

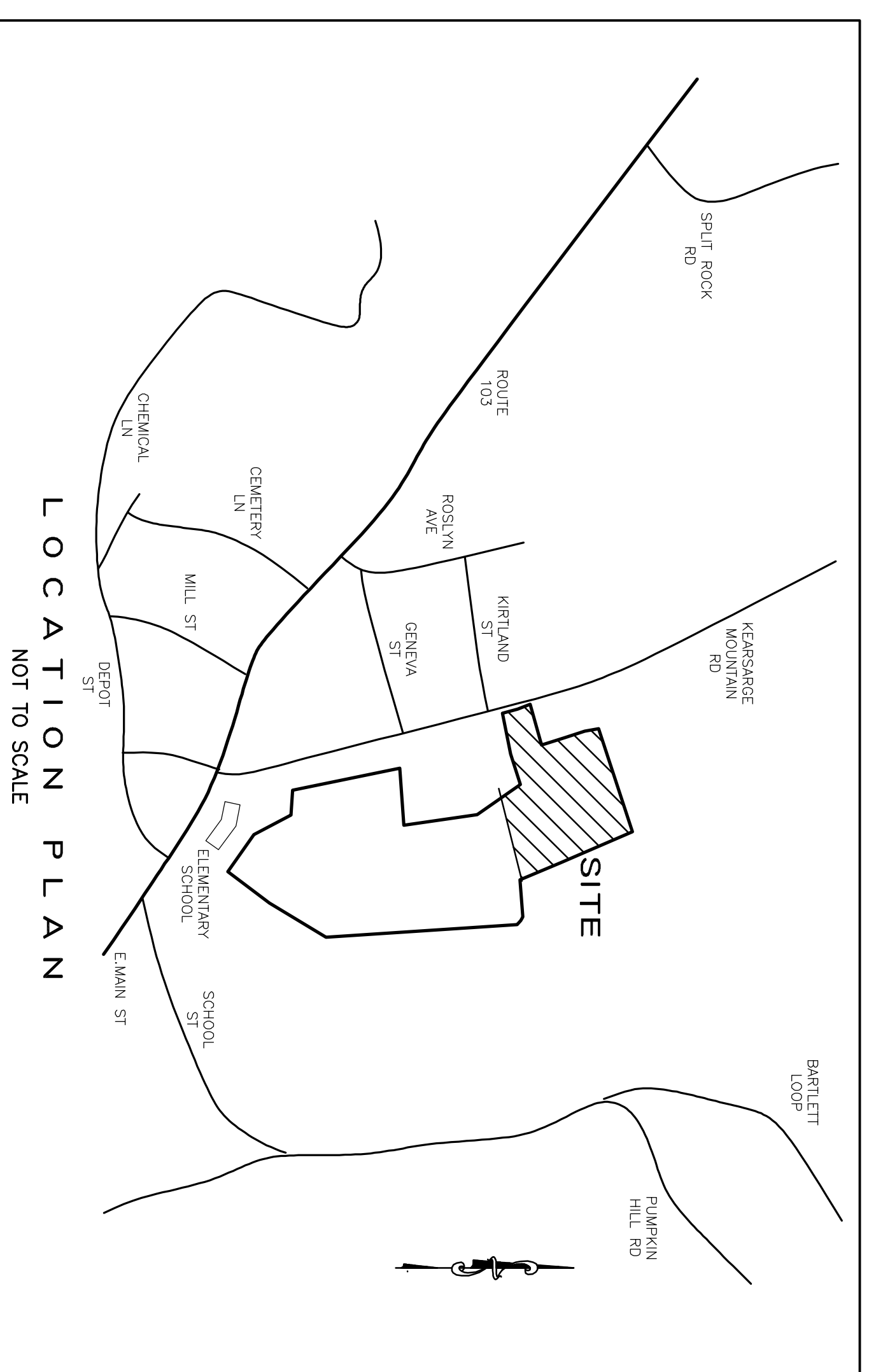
RESIDENTIAL LAND SUBDIVISION

LOCATED AT

TAX MAP 33 LOT 18 KEARSARGE MOUNTAIN ROAD WARNER, NEW HAMPSHIRE MERRIMACK COUNTY

Symbols Legend:

- | | | | |
|--|---|--|-------------------------------|
| | 10 FT CONTOUR | | EXISTING CATCH BASIN |
| | 2 FT CONTOUR | | PROP. CATCH BASIN |
| | STONE WALL | | RIP RAP APRON |
| | PROPOSED DITCH | | BASIN BERM |
| | EXISTING DITCH | | SILT FENCE |
| | WETLAND | | STONE CHECK DAM |
| | PROP. DRAIN LINE | | SPOT ELEVATION |
| | TEST PIT | | FLOW DIRECTION |
| | PERC TEST | | PROPOSED GRADE CONTOUR |
| | OVERHEAD WIRES | | PROPOSED EARTH DIVERSION BERM |
| | BUILDING SETBACK LINE
(T.B.R.) TO BE REMOVED | | TREELINE |



CONSULTANTS:

<u>Licensed Land Surveyor</u>	<u>Certified Soil Scientist</u>
J.E. Belanger Land Surveying, PLLC. 61 Old Hopkinton Road Dunbarton, NH 03046 Phone: (603) 774-3601	Fenverta Mapping, LLC 43 Bartlett Hill Road, Deering, NH, 03244

THE LOCATION OF ANY UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE AND THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE INFORMATION PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ANY UTILITIES WHETHER THEY BE ABOVE OR BELOW GROUND. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 1-800-DIG-SAFE.



CONTACT DIG SAFE 72 HOURS
PRIOR TO CONSTRUCTION

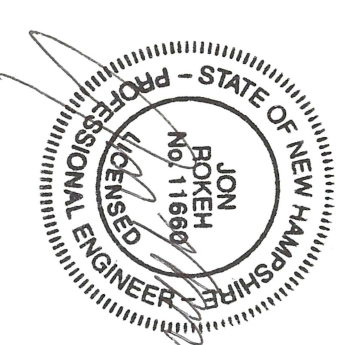
DATE	DESCRIPTION	BY

APPROVED BY THE TOWN OF WARNER NH PLANNING BOARD

CHAIRPERSON / VICE CHAIRPERSON _____

DATE _____

Owner / Applicant:
Sydney Elizabeth Boyer
Kearsarge Mountain Road
Warner, NH 03278



JUNE 28, 2023

Sheet Index:

DWG NO.	DESCRIPTION
1	COVER
2	100 SCALE EXISTING CONDITIONS PLAN
3-6	SUBDIVISION PLAN PLANS
7	GRADE DRAINAGE AND EC
8	UTILITY PLAN
9	ROAD PROFILE
10	SIGHT DISTANCE PLAN & PROFILE
11-16	CONST. DETAILS

Agency Approvals

NHDES - SEWER SYSTEM APPROVAL # _____ P E N D I N G

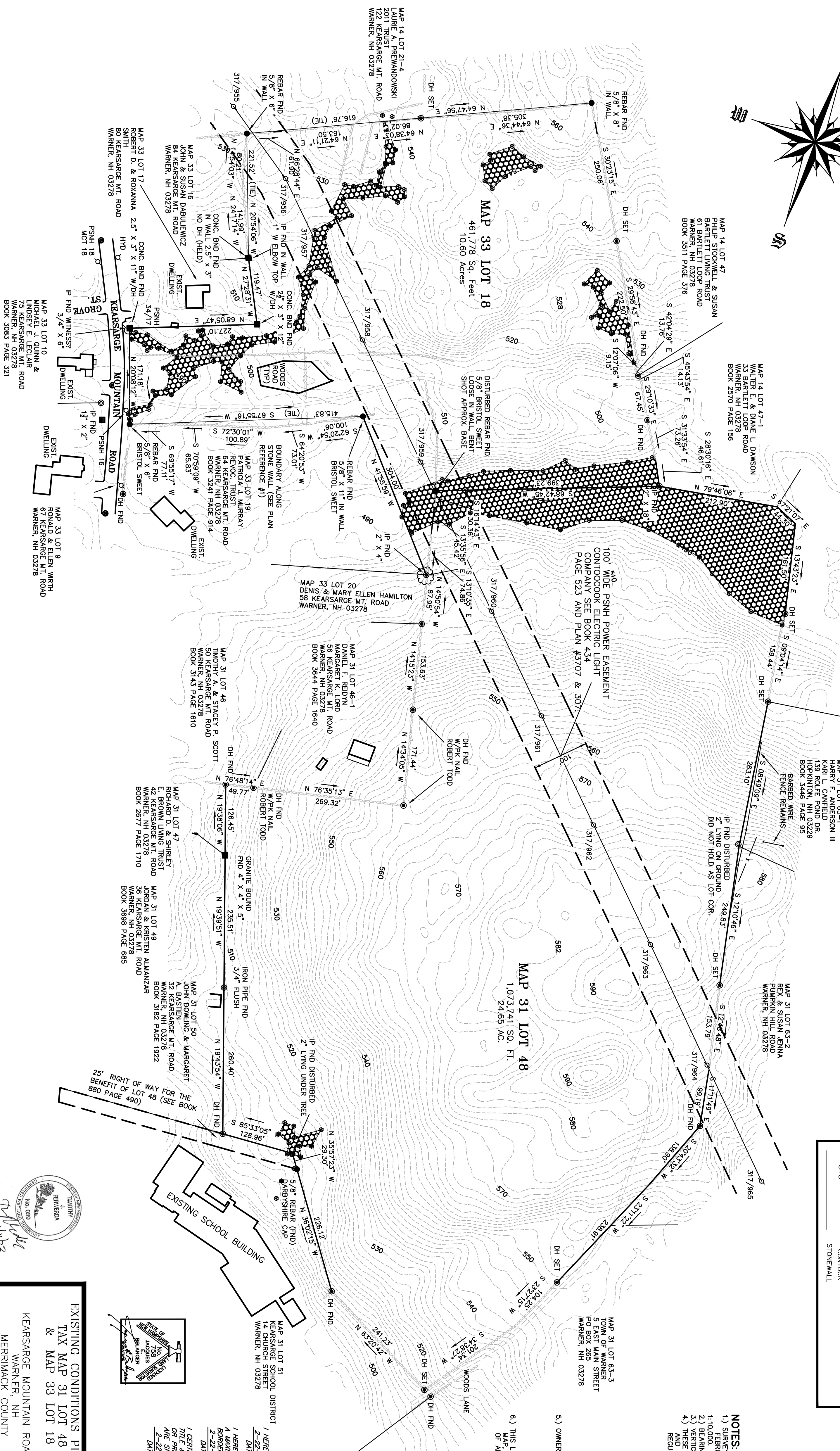
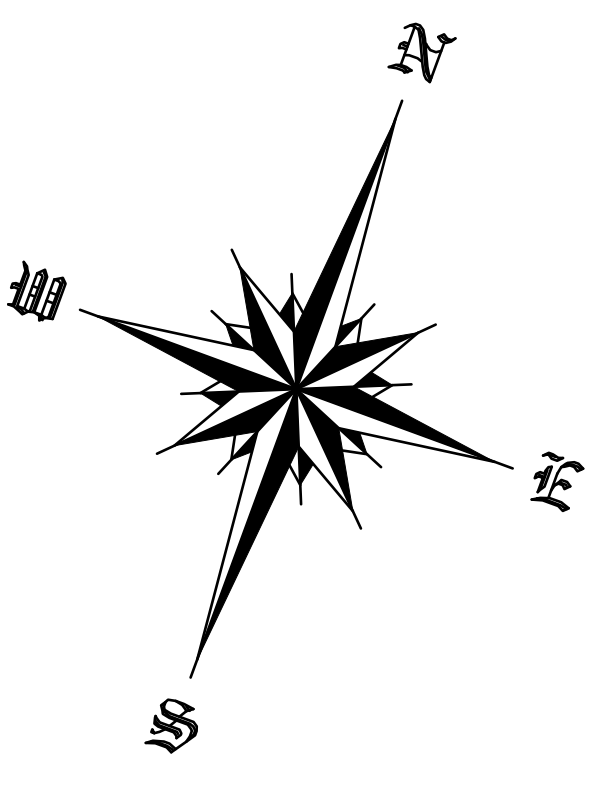
WATER SYSTEM APPROVAL # _____ P E N D I N G

NOTE:

- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE TOWN OF WARNER REGULATIONS, AND THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- ELEVATIONS ARE BASED ON NGVD 29 DATUM.
- PHYSICAL EVIDENCE OF EXISTING UTILITIES WERE LOCATED ON THE GROUND HOWEVER PRIOR TO ANY CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT DIG-SAFE AND VERIFY ALL UNDERGROUND AND OVERHEAD UTILITY LOCATIONS.

DESIGN ENGINEER:
Rokeh Consulting, LLC
89 KING ROAD, CHICHESTER, NH
PH: 603-387-8688

RESERVED FOR REGISTRY USE

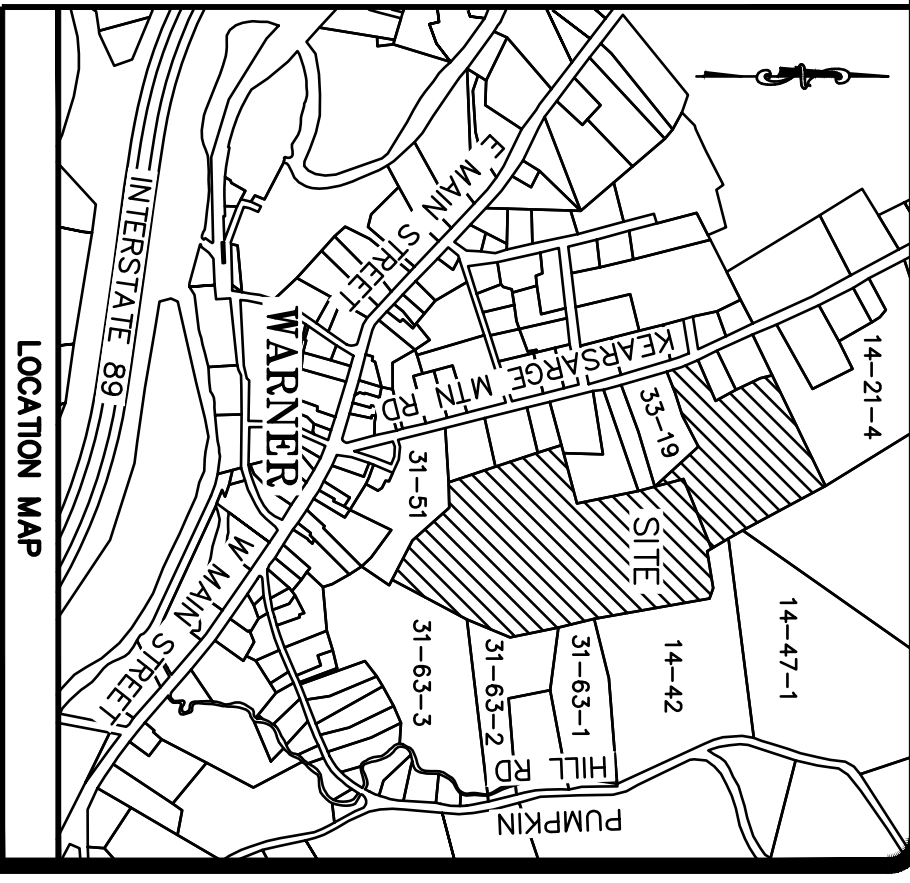


MAP 14 LOT 42
WARNER FISH AND GAME
P.O. BOX 58
WARNER, NH 03278
BOOK 713 PAGE 234

- PLAN REFERENCES:**
- 1) ANNEXATION PLAN FOR JOHN R. HILL, KEARSARGE MOUNTAIN ROAD, WARNER, NH, DATED MARCH 6, 1995, SCALE: 1" = 50', PREPARED BY BRISTOL SWEET & ASSOCIATES, INC., AND BEING RECORDED IN THE WORD PLAN #1322.
 - 2) SUBDIVISION PLAN OF KEARSARGE MOUNTAIN ROAD, WARNER, NH, DATED JUNE 1974, SCALE: 1" = 40', COL. SURVEYED BY R.J. MATOU & CO., INC. AND BEING RECORDED IN THE WORD PLAN #3707.
 - 3) SUBDIVISION PLAN OF ALAN D. & MARGARET K. LORD, MAP 31 LOT 46, SCALE: 1" = 40', DATED JUNE 22, 2002, PREPARED BY TODD LAND CONSULTANTS AND BEING RECORDED IN THE WORD PLAN #1993.
 - 4) RECORDED IN THE WORD PLAN #1993, WARNER ELEMENTARY SCHOOL, STREET, WARNER, NH, DATED AUGUST 1, 2001, SCALE: 1" = 40', PREPARED BY PAUL M. DARBYSHIRE ASSOC. AND BEING RECORDED IN THE WORD PLAN #1816.
 - 5) SUBDIVISION PLAN OF TAX MAP 14 LOT 21, KEARSARGE STREET, WARNER, NH, LAND OF RICHARD AND JUDITH SANDY, PREPARED FOR AND COORDINATION BY LAMARNE SURVEYING, INC., AND BEING RECORDED IN THE WORD PLAN #1517.
 - 6) SURVEY FOR FREDERIC L. & SUSAN L. O'CONNOR, WEST SIDE OF PUMPKIN HILL ROAD, WARNER, NH, DATED 11/20/1980, SCALE: 1" = 80', PREPARED BY BRISTOL SWEET & ASSOCIATES, INC. AND BEING RECORDED IN WORD PLAN #9013.

LEGEND

■	GRANITE BOUND TO BE SET
□	GRANITE BOUND FOUND
○	IRON PIPE/PIN
●	SEWER MANHOLE
⊙	DRILL HOLE
⊕	STORMWATER MANHOLE
⊖	TEST PIT
⊘	WELL
⊙	HYDRANT
⊙	UTILITY POLE
⊙	STREET SIGN
---	LOT LINE
---	SETBACK LINE
---	GRAVEL
---	CONTOUR
---	STONE WALL



- NOTES:**
- 1) STAKE BY TOTAL STATION WAS MADE BY THIS COMPANY BETWEEN FEBRUARY 9-11, 2022 WITH AN ERROR OF LESS THAN 1:10,000.
 - 2) BEARINGS ARE BASED ON NH STATE GRID COORDINATES.
 - 3) VERTICAL DATUM IS BASED ON NAVD 88.
 - 4) THESE ARE NOT TO BE CONSIDERED AS A BASIS FOR ANY ENGINEERING OR ARCHITECTURAL DESIGN OR FOR THE FOLLOWING TOWN OF WARNER ZONING REGULATIONS.
 - 5) MINOR SUBDIVISION: MINIMUM BUILDABLE AREA = 2 ACRES (LOTS WITHOUT TOWN SEWER) MINIMUM LOT FRONTAGE = 200' (LOTS WITHOUT TOWN SEWER) MINIMUM BUILDABLE AREA = 40,000 SQ. FT. (LOTS WITH TOWN SEWER) MINIMUM LOT FRONTAGE = 120' (LOTS WITH TOWN SEWER) ALL STRUCTURE SETBACKS = 25' FROM AN ABUTTERS PROPERTY LINE MAJOR SUBDIVISION: 40' FROM EDGE OF PUBLIC ROW
 - 6) THIS LAND IS NOT LOCATED IN A FLOOD ZONE PER FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 3301300287E HAVING AN EFFECTIVE DATE OF APRIL 19, 2010.

CERTIFICATIONS

HEREBY CERTIFY THAT THIS MAP HAS BEEN MADE UNDER MY SUPERVISION

DATE: 2-22-22

1. HEREBY CERTIFY THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY & HAS A MAXIMUM ERROR OF CLOSURE OF 1:10,000 ON ALL PROPERTY LINES IN & BORDERING THE SUBJECT PROPERTY.

DATE: 2-22-22

1. CERTIFY THAT THIS SURVEY PLAN IS NOT A SUBDIVISION PURSUANT TO THIS TITLE & THAT THE LINES OF STREETS & WAS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED & THAT NO NEW WAYS

DATE: 2-22-22

1. CERTIFY THAT THIS SURVEY PLAN IS NOT A SUBDIVISION PURSUANT TO THIS TITLE & THAT THE LINES OF STREETS & WAS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED & THAT NO NEW WAYS

EXISTING CONDITIONS PLAN

TAX MAP 31 LOT 48 & MAP 33 LOT 18

OWNER OF RECORD:
SYDNEY ELIZABETH BOYER

KEARSARGE MOUNTAIN ROAD
WARNER, NH
MERRIMACK COUNTY

KEARSARGE MOUNTAIN ROAD
WARNER, NEW HAMPSHIRE
MERRIMACK COUNTY

J.E. BELANGER LAND SURVEYING, P.L.L.C.

LICENSED LAND SURVEYOR

61 OLD HOPEKILLION ROAD, DUNBAR, NH 03040

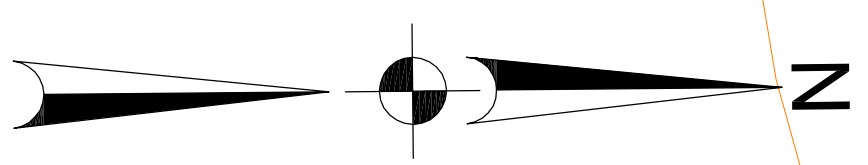
* BOUNDARY SURVEYS
* SUBDIVISIONS
* LAND PLANNING
* SEPTIC DESIGN

PLAN DATE: FEBRUARY 22, 2022
SCALE: 1" = 100'
PROJECT NO.: 222297
SHEET 1 OF 1

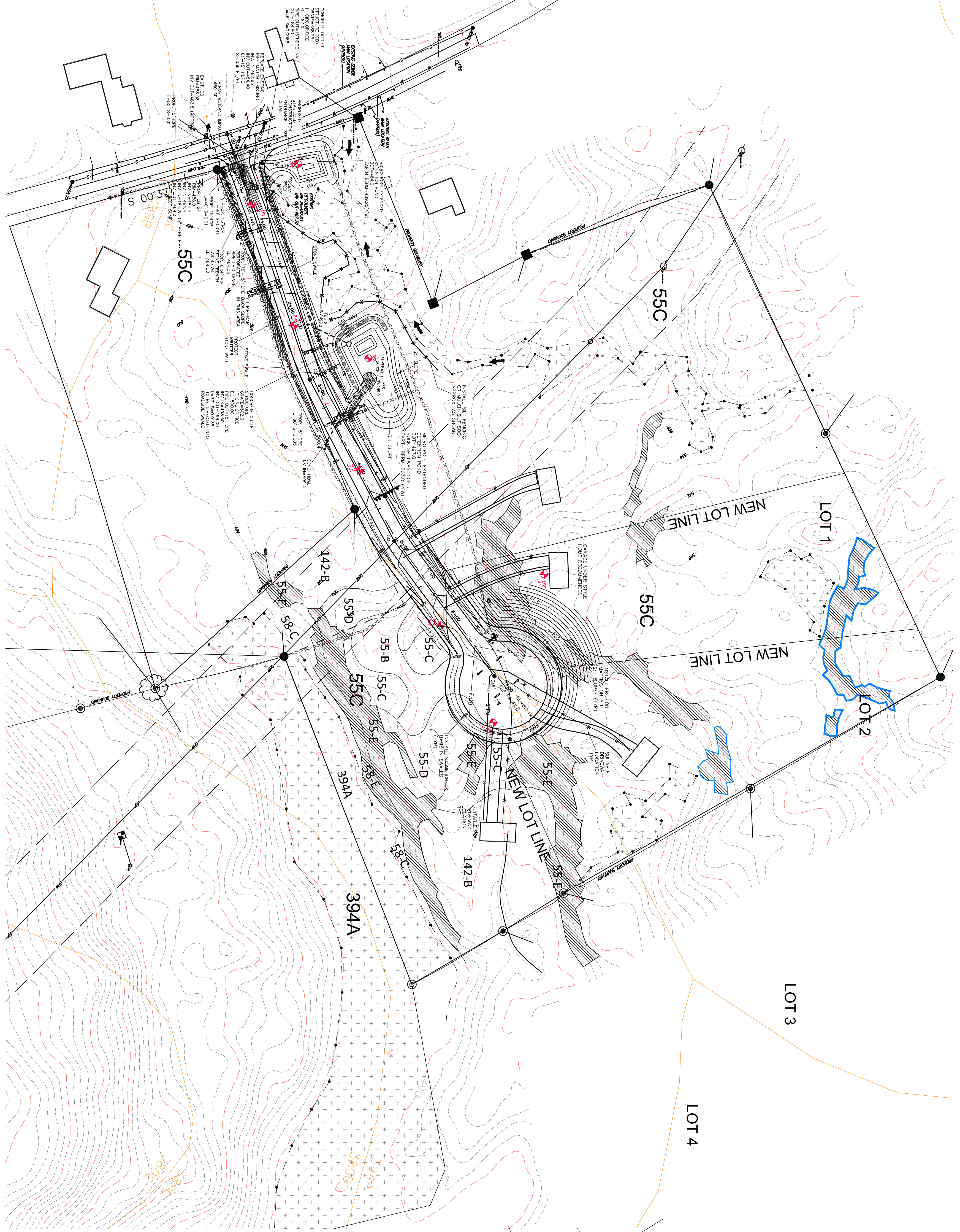
NO.	REVISION	DATE

GRAPHIC SCALE





KEARSARGE MOUNTAIN ROAD

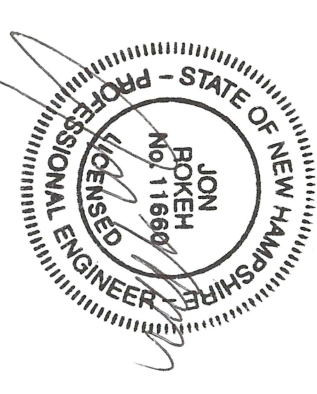
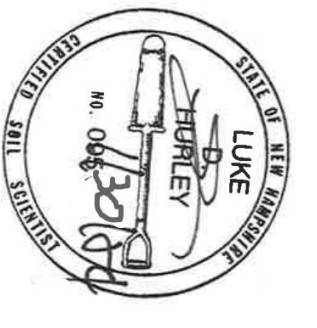


SOIL TYPES:

DEVELOPED AREA:
55C HERMON SANDY LOAM - 8-15% SLOPES, VERY STONY,
HSG CLASS A
ADJACENT AREA: (NO CONSTRUCTION IS WITHIN THIS AREA)
394A CHOCORUA MUCKY PEAT - HSG CLASS A

SOIL TYPES LOT 4 (AS SHOWN):

55 NRCS HERMON HISS 121
142 NRCS MONADNOCK HISS 221
58 NRCS WAUMBECK HISS 321
394 NRCS CHOCORUA HISS 611

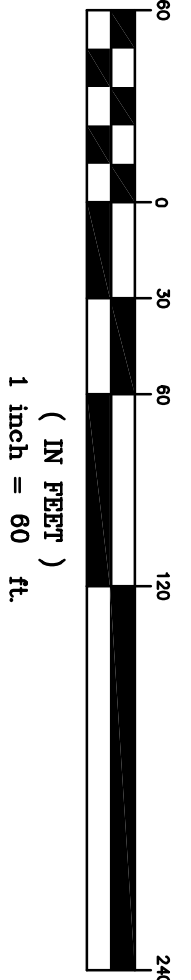


SEE DETAIL SHEETS FOR NOTES ABOUT
CONSTRUCTION SEQUENCE, AND PROCEDURES FOR
PROPER CONSTRUCTION AND EROSION CONTROL
PRACTICES.



THE LOCATION OF ANY UTILITY INFORMATION SHOWN ON THIS
PLAN IS APPROXIMATE. THE ENGINEERS MAKE NO CLAIM
TO THE ACCURACY OR COMPLETENESS OF UTILITIES SHOWN.
WHETHER THEY BE ABOVE OR BELOW GROUND.
PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL
CONTACT DIG SAFE AT 1-800-DIG-SAFE.

CONTACT DIG SAFE 72 HOURS
PRIOR TO CONSTRUCTION



APPROVED BY THE WARNER NH PLANNING BOARD
CHAIRPERSON / VICE CHAIRPERSON
DATE

Owner / Applicant:
Sydney Elizabeth Boyer
Kearsarge Mountain Road
Warner, NH 03278

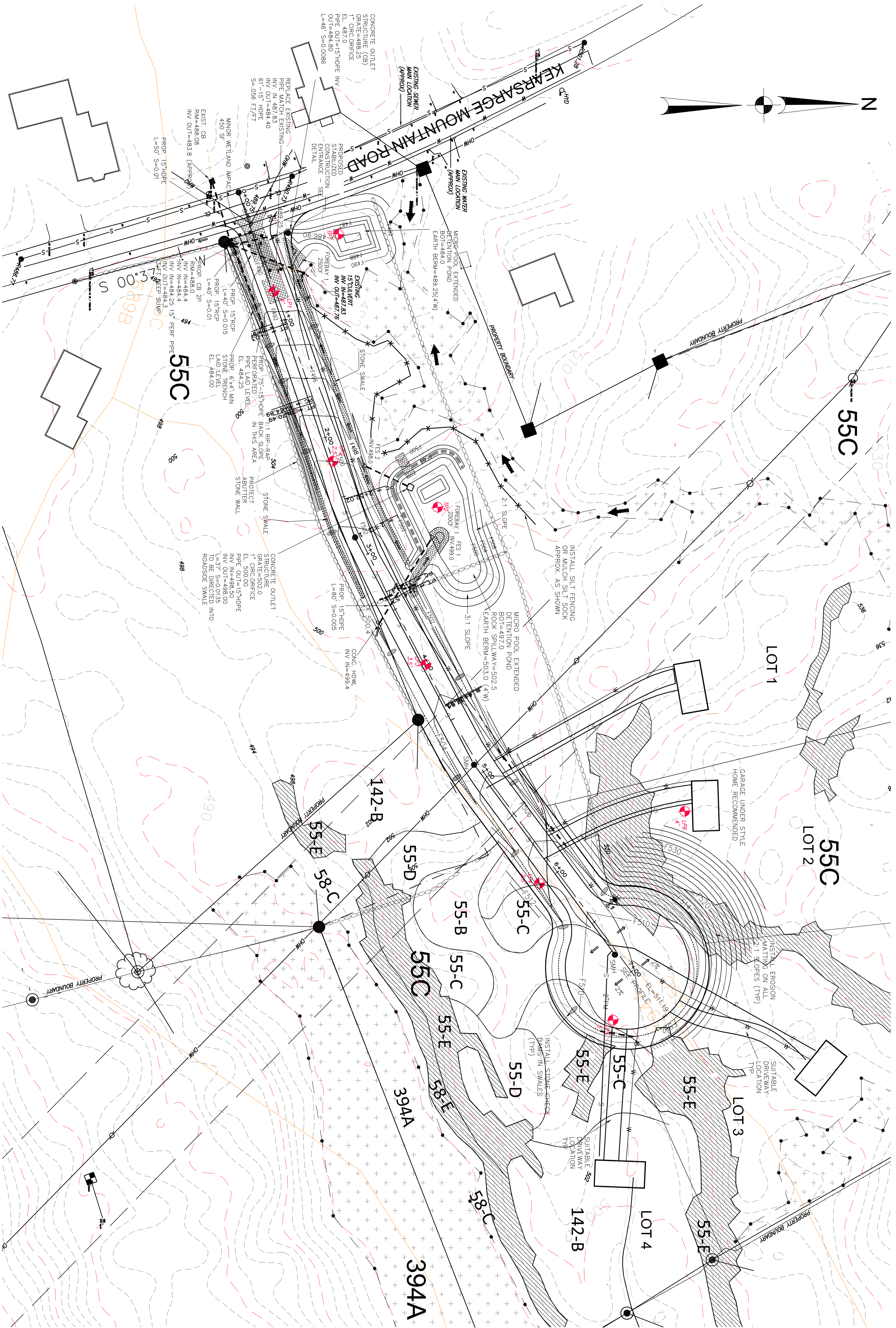
OVERALL SUBDIVISION SHEET
TAX MAP 33 LOT 18
Kearsarge Mountain Road
Warner, New Hampshire

REVISIONS

DATE	DESCRIPTION	DWN BY	CK BY
7-24-24		JR	JR
8-5-24		JR	JR

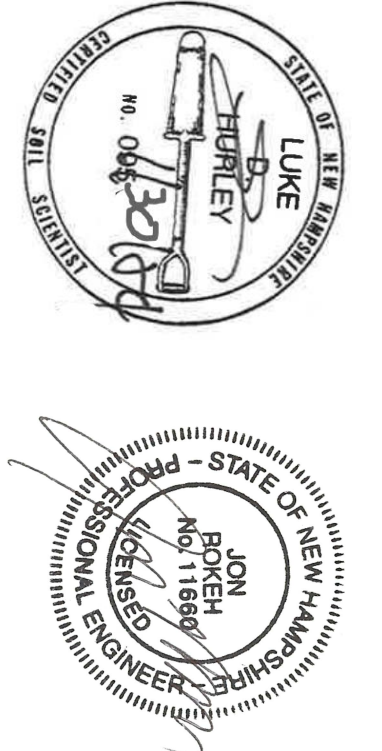
Roken Consulting, LLC
89 KING ROAD, CHICHESTER, NH
PH: 603-387-8688

SCALE: 1"=60'
DATE: JUNE 28, 2023
DR. BY: JR CK. BY: JR
JOB NO. _____
SHEET NO. 7A OF 16



SOIL TYPES:
 DEVELOPED AREA:
 55C HERMON SANDY LOAM - 8-15% SLOPES, VERY STONY,
 H5G CLASS A
 ADJACENT AREA: (NO CONSTRUCTION IS WITHIN THIS AREA)
 394A CHOCORUA MUCKY PEAT - H5G CLASS A

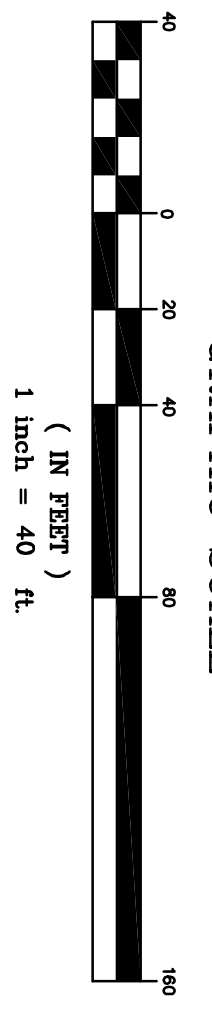
SOIL TYPES LOT 4 (AS SHOWN):
 55 NRCS HERMON HISS 121
 142 NRCS MONADNOCK HISS 221
 58 NRCS WAUMBECK HISS 321
 394 NRCS CHOCORUA HISS 611



SEE DETAIL SHEETS FOR NOTES ABOUT CONSTRUCTION SEQUENCE, AND PROCEDURES FOR PROPER CONSTRUCTION AND EROSION CONTROL PRACTICES.



CONTACT DIG SAFE 72 HOURS PRIOR TO CONSTRUCTION
 THE LOCATION OF ANY UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. THE ENGINEERS MAKE NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UTILITIES SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ANY UTILITIES WHETHER THEY BE ABOVE OR BELOW THE GROUND. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 1-800-DIG-SAFE.



APPROVED BY THE WARNER NH PLANNING BOARD
 CHAIRPERSON / VICE CHAIRPERSON
 DATE

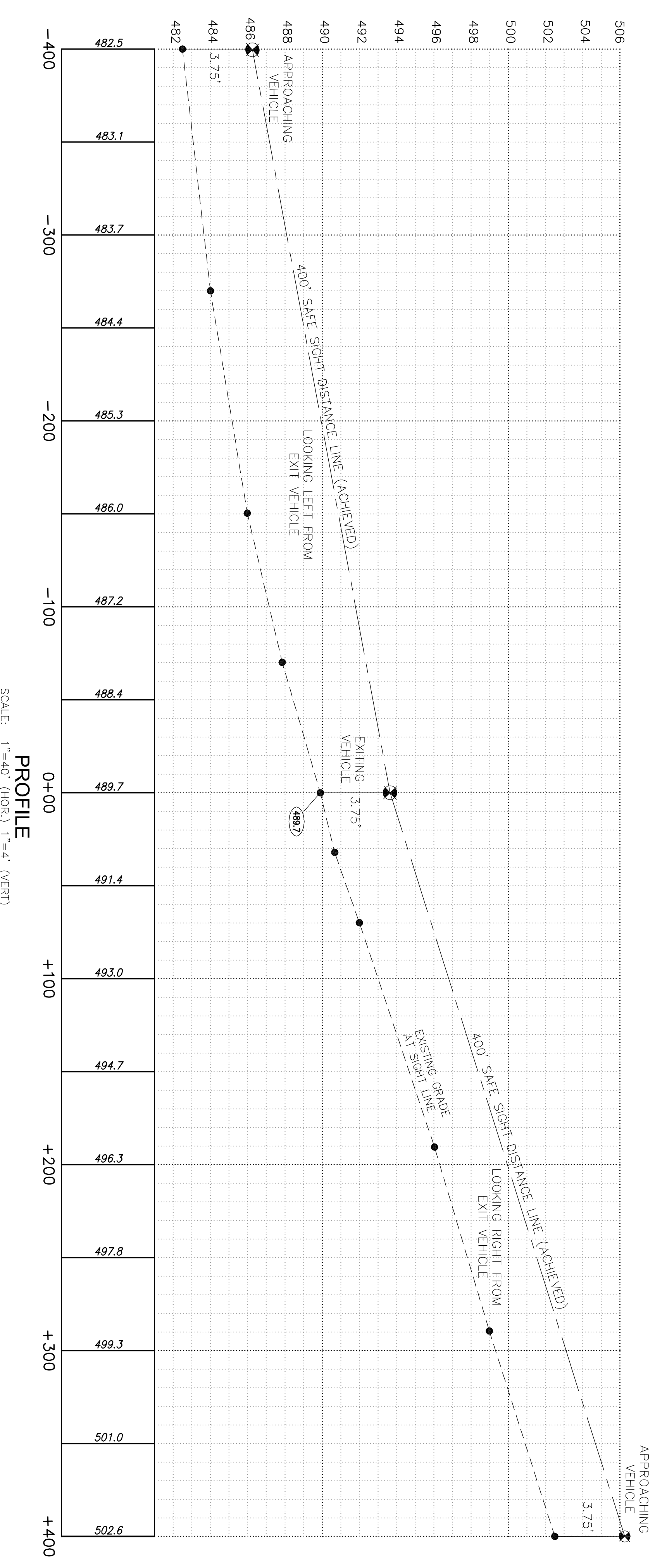
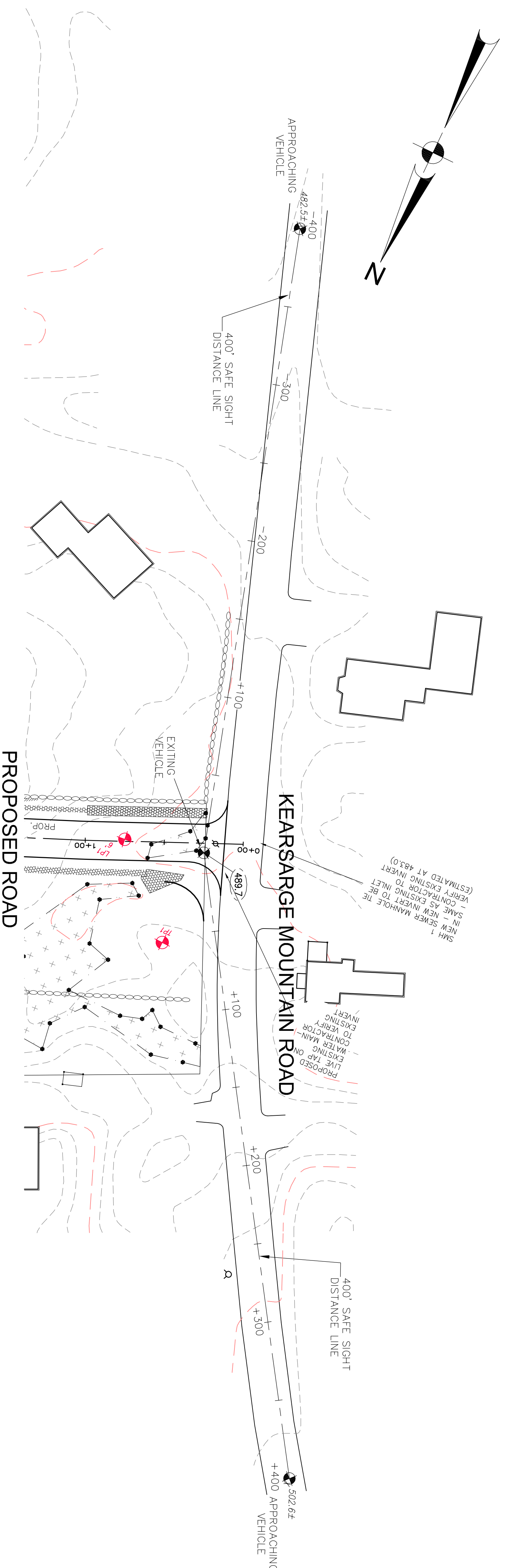
Owner / Applicant:
 Sydney Elizabeth Boyer
 Kearsarge Mountain Road
 Warner, NH 03278

GRADING DRAINAGE AND EROSION CONTROL PLAN
 TAX MAP 33 LOT 18
 Kearsarge Mountain Road
 Warner, New Hampshire

DATE	DESCRIPTION	DWN BY	CK BY
7-24-24	EDITS PER COMMENTS.	JR	JR

Rokeh Consulting, LLC
 89 KING ROAD, CHICHESTER, NH
 PH: 603-387-8688

SCALE: 1"=40'
 DATE: JUNE 28, 2023
 DR. BY: JR CK. BY: JR
 JOB NO. _____
 SHEET NO. 7 OF 16

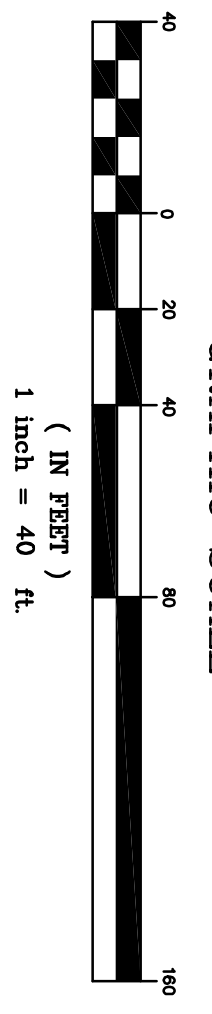


SEE DETAIL SHEETS FOR NOTES ABOUT CONSTRUCTION SEQUENCE, AND PROCEDURES FOR PROPER CONSTRUCTION AND EROSION CONTROL PRACTICES.



CONTACT DIG SAFE 72 HOURS PRIOR TO CONSTRUCTION

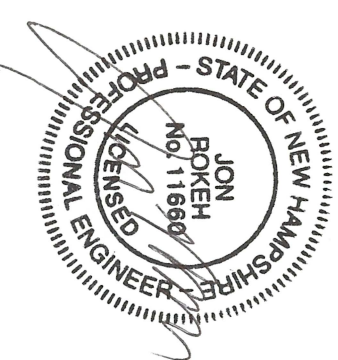
THE LOCATION OF ANY UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. THE ENGINEERS MAKE NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UTILITIES SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ANY UTILITIES WHETHER THEY BE ABOVE OR BELOW GROUND. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 1-800-DIG-SAFE.



APPROVED BY THE WARNER NH PLANNING BOARD

CHAIRPERSON / VICE CHAIRPERSON

DATE



Owner / Applicant:
Sydney Elizabeth Boyer
Kearsarge Mountain Road
Warner, NH 03278

SIGHT DISTANCE PLAN AND PROFILE
TAX MAP 33 LOT 18
Kearsarge Mountain Road
Warner, New Hampshire

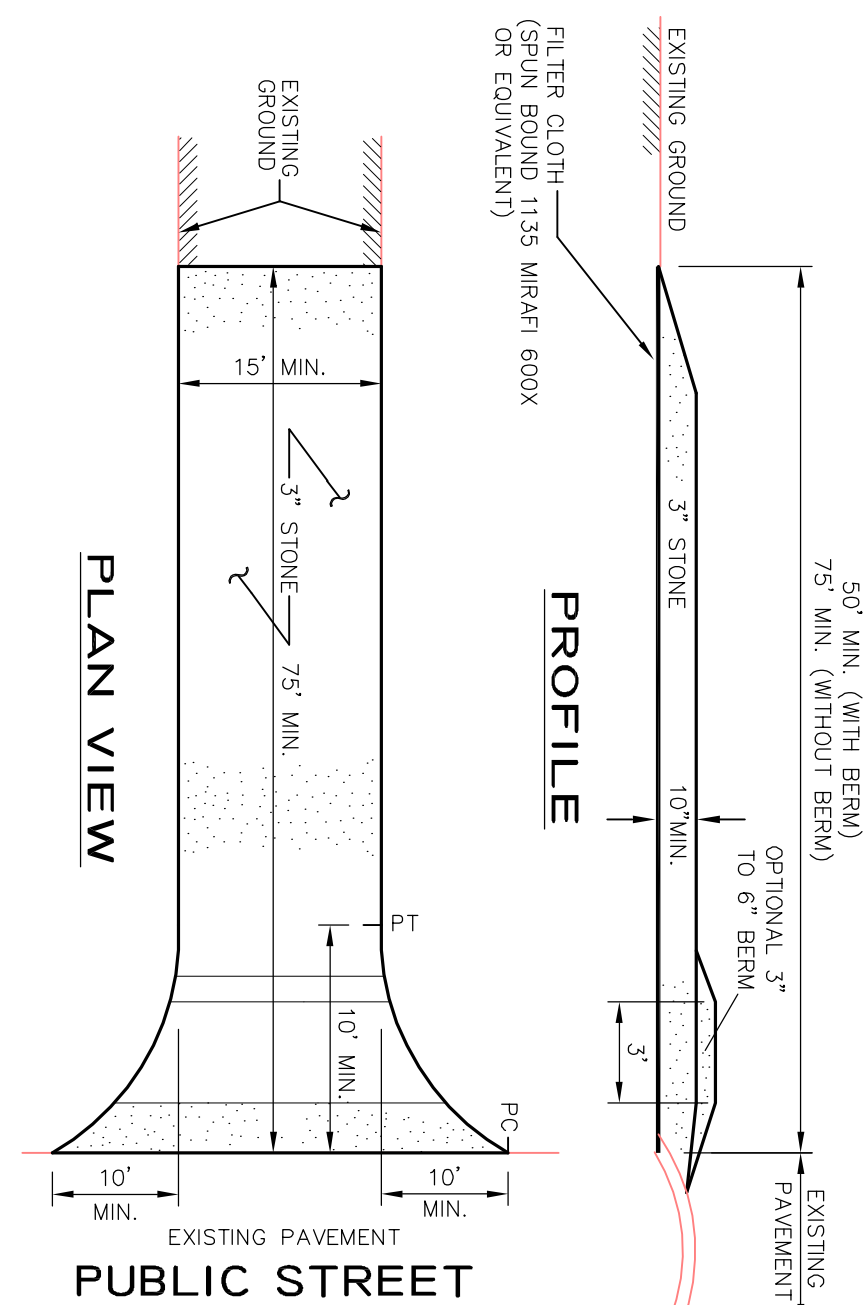
DATE	DESCRIPTION	DWN BY	CK BY
7-24-24	EDITS PER COMMENTS.	JR	JR

Rokeh Consulting, LLC
89 KING ROAD, CHICHESTER, NH
PH: 603-387-8688

SCALE: 1"=40'
DATE: JUNE 28, 2023
DR. BY: JR CK. BY: JR
JOB NO. _____
SHEET NO. 10 OF 16

EPA: NPDES GENERAL NOTES

1. THE PROPOSED LAND DISTURBANCE IS APPROXIMATELY 68,000 SF. THEREFORE, ACCORDING TO THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PHASE II CONSTRUCTION GENERAL PERMITS PROGRAM, PHASE II CONSTRUCTION GENERAL PERMITS PROGRAM, VOLUME 1, 2013 EDITION, AND ITEM OF THE NPDES PHASE II PROGRAM, VOLUME 1, 2013 EDITION.
2. THE OWNER AND CONTRACTOR ARE REQUIRED TO PREPARE, MAINTAIN AND HAVE ON FILE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
3. THE OWNER AND CONTRACTOR ARE REQUIRED TO PREPARE, SUBMIT, POST ON SITE AND HAVE ON FILE A NOTICE OF INTENT (NOI). CONSTRUCTION MAY NOT COMMENCE UNTIL 14 DAYS AFTER EPA HAS REVIEWED/APPROVED THE PROJECT NOI, WHICH GRANTS COVERAGE UNDER THE CDP (40CFR101.0030).
4. THE CONTRACTOR/OWNER IS RESPONSIBLE TO POST THE NOI ON SITE IN A HIGHLY VISIBLE POSITION, PROTECTED FROM THE WEATHER.
5. THE OWNER AND CONTRACTOR ARE REQUIRED TO INSTALL, INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES AS DESCRIBED ON THE APPROVED PLANS AND SWPPP INCLUDING INSPECTION LOGS.
6. THE OWNER OR CONTRACTOR MAY CONTACT THE NORTHEAST EPA REGIONAL COORDINATOR FOR RESOLUTION TO ANY NPDES, CDP, SWPPP, NOI OR NOTE QUESTIONS, CONCERNS OR CLARIFICATION: US EPA, REGION OF/OFFICE OF ECOSYSTEM PROTECTION 1 CONGRESS STREET, SUITE 1100 WASHINGTON, DC 20546-0101 PHONE: (617) 918-1619
7. THE PROPOSED PROJECT WILL NOT REQUIRE STATE (NHDES) ALTERATION OF TERRAIN PERMIT, SINCE THE UNDISTURBED LAND DISTURBANCE HAS BEEN DESIGNED TO HAVE LESS THAN 100,000 SF, ACCORDING TO ENR-405 413.
8. THE PROPOSED PROJECT WILL REQUIRE A STATE (NHDES) DREDGE AND FILL PERMIT, SINCE THE PROJECT IS A SMALL WETLAND DISTURBANCE AT THE ROADWAY ENTRANCE FOR A TOTAL OF APPROXIMATELY 450 SF.



NOTE

1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE 3 INCH STONE RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL BE NOT LESS THAN 75 FEET, EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 10 INCHES.
4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICH EVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER CLOTH IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENTIAL LOT.
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR LEAKING OF SEDIMENT ONTO ADJACENT ROADWAYS. THIS MAY REQUIRE PERIODIC CLEANING AND/OR REPAIRS TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.
8. WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

STABILIZED CONSTRUCTION EXIT

NOT TO SCALE

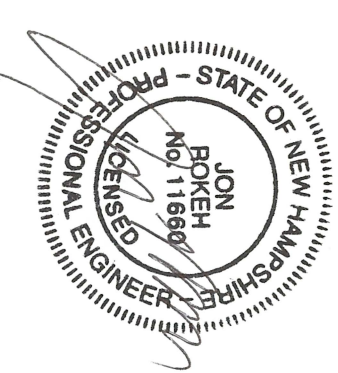
Owner / Applicant:
Sydney Elizabeth Boyer
Kearsarge Mountain Road
Warner, NH 03278

CONSTRUCTION SEQUENCE:

1. CUT AND CLEAR TREES WITHIN LIMIT OF WORK (PROPOSED FREELINE), UNLESS OTHERWISE NOTED. ALL STUMPS, BRANCHES, TOPS AND BRUSH TO BE PROPERLY DISPOSED OF, PREFERABLY OFF SITE.
2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AS SHOWN AND DETAILED IN THIS PLAN SET.
3. CONSTRUCT TEMPORARY AND PERMANENT EROSION CONTROL FACILITIES (DETENTION BASINS, TREATMENT SWALES, GRASS SWALES AND STONE LINED RIP-RAP SWALES) PRIOR TO ANY EARTH MOVING OPERATION. ALL BMP METHODS ON PRIVATE LOTS OR IN PUBLIC RIGHTS-OF-WAY SHALL BE IN PLACE AT THE TIME OF ANY ROADWAY CONSTRUCTION.
4. ALL SWALES AND DITCH LINES SHALL BE PROTECTED FROM EROSION. ALL DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
5. ALL STORM DRAINAGE SYSTEMS SUCH AS DETENTION/RETENTION BASINS, TREATMENT SWALES SHALL BE PROTECTED FROM EROSION. ALL STORM DRAINAGE SYSTEMS SHALL BE STABILIZED PRIOR TO DIRECTING FLOW INTO THEM. IF CATCH BASIN FRAMES AND GRATES ARE PROPOSED, SPECIFIC SOIL EROSION MEASURES MUST BE INSTALLED SUCH AS GRAVEL AND WIRE MESH DROP-INLET SEDIMENT FILTER OR BLOCK AND GRAVEL DROP-INLET SEDIMENT FILTER OR SILT-SM.
7. CONSTRUCT TEMPORARY CULVERTS, DIVERSION DITCHES/SWALES OR BERMS AS REQUIRED TO MINIMIZE THE EROSION EFFECTS OF STORMWATER RUNOFF DURING ALL CONSTRUCTION ACTIVITIES.
8. COMPLETE GRUBBING OPERATIONS. ALL STUMPS AND DEBRIS SHALL BE PROPERLY DISPOSED OF, PREFERABLY OFF SITE.
9. ALL MATERIAL SUITABLE FOR USE AS TOPSOIL SHALL BE STOCKPILED IN UPLANDS AREAS. ALL STOCKPILES SHALL BE SEEDED WITH WINTER RYE AND IF NECESSARY, SURROUNDED WITH SILT FENCE, AND/OR STRAW BALES, IN ORDER TO PREVENT OR CONTAIN SOIL EROSION.
10. ALL MATERIAL SUITABLE FOR FILL OR SELECT MATERIAL SHALL BE STOCKPILED IN UPLANDS AREAS. ALL STOCKPILES SHALL BE SURROUNDED WITH SILT FENCE, AND/OR STRAW BALES, IN ORDER TO CONTAIN SOIL EROSION.
11. REMOVE ALL UNNECESSARY ROADWAY/SITE FOUNDATION MATERIAL WITHIN 18" OF SURFACE. REPLACE WITH COMPACTED GRANULAR FILL ACCORDING TO THE STATE/TOWN SPECIFICATIONS. ALL SUITABLE FILL MATERIAL SHALL BE COMPACTED TO AT LEAST 95% THE DRY WEIGHT AS DETERMINED BY MOHRED PROCTOR TESTING (ASTM D-1558) REQUIREMENTS.
12. CONSTRUCT ALL UNDERGROUND UTILITIES INCLUDING, BUT NOT LIMITED TO DRAIN, DATA, CABLE AND POWER.
13. ROUGH GRADE ROADWAY/SITE WITHIN LIMIT OF WORK AND COMMENCE CONSTRUCTION OF ROADWAY.
14. COMPLETE ROADWAY/SITE SLOPE GRADING/EMBANKMENT CONSTRUCTION. ALL SLOPES SHALL BE STABILIZED AND SEEDING IMMEDIATELY AFTER GRADING. THE CONTRACTOR SHALL STABILIZE SLOPES WITH APPROPRIATE SEEDING PROGRAM OR JUTE MAT, WHEREVER SPECIFIED.
15. APPLY TOPSOIL TO DRIVEWAY SLOPES AND OTHER AREAS DISTURBED BY CONSTRUCTION. TOPSOIL USED MAY BE NATIVE ORGANIC MATERIAL, SPREAD AS IT IS FREE FROM ROOTS, BRANCHES, STONES, AND OTHER DETRIMENTAL MATERIALS. TOPSOIL SHALL BE APPLIED TO A DEPTH OF 4 INCHES. THE CONTRACTOR SHALL INSPECT COMPLETED SECTIONS OF WORK ON A REGULAR BASIS AND REMEDY ANY PROBLEM AREAS UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
16. PERFORM FINAL PAVING OPERATIONS, INSTALL GUARDRAIL (IF APPLICABLE) AS SHOWN ON THE APPROVED PLANS.
17. MAINTAIN, REPAIR, AND REPLACE TEMPORARY EROSION CONTROL MEASURES AS NECESSARY FOR A MINIMUM PERIOD OF 13 MONTHS FOLLOWING SUBSTANTIAL COMPLETION.
18. AFTER STABILIZATION (12 MONTHS FOLLOWING SUBSTANTIAL COMPLETION), REMOVE AND PROPERLY DISPOSE OF TEMPORARY EROSION CONTROL MEASURES, PREFERABLY OFF SITE.

SEEDING SPECIFICATIONS (TEMPORARY SEEDING)

1. ANY DISTURBED AREAS NOT SEED BY OCTOBER 15 SHALL BE SEEDING USING "TEMPORARY SEED MEASURES"
 A) BEDDING - REMOVE STONES AND TRASH THAT WILL INTERFERE WITH SEEDING THE AREA. WHERE FEASIBLE, TILL THE SOIL TO A DEPTH OF ABOUT THREE INCHES TO PREPARE SEED BED AND MIX THE FERTILIZER INTO SOIL.
 B) FERTILIZER - FERTILIZER SHOULD BE UNIFORMLY SPREAD OVER THE AREA PRIOR TO BEING TILLED INTO THE SOIL.
 C) SEED MIXTURE: USE ANY OF THE FOLLOWING SEEDING RATE:
 SEEDS PER ACRE PER 1,000 SF DATES DEPTH
 WINTER RYE 112 LBS 8/15 - 9/5 1 INCH
 OATS 80 LBS 2.0 LBS SPRING - 5/15 1 INCH
 ANNUAL RYE 40 LBS 1.0 LBS 4/15 - 9/15 1/4 INCH
 MULCH WITH GRASS 40 LBS 1.0 LBS 4/15 - 9/15 1/4 INCH
 D) MULCHING - WHERE IT IS IMPRACTICAL TO INCORPORATE FERTILIZER AND SEED INTO MOST SOIL, THE SEEDED AREA SHOULD BE MULCHED TO FACILITATE GERMINATION. MULCH IN THE FORM OF STRAW SHOULD BE APPLIED AT A RATE OF 70 TO 90 POUNDS PER 1,000 SF.



EROSION CONTROL NOTES

- ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED FOR THE DURATION OF THE PROJECT IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS (EPA, NHDES AND TOWN REGULATIONS). THE GENERAL NOTES AND DETAILS CONTAINED IN THIS PLAN SET, AS A GUIDE ONLY.
1. PERMETER CONTROLS SHALL BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS. INSTALLATION OF STRAWBALE BARRIERS AND SILTATION FENCES SHALL BE COMPLETED PRIOR TO THE START OF SITE WORK IN ANY SPECIFIC AREA. PREPARED BARRIERS AND SILTATION FENCES SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
 2. STRAWBALE BARRIERS AND SILTATION FENCES SHALL BE KEPT CLEAN DURING CONSTRUCTION AND REMOVED WHEN ALL WHEELY BASINS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES.
 3. EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEREVER POSSIBLE.
 4. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED. ALL ROADWAYS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE. CUT AND FILL SLOPES SHALL BE LOADED & SEEDING WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.
 5. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 a. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED
 b. A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED
 c. A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED
 d. OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED
 THE LIMIT: ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.
 6. ALL DISTURBED AREAS SHALL HAVE A MINIMUM OF 4" OF LOAM INSTALLED WITH NOT LESS THAN 1.1 POUNDS OF SEED MIX PER 1,000 SQ. FT. SEE SEEDING SPECIFICATIONS ON THIS SHEET.
 7. LIME AND FERTILIZER SHALL BE INCORPORATED INTO THE SOIL PRIOR TO OR AT THE TIME OF AT THE TIME OF SEEDING. A MINIMUM OF 2 TONS PER ACRE OF AGRICULTURAL LIMESTONE AND 500 LBS. PER ACRE OF 10-20-20 FERTILIZER SHALL BE APPLIED. SEEDING PRACTICES SHALL COMPLY WITH LOCAL USDA SOIL CONSERVATION SERVICES RECOMMENDATIONS.
 8. STRAW MULCH OR JUTE MATTING SHALL BE USED IF/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.
 9. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS WHEN SEEDING AREAS ARE MULCHED. PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDING AREAS ARE MULCHED, AREAS SHALL BE LEFT EXPOSED DURING WINTER MONTHS FROM AUGUST 15 TO SEPTEMBER 15. NO DISTURBED TO CONTROL DUST DURING CONSTRUCTION. WATER DISTRIBUTION SHALL BE USED.
 10. TEMPORARY SEDIMENT TRAPS AND/OR BASINS ARE TO BE USED AS NECESSARY TO CONTAIN RUNOFF UNTIL SOILS ARE STABILIZED. SEE DETAIL.

WINTER CONSTRUCTION NOTES

1. ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL MEASURES. SEEDING SHALL BE COMPLETED BY OCTOBER 15TH. THE INSTALLATION OF EROSION CONTROL, BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
2. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
3. AFTER OCTOBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHOT ITEM 304.3.

SEEDING SPECIFICATIONS

MIXTURE	POUNDS/ACRE	POUNDS/1,000 SF
WARM SEASON GRASSES AND DROUGHTY CONDITIONS		
TALL FESCUE	20	0.45
CREeping RED FESCUE	2	0.45
REDTOP	2	0.05
TOTAL	42	0.95

1. SEEDING PREPARATION
 A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
 B. STONES LARGER THAN FOUR INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA. WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT FOUR INCHES TO A DEPTH OF ABOUT THREE INCHES TO PREPARE SEED BED AND MIX THE FERTILIZER INTO THE SOIL. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.
2. ESTABLISHING A STAND
 A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED:
 - AGRICULTURAL LIMESTONE: 2 TONS PER ACRE OR 0.09 LBS. PER SQ. FT.
 - NITROGEN (N): 50 LBS. PER ACRE OR 1.1 LBS. PER 1000 SQ. FT.
 - PHOSPHATE (P₂O₅): 100 LBS. PER ACRE OR 2.2 LBS. PER 1000 SQ. FT.
 - POTASH (K₂O): 100 LBS. PER ACRE OR 2.2 LBS. PER 1000 SQ. FT.
 (NOTE: THIS IS THE EQUIVALENT OF 500 LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS. PER ACRE OF 5-10-10)
 B. SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING, AND HYDROSEEDING. WHERE BROADCASTING IS USED, COVER SEED WITH 0.25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.
 C. REFER TO TABLE 7-35 OF "STORMWATER MANAGEMENT AND SEDIMENTATION CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS IN NEW HAMPSHIRE" FOR APPROPRIATE SEED MIXTURES AND TABLE 7-36 FOR RATES OF SEEDING. ALL LEGUMES (CROWFOOT, BIRDFOOT TREFOIL, AND FLATPEA), MUST BE INOCULATED WITH THEIR SPECIFIC INNOULANT.
 D. WHEN SEEDING AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDING AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 1.
3. MULCH
 A. STRAW, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
 B. MULCH WILL BE HELD IN PLACE USING TECHNIQUES FROM THE "BEST MANAGEMENT PRACTICE FORMULATING" AS SHOWN IN "STORMWATER MANAGEMENT AND SEDIMENTATION CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS IN NEW HAMPSHIRE".
 C. MAINTENANCE TO ESTABLISH A STAND
 A. PLANTED AREAS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.
 B. FERTILIZATION NEEDS SHOULD BE DETERMINED BY ON-SITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIALS TAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.
 C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.

CONSTRUCTION DETAILS

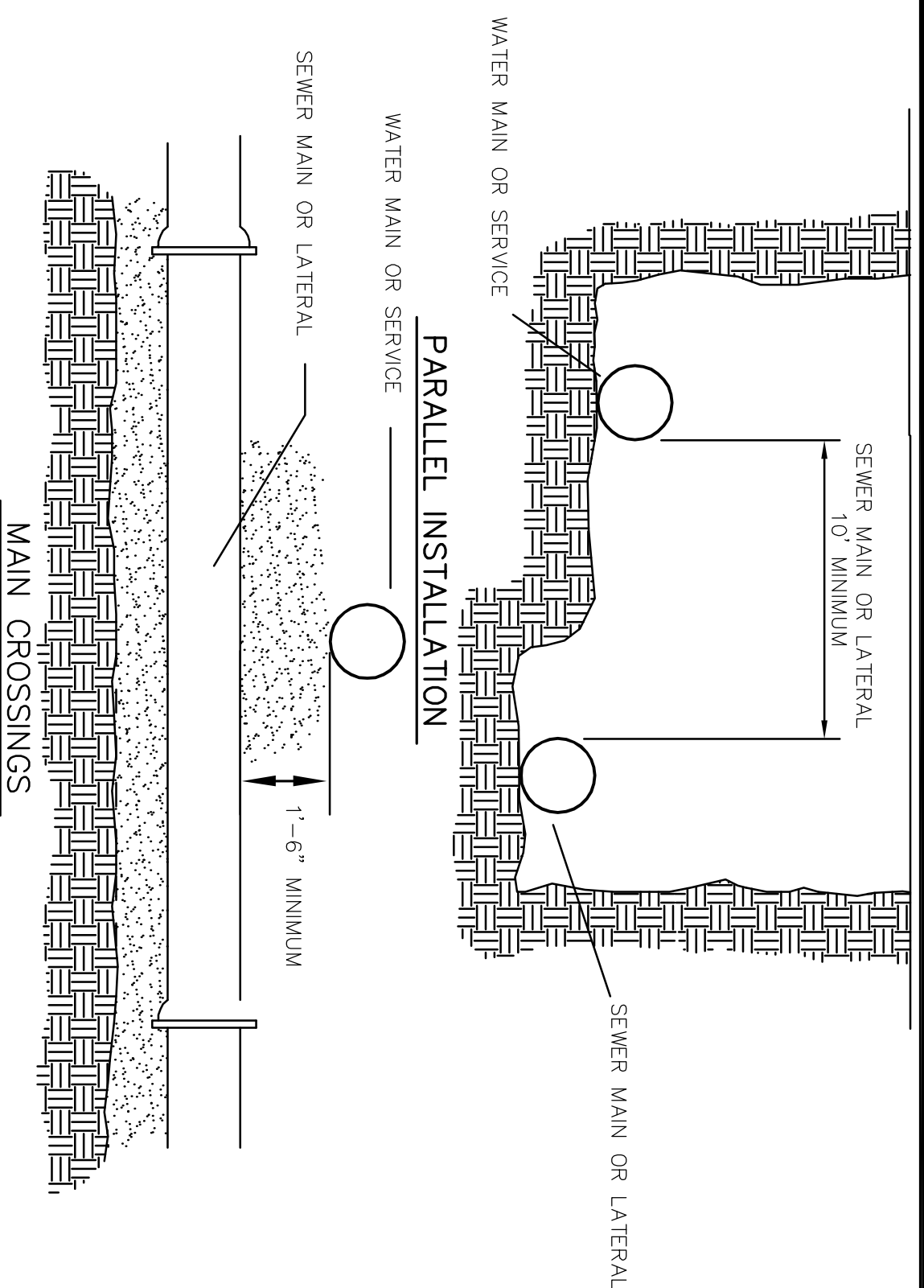
TAX MAP 33 LOT 18
Kearsarge Mountain Road
Warner, New Hampshire

REVISIONS

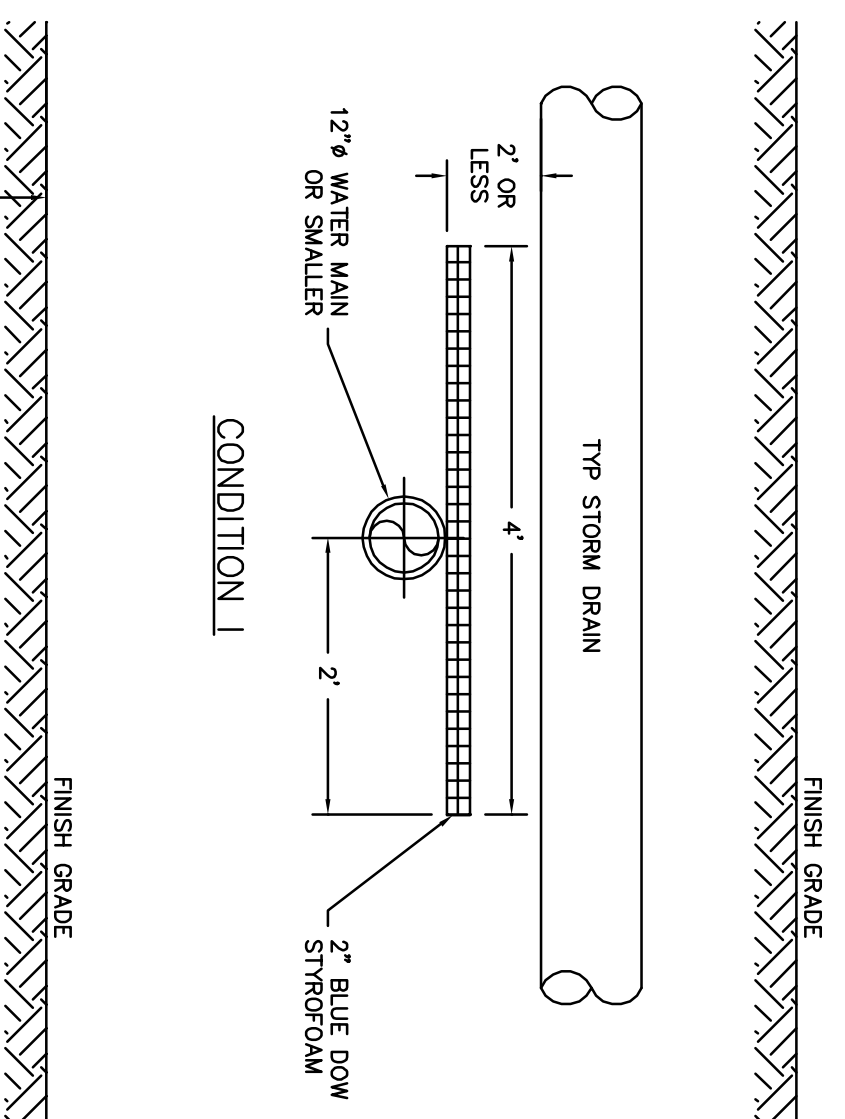
DATE	DESCRIPTION	OWN BY	CK BY

Scale: AS NOTED
DATE: JUNE 28, 2023
DR. BY: JR CK. BY: JR
JOB NO. _____
SHEET NO. 14 OF 16

Rokeh Consulting, LLC
89 KING ROAD, CHICHESTER, NH
PH: 603-387-8688



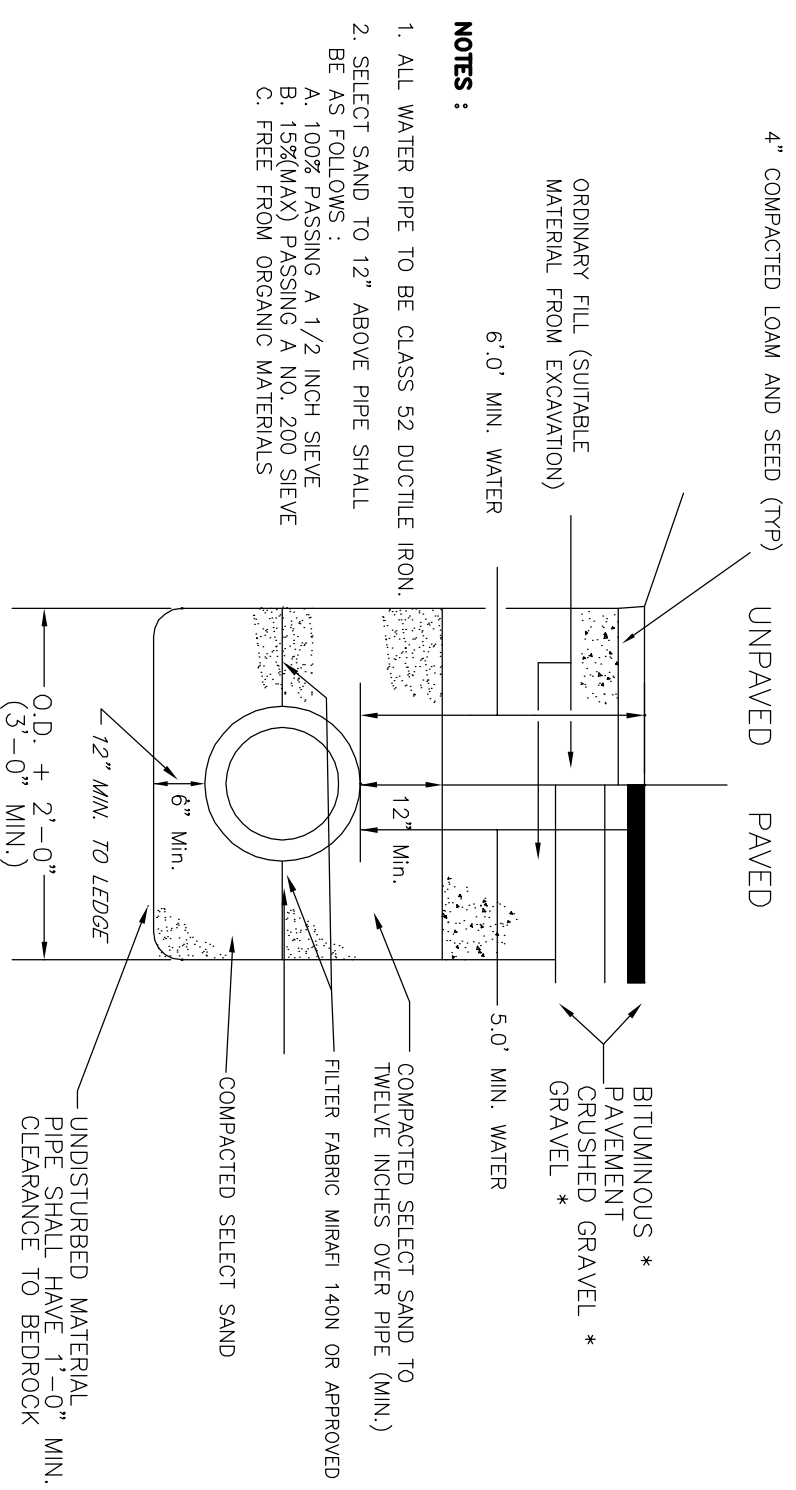
WATER MAIN/SEWER MAIN SEPARATION
NOT TO SCALE



- NOTES:**
1. LOCAL WATER WORKS RESERVES THE RIGHT TO MODIFY INSULATION REQUIREMENTS AS NECESSARY BASED ON FIELD CONDITIONS, ETC.
 2. THE LENGTH OR WIDTH OF INSULATION SHALL EXTEND 1 STORM DRAIN PIPE DIAMETER BEYOND THE EDGE OF STORM DRAIN CENTERLINE IN THE DIRECTION OF FLOW. THE MINIMUM INSULATION WIDTH OF THE STORM DRAIN PIPE, WHEN GREATER.
 3. ALL BUT JOINT SEAMS TO BE OVERLAPPED WITH A 1" PIECE OF INSULATION CENTERED OVER SEAM.

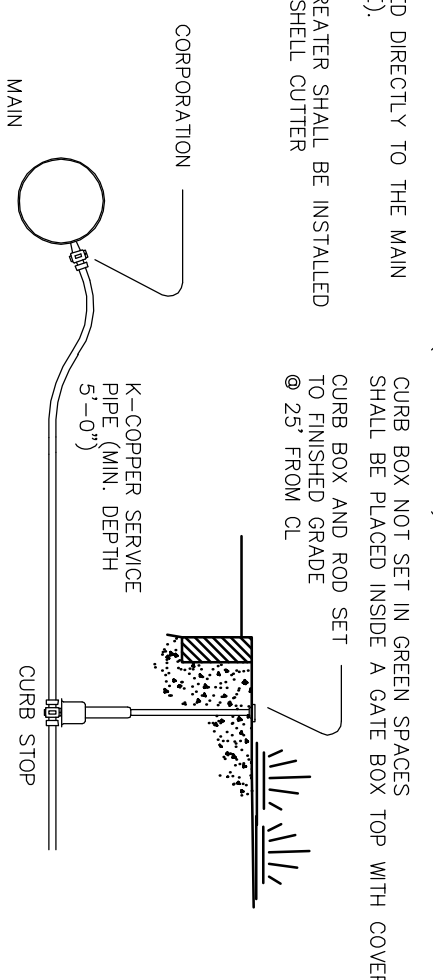
STORM DRAIN / WATER MAIN INTERSECTING RUNS – ELEV. VIEW (A-18)
(NOT TO SCALE)

Owner / Applicant:
Sydney Elizabeth Boyer
Kearsarge Mountain Road
Warner, NH 03278



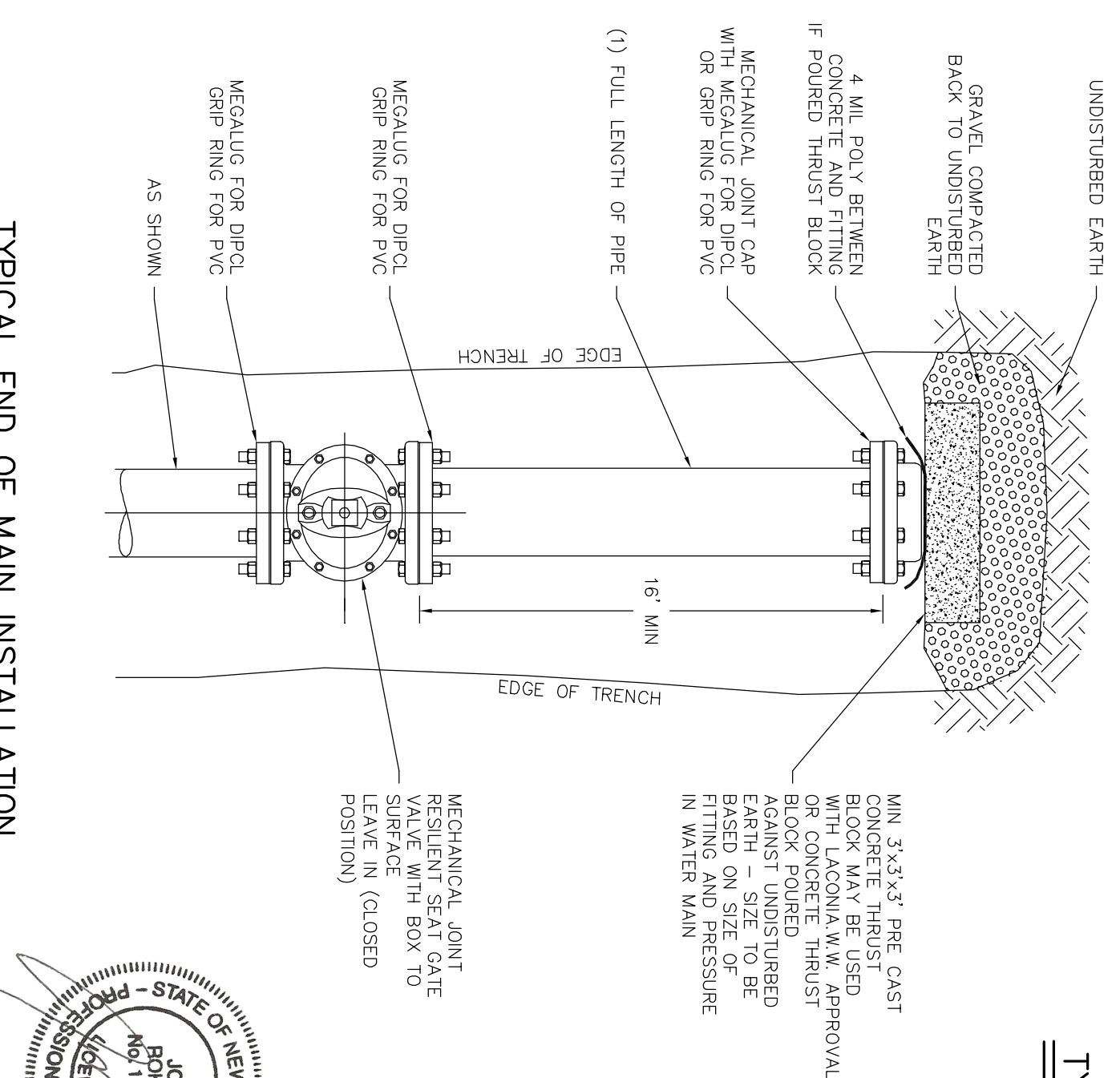
- NOTES:**
1. ALL WATER PIPE TO BE CLASS 52 DUCTILE IRON.
 2. SELECT SAND TO 12" ABOVE PIPE SHALL BE AS FOLLOWS:
A. 100% PASSING A 1/2" INCH SIEVE
B. 15% (MAX) PASSING A NO. 200 SIEVE
C. FREE FROM ORGANIC MATERIALS

TYPICAL WATER TRENCH
(NOT TO SCALE)

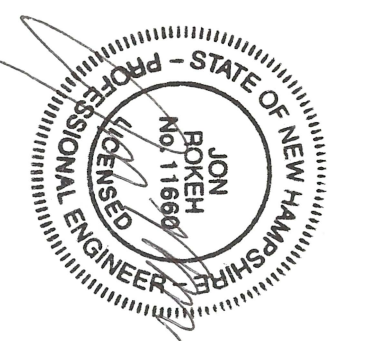


CORROSIONS SHALL BE TAPPED DIRECTLY TO THE MAIN IN SIZES UP TO 1" Ø (INCLUSIVE).
CORROSIONS 1-1/2" Ø AND GREATER SHALL BE INSTALLED USING A TAPPING SADDLE AND SHELL CUTTER

TYPICAL THRUST BLOCK DETAILS
(NOT TO SCALE)



TYPICAL END OF MAIN INSTALLATION



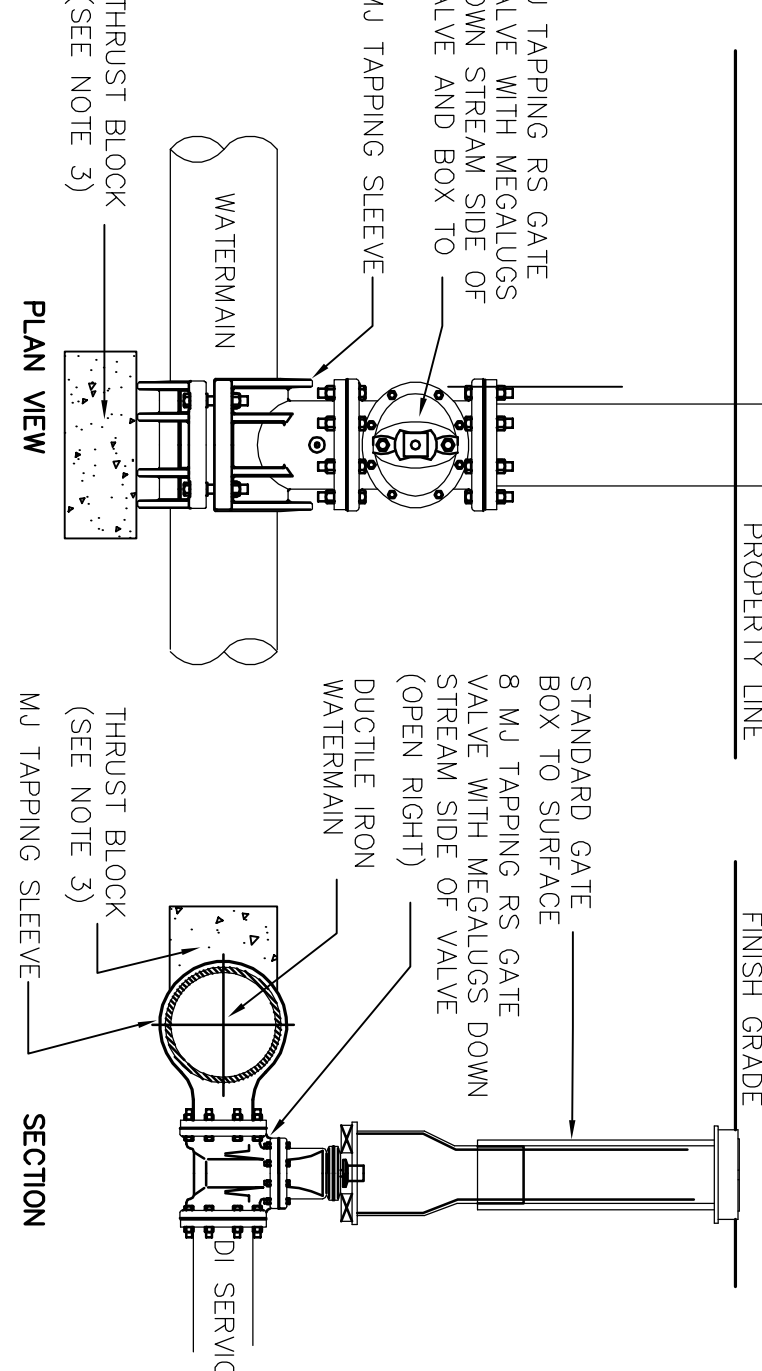
MINIMUM THRUST BLOCK BEARING AREA	REQD. AGAINST UNDISTURBED MATERIAL (S.F.)
12"	15
14"	18
16"	22
18"	26
20"	30
22"	34
24"	38
26"	42
28"	46
30"	50
32"	54
34"	58
36"	62
38"	66
40"	70
42"	74
44"	78
46"	82
48"	86
50"	90

TYPICAL THRUST BLOCK DETAILS
(NOT TO SCALE)

REFERENCE: "STANDARDS OF DESIGN AND CONSTRUCTION FOR SEWERAGE AND WASTE WATER TREATMENT FACILITIES", DEPT. OF ENVIRONMENTAL SERVICES.

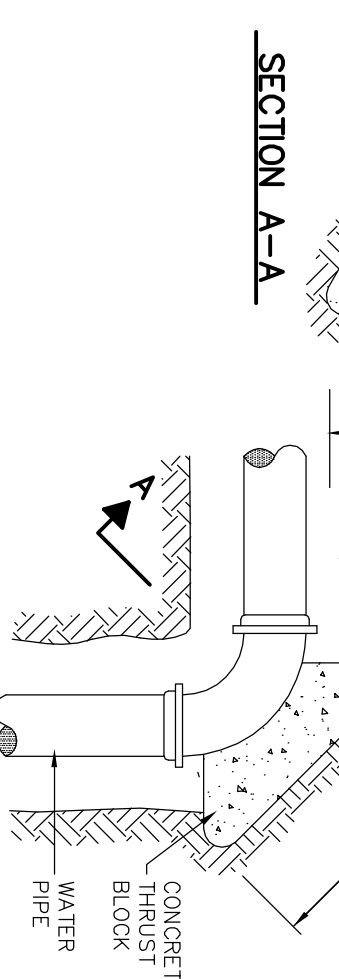
GENERAL NOTES

1. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE CITY OF LACONIA REGULATIONS, AND ALL ROAD AND DRAINAGE STRUCTURES SHALL MEET NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION (NHDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1990.
2. BACKFILL OF TRENCHES SHALL BE IN 6" LIFTS, COMPACTED TO 95% MAX. DRY DENSITY UNDER ALL PAVED AND SHOULDER AREAS AND 92% MAX. DRY DENSITY UNDER OTHER ALL AREAS IN ACCORDANCE WITH NH DOT - STANDARD SPECIFICATIONS - SECTION 304.
3. THE CONTRACTOR SHALL BE AWARE OF HIS RESPONSIBILITY TO CONTACT "BIG SAFE" AT 111 SO. BEDFORD STREET, BURLINGTON, MA (1-800-225-4977) AT LEAST 72 WORKING HOURS PRIOR TO THE START OF ANY EXCAVATION.
4. ALL WORK ADJACENT TO A STREET SHALL BE PERFORMED IN ACCORDANCE WITH THE STREET OPENING REQUIREMENTS OF THE CITY OF LACONIA.
5. ALL CURBETS, DRAINAGE STRUCTURES, WATER LINE, SEWER, AND ROAD CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE CITY OF LACONIA. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND COORDINATING INSPECTION BY THE TOWN ENGINEER.
6. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 4" TOPSOIL AND SEED OVER ALL DISTURBED UNPAVED AREAS UNLESS OTHERWISE SPECIFIED.



- NOTE:**
1. ALL MATERIAL AND INSTALLATION PROCEDURES WILL CONFORM TO D.P.W. TECHNICAL SPECIFICATIONS.
 2. ALL PIPE SHOULD HAVE A MINIMUM DEPTHS OF 5' FROM TOP OF PIPE TO FINISH GRADE.
 3. MIN 2'-2"x4" PRECAST CONCRETE THRUST BLOCK MAY BE USED WITH D.P.W. APPROVAL OR CONCRETE THRUST BLOCK POURED AGAINST UNDISTURBED EARTH - SIZE TO BE BASED ON SIZE OF FITTING AND PRESSURE IN WATERMAIN.

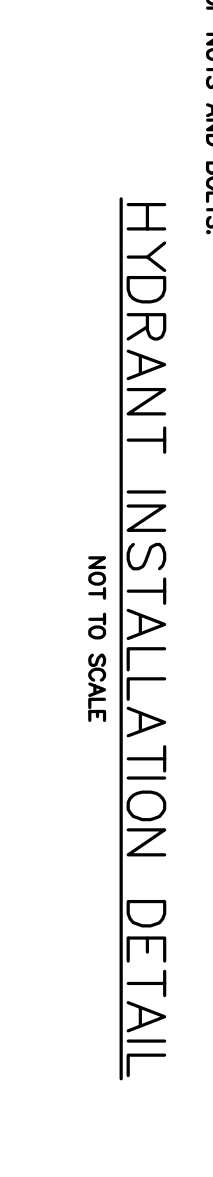
WET TAP TEE INSTALLATION
(NOT TO SCALE)



PLAN

NOTE:
INSTALL THRUST BLOCKS AT EVERY CHANGE IN DIRECTION FOR WATER MAINS AND AT THE HYDRANTS. STONE BACKING MAY BE SUBSTITUTED FOR CONCRETE THRUST BLOCKS PROVIDED THE AREA OF EQUAL SIZE AND BEAR ON UNDISTURBED EARTH.

HYDRANT INSTALLATION DETAIL
NOT TO SCALE



WATER SYSTEM CONSTRUCTION DETAILS

TAX MAP 33 LOT 18
Kearsarge Mountain Road
Warner, New Hampshire

REVISIONS

DATE	DESCRIPTION	DWN BY	CK BY

Rokeh Consulting, LLC
89 KING ROAD, CHICHESTER, NH
PH: 603-387-8688

SCALE: AS NOTED
DATE: JUNE 28, 2023
DR. BY: JR CK. BY: JR
JOB NO. _____
SHEET NO. 15 OF 16

