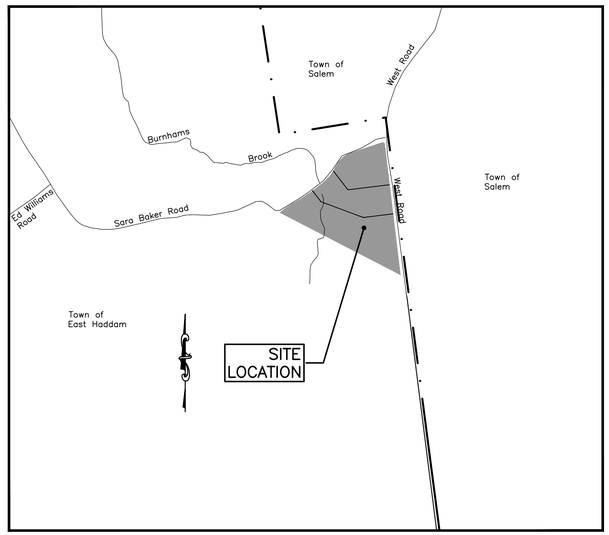
Residential Subdivision

West Road & Sara Baker Road
East Haddam, Connecticut
06423

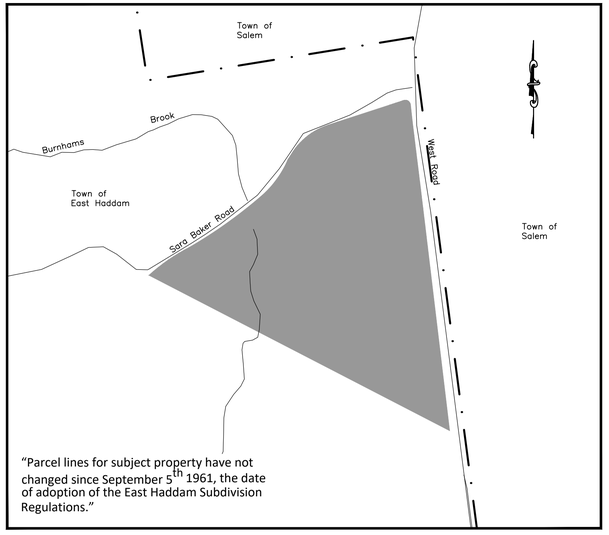
Prepared for
Integrity Properties Group, LLC



LOCATION MAP
Scale: 1"=500'

INDEX TO DRAWINGS

DRAWING NO.	DESCRIPTION OF DRAWINGS
1	Existing Boundary Survey
2	Subdivision Map
3	Lot Development Plan
4	Erosion & Sedimentation Control Plan
5	Driveway Sightline Plan
6	Stormwater Management Plan
7	Details



"Parcel lines for subject property have not changed since September 5th 1961, the date of adoption of the East Haddam Subdivision Regulations."

PARCEL HISTORY MAP
Scale: 1"=200'

PROPERTY OWNER & APPLICANT

PROPERTY OWNER:
INTEGRITY PROPERTIES GROUP, LLC
7 VINCENT COURT
CLINTON, CT. 06413

APPLICANT:
INTEGRITY PROPERTIES GROUP, LLC
7 VINCENT COURT
CLINTON, CT. 06413

Revised: -
April 21, 2022

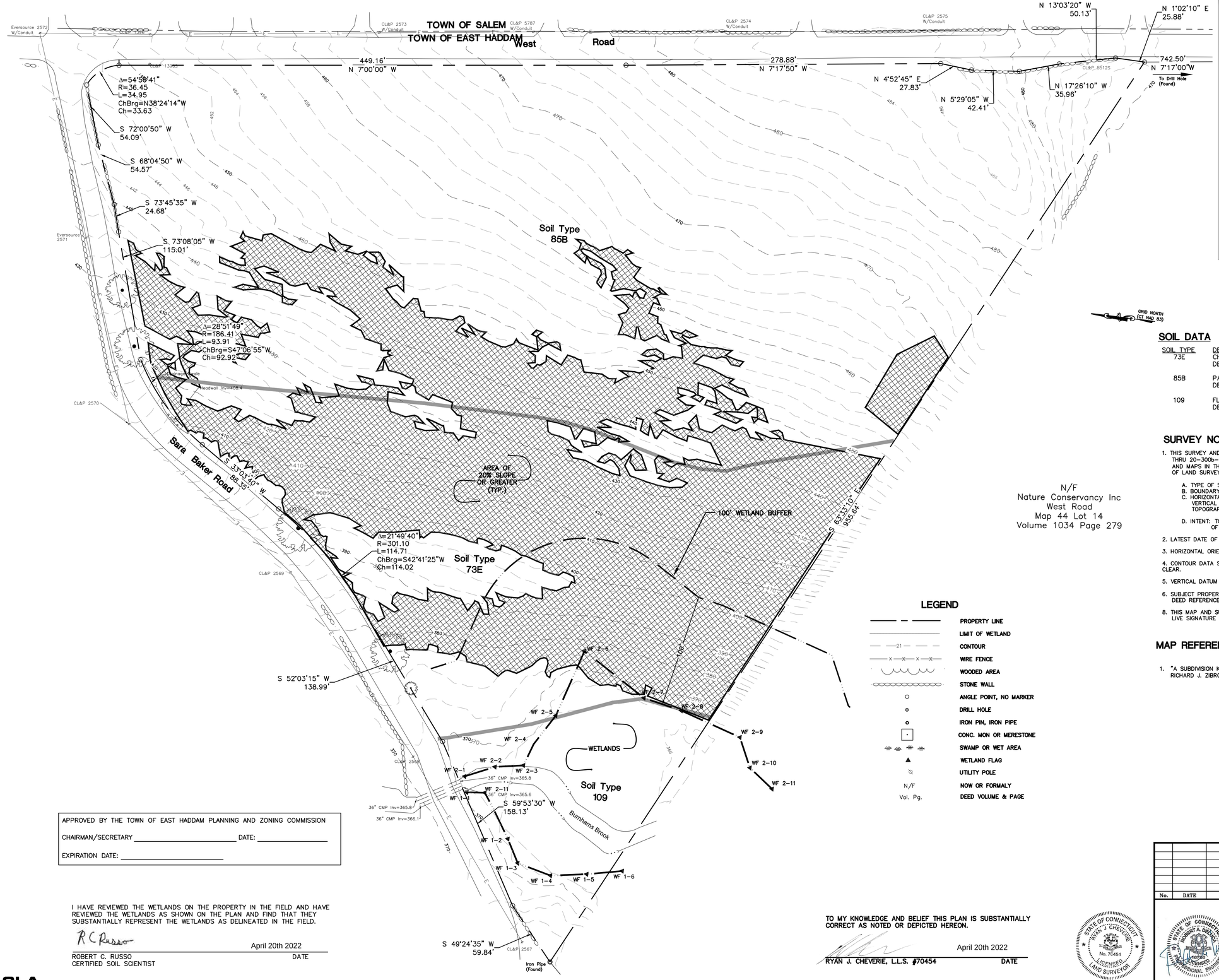
CLA Engineers, Inc.
CIVIL • STRUCTURAL •
317 Main Street Norwich, CT 06360
(860) 886-1966 Fax (860) 886-9165

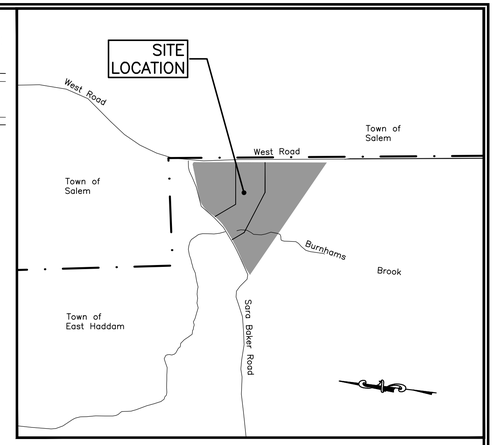
APPROVED BY THE TOWN OF EAST HADDAM PLANNING AND ZONING COMMISSION

CHAIRMAN/SECRETARY _____ DATE: _____

EXPIRATION DATE: _____

CLA





LOCATION MAP

Scale: 1"=500'

SOIL DATA

SOIL TYPE	DESCRIPTION
73E	CHARLTON–CHATFIELD COMPLEX, 15 TO 45 PERCENT SLOPES, VERY ROCKY DEPTH TO WATER TABLE: MORE THAN 80 INCHES TYPICAL
85B	PAXTON AND MONTAUK FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES, VERY STONY DEPTH TO WATER TABLE: 18 TO 37 INCHES TYPICAL
109	FLUVAQUENTS–UDIFLUVENTS, FREQUENTLY FLOODED (WETLAND SOILS) DEPTH TO WATER TABLE: 0 TO 12 INCHES TYPICAL

SURVEY NOTES

1. THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 20–300b–1 THRU 20–300b–20 OF THE REGULATIONS FOR STATE AGENCIES "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC.
   - A. TYPE OF SURVEY: PROPERTY/BOUNDARY AND TOPOGRAPHIC SURVEY
   - B. BOUNDARY DETERMINATION CATEGORY: RESURVEY
   - C. HORIZONTAL ACCURACY: CLASS A–2
VERTICAL ACCURACY: CLASS V–2
TOPOGRAPHIC ACCURACY: CLASS T–2
   - D. INTENT: TO ACCURATELY DETERMINE AND DEPICT THE BOUNDARIES AND EXISTING CONDITIONS OF THE PROPERTY TO PROVIDE A BASE MAP FOR FUTURE DEVELOPMENT.
2. LATEST DATE OF FIELD WORK: FEB. 2022
3. HORIZONTAL ORIENTATION IS REFERENCED TO N.A.D. 83. BASED ON GPS OBSERVATIONS
4. CONTOUR DATA SHOWN IS A COMBINATION OF FIELD MEASURED DATA AND THE 2016 LIDAR DATA FROM UCONN CLEAR.
5. VERTICAL DATUM IS N.A.V.D. 88. BASED ON GPS OBSERVATIONS
6. SUBJECT PROPERTY IS DEPICTED AS LOT 15 OF ASSESSOR'S MAP 44. DEED REFERENCE FOR SUBJECT PROPERTY IS VOL. 1119, PG. 164.
8. THIS MAP AND SURVEY ARE VALID ONLY IF THE PRINT OR MYLAR HAS THE EMBOSSED SEAL AND LIVE SIGNATURE OF THE SURVEYOR.

MAP REFERENCES

1. "A SUBDIVISION KNOWN AS SPRUCE PLANTATION IN THE TOWN OF EAST HADDAM CONNECTICUT" BY RICHARD J. ZIBRON SHEET 1 OF 7 SCALE 1"=100' DATE : JAN 20TH 1996

LEGEND

- PROPERTY LINE
- LIMIT OF WETLAND
- 21 — CONTOUR
- x—x—x—x— WIRE FENCE
- WOODED AREA
- STONE WALL
- ANGLE POINT, NO MARKER
- DRILL HOLE
- IRON PIN, IRON PIPE
- CONC. MON OR MERESTONE
- SWAMP OR WET AREA
- WETLAND FLAG
- UTILITY POLE
- N/F — NOW OR FORMALY
- Vol. Pg. — DEED VOLUME & PAGE

40' 0 40' 80'

SCALE: 1"=40'

APPROVED BY THE TOWN OF EAST HADDAM PLANNING AND ZONING COMMISSION

CHAIRMAN/SECRETARY _____ DATE: _____

EXPIRATION DATE: _____

I HAVE REVIEWED THE WETLANDS ON THE PROPERTY IN THE FIELD AND HAVE REVIEWED THE WETLANDS AS SHOWN ON THE PLAN AND FIND THAT THEY SUBSTANTIALLY REPRESENT THE WETLANDS AS DELINEATED IN THE FIELD.

R C Russo

April 20th 2022

ROBERT C. RUSSO — DATE
CERTIFIED SOIL SCIENTIST

TO MY KNOWLEDGE AND BELIEF THIS PLAN IS SUBSTANTIALLY CORRECT AS NOTED OR DEPICTED HEREON.

April 20th 2022

RYAN J. CHEVERIE, L.L.S. #70454 — DATE

STATE OF CONNECTICUT · RYAN J. CHEVERIE · No. 70454 · LICENSED LAND SURVEYOR

STATE OF CONNECTICUT · ROBERT A. DERISO · 18796 · REGISTERED PROFESSIONAL ENGINEER

No.	DATE	REVISION

CLA Engineers, Inc.
CIVIL · STRUCTURAL · SURVEYING
317 Main Street Norwich, CT 06360
(860) 886–1966 Fax (860) 886–9165

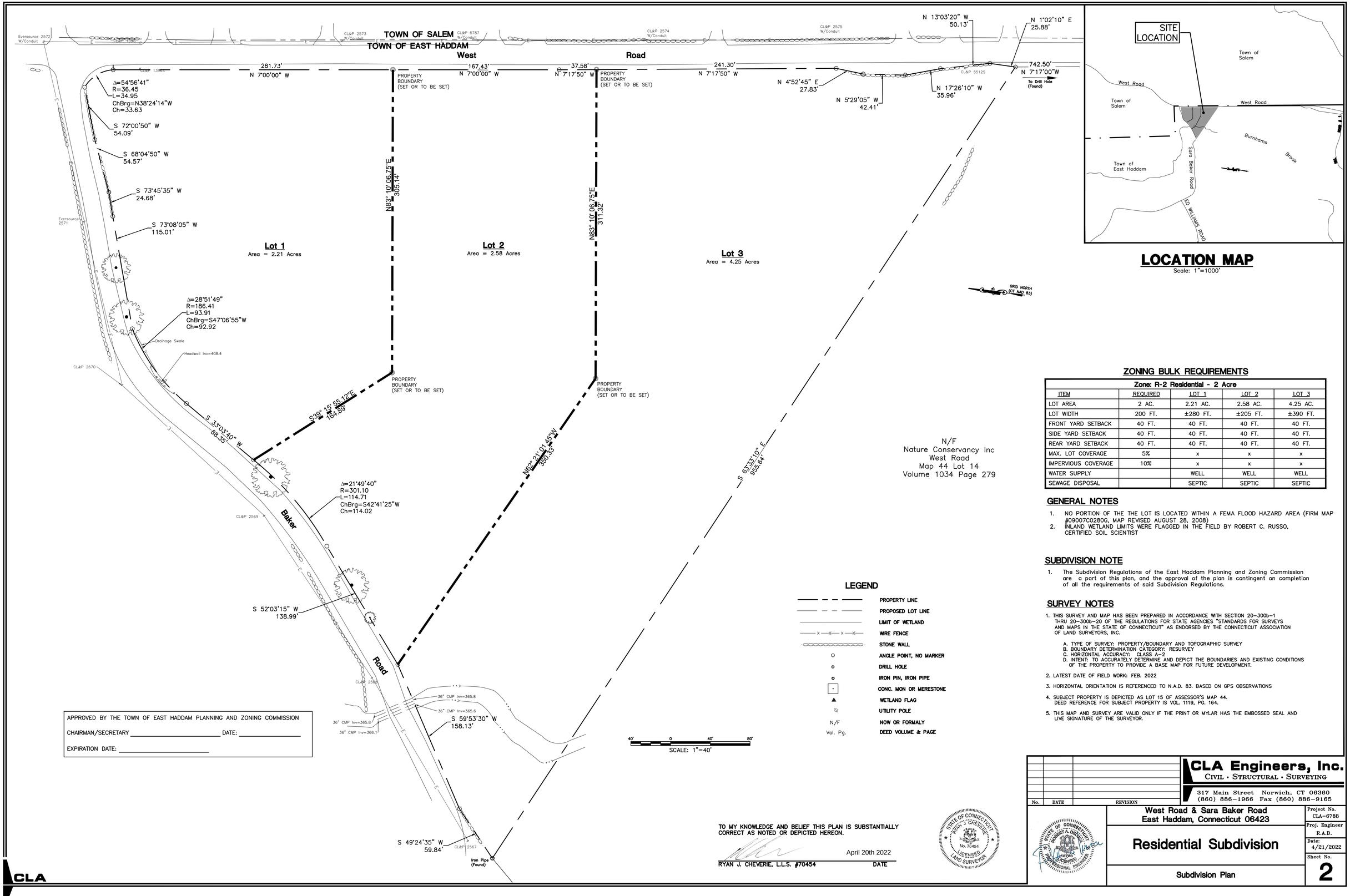
West Road & Sara Baker Road
East Haddam, Connecticut 06423

Residential Subdivision

Existing Conditions Survey

Project No.	CLA–6788
Proj. Engineer	R.A.D.
Date:	4/21/2022
Sheet No.	1

CLA



LOCATION MAP
Scale: 1"=1000'

ZONING BULK REQUIREMENTS

Zone: R-2 Residential - 2 Acre				
ITEM	REQUIRED	LOT 1	LOT 2	LOT 3
LOT AREA	2 AC.	2.21 AC.	2.58 AC.	4.25 AC.
LOT WIDTH	200 FT.	±280 FT.	±205 FT.	±390 FT.
FRONT YARD SETBACK	40 FT.	40 FT.	40 FT.	40 FT.
SIDE YARD SETBACK	40 FT.	40 FT.	40 FT.	40 FT.
REAR YARD SETBACK	40 FT.	40 FT.	40 FT.	40 FT.
MAX. LOT COVERAGE	5%	x	x	x
IMPERVIOUS COVERAGE	10%	x	x	x
WATER SUPPLY		WELL	WELL	WELL
SEWAGE DISPOSAL		SEPTIC	SEPTIC	SEPTIC

GENERAL NOTES

1. NO PORTION OF THE THE LOT IS LOCATED WITHIN A FEMA FLOOD HAZARD AREA (FIRM MAP #09007C0280G, MAP REVISED AUGUST 28, 2008)
2. INLAND WETLAND LIMITS WERE FLAGGED IN THE FIELD BY ROBERT C. RUSSO, CERTIFIED SOIL SCIENTIST

SUBDIVISION NOTE

1. The Subdivision Regulations of the East Haddam Planning and Zoning Commission are a part of this plan, and the approval of the plan is contingent on completion of all the requirements of said Subdivision Regulations.

SURVEY NOTES

1. THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS FOR STATE AGENCIES "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC.
   A. TYPE OF SURVEY: PROPERTY/BOUNDARY AND TOPOGRAPHIC SURVEY
   B. BOUNDARY DETERMINATION CATEGORY: RESURVEY
   C. HORIZONTAL ACCURACY: CLASS A-2
   D. INTENT: TO ACCURATELY DETERMINE AND DEPICT THE BOUNDARIES AND EXISTING CONDITIONS OF THE PROPERTY TO PROVIDE A BASE MAP FOR FUTURE DEVELOPMENT.
2. LATEST DATE OF FIELD WORK: FEB. 2022
3. HORIZONTAL ORIENTATION IS REFERENCED TO N.A.D. 83. BASED ON GPS OBSERVATIONS
4. SUBJECT PROPERTY IS DEPICTED AS LOT 15 OF ASSESSOR'S MAP 44. DEED REFERENCE FOR SUBJECT PROPERTY IS VOL. 1119, PG. 164.
5. THIS MAP AND SURVEY ARE VALID ONLY IF THE PRINT OR MYLAR HAS THE EMBOSSED SEAL AND LIVE SIGNATURE OF THE SURVEYOR.

LEGEND

- PROPERTY LINE
- PROPOSED LOT LINE
- LIMIT OF WETLAND
- WIRE FENCE
- STONE WALL
- ANGLE POINT, NO MARKER
- DRILL HOLE
- IRON PIN, IRON PIPE
- CONC. MON OR MERESTONE
- WETLAND FLAG
- UTILITY POLE
- N/F — NOW OR FORMALY
- Vol. Pg. — DEED VOLUME & PAGE

APPROVED BY THE TOWN OF EAST HADDAM PLANNING AND ZONING COMMISSION

CHAIRMAN/SECRETARY _____ DATE: _____

EXPIRATION DATE: _____

TO MY KNOWLEDGE AND BELIEF THIS PLAN IS SUBSTANTIALLY CORRECT AS NOTED OR DEPICTED HEREON.

RYAN J. CHEVERIE, L.L.S. #70454 — DATE: April 20th 2022

STATE OF CONNECTICUT — RYAN J. CHEVERIE — No. 70454 — LICENSED LAND SURVEYOR

STATE OF CONNECTICUT — ROBERT A. DESIMONE — 18736 — LICENSED PROFESSIONAL ENGINEER

No.	DATE	REVISION

CLA Engineers, Inc.
CIVIL • STRUCTURAL • SURVEYING
317 Main Street Norwich, CT 06360
(860) 886-1966 Fax (860) 886-9165

West Road & Sara Baker Road
East Haddam, Connecticut 06423

Residential Subdivision

Subdivision Plan

Project No. CLA-6788
Proj. Engineer R.A.D.
Date: 4/21/2022
Sheet No. 2

CLA

ZONING BULK REQUIREMENTS

Zone: R-2 Residential - 2 Acre				
ITEM	REQUIRED	LOT 1	LOT 2	LOT 3
LOT AREA	2 AC.	2.21 AC.	2.58 AC.	4.25 AC.
LOT WIDTH	200 FT.	±280 FT.	±205 FT.	±390 FT.
FRONT YARD SETBACK	40 FT.	40 FT.	40 FT.	40 FT.
SIDE YARD SETBACK	40 FT.	40 FT.	40 FT.	40 FT.
REAR YARD SETBACK	40 FT.	40 FT.	40 FT.	40 FT.
MAX. LOT COVERAGE	5%	x	x	x
IMPERVIOUS COVERAGE	10%	x	x	x
WATER SUPPLY		WELL	WELL	WELL
SEWAGE DISPOSAL		SEPTIC	SEPTIC	SEPTIC

GENERAL NOTES

1. NO PORTION OF THE THE LOT IS LOCATED WITHIN A FEMA FLOOD HAZARD AREA (FIRM MAP #09007C0280G, MAP REVISED AUGUST 28, 2008)
2. INLAND WETLAND LIMITS WERE FLAGGED IN THE FIELD BY ROBERT C. RUSSO, CERTIFIED SOIL SCIENTIST

TEST HOLE 1-5
DEPTH - 51"
NO LEDGE
NO GROUNDWATER

TEST HOLE 1-6
DEPTH - 56"
NO LEDGE
NO GROUNDWATER

TEST HOLE 1-7
DEPTH - 57"
NO LEDGE
NO GROUNDWATER

TEST HOLE 1-8
DEPTH - 51"
NO LEDGE
NO GROUNDWATER

TEST HOLE 1-9
DEPTH - 57"
NO LEDGE
NO GROUNDWATER

TEST HOLE 2-5
DEPTH - 53"
NO LEDGE
NO GROUNDWATER

TEST HOLE 2-6
DEPTH - 53"
NO LEDGE
NO GROUNDWATER

TEST HOLE 2-7
DEPTH - 52"
NO LEDGE
NO GROUNDWATER

TEST HOLE 2-8
DEPTH - 53"
NO LEDGE
NO GROUNDWATER

TEST HOLE 2-9
DEPTH - 57"
NO LEDGE
NO GROUNDWATER

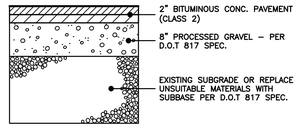
TEST HOLE 3-5
DEPTH - 54"
NO LEDGE
NO GROUNDWATER

TEST HOLE 3-6
DEPTH - 60"
NO LEDGE
NO GROUNDWATER

TEST HOLE 3-7
DEPTH - 27"
POSSIBLE LEDGE AT 27"
NO GROUNDWATER

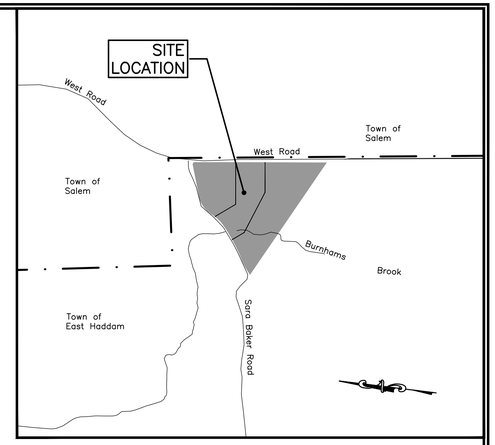
TEST HOLE 3-8
DEPTH - 56"
NO LEDGE
NO GROUNDWATER

TEST HOLE 3-9
DEPTH - 52"
POSSIBLE LEDGE AT 52"
NO GROUNDWATER

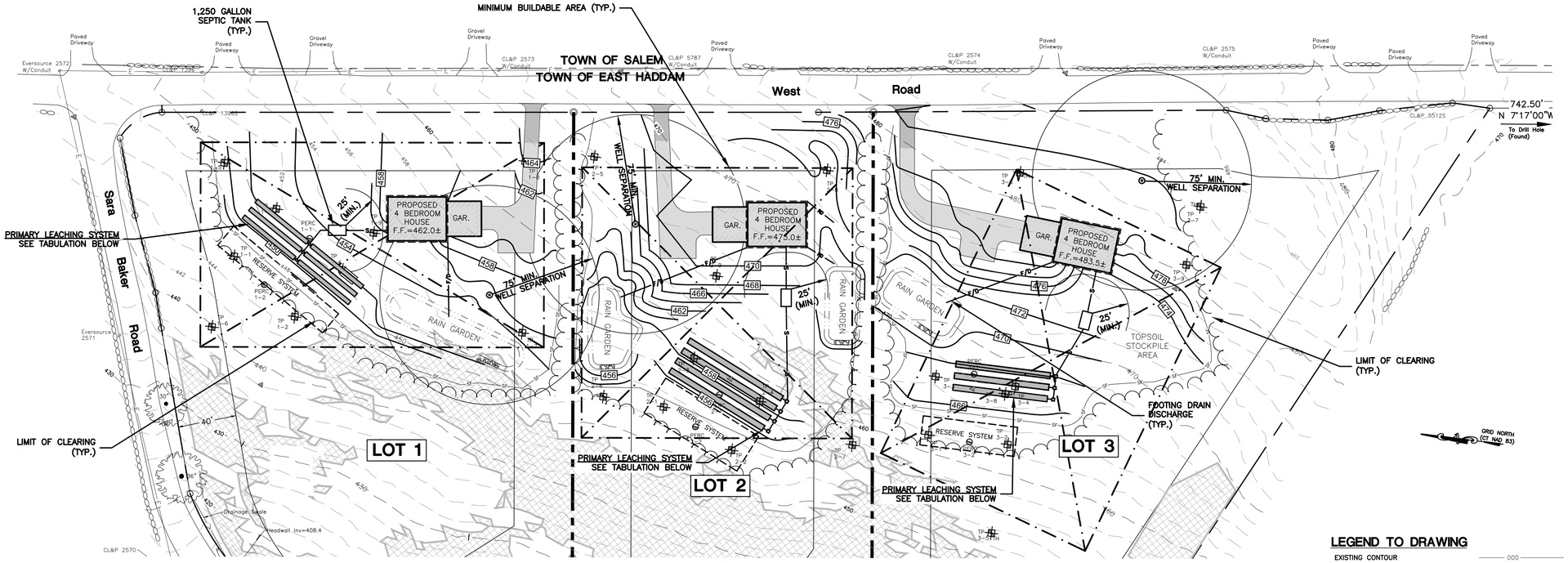


NOTES:
1. PROVIDE CONTINUOUS TACK COAT ALONG EDGE WHEN MATCHING EXISTING PAVEMENT
2. CONTRACTOR TO PROVIDE COMPACTION ON ALL TRENCH BACKFILLS, EXCAVATIONS AND PAVEMENT BASES TO NOT LESS THAN 95% OF THE DRY DENSITY FOR THAT MATERIAL WHEN TESTED IN ACCORDANCE WITH AASHTO T180, METHOD D

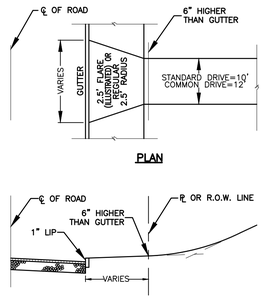
TYPICAL DRIVEWAY SECTION DETAIL
NOT TO SCALE



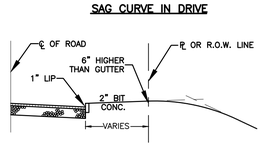
LOCATION MAP
Scale: 1"=500'



SCALE: 1"=40'



PLAN



SAG CURVE IN DRIVE

CREST CURVE IN DRIVE

DRIVEWAY DETAIL
NOT TO SCALE

LOT 1
PRIMARY LEACHING AREA
4 BEDROOM RESIDENCE
PERCOLATION RATE: 13.9 MIN./INCH (PERC 1–1)
LEACHING AREA REQUIRED: 787.5 SF

USE 18"x36" LEACHING TRENCH
EFFECTIVE LEACHING AREA OF TRENCH = 3.0 SF/LF
REQUIRED LENGTH = 787.5 SF / 3.0 SF/LF = 262.5 LF

MLSS CALCULATION
RESTRICTIVE LAYER @ 36" AT TP#1-4
Slope = 12%
MLSS = 20x1.75x1.25=43.75

PROPOSED SYSTEM
18"x36" LEACHING TRENCH: USE 3 ROWS OF 90 LF
LEACHING AREA PROVIDED = 810 SF

RESERVE LEACHING AREA
USE SAME AS PRIMARY SYSTEM

REFER TO SHEET 7 FOR TEST HOLE DATA

LOT 2
PRIMARY LEACHING AREA
4 BEDROOM RESIDENCE
PERCOLATION RATE: 10.5 MIN./INCH (PERC 2–1)
LEACHING AREA REQUIRED: 787.5 SF

USE 18"x36" LEACHING TRENCH
EFFECTIVE LEACHING AREA OF TRENCH = 3.0 SF/LF
REQUIRED LENGTH = 787.5 SF / 3.0 SF/LF = 262.5 LF

MLSS CALCULATION
RESTRICTIVE LAYER @ 44" AT TP#2-3
Slope = 13%
MLSS = 16x1.75x1.25=35

PROPOSED SYSTEM
18"x36" LEACHING TRENCH: USE 4 ROWS OF 66 LF
LEACHING AREA PROVIDED = 792 SF

RESERVE LEACHING AREA
USE SAME AS PRIMARY SYSTEM

REFER TO SHEET 7 FOR TEST HOLE DATA

LOT 3
PRIMARY LEACHING AREA
4 BEDROOM RESIDENCE
PERCOLATION RATE: 7.2 MIN./INCH (PERC 3–1)
LEACHING AREA REQUIRED: 577.5 SF

USE 18"x36" LEACHING TRENCH
EFFECTIVE LEACHING AREA OF TRENCH = 3.0 SF/LF
REQUIRED LENGTH = 577.5 SF / 3.0 SF/LF = 192.5 LF

MLSS CALCULATION
RESTRICTIVE LAYER @ 37" AT TP#3-3
Slope = 13%
MLSS = 20x1.75x1.25=35

PROPOSED SYSTEM
18"x36" LEACHING TRENCH: USE 3 ROWS OF 65 LF
LEACHING AREA PROVIDED = 585 SF

RESERVE LEACHING AREA
USE SAME AS PRIMARY SYSTEM

REFER TO SHEET 7 FOR TEST HOLE DATA

LEGEND TO DRAWING

- EXISTING CONTOUR
- EXISTING PROPERTY LINE
- CONCEPTUAL LOT LINE
- INLAND WETLANDS
- INLAND WETLAND REGULATED AREA
- SLOPES OVER 20%
- MINIMUM BUILDABLE AREA
- SOIL BOUNDARY

I HERE–BY CERTIFY THAT ALL LOTS SHOWN ON THIS MAP MAY HAVE SEPTIC SYSTEMS AND WELLS AT THE LOCATIONS SHOWN. THE FOLLOWING LOTS, IF ANY, SHALL HAVE ENGINEERED SYSTEMS _____

TOWN SANITARIAN _____ DATE: _____

APPROVED BY THE TOWN OF EAST HADDAM PLANNING AND ZONING COMMISSION

CHAIRMAN/SECRETARY _____ DATE: _____

EXPIRATION DATE: _____

No.	DATE	REVISION

CLA Engineers, Inc.
CIVIL · STRUCTURAL · SURVEYING
317 Main Street Norwich, CT 06360
(860) 886–1966 Fax (860) 886–9165

STATE OF CONNECTICUT ROBERT A. DELUCA LICENSED PROFESSIONAL ENGINEER

West Road & Sara Baker Road
East Haddam, Connecticut 06423

Residential Subdivision

Lot Development Plan

Project No.	CLA–6788
Proj. Engineer	R.A.D.
Date:	4/21/2022
Sheet No.	3

CLA

EROSION & SEDIMENTATION CONTROL NARRATIVE

1. THE EROSION & SEDIMENTATION CONTROL PLAN AND DETAILS HAVE BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION. THIS PLAN IS BASED ON THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEP.
2. THE PROPOSED LOCATIONS OF SILTATION AND EROSION CONTROL MEASURES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROVIDED SILT FENCE, STONE CHECK DAMS AND/OR OTHER EROSION CONTROL MEASURES AS NEEDED OR DIRECTED BY THE ENGINEER OR TOWN STAFF TO ADEQUATELY PREVENT SEDIMENT TRANSPORT.
3. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE.
4. THE CONTRACTOR SHALL INSPECT, REPAIR AND/OR REPLACE EROSION CONTROL MEASURES EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT. SEDIMENT DEPOSITS MUST BE REMOVED WHEN WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE PERMANENTLY STABILIZED.
5. STAKED HAY BALE SILT BARRIERS OR SILT FENCE SHALL BE INSTALLED AROUND ANY TEMPORARY STOCKPILE AREAS. TEMPORARY VEGETATIVE COVER MAY BE REQUIRED (SEE NOTE).
6. INLET SEDIMENTATION CONTROL DEVICES SHALL BE INSTALLED UNDER THE GRATES OF ALL NEW CATCH BASINS AT THE TIME OF INSTALLATION, AND UNDER THE GRATES OF EXISTING CATCH BASINS IN THE CONSTRUCTION AREA.
7. CONTINUOUS DUST CONTROL USING WATER, CALCIUM CHLORIDE OR APPROVED EQUAL SHALL BE PROVIDED FOR ALL EARTH STOCKPILES, EARTH PILED ALONG EXCAVATIONS, SURFACES OF BACKFILLED TRENCHES AND GRAVELED ROADWAY SURFACES.
8. IF DEWATERING IS NECESSARY DURING ANY TIME OF CONSTRUCTION A CLEAR WATER DISCHARGE SHALL BE PROVIDED AS SHOWN IN THE HAY-BALE BARRIER DEWATERING DETAIL OR ALTERNATE METHOD PROPOSED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
9. ALL DISTURBED AREAS SHALL BE RESTORED PER THE SLOPE STABILIZATION AND PERMANENT VEGETATION DETAILS. ALL DISTURBED AREAS THAT ARE SLOPED LESS THAN THREE HORIZONTAL TO ONE VERTICAL (3:1) SLOPE SHALL BE LOAMED, SEEDED, FERTILIZED AND MULCHED PER THE PERMANENT VEGETATIVE COVER SPECIFICATIONS. EROSION CONTROL MATTING SHALL BE PROVIDED ON ALL DISTURBED AREAS THAT ARE SLOPED MORE THAN THREE HORIZONTAL TO ONE VERTICAL (3:1).
10. IF FINAL SEEDING OF DISTURBED AREAS IS NOT TO BE COMPLETED BEFORE OCTOBER 15, THE CONTRACTOR SHALL PROVIDE TEMPORARY MULCHING (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY PERMANENT SEEDING.
11. WHEN FEASIBLE, TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINISHED GRADED SHALL BE COMPLETED PRIOR TO OCTOBER 15.
12. ANY EROSION WHICH OCCURS WITHIN THE DISTURBED AREAS SHALL BE IMMEDIATELY REPAIRED AND STABILIZED. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT SHALL BE RETURNED TO THE SITE. POST SEEDING, INTERCEPTED SEDIMENT, IF ANY, SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE TOWN AND ENGINEER.
13. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS RE-ESTABLISHED OR SLOPES ARE STABILIZED AND REMOVAL IS APPROVED BY THE TOWN.
14. UNFORESEEN PROBLEMS WHICH ARE ENCOUNTERED IN THE FIELD SHALL BE SOLVED ACCORDING TO THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEP.
15. THE CONTRACTOR SHALL PROVIDE THE NAME AND EMERGENCY CONTACT INFORMATION FOR THE PROJECT PERSONNEL RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROLS PRIOR TO THE START OF CONSTRUCTION.
16. THE WETLANDS ENFORCEMENT OFFICER SHALL BE NOTIFIED AT LEAST 2 BUSINESS DAYS PRIOR TO CONSTRUCTION TO INSPECT EROSION CONTROLS.
17. THE WETLAND ENFORCEMENT OFFICER SHALL BE NOTIFIED AT THE COMPLETION OF WORK FOR FINAL INSPECTION AND SIGN OFF OF PERMIT COMPLIANCE.

TEMPORARY VEGETATIVE COVER

A TEMPORARY SEEDING OF RYE GRASS WILL BE COMPLETED WITHIN 15 DAYS OF THE FORMATION OF STOCKPILES. IF THE SOIL IN THE STOCKPILES HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS IT SHALL BE LOOSENED TO A DEPTH OF 2 INCHES BEFORE THE FERTILIZER, LIME AND SEED IS APPLIED. 10-10-10 FERTILIZER AT A RATE OF 7.5 POUNDS PER 1000 S.F. LIMESTONE AT A RATE OF 90 LBS. PER 1000 S.F. SHALL BE USED. RYE GRASS APPLIED AT A RATE OF 1 LB. PER 1000 S.F. SHALL PROVIDE THE TEMPORARY VEGETATIVE COVER. STRAW FREE FROM WEEDS AND COARSE MATTER SHALL BE USED AT A RATE OF 70-90 LBS. PER 1000 S.F. AS A TEMPORARY MULCH. APPLY MULCH AND DRIVE TRACKED EQUIPMENT UP AND DOWN SLOPE OVER ENTIRE SURFACE SO CLEAT MARKS ARE PARALLEL TO THE CONTOURS.

PERMANENT VEGETATIVE COVER

TOPSOIL WILL BE REPLACED ONCE THE EXCAVATIONS HAVE BEEN COMPLETED AND THE SLOPES ARE GRADED AS SHOWN ON THE PLANS. PROVIDE SLOPE PROTECTION AS CALLED FOR ON THE PLANS AND DETAILS. TOPSOIL SHALL BE SPREAD AT A MINIMUM COMPACTED DEPTH OF 4 INCHES. ONCE THE TOPSOIL HAS BEEN SPREAD, ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION WILL BE REMOVED AS WELL AS DEBRIS.

- APPLY AGRICULTURAL GROUND LIMESTONE AT THE RATE OF TWO TONS PER ACRE OR 100 LBS. PER 1000 S.F.
- APPLY 10-10-10 FERTILIZER OR EQUIVALENT AT A RATE OF 300 LBS. PER ACRE OR 7.5 LBS. PER 1000 S.F.
- WORK LIMESTONE AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4 INCHES.
- INSPECT SEEDBED BEFORE SEEDING.
- IF TRAFFIC HAS COMPACTED THE SOIL, RETILL COMPACTED AREAS.
- APPLY THE FOLLOWING GRASS SEED MIX:

TYPICAL SEED MIXTURE

ALL DISTURBED AREAS	LBS./ACRE	LBS./1000 S.F.
KENTUCKY BLUEGRASS	20	0.45
CREEPING RED FESCUE	20	0.45
PERENNIAL RYEGRASS	5	0.10
	45	1.00

TYPICAL SEED MIXTURE FOR STEEP SLOPES (2:1 OR GREATER)

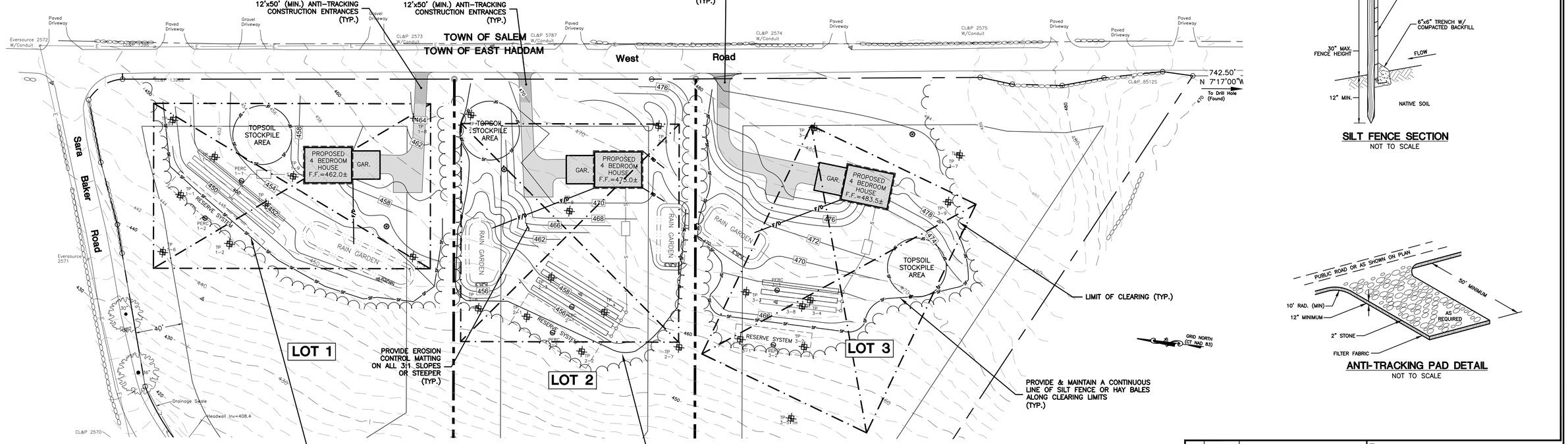
CT DEP SEED MIX NO. 6	LBS./ACRE	LBS./1000 S.F.
CREEPING RED FESCUE	20	0.50
REDTOP (STREEKER, COMMON)	2	0.05
PERENNIAL RYEGRASS	20	0.50
	42	1.05

THE RECOMMENDED SEEDING DATES ARE:
APRIL 1 - JUNE 15 AND AUGUST 15 - OCTOBER 15

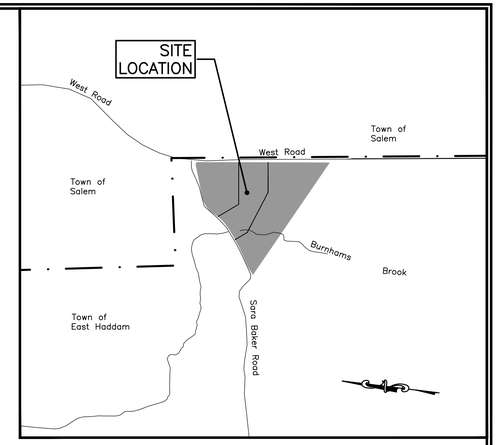
IMMEDIATELY FOLLOWING SEEDING, FIRM SEED BED WITH A ROLLER AND MULCH WITH WEED FREE STRAW. IF PERMANENT VEGETATIVE COVER IS HAS NOT BEEN ESTABLISHED BY OCTOBER 15, APPLY A TEMPORARY VEGETATIVE COVER ON THE TOPSOIL.

DURING CONSTRUCTION

1. POLLUTION PREVENTION TEAM:
   THE OWNER & CONTRACTOR SHALL BE RESPONSIBLE FOR CARRYING OUT THE PROVISIONS OF THIS PLAN.
2. SWEEPING:
   IMPERVIOUS SURFACES BEYOND THE WORK SITE SHALL BE SWEPT CLEAN OF SAND, SILT AND LITTER DAILY AT THE END OF THE WORK DAY.
3. OUTSIDE STORAGE:
   ACCESSORIES OR EQUIPMENT STORED OUTSIDE SHALL BE COVERED OR MAINTAINED TO MINIMIZE POSSIBILITY OF THESE MATERIALS OR THEIR RESIDUE PASSING TO STORM WATER.
4. WASHING:
   NO WASHING OF VEHICLES, ACCESSORIES, EQUIPMENT OR APPLIANCES IN WORK SITE.
5. MAINTENANCE AND INSPECTION:
   A. THE CONTRACTOR SHALL INSPECT, REPAIR AND/OR REPLACE EROSION CONTROL MEASURES EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY RAINFALL OF 0.25" OR MORE AND AFTER SNOW MELT.
   B. SEDIMENT DEPOSITS MUST BE REMOVED WHEN WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.
   C. DAILY DUST CONTROL USING WATER, OR APPROVED EQUAL SHALL BE PROVIDED FOR ALL EARTH STOCKPILES, EARTH PILED ALONG EXCAVATIONS, SURFACES OF BACKFILLED TRENCHES AND GRAVELED SURFACES.
6. SPILLS OR ACCIDENTAL DISCHARGES:
   A. COMPLY WITH STATE AND FEDERAL REGULATIONS TO CONTAIN AND CLEAN UP ANY SPILL OR DISCHARGE AND DISPOSE OF MATERIALS AT AN APPROVED FACILITY.
   B. CONTACT CONNECTICUT DEEP OIL AND CHEMICAL SPILL RESPONSE DIVISION (860) 424-3338
   C. THE FOLLOWING STEPS SHOULD BE PERFORMED AS SOON AS POSSIBLE:
      a. STOP THE SOURCE OF THE SPILL
      b. CONTAIN THE SPILL
      c. COVER SPILL WITH ABSORBENT MATERIAL SUCH AS KITTY LITER, SAWDUST OR OIL ABSORBENT PADS. DO NOT USE STRAW.
      d. DISPOSE OF ABSORBER IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.

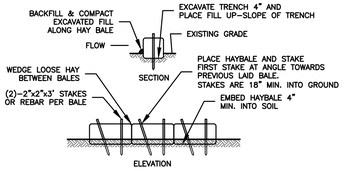


SCALE: 1"=40'



LOCATION MAP

Scale: 1"=500'



HAY BALE BARRIER DETAIL

NOT TO SCALE

SILT FENCE SECTION

NOT TO SCALE

ANTI-TRACKING PAD DETAIL

NOT TO SCALE

LEGEND TO DRAWING

- EXISTING CONTOUR
- EXISTING PROPERTY LINE
- CONCEPTUAL LOT LINE
- INLAND WETLANDS
- INLAND WETLAND REGULATED AREA
- SLOPES OVER 20%
- MINIMUM BUILDABLE AREA
- SOIL BOUNDARY

APPROVED BY THE TOWN OF EAST HADDAM PLANNING AND ZONING COMMISSION

CHAIRMAN/SECRETARY _____ DATE: _____

EXPIRATION DATE: _____

No.	DATE	REVISION

CLA Engineers, Inc.
CIVIL · STRUCTURAL · SURVEYING
317 Main Street Norwich, CT 06360
(860) 886-1966 Fax (860) 886-9165

STATE OF CONNECTICUT — ROBERT A. DELUCA — 18705 — LICENSED PROFESSIONAL ENGINEER

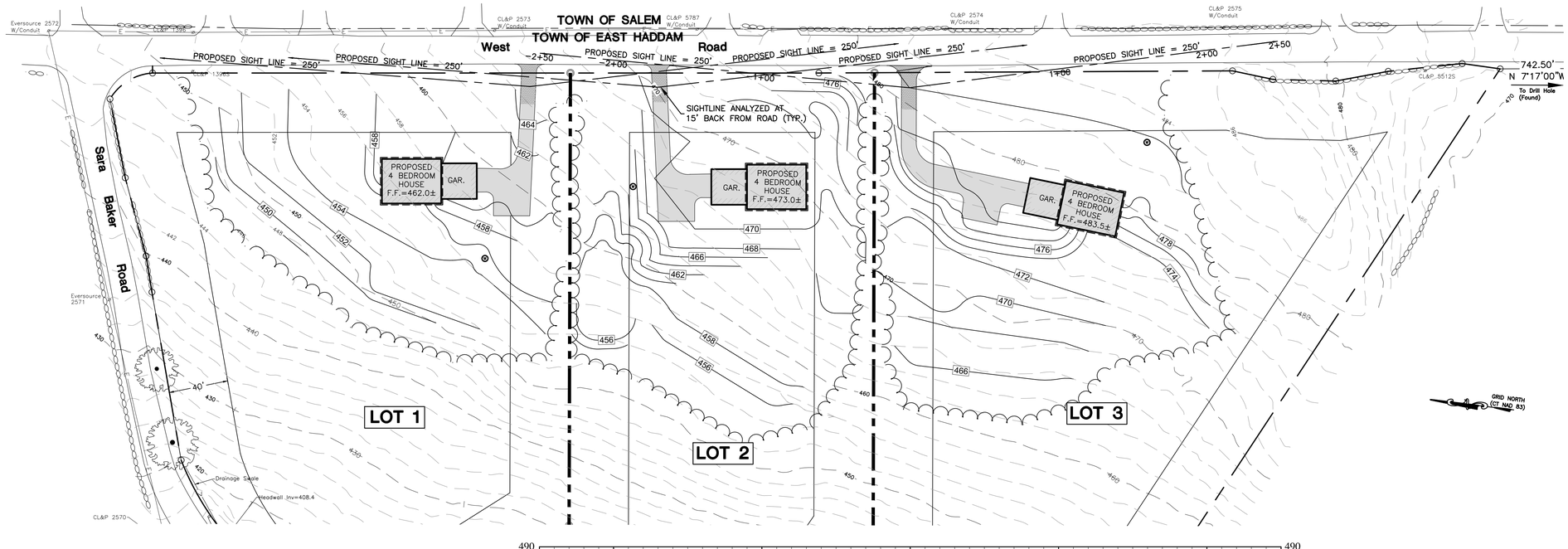
West Road & Sara Baker Road
East Haddam, Connecticut 06423

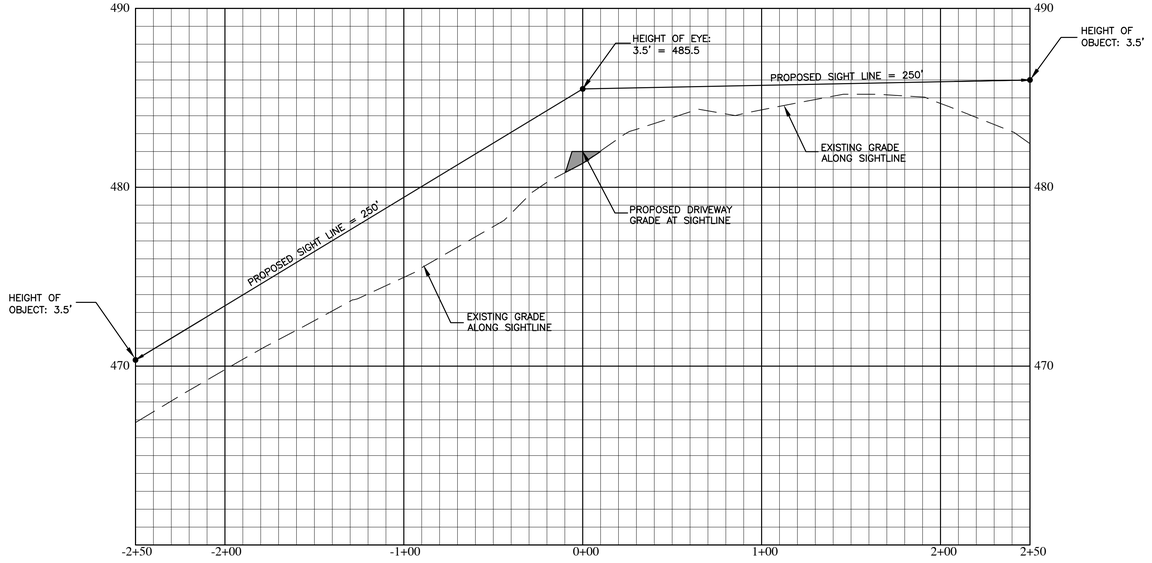
Residential Subdivision

Erosion & Sedimentation Control Plan

Project No.	CLA-6788
Proj. Engineer	R.A.D.
Date:	4/21/2022
Sheet No.	4

CLA





Driveway Lot 3 (Left & Right)
Horiz. Scale: 1" = 40'
Vert. Scale: 1" = 4'

40' 0 40' 80'
SCALE: 1"=40'

LEGEND TO DRAWING

- EXISTING CONTOUR
- EXISTING PROPERTY LINE
- CONCEPTUAL LOT LINE
- INLAND WETLANDS
- INLAND WETLAND REGULATED AREA
- SLOPES OVER 20%
- MINIMUM BUILDABLE AREA
- SOIL BOUNDARY

APPROVED BY THE TOWN OF EAST HADDAM PLANNING AND ZONING COMMISSION

CHAIRMAN/SECRETARY _____ DATE: _____

EXPIRATION DATE: _____

No.	DATE	REVISION

CLA Engineers, Inc.
CIVIL • STRUCTURAL • SURVEYING
317 Main Street Norwich, CT 06360
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STATE OF CONNECTICUT ROBERT A. DERUSH 14796 REGISTERED PROFESSIONAL ENGINEER

West Road & Sara Baker Road
East Haddam, Connecticut 06423

Residential Subdivision

Driveway Sightline Plan

Project No.	CLA-6788
Proj. Engineer	R.A.D.
Date:	4/21/2022
Sheet No.	5

CLA

TOWN OF SALEM
TOWN OF EAST HADDAM

West Road

Sara Baker Road

PROPOSED 4 BEDROOM HOUSE F.F.=462.0±

PROPOSED 4 BEDROOM HOUSE F.F.=473.0±

PROPOSED 4 BEDROOM HOUSE F.F.=483.5±

GAR.

RESERVE SYSTEM

RAIN GARDEN

LOT 1

LOT 2

LOT 3

CONNECT ROOF LEADERS TO FOOTING DRAIN INTO RAIN GARDEN (LOT 1)

RAIN GARDEN (LOT 1)
TOP ELEV. = 452.5
BOTT ELEV. = 451.5
SPILLWAY = 452.3
MAX VOLUME = 1,500 C.F.

RAIN GARDEN (LOT 2-1)
TOP ELEV. = 458.0
BOTT ELEV. = 457.0
SPILLWAY = 457.8
MAX VOLUME = 1,000 C.F.

ROOF LEADERS TO DRAIN TO RAIN GARDEN (LOT 2-2)

RAIN GARDEN (LOT 2-2)
TOP ELEV. = 469.0
BOTT ELEV. = 468.0
SPILLWAY = 468.8
MAX VOLUME = 700 C.F.

RAIN GARDEN (LOT 3)
TOP ELEV. = 471.0
BOTT ELEV. = 469.8
SPILLWAY = 470.8
MAX VOLUME = 1,500 C.F.

CONNECT ROOF LEADERS TO FOOTING DRAIN INTO RAIN GARDEN (LOT 3)

DRAINAGE AREA

LIMIT OF CLEARING (TYP.)

PONT OF INTEREST

742.50'
N 7°17'00"W
To Drill Hole (Found)

S39° 15' 55.12"E
164.89'

N62° 21' 01.45"W
350.33'

100'

40' Buffer

Drainage Swale

Headwall Inv=408.4

36" CMP Inv=365.8

36" CMP Inv=365.8

36" CMP Inv=366.1

Iron Pipe (Found)

Eversource 2572 W/Conduit

CL&P 2573 W/Conduit

CL&P 5787 W/Conduit

CL&P 2574 W/Conduit

CL&P 2575 W/Conduit

CL&P 8512S

Eversource 2571

CL&P 2569

CL&P 2568

CL&P 2567

N/F
Nature Conservancy Inc
West Road
Map 44 Lot 14
Volume 1034 Page 279

GRID NORTH (CT NAD 83)

SITE LOCATION

West Road
Town of Salem
Town of Salem
Burnhams Brook
Town of East Haddam
Sara Baker Road

LOCATION MAP
Scale: 1"=500'

LEGEND TO DRAWING

- EXISTING CONTOUR
- EXISTING PROPERTY LINE
- CONCEPTUAL LOT LINE
- INLAND WETLANDS
- INLAND WETLAND REGULATED AREA
- SLOPES OVER 20%
- MINIMUM BUILDABLE AREA
- SOIL BOUNDARY

40' 0 40' 80'
SCALE: 1"=40'

APPROVED BY THE TOWN OF EAST HADDAM PLANNING AND ZONING COMMISSION

CHAIRMAN/SECRETARY _____ DATE: _____

EXPIRATION DATE: _____

No.	DATE	REVISION

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317 Main Street Norwich, CT 06360
(860) 886-1966 Fax (860) 886-9165

STATE OF CONNECTICUT · ROBERT A. DEZIO · 18736 · REGISTERED PROFESSIONAL ENGINEER

West Road & Sara Baker Road
East Haddam, Connecticut 06423

Residential Subdivision

Stormwater Management Plan

Project No.	CLA-6788
Proj. Engineer	R.A.D.
Date:	4/21/2022
Sheet No.	6

CLA

DEVELOPMENT

THE PROPOSED DEVELOPMENT IS A 3 LOT RESIDENTIAL SUBDIVISION SERVICED BY PRIVATE DRIVEWAYS. THE PROPOSED LIMITS OF DISTURBANCE HAVE BEEN SHOWN ON PLANS. THE PROPOSED DEVELOPMENT WILL DISTURB APPROXIMATELY 2.6 ACRES.

1. THERE IS NO PROPOSED INLAND WETLAND DISTURBANCE.
2. THERE IS NO PROPOSED WORK WITHIN THE 100-FOOT INLAND WETLAND REGULATED AREA.
3. THERE IS NO 100-YEAR FLOOD PLAIN LOCATED ON THE LOT. A PORTION OF THE LOT LIES WITHIN THE 500-YEAR FLOOD PLAIN. NO WORK HAS BEEN PROPOSED WITHIN THIS AREA. (FIRM MAP #09011C0479J, MAP EFF. AUGUST 5, 2013)
4. NO PORTION OF THE LOT LIES WITHIN A CT DEEP NATURAL DIVERSITY DATABASE AREA.
5. NO PORTION OF THE LOT LIES WITHIN THE COASTAL MANAGEMENT AREA.
6. NO PORTION OF THE LOT LIES WITHIN THE AQUIFER PROTECTION AREA
7. THE RESIDENTIAL LOTS WILL BE SERVED BY ONSITE SEPTIC SYSTEMS.
8. THE RESIDENTIAL LOTS WILL BE SERVED BY ONSITE WELLS.

GENERAL NOTES

1. CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 811 AT LEAST 2 FULL WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
2. INFORMATION SHOWN ON THE DRAWINGS RELATING TO MATERIALS, CONDITIONS, AND/OR LOCATIONS OF EXISTING STRUCTURES AND UTILITIES HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING FIELD SURVEY, UTILITY COMPANY AND TOWN RECORD MAPS AND DRAWINGS, AND IS NOT GUARANTEED ACCURATE OR COMPLETE.
3. THE CONTRACTOR SHALL EXCAVATE TEST PITS AS NEEDED OR AS DIRECTED TO VERIFY UTILITY INFORMATION.
4. PASSAGE OF TRAFFIC ON ROADWAYS/DRIVEWAYS: A MINIMUM OF ONE LANE FOR TRAFFIC SHALL BE MAINTAINED THROUGH THE SITE AT ALL TIMES. THE CONTRACTOR SHALL PERFORM HIS OPERATIONS TO MINIMIZE DISRUPTIONS TO TRAFFIC WITHIN THE PROJECT SITE. A SINGLE LANE OF TRAFFIC MUST BE MAINTAINED AT ALL TIMES FOR RESIDENTS, BUSINESSES AND EMERGENCY VEHICLES.
5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF TRAFFIC, TRAFFIC CONTROL, TEMPORARY SIGNING OR BARRICADES AND LANE CLOSURES. CONTINUOUS ACCESS FOR EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.
6. CONSTRUCTION SIGNS MUST CONFORM TO THE SIGNING REQUIREMENTS OUTLINED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)". ALL SIGN FACES SHALL BE REFLECTORIZED.
7. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS AND ACTIVITIES FOR CONSTRUCTION PURPOSES WITHIN THE STREET LINES, EASEMENTS AND PROPERTY AS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PAVEMENT, ROADWAY, SIDEWALKS, ETC., OUTSIDE OF THE WORK AREA AND SHALL REPAIR SUCH DAMAGE.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY AND PERMANENT SUPPORT OF ALL EXISTING UTILITY POLES IN AN ADJACENT TO THE CONSTRUCTION AREA AND SHALL COMPLY WITH ALL THE REQUIREMENTS AND SPECIAL DETAILS FOR THE SUPPORT OF UTILITIES REQUIRED BY UTILITY AGENCIES.
9. MATERIAL STOCKPILE AND STAGING AREAS: THE CONTRACTOR SHALL LOCATE STOCKPILE, MATERIAL STORAGE AND EQUIPMENT STORAGE AREAS AS SHOWN ON THE PLANS. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL IDENTIFY THESE AREAS AND PROVIDE EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED. ADJUSTMENTS TO THESE LOCATIONS MAY BE MADE IN THE FIELD PROVIDED THAT EROSION AND SEDIMENTATION CONTROL MEASURES ARE FURNISHED & INSTALLED AND IN NO CASE MAY THEY BE LOCATED WITHIN THE 100-FOOT REGULATED AREAS.
10. IF BLASTING IS PERFORMED A PRE-BLAST SURVEY WILL BE REQUIRED. ANY AND ALL BLASTING SHALL CONFORM TO THE REGULATIONS SET FORTH BY THE TOWN AND SHALL BE APPROVED BY THE APPROPRIATE TOWN AGENCIES AND ADJACENT UTILITY OWNERS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTING TO GRADE ALL FRAMES, GRATES, COVERS, VALVE BOXES, ACCESS COVERS, AND ALL OTHER ITEMS WHICH NORMALLY MUST HAVE A FIXED RELATION TO FINISHED GRADE.
12. ALL WORK TO CONFORM TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION FORM 818, DATED 2020, AS REVISED.
13. ALL FILL MATERIAL (BORROW) IMPORTED TO THE SITE SHALL BE "CLEAN FILL" IN ACCORDANCE WITH DEEP'S SOLID WASTE MANAGEMENT REGULATIONS (RCSA SECTION 22a-209-1).

UTILITY NOTES

1. ALL UTILITY AND SERVICE INSTALLATIONS SHALL CONFORM TO THE UTILITY COMPANY REQUIREMENTS AS APPLICABLE.
2. SITE MUST BE AT SUBGRADE BEFORE UTILITIES CAN BE INSTALLED.
3. CONTRACTOR TO COORDINATE GAS/ELECTRIC INSTALLATION WORK WITH UTILITY COMPANY (IF APPLICABLE).

CONSTRUCTION SEQUENCE

IT IS ANTICIPATED THAT THE CONSTRUCTION ACTIVITIES WILL BEGIN DURING THE FALL OF 2022 AND WILL BE COMPLETED IN APPROXIMATELY 18 MONTHS.

CONSTRUCTION SEQUENCE:

1. PRIOR TO ANY SITE DISTURBANCE CONTACT "CALL BEFORE YOU DIG" 811 TO MARK EXISTING UTILITY LOCATIONS.
2. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE EROSION AND SEDIMENTATION CONTROL PLAN & NARRATIVE.
3. CLEAR AND GRUB THE PROPOSED WORK AREA.
4. CUT & FILL FOR THE DRIVEWAYS, SEPTIC SYSTEMS, AND FOUNDATIONS TO ESTABLISH THE SITE SUBGRADE.
5. INSTALL PROPOSED UNDERGROUND UTILITIES.
6. FINISH GRADE THE DRIVEWAYS INSTALL BITUMINOUS SURFACE COURSES AS CALLED FOR IN THE SECTION DETAILS.
7. INSTALL ALL LANDSCAPING. LOAM, SEED, FERTILIZE AND MULCH ALL DISTURBED AREAS AROUND THE ROAD CONSTRUCTION.
8. AFTER ALL DISTURBED AREAS ARE STABILIZED AND WITH PRIOR APPROVAL FROM TOWN STAFF, REMOVE EROSION AND SEDIMENTATION CONTROL MEASURES.

TEST HOLE DATA:

RECORDED BY –
CHATHAM HEALTH DISTRICT
12/09/2021

TEST HOLE L1-1

0-10"	DARK BROWN TOPSOIL
10"-19"	ORANGE BROWN FINE SANDY LOAM
19"-88"	ORANGE BROWN/OLIVE BROWN GREY SILTY SAND, LOOSE

ROOTS 20"
NO WATER
MOTTLING AT 42"
NO LEDGE

TEST HOLE L1-2

0-9"	DARK BROWN TOPSOIL
9"-18"	ORANGE BROWN FINE SANDY LOAM
18"-41"	OLIVE BROWN MODERATELY COMPACT SILTY SAND
41"-81"	GREY BROWN MODERATELY COMPACT MEDIUM SAND AND GRAVEL

ROOTS 17"
NO WATER
MOTTLING AT 41"
NO LEDGE

TEST HOLE L1-3

0-8"	DARK BROWN TOPSOIL
8"-19"	MEDIUM BROWN FINE SILTY SAND, DAMP
19"-32"	MEDIUM BROWN FINE SANDY LOAM WITH GRAVEL, DAMP
32"-88"	OLIVE BROWN/GREY FINE SANDY LOAM WITH GRAVEL, DAMP, MOTTLED

ROOTS 32"
NO WATER
MOTTLING AT 32"
NO LEDGE

TEST HOLE L1-4

0-10"	DARK BROWN TOPSOIL
10"-28"	BROWN FINE TO MEDIUM SANDY LOAM WITH ROCKS AND BOULDERS
28"-41"	LIGHT BROWN MEDIUM SAND
41"-80"	OLIVE BROWN MODERATELY COMPACT SILTY SAND W/ GRAVEL AND ROCKS

ROOTS 30"
NO WATER
MOTTLING AT 48"
NO LEDGE

PERCOLATION TEST DATA

PT#1-1
DEPTH: 21"
PRESOAK: 1 HOUR 40 MIN
INTERVAL: 4"-16"

READING:	CHANGE:
4"	---
7"	-3
9.5"	-2.5
11"	-1.5
11.5"	-0.5
12"	-0.5
12.5"	-0.5
13"	-0.5
13"	-0
13.5"	-0.5
14"	-0.5
14.25"	-0.25
14.5"	-0.25
14.75"	-0.25
15"	-0.25
15.25"	-0.25
15.5"	-0.25
16"	-0.5

END OF TEST

MIN 3:36 TO 4:26 = 50 MIN
IN = 11.5 TO 15 = 3.5
50/3.5 = 13.9 MIN/IN

PERCOLATION RATE: 13.9 MIN/IN (10.1-20.0 MIN/IN)

PERCOLATION TEST CONDUCTED BY
CLA Engineers, Inc, 12/23/21

PERCOLATION TEST DATA

PT#1-2
DEPTH: 25"'
PRESOAK: 1 HOUR 40 MIN
INTERVAL: 5"-18"

TIME:	READING:	CHANGE:
3:15	5"	---
3:20	8"	-3.0
3:25	9.5"	-1.5
3:30	10.5"	-1.0
3:35	11.5"	-1.0
3:40	12"	-0.5
3:45	13"	-1.0
3:50	13.5"	-0.5
3:55	14"	-0.5
4:00	14.75"	-0.25
4:05	15.25"	-0.5
4:10	15.75"	-0.5
4:15	16"	-0.25
4:20	16.5"	-0.5
4:25	17"	-0.5
4:30	17.5"	-0.5
4:35	17.75"	-0.25
4:40	18"	-0.25

END OF TEST

MIN 3:50 TO 4:30 = 40 MIN
IN = 13.5 TO 17.5 = 4
40/4 = 10.0 MIN/IN

PERCOLATION RATE: 10. MIN/IN (5.1-10.0 MIN/IN)

PERCOLATION TEST CONDUCTED BY
CLA Engineers, Inc, 12/23/21

TEST HOLE L2-1

0-6"	TOPSOIL
6"-30"	ORANGE BROWN SILTY LOAM WITH GRAVEL
30"-41"	OLIVE BROWN FINE SILTY SAND
41"-83"	OLIVE BROWN FINE SILTY SAND, MODERATELY COMPACT, MOTTLED

ROOTS 58"
NO WATER
MOTTLING AT 40"
NO LEDGE

TEST HOLE L2-2

0-4"	TOPSOIL
4"-23"	ORANGE BROWN FINE SANDY LOAM
23"-34"	OLIVE BROWN SANDY LOAM
34"-43"	OLIVE BROWN SANDY LOAM, MODERATELY COMPACT
43"-85"	OLIVE BROWN FINE SAND WITH SILT, ROCKS AND GRAVEL, FIRM

ROOTS 46"
NO WATER
MOTTLING AT 40"
NO LEDGE

TEST HOLE L2-3

0-6"	TOPSOIL
6"-44"	MEDIUM BROWN FINE SANDY LOAM, DAMP, FIRM TO VERY FIRM @34"
44"-82"	OLIVE BROWN/ GREY FINE TO MEDIUM SANDY LOAM WITH ROCKS, DAMP, MODERATELY COMPACT

ROOTS 42"
NO WATER
MOTTLING AT 44"
NO LEDGE

TEST HOLE L2-4

0-8"	TOPSOIL
8"-36"	MEDIUM BROWN/ LIGHT BROWN SILTY SAND WITH ROCKS, DAMP
36"-45"	ORANGE BROWN MEDIUM SAND AND GRAVEL
45"-87"	OLIVE BROWN / GREY SILTY SAND, MODERATELY COMPACT, DAMP, MOTTLED

ROOTS 40"
NO WATER
MOTTLING AT 45"
NO LEDGE

PERCOLATION TEST DATA

PT#2-1
DEPTH: 23"'
PRESOAK: 1 HOUR 20 MIN
INTERVAL: 6"-16"

READING:	CHANGE:
6"	---
7"	-1.0
8"	-1.0
9"	-1.0
9.5"	-0.5
10"	-0.5
10.75"	-0.75
11.25"	-0.5
11.75"	-0.5
12.25"	-0.5
12.75"	-0.5
13.25"	-0.5
13.5"	-0.25
14"	-0.5
14.5"	-0.5
14.75"	-0.25
15.25"	-0.5
15.5"	-0.25
16"	-0.5

END OF TEST

MIN 3:34 TO 4:29 =55 MIN
IN = 10 TO 15.25 = 5.25
65/6 = 10.5 MIN/IN

PERCOLATION RATE: 10.5 MIN/IN (10.1-20.0 MIN/IN)

PERCOLATION TEST CONDUCTED BY
CLA Engineers, Inc, 12/23/21

PERCOLATION TEST DATA

PT#2-2
DEPTH: 24"'
PRESOAK: 1 HOUR 20 MIN
INTERVAL: 5.5"-16.75"

TIME:	READING:	CHANGE:
3:12	5.5"	----
3:17	7.5"	-2.0
3:22	9"	-1.5
3:27	9.5"	-0.5
3:32	10.5"	-1.0
3:37	11.25"	-0.75
3:42	11.75"	-0.5
3:47	12.25"	-0.5
3:52	12.75"	-0.5
3:57	13.25"	-0.5
4:02	13.75"	-0.5
4:07	14.25"	-0.5
4:12	14.5"	-0.25
4:17	15"	-0.5
4:22	15.5"	-0.5
4:27	16"	-0.5
4:32	16.25"	-0.25
4:37	16.5"	-0.25
4:42	16.75"	-0.25

END OF TEST

MIN 3:42 TO 4:27 = 45 MIN
IN = 11.75 TO 16 = 4.25
45/4.25 = 10.6 MIN/IN

PERCOLATION RATE: 10.6 MIN/IN (10.1-20.0 MIN/IN)

PERCOLATION TEST CONDUCTED BY
CLA Engineers, Inc, 12/23/21

TEST HOLE L3-1

0-6"	TOPSOIL
6"-32"	BROWN FINE SILTY LOAM WITH GRAVEL
32"-41"	OLIVE BROWN MEDIUM TO COARSE SAND WITH SILT AND GRAVEL
41"-82"	MEDIUM SILTY SAND, MODERATELY COMPACT WITH STONES AND GRAVEL

ROOTS 41"
NO WATER
MOTTLING AT 41"
NO LEDGE

TEST HOLE L3-2

0-9"	TOPSOIL
9"-18"	LIGHT BROWN FINE SILTY LOAM
18"-41"	OLIVE BROWN SILTY LOAM
41"-81"	BROWN VERY FINE SAND WITH ROCKS AND GRAVEL, FIRM IN PLACE

ROOTS 48"
NO WATER
MOTTLING AT 30"
NO LEDGE

TEST HOLE L3-3

0-14"	TOPSOIL
14"-38"	MEDIUM BROWN / LIGHT BROWN FINE SILTY LOAM WITH GRAVEL
38"-76"	OLIVE BROWN / BROWN /GREY FINE SANDY LOAM, DAMP, MODERATELY COMPACT, MOTTLED

ROOTS 33"
NO WATER
MOTTLING AT 37"
NO LEDGE

TEST HOLE L3-4

0-6"	TOPSOIL
6"-41"	RED BROWN / LIGHT BROWN FINE SILTY LOAM
41"-44"	POCKETS OF SAND
44"-77"	MEDIUM LIGHT BROWN SAND

ROOTS 38"
NO WATER
MOTTLING AT 44"
NO LEDGE

PERCOLATION TEST DATA

PT#3-1
DEPTH: 23"'
PRESOAK: 1 HOUR 20 MIN
INTERVAL: 5.5"-23"

READING:	CHANGE:
5.5"	---
9.25"	-3.75
10.75"	-1.5
12"	-1.25
13.25"	-1.25
14"	-0.75
15"	-1.0
16"	-1.0
16.5"	-0.5
17.5"	-1.0
18.25"	-0.75
18.75"	-0.5
19.25"	-0.5
20"	-0.75
20.5"	-0.5
21.25"	-0.75
21.5"	-0.25
22"	-0.5
23"	-1.0

END OF TEST

MIN 3:37 TO 4:22 = 45 MIN
IN = 15 TO 21.25 = 6.25
45/6.25 = 7.2 MIN/IN

PERCOLATION RATE: 7.2 MIN/IN (5.1-10.0 MIN/IN)

PERCOLATION TEST CONDUCTED BY
CLA Engineers, Inc, 12/23/21

PERCOLATION TEST DATA

PT#3-2
DEPTH: 24"'
PRESOAK: 1 HOUR 20 MIN
INTERVAL: 8"-18.5"

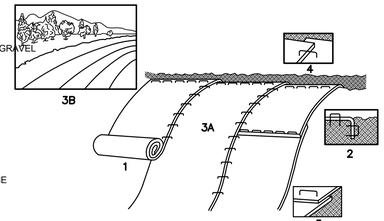
TIME:	READING:	CHANGE:
3:09	8"	----
3:14	9"	-1.0
3:19	9.75"	-1.75
3:24	10.5"	-0.75
3:29	11.25"	-0.75
3:34	12"	-0.75
3:39	12.75"	-0.75
3:44	13.5"	-0.75
3:49	14"	-0.5
3:54	14.5"	-0.5
3:59	15"	-0.5
4:04	15.5"	-0.5
4:09	16"	-0.5
4:14	16.5"	-0.5
4:19	17"	-0.5
4:24	17.25"	-0.25
4:29	17.5"	-0.25
4:34	18"	-0.5
4:39	18.5"	-0.5

END OF TEST

MIN 3:24 TO 4:19 = 55 MIN
IN = 10.5 TO 17 = 6.5
55/6.5 = 8.5 MIN/IN

PERCOLATION RATE: 8.5. MIN/IN (5.1-10.0 MIN/IN)

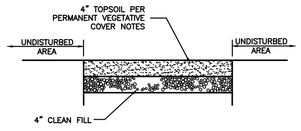
PERCOLATION TEST CONDUCTED BY
CLA Engineers, Inc, 12/23/21



1. PROVIDE 4" THICKNESS OF TOPSOIL OVER CLEAN FILL. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED MIX PER PERMANENT VEGETATIVE COVER NOTES. (SHALL BE PAID FOR AT THE UNIT PRICE FOR LOAM, SEED, FERTILIZE & MULCH)
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP x 6" WIDE TRENCH, BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKET (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

NOTE: ALL PERMANENT EROSION CONTROL BLANKETS ARE TO BE NORTH AMERICAN GREEN BIONET C125BN OR APPROVED EQUAL.

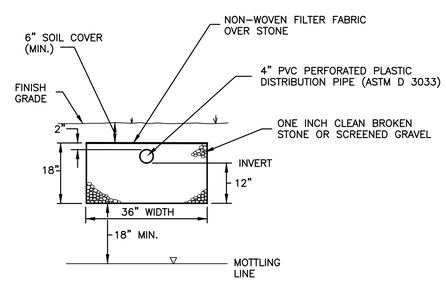
EROSION CONTROL MATTING DETAIL (FOR 3:1 SLOPES OR GREATER)



TYPICAL LOAM & SEED SECTION DETAIL (FOR ALL DISTURBED AREAS)

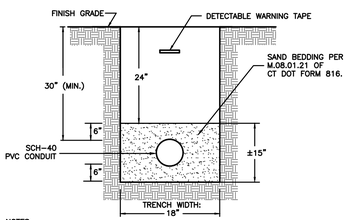
SLOPE STABILIZATION DETAILS

NOT TO SCALE



18" x 36" LEACHING TRENCH

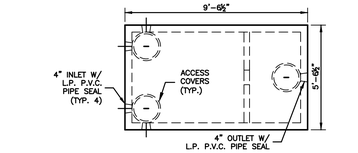
NOT TO SCALE



NOTES:
1. TRENCH WIDTHS NOTED ARE SET TO ESTABLISH PAY LIMITS ONLY.
2. ALL EXCAVATIONS MUST MEET OSHA STANDARDS.
4. CONTRACTOR TO PROVIDE COMPACTION ON ALL TRENCH BACKFILLS, EXCAVATIONS AND PAVEMENT BASES TO NOT LESS THAN 95% OF THE DRY DENSITY FOR THAT MATERIAL.
5. MAINTAIN 2" SEPARATION BETWEEN MULTIPLE CONDUIT TRENCHES

TYPICAL CONDUIT TRENCH DETAIL

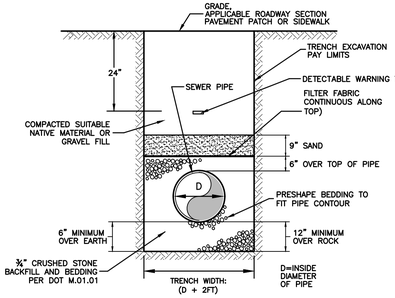
NOT TO SCALE



1. DIMENSIONS MAY VARY DEPENDING ON TANK MANUFACTURER (UNITED CONCRETE SHOWN)
2. CONCRETE – 4,000 P.S.I. AT 28 DAYS
3. STEEL REINFORCEMENT– ASTM A-615 GR. 60, A-185 OR A-497, 1" MIN. COVER
4. CONSTRUCTION JOINT–SEALED WITH 1" DIA. BUTYL RUBBER OR EQUIVALENT.
5. SEPTIC TANK SHALL MEET THE REQUIREMENTS OF SECTION 5 OF THE CT PUBLIC HEALTH CODE
6. PROVIDE RISERS AND ACCESS COVER TO WITHIN 12" OF FINISHED GRADE. TANK ACCESS COVERS TO REMAIN IN PLACE

1,250 GALLON SEPTIC TANK

NOT TO SCALE



NOTES:
1. D=INSIDE DIAMETER OF PIPE.
2. TRENCH WIDTHS NOTED ARE SET TO ESTABLISH PAY LIMITS ONLY.
3. ALL EXCAVATIONS MUST MEET OSHA STANDARDS.
4. CONTRACTOR TO PROVIDE COMPACTION ON ALL TRENCH BACKFILLS, EXCAVATIONS AND PAVEMENT BASES TO NOT LESS THAN 95% OF THE DRY DENSITY FOR THAT MATERIAL.

TRENCH DETAIL: SANITARY SEWER PIPE

NOT TO SCALE

APPROVED BY THE TOWN OF EAST HADDAM PLANNING AND ZONING COMMISSION

CHAIRMAN/SECRETARY _____ DATE: _____

EXPIRATION DATE: _____

No.	DATE	REVISION

CLA Engineers, Inc.
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STATE OF CONNECTICUT · ROBERT A. DEMICO · 18796 · REGISTERED PROFESSIONAL ENGINEER

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Residential Subdivision

Details

Project No.	CLA-6788
Proj. Engineer	R.A.D.
Date:	4/21/2022
Sheet No.	7

CLA