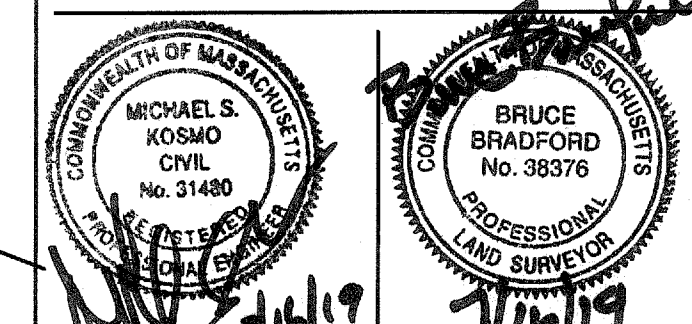


LEGEND

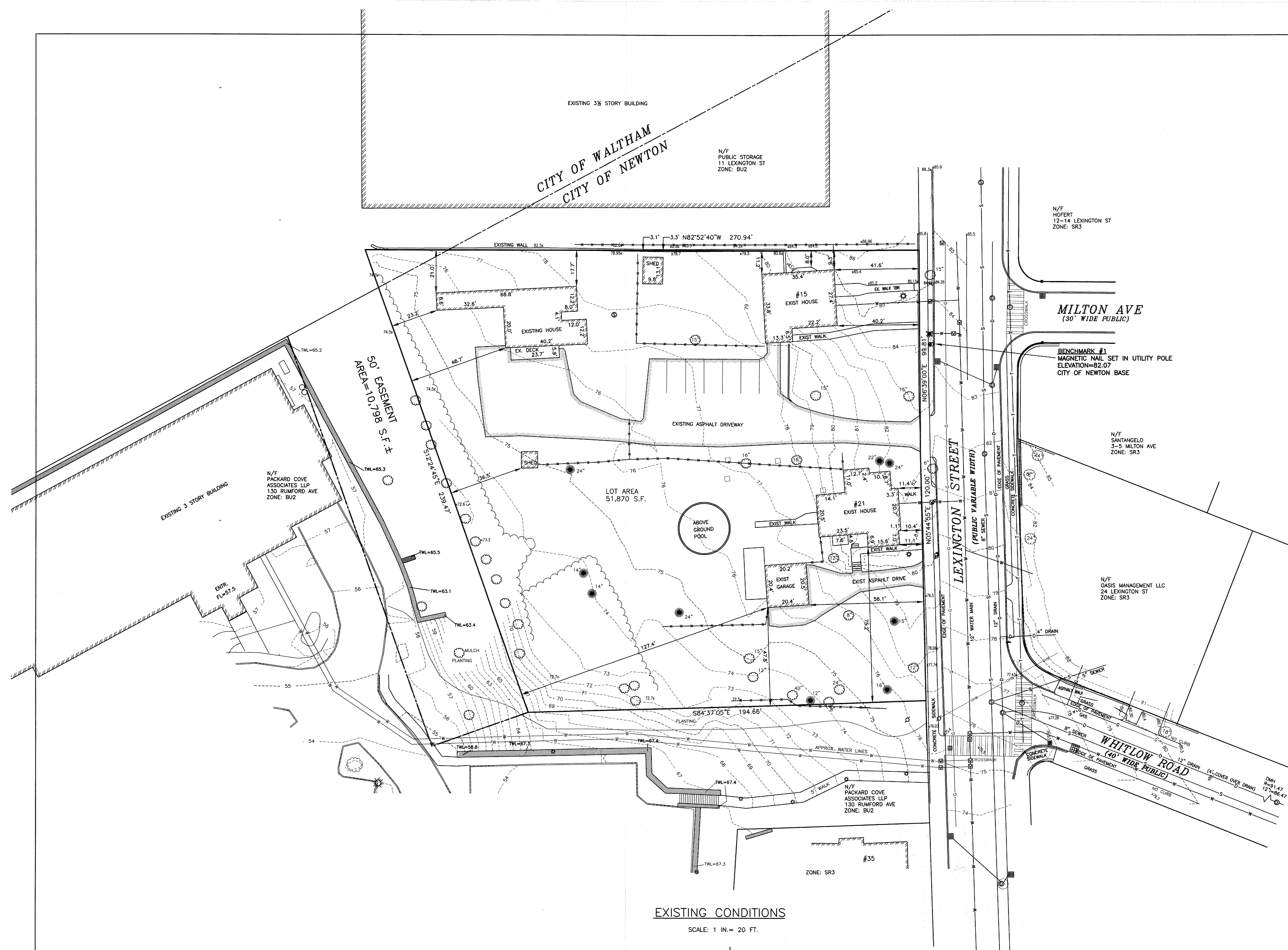
- UTILITY POLE
- WATER GATE
- HYDRANT
- GAS GATE
- SEWER MANHOLE
- DRAIN MANHOLE
- CATCH BASIN
- TREE
- LIGHT POLE
- SIGN
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- TH#1 DEEP TEST HOLE
- PTH#1 PERCOLATION TEST
- 71.4 X SPOT ELEVATION
- [71] PROPOSED CONTOUR
- 71- EXISTING CONTOUR
- D DRAIN LINE
- RD ROOF DRAIN
- FD FOUNDATION DRAIN
- W WATER LINE
- S SEWER LINE
- G GAS LINE
- OHW OVERHEAD WIRES
- X FENCE
- [---] STONEWALL
- [---] HEDGE
- [---] TREE LINE



PRELIMINARY SITE PLAN OF LAND IN NEWTON, MA
 15-21 LEXINGTON STREET

SCALE: 1 IN. = 20 FT.
 DATE: JULY 16, 2019
 DRAWN: ES
 CHECK: MSK & BB

REVISIONS:



EXISTING CONDITIONS
 SCALE: 1 IN. = 20 FT.

ZONING INFORMATION

ZONE: MR-3

	PROPOSED	ALLOWABLE
LOT AREA	51,870 S.F.	10,000 S.F. MIN.
LOT AREA PER UNIT	2,161 S.F. MIN.	1,200 S.F. MIN.
LOT COVERAGE	19.4%	45% MAX.
FRONTAGE	219.81'	80' MIN.
OPEN SPACE	50.5%	30% MIN.
FRONT SETBACK	30.6'	15' MIN.
SIDE SETBACK	15.0'	1/3 BLDG HT MIN.
REAR SETBACK	94.6'	1/2 BLDG HT MIN.
BUILDING HEIGHT	35.0'	36' MAX (FLAT ROOF)
STORIES	3	3 MAX.

BUILDINGS	10,087 S.F.
STRUCTURES	10,087 S.F.
DRIVE	15,596 S.F. ±
	25,683 S.F. ±

TOTAL PARKING SPACE REQUIREMENT

2 SPACES PER UNIT = 24 UNITS X 2 SPACES = 48 SPACES

PARKING REQUIRED = 48 SPACES

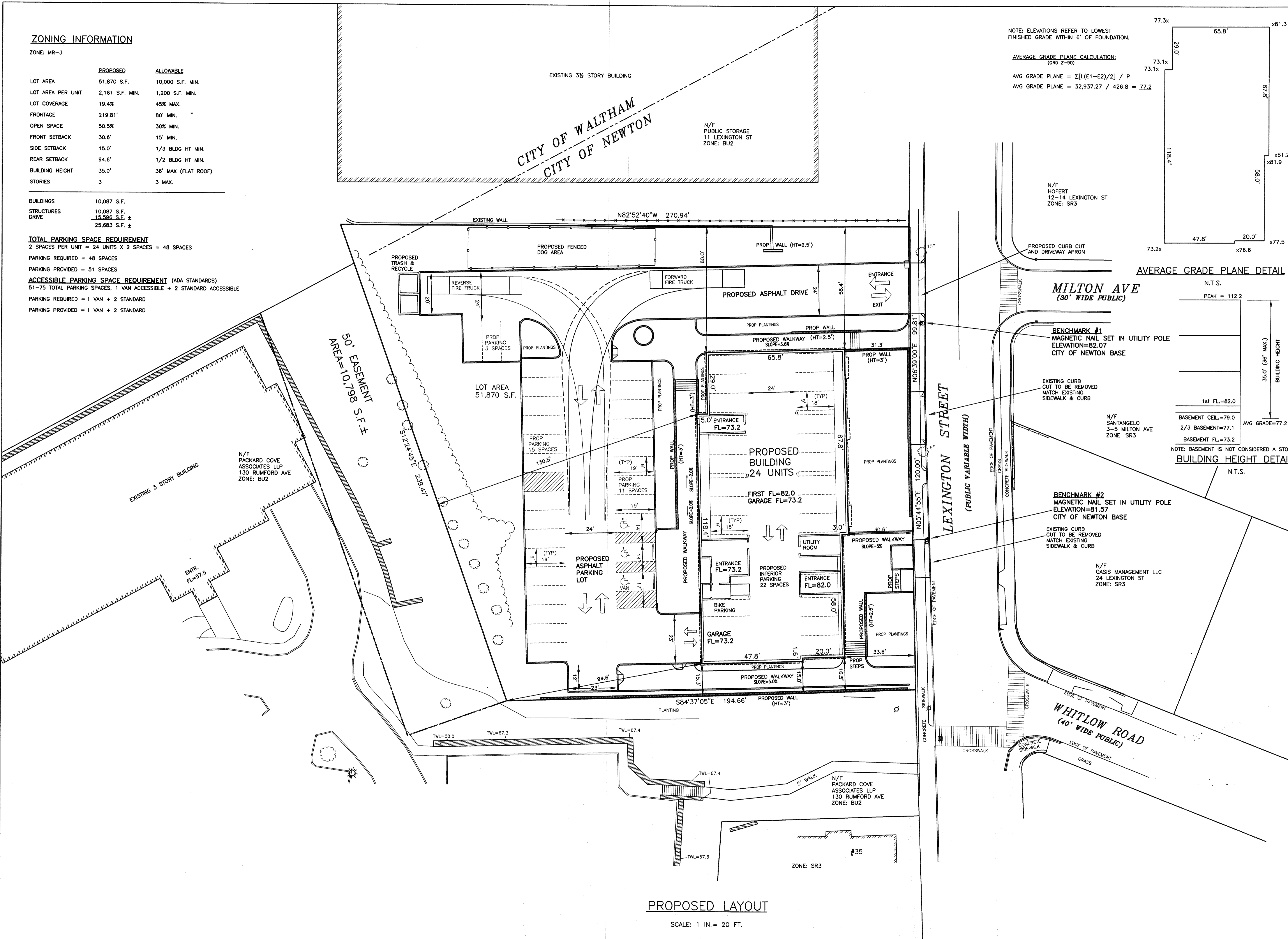
PARKING PROVIDED = 51 SPACES

ACCESSIBLE PARKING SPACE REQUIREMENT (ADA STANDARDS)

51-75 TOTAL PARKING SPACES, 1 VAN ACCESSIBLE + 2 STANDARD ACCESSIBLE

PARKING REQUIRED = 1 VAN + 2 STANDARD

PARKING PROVIDED = 1 VAN + 2 STANDARD



PROPOSED LAYOUT

SCALE: 1 IN. = 20 FT.

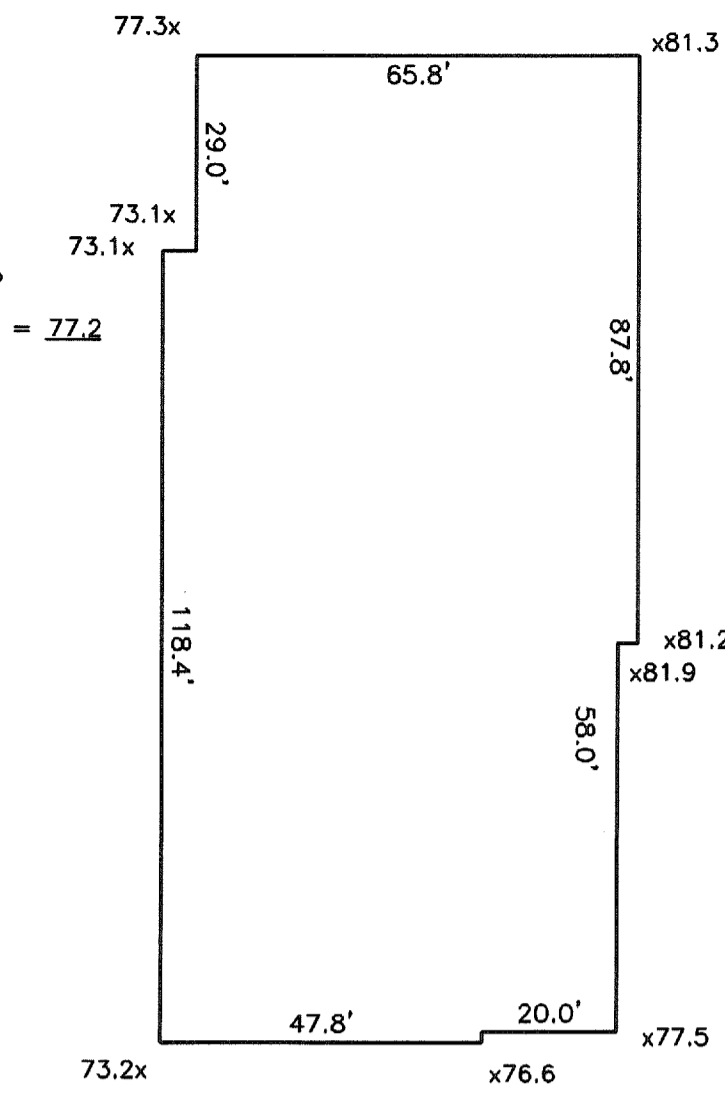
NOTE: ELEVATIONS REFER TO LOWEST FINISHED GRADE WITHIN 6' OF FOUNDATION.

AVERAGE GRADE PLANE CALCULATION:

(ORD 2-90)

$$\text{AVG GRADE PLANE} = \frac{\sum[(E1+E2)/2] / P}{}$$

$$\text{AVG GRADE PLANE} = 32,937.27 / 426.8 = 77.2$$



AVERAGE GRADE PLANE DETAIL

N.T.S.

PEAK = 112.2

1st FL = 82.0

BASEMENT CEIL = 79.0

2/3 BASEMENT = 77.1

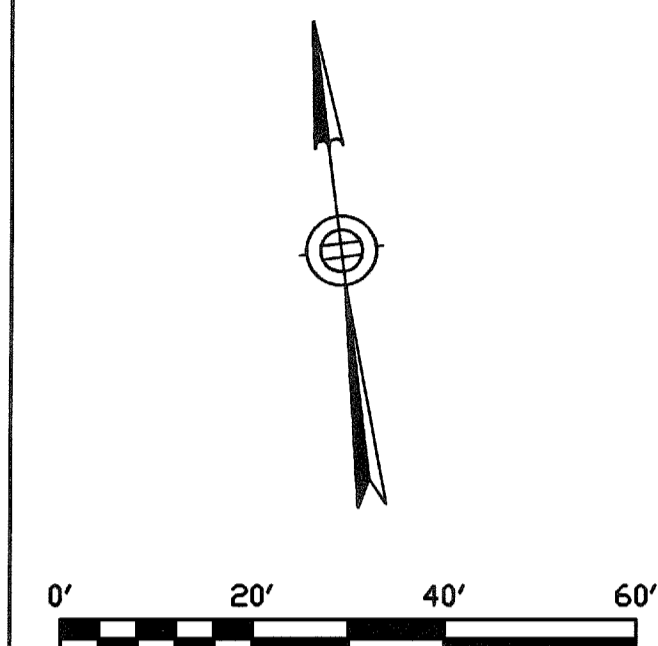
BASEMENT FL = 73.2

AVG GRADE = 77.2

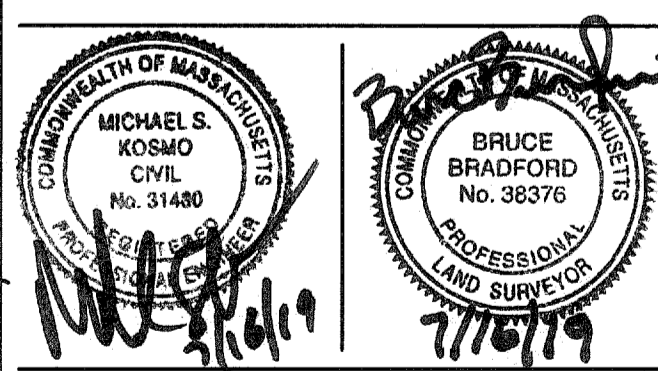
NOTE: BASEMENT IS NOT CONSIDERED A STORY.

BUILDING HEIGHT DETAIL

N.T.S.



- LEGEND**
- UTILITY POLE
 - WATER GATE
 - ⊕ HYDRANT
 - ⊕ GAS GATE
 - ⊕ SEWER MANHOLE
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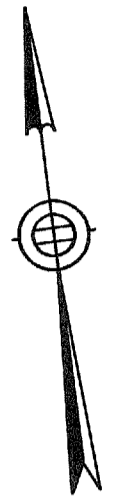


PRELIMINARY SITE PLAN OF LAND IN NEWTON, MA
 15-21 LEXINGTON STREET

SCALE: 1 IN. = 20 FT.
 DATE: JULY 16, 2019
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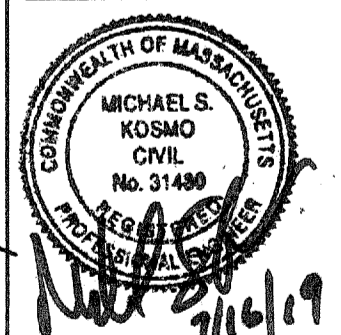
REVISIONS:

NO.	DESCRIPTION



LEGEND

- UTILITY POLE
- WATER GATE
- HYDRANT
- GAS GATE
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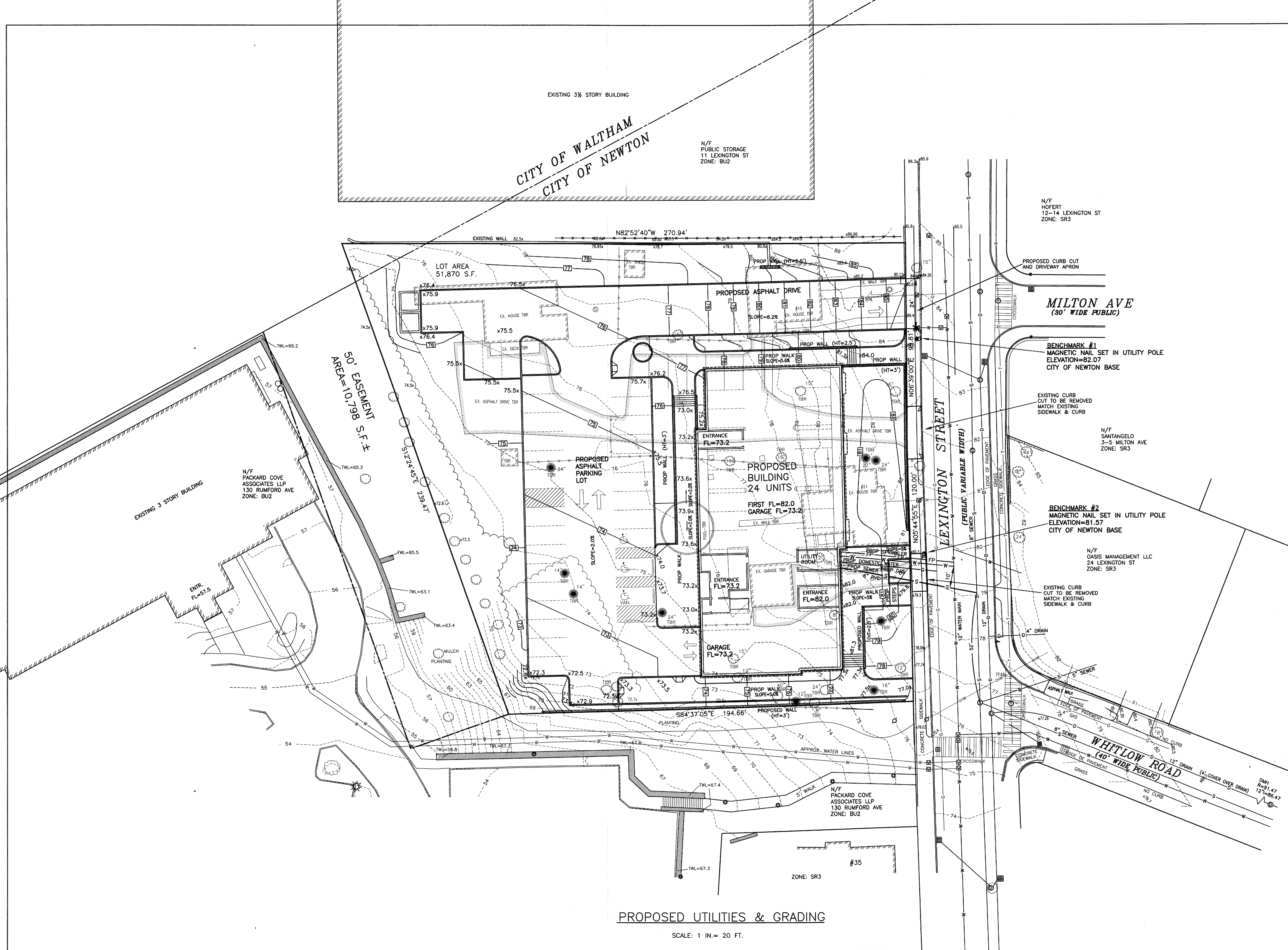


**PRELIMINARY SITE
 PLAN OF LAND IN
 NEWTON, MA**
 15-21 LEXINGTON STREET

SCALE: 1 IN. = 20 FT.
 DATE: JULY 16, 2019
 DRAWN: ES
 CHECK: MSK & BB

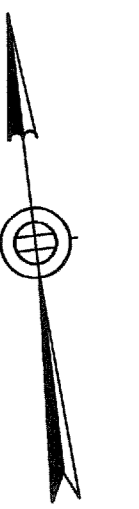
REVISIONS:

NO.	DESCRIPTION



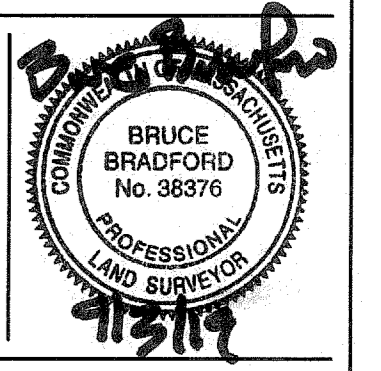
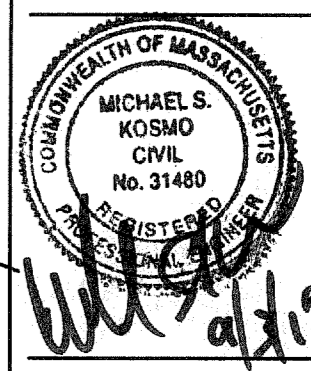
PROPOSED UTILITIES & GRADING

SCALE: 1 IN. = 20 FT.



LEGEND

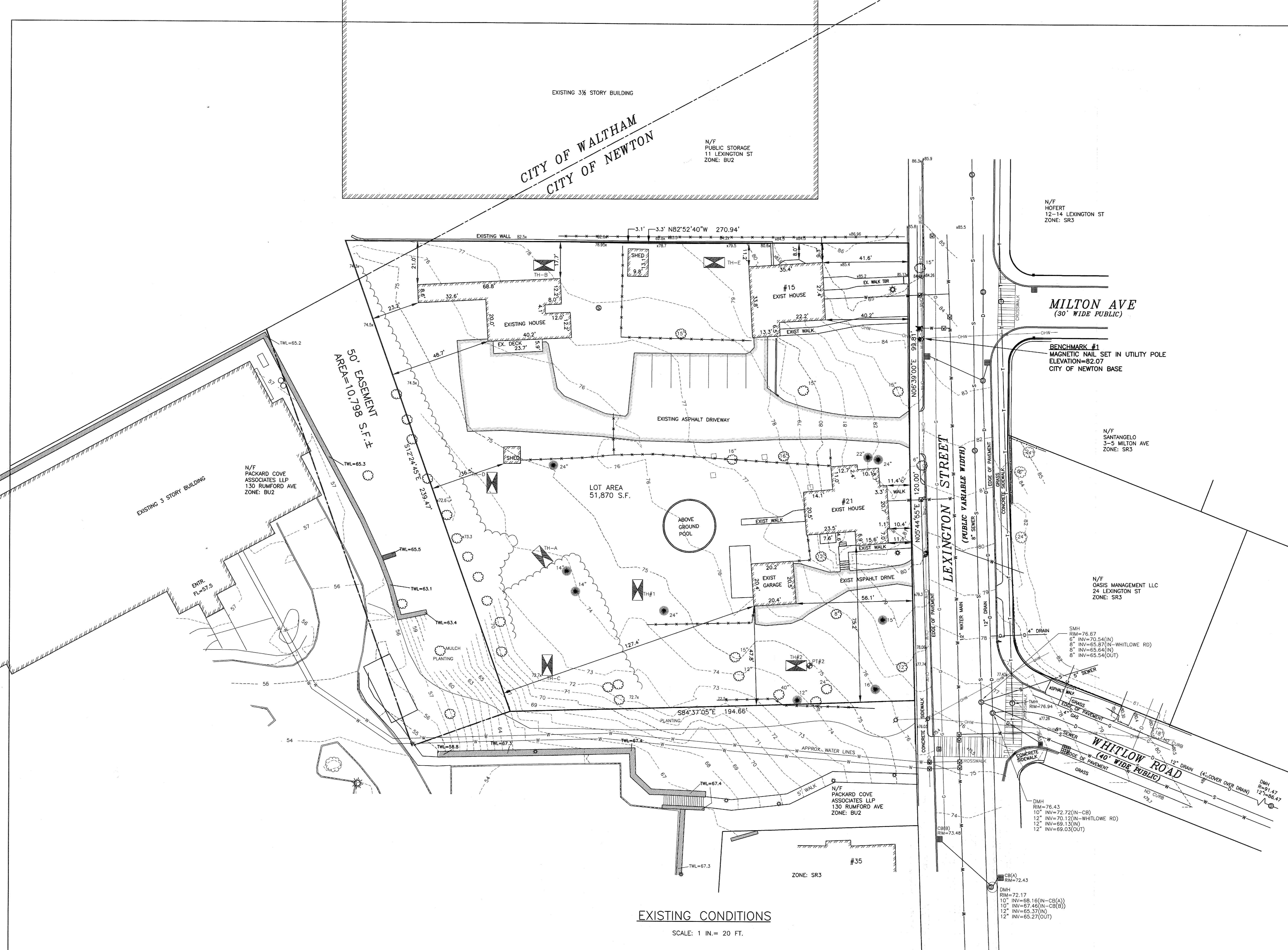
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SITE PLAN OF LAND IN NEWTON, MA
 15-21 LEXINGTON STREET

SCALE: 1 IN. = 20 FT.
 DATE: SEPTEMBER 3, 2019
 DRAWN: ES
 CHECK: MSK & BB

REVISIONS:



EXISTING CONDITIONS
 SCALE: 1 IN. = 20 FT.

ZONING INFORMATION

ZONE: MR-3

	PROPOSED	ALLOWABLE
LOT AREA	51,870 S.F.	10,000 S.F. MIN.
LOT AREA PER UNIT	2,161 S.F. MIN.	1,200 S.F. MIN.
LOT COVERAGE	19.4%	45% MAX.
FRONTAGE	219.81'	80' MIN.
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FRONT SETBACK	30.6'	15' MIN.
SIDE SETBACK	15.0'	1/3 BLDG HT MIN.
REAR SETBACK	94.6'	1/2 BLDG HT MIN.
BUILDING HEIGHT	35.0'	36' MAX (FLAT ROOF)
STORIES	3	3 MAX.

BUILDINGS	10,087 S.F.
STRUCTURES	10,087 S.F.
DRIVE	15,812 S.F. ±
	25,899 S.F. ±

TOTAL PARKING SPACE REQUIREMENT
2 SPACES PER UNIT = 24 UNITS X 2 SPACES = 48 SPACES

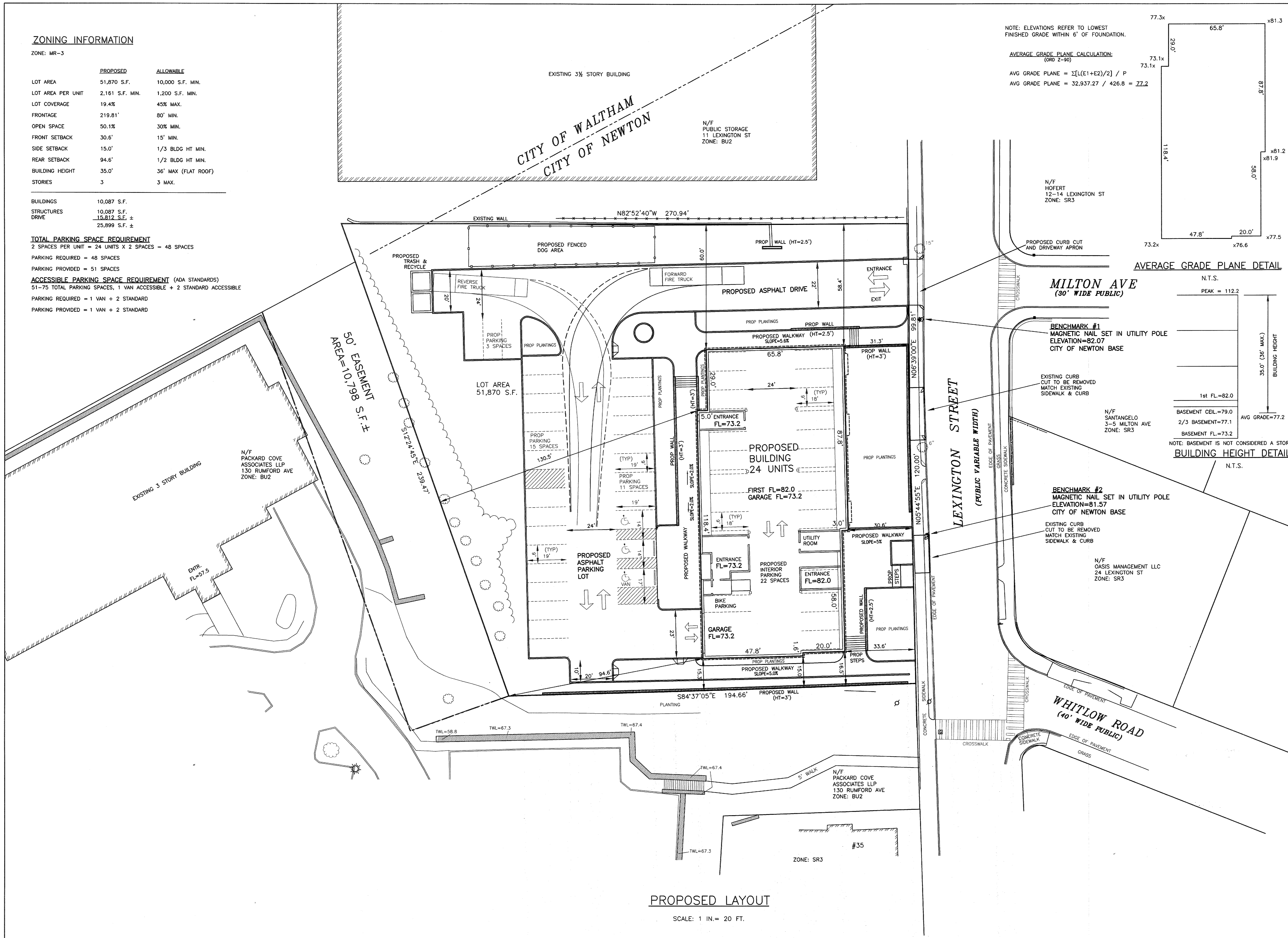
PARKING REQUIRED = 48 SPACES

PARKING PROVIDED = 51 SPACES

ACCESSIBLE PARKING SPACE REQUIREMENT (ADA STANDARDS)
51-75 TOTAL PARKING SPACES, 1 VAN ACCESSIBLE + 2 STANDARD ACCESSIBLE

PARKING REQUIRED = 1 VAN + 2 STANDARD

PARKING PROVIDED = 1 VAN + 2 STANDARD



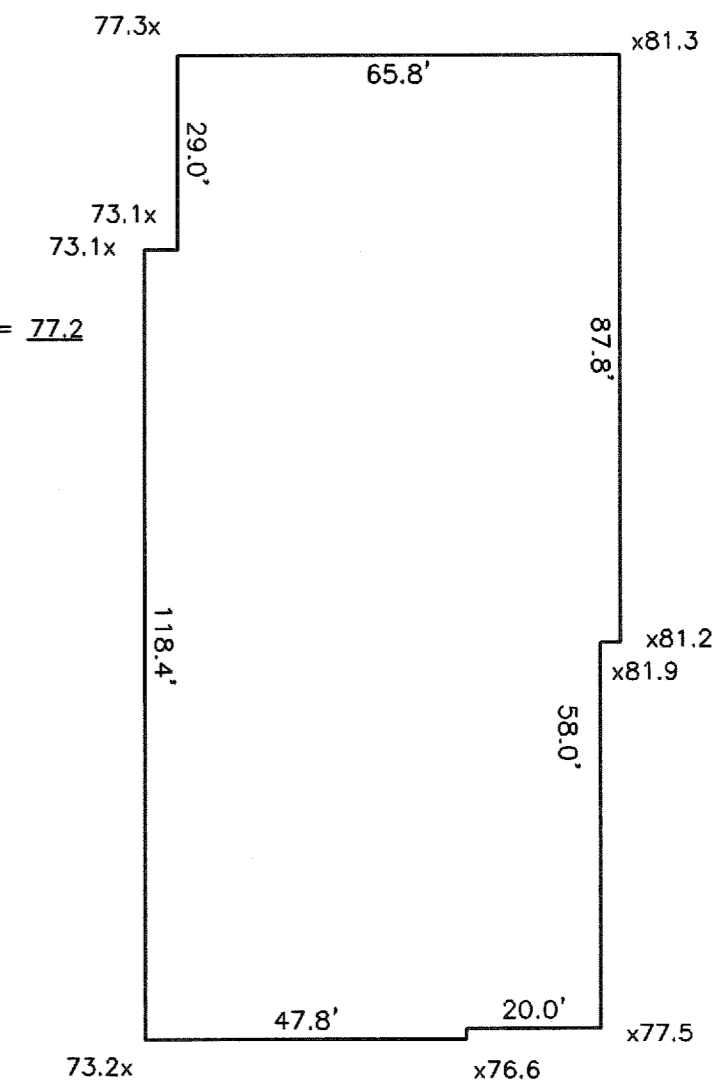
PROPOSED LAYOUT

SCALE: 1 IN. = 20 FT.

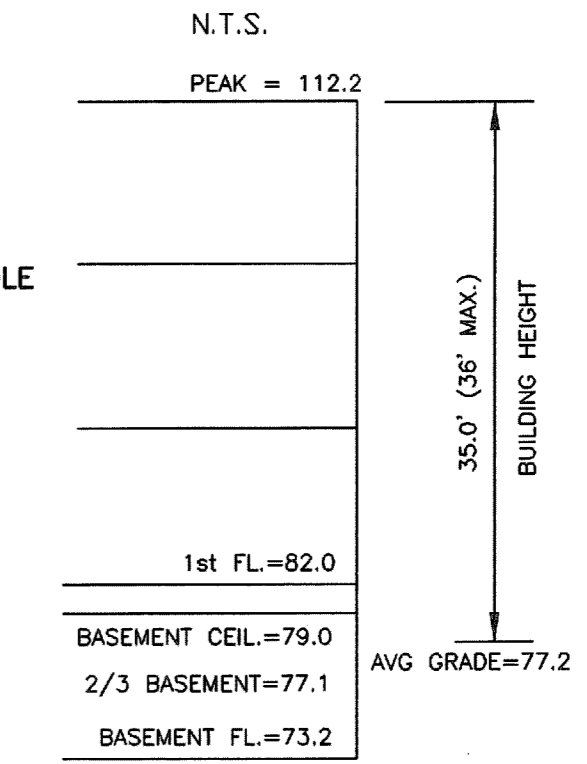
NOTE: ELEVATIONS REFER TO LOWEST FINISHED GRADE WITHIN 6' OF FOUNDATION.

AVERAGE GRADE PLANE CALCULATION:
(ORD 2-90)

AVG GRADE PLANE = $\frac{\sum(L(E1+E2)/2)}{P}$
AVG GRADE PLANE = 32,937.27 / 426.8 = 77.2

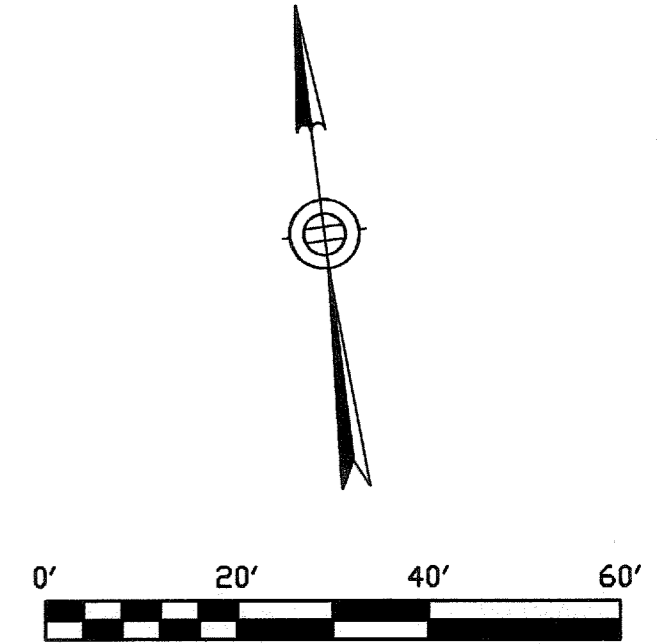


AVERAGE GRADE PLANE DETAIL



BUILDING HEIGHT DETAIL

EMB
EVERETT M. BROOKS CO.
SURVEYORS & ENGINEERS
49 LEXINGTON STREET
WEST NEWTON, MA 02465
(617) 827-8750
info@everettbrooks.com



LEGEND

- UTILITY POLE
- WATER GATE
- ⊕ HYDRANT
- ⊗ GAS GATE
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- ⊖ HEDGE
- ⊖ TREE LINE

Professional Engineer Seal for Michael S. Kosmo, No. 81480, State of Massachusetts.
Professional Engineer Seal for Bruce Bradford, No. 38876, State of Massachusetts.

SITE PLAN OF LAND IN NEWTON, MA
15-21 LEXINGTON STREET
SCALE: 1 IN. = 20 FT.
DATE: SEPTEMBER 3, 2019
DRAWN: ES
CHECK: MSK & BB

REVISIONS:

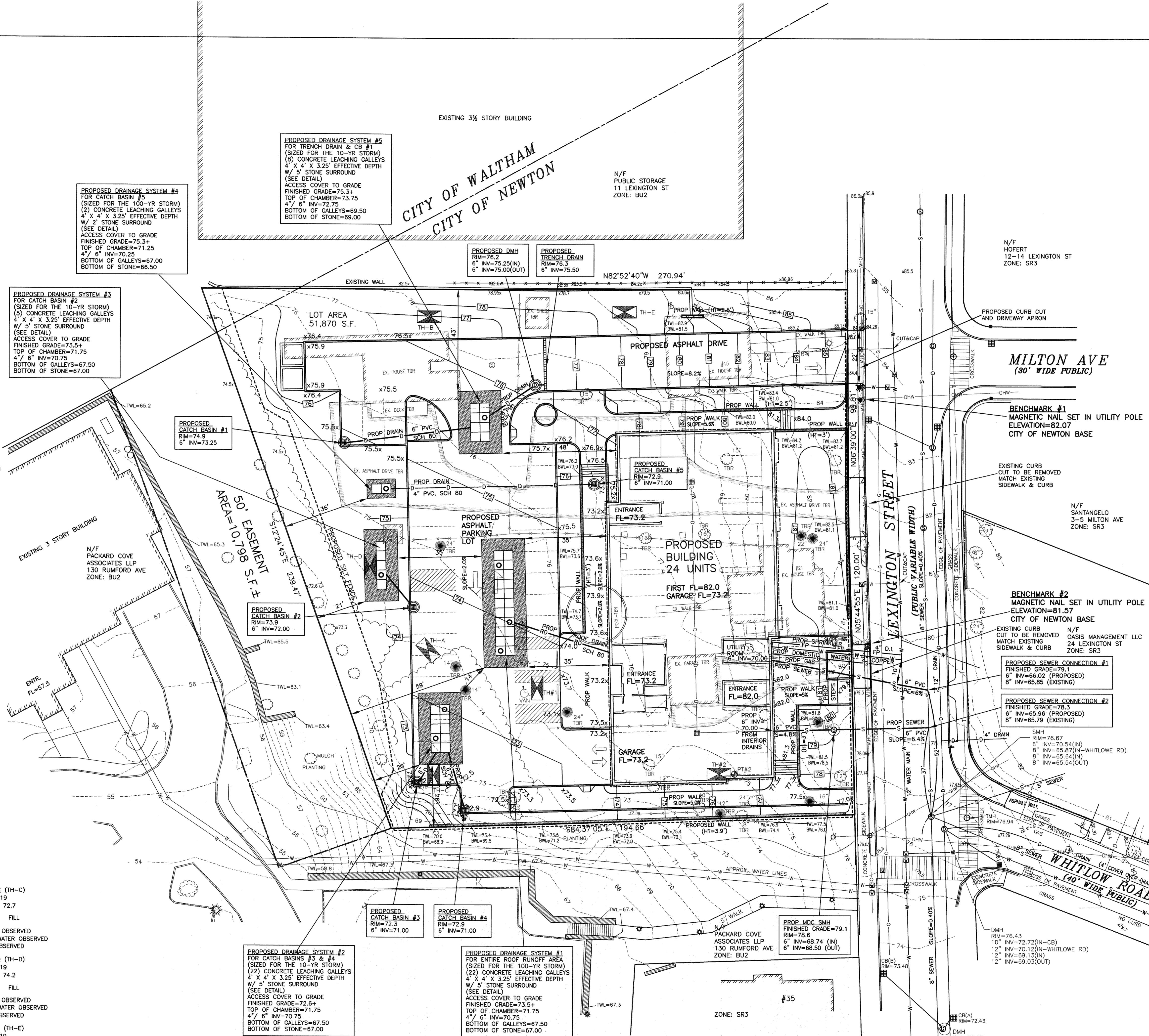
NO.	DESCRIPTION

GENERAL NOTES

- ELEVATIONS REFER TO CITY OF NEWTON BASE. BENCHMARK #1: MAGNETIC NAIL SET IN UTILITY POLE IN FRONT OF LOCUS ON LEXINGTON STREET. ELEVATION=82.07.
- THE LOCATION AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ANY CROSSINGS OF PROPOSED AND EXISTING UTILITIES.
- MASSACHUSETTS STATE LAW REQUIRES UTILITY NOTIFICATION AT LEAST THREE BUSINESS DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CALL DIG-SAFE AT 811 OR 1-888-DIG-SAFE (1-888-344-7233) IN ORDER TO COMPLY WITH STATE LAW.
- ALL UTILITY CONSTRUCTION SHALL CONFORM TO THE CITY OF NEWTON GENERAL CONSTRUCTION DETAILS, LATEST EDITION, PREPARED AND ISSUED BY THE NEWTON ENGINEERING DEPARTMENT. COPIES MAY BE OBTAINED AT THE OFFICE OF THE CITY ENGINEER.
- NO WORK WITHIN ANY CITY OF NEWTON RIGHT-OF-WAY IS ALLOWED BETWEEN NOVEMBER 15TH AND APRIL 15TH IF AN EMERGENCY EXISTS OR THERE ARE EXTENUATING CIRCUMSTANCES. THE APPLICANT MAY REQUEST PERMISSION FROM THE CITY ENGINEER, OR DESIGNER FOR SUCH WORK.
- ALL CONSTRUCTION ACTIVITIES WITHIN THE CITY OF NEWTON RIGHT-OF-WAY MUST FULLY COMPLY WITH ALL CITY OF NEWTON CONSTRUCTION SPECIFICATIONS AS WELL AS 521 CMR 21.00 AND 22.00.
- ALL WORK SHALL BE SUBJECT TO THE INSPECTION BY AND APPROVAL OF THE CITY ENGINEER.
- NO EXCAVATION SHALL BE MADE BY THE CONTRACTOR IN ANY PUBLIC WAY OR UTILITY EASEMENT UNLESS AT LEAST FORTY-EIGHT (48) HOURS, EXCLUSIVE OF SATURDAYS, SUNDAYS AND HOLIDAYS, BEFORE THE PROPOSED EXCAVATION IS TO BE MADE. HE HAS SUBMITTED, BY REGISTERED MAIL, WRITTEN NOTICE OF THE PROPOSED EXCAVATION TO THE FOLLOWING:
A. SUCH PUBLIC UTILITY COMPANIES AS SUPPLY GAS, ELECTRICITY AND TELEPHONE SERVICE IN THE CITY.
B. SUCH PRIVATE COMPANIES AS PROVIDE CABLE TELEVISION SERVICE IN THE CITY.
C. CITY OF NEWTON WATER & SEWER DEPARTMENT.
SUCH NOTICE SHALL SET FORTH THE STREET NAME AND A REASONABLY ACCURATE DESCRIPTION OF THE LOCATION OF THE EXCAVATION.
- THE CONTRACTOR SHALL PROVIDE CITY OF NEWTON POLICE OFFICERS FOR THE DIRECTION AND CONTROL OF TRAFFIC, AS REQUIRED BY THE CITY ENGINEER.
- NO WORK SHALL BE PERFORMED UNTIL THE NECESSARY PERMITS ARE OBTAINED FROM THE CITY OF NEWTON PUBLIC WORKS DEPARTMENT.
- ALL TRENCHES IN PAVED STREETS SHALL BE TEMPORARILY PATCHED WITH 1.5 INCH DEPTH OF BITUMINOUS CONCRETE, LAID HOT AND MAINTAINED UNTIL THE PERMANENT PATCH IS INSTALLED.
- WITH THE EXCEPTION OF THE GAS UTILITY SERVICES, ALL UTILITY TRENCHES WITHIN ANY CITY OF NEWTON RIGHT-OF-WAY SHALL BE BACKFILLED WITH TYPE I (EXCAVATABLE) CONTROLLED DENSITY FILL, AS SPECIFIED BY THE CITY OF NEWTON ENGINEERING SPECIFICATIONS.
- WARNING SIGNS SHALL CONFORM TO PAGE 12 OF THE CITY OF NEWTON GENERAL CONSTRUCTION DETAILS.
- THE APPLICANT WILL HAVE TO APPLY FOR A STREET OPENING AND UTILITIES CONNECTION PERMITS AS WELL AS A SIDEWALK CROSSING PERMIT WITH THE CITY.
- ALL TRENCH EXCAVATION CONTRACTORS SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82A, TRENCH SAFETY REQUIREMENTS TO PROTECT THE GENERAL PUBLIC FROM UNAUTHORIZED ACCESS TO UNATTENDED TRENCHES. TRENCH EXCAVATION PERMIT REQUIRED. THIS APPLIES TO ALL TRENCHES ON PUBLIC AND PRIVATE PROPERTY.
- IN CASES WHERE LEDGE OR BouldERS ARE ENCOUNTERED, EVERETT M. BROOKS CO. INC. WILL NOT BE RESPONSIBLE FOR THE AMOUNT OF ROCK ENCOUNTERED.
- IF ANY PART OF THIS DESIGN IS TO BE ALTERED IN ANY WAY, THE DESIGN ENGINEER, AS WELL AS THE APPROVING AUTHORITIES, SHALL BE NOTIFIED IN WRITING BEFORE CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEERING DIVISION 48 HOURS IN ADVANCE AND SCHEDULE AN APPOINTMENT TO HAVE THE DRAINAGE SYSTEM, WATER & SEWER SERVICES INSPECTED. THE SYSTEM & UTILITIES MUST BE FULLY EXPOSED FOR THE INSPECTOR. ONCE THE INSPECTOR IS SATISFIED, THE SYSTEM & UTILITIES MAY THEN BE BACKFILLED.
- PRIOR TO AN OCCUPANCY PERMIT BEING ISSUED, AN AS-BUILT PLANS SHOULD BE SUBMITTED TO THE ENGINEERING DIVISION IN BOTH DIGITAL FORMAT AND HARD COPY. THE PLAN SHOULD SHOW ALL UTILITIES AND DRAINAGE (INCLUDING SWING-TIES), EASEMENTS AND FINAL GRADING.
- THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE DESIGN ENGINEER FOR INSPECTIONS OR AS-BUILT LOCATIONS. EVERETT M. BROOKS CO. INC. WILL NOT PROVIDE AS-BUILT CERTIFICATIONS TO UNINSPECTED BACKFILLED UTILITIES. A MINIMUM OF 48 HOURS NOTICE IS REQUIRED PRIOR TO INSPECTIONS.
- IF A CERTIFICATE OF OCCUPANCY IS REQUESTED PRIOR TO ALL SITE WORK BEING COMPLETED, THE APPLICANT WILL BE REQUIRED TO POST A CERTIFIED BANK CHECK IN THE AMOUNT TO COVER THE REMAINING WORK. THE CITY ENGINEER SHALL DETERMINE THE VALUE OF THE UNCOMPLETED WORK.
- APPROVAL OF THIS PLAN BY THE CITY OF NEWTON ENGINEERING DIVISION IMPLIES THAT THE PLAN MEETS THE MINIMAL DESIGN STANDARDS OF THE CITY OF NEWTON. HOWEVER, THE ENGINEERING DIVISION MAKES NO REPRESENTATIONS AND ASSUMES NO RESPONSIBILITY FOR THE DESIGN(S) IN TERMS OF SUITABILITY FOR THE SITE CONDITIONS OR OF THE FUNCTIONALITY OR PERFORMANCE OF ANY ITEMS CONSTRUCTED IN ACCORDANCE WITH THE DESIGN(S). THE CITY OF NEWTON ASSUMES NO LIABILITIES FOR DESIGN ASSUMPTIONS, ERRORS OR OMISSIONS BY THE ENGINEER OF RECORD.
- PROPOSED SEWER PIPE SHALL BE 6" PVC SDR 35
- PROPOSED DOMESTIC WATER SERVICE SHALL BE 2" TYPE K COPPER.
- PROPOSED FIRE PROTECTION WATER PIPE SHALL BE 4" DUCTILE IRON.
- PROPOSED DRAIN PIPES SHALL BE A MINIMUM OF 4" PVC PIPING. ANY DRAIN PIPES WITH LESS THAN FOUR (4) FEET OF COVER UNDER ROADWAYS AND DRIVEWAYS SHALL BE PVC SCHEDULE 80 OR DUCTILE IRON (H20 LOADING).
- PROPOSED SEWER SERVICE LINE SHALL BE PRESSURE TESTED PRIOR TO USE.
- THE EXISTING WATER & SEWER SERVICES SHALL BE CUT AND CAPPED AT THE MAIN AND COMPLETELY REMOVED FROM THE SITE AND PROPERLY BACKFILLED. THE ENGINEERING DIVISION MUST INSPECT THE WORK; FAILURE TO HAVE THIS WORK INSPECTED MAY RESULT IN THE DELAY OF ISSUANCE OF THE UTILITY CONNECTION PERMIT.
- ALL OF THE ROOF RUNOFF FROM THE PROPOSED ROOF SURFACES SHALL BE COLLECTED BY GUTTERS AND DIRECTED TO THE PROPOSED DRAINAGE SYSTEM.
- ALL TOPSOIL, SUBSOIL OR IMPERVIOUS SOIL MUST BE EXCAVATED AND REMOVED BELOW THE LEACHING ARE AND TO A DISTANCE 5' LATERSLLY IN ALL DIRECTIONS BEYOND THE SIDES OF THE AREA. BACKFILL IS REQUIRED WITH A CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES. THE SAND SHALL HAVE A PERCOLATION RATE OF 2 MINUTES PER INCH OR FASTER.
- WHENEVER PROPOSED SEWER PIPE DOES NOT HAVE A MINIMUM OF 10' HORIZONTAL SEPARATION OR IS NOT AT LEAST 18" VERTICALLY BELOW THE EXISTING OR PROPOSED WATER PIPE, THE SEWER PIPE SHALL BE ENCASED IN CONCRETE.
- THIS PLAN IS THE RESULT OF AN INSTRUMENT SURVEY DONE ON THE GROUND
- ALL PROPOSED WALLS BY OTHERS.
- CONSTRUCTION FENCING AND SILT FENCING SHALL BE PLACED AROUND THE ENTIRE SITE, AS REQUIRED.

SOIL LOG: SOIL EVALUATOR: SCOTT GODDARD #893
PROFESSIONAL ENGINEER: MICHAEL S. KOSMO, PE

TEST HOLE #1 (TH#1)	TEST HOLE A (TH-A)	TEST HOLE C (TH-C)
DATE: 5/11/07	DATE: 1/23/19	DATE: 1/23/19
ELEVATION = 74.7	ELEVATION = 73.9	ELEVATION = 72.7
0-6" A LOAMY SAND	0-108" A/F FILL	0-108" FILL
6"-102" FILL	108"-114" C SILT	
NO MOTTLES OBSERVED	NO MOTTLES OBSERVED	NO MOTTLES OBSERVED
NO GROUNDWATER OBSERVED	WEEPING OBSERVED @ 108"	NO GROUNDWATER OBSERVED
NO LEDGE OBSERVED	NO LEDGE OBSERVED	NO LEDGE OBSERVED
TEST HOLE #2 (TH#2)	TEST HOLE B (TH-B)	TEST HOLE D (TH-D)
DATE: 5/11/07	DATE: 1/23/19	DATE: 8/21/19
ELEVATION = 74.8	ELEVATION = 78.0	ELEVATION = 74.2
0-8" A LOAMY SAND	0-100" A/F FILL	0-108" FILL
8"-36" FILL	100"-108" C SILT	
36"-120" C SAND & GRAVEL		
NO MOTTLES OBSERVED	NO MOTTLES OBSERVED	NO MOTTLES OBSERVED
NO GROUNDWATER OBSERVED	WEEPING OBSERVED @ 108"	NO GROUNDWATER OBSERVED
NO LEDGE OBSERVED	NO LEDGE OBSERVED	NO LEDGE OBSERVED
PERCOLATION TEST #2 (PT#2)	TEST HOLE E (TH-E)	TEST HOLE F (TH-F)
DEPTH: 36"-48"	DATE: 8/21/19	DATE: 8/21/19
DESIGN RATE: 7 MPI	ELEVATION = 79.3	ELEVATION = 79.3
	0-42" FILL	0-42" FILL
	42"-66" A LOAMY SAND	42"-66" A LOAMY SAND
	66"-90" C SILTY SAND	66"-90" C SILTY SAND
	NO MOTTLES OBSERVED @ 66"	NO MOTTLES OBSERVED @ 66"
	NO GROUNDWATER OBSERVED	NO GROUNDWATER OBSERVED
	NO LEDGE OBSERVED	NO LEDGE OBSERVED

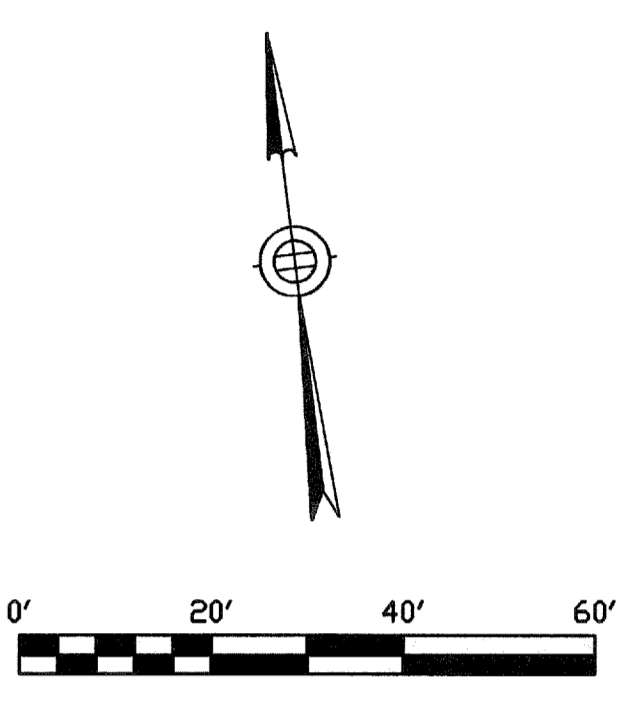


PROPOSED UTILITIES & GRADING

SCALE: 1 IN. = 20 FT.

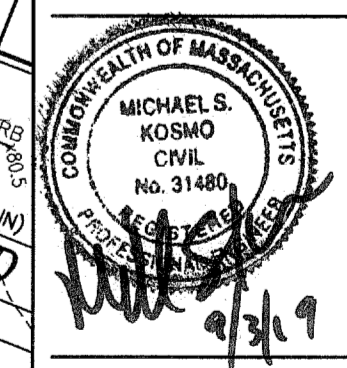
EMB
EVERETT M. BROOKS CO.
SURVEYORS & ENGINEERS
49 LEXINGTON STREET
WEST NEWTON, MA 02465

(617) 527-8750
info@everettbrooks.com



LEGEND

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- ⊗ GAS GATE
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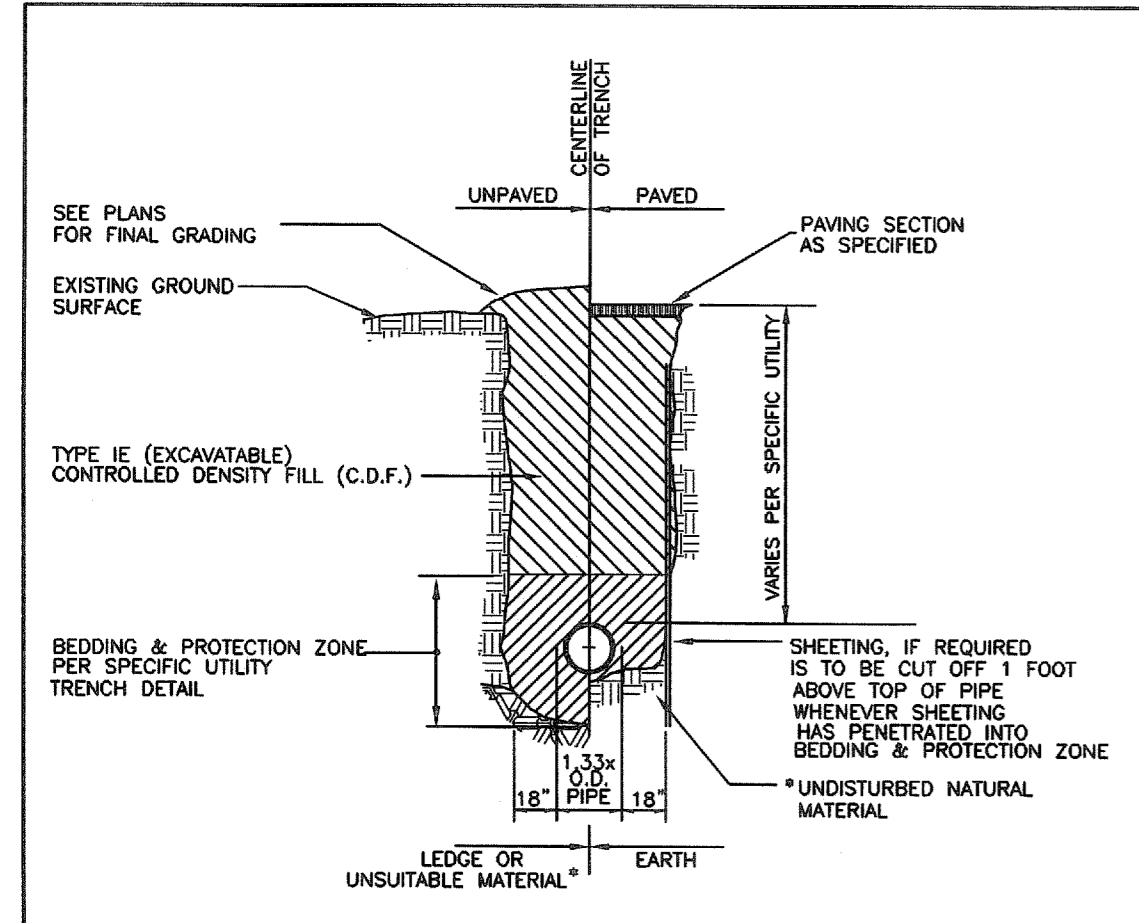


SITE PLAN OF LAND IN NEWTON, MA
15-21 LEXINGTON STREET

SCALE: 1 IN. = 20 FT.
DATE: SEPTEMBER 3, 2019
DRAWN: ES
CHECK: MSK & BB

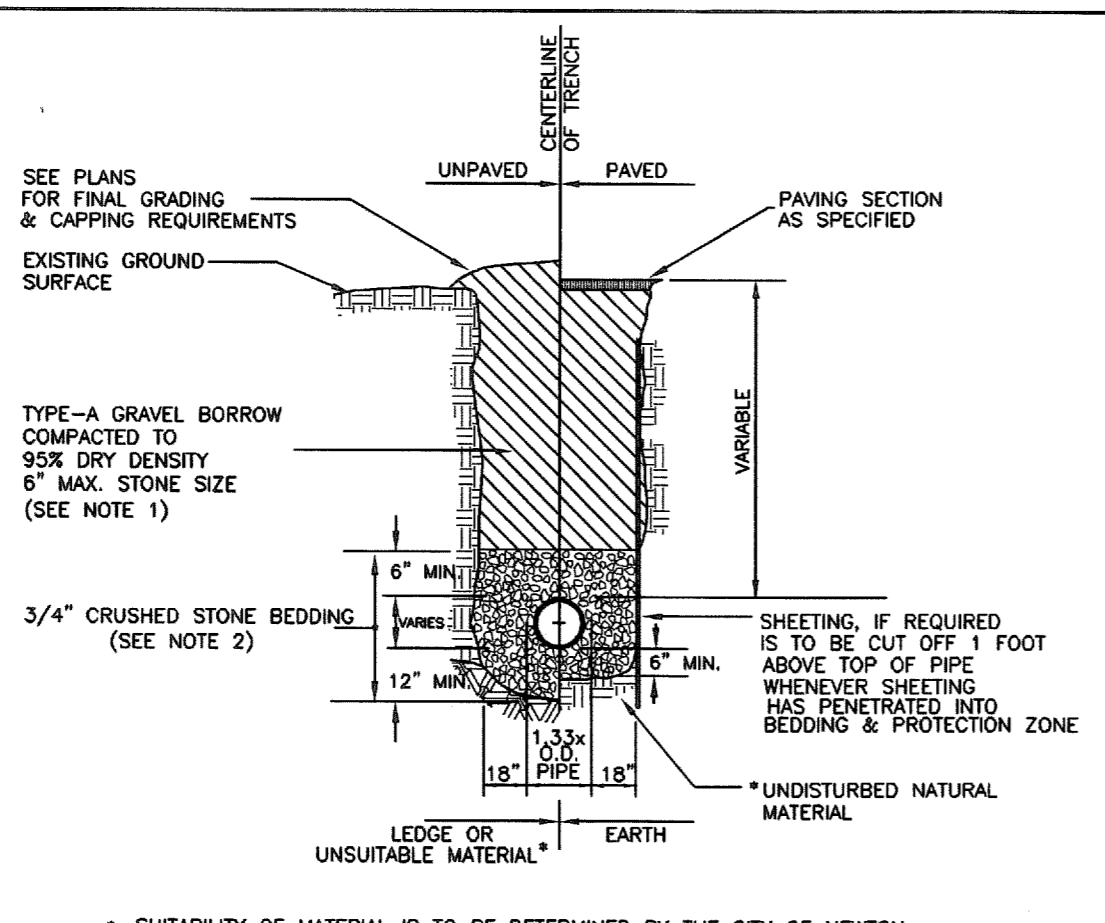
REVISIONS:

PROJECT NO. 24884 SHEET 3 OF 4



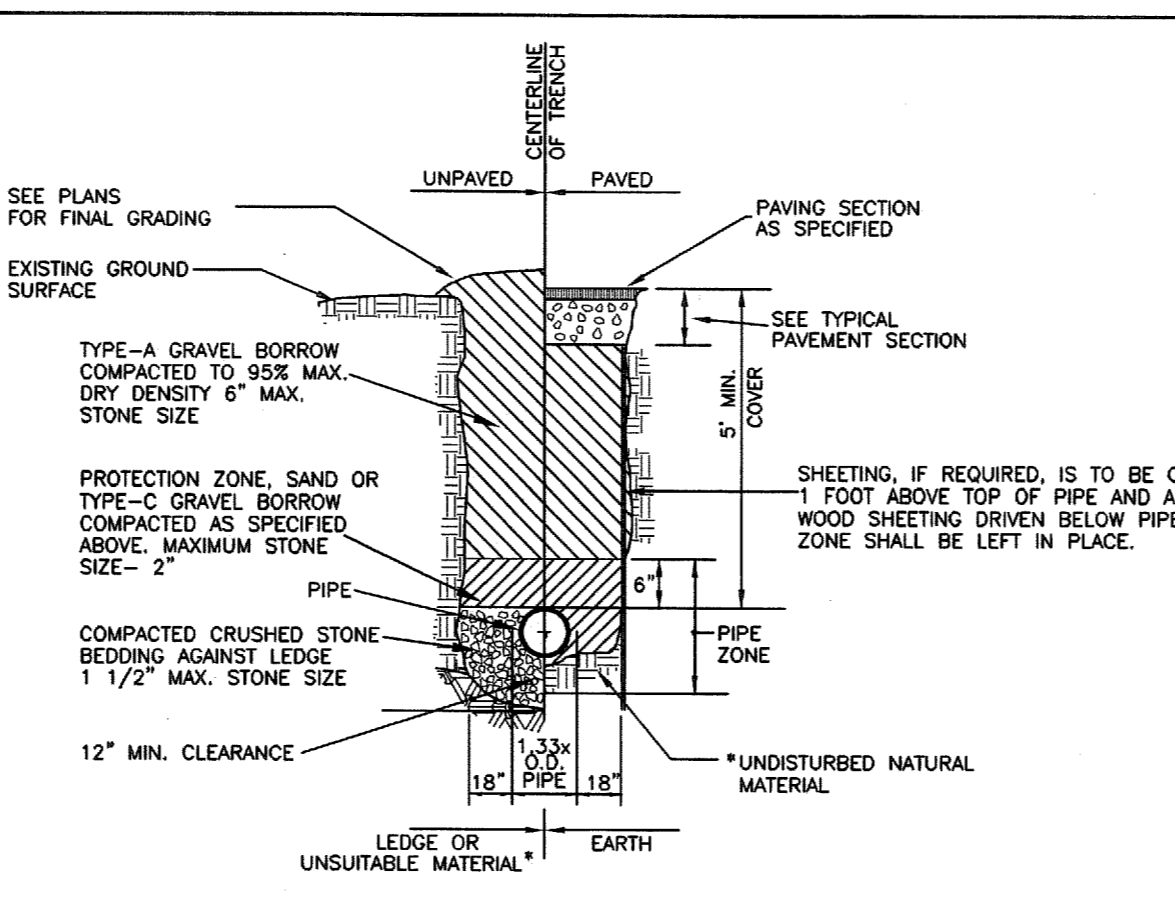
* SUITABILITY OF MATERIAL IS TO BE DETERMINED BY THE CITY OF NEWTON.

TYPICAL C.D.F. TRENCH DETAIL
 N.T.S.



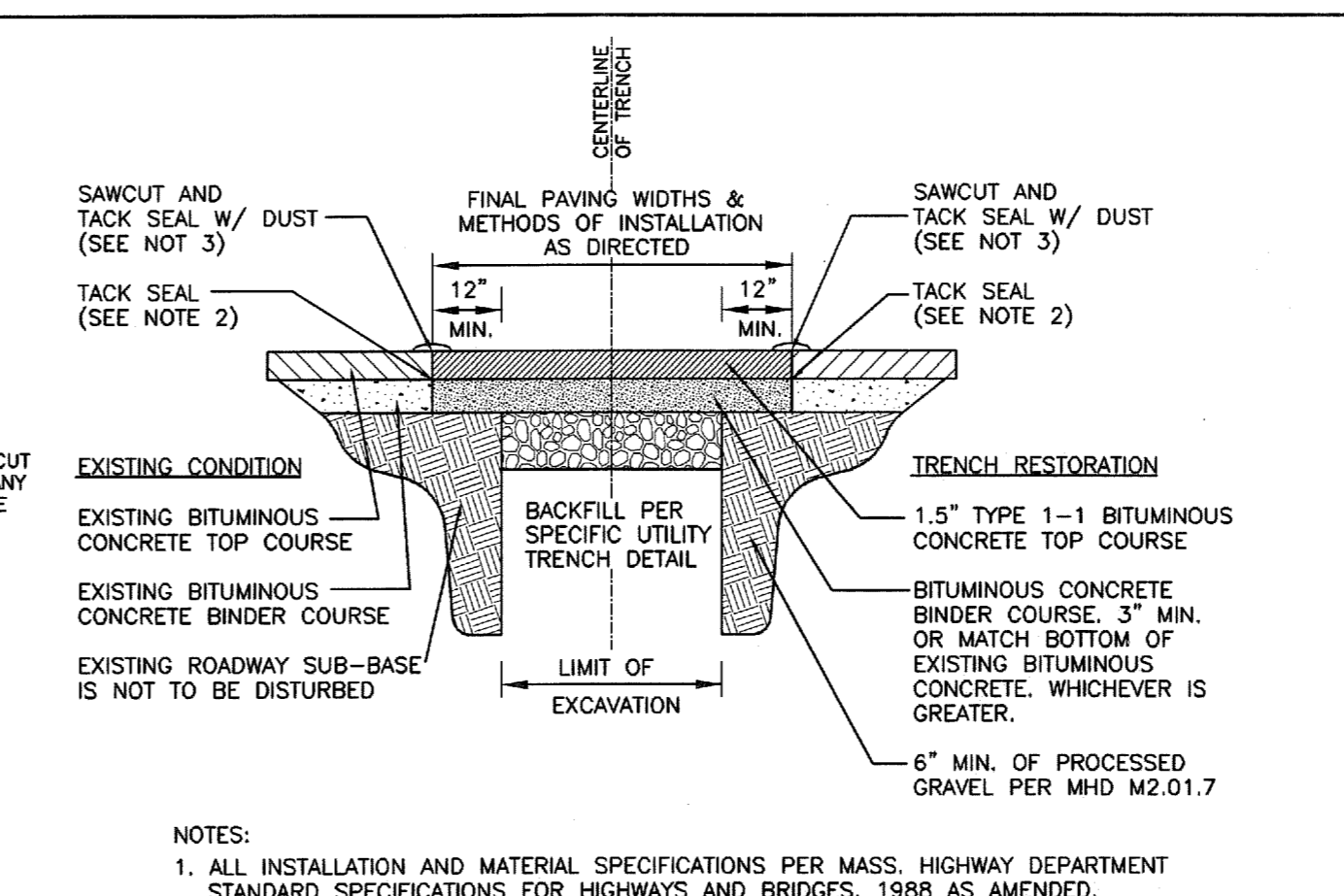
* SUITABILITY OF MATERIAL IS TO BE DETERMINED BY THE CITY OF NEWTON.

GRAVITY SEWER TRENCH DETAIL
 N.T.S.



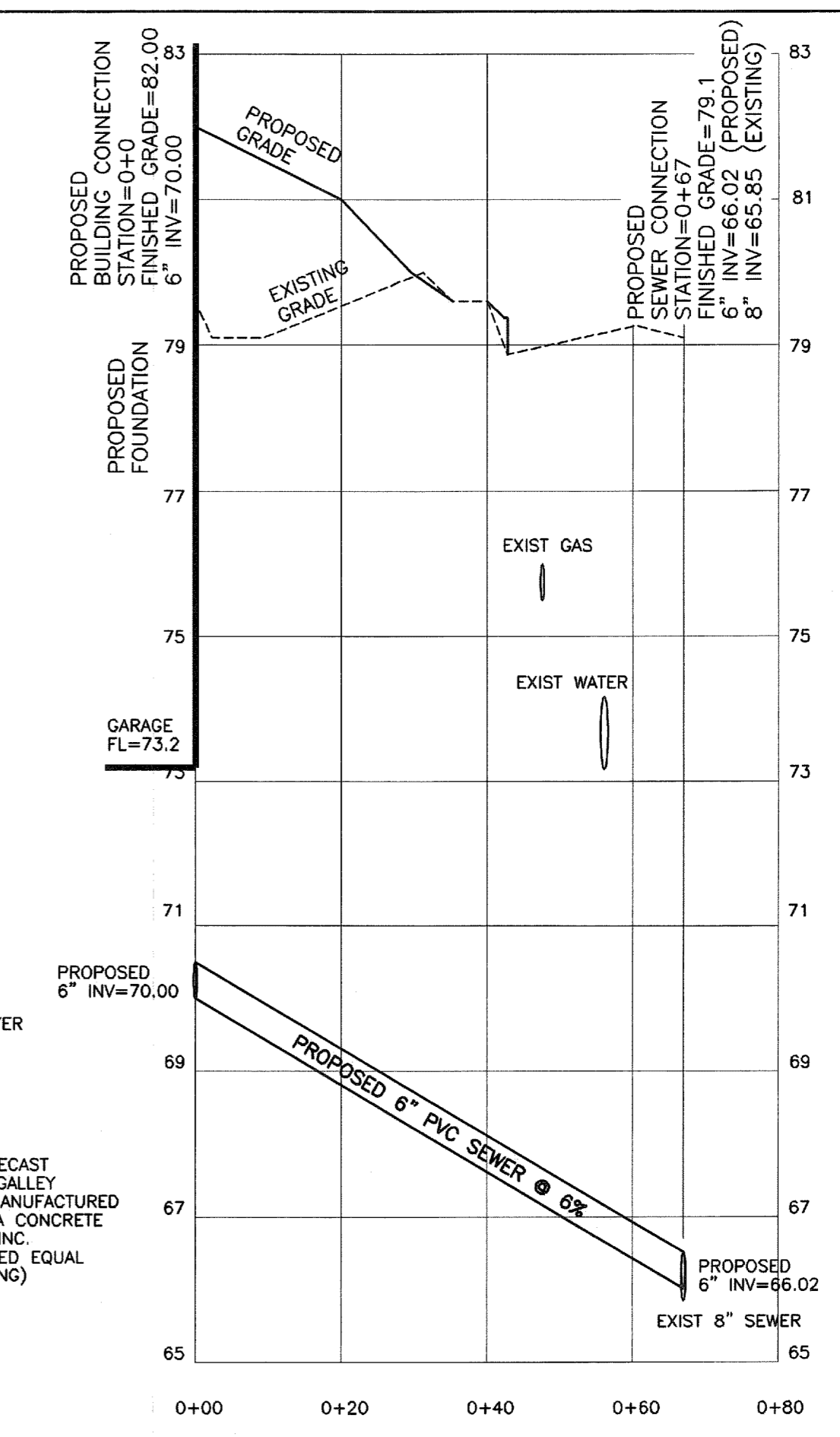
* SUITABILITY OF MATERIAL IS TO BE DETERMINED BY THE CITY OF NEWTON.

TYPICAL WATER TRENCH DETAIL
 N.T.S.

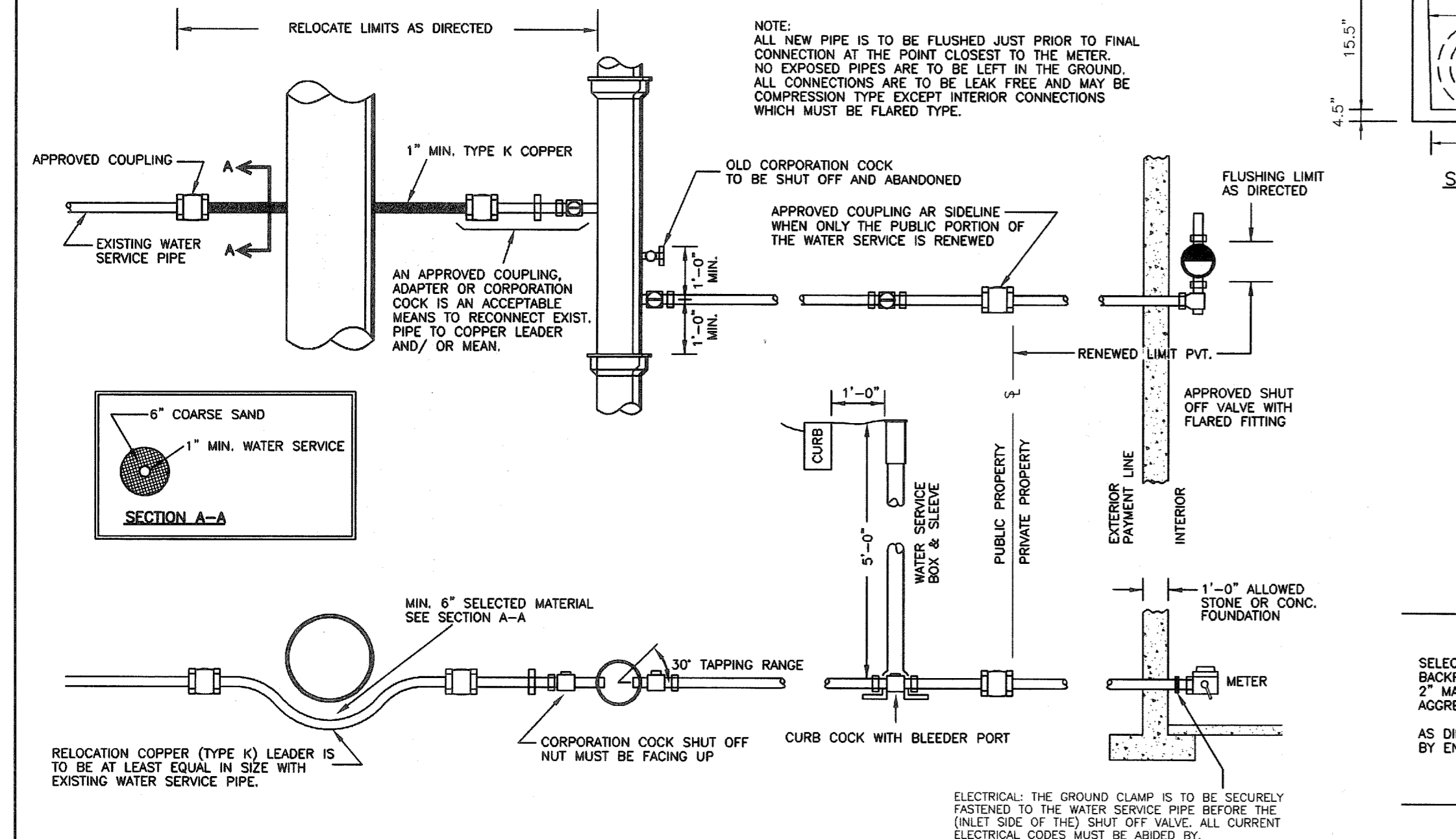


NOTES:
 1. ALL INSTALLATION AND MATERIAL SPECIFICATIONS PER MASS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, 1988 AS AMENDED.
 2. ALL EXPOSED BITUMINOUS CONCRETE IS TO BE TACKED PER MHD PRIOR TO NEW BITUMINOUS CONCRETE INSTALLATIONS.
 3. ALL EXPOSED JOINTS ARE TO BE SEALED WITH TACK AND STONE DUST.

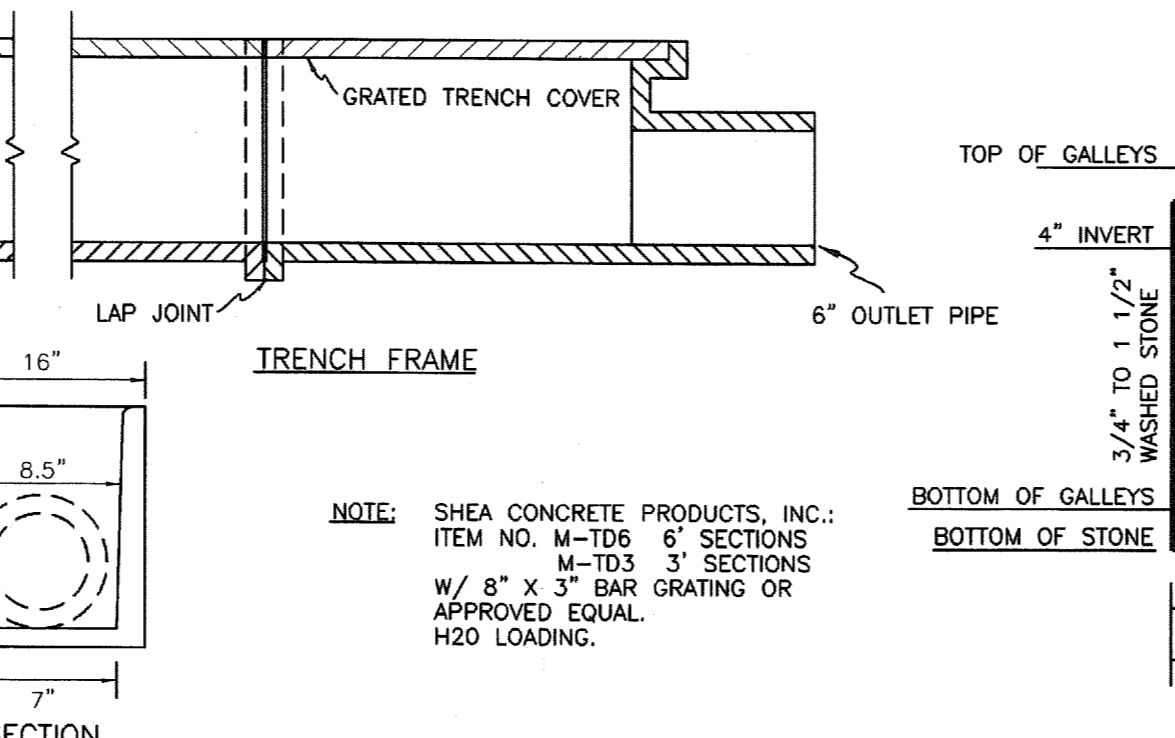
TYPICAL TRENCH REPAIR & PAVEMENT SECTION DETAIL
 N.T.S.



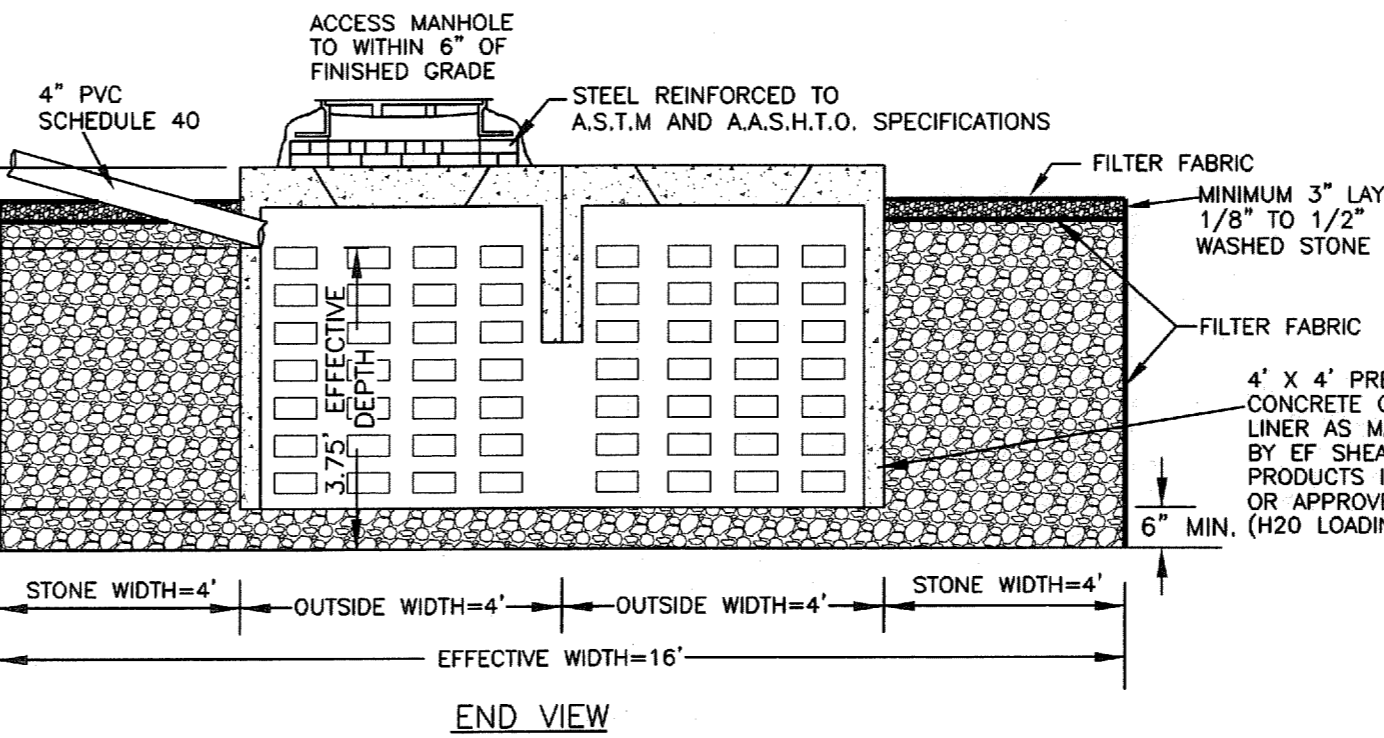
PROPOSED SEWER CONNECTION #1
 N.T.S.



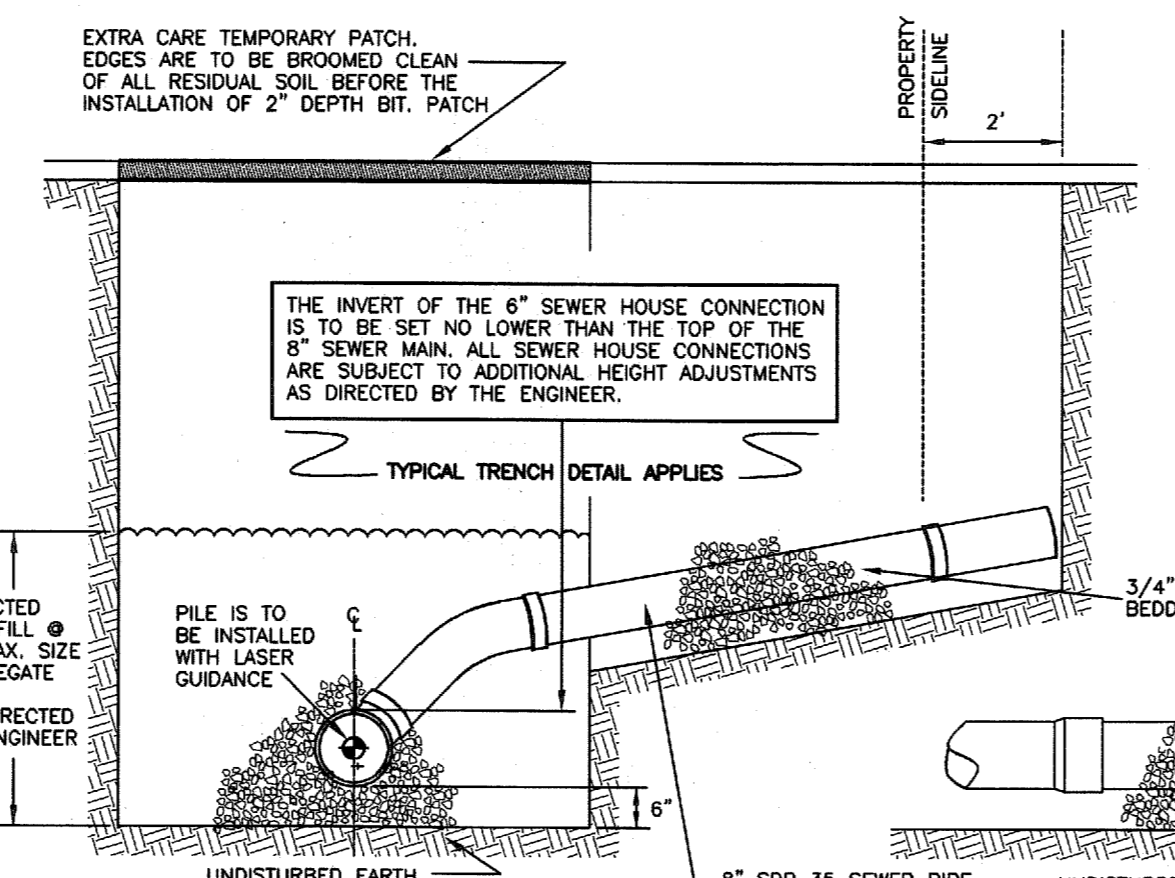
TYPICAL WATER SERVICE CONFIGURATION
 N.T.S.



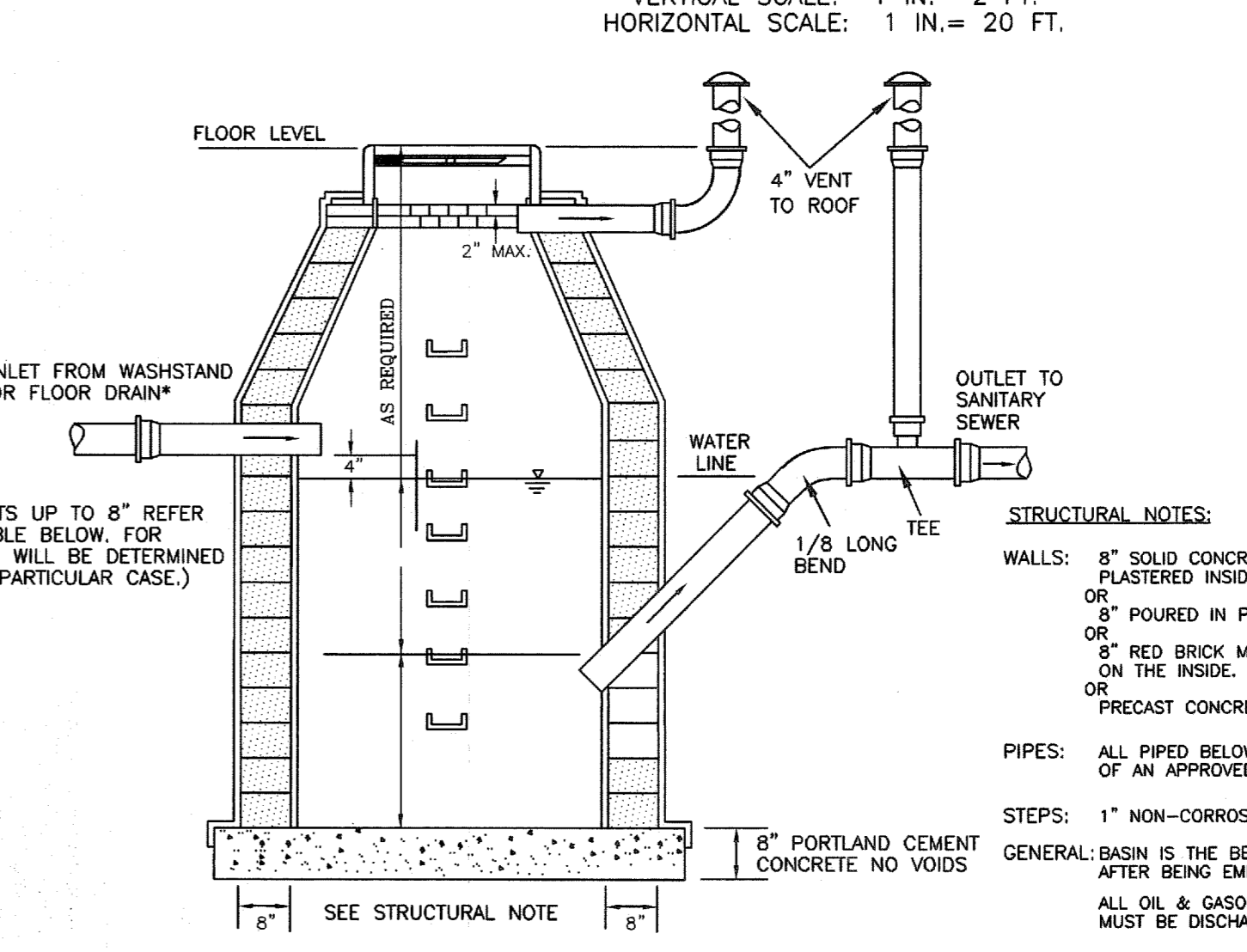
TRENCH DRAIN DETAIL
 N.T.S.



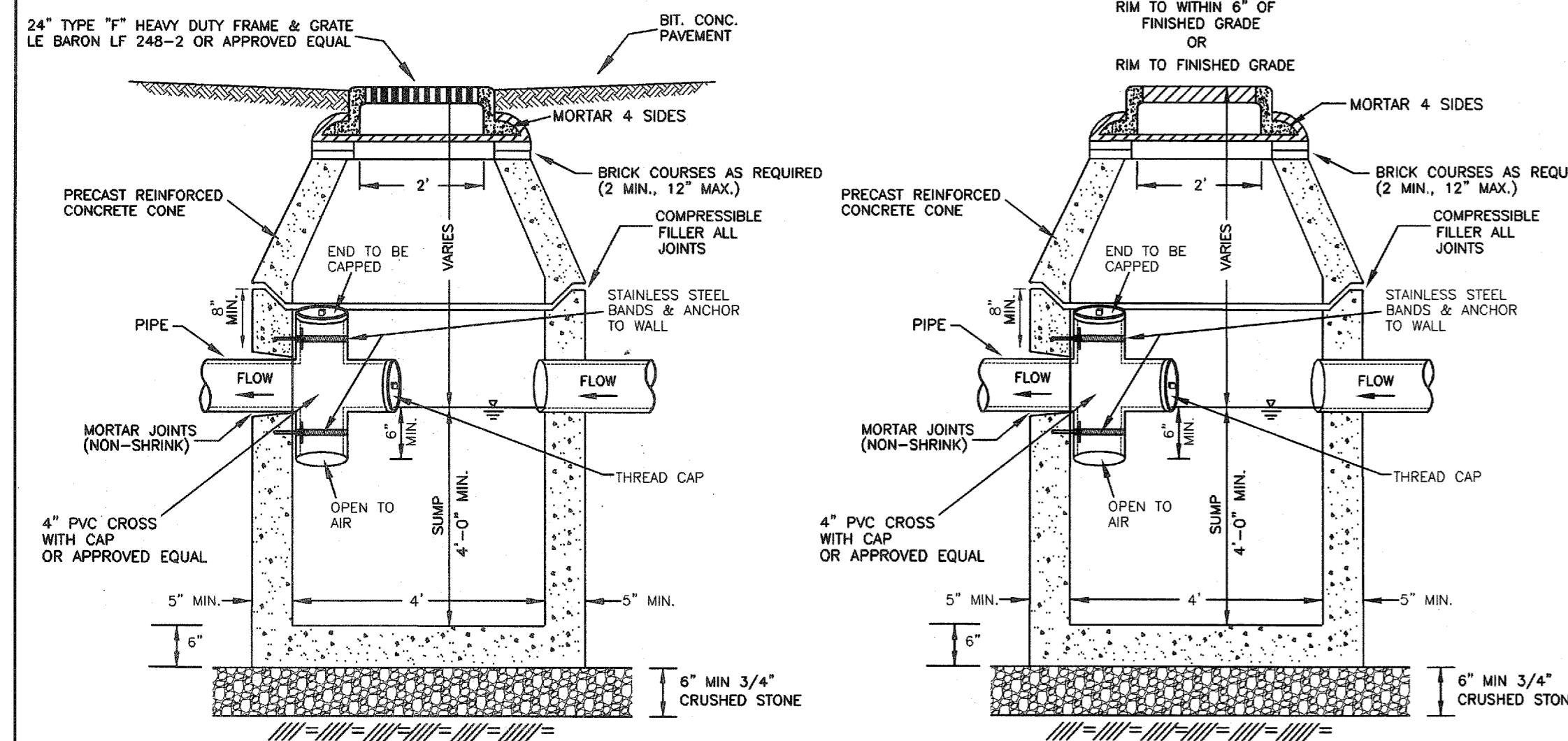
LEACHING GALLEY DETAIL
 N.T.S.



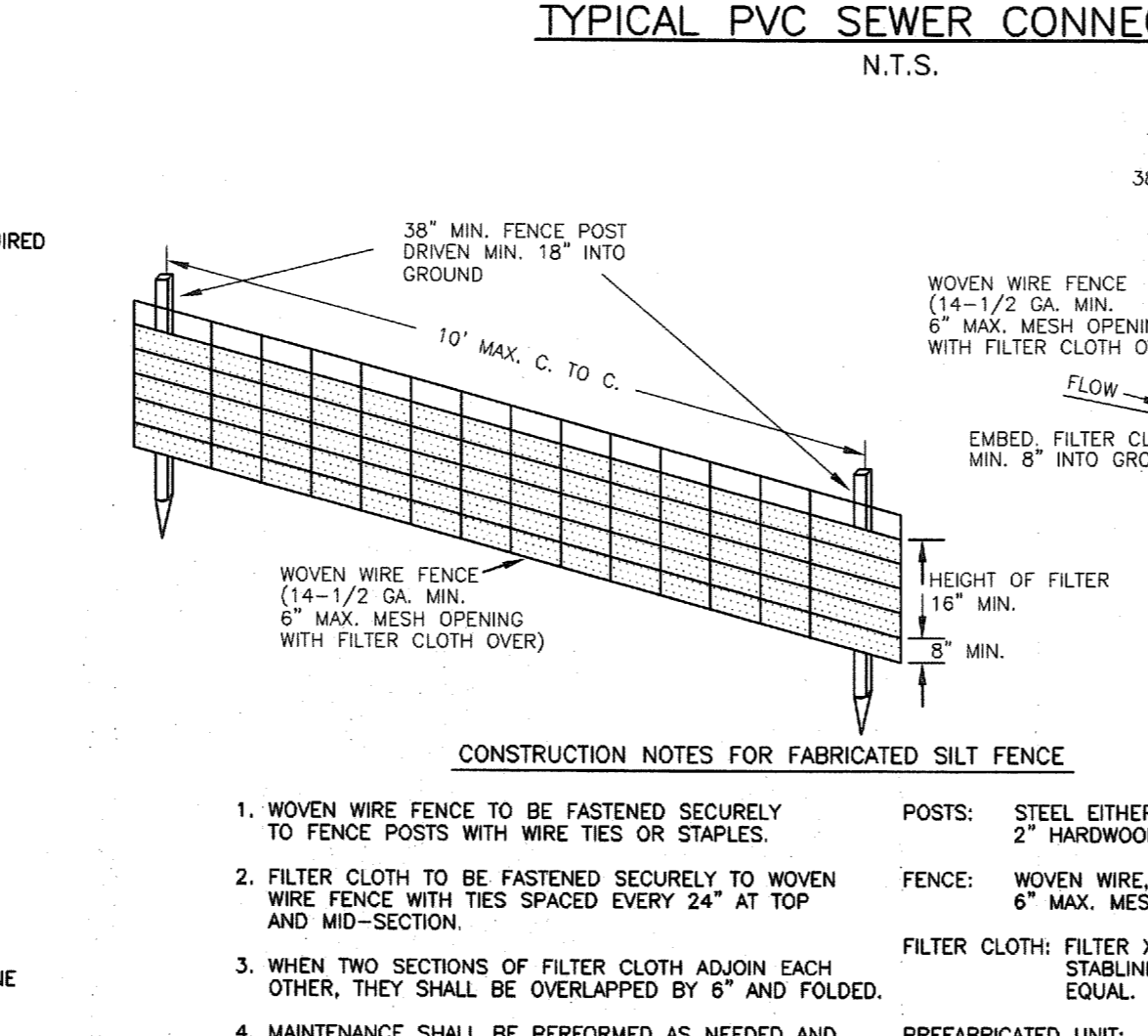
TYPICAL PVC SEWER CONNECTION
 N.T.S.



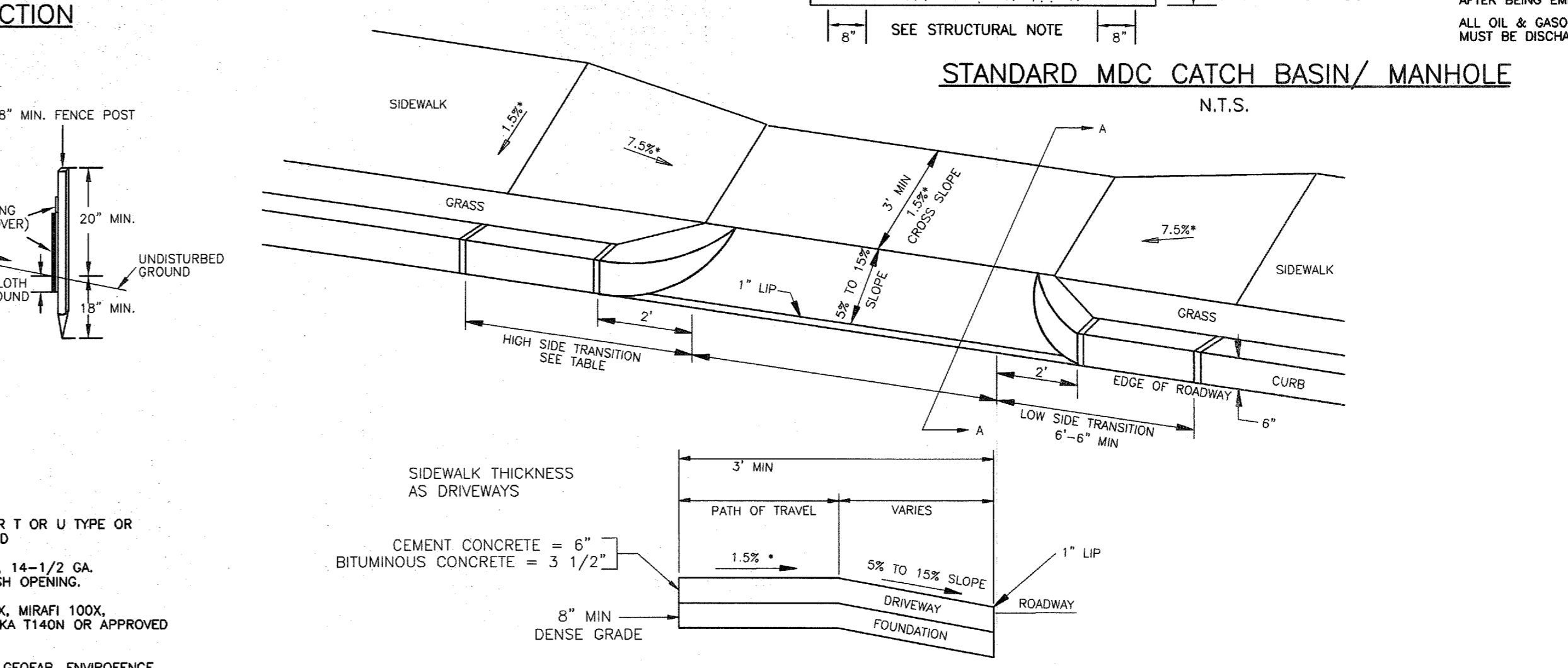
STANDARD MDC CATCH BASIN/ MANHOLE
 N.T.S.



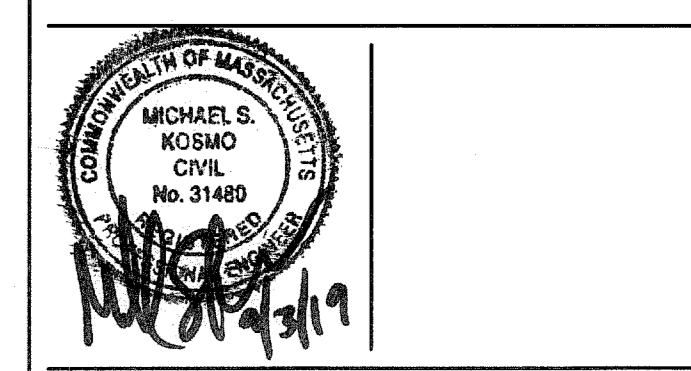
TYPICAL PRECAST CONCRETE CATCH BASIN WITH PVC GAS TRAP
 N.T.S.



SILT FENCE DETAIL
 N.T.S.



DRIVEWAY APRON WITH CORNER BLOCKS
 N.T.S.



SITE PLAN OF LAND IN NEWTON, MA
 15-21 LEXINGTON STREET
 SCALE: 1 IN. = 20 FT.
 DATE: SEPTEMBER 3, 2019
 DRAWN: ES
 CHECK: MSK & BB
 REVISIONS:
 PROJECT NO. 24884 SHEET 4 OF 4