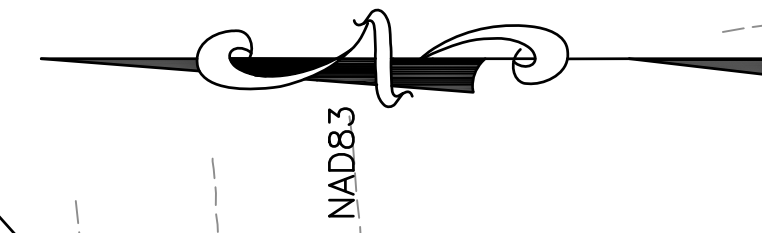
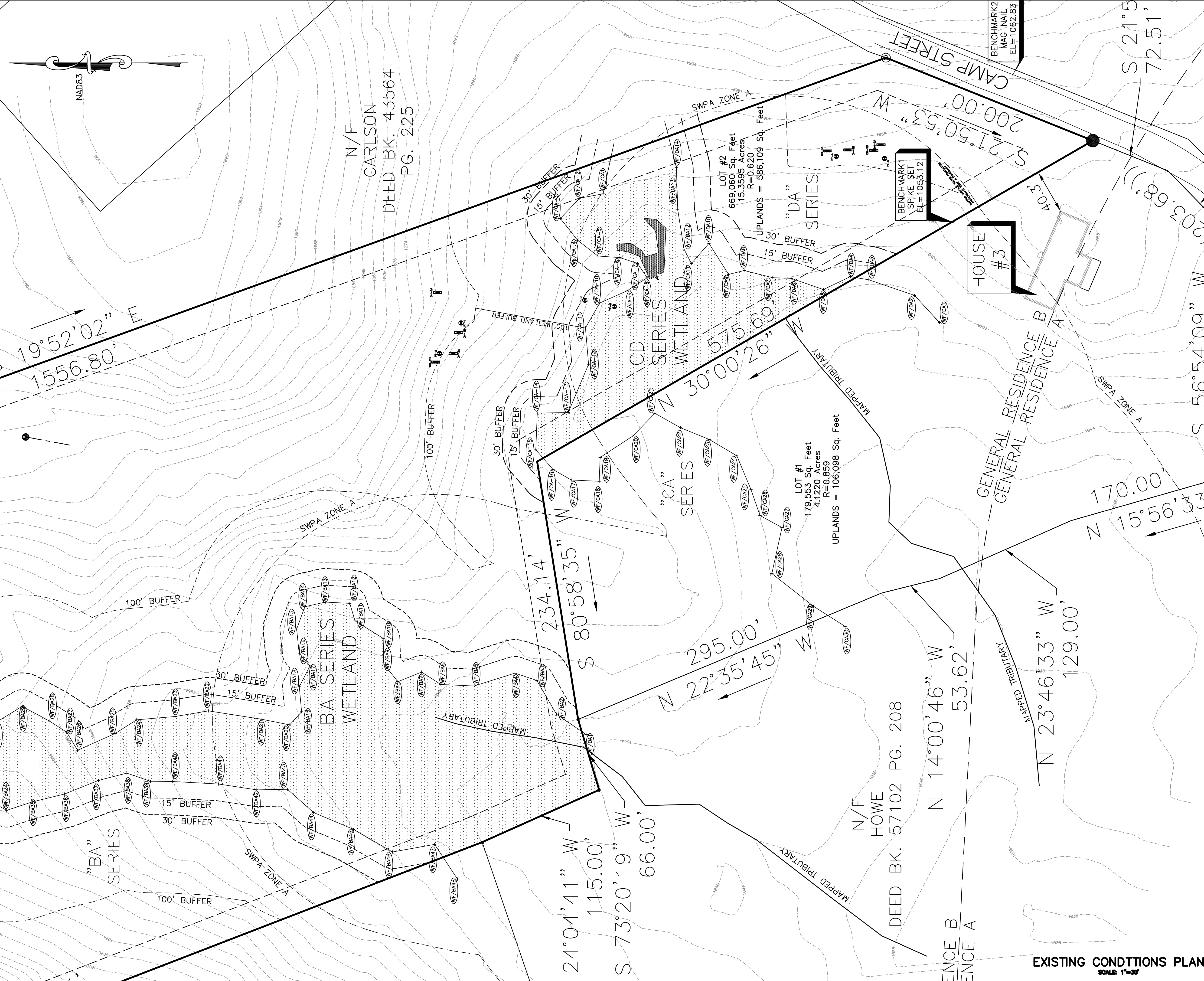




LOCUS
SCALE: NOT TO SCALE



NO.	REVISION	DATE
2	BOH COMMENTS	4/28/22
1	TOWN COMMENTS	4/6/22

OWNER:
FARELL + FARRELL
3 CAMP STREET
PAXTON, MA 01812
(508) 785-3788

APPLICANT:
SADEGH + FARRELL
3 CAMP STREET
PAXTON, MA 01812

PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEM PLAN
PAXTON, MA
CAMP STREET



QUINN ENGINEERING, INC.
P.O. Box 107
Paxton, Massachusetts 01612
(508) 753-7999 Fax: (508) 795-0939

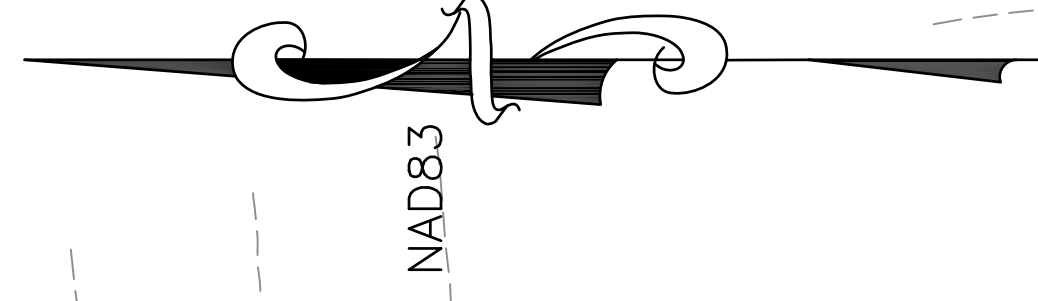
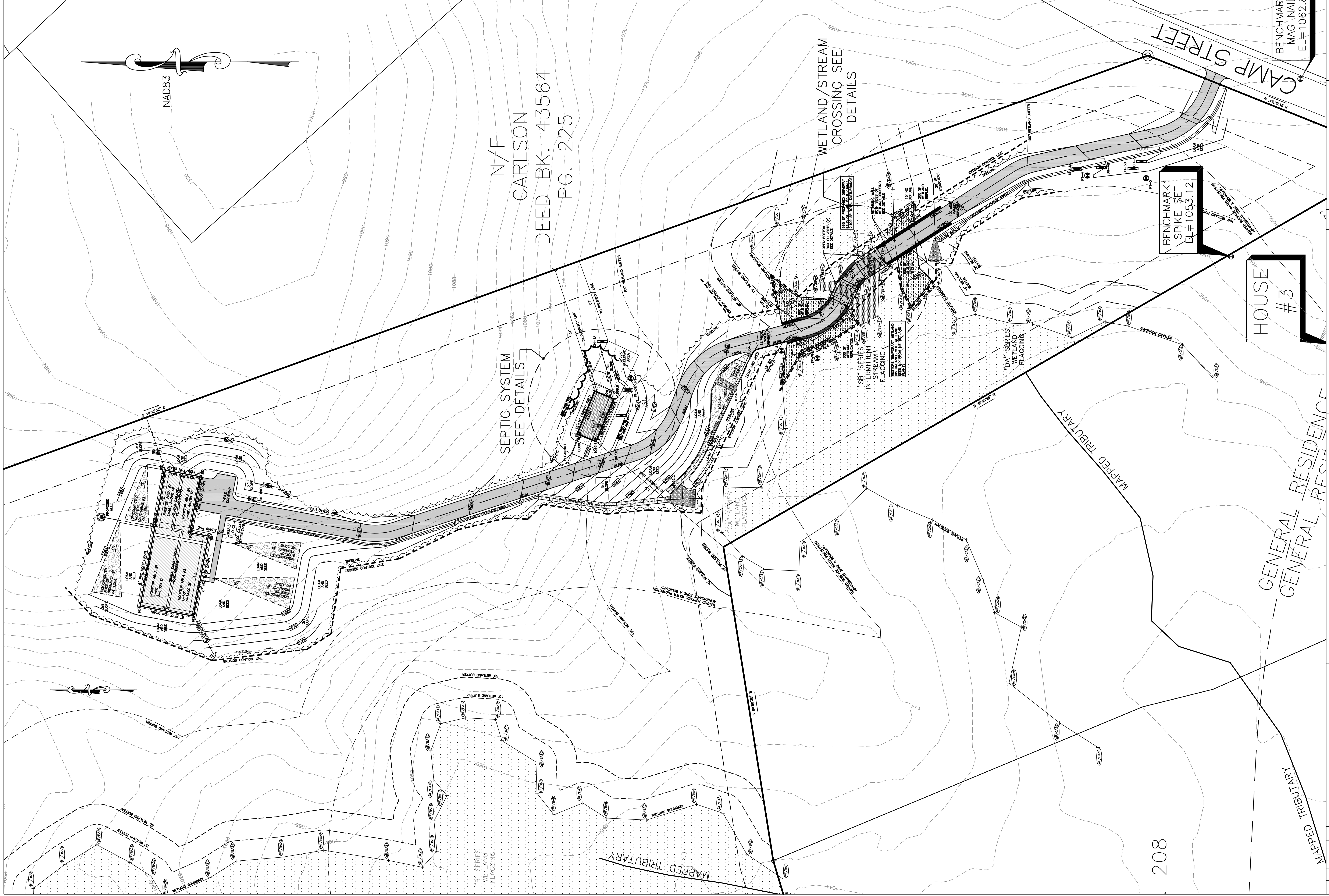
DATE: DECEMBER 23, 2021

EXISTING CONDITIONS PLAN

CAMP STREET

SHEET 1 OF 5

EXISTING CONDITIONS PLAN
SCALE: 1"=30'



N/F
CARLSON
DEED BK. 43564
PG. 225

BENCHMARK 1
SPIKE SET
EL = 1053.12

HOUSE #3

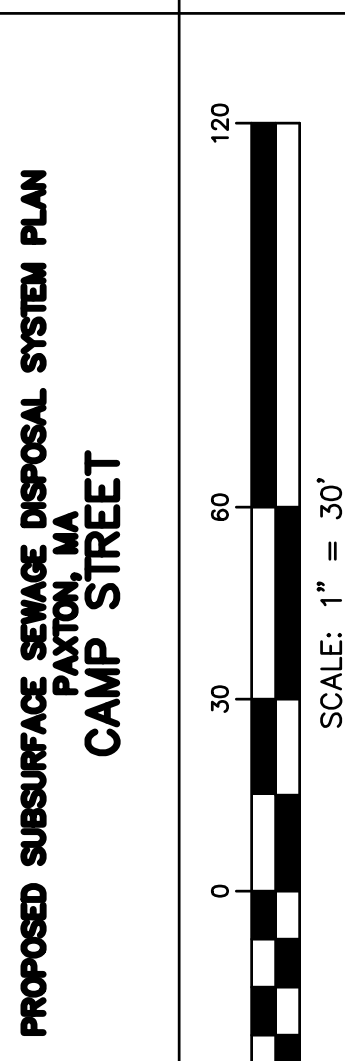
BENCHMARK
MAG NAIL
EL = 1062.8



NO.	REVISION	DATE
2	BOI COMMENTS	4/29/22
1	TOWN COMMENTS	4/6/22

OWNER: + FARRELL
3 CAMP STREET
PAXTON, MA 01812
(508) 789-3788

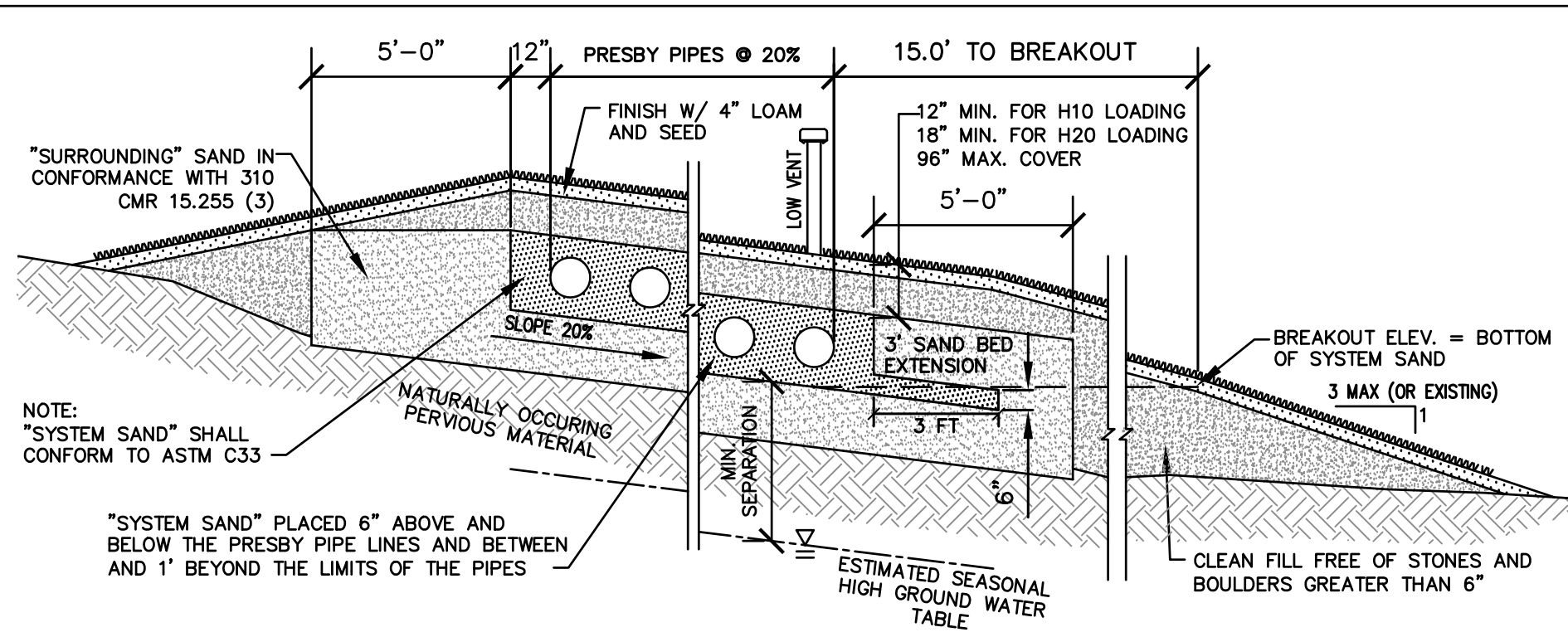
APPLICANT:
SADEGH + FARRELL
3 CAMP STREET
PAXTON, MA 01812



PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEM PLAN
PAXTON, MA
CAMP STREET

QUINN ENGINEERING, INC.
P.O. Box 107
Paxton, Massachusetts 01812
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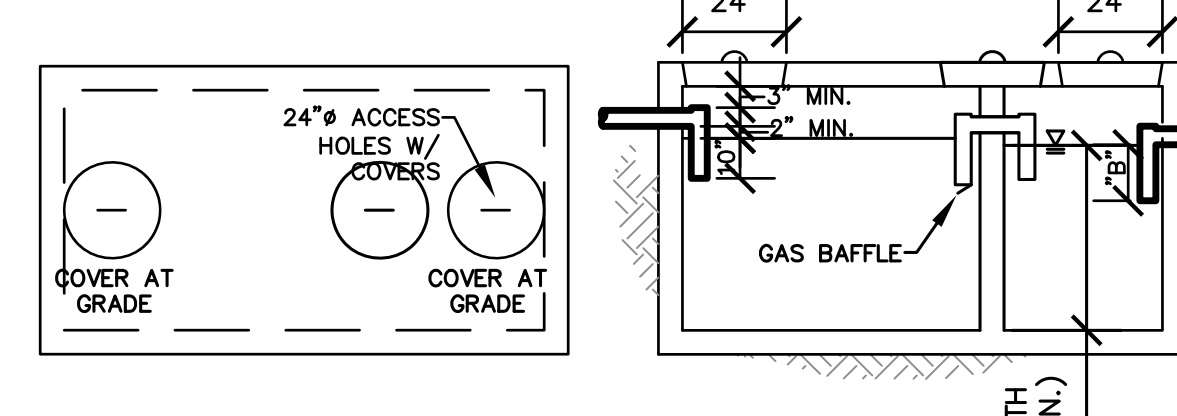
DATE: DECEMBER 23, 2021
PROPOSED DEVELOPMENT PLAN
CAMP STREET
SHEET 2 OF 5



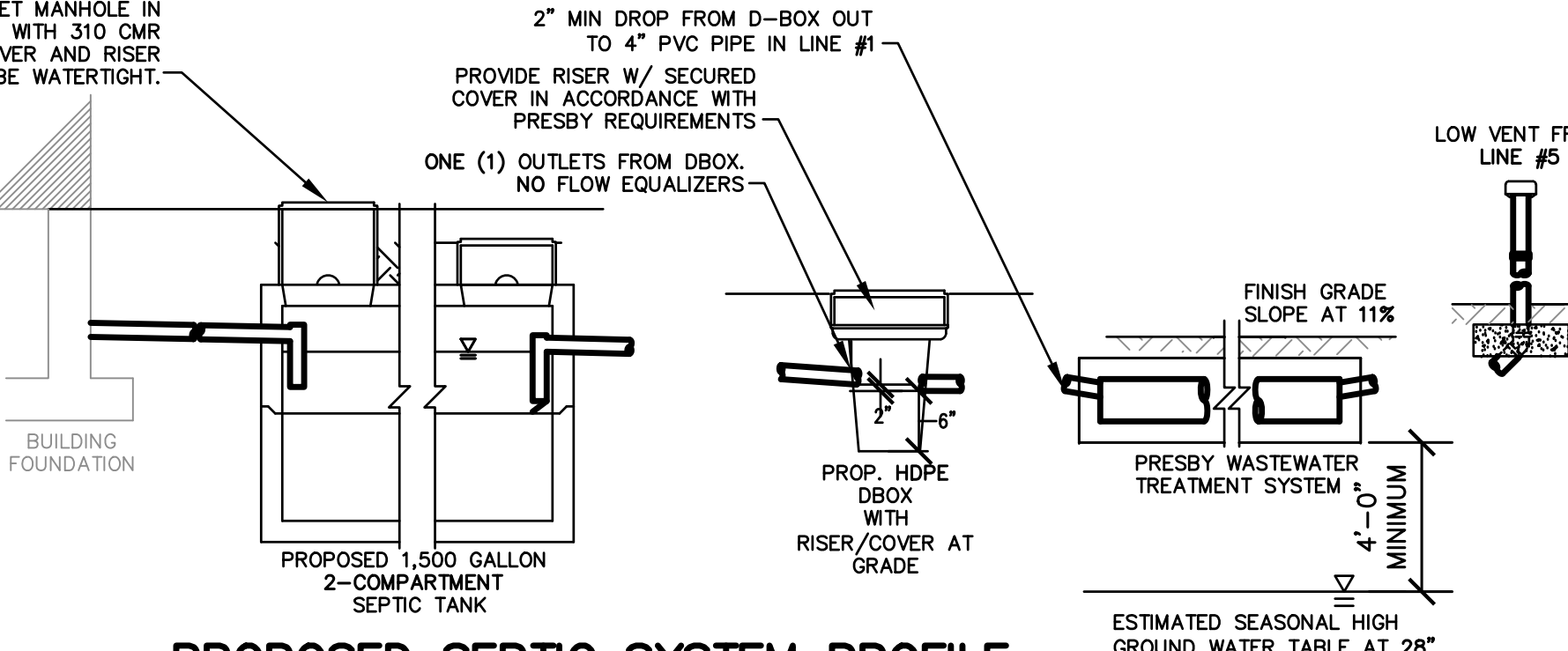
PRESBY ENVIRO-SEPTIC WASTEWATER TREATMENT SYSTEM SECTION
SCALE: 1/4"=1'-0"

- NOTES:
1. DIST. BOX TO BE PLACED ON A LEVEL & STABLE BASE THAT HAS BEEN COMPACTED BY A VIBRATORY COMPACTOR OR EQUAL.
 2. MIN. 4'-0" ELEV. REQUIRED BETWEEN BOTTOM OF LEACHING AREA AND MAX. GROUNDWATER ELEVATION.
 3. THE DESIGN ELEVATIONS INDICATED WILL PROVIDE AT LEAST THE MINIMUM SLOPES FOR THE LENGTHS INDICATED ON PLAN. IF ANY COMPONENT OF THE SYSTEM IS MOVED, THE DESIGN ELEVATIONS MAY NOT PROVIDE ADEQUATE SLOPE. CHECK WITH ENGINEER BEFORE MOVING ANY COMPONENT.
 4. ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC TAPE OR A COMPARABLE MEANS IN ACCORDANCE WITH 310 CMR 15.221(12).

- NOTES:
1. A = LIQUID DEPTH
 2. B = 14" FOR 4" LIQUID DEPTH
 3. TANK CONSTRUCTION SHALL CONFORM TO 310 CMR 15.000.
 4. TANK SHALL BE CAPABLE OF CARRYING H10 WHEEL LOAD WITH THE PROP. SOIL OVERBURDEN.
 5. PROVIDE RISERS WITH LOCKABLE, WATERTIGHT COVERS TO GRADE OVER BOTH TEE'S.



1,500 GALLON 2-COMPARTMENT SEPTIC TANK DETAIL
SCALE: NOT TO SCALE



PROPOSED SEPTIC SYSTEM PROFILE
SCALE: NOT TO SCALE

SYSTEM NOTES:

1. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE ENGINEER TO VERIFY THAT THE CONSTRUCTION PLANS ARE THE MOST CURRENT REVISION.
2. ALL MODIFICATIONS TO THIS PLAN MUST BE PRE-APPROVED IN WRITING BY THE DESIGN ENGINEER AND THE LOCAL BOARD OF HEALTH.
3. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM WITH THE LOCAL BOARD OF HEALTH AND THE STATE ENVIRONMENTAL CODE TITLE 5 (310 CMR 15.000) & THE MANUFACTURER'S SPECIFICATIONS.
4. SEVENTY TWO HOURS PRIOR TO COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL NOTIFY DIG-SAFE AT 811. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF NEW UTILITIES WITHIN THE VICINITY OF EXISTING UTILITIES (UNDERGROUND AND OVERHEAD) WITH THE APPROPRIATE UTILITY PROVIDER.
5. EXISTING UTILITY LOCATIONS ARE APPROXIMATE ARE TO BE FIELD VERIFIED. QUINN ENGINEERING, INC. DOES NOT WARRANT THAT ALL EXISTING UTILITIES HAVE BEEN INDICATED. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE EXISTING UTILITY LOCATIONS AND ENSURING THAT THE PROPOSED WORK DOES NOT CONFLICT WITH THE EXISTING UTILITIES (SHOWN OR NOT SHOWN).
6. THE SYSTEM WAS NOT DESIGNED TO FACILITATE A GARBAGE DISPOSAL.
7. A SURVEYOR REGISTERED IN THE COMMONWEALTH OF MASSACHUSETTS SHALL STAKE OUT THE SYSTEM LOCATION AND SHALL PROVIDE AS-BUILT LOCATION AND ELEVATIONS TO QUINN ENGINEERING, INC. THE INSTALLER SHALL NOT COVER THE SYSTEM OR PIPING UNTIL QUINN ENGINEERING, INC. VERIFIES FROM THE AS-BUILT INFORMATION PROVIDED THAT THE SYSTEM LOCATIONS AND ELEVATIONS ARE SUITABLE.
8. ALL PORTIONS OF THE FILL, A AND B SOIL HORIZONS SHALL BE REMOVED FROM WITHIN THE LIMITS OF THE LEACHING FACILITY AND FOR A DISTANCE OF FIVE FEET IN ALL DIRECTIONS THEREFROM (310 CMR 15.255 (5)). (SEE DEEP HOLE DATA FOR SOIL HORIZON INFORMATION.)
9. WHERE A SEWAGE DISPOSAL SYSTEM IS TO BE CONSTRUCTED IN FILL, THE FILL SHALL BE PLACED AND COMPACTED IN 12 INCH LIFTS OR ALLOWED TO SETTLE FOR A MINIMUM OF ONE YEAR. THE FILL MATERIAL MUST CONFORM WITH THE LOCAL BOARD OF HEALTH AND STATE ENVIRONMENTAL CODE TITLE 5 SECTION 15.255.
10. ALL INTERIOR PLUMBING SHALL BE CONNECTED TO PROPOSED LEACHING FACILITY WITH THE EXCEPTION OF WATER SOFTENING OR CONDITIONING SYSTEMS, BACKWASH FROM FILTRATION SYSTEMS, OR FLOOR DRAINS.
11. THE INSTALLER SHALL SUBMIT TO THE ENGINEER A GRADATION ANALYSIS FOR THE FILL WITHIN THE SYSTEM TO DEMONSTRATE CONFORMANCE WITH 310 CMR 15.255(3) FOR "TITLE 5 FILL" & CONFORMANCE WITH THE MANUFACTURER'S SPECIFICATIONS FOR THE "SYSTEM SAND" PRIOR TO PLACING THE FILL.
12. THE SYSTEM INSTALLATION SHALL BE INSPECTED BY THE LOCAL BOARD OF HEALTH AT THE MILESTONES AS DETERMINED BY THE LOCAL BOARD OF HEALTH.
13. THE INSTALLER SHALL NOTIFY QUINN ENGINEERING, INC. AT LEAST 24 HOURS IN ADVANCE OF REQUESTING INSPECTIONS. QUINN ENGINEERING, INC. SHALL CONDUCT INSPECTIONS AT THE FOLLOWING MILESTONES:
 - A. EXCAVATION COMPLETE - PRIOR TO PLACING FILL
 - B. INSTALLATION OF PIPING
 - C. FINISH GRADING COMPLETE
 - D. COMPLETE STABILIZATION
14. ALL SYSTEM PIPING SHALL BE MARKED WITH MAGNETIC MARKING TAPE IN ACCORDANCE WITH 310 CMR 15.221 (12).
15. THE SYSTEM OWNER SHALL HAVE A SEPTAGE HANDLER, LICENSED BY THE LOCAL BOARD OF HEALTH, PUMP THE SEPTIC TANK IN ACCORDANCE WITH 310 CMR 15.351. ALL COMPONENTS OF THE SYSTEM SHALL BE MAINTAINED IN ACCORDANCE WITH 310 CMR 15.351, THE SYSTEM MANUFACTURER'S REQUIREMENTS OR OTHER APPLICABLE SECTION OF 310 CMR 15.
16. MACHINERY WHICH MAY CRUSH OR DISTURB THE PIPE SHALL NOT BE ALLOWED ON THE DISPOSAL AREA.
17. THE CONSTRUCTION OF PERMANENT STRUCTURES UPON THE DISPOSAL SYSTEM AND/OR RESERVE AREA IS NOT ALLOWED.

PRESBY LEACHING SYSTEM NOTES:

1. INSTALLATION, MAINTENANCE, MONITORING, REPORTING, ETC. SHALL BE IN ACCORDANCE WITH THE ALTERNATIVE USE CERTIFICATION ISSUED BY DEP DATED OCTOBER 2019 AND IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
2. MASS DEP AND PRESBY REQUIRE ALL DESIGNERS AND INSTALLERS TO BE CERTIFIED. SYSTEM TO BE INSTALLED IN ACCORDANCE WITH PRODUCT DESIGN AND INSTALLATION MANUAL, STATE AND LOCAL REGULATIONS. FOR PRODUCT INFORMATION OR THE NEAREST DEALER CONTACT PRESBY.
3. INSTALLERS OF PRESBY SYSTEMS SHALL PROVIDE OWNER, MANUFACTURER, AND THE LOCAL APPROVING AUTHORITY WITH A COPY OF A COMPLETED "SYSTEM INSTALLATION REPORT FORM" FOR EACH NEW OR REMEDIAL SYSTEM INSTALLED.
4. ALL SYSTEMS SHALL BE DESIGNED AND INSTALLED USING DISTRIBUTION BOXES AS INSPECTION PORTS. THE OUTLET OF THE D-BOX SHALL BE AT LEAST 2" ABOVE THE INLET OF THE HIGHEST PRESBY LINE WITH THE CONNECTING PIPE SLOPE NOT LESS THAN 2%.
5. THE MINIMUM TOTAL DEPTH OF COVER ON PRESBY LINES IS 10": 6" OF SYSTEM SAND PLUS 4" OF TOPSOIL. PRESBY PIPES WITH 12" OF STRUCTURAL COVER IS DESIGNED FOR H-10 LOADING, AND PRESBY PIPE WITH 18" OF STRUCTURAL COVER IS DESIGNED FOR H-20 LOADING.
6. THE USE OF PRESSURE DISTRIBUTION LINES IN PRESBY WASTEWATER TREATMENT SYSTEMS IS PROHIBITED.
7. SYSTEMS INCORPORATING PUMPS TO GAIN ELEVATION MUST USE DIFFERENTIAL VENTING AND VELOCITY REDUCTION TO CONTROL LIQUID FLOW. VELOCITY REDUCTION MAY BE ACCOMPLISHED THROUGH THE USE OF A DISTRIBUTION BOX WITH A TEE OR 90° ELBOW AT THE EFFLUENT MAIN OUTLET.
8. EACH PRESBY SYSTEM MUST BE INSTALLED WITH VENTING AT THE END OF EACH D-BOX LINE, SECTION OR SERIAL BED. VENT MANIFOLDS MAY BE USED TO CONNECT MULTIPLE VENTS TO ONE VENT OUTLET.
9. EFFLUENT TEE FILTERS WILL NOT BE REQUIRED FOR SEPTIC TANKS USED IN GRAVITY PRESBY SYSTEMS.
10. PRESBY SYSTEMS MAY BE INSTALLED IN AN AREA UP TO 40% SMALLER THAN A CONVENTIONAL TITLE 5 BED DESIGNED IN ACCORDANCE WITH 310 CMR 15.252. CURRENTLY MASSACHUSETTS LIMITS ALL SYSTEMS TO A MINIMUM BED SIZE OF 400 SF.
11. ALL CONFIGURATIONS OF PRESBY SYSTEM REQUIRE A MINIMUM OF 6" OF SYSTEM SAND SURROUNDING THE CIRCUMFERENCE OF THE PIPE, AND 12" OF SAND BEYOND ALL PIPE ENDS AND THE OUTER PIPE ROWS (FIRST & LAST). ASTM STANDARD: C-33 (CONCRETE SAND) MEETS THE REQUIREMENTS FOR SYSTEM SAND.
12. SAND BEDS SLOPING 10% OR LESS REQUIRE THE SYSTEM SAND AREA TO EXTEND A MINIMUM OF 1 FOOT AROUND THE PERIMETER OF THE PRESBY PIPE (SEE EFFLUENT DISPOSAL AREA CROSS SECTION DETAIL).
13. SAND BEDS SLOPING GREATER THAN 10% REQUIRE THE SYSTEM SAND AREA TO EXTEND A MINIMUM OF 1 FOOT AROUND THE PERIMETER OF THE PRESBY PIPE PLUS AN ADDITIONAL 3 FOOT EXTENSION SHALL BE PROVIDED ON THE DOWNSLOPE SIDE. (SEE EFFLUENT DISPOSAL AREA CROSS SECTION DETAIL).
14. A COMBINATION DISTRIBUTION IS REQUIRED FOR SYSTEMS WITH GREATER THAN 500GPD. TO PREVENT MOVEMENT, BE SURE DISTRIBUTION BOX IS PLACED ON A STABLE SOIL BASE OR CONCRETE PAD.
15. ALL DISTRIBUTION BOXES THAT DIVIDE EFFLUENT FLOW IN PUMP OR GRAVITY SYSTEMS REQUIRE FLOW EQUALIZERS IN THEIR OUTLETS. MOST FLOW EQUALIZERS ARE LIMITED TO A MAXIMUM OF 10 GALLONS/MINUTE IN GRAVITY SYSTEMS AND 20 GALLONS/MINUTE IN PUMPED SYSTEMS.
16. DO NOT INSTALL SYSTEM ON FROZEN GROUND OR LEAVE SYSTEM UNCOVERED FOR EXTENDED PERIODS OF TIME.

CERTIFICATION:

I CERTIFY THAT I AM CURRENTLY APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PURSUANT TO 310 CMR 15.017 TO CONDUCT SOIL EVALUATIONS AND THAT I HAVE PERFORMED THE REQUIRED WORK WITHIN THE REQUIRED TIME PERIOD. I AM A LICENSED PROFESSIONAL ENGINEER, TRAINING, EXPERTISE, AND THE EXPERIENCE DESCRIBED IN 310 CMR 15.017. I FURTHER CERTIFY THAT THE RESULTS OF MY SOIL EVALUATION, AS INDICATED ON THE ATTACHED SOIL EVALUATION FORM, ARE ACCURATE AND IN ACCORDANCE WITH 310 CMR 15.100 THROUGH 15.017.

KEVIN QUINN, PE

DESIGN CRITERIA:

RESIDENTIAL LOADING:	4 BEDROOMS
PERC RATE:	11 MPI
SOIL GROUP:	20 %
SYSTEM SLOPE:	NOT ALLOWED
PIPE ROW LENGTH:	32 FT
ENVIRO-SEPTIC PIPE REQ'D:	220 FT
ENVIRO-SEPTIC PIPE PROVIDED:	224 FT
USE C/L TO C/L SPACING:	34 FT
NUMBER OF SECTIONS:	2.0 FT
NUMBER OF PIPE ROWS:	7 ROWS
MIN SAND AREA REQ'D:	400 SQ FT
SAND AREA PROVIDED:	510 SQ FT
SYSTEM SAND LENGTH:	15 FT

LEACHING AREA REQUIRED UNDER TITLE 5:
440 GPD/0.56 GPD/S.F. = 786 S.F.
(PRESBY SYSTEMS ARE REQUIRED TO BE NO LESS THAN 60% OF THE AREA OF A PIPE AND AGGREGATE SYSTEM AND NO LESS THAN 400 S.F.)

510 S.F. PROVIDED > (786 S.F.)(60%) OK
510 S.F. PROVIDED > 400 S.F. REQ'D

DESIGN CALCULATIONS:

LEACHING AREA REQUIRED: (440 GPD)/(0.56 GPD/S.F.) = 786 S.F.
(PRESBY ALLOWS FOR 40% REDUCTION IN LEACHING SIZE = 400 S.F. MIN)

CRITERIA:
4 BEDROOM HOUSE
PERC RATE = 11 MPI
% SLOPE OF SYSTEM = 20%
CTR. TO CTR. SPACING = 32 FT

MIN. REQ'D = 2.0'	PROVIDED = 2.0'
MIN. REQ'D = 220 LF	PROVIDED = 224 LF
MINIMUM SAND BED AREA: MIN. REQ'D = 400 SF	PROVIDED = 510 SF

LENGTH OF EACH ENVIROSEPTIC PIPE LINE (L) = 32'
LAYOUT WIDTH OF PIPE (W) = 13' (OUTSIDE OF #1 TO OUTSIDE OF #7)
DIMENSIONS OF C-33 SYSTEM SAND BED = 34'L x 15'W = 510 SF
(5' OVERDIG WITH TITLE 5 SAND BEYOND C-33 SYSTEM SAND BED IS REQ'D)

RESERVE AREA 32'x25' = 800 SF > 786 SF = OK

DESIGN ELEVATIONS:

TOP OF FOUNDATION	1082.00
INV. @ FDN	1077.85
INV. IN AT PROP. SEPTIC TANK	1077.25
INV. OUT AT PROP. SEPTIC TANK	1077.00
INV. IN AT PROP. D-BOX	1071.17
INV. OUT AT PROP. D-BOX	1071.00

LINE #	EXIST. GRADE	HIGH G.W. ELEV.	BOTTOM OF C33 SYSTEM SAND/ B.O.	BOTTOM OF PIPE	INV. AT BEG./END	TOP OF PIPE	MINIMUM FINISHED GRADE	PROPOSED FINISHED GRADE
1	1068.00	1065.67	1069.67	1070.17	1070.75	1071.17	1072.00	1072.00
2	1067.50	1065.17	1069.27	1069.77	1070.35	1070.77	1071.60	1071.60
3	1067.00	1064.67	1068.87	1069.37	1069.95	1070.37	1071.20	1071.20
4	1066.50	1064.17	1068.47	1068.97	1069.55	1069.97	1070.80	1070.80
5	1066.25	1063.92	1068.22	1068.72	1069.30	1069.72	1070.40	1070.40
6	1066.00	1063.67	1067.97	1068.47	1069.05	1069.47	1070.00	1070.00
7	1065.50	1063.17	1067.47	1067.97	1068.55	1068.97	1069.40	1069.40

NOTE: THE BREAKOUT ELEV. IS EQUAL TO THE BOTTOM OF THE C-33 SAND

DH-1A

SURFACE	Ap 0-4	Bw 4-28	C 28-91
SL 10YR/4/2			
SL 10YR/6/6			
SL 2.5Y/6/4			

MOTTLES @ 28 10YR/6/6
NO WEEP
NO WATER
NO REFUSAL

DH-1B

SURFACE	Ap 0-6	Bw 6-32	C 32-92
SL 10YR/2/2			
SL 10YR/6/6			
SL 2.5Y/6/4			

MOTTLES @ 32 10YR/2/2
NO WEEP
NO WATER
NO REFUSAL

DH-2A

SURFACE	Ap 0-4	Bw 4-31	C 31-87
SL 10YR/4/2			
SL 10YR/6/6			
SL 2.5Y/7/4			

MOTTLES @ 31 10YR/6/8
NO WEEP
NO WATER
NO REFUSAL

DH-2B

SURFACE	Ap 0-4	Bw 4-60	C 60-96
SL 10YR/4/2			
SL 10YR/6/6			
SL 2.5Y/6/3			

MOTTLES @ 39 2.5Y/7/4
NO WEEP
NO WATER
NO REFUSAL

SOIL TESTING: PT-1

DATE PERFORMED: 7/17/19
BY: KEVIN QUINN, PE
WITNESS: WAYNE CURRAN, RS
PERC RATE: 11 MPI

SOIL TESTING: PT-2

DATE PERFORMED: 7/17/19
BY: KEVIN QUINN, PE
WITNESS: WAYNE CURRAN, RS
PERC RATE: 8 MPI

SOIL TESTING: PT-2

DATE PERFORMED: 7/17/19
BY: KEVIN QUINN, PE
WITNESS: WAYNE CURRAN, RS
PERC RATE: 8 MPI

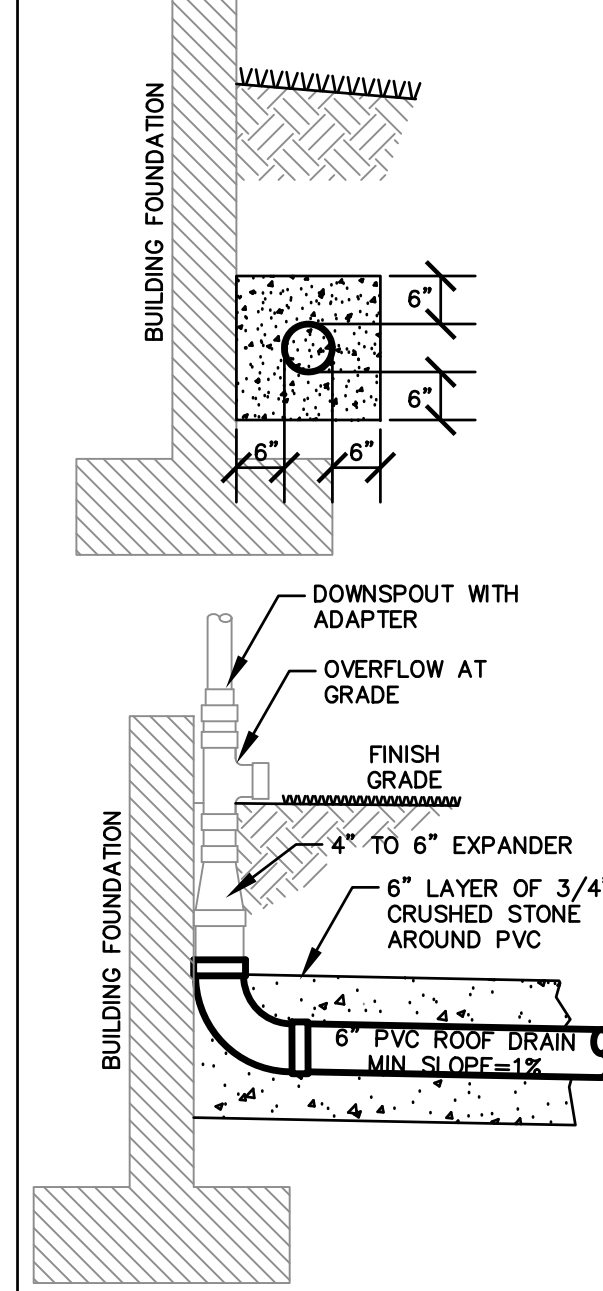
PROJECT NOTES:

1. PROPERTY INFORMATION: CABELL MADDOX
APPLICANT: CAMP STREET, PAXTON
ASSESSORS REF. BOOK 4945 PAGE 84
DEED REF. MAP 29, PARCEL 1 + 1A
2. THERE ARE RESOURCE AREAS WITHIN 100' OF THE PROPOSED SAS.
3. THE PROPERTY DOES NOT FALL WITHIN A FLOOD HAZARD ZONE AS INDICATED ON NFIP FIRM COMMUNITY PANEL MAPS.
4. NO PORTION OF THE PROPOSED WORK FALLS WITHIN A MAPPED ESTIMATED HABITAT OF RARE WILDLIFE OR WITHIN A PRIORITY HABITAT OF RARE SPECIES.
5. A PORTION OF THE PROPOSED SITE IS LOCATED WITHIN A ZONE A OF A SURFACE WATER PROTECTION AREA. THE LEACHING FIELD AND ITS COMPONENTS ARE OUTSIDE THE SURFACE WATER PROTECTION ZONE. A CONSERVATION APPROVAL IS REQUIRED FOR THE WORK SHOWN ON THIS PLAN.
6. CONSERVATION APPROVAL IS REQUIRED FOR THE WORK SHOWN ON THIS PLAN.

RECORD DATA:

INV. AT FND	_____
INV. IN AT SEPTIC TANK	_____
INV. OUT AT SEPTIC TANK	_____
INV. IN AT DBOX	_____
INV. OUT AT DBOX	_____

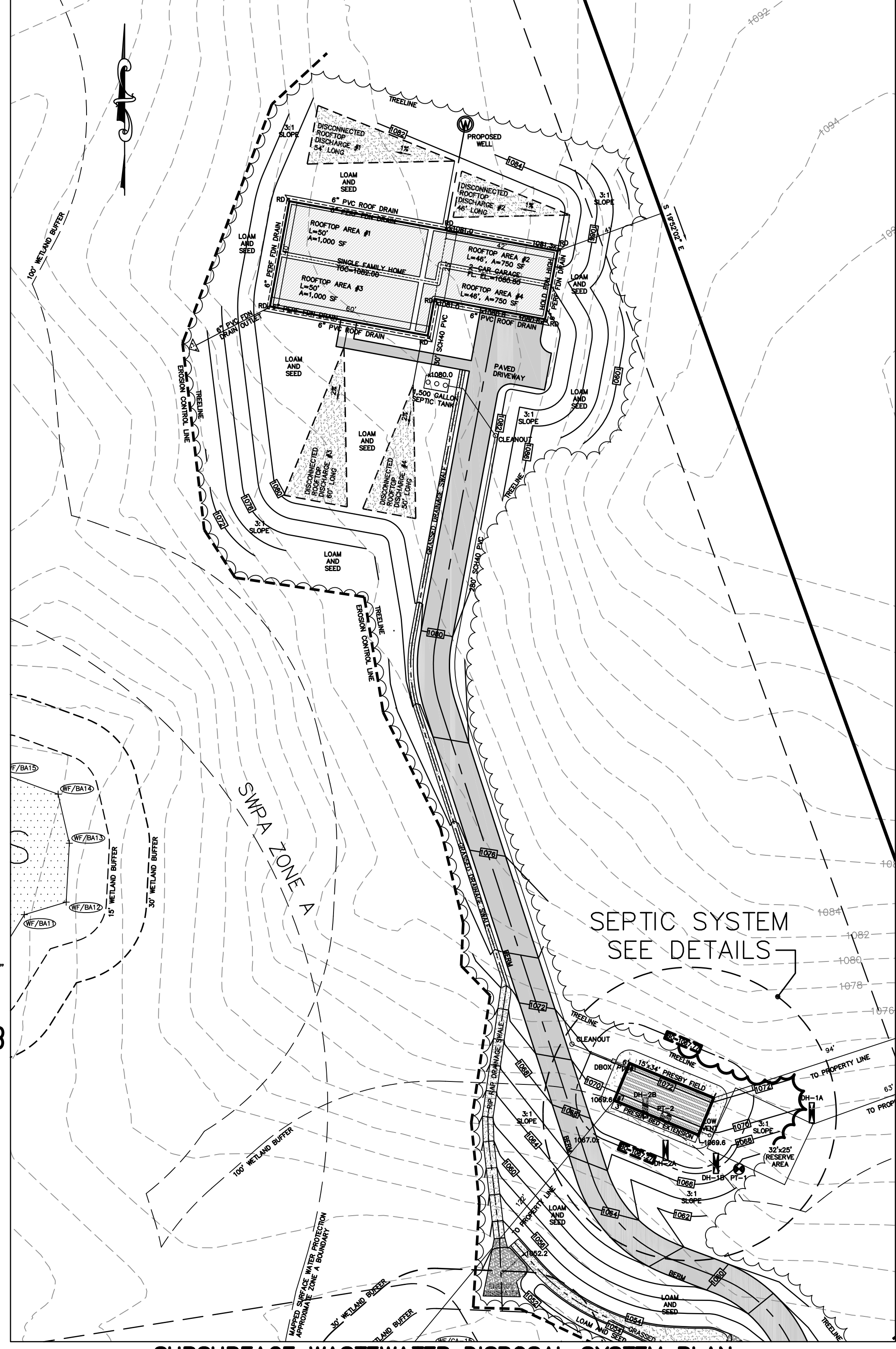
LINE #	BOTTOM OF PIPE	INV. AT BEG./END
1		
2		
3		
4		
5		
6		
7		



ROOF DRAIN DETAILS
SCALE: NOT TO SCALE

LEGEND

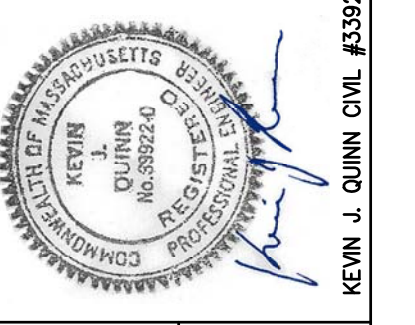
- XXX- EXIST. CONTOUR
- XXX- EXIST. SPOT GRADE
- XXX- PROP. FINISH GRADE
- XXX- PROP. SPOT GRADE



SUBSURFACE WASTEWATER DISPOSAL SYSTEM PLAN
SCALE: 1"=30'



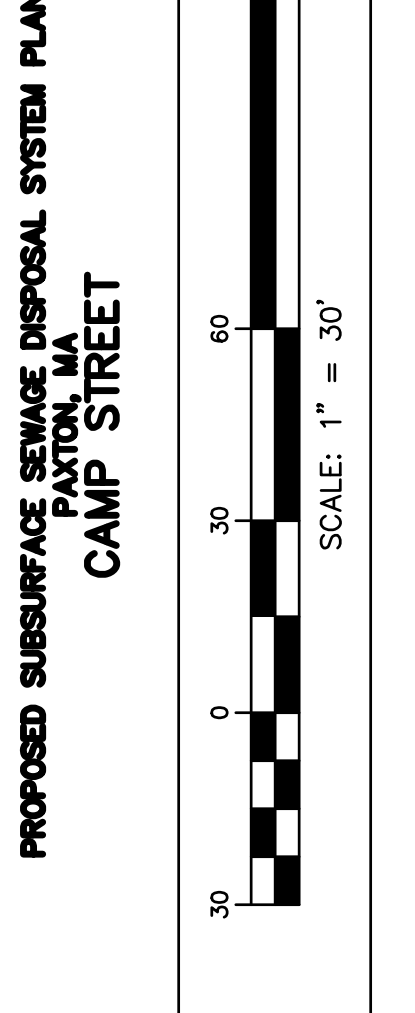
NO.	REVISION	DATE	BOH COMMENTS	TOWN COMMENTS
1		4/29/22		
2		4/6/22		



OWNER: FARRELL + FARRELL
3 CAMP STREET
PAXTON, MA 01612
(508) 769-3788

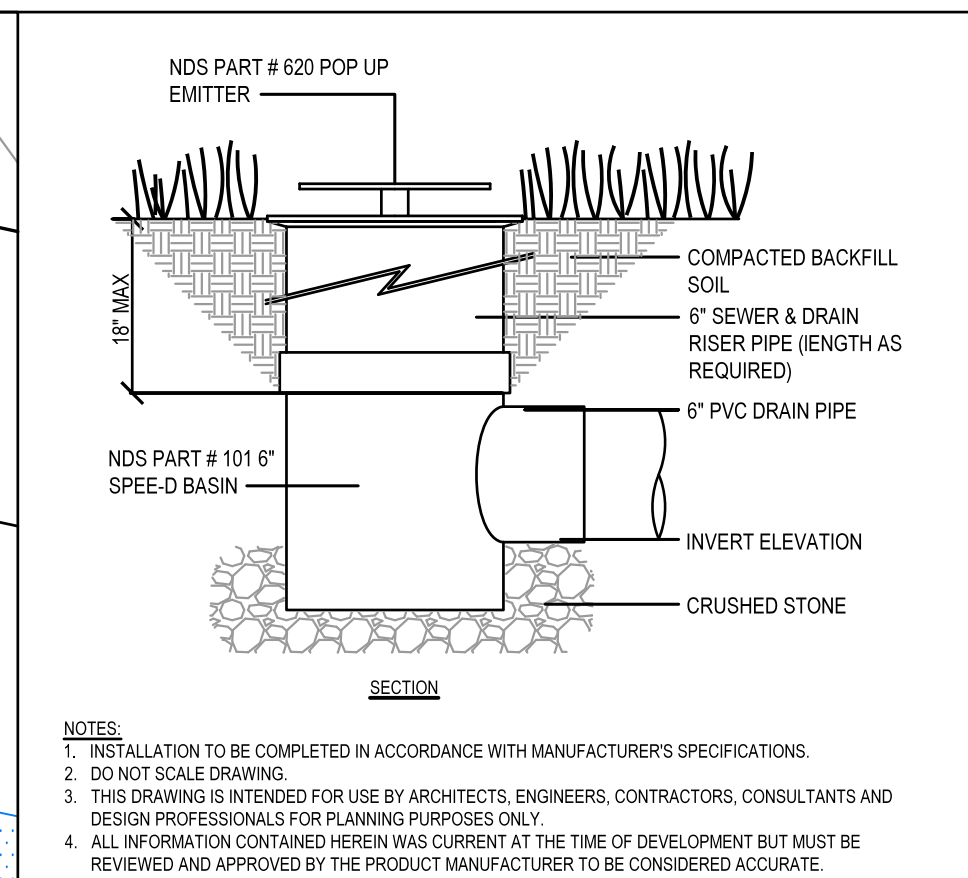
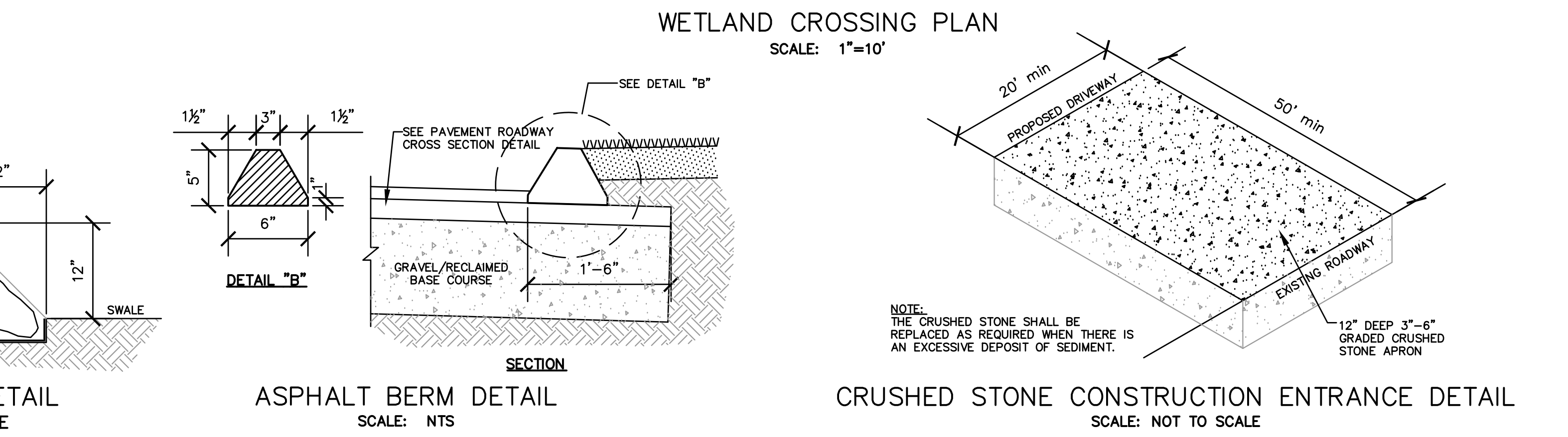
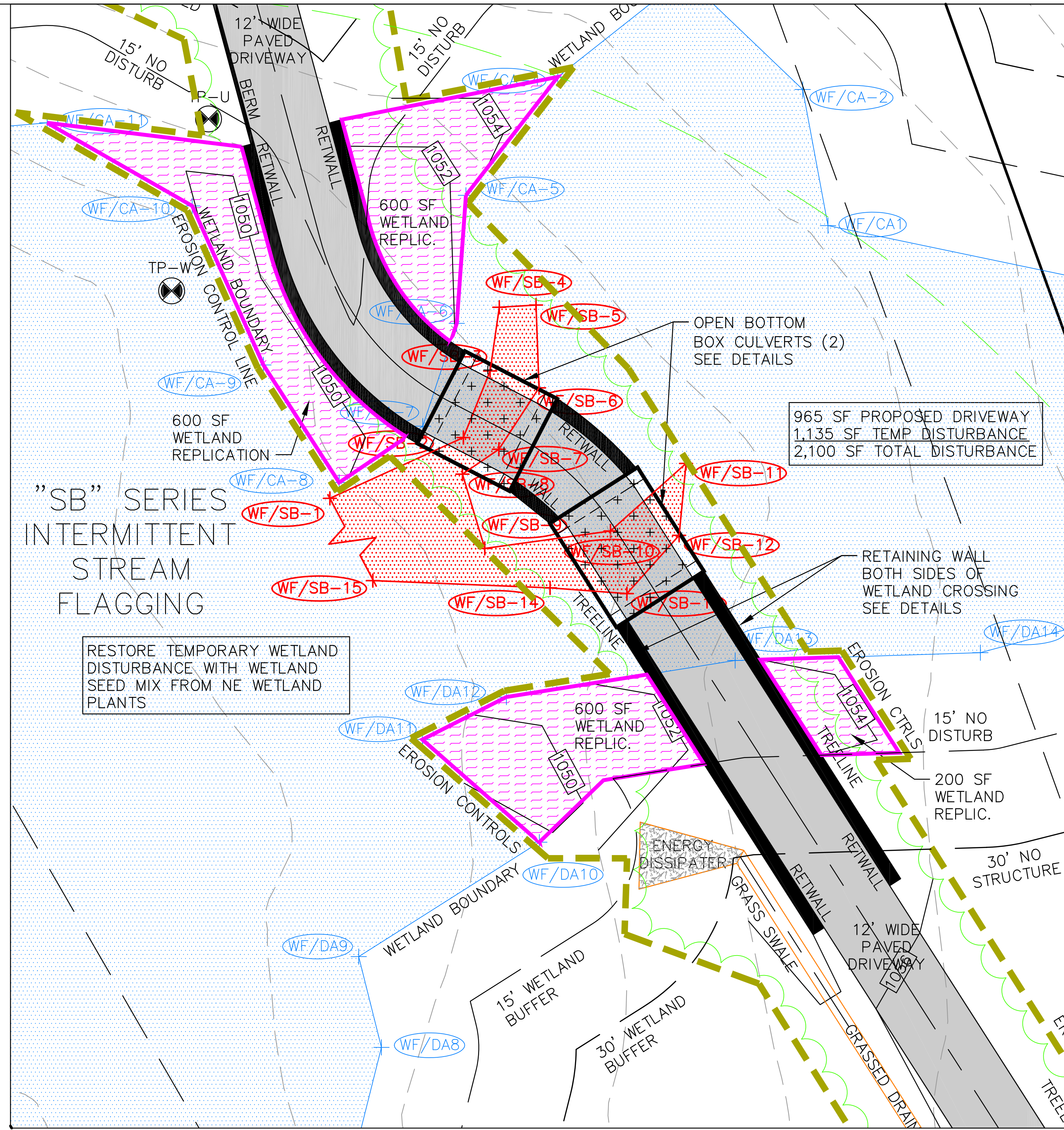
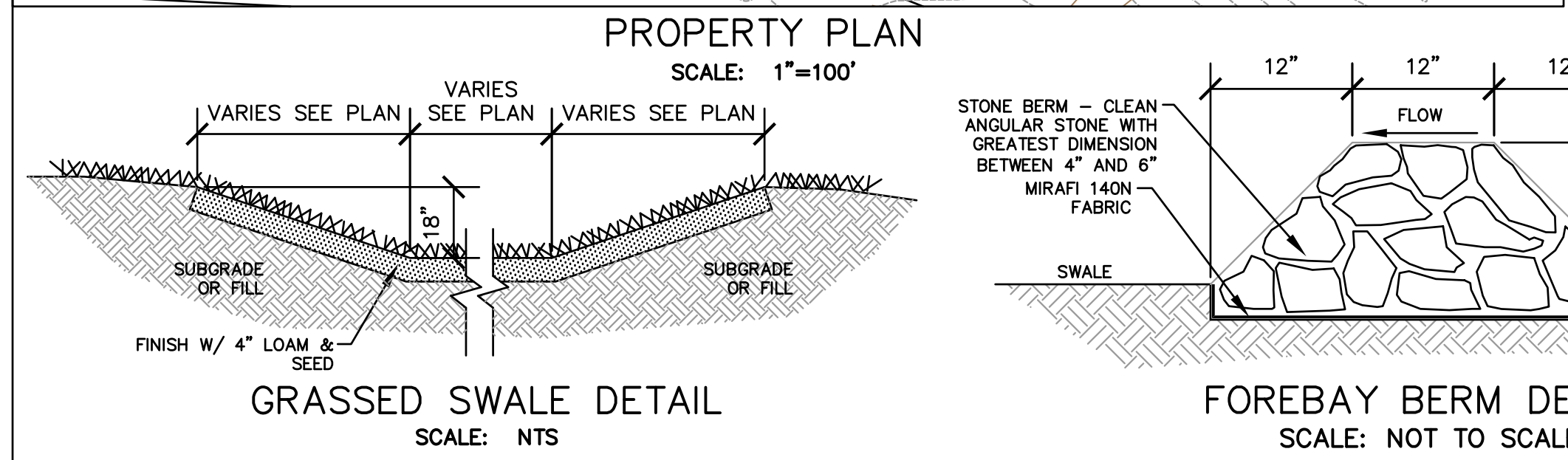
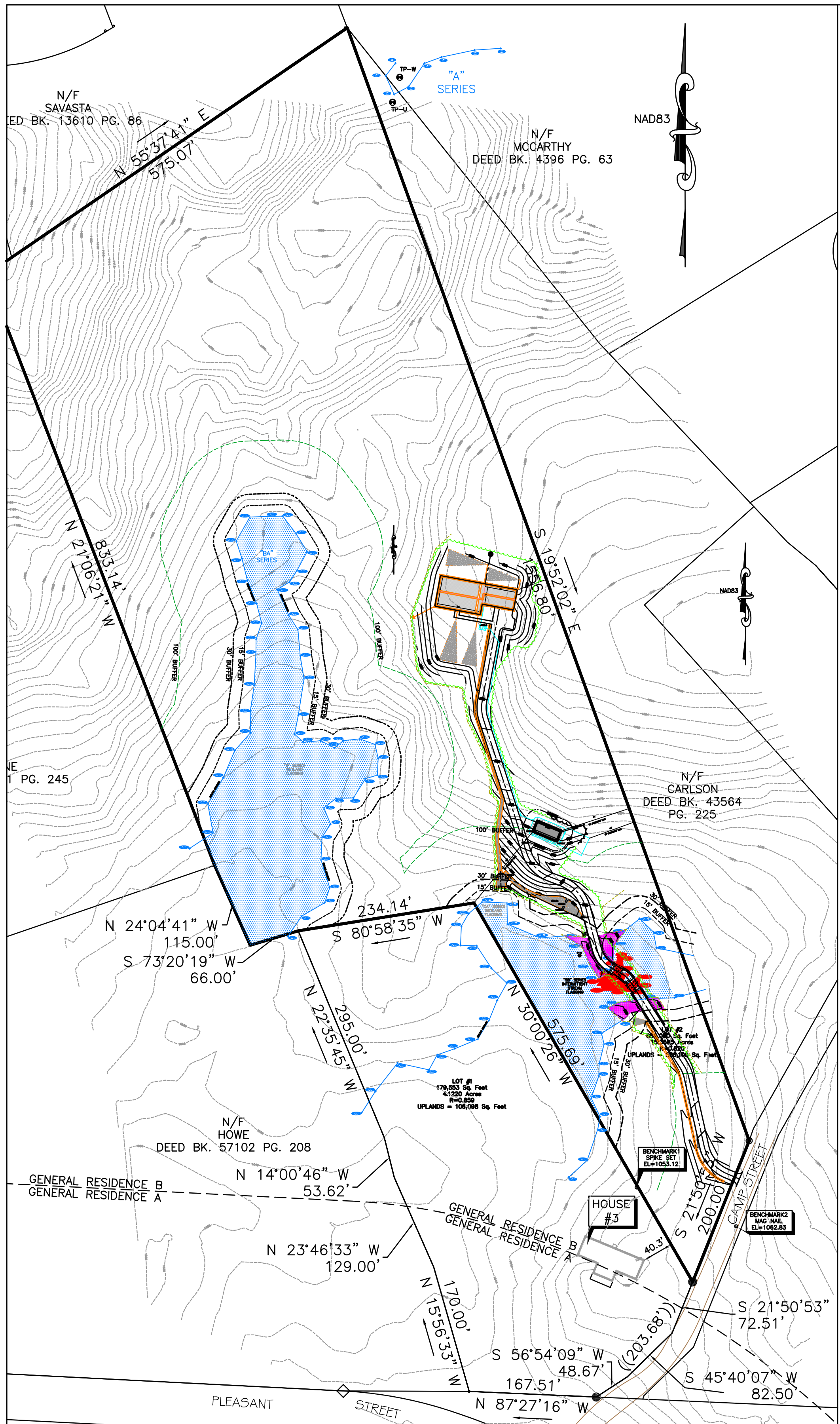
APPLICANT: FARRELL + FARRELL
3 CAMP STREET
PAXTON, MA 01612

PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEM PLAN
CAMP STREET



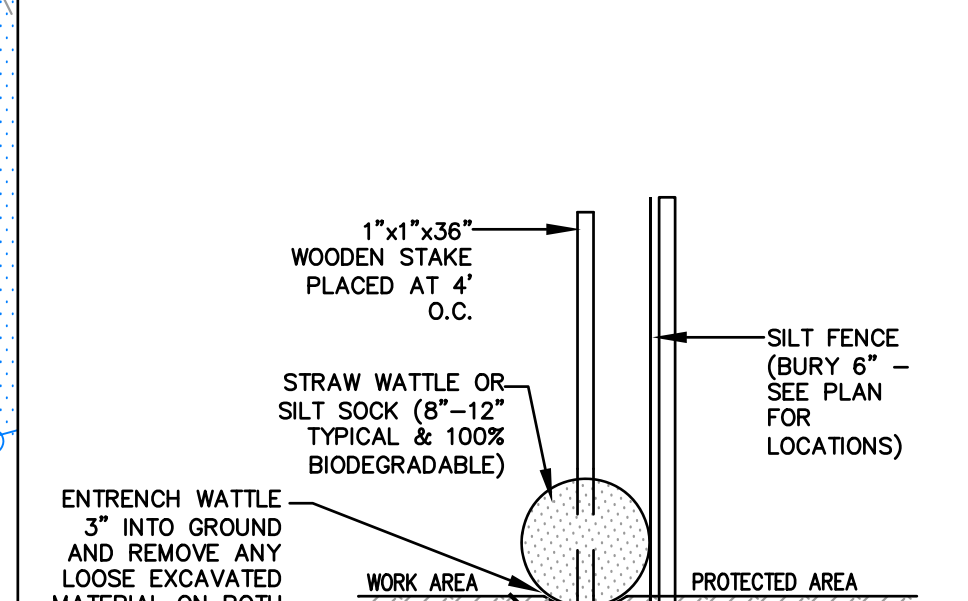
QUINN ENGINEERING, INC.
P.O. Box 107
Paxton, Massachusetts 01612
(508) 753-7999 Fax: (508) 795-0939

DATE: DECEMBER 23, 2021
PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEM PLAN
CAMP STREET
SHEET 3 OF 5

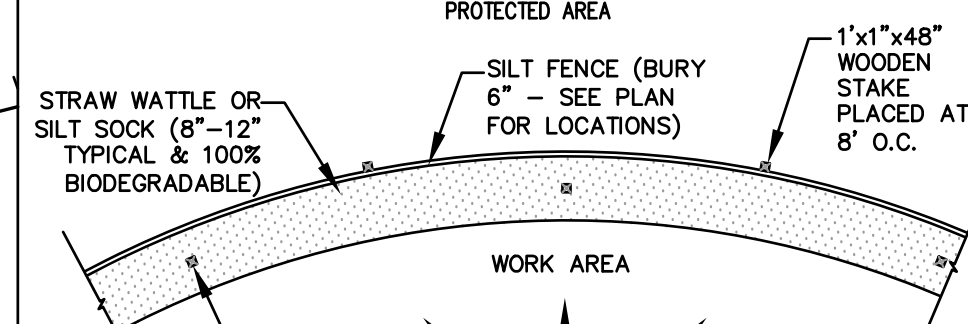


POP UP EMITTER WITH BASIN
SCALE: NTS

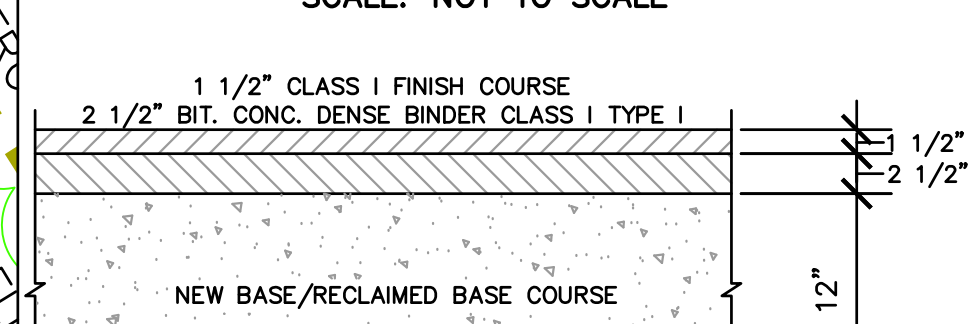
NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.



SECTION
SCALE: 1/2"=1'-0"



PLAN VIEW
SCALE: 1/2"=1'-0"



TYPICAL PAVEMENT CROSS SECTION
SCALE: 1"=1'-0"

NOTES:
1. IMPORTED GRAVEL USED AS BASE MATERIAL SHALL CONFORM TO MA DOT STANDARD SPECIFICATION M1.03.0 TYPE D.
2. GRAVEL BASE SHALL CONSIST OF INERT MATERIAL THAT IS HARD, DURABLE STONE AND COARSE SAND, FREE FROM LOAM AND CLAY, SURFACE COATINGS, AND DELETERIOUS MATERIALS.
3. GRADATION REQUIREMENTS FOR IMPORTED GRAVEL SHALL BE DETERMINED BY AASHTO-T11 AND T27 AND SHALL CONFORM TO THE FOLLOWING:
SIEVE DESIGNATION: % PASSING:
1/2 IN. 50-85
NO. 4 40-75
NO. 50 8-28
NO. 200 0-10
4. THE MAXIMUM SIZE OF STONE IN GRAVEL SHALL BE 3" LARGEST DIMENSION FOR M1.03.0 TYPE D.
5. ALL PAVEMENT SHALL HAVE A CONTINUOUS LONGITUDINAL SLOPE OR SHALL BE CROSS PITCHED TO ADEQUATELY SHED SURFACE WATER.

NO.	REVISION	DATE
2	BOH COMMENTS	4/29/22
1	TOWN COMMENTS	4/6/22

OWNER: FARRELL + FARRELL
3 CAMP STREET
PAXTON, MA 01612
(508) 769-3788

APPLICANT: FARRELL + FARRELL
3 CAMP STREET
PAXTON, MA 01612

PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEM PLAN
PAXTON, MA
CAMP STREET

SCALE: AS NOTED

QUINN ENGINEERING, INC.
P.O. Box 107
Paxton, Massachusetts 01612
(508) 753-7999 Fax: (508) 795-0939

DATE: DECEMBER 23, 2021

CONSERVATION AND STORMWATER PLAN
CAMP STREET
SHEET 4 OF 5

