PROPOSED SITE PLAN FOR GARAGE / BUILDING ZAK NICHITA - CONSTRUCTION DOCUMENTS (REV 1)

221 MILLERS FALLS RD (PARCEL #28-0-23) **MONTAGUE MA 01351**

OCTOBER 31, 2023

SHEET INDEX

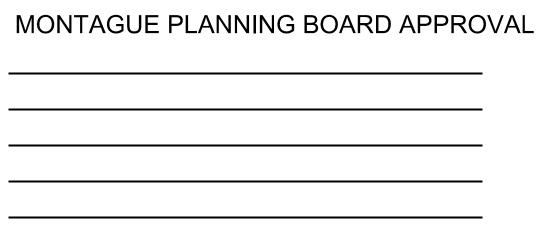
COVERPAGE C 0.0 **EXISTING CONDITIONS PLAN** C 1.0 LAYOUT PLAN C 2.0

GRADING & DRAINAGE PLAN

C 4.0-4.2 DETAIL SHEET

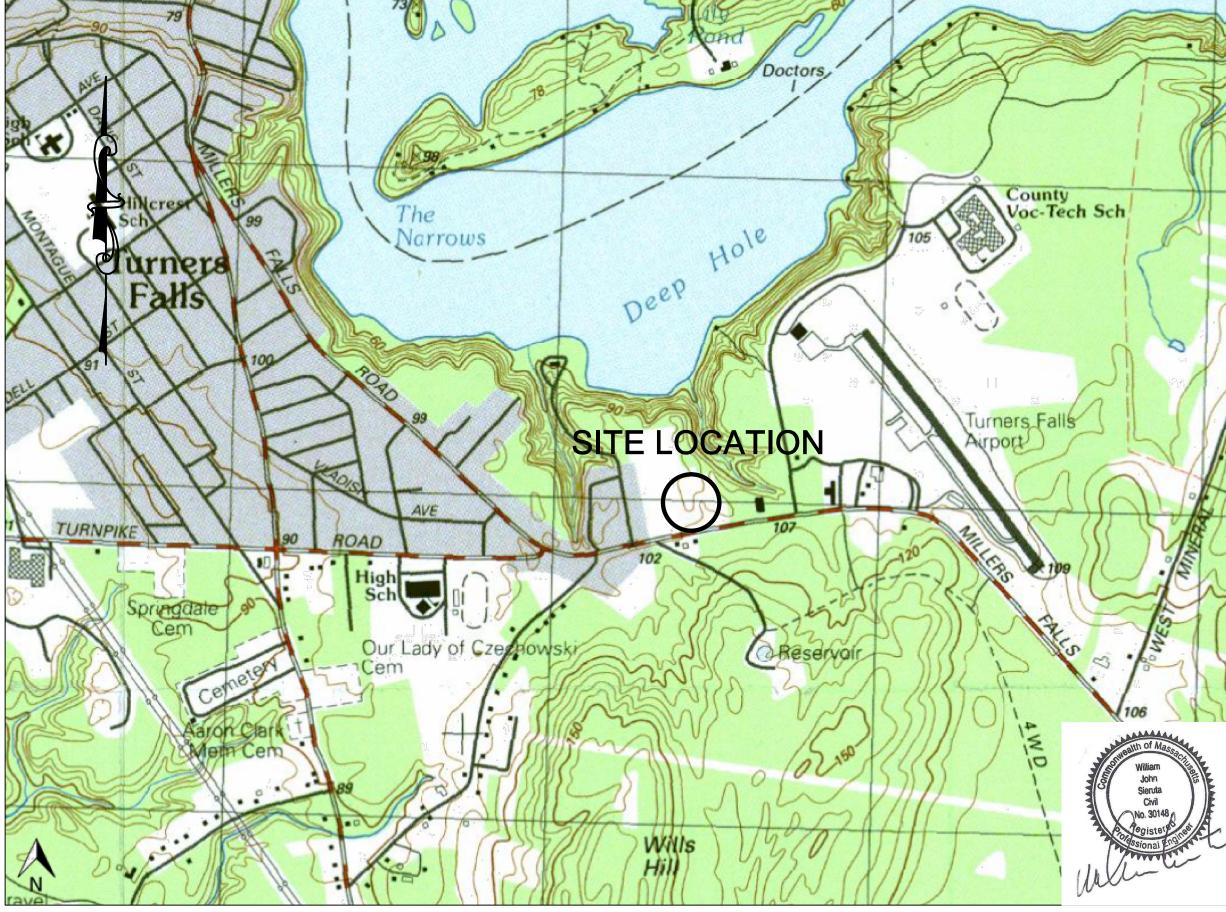
APPLICANT AND OWNER

ZAK NICHITA 221 MILLERS FALLS RD **MONTAGUE MA 01351**



EXISTING CONDITIONS NOTES

- 1. EXISTING CONDITIONS INFORMATION, PROPERTY LINES, UTILITY, EDGE OF PAVEMENT AND LOCATIONS OF EXISTING ABOVE GRADE STRUCTURES WERE TAKEN FROM PLANS PROVIDED BY FRANKLIN COUNTY REGISTRY OF DEEDS, WITH ADDITIONAL INFORMATION BASED ON SURVEY SIERUTA ENGINEERING AND INFORMATION PROVIDED BY OWNER. CONTRACTOR SHALL VARIFY PROPERTY LINES BEFORE THE COMMENCEMENT OF WORK
- 2. LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, FOUNDATIONS AND OTHER UNDERGROUND OBJECTS ARE NOT WARRANTED TO BE CORRECT AND THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT SHOULD THEY BE OTHER THAN SHOWN.
- 3. CONTRACTOR SHALL VISIT AND EXAMINE THE SITE TO FULLY UNDERSTAND ALL THE CONDITIONS PERTAINING TO THE WORK, UNDERSTAND DIFFICULTIES TO BE ENCOUNTERED, UNDERSTAND THE SCOPE OF THE DEMOLITION WORK FOR ALL SYSTEMS WHETHER SHOWN OR DESCRIBED AT NO ADDITIONAL COST TO THE OWNER. THE EXACT LOCATION OF EXISTING PIPE, BUILDINGS, SITE FEATURES/ANCILLARY ITEMS, SERVICES, ETC..., ARE TO BE FIELD VERIFIED.
- 4. CONTRACTOR TO VERIFY ALL DIMENSIONS, CLEARANCES, ELEVATIONS, SIZES OF EXISTING PIPES AND FOUNDATION AND SLAB DIMENSIONS.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY LOCAL AND STATE APPROVALS AND/OR PERMITS PRIOR TO THE BEGINNING OF ANY SITE IMPROVEMENTS OR CONSTRUCTION.
- 6. CONTRACTORS SHALL USE EXISTING ROADWAYS FOR ACCESS TO SITES. TEMP TRACKING PADS SHALL BE PLACED ADJACENT TO EXISTING ROADWAY TO PREVENT MATERIAL FROM BEING TRANSPORTED ONTO ADJACENT STREETS.
- 7. THE DEVELOPER/CONTRACTOR SHALL CONFORM TO ALL REQUIREMENTS OF THE LOCAL AND STATE AGENCIES. THE LIMITS OF WORK ARE INDICATED



SCALE: 1" = 1000'

GRADING AND DRAINAGE NOTES

- 1. GRADING INFORMATION IS SHOWN FOR REFERENCE PURPOSES ONLY. PLEASE REFER TO GRADING PLAN FOR SITE GRADING INFORMATION, INCLUDING SPOT GRADES, DETAILED GRADING AROUND THE BUILDING, AND FINE GRADING OF SIDEWALKS, HANDICAP ACCESSIBLE RAMPS AND OTHER AREAS.
- 2. CONTRACTOR SHALL PROTECT ALL UNDERGROUND DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS WILL BE RESTORED TO ORIGINAL CONDITION
- 3. ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN STATE OR CITY SPECIFICATIONS/REGULATIONS
- 4. EXISTING OR OTHER IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED.
- 5. ALL SITE CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS (DPW) STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, AND THE CITY OF MONTAGUE STANDARD SPECIFICATIONS. ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS
- 6. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT, CURBS AND EARTHWORK SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS. PITCH EVENLY BETWEEN SPOT GRADES. GRADE ALL AREAS TO DRAIN.
- 7. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.CONTRACTOR TO CLEAN OUT SUMPS OF ALL EXISTING CATCH BASINS.

8 (LL DR/INA)E PIPT SHALL BE DOUBLE-WALLED (IGH DENSTY) POLYET HYLENE (SMOOTH INTERIOR) LL STRUCTUR S RINS, COVERS, CRATES, JETO SHALL BE NO ASSISTED TOO PROPOSED TINISH GRADE

EROSION CONTROL AND SEDIMENTATION NOTES

- CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES DURING ENTIRE CONSTRUCTION PERIOD. ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS SHALL BE SWEPT AT THE END OF EACH WORKING DAY.
- 2. ALL STOCKPILE AREAS SHALL BE STABILIZED TO PREVENT EROSION. SITE ELEMENTS TO REMAIN MUST BE PROTECTED FOR DURATION OF PROJECT.
- 3. ALL TOPSOIL ENCOUNTERED WITHIN WORK AREA SHALL BE STRIPPED TO ITS FULL DEPTH AND STOCKPILED FOR REUSE.
- 4. INLET PROTECTION SHALL BE PROVIDED AROUND ALL DRAIN INLETS PRIOR TO CONSTRUCTION ACTIVITIES AND AROUND ALL DRAIN INLETS PRIOR TO PERMANENT PAVEMENT TO CONTROL SILTATION.

LAYOUT AND MATERIALS NOTES

- 1. ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
- 2. CONTRACTOR SHALL REPORT SIGNIFICANT CONFLICTS TO THE OWNER AND THE ENGINEER FOR RESOLUTION.
- 3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN SITE PLAN DIMENSIONS AND BUILDING PLANS BEFORE PROCEEDING WITH ANY PORTION OF SITE WORK WHICH MAY BE AFFECTED SO THAT PROPER ADJUSTMENTS TO THE SITE LAYOUT CAN BE MADE IF
- 4. ALL SITE CONSTRUCTION SHALL BE IN CONFORMANCE ALL LOCAL CODES FROM THE TOWN OF AMHERST.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LEGAL REMOVAL AND DISPOSAL OF ALL DEBRIS FROM THE SITE.

6. THE PROPOSED BUILDING LOCATION IS FOR REFERENCE PURPOSES ONLY AND THE FINAL LOCATION OF THE DRAINAGE STRUCTURES AND PARKING AREAS SHALL BE VERIFIED BY THE CONTRACTOR TO MEET THE

<u>LEGEND</u>	EXISTING	<u>PROPOSED</u>
MAJOR CONTOUR	125	125
MINOR CONTOUR	123	123
SPOT ELEVATIONS	x 130.50	x 130.50
SANITARY SEWER	S	——— S ——
WATER MAIN	W	w
STORM DRAIN	D	D
GAS	G	G
UNDERGROUND ELECTRIC	Е	——— Е ——
UNDERGROUND TELEPHONE	Т	—— т —
OVERHEAD WIRES	util	OW
AREA TO BE DEMOLISHED OR EQUIPMENT TO BE REMOVED		
SEWER MANHOLE	S	©
DRAINAGE MANHOLE	\bigcirc	W
ELECTRICAL MANHOLE	(D)	₽
TELEPHONE MANHOLE	\bigcirc	Φ
CLEANOUT	0	C
CATCHBASIN	\blacksquare	
WATER QUALITY STRUCTURE	©	0
HYDRANT	a 🖒 a	Ŷ
GATE VALVE	\bowtie	×
SERVICE VALVE	\bigcirc	igotimes
CURB STOP		S
BUTTERFLY VALVE	[x*]	И
BALL VALVE	M	M
REDUCER	∢	٩
CAP OR PLUG]	J
GAS GATE VALVE	\bowtie	×
UTILITY POLE	0	Ð
LIGHT POST	\$	\$
FITTING/COUPLING (MISC)	#	++
EDGE OF PAVEMENT		
EDGE OF GRAVEL BOX		
STONEWALL		~~~~~~
TREE LINE		
CENTERLINE OF DRIVEWAY		
INDIVIDUAL SHRUB/TREE	Φ	\Box
BOLLARD		0
TRANSFORMER	T	T
SIGN	-0-	- D-
BENCH MARK	ТВМ	ТВМ
HAYBALES		©
EROSION CONTROL BARRIER		
LIMIT OF WORK		

LIMIT OF WORK			
ABBREVIATIONS	≎ .		
ADDICE VIA HOIV.	<u>J.</u>		
AC	ASBESTOS CEMENT PIPE	MH	MANHOLE
ASTM	AMERICAN SOCIETY FOR	MHD	MASSACHUSETTS
50	TESTING AND MATERIALS		HIGHWAY DEPARTMENT
BC BCC	BITUMINOUS CONCRETE	MIN	MINIMUM
BCC	BITUMINOUS CONCRETE CURB	MWRA	MASSACHUSETTS WATER RESOURCES
BIT	BITUMINOUS		AUTHORITY
BLDG	BUILDING	OD	OUTSIDE DIAMETER
BM	BENCH MARK	OHW	OVERHEAD WIRE
CB	CATCH BASIN	PE	PLAIN END, POLYETHYLEI
CC	CONCRETE CURB	PIV	POST INDICATOR VALVE
CI	CAST IRON	PL	PROPERTY LINE, PLATE
CL	CENTERLINE, CEMENT LINES		POLYVINYL CHLORIDE
CMP	CORRUGATED METAL PIPE		PAVEMENT
CONC DI	CONCRETE DUCTUE IBON	RCP	REINFORCED
DIA	DROP INLET, DUCTILE IRON DIAMETER	ROW	CONCRETE PIPE RIGHT-OF-WAY
DMH	DRAIN MANHOLE	S	SEWER
DWG	DRAWING	SECT	SECTION
E	EAST, ELECTRIC	SHT	SHEET
ELEV	ELEVATION	SPEC	SPECIFICATIONS
EOP	EDGE OF PAVEMENT	SS	SEWER SERVICE,
EXIST	EXISTING		STAINLESS STEEL
G	GAS	STA	STATION
GC	GRANITE CURB	STL	STEEL
HC HORIZ	HOUSE CONNECTION HORIZONTAL	SW T	SIDEWALK HYDROSTATIC THRUST,
HYD	FIRE HYDRANT	1	TELEPHONE/TELCOM
INV	INVERT	ТВМ	TEMPORARY BENCH MARI
ID	INSIDE DIAMETER	THK	THICK (NESS)
IP	IRON PIPE	TYP	TYPICAL
MAX	MAXIMUM	UE	UNDERGROUND ELECTRIC
MDPW	MASSACHUSETTS	UP	UTILITY POLE
	DEPARTMENT OF	VERT	VERTICAL
MECH	PUBLIC WORKS MECHANICAL	VIF	VERIFY IN FIELD
MECH	MECHANICAL	W	WATER

NO		REVISIONS		
0	10/24/23	REVISION O FOR PLANNING BOARD		
1	10/31/23	REVISION O FOR PLANNING BOARD REVISION O FOR PLANNING BOARD		
DATE: OCTOBER 31, 2023				
DRAWN: JMS				
SCALE :				

PROPOSED SITE PLAN FOR GARAGE / BUILDING

COVER SHEET AND NOTES

221 MILLERS FALLS RD

MASSACHUSETTS

SIERUTA ENGINEERING

REGISTERED CIVIL AND ENVIRONMENTAL ENGINEERS 18 DEPOT ROAD LEVERETT MA 01054

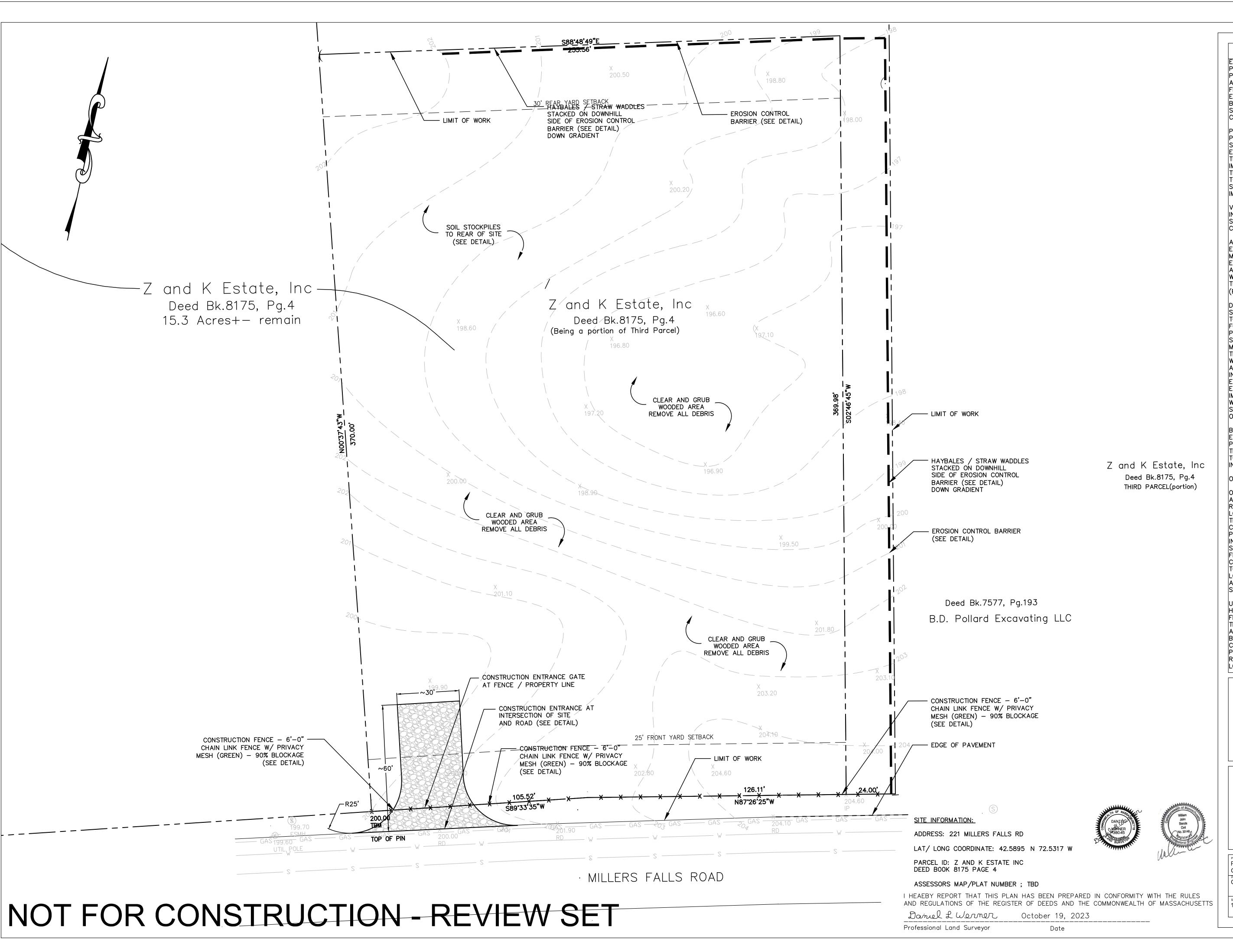
413-548-6658 413-549-1817 413-627-7244 PREPARED BY: JONATHAN SIERUTA E.I.T. APPROVED BY: WILLIAM J. SIERUTA P.E. SIERUTAENGINEERING@YAHOO.COM

PROPOSED SITE PLAN GARAGE / BUILDING OCTOBER 31, 2023

MONTAGUE

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FOR EXISTING BUILDING (BLAKE EQUIPMENT)



EXISTING CONDITIONS INFORMATION, PROPERTY LINES, UTILITY, EDGE OF PAVEMENT AND LOCATIONS OF EXISTING ABOVE GRADE STRUCTURES WERE TAKEN FROM SURVEY CONDUCTED BY SIERUTA ENGINEERING AND PLAN PROVIDED BY BLAKE EQUIPMENT. ALL PROPERTY LINES SHOULD BE VERIFIED IN THE FIELD BY CONTRACTOR

PRIOR TO ANY CONSTRUCTION PRE-CONSTRUCTION MEETING CONFERENCE SHALL BE HELD AMONG THE DESIGN ENGINEER, THE OWNER, THE CONTRACTOR, THE TOWN ENGINEER, AND ANY OTHER IMPORTANT PROFESSIONALS INVOLVED IN THE DESIGN CONSTRUCTION AND PERMITTING TO REVIEW THE EROSIONS AND SEDIMENTATION CONTROL MEASURES TO BE IMPLEMENTED FOR THIS PROJECT.

VERIFY THE LOCATION OF THE WATER LINE IN FIELD. LOCATION OF DRAINAGE STRUCTURE 2 MAY BE RELOCATED IF CONFLICT WITH EXISTING WATER SERVICE

A CERTIFIED SOIL SCIENTIST OR A LICENSED ENGINEER REGISTERED IN THE STATE OF MASSACHUSETTS CONDUCTED A SOIL EVALUATION AND PERCOLATION TEST IN THE AREAS INDICATED ON THE PLAN. THESE WERE DONE IN THE ANTICIPATED AREAS OF THE PROPOSED STRUCTURES FOR THE SITE (PRELIMINARY)

DISTURBED AREAS AND AREAS USED FOR STORAGE MATERIALS THAT AREA EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES AREA EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF SITE SEDIMENT TRACKING.

BASED UPON THE RESULTS OF THE SOIL EVALUTATION IT IS ANTICIPATED THAT THE PERCOLATION RATE FOR THE SITE IS LESS THAN 2 MINUTES PER INCH. THIS EQUATES TO A RAWLS INFILTRATION RATE OF 8.27 INCHES PER HOUR FOR SAND

ORIGINAL SURVEY NOTES:

ORIGINAL SURVEY WAS DONE BY UNKNOWN REGISTRY OF DEEDS. THIS INCLUDES THE LOCATIONS AND AZIMOUTHS RELATED TO THE PROPERTY LINES. CONTRACTOR SHOULD PROPERTY LINES OF THE SITE BEFORE THE INSTALLATION OF THE GRAVEL PAVED AREA. SIERUTA ENGINEERING ALSO CONDUCTED A FIELD SURVEY TO VERIFY GRADES AND CONFLICTS, INSPECT EXISTING UTILITIES AND TO INSPECT FIELDS CONDITIONS AND LOCATIONS OF SITE FEATURES. THIS HAS ALSO BEEN INCORPORATED INTO THE SURVEY AND EXISTING CONDITIONS PLAN.

UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED UPON SURFACE FEATURES AND AVAILABLE RECORD DATA. THE LOCATIONS OF THESE UTILITIES ARE APPROXIMATE. ACTUAL LOCATIONS SHOULD BE VERIFIED WITH APPROPRIATE UTILITY COMPANY OR MUNICIPAL DEPARTMENT PRIOR TO CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THESE UTILITIES

> PROPOSED SITE PLAN FOR GARAGE / BUILDING

EXISTING CONDITIONS PLAN

221 MILLERS FALLS RD

MASSACHUSETTS

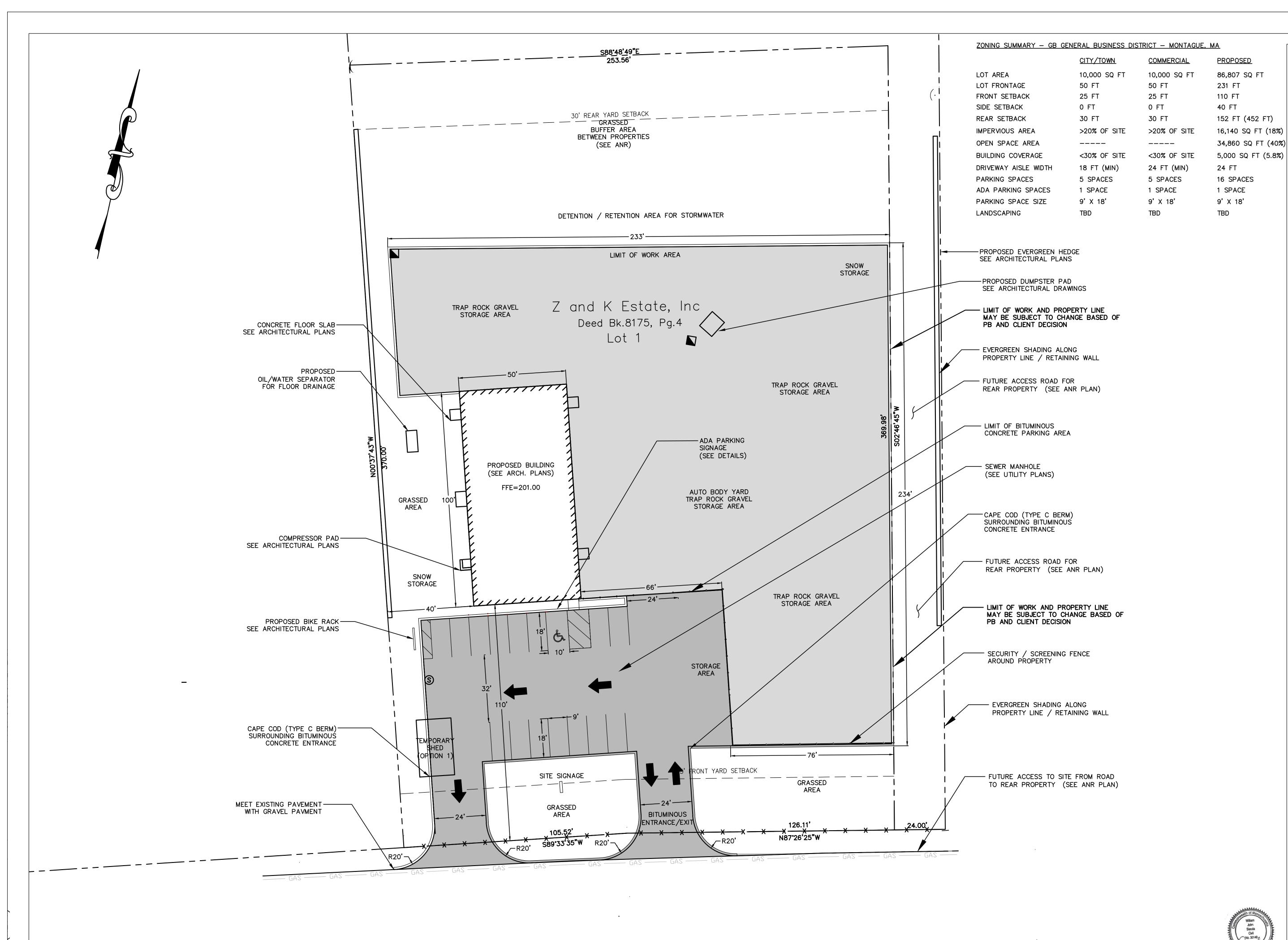
SIERUTA ENGINEERING

REGISTERED CIVIL AND ENVIRONMENTAL ENGINEERS 18 DEPOT ROAD

LEVERETT MA 01054 413-548-6658 413-549-1817 413-627-7244 PREPARED BY: JONATHAN SIERUTA E.I.T. APPROVED BY: WILLIAM J. SIERUTA P.E. SIERUTAENGINEERING@YAHOO.COM

PROPOSED SITE PLAN

GARAGE / BUILDING OCTOBER 31, 2023



DEVELOPER/CONTRACTOR RESPONSIBLE FOR OBTAINING ALL NECESSARY LOCAL AND STATE APPROVALS AND/OR PERMITS PRIOR TO THE BEGINNING OF ANY SITE IMPROVEMENTS. THE DEVELOPER /CONTRACTOR SHALL CONFORM TO ALL REQUIREMENTS OF THE LOCAL AND STATE AGENCIES.

THE LOCATION OF ALL UTILITIES SHOWN HERON IS BASED ON THE BEST AVAILABLE DATA. THE LOCATIONS ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO BEGINNING ANY CONSTRUCTION THE DEVELOPER/CONTRACTOR WILL BE RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 AND HAVE ALL UTILITIES MARKED ON THE GROUND.

ALL LINES AND POINTS ARE PERPENDICULAR OR PARALLEL TO LINES FROM WHICH THEY ARE MEASURE UNLESS OTHERWISE NOTED. ALL DIMENSIONING ARE TAKEN TO BACK OF BERM FOR DRIVE ISLES & PARKING AREAS.

ALL DIMENSIONING WITHIN THE DRIVEWAYS AND BERMED ENTRANCE ILLUSTRATE THE WIDTH OF THE TRAVELED WAY FROM THE TOE OF THE BERM TO THE TOE OF THE BERM. NO DIMENSIONING ON THE SITE PLANS ARE INTENDED TO ILLUSTRATE THE BACK OF THE BERM DIMENSIONING. THE CONTRACTOR SHALL VERIFY ALL LAYOUT, DIMENSIONS, GRADES AND REPORT ANY AND ALL DISCREPANCIES TO THE ENGINEER. ALL DISCREPANCIES SHALL BE VERIFIED IN WRITING PRIOR TO CONSTRUCTION.

ALL AREAS DISTURBED BY CONTRACTOR SHALL BE LOAMED AND SEEDED UNLESS OTHERWISE NOTE. ALL NEW SIDEWALKS AND SURFACES TO MEET EXISTING SURFACES WITH SMOOTH AND CONTINUOUS LINE AND GRADE ALL STORAGE FACILITY AND OFFICE AREA BUILDINGS, FOOTINGS AND FOUNDATION DESIGNS ARE BY OTHERS. LANDSCAPING IS SHOWN FOR REFERENCE PURPOSES ONLY AND LANDSCAPING SHOULD BE DONE BY A LANDSCAPE ARCHITECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATION.

ALL SAW CUT PAVEMENT SHALL BE JOINTED AND SEALED. ALL AREAS WHERE THE EXISTING ROADWAY PAVEMENT WILL BE DISTURBED; SUCH AS WHERE GRANITE BERMING IS TO BE INSTALLED OR RESET, AT THE NEW DRIVEWAY ENTRANCES, AND AT ANY STRUCTURE MODIFICATIONS. THE PAVEMENT IS TO BE SAWCUT TO ITS FULL DEPTH BACK A MINIMUM OF 1-FOOT BEYOND THE EDGE OF DISTURBANCE, PARALLEL OR PERPENDICULAR

THE SITE ENTRANCE HAS BEEN CONFIGURED FOR A WB-50 VEHICLE CONFIGURATION AND CAN SUCCESSFULLY BE NAVIGATED BY LAYING OUT THE PROPER TURNING RADIUS ON THE SITE. THE REVISED ENTRANCE IS CONFIGURED FOR TRUCKS AND OTHER LARGE VEHICLES

TOTAL BUILDING AREA - 5,000 SQUARE FT TOTAL TRG AREA - 34,496 SQUARE FT

> PROPOSED SITE PLAN FOR GARAGE / BUILDING

> > LAYOUT PLAN

221 MILLERS FALLS RD

MONTAGUE MASSACHUSETTS

SIERUTA ENGINEERING

REGISTERED CIVIL AND ENVIRONMENTAL ENGINEERS 18 DEPOT ROAD LEVERETT MA 01054

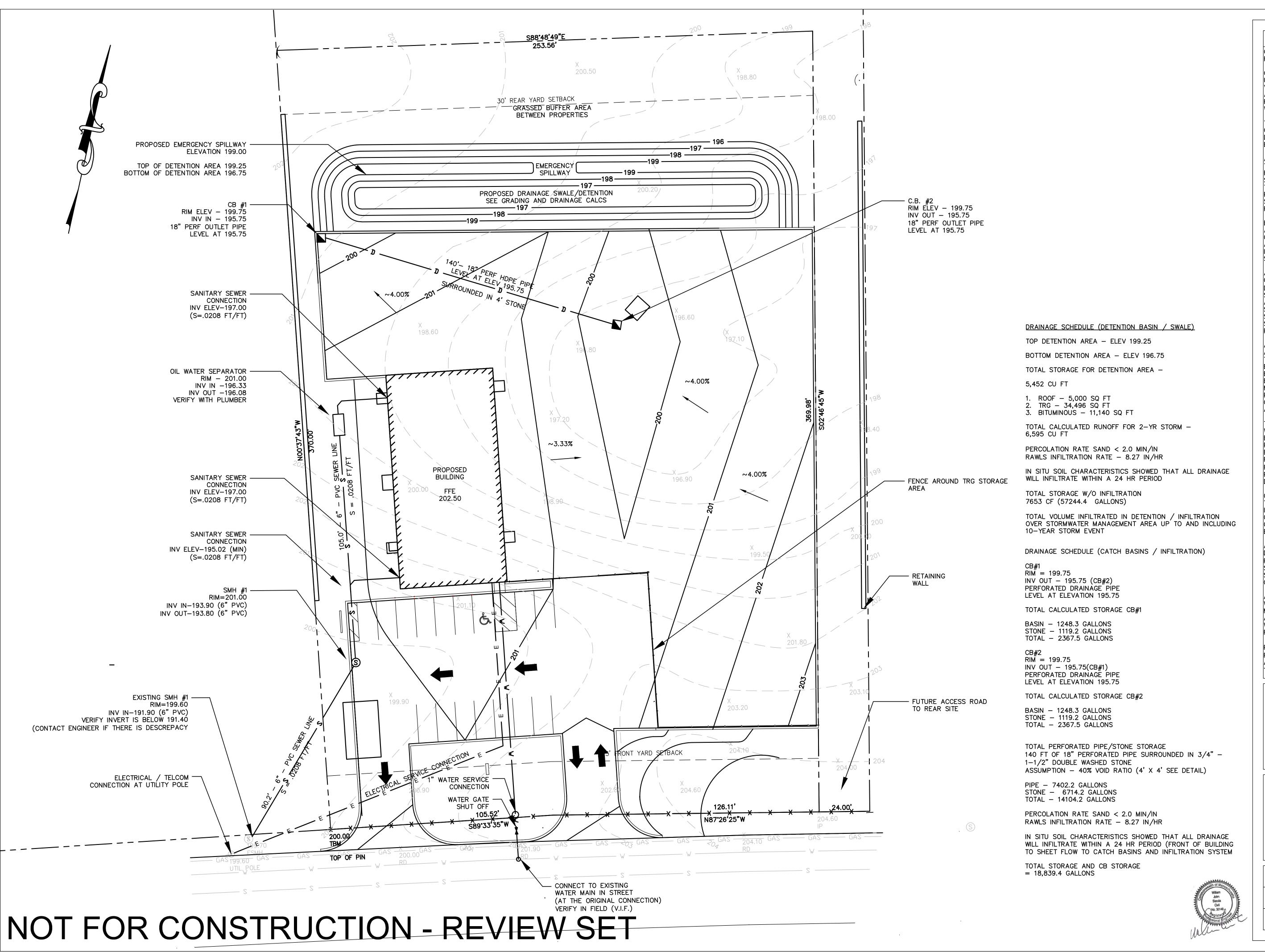
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PROPOSED SITE PLAN

GARAGE / BUILDING OCTOBER 31, 2023



NOT FOR CONSTRUCTION - REVIEW SET



GRADING INFORMATION IS SHOWN FOR REFERENCE PURPOSES ONLY.

CONTRACTOR SHALL PROTECT ALL UNDERGROUND UTILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS WILL BE RESTORED TO ORIGINAL CONDITION

THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.

ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN STATE OR CITY SPECIFICATIONS & REGULATIONS

EXISTING OR OTHER IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED.

ALL SITE CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS (DPW) STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, AND THE CITY OF MONTAGUE STANDARD SPECIFICATIONS. ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT.

AT ALL LOCATIONS WHERE PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING BERM OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT, BERM AND EARTHWORK SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS. PITCH EVENLY BETWEEN SPOT GRADES. GRADE ALL AREAS TO DRAIN. ALL FRAMES AND GRATES ADJUSTED TO FINISHED GRADE.

THE CONTRACTOR SHALL SCHEDULE HIS WORK TO ALLOW THE FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PUDDLING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE THE BERM MAY RETAIN RUNOFF PRIOR TO APPLICATION OF THE FINISH SUBGRADE AND/OR SURFACE PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE AS REQUIRED.

CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER. CONTRACTOR TO CLEAN OUT SUMPS OF ALL EXISTING CATCH BASINS.

ALL DRAINAGE PIPE SHALL BE DOUBLE-WALLED HIGH DENSITY PERFORATED POLYETHYLENE (SMOOTH INTERIOR). ALL STRUCTURES RIMS, COVERS, GRATES, ETC. SHALL BE ADJUSTED TOO PROPOSED FINISH

ALL DRAINAGE LINES TO BE IN COMPLIANCE WITH THE SPECIFICATION OF THE CITY OF MONTAGUE STANDARDS. ALL DRAINAGE AND UTILITIES MUST BE IN COMPLIANCE WITH ALL STATE, FEDERAL AND LOCAL REGULATIONS AND LAWS.

PROJECT BENCHMARK(S) ARE AT THE FIRST FLOOR ELEVATION AT DOORWAY (DOOR SILL) AT ELEVATION 200.00. ALL PROPERTY LINES TO BE VERIFIED IN THE FIELD (VIF)

PROPOSED SITE PLAN FOR GARAGE / BUILDING

DRAINAGE PLAN

221 MILLERS FALLS RD

MONTAGUE MASSACHUSETTS

SIERUTA ENGINEERING

REGISTERED CIVIL AND ENVIRONMENTAL ENGINEERS

18 DEPOT ROAD

LEVERETT MA 01054

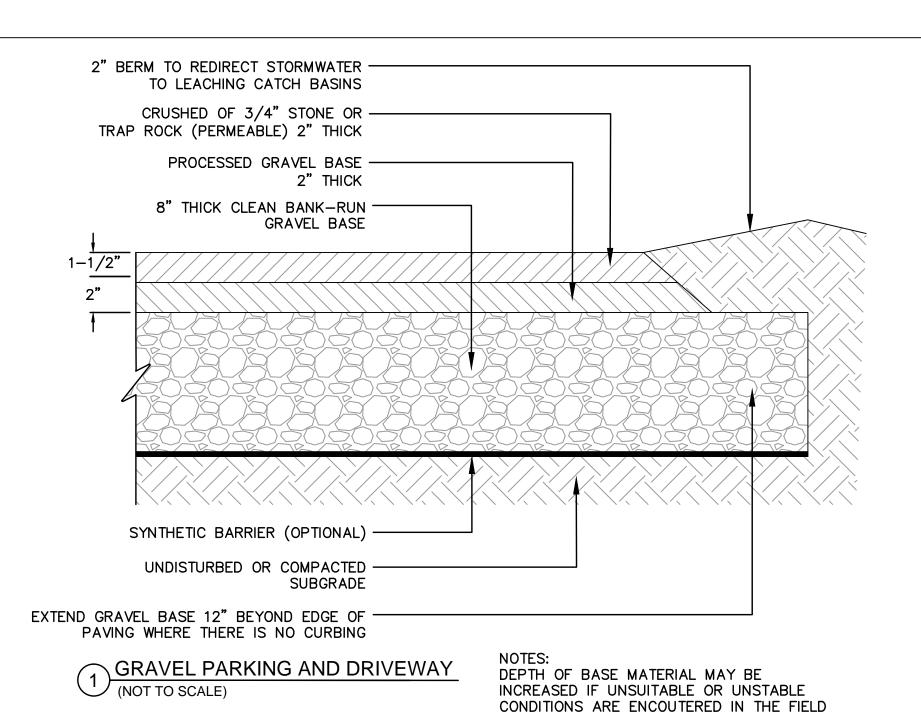
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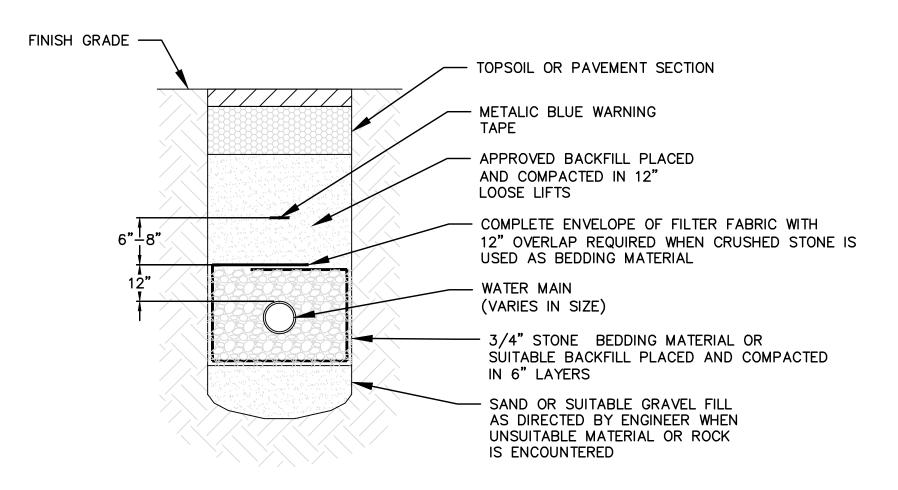
PROPOSED SITE PLAN GARAGE / BUILDING

GARAGE / BUILDING
DATE:
OCTOBER 31, 2023

C3.0







DETAIL SHOW FOR ILLUSTRATIVE PURPOSES ONLY. INSTALLATION OF WATER

MAINS SHALL BE COORDINATED WITH THE TOWN OF MONTAGUE WATER AND

SEWER. ALL PIPE SHALL BE CLASS 52 PUSH JOINT DICL.

ノ(NOT TO SCALE)

WATER LINE TRENCH DETAIL

TOPSOIL OR PAVEMENT SECTION FINISH GRADE - APPROVED BACKFILL PLACED AND COMPACTED IN 12" LOOSE LIFTS SEWER PIPE (VARIES IN SIZE) - SAND BEDDING MATERIAL OR SUITABLE BACKFILL

CONTRACTOR SHALL CONFORM TO MANUFACTURERS RECOMMENDATIONS DURING THE INSTALLATION OF UTILITY PIPE. DETAIL SHOW FOR ILLUSTRATIVE PURPOSES ONLY. INSTALLATION OF WATER MAINS SHALL BE COORDINATED WITH THE TOWN OF MONTAGUE WATER AND SEWER.

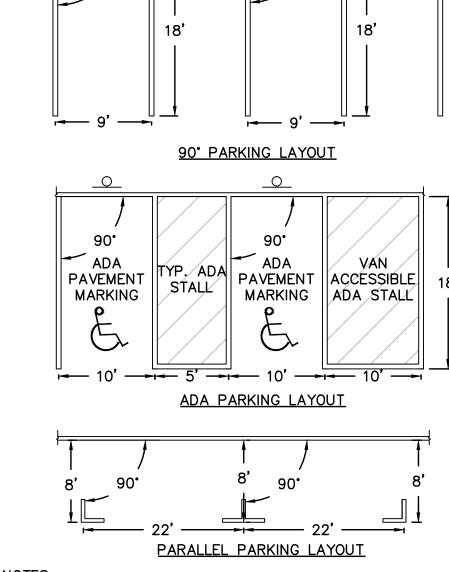
SEWER LINE TRENCH DETAIL (NOT TO SCALE)

90°

BITUMINOUS CONCRETE BERM TYPE C (CAPE COD BERM) BITUMINOUS CONCRETE WEARING COURSE -MDPW STD. CLASS 1 TYPE 1-1 BITUMINOUS CONCRETE BINDER COURSE -MDPW STD. CLASS 1 TYPE 1-1 COMPACTED GRAVEL BASE -95% MINIMUM DENSITY COMPACT IN 6" LIFTS 1-1/2" 2-1/2" SYNTHETIC FILTER FABRIC -UNDISTURBED OR COMPACTED SUBGRADE EXTEND GRAVEL BASE 12" BEYOND EDGE OF PAVING WHERE THERE IS NO CURBING DEPTH OF BASE MATERIAL MAY BE INCREASED IF UNSUITABLE OR UNSTABLE BITUMINOUS CONCRETE PAVING & CURB

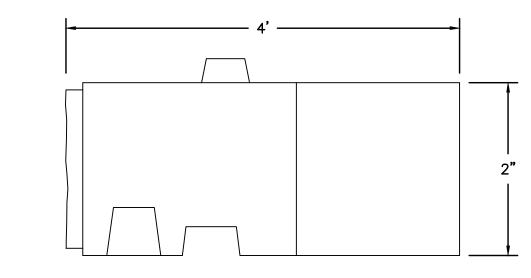
(NOT TO SCALE)

DA ACCESSIBL PARKING ALUMINUM SIGN, BLUE BACKGROUND WITH WHITE SPECIAL PLATE REQUIRED UNAUTHORIZED LETTERING VEHICLES
MAY BE REMOVED
AT THE
OWNER'S EXPENSE —— 6"x12" ALUMINUM ACCESSIBLE WHERE **APPLICABLE** PAVEMENT MARKING ALL ADA ACCESSIBLE PARKING AND SIGNAGE SHALL BE IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE ARCHITECTURAL ACCESS BOARD. SIGNS SHALL BE LOCATED BY THE CONTRACTOR IN A LOCATIONS WHERE THEY CANNOT BE OBSCURED BY VEHICLE PARKED IN THE SPACE CONTRACTOR SHALL PROVIDE ALL STRIPING ON SITE. STRIPING SHOWN ON CIVIL PLANS IS FOR REFERENCE PURPOSES ONLY ADA ACCESSIBLE PARKING SIGNAGE



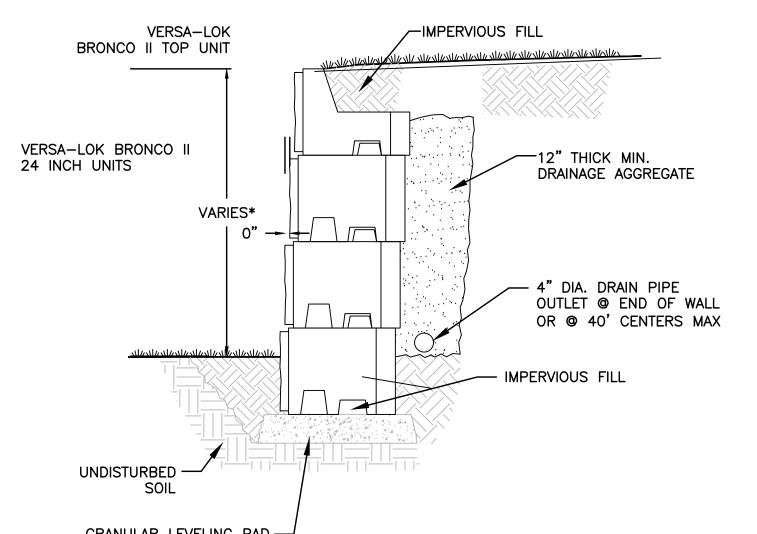
CONTRACTOR SHALL PROVIDE ALL STRIPING ON SITE. STRIPING SHOWN ON CIVIL PLANS IS FOR REFERENCE PURPOSES ONLY

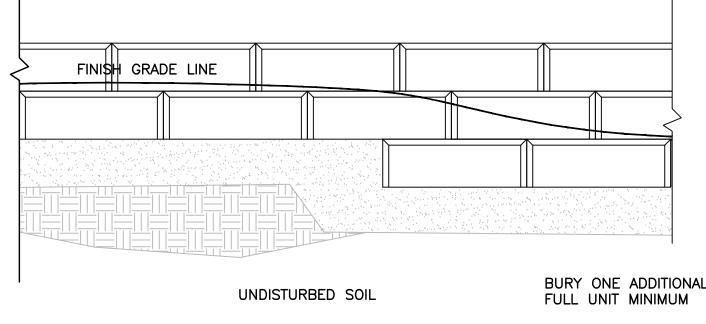
6 VARIOUS PARKING STALL LAYOUTS (NOT TO SCALE)



BRONCO II 41 INCH UNIT UNIT VOLUME = 15.4 ft^3 UNIT WEIGHT = 2240 lbs

(OR EQUIVALENT)





(NOT TO SCALE)

-LIMIT CHANGES IN BASE ELEVATION TO 8" PER STEP TO AVOID DIFFERENTIAL SETTLEMENT -STEP OFTEN ENOUGH TO MAINTAIN

MINIMUM REQUIRED EMBEDMENT

GRANULAR LVL PAD 8" THICK

MINIMUM

TYPICAL UNREINFORCED RETAINING WALL 2' X 2' X 4' UNITS SCALE: NONE

NOT FOR CONSTRUCTION - REVISED SET

CONDITIONS ARE ENCOUTERED IN THE FIELD



GENERAL NOTES

EROSION AND SEDIMENTATION CONTROL BARRIER SHOWN HERE-ON IS PER THE RECOMMENDATION OF THE ENGINEER BASED OFF THE AVAILABLE RESOURCES GIVEN TO THE ENGINEER. THE FINAL EROSION AND SEDIMENTATION CONTROL BARRIER SHOULD BE LOCATED AND DETERMINED BY THE CONTRACTOR AND/OR OWNER

THE CONTRACTOR WILL USE AN EROSION CONTROL BARRIER AT THE LIMIT OF WORK! AND ONLY IF CONSTRUCTION ACTIVITIES ARE UP GRADIENT (UP-HILL) OF THE PROPOSED PROTECTED AREA (UPHILL OF AREA TO BE PROTECTED). EITHER STRAW WADDLES OR AN EROSIÓN CONTROL BARRIER CAN BE USED AND SHOULD BE INSTALLED PER THE CIVIL PLAN SET AT THE LIMIT OF WORK AND UPHILL OF ANY PROTECTED AREAS AND DOWNHILL OF ANY CONSTRUCTION AREAS PER THE CIVIL PLAN SET

CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES DURING ENTIRE CONSTRUCTION PERIOD.

ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS SHALL BE SWEPT AT THE END OF EACH WORKING DAY, ALL STOCKPILE AREAS SHALL BE STABILIZED TO PREVENT EROSION.

ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFF-SITE.

PROVIDE CRIBBING AS NECESSARY TO PROTECT EXISTING UTILITY LINES DURING CONSTRUCTION. PROTECT ALL EXISTING UTILITY LINES NEAR SITE DURING CONST.

SITE ELEMENTS TO REMAIN MUST B PROTECTED FOR DURATION OF PROJECT.

ALL TOPSOIL ENCOUNTERED WITHIN WORK AREA SHALL BE STRIPPED TO ITS FULL DEPTH AND STOCKPILED FOR REUSE.

EXCESS TOPSOIL REMAINING AT THE END OF CONSTRUCTION SHALL BE DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

ADDITIONAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.

ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADS.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS DURING

DURING CONSTRUCTION TO INSURE THAT CHANNELS, DITCHES AND PIPES ARE CLEAR OF DEBRIS AND THAT THE EROSION CONTROL BARRIERS ARE INTACT. CLEAN AND MAINTAIN EROSION CONTROL BARRIER AS REQUIRED TO ENSURE THAT DUST.

SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS AS NECESSARY OR AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE.

INLET PROTECTION SHALL BE PROVIDED AROUND ALL DRAIN INLETS PRIOR TO CONSTRUCTION ACTIVITIES AND AROUND ALL DRAIN INLETS PRIOR TO PERMANENT PAVEMENT TO CONTROL SILTATION.

AN EROSION CONTROL BARRIER SHALL BE INSTALLED AT THE COMMENCEMENT OF CONSTRUCTION OPERATIONS

> PROPOSED SITE PLAN FOR GARAGE / BUILDING

CONSTRUCTION DETAILS

221 MILLERS FALLS RD

MONTAGUE MASSACHUSETTS

SIERUTA ENGINEERING

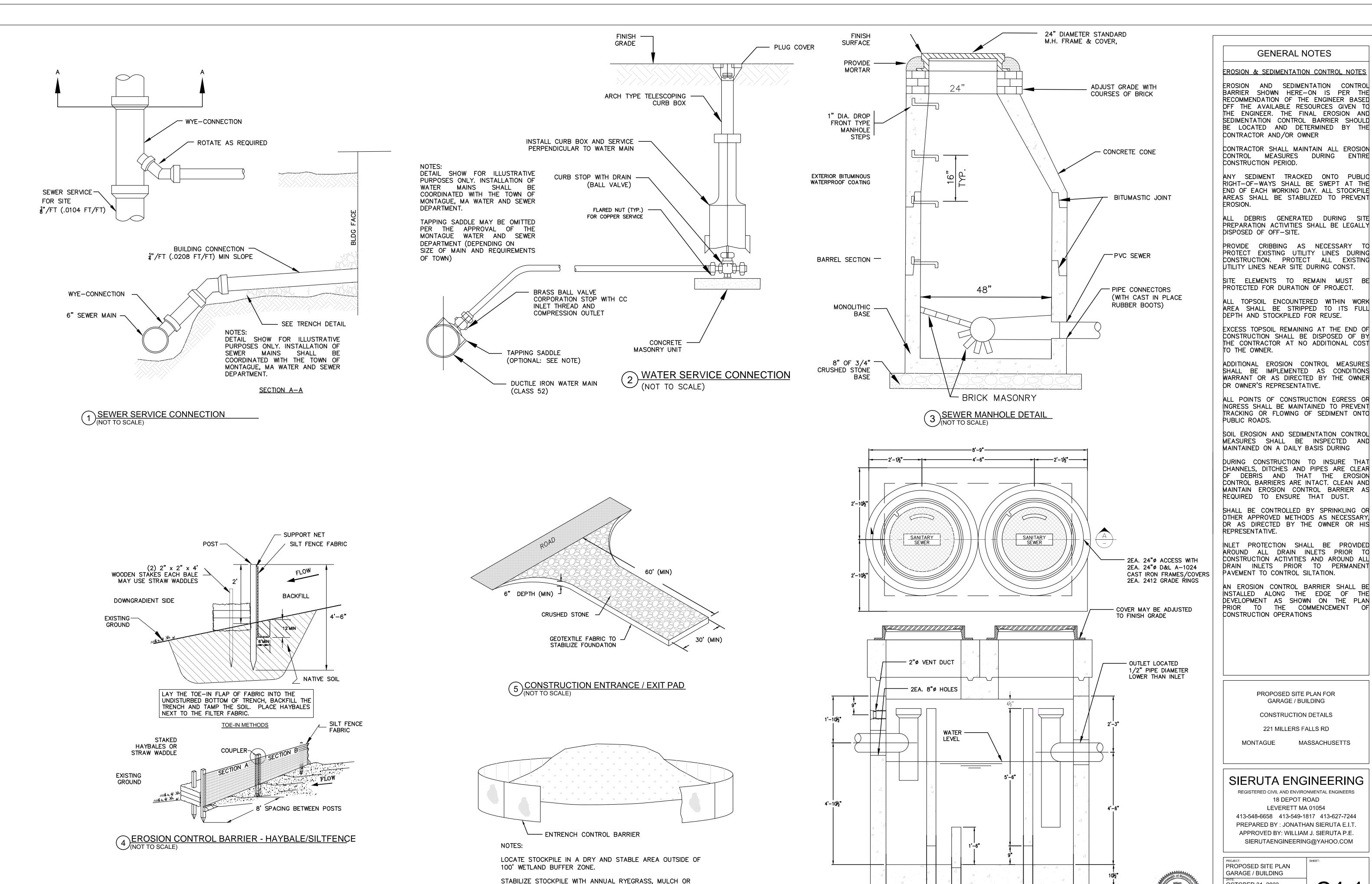
REGISTERED CIVIL AND ENVIRONMENTAL ENGINEERS 18 DEPOT ROAD LEVERETT MA 01054

413-548-6658 413-549-1817 413-627-7244 PREPARED BY: JONATHAN SIERUTA E.I.T. APPROVED BY: WILLIAM J. SIERUTA P.E. SIERUTAENGINEERING@YAHOO.COM

PROPOSED SITE PLAN GARAGE / BUILDING

OCTOBER 31, 2023

C4.0



EROSION CONTROL BLANKETS.

PROPOSED SITE PLAN GARAGE / BUILDING

MONTAGUE

OCTOBER 31, 2023

300 TOTAL GALLON OIL/WATER SEPARATOR-

PIPES SHOWN FOR ILLUSTRATIVE PURPOSES ONLY OR APPROVED EQUAL (VARIFY WITH PLUMBER)

OIL WATER SEPARATOR (300 GALLON CAP)
(NOT TO SCALE)

PROPOSED SITE PLAN FOR

GARAGE / BUILDING

CONSTRUCTION DETAILS

221 MILLERS FALLS RD

SIERUTA ENGINEERING

REGISTERED CIVIL AND ENVIRONMENTAL ENGINEERS 18 DEPOT ROAD

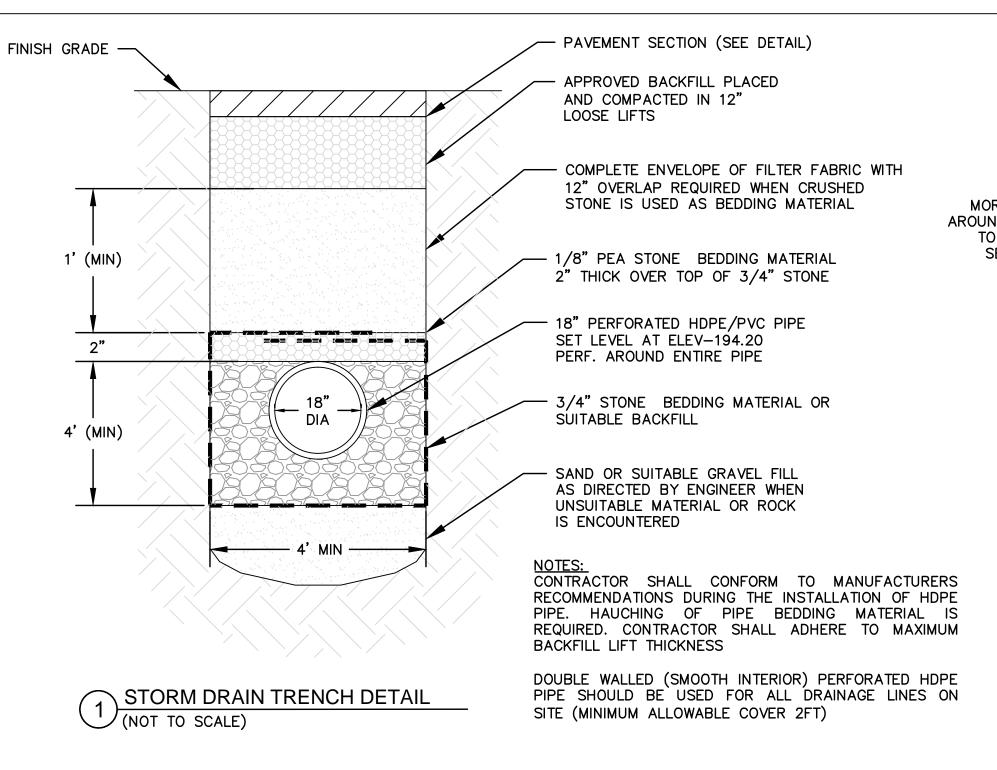
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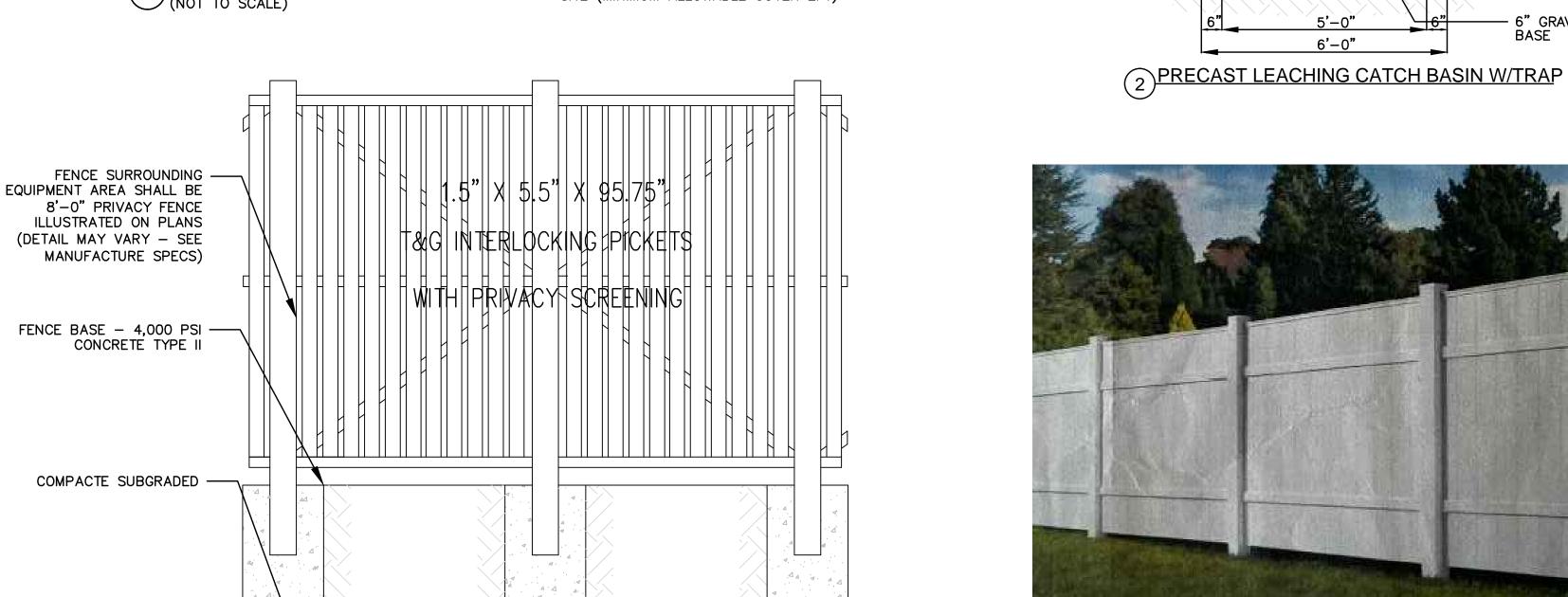
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MASSACHUSETTS

GENERAL NOTES

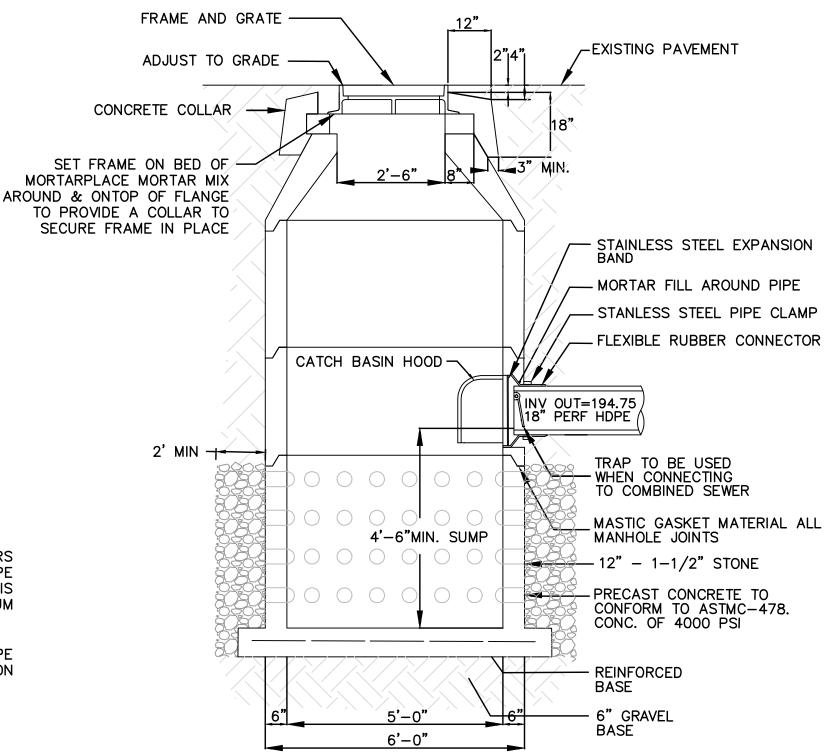
NOT FOR CONSTRUCTION - REVIEW SET







3 6'-0" STOCKADE FENCE WITH PRIVACY SCREENING (NOT TO SCALE)





EXAMPLE OF PROPOSED STOCKADE FENCE ON SITE



species selected for planting buffer on eastern/western property line - North Pole, Arborvitae (Thuja) size @ planting - 6' tall spacing @ planting - 3' apart size @ maturity - 40' tall



indicates retaining wall

locations

3000 Lumens - 37 Watt - 5000 Kelvin - LED Wall Pack Fixture 81 Lumens Per Watt - 100 Watt Metal Halide

Equal - Integrated Photocell - 120-277 Volt -

AC Electronics AC106/35/1.0L

symbol on drawings indicates exterior light fixtures

dashed line indicates extent of Work Area

hatched area indicates extent of gravel paving

(traprock gravel)

gravel paving will be "dust-free" TRG



2 ft Galvanized, 3-Loop Surface Mount Contemporary Commercial Bike Rack

5 ARCHITECTURAL DETAILS (PROVIDED BY OTHERS)
(NOT TO SCALE)

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> PROPOSED SITE PLAN FOR GARAGE / BUILDING

CONSTRUCTION DETAILS

221 MILLERS FALLS RD

MONTAGUE MASSACHUSETTS

SIERUTA ENGINEERING

REGISTERED CIVIL AND ENVIRONMENTAL ENGINEERS 18 DEPOT ROAD LEVERETT MA 01054

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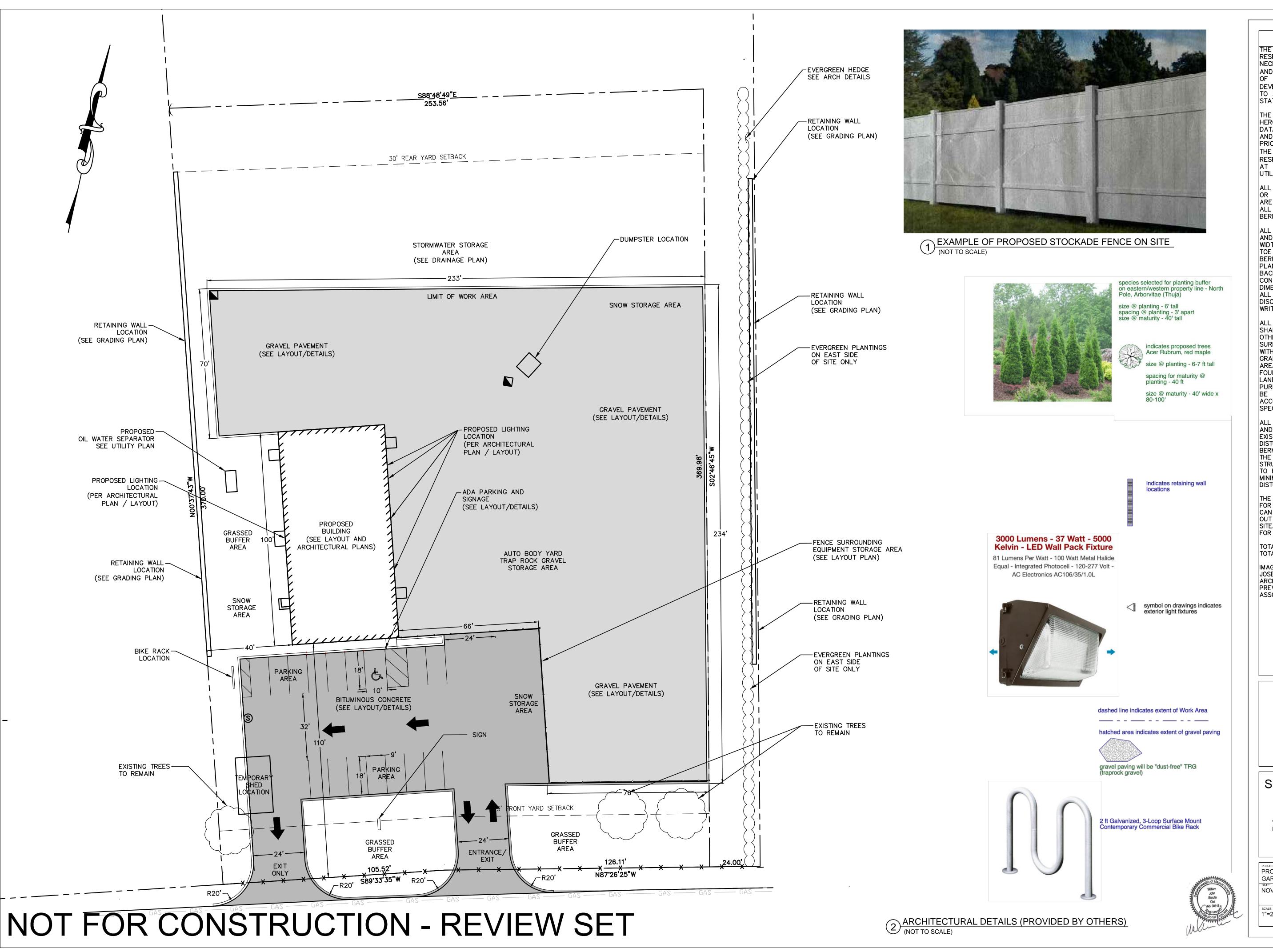
PROPOSED SITE PLAN GARAGE / BUILDING

OCTOBER 31, 2023

C4.2



NOT FORM SHIPEUS ON - REVIEW SET



THE DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY LOCAL AND STATE APPROVALS AND/OR PERMITS PRIOR TO THE BEGINNING OF ANY SITE IMPROVEMENTS. THE DEVELOPER /CONTRACTOR SHALL CONFORM TO ALL REQUIREMENTS OF THE LOCAL AND STATE AGENCIES.

THE LOCATION OF ALL UTILITIES SHOWN HERON IS BASED ON THE BEST AVAILABLE DATA. THE LOCATIONS ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO BEGINNING ANY CONSTRUCTION THE DEVELOPER/CONTRACTOR WILL BE RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 AND HAVE ALL UTILITIES MARKED ON THE GROUND.

ALL LINES AND POINTS ARE PERPENDICULAR OR PARALLEL TO LINES FROM WHICH THEY ARE MEASURE UNLESS OTHERWISE NOTED. ALL DIMENSIONING ARE TAKEN TO BACK OF BERM FOR DRIVE ISLES & PARKING AREAS.

ALL DIMENSIONING WITHIN THE DRIVEWAYS AND BERMED ENTRANCE ILLUSTRATE THE WIDTH OF THE TRAVELED WAY FROM THE TOE OF THE BERM. NO DIMENSIONING ON THE SITE PLANS ARE INTENDED TO ILLUSTRATE THE BACK OF THE BERM DIMENSIONING. THE CONTRACTOR SHALL VERIFY ALL LAYOUT, DIMENSIONS, GRADES AND REPORT ANY AND ALL DISCREPANCIES TO THE ENGINEER. ALL DISCREPANCIES SHALL BE VERIFIED IN WRITING PRIOR TO CONSTRUCTION.

ALL AREAS DISTURBED BY CONTRACTOR SHALL BE LOAMED AND SEEDED UNLESS OTHERWISE NOTE. ALL NEW SIDEWALKS AND SURFACES TO MEET EXISTING SURFACES WITH SMOOTH AND CONTINUOUS LINE AND GRADE ALL STORAGE FACILITY AND OFFICE AREA BUILDINGS, FOOTINGS AND FOUNDATION DESIGNS ARE BY OTHERS. LANDSCAPING IS SHOWN FOR REFERENCE PURPOSES ONLY AND LANDSCAPING SHOULD BE DONE BY A LANDSCAPE ARCHITECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATION.

ALL SAW CUT PAVEMENT SHALL BE JOINTED AND SEALED. ALL AREAS WHERE THE EXISTING ROADWAY PAVEMENT WILL BE DISTURBED; SUCH AS WHERE GRANITE. BERMING IS TO BE INSTALLED OR RESET, AT THE NEW DRIVEWAY ENTRANCES, AND AT ANY STRUCTURE MODIFICATIONS, THE PAVEMENT IS TO BE SAWCUT TO ITS FULL DEPTH BACK A MINIMUM OF 1-FOOT BEYOND THE EDGE OF DISTURBANCE, PARALLEL OR PERPENDICULAR

THE SITE ENTRANCE HAS BEEN CONFIGURED FOR A WB-50 VEHICLE CONFIGURATION AND CAN SUCCESSFULLY BE NAVIGATED BY LAYING OUT THE PROPER TURNING RADIUS ON THE SITE. THE REVISED ENTRANCE IS CONFIGURED FOR TRUCKS AND OTHER LARGE VEHICLES

TOTAL BUILDING AREA — 5,000 SQUARE FT TOTAL TRG AREA — 34,496 SQUARE FT

IMAGES SHOWN ON PLAN WERE PROVIDED BY JOSEPH P MATTEI AND ASSOCIATES AND ARCHITECTURAL. IMAGES WERE TAKEN FROM PREVIOUS PLAN BY JOSEPH P MATTEI AND ASSOCIATES

PROPOSED SITE PLAN FOR GARAGE / BUILDING

LANDSCAPE PLAN

221 MILLERS FALLS RD

MONTAGUE MASSACHUSETTS

SIERUTA ENGINEERING

REGISTERED CIVIL AND ENVIRONMENTAL ENGINEERS

18 DEPOT ROAD

LEVERETT MA 01054

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PROPOSED SITE PLAN GARAGE / BUILDING

GARAGE / BUILDING
DATE:
NOVEMBER 6, 2023

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