RECORD APPLICANT: ELITE HOME BUILDERS, LLC P.O. BOX 1205 WESTBOROUGH, MA 01581 (508) 560-9440

RECORD OWNER:

ELITE HOME BUILDERS, LLC P.O. BOX 1205 WESTBOROUGH, MA 01581 (508) 560-9440

LAND PLANNERS-CIVIL ENGINEERS: J.M. GRENIER ASSOCIATES INC. 325 DONALD LYNCH BOULEVARD SUITE 100 MARLBOROUGH, MA 01752 (508) 845-2500

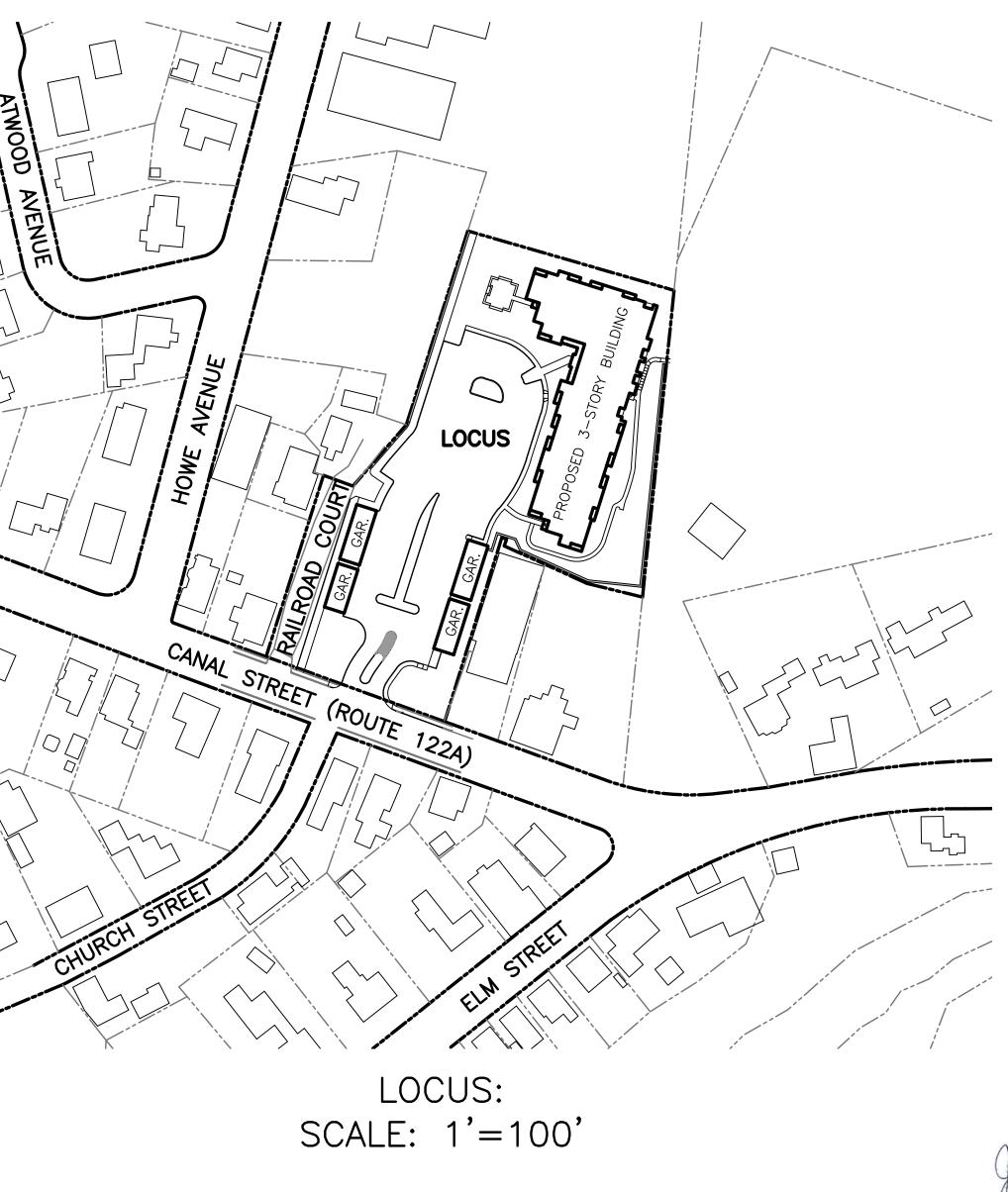
LANDSCAPE ARCHITECT LAND DESIGN COLLABORATIVE 45 LYMAN STREET SUITE 1 WESTBOROUGH, MA 01581 (508) 952-6300

ARCHITECT HPA DESIGN INC. 35 MAIN STREET MILFORD, MA 01757 (781) 407-0000

LAND SURVEYOR: REALMAPINFO, LLC 11 APEX DRIVE SUITE 300 S MARLBOROUGH, MA 01752

ZONING DISTRICT: BUSINESS I (B-I)

SITE DEVELOPMENT PLAN FOR **19 CANAL STREET** MILLBURY, MASSACHUSETTS 01527

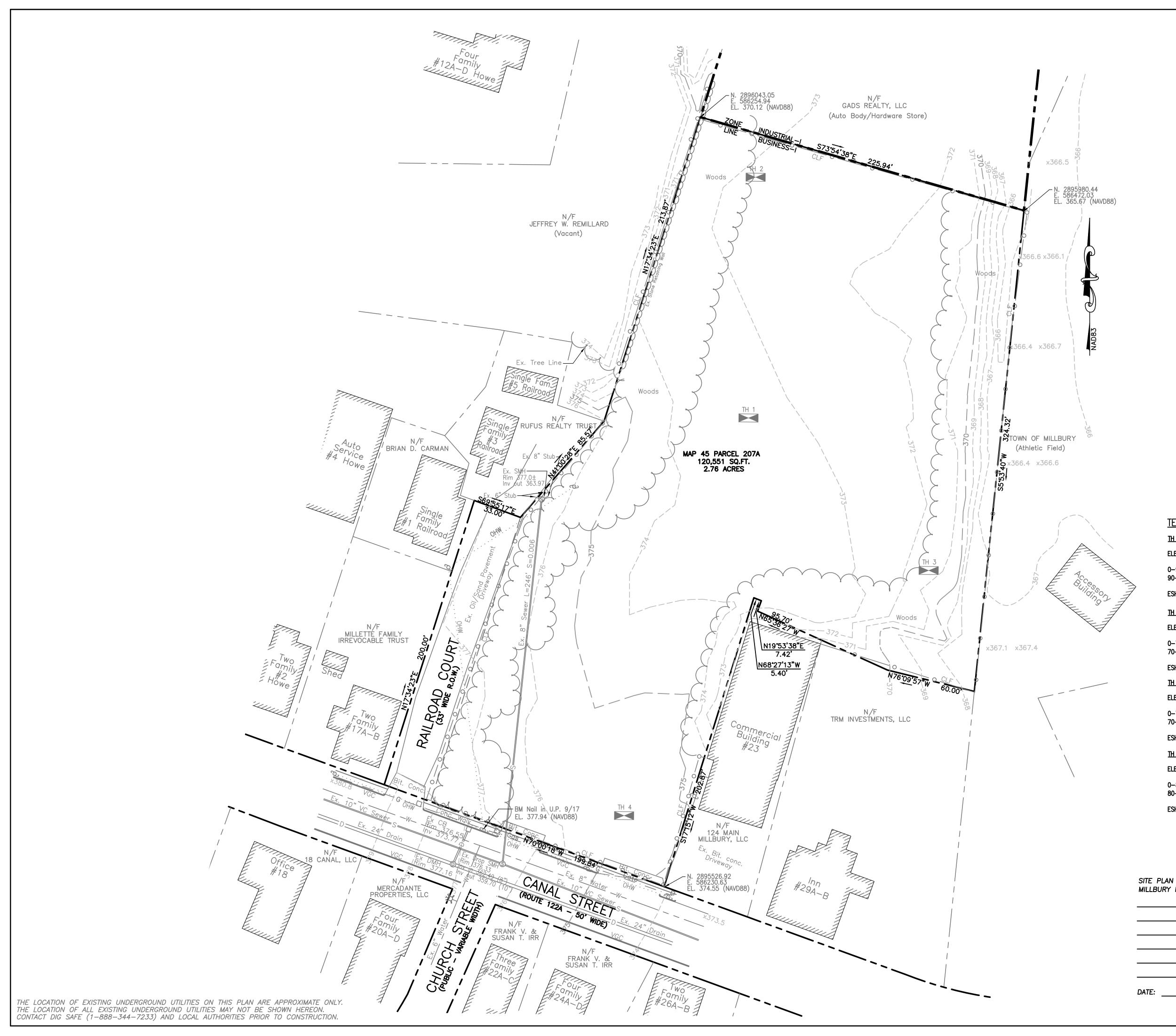




INDEX

			COVER	SHEET
	SCALE	: AS SH	IOWN	DATE: APRIL 9, 2021
	REV. NO.	DATE		REVISION
	1	6/3/21	TOWN COMMEN	TS / STANTEC COMMENTS
MILLBURY PLANNING BOARD	3	9/21/21 6/25/21	RELOCATE DUN TOWN COMMEN	IPSTER TS / STANTEC COMMENTS
SITE PLAN APPROVAL				

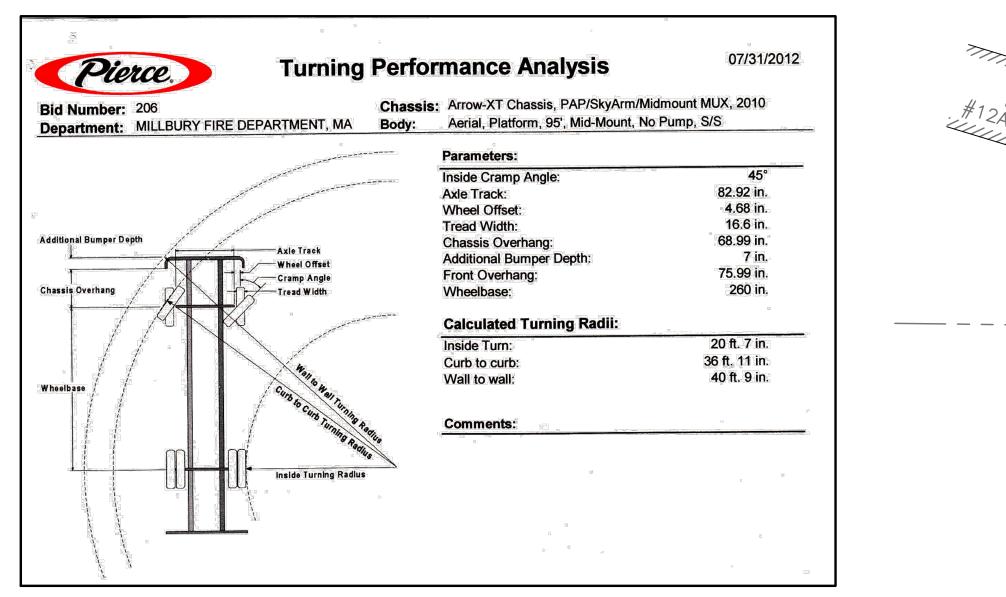
DESCRIPTION	SHEET	Νι	JMBER
COVER	1	OF	10
EXISTING CONDITIONS PLAN	2	OF	10
LAYOUT PLAN	3	OF	10
GRADING AND DRAINAGE PLA	N 4	OF	10
UTILITY PLAN	5	OF	10
LANDSCAPE PLAN	6	OF	10
EROSION & SEDIMENTATION CONTROL PLAN	7	OF	10
DETAIL PLAN	8	OF	10
DETAIL PLAN	9	OF	10
DETAIL PLAN	10	OF	10

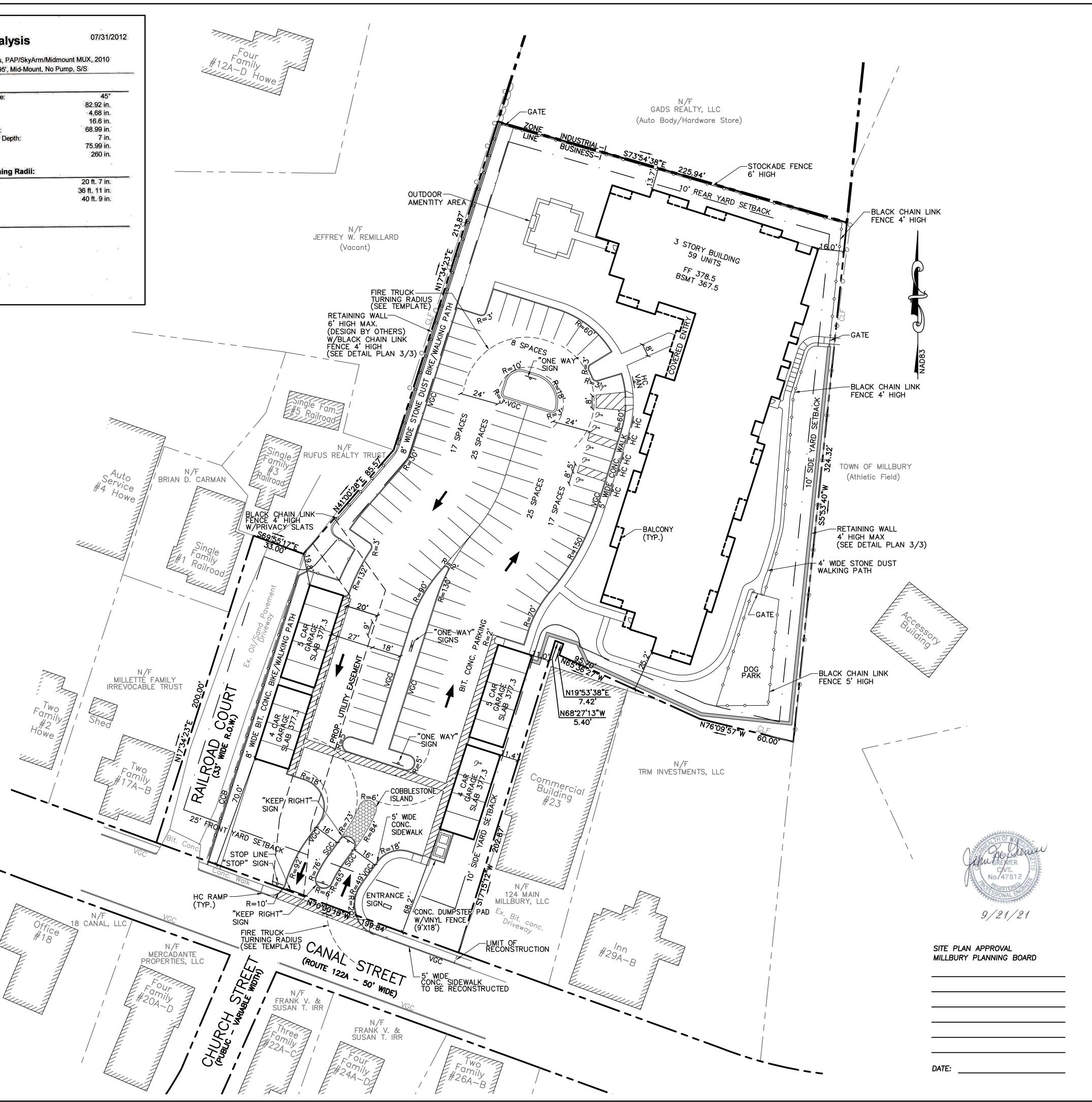


	 NOTES: REFERENCE TOWN OF MILLBURY ASSESSORS MAP 45 PARCEL 207A. EXISTING CONDITIONS SURVEY PERFORMED BY REALMAPINFO, LLC 11 APEX DRIVE SUITE 300 S MARLBOROUGH, MA 01752. SITE IS NOT LOCATED IN A FLOOD ZONE AS SHOWN ON FIRM MAP PANEL 250318C0809E FOR THE TOWN OF MILLBURY MASSACHUSETTS, WORCESTER COUNTY, DATED JULY 4, 2011. DATUM IS NAVD 88 AND NAD 83. EXISTING UTILITIES ARE FROM RECORD SOURCES AND SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
<u>'EST HOLE DATA</u> <u>H 1</u> LEV. 373.5 –90" FILL 0–108" C	TODD P. CHAPIN No.37558 W/2 SSC 102 SURITOR
SHGW >108" (ELEV. 364.5) <u>H 2</u> LEV. 373.0 -70" FILL 0-96" C	$\begin{array}{c} GRAPHIC SCALE \\ 30 & 0 & 15 & 30 & 60 \\ \hline \\ $
SHG W @ 70" (ELEV. 367.2) <u>H 3</u>	
LEV. 371.5 -70" FILL	
0—108"C Shgw @108"(Elev. 362.5)	1 6/3/21 TOWN COMMENTS / STANTEC COMMENTS
<u>H 4</u>	REV. DATE REVISION
LEV. 375.5 80" FILL	TITLE:
0–96" C	SITE DEVELOPMENT PLAN
SHGW @80" (ELEV. 368.8)	19 CANAL STREET
	MILLBURY, MASSACHUSETTS 01527
	PREPARED FOR: ELITE HOME BUILDERS, LLC
N APPROVAL	P.O. BOX 1205 WESTBOROUGH, MASSACHUSETTS 01581
PLANNING BOARD	PREPARED BY:
	J.M. GRENIER ASSOCIATES INC. 325 DONALD LYNCH BOULEVARD SUITE 100 MARLBOROUGH, MASSACHUSETTS 01752 TELE NO.: (508) 845-2500
	SCALE: 1" = 30' DATE: APRIL 9, 2021
	EXISTING CONDITIONS
	SHEET NO.: PROJECT NO.: SHEET 2 OF 10 G-611

LEGEND:

----- EXISTING PROPERTY LINE

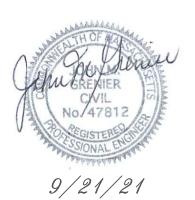




LEGEND:						
		ROPERTY LINE ASEMENT LINE				
		EASEMENT LINE				
		EXISTING CONTOUR - HIGH				
		EXISTING CONTOUR – LOW PROPOSED CONTOUR – HIGH				
		PROPOSED CONTOUR - HIGH PROPOSED CONTOUR - LOW				
		EXISTING EDGE PAVEMENT				
	EXISTING CU	EXISTING CURB				
		EDGE OF PAVEMENT				
······		GRANITE CURB				
······						
	EXISTING S	FONE WALL				
D						
D						
S						
w	- PROPOSED	WATER LINE				
· G ·						
		UNDERGROUND ELECTRIC				
	PROPOSED	EROSION CONTROL				
	ZONE LINE					
CURRENT ZONE: BUSINESS I (B–I) REQUIRED PROVIDED MIN. LOT AREA 110,250 SQ.FT.* 120,551 SQ.FT. MIN. FRONTAGE 100' 199.84' MIN. FRONT YARD SETBACK 25' 68.2' MIN SIDE YARD SETBACK 10' 11.4' MIN. REAR YARD SETBACK 10' 13.7' MAX. LOT COVERAGE 30% 22.4% MIN. OPEN SPACE 20% 39.2% *1,250 SQ.FT./DU + 500 SQ.FT./BEDROOM 1,250 SQ.FT. 1,250 SQ.FT.*59 + 500 SQ.FT.*73 = 110,250 SQ.FT. PARKING SPACE REQUIREMENTS MUTI-FAMILY (3/2 BEDROOM UNIT) x 14 UNITS = 42 SPACES MUTI-FAMILY (2/1 BEDROOM UNIT) x 45 UNITS = 90 SPACES 132 SPACES 130 SPACES PROPOSED* * WAIVER REQUESTED FOR REDUCTION IN REQUIRED PARKING SPACES						
	15 30	C SCALE 60 120 FEET)				
	•	= 30 ft.				
3 9/21/21 F	RELOCATE DUM	DOTER				
		S / STANTEC COMMENTS				
, ,		S / STANTEC COMMENTS				
REV. DATE		REVISION				
NU.						
TITLE: SITE DEVELOPMENT PLAN FOR 19 CANAL STREET MILLBURY, MASSACHUSETTS 01527						
PREPARED FOR: ELITE	E HOME	BUILDERS, LLC				
		DX 1205 SSACHUSETTS 01581				
325 DONA MARLBOF	LD LYNCH E Rough, Mas	SSOCIATES INC. Boulevard suite 100 Sachusetts 01752				
SCALE:						
	30'	MAY 25, 2021				
	LAYOUT					

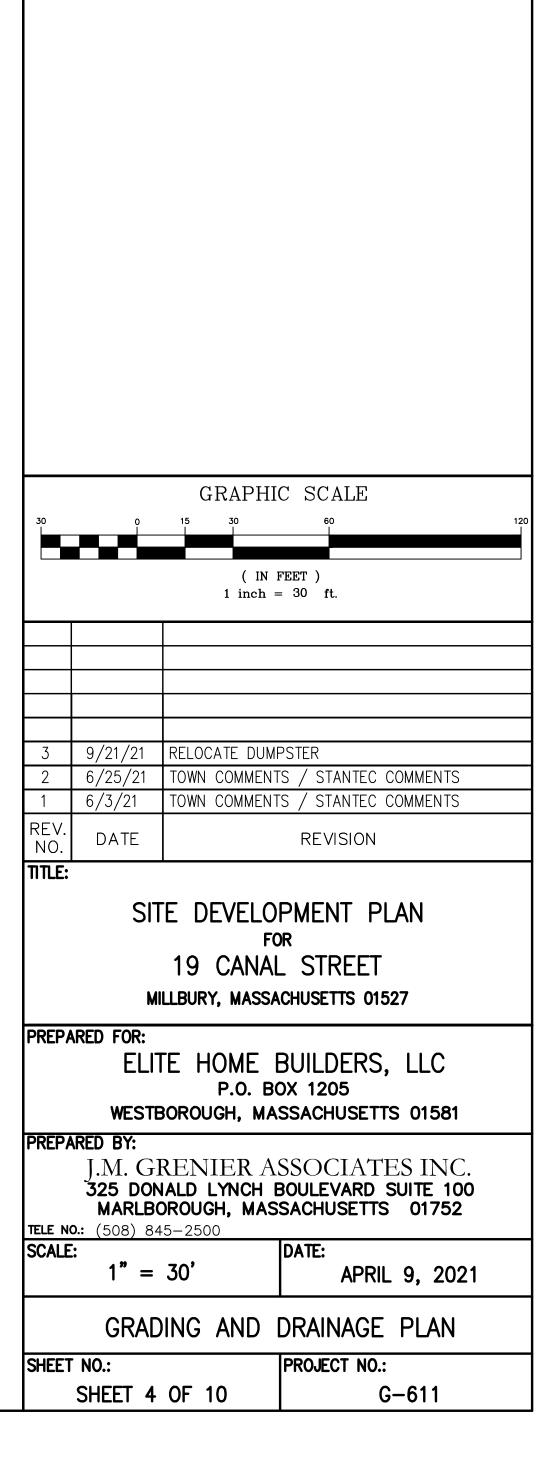


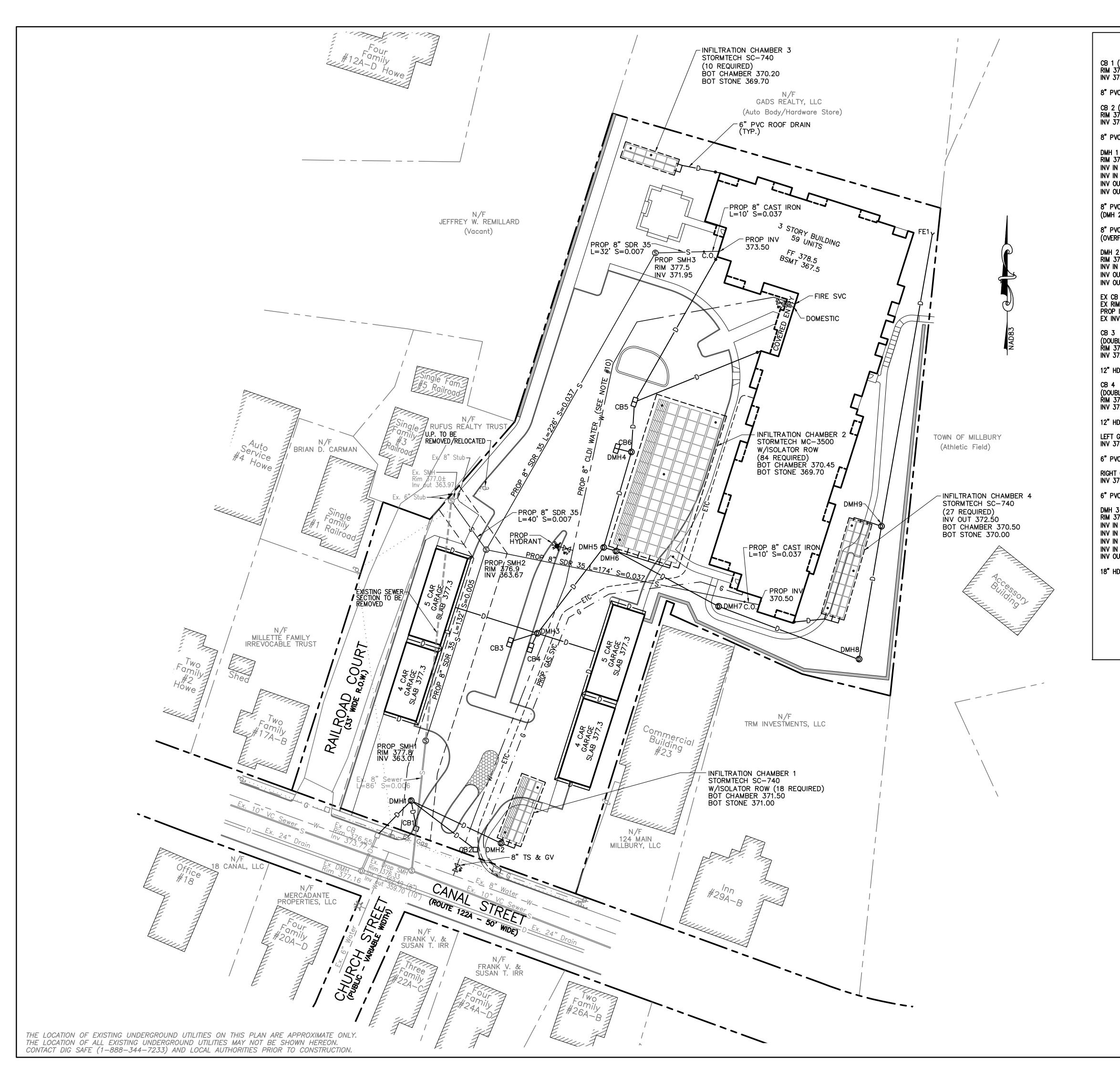
LEGEND:	
	EXISTING PROPERTY LINE
	EXISTING EASEMENT LINE
	PROPOSED EASEMENT LINE
— — 370 — —	EXISTING CONTOUR - HIGH
<u> </u>	EXISTING CONTOUR - LOW
	PROPOSED CONTOUR - HIGH
368	PROPOSED CONTOUR - LOW
	EXISTING EDGE PAVEMENT
	EXISTING CURB
	PROPOSED EDGE OF PAVEMENT
	PROPOSED GRANITE CURB
·······································	EXISTING TREE LINE
······	PROPOSED TREE LINE
·0000000	EXISTING STONE WALL
D	EXISTING DRAIN LINE
D	PROPOSED DRAIN LINE
S	EXISTING SEWER LINE
S	PROPOSED SEWER LINE
——————————————————————————————————————	EXISTING WATER LINE
——————————————————————————————————————	PROPOSED WATER LINE
· G ·	EXISTING GAS LINE
— · — G — · —	PROPOSED GAS LINE
· · · • 💽 · · · · · · · · ·	EXISTING OVERHEAD WIRES
————ETC-———	PROPOSED UNDERGROUND ELECTRIC
	PROPOSED EROSION CONTROL
	ZONE LINE



SITE PLAN APPROVAL MILLBURY PLANNING BOARD

DATE:			





DRAINAGE SCHEDULE

CB 1 (FLAT TOP) RIM 376.80 INV 373.07

8" PVC L=17 S=0.005

CB 2 (FLAT TOP) RIM 376.10 INV 373.23

8" PVC L=51 S=0.005

DMH 1 (STORMCEPTOR 900) RIM 377.1 INV IN 372.98 (CB 1) INV IN 372.98 (CB 2) INV OUT 372.88 (DMH 2) INV OUT 374.26 (EX. CB)

8" PVC L=66' S=0.005 (DMH 2)

8" PVC L=32' S=0.015 (OVERFLOW TO EX. CB)

DMH 2 RIM 376.40 INV IN 372.55 INV IN 372.55 INV OUT 372.45 (RECHARGE ROW) INV OUT 371.95 (ISOLATOR ROW) INV OUT 372.03

EX CB EX RIM 376.55 PROP INV IN 373.77 EX INV OUT 373.77

CB 3 (DOUBLE GRATE/FLAT TOP) RIM 376.00 INV 372.80

12" HDPE L=22' S=0.005

(DOUBLE GRATE/FLAT TOP) RIM 376.00 INV 372.80

12" HDPE L=10' S=0.011 LEFT GARAGE DRAIN

INV 374.00

6" PVC L=57' S=0.014 RIGHT GARAGE DRAIN INV 374.00

6" PVC L=40' S=0.020

DMH 3 RIM 376.10 INV IN 373.19 (LEFT GARAGE) INV IN 373.19 (RIGHT GARAGE) INV IN 372.69 (CB 3) INV IN 372.69 (CB 4) INV OUT 372.09

18" HDPE L=72' S=0.006

LEFT ROOF DRAIN INV 375.25

6" PVC L=110' S=0.018 FRONT ROOF DRAIN

INV 375.25 6" PVC L=90' S=0.022 CB 5 (DOUBLE GRATE/FLAT TOP)

ŘIM 376.00 INV IN 373.30 (LEFT ROOF) INV IN 373.30 (FRONT ROOF) INV OUT 372.30

18" HDPE L=33' S=0.005 CB 6

(DOUBLE GRATE/FLAT TOP) RIM 376.00 INV 372.80

12" HDPE L=10' S=0.005

DMH 4 RIM 376.10

18" HDPE L=66' S=0.005

DMH 5 (STORMCEPTOR 900) RIM 377.20 INV IN 371.65 (DMH 3) INV IN 371.65 (DMH 4) INV OUT 371.55

18" HDPE L=8' S=0.005

DMH 6 RIM 377.30 INV IN 371.51 INV OUT 371.41 (RECHARGE ROW) INV OUT 370.95 (ISOLATOR ROW) INV OUT 373.00 (DMH 7)

12" HDPE L=77' S=0.014 (OVERFLOW)

DMH 7 RIM 377.5 INV IN 371.92 INV OUT 371.82

12" HDPE L=97' S=0.014 DMH 8

RIM 376.2 INV IN 370.46 INV OUT 370.36

12" HDPE L=89' S=0.014

4" PVC L=10' S=0.100

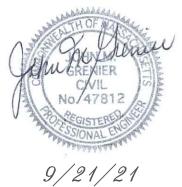
(CHAMBER 4 OVERFLOW)

DMH 9 RIM 376.5

INV IN 371.50 (CHAMBER 4) INV IN 369.11 (DMH 8) INV OUT 367.20

12" HDPE L=195' S=0.010

FE 1 INV 365.25



SITE PLAN APPROVAL

DATE:

MILLBURY PLANNING BOARD

8.		SHALL CONTACT DIG SA MENCING ANY EXCAVA	AFE AT 1—888—344—7233 72 HOURS TION	
9.		SHALL FIELD VERIFY DI T OF CONSTRUCTION.	MENSIONS AND CONDITIONS PRIOR TO THE	
10.	SIZE OF WATER LINE MAY VARY DEPENDING ON FIRE FLOW REQUIREMENTS.			
11.		, CABLE AND TELEPHC RESPECTIVE UTILITY (NE LAYOUTS ARE TO BE REVIEWED AND COMPANIES.	
12.		ITIES INTERSECT AND L BE ENCASED IN CON	THERE IS LESS THAN 30" OF COVER ICRETE.	
		GRAPHI	C SCALE	
30	0	15 30 	60 120	
		•	FEET) = 30 ft.	
3	9/21/21	RELOCATE DUM		
2	6/25/21 6/3/21		S / STANTEC COMMENTS	
REV. NO.	DATE		REVISION	
TITLE:				
	TIP		PMENT PLAN	
	JI	FC		
		19 CANAL	_ STREET	
	MI	LLBURY, MASSA	CHUSETTS 01527	
PREPA	ARED FOR:			
	ELI		BUILDERS, LLC	
	WESTE		SSACHUSETTS 01581	
PREPA	ARED BY:		· · · · ·	
			SSOCIATES INC.	
	MARLBO	DROUGH, MAS	BOULEVARD SUITE 100 SACHUSETTS 01752	
TELE NO	0.: (508) 84	-5-2500	DATE:	
		30'	APRIL 9, 2021	
1		UTILITY	PLAN	

G-611

SHEET 5 OF 10

LEGEND:	
	EXISTING PROPERTY LINE
	EXISTING EASEMENT LINE
	PROPOSED EASEMENT LINE
— — 370 — —	EXISTING CONTOUR - HIGH
<u> </u>	EXISTING CONTOUR - LOW
	PROPOSED CONTOUR - HIGH
	PROPOSED CONTOUR - LOW
	EXISTING EDGE PAVEMENT
	EXISTING CURB
	PROPOSED EDGE OF PAVEMENT
	PROPOSED GRANITE CURB
	EXISTING TREE LINE
	PROPOSED TREE LINE
\cdot	EXISTING STONE WALL
D	EXISTING DRAIN LINE
D	PROPOSED DRAIN LINE
S	EXISTING SEWER LINE
S	PROPOSED SEWER LINE
W	EXISTING WATER LINE
	PROPOSED WATER LINE
— · — G — · —	EXISTING GAS LINE
— · — G — · —	PROPOSED GAS LINE
· · · • • • • • • • • • • • • • • • • •	EXISTING OVERHEAD WIRES
ETC	PROPOSED UNDERGROUND ELECTRIC
	PROPOSED EROSION CONTROL
	ZONE LINE

5

SEE ARCHITECTURAL PLANS FOR LOCATION OF DOWNSPOUTS FOR ROOF

SEE ARCHITECTURAL PLANS FOR LOCATION OF UTILITY ROOM AND WHERE

ALL TRENCHES CANAL STREET SHALL BE BACKFILLED AS REQUIRED BY THE

SEWER SHALL BE INSTALLED WITH A MINIMUM HORIZONTAL SEPARATION OF 10

FEET FROM ALL WATER SUPPLY LINES. WHEN A 10 FOOT SEPARATION

SEPARATION BETWEEN THE CROWN OF THE SEWER AND THE INVERT OF THE

WATER MAIN. ADEQUATE VERTICAL SEPARATION OF WATER/SEWER CROSSING

A MINIMUM 18 INCH VERTICAL SEPARATION SHALL BE MAINTAINED AT ALL SEWER/DRAINAGE CROSSINGS WITH THE DRAIN ABOVE THE SEWER.

CANNOT BE MAINTAINED THE WATER MAIN SHALL BE INSTALLED IN A SEPARATE TRENCH ABOVE THE SEWER WITH AN 18 INCH VERTICAL

WATER LINES SHALL HAVE A MINIMUM COVER OF 5 FEET.

UTILITIES ENTER THE BUILDING.

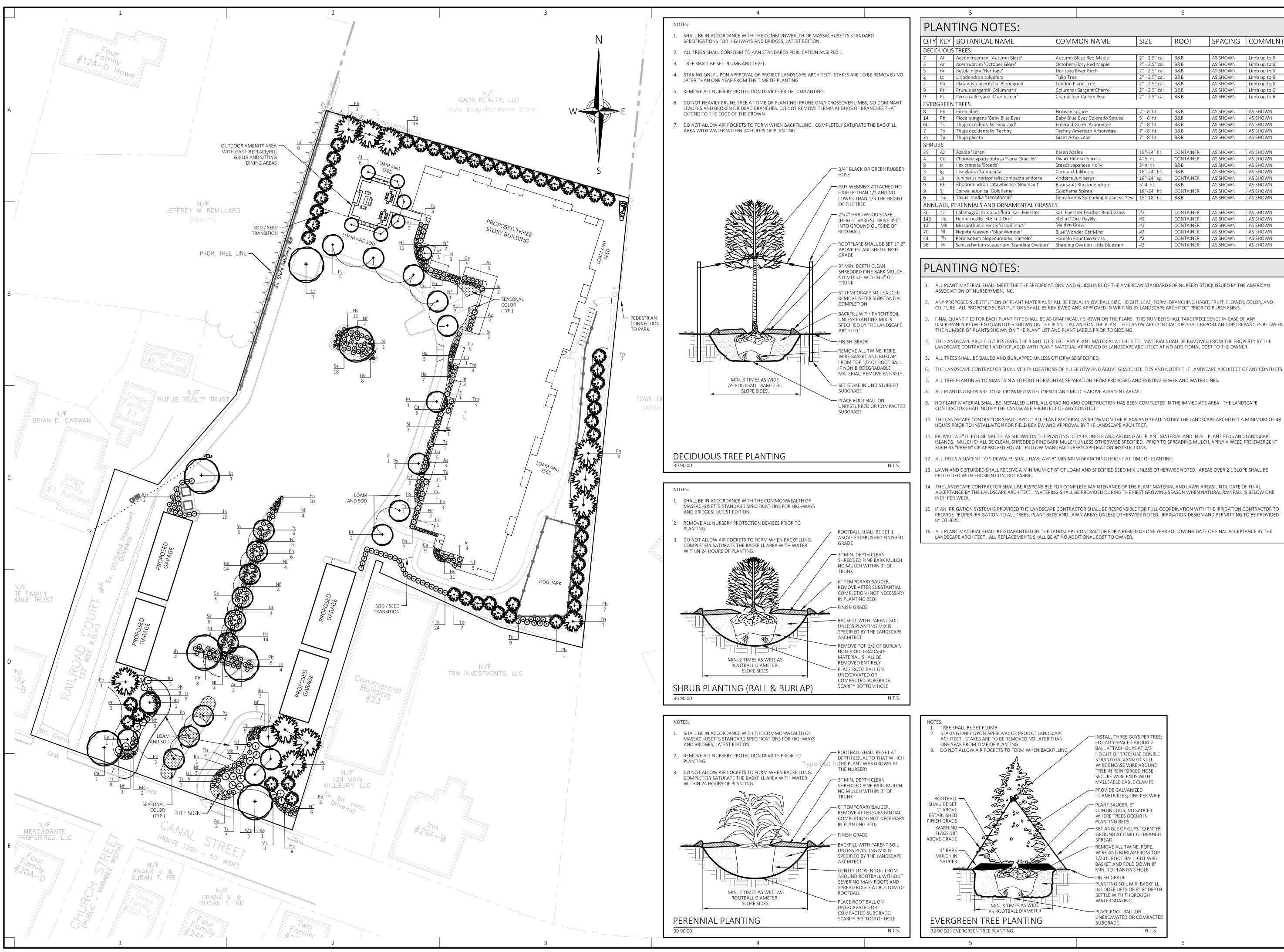
ALL SEWER PIPE SHALL BE SDR 35 PVC.

TOWN OF MILLBURY.

SHALL BE CONFIRMED.

RUNOFF DRAIN LEADERS.

NOTES:



			6		
):					
	COMMON NAME	SIZE	ROOT	SPACING	COMMENTS
			-		•
aze'	Autumn Blaze Red Maple	2" - 2.5" cal.	B&B	AS SHOWN	Limb up to 6'
,1	October Glory Red Maple	2" - 2.5" cal.	B&B	AS SHOWN	Limb up to 6'
	Heritage River Birch	2" - 2.5" cal.	B&B	AS SHOWN	Limb up to 6'
	Tulip Tree	2" - 2.5" cal.	B&B	AS SHOWN	Limb up to 6'
jood'	London Plane Tree	2" - 2.5" cal.	B&B	AS SHOWN	Limb up to 6'
s'	Columnar Sargent Cherry	2" - 2.5" cal.	B&B	AS SHOWN	Limb up to 6'
r'	Chanticleer Callery Pear	2" - 2.5" cal.	B&B	AS SHOWN	Limb up to 6'
					<u> </u>
	Norway Spruce	7' - 8' ht.	B&B	AS SHOWN	AS SHOWN
/es'	Baby Blue Eyes Colorado Spruce	5' - 6' ht.	B&B	AS SHOWN	AS SHOWN
1	Emerald Green Arborvitae	7' - 8' ht.	B&B	AS SHOWN	AS SHOWN
	Techny American Arborvitae	7' - 8' ht.	B&B	AS SHOWN	AS SHOWN
	Giant Arborvitae	7' - 8' ht.	B&B	AS SHOWN	AS SHOWN
	•				1
	Karen Azalea	18"-24" ht.	CONTAINER	AS SHOWN	AS SHOWN
a Gracillis'	Dwarf Hinoki Cypress	4'-5' ht.	CONTAINER	AS SHOWN	AS SHOWN
	Steeds Japanese Holly	3'-4' ht.	B&B	AS SHOWN	AS SHOWN
	Compact Inkberry	18"-24" ht.	B&B	AS SHOWN	AS SHOWN
acta andorra	Andorra Juniperus	18"-24" sp.	CONTAINER	AS SHOWN	AS SHOWN
e 'Boursault'	Boursault Rhododendron	3'-4' ht.	B&B	AS SHOWN	AS SHOWN
	Goldflame Spirea	18"-24" ht.	CONTAINER	AS SHOWN	AS SHOWN
	Densiformis Spreading Japanese Yew	15"-18" ht.	B&B	AS SHOWN	AS SHOWN
/IENTAL GRASS	ES				•
arl Foerster'	Karl Foerster Feather Reed Grass	#2	CONTAINER	AS SHOWN	AS SHOWN
	Stella D'Oro Daylily	#2	CONTAINER	AS SHOWN	AS SHOWN
mus'	Maiden Grass	#2	CONTAINER	AS SHOWN	AS SHOWN
der'	Blue Wonder Cat Mint	#2	CONTAINER	AS SHOWN	AS SHOWN
Hameln'	Hameln Fountain Grass	#2	CONTAINER	AS SHOWN	AS SHOWN
tanding Ovation'	Standing Ovation Little Bluestem	#2	CONTAINER	AS SHOWN	AS SHOWN

ALL PLANT MATERIAL SHALL MEET THE THE SPECIFICATIONS AND GUIDELINES OF THE AMERICAN STANDARD FOR NURSERY STOCK ISSUED BY THE AMERICAN

CULTURE. ALL PROPOSED SUBSTITUTIONS SHALL BE REVIEWED AND APPROVED IN WRITING BY LANDSCAPE ARCHITECT PRIOR TO PURCHASING. FINAL QUANTITIES FOR EACH PLANT TYPE SHALL BE AS GRAPHICALLY SHOWN ON THE PLANS. THIS NUMBER SHALL TAKE PRECEDENCE IN CASE OF ANY

THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL AT THE SITE. MATERIAL SHALL BE REMOVED FROM THE PROPERTY BY THE

THE LANDSCAPE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL BELOW AND ABOVE GRADE UTILITIES AND NOTIFY THE LANDSCAPE ARCHITECT OF ANY CONFLICTS.

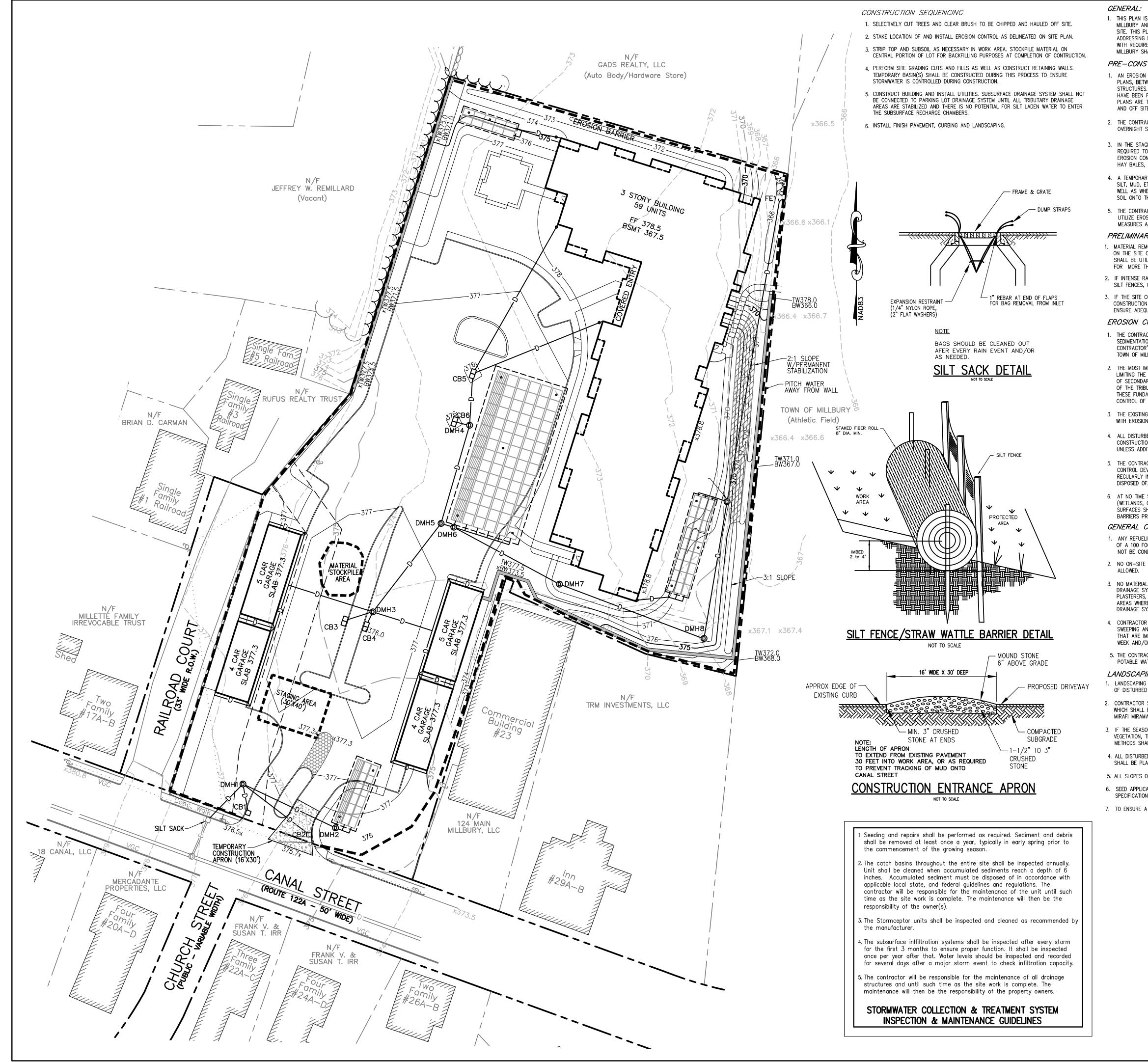
ISLANDS. MULCH SHALL BE CLEAN, SHREDDED PINE BARK MULCH UNLESS OTHERWISE SPECIFIED. PRIOR TO SPREADING MULCH, APPLY A WEED PRE-EMERGENT

ACCEPTANCE BY THE LANDSCAPE ARCHITECT. WATERING SHALL BE PROVIDED DURING THE FIRST GROWING SEASON WHEN NATURAL RAINFALL IS BELOW ONE

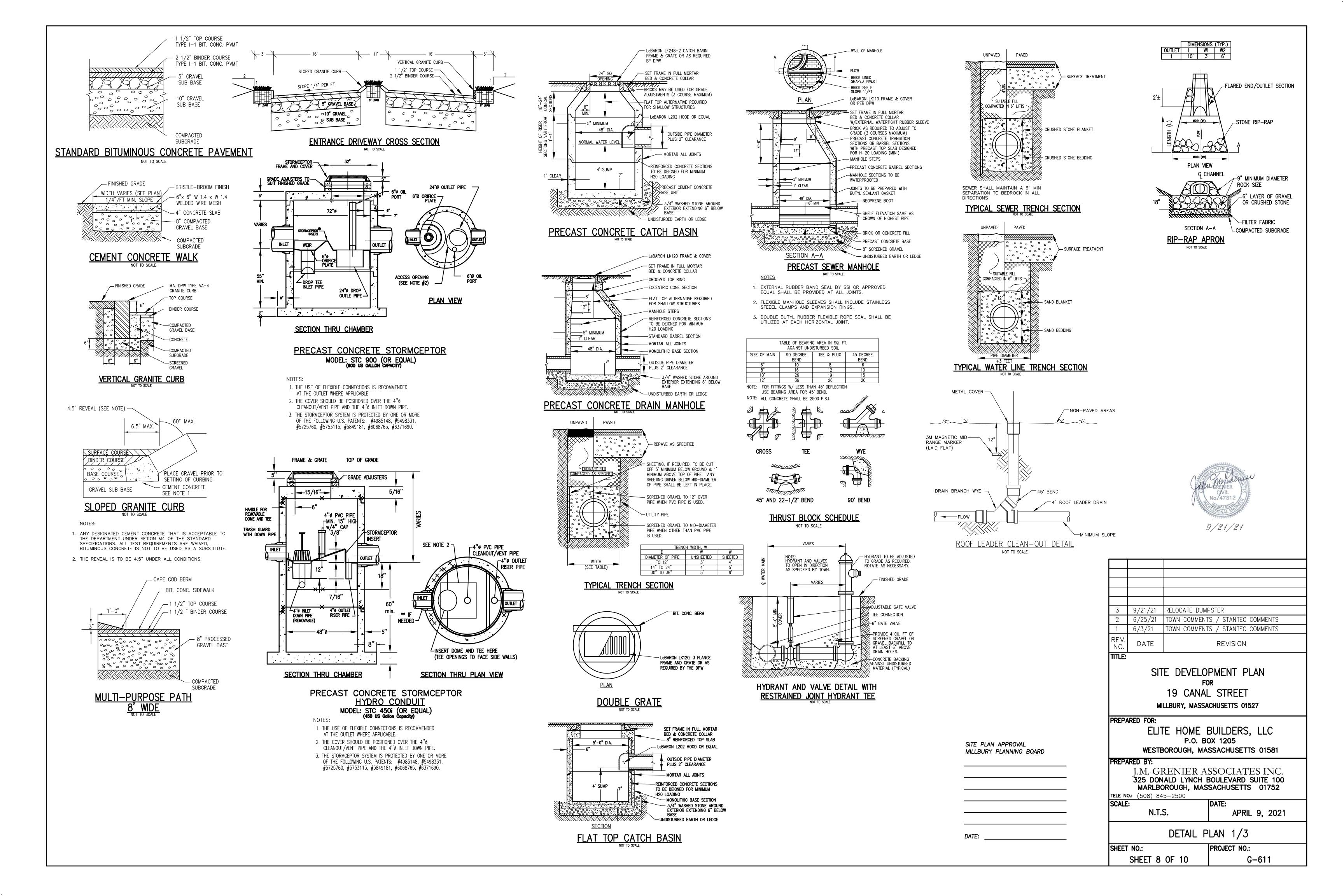
IF AN IRRIGATION SYSTEM IS PROVIDED THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FULL COORDINATION WITH THE IRRIGATION CONTRACTOR TO

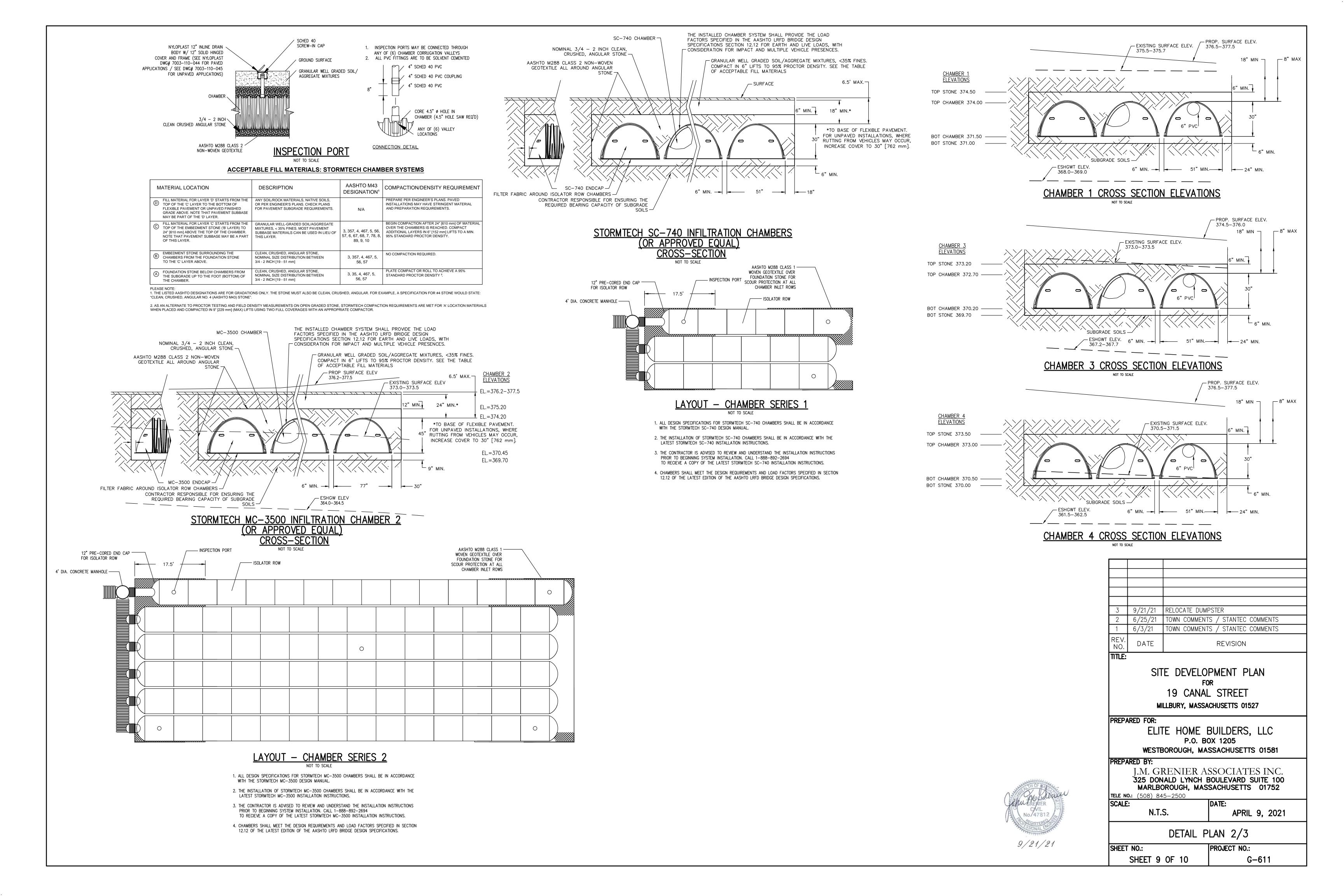
. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE LANDSCAPE CONTRACTOR FOR A PERIOD OF ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE BY THE

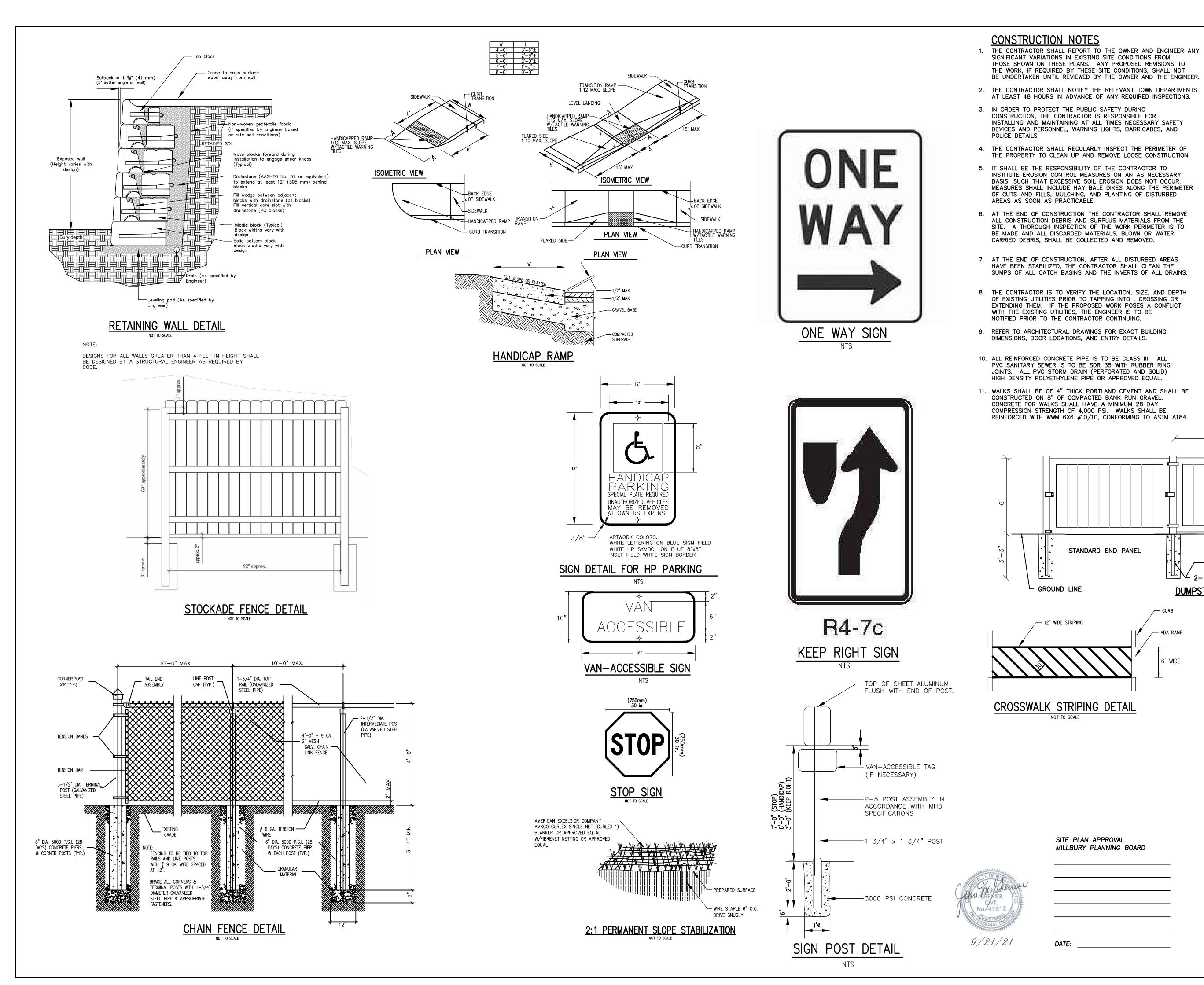




IS INTENDED TO PROVIDE GUIDANCE AND INSTRUCTION TO THE TOWN OF IND THE CONTRACTOR(S) IN THE PREVENTION OF EROSION AND SEDIMENTATION OFF PLAN IS INTENDED TO ALLOW ANY CONDITIONS OF APPROVAL TO BE MORE SPECIFIC IN 3 ITEMS OF CONCERN. IF CONDITIONS BY THE TOWN OF MILLBURY ARE IN CONFLICT REMENTS AS SPECIFIED ON THE PLANS CONDITIONS AS SPECIFIED BY THE TOWN OF	LEGEND: 	 EXISTING PROPERTY LINE EXISTING EASEMENT LINE PROPOSED EASEMENT LINE 			
SHALL SUPERSEDE THE REQUIREMENTS SPECIFIED ON THESE PLANS. <i>STRUCTION:</i> N CONTROL BARRIER (SEE BELOW) SHALL BE INSTALLED AS DEPICTED ON THE TWEEN THE AREAS TO BE DISTURBED AND RECEIVING DRAINAGE WAY AND	— — 370 — — — 368 — — — 370 —	EXISTING CONTOUR - LOW 			
S. THIS BARRIER SHALL REMAIN IN PLACE UNTIL ALL TRIBUTARY SURFACES FULLY STABILIZED. THE EROSION CONTROL BARRIERS AS SHOWN ON THE THE MINIMUM PROTECTIVE MEASURES REQUIRED TO PROTECT THE ON ITE DRAINAGE SYSTEMS.	368 	EXISTING EDGE PAVEMENT EXISTING CURB			
ACTOR SHALL ESTABLISH A STAGING AREA AS SHOWN ON THE PLAN FOR THE STORAGE OF EQUIPMENT AND STOCKPILING OF MATERIALS.		PROPOSED EDGE OF PAVEMENT PROPOSED GRANITE CURB			
AGING AREA, THE CONTRACTOR SHALL HAVE A STOCKPILE OF MATERIALS TO CONTROL EROSION ON-SITE TO BE USED TO SUPPLEMENT OR REPAIR ONTROL DEVICES. THESE MATERIALS SHALL INCLUDE, BUT ARE NOT LIMITED TO: 5, SILT FENCE AND CRUSHED STONE. ARY STONE CONSTRUCTION ENTRANCE IS REQUIRED TO PREVENT TRACKING OF		 PROPOSED TREE LINE EXISTING STONE WALL 			
ETC. ONTO EXISTING ROADS. THE STONE SHALL BE REPLACED REGULARLY AS HEN THE STONE IS SILT LADEN OR EQUIPMENT IS OBSERVED TO BE TRACKING THE ROADWAYS. SEE GENERAL CONSTRUCTION REQUIREMENTS, SEE NOTE #4 BELOW.	D	PROPOSED DRAIN LINE EXISTING SEWER LINE			
OSION CONTROL MEASURES WHERE NEEDED, REGARDLESS OF WHETHER THE ARE SPECIFIED HEREIN, ON THE PLAN OR IN ANY ORDER OF CONDITIONS. IRY SITE WORK:		EXISTING WATER LINE PROPOSED WATER LINE			
MOVED SHOULD BE STOCKPILED, SEPARATING THE TOPSOIL FOR FUTURE USE OR IN A SECURED OFF SITE AREA APPROVED BY THE OWNER. EROSION CONTROLS TILIZED ALONG THE DOWN SLOPE OF THE PILES IF THE PILES ARE TO REMAIN THAN THREE WEEKS.	Ū	PROPOSED GAS LINE EXISTING OVERHEAD WIRES			
RAINFALL IS ANTICIPATED, THE INSTALLATION OF SUPPLEMENTAL HAY BALE DIKES, , OR ARMORED DIKES SHALL BE UTILIZED. CONSTRUCTION OCCURS AT ANY TIME OTHER THAN THE APRIL – DECEMBER		PROPOSED EROSION CONTROL			
ON SEASON, ALL DRAINAGE SYSTEMS TEMPORARY OR PERMANENT SHALL MAINTAIN TO QUATE HYDRAULIC CAPACITY, AND DRAINING CHARACTERISTICS. CONTROL MEASURES:		ZONE LINE			
ACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT EROSION AND TION ARE CONTROLLED. THIS PLAN SHALL BE SHALL BE ADAPTED TO FIT THE IR'S EQUIPMENT, WEATHER CONDITIONS, AND ANY CONDITIONS ISSUED BY THE IILLBURY.					
IMPORTANT ASPECTS OF CONTROLLING EROSION AND SEDIMENTATION ARE E EXTENT OF DISTURBANCE AND STABILIZING SURFACES AS SOON AS POSSIBLE. ARY IMPORTANCE IN EROSION CONTROL IS THE LIMITING THE SIZE AND LENGTH BUTARY DRAINAGE AREA WITHIN THE WORK SITE AND DRAINAGE STRUCTURES. DAMENTAL PRINCIPLES SHALL BE THE KEY FACTOR IN THE CONTRACTOR'S F EROSION ON THE SITE.					
NG SOIL CONDITIONS PROVIDE THE POTENTIAL OF RUNOFF TO OFF-SITE AREAS ON POTENTIAL.					
BED SURFACES SHALL BE STABILIZED A MINIMUM OF 14 DAYS AFTER ION IN ANY PORTION OF THE SITE HAS CEASED OR IS TEMPORARILY HALTED DITIONAL CONSTRUCTION IS INTENDED TO BE INITIATED WITHIN 21 DAYS.					
ACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF ALL EROSION EVICES WITHIN THE LIMIT OF WORK. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED. ANY SEDIMENTS REMOVED FROM THE CONTROL DEVICES SHALL BE DF.					
E SHALL SILT-LADEN WATER BE ALLOWED TO ENTER SENSITIVE AREAS , OFF-SITE AREAS AND DRAINAGE SYSTEMS). ANY RUNOFF FROM DISTURBED SHALL BE DIRECTED THROUGH SETTLING BASINS AND EROSION CONTROL PRIOR TO ENTERING ANY SENSITIVE AREAS. CONSTRUCTION REQUIREMENTS:					
LING OF CONSTRUCTION VEHICLES AND EQUIPMENT SHALL NOT TAKE PLACE INSIDE COOT BUFFER ZONE, NEAR THE ENTRANCE TO ANY DRAINAGE SYSTEM AND SHALL INDUCTED IN PROXIMITY TO SEDIMENTATION BASINS OR DIVERSION SWALES. E DISPOSAL OF STUMPS, SOLID WASTE, INCLUDING CONSTRUCTION MATERIALS IS					
ALS SHALL BE DISPOSED OF INTO THE WETLANDS, OR EXISTING/PROPOSED SYSTEMS. ALL CONTRACTORS INCLUDING: CONCRETE SUPPLIERS, PAINTERS AND S, SHALL BE INFORMED THAT THE CLEANING OF EQUIPMENT IS PROHIBITED IN IRE THE WASH—WATER WILL DRAIN DIRECTLY TO THE SITE SYSTEMS.		GRAPHIC SCALE			
OR IS RESPONSIBLE FOR DUST CONTROL WHICH SHALL INCLUDE STREET AND/OR WATERING OF ALL PAVED SURFACES WITHIN THE SITE AND OFF-SITE IMPACTED BY SITE CONSTRUCTION ON A REGULAR BASIS, A MINIMUM OF ONCE PER /OR AS NECESSARY.		15 30 60 11			
ACTOR SHALL UNDERTAKE ALL WORK TO LIMIT AIRBORNE SEDIMENTS, ONLY CLEAN, /ATER MAY BE USED TO CONTROL DUST. //// <i>G:</i>		1 inch = 30 ft.			
G SHALL OCCUR AS SOON AS POSSIBLE TO PROVIDE PERMANENT STABILIZATION ED SURFACES.					
R SHALL UTILIZE A VARIETY OF SLOPE STABILIZATION METHODS AND MATERIALS BE ADJUSTED TO THE SITE CONDITIONS. EROSION CONTROL BLANKETS OR MAT (OR SIMILAR PRODUCTS) SHALL BE AVAILABLE ON SITE.					
SON OR ADVERSE WEATHER CONDITIONS DO NOT ALLOW THE ESTABLISHMENT OF TEMPORARY MULCHING WITH HAY, TACKIFIED WOOD CHIPS OR OTHER IALL BE PROVIDED.	3 9/21/21 2 6/25/21				
BED SURFACES TO BE PLANTED SHALL RECEIVE A MINIMUM OF 6" TOPSOIL LACED AND ITS SURFACE SMOOTHED TO THE SPECIFIED GRADES.	1 6/3/21	TOWN COMMENTS / STANTEC COMMENTS			
OF 2:1 OR GREATER SHALL BE STABILIZED WITH EROSION CONTROL FABRIC.	REV. NO. DATE	REVISION			
NS. A DENSE, SUCCESSION GROWTH, SEED IS REQUIRED ON ALL DISTURBED SURFACES.					
All Augure	SITE DEVELOPMENT PLAN FOR 19 CANAL STREET				
CVIL No.47812		MILLBURY, MASSACHUSETTS 01527			
SSIONAL ENGLAND	PREPARED FOR:	ITE HOME BUILDERS, LLC			
9/21/21 SITE PLAN APPROVAL		P.O. BOX 1205 TBOROUGH, MASSACHUSETTS 01581			
MILLBURY PLANNING BOARD	PREPARED BY:				
	325 DC	GRENIER ASSOCIATES INC. DNALD LYNCH BOULEVARD SUITE 100 BOROUGH, MASSACHUSETTS 01752 845-2500			
	SCALE:	= 30' DATE: APRIL 9, 2021			
	EROSION	& SEDIMENTATION CONTROL PLAN			
DATE:	SHEET NO.: SHEET	PROJECT NO.: 7 OF 10 G-611			







CONSTRUCTION NOTES

SIGNIFICANT VARIATIONS IN EXISTING SITE CONDITIONS FROM THOSE SHOWN ON THESE PLANS. ANY PROPOSED REVISIONS TO THE WORK, IF REQUIRED BY THESE SITE CONDITIONS, SHALL NOT BE UNDERTAKEN UNTIL REVIEWED BY THE OWNER AND THE ENGINEER.

2. THE CONTRACTOR SHALL NOTIFY THE RELEVANT TOWN DEPARTMENTS AT LEAST 48 HOURS IN ADVANCE OF ANY REQUIRED INSPECTIONS.

3. IN ORDER TO PROTECT THE PUBLIC SAFETY DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING AT ALL TIMES NECESSARY SAFETY DEVICES AND PERSONNEL, WARNING LIGHTS, BARRICADES, AND

4. THE CONTRACTOR SHALL REGULARLY INSPECT THE PERIMETER OF THE PROPERTY TO CLEAN UP AND REMOVE LOOSE CONSTRUCTION.

5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTITUTE EROSION CONTROL MEASURES ON AN AS NECESSARY BASIS, SUCH THAT EXCESSIVE SOIL EROSION DOES NOT OCCUR. MEASURES SHALL INCLUDE HAY BALE DIKES ALONG THE PERIMETER OF CUTS AND FILLS, MULCHING, AND PLANTING OF DISTURBED AREAS AS SOON AS PRACTICABLE.

6. AT THE END OF CONSTRUCTION THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND SURPLUS MATERIALS FROM THE SITE. A THOROUGH INSPECTION OF THE WORK PERIMETER IS TO BE MADE AND ALL DISCARDED MATERIALS, BLOWN OR WATER CARRIED DEBRIS, SHALL BE COLLECTED AND REMOVED.

7. AT THE END OF CONSTRUCTION, AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE CONTRACTOR SHALL CLEAN THE SUMPS OF ALL CATCH BASINS AND THE INVERTS OF ALL DRAINS.

8. THE CONTRACTOR IS TO VERIFY THE LOCATION, SIZE, AND DEPTH OF EXISTING UTILITIES PRIOR TO TAPPING INTO, CROSSING OR EXTENDING THEM. IF THE PROPOSED WORK POSES A CONFLICT WITH THE EXISTING UTILITIES, THE ENGINEER IS TO BE NOTIFIED PRIOR TO THE CONTRACTOR CONTINUING.

9. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS, DOOR LOCATIONS, AND ENTRY DETAILS.

10. ALL REINFORCED CONCRETE PIPE IS TO BE CLASS III. ALL PVC SANITARY SEWER IS TO BE SDR 35 WITH RUBBER RING JOINTS. ALL PVC STORM DRAIN (PERFORATED AND SOLID) HIGH DENSITY POLYETHYLENE PIPE OR APPROVED EQUAL

11. WALKS SHALL BE OF 4" THICK PORTLAND CEMENT AND SHALL BE CONSTRUCTED ON 8" OF COMPACTED BANK RUN GRAVEL. CONCRETE FOR WALKS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH OF 4,000 PSI. WALKS SHALL BE

REINFORCED WITH WWM 6X6 #10/10, CONFORMING TO ASTM A184.

12. NO LEDGE, BOULDERS, OR OTHER UNYIELDING MATERIALS ARE TO BE LEFT WITHIN 6" OF THE UTILITY SERVICES IN THE TRENCH, NOR ARE THEY TO BE USED FOR BACKFILL FOR THE FIRST 12" ABOVE THE SERVICES.

13. STANDARD PAVEMENT AREAS SHALL HAVE 10 INCHES OF GOOD, CLEAN BANK-RUN GRAVEL SUB BASE AND 5 INCHES OF GOOD, CLEAN BANK-RUN GRAVEL BASE, CONFORMING TO MDPW M1.03.1, WITH NO STONES LARGER THAN 3" IN DIAMETER AND SHALL BE PLACED AND ROLLED WITH AT LEAST A TEN TON ROLLER. THE SURFACES SHALL BE WET DURING ROLLING TO BIND THE MATERIAL. ALL STONES OF 4" DIAMETER OR LARGER SHALL BE REMOVED FROM THE SUB-BASE PRIOR TO PLACING BASE MATERIAL.

14. STANDARD PAVEMENT AREAS SHALL BE PAVED TO A THICKNESS OF 4" MEASURED AFTER COMPACTION, WITH A 2 1/2" BINDER COURSE AND 1 1/2" TOP COURSE OF CLASS | BITUMINOUS CONCRETE PAVEMENT, TYPE I-1.

15. THE AGGREGATE SHALL BE COMPOSED, MIXED AND LAID HOT IN TWO COURSES AS SPECIFIED IN THE "COMMONWEALTH OF MASSACHUSETTS STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGES", 1988 EDITION SECTION 460 FOR CLASS I BITUMINOUS CONCRETE PAVEMENT, AS SPECIFICALLY SET FORTH IN SECTION 460.20 AND 460.82.

16. EROSION CONTROL GRASS MIXTURE (SIDE SLOPE GREATER THAN 4 HORIZONTAL TO 1 VERTICAL) FOLLOWING COMPLETION OF GRADING. THE FOLLOWING SEED MIX SHALL BE APPLIED:

TYPE OF SEED % BY WEIGHT CREEPING RED FESCUE

TALL FESCUE WHITE DUTCH CLOVER RED TOP

SEED AT THE RATE OF 2#/2,000 SF USE THE ABOVE MIX AT THE RATE OF 50#/ACRE AND WITH 1/2 BUSHEL/ACRE OF WINTER RYE

- 17. ALL DISTURBED AREAS ARE TO BE LOAMED AND SEEDED WITH A MINIMUM OF 6" OF TOP SOIL SPREAD EVENLY THROUGHOUT. PROVIDE EROSION CONTROL MEASURES AS NECESSARY TO PROVIDE SLOPE STABILITY UNTIL VEGETATION IS ESTABLISHED.
- 18. ALL STUMPS, TOP SOIL, SUB SOIL AND OTHER DELETERIOUS MATERIALS ARE TO BE REMOVED FROM THE PROPOSED BUILDING AND PAVING AREAS.

