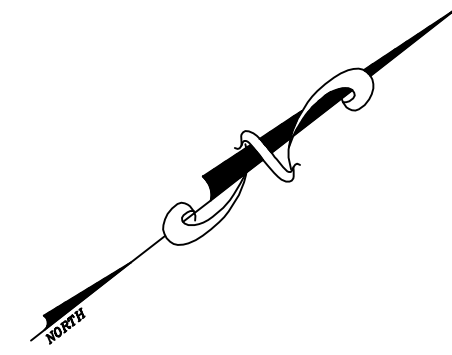
**SUBDIVISION PLAN**

**RIVER VIEW**  
 PREPARED FOR  
**CATHERINE RAGOZZINO**  
 565 SAYBROOK ROAD

HADDAM,

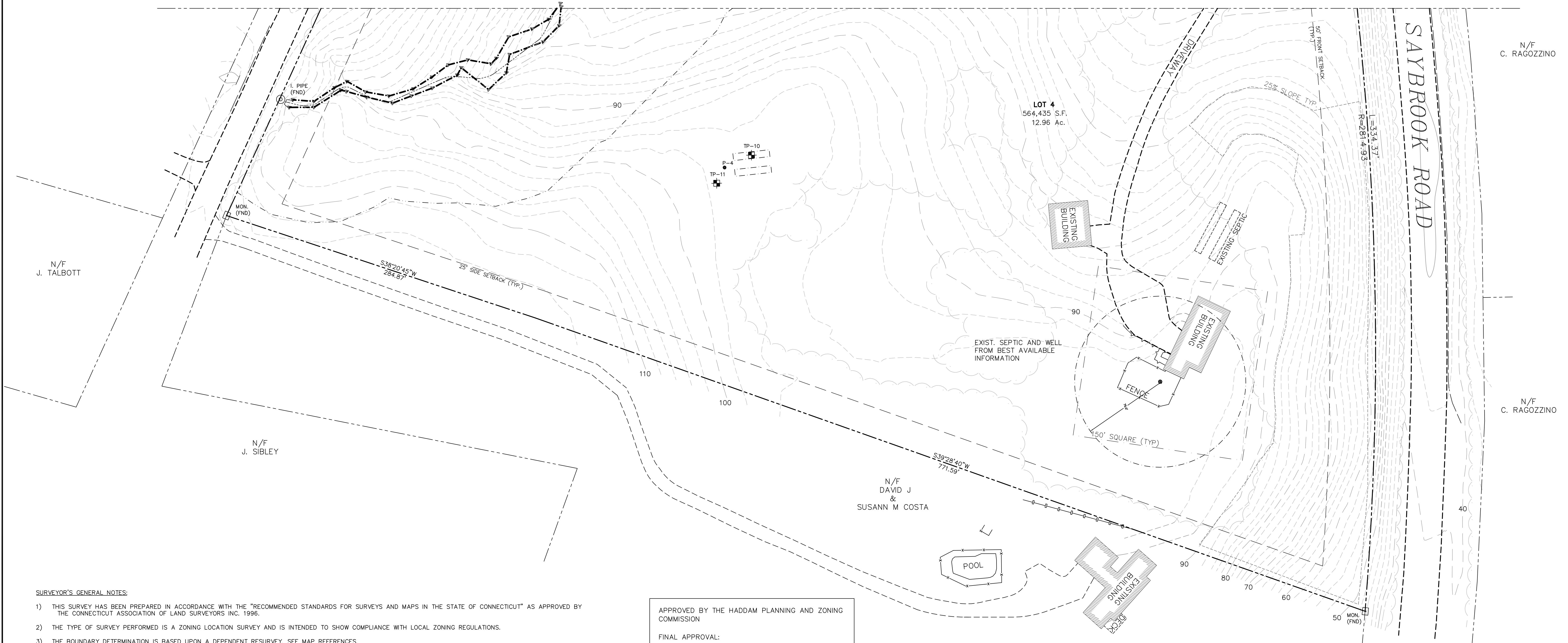
CONNECTICUT  
 SHEET 5 OF 9

# "CALL BEFORE YOU DIG", 1-800-922-4455



N/F  
S. SITRIN

MATCH LINE A-A



**SURVEYOR'S GENERAL NOTES:**

- 1) THIS SURVEY HAS BEEN PREPARED IN ACCORDANCE WITH THE "RECOMMENDED STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS APPROVED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. 1996.
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SCOTT D. PORYANDA, P.E./L.S. #19299



APPROVED BY THE HADDAM PLANNING AND ZONING COMMISSION

FINAL APPROVAL:  
LOT NO. (S): \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_  
CHAIRMAN/SECRETARY

DATE: \_\_\_\_\_  
EXPIRATION DATE: \_\_\_\_\_

CONDITIONAL APPROVAL:  
LOT NO. (S): \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_  
CHAIRMAN/SECRETARY

DATE: \_\_\_\_\_  
EXPIRATION DATE: \_\_\_\_\_  
APPROVED AT HEARING DATED: \_\_\_\_\_

APPLICANT/OWNER  
**CATHERINE RAGOZZINO**  
565 SAYBROOK ROAD  
HADDAM, CT 06438

TOTAL LOT AREA  
905,787 sq.ft.  
20.79 acres

**CONNECTICUT CONSULTING ENGINEERS L.L.C.**  
**CIVIL ENGINEERS & SURVEYORS**

ONE PRESTIGE DRIVE  
SUITE 110  
203-639-8636

**CCE**

MERIDEN, CT. 06450  
FAX 203-639-0022

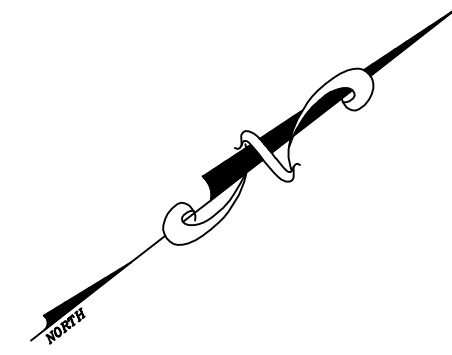
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DATE 3/17/20	SCALE 1" = 40'	PROJ. NO. CCE 2016
		CAD DRAW. NO. 0-SUBDIVISION

**SITE/GRADING/STORM  
& CUTTING PLAN**

**RIVER VIEW**  
PREPARED FOR  
**CATHERINE RAGOZZINO**  
565 SAYBROOK ROAD

HADDAM,

CONNECTICUT  
SHEET 6 OF 9



N/F  
L. OTSUKI

N/F  
R. PETRUCELLI

N/F  
S. SITRIN

N/F  
C. RAGOZZINO

N/F  
C. RAGOZZINO  
**LOT 4**  
564,435 S.F.  
12.96 Ac.

APPLICANT/OWNER  
**CATHERINE RAGOZZINO**  
565 SAYBROOK ROAD  
HADDAM, CT 06438

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20.79 acres

**CONNECTICUT CONSULTING ENGINEERS L.L.C.**  
**CIVIL ENGINEERS & SURVEYORS**

ONE PRESTIGE DRIVE  
SUITE 110  
203-639-8636

**CCE**

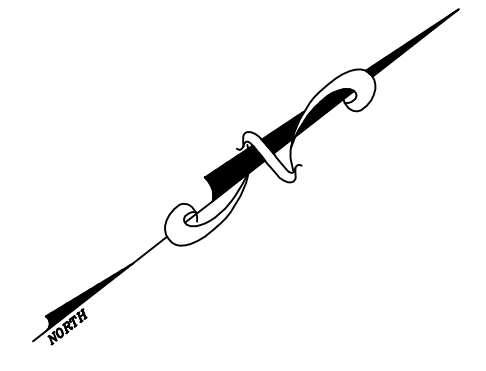
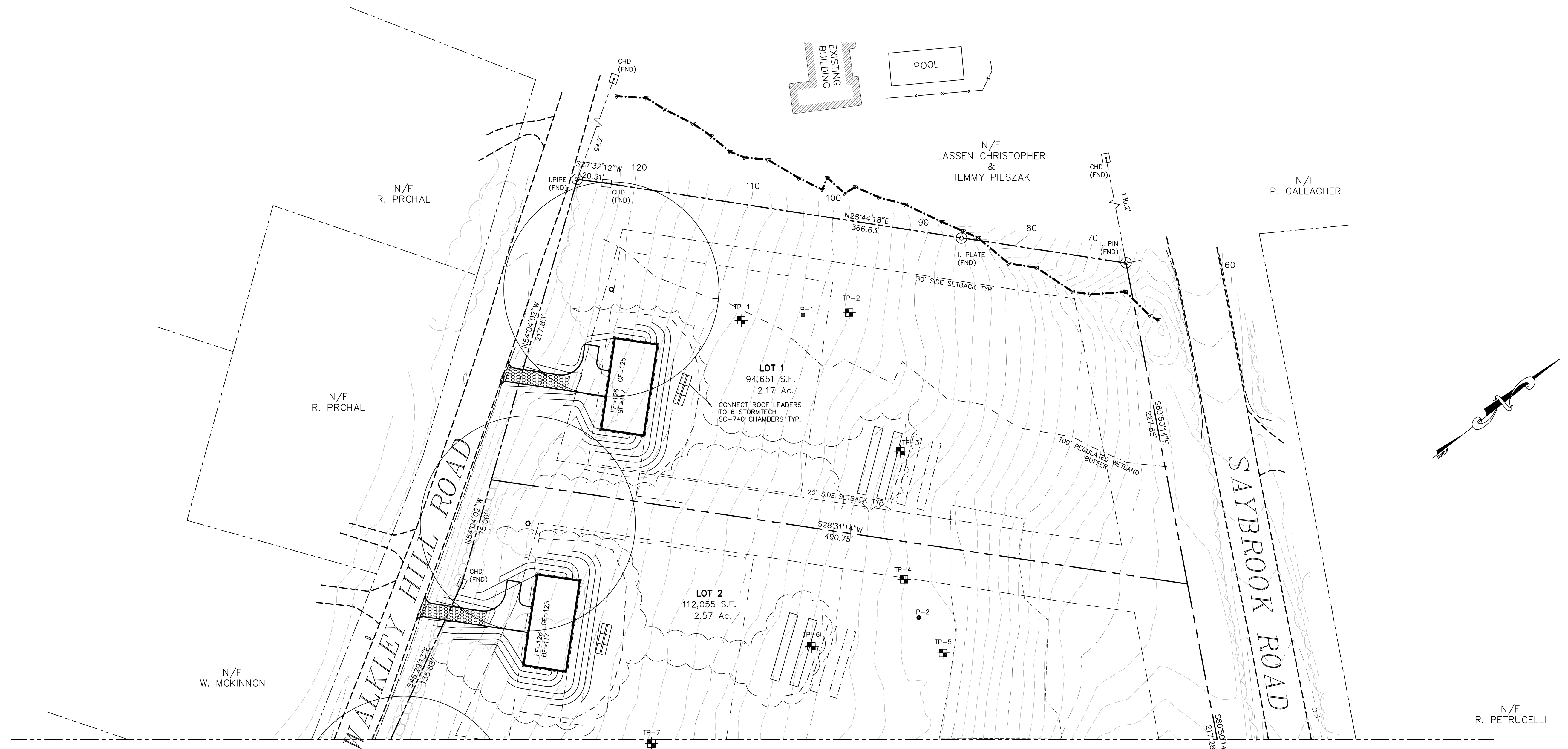
MERIDEN, CT. 06450  
FAX 203-639-0022

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DATE 3/17/20	SCALE 1" = 40'	PROJ. NO. CCE 2016
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**SITE/GRADING/STORM  
& CUTTING PLAN**

**RIVER VIEW**  
PREPARED FOR  
**CATHERINE RAGOZZINO**  
565 SAYBROOK ROAD

HADDAM, CONNECTICUT  
SHEET 7 OF 9



**8/25/2020**  
**TEST PIT # 1**  
 0-4" TOPSOIL  
 4-31" ORANGE BRN. LOAM  
 31-92" FINE/MED. SAND  
 NO MOTT.  
 NO WATER  
 NO LEDGE

**8/25/2020**  
**TEST PIT # 2**  
 0-8" TOPSOIL  
 8-24" ORANGE BRN. LOAM  
 24-86" FINE/MED. SAND W/COBBLES  
 NO MOTT.  
 NO WATER  
 NO LEDGE

**8/25/2020**  
**TEST PIT # 3**  
 0-3" TOPSOIL  
 3-16" ORANGE BRN. LOAM  
 16-70" TAN FINE/MED. SAND  
 70-96" COARSE SAND & GRAVEL  
 NO MOTT.  
 NO WATER  
 NO LEDGE

**8/25/2020**  
**TEST PIT # 4**  
 0-6" TOPSOIL  
 6-23" ORANGE BRN. LOAM  
 23-78" FINE/MED. SAND  
 78-104" COARSE SAND & GRAVEL  
 NO MOTT.  
 NO WATER  
 NO LEDGE

**8/25/2020**  
**TEST PIT # 5**  
 0-9" TOPSOIL  
 9-36" ORANGE BRN. LOAM  
 36-64" FINE/MED. SAND  
 64-84" COARSE SAND & GRAVEL  
 NO MOTT.  
 NO WATER  
 NO LEDGE

**8/25/2020**  
**TEST PIT # 6**  
 0-9" TOPSOIL  
 9-18" ORANGE BRN. LOAM  
 18-77" FINE/MED. SAND  
 77-96" COARSE SAND & GRAVEL W/COBBLES  
 NO MOTT.  
 NO WATER  
 NO LEDGE

**8/25/2020**  
**TEST PIT # 7**  
 0-11" TOPSOIL  
 11-28" ORANGE BRN. LOAM  
 28-65" FINE/MED. SAND  
 65-90" COARSE SAND & GRAVEL W/COBBLES, BOULDERS  
 NO MOTT.  
 NO WATER  
 NO LEDGE

**8/25/2020**  
**TEST PIT # 8**  
 0-6" TOPSOIL  
 6-22" ORANGE BRN. LOAM  
 22-86" FINE/MED. SAND  
 NO MOTT.  
 NO WATER  
 NO LEDGE

**8/25/2020**  
**TEST PIT # 9**  
 0-4" TOPSOIL  
 4-30" ORANGE BRN. LOAM  
 30-70" FINE/MED. SAND  
 70-91" COARSE SAND & GRAVEL  
 NO MOTT.  
 NO WATER  
 NO LEDGE

**8/28/2020**  
**TEST PIT # 10**  
 0"-5" TOPSOIL  
 5"-22" ORANGE BROWN LOAM  
 22"-84" COARSE SAND & GRAVEL  
 NO MOTT.  
 NO WATER  
 NO LEDGE

**8/28/2020**  
**TEST PIT # 11**  
 0"-7" TOPSOIL  
 7"-24" ORANGE BROWN LOAM  
 24"-85" COARSE SAND & GRAVEL  
 NO MOTT.  
 NO WATER  
 NO LEDGE

**PERC TEST PERFORMED ON (8/28/20)**  
**ALL PERC TEST 18" DEEP**

**PERC TEST #1**  
 RATE = 0.5 MIN/IN

**PERC TEST #2**  
 RATE = 0.5 MIN/IN

**PERC TEST #3**  
 RATE = 0.5 MIN/IN

**PERC TEST #4**  
 RATE = 0.5 MIN/IN

**LOT #1**  
**SEPTIC SYSTEM SIZING**  
 PROPOSED 6 BEDROOM HOUSE  
 DESIGN PERC RATE = 1-10.1 MIN/IN  
 REQUIRED EFFECT. LEACHING AREA = 990 S.F.  
 PROPOSED SYSTEM CUR-TECH CTL-18 @ 10.7 S.F./L.F.  
 REQ. LENGTH = 990 SF/10.7 S.F./L.F. = 93 L.F.  
 PROP. LENGTH = 2 ROWS @ 48 LF = 96 L.F. PROV.  
**MLSS = NOT REQUIRED**

**LOT #2**  
**SEPTIC SYSTEM SIZING**  
 PROPOSED 6 BEDROOM HOUSE  
 DESIGN PERC RATE = 1-10.1 MIN/IN  
 REQUIRED EFFECT. LEACHING AREA = 990 S.F.  
 PROPOSED SYSTEM CUR-TECH CTL-18 @ 10.7 S.F./L.F.  
 REQ. LENGTH = 990 SF/10.7 S.F./L.F. = 93 L.F.  
 PROP. LENGTH = 2 ROWS @ 48 LF = 96 L.F. PROV.  
**MLSS = NOT REQUIRED**

**LOT #3**  
**SEPTIC SYSTEM SIZING**  
 PROPOSED 6 BEDROOM HOUSE  
 DESIGN PERC RATE = 1-10.1 MIN/IN  
 REQUIRED EFFECT. LEACHING AREA = 990 S.F.  
 PROPOSED SYSTEM CUR-TECH CTL-18 @ 10.7 S.F./L.F.  
 REQ. LENGTH = 990 SF/10.7 S.F./L.F. = 93 L.F.  
 PROP. LENGTH = 2 ROWS @ 48 LF = 96 L.F. PROV.  
**MLSS = NOT REQUIRED**

**LOT #4**  
**SEPTIC SYSTEM SIZING**  
 PROPOSED 4 BEDROOM HOUSE  
 DESIGN PERC RATE = 1-10.1 MIN/IN  
 REQUIRED EFFECT. LEACHING AREA = 578 S.F.  
 PROPOSED SYSTEM CUR-TECH CTL-18 @ 10.7 S.F./L.F.  
 REQ. LENGTH = 578 SF/10.7 S.F./L.F. = 55 L.F.  
 PROP. LENGTH = 2 ROWS @ 32 LF = 64 L.F. PROV.  
**MLSS = NOT REQUIRED**

MATCH LINE B-B

APPLICANT/OWNER  
**CATHERINE RAGOZZINO**  
 565 SAYBROOK ROAD  
 HADDAM, CT 06438

TOTAL LOT AREA  
 905,787 sq.ft.  
 20.79 acres

**CONNECTICUT CONSULTING ENGINEERS L.L.C.**  
**CIVIL ENGINEERS & SURVEYORS**

ONE PRESTIGE DRIVE  
 SUITE 110  
 203-639-8636

**CCE**

MERIDEN, CT. 06450  
 FAX 203-639-0022

DRAWN BY WZ/JR	DESIGN BY -	CHECKED BY SDP/JG
DATE 3/17/20	SCALE 1" = 40'	PROJ. NO. CCE 2016
		CAD DRAW. NO. 0-SUBDIVISION

**SITE/GRADING/STORM**  
**& CUTTING PLAN**

**RIVER VIEW**  
 PREPARED FOR  
**CATHERINE RAGOZZINO**  
 565 SAYBROOK ROAD



**TEMPORARY VEGETATIVE COVER**

**DEFINITION:** STABILIZE POTENTIAL SEDIMENT PRODUCING AREAS AND SEVERELY ERODED AREAS BY ESTABLISHING TEMPORARY ANNUAL GRASSES ARE SMALL GRAINS.

**PURPOSE:** TO PROVIDE SHORT-TERM RAPID VEGETATIVE COVER FOR THE CONTROL OF SOIL EROSION AND REDUCE SEDIMENT DAMAGES, PROTECT ENVIRONMENTAL QUALITY, AND IMPROVE THE APPEARANCE OF THE LANDSCAPE UNTIL PERMANENT VEGETATION OR OTHER STABILIZATION PRACTICES CAN BE ESTABLISHED.

**CONDITIONS WHERE MEASURE APPLIES:** ON ALL UNPROTECTED AREAS THAT PRODUCE SEDIMENT, AREAS WHERE FINAL GRADING HAS NOT BEEN COMPLETED, AND THE ESTIMATED PERIOD OF EXPOSURE IS LESS THAN 12 MONTHS. EXAMPLES ARE CONSTRUCTION SITES, ACTIVELY ERODING AREAS WITHIN URBAN AND INDUSTRIAL AREAS, TOPSOIL STOCK PILES, AND CERTAIN CUT AND FILL SLOPES.

**APPLICATION AND MATERIALS:**

**1. SITE PREPARATION-**

- A. INSTALL NEEDED SURFACE WATER CONTROL MEASURES SUCH AS DIVERSIONS, BERMS, AND WATERWAYS.
- B. REMOVE LOOSE ROCK, STONE AND CONSTRUCTION DEBRIS FROM AREAS TO BE SEED.
- C. APPLY LIME ACCORDING TO SOIL TEST OR AT A RATE OF ONE TON OF GROUND DOLOMITIC LIMESTONE PER ACRE (50 LBS. PER 1000 SQUARE FEET).
- D. APPLY FERTILIZER ACCORDING TO SOIL TEST OR AT THE RATE OF 300 LBS. OF 10-10-10 PER ACRE (7LBS. PER 1000 SQUARE FEET) AND SECOND APPLICATION AT 200 LBS. OF 10-10-10 (5 LBS. PER 1000 SQUARE FEET) WHEN GRASS IS FOUR TO SIX INCHES HIGH. APPLY ONLY WHEN GRASS IS DRY.
- E. UNLESS HYDROSEEDING, WORK IN LIME AND FERTILIZER TO A DEPTH OF FOUR INCHES USING A DISK ON ANY SUITABLE EQUIPMENT.
- F. TILLAGE SHOULD ACHIEVE A REASONABLY UNIFORM, LOOSE SEEDBED, WORK ON CONTOUR IF SITE IS SLOPING.

**2. ESTABLISHMENT-**

- A. SELECT ADAPTED SPECIES FROM THE SEEDING MIXTURE TABLE. NOTE RATES AND SEEDING DATES.
- B. APPLY SEED UNIFORMLY ACCORDING TO THE RATE INDICATED IN THE TABLE BY BROADCASTING, DRILLING OR HYDRAULIC APPLICATION.
- C. UNLESS HYDROSEEDING, COVER RYEGRASS SEEDS WITH NOT MORE THWN 1/4 INCH OF SOIL WITH SUITABLE EQUIPMENT. COVER SUDANGRASS AND SMALL GRAINS WITH 1/2 INCH OF SOIL.
- D. MULCH WILL BE APPLIED IMMEDIATELY AFTER SEEDING ON UNFAVORABLE SOIL SITES ACCORDING TO S.C.S. GUIDELINES.

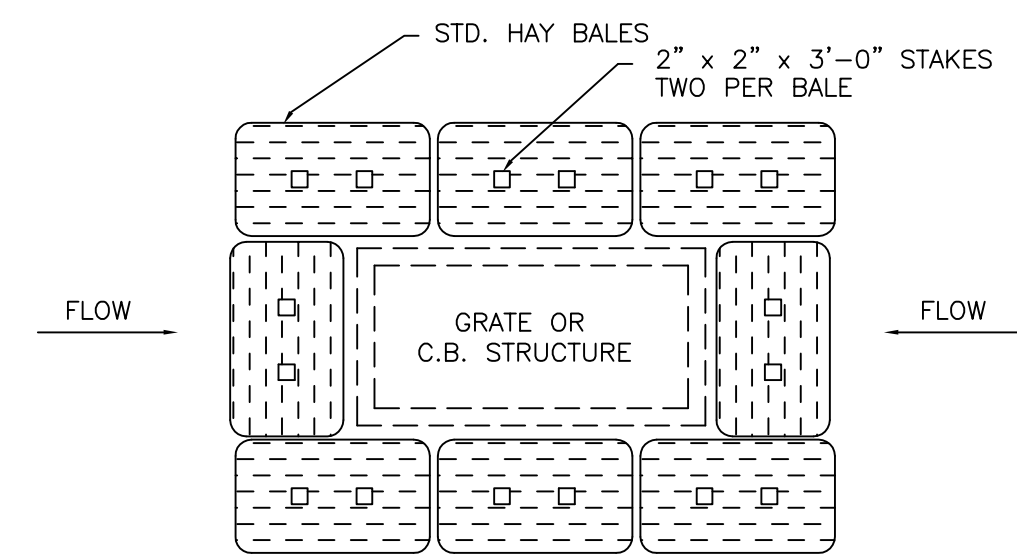
**SEEDING DATES:**

SPRING SEEDINGS USUALLY GIVE THE BEST RESULTS. SPRING SEEDINGS OF ALL SEED MIXES WITH LEGUMES IS RECOMMENDED, HOWEVER, LATE SUMMER SEEDINGS PRIOR TO SEPTEMBER 1ST CAN BE MADE. WHEN CROWN VETCH IS SEEDING IN LATE SUMMER, AT LEAST 35 PERCENT OF THE SEED SHOULD BE HARD SEED (UNSCARIFIED). THE RECOMMENDED SEEDING DATES ARE:

APRIL 1 THROUGH JUNE 1  
AUGUST 15 THROUGH SEPTEMBER 1

Figure 6-1 - Temporary Seeding Rates and Dates

SPECIES	SEEDING RATES (POUNDS)		OPTIMUM SEEDING DATE <sup>1,2</sup>	OPTIMUM SEED DEPTH <sup>2</sup> (INCHES)
	PER ACRE	PER 1000 SQ. FT.		
Annual ryegrass	40	1.0	3/1 - 6/15 8/1 - 10/1	0.5
Perennial ryegrass	40	1.0	3/15 - 6/15 8/1 - 10/1	0.5
Winter rye	120	3.0	4/15 - 6/15 8/15 - 10/1	1.0



STAKED HAY BALES AT C.B.'S  
NO SCALE

USE AND MAINTAIN TILL PROCESSED AGGREGATE IS PLACED. REPLACE AS REQUIRED. TO BE USED AT ALL DRAINAGE STRUCTURES.

**PERMANENT VEGETATIVE COVER**

**DEFINITION:** STABILIZING SEDIMENT PRODUCING AREAS AND SEVERELY ERODED AREAS BY ESTABLISHING PERMANENT GRASS AND LEGUME COVER.

**PURPOSE:** TO STABILIZE THE SOIL, TO REDUCE DOWNSTREAM DAMAGES FROM SEDIMENT AND RUNOFF; IMPROVE WILDLIFE HABITAT; AND ENHANCE NATURAL BEAUTY.

**CONDITIONS WHERE MEASURE APPLIES:** ON ALL URBAN CONSTRUCTION AREAS SUBJECT TO EROSION WHERE FINAL GRADING HAS BEEN COMPLETED AND WHERE A PERMANENT VEGETATIVE COVER IS NEEDED.

**APPLICATION AND MATERIALS:**

**1. SITE PREPARATION-**

- A. INSTALL NEEDED SURFACE WATER CONTROL MEASURES SUCH AS A. DIVERSIONS, BERMS, AND WATERWAYS.
- B. REMOVE LOOSE ROCK, STONE AND CONSTRUCTION (APPROXIMATE FOUR-INCH SIZE) FROM AREA.
- C. PERFORM ALL CULTURAL OPERATIONS PARALLEL TO THE CONTOURS OF THE SLOPE.
- D. AT LEAST FOUR INCHES OF TOPSOIL MAY BE REQUIRED OVER D. EXTREMELY ADVERSE SOIL CONDITIONS. SURFACE COMPACTED BY CONSTRUCTION MACHINERY SHOULD BE DISCED OR CHISLED BEFORE TOPSOIL IS ADDED.
- E. APPLY LIME ACCORDING TO SOIL TEST OR AT THE RATE OF TWO TONS GROUND LIMESTONE PER ACRE (100 LBS. PER 1000 SQUARE FEET).
- F. APPLY FERTILIZER ACCORDING TO SOIL TEST --

**-SPRING SEEDING:** WORK DEEPLY IN SOIL, BEFORE SEEDING, 300 LBS. OF 10-10-10 PER ACRE (7LBS. PER 1000 SQUARE FEET); THEN SIX TO EIGHT WEEKS LATER APPLY ON THE SURFACE AN ADDITIONAL 300 LBS. OF 10-10-10 FERTILIZER PER ACRE.

**MAY USE ALTERNATE SINGLE APPLICATION OF 600 LBS. AT SEEDING TIME IF SPLIT APPLICATION IS NOT FEASIBLE.**

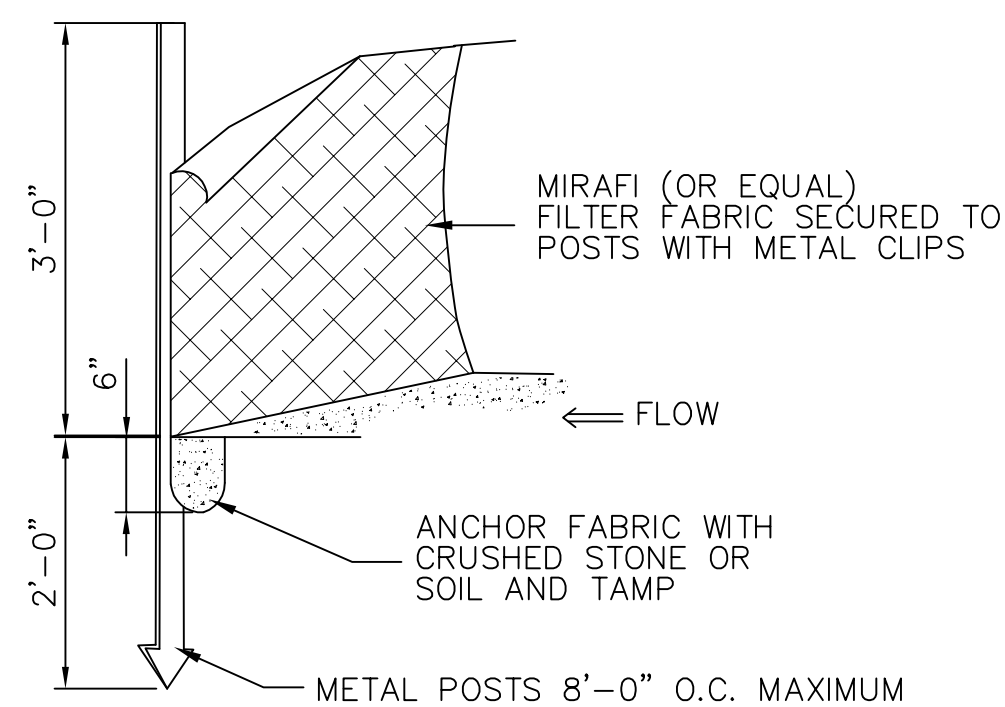
**- FALL SEEDING:** WORK DEEPLY IN SOIL, BEFORE SEEDING, 600 LBS. OF 10-10-10 FERTILIZER PER ACRE (14 LBS. PER 1000 SQUARE FEET).

**2. ESTABLISHMENT-**

- A. SMOOTH AND FIRM SEEDBED WITH CULTIPACKER OR OTHER SIMILAR EQUIPMENT PRIOR TO SEEDING (EXCEPT WHEN HYDROSEEDING).
- B. SELECT ADAPTED SEED MIXTURE FROM THE SEED MIXTURE TABLE.
- C. APPLY SEED UNIFORMLY ACCORDING TO RATE INDICATED IN THE TABLE BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION; NOTE SEEDING DATES.
- D. COVER GRASS AND LEGUME SEEDS WITH NOT MORE THAN 1/4 INCH D. OF SOIL WITH SUITABLE EQUIPMENT (EXCEPT WHEN HYDROSEEDING).
- E. MULCH IMMEDIATELY AFTER SEEDING ACCORDING TO S.C.S. E. GUIDELINES.
- F. USE PROPER INNOCULANT ON ALL LEGUME SEEDINGS, USE FOUR TIMES NORMAL RATE WHEN HYDROSEEDING.
- G. USE SOD WHERE THERE IS HEAVY CONCENTRATION OF WATER IN CRITICAL AREAS WHEN IT IS IMPORTANT TO GET A QUICK VEGETATIVE COVER TO PREVENT EROSION.

**3. MAINTENANCE-**

- A. TEST FOR SOIL ACIDITY EVERY THREE YEARS AND LIME AS A. REQUIRED.
- B. ON SITES WHERE GRASS PREDOMINATE, BROADCAST ANNUALLY 500 LBS. OF 10-10-10 FERTILIZER PER ACRE ( 12 LBS. PER 1000 SQUARE FEET) OR AS NEEDED ACCORDING TO ANNUAL SOIL TESTS.
- C. ON SITES WHERE LEGUMES PREDOMINATE, BROADCAST EVERY THREE YEARS OR AS INDICATED BY SOIL TESTS, 300 LBS. OF 0-20-20 OR EQUIVALENT PER ACRE (8 LBS. PER 1000 SQUARE FEET).



SILT FENCE DETAIL  
N.T.S.

FIGURE 6-2 - PERMANENT SEEDINGS

KIND OF AREA	MOWING DESIRED	MOWING NOT REQUIRED
BORROW AREAS, ROADSIDES, DIKES, LEVEES, POND BANKS AND OTHER SLOPES AND BANKS	*	*
A) WELL OR EXCESSIVELY DRAINED SOILS**	1,2,3,4,5	5,6
B) SOMEWHAT POORLY DRAINED SOILS**	2	5 OR 6
C) VARIABLE DRAINAGE SOILS**	2	5,6

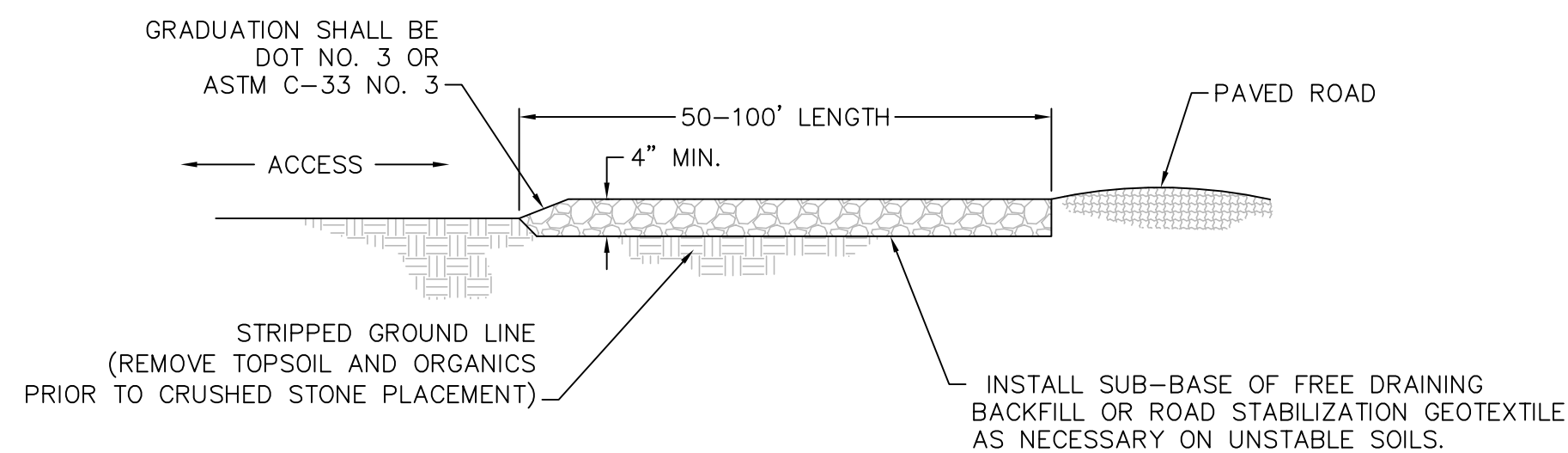
DRAINAGE DITCH AND CHANNEL BANKS	MOWING DESIRED	MOWING NOT REQUIRED
A) WELL OR EXCESSIVELY DRAINED SOILS**	1,2,3, OR 4	
B) SOMEWHAT POORLY DRAINED SOILS**	2	
C) VARIABLE DRAINAGE SOILS**	2	

DIVERSIONS	MOWING DESIRED	MOWING NOT REQUIRED
A) WELL OR EXCESSIVELY DRAINED SOILS**	2,3, OR 4	
B) SOMEWHAT POORLY DRAINED SOILS**	2	
C) VARIABLE DRAINAGE SOILS**	2	

FIGURE 6-2 - PERMANENT SEEDINGS

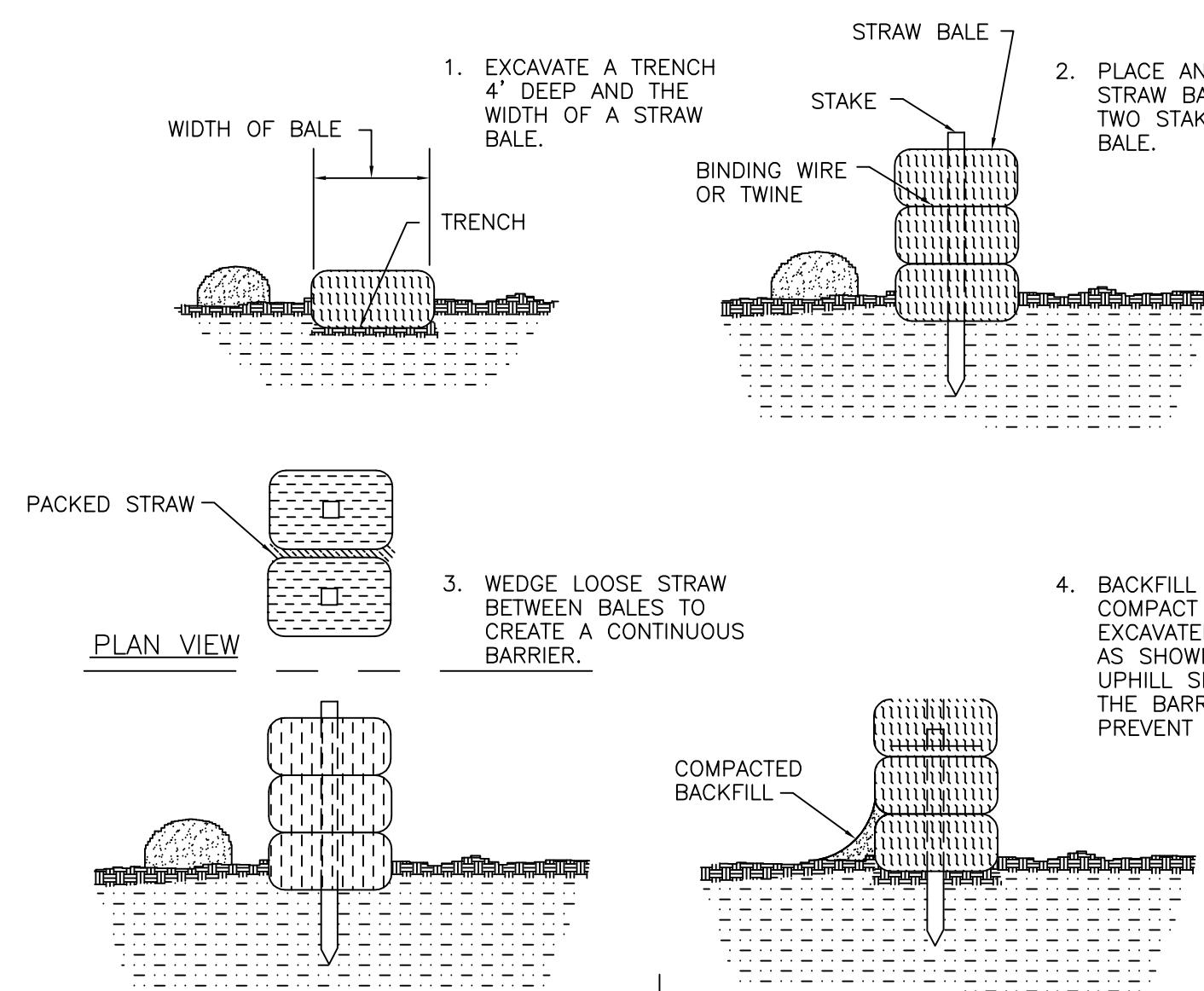
NO.	SEED MIXTURE	LBS./ACRE	LBS./1000 SQ. FT.
1.	KENTUCKY BLUEGRASS	20	.45
	CREeping RED FESCUE	20	.45
	PERENNIAL RYEGRASS	5	.10
	TOTAL	45	1.00
2.	CREeping RED FESCUE	20	.45
	REDTOP	2	.05
	TALL FESCUE OR SMOOTH BROMEGRASS	20	.45
	TOTAL	42	.95
3.	CREeping RED FESCUE	20	.45
	BIRD'S-FOOT TREFLOIL WITH INOCULANT	8	.20
	TALL FESCUE OR SMOOTH BROMEGRASS	20	.45
	TOTAL	48	1.10
4.	CREeping RED FESCUE OR TALL FESCUE	20	.45
	REDTOP	2	.05
	BIRD'S-FOOT TREFLOIL WITH INOCULANT	8	.20
	TOTAL	30	.70
5.	REED CANARYGRASS	20	.45
	REDTOP	5	.10
		TOTAL	25
6.	REED CANARYGRASS	15	.35
	REDTOP	5	.10
	BIRD'S-FOOT TREFLOIL WITH INOCULANT	10	.25
	TOTAL	30	.70

SOURCE: CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.



TYPICAL CONSTRUCTION ENTRANCE  
NO SCALE

FIGURE 7-7 - PLACEMENT AND CONSTRUCTION OF A STRAW BALE BARRIER

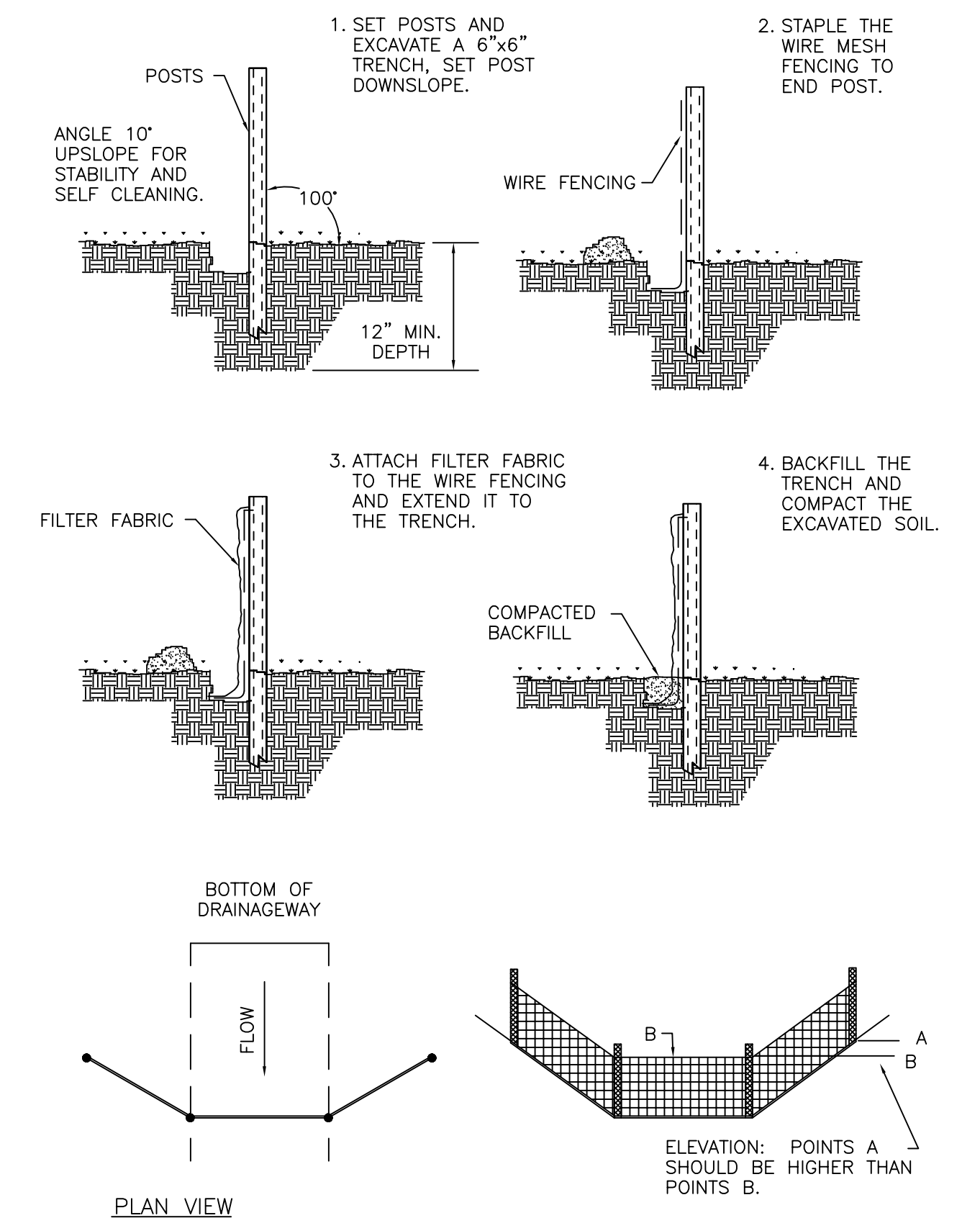


SOURCE: U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORRS, CONNECTICUT.

**EROSION AND SEDIMENT CONTROL PLAN**

1. LAND DISTURBANCE WILL BE KEPT TO A MINIMUM; RESTABILIZATION WILL BE SCHEDULED AS SOON AS PRACTICABLE.
2. HAY BALE FILTERS WILL BE INSTALLED AT ALL CULVERT OUTLETS AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
3. CULVERT DISCHARGE AREAS WILL BE PROTECTED WITH RIP-RAP CHANNELS, ENERGY DISSIPATORS WILL BE PROVIDED AS NECESSARY.
4. CATCH BASINS WILL BE PROTECTED WITH HAY BALE FILTERS THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
5. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE EROSION AND SEDIMENT CONTROL HANDBOOK.
6. EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES.
7. ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD AND DURING THE ESTABLISHMENT OF PERMANENT VEGETATION COVER.
8. ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD IF NECESSARY, OR REQUIRED.
9. SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.
10. CATHERINE RAGOZZINO 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 PLANNING AND ZONING OFFICE 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.
11. INSTALL NEEDED SURFACE WATER CONTROL MEASURES SUCH AS DIVERSIONS, BERMS, AND WATERWAYS.

FIGURE 7-7 - PLACEMENT AND CONSTRUCTION OF A SYNTHETIC FILTER BARRIER



SOURCE: U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORRS, CONNECTICUT.

**CONNECTICUT CONSULTING ENGINEERS LLC.**  
CIVIL ENGINEERS & SURVEYORS

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**CCE**

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FAX 203-639-0022

DRAWN BY WZ/JR	DESIGN BY -	CHECKED BY SDP/JG
DATE 3/17/20	SCALE -	PROJ. NO. CCE 2016
		CAD DRAN. NO. 0-EROSION

**EROSION CONTROL DETAIL**

**RIVER VIEW**  
PREPARED FOR  
**CATHERINE RAGOZZINO**  
565 SAYBROOK ROAD

HADDAM,

CONNECTICUT  
SHEET 9 OF 9