GENERAL INFORMATION

OWNER MAP 27 BLOCK A1 LOT 8 UNITIL ENERGY SYSTEMS, LLC 6 LIBERTY LANE W HAMPTON, NH 03842-1704

APPLICANT MAP 27 BLOCK A1 LOT 8 UNITIL ENERGY SYSTEMS, LLC C/O NATE SHERWOOD 6 LIBERTY LANE W HAMPTON, NH 03842-1704

PREPARED FOR MAP 27 BLOCK A1 LOT 8 UNITIL ENERGY SYSTEMS, LLC 6 LIBERTY LANE W HAMPTON, NH 03842-1704

RESOURCE LIST

PLANNING/ZONING DEPARTMENT 41 GREEN STREET CONCORD, NH 03301 603-225-8515 HEATHER SHANK, CITY PLANNER

BUILDING DEPARTMENT 37 GREEN STREET CONCORD, NH 03301 603-225-8580 DARIO CARRARA, CHIEF BUILDING INSPECTOR

PUBLIC WORKS 311 NORTH STATE STREET CONCORD, NH 03301 603-228-2737

POLICE DEPARTMENT 35 GREEN STREET CONCORD, NH 03301 603-225-8600 BRADLEY OSGOOD, CHIEF OF POLICE

FIRE DEPARTMENT 24 HORSESHOES POND LANE CONCORD, NH 03301 603-225-8650 DANIEL ANDRUS, FIRE CHIEF

ELECTRIC UNITIL ENERGY SYSTEMS, LLC 8 LIBERTY LANE W HAMPTON, NH 03842-1704

WASTEWATER 25 HALL STREET CONCORD, NH 03301 603-225-8691

GAS LIBERTY UTILITIES 16 NORTH MAIN STREET CONCORD, NH 03301 800-833-4200

ABUTTERS

MAP 27 BLOCK A1 LOT 5 MAP 21 BLOCK 1 LOT 1 STATE/NH DEPT OF TRANS ROW PO BOX 483 CONCORD, NH 03302-0483

MAP 35 BLOCK B1 LOT 1 BRIXMOR CAPITAL SC LLC 450 LEXINGTON AVE FL13 NEW YORK, NY 10017-3956

MAP 45 BLOCK A1 LOT 2 PFP ASSOCIATES LTD PARTNERSHIP 56 KEARNEY RD #FL1 NEEDHAM HGTS, MA 02494-2507

MAP 27 BLOCK 1 LOT 2 CAPITAL HOTEL COMPANY V LLC C/O FOXFIRE PROPERTY MANAGEMENT INC. PO BOX 1438 CONCORD, NH 03302-1438

BOSTON & MAINE CORP. c/o PAN AM RAILWAYS INC. 1700 IRON HORSE PARK NORTH BILLERICA, MA 01862-1641



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CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

UNITE 374 LINE

THEATRE STREET TO GULF STREET CONCORD, NEW HAMPSHIRE

VICINITY PLAN

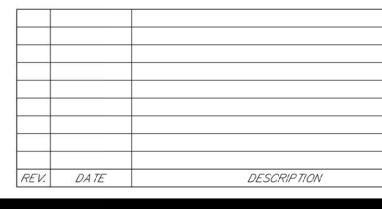


Civil Engineers Structural Engineers Traffic Engineers Land Surveyors Landscape Architects Scientists



NICHOLAS

C. GOLON No. 14086



INDEX OF SHEETS

SHEET

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C-02			
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COVER
NOTES & LEGEND
EXISTING CONDITIONS PLANS
EXISTING CONDITIONS PLANS
OVERALL WETLANDS IMPACT SITE PLAN
WETLANDS IMPACT SITE PLAN
DETAILS

PERMITS/APPROVALS

NUMBER APPROVED EXPIRES

CITY OF CONCORD CUP NHDES WETLANDS PERMIT



WETLAND IMPACT PLANS

UTILITY R.O.W COVER

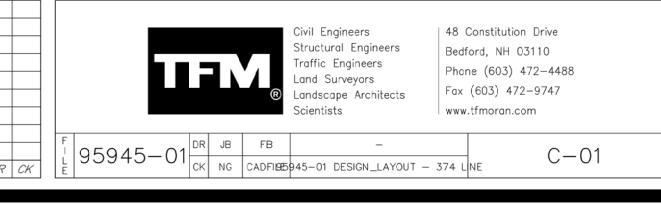
UNITIL 374 LINE THEATRE STREET TO GULF STREET OWNED BY/PREPARED FOR UNITIL ENERGY SYSTEMS, INC.

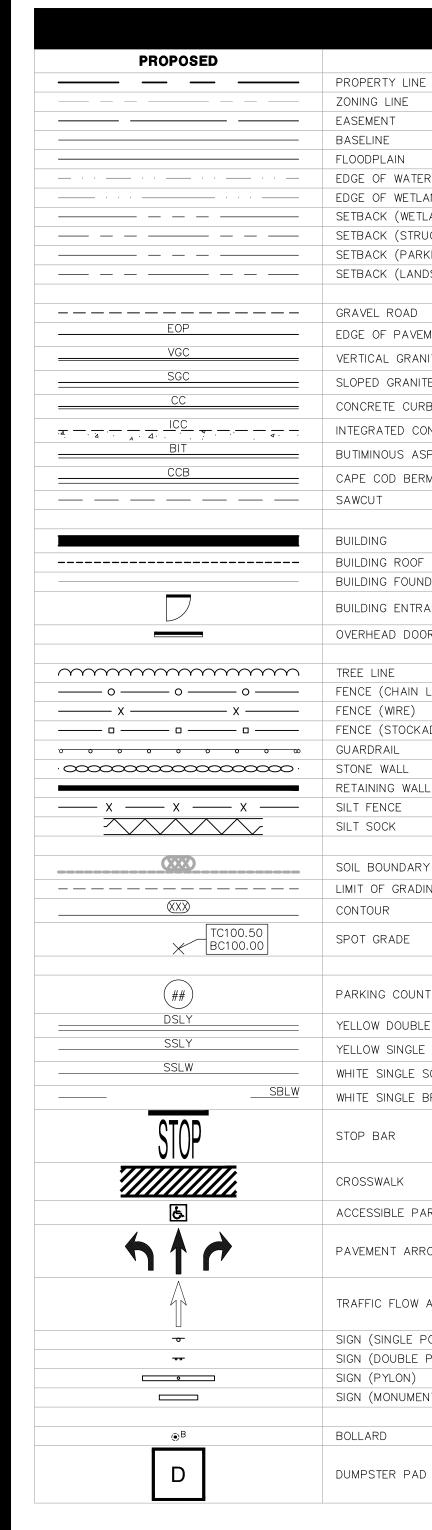
6 LIBERTY LANE, HAMPTON, NH

SCALE: NTS

SEPTEMBER 18, 2019

DR CK





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HEAVY DUTY PAVEMENT CONSTRUCTION ENTRANCE SNOW STORAGE RIPRAP INLET PROTECTION DRAINAGE SWALE STORMWATER BMP SEWER LINE SEWER FORCE MAIN LINE WATER LINE GAS LINE OVERHEAD UTILITY LINE UNDERGROUND UTILITY LINE

OUTLET CONTROL STRUCTURE ROOF DRAIN DRAIN CLEANOUT DRAIN MANHOLE FARED END SECTION SEWER CLEAN OUT SEWER MANHOLE SEWER VENT DRAIN/SEWER/WATER PLUG OR CAP HYDRANT WATER GATE VALVE WATER SHUTOFF THRUST BLOCK WATER METER WATER MANHOLE WELL GAS GATE VALVE GAS SHUT OFF GAS METER TELEPHONE MANHOLE ELECTRIC MANHOLE TRAFFIC CONTROL CABINET ELECTRIC HANDHOLE ELECTRIC PULL BOX ELECTRIC METER FLOOD LIGHT LIGHT POLE UTILITY POLE GUY POLE TRANSFORMER PAD BORING LOCATION TEST PIT LOCATION

INFILTRATION TEST LOCATION MONITORING WELL

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CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

STORM WATER MANAGEMENT NOTES

STABILIZATION PRACTICES FOR EROSION AND SEDIMENTATION CONTROLS:

TEMPORARY STABILIZATION - TOPSOIL STOCKPILES AND DISTURBED AREAS OF THE CONSTRUCTION SITE THAT WILL NOT BE REDISTURBED FOR 21 DAYS OR MORE MUST BE STABILIZED BY THE 14TH DAY AFTER THE LAST DISTURBANCE. THE TEMPORARY SEED SHALL BE ANNUAL RYE APPLIED AT THE RATE OF 1.1 LBS PER 1,000 SQUARE FEET. PRIOR TO SEEDING, A MINIMUM OF 2 TONS PER ACRE OF AGRICULTURAL LIMESTONE AND 500 LBS PER ACRE OF 10-20-20 FERTILIZER SHALL BE APPLIED. AFTER SEEDING, EACH AREA SHALL BE MULCHED WITH 1.5 TONS PER ACRE OF HAY MULCH. MULCH TO BE ANCHORED IN PLACE WHERE NECESSARY. AREAS OF THE SITE THAT WILL BE PAVED WILL TEMPORARILY BE STABILIZED BY APPLYING GEOTEXTILES AND A STONE SUB-BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED. CALCIUM CHLORIDE SHALL BE USED FOR DUST CONTROL IF NEEDED.

PERMANENT STABILIZATION - DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 3 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE PERMANENT SEED MIX SHALL CONSIST OF 0.45 LBS/1,000 S.F. TALL FESCUE, 0.20 LBS/1,000 S.F. CREEPING RED FESCUE, AND 0.20 LBS/1,000 S.F. BIRDSFOOT TREFOIL. PRIOR TO SEEDING, A MINIMUM OF 2 TONS PER ACRE OF AGRICULTURAL LIMESTONE AND 500 LBS PER ACRE IF 10-20-20 FERTILIZER SHALL BE APPLIED. AFTER SEEDING, EACH AREA SHALL BE MULCHED WITH 1.5 TONS PER ACRE OF HAY MULCH. MULCH TO BE ANCHORED IN PLACE WHERE NECESSARY.

STRUCTURAL PRACTICES FOR EROSION AND SEDIMENTATION CONTROL

PRE-FABRICATED MATS - WILL BE INSTALLED ALONG THE PROPOSED ACCESS PATH AS NOTED ON THE PLANS.

SILT SOCK OR SEDIMENT FENCE - WILL BE CONSTRUCTED DOWNSTREAM OF TEMPORARY STOCKPILE AREAS AND WHERE ADDITIONAL SEDIMENT CONTROL IS DEEMED NECESSARY DURING CONSTRUCTION.

- a. THE SILT SOCK SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND SHALL BE INSPECTED FOR GAPS OR TEARS IN THE FABRIC. WHICH SHALL BE REPAIRED OR REPLACED IMMEDIATELY ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE IT REACHES ONE THIRD OF THE HEIGHT OF THE SILT SOCK.
- b. THE SILT FENCE WILL BE INSTALLED BY STRETCHING REINFORCED FILTER FABRIC BETWEEN POSTS WITH AT LEAST 8 INCHES OF THE FABRIC BURIED BELOW THE GROUND SURFACE TO PREVENT GAPS FROM FORMING NEAR THE GROUND SURFACE. RUNOFF WILL FLOW THROUGH THE OPENINGS IN THE FILTER FABRIC WHILE RETAINING THE SEDIMENT WITHIN THE CONSTRUCTION AREA.

ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND STORED IN SECURE DUMPSTERS OR APPROVED ENCLOSURE AND REMOVED FROM THE SITE ON A WEEKLY BASIS. NO CONSTRUCTION WASTE SHALL BE BURIED ON SITE. PORTABLE TOILET SANITARY WASTE FACILITIES WILL BE PROVIDED DURING CONSTRUCTION AND MAINTAINED/DISPOSED OF ON A REGULAR BASIS IN ACCORDANCE WITH TOWN AND STATE REGULATIONS.

CONSTRUCTION SEQUENCE NOTES

- 1. CONSTRUCT TEMPORARY AND PERMANENT EROSION CONTROL FACILITIES.
- 2. INSTALL PROPOSED POLES AND OVERHEAD SERVICE LINES.
- 3. ALL SLOPES DISTURBED DURING POLE INSTALLATION SHALL BE STABILIZED IMMEDIATELY. ALL DISTURBED AREAS SHALL BE STABILIZED NO LATER THAN 72 HOURS AFTER CONSTRUCTION ACTIVITY CEASES. IF EARTHWORK TEMPORARILY CEASES ON A PORTION OF OR THE ENTIRE SITE, AND WILL NOT RESUME WITHIN 21 DAYS, THE AREA SHALL BE STABILIZED
- AN AREA SHALL BE CONSIDERED STABILIZED IF:
- A) BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED; B) A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
- C) A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH STONE OR RIPRAP HAS BEEN INSTALLED, OR D) EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- 4. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL MEASURES PERIODICALLY AND IMMEDIATELY AFTER SIGNIFICANT STORM EVENTS.
- 5. REMOVE TEMPORARY EROSION CONTROL MEASURES ONCE ALL AREAS ARE STABILIZED AND TEMPORARY SOIL STOCKPILES FROM POLE INSTALLATIONS HAVE BEEN APPROPRIATELY DISPOSED OF.
- 6. REMOVE EXISTING UTILITY POLES AND OVERHEAD SERVICE LINES.

EROSION CONTROL NOTES

- DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED: 1 EPOSION CONTROLS INDICATED ON THESE DIANS SHALL RE CONSIDERED MINIMUM STANDARDS ADDITIONAL CONTROLS MAY BE REQUIRED TO ENSURE PERMIT COMPLIANCE AND SHALL BE ADDED AS DEEMED NECESSARY BY THE OWNER/ENGINEER.
- 2. INSTALLATION OF EROSION CONTROL MEASURES SHALL BE COMPLETED PRIOR TO THE START OF SITE WORK IN ANY GIVEN AREA AND INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. EROSION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EVERY RAINFALL.
- 3. EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEREVER POSSIBLE.
- 4. THE AREA OF LAND EXPOSED AND THE TIME OF EXPOSURE SHALL BE MINIMIZED. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING.
- 5. HAY MULCH OR JUTE MATTING SHALL BE USED FOR TEMPORARY STABILIZATION IN ADDITION TO WHERE INDICATED ON THE PLANS. A MINIMUM OF 1.5 TONS OF MULCH PER ACRE SHALL BE APPLIED. MULCH SHALL BE ANCHORED IN PLACE WHERE NECESSARY. JUTE MATTING SHALL BE LAID IN THE DIRECTION OF RUNOFF FLOW AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 6. WATER SHALL BE USED FOR DUST CONTROL IN APPROPRIATE AREAS.
- 7. SILT SOCK OR SILT FENCE SHALL BE USED FOR CONTAINMENT OF TEMPORARY SOIL STOCK PILES ASSOCIATED WITH POLE INSTALLATION.

GENERAL NOTES

- 1. THE CONTRACTOR SHALL INSTALL PRE-FABRICATED MATS ALONG THE PROPOSED ACCESS ROUTE. CONSTRUCTION VEHICLES SHALL USE THE PROPOSED MAT ACCESS ROUTE UNLESS OTHERWISE DIRECTED. ACCESS ROUTE IS PICTORIAL ONLY AND NOT INTENDED TO BE A CONSTRUCTED DRIVE.
- 2. AREAS IMPACTED BY MATS SHALL BE STABILIZED IN ACCORDANCE WITH THE PROJECT EROSION CONTROL NOTES, SEE DETAILS FOR ADDITIONAL MAT INFORMATION.
- 3. CONTRACTOR SHALL PROVIDE STREET SWEEPER OR OTHER MEANS TO KEEP ROADWAYS AND PARKING AREAS CLEAR OF CONSTRUCTION RELATED DEBRIS OR SEDIMENT AT ALL TIMES.
- 4. THE CONTRACTOR SHALL BID AND PERFORM THE WORK IN ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES, SPECIFICATIONS, REGULATIONS AND STANDARDS.
- 5. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN CASE OF CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWING AND/OR SPECIFICATION, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATIONS.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY TFMORAN, INC., DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE SURVEYOR OR ENGINEER HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.
- 7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH THE SITE AND ALL EXISTING CONDITIONS SURROUNDING IT AND THEREON. THE CONTRACTOR SHALL ADVISE THE APPROPRIATE AUTHORITY OF HIS INTENTIONS AT LEAST 48 HOURS IN ADVANCE.
- 8. THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL AREAS AFFECTED BY HIS WORK AT ALL
- ON EVERY PLAN. THE ENGINEER IS TO BE NOTIFIED OF ANY CONFLICT WITHIN THIS PLAN SET. 10. ALL WORK SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE RESPECTIVE TOWNS OF HAMPTON AND SHALL BE BUILT IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS

AND SPECIFICATIONS.

- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN ON THESE PLANS, PRIOR TO THE START OF ANY CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION BE AGREED TO BY TH ENGINEER BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT "DIGSAFE" (800–344–7233) AT LEAST 72 HOURS BEFORE DIGGING.
- 12. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES OWNING UTILITIES, EITHER OVERHEAD OR UNDERGROUND, WITHIN THE CONSTRUCTION AREA AND SHALL COORDINATE AS NECESSARY WITH THE UTILITY COMPANIES OF SAID UTILITIES. THE PROTECTION OR RELOCATION OF UTILITIES IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL EROSION AND SEDIMENT CONTROL DEVICES NECESSARY TO CONTROL EROSION THROUGHOUT THE DURATION OF THE PROJECT IN ACCORDANCE WITH APPLICABLE NHDES/EPA STANDARDS. THE DETAILS PROVIDED REPRESENT MINIMUM PERMITTED CONTROLS ONLY AND SHALL BE SUPPLEMENTED BY THE CONTRACTOR AS NECESSARY.
- 14. ALL EXCAVATIONS SHALL BE THOROUGHLY SECURED ON A DAILY BASIS BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION OPERATIONS IN THE IMMEDIATE AREA.
- 15. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR THE CONDITIONS AT THE SITE. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT DISCREPANCIES TO THE ENGINEER.
- 16. IN THE EVENT OF A CONFLICT BETWEEN PLANS, SPECIFICATIONS, AND DETAILS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATION.
- 17. IF CONDITIONS AT THE SITE ARE DIFFERENT THAN SHOWN ON THE PLANS, THE ENGINEER SHALL BE NOTIFIED PRIOR TO PROCEEDING WITH THE AFFECTED WORK.
- 18. THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER. TEMORAN INC. ASSUMES NO LIABILITY AS A RESULT OF ANY CHANGES OR NON-CONFORMANCE WITH THESE PLANS EXCEPT UPON THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD.
- 19. TFMORAN INC. ASSUMES NO LIABILITY FOR WORK PERFORMED WITHOUT AN ACCEPTABLE PROGRAM OF TESTING AND INSPECTION AS APPROVED BY THE ENGINEER OF RECORD.
- 20. EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED FOR THE DURATION OF THE PROJECT IN ACCORDANCE WITH APPLICABLE NHDES STANDARDS. THESE DETAILS SERVE AS A GUIDE ONLY.

RE V.	DA TE	DESCRIP TION

9. SITE WORK SHALL BE CONSTRUCTED FROM A COMPLETE SET OF PLANS, NOT ALL FEATURES ARE DETAILED

DR CK

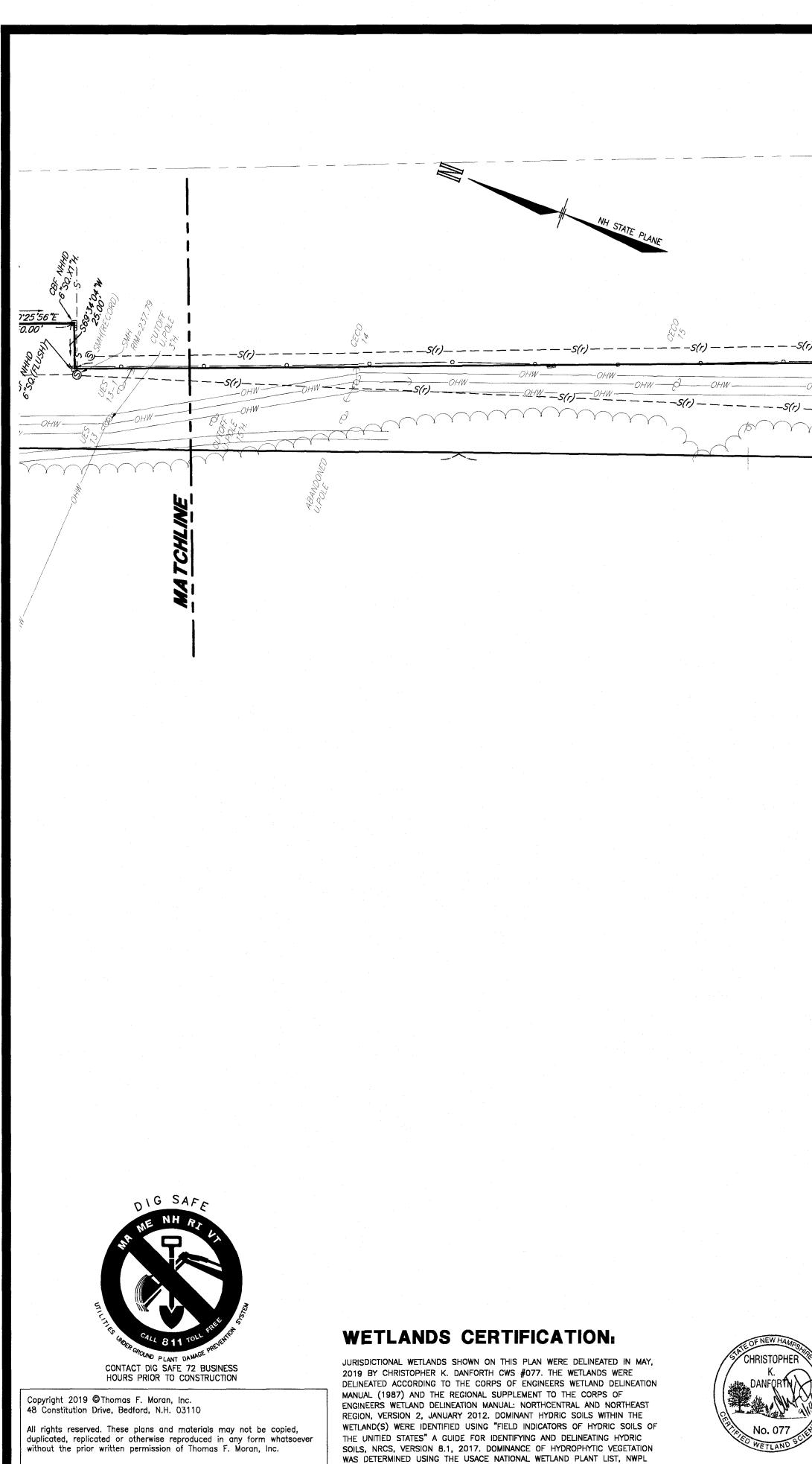


WETLAND IMPACT PLANS UTILITY R.O.W **NOTES & LEGEND** UNITIL 374 LINE THEATRE STREET TO GULF STREET OWNED BY/PREPARED FOR NICHOLAS UNITIL ENERGY SYSTEMS, INC. C. 6 LIBERTY LANE, HAMPTON, NH GOLON No. 14086 SCALE: NTS **SEPTEMBER 18, 2019** Civil Engineers 48 Constitution Drive Structural Engineers Bedford, NH 03110 Traffic Engineers Phone (603) 472-4488 _and Surveyors Fax (603) 472-9747 andscape Architects cientists www.tfmoran.com

DR CC FB

95945-01 CK NG CADFIBE5945-01 DESIGN_LAYOUT - 374 LNF

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2016 VERSION 3.3 HTTP://WETLAND_PLANTS.USACE.ARMY.MIL.

This plan is not effective unless signed by a duly authorized officer of Thomas F. Moran, Inc.

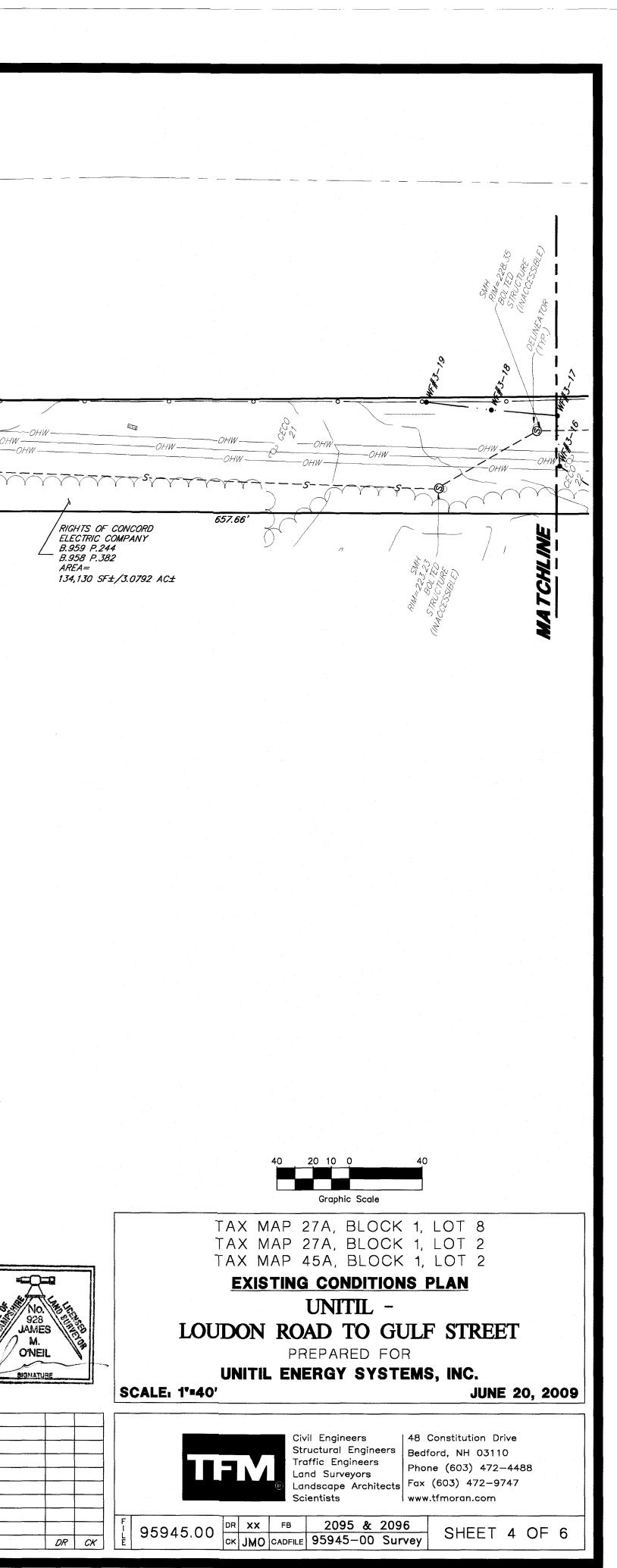
INTERSTATE 93 (F.E. EVERETT TPKE.) 1286.24' L.A.R.O. S20'25'57"E N 19°17'21" W 531.41' N19°47'55 W ------

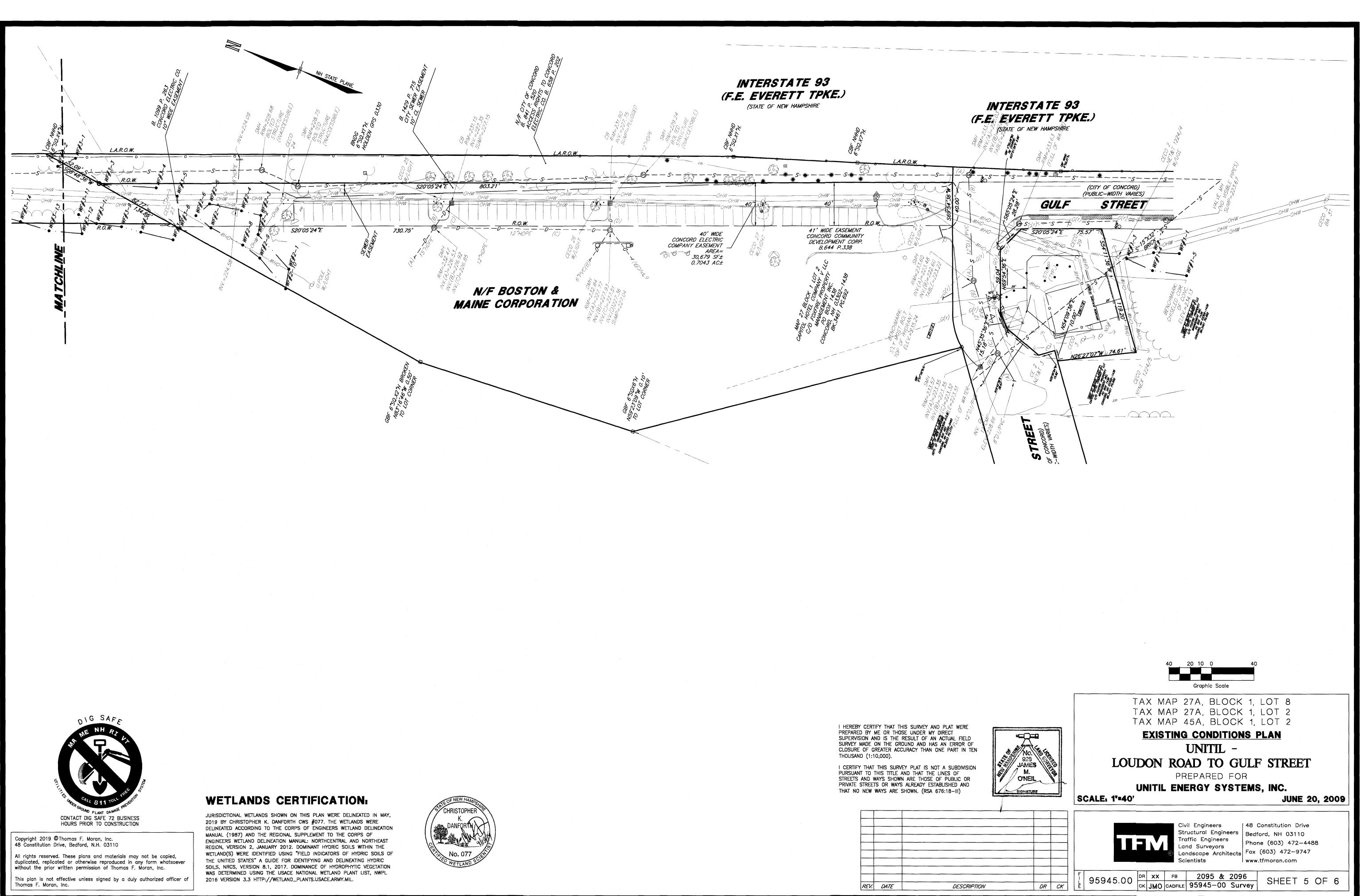
N/F BOSTON & MAINE CORPORATION

> I HEREBY CERTIFY THAT THIS SURVEY AND PLAT WERE PREPARED BY ME OR THOSE UNDER MY DIRECT SUPERVISION AND IS THE RESULT OF AN ACTUAL FIELD SURVEY MADE ON THE GROUND AND HAS AN ERROR OF CLOSURE OF GREATER ACCURACY THAN ONE PART IN TEN THOUSAND (1:10,000).

I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN. (RSA 676:18-11)

REV. DATE DESCRIPTION







NOTES

- 1. THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED WETLAND IMPACT AREAS AND MAT ACCESS ROUTE IN THE PROJECT AREA, INCLUDING AN APPROXIMATE AERIAL OVERLAY FOR REFERENCE. SEE SUBSEQUENT 30 SCALE WETLANDS IMPACT SITE PLAN FOR ADDITIONAL DETAIL.
- 2. THE CONTRACTOR SHALL INSTALL PRE-FABRICATED MATS ALONG THE PROPOSED ACCESS ROUTE. CONSTRUCTION VEHICLES SHALL USE THE PROPOSED MAT ACCESS ROUTE. ACCESS ROUTE IS PICTORIAL ONLY AND NOT INTENDED TO BE A CONSTRUCTED DRIVE.
- 3. AREAS IMPACTED BY MATS SHALL BE STABILIZED IN ACCORDANCE WITH THE PROJECT EROSION CONTROL NOTES, SEE DETAILS FOR ADDITIONAL MAT INFORMATION.
- 4. CONTRACTOR SHALL PROVIDE STREET SWEEPER OR OTHER MEANS TO KEEP ROADWAYS AND PARKING AREAS CLEAR OF CONSTRUCTION RELATED DEBRIS OR SEDIMENT AT ALL TIMES.
- 5. FINAL LAYOUT OF TIMBER MATTERING BY CONTRACTOR. SHOULD LAYOUT OF TIMBER MATTING EXCEED AREA SHOWN ADDITIONAL PERMITTING SHALL BE REQUIRED.
- 6. SILT SOCK TO BE PLACED AT LIMITS OF ALL PERMANENT IMPACT AREAS. AREAS SHALL BE STABILIZED AT THE COMPLETION OF CONSTRUCTION WITH HAY MULCH AT A RATE OF 1.5 TONS OF MULCH PER ACRE AND SEED.
- 7. CONTRACTOR/OWNER SHALL COORDINATE ACCESS THROUGH HOTEL PARKING WITHIN EXISTING ROW
- <u>WETLAND CLASSIFICATION</u> PSS1E PALUSTRINE SCRUB-SHRUB BROADLEAVED DECIDUOUS, SEASONALLY FLOODED-SATURATED

WETLAND IMPACT NOTES

WETLAND IMPACTS FOR THE PROPOSED PROJECT:

<u>PERMANENT WETLAND IMPACTS = 12 S.F. (TOTAL)</u> PERMANENT IMPACTS CONSIST OF: 8 S.F. PER POLE, 4 S.F. PER GUY ANCHOR AREA 1 = 12 S.F.

TEMPORARY WETLAND IMPACTS = 2,620 S.F. (TOTAL) TEMPORARY IMPACTS: FOR ACCESS FOR POLE INSTALLATION. IMPACT ONLY IF WINTER CONDITIONS ARE NOT ACCEPTABLE FOR CONSTRUCTION. MATS WILL BE USED TO MINIMIZE TEMPORARY IMPACT AREAS IF FROZEN CONDITIONS ARE NOT AVAILABLE. AREA 1 = 2,620 S.F.



<u>WETLAND BUFFER IMPACTS = 2,475 S.F. (TOTAL)</u> AREA 1 = 2,475 S.F.



WETLAND IMPACT PLANS

UTILITY R.O.W **OVERALL WETLANDS IMPACT SITE PLAN** UNITIL 374 LINE THEATRE STREET TO GULF STREET OWNED BY/PREPARED FOR

UNITIL ENERGY SYSTEMS, INC. 6 LIBERTY LANE, HAMPTON, NH

SCALE: 1"=100'

SEPTEMBER 18, 2019

| 48 Constitution Drive Bedford, NH 03110 Phone (603) 472-4488 Fax (603) 472-9747 www.tfmoran.com

DR CK

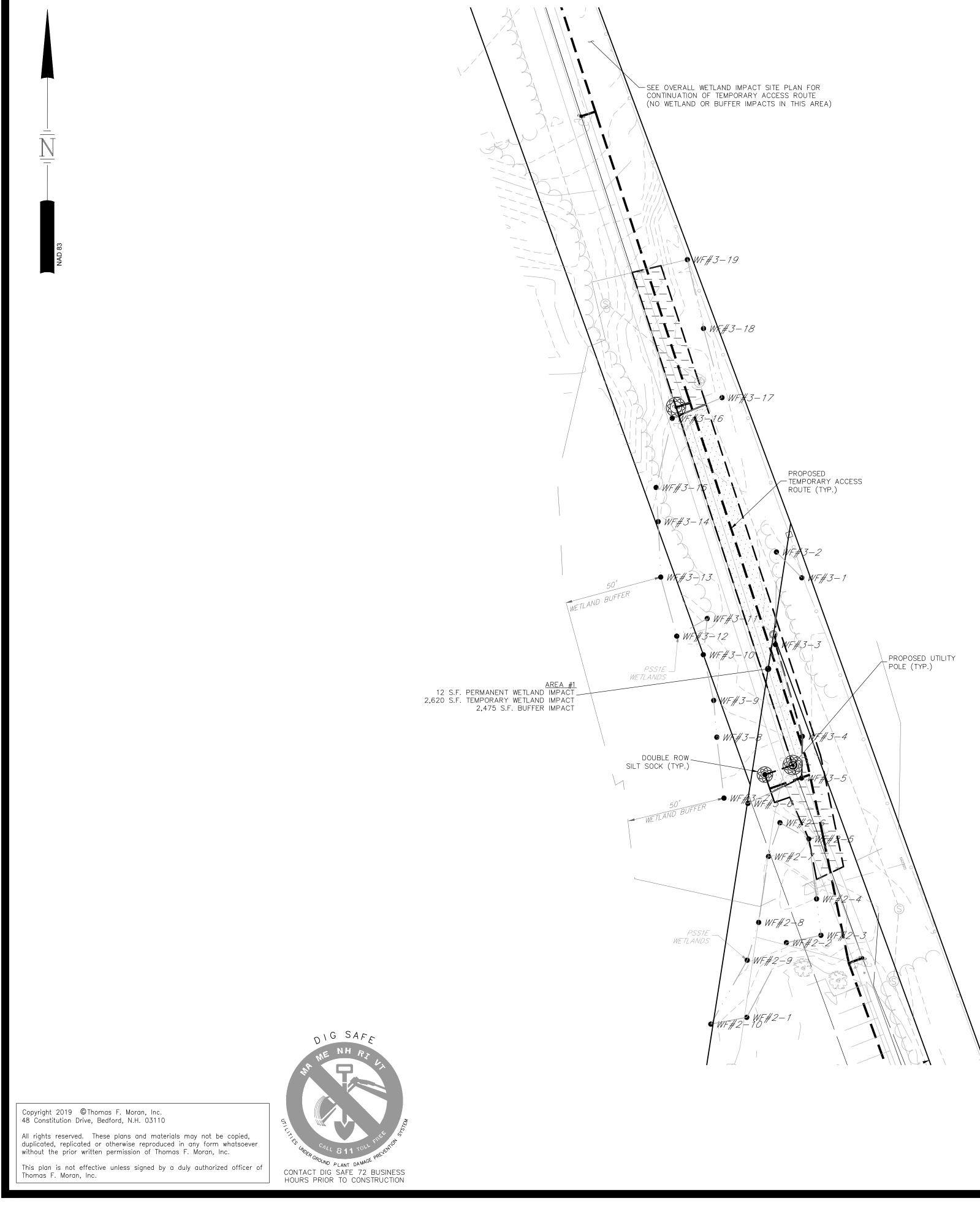
NICHOLAS C. GOLON

No. 14086



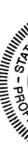
Civil Engineers Structural Engineers Traffic Engineers Land Surveyors Landscape Architects Scientists

C-03



	HORIZONTAL	SCALE	1"=30'	
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30	15	0		30

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NOTES

- 1. THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED WETLAND IMPACT AREAS AND MAT ACCESS ROUTE IN THE PROJECT AREA.
- 2. THE CONTRACTOR SHALL INSTALL PRE-FABRICATED MATS ALONG THE PROPOSED ACCESS ROUTE. CONSTRUCTION VEHICLES SHALL USE THE PROPOSED MAT ACCESS ROUTE. ACCESS ROUTE IS PICTORIAL ONLY.
- 3. AREAS IMPACTED BY MATS SHALL BE STABILIZED IN ACCORDANCE WITH THE PROJECT EROSION CONTROL NOTES, SEE SHEET 2 FOR ADDITIONAL MAT DETAILS.
- 4. CONTRACTOR SHALL PROVIDE STREET SWEEPER OR OTHER MEANS TO KEEP ROADWAYS AND PARKING AREAS CLEAR OF CONSTRUCTION RELATED DEBRIS OR SEDIMENT AT ALL TIMES.
- 5. FINAL LAYOUT OF TIMBER MATTERING BY CONTRACTOR. SHOULD LAYOUT OF TIMBER MATTING EXCEED AREA
- 6. SILT SOCK TO BE PLACED AT LIMITS OF ALL PERMANENT IMPACT AREAS. AREAS SHALL BE STABILIZED AT THE COMPLETION OF CONSTRUCTION WITH HAY MULCH AT A RATE OF 1.5 TONS OF MULCH PER ACRE AND SEED.

WETLAND IMPACT NOTES

SHOWN ADDITIONAL PERMITTING SHALL BE REQUIRED.

WETLAND IMPACTS FOR THE PROPOSED PROJECT:

<u>PERMANENT WETLAND IMPACTS = 12 S.F. (TOTAL)</u>

- PERMANENT IMPACTS CONSIST OF: 8 S.F. PER POLE, 4 S.F. PER GUY ANCHOR AREA 1 = 12 S.F.

TEMPORARY WETLAND IMPACTS = 2,620 S.F. (TOTAL) TEMPORARY IMPACTS: FOR ACCESS FOR POLE INSTALLATION. IMPACT ONLY IF WINTER CONDITIONS ARE NOT ACCEPTABLE FOR CONSTRUCTION. MATS WILL BE USED TO MINIMIZE TEMPORARY IMPACT AREAS IF FROZEN CONDITIONS ARE NOT AVAILABLE. AREA 1 = 2,620 S.F.



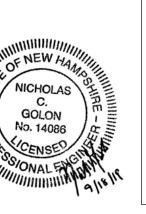
<u>WETLAND BUFFER IMPACTS = 2,475 S.F. (TOTAL)</u>

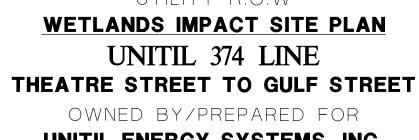
AREA 1 = 2,475 S.F.



WETLAND IMPACT PLANS

UTILITY R.O.W





UNITIL ENERGY SYSTEMS, INC. 6 LIBERTY LANE, HAMPTON, NH

SCALE: 1"=30'

SEPTEMBER 18, 2019

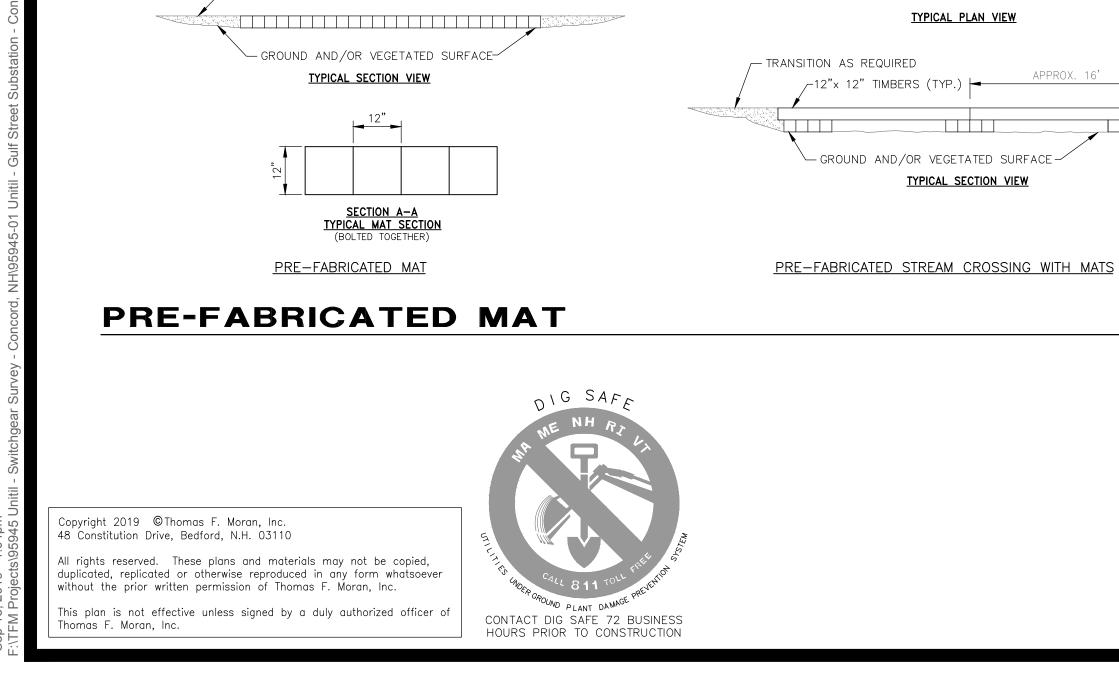
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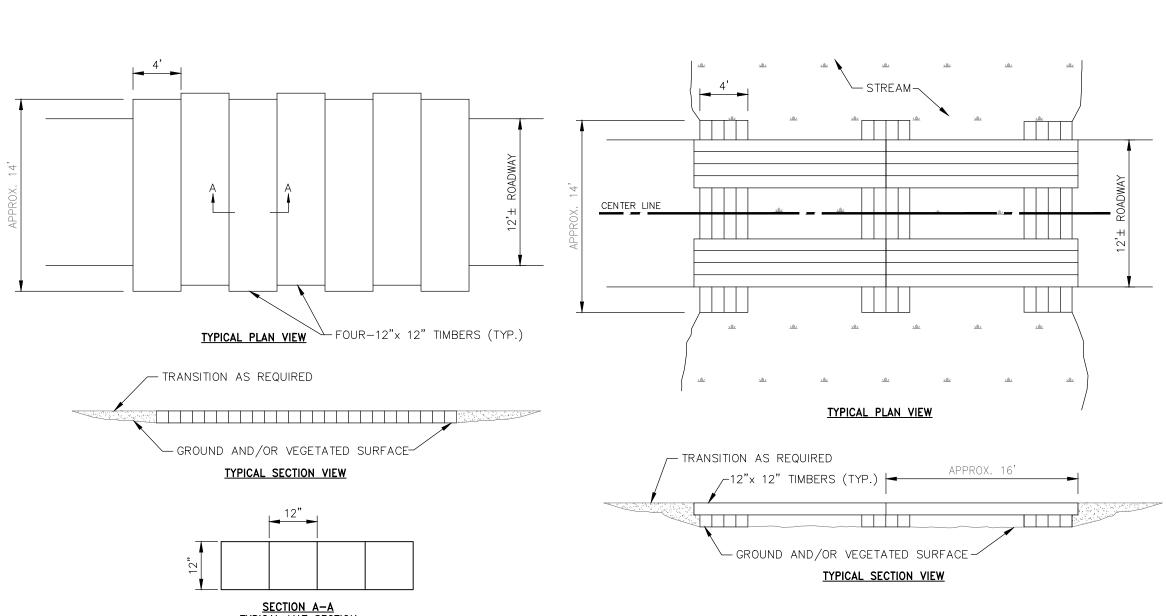
48 Constitution Drive Bedford, NH 03110 Phone (603) 472-4488 Fax (603) 472-9747 www.tfmoran.com

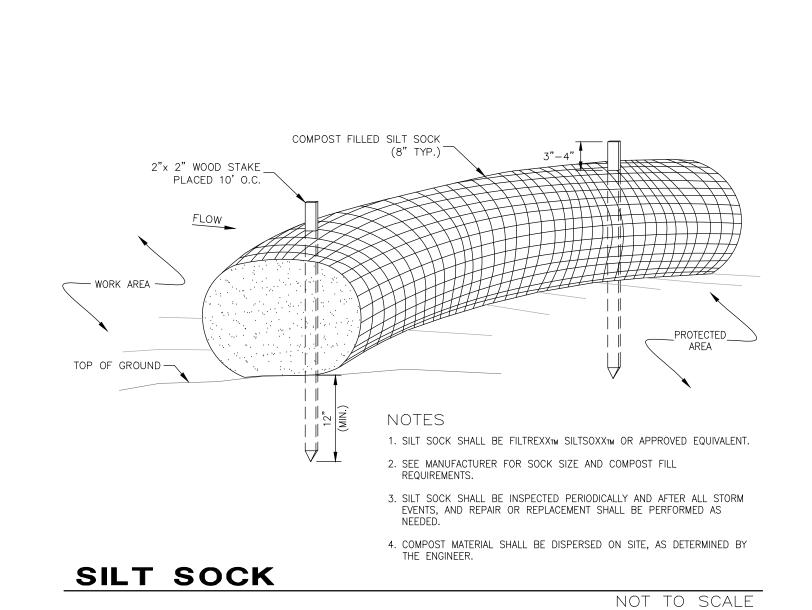
DR CK



Civil Engineers Structural Engineers Traffic Engineers Land Surveyors Landscape Architects Scientists







REV.	DA TE	DESCRIP TION

NOT TO SCALE



GUIDELINES

JANUARY 2012, SECTION 4.7.).

THE BED OR BANKING.

ACTIVITY IS COMPLETED.

LIMITATIONS

INSTALLATION

INSTALLATION, USE AND REMOVAL.

INSPECT AFTER EACH USE:

APPLICABLE.

INSPECTIONS

1. MATS TO BE INSTALLED TO PREVENT RUTTING, TO ACCESS STRUCTURES.

2. THIS DETAIL SHOWS TYPICAL DIMENSIONS. SOME CONTRACTORS MATS ARE DIMENSIONALLY DIFFERENT FROM WHAT IS SHOWN HERE.

3. DEPENDENT ON SITE CONDITIONS, MULTIPLE LAYERS OF MATS MAY BE USED.

1. PLACEMENT OF MATS SHOULD BE IN A LOCATION THAT WOULD MINIMIZE THE LENGTH NEEDED FOR CROSSING (SEE BEST MANAGEMENT PRACTICES MANUAL FOR UTILITY MAINTENANCE IN AND ADJACENT TO WETLANDS AND WATER BODIES IN NH, INTERIM

2. MATS MAY BE USED TO CROSS SMALL STREAMS PROVIDED THE MAT DOES NOT DISTURB

4. MATS SHALL BE REMOVED FROM WETLAND AREAS ONCE THE CROSSING OR MAINTENANCE

3. WHERE POSSIBLE, MATS SHOULD BE PLACED SO THAT THEY ARE NOT OVER TOPPED WITH WATER AND EQUIPMENT CAN WORK IN THE DRY.

1. MATS SHALL NOT BE PLACED SO THAT THEY RESTRICT THE NATURAL FLOW OF WATER.

MATS THAT HAVE BEEN PLACED IN AREAS IF INVASIVE SPECIES SHALL NOT BE USED AGAIN UNTIL THEY HAVE BEEN CLEANED AND INSPECTED.

1. INSTALL AND REMOVE IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, IF

1. LOOK FOR ANY DEFECTS OR STRUCTURAL PROBLEMS.

2. EVERY EFFORT SHOULD BE MADE TO MINIMIZE IMPACT TO WETLAND AREAS DURING

2. INSPECT FOR ANY PLANT MATERIAL LEFT ON MATS, REMOVE IMMEDIATELY.



WETLAND IMPACT PLANS

UNITIL 374 LINE

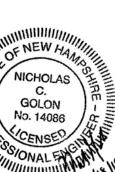
THEATRE STREET TO GULF STREET

OWNED BY/PREPARED FOR

UNITIL ENERGY SYSTEMS, INC.

6 LIBERTY LANE, HAMPTON, NH

UTILITY R.O.W **DETAIL**



SCALE: NTS DR CK



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C-05

SEPTEMBER 18, 2019