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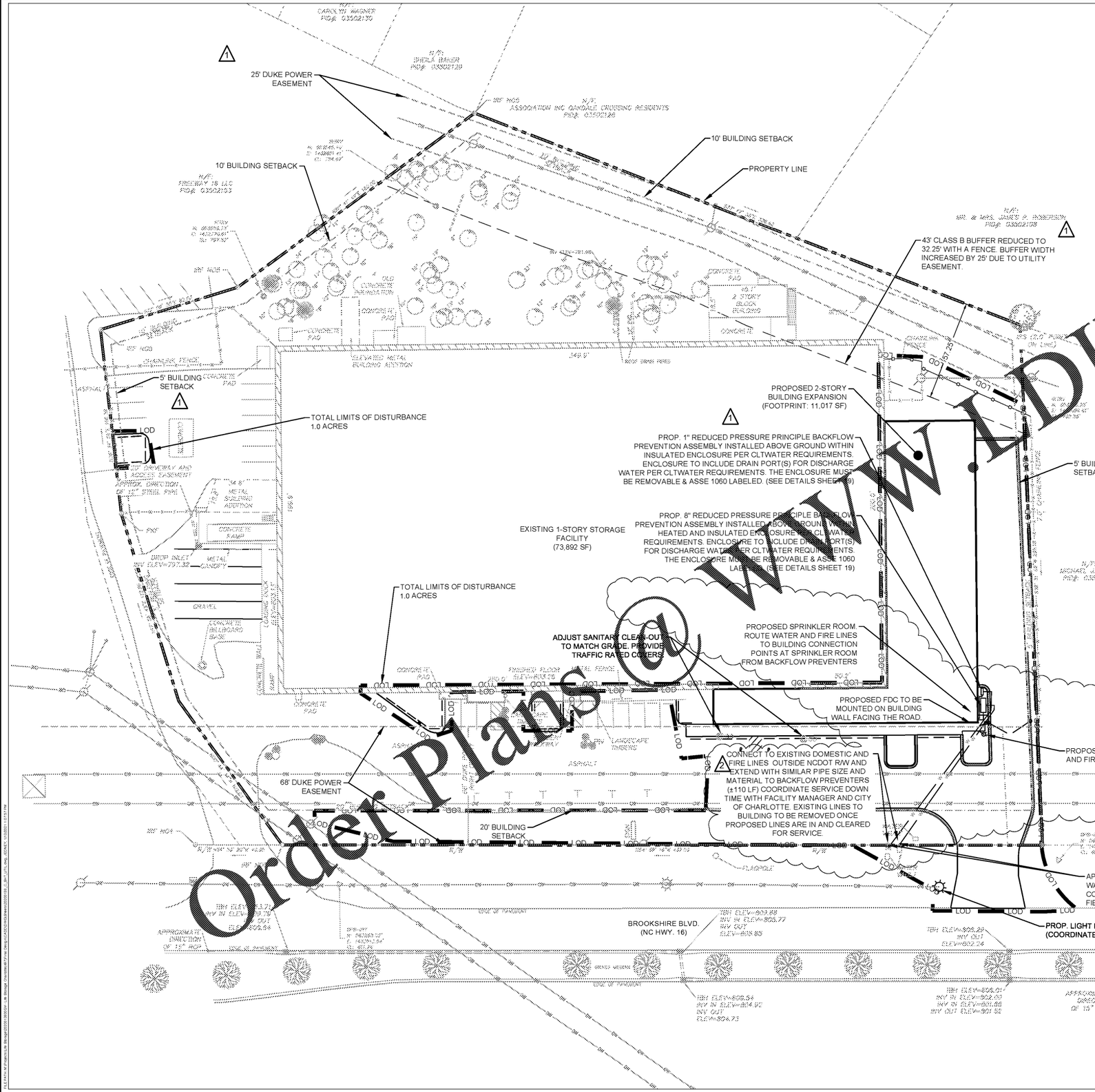

NOTES:

1. REFER TO SHEET 2 AND 3 FOR GENERAL NOTES AND LEGEND.
2. ALL UTILITY BOXES, MANHOLES,VALVES, METER BOXES, INLETS, AND ANY OTHER UTILITY STRUCTURES SHALL BE FIELD ADJUSTED TO MATCH FINISHED GRADE.
3. ALL WATER LINES SHALL BE INSTALLED ACCORDING TO CITY OF CHARLOTTE WATER SYSTEM GUIDELINES AND SPECIFICATIONS, LATEST REVISION.
4. ALL SHORING SHALL BE IN ACCORDANCE TO OSHA TRENCHING STANDARDS PART 1926, SUBPART P, AS AMENDED TO DATE.
5. CONTRACTOR TO PROVIDE THE UTILITY PROVIDER WITH A MINIMUM OF FORTY-EIGHT (48) HOUR NOTICE PRIOR TO PERFORMING ANY WORK ON THE PROJECT.
6. ARCHITECT TO ENSURE LATERALS ARE REVIEWED WITH BUILDING STANDARDS SUBMITTAL.
7. NO UTILITY CONNECTIONS SHALL BE MADE WITHOUT COORDINATION WITH THE UTILITY PROVIDER, CONTRACTOR SHALL COORDINATE SERVICE CUTTING WITH THE UTILITY PROVIDER.
8. PRIOR TO BEGINNING CONSTRUCTION REVIEW THIS PLAN AND NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
9. PVC PIPING SHALL BE INSTALLED WITH APPROVED COPPER TRACER WIRE.
10. ALL SEWER CLEANOUT, VALVE COVERS, AND METER BOXES SHALL BE TRAFFIC RATED COVERS.

BACKFLOW PREVENTER NOTES:

1. THE INSTALLATION LOCATION OF ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE IN AN AREA THAT PROVIDES A SAFE WORKING ENVIRONMENT FOR TESTING AND MAINTENANCE. THIS AREA SHALL BE READILY ACCESSIBLE, AWAY FROM ELECTRICAL HAZARDS AND FREE FROM DIRT. THE LOCATION MUST MEET REQUIREMENTS OF ALL LOCAL AUTHORITIES I.E. FIRE, PLANNING, ZONING, CITY DEPARTMENT OF TRANSPORTATION (CDOT) OR NORTH CAROLINA DEPARTMENT OF TRANSPORTATION.
2. THERE SHALL BE NO TAPS, PIPING BRANCHES, UNAPPROVED BYPASS PIPING, HYDRANT, FIRE DEPARTMENT CONNECTION POINTS, OR OTHER WATER USING APPURTENANCES CONNECTED TO THE SUPPLY LINE BETWEEN ANY WATER METER AND ITS CHARLOTTE WATER-REQUIRED BACKFLOW PREVENTER.
3. EACH CHARLOTTE WATER-REQUIRED BPA TO BE TESTED BY A CLT WATER-APPROVED CERTIFIED TESTER PRIOR TO PLACING THE WATER SYSTEM IN SERVICE.
4. ELECTRICAL ENGINEER SHALL PROVIDE ELECTRICAL SERVICE LINE TO HEATED FIRE SERVICE BACKFLOW PREVENTION ASSEMBLY ENCLOSURE.
5. WATER / IRRIGATION LINE(S) - REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLIES (RP) SHALL BE INSTALLED ABOVE GROUND WITHIN INSULATED ENCLOSURES AND OUTSIDE ZONING SETBACK AREAS PER CHARLOTTE WATER REQUIREMENTS. ENCLOSURE TO INCLUDE DRAIN PORTS FOR DISCHARGE WATER PER CHARLOTTE WATER REQUIREMENTS.
6. FIRE LINE- REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLIES (RP) SHALL BE INSTALLED ABOVE GROUND WITHIN A HEATED INSULATED ENCLOSURE AND OUTSIDE ZONING SETBACK AREAS PER CHARLOTTE WATER REQUIREMENTS. ENCLOSURE TO INCLUDE DRAIN PORTS FOR DISCHARGE WATER PER CHARLOTTE WATER REQUIREMENTS. MEP TO SUPPLY POWER FOR HEATED ENCLOSURE.
7. REDUCED PRESSURE PRINCIPLE ASSEMBLIES (RP) MUST CONFORM TO CHARLOTTE WATER SPECIFICATIONS. REFER TO CHARLOTTE WATER APPROVED LIST OF BPA'S.
8. THE MINIMUM HEIGHT FROM THE RELIEF PORT TO THE GROUND SHALL BE 12" AND THE MAXIMUM HEIGHT SHALL BE 30".
9. THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS INFORMATION, NORTH CAROLINA STATE BUILDING CODE VOL. II AND CHARLOTTE WATER.

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PRELIMINARY DRAWINGS - NOT FOR CONSTRUCTION

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 032407 ENGINEER JEFFREY H. EDNEY
PROFESSIONAL SEAL

REVISION RECORD

NO	DATE	DESCRIPTION	BY
1	09/09/2020	REVISIONS PER CITY OF CHARLOTTE & DUKE ENERGY COMMENTS	BAD
2	01/04/2021	REVISIONS PER NCDOT & DUKE ENERGY COMMENTS	

PROJECT NAME:
LIFE STORAGE #497 - CHARLOTTE SITE IMPROVEMENTS
5800 BROOKSHIRE BLVD., CHARLOTTE, NORTH CAROLINA 28216
FOR
LIFE STORAGE, INC.
CITY OF CHARLOTTE, NORTH CAROLINA

DRAWING TITLE: UTILITY PLAN

PROJ. MGR.:	JHE
DESIGN BY:	MDJ
DRAWN BY:	BAD
PROJ. DATE:	MAY 2020

DRAWING NUMBER:
12 OF 19
WKD PROJ. NO.:
20200138.00.GV