

GENERAL UTILITY NOTES:

1. TOPOGRAPHIC INFORMATION IS AS SHOWN ON A PLAN TITLED "UTILITY SITE PLAN LOCATED AT 17 KENSINGTON AVENUE, SOMERVILLE, MA" PREPARED BY BOSTON SURVEY, INC. (BSI) DATED APRIL 24, 2023. TOPOGRAPHY IS REFERENCED TO THE CITY OF SOMERVILLE DATUM, SEE BSI NOTE ABOVE. IN ORDER TO CONVERT ELEVATIONS TO NAVD88 ADD 6.20 FT TO THE SPOT.
2. ALL UTILITY WORK MUST COMPLY WITH LOCAL, STATE, AND FEDERAL REGULATIONS, AS WELL AS UTILITY PROVIDER SPECIFICATIONS.
3. EXISTING UTILITIES SHOWN ARE THE RESULT OF AN ACTUAL INSTRUMENT SURVEY PERFORMED BY BSI. SEE NOTE ABOVE.
4. ALL UTILITIES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE IF EXISTING CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN THAT WILL PREVENT THE PROPOSED WORK FROM BEING COMPLETED AS INTENDED.
5. IF DURING CONSTRUCTION A CONFLICT SHOULD ARISE BETWEEN AN EXISTING UTILITY AND PROPOSED WORK THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING FOR RESOLUTION OF THE CONFLICT.
6. CONTRACTOR TO CALL DIGSAFE PRIOR TO CONSTRUCTION (411), TO UPDATE TICKET AND/OR VERIFY TICKET VALIDATION. DIGSAFE TICKET IS VALID 30 DAYS FROM THE DATE OF ISSUE. BEYOND THIS POINT, TICKETS ARE VALID INDEFINITELY, PROVIDED THAT 1) THE MARKS ARE MAINTAINED, AND 2) THE WORK IS CONTINUOUS.
7. ALL PROPOSED DRAIN PIPES ARE TO BE HDPE OR APPROVED EQUIVALENT UNLESS OTHERWISE SPECIFIED.
8. THE INSTALLATION OF DRAINAGE STRUCTURES, ESPECIALLY THE HDPE PIPE AND UNDERGROUND DETENTION SYSTEM, SHALL ADHERE STRICTLY TO THE MANUFACTURERS INSTALLATION REQUIREMENTS TO MEET AASHTO LOADING REQUIREMENTS.
9. WHEREVER FEASIBLE, SEWERS WILL BE LAID AT A MINIMUM OF 10 FEET, HORIZONTALLY, FROM ANY EXISTING OR PROPOSED WATER MAIN. SHOULD LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF 10 FEET TO A WATER MAIN THE SEWER MAIN WILL BE LAID IN A SEPARATE TRENCH AND THE ELEVATION OF THE CROWN OF THE SEWER PLACED AT LEAST 18 INCHES BELOW THE INVERT OF THE WATER MAIN. WHENEVER SEWERS MUST CROSS UNDER WATER MAINS, THE SEWER SHALL BE LAID AT SUCH AN ELEVATION THAT THE CROWN OF THE SEWER IS AT LEAST 18 INCHES BELOW THE WATER MAIN. WHEN IT IS IMPOSSIBLE TO OBTAIN HORIZONTAL OR VERTICAL SEPARATION AS STIPULATED ABOVE, BOTH THE WATER MAIN AND SEWER SHOULD BE ENCASED IN CONCRETE FOR 10 FEET EITHER SIDE OF THE CROSSING.
10. THE APPLICANT SHALL COORDINATE WITH THE SOMERVILLE WATER DEPARTMENT TO ENSURE PROPER DOMESTIC AND FIRE FLOWS PRIOR TO BUILDING PERMIT.
11. EXISTING & PROPOSED CATCH BASINS ARE TO BE FITTED WITH SILT SACKS OR APPROVED EQUAL WHEN INSTALLED AND REMOVED AFTER FINAL PAVEMENT COURSE IS LAID.
13. EROSION AND SEDIMENT CONTROLS MUST REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE STABILIZED IF APPLICABLE.
14. UTILITIES ARE TO BE INSTALLED WITH MINIMUM COVER DEPTHS AS SPECIFIED IN THE PROJECT DETAILS AND LOCAL CODES.
15. TRENCH EXCAVATION, BEDDING, AND BACKFILL MATERIALS MUST COMPLY WITH PROJECT SPECIFICATIONS. COMPACTION MUST BE VERIFIED BY AN APPROVED TESTING AGENCY.

WATER SERVICE NOTES:

1. "WATER LINES AND CONNECTIONS SHALL BE INSTALLED PER LOCAL WATER DEPARTMENT STANDARDS AND IN COMPLIANCE WITH 248 CMR 10.00: UNIFORM STATE PLUMBING CODE."
2. WATER SERVICE MATERIALS, FITTINGS, AND APPURTENANCES MUST MEET AWWA AND PROJECT SPECIFICATIONS.
3. INSTALL BACKFLOW PREVENTION DEVICES AS REQUIRED.
4. CONTRACTOR MUST TEST AND DISINFECT WATER LINES PRIOR TO CONNECTION TO THE MUNICIPAL SYSTEM. TESTING MUST COMPLY WITH LOCAL CODES AND AWWA STANDARDS.
5. ALL WATER METERS SHALL BE INSTALLED PER UTILITY PROVIDER REQUIREMENTS.

SANITARY SEWER NOTES:

1. INSTALL ALL SANITARY SEWER LINES PER LOCAL SEWER AUTHORITY STANDARDS. MINIMUM SLOPE AND PIPE DIAMETER MUST MEET LOCAL CODE AND PROJECT DESIGN SPECIFICATIONS.
2. ALL SEWER MANHOLES, CLEANOUTS, AND LATERAL CONNECTIONS MUST BE INSTALLED AS SHOWN ON THE PLAN.
3. CONTRACTOR SHALL CONDUCT A PRESSURE TEST AND/OR AIR TEST FOR ALL SEWER LINES BEFORE ACCEPTANCE BY THE OWNER OR UTILITY AUTHORITY.
4. MAINTAIN SEPARATION DISTANCES BETWEEN WATER AND SEWER LINES AS REQUIRED BY CODE.

ELECTRIC, GAS, AND COMMUNICATION UTILITY NOTES:

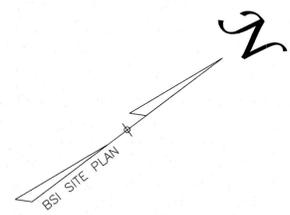
1. ELECTRIC, GAS, AND COMMUNICATION LINES MUST BE INSTALLED UNDERGROUND UNLESS OTHERWISE SPECIFIED.
2. COORDINATE INSTALLATION WITH THE RESPECTIVE UTILITY COMPANIES TO ENSURE PROPER CONNECTIONS.
3. PROVIDE MINIMUM HORIZONTAL AND VERTICAL CLEARANCES BETWEEN UTILITIES AS REQUIRED BY LOCAL AND NATIONAL STANDARDS.
4. TRANSFORMER PADS, UTILITY VAULTS, AND OTHER STRUCTURES MUST BE INSTALLED AS SHOWN ON THE PLANS AND MEET UTILITY PROVIDER SPECIFICATIONS.
5. ALL UTILITY TRENCHES MUST BE RESTORED IN COMPLIANCE WITH LOCAL ROADWAY RESTORATION REQUIREMENTS.
6. UNDERGROUND TRANSFORMER VAULT SHOWN IS APPROXIMATE. ACTUAL DIMENSION TO BE PROVIDED BY UTILITY COMPANY. CLEARANCE REQUIREMENTS (MINIMUMS, PER NATIONAL GRID STANDARDS):

INSPECTION AND TESTING NOTES:

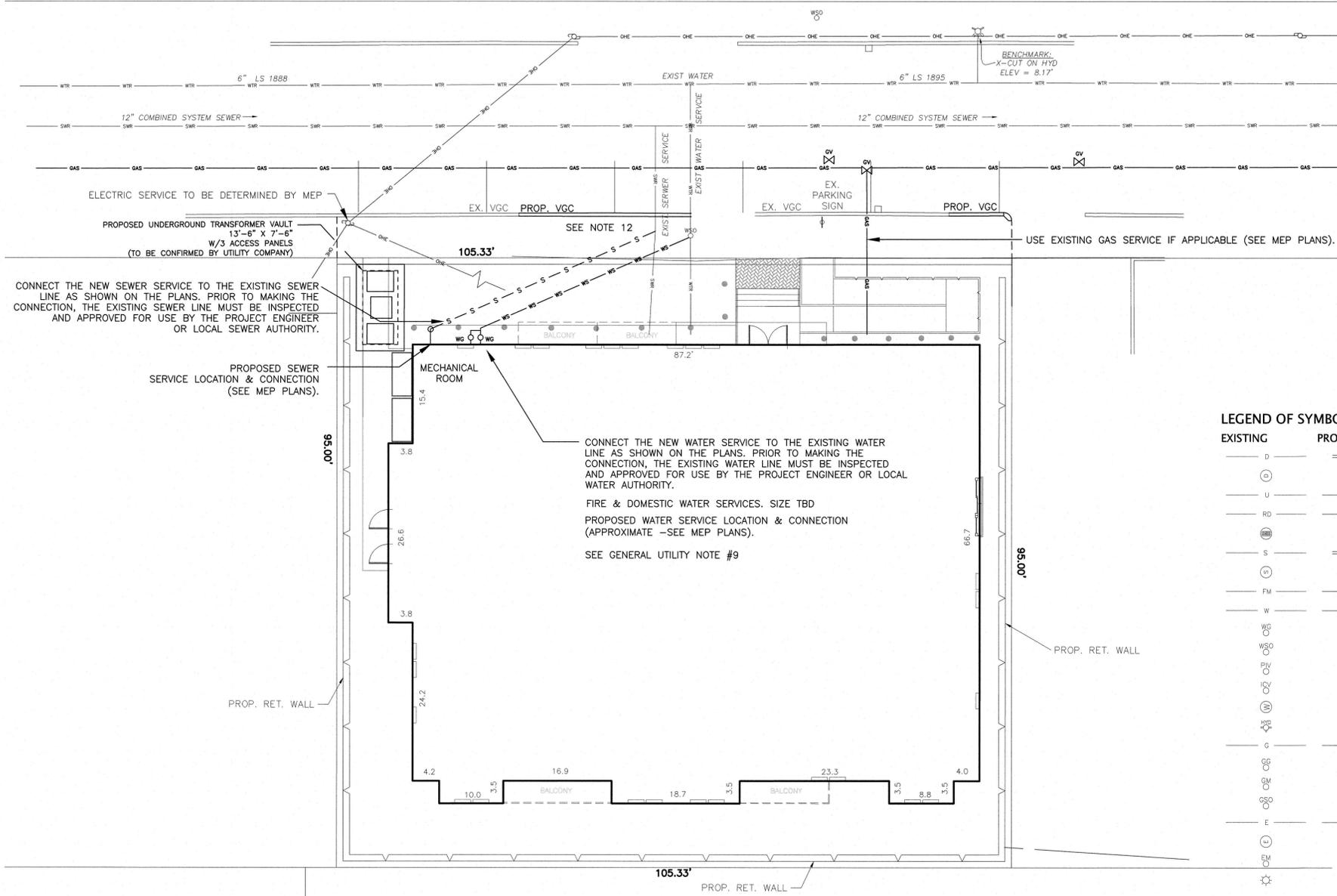
1. NOTIFY THE ENGINEER AND UTILITY PROVIDERS AT LEAST 48 HOURS BEFORE SCHEDULED INSPECTIONS OR TESTING.
2. PROVIDE AS-BUILT INFORMATION SHOWING THE ACTUAL LOCATION AND DEPTH OF ALL UTILITIES AFTER INSTALLATION.

FILL AND BACKFILL NOTES:

1. ALL UNSUITABLE FILL MATERIALS AROUND THE FOUNDATION AND THROUGHOUT THE SITE MUST BE REMOVED AND DISPOSED OF AT AN APPROVED OFFSITE LOCATION.
2. EXCAVATION AND REMOVAL OF EXISTING FILL SHALL EXTEND TO THE DEPTH REQUIRED TO REACH SUITABLE NATIVE SOIL OR AS DIRECTED BY THE PROJECT ENGINEER.
3. BACKFILL MATERIAL MUST BE CLEAN, FREE OF ORGANIC MATTER, DEBRIS, AND ANY DELETERIOUS SUBSTANCES. IT SHALL MEET THE REQUIREMENTS OF THE APPROVED FILL MATERIAL SPECIFIED IN THE PROJECT DETAILS.
4. APPROVED FILL MATERIAL MUST BE COMPACTED IN LIFTS NOT EXCEEDING 8 INCHES (OR AS SPECIFIED BY THE GEOTECHNICAL REPORT) AND COMPACTED TO THE REQUIRED DENSITY AS DETERMINED BY ASTM STANDARDS OR LOCAL REGULATIONS.
5. FOUNDATION BACKFILL MUST CONSIST OF GRAVEL, CRUSHED STONE, OR OTHER GRANULAR MATERIAL AS SPECIFIED. IT MUST BE PLACED AND COMPACTED TO PROVIDE PROPER SUPPORT AND DRAINAGE.
6. ALL BACKFILLING AND COMPACTION OPERATIONS SHALL BE MONITORED AND TESTED BY A QUALIFIED GEOTECHNICAL ENGINEER OR APPROVED TESTING AGENCY.
7. ENSURE PROPER GRADING AND SLOPING AROUND THE FOUNDATION TO DIRECT SURFACE WATER AWAY FROM THE STRUCTURE. FOLLOW THE APPROVED DRAINAGE PLAN.
8. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ENGINEER FOR INSPECTION AND APPROVAL OF SUBGRADE CONDITIONS AND BACKFILL MATERIAL BEFORE PROCEEDING WITH PLACEMENT.



KENSINGTON AVENUE



LEGEND OF SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
D	D	DRAIN LINE
DM	DM	DRAIN MANHOLE
U	U	UNDERDRAIN
RD	RD	ROOF DRAIN
CB	CB	CATCH BASIN
S	S	SEWER LINE
SM	SM	SEWER MANHOLE
FM	FM	SEWER FORCE MAIN
W	W	WATER LINE
WG	WG	WATER GATE
WSO	WSO	WATER SHUTOFF
PV	PV	POST INDICATOR VALVE
ICV	ICV	IRRIGATION CONTROL VALVE
W	W	WELL
H	H	HYDRANT
G	G	GAS LINE
GG	GG	GAS GATE
GM	GM	GAS METER
GS	GS	GAS SHUTOFF
E	E	ELECTRIC LINE
EM	EM	ELECTRIC MANHOLE
EL	EL	ELECTRIC METER
L	L	LIGHT
T	T	TELEPHONE LINE
UP	UP	UTILITY POLE
TM	TM	TELEPHONE MANHOLE
M	M	MANHOLE
BOL	BOL	BOLLARD
→	→	SURFACE FLOW
A	A	SIGN
OHW	OHW	OVERHEAD WIRES
OHPP	OHPP	OVERHEAD POWER
EP	EP	EDGE OF PAVEMENT
SGC	SGC	SLOPED GRANITE CURB
VGC	VGC	VERTICAL GRANITE CURB

WILLIAMS & SPARAGES
 SUITE 101
 189 NORTH MAIN STREET
 WOBURN, MA 01801
 PHONE: (978) 539-8008
 FAX: (978) 539-8200
 WESINGENERS.COM

Owner/Applicant:
 Tiger Realty Trust
 151 Montvale Avenue
 Woburn, MA 01801

Designed By: PMB
 Drawn By: PMB
 Reviewed By: CPS
 Project Manager: PMB
 Project File No: SOMV-0028
 Drawing File Folder: SOMV28

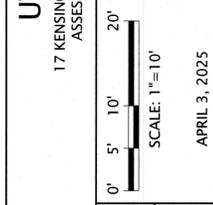
Drawing Issued for Review
 Drawing Issued for Permit
 Drawing Issued for Construction



SEAL

12	11	10	9	8	7
6	5	4	3	2	1

UTILITY PLAN
 17 KENSINGTON AVENUE, SOMERVILLE, MA
 ASSESSOR'S PROPERTY ID: 77/D/5



DRAWING: C5.1
 SHEET 5 OF 8
 APRIL 3, 2025