NOTES:

1. THE INFORMATION DEPICTED ON THIS PLAN HAS BEEN COMPILED FROM THE TOWN OF ARLINGTO GIS SYSTEM

2. LAND USE WITHIN 500 FEET OF THE SUBJECT PROPERTY IS PRIMARILY SINGLE FAMILY DWELLINGS AND COMMERCIAL BUSINESSES, AND INCLUDES THE HIGHLAND FIRE STATION

1021 & 1025 MASSACHUSETTS AVENUE (1021 ASSESSORS MAP 55 LOT 19) (1025 ASSESSORS MAP 55 LOT 20) **COMPREHENSIVE PERMIT PLAN SET** (TO ACCOMPANY A ZONING BOARD OF APPEALS APPLICATION) LOCATED IN ARLINGTON, MA





SEPTEMBER 19, 2022 - REVISED APRIL 14, 2023

(SCALE 1''=100')



PREPARED BY:

PATRIOT Engineering BEDFORD STREET, SUITE 4 LEXINGTON, MASSACHUSETTS 02420 (978) 726-2654 ww.patriot-eng.com



SHEET INDEX

- 1. COVER SHEET
- 2. EXISTING CONDITIONS PLAN
- 3. SITE DEMOLITION PLAN
- 4. SITE LAYOUT AND MATERIALS PLAN
- 5. EROSION CONTROL/ CONSTRUCTION STORMWATER PLAN
- 6. SITE GRADING AND DRAINAGE PLAN
- 7. SITE UTILITY PLAN
- 8. EMERGENCY ACCESS PLAN
- 9. SITE DETAILS I
- 10. SITE DETAILS II

APPLICANT: 1025 MASS AVE., LLC 13 WHEELING AVENUE WOBURN, MA 01801

PERMITTING SET



		MASSAC		RJOC
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LEGEI	ND N THIS LEGEND A BOUNDARY L ABUTTING PF SEWER SERV DRAIN SERVIO WATER SERVI	APPEAR ON THE PLAN) INE ROPERTY LINE ICE CE		
С Е Т оhw	GAS LINE ELECTRIC LIN TELEPHONE I OVERHEAD W	IE INE IRES		
X X Q Q 100 Q 98 Q 98 Q SHT POLE ECTRIC HAND HOLE BLE MANHOLE WER MANHOLE VER MANHOLE TCH BASIN TER VALVE E HYDRANT RINKLER CONNECTION ST INDICATOR VALVE LLARD S METER S VALVE OF DRAIN EA DRAIN RIGATION CONTROL VALVE DT GRADE ST PIT	CHAIN LINK FE STOCKADE FE INDEX CONTO INTERMEDIATI CC VGC BCB HC HPDE CONC. LSA ▼ d (8)/8C (+:) (REC)	INCE INCE		1021 MASSACHUSETTS AVENUE JOHN H. CHAGLASSIAN 1021 ARLINGTON, MA 02476 BK 72517 / PG 224 1025 - 1027 MASSACHUSETTS AVENUE STEPHEN B. GERSH 21 KING'S COURT ESSEX, MA 01929 BK 57969 / PG 298 Location: PARCEL ID: 1021 MASSACHUSETTS AVENUE MAP 055 BLOCK 002 LOT 019 1025 - 1027 MASSACHUSETTS AVENUE MAP 055 BLOCK 002 LOT 020 ARLINGTON, MA PREPARED BY: RJOCONNELLS SURVEYORS & LAND PLANNERS B0 MONTVALE AVENUE, SUITE 201 STONEHAM, MA 02180 PHONE: 781.279.0180 RJOCONNELL.COM
HIS PLAN IS TO SHOW THE OF THE LOCUS PARCEL FO ADE ON THE GROUND USIN	EXISTING SITE OR DESIGN PUR IG TOTAL STATIO	CONDITIONS, AS THEY EXISTED AT THE TIN POSES. THIS PLAN WAS PREPARED FROM ON METHODS BY R. J. O'CONNELL & ASSOC	/IE OF AN SIATES	1025 MASS AVE LLC 13 WHEELING AVENUE
LITIES SHOWN ARE FROM M AVAILABLE RECORD PLA Y. AS OF THE DATE OF THIS ELECTRIC AND GAS PROV ATUM I IS THE MASSACHUS (ERTICAL DATUM OF 1988 (CURACY OF THE DATA AND RONIC DATA CONTAINED IN T SHOWN ON THE PLAN IS	OBSERVED SUF ANS OF UTILITY S SURVEY, NO IN 'IDERS. BEFORE SETTS COORDIN (NAVD88). DATUI D PHYSICAL IMP N AUTOCAD VER NOT AUTHORIZE	RFACE INDICATIONS, SUBSURFACE INDICAT COMPANIES AND PUBLIC AGENCIES AND A NFORMATION REGARDING RECORD UTILITI E CONSTRUCTION CALL "DIG SAFE" 811. NATE SYSTEM (NAD83), THE VERTICAL DATU MS WERE ESTABLISHED USING RTK GPS M ROVEMENTS ON THIS PLAN MAY BE APPRO SIONS OF THIS PLAN TO GENERATE COOR ED.	TIONS, RE ES HAS JM IS ETHODS. DXIMATE. DINATES	PROJECT NAME: 1021 & 1025 MASSACHUSETTS AVE ARLINGTON, MA
21 AND WAS LOCATED IN T CIATES. - IS TWO FOOT (2').	THE FIELD BY TO	TAL STATION METHODS ON THE SAME DAY	Ϋ́ BY RJ	THIS PLAN IS THE RESULT OF AN ON THE GROUND SURVEY PERFORMED BETWEEN 08/13/2021 AND 10/15/2021.
FERENCES: AND PAGES REFERENCE T OCK 21 PAGE 6 (1864) OURT PLAN 31556a (1962) OG OR 1967 OURT PLAN 35170 (1970) 58 OF 1986 5 OF 2015	HE MIDDLESEX	SOUTH COUNTY REGISTRY OF DEEDS		RJ O'CONNELL & ASSOCIATES, INC DRAWN BY: RJK / W. REVIEWED BY: N SCALE: 1" = 2 FIELD CREW: RJK / C. FIELD BOOK: FIELD BOOK 40 / PG DATE: 12/09/20 DRAWING NAME: EXISTING CONDITIONS PLAN
		20 0 10 20	40	DRAWING NUMBER: 2 OF 7 PROJECT NUMBER: 2158:

Copyright ©	2021	by	R.J.	O'Connell	& Associa	ites,



	 UNDERGROUND UTILITIES SHOWN ARE FROM OBSERVED SURFACE INDICATIONS, SUBSURFACE INDICATIONS, AND COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. AS OF THE DATE OF THIS SURVEY, NO INFORMATION REGARDING RECORD UTILITIES HAS BEEN PROVIDED BY ELECTRIC AND GAS PROVIDERS. BEFORE CONSTRUCTION CALL "DIG SAFE" 811. THE HORIZONTAL DATUM I IS THE MASSACHUSETTS COORDINATE SYSTEM (NAD83), THE VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). DATUMS WERE ESTABLISHED USING RTK GPS METHODS. THE POSITIONAL ACCURACY OF THE DATA AND PHYSICAL IMPROVEMENTS ON THIS PLAN MAY BE APPROXIMATE. ANY USE OF ELECTRONIC DATA CONTAINED IN AUTOCAD VERSIONS OF THIS PLAN TO GENERATE COORDINATES OR DIMENSIONS NOT SHOWN ON THE PLAN IS NOT AUTHORIZED. EDGE OF BANK-MEAN ANNUAL HIGH WATER LINE WAS DELINEATED BY LEC ENVIRONMENTAL CONSULTANTS, INC. ON OCTOBER 15, 2021 AND WAS LOCATED IN THE FIELD BY TOTAL STATION METHODS ON THE SAME DAY BY RJ O'CONNELL & ASSOCIATES. CONTOUR INTERVAL IS TWO FOOT (2'). ALL EXISTING UTILITIES ARE REQUIRED TO BE CUT AND CAPPED AT THE EXISTING MAIN CONNECTIONS. 				DRAWN BY: DATE: 09-19-2022	CHECKED BY: PROJECT No: 21-32
23 PREPARED FOR Incontrol PREPARED FOR 1025 MASS AVE.,		Description Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product products contained in this section appear on the plans Product product product planse	PLAN PLAN PATRIOT Engineering OI-23-2023 JBJ PEER REVIEW COMMENTS	1A 35 BEDFORD STREET, SUITE 4 CIVIL 5 04-14-2023 JBJ ZBA AND CONSERVATION COMMENTS No. 50696 5 0 04-14-2023 JBJ ZBA AND CONSERVATION COMMENTS	T: (978) 726-2654	
	7	79 EXISTING TREES TO BE REMOVED	SITE DEMOLITION LOCATED IN			1025 MASS AVE.,

PERMITTING SET

3 of 10



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		FOR ADDITI INFOR LANDSCAF	ONAL I MATIC PE DESI	HARDSCAPE DN SEE IGN PLANS		LAYOUT AND MATERIALS PLAN		AKLING I UN, IVIA (MIDDLESEX COUNTY)	PREPARED FOR 1025 MASS AVE., LLC
					PERMITTING SET		s⊦ 4 C	ieet DF 1	LO



	<ul> <li>PHASE I CONSTRUCTION SEQUENCE</li> <li>INSTALL ALL EROSIONS CONTROL MEASURES AS REQUIRED.</li> <li>MEET WITH CONSERVATION COMMISSION AGENT, SITE CONTRACTOR, AND EROSION CONTROL MONITOR AT PRE-CONSTRUCTION MEETING TO REVIEW EROSION CONTROL MEASURES AND COMPREHENSIVE PERMIT AND ORDER OF CONDITIONS REQUIREMENTS.</li> <li>INSTALL ALL PEDESTRIAN TRAFFIC MANAGEMENT CONTROLS PER CONSTRUCTION AND TRAFFIC MANAGEMENT PLAN.</li> </ul>	CHUSETTS	AVENUE AVENUE ALINGTON MASSACHLISETTS		CHUSEI 13		09-19-2022	CT No: 21-32
THEOMATE	<ol> <li>INSTALL TEMPORARY CONSTRUCTION FENCING AROUND ENTIRE PROPERTY TO DELINEATE WORK AREA. TEMPORARY CONSTRUCTION FENCING WILL BE INSTALLED BEHIND EROSION CONTROL MEASURES TO ENSURE ADEQUATE ACCESS TO THE EROSION CONTROLS FOR INSPECTION, MAINTENANCE, AND REPAIR AS NEEDED FOR THE DURATION OF CONSTRUCTION.</li> <li>INSTALL/CONSTRUCT TEMPORARY SEDIMENT BASIN AS SHOWN (SEE DETAIL SHEET)</li> <li>DEMOLISH AND DISPOSE OF THE EXISTING BUILDING STRUCTURES. FOUNDATIONS, BITUMINOUS CONCRETE, ETC.</li> </ol>	MASSA			DATE:	PROJE		
	<ul> <li>AT 1021 AND 1025 MASS AVE TO CREATE WORK AREA FOR CONSTRUCTION.</li> <li>REMOVE AND DISPOSE OF ALL TRASH AND DEBRIS FROM SITE.</li> <li>REMOVE ALL TREES AND STUMPS.</li> <li>GRUB AND STRIP ENTIRE URBAN WOODLAND AND REMOVE A MINIMUM OF 12" OF TOPSOIL AND HAUL OFF SITE.</li> <li>TEST REMAINING SOIL FOR CONTAMINANTS AND PLANTING SUITABILITY.</li> <li>EXCAVATE FOR AND CONSTRUCT RETAINING WALL AND INFILTRATION SYSTEM. CHAMBERS TO BE HD RATED TO</li> </ul>	.021 & 1025					AWN BY:	ECKED BY:
VN AREA IIM OF O OVER	ACCOMMODATE DELIVERIES, MATERIAL STORAGE AND SUPPORT THE LOAD OF A BOOM FORK LIFT. 2. BACKFILL BEHIND RETAINING WALL AND INFILTRATION SYSTEM FIELD. 3. CONSTRUCT WOODLAND AREA TO SUB GRADE ELEVATIONS.	<del>~  </del> 		V i	DRA	CHE		
	4. TEMPORARILY TOP DRESS WOODLAND AND MEADOW PER TOPSOIL SPECIFICATIONS ON APPROVED LANDSCAPE PLANS. TOPSOIL TO BE TESTED FOR LOAMY SAND TEXTURE AND 5-8% ORGANIC CONTENT. HYDROSEED ENTIRE AREA WITH ANNUAL RYE GRASS (LOLIUM MULTIFLORUM) TO PROVIDE TEMPORARY STABILIZATION DURING THE PHASE II VERTICAL CONSTRUCTION PERIOD.	N	MMENTS	DING				
	<ol> <li>DRESS THE STAGING AND HOISTING AREA AT THE REAR OF THE SITE CLOSEST TO THE REAR BUILDING WALL WITH CRUSHED STONE.</li> <li>FINISH GRADING, PLANTING AND CONSTRUCTION OF WALKING PATH TO OCCUR DURING PHASE IV. PHASE II CONSTRUCTION SEQUENCE</li> <li>EXCAVATE BASEMENT AREA TO BOTTOM OF FOOTING. STOCKPILE MATERIAL FOR BACKFILL AND HAUL REMAINDER OF MATERIAL OFF SITE.</li> <li>FURNISH AND INSTALL BASEMENT FOOTINGS AND FOUNDATION WALLS.</li> <li>WATERPROOF, INSULATE AND BACKFILL BASEMENT FOOTINGS AND FOUNDATION WALLS</li> <li>EXCAVATE FOR AND INSTALL PERIMETER FOOTINGS AND FOUNDATION FROST WALLS AND INTERIOR FOOTINGS</li> </ol>	DESCRIPTIC	PEER REVIEW COI		2BA AND CONSERVATIO			
	<ol> <li>EXCAVATE FOR AND INSTALL PERIMETER FOOTHINGS AND FOUNDATION FROST WALLS AND INTERIOR FOOTHINGS. WATERPROOF, INSULATE AND BACKFILL THESE AREAS.</li> <li>ERECT STAGING AND CONSTRUCT ELEVATOR SHAFT</li> <li>ERECT STEEL STRUCTURE AND DECK FOR FLOOR SYSTEM OVER BASEMENT</li> <li>EXCAVATE AND BACKFILL ALL NECESSARY TRENCHES IN ORDER TO FURNISH AND INSTALL ALL UNDERGROUND PLUMBING, SECONDARY ELECTRICAL, ETC.</li> <li>PLACE AND FINISH CONCRETE SLABS AT ENTIRE FOOTPRINT OF THE FIRST FLOOR BY FIRST INSTALLING POLY VAPOR BARPIER, STORS, WELLDED WIRE EARDIG AND ISOLATION APOLIND, COLUMN LOCATIONS</li> </ol>	DATE BY	01-23-2023 JBJ	02-22-2023 JBJ	04-14-2023 JBJ			
	<ul> <li>PHASE III CONSTRUCTION SEQUENCE</li> <li>ERECT SECOND LEVEL STEEL PODIUM IN TWO PHASES. THE FIRST PHASE WILL CONSIST OF THE ERECTION OF COLUMNS AND BEAMS AT THE REAR 50% OF THE FIRST-FLOOR FOOTPRINT. A SMALL CRANE TRUCK WILL SIT WITHIN THE FRONT 50% OF THE FIRST-FLOOR FOOTPRINT FOR THIS PHASE. THE SECOND PHASE WILL CONSIST OF THE ERECTION OF COLUMNS AND BEAMS AT THE FRONT 50% OF THE FIRST-FLOOR FOOTPRINT. A THIS POINT, THE METHOD OF ERECTION WILL CHANGE TO A FORKLIFT DUE TO SPACE LIMITATIONS.</li> <li>INSTALL SECOND LEVEL STEEL DECKING, STOPS AND REBAR IN PREPARATION FOR POURING THE SECOND LEVEL CONCRETE SLAB.</li> <li>POUR SECOND LEVEL CONCRETE SLAB.</li> <li>ONCE CURED, THE SECOND LEVEL CONCRETE SLAB WILL BE LOADED WITH LUMBER PRODUCTS IN ORDER TO BEGIN THE WOOD FRAMING PORTION OF THE PROJECT ON A FLOOR BY FLOOR BASIS. LISING THE FRONT AND</li> </ul>	ALL OF UL OF		COM NOVAK SITT	No. 20090			
MASSACHUS ARCEL ID: 、	<ul> <li>BEGIN THE WOOD FRAMING PORTION OF THE PROJECT ON A FLOOR BY FLOOR BASIS, USING THE FRONT AND REAR HOISTING AND STAGING AREAS TO LIFT MATERIALS AS THE BUILDING PROGRESSES VERTICALLY.</li> <li>FROM THIS POINT ON, THE VERTICAL CONSTRUCTION CONTINUES IN THE SAME CONVENTIONAL MANNER AS ANY MAJOR URBAN DEVELOPMENT PROJECT.</li> <li><u>PHASE IV CONSTRUCTION SEQUENCE</u></li> <li>REMOVE AND DISPOSE OF TEMPORARY ANNUAL RYE GRASS STABILIZATION AND CRUSHED STONE AT STAGING AREA</li> <li>FURNISH AND INSTALL STONE DUST WALKING PATHS WITH APPROPRIATE SUB-BASE.</li> </ul>	•	leering	)				
N/F MICHAEL E,	<ol> <li>TILL SUBSOIL OR SCARIFY WITH EXCAVATOR BUCKET TEETH TO ENSURE FRIABLE SOIL PLANTING MEDIUM BENEATH TOPSOIL</li> <li>FURNISH AND SPREAD APPROVED TOPSOIL FROM SUB GRADE TO FINISH GRADE PER TOPSOIL SPECIFICATIONS ON APPROVED LANDSCAPE PLANS. TOPSOIL TO BE TESTED FOR LOAMY SAND TEXTURE AND 5-8% ORGANIC CONTENT</li> <li>FURNISH, DELIVER AND INSTALL AL LPLANT MATERIAL PER APPROVED KZLA DESIGN DOCUMENTS. PROJECT UNITY AND CONTENTS. AND COMPANY AND CONTENTS.</li> </ol>	•	Engli	SUITE 4	105E115 02420			
	<ul> <li>WEILAND SCIENTIST AND/OR LANDSCAPE ARCHITECT SHALL INSPECT PLANTS PRIOR TO INSTALLATION, AND OVERSEE SITING AND INSTALLATION OF ALL PLANTS.</li> <li>AT THE TIME OF INSTALLATION, ALL PLANTS TO RECEIVE A DEEP WATERING.</li> <li>FURNISH AND INSTALL DRIP IRRIGATION SYSTEM ACROSS ENTIRE PLANTED AREA AND HYDROSEED SPRAY SPECIFIED SEED MIXTURES FOR POLLINATOR MEADOW AND RESTORED WOODLAND.</li> <li>CLEANUP AND DEMOBILIZE.</li> <li>UPON SUCCESSFUL SEED GERMINATION AND SOIL STABILIZATION. REMOVE EROSION CONTROLS. TAKE A DEEP</li> </ul>		AIKIUI	EDFORD STREET, S	ועם ו טוע, ועומסאמרה 178) 726-2654 עי מסלינוסל ממק נסמי	M.pati iot-eiig.com		
	BREATH. CONSTRUCTION AND TRAFFIC MANAGEMENT LOGISTICS SIDEWALKS ALONG BUILDING FRONTAGE TO BE CLOSED UNTIL VERTICAL CONSTRUCTION IS SUBSTANTIALLY COMPLETED. PEDESTRIAN TRAFFIC WILL BE DIVERTED TO THE SOUTH SIDE OF MASSACHUSETTS AVENUE SIDEWALKS WILL BE REMOVED AND DISPOSED OF ALONG BUILDING FRONTAGE AND WILL BE REPLACED WITH NEW CONCRETE SIDEWALKS AT COMPLETION OF CONSTRUCTION.			35 B				
	<ol> <li>FURNISH AND INSTALL (2) TEMPORARY CROSSWALKS WITH ADA COMPLIANT TIP DOWNS (RAMPS), DETECTIBLE WALKING SURFACES, SIGNAGE AND VISUAL SIGNALING AS RECOMMENDED BY THE TOWN ENGINEERS OFFICE.</li> <li>FURNISH AND INSTALL ROADWAY MARKINGS DEPICTING THE LIMITS OF THE SIDEWALKS ACROSS MASSACHUSETTS AVENUE.</li> <li>FURNISH AND INSTALL POST DRIVEN FENCING ALONG CURB LINE AT THE RIGHT OF WAY, WITH A DOUBLE GATE TO THE EAST OF THE NEW CURB CUT, TO CAPTURE SIDEWALK AREA TO ENABLE THE CONSTRUCTION OF THE BASEMENT AREA, WHILE MAINTAINING LEGAL TRENCH SLOPES OF 1:1 PER OSHA REGULATIONS. TO PROVIDE FURTHER CLARIFICATION, THE EXCAVATION OF THE BASEMENT WILL BE APPROXIMATELY 12 FEET IN DEPTH AND WE WILL REQUIRE A MINIMUM OF 4 FEET OF WORKING SPACE IN THE FOUNDATION HOLE TO CONSTRUCT THE FOOTINGS AND WALLS AND ONLY 13 FEET TO THE PROPERTY LINE. IN ADDITION TO MAINTAINING OSHA COMPLIANCE, IT IS OUR PROFESSIONAL OPINION THAT IT WOULD BE UNSAFE FOR PEDESTRIANS TO BE PASSING IN FRONT OF AN ACTIVE URBAN CONSTRUCTION SITE WITH HEAVY</li> </ol>	ORMWATER PLAN		<u> </u>	()			
<del>S</del>	<ul> <li>EQUIPMENT ENTERING AND EXITING THE PROPERTY OVER THE RIGHT OF WAY.</li> <li>THE BALANCE OF THE SITE PERIMETER WILL BE SECURED USING DRIVEN POSTS AND REMOVABLE FENCE PANELS.</li> <li>ALL FENCING WILL BE COVERED WITH BLACK SCRIM FOR AESTHETICS.</li> <li>WE ARE REQUESTING THE EXCLUSIVE USE OF THE PARKING SPACES ON MASSACHUSETTS AVENUE ALONG THE PROPERTY FRONTAGE, IN ORDER TO FACILITATE MATERIAL DELIVERIES, TRENCH AND INSTALL UTILITIES FROM MASS AVE, LIMITED PARKING FOR CONSTRUCTION VEHICLES AND FOR PLACING A 30-YARD DUMPSTER, WHICH WILL BE FENCED AND COVERED AT THE END OF EACH WORK DAY.</li> <li>ADDITIONAL CONSTRUCTION NOTES:</li> </ul>	CONSTRUCTION STO	LOCATED IN	INGTON, M	DLESEX COUNTY PREPARED FOR	MASS AVE., I		
L TAKE UP EENED BY	SNOW MANAGEMENT DURING CONSTRUCTION SNOW WILL BE REMOVED IN ITS ENTIRETY ON THE CONSTRUCTION SIDE OF THE FENCE BY THE GENERAL CONTRACTOR AND HAULED OFF SITE AS REQUIRED. THE TOWN OF ARLINGTON WILL REMOVE SNOW ON THE PUBLIC SIDE OF THE FENCE AT THE PUBLIC PARKING SPACES AS IT NORMALLY WOULD. ANY RESIDUAL SNOW THAT MAY BE IN CONTACT WITH THE PUBLIC SIDE OF THE TEMPORARY FENCING WILL BE REMOVED BY THE GENERAL CONTRACTOR.	ONTROL/C		ARL	(MIC	1025 [[]		
THAT THEY FOR THE	MBTA BUS STOP ACCESS THE PROPOSED TRAFFIC AND CONSTRUCTION MANAGEMENT PLAN WILL STILL PROVIDE THE ABILITY FOR THE MBTA BUS TO ACCESS THE BUS STOP TO THE WEST OF THE SUBJECT PROPERTY AND NOT IMPEDE ON THE WESTERLY TEMPORARY CROSS WALK. SIGNAGE TO BE RELOCATED TO OUTSIDE OF TEMPORARY CROSSWALK AREA DURING CONSTRUCTION. SEE DRAWINGS.	ROSION C						
AREA S WILL BE	I HE PROPOSED TRAFFIC AND CONSTRUCTION MANAGEMENT PLAN WILL PROVIDE LEGAL ADA ACCESS AT THE TEMPORARY CROSSWALKS. THEY WILL BE CREATED BY REMOVING SECTIONS OF THE EXISTING CONCRETE SIDEWALK AND FORMING THEM SO THAT THEY RAMP DOWN TO THE ROADWAY ELEVATION IN A COMPLIANT MANNER. AT THE COMPLETION OF THE PROJECT THE TEMPORARY CROSSWALKS WILL BE REMOVED AND THE CONCRETE SIDEWALKS WILL BE REPLACED IN THEIR ENTIRETY FROM TEMPORARY SIDEWALK TO TEMPORARY SIDEWALK.	ш [	5	SHEI OF	=⊤ 10	)		



NOTES: 1. UNDERGRO AND COMP APPROXIM BEEN PROV 2. THE HORIZ NORTH AM 3. THE POSIT ANY USE O OR DIMENS 4. EDGE OF B ON OCTOB O'CONNELL 5. CONTOUR 6. ALL EXISTIN	OUND UTILITIES SHOWN ARE FRO PILED FROM AVAILABLE RECORD IATE ONLY. AS OF THE DATE OF VIDED BY ELECTRIC AND GAS PRO CONTAL DATUM I IS THE MASSAC IERICAN VERTICAL DATUM OF 19 TIONAL ACCURACY OF THE DATA OF ELECTRONIC DATA CONTAINE SIONS NOT SHOWN ON THE PLAN BANK-MEAN ANNUAL HIGH WATER SER 15, 2021 AND WAS LOCATED IN L & ASSOCIATES. INTERVAL IS TWO FOOT (2'). ING UTILITIES ARE REQUIRED TO LEGEN T ALL FEATURES CONTAINED IN	DM OBSERVED SI PLANS OF UTILIT THIS SURVEY, NO ROVIDERS. BEFO HUSETTS COORE 88 (NAVD88). DAT AND PHYSICAL IN D IN AUTOCAD VE IN AUTOCAD VE IN AUTOCAD VE IN AUTOCAD VE IN THE FIELD BY BE CUT AND CAF D THIS LEGEND API	URFACE INDICATI TY COMPANIES AN DINFORMATION R RE CONSTRUCTION DINATE SYSTEM (N TUMS WERE ESTA MPROVEMENTS O ERSIONS OF THIS SIZED. NEATED BY LEC E TOTAL STATION M PPED AT THE EXIS PEAR ON THE PLA	ONS, SUBSURFACE INDICATIONS, ND PUBLIC AGENCIES AND ARE EGARDING RECORD UTILITIES HAS ON CALL "DIG SAFE" 811. NAD83), THE VERTICAL DATUM IS BLISHED USING RTK GPS METHODS. ON THIS PLAN MAY BE APPROXIMATE. PLAN TO GENERATE COORDINATES STING MAIN CONNECTIONS.		IUZI & IUZJ MASSACHUSELIS AVENUE	<b>ARLINGTON, MASSACHUSETTS</b>	DRAWN BY: DATE: 09-19-2022	CHECKED BY: PROJECT No: 21-32
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	WATER VALVE FIRE HYDRANT SPRINKLER CONNECTION POST INDICATOR VALVE BOLLARD GAS METER GAS VALVE ROOF DRAIN AREA DRAIN	B (B) (B) (BC) (REC)	DOOR SIGN PARKING COUN NUMBER DECIDUOUS TRI CONIFEROUS TR FROM RECORD	REE PLANS		A THE MASS AND A THE	NOVAK JELIA	UN BETTER STATE	
□ ×114.7 ♥SIS ▼SIS ▼YP PFE INV. TW BW	IRRIGATION CONTROL VALVE SPOT GRADE TEST PIT PROPOSED SUBSURFACE INFILTRATION SYSTEM PROPOSED FILTERMITT TYPICAL PROPOSED FLARED END INVERT TOP OF WALL BOTTOM OF WALL	99x5 99x5 99 PS PW PD 	RETAINING WALL DETECTABLE W/ PROPOSED SPO PROPOSED CON PROPOSED RET. TREE PROPOSED LIMIT OF RIVERF PROPOSED SEW PROPOSED WAT PROPOSED DRA PROPOSED SWA PROPOSED FLO	L ARNING PAD TT GRADE ITOUR AINING WALL D TO BE REMOVED FRONT AREA /ER SERVICE TER SERVICE IN LINE ALE W ARROW		<b>TRIOT</b> Engineering	FORD STREET, SUITE 4	726-2654 atriot-eng com	
SITE	PROJECT S E AREA MBER OF HOUSING UNITS	SUMMARY 47 5	7,085 S.F. 0 UNITS			PA	35 BEDF	T: (978)	
BUI	PERCENT C	OVERAGE	53%	-					
USE	EABLE OPEN SPACE		46%	-		Z			
PAR	RKING AND PAVED AREA		1%	-		PL∧			
UN-	USEABLE OPEN SPACE		0%	-		AGE			<u>о</u>
	TOTAL COVERA	GE	100%			AIA	MA		۔ :
	PARKING S	SUMMARY		-		⊒ ZR,	Ň,	FOR FOR	\VE
PAF	TAL PARKING SPACES: RKING RATIO (SPACES PER UNIT)	53	SPACES			NG AND LOCATED	SLINGTO	PREPARED	MASS A
	PROPOSED WALLS SHOWI BE DESIGNED	RETAINII N HEREC 9 BY OTH	NG N TO ERS			SITE GRADII	A		1025

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PERMITTING SET

![](_page_6_Figure_0.jpeg)

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NOTES					-	- - -		-2022	21-3
1. UNDERGRO AND COMP APPROXIM BEEN PROV	DUND UTILITIES SHOWN ARE FRO ILED FROM AVAILABLE RECORD ATE ONLY. AS OF THE DATE OF VIDED BY ELECTRIC AND GAS PR	OM OBSERVED S PLANS OF UTILI THIS SURVEY, NO ROVIDERS. BEFC	URFACE INDICATIONS, SUBSURFACE INDICATION Y COMPANIES AND PUBLIC AGENCIES AND ARE INFORMATION REGARDING RECORD UTILITIES F RE CONSTRUCTION CALL "DIG SAFE" 811.	S, IAS			ACHUS	: 09-19-	ECT No:
2. THE HORIZONTAL DATUM I IS THE MASSACHUSETTS COORDINATE SYSTEM (NAD83), THE VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), DATUMS WERE ESTABLISHED USING RTK GPS METHODS.								DATE	PROJ
3. THE POSITI ANY USE O OR DIMENS	IONAL ACCURACY OF THE DATA OF ELECTRONIC DATA CONTAINE SIONS NOT SHOWN ON THE PLAN	AND PHYSICAL II D IN AUTOCAD V I IS NOT AUTHOF	MPROVEMENTS ON THIS PLAN MAY BE APPROXIN ERSIONS OF THIS PLAN TO GENERATE COORDIN, IZED.	IATE. ATES	N N	AVEN	۱, M⊿	_	
4. EDGE OF B ON OCTOBI O'CONNELL	ANK-MEAN ANNUAL HIGH WATEF ER 15, 2021 AND WAS LOCATED _ & ASSOCIATES.	R LINE WAS DELI IN THE FIELD BY	NEATED BY LEC ENVIRONMENTAL CONSULTANTS TOTAL STATION METHODS ON THE SAME DAY BY	, INC. RJ	2, 107 2	× - 2	GTON		ЗҮ:
<ol> <li>CONTOUR I</li> <li>ALL EXISTII</li> </ol>	INTERVAL IS TWO FOOT (2'). NG UTILITIES ARE REQUIRED TO	BE CUT AND CA	PPED AT THE EXISTING MAIN CONNECTIONS.				RLIN	WN B	CKED I
UTILITY N	OTES:				-		4	DRA	CHE
1. ALL EXISTI	NG UTILITIES ARE REQUIRED TO	BE CUT AND CA	PPED AT THE EXISTING MAIN CONNECTIONS.			NTS	N CUT	AMENTS	
INCHES VEI	RTICALLY (WATER OVER SEWER					VIME	DING	N CON	
HORIZONTA FUNCTION	ALLY) TO CONFIRM ALL PROPOS AS DESIGNED.	ED UTILITY CON	ECTIONS WILL MEET ALL TOWN REQUIREMENTS	AND	REVISIONS	8Y DESCRIPT BJ PEER REVIEW CO	BJ UPDATED BL JIN ADDRESS COMMEN ^T	BJ ZBA AND CONSERVATI	
	LEGEN	ND					¬ Σ	۲ ۲	
(NOT	TALL FEATURES CONTAINED IN	THIS LEGEND AP	PEAR ON THE PLAN)			ATE 23/23	22/23	4-202	
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÷	LIGHT POLE	VGC	VERTICAL GRANITE CURB						
	ELECTRIC HAND HOLE	RCR	BITUMINOUS CONCRETE CURB			S			ļ
C		HC	HANDICAP			$\widetilde{\mathbf{O}}$			ļ
(5)	SEWER MANHOLE	HPDE	HIGH DENSITY POLYETHYLENE			D,	-		
$\bigcirc$	DRAIN MANHOLE	CONC.	CONCRETE			·E	42C		
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×	WATER VALVE	$\mathbf{\nabla}$	DOOR				4 ITS		
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	SEWER SERVIC		TY (HALF FULL):				RL 1D		Ľ∩
	6" PVC PIPE @	<u>م</u> 2% = 0.4	D CFS			7	<b>ح</b> کے		21

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PERMITTING SET

- SEWER SERVICE CAPCATITY (HALF FULL): 6" PVC PIPE @ 2% = 0.46 CFS
- SEWER MAIN CAPCATITY (HALF FULL): 12" PVC PIPE @ 0.95% = 2.06 CFS

![](_page_7_Figure_0.jpeg)

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1. UNDER AND CO APPRO BEEN P	GROUND UTILITIES SHOWN ARE FR DMPILED FROM AVAILABLE RECORE XIMATE ONLY. AS OF THE DATE OF ROVIDED BY ELECTRIC AND GAS PI	OM OBSERVED S PLANS OF UTILIT THIS SURVEY, NO ROVIDERS. BEFO	URFACE INDICATIONS, SUBSURFA Y COMPANIES AND PUBLIC AGEN INFORMATION REGARDING RECO RE CONSTRUCTION CALL "DIG SA	CE INDICATIONS, CIES AND ARE DRD UTILITIES HAS FE" 811.	CHUSE	 ) - -	CHUSE	09-19-21 CT No: 2
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ANY US OR DIM 4. EDGE C	E OF ELECTRONIC DATA CONTAINE ENSIONS NOT SHOWN ON THE PLA OF BANK-MEAN ANNUAL HIGH WATE	MA	AVEN	Δ Δ Γ				
	ON OCTOBER 15, 2021 AND WAS LOCATED IN THE FIELD BY TOTAL STATION METHODS ON THE SAME DAY BY RJ O'CONNELL & ASSOCIATES.							
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P315		•	PROPOSED RETAINING WALL			G		
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<u> Zananan</u>						$\sum$	IASS 654	eng.o
Pier	ce. Turning F	Performanc	e Analysis	03/16/2018		Ķ	RD S N, V 26-2	iot-e
Number: 37		Chassis: Arrow X	T Chassis, PAP/Midmount			L	EDFO IGTC 78) 7	
artment: Ar	RLINGTON FIRE DEPARTMENT, MA	Body: Aerial, P	latform, 95', Mid-Mount, No Pump, S/S	Body			5 BE EXIN · (97	
	and a second s	Inside Cra	ers: Imp Angle:	40°	1.		ωΠΗ	. 5
	and a second	Axle Trac Wheel Of	k: iset:	82.92 in 5.25 in				<u>.</u>
nal Bumper Depth	Axle Track	Tread Wie Chassis C	lth: overhang:	17.5 in. 68.99 in.				-
Overhang	Wheel Offset Cramp Angle	Additional Front Ove	Bumper Depth: rhang:	7 in. 75.99 in.				
	Tread Width	Calculat		261.5 in.				
		Inside Tur	n: 24	ft. 10 in.				
150	H 3176 M	Curb to cu Wall to wa	rb: 40 II: 44	) ft. 7 in. I ft. 2 in.	_	7		
	and to Curro Full Turning	Comment	e'		<	ξ		
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, Front ront	0091794 Wheels 0582746 Tires, F	, Front, 22.50" x 13.( ront, Goodvear, G29	10", Steel, Hub Pilot 6 MSA 445/65822 50 20 ply			י <b>ר</b> ו י ר	AD AD	ے ا
rs )evices	0550026 Bumper 0592911 April 0	, Non-Extended, Arri 15' Pierce PAP Min	ow XT Aount				へん	)2 <u>(</u>
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nside cramp a	ngle may be less due to highly specialize	d options.			ן נ			
Curb turning n	adius calculated for 9.00 inch curb.							
r info and	TURNING PERFROMANCE PROVIDE	D BY ARLINGTON	FIRE DEPARTMENT)					
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