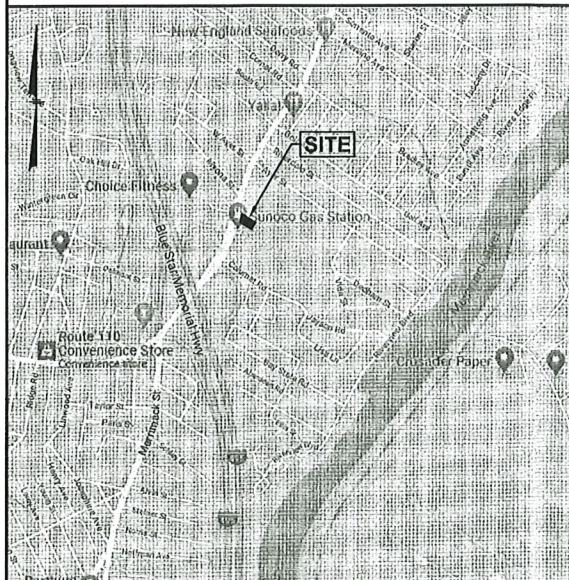


Prepared for:
WAN YAN, LLC
53 MAYFLOWER DRIVE
NORTH ANDOVER, MA 01845

YE'S TABLE ASIAN CUISINE

125 MERRIMACK STREET



LOCATION MAP
(NOT TO SCALE)

Prepared for:
WAN YAN, LLC
53 MAYFLOWER DRIVE
NORTH ANDOVER, MA 01845

1. TITLE SHEET
2. EXISTING CONDITIONS PLAN
3. DEMOLITION PLAN
4. SITE PLAN
5. GRADING & DRAINAGE PLAN
6. UTILITY PLAN
7. EROSION & SEDIMENT CONTROL PLAN
8. LANDSCAPE PLAN
9. DETAIL SHEET
10. DETAIL SHEET
11. DETAIL SHEET
- 1 OF 1. LIGHTING PLAN (BY OTHERS)
- 1 OF 1. FLOOR PLAN & ELEVATIONS (BY OTHERS)

REVISIONS		
NO.	REVISION	DATE

APRIL 7, 2021	
DRAWN/DESIGN BY CCC/DRJ	CHECKED BY DRJ

TITLE SHEET

SCALE: 1"=20'

PROJECT NO.
NEX-2020159

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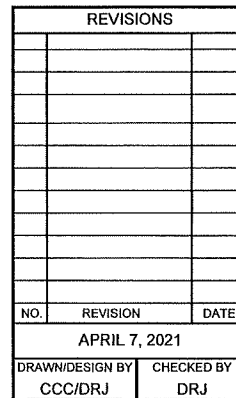


PARCEL ID: 1113-109W-19

**125 MERRIMACK STREET
METHUEN, MA 01844**

PREPARED FOR
WAN YAN, LLC
53 MAYFLOWER DRIVE
NORTH ANDOVER, MA 01845

PARCEL ID: 1113-109W-19
125 MERRIMACK STREET
METHUEN, MA 01844

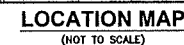


EXISTING
CONDITIONS
PLAN

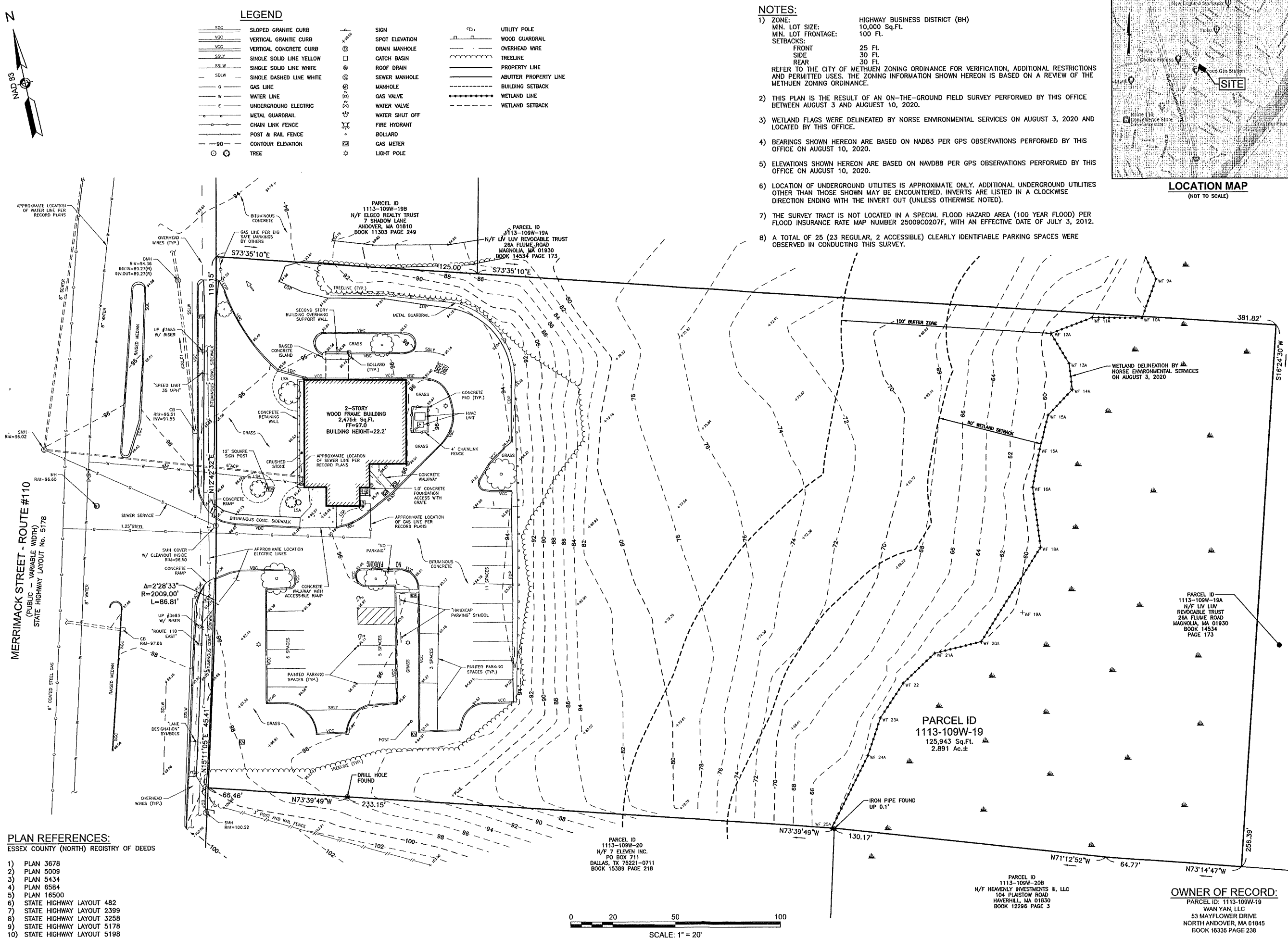
SCALE: 1"=20'

PROJECT NO. NEX-2020159

2 OF 11



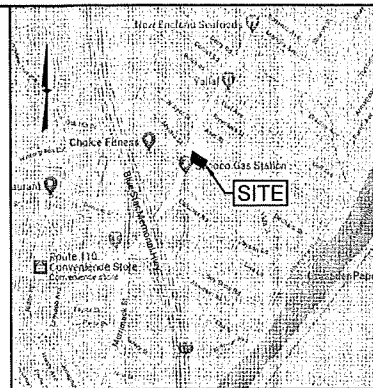
- ## NOTES:
- 1) ZONE: HIGHWAY BUSINESS DISTRICT (BH)
MIN. LOT SIZE: 10,000 Sq.Ft.
MIN. LOT FRONTAGE: 100 Ft.
SETBACKS:
FRONT 25 Ft.
SIDE 30 Ft.
REAR 30 Ft.
REFER TO THE CITY OF METHUEN ZONING ORDINANCE FOR VERIFICATION, ADDITIONAL RESTRICTIONS AND PERMITTED USES. THE ZONING INFORMATION SHOWN HEREON IS BASED ON A REVIEW OF THE METHUEN ZONING ORDINANCE.
 - 2) THIS PLAN IS THE RESULT OF AN ON-THE-GROUND FIELD SURVEY PERFORMED BY THIS OFFICE BETWEEN AUGUST 3 AND AUGUST 10, 2020.
 - 3) WETLAND FLAGS WERE DELINEATED BY NORSE ENVIRONMENTAL SERVICES ON AUGUST 3, 2020 AND LOCATED BY THIS OFFICE.
 - 4) BEARINGS SHOWN HEREON ARE BASED ON NAD83 PER GPS OBSERVATIONS PERFORMED BY THIS OFFICE ON AUGUST 10, 2020.
 - 5) ELEVATIONS SHOWN HEREON ARE BASED ON NAVD88 PER GPS OBSERVATIONS PERFORMED BY THIS OFFICE ON AUGUST 10, 2020.
 - 6) LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE ONLY. ADDITIONAL UNDERGROUND UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED. INVERTS ARE LISTED IN A CLOCKWISE DIRECTION ENDING WITH THE INVERT OUT (UNLESS OTHERWISE NOTED).
 - 7) THE SURVEY TRACT IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA (100 YEAR FLOOD) PER FLOOD INSURANCE RATE MAP NUMBER 25009C0207F, WITH AN EFFECTIVE DATE OF JULY 3, 2012.
 - 8) A TOTAL OF 25 (23 REGULAR, 2 ACCESSIBLE) CLEARLY IDENTIFIABLE PARKING SPACES WERE OBSERVED IN CONDUCTING THIS SURVEY.



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NOTES:

- | | | |
|--|--|---|
| <p>1) A DEMOLITION PERMIT MUST BE OBTAINED FROM THE CITY OF METHUEN PRIOR TO COMMENCEMENT OF WORK. ALL EXISTING UTILITY DISCONNECTIONS MUST BE COORDINATED WITH RESPECTIVE UTILITY COMPANIES.</p> <p>2) ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN STRICT ADHERENCE TO ALL FEDERAL, STATE AND LOCAL REGULATIONS. CONTRACTOR TO INSTALL EROSION CONTROL DEVICES IN ACCORDANCE WITH GRADING & DRAINAGE PLAN PRIOR TO BEGINNING DEMOLITION ACTIVITIES.</p> <p>3) PROCEED WITH DEMOLITION IN A SYSTEMATIC MANNER, FROM THE TOP OF THE STRUCTURE(S) TO THE GROUND.</p> <p>4) DEMOLISH CONCRETE IN ALL SECTIONS</p> <p>5) BREAK UP CONCRETE SLABS-ON-GRADE, UNLESS OTHERWISE DIRECTED BY THE CONSTRUCTION MANAGER.</p> <p>6) CONDUCT ALL DEMOLITION OPERATIONS IN A MANNER THAT WILL PREVENT INJURY, DAMAGE TO STRUCTURES, ADJACENT BUILDINGS AND ALL PERSONS.</p> <p>7) REFRAIN FROM USING EXPLOSIVES WITHOUT PRIOR WRITTEN CONSENT OF THE DEVELOPER AND APPLICABLE GOVERNMENTAL AUTHORITIES.</p> <p>8) CONDUCT DEMOLITION SERVICES IN SUCH A MANNER TO INSURE MINIMUM INTERFERENCE WITH ADJACENT STREETS, WALKS AND OTHER OCCUPIED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED FACILITIES WITHOUT PRIOR WRITTEN PERMISSION OF THE DEVELOPER AND APPLICABLE GOVERNMENTAL AUTHORITIES. PROMOTE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY APPLICABLE GOVERNMENTAL REGULATIONS.</p> | <p>9) USE WATERING, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS, AS NECESSARY TO LIMIT THE AMOUNT OF DUST AND DIRT RISING AND SCATTERING IN THE AIR. CLEAN ADJACENT STRUCTURE, IMPROVEMENTS OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. RETURN ALL ADJACENT AREAS TO THE CONDITIONS EXISTING PRIOR TO THE START OF WORK.</p> <p>10) ACCOMPLISH AND PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE UNAUTHORIZED ENTRY OF PERSONS AT ANY TIME.</p> <p>11) COMPLETELY FILL BELOW GRADE AREAS AND VOIDS RESULTING FROM THE DEMOLITION OF STRUCTURES AND FOUNDATIONS WITH SOIL MATERIALS CONSISTING OF STONE, GRAVEL AND SAND, FREE FROM DEBRIS, TRASH, FROM MATERIALS, ROOTS AND OTHER ORGANIC MATERIAL. STONES USED WILL NOT BE LARGER THAN 6 INCHES IN DIMENSION. MATERIAL FROM DEMOLITION SHALL NOT BE USED AS FILL PRIOR TO PLACEMENT OF FILL MATERIALS. UNDERTAKE ALL NECESSARY ACTION IN ORDER TO INSURE THAT AREAS TO BE FILLED ARE FREE OF STANDING WATER, FROZEN MATERIAL, TRASH, DEBRIS, PLACE FILL MATERIALS TO NOT EXCEEDING 18 INCHES IN LOOSE DEPTH AND COMPACT EACH LAYER AT PLACEMENT TO 95% OPTIMUM DENSITY, GRADE SURFACE TO MEET ADJACENT CONTOURS AND TO PROVIDE SURFACE DRAINAGE.</p> <p>12) REMOVE FROM THE DESIGNATED SITE, AT THE EARLIEST POSSIBLE TIME, ALL DEBRIS RUBBISH, SALVAGEABLE AND HAZARDOUS AND TO COMBUSTIBLE SERVICES. REMOVED MATERIALS MAY NOT BE STORED, SOLD OR BURNED ON SITE. REMOVAL OF HAZARDOUS AND COMBUSTIBLE MATERIALS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PROCEDURES AS AUTHORIZED BY THE FIRE DEPARTMENT OR OTHER APPROPRIATE REGULATORY AGENCIES AND DEPARTMENTS.</p> | <p>13) DISCONNECT, SHUT OFF AND SEAL ALL UTILITIES SERVING THE STRUCTURE(S) TO BE DEMOLISHED BEFORE THE COMMENCEMENT OF THE DESIGNATED DEMOLITION. MARK FOR POSITIVE ALL UTILITY DRAINAGE AND SANITARY LINES AND PROTECT ALL ACTIVE UTILITIES. BEFORE THE COMMENCEMENT OF DEMOLITION SERVICES THE REQUIRED INTERRUPTION OF ACTIVE SYSTEMS THAT MAY AFFECT OTHER PARTIES, AND NOTIFY ALL APPLICABLE UTILITY COMPANIES TO INSURE THE CONTINUATION OF SERVICE.</p> <p>14) PROTECT EXISTING DRAINAGE SYSTEM(S) AS NECESSARY TO PREVENT SEDIMENT FROM ENTERING DURING CONSTRUCTION. SEE DETAIL SHEETS FOR EROSION CONTROL DEVICES.</p> <p>15) ALL WORK WITHIN ROADWAY RIGHT-OF-WAYS TO CONFORM TO CITY OF METHUEN AND MASSDOT STANDARDS.</p> <p>16) THE LIMITS OF WORK SHALL BE CLEARLY MARKED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION OR SITE CLEARING.</p> <p>17) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY DIG SAFE (DIAL 811) 72 HOURS PRIOR TO ANY EXCAVATION ON THIS SITE. CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER DEPARTMENT TO MARK OUT THEIR UTILITIES.</p> <p>18) NOTES ON THIS PLAN THAT READ "BIR" REPRESENT FEATURES TO BE REMOVED. ANY FEATURES NOT LABELED "BIR" OR "TO BE REMOVED" SHALL BE CONSIDERED EXISTING FEATURES.</p> <p>19) SEE LANDSCAPE PLAN FOR LIMITS OF CLEARING AND GRUBBING. AFTER CLEARING, STRIP AND STOCKPILE TOP SOIL PER LANDSCAPE PLAN, IF APPLICABLE.</p> |
|--|--|---|



LOCATION MAP
(NOT TO SCALE)

GPI | Engineering
Design
Planning
Construction Management

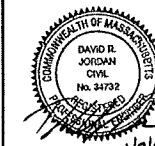
603.893.0720 GPI.NET.COM

Greenman-Pedersen, Inc.
44 Stiles Road, Suite One
Salem, NH 03079

PREPARED FOR
WAN YAN, LLC
53 MAYFLOWER DRIVE
NORTH ANDOVER, MA 01845

PARCEL ID: 1113-109W-19

125 MERRIMACK STREET
METHUEN, MA 01844



REVISIONS

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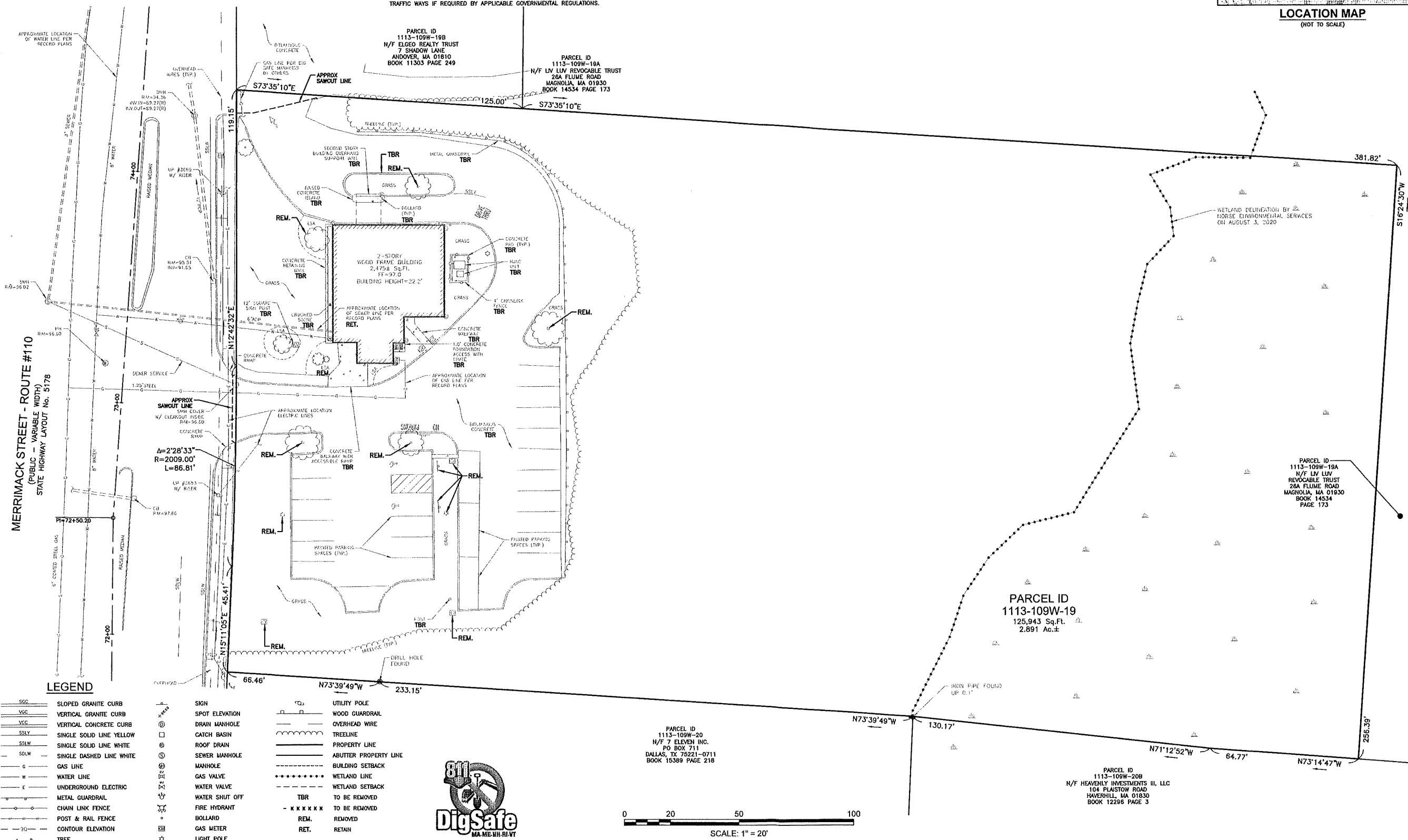
NO.	REVISION	DATE
APRIL 7, 2021		
DRAWN/DESIGN BY CCC/DRJ		CHECKED BY DRJ

DEMOLITION
PLAN

SCALE: 1"=20'

PROJECT NO.
NEX-2020159

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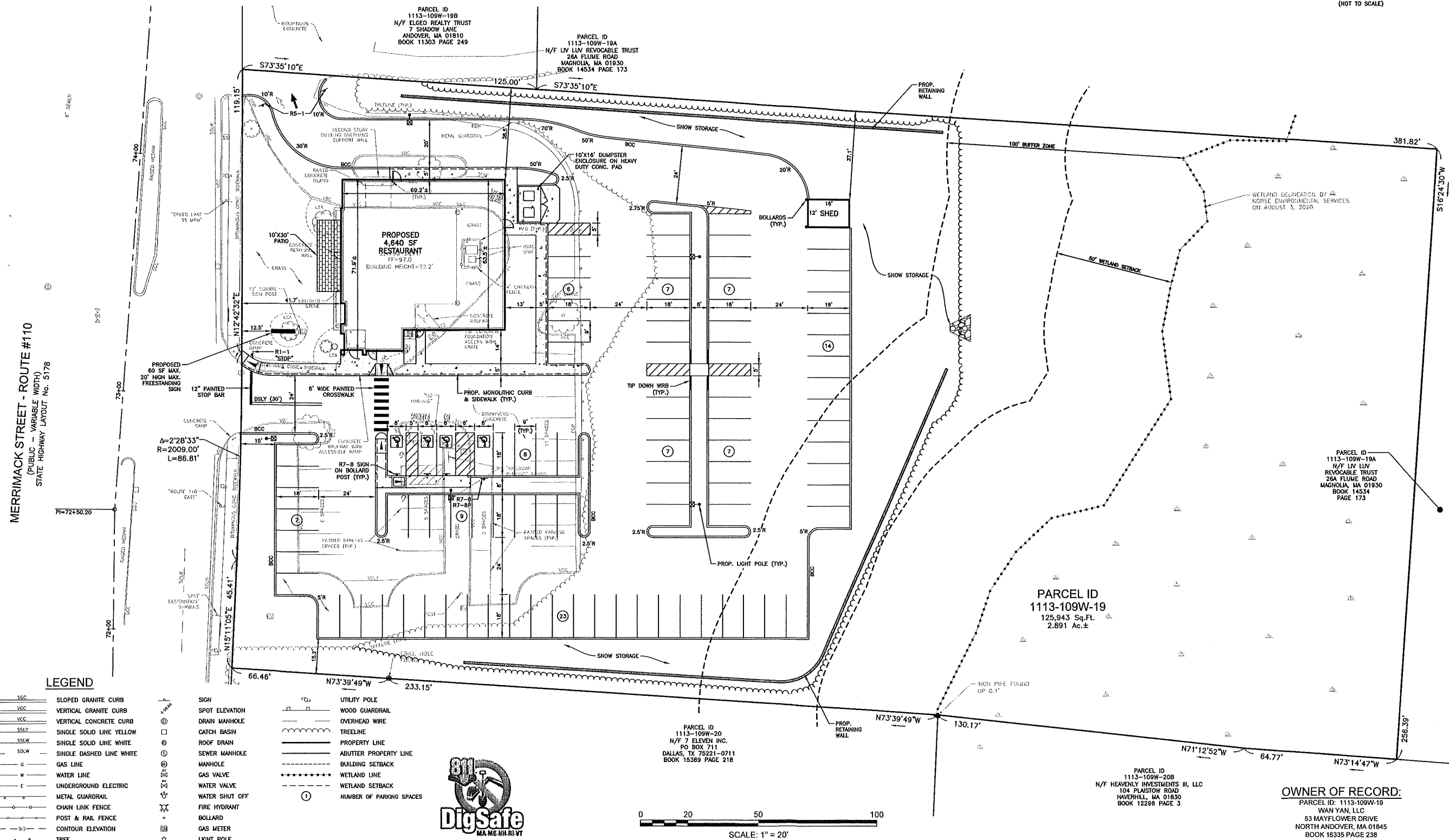
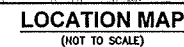
- 1) THE PURPOSE OF THIS PLAN IS TO SHOW THE REDEVELOPMENT OF THE PROPERTY AT 125 MERRIMACK STREET TO CONSTRUCT A 4,640 SF RESTAURANT.
- 2) FORMER USE: 2,475 SF BANK WITH 2,475 SF BASEMENT.
PROPOSED USE: PROPOSED 4,640 RESTAURANT WITH 2,475 SF BASEMENT.
- 3) ALL BUILDINGS AND SITE CONSTRUCTION SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AS REVISED IN 2010, OR LATEST REVISION.
- 4) THE LOCATIONS OF EXISTING SUBSURFACE UTILITIES SHOWN ON THIS PLAN WERE COMPILED FROM AVAILABLE RECORD DRAWINGS AND ARE NOT WARRANTED TO BE ACCURATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING SUBSURFACE UTILITIES PRIOR TO PERFORMING ANY WORK.
- 5) WRITTEN DIMENSIONS ON THIS PLAN TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN THE EVENT OF A CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWING AND/OR SPECIFICATIONS, THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR.
- 6) THE CONTRACTOR SHALL CALL AND COORDINATE WITH DISSAFE 1-888-344-7233 PRIOR TO ANY EXCAVATION.
- 7) ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE CITY OF METHUEN AND THE STATE OF MASSACHUSETTS.
- 8) THE SURVEY TRACT IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA (100 YEAR FLOOD) PER FEDERAL FLOODING RATE MAP NUMBER 250409C0207F, WITH AN EFFECTIVE DATE OF JULY 3, 2012.

- 9) THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY GREENMAN PEDERSEN INC., DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE PROJECT OR TO THE SAFETY OF THE CONTRACTOR'S EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE SURVEYOR AND/OR ENGINEER AS INCLUDED IN THE PLAN SET DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE AND/OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE U.S. DEPARTMENT OF LABOR, SAFETY AND HEALTH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.
- 10) ALL SNOW SHALL BE STORED IN THE AREA(S) DEPICTED ON THIS PLAN AS SNOW STORAGE AREAS. IN THE EVENT THAT THE AREA(S) APPROVED FOR SNOW STORAGE BECOME FULL, THE OWNER SHALL REASONABLY REMOVE EXCESS SNOW TO AN ADJACENT LOT, AND SHALL NOT ALLOW SNOW TO BE STORED WITHIN PARKING LOTS OR TRAVEL AREAS.
- 11) REFER TO DETAIL SHEETS FOR ALL SITE DEVELOPMENT DETAILS AND INFORMATION.
- 12) A SIGN PERMIT SHALL BE OBTAINED PRIOR TO INSTALLATION.
- 13) HOURS OF OPERATION:

MONDAY	–	THURSDAY	11:00 AM	–	10:00 PM
FRIDAY	–	SATURDAY	11:00 AM	–	12:00 AM
SUNDAY			12:00 PM	–	10:00 PM
- 14) SEE SPECIAL PERMIT ISSUED BY THE METHUEN ZONING BOARD OF APPEALS ON FEBRUARY 15, 2021, CASE NO. 2021-3, TO ALLOW RESTAURANT USE IN THE BARNBURY DISTRICT.

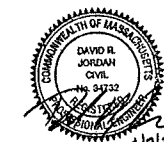
SIGN KEY		
SIGN I.D. NUMBER	TEXT/COLOR	SIZE/REMARKS
R1-1	 R/W	30" x 30" NEW SIGN WITH POST
R7-B	 G/B/W	12" x 18" NEW SIGN WITH POST
R7-BP	 G/W	12" x 6" NEW SIGN MOUNT W/R7-B
R5-1	 R/W	30" x 30" NEW SIGN WITH POST

ZONE: HIGHWAY BUSINESS (BH)		
DESCRIPTION	REQUIRED	PROVIDED
MINIMUM LOT AREA Sq. Ft.	10,000 SF	125,043 SF
MINIMUM LOT FRONTAGE	100'	251.37'
MINIMUM FRONT YARD BUILDING SETBACK	2.5'	41.27'
MINIMUM REAR YARD BUILDING SETBACK	30'	388.5'
MINIMUM SIDE YARD BUILDING SETBACK	30'	38.5'
MINIMUM FRONT YARD PARKING SETBACK	15'	15'
MINIMUM REAR YARD PARKING SETBACK	7.5'	N/A
MINIMUM SIDE YARD PARKING SETBACK	7.5' (ALSO 7.5' FROM BUILDINGS)	15.2'
MINIMUM ADDITIONAL BUFFER FROM RESIDENTIAL USE	30'	30'
PARKING SPACE DIMENSIONS	9' X 18'	9' X 18'
MINIMUM NUMBER PARKING SPACES	1 SPACE/2 EMPLOYEES X 20 EMP. = 10 SP. 1 SPACE/4SEATS X 147 SEATS = 37 SP. = 47 SPACES REQUIRED	95 SPACES (INCLUDES 4 ACCESSIBLE SPACES)
MAXIMUM BUILDING HEIGHT	40' (3 STORIES)	20' (1 STORY)
MAXIMUM LOT COVERAGE	35%	4,840 SF/125,043 SF = 3.7%
MAXIMUM FREESTANDING SIGN AREA, HEIGHT AND SETBACK	60 SF, 20' HIGH (ONE SIGN PER BUILDING) 12.5' MIN. SETBACK	60 SF, 20' HIGH, 12.5' SETBACK
MAXIMUM WALL SIGN AREA	33% OF WALL	NOT TO EXCEED 33% OF WALL



PARCEL ID: 1113-109W-19

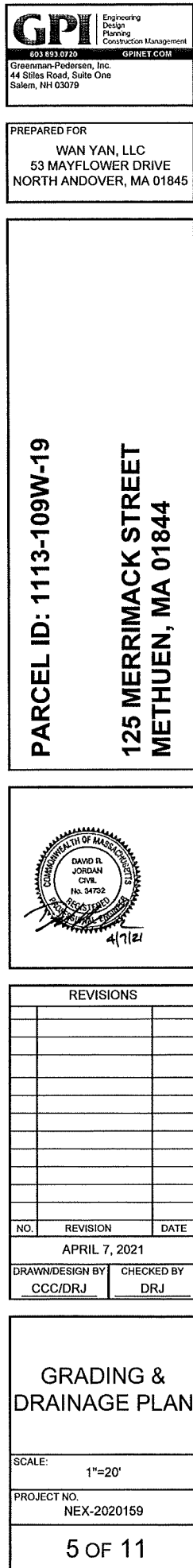
**1125 MERRIMACK STREET
METHUEN, MA 01844**

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SITE PLAN

SCALE: 1" = 20'

PROJECT NO. NEX-2020159



DRAINAGE PIPE SCHEDULE					
FROM: STRUCTURE NUMBER	PIPE SIZE (INCHES)	TYPE OF PIPE	APPROX. PIPE LENGTH (FEET)	SLOPE OF PIPE (FT./FT.)	TO: STRUCTURE NUMBER
CB-1	12	HDPE	108	0.008	DWH-1
CB-2	12	HDPE	95	0.016	DWH-3
CB-3	12	HDPE	11	0.010	DWH-3
CB-4	12	HDPE	21	0.049	DWH-5
CB-5	12	HDPE	47	0.010	DWH-5
CB-6	12	HDPE	58	0.010	DWH-5
CB-7	12	HDPE	55	0.010	DWH-5
CB-8	12	HDPE	39	0.033	DWH-6
CB-9	12	HDPE	44	0.010	DWH-6
CB-10	12	HDPE	29	0.010	DWH-6
DWH-1	12	HDPE	68	0.009	DWH-2
DWH-2	12	HDPE	67	0.012	U/G INF-1
DWH-3	12	HDPE	59	0.033	DWH-4
DWH-5	12	HDPE	15	0.010	DWH-4
DWH-6	12	HDPE	8	0.008	DWH-6
DWH-7	12	HDPE	16	0.094	FES-1
OCS-1	12	HDPE	44	0.073	DWH-7



SEWER PIPE SCHEDULE					
FROM: STRUCTURE NUMBER	PIPE SIZE (inches)	TYPE OF PIPE	APPROX. PIPE LENGTH (feet)	SLOPE OF PIPE (ft./ft.)	TO: STRUCTURE NUMBER
BLDG.	8	PVC	10	0.020	GR. TRAP
GR. TRAP	8	PVC	14	0.021	SMH-2
SMH-2	6	PVC	73	0.020	SMH-1

SEWER STRUCTURES

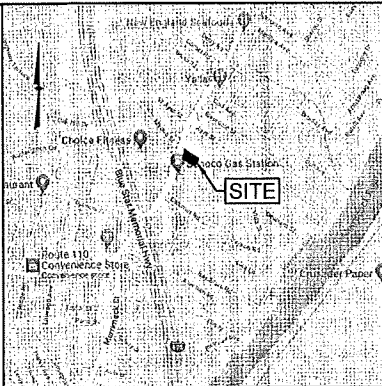
3,000 GAL. GREASE TRAP
R/W=WATCH FINISH GRADE
INV.IN=92.80
INV.OUT=92.55

SMH-1
R/W=96.50
INV.IN=90.70
INV.OUT=90.6± (EXIST. 6" SERVICE)

SMH-2
R/W=95.30
INV.IN=92.25
INV.OUT=92.15

NOTES:

- 4) ANY UTILITY FIELD ADJUSTMENTS SHALL BE APPROVED BY THE FIELD ENGINEER PRIOR TO INSTALLATION.
- 5) LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 6) CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES REGARDING UTILITY CONNECTIONS AND LOADING REQUIREMENTS. ALL UTILITY CONNECTIONS TO BE UNDERGROUND.
- 7) THE CONTRACTOR SHALL CALL DGS&F (811) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION.
- 8) ALL SANITARY SEWER WORK SHALL MEET CITY OF METHUEN SPECIFICATIONS.
- 9) ALL SANITARY SEWER PIPE SHALL BE PVC (SDR-35), UNLESS OTHERWISE NOTED. THE BUILDING SEWER THROUGH THE FOUNDATION AND UP TO A PERPENDICULAR DISTANCE OF 10 FEET FROM THE FOUNDATION SHALL BE CONSTRUCTED OF CAST IRON.
- 10) ALL SANITARY SEWER PIPE CONNECTIONS AT PRECAST STRUCTURES AND SHALL BE WATER-TIGHT BY USE OF A "QUICKSEAL" CONNECTOR OR APPROVED EQUAL.
- 11) ALL WATER SERVICE CONNECTIONS SHALL MEET METHUEN WATER DISTRICT SPECIFICATIONS.
- 12) ALL WATER PIPE SHALL BE COPPER, UNLESS OTHERWISE NOTED ON PLAN.
- 13) ANY UTILITY FIELD ADJUSTMENTS SHALL BE APPROVED BY THE LOCAL AUTHORITIES AND THE DEVELOPER PRIOR TO INSTALLATION.
- 14) ALL ELECTRIC, TELEPHONE AND CABLE TV LINES ARE TO BE UNDERGROUND AND INSTALLED IN CONFORMANCE WITH APPLICABLE UTILITY CO. SPECIFICATIONS.
- 15) THE SITE IS SERVICED BY MUNICIPAL WATER PROVIDED BY THE CITY OF METHUEN. THE CONTRACTOR IS TO COORDINATE WITH THE DISTRICT REGARDING WATER PRESSURE AT SERVICE. THE CONTRACTOR IS TO VERIFY IF PRESSURE REDUCING VALVE IS REQUIRED.
- 16) ANY UTILITIES TO BE TAKEN OUT OF SERVICE SHALL BE DISCONNECTED AS DIRECTED BY UTILITY COMPANY AND LOCAL DPW.
- 17) ALL TRAFFIC CONTROL AND TEMPORARY CONSTRUCTION SIGNAGE ARRANGEMENTS, ACCEPTABLE TO METHUEN DPW (AS APPLICABLE), SHALL BE EMPLOYED DURING OPERATIONS WITHIN THE PUBLIC RIGHT-OF-WAY.
- 18) SEE GRADING & DRAINAGE PLAN FOR DETAILED DRAINAGE INFORMATION.



LOCATION MAP
(NOT TO SCALE)

PREPARED FOR
WAN YAN, LLC
53 MAYFLOWER DRIVE
NORTH ANDOVER, MA 01845

PARCEL ID: 1113-109W-19

125 MERRIMACK STREET
METHUEN, MA 01844



REVISIONS

[illegible]

APRIL 7, 2021

DRAWN/DESIGN BY CCC/DRJ	CHECKED BY DRJ
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UTILITY PLAN

SCALE: 1"=20'

PROJECT NO.
NEX-2020159

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- 2) CUT AND STUMP AREAS OF PROPOSED CONSTRUCTION.
- 3) INSTALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AS REQUIRED. CONSTRUCT CONSTRUCTION ENTRANCE AS SHOWN ON PLAN.
- 4) REMOVE AND STOCKPILE TOPSOIL. STOCKPILE SHALL BE SEEDED TO PREVENT EROSION. THE STOCKPILE SHALL BE SURROUNDED BY A SLIP FENCE. STOCKPILE SHALL BE ENCLOSED WITH EITHER SLT FENCE OR A STRAW OR HAYBALE BARRIER INSTALLED ACCORDING TO DETAILS SHOWN ON THE PLAN.
- 5) CONSTRUCT LOG INFILTRATION BASIN AND CLOSED DRAINAGE SYSTEM. PROVIDE CURB/INLET PIPES AND CATCH BASINS WITH SEEDING/BARRIERS.
- 6) PERFORM SITE GRADING, PLACING HAY BALES AND SATIATION FENCES AS REQUIRED TO CONTROL SOIL EROSION.
- 7) INSTALL UNDERGROUND UTILITIES.
- 8) BEGIN TEMPORARY PERMANENT SEEDING AND MULCHING, ALL CUT AND STOCKPILE AREAS SHALL BE SEED OR MULCHED IMMEDIATELY AFTER THEIR CONSTRUCTION.
- 9) DAILY, OR AS REQUIRED, CONSTRUCT, INSPECT, AND IF NECESSARY, REPAIR EROSION CONTROL MEASURES. MAINTAIN SLT FENCES AND SEDIMENT TRAPS INCLUDING MULCHING AND SEEDING. SEE LANDSCAPE PLAN FOR MULCHING SPECIFICATIONS.
- 10) BEGIN EROSION CONTROL FOR CONSTRUCTION OF BUILDINGS.
- 11) FRESH PAVING ALL DRIVES AND PARKING AREAS.
- 12) COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- 13) NO FLOW SHALL BE COVERED TO ANY WEIR/OUTLET UNTIL A HEALTHY STAGE OF GRASS HAS BEEN ESTABLISHED IN NEARBY AREAS.
- 14) AFTER GRASS HAS BEEN FULLY ESTABLISHED IN ALL SEEDED AREAS, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.

1. DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED:
2. INSTALLATION OF STONE CHECK DAMS, SLOPE FENCES AND GRASS CONSTRUCTION FENCE SHALL BE COMPLETED PRIOR TO THE START OF THE SITE WORK IN ANY GIVEN AREA. PRE-DESIGNED SLOPE FENCES SHALL BE INSTALLED ACCORDING TO THE RECOMMENDATIONS.
3. STONE CHECK DAMS, SLOPE FENCES, AND GRASS CONSTRUCTION FENCE SHALL BE KEPT CLEAN DURING CONSTRUCTION AND REMOVED WHEN ALL SLOPES HAVE A HEALTHY VEGETATION COVER. SLOPE FENCES AND GRASS CONSTRUCTION MEASURES SHALL BE INSPECTED ON WEEKLY BASIS AND AFTER EVERY 0.5" OF RAINFALL.
4. EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEREVER POSSIBLE.
5. THE AREA OF LAND EXPOSED AND THE TIME OF EXPOSURE SHALL BE MINIMIZED. ALL EXPOSED AREAS SHALL BE PROTECTED BY EROSION CONTROL MEASURES. GRASSING SHALL BE DONE EITHER PERMANENT MEASURES OR TEMPORARY MEASURES, IN NO CASE SHALL ANY EXPOSED AREAS BE LEFT UNPROTECTED FOR MORE THAN 72 HOURS. IN NO CASE SHALL EROSION CONTROL MEASURES FOR MORE THAN 72 HOURS, OR AREAS IN NEEDS TO BE EXPOSED FOR MORE THAN 72 HOURS, BE LEFT UNPROTECTED. EROSION CONTROL MEASURES IN MORE THAN MULTIPLE AREAS MAY BE PERMITTED AS NEEDED, SUBJECT TO THE ABOVE. HOWEVER, THE CONTRACTOR SHALL NOT DISTURB AREAS THAT CANNOT BE REASONABLY BE PROTECTED BY EROSION CONTROL MEASURES FOR MORE THAN 72 HOURS.
6. ALL DISTURBED AREAS SHALL HAVE A MINIMUM OF 6" OF LOAM INSTALLED WITH MIX. SEED MIXTURE SHALL BE:

A. SLOPE AND RETENTION MIX	= 1.0LBS/1000SQ' (TYPE 2):
PERENNIAL SWEET PEA	= 20%
GRASS LARGE	= 20%
SNOW TUFF TREFOIL	= 15%
WHITE CLOVER	= 15%
B. MIX: LEARN MIX	= .3LBS/1000SQ' (TYPE 1):
PERENNIAL WHEATGRASS	= 5%
ANNULAR REGRESS	= 5%
POURNOUS BLUEGRASS	= 5%
CREeping RED FESCUE	= 45%
BERGESS	= 45%

7. LIME AND FERTILIZER SHALL BE INCORPORATED INTO THE SOIL FORTH TO OR AT THE TIME OF SEEDING. A MINIMUM OF 5 TONS PER ACRE OF AGGREGATE LIMESTONE AND 10 TONS PER ACRE OF AGGREGATE FERTILIZER SHALL BE APPLIED. SEE SPECIFICATIONS SHALL COMPLY WITH LOCAL USDA SOIL CONSERVATION SERVICES RECOMMENDATIONS.
8. ANY MARCH AND SLOPE PROTECTION BLANKET SHALL BE USED WHERE KOYOTED ON OR NEAR THE CHANNEL. ANY MARCH AND SLOPE PROTECTION BLANKET SHALL BE ANCHORED IN PLACE WHERE NECESSARY. SLOPE PROTECTION BLANKET SHALL BE LAID IN THE DIRECTION OF FLOW OF WATER. ALL WORK SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND/OR THE DETAILS.
9. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON BEGINS. COVER SHALL BE MAINTAINED THROUGHOUT THE GROWING SEASON. FROM SPRING TO EARLY OCTOBER, WHEN SEEDED AREAS ARE NOT MULCHED, PLANTING SHALL BE MAINTAINED THROUGHOUT THE GROWING SEASON. FROM EARLY SEPTEMBER TO NO DISTURBED AREA SHALL BE LEFT EXPOSED DURING WINTER MONTHS.
10. PRIOR TO CONSTRUCTION OF NERVOUS AREAS, ALL DRAINAGE STRUCTURES AND PIPES SHALL BE INSPECTED AND REPAIRED. ALL DRAINAGE STRUCTURES AND PIPES SHALL BE INSPECTED FOR OTHER SITES FEATURES, ALL DRAINAGE FACILITIES SHALL BE INSPECTED ON A DAILY BASIS FROM THE TIME OF CONSTRUCTION THROUGHOUT THE GROWING SEASON. ALL DAMAGED OR CLEARED/REPAIRED IMMEDIATELY UPON DISCOVERY OF SEDIMENT BUILD-UP OR DAMAGE.
11. EROSION CONTROLS MUST BE INSPECTED AND MAINTAINED ON A DAILY BASIS. ANY SEDIMENT BUILD-UP IN CATCH BASINS SHOULD OR ANY OTHER STRUCTURE SHALL REQUIRE CLEANING.
12. ALL EXPOSED SOILS SHALL BE IMMEDIATELY STABILIZED WITH A LAYER OF MARCH KAY.
13. UPON INSTALLATION OF CATCH BASINS, INLET PROTECTION - AS DESCRIBED ON AGGREGATED PLAN - SHALL BE INSTALLED AND MAINTAINED UNTIL READY FOR PAVING.
14. CALCIUM CHLORIDE OR/AND WATER SHALL BE USED FOR DUST CONTROL IN APPROPRIATE AREAS.
15. DURING CONSTRUCTION, IT COMES APPEARING THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED, STOP ANY FURTHER CONSTRUCTION SITE DUE TO EROSION.

ACTUAL SITE CONDITIONS. THE CONTRACTOR SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE TOWN OR GRANTOR.

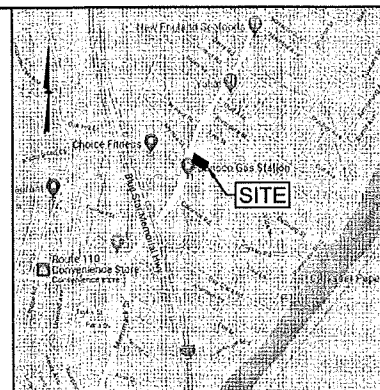
16. OVER WATER STABILIZATION (IF NEEDED)

- A. PERMANENT STABILIZATION CONSISTS OF AT LEAST 80% VEGETATION, PERMANENTLY PLACED LOGS, BUILT UP EROSION MATS, ETC.
- B. DO NOT EXPOSE SLOPES OR LAKE/SLOPES EXPOSED OVER THE WATER OR FOR ANY OTHER EXTENDED TIME TO WAVE SUSPENSION UNLESS FULLY PROTECTED WITH MATS.
- C. WELCH MAY WASH AT THE TIDE STANDARD RATE (1500 LBS. PER 1,000 SF). THE WELCH MUST BE THICK ENOUGH SUCH THAT THE GROUND SURFACE WILL NOT BE EXPOSED. MUST BE REAPPLIED AS NEEDED.
- D. USE WELCH AND WELCH MATS OR AN EROSION CONTROL BLANKET OR MAT FOR ALL SLOPES GREATER THAN 3% OR OTHER AREAS EXPOSED TO DIRECT WAVE.
- E. INSTALL EROSION CONTROL BLANKETS IN ALL ORANGEWAYS (BOTH AND SIDES WITH A SLOPE GREATER THAN 3%.
- F. USE THE VEGETATION MEASURES FOR MORE INFORMATION ON SEEDING DATES AND TYPES.

17. WATER CONSTRUCTION (IF NEEDED)

- A. WATER EXCAVATION AND EARTHWORK SHALL BE COMPLETED AS SUCH NO MORE THAN 1 YEAR OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
- B. BAY AREA WITHIN 100 FEET OF A PROTECTED LAKE/SLAKE/SLAKE EXPOSED TO PROLONGED DRAINAGE OR DRAINAGE OF SEAWARD BAY.
- C. TEMPORARY WELCH MUST BE APPLIED WITHIN 7 DAYS OF SOIL EXPOSED OR PRIOR TO ANY SIGNIFICANT EROSION, BUT AFTER EVERY EROSION IN AREAS WITHIN 100 FEET OF PROTECTED WAVE EXPOSURE.
- D. AREAS WITH WELCH MUST BE APPLIED TO EACH GRASSY AREA MUST BE PERMANENTLY

- W. MAINTAIN THE SAME DAY.
- 6. IN THE EVENT OF A SNOWFALL GREATER THAN 1 INCH (FRESH OR CUMULATIVE), THE SNOW SHALL BE REMOVED FROM AREAS DUE TO BE SEEDED AND MULCHED.
- 7. LEAVES SHALL BE FREE OF FROZEN CLUMPS BEFORE IT IS APPLIED.
- 8. A DITCH THAT WILL BE CONSTRUCTED DURING THE WINTER MUST BE STABILIZED WITH REPAIR.
- 9. ALL TRODS OR SHOALS WHICH DO NOT SHOW A MIN. OF 65% VEGETATION BY OCT. 1, WHICH ARE DISTURBED AFTER OCT. 1 SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL. BLANKETS APPROPRIATE FOR THE DISTURBED AREA.
- 10. AFTER NOV. 15, IS COMPLETE ROAD OR PARKING SURFACES WHERE WORK HAS STOPPED FOR THE WINTER SEASON SHALL BE PROTECTED WITH A MINIMUM OF 3" OF CRUSHED GRAVEL PER MASSDOT.
- 11. SEDIMENT SHALL BE REMOVED ONCE THE VOLUME REACHES 1/4 TO 1/2 THE HEIGHT OF THE TANK OR ONCE THE SEDIMENT FROM SLAT PILES REACHES THE LOAD-BEARING CAPACITY OF THE SLAT PILES WHICH MAY BE LOADER THAN 1/4 TO 1/2 THE HEIGHT.
- 12. SEDIMENT FROM STREET TRAPS OR SEDIMENTATION POUNDS SHALL BE REMOVED WHEN THE PILES REACH 6 INCHES.
- 13. REPOSED SHALL BE STRIPPED FROM DISTURBED AREAS, STOCKPILED IN APPROVED AREAS AND STABILIZED WITH TEMPORARY VEGETATIVE COVER IF IT IS TO BE LEFT MORE THAN 30 CALENDAR DAYS.
- 14. STOCKPILES MUST BE STABILIZED OR COVERED AT THE END OF EACH WORKDAY.
- 15. STOCKPILES SHALL NOT BE GREATER THAN 2:1.
- 16. MUST SHALL BE CONTROLLED AT THE SITE.



LOCATION MAP
(NOT TO SCALE)

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PREPARED FOR
WAN YAN, LLC
53 MAYFLOWER DRIVE
NORTH ANDOVER, MA 01845

PARCEL ID: 1113-109W-19
125 MERRIMACK STREET
METHUEN, MA 01844



REVISIONS		
NO.	REVISION	DATE

APRIL 7, 2021

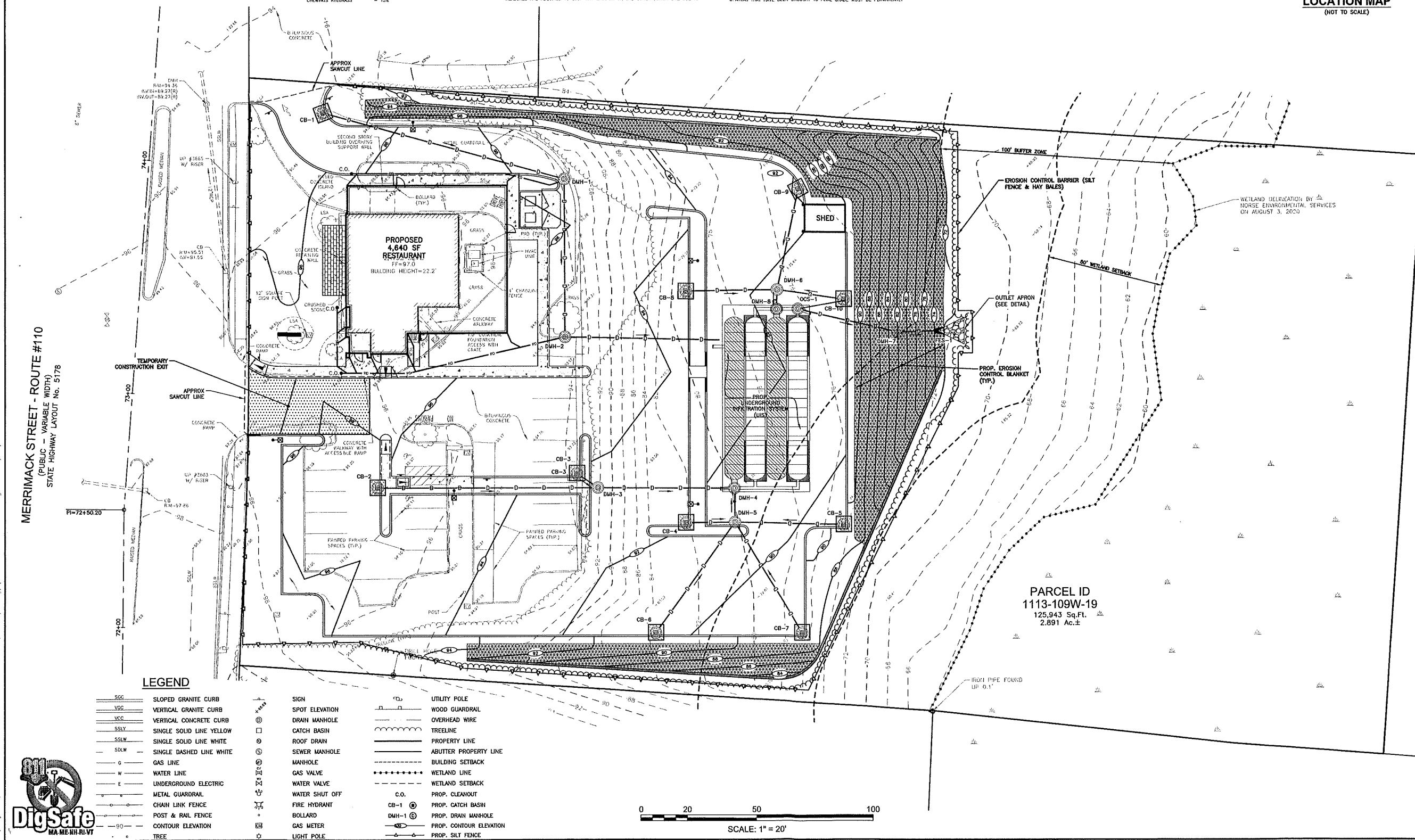
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EROSION &
SEDIMENT
CONTROL PLAN

SCALE: $1"=20'$

PROJECT NO. NEX-2020159

7 OF 11



PLANTING SCHEDULE					
PLANT	QNTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALL SIZE	MATURE SIZE/REMARKS
TREES					
AR	5	ACER RUBRUM 'KARPOK'	KARPOK RED MAPLE	2'-2 1/2' CAL	-/SHADE -NARROW-STREET
GS	2	GLEDITSIA THACANTHOS 'SHADEMASTER'	SHADEMASTER MAPLE LOCUST	2- 2 1/2' CAL	-/STREET-THOROUGH-VEGETATION
MS	4	MALES 'SPRING SNOW'	SPRING SNOW CRABAPPLE	2- 2 1/2' CAL	-/WHITE FLOWERS-AVOID FRUIT
PR	6	PRUNUS SARGENTI 'COLUMARIAS'	COLUMARIAN SARGENT CHERRY	2- 2 1/2' CAL	-/NARROW-PINK FLOWERS
SHRUBS					
CA	14	CLETHRA ALIFOLIA 'HUMMINGBIRD'	HUMMINGBIRD SUMMERSWEET	18"-24" DIA.	3'-4' HT. MAX./WHITE FLOWERS
GS	18	CORNUS SP. 'ARCTIC FIRE'	ARCTIC FIRE RED TWIG DOGWOOD	1 1/2' DIA. 24" HT.	3'-4' HT. MAX./RED/COMPACT FORM
GS	28	ILEX GLABRA 'SHAMROCK'	SHAMROCK HIBERNIA	2-2 1/2' HT.	-/EVERGREEN-BERRIES
JH	9	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR JUNIPER	18"-24" SPR.	1'-2' HT./GROUNDCOVER/BLUE GREEN-SALT TOLERANT
JH	7	TAXUS X MEDIA 'EVER-LAW'	EVER-LAW YEW	18"-24" SPR.	1-2' HT. MAX./SPREADING
PERENNIALS & GRASSES					
HB	7	HOSTA 'BLUE CADET'	BLUE CADET HOSTA	1 GAL	BLUE-GREEN LEAVES/LAVENDER FLOWERS
HB	95	HEMEROCALLIS 'STELLA DE ORO'	DWARF YELLOW DAWLBY	1 GAL	YELLOW FLOWERS/CONTINUOUS BLOOMS
HB	1	CHOCARDIA 'MIDNIGHT LITTLE BLUES'	CHOCARDIA CRISP	1 GAL	BLUE FLOWERS/CONTINUOUS BLOOMS


 PLANT QUANTITY
 PLANT DESIGNATION
 
 PROPOSED SOD
 
 PROPOSED LANDSCAPE STONE

LANDSCAPE REQUIREMENTS

<u>METHUEN CODE</u>	<u>REQUIRED</u>	<u>PROVIDED</u>
SECTION VIII-B-5-b INTERIOR PARKING	(1) TREE PER (2,000) SF OF PARKING AREA 28,500 SF/300 SF = 14 TREES	14 TREES

NOTES:

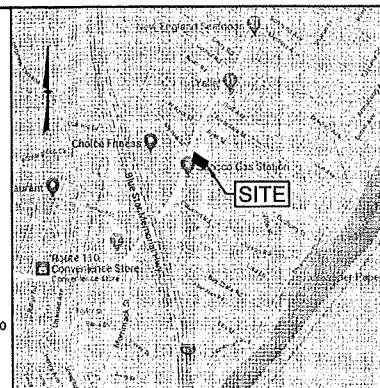
- 1) ALL PLANT STOCK SHALL CONFORM TO ANV 2250.1 - NURSERY STOCK, LATEST EDITION (AMERICAN ASSOCIATION OF NURSEYMEN, INC.).
 - 2) 4" AGED PINEBARK MULCH AND A WEED BARRIER (TY-PAR FABRIC OR APPROVED EQUIV.) SHALL BE APPLIED TO ALL SHRUB AND GROUNDCOVER BEDS. INSTALL WEED BARRIER AS PER MANUFACTURERS RECOMMENDATIONS.
 - 3) PLANT PIT BACKFILL SHALL BE MIXED AT A RATE OF 7 PARTS OF TOPSOIL TO 2 PART OF DEHYDRATED COG MANURE. SLOW RELEASE FERTILIZER SHALL BE APPLIED AS PER MANUFACTURERS RECOMMENDATIONS. USE EXISTING ON-SITE TOPSOIL AS PART OF BACKFILL WHEN AVAILABLE.
 - 4) ALL LANDSCAPED AREAS NOT PLANTED WITH TREES, SHRUBS OR GROUNDCOVER SHALL BE RESTORED WITH SEED OR SOO AS INDICATED ON PLANS.
 - 5) ALL SOO, SEED, SHRUB AND TREE AREAS SHALL RECEIVE 6" PH CORRECTED TOPSOIL. AFTER TOPSOIL IS SPREAD EVENLY OVER ENTIRE AREA, ALL CLODS, LUMPS, STONES AND OTHER DELETERIOUS MATERIAL SHALL BE RAKED UP AND REMOVED.
 - 6) APPLICATION OF GRASS SEED, FERTILIZERS AND MULCH SHALL BE ACCOMPLISHED BY BROADCAST SEEDING OR HYDROSEEDING AT THE RATES OUTLINED BELOW:

LIMESTONE:	100 LBS./1,000 SQUARE FEET.
FERTILIZER:	500 LBS./ACRE OF 10-20-20 OR 1000 LBS./ACRE OF 5-10-10.
MULCH:	HAY MULCH APPROXIMATELY 3 TONS/ACRE

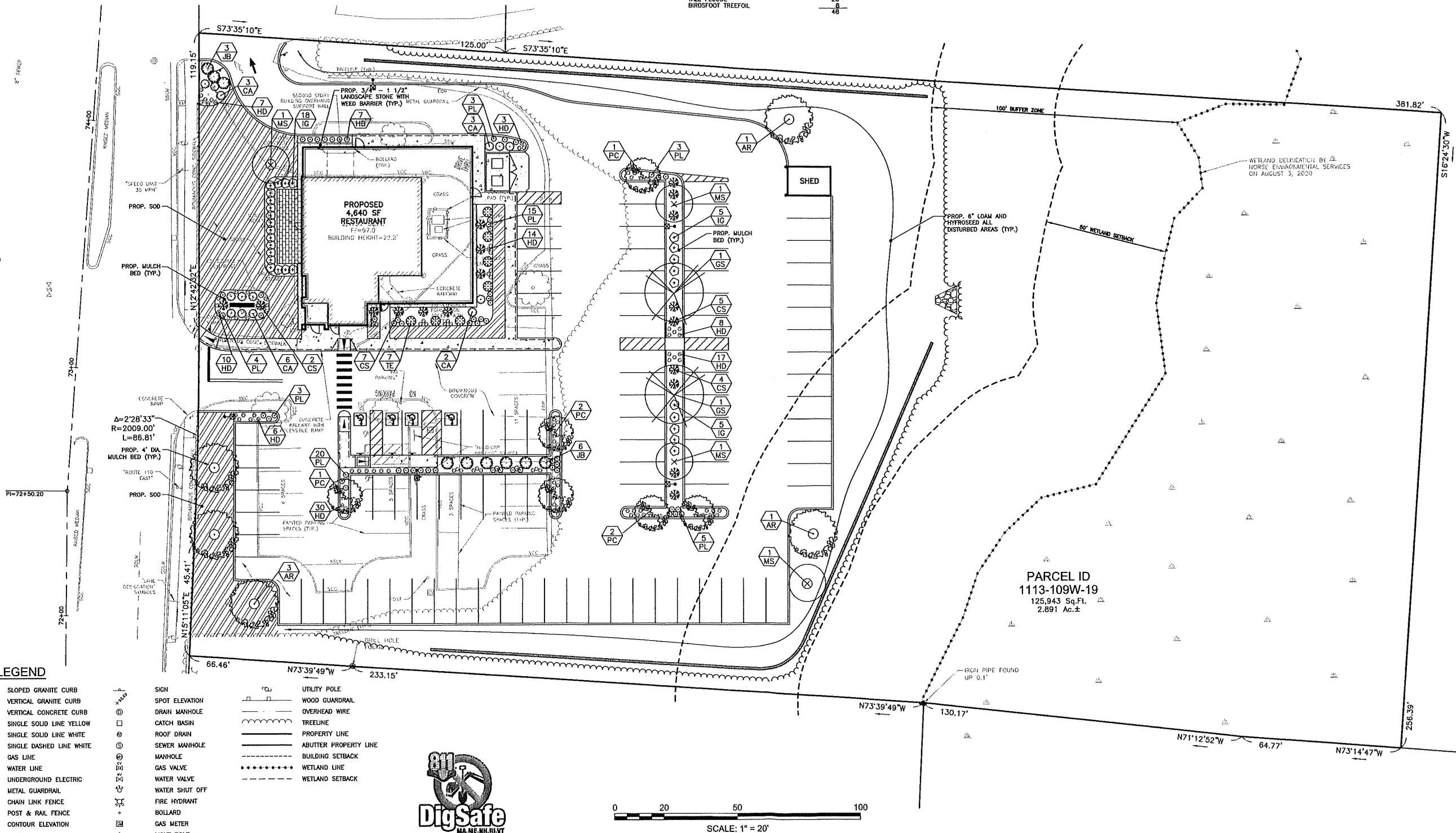
SEED MIX (SLOPES LESS THAN 4:1)	LBS./ACRE
CREEPING RED FESCUE	20
TALL FESCUE	15
PERENNIAL RYEGRASS	5
REDTOP	42

SLOPE MIX (SLOPES GREATER THAN 4:1)	LBS./ACRE
CREEPING RED FESCUE	20
TALL FESCUE	20
BIRDFOOT TREFOIL	8
	42

 - 7) FOR TEMPORARY EROSION CONTROL NOTES, SEE DETAIL SHEET.
 - 8) NEWLY GRADED AREAS REQUIRING SLOPE PROTECTION OUTSIDE OF NORMAL SEEDING SEASON SHALL RECEIVE STRAW MULCH AT THE APPROXIMATE RATE OF NO MORE THAN 3 TONS PER ACRE.
 - 9) ANY CHANGES IN PLANT LOCATIONS OR TYPES SHALL BE APPROVED BY THE DEVELOPER, LANDOWNER AND CITY PRIOR TO INSTALLATION.
 - 10) CLEAR AND GRUB (TO LIMITS REQUIRED ON GRADING PLAN) TO REMOVE VEGETATION, TREES, ROCKS, DEBRIS, ROOTS, ETC. STUMPS SHALL BE REMOVED AND DISPOSED OF OFF SITE IN ACCORDANCE WITH STATE REGULATIONS. AFTER CLEARING, ROTOTILL, STRIP AND STOCKPILE ALL ON-SITE TOPSOIL FOR REUSE TO THE MAXIMUM EXTENT POSSIBLE.
 - 11) FOR SEED & SOO AREAS USE EXISTING TOPSOIL, IF AVAILABLE, FOR A 4" DEPTH AND TOP DRESS WITH 2" OF SCREENED TOPSOIL, UNLESS OTHERWISE NOTED ON PLAN. ALL LOAM OR TOPSOIL IMPORTED OR RE-UTILIZED FROM ON SITE SHALL BE TESTED AND AMENDED AS DIRECTED BY DEVELOPER TO MEET MINIMUM REQUIREMENTS.
 - 12) PLANTINGS SHALL BE GUARANTEED BY THE CONTRACTOR FOR ONE YEAR AFTER WRITTEN ACCEPTANCE OF THE DEVELOPER.
 - 13) SLOPES GREATER THAN 3:1 SHALL RECEIVE JUTE MESH OR WOOD EXCELISOR MATTING NO MORE THAN 24 HOURS AFTER SEEDING. MATTING SHALL BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS.
 - 14) EXPOSED SOILS SHALL BE SEEDDED OR HAY MULCHED WITHIN 72 HOURS OF FINAL GRADING.
 - 15) ALL WORK SHALL BE COORDINATED WITH APPLICABLE EPA NPDES/SWPPP PERMIT WORK AS REQUIRED.
 - 16) THE CONTRACTOR SHALL INSTALL AN IRRIGATION SYSTEM TO PROVIDE COMPLETE COVERAGE OF ALL SEED AREAS AND SHRUB BEDS WITHIN THE LEASE AREA. THE SYSTEM SHALL INCLUDE A TIE-IN AND SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES.



LOCATION MAP
(NOT TO SCALE)



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PREPARED FOR
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53 MAYFLOWER DRIVE
NORTH ANDOVER, MA 01845

PARCEL ID: 1113-109W-19
125 MERRIMACK STREET
METHUEN, MA 01844



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NO.	REVISION	DATE

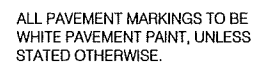
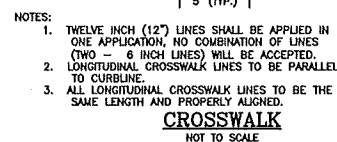
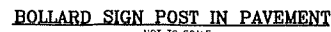
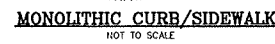
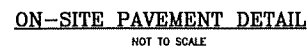
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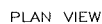
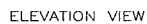
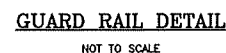
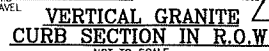
LANDSCAPE
PLAN

SCALE:	1"=20'
PROJECT NO.	NEX-2020159

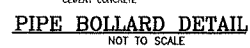
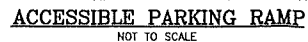
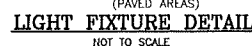
8 OF 11



ON-SITE PAVEMENT
MARKING DETAILS
NOT TO SCALE



VINYL FENCE TRASH ENCLOSURE DETAIL
NOT TO SCALE



PARCEL ID: 1113-109W-19

**1125 MERRIMACK STREET
METHUEN, MA 01844**



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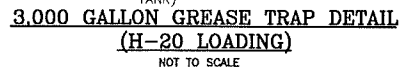
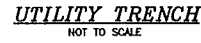
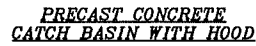
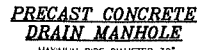
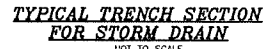
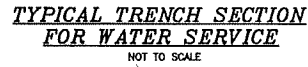
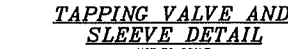
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DETAIL SHEET

SCALE: AS NOTED

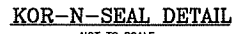
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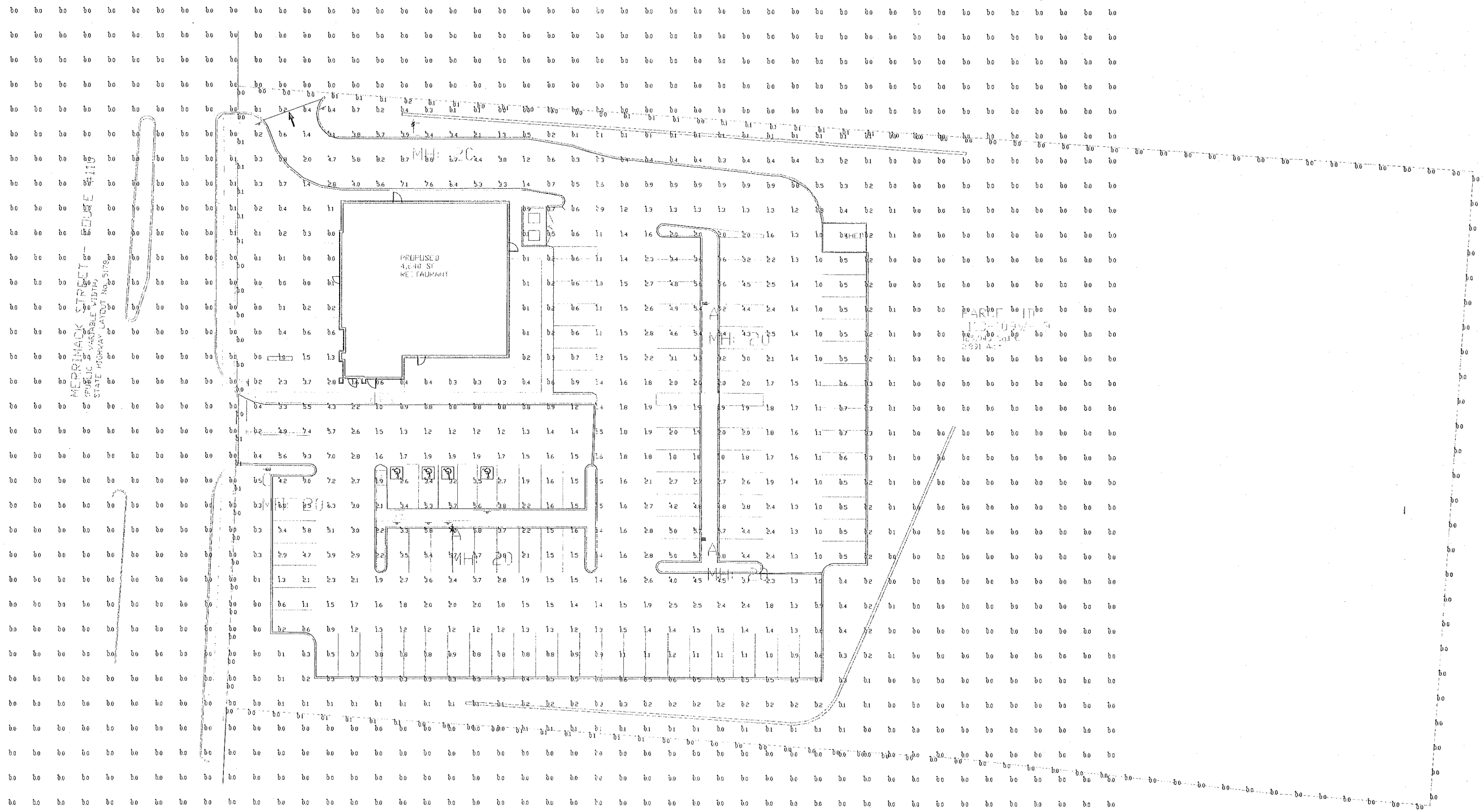
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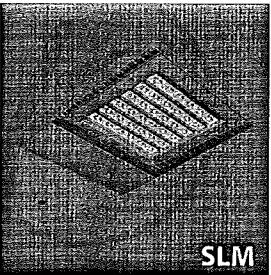
CONSTRUCTION NOTES:

1. THE SUBGRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND RPPAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.
2. THE LEAST OR GRAVEL USED FOR FILTER OR RPPAP SHALL CONFORM TO THE SPECIFIED GRADATION.
3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RPPAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA AND COVERING THE COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
4. STONE FOR THE RPPAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.
5. THE MEDIAN STONE DIAMETER FOR THE RPPAP ARRAIS IS 450, 550, 575, 600, 650, 700, 750, 800, 850, 900, 950, 1000, 1050, 1100, 1150, 1200, 1250, 1300, 1350, 1400, 1450, 1500, 1550, 1600, 1650, 1700, 1750, 1800, 1850, 1900, 1950, 2000, 2050, 2100, 2150, 2200, 2250, 2300, 2350, 2400, 2450, 2500, 2550, 2600, 2650, 2700, 2750, 2800, 2850, 2900, 2950, 3000, 3050, 3100, 3150, 3200, 3250, 3300, 3350, 3400, 3450, 3500, 3550, 3600, 3650, 3700, 3750, 3800, 3850, 3900, 3950, 4000, 4050, 4100, 4150, 4200, 4250, 4300, 4350, 4400, 4450, 4500, 4550, 4600, 4650, 4700, 4750, 4800, 4850, 4900, 4950, 5000, 5050, 5100, 5150, 5200, 5250, 5300, 5350, 5400, 5450, 5500, 5550, 5600, 5650, 5700, 5750, 5800, 5850, 5900, 5950, 6000, 6050, 6100, 6150, 6200, 6250, 6300, 6350, 6400, 6450, 6500, 6550, 6600, 6650, 6700, 6750, 6800, 6850, 6900, 6950, 7000, 7050, 7100, 7150, 7200, 7250, 7300, 7350, 7400, 7450, 7500, 7550, 7600, 7650, 7700, 7750, 7800, 7850, 7900, 7950, 8000, 8050, 8100, 8150, 8200, 8250, 8300, 8350, 8400, 8450, 8500, 8550, 8600, 8650, 8700, 8750, 8800, 8850, 8900, 8950, 9000, 9050, 9100, 9150, 9200, 9250, 9300, 9350, 9400, 9450, 9500, 9550, 9600, 9650, 9700, 9750, 9800, 9850, 9900, 9950, 10000, 10050, 10100, 10150, 10200, 10250, 10300, 10350, 10400, 10450, 10500, 10550, 10600, 10650, 10700, 10750, 10800, 10850, 10900, 10950, 11000, 11050, 11100, 11150, 11200, 11250, 11300, 11350, 11400, 11450, 11500, 11550, 11600, 11650, 11700, 11750, 11800, 11850, 11900, 11950, 12000, 12050, 12100, 12150, 12200, 12250, 12300, 12350, 12400, 12450, 12500, 12550, 12600, 12650, 12700, 12750, 12800, 12850, 12900, 12950, 13000, 13050, 13100, 13150, 13200, 13250, 13300, 13350, 13400, 13450, 13500, 13550, 13600, 13650, 13700, 13750, 13800, 13850, 13900, 13950, 14000, 14050, 14100, 14150, 14200, 14250, 14300, 14350, 14400, 14450, 14500, 14550, 14600, 14650, 14700, 14750, 14800, 14850, 14900, 14950, 15000, 15050, 15100, 15150, 15200, 15250, 15300, 15350, 15400, 15450, 15500, 15550, 15600, 15650, 15700, 15750, 15800, 15850, 15900, 15950, 16000, 16050, 16100, 16150, 16200, 16250, 16300, 16350, 16400, 16450, 16500, 16550, 16600, 16650, 16700, 16750, 16800, 16850, 16900, 16950, 17000, 17050, 17100, 17150, 17200, 17250, 17300, 17350, 17400, 17450, 17500, 17550, 17600, 17650, 17700, 17750, 17800, 17850, 17900, 17950, 18000, 18050, 18100, 18150, 18200, 18250, 18300, 18350, 18400, 18450, 18500, 18550, 18600, 18650, 18700, 18750, 18800, 18850, 18900, 18950, 19000, 19050, 19100, 19150, 19200, 19250, 19300, 19350, 19400, 19450, 19500, 19550, 19600, 19650, 19700, 19750, 19800, 19850, 19900, 19950, 20000, 20050, 20100, 20150, 20200, 20250, 20300, 20350, 20400, 20450, 20500, 20550, 20600, 20650, 20700, 20750, 20800, 20850, 20900, 20950, 21000, 21050, 21100, 21150, 21200, 21250, 21300, 21350, 21400, 21450, 21500, 21550, 21600, 21650, 21700, 21750, 21800, 21850, 21900, 21950, 22000, 22050, 22100, 22150, 22200, 22250, 22300, 22350, 22400, 22450, 22500, 22550, 22600, 22650, 22700, 22750, 22800, 22850, 22900, 22950, 23000, 23050, 23100, 23150, 23200, 23250, 23300, 23350, 23400, 23450, 23500, 23550, 23600, 23650, 23700, 23750, 23800, 23850, 23900, 23950, 24000, 24050, 24100, 24150, 24200, 24250, 24300, 24350, 24400, 24450, 24500, 24550, 24600, 24650, 24700, 24750, 24800, 24850, 24900, 24950, 25000, 25050, 25100, 25150, 25200, 25250, 25300, 25350, 25400, 25450, 25500, 25550, 25600, 25650, 25700, 25750, 25800, 25850, 25900, 25950, 26000, 26050, 26100, 26150, 26200, 26250, 26300, 26350, 26400, 26450, 26500, 26550, 26600, 26650, 26700, 26750, 26800, 26850, 26900, 26950, 27000, 27050, 27100, 27150, 27200, 27250, 27300, 27350, 27400, 27450, 27500, 27550, 27600, 27650, 27700, 27750, 27800, 27850, 27900, 27950, 28000, 28050, 28100, 28150, 28200, 28250, 28300, 28350, 28400, 28450, 28500, 28550, 28600, 28650, 28700, 28750, 28800, 28850, 28900, 28950, 29000, 29050, 29100, 29150,





Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ALL POINTS AT GRADE 10'X10'	Illuminance	Fc	2.68	9.3	0.0	NA	NA
PROPERTY LINE	Illuminance	Fc	3.02	0.2	0.0	NA	NA
PARKING SUMMARY	Illuminance	Fc	3.07	9.3	0.2	10.35	46.50



Luminaire Schedule										
Symbol	Qty	Label	Arrangement	Description	LLD	UDF	LLF	Arr. Lum. Lumens	Arr. Watts	BUG Rating
	3	A	SINGLE	SLM-LED-24L-SIL-5W-40-70CRI-D180-20"MH	1.000	1.000	0.940	24950	176	B5-U0-G3
	2	C	SINGLE	SLM-LED-24L-SIL-3-40-70CRI-IL-SINGLE-20"MH	1.000	1.000	0.960	16950	176	B1-U0-G3

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

This lighting plan represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with The Illuminating Engineering Society (IES) approved methods. Actual performance of any manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in lamps/LED's and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted. Fixture nomenclature noted does not include mounting hardware or poles. This drawing is for photometric evaluation purposes only and should not be used as a construction document or as a final document for ordering product.

Total Project Watts: 1
Total Watts = 880

LIGHTING PROPOSAL LD-153445

VAN YAN
125 HERRINACK ST.
METHUEN, MA

DATE: 3/19/21

SCALE: 1"=20'

SHEET 1 OF 1

20



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One Elm Square | Andover | MA 01915
(978) 410-5575 | www.lyfarchitects.com

Stamp

125 MERRIMACK STREET
RESTAURANT

Enter address here

FLOOR PLANS & ELEVATIONS

Prepared for:
Location: Approver

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ALL PLANS, SPECIFICATIONS AND EASES ARE
THE PROPERTY OF LYF ARCHITECTS. NO PART
HEREOF MAY BE REPRODUCED OR TRANSMITTED
IN ANY FORM OR BY ANY MEANS, ELECTRONIC
OR MECHANICAL, INCLUDING PHOTOCOPYING,
RECORDING, OR BY ANY INFORMATION
SYSTEMS WITHOUT PERMISSION OF LYF
ARCHITECTS.

REVISIONS	
Date	04-01-2021
Scale	As indicated
Job No.	2196
Sheet No.	A100

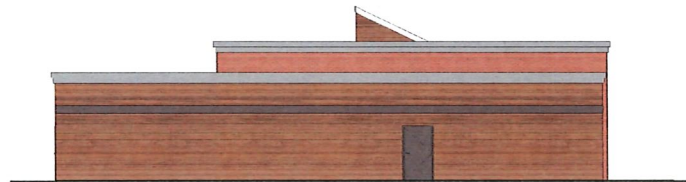
A100



4 Merrimack Street - West
3/32" = 1'-0"



5 South
3/32" = 1'-0"



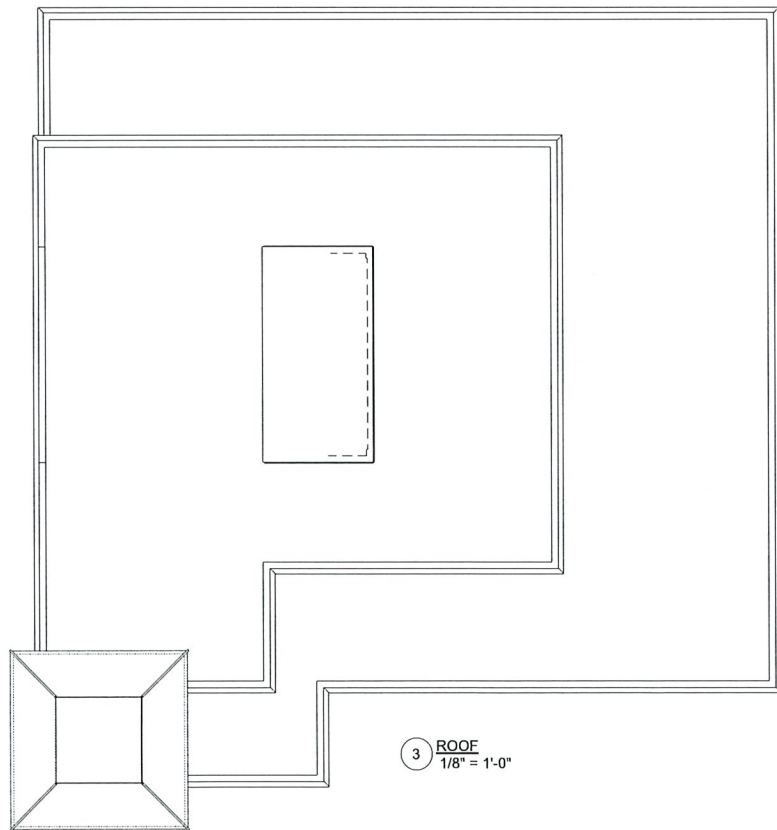
7 North
3/32" = 1'-0"



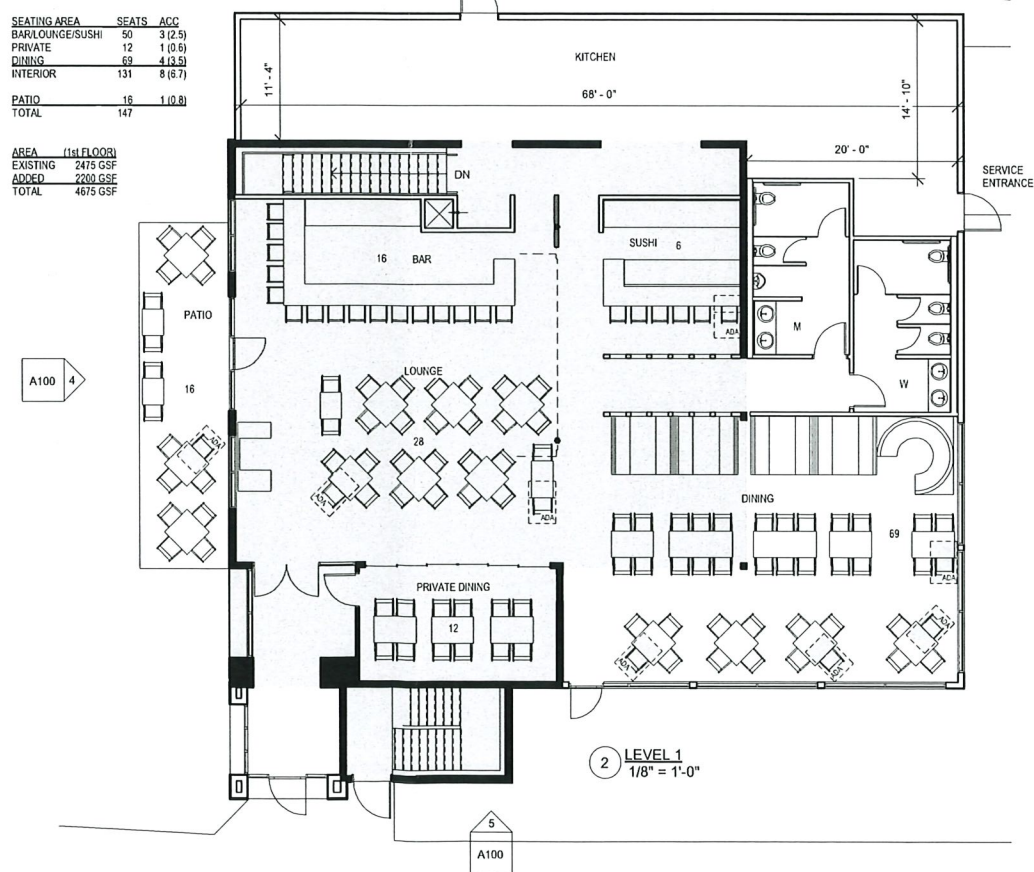
6 East
3/32" = 1'-0"



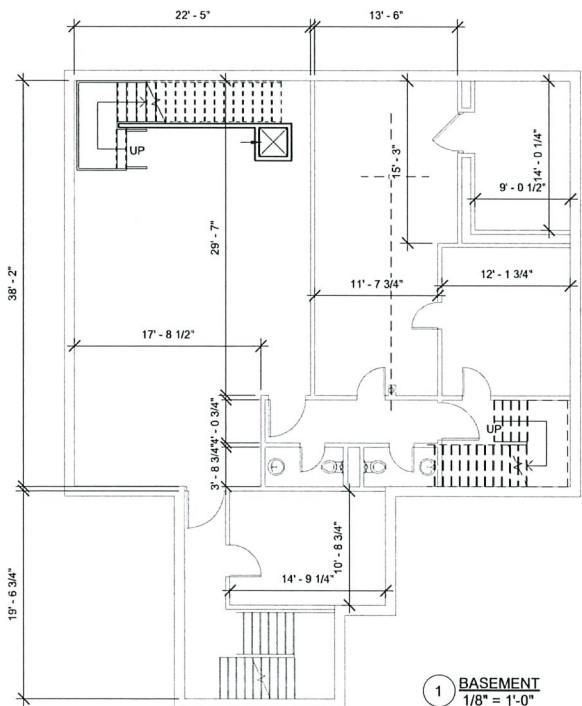
9 3D View 1



3 ROOF
1/8" = 1'-0"



2 LEVEL 1
1/8" = 1'-0"



1 BASEMENT
1/8" = 1'-0"