

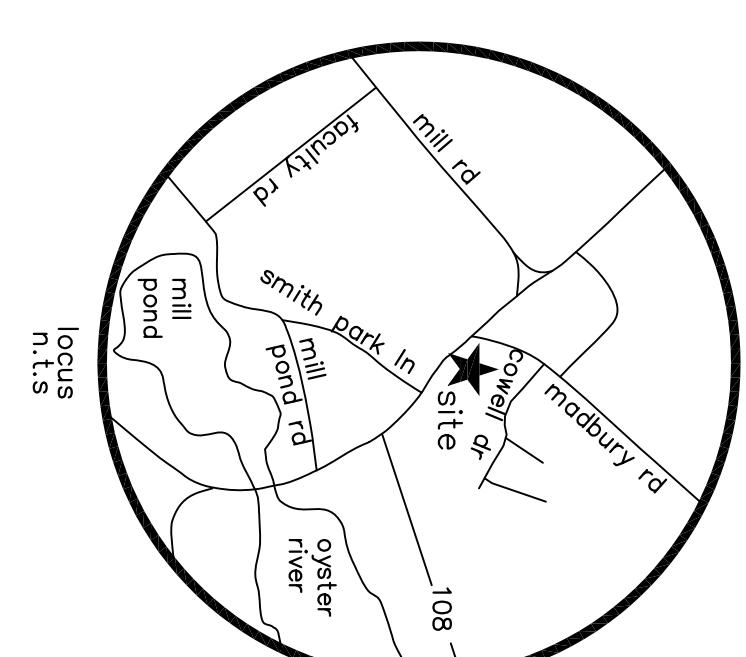
SITE PLAN

for

TOOMERFS, LLC

18 MAIN STREET & 12 COWELL DRIVE DURHAM, NH

REVISED FEBRUARY 5, 2019



LEGEND	
.....	EXISTING PROPERTY LINE
- - - - -	SETBACK LINE
- - - - -	EXISTING EDGE OF GRAVEL
~~~~~	EXISTING EDGE OF PAVEMENT
~~~~~	EXISTING TREE LINE
X	PROPOSED TREE LINE
X	TO BE REMOVED TREE LINE
5/S	PROPOSED SPOT GRADE
SR	PROPOSED SILT SOCK
PR	PROPOSED PARKING SPACES
PR	PROPOSED PAVEMENT RADIUS
42	PROPOSED CONTOUR LINE
42	EXISTING CONTOUR LINE

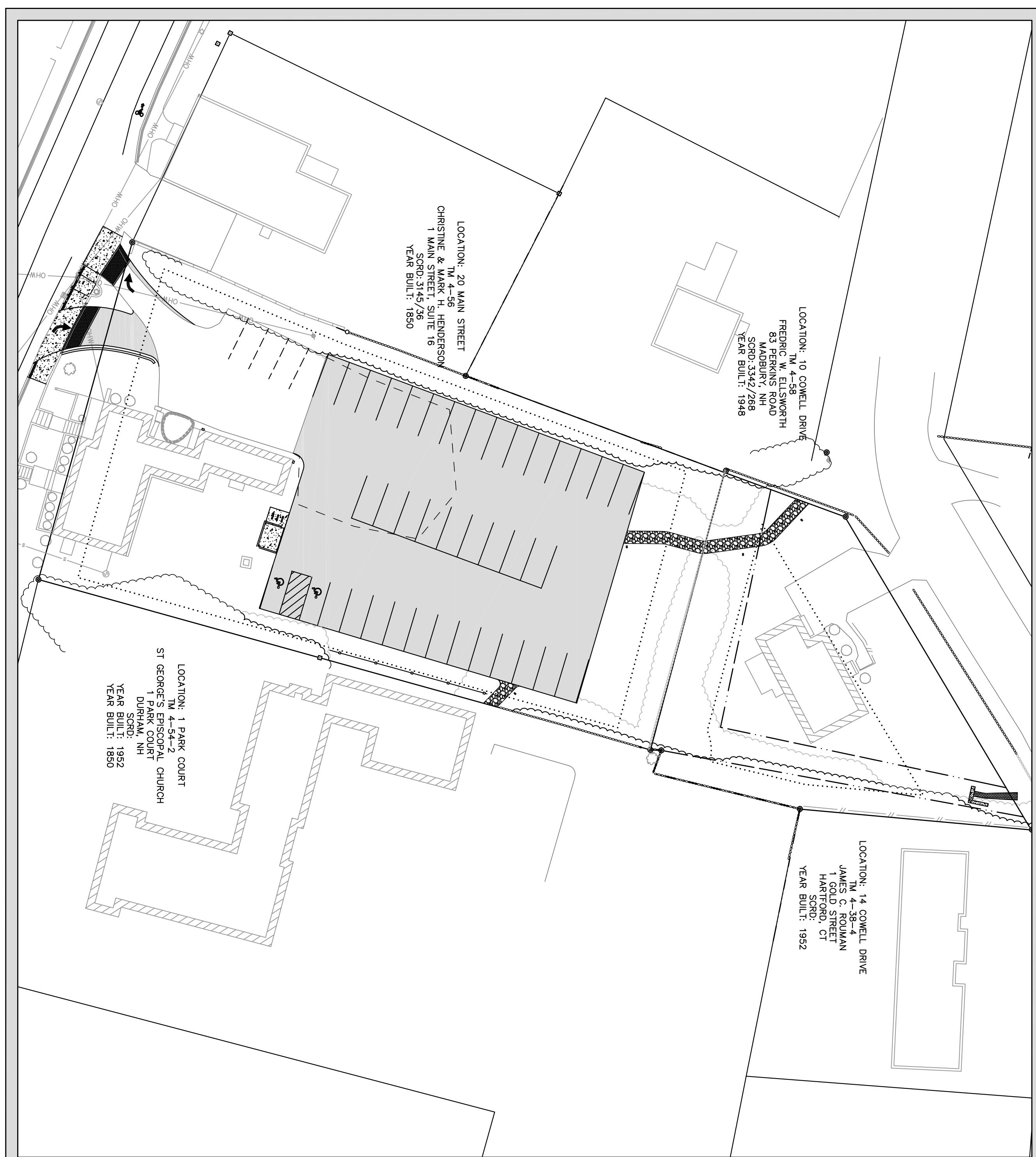


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LIGHTING PLAN	
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OWNER

TOOMERFS, LLC
12 MAIN STREET
UNIT O
DURHAM, NH 03824

Landscape Architect

Surveyor

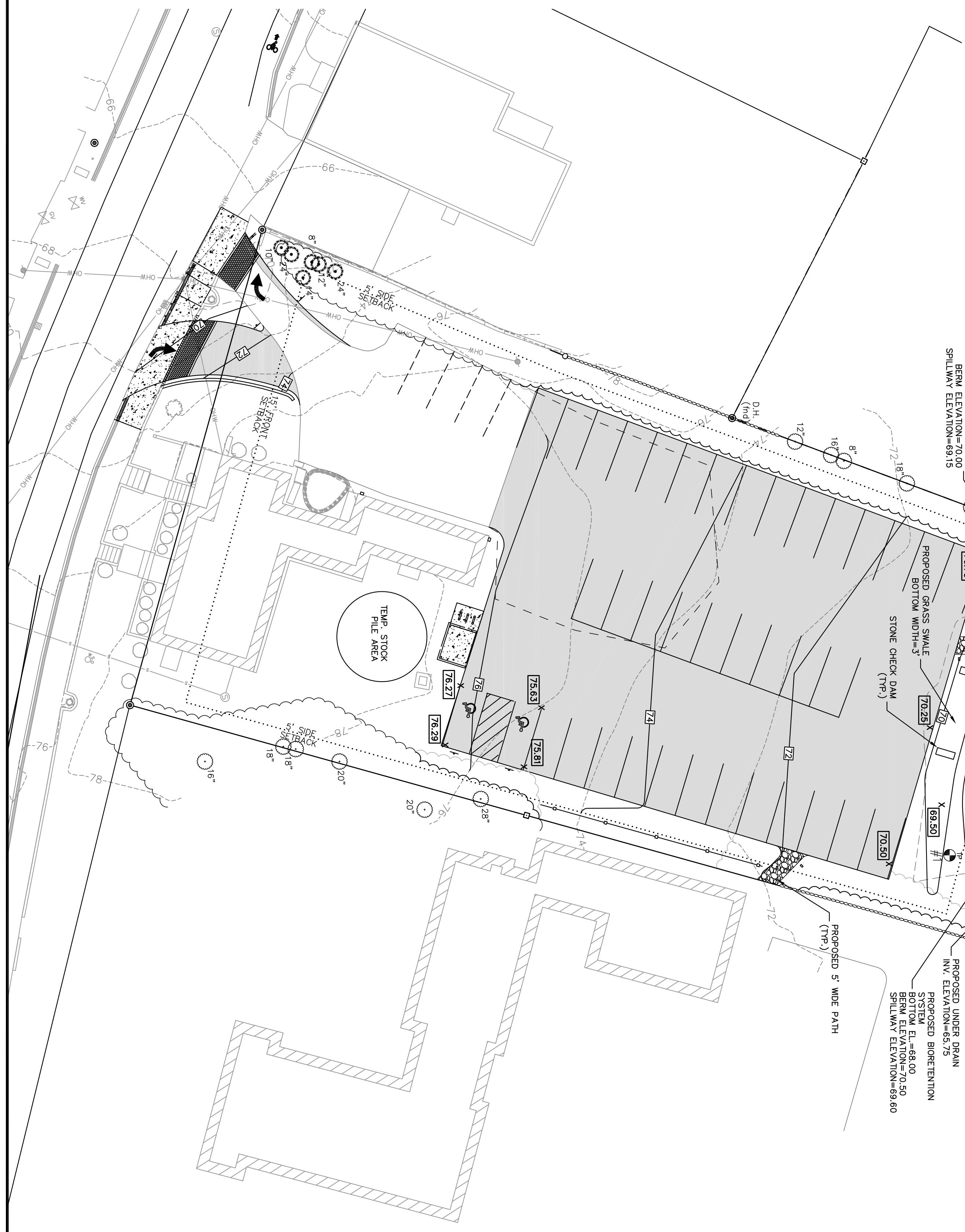
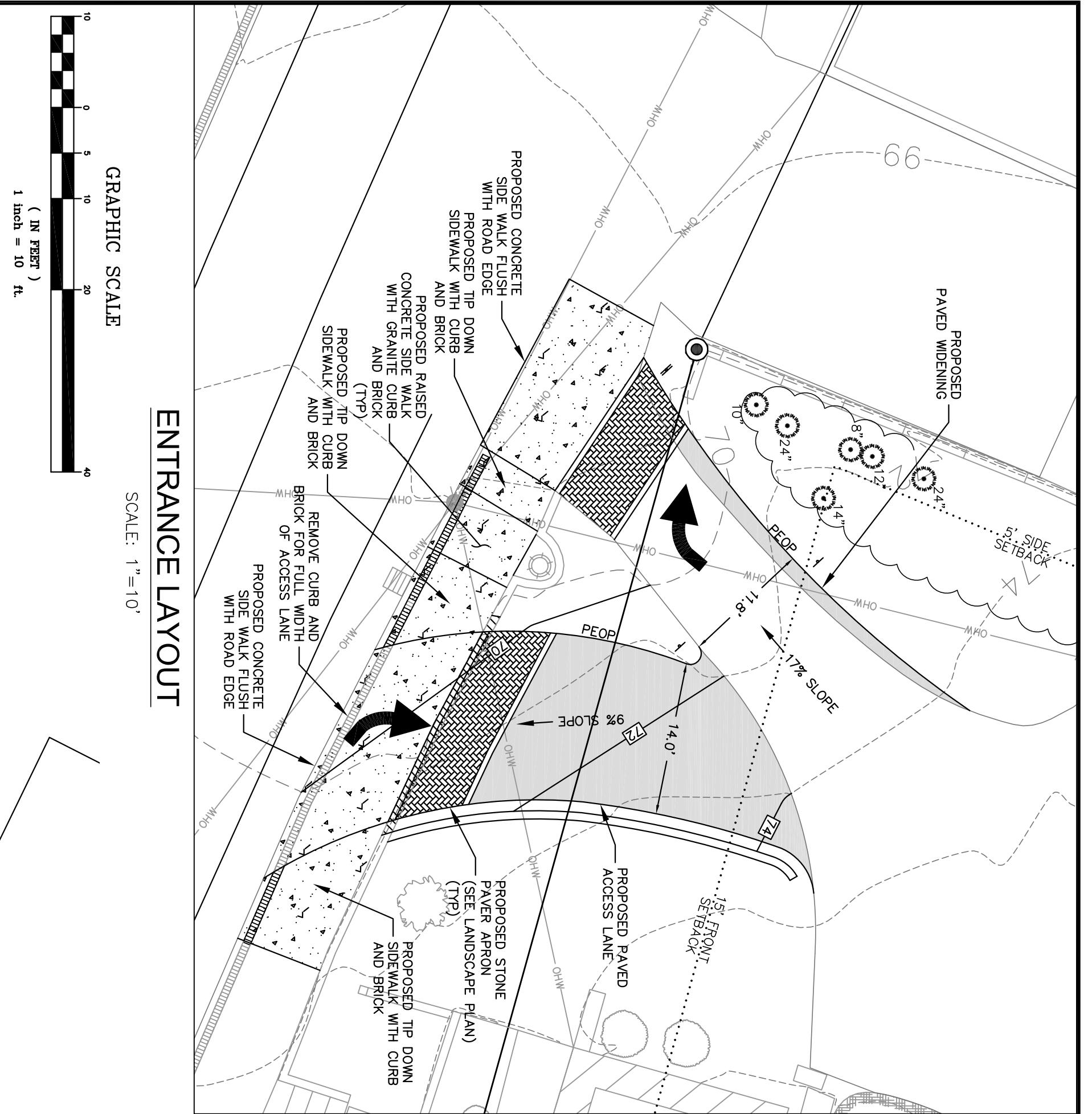
NORWAY PLAINS ASSOCIATES, INC.
2 CONTINENTAL BOULEVARD
ROCHESTER, NEW HAMPSHIRE
03867 (603) 335-3948



Phone: (603) 659-4079 Fax: (603) 659-4627
E-mail: MJS@MJS-Engineering.com

Civil Engineer

WOODBURN & COMPANY
103 KENT PLACE
NEWMARKET, NEW HAMPSHIRE
(603) 659-5949



ALL ELECTRIC, GAS, TELEPHONE, WATER, SEWER AND DRAIN SERVICES ARE SHOWN IN SCHEMATIC FASHION. THEIR LOCATIONS ARE NOT PRECISE OR NECESSARILY ACCURATE. NO WORK WHATSOEVER SHALL BE UNDERTAKEN ON THIS SITE USING THIS PLAN TO LOCATE THE ABOVE SERVICES. CONSULT WITH THE PROPER AUTHORITIES CONCERNED WITH THE SUBJECT SERVICE LOCATION FOR INFORMATION REGARDING SUCH. CALL DIG-SAFE:
1-888-DIG-SAFE (1-888-344-7233)

TEST PITS LOGGED ON 8/22/18 BY MICHAEL J. SIEVERT, MJS
ENGINEERING, PC.

TP  **TEST PIT DATA:**

TP#1:
0-12" LAOM
12-36" VERY FINE SILT LOAM AND FILL WITH GRANITE
NO SHWT TO 36"

TP#2:
0-3" TOPSOIL
3-15" FINE SANDY LOAM
15-28" GRANULAR FRIABLE (10YR 3/3)
28-32" FINE SANDY LOAM
GRANULAR LOOSE (10YR 4/4)
LOAMY FINE SAND
GRANULAR FRIABLE (2.5Y 5/3)

TEST PITS LOGGED ON 8/22/18 BY MICHAEL J. SIEVER
ENGINEERING, PC.

8. ALL TEMPORARY LOAM STOCKPILES SHALL RECEIVE MEASURES.
INCHES OR GREATER. DAMAGED EROSION CONTROL REPAARED/MODIFIED AS NECESSARY.

GRADING, DRAINAGE, UTILITY & EROSION CONTROL NOTES

1. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE VEGETATION IS ESTABLISHED AND THE GROUND SURFACE IS STABILIZED. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MONITORED BY THE APPLICANT ON A PERIODIC BASIS DURING CONSTRUCTION AND ANY DEFICIENCIES SHALL BE CORRECTED AS SOON AS POSSIBLE.
2. REFER TO CONSTRUCTION AND SEQUENCING AND EROSION CONTROL NOTES ON SHEET D1.
3. ALL DRIVEWAY AND PARKING AREA WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS PUBLISHED BY THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION.
4. ALL DISTURBED AREAS NOT PAVED OR OTHERWISE TREATED SHALL RECEIVE 4" OF LOAM, SEED AND MULCH AS SPECIFIED IN THE NOTES ON SHEET D1.
5. COMPACTION REQUIREMENTS:

LOCATION:	MINIMUM COMPACTION*
BELOW PAVED OR CONCRETE AREAS TRENCH BEDDING MATERIAL AND SAND BLANKET BACKFILL	95%
BELOW LOAM AND SEED AREAS	90%

*ALL PERCENTAGES OF COMPACTION SHALL BE OF THE MAXIMUM PROCTOR DENSITY.
ADJUST ALL MANHOLES, CATCH BASINS ETC. WITHIN LIMITS OF WORK TO FINISHED

FINAL APPROVAL BY DURHAM PLANNING BOARD.
CERTIFIED BY MICHAEL BEHRENDT, TOWN PLANNER
CERTIFIED _____
DATE _____

GRAPHIC SCALE

(IN FEET)

1 inch = 20 ft.

The graphic scale consists of a horizontal line with tick marks every 20 feet, labeled 0, 20, and 40 from left to right. A vertical line extends upwards from the 0 mark, with tick marks at 0, 10, and 20 feet. The vertical line has a cross-hatched pattern between the 0 and 10 marks, and a solid black area below the 20 mark.

GRADING, DRAINAGE & EROSION CONTROL PLAN

prepared for
TOOMERFS, LLC

TAX MAP 4, LOTS 38-5 AND 55
18 MAIN ST AND 12 COWELL DR. DURHAM, NH

**GRADING, DRAINAGE &
EROSION CONTROL PLAN**

prepared for
TOOMERFS, LLC

TAX MAP 4, LOTS 38-5 AND 55
18 MAIN ST AND 12 COWELL DR. DURHAM, NH

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NO.	REVISIONS	DATE	INT.
6.	DESIGN REVISIONS PER COA DATED 2/13/19	4/2/19	EHK
5.	GRADING REVISIONS	2/5/19	EHK
4.	DESIGN REVISIONS PER PUBLIC HEARING ON 1/9/19	1/28/19	EHK
3.	DESIGN REVISIONS PER FIRST PLANNING BOARD MEETING	1/3/19	EHK
2.	PLAN UPDATES	11/29/18	EHK
1.	REDESIGN PARKING LOT ENTRANCE AND DRAINAGE	11/26/18	EHK



ENGINEERING, P.C.

CIVIL • STRUCTURAL • ENVIRONMENTAL

10B: 18-040

Do not heavily prune the tree at planting.
Prune only cross-over limbs, co-dominant leaders, and broken or dead branches. Some interior twigs and lateral branches may be pruned; however, Do NOT remove the terminal buds of branches that extend to the edge of the crown.

4 in. high earth saucer beyond edge of root
nursery. Rotate the tree to face north at
the site whenever possible. –

Mark the north side of the tree in the
nursery. Rotate the tree to face north at
the site whenever possible. –

around the trunk with 12 gauge wire. Plastic
hose sections shall be used at attachment to
trees. Each wire shall be flagged with a visual
marker. 5' long min. wooden stakes shall be
driven to anchor the wires. Stakes shall be
driven at least 12" outside the edge of the
planting pit into stable soil. Remove all
staking NO LATER than the end of the first
growing season after planting. –

Tree Planting Detail, Typ.

- Place root ball on unexcavated or tamped soil. –
- Tamp soil around root ball base firmly with foot pressure so that root ball does not shift. –

Tree Planting Details

Landscape Notes

1. Design is based on drawings by MoD
2. The contractor shall follow best management practices to protect the site from erosion.
3. Erosion Control shall be in place prior to commencing work.
4. Erosion Control to consist of Hay Bales, Geotextiles, Silt Fences, Mulch, Soil Stabilizers, etc.
5. The Contractor shall verify layout and discrepancies or changes in layout as required by the customer.

7. It is the contractor's responsibility to locate other suitable means of protection to located at the drip line at a minimum distance from the tree trunk. In order to protect the tree, equipment shall drive or park in or over materials or portalers within the tree.

6. Location, support, protection, and tie-off for the Contractor.
9. The Contractor shall verify exact location of DIGSAFE at 1-888-344-7233.
10. The Contractor shall procure any required equipment for lawns and plant beds using a thorough knowledge of macro and micro nutrients, texture, results, and recommendations from the DIGSAFE.
11. Prior to any landscape construction a thorough investigation of the soil will be conducted by the Contractor to determine the best way to proceed with the project. This investigation will include a soil test, a review of the soil's texture, and a review of the soil's nutrient content. The Contractor will then develop a plan of action to address any deficiencies found in the soil. This plan may include adding organic matter, lime, or other nutrients to the soil. The Contractor will also take steps to prevent erosion and protect the soil from damage during construction. The Contractor will also take steps to prevent erosion and protect the soil from damage during construction.

12. Contractor shall notify landscape architect of any site condition discovered which may result in unforeseen drainage problems, unless contractor is aware of a potential issue.
representative immediately, they may
The Contractor shall furnish and plant
under climatic conditions similar to the
standards of size, culture, and quality
Nurserymen, Inc., in the American Society
of Landscape Architects.
13. Contractor shall notify landscape architect of any site condition discovered which may result in unforeseen drainage problems, unless contractor is aware of a potential issue.
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of Landscape Architects.

Washington, D.C. 20005.

14. Hinsdale, Ill., in the American Society of Landscape Architects, Inc., *ASLA Encyclopedia of Landscape Architecture* (2005).

15. All plants shall be legibly tagged with the common name and variety.

16. The Contractor shall guarantee all plants for one year from the date of delivery. Owner or Owner's Representative will not affect the right of inspection or inspect and/or select all trees at the shrub, herbaceous, perennial, annual

18. for all plants of the same species used.

19. No substitutions of plants may be made.

20. All landscaping shall be provided with:

- An underground sprinkling system.
- An outside hose attachment with a shut-off valve.

If an automatic irrigation system is installed, the contractor is responsible for all functions of the system, which is not limited to maintaining all plants, watering of plants. Plants shall be a

to provide water from off site, should
All disturbed areas will be dressed w/
beds shall be prepared to a depth of
Trees, ground cover, and shrub beds
bark not longer than 4" in length and
shall be no longer than 1" in length.

24. Drip strip shall extend to 6" beyond r
In no case shall mulch touch the ster

22. 23. 24. 25.

Plant List

- 26. Secondary lateral branches of deciduous height of 6' to allow clear and safe passage.
- 27. Snow shall be stored a minimum of 5' from structures.
- 28. Landscape Architect is not responsible for snow removal.

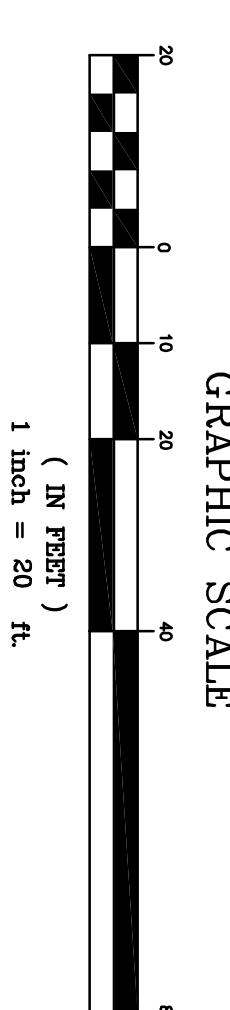
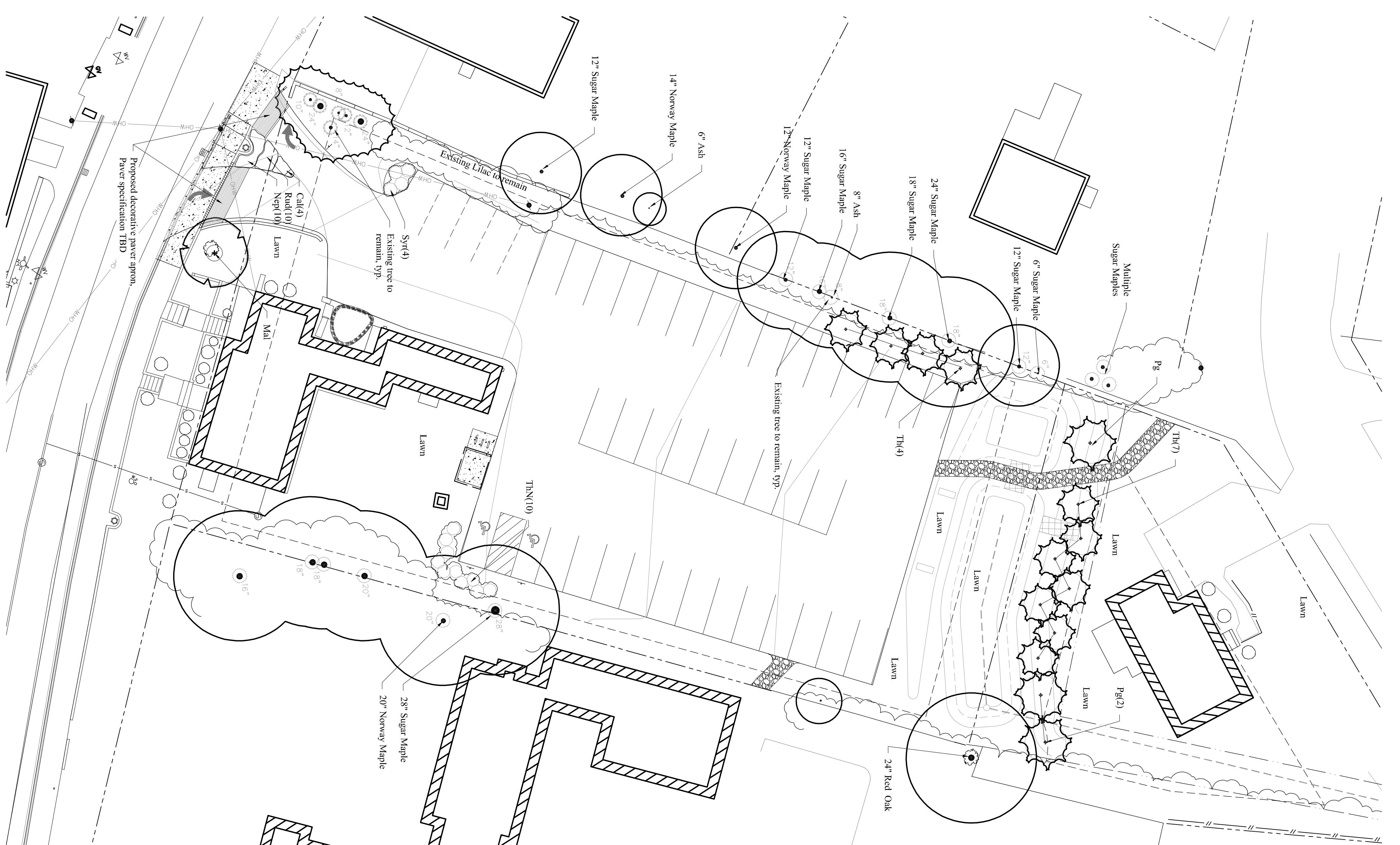
TREES	
Symbol	Botanical Name
Mal	<i>Malus 'Sugar Tyme'</i>
Po	<i>Picea glauca</i>
Th	<i>Thuja plicata 'Atrovirens'</i>

Symbol	Botanical Name	Common Name	Description	Habitat	Notes
Syr	<i>Syringa meyeri</i> 'Palibin'	Musk Tree	Deciduous tree	Forests	Flowers
Tr-M	<i>Trachelospermum jasminoides</i> 'T. M.' (var. 'Palibin')	Jasmine	Evergreen vine	Forests	Flowers
SHRUBS					

PERENNIALS, GROUNDCOVERS	
Symbol	Botanical Name
Cal	<i>Calamagrostis acutifolia</i>
Nep	<i>Nepeta faassenii</i> x <i>W</i>

1

TREES						
Symbol		Botanical Name	Common Name	Quantity	Size	Comments
Mal		<i>Malus 'Sugar Tyme'</i>	SugarTyme White Crabapple	1	3-3.5" Cal	B&B
Pq		<i>Picea glauca</i>	White Spruce	3	8'-10' ht.	B&B
Th		<i>Thuja plicata 'Atrovirens'</i>	Atrovirens Arborvitae	11	7-8" Ht	B&B
SHRUBS						
Symbol		Botanical Name	Common Name	Quantity	Size	Comments
Syr		<i>Syringa meyeri 'Palibin'</i>	Dwarf Korean Lilac	4	2-3" Ht	B&B
ThN		<i>Thuya occidentalis 'Techny'</i>	Techny Arborvitae	10	6-7" ht.	B&B
PERENNIALS, GROUNDCOVERS, VINES and ANNUALS						
Symbol		Botanical Name	Common Name	Quantity	Size	Comments
Cal		<i>Calamagrostis acutifolia 'Karl Foerster'</i>	Feather Reed Grass	4	1 gal	
Nep		<i>Nepeta faassenii x 'Walker's Low'</i>	Walker's Low Catmint	10	1 gal	

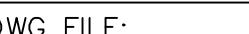


FINAL APPROVAL BY DURHAM PLANNING BOARD.
CERTIFIED BY MICHAEL BEHRENDT, TOWN PLANNER
CERTIFIED _____
DATE _____

LANDSCAPE PLAN

prepared for

TOOMERFS, LLC.

DATE: 9/28/18
SCALE: 1"=20'
DESIGNED BY: VM
DRAWN BY: VM
APPROVED BY: RW
DWG FILE:


ENGINEERING, P.C.

CIVIL • STRUCTURAL • ENVIRONMENTAL

MJS

DOB: 18-040

Schedule	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per Lamp	LLF	Wattage
□>	T3	1	Lithonia Lighting	WST LED P3 40K VV MVOLT	WST LED Performance package 3,400K, visual comfort wide, MVOLT, mounted at 16ft	LED	1	WST_LED_P3_40K_VV_MVOLT_ies	6689	0.9	50
□>	T4	1	Lithonia Lighting	WST LED P3 40K VF MVOLT	WST LED Performance package 3,400K, visual comfort forward throw, MVOLT; mounted at 16ft	LED	1	WST_LED_P3_40K_VF_MVOLT_ies	6609	0.9	50

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Outside of Parking Lot	+	0.0 fc	4.3 fc	0.0 fc	N/A	N/A
Parking Lot	+	0.5 fc	11.4 fc	0.0 fc	N/A	N/A

18 MAIN ST Durham, NH Site Lighting Layout



Designer

Heidi G. Connors
Visible Light, Inc.

24 Stickney Terrace
Suite 6
Hampton, NH 03842

Date

4/2/2019

Scale

1"=40'

Drawing No.

Summary

CONSTRUCTION SEQUENCING AND EROSION CONTROL NOTES:

DRAFT APR 02 2019

18-040 Drawing #

18-040-01

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