### LEGEND

### TBR TBR EXISTING FENCE EXISTING CONTOUR LINE PROPOSED CONTOUR LINE PROPOSED PAVEMENT SAWCUT PROPOSED SPOT GRADE PROPOSED SLOPE DOWN EXISTING UTILITY POLE EXISTING LIGHT EXISTING CATCH BASIN EXISTING FIRE HYDRANT TOP OF CURB PROPOSED PAVEMENT EXISTING SIGN TO BE REMOVED

SURVEYOR ENGINEERING, P.C.
CIVIL - STRUCTURAL - ENVIRONMENTAL NEWMARKET, NH 03857 PHONE: (603) 659-4979, FAX: (603) 659-4627 E-MAIL: MJS@MJS-ENGINEERING.COM

NORWAY PLAINS ASSOCIATES, INC. 2 CONTINENTAL BOULEVARD ROCHESTER, NEW HAMPSHIRE 03867 (603) 335-3948

ARCHITECT

# CIVIL/STRUCTURAL ENGINEER

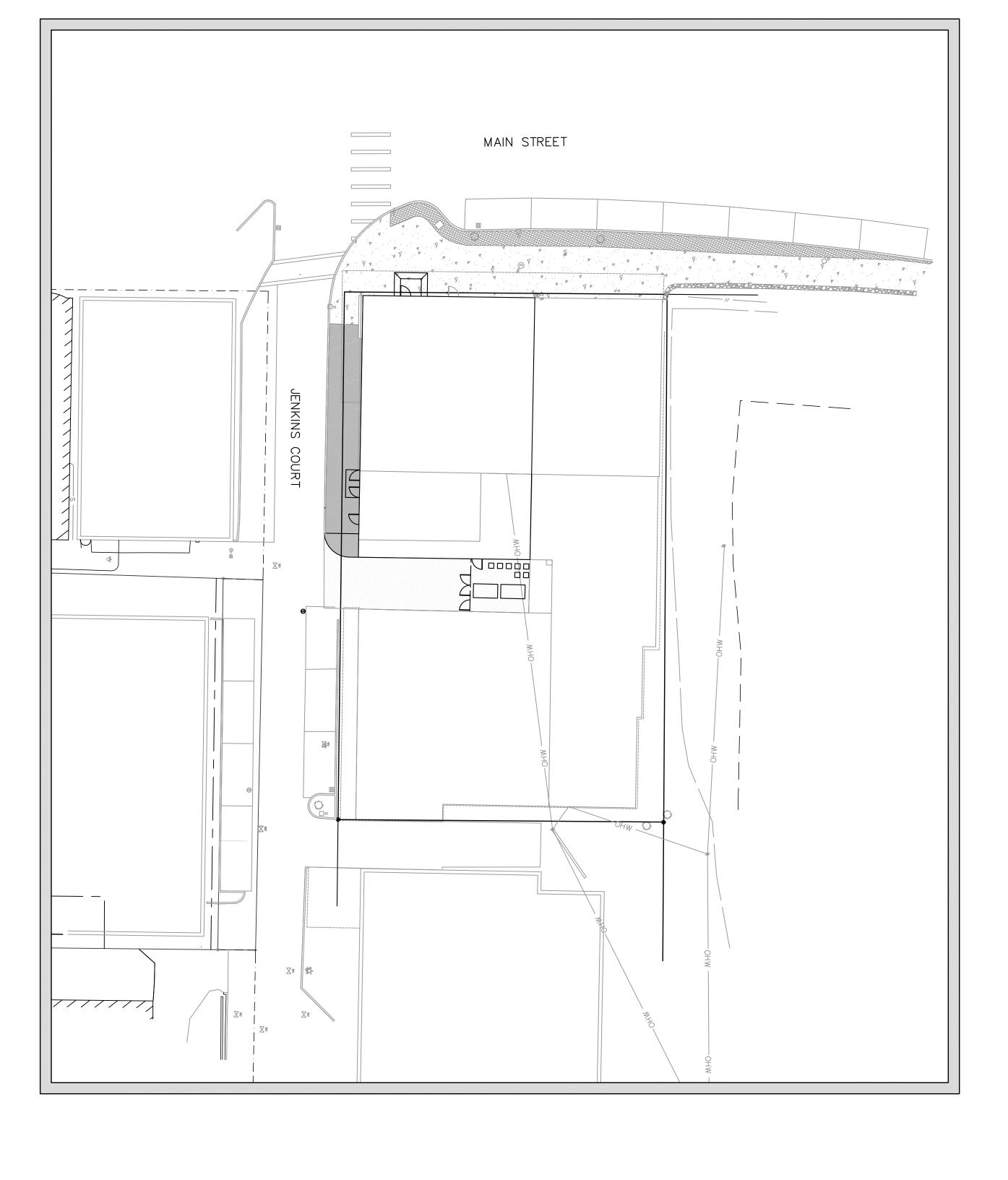
## **OWNER**

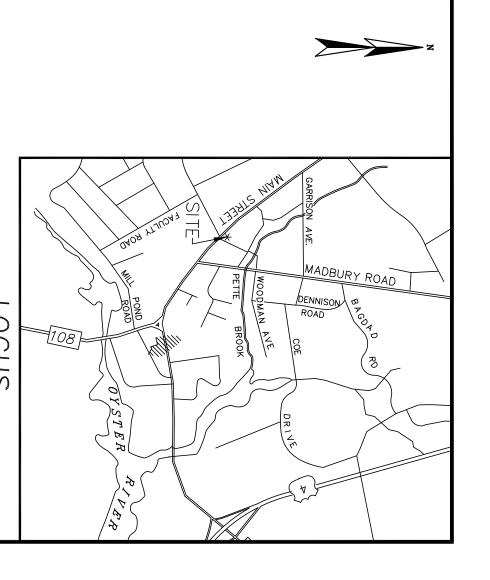
60 MAIN R.E., LLC 37 MAIN STREET UNIT O DURHAM, NH 03824 S.C.R.D. BOOK 4459, PAGE 2587

THA ARCHITECT, LLC 105 WILLOW BROOK AVE. STRATHAM, NH 03885 603-770-2491

# ION AND CONSTRUCTION OF A

60 MAIN STREET MAY 16, 2019 DURHAM, NH

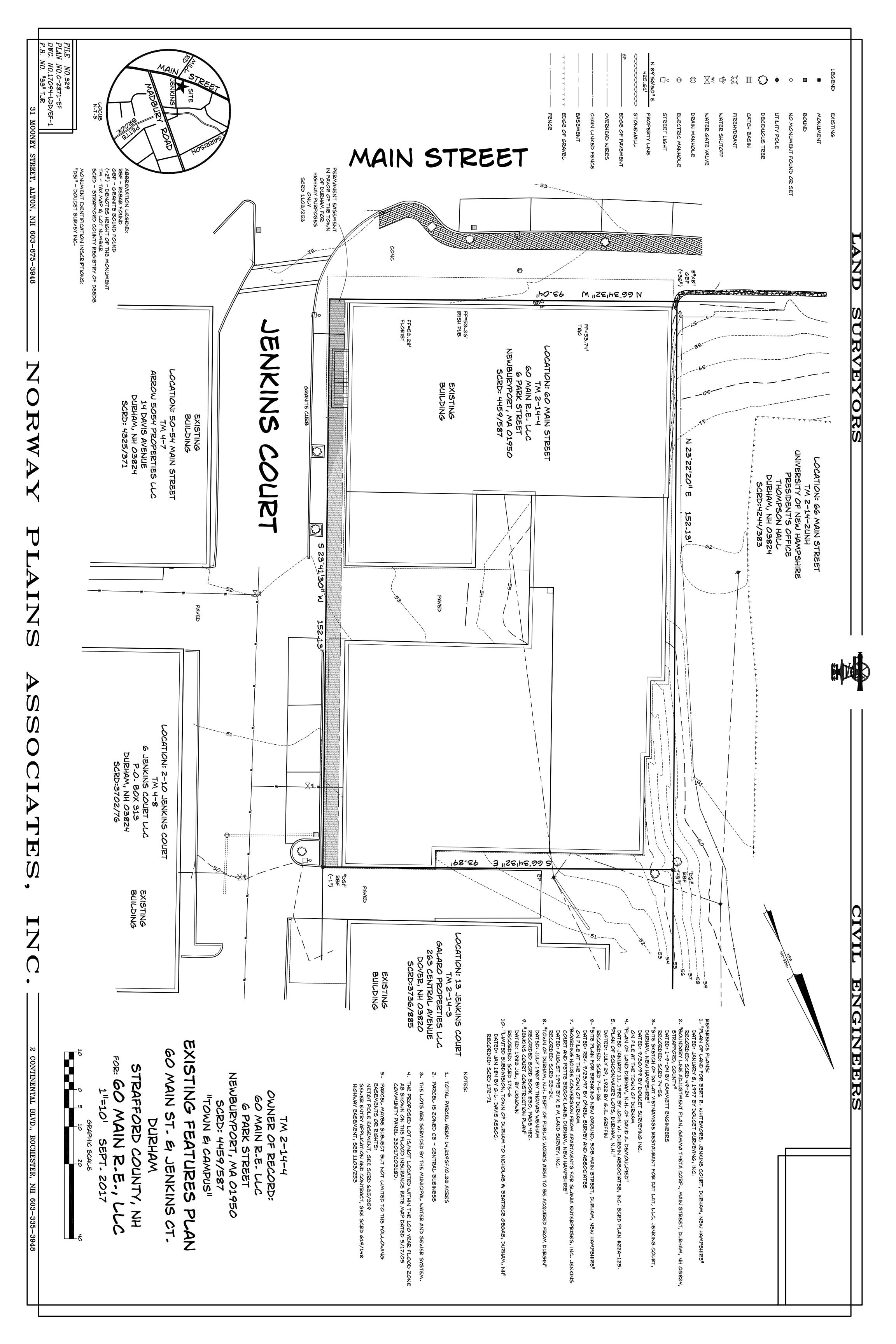


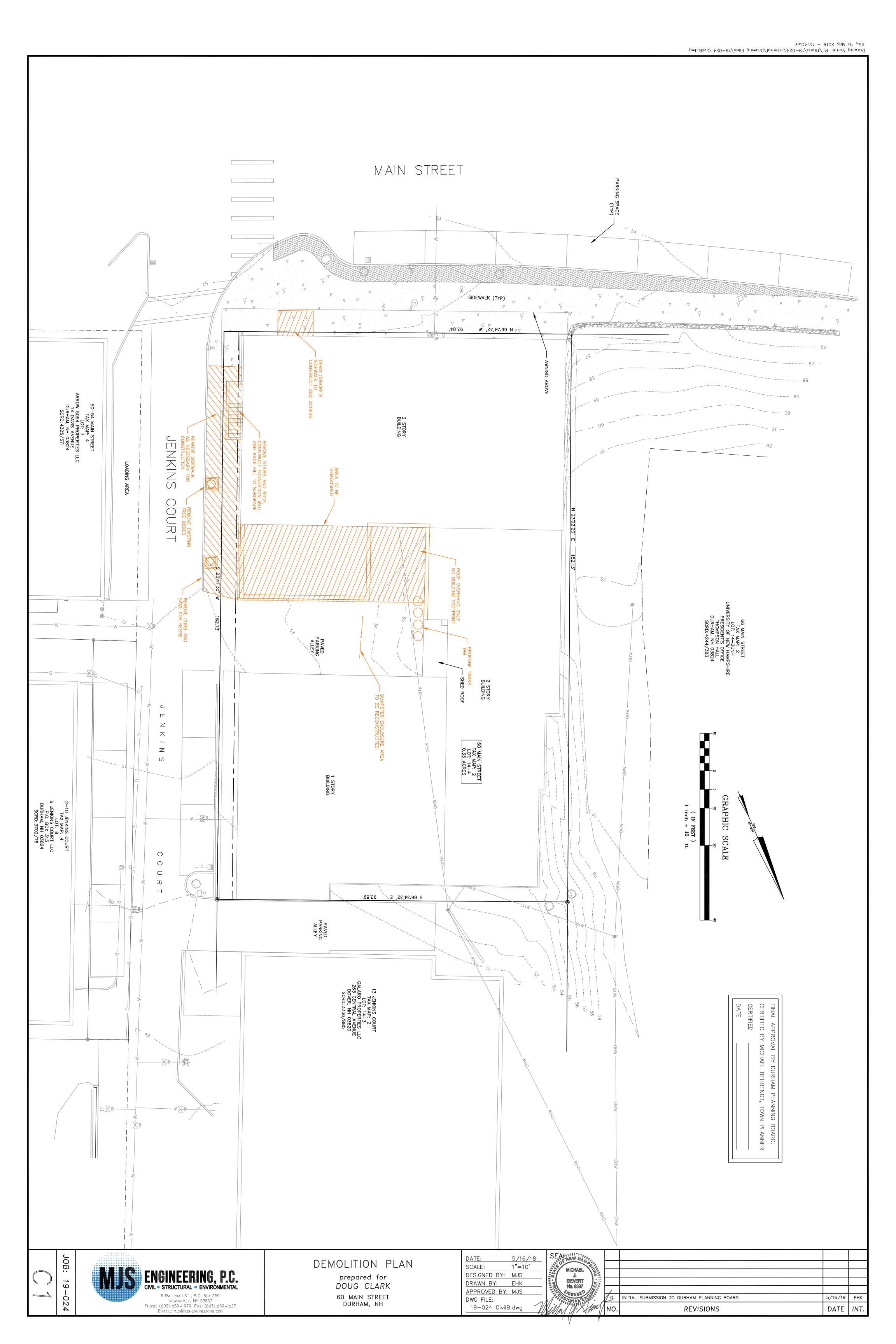


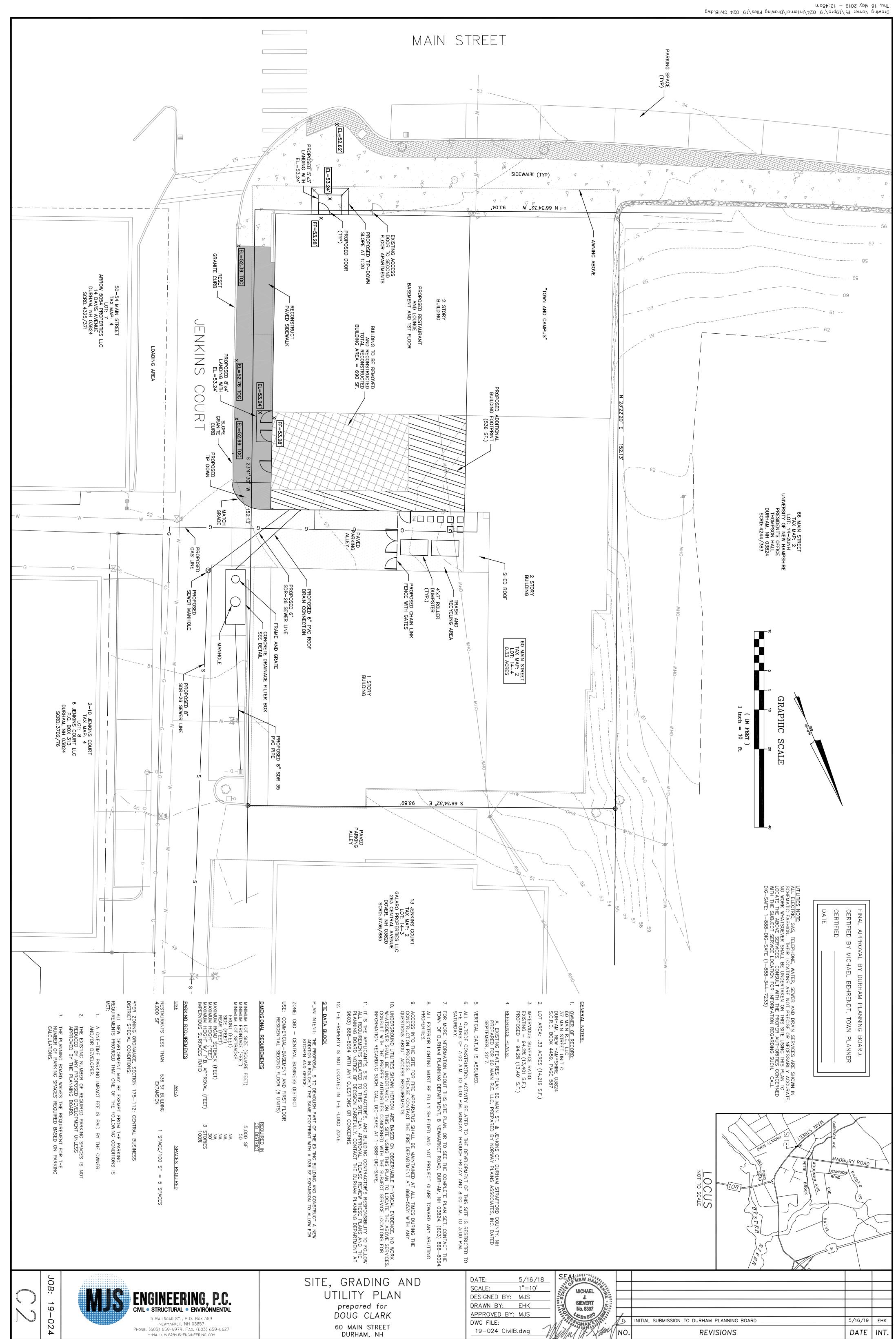
## TABLE OF CONTENTS

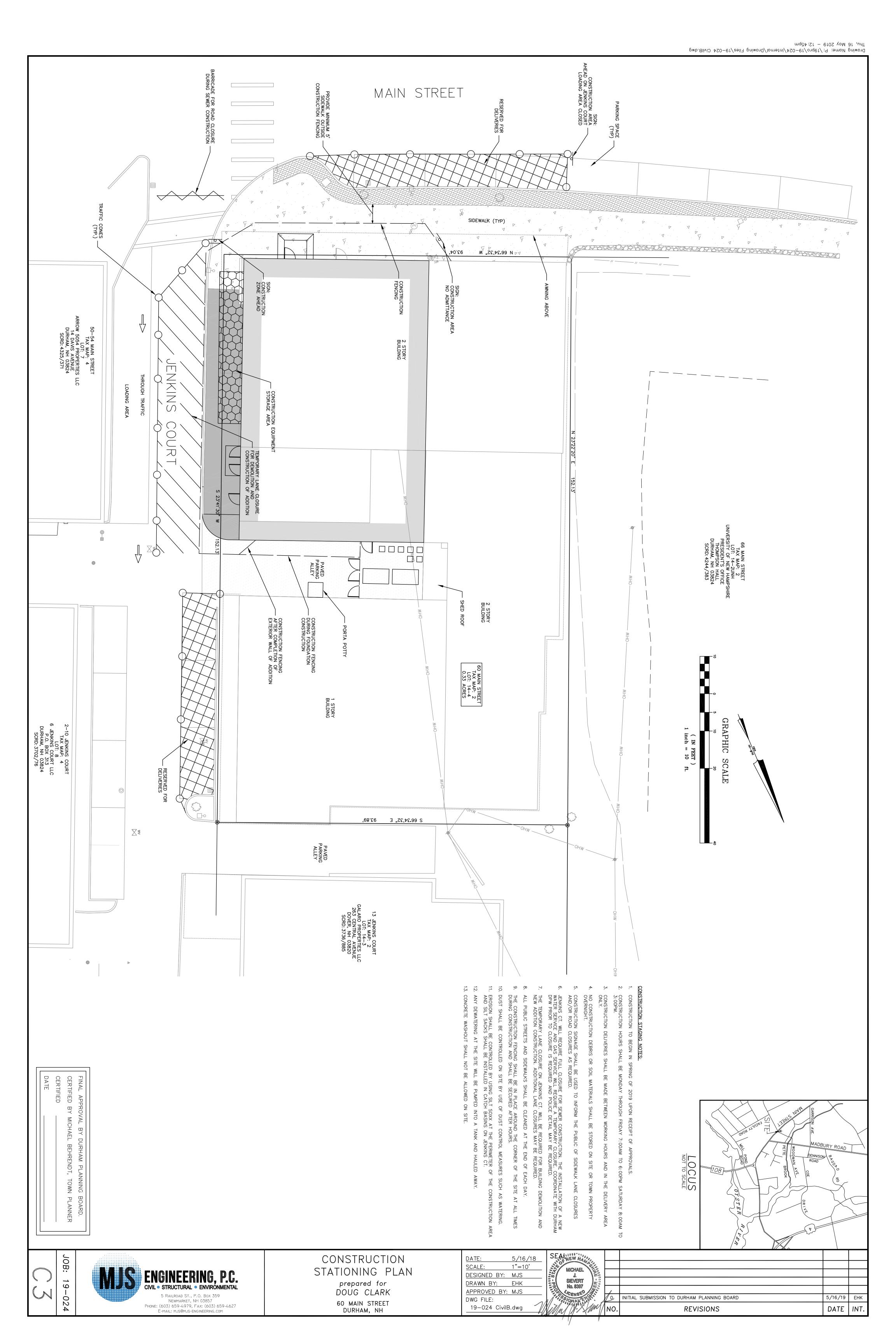
TITLE SHEET
EXISTING CONDITIONS PLANS
DEMOLITION PLAN
SITE, GRADING AND UTILITY PLAN
CONSTRUCTION STAGING PLAN
SANITARY SEWER PLAN
CONSTRUCTION DETAILS D1-D3

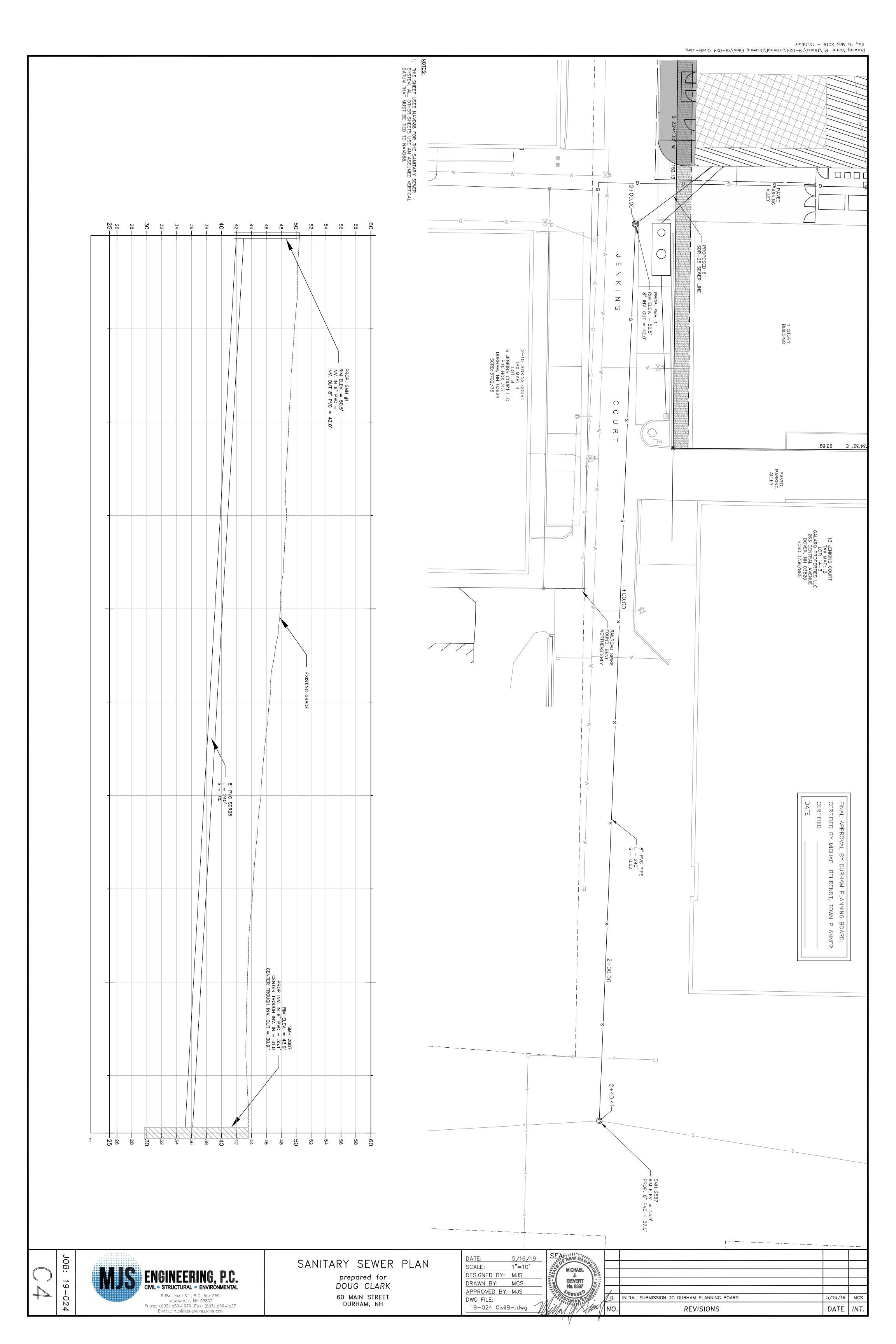
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1. COMPLETE PRE—CONSTRUCTION MEETING WITH ALL PARTIES AS REQUIRED BY CONDITIONS OF APPROVAL.
2. CONTACT DIG—SAFE, INDIVIDUAL UTILITIES, AND TOWN DEPARTMENTS TO GET ALL UTILITIES DISCONNECTED PRIOR TO START OF CONSTRUCTION. PROPERLY DISCONTINUE SERVICES OR TEMPORARILY CAP SERVICES AS NECESSARY AND IN ACCORDANCE WITH TOWN REQUIREMENTS.
3. CONTACT BUILDING DEMOLITION CONTRACTOR AND HAVE BUILDING CERTIFIED FROM ENVIRONMENTAL CONCERNS PRIOR TO DEMOLITION ANN RENOVATION.
4. INSTALL TEMPORARY CONSTRUCTION SAFETY FENCE (CHAINK LINK) IN ACCORDANCE WITH PLANS, DPW AND ABUTTERS.
5. COORDINATE TEMPORARY ROAD CLOSURE WITH DURHAM DPW AND POLICE DEPARTMENT FOR DEMOLITION OF EXISTING BUILDING TO BE REMOVED
6. INSTALL TEMPORARY EROSION CONTROLS INCLUDING SILT SOCKS PRIOR TO CONSTRUCTION.
7. REMOVE EXISTING BUILDING ADDITION AS SHOWN AND EXCAVATE FOR NEW FOUNDATION.
8. EXCAVATE FOR UTILITIES AND CONSTRUCT IN ACCORDANCE WITH SITE PLANS. COMPLETE ALL INSPECTIONS AND TESTING AS REQUIRED PRIOR TO BACKFILLING.
9. SAWCUT PAVEMENT. PERFORM CUTS AND FILLS AS NECESSARY.
10. INSTALL DRAINAGE STRUCTURE AND CONNECT TO BUILDING ROOF DRAIN SYSTEM.
11. INSTALL DRAINAGE STRUCTURE AND CONNECT TO BUILDING ROOF DRAIN SYSTEM.
12. INSTALL GRAVELS TO BRING ROAD AND SIDEWALKS TO GRADE. COMPACT ALL FILL AND SELECT MATERIALS PRIOR TO PAYING.

IIONAL NOTES:

NO FUEL SHALL BE STORED ON SITE DURING CONSTRUCTION.

NO FUEL SHALL BE STORED ON SITE DURING CONSTRUCTION.

NO FUEL SHALL BE STORED ON SITE DURING CONSTRUCTION.

DURING CONSTRUCTION DUST SHALL BE PREVENTED FROM BECOMING A SAFETY OR HEALTH HAZARD BY THE IMPLEMENTATION OF ACCEPTED CONTROL METHODS SUCH AS WATERING.

ALL CONSTRUCTION MATERIALS THAT ARE SPILLED OR DEPOSITED ON THE PUBLIC ROADWAYS SHALL BE REMOVED BY THE CONTRACTOR.

DO NOT BEGIN CONSTRUCTION UNTIL ALL LOCAL, STATE, AND FEDERAL PERMITS HAVE BEEN APPLIED FOR AND RECEIVED.

PAVING.

SAWCUT PAVEMENT EDGES AS SHOWN IN THE DETAILS AND RE—PAVE ALL DISTURBED AREAS.

INSPECT, MAINTAIN, AND IF NECESSARY, REPAIR ALL EROSION AND SEDIMENT CONTROL MEASURES.

REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AFTER SITE IS STABILIZED AND RESEED ANY AREAS DISTURBED BY REMOVAL.

THE ESTIMATED START OF CONSTRUCTION IS JUNE 2019 AND THE ESTIMATED END OF CONSTRUCTION IS FALL FOLLOWING CONSTRUCTION SEQUENCING SHALL BE FOLLOWED:

2019.

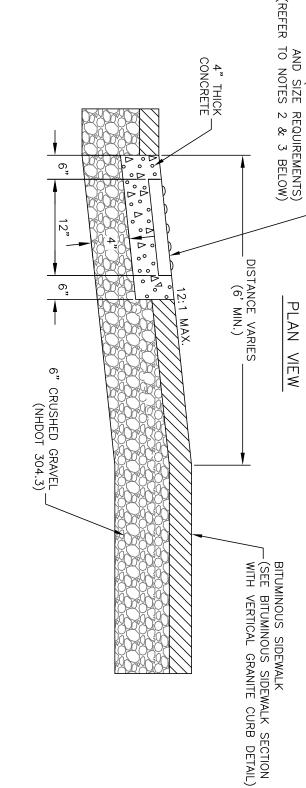
CONSTRUCTION SEQUENCING:

CATCH 2. FILTER TRAPS SHALL BE INSPECTED AFTER EVERY RAIN EVENT OF 0.25" OR GREATER AND SEDIMENTS SHALL BE REMOVED FROM TRAP WHEN SEDIMENT HAS REACHED TWO THIRDS OF THE DEPTH OF THE TRAP, OR IF PONDING OF WATER AT SURFACE BEGINS TO OCCUR. DO NOT PUNCTURE FILTER TRAP TO MITIGATE PONDING. SEDIMENT TRAP

1. GEOSYNTHETIC SEDIMENT FILTER TRAP SHALL BE 'REGULAR FLOW SILTSACK  ${}^{\tiny (\!R\!\!\!)}$  OR APPROVED EQUAL. SPECIFICATIONS FOR SILTSACK  ${}^{\tiny (\!R\!\!\!)}$  ARE DETAILED.

DETECTA WARNING MAT DETAIL

XIMUM CROSS SLOPE OF SIDEWALK NCRETE TO BE 4,000 PSF.
FER TO MANUFACTURER'S SPECIFIC, DETECTABLE WARNING MATS. 10 먪



GRAB TENSILE STRENGTH
GRAB TENSILE ELONGATION
PUNCTURE
MULLEN BURST
TRAPEZOID TEAR
UV RESISTANCE
APPARENT OPENING SIZE
FLOW RATE
PERMITTIVITY

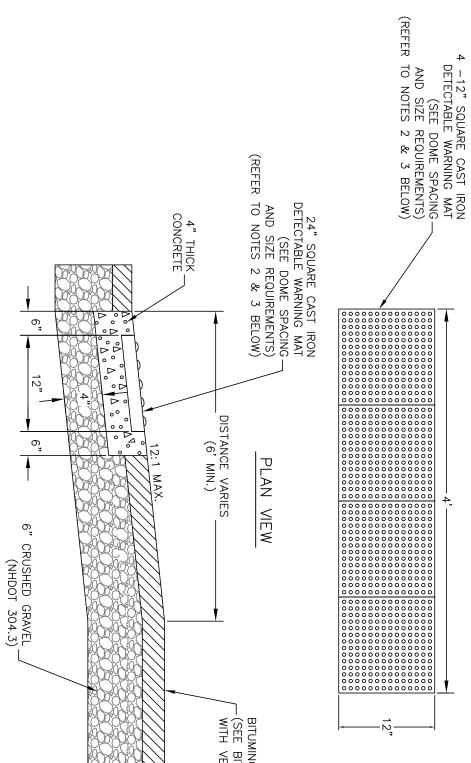
300 LBS 20 % 120 LBS 800 PSI 120 LBS 80 % 40 US SIEVE 40 GAL/MIN/SQ FT 0.55 SEC -1

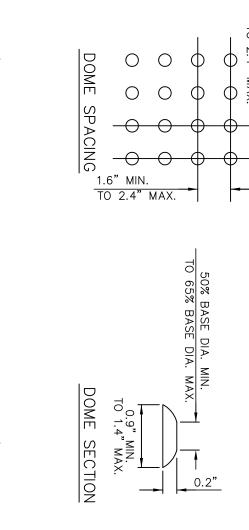
REGULAR FLOW SILTSACK®

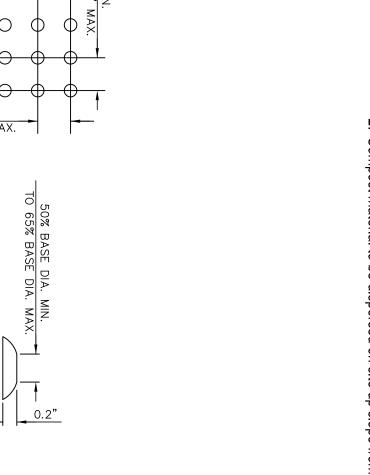
(FOR AREAS OF LOW TO MODERATE PRECIP

TEST METHOD

STINU







STANDARD

DRAINAGE

PIPE

**TRENCH** 

GEOSYNTHETIC INLET PROTECTION

EXPANSION RESTRAINT

CATCHBASIN

SILTSACK® SPECIFICATIONS

CATCH BASIN FRAME HOLDS SILT SACK IN PLACE

CATCHBASIN - GRATE



PROPOSED 12" BANK RUN GRAVEL-(NHDOT 304.2)

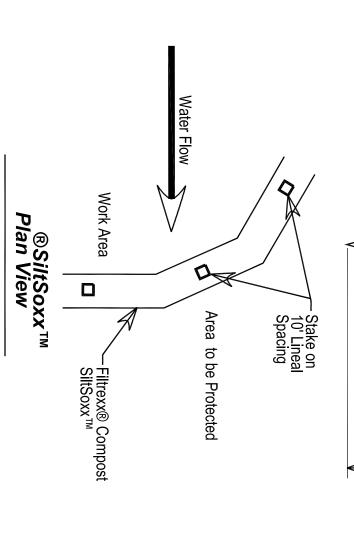
TYPICAL PAVEMENT SAWCUT DETAIL

EXISTING SUBGRADE (DEPTH VARIES)

'n

SCALE: N.T.S.

PROPOSED 8"
GRAVEL CRUSHED
(NHDOT 304.3)



PROPOSED 1" WEARING COURSE (1/2")

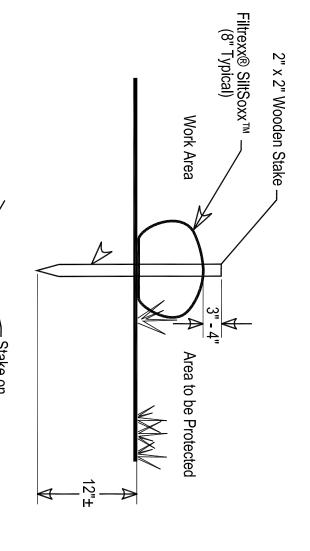
POSED 2" BINDER COURSE (3/4")

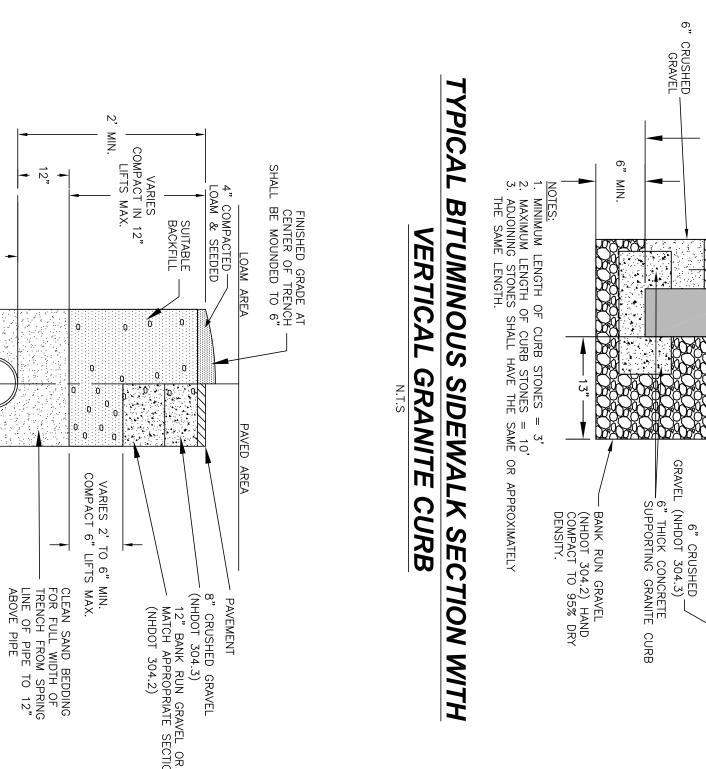
GRIND 1" DEEP OFF EXISTING PAVEMENT

EXISTING PAVEMENT (DEPTH VARIES)

1. SAWCUT THROUGH DEPTH OF PAVEMENT AT LEAST 1 FT. FROM EDGE OR GREATER IF REQUIRED.

INSTALL AND COMPACT CRUSHED GRAVEL TO GRADE.
 PLACE BINDER COURSE.



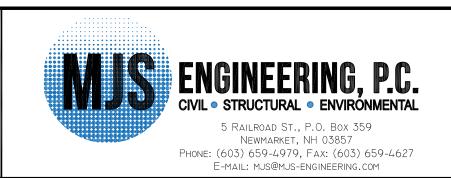


OR D+2, 12" HDPE DRAINAGE PIPE	ONE BEDDING BELOW PIPE	1/2 D  MIN. 12" OF 3/4" CRUSHED STONE  BEDDING WHERE LEDGE ENCOUNTERED	D VARIES			VARIES 2' TO 6" COMPACT 6" LIFTS	COMPACT IN 12"  COMPACT IN 12"	SUITABLE SOME SOME SOME SOME SOME SOME SOME SOM	4" COMPACTED PAVEMENT LOAM & SEEDED 8" CRUSHED GRAVEL	LOAM AREA PAVED AREA	FINISHED GRADE AT CENTER OF TRENCH SHALL BE MOUNDED TO 6"	N.T.S	VERTICAL GRANITE CURB	TYPICAL BITUMINOUS SIDEWALK SECTION WITH	2. MAXIMUM LENGTH OF CURB STONES = 10° 3. ADJOINING STONES SHALL HAVE THE SAME OR APPROXIMATELY THE SAME LENGTH.	MINIMUM LENGTH OF CURB STONES = 3'	NOTES:	
OIPE		STONE		0 12"	EDDING H OF		(7:	UN GRAVEL OR OPRIATE SECTION	;RAVEL					H				

CERTIFIED	CERTIFI	FINAL	
ED	CERTIFIED BY MICHAEL BEHRENDT, TOWN PLANNER	FINAL APPROVAL BY DURHAM PLANNING BOARD.	

VARIABLE WIDTH BITUMINOUS SIDEWALK

JOB: 9 02



CONSTRUCTION DETAIL
prepared for
DOUG CLARK

DATE:	5/26/19	SEALNEW HAMP
SCALE:	AS SHOWN	MICHAEL
DESIGNED BY:	MJS	26 J. m
DRAWN BY:	MCS	SIEVERT No. 8397
APPROVED BY:	MJS	CENSE
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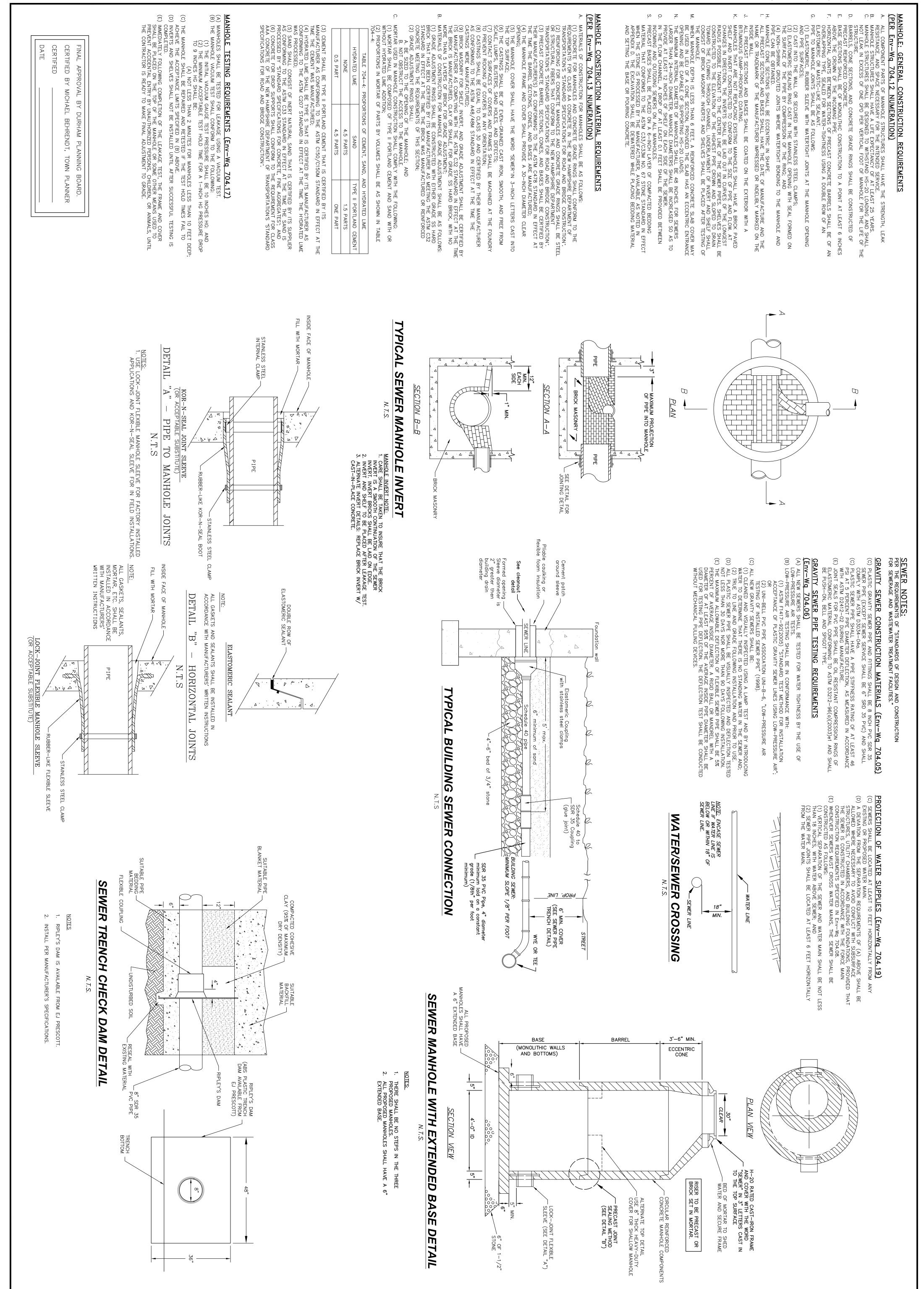
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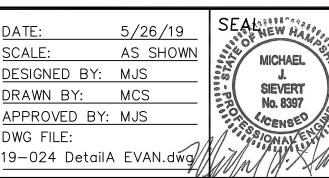
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NO.	REVISIONS	DATE	INT.