

SITE DEVELOPMENT PLANS

BARRINGTON STORAGE-OFFICE

ROUTE 125
BARRINGTON, NEW HAMPSHIRE

LIST OF PLANS

- | | |
|--|--|
| T-1 - TITLE SHEET | SP-5 - CONSTRUCTION DETAILS |
| T-2 - NEIGHBORHOOD PLAN (1"=200') | SP-6 - CONSTRUCTION DETAILS |
| EX-1 - EXISTING CONDITIONS PLAN (1"=60') | SP-7 - CONSTRUCTION DETAILS |
| SSS-1 - SITE SPECIFIC SOILS PLAN | SP-8 - SEWER DETAILS |
| SSS-2 - SITE SPECIFIC TEST PITS | SP-9 - SEWER DETAILS |
| BLA-1 - BOUNDARY LINE ADJUSTMENT PLAN (1"=60') | SS-1 - INDIVIDUAL SEWAGE DISPOSAL SYSTEM PLAN (LOT 54-7-1) |
| NHDES-1 - NHDES SUBDIVISION PLAN (1"=20') | SS-2 - INDIVIDUAL SEWAGE DISPOSAL SYSTEM PLAN (LOT 54-7-2) |
| SP-1 - GENERAL SITE PLAN (1"=60') | C-1 - PLAN AND PROFILE PLAN (STA 0+00 TO STA 5+30) |
| SP-2 - SITE DEVELOPMENT PLAN (1"=30') | C-2 - PLAN AND PROFILE PLAN (STA 5+30 TO END) |
| SP-2A - SITE DEVELOPMENT PLAN (1"=30') | |
| SP-3 - UTILITY PLAN (1"=30') | |
| SP-3A - UTILITY PLAN (1"=30') | |
| SP-4 - GRADING AND DRAINAGE PLAN (1"=30') | |
| SP-4A - GRADING AND DRAINAGE PLAN (1"=30') | |

PREPARED FOR:
MILLS FALLS REALTY, LLC.
P.O. BOX 627
OSS�PEE, N.H.

OWNER:
MILLS FALLS REALTY, LLC.
P.O. BOX 627
OSS�PEE, N.H.

PREPARED BY
TRITECH
ENGINEERING CORPORATION

LAND USE OFFICE
NOV 12 2019
RECEIVED

FOR TOWN APPROVAL PURPOSES:

THE SITE REVIEW REGULATIONS OF THE TOWN OF BARRINGTON ARE A PART OF THIS PLAN. AND APPROVAL OF THIS PLAN IS CONTINGENT UPON COMPLETION OF ALL REQUIREMENTS OF SAID SITE REVIEW REGULATIONS. EXCEPTING ONLY MODIFICATIONS MADE IN WRITING BY THE BOARD AND ATTACHED HERETO.

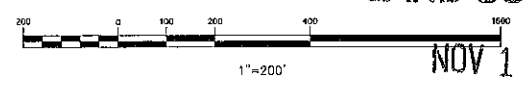
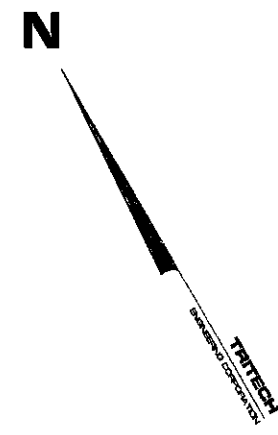
TRITECH
ENGINEERING CORPORATION

766 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03800
TELEPHONE 603 742 8107
FAX 603 742 8690

REVISIONS
DATE: DESCRIPTION:

TITLE SHEET
**BARRINGTON
STORAGE-OFFICE**
ROUTE 125
BARRINGTON, NEW HAMPSHIRE
NOVEMBER 11, 2019 JOB No. 19107

SHEET No.
T-1



LAND USE OFFICE

NOV 12 2019

RECEIVED

TRITECH
ENGINEERING CORPORATION

755 CENTRAL AVENUE
COVER NEW HAMPSHIRE 03850
TELEPHONE 603 742 9707
FAX 603 742 9500

REVISIONS DATE:	DESCRIPTION:

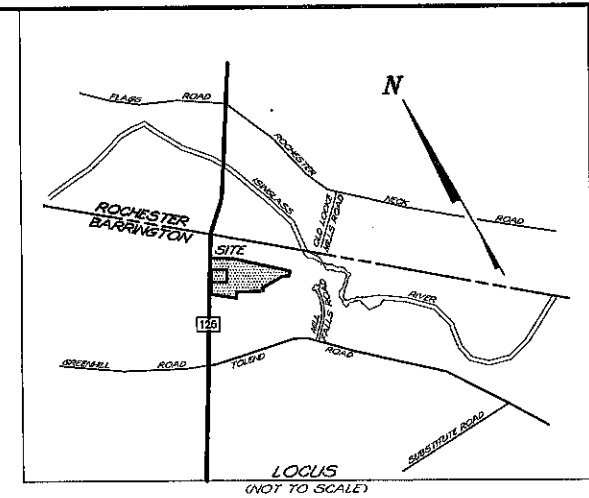
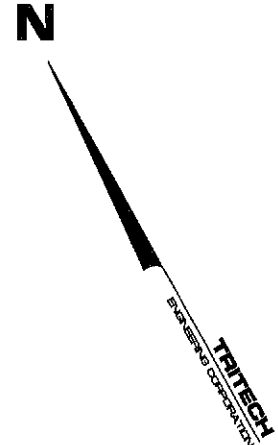
NEIGHBORHOOD PLAN
**BARRINGTON
STORAGE-OFFICE**
ROUTE #125
BARRINGTON, NEW HAMPSHIRE
STRAFFORD COUNTY
NOVEMBER 11, 2019 JOB No. 19107
SCALE: 1" = 200'

SHEET No.

T-2

NOTES

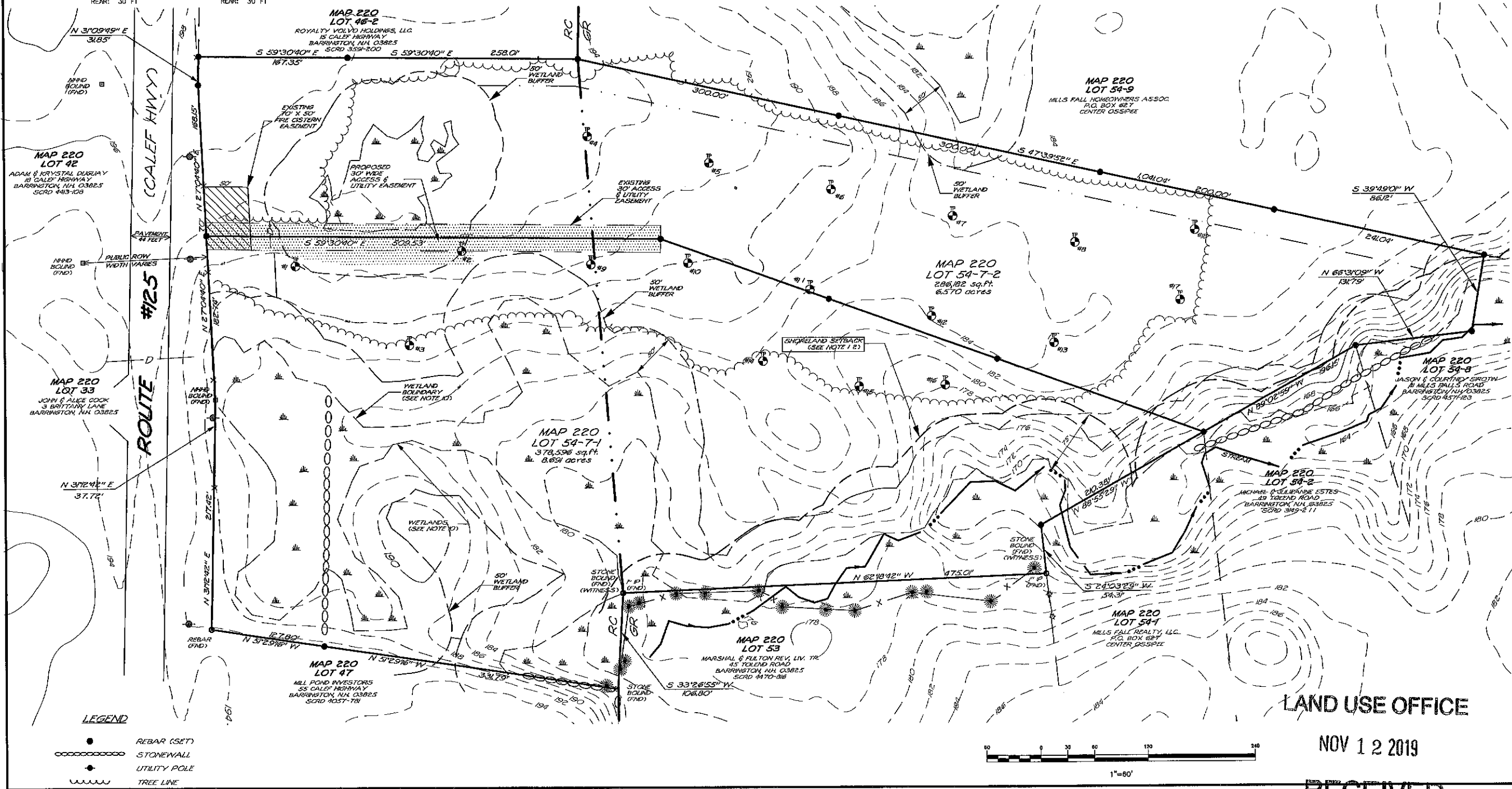
- 1.) INTENT: TO SHOW THE EXISTING CONDITIONS OF BARRINGTON TAX MAP 220 LOT 54-7-1 & LOT 54-7-2.
- 2.) CURRENT OWNER OF RECORD: MILLS FALLS REALTY, LLC
P.O. BOX 627
CENTER OSSPEE, N.H.
- 3.) TOTAL LOT AREA: MAP 220 LOT 54-7-1 378,596 SQ.FT. - 8.691 ACRES MAP 220 LOT 54-7-2 286,182 SQ.FT. - 6.570 ACRES
- 4.) TAX MAP 220 LOTS 54-7-1 & 54-7-2
- 5.) PROJECT DEED REFERENCE: BOOK 2821 PAGE 327
- 6.) PROJECT PLAN REFERENCE: BOUNDARY LINE ADJUSTMENT AND SUBDIVISION PLAN
MILLS FALLS REALTY, LLC, & DOROTHY A. PURVIS
REVOCABLE LIVING TRUST
ROUTE 125 & MILL FALLS ROAD
BARRINGTON, NEW HAMPSHIRE
TRITECH ENGINEERING CORPORATION
MAY 19, 2004 SCRD 77-22
- 7.) BASIS OF BEARING: BEARING SYSTEM BASED ON GPS FIELD OBSERVATIONS ON MARCH 28, 2019 USING TOPCON HIPER SR RECEIVERS AND OPUS CORRECTED ON APRIL 1, 2019. DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATES SPC (2800 NH), (VERTICAL DATUM: NAVD 88).
- 8.) ZONING: REGIONAL COMMERCIAL - RC GENERAL RESIDENTIAL - GR
MIN. LOT SIZE: 40,000 SQ.FT. MIN. LOT SIZE: 80,000 SQ.FT.
MIN. FRONTAGE: 200 FT. MIN. FRONTAGE: 200 FT.
MIN. SETBACKS: MIN. SETBACKS:
FRONT: 75 FT FRONT: 40 FT
SIDE: 30 FT SIDE: 30 FT
REAR: 30 FT REAR: 30 FT
- 9.) THE RAW UNADJUSTED CLOSURE OF OUR RANDOM POINT TRAVERSE WAS 1 PART IN 22,000, AND WAS ACCOMPLISHED USING A SOKKIA SET3100 TOTAL STATION, DURING THE MONTH OF MAY, 2002.
- 10.) DURING 2019, HIGHLAND SOILS (MICHAEL MARIANO, STATE OF NEW HAMPSHIRE CERTIFIED SOIL SCIENTIST #76) CONDUCTED AN ON-SITE WETLANDS DELINEATION OF THE SUBJECT PARCEL. WETLANDS WERE IDENTIFIED BASED ON THE CITY OF DOVER ZONING ORDINANCE (170-27.1) AND ON STATE & FEDERAL CRITERIA OUTLINED IN THE "CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL" (DEPT. OF THE ARMY, 1987). ON THIS SITE, WETLANDS BASED ON LOCAL CRITERIA SHARE THE SAME BOUNDARIES WITH THOSE BASED ON STATE AND FEDERAL CRITERIA.
- 11.) THE SUBJECT PARCEL IS NOT LOCATED WITHIN A FEDERALLY DESIGNATED SPECIAL FLOOD HAZARD ZONE (FLOOD HAZARD ZONE A - PANEL 0305E, MAP No. 3301700305E, DATE: 9-30-2015).
- 12.) SEE SHORELAND SETBACK OVERLAY ZONE, (BARRINGTON ZONING ORDINANCE ARTICLE 4, SECTION 406.00)
- 13.) NHDES WETLANDS AND NON-SITE SPECIFIC PERMIT 2004-01983, EXPIRATION DATE: 09/26/2009.
- 14.) NHDES SUBDIVISION APPROVAL NO.: 2004005422 (TAX MAP 12 LOT 132), DATED 09/20/2004 & NHDES SUBDIVISION APPROVAL NO.: 2004005423 (TAX MAP 12 LOT 97D-15), DATED 09/20/2004.
- 15.) NHDOT DRIVEWAY PERMIT NO: 06-027-426, DATED SEPTEMBER 22, 2004.



TRITECH
ENGINEERING CORPORATION

785 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03830
TELEPHONE 603 742 8107
FAX 603 742 8930

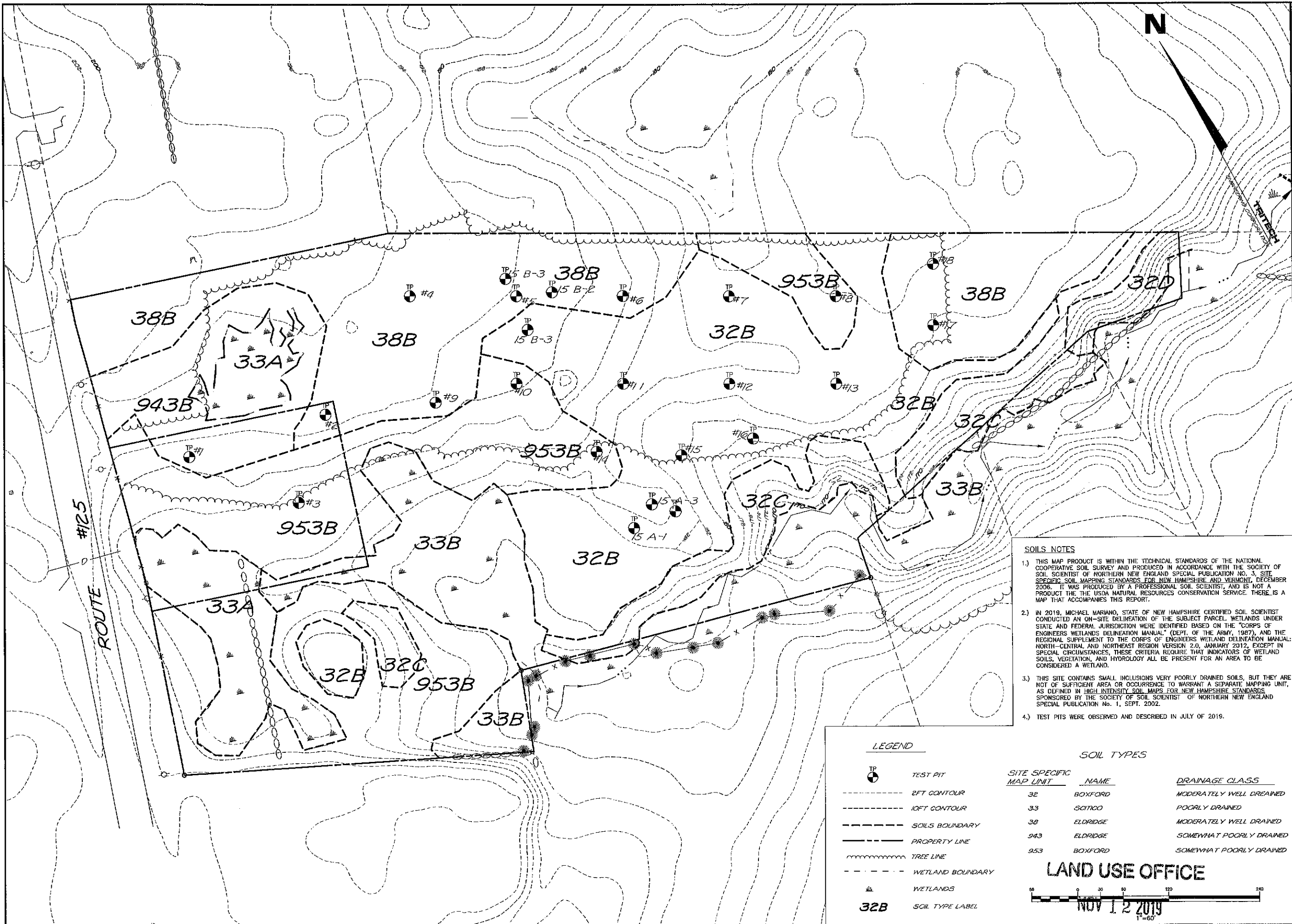
REVISIONS	DESCRIPTION:
DATE:	



EXISTING CONDITIONS PLAN
MILL FALLS REALTY, LLC.
ROUTE #125
BARRINGTON, NEW HAMPSHIRE
NOVEMBER 11, 2019 JOB No. 19107
SCALE: 1" = 60'

SHEET NO. **EX-1**

LAND USE OFFICE
NOV 12 2019
RECEIVED



TRITECH
ENGINEERING CORPORATION

755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
FAX 603 742 8690

REVISIONS	DATE	DESCRIPTION

SOILS NOTES

- 1.) THIS MAP PRODUCT IS WITHIN THE TECHNICAL STANDARDS OF THE NATIONAL COOPERATIVE SOIL SURVEY AND PRODUCED IN ACCORDANCE WITH THE SOCIETY OF SOIL SCIENTIST OF NORTHERN NEW ENGLAND SPECIAL PUBLICATION NO. 3, SITE SPECIFIC SOIL MAPPING STANDARDS FOR NEW HAMPSHIRE AND VERMONT, DECEMBER 2008. IT WAS PRODUCED BY A PROFESSIONAL SOIL SCIENTIST, AND IS NOT A PRODUCT OF THE USDA NATURAL RESOURCES CONSERVATION SERVICE. THERE IS A MAP THAT ACCOMPANIES THIS REPORT.
- 2.) IN 2019, MICHAEL MARIANO, STATE OF NEW HAMPSHIRE CERTIFIED SOIL SCIENTIST CONDUCTED AN ON-SITE DELINEATION OF THE SUBJECT PARCEL WETLANDS UNDER STATE AND FEDERAL JURISDICTION WERE IDENTIFIED BASED ON THE "CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL" (DEPT. OF THE ARMY, 1987), AND THE REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL: NORTH-CENTRAL AND NORTHEAST REGION VERSION 2.0, JANUARY 2012, EXCEPT IN SPECIAL CIRCUMSTANCES. THESE CRITERIA REQUIRE THAT INDICATORS OF WETLAND SOILS, VEGETATION, AND HYDROLOGY ALL BE PRESENT FOR AN AREA TO BE CONSIDERED A WETLAND.
- 3.) THIS SITE CONTAINS SMALL INCLUSIONS VERY POORLY DRAINED SOILS, BUT THEY ARE NOT OF SUFFICIENT AREA OR OCCURRENCE TO WARRANT A SEPARATE MAPPING UNIT, AS DEFINED IN HIGH INTENSITY SOIL MAPS FOR NEW HAMPSHIRE STANDARDS, SPONSORED BY THE SOCIETY OF SOIL SCIENTIST OF NORTHERN NEW ENGLAND SPECIAL PUBLICATION No. 1, SEPT. 2002.
- 4.) TEST PITS WERE OBSERVED AND DESCRIBED IN JULY OF 2019.

LEGEND

- TP TEST PIT
- 2FT CONTOUR
- 10FT CONTOUR
- SOILS BOUNDARY
- PROPERTY LINE
- TREE LINE
- WETLAND BOUNDARY
- WETLANDS
- 32B SOIL TYPE LABEL

SITE SPECIFIC MAP UNIT	NAME	DRAINAGE CLASS
32	BOXFORD	MODERATELY WELL DRAINED
33	SOITCO	POORLY DRAINED
38	ELDRIDGE	MODERATELY WELL DRAINED
943	ELDRIDGE	SOMEWHAT POORLY DRAINED
953	BOXFORD	SOMEWHAT POORLY DRAINED

LAND USE OFFICE

NOV 12 2019
1"=60'

SITE SPECIFIC SOILS PLAN

BARRINGTON STORAGE OFFICE

ROUTE #125
BARRINGTON, NEW HAMPSHIRE
NOVEMBER 11, 2019 JOB No. 19107
SCALE: 1" = 100'

SHEET No. **SSS-1**

RECEIVED

TEST PIT 1	TEST PIT 2	TEST PIT 3	TEST PIT 4	TEST PIT 5	TEST PIT 6	TEST PIT 7	TEST PIT 8
00 - 07' DARK BROWN (10YR4/3) FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 04' DARK BROWN (10YR3/4) FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 08' DARK BROWN (10YR4/3) FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 04' DARK BROWN (10YR3/4) FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 05' DARK BROWN (10YR3/4) FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 04' DARK BROWN (10YR3/4) FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 05' DARK BROWN (10YR4/3) SILT LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 03' DARK BROWN (10YR4/3) SILT LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.
07 - 14' DARK YELLOWISH BROWN (10YR4/6) SANDY LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	04 - 18' YELLOWISH BROWN (10YR5/6) FINE SANDY LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	08 - 13' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	04 - 10' STRONG BROWN (7.5YR5/8) SANDY LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	05 - 20' STRONG BROWN (7.5YR5/8) SANDY LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	04 - 10' STRONG BROWN (7.5YR5/8) SANDY LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	05 - 18' YELLOWISH BROWN (10YR5/6) SILT LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	03 - 10' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; MASSIVE STRUCTURE; MOIST, FRAGILE.
14 - 30' OLIVE GRAY (2.5Y5/2) SILT LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; MODERATE MEDIUM BLOCKY STRUCTURE; MOIST, FIRM.	18 - 34' YELLOWISH BROWN (10YR5/6) SANDY LOAM; COMMON REDOX CONCENTRATIONS IN 7.5YR5/8 AND 2.5YR4/6, AND FEW DEPLETIONS IN 10YR6/1; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FIRM.	13 - 29' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; COMMON REDOX FEATURES IN 10YR6/1 AND 7.5YR5/8; MODERATE MEDIUM BLOCKY STRUCTURE; MOIST, FIRM.	10 - 20' BROWN (10YR4/4) SANDY LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	20 - 24' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; FEW REDOX FEATURES IN 10YR6/1 AND 7.5YR5/8; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	10 - 20' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; FEW REDOX FEATURES IN 10YR6/1 AND 7.5YR5/8; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	18 - 28' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; MANY REDOX FEATURES IN 10YR6/1 AND 7.5YR5/8; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FIRM.	10 - 15' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; FEW REDOX FEATURES IN 10YR6/1 AND 7.5YR5/8; MODERATE MEDIUM BLOCKY STRUCTURE; MOIST, FIRM.
30 - 54' OLIVE GRAY (5Y5/3) SILTY CLAY LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, VERY FIRM.	34 - 48' YELLOWISH BROWN (10YR5/6) LOAMY FINE SAND WITH REDOX FEATURES AS IN ABOVE HORIZON; MASSIVE STRUCTURE; MOIST, FRAGILE.	28 - 54' OLIVE GRAY (5Y5/2) SILTY CLAY LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, VERY FIRM.	20 - 27' LIGHT OLIVE BROWN (2.5Y5/4) SANDY LOAM; MANY REDOX DEPLETIONS IN 10YR6/1 AND CONCENTRATIONS IN 7.5YR5/8; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	24 - 48' OLIVE GRAY (5Y5/2) SILTY CLAY LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, VERY FIRM.	20 - 27' LIGHT OLIVE BROWN (2.5Y5/4) SANDY LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, FRAGILE.	26 - 48' OLIVE GRAY (5Y5/2) SILTY CLAY LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; MOIST, VERY FIRM.	15 - 30' OLIVE GRAY (5Y5/3) SILTY CLAY LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, VERY FIRM.
SERIES: ELDRIDGE ESTIMATED SEASONAL HIGH WATER TABLE: 14" OBSERVED WATER: 50" RESTRICTIVE LAYER: 30" SOIL HYDROLOGIC GROUP: C	SERIES: ELDRIDGE ESTIMATED SEASONAL HIGH WATER TABLE: 18" OBSERVED WATER: NONE RESTRICTIVE LAYER: 48" SOIL HYDROLOGIC GROUP: C	SERIES: BOXFORD ESTIMATED SEASONAL HIGH WATER TABLE: 13" OBSERVED WATER: NONE RESTRICTIVE LAYER: 29" SOIL HYDROLOGIC GROUP: C	SERIES: ELDRIDGE ESTIMATED SEASONAL HIGH WATER TABLE: 20" OBSERVED WATER: NONE RESTRICTIVE LAYER: 27" SOIL HYDROLOGIC GROUP: C	SERIES: ELDRIDGE ESTIMATED SEASONAL HIGH WATER TABLE: 20" OBSERVED WATER: NONE RESTRICTIVE LAYER: 27" SOIL HYDROLOGIC GROUP: C	SERIES: ELDRIDGE ESTIMATED SEASONAL HIGH WATER TABLE: 20" OBSERVED WATER: NONE RESTRICTIVE LAYER: 27" SOIL HYDROLOGIC GROUP: C	SERIES: BOXFORD ESTIMATED SEASONAL HIGH WATER TABLE: 19" OBSERVED WATER: NONE RESTRICTIVE LAYER: 26" SOIL HYDROLOGIC GROUP: C	SERIES: BOXFORD ESTIMATED SEASONAL HIGH WATER TABLE: 13" OBSERVED WATER: NONE RESTRICTIVE LAYER: 29" SOIL HYDROLOGIC GROUP: C
TEST PIT 9	TEST PIT 10	TEST PIT 11	TEST PIT 12	TEST PIT 13	TEST PIT 14	TEST PIT 15	TEST PIT 16
00 - 06' DARK BROWN (10YR4/3) FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 04' DARK BROWN (10YR3/4) FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 06' DARK BROWN (10YR3/4) VERY FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 04' DARK BROWN (10YR3/4) VERY FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 05' DARK BROWN (10YR3/4) FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 03' DARK BROWN (10YR3/4) FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 05' DARK BROWN (10YR3/4) SILT LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 06' DARK BROWN (10YR3/4) VERY FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.
06 - 16' STRONG BROWN (7.5YR5/8) SANDY LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	04 - 14' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	06 - 18' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; MASSIVE STRUCTURE; MOIST, FRAGILE.	04 - 18' YELLOWISH BROWN (10YR5/6) SILT LOAM; MASSIVE STRUCTURE; MOIST, FRAGILE.	05 - 10' STRONG BROWN (7.5YR5/8) FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	03 - 14' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; MASSIVE STRUCTURE; MOIST, FRAGILE.	05 - 18' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; MASSIVE STRUCTURE; MOIST, FRAGILE.	06 - 18' YELLOWISH BROWN (10YR5/6) SILT LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.
16 - 25' BROWN (10YR4/4) SANDY LOAM; WEAK MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	14 - 19' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; FEW REDOX FEATURES IN 10YR6/1 AND 7.5YR5/8; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	18 - 27' LIGHT OLIVE BROWN (2.5Y5/4) SAND; FEW REDOX DEPLETIONS IN 10YR6/1; MASSIVE STRUCTURE; MOIST, FRAGILE.	18 - 24' YELLOWISH BROWN (10YR5/6) SILT LOAM; FEW REDOX FEATURES IN 10YR6/1; MASSIVE STRUCTURE; MOIST, FRAGILE.	10 - 21' YELLOWISH BROWN (10YR5/4) FINE SANDY LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	14 - 19' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; COMMON REDOX FEATURES IN 10YR6/1; MASSIVE STRUCTURE; MOIST, FRAGILE.	18 - 23' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, VERY FIRM.	18 - 24' YELLOWISH BROWN (10YR5/6) SILT LOAM; FEW REDOX FEATURES IN 10YR6/1; MASSIVE STRUCTURE; MOIST, FRAGILE.
25 - 30' LIGHT OLIVE BROWN (2.5Y5/4) SANDY LOAM; FEW REDOX DEPLETIONS AND CONCENTRATIONS; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	19 - 48' OLIVE GRAY (5Y5/2) SILTY CLAY LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, VERY FIRM.	27 - 48' OLIVE GRAY (2.5Y5/2) SILTY CLAY LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, VERY FIRM.	24 - 60' OLIVE GRAY (5Y5/2) SILTY CLAY LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, VERY FIRM.	21 - 38' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; FEW REDOX FEATURES IN 10YR6/1 AND 7.5YR5/8; MASSIVE STRUCTURE; MOIST, FRAGILE.	19 - 60' OLIVE GRAY (5Y5/2) SILTY CLAY LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, VERY FIRM.	23 - 60' OLIVE GRAY (5Y5/3) SILTY CLAY LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, VERY FIRM.	24 - 48' OLIVE GRAY (5Y5/3) SILTY CLAY LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, VERY FIRM.
SERIES: ELDRIDGE ESTIMATED SEASONAL HIGH WATER TABLE: 26" OBSERVED WATER: NONE RESTRICTIVE LAYER: 30" SOIL HYDROLOGIC GROUP: C	SERIES: BOXFORD ESTIMATED SEASONAL HIGH WATER TABLE: 14" OBSERVED WATER: NONE RESTRICTIVE LAYER: 19" SOIL HYDROLOGIC GROUP: C	SERIES: BOXFORD ESTIMATED SEASONAL HIGH WATER TABLE: 16" OBSERVED WATER: NONE RESTRICTIVE LAYER: 27" SOIL HYDROLOGIC GROUP: C	SERIES: BOXFORD ESTIMATED SEASONAL HIGH WATER TABLE: 18" OBSERVED WATER: NONE RESTRICTIVE LAYER: 24" SOIL HYDROLOGIC GROUP: C	SERIES: BOXFORD ESTIMATED SEASONAL HIGH WATER TABLE: 21" OBSERVED WATER: NONE RESTRICTIVE LAYER: 38" SOIL HYDROLOGIC GROUP: C	SERIES: BOXFORD ESTIMATED SEASONAL HIGH WATER TABLE: 14" OBSERVED WATER: NONE RESTRICTIVE LAYER: 19" SOIL HYDROLOGIC GROUP: C	SERIES: BOXFORD ESTIMATED SEASONAL HIGH WATER TABLE: 18" OBSERVED WATER: NONE RESTRICTIVE LAYER: 24" SOIL HYDROLOGIC GROUP: C	SERIES: BOXFORD ESTIMATED SEASONAL HIGH WATER TABLE: 16" OBSERVED WATER: NONE RESTRICTIVE LAYER: 24" SOIL HYDROLOGIC GROUP: C
TEST PIT 17	TEST PIT 18	TEST PIT 19	NORTH SIDE OF GARAGE. ORIGINAL 'A' HORIZON REMOVED				
00 - 06' DARK BROWN (10YR4/3) FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 06' DARK BROWN (10YR4/3) FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRAGILE.	00 - 19' YELLOWISH BROWN (10YR5/6) GRAVELLY SAND FILL; SINGLE GRAIN; DRY, LOOSE.	19 - 29' LIGHT GRAY (10YR5/8) SAND; FEW BLACK CONCRETION; SINGLE GRAIN; MOIST, LOOSE.				
06 - 24' YELLOWISH BROWN (10YR5/6) FINE SANDY LOAM; WEAK MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	06 - 11' YELLOWISH BROWN (10YR5/6) FINE SANDY LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	29 - 40' YELLOWISH BROWN (10YR5/6) & STRONG BROWN (7.5YR5/8) SAND; MANY REDOX DEPLETIONS IN 10YR6/1; SINGLE GRAIN; MOIST, LOOSE.	SERIES: FILL OVER SANDY TILL ESTIMATED SEASONAL HIGH WATER TABLE: 19" OBSERVED WATER: NONE RESTRICTIVE LAYER: NONE TO 40" SOIL HYDROLOGIC GROUP: C				
24 - 28' BROWN (10YR4/5) FINE SANDY LOAM; WEAK MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	11 - 24' LIGHT OLIVE BROWN (2.5Y5/4) FINE SANDY LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	46 - 52' YELLOWISH BROWN (10YR5/6) LOAMY FINE SAND; FEW REDOX DEPLETIONS IN 10YR6/1; MASSIVE STRUCTURE; MOIST, FRAGILE.	52 - 60' OLIVE GRAY (2.5Y5/2) & YELLOWISH BROWN (10YR5/6) SILTY CLAY LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, VERY FIRM.				
28 - 34' LIGHT OLIVE BROWN (2.5Y5/4) SILT LOAM; FEW REDOX DEPLETIONS AND CONCENTRATIONS; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	24 - 45' YELLOWISH BROWN (10YR5/6) LOAMY SAND; WEAK MEDIUM GRANULAR STRUCTURE; MOIST, FRAGILE.	SERIES: ELDRIDGE, WELL DRAINED, DEEP PHASE ESTIMATED SEASONAL HIGH WATER TABLE: 45" OBSERVED WATER: NONE RESTRICTIVE LAYER: 52" SOIL HYDROLOGIC GROUP: C					
34 - 60' OLIVE GRAY (2.5Y5/2) SILTY CLAY LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, VERY FIRM.							
SERIES: ELDRIDGE ESTIMATED SEASONAL HIGH WATER TABLE: 26" OBSERVED WATER: NONE RESTRICTIVE LAYER: 34" SOIL HYDROLOGIC GROUP: C							

TRITECH
ENGINEERING CORPORATION

755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03801
TELEPHONE 603 748 6107
FAX 603 748 6860

REVISIONS	DATE	DESCRIPTION

SITE SPECIFIC SOILS, TEST PITS
BARRINGTON STORAGE OFFICE
ROUTE #125
BARRINGTON, NEW HAMPSHIRE
NOVEMBER 1, 2019
JOB No. 19107

SHEET No.

066-2

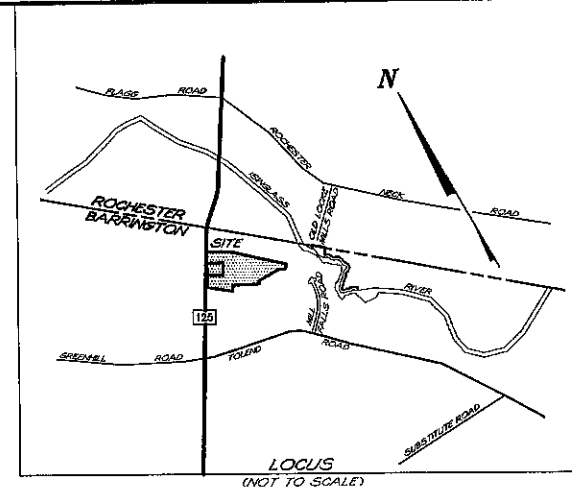
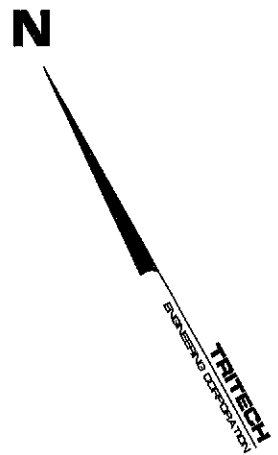
LAND USE OFFICE
NOV 12 2019

RECEIVED

NOTES

- INTENT TO ADJUST THE PROPERTY BOUNDARY LINES BETWEEN BARRINGTON TAX MAP 220 LOT 54-7-1 & LOT 54-7-2, BY TRANSFERRING PARCEL "A" (313,948 SQ.FT.) FROM LOT 54-7-1 TO LOT 54-7-2.
- CURRENT OWNER OF RECORD: MILLS FALLS REALTY, LLC
P.O. BOX 827
CENTER OSSISPEE, N.H.
- TOTAL LOT AREA:

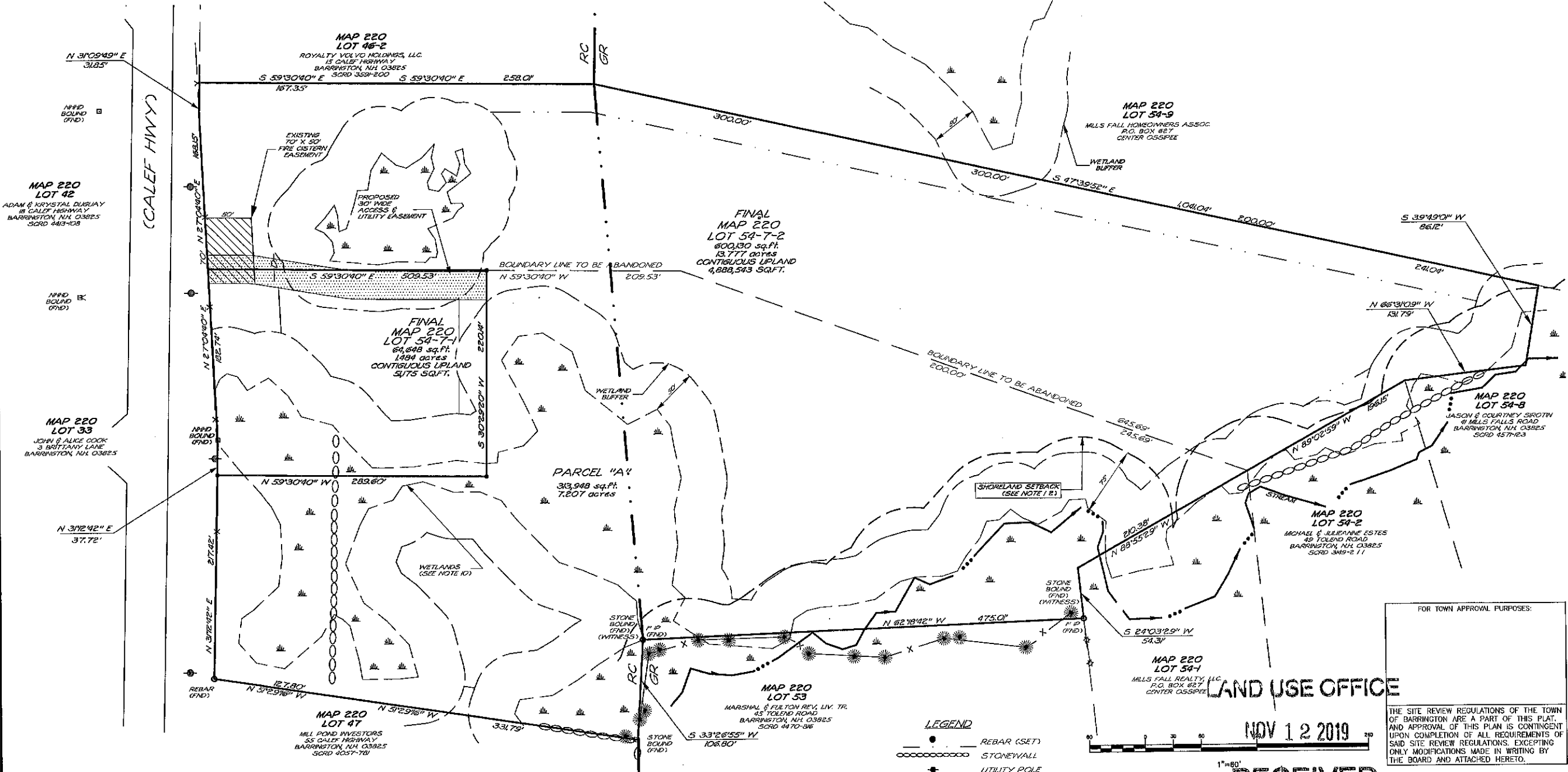
MAP 220 LOT 54-7-1	MAP 220 LOT 54-7-2
ORIGINAL: 378,596 SQ.FT. - 8.691 ACRES	286,182 SQ.FT. - 6.570 ACRES
PARCEL "A": 313,948 SQ.FT. - 7.207 ACRES	+ 313,948 SQ.FT. - 7.207 ACRES
FINAL: 64,648 SQ.FT. - 1.484 ACRES	600,130 SQ.FT. - 13.777 ACRES
- TAX MAP 220 LOTS 54-7-1 & 54-7-2
- PROJECT DEED REFERENCE: BOOK 2821 PAGE 327
- PROJECT PLAN REFERENCE: BOUNDARY LINE ADJUSTMENT AND SUBDIVISION PLAN AND SUBDIVISION PLAN MILLS FALLS REALTY, LLC & DOROTHY A. PURVIS REVOCABLE LIVING TRUST ROUTE 125 & MILL FALLS ROAD BARRINGTON, NEW HAMPSHIRE TRITECH ENGINEERING CORPORATION MAY 19, 2004 SCRD 77-22
- BASIS OF BEARING: BEARING SYSTEM BASED ON GPS FIELD OBSERVATIONS ON MARCH 28, 2019 USING TOPCON HIPER SR RECEIVERS AND OPUS CORRECTED ON APRIL 1, 2019. DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATES SPC (2800 NH), (VERTICAL DATUM: NAVD 83).
- ZONING: REGIONAL COMMERCIAL - RC
MIN. LOT SIZE: 40,000 SQ.FT.
MIN. FRONTAGE: 200 FT.
MIN. SETBACKS:
FRONT: 75 FT
SIDE: 30 FT
REAR: 30 FT
 GENERAL RESIDENTIAL - GR
MIN. LOT SIZE: 80,000 SQ.FT.
MIN. FRONTAGE: 200 FT.
MIN. SETBACKS:
FRONT: 40 FT
SIDE: 30 FT
REAR: 30 FT
- THE RAW UNADJUSTED CLOSURE OF OUR RANDOM POINT TRAVERSE WAS 1 PART IN 22,000, AND WAS ACCOMPLISHED USING A SOKKIA SET3100 TOTAL STATION, DURING THE MONTH OF MAY, 2002.
- DURING 2019, HIGHLAND SOILS (MICHAEL MARIANO, STATE OF NEW HAMPSHIRE CERTIFIED SOIL SCIENTIST #76) CONDUCTED AN ON-SITE WETLANDS DELINEATION OF THE SUBJECT PARCEL. WETLANDS WERE IDENTIFIED BASED ON THE CITY OF DOVER ZONING ORDINANCE (170-27.1) AND ON STATE & FEDERAL CRITERIA OUTLINED IN THE "CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL" (DEPT. OF THE ARMY, 1987). ON THIS SITE, WETLANDS BASED ON LOCAL CRITERIA SHARE THE SAME BOUNDARIES WITH THOSE BASED ON STATE AND FEDERAL CRITERIA.
- THE SUBJECT PARCEL IS NOT LOCATED WITHIN A FEDERALLY DESIGNATED SPECIAL FLOOD HAZARD ZONE (FLOOD HAZARD ZONE A - PANEL 0305E, MAP No. 3301700305E, DATE: 9-30-2015).
- SEE SHORELAND SETBACK OVERLAY ZONE, (BARRINGTON ZONING ORDINANCE ARTICLE 4, SECTION 406.00)
- NHDES WETLANDS AND NON-SITE SPECIFIC PERMIT 2004-01983, EXPIRATION DATE: 09/28/2009.
- SEE SUBDIVISION APPROVAL NO.: 2004005422 (TAX MAP 12 LOT 132), DATED 09/20/2004 & NHDES SUBDIVISION APPROVAL NO.: 2004005423 (TAX MAP 12 LOT 97D-15), DATED 09/20/2004.
- NHDDOT DRIVEWAY PERMIT NO: 06-027-426, DATED SEPTEMBER 22, 2004.



TRITECH
ENGINEERING CORPORATION

765 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 6107
FAX 603 742 9690

REVISIONS	DESCRIPTION:
DATE:	



- LEGEND
- REBAR (SET)
 - STONEWALL
 - ⊙ UTILITY POLE

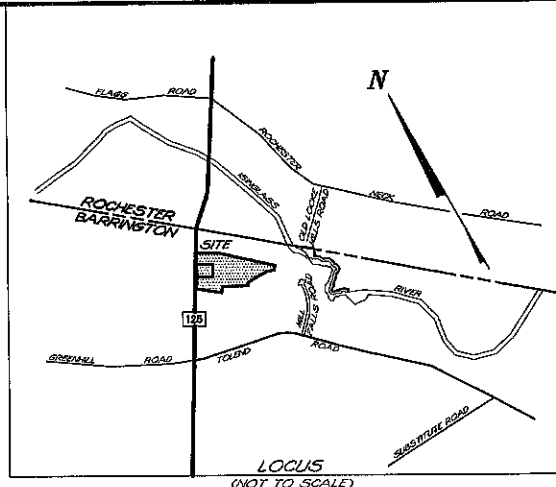
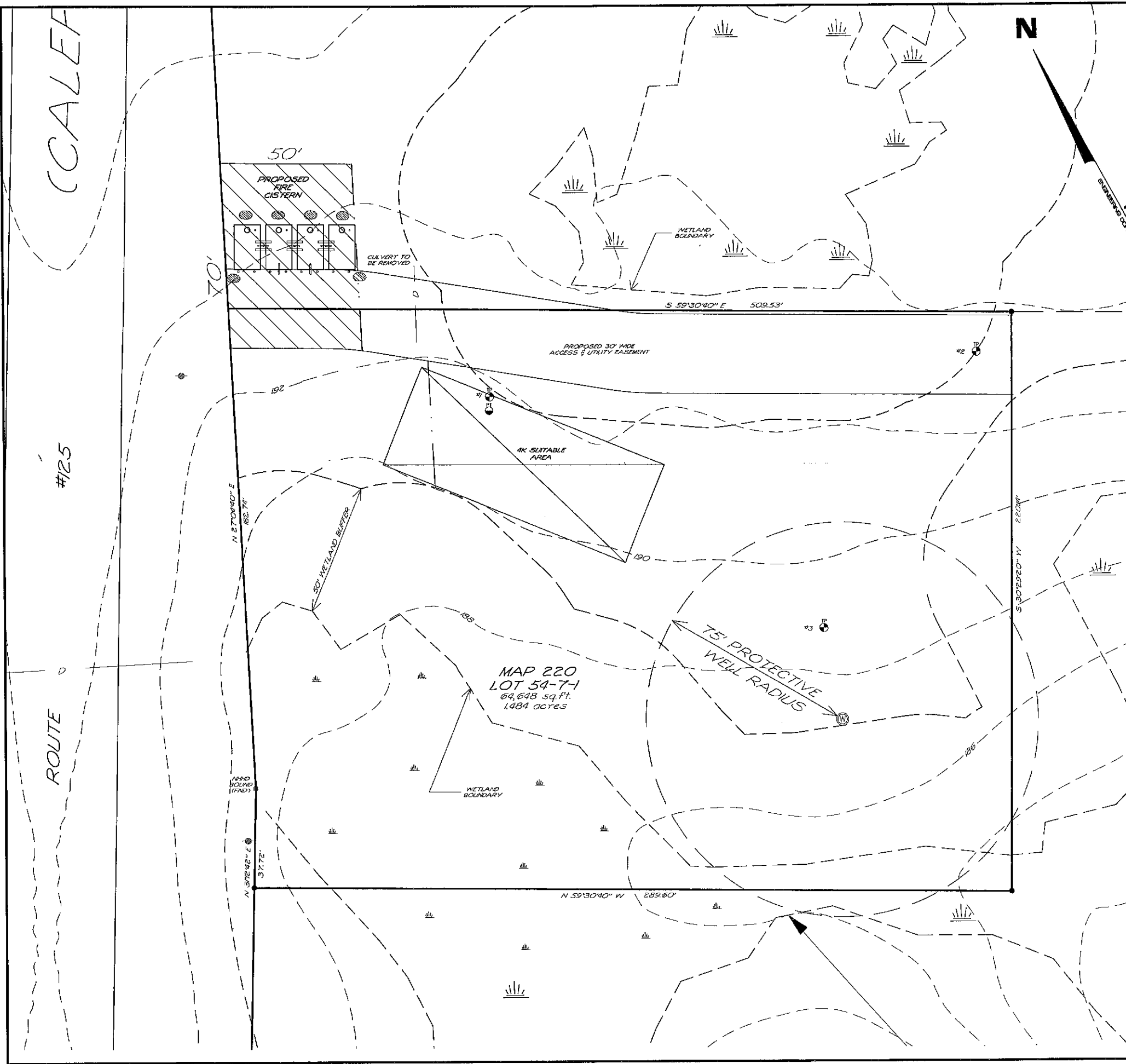
LAND USE OFFICE
NOV 12 2019

FOR TOWN APPROVAL PURPOSES:
THE SITE REVIEW REGULATIONS OF THE TOWN OF BARRINGTON ARE A PART OF THIS PLAN, AND APPROVAL OF THIS PLAN IS CONTINGENT UPON COMPLETION OF ALL REQUIREMENTS OF SAID SITE REVIEW REGULATIONS, EXCEPTING ONLY MODIFICATIONS MADE IN WRITING BY THE BOARD AND ATTACHED HERETO.

BOUNDARY LINE ADJUSTMENT PLAN
MILL FALLS REALTY, LLC.
ROUTE #125
BARRINGTON, NEW HAMPSHIRE
NOVEMBER 11, 2019 JOB No. 19107
SCALE: 1" = 60'

SHEET No. **BLA-1**

RECEIVED



NOTES

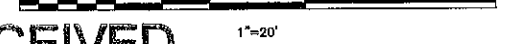
- 1.) INTENT TO SHOW THAT THE PROPOSED BARRINGTON TAX MAP 220 LOT 54-7-1 MEETS THE NHDES SUBDIVISION STANDARDS.
- 2.) CURRENT OWNER OF RECORD: MILLS FALLS REALTY, LLC
P.O. BOX 627
CENTER OSSISPEE, N.H.
- 3.) TOTAL LOT AREA: 64,648 SQ.FT. - 1.484 ACRES
- 4.) TAX MAP 220 LOTS 54-7-1.
- 5.) PROJECT DEED REFERENCE: BOOK 2821 PAGE 327
- 6.) PROJECT PLAN REFERENCE: BOUNDARY LINE ADJUSTMENT AND SUBDIVISION PLAN
MILLS FALLS REALTY, LLC. &
DOROTHY A. FURVIS
REVOCABLE LIVING TRUST
ROUTE 125 & MILL FALLS ROAD
BARRINGTON, NEW HAMPSHIRE
TRITECH ENGINEERING CORPORATION
MAY 19, 2004 SCRD 77-22
- 7.) BASIS OF BEARING: BEARING SYSTEM BASED ON OPS FIELD OBSERVATIONS ON MARCH 28, 2019 USING TOPCON HIPER SR RECEIVERS AND OPUS CORRECTED ON APRIL 1, 2019, DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATES SPC (2800 NH), (VERTICAL DATUM: NAVD 88).
- 8.) ZONING: REGIONAL COMMERCIAL - RC GENERAL RESIDENTIAL - GR
MIN. LOT SIZE: 40,000 SQ.FT. MIN. LOT SIZE: 80,000 SQ.FT.
MIN. FRONTAGE: 200 FT. MIN. FRONTAGE: 200 FT.
MIN. SETBACKS: MIN. SETBACKS:
FRONT: 75 FT FRONT: 40 FT
SIDE: 30 FT SIDE: 30 FT
REAR: 30 FT REAR: 30 FT
- 9.) THE RAW UNADJUSTED CLOSURE OF OUR RANDOM POINT TRAVERSE WAS 1 PART IN 22,000, AND WAS ACCOMPLISHED USING A SOKKIA SET3100 TOTAL STATION, DURING THE MONTH OF MAY, 2002.
- 10.) DURING 2019, HIGHLAND SOILS (MICHAEL MARIANO, STATE OF NEW HAMPSHIRE CERTIFIED SOIL SCIENTIST #76) CONDUCTED AN ON-SITE WETLANDS DELINEATION OF THE SUBJECT PARCEL. WETLANDS WERE IDENTIFIED BASED ON THE CITY OF DOVER ZONING ORDINANCE (170-27.1) AND ON STATE & FEDERAL CRITERIA OUTLINED IN THE "CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL" (DEPT. OF THE ARMY, 1987). ON THIS SITE, WETLANDS BASED ON LOCAL CRITERIA SHARE THE SAME BOUNDARIES WITH THOSE BASED ON STATE AND FEDERAL CRITERIA.
- 11.) THE SUBJECT PARCEL IS NOT LOCATED WITHIN A FEDERALLY DESIGNATED SPECIAL FLOOD HAZARD ZONE (FLOOD HAZARD ZONE A - PANEL 0305E, MAP No. 33017C0305E, DATE: 9-30-2015).
- 12.) SEE SHORELAND SETBACK OVERLAY ZONE, (BARRINGTON ZONING ORDINANCE ARTICLE 4, SECTION 406.00)
- 13.) NHDES WETLANDS AND NON-SITE SPECIFIC PERMIT 2004-01983, EXPIRATION DATE: 09/28/2009.
- 14.) NHDES SUBDIVISION APPROVAL NO.: 2004005422 (TAX MAP 12 LOT 132), DATED 09/20/2004 & NHDES SUBDIVISION APPROVAL NO.: 2004005423 (TAX MAP 12 LOT 970-15), DATED 09/20/2004.
- 15.) NHDOT DRIVEWAY PERMIT NO: 06-027-426, DATED SEPTEMBER 22, 2004.

- LEGEND**
- REBAR (SET)
 - STONEWALL
 - UTILITY POLE
 - - - - - CONTOUR
 - ⊙ PROPOSED WELL
 - ▭ WETLAND BOUNDARY
 - ▭ WETLAND SETBACK

LAND USE OFFICE

NOV 12 2019

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TRITECH
ENGINEERING CORPORATION

785 CENTRAL AVENUE
DOVER NEW HAMPSHIRE 03803
TELEPHONE 603 742 8072
FAX 603 742 3660

REVISIONS DATE:	DESCRIPTION:

NHDES SUBDIVISION PLAN

MILLS FALLS REALTY, LLC.

ROUTE #125
BARRINGTON, NEW HAMPSHIRE

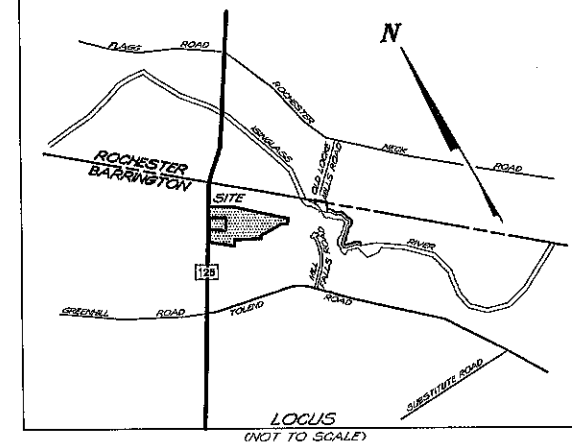
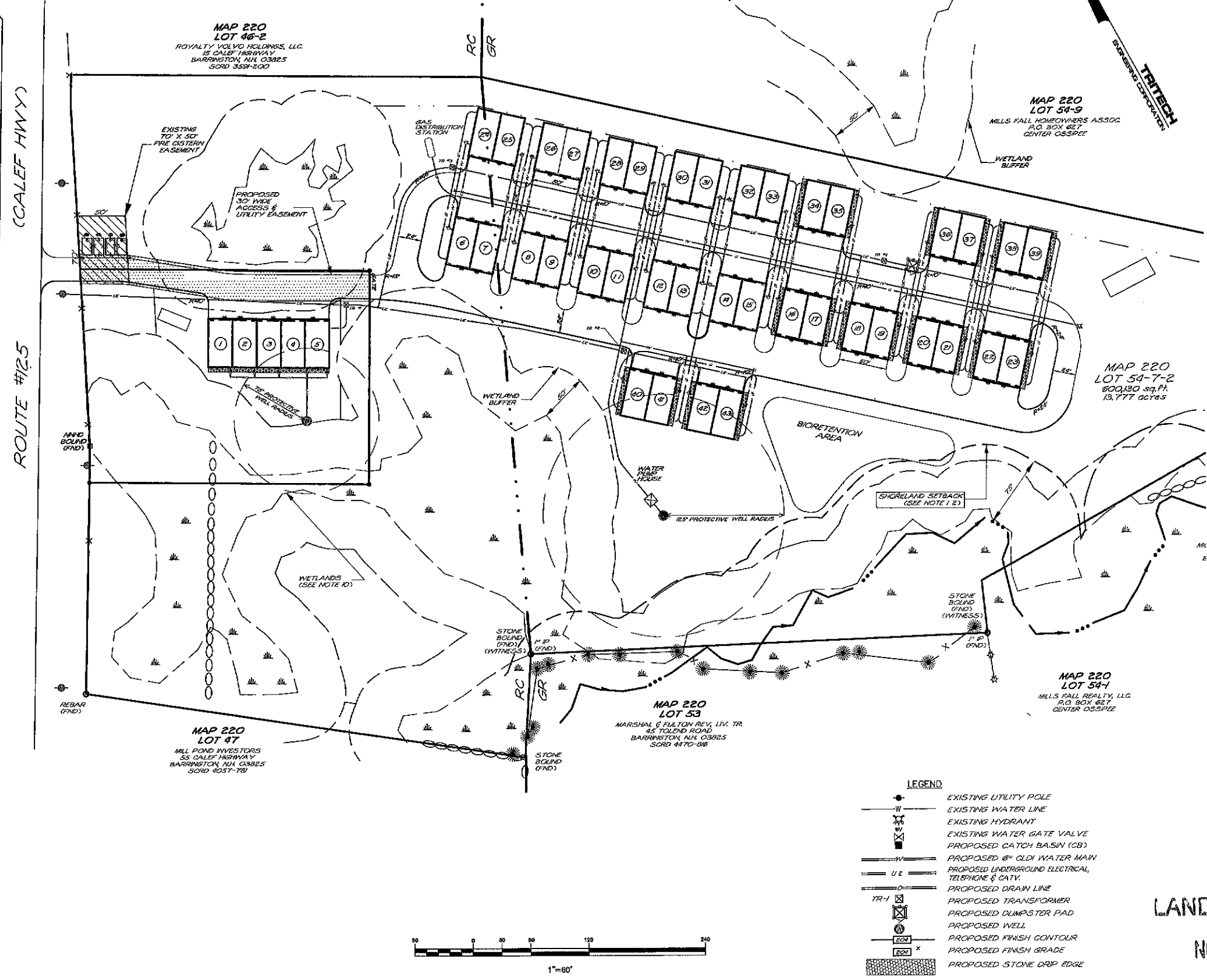
NOVEMBER 11, 2019 JOB No. 19107
SCALE: 1" = 20'

SHEET No.

NHDES
1

ROUTE #125
(CALEF HWY)

N



NOTES

- INTENT: TO SHOW THE PROPOSED DEVELOPMENT OF BARRINGTON TAX MAP 220 LOTS 54-7-1 & 54-7-2, SPECIFICALLY: 43 COMMERCIAL STORAGE-OFFICE UNITS WITH ASSOCIATED INFRASTRUCTURE AND UTILITIES.
- CURRENT OWNER OF RECORD: MILLS FALLS REALTY, LLC APPLICANT: MILLS FALLS REALTY, LLC
P.O. BOX 627 CENTER OSSISPEE, N.H. P.O. BOX 627 CENTER OSSISPEE, N.H.
- TOTAL LOT AREA: MAP 220 LOT 54-7-1 64,648 SQ.FT. - 1.484 ACRES MAP 220 LOT 54-7-2 600,130 SQ.FT. - 13.777 ACRES
- TAX MAP 220 LOTS 54-7-1 & 54-7-2
- PROJECT DEED REFERENCE: BOOK 2821 PAGE 327
- PROJECT PLAN REFERENCE: BOUNDARY LINE ADJUSTMENT AND SUBDIVISION PLAN MILLS FALL REALTY, LLC & DOROTHY A. PURVIS REVOCABLE LIVING TRUST ROUTE 125 & MILL FALLS ROAD BARRINGTON, NEW HAMPSHIRE TRITECH ENGINEERING CORPORATION MAY 19, 2004 SCRD 77-22
- BASIS OF BEARING: BEARING SYSTEM BASED ON GPS FIELD OBSERVATIONS ON MARCH 28, 2019 USING TOPCON HIPER SR RECEIVERS AND OPUS CORRECTED ON APRIL 1, 2019. DATUM BASED ON NEW HAMPSHIRE STATE PLANE COORDINATES SPC (2800 NH), (VERTICAL DATUM: NAVD 88).
- ZONING: REGIONAL COMMERCIAL - RC GENERAL RESIDENTIAL - GR
MIN. LOT SIZE: 40,000 SQ.FT. MIN. LOT SIZE: 80,000 SQ.FT.
MIN. FRONTAGE: 200 FT. MIN. FRONTAGE: 200 FT.
MIN. SETBACKS: FRONT: 75 FT. SIDE: 30 FT. REAR: 30 FT.
MIN. SETBACKS: FRONT: 40 FT. SIDE: 30 FT. REAR: 30 FT.
- THE RAW UNADJUSTED CLOSURE OF OUR RANDOM POINT TRAVERSE WAS 1 PART IN 22,000, AND WAS ACCOMPLISHED USING A SOKKIA SET3100 TOTAL STATION, DURING THE MONTH OF MAY, 2002.
- DURING 2018, HIGHLAND SOILS (MICHAEL MARIANO, STATE OF NEW HAMPSHIRE CERTIFIED SOIL SCIENTIST #76) CONDUCTED AN ON-SITE WETLANDS DELINEATION OF THE SUBJECT PARCEL. WETLANDS WERE IDENTIFIED BASED ON THE CITY OF DOVER ZONING ORDINANCE (170-27.1) AND ON STATE & FEDERAL CRITERIA OUTLINED IN THE "CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL" (DEPT. OF THE ARMY, 1987). ON THIS SITE, WETLANDS BASED ON LOCAL CRITERIA SHARE THE SAME BOUNDARIES WITH THOSE BASED ON STATE AND FEDERAL CRITERIA.
- THE SUBJECT PARCEL IS NOT LOCATED WITHIN A FEDERALLY DESIGNATED SPECIAL FLOOD HAZARD ZONE (FLOOD HAZARD ZONE A - PANEL 6305E, MAP No. 3301700305E, DATE: 9-30-2015).
- SEE SHORELAND SETBACK OVERLAY ZONE, (BARRINGTON ZONING ORDINANCE ARTICLE 4, SECTION 406.00)
- NHDES WETLANDS AND NON-SITE SPECIFIC PERMIT 2004-01983, EXPIRATION DATE: 09/28/2009.
- NHDES SUBDIVISION APPROVAL NO.: 2004005422 (TAX MAP 12 LOT 132), DATED 09/20/2004 & NHDES SUBDIVISION APPROVAL NO.: 2004005423 (TAX MAP 12 LOT 97B-15), DATED 09/20/2004.
- NHDOT DRIVEWAY PERMIT NO: 06-027-426, DATED SEPTEMBER 22, 2004.
- LOTS ARE SERVICED BY PRIVATE WATER AND PRIVATE INDIVIDUAL SEWAGE DISPOSAL SYSTEMS.

LEGEND

	EXISTING UTILITY POLE
	EXISTING WATER LINE
	EXISTING HYDRANT
	EXISTING WATER GATE VALVE
	PROPOSED CATCH BASIN (CB)
	PROPOSED 8" OLD WATER MAIN
	PROPOSED UNDERGROUND ELECTRICAL, TELEPHONE & CATV
	PROPOSED DRAIN LINE
	PROPOSED TRANSFORMER
	PROPOSED DUMPSTER PAD
	PROPOSED WELL
	PROPOSED FINISH CONTOUR
	PROPOSED FINISH GRADE
	PROPOSED STONE DRIP EDGE

LAND USE OFFICE
NOV 12 2019

FOR TOWN APPROVAL PURPOSES:
THE SITE REVIEW REGULATIONS OF THE TOWN OF BARRINGTON ARE A PART OF THIS PLAN. AND APPROVAL OF THIS PLAN IS CONTINGENT UPON COMPLETION OF ALL REQUIREMENTS OF SAID SITE REVIEW REGULATIONS, EXCEPTING ONLY MODIFICATIONS MADE IN WRITING BY THE BOARD AND ATTACHED HERETO.

TRITECH
ENGINEERING CORPORATION

788 CENTRAL AVENUE
DOVER NEW HAMPSHIRE 03820
TELEPHONE 603 742 8907
FAX 603 742 8960

REVISIONS	DATE	DESCRIPTION

GENERAL SITE PLAN
BARRINGTON
STORAGE-OFFICE
ROUTE #125
BARRINGTON, NEW HAMPSHIRE

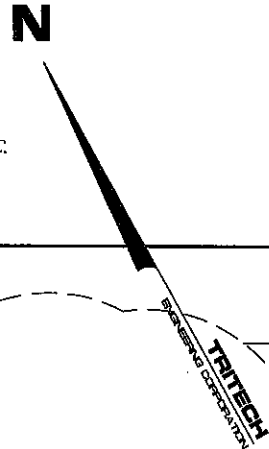
NOVEMBER 11, 2019 JOB No. 19107
SCALE: 1" = 60'

SHEET NO.

SP-1

RECEIVED

MAP 220
 LOT 46-2
 ROYALTY VOLVO HOLDINGS, LLC.
 15 CALEF HIGHWAY
 BARRINGTON, N.H. 03825
 SCR# 3591-200



GC-1 GENERAL CONSTRUCTION NOTES:

1. THE CONTRACTOR IS REQUIRED UNDER NEW HAMPSHIRE LAW TO CONTACT "DIG SAFE" AT 1-800-225-4977, 72 HOURS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THE "DIG SAFE" LOCATIONS THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL BEAR THE COST TO REPAIR ANY UTILITIES DAMAGED DURING THE COURSE OF THE WORK.
2. EXISTING UTILITIES - ALL INFORMATION ON, AND LOCATION OF, EXISTING UTILITIES ARE APPROXIMATE AND BASED ON FIELD INFORMATION AND AVAILABLE PLANS. EXACT LOCATIONS AND DEPTHS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
3. AS-BUILT PLANS OF THE SITE SHALL BE SUBMITTED ON PAPER AND IN DIGITAL FORMAT IN PDF AND AUTOCAD DWG, AUTOCAD DXT OR AN ESRI FORMAT TO THE TOWN OF BARRINGTON ENGINEER'S OFFICE UPON COMPLETION OF THE PROJECT. AS-BUILT PLANS SHALL BE PREPARED AND CERTIFIED CORRECT BY A L.L.S. OR P.E. DIGITAL FILES SHALL BE GEO-REFERENCED TO NEW HAMPSHIRE STATE PLANE COORDINATES NAD 83 AND SHALL BE EXPRESSED IN FEET.
4. ALL BACKFILL IN TRENCHES AND FILL FOR ROADBEDS SHALL BE THOROUGHLY COMPACTED TO 95% OF OPTIMUM DENSITY.
5. TOPOGRAPHIC SURVEY PERFORMED BY TRITECH ENGINEERING CORPORATION IN SEPTEMBER, 2019 AND ELEVATIONS ARE BASED ON U.S.G.S. DATUM.
6. THE INSTALLATION OF ELECTRIC POWER, CABLE TELEVISION AND TELEPHONE LINES SHALL BE UNDERGROUND THROUGHOUT THE SITE FOR WHICH DEVELOPMENT IS PROPOSED.
7. ALL CONSTRUCTION SHALL CONFORM WITH THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION (NHDT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND WITH THE CITY OF SOMERSWORTH COMMUNITY SERVICES REGULATIONS AND STANDARD SPECIFICATION FOR CONSTRUCTION. THE MORE STRINGENT SPECIFICATION SHALL APPLY.
8. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE CONTRACTOR SHALL BE REQUIRED TO CORRECT THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE TOWN.
9. REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE OF THE SITE'S SURFACE AREA AND SHALL BE MAINTAINED THROUGH THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE TOWN.
10. SHEETS T-1, T-2, SP-1 THRU SP-9, SS-1, SS-2, C-1, C-2, SSS-1 & SSS-2 ARE PART OF THIS APPROVAL. SHEET 61A-1 TO BE RECORDED.
11. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN OF BARRINGTON SITE REVIEW REGULATIONS AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.

C-1 CONSTRUCTION NOTES:

1. INSTALL SILT FENCE PER DETAIL 1, SHEET SP-6 OR FILTER SOCK PER DETAIL 7, SHEET SP-6.
2. INSTALL 10.0' x 10.0' CONCRETE DUMPSTER PAD PER DETAIL 9, SHEET SP-5.
3. INSTALL SLOPED GRANITE CURB PER DETAIL 4, SHEET SP-5.
4. INSTALL STABILIZED CONSTRUCTION ENTRANCE PER DETAIL 5, SHEET SP-6.
5. SAWCUT PAVEMENT, PATCH AND MATCH EXISTING PAVEMENT PER DETAIL 11, SHEET SP-5.
6. INSTALL (43) BEGA MODEL 33542 WALL MOUNTED LIGHT FIXTURE. MOUNTING HEIGHT SHALL BE 10 FEET ABOVE FINISH GRADE.
7. INSTALL 125' OF BUILDING DRIP-EDGE PER DETAIL 10, SHEET SP-5.
8. INSTALL FIRE CISTERN PER DETAIL 1, SHEET SP-5.
9. INSTALL 24' OF 6' HIGH VINYL STOCKADE FENCE PER DETAIL 3, SHEET SP-7.

LEGEND

	EXISTING UTILITY POLE
	PROPOSED 6" COLD WATER MAIN
	PROPOSED UNDERGROUND ELECTRICAL, TELEPHONE & CATV
	PROPOSED DRAIN LINE
	EXTERIOR ENTRANCE
	OVERHEAD DOOR
	PROPOSED STONE DRIP EDGE

FOR TOWN APPROVAL PURPOSES:

THE SITE REVIEW REGULATIONS OF THE TOWN OF BARRINGTON ARE A PART OF THIS PLAN, AND APPROVAL OF THIS PLAN IS CONTINGENT UPON COMPLETION OF ALL REQUIREMENTS OF SAID SITE REVIEW REGULATIONS, EXCEPTING ONLY MODIFICATIONS MADE IN WRITING BY THE BOARD AND ATTACHED HERETO.

LAND USE OFFICE

NOV 12 2019

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TRITECH
 ENGINEERING CORPORATION

785 CENTRAL AVENUE
 DERRY NEW HAMPSHIRE 03820
 TELEPHONE 603 742 8907
 FAX 603 742 9930

REVISIONS	DATE	DESCRIPTION

SITE DEVELOPMENT PLAN

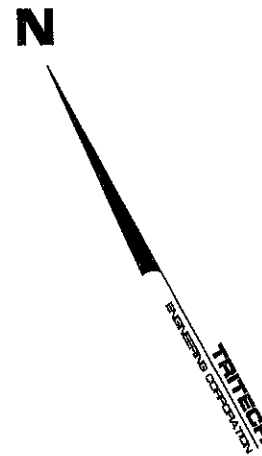
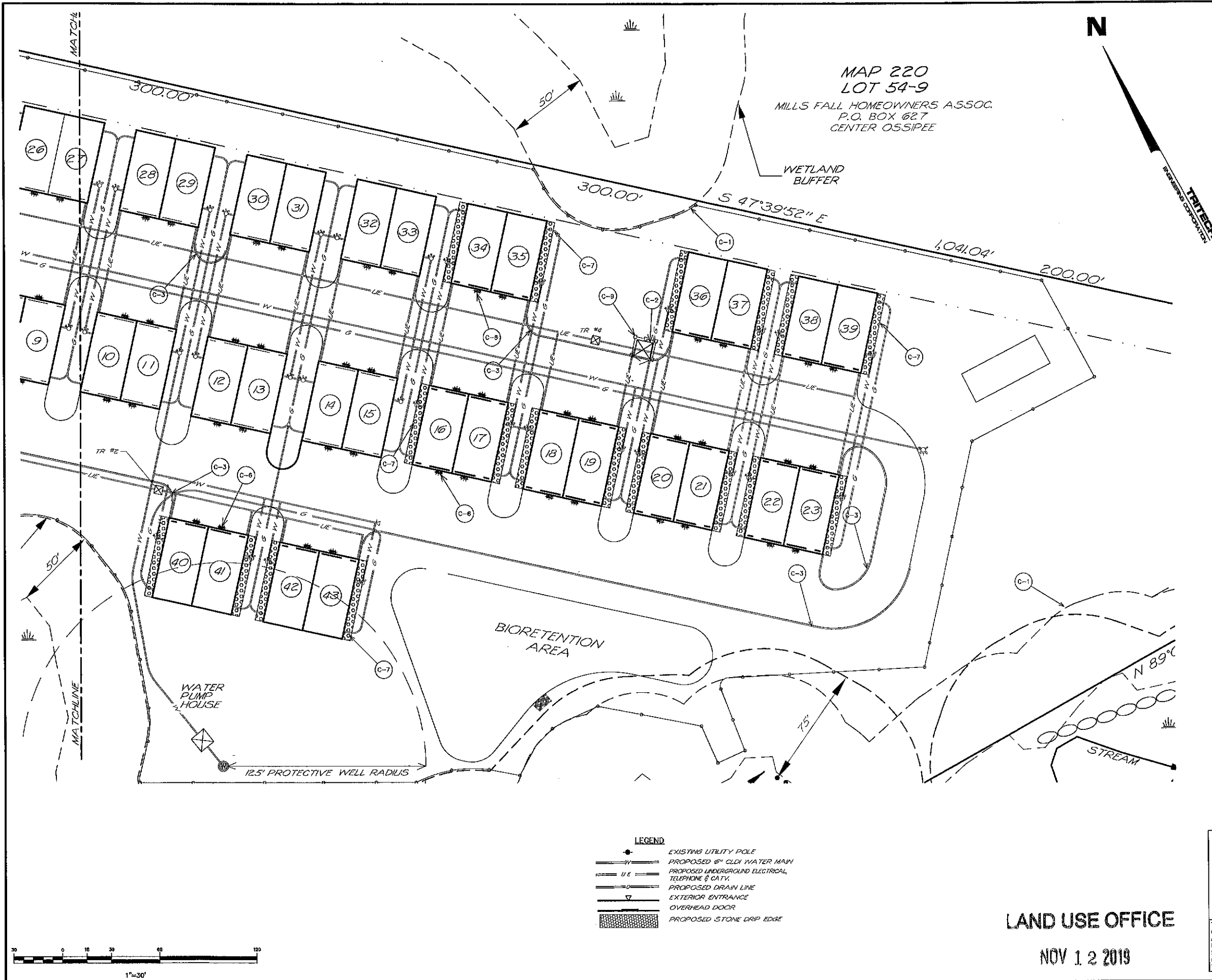
**BARRINGTON
 STORAGE-OFFICE**

ROUTE #125
 BARRINGTON, NEW HAMPSHIRE

NOVEMBER 11, 2019 JOB No. 19107
 SCALE: 1" = 30'

SHEET NO.

SP-2



- LEGEND**
- EXISTING UTILITY POLE
 - W — PROPOSED 6" CLDI WATER MAIN
 - UE — PROPOSED UNDERGROUND ELECTRICAL, TELEPHONE & CATV
 - D — PROPOSED DRAIN LINE
 - ▽ EXTERIOR ENTRANCE
 - O — OVERHEAD DOOR
 - ▨ PROPOSED STONE DRIP EDGE

LAND USE OFFICE

NOV 12 2019

RECEIVED

FOR TOWN APPROVAL PURPOSES:

THE SITE REVIEW REGULATIONS OF THE TOWN OF BARRINGTON ARE A PART OF THIS PLAT. AND APPROVAL OF THIS PLAN IS CONTINGENT UPON COMPLETION OF ALL REQUIREMENTS OF SAID SITE REVIEW REGULATIONS, EXCEPTING ONLY MODIFICATIONS MADE IN WRITING BY THE BOARD AND ATTACHED HERETO.

TRITECH
ENGINEERING CORPORATION

788 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03800
TELEPHONE 603 742 6707
FAX 603 742 3650

REVISIONS	DATE	DESCRIPTION

SITE DEVELOPMENT PLAN

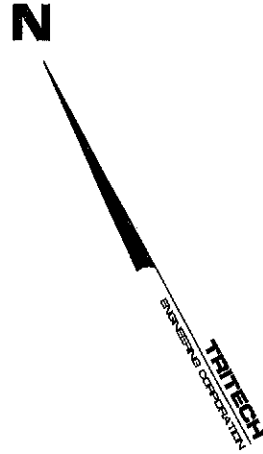
**BARRINGTON
STORAGE-OFFICE**

ROUTE #125
BARRINGTON, NEW HAMPSHIRE

NOVEMBER 11, 2019 JOB NO. 19107
SCALE: 1" = 30'

SHEET NO.

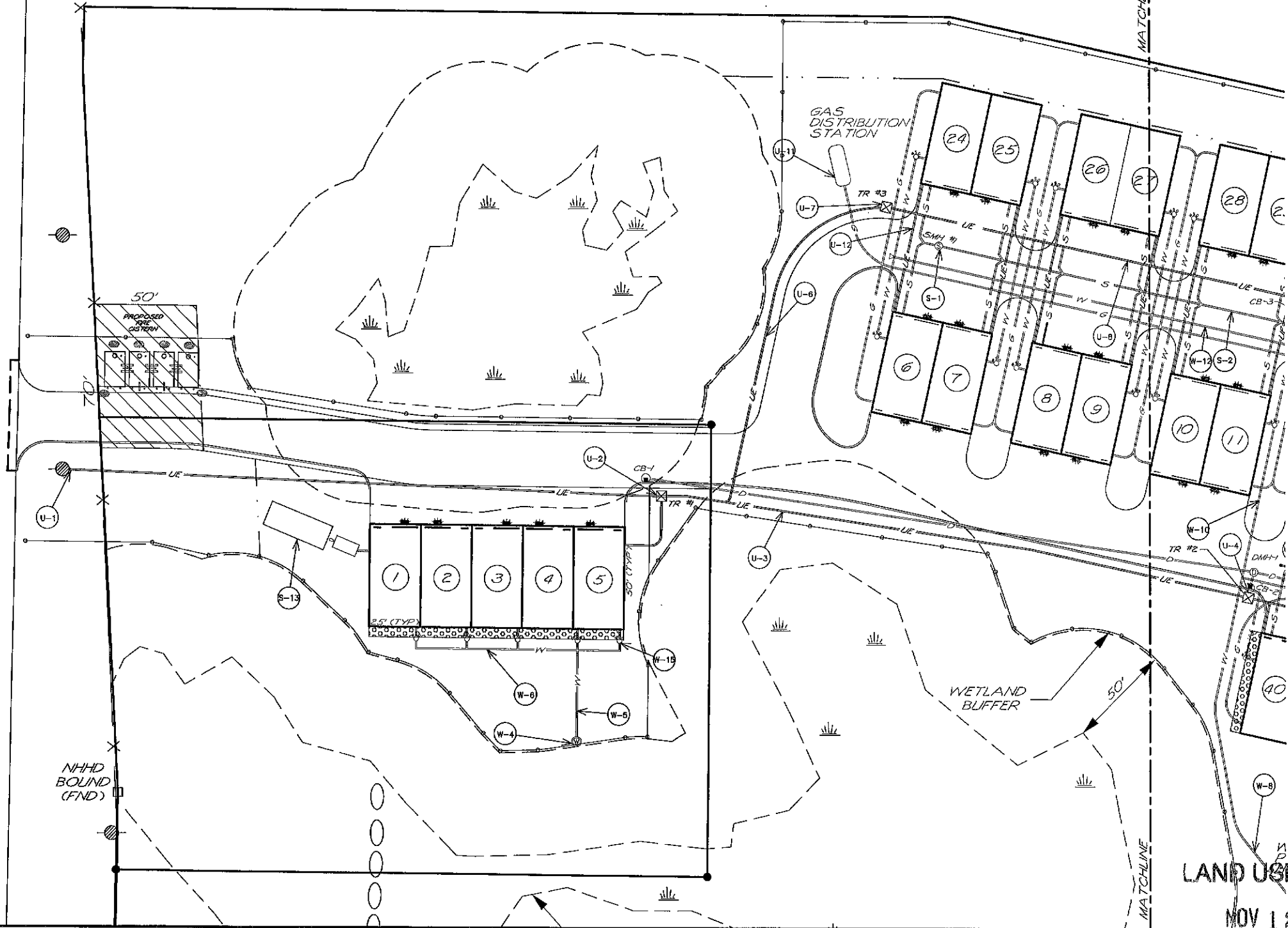
SP-2A



MAP 220
LOT 46-2
ROYALTY VOLVO HOLDINGS, LLC.
15 CALEF HIGHWAY
BARRINGTON, N.H. 03825
SCRD 359-200

CALEF HWY

ROUTE #125



S-1 SEWER NOTES:

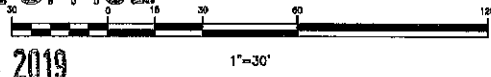
1. INSTALL NEW SEWER MANHOLE #1.
RIM EL = 192.50'
INVERT IN EL = 186.10'
INVERT OUT EL = 186.00'
2. INSTALL 280' OF 6" SDR 35 SEWER PIPE
AT A SLOPE OF 0.017 FT/FT FROM
SEWER MANHOLE #1 INV EL = 186.00'
TO SEWER MANHOLE #2 @ INV EL = 181.50'
3. INSTALL NEW SEWER MANHOLE #2.
RIM EL = 187.30'
INVERT IN EL = 181.50'
INVERT OUT EL = 181.40'
4. INSTALL 290' OF 6" SDR 35 SEWER PIPE
AT A SLOPE OF 0.007 FT/FT FROM
SEWER MANHOLE #2 INV EL = 181.40'
TO SEWER MANHOLE #3 @ INV EL = 179.20'
5. INSTALL NEW SEWER MANHOLE #3.
RIM EL = 184.60'
INVERT IN EL = 179.30'
INVERT OUT EL = 179.20'
6. INSTALL 82' OF 6" SDR 35 SEWER PIPE
AT A SLOPE OF 0.008 FT/FT FROM
SEWER MANHOLE #3 INV EL = 179.20'
TO PROPOSED SEPTIC TANK @ INV EL = 178.50'
7. INSTALL SEPTIC TANK
INV IN EL = 178.50'
PER DETAIL 2, SHEET SP-7.
8. INSTALL INDIVIDUAL SEWAGE DISPOSAL SYSTEM AS
DESIGNED ON SHEET SS-54-7-2.
9. INSTALL 120' OF 6" SDR 35 SEWER PIPE
AT A SLOPE OF 0.007 FT/FT FROM
SEWER MANHOLE #4 INV EL = 181.40'
TO SEWER MANHOLE #2 @ INV EL = 182.30'
10. INSTALL NEW SEWER MANHOLE #4.
RIM EL = 187.60'
INVERT IN EL = 182.40'
INVERT OUT EL = 182.30'
11. INSTALL 60' OF 6" SDR 35 SEWER PIPE
AT A SLOPE OF 0.007 FT/FT FROM
SEWER MANHOLE #4 INV EL = 182.40'
TO PROPOSED CLEAN-OUT @ INV EL = 182.60'
12. INSTALL 50' OF 6" SDR 35 SEWER PIPE
AT A SLOPE OF 0.007 FT/FT FROM
SEWER MANHOLE #4 INV EL = 182.40'
TO PROPOSED CLEAN-OUT @ INV EL = 172.75'
13. INSTALL INDIVIDUAL SEWAGE DISPOSAL SYSTEM AS
DESIGNED ON SHEET SS-54-7-1.
14. INSTALL 4" SDR 35 SEWER PIPE
AT A SLOPE OF 0.007 FT/FT FROM
BUILDING TO SEWER LINE. (TYP)

LEGEND

- EXISTING UTILITY POLE
- EXISTING WATER LINE
- ⊗ EXISTING HYDRANT
- ⊗ EXISTING WATER GATE VALVE
- PROPOSED 6" CLDI WATER MAIN
- PROPOSED UNDERGROUND ELECTRICAL, TELEPHONE & CATV.
- PROPOSED DRAIN LINE
- ⊗ PROPOSED WATER GATE VALVE
- ⊗ PROPOSED THRUST BLOCK
- ▨ PROPOSED STONE DRP EDGE

FOR TOWN APPROVAL PURPOSES:

THE SITE REVIEW REGULATIONS OF THE TOWN OF BARRINGTON ARE A PART OF THIS PLAN, AND APPROVAL OF THIS PLAN IS CONTINGENT UPON COMPLETION OF ALL REQUIREMENTS OF SAID SITE REVIEW REGULATIONS, EXCEPTING ONLY MODIFICATIONS MADE IN WRITING BY THE BOARD AND ATTACHED HERETO.



LAND USE OFFICE

NOV 12 2019

TRITECH
ENGINEERING CORPORATION

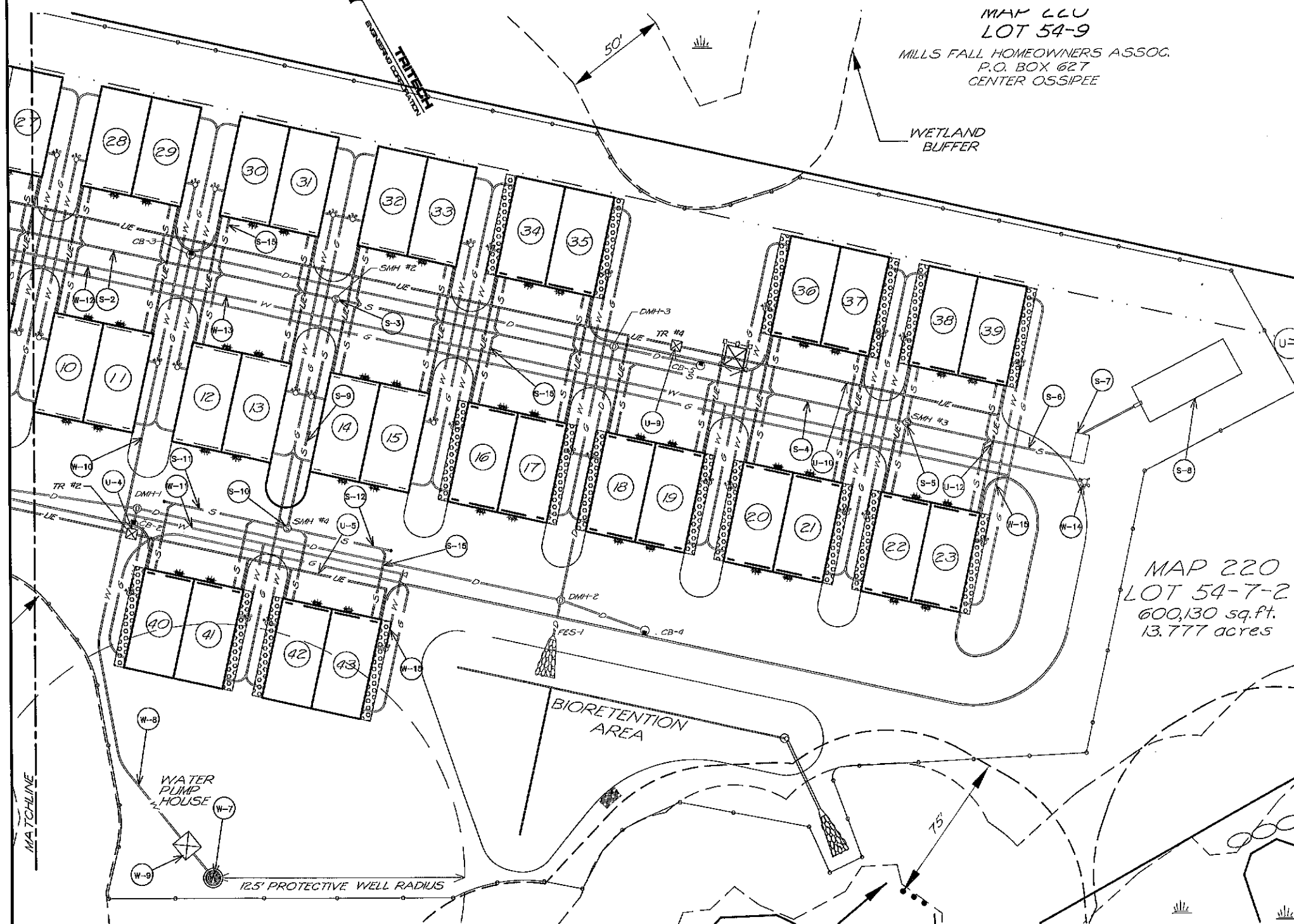
788 CENTRAL AVENUE
COVER NEW HAMPSHIRE 03860
TELEPHONE 603 742 8007
FAX 603 742 8850

REVISIONS	DATE	DESCRIPTION

UTILITY PLAN
**BARRINGTON
STORAGE-OFFICE**
ROUTE #125
BARRINGTON, NEW HAMPSHIRE
NOVEMBER 11, 2019 JOB No. 19107
SCALE: 1" = 30'

SHEET NO. **SP-3**

RECEIVED



MAP 220
LOT 54-9
MILLS FALL HOMEOWNERS ASSOC.
P.O. BOX 627
CENTER OSSISPEE

WETLAND
BUFFER

MAP 220
LOT 54-7-2
600,130 sq.ft.
13.777 acres

WATER PUMP HOUSE
12.5' PROTECTIVE WELL RADIUS

BIORETENTION AREA

W-1 WATER NOTES:

1. WATERLINE AND APPENDITURES, INSTALLATION, AND MATERIALS SHALL CONFORM WITH THE AMERICAN WATER WORKS STANDARDS.
2. PRESSURE AND LEAKAGE TEST SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST STANDARDS OF AWWA. CHLORINATING AND FLUSHING SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST STANDARDS OF AWWA, STATE AND LOCAL REGULATIONS.
3. BACKFLOW PREVENTORS SHALL BE PROVIDED FOR ALL WATER LINES.
4. DRILL ARTISIAN WELL.
5. INSTALL 50' - 2" TYPE K COPPER OR 2" PLASTIC (MEETING AWWA STANDARDS) WATER LINE FROM WELL TO SHUT-OFF. MINIMUM DEPTH OF COVER OVER PIPE = 5.5'.
6. INSTALL 100' - 2" TYPE K COPPER OR 2" PLASTIC (MEETING AWWA STANDARDS) WATER LINE FROM WELL TO SHUT-OFF. MINIMUM DEPTH OF COVER OVER PIPE = 5.5'.
7. DRILL ARTISIAN WELL. PUMP STATION DESIGN BY OTHERS.
8. INSTALL 170' - 2" TYPE K COPPER OR 2" PLASTIC (MEETING AWWA STANDARDS) WATER LINE FROM WELL TO WATER PUMP HOUSE. MINIMUM DEPTH OF COVER OVER PIPE = 5.5'.
9. INSTALL WATER PUMP HOUSE. PUMP STATION DESIGN BY OTHERS.
10. INSTALL 170' - 2" TYPE K COPPER OR 2" PLASTIC (MEETING AWWA STANDARDS) WATER LINE FROM WATER PUMP HOUSE TO THE INTERSECTION. MINIMUM DEPTH OF COVER OVER PIPE = 5.5'.
11. INSTALL 140' - 2" TYPE K COPPER OR 2" PLASTIC (MEETING AWWA STANDARDS) WATER LINE FROM WATER LINE TO THE END. MINIMUM DEPTH OF COVER OVER PIPE = 5.5'.
12. INSTALL 200' - 2" TYPE K COPPER OR 2" PLASTIC (MEETING AWWA STANDARDS) WATER LINE FROM WATER LINE TO THE END. MINIMUM DEPTH OF COVER OVER PIPE = 5.5'.
13. INSTALL 460' - 2" TYPE K COPPER OR 2" PLASTIC (MEETING AWWA STANDARDS) WATER LINE FROM WATER LINE TO THE PROPOSED HYDRANT. MINIMUM DEPTH OF COVER OVER PIPE = 5.5'.
14. INSTALL YARD HYDRANT.
15. INSTALL 2" TYPE K COPPER OR 2" PLASTIC (MEETING AWWA STANDARDS) WATER SERVICE FROM WATER LINE TO THE BUILDING. MINIMUM DEPTH OF COVER OVER PIPE = 5.5'.

U-1 UTILITY NOTES:

1. INSTALL 275 FT OF UNDERGROUND CONDUIT IN ACCORDANCE WITH EVERSOURCE STANDARDS & DETAIL 12, (TRENCH "A"), SHEET SP-5 FROM EXISTING UTILITY POLE TO TRANSFORMER 1, (PRIMARY POWER)
2. INSTALL TRANSFORMER 1 AND CONCRETE PAD (SUITABLE FOR A 100 KW TRANSFORMER), IN ACCORDANCE WITH EVERSOURCE STANDARDS.
3. INSTALL 300 FT OF UNDERGROUND CONDUIT IN ACCORDANCE WITH EVERSOURCE STANDARDS & DETAIL 12, (TRENCH "A"), SHEET SP-5 FROM TRANSFORMER 1 TO TRANSFORMER 2, (PRIMARY POWER)
4. INSTALL TRANSFORMER 2 AND CONCRETE PAD (SUITABLE FOR A 100 KW TRANSFORMER), IN ACCORDANCE WITH EVERSOURCE STANDARDS.
5. INSTALL 125 FT OF UNDERGROUND CONDUIT IN ACCORDANCE WITH EVERSOURCE STANDARDS & DETAIL 12, (TRENCH "A"), SHEET SP-5 FROM TRANSFORMER 2 TO THE END.
6. INSTALL 210 FT OF UNDERGROUND CONDUIT IN ACCORDANCE WITH EVERSOURCE STANDARDS & DETAIL 12, (TRENCH "A"), SHEET SP-5 FROM TRANSFORMER 1 TO TRANSFORMER 3, (PRIMARY POWER)
7. INSTALL TRANSFORMER 3 AND CONCRETE PAD (SUITABLE FOR A 100 KW TRANSFORMER), IN ACCORDANCE WITH EVERSOURCE STANDARDS.
8. INSTALL 450 FT OF UNDERGROUND CONDUIT IN ACCORDANCE WITH EVERSOURCE STANDARDS & DETAIL 12, (TRENCH "A"), SHEET SP-5 FROM TRANSFORMER 3 TO TRANSFORMER 4, (PRIMARY POWER)
9. INSTALL TRANSFORMER 4 AND CONCRETE PAD (SUITABLE FOR A 100 KW TRANSFORMER), IN ACCORDANCE WITH EVERSOURCE STANDARDS.
10. INSTALL 160 FT OF UNDERGROUND CONDUIT IN ACCORDANCE WITH EVERSOURCE STANDARDS & DETAIL 12, (TRENCH "A"), SHEET SP-5 FROM TRANSFORMER 2 TO THE END.
11. INSTALL PROPANE GAS DISTRIBUTION STATION.
12. INSTALL UNDERGROUND CONDUIT IN ACCORDANCE WITH EVERSOURCE STANDARDS & DETAIL 12, (TRENCH "A"), SHEET SP-5 (ELECTRICAL SERVICE, TYPICAL).

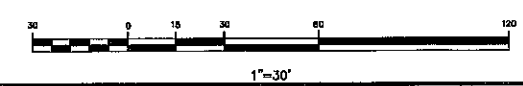
LEGEND

- EXISTING UTILITY POLE
- PROPOSED 2" OLD WATER MAIN
- U-E PROPOSED UNDERGROUND ELECTRICAL, TELEPHONE & CATV.
- PROPOSED DRAIN LINE
- ▨ PROPOSED STONE DRIP EDGE

FOR TOWN APPROVAL PURPOSES:

LAND USE OFFICE
NOV 11 2019

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TRITECH
ENGINEERING CORPORATION

785 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03830
TELEPHONE 603 742 8707
FAX 603 742 8860

REVISIONS	DATE	DESCRIPTION

UTILITY PLAN

BARRINGTON STORAGE-OFFICE
ROUTE #125
BARRINGTON, NEW HAMPSHIRE

NOVEMBER 11, 2019 JOB No. 19107
SCALE: 1" = 30'

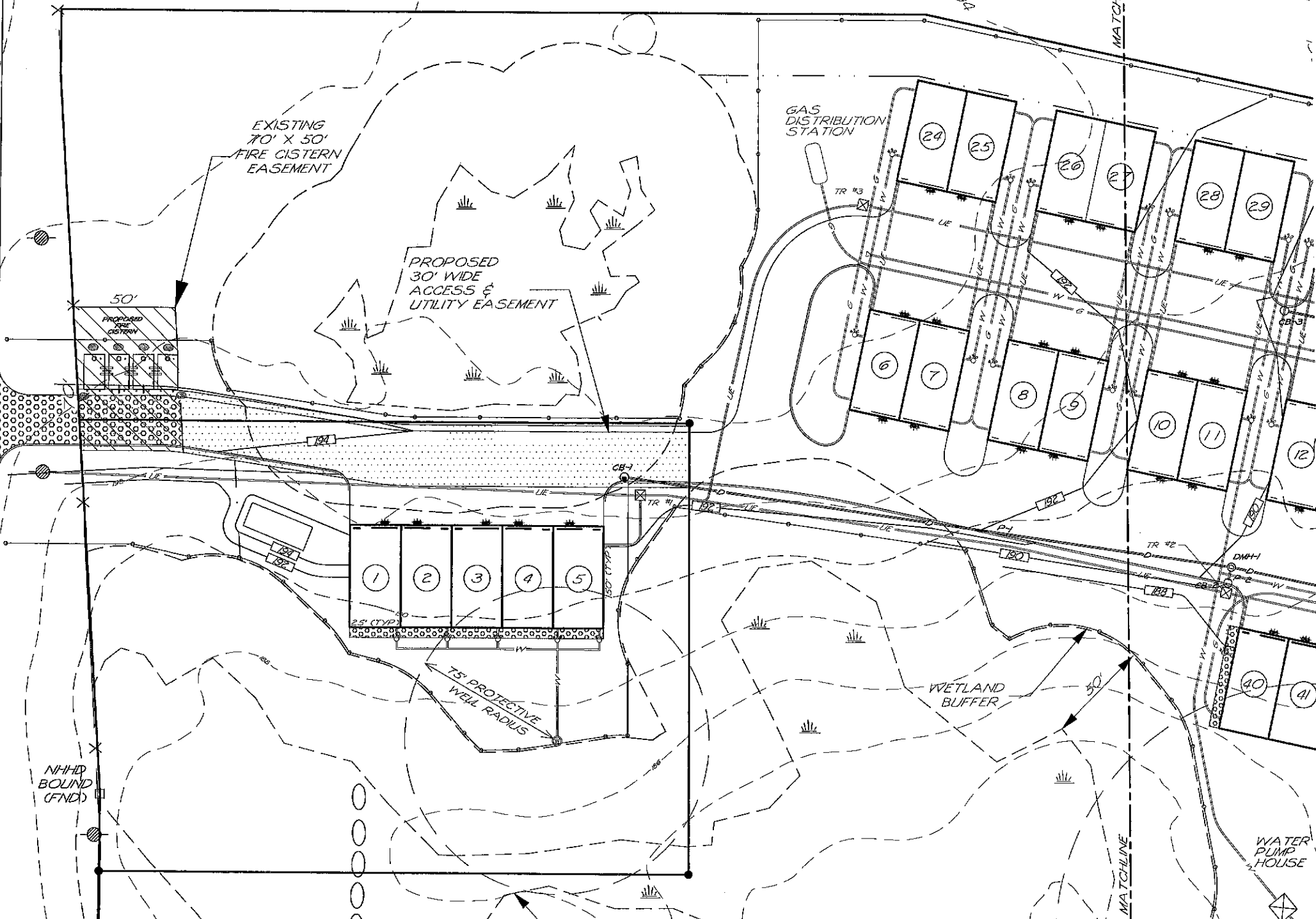
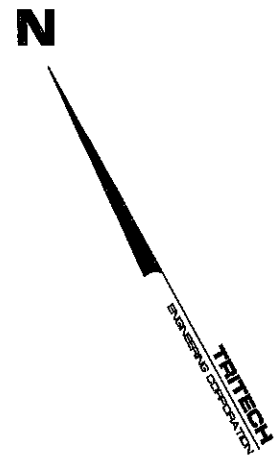
SHEET NO.

SP-3A

ROYALTY VOLVO HOLDINGS, LLC.
15 CALEF HIGHWAY
BARRINGTON, N.H. 03825
SGRD 3591-200

CALEF HWY

ROUTE #125



EXISTING 70' X 50' FIRE CISTERN EASEMENT

PROPOSED 30' WIDE ACCESS & UTILITY EASEMENT

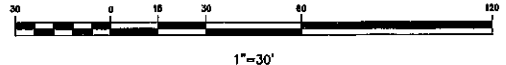
GAS DISTRIBUTION STATION

15' PROTECTIVE WEIL RADIUS

WETLAND BUFFER

WATER PUMP HOUSE

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- LEGEND**
- EXISTING UTILITY POLE
 - EXISTING WATER LINE
 - EXISTING HYDRANT
 - EXISTING WATER GATE VALVE
 - PROPOSED 8" CLDI WATER MAIN
 - PROPOSED UNDERGROUND ELECTRICAL, TELEPHONE & CATV
 - PROPOSED TRANSFORMER PAD
 - PROPOSED DRAIN MANHOLE
 - PROPOSED CATCH BASIN
 - PROPOSED FLARED END SECTION
 - PROPOSED DRAIN LINE
 - PROPOSED FINISH CONTOUR
 - PROPOSED FINISH GRADE
 - PROPOSED STONE DRIP EDGE

LAND USE OFFICE

NOV 12 2019

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TRITECH
ENGINEERING CORPORATION

708 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
FAX 603 742 9830

REVISIONS DATE:	DESCRIPTION:

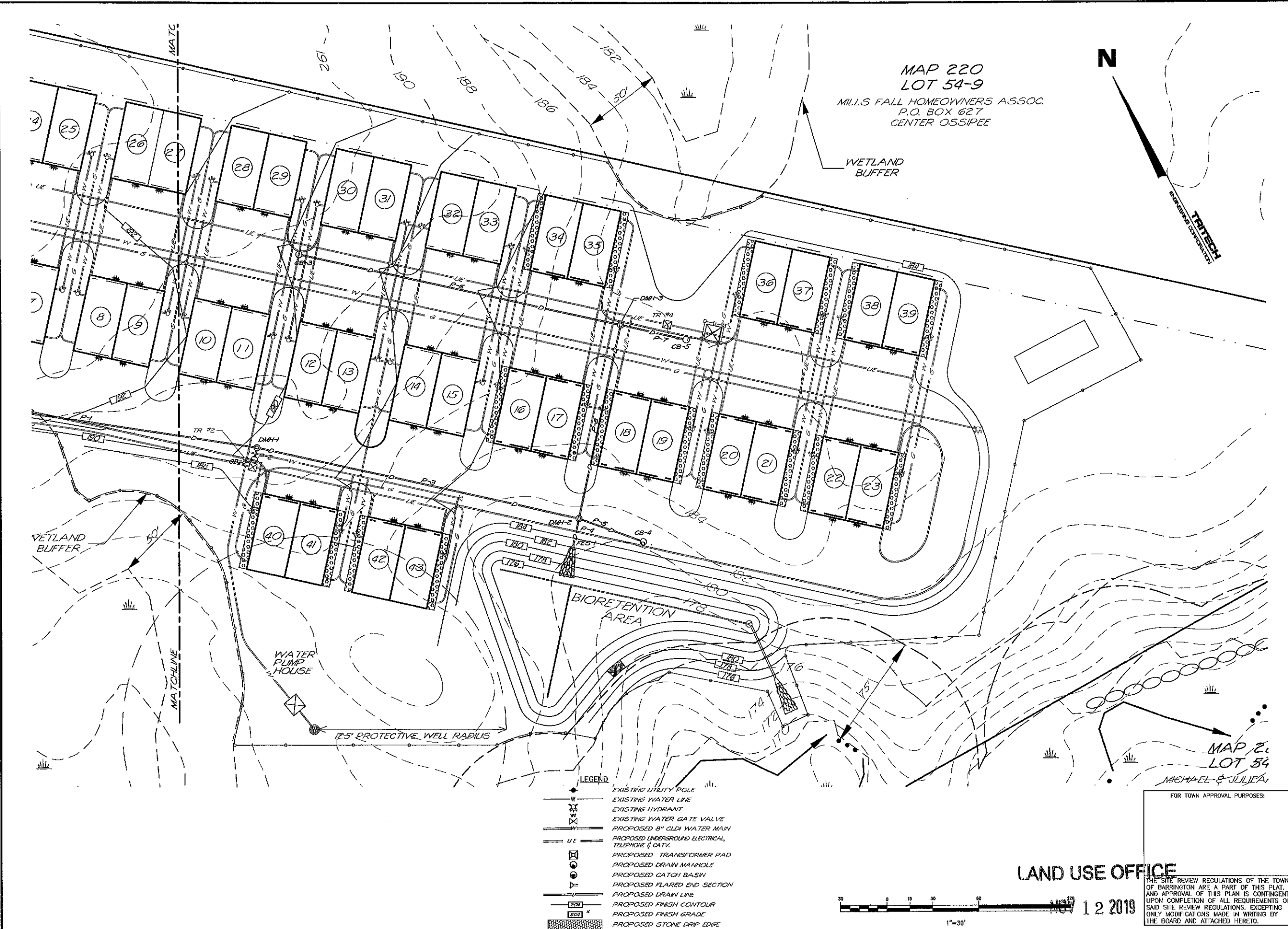
GRADING AND DRAINAGE PLAN

BARRINGTON STORAGE-OFFICE

ROUTE #125
BARRINGTON, NEW HAMPSHIRE
NOVEMBER 11, 2019 JOB No. 19107
SCALE: 1" = 30'

SHEET NO.

SP-4



TRITECH
ENGINEERING CORPORATION

786 CENTRAL AVENUE
DOVER NEW HAMPSHIRE 03820
TELEPHONE 603 742 8107
FAX 603 748 9830

REVISIONS DATE	DESCRIPTION

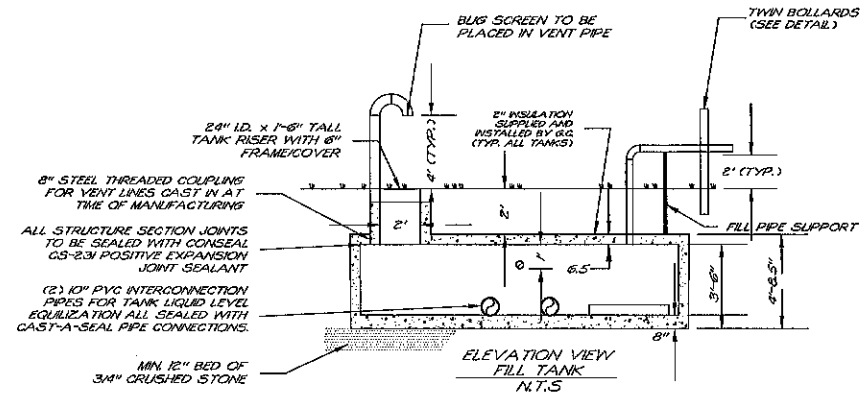
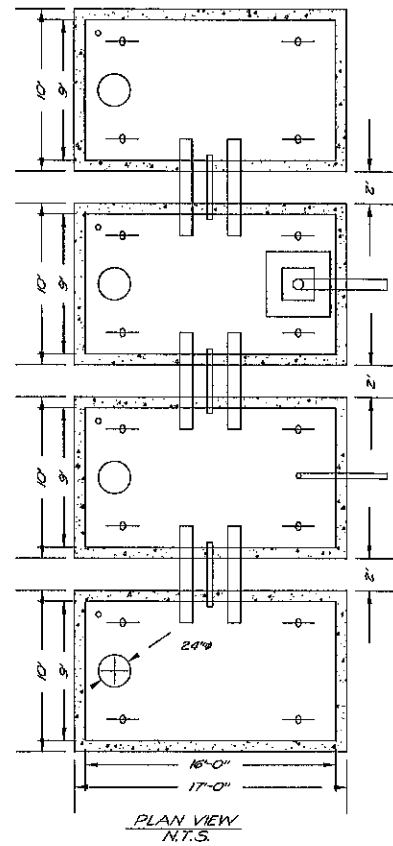
GRADING AND DRAINAGE PLAN
BARRINGTON STORAGE-OFFICE
ROUTE #125
BARRINGTON, NEW HAMPSHIRE
NOVEMBER 12 2019 JOB No. 19107
SCALE: 1" = 30'

SHEET NO. **SP-4A**

LAND USE OFFICE

FOR TOWN APPROVAL PURPOSES:
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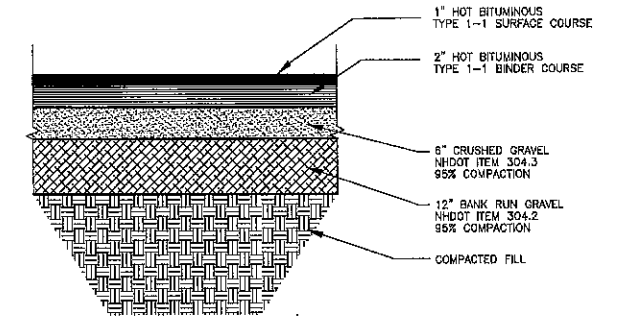
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NOTES:

- ONE CUBIC YARD BOULDER SHALL BE PROVIDED AT 8' O.C. AND 5' OFF TANK AFTER FINAL GRADINGS.
- BACKFILL SHALL BE CLEAN EARTHEN FILL WITH NO STONES LARGER THAN 3" DIA. COMPACT IN PLACE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING THE FINAL INSPECTION WITH THE BARRINGTON FIRE DEPARTMENT.
- ALL STEEL SHALL BE PAINTED.
- ALL PIPES SHALL HAVE A MINIMUM CLEAR DIMENSION OF 24" OFF THE INSIDE WALL OF THE CISTERN.
- THE FIRE CISTERN SHALL BE CONSTRUCTED IN ACCORDANCE WITH NFPA, AND TOWN OF BARRINGTON FIRE DEPARTMENT STANDARDS.
- PRIOR TO CONSTRUCTION, ALL MATERIALS, PIPE, AND FITTINGS SHALL BE SUBMITTED TO THE FIRE CHIEF OF THE TOWN OF BARRINGTON FOR HIS APPROVAL.
- UPON COMPLETION OF CONSTRUCTION, THE FIRE CHIEF OF THE TOWN OF BARRINGTON SHALL BE NOTIFIED FOR FINAL INSPECTION AND ACCEPTANCE.
- FIRE CISTERN SHALL BE WATER TIGHT.
- UPON COMPLETION OF CONSTRUCTION THE FIRE CISTERN SHALL BE FILLED WITH WATER, AND TESTED TO ASSURE THE SYSTEM IS COMPLETELY OPERATIONAL PRIOR TO ACCEPTANCE BY THE TOWN OF BARRINGTON FIRE DEPARTMENT.

1 FIRE CISTERN DETAILS & NOTES
NOT TO SCALE

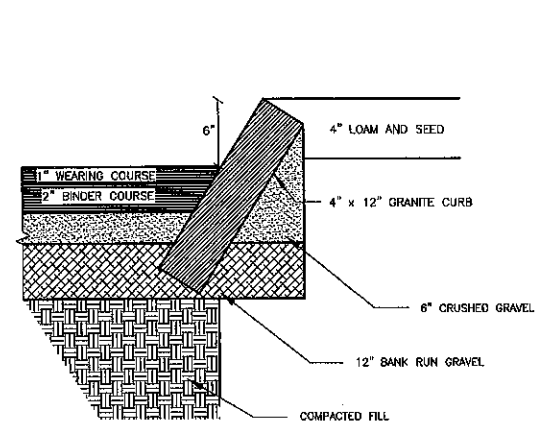


GENERAL MATERIALS NOTES - APPLIES TO ALL DETAILS UNLESS NOTED.

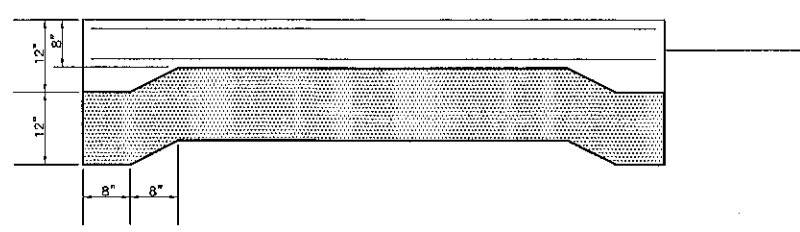
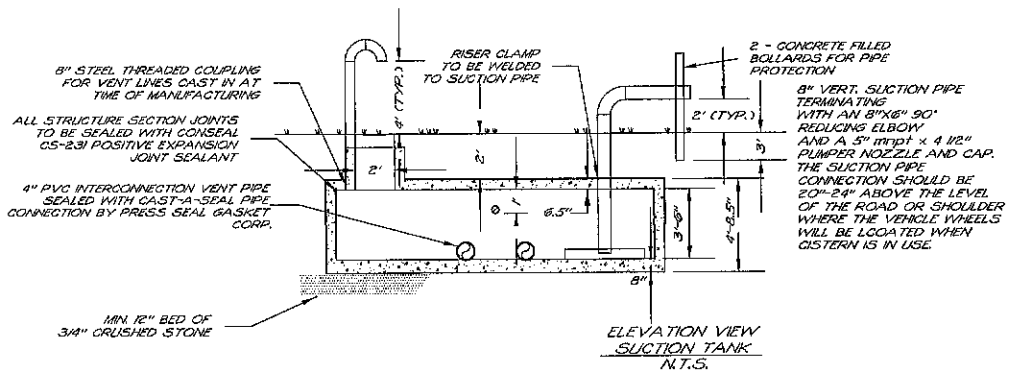
- MATERIALS & CONSTRUCTION METHODS SHALL CONFORM TO THE STATE OF NEW HAMPSHIRE STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
- COMPACTED FILL UNDER PAVEMENT OR CONCRETE AREAS SHALL BE FREE OF ORGANIC MATERIAL & COMPACTED IN 4' LIFTS TO NOT LESS THAN 95% OPTIMUM DENSITY.
- BANK RUN GRAVEL SHALL BE SUEVE PERCENT PASSING:

100%	20 - 70%
#4	5 - 12% OF PASSING #4
#20	5 - 12% OF PASSING #20
#40	100%
#60	100%
#80	100%
#100	100%
#120	100%
#150	100%
#200	100%
- BASE COURSE OF PAVEMENT SHALL BE 3/4" DIA. TYPE 1-1 HOT BITUMINOUS CONCRETE (225 LBS/SQ.YD.)
- WEARING COURSE OF PAVEMENT SHALL BE 1/2" DIA. TYPE 1-1 HOT BITUMINOUS CONCRETE (115 LBS/SQ.YD.)

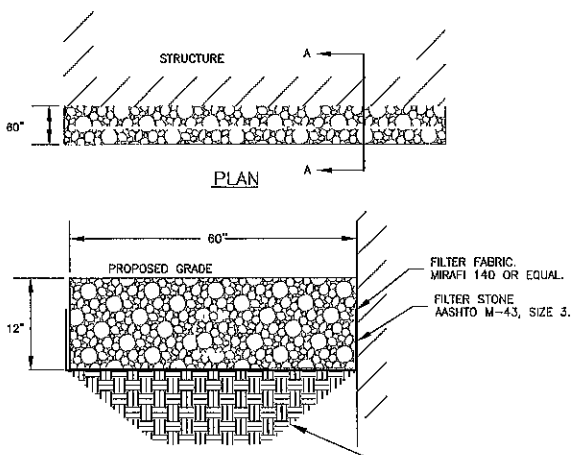
3 TYPICAL PAVEMENT SECTION



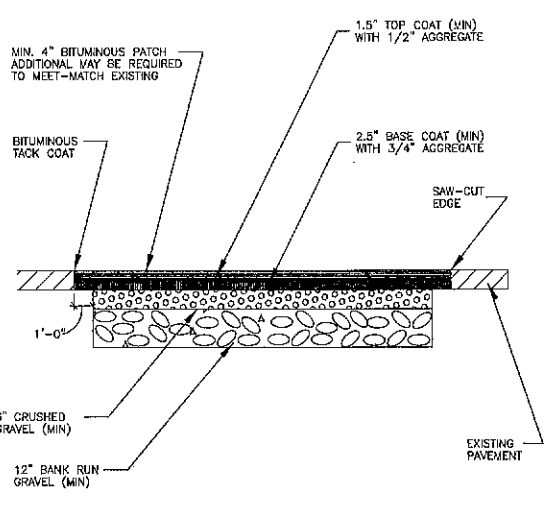
4 SLOPED GRANITE CURB SECTION
NOT TO SCALE



9 DUMPSTER PAD DETAIL
NOT TO SCALE



10 BUILDING DRIP EDGE
NOT TO SCALE



11 PAVEMENT PATCH DETAIL
NOT TO SCALE

LAND USE OFFICE

NOT USED
NOV 12 2019

CONSTRUCTION DETAILS
BARRINGTON
STORAGE-OFFICE
ROUTE #125
BARRINGTON, NEW HAMPSHIRE
NOVEMBER 11, 2019 JOB No. 19107

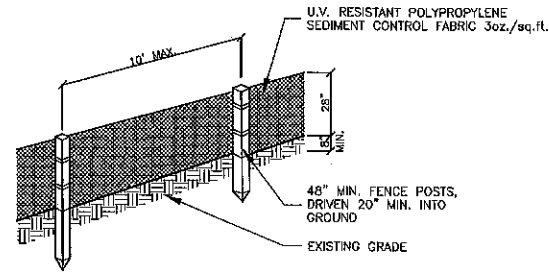
SHEET NO.
SP-5

TRITECH
ENGINEERING CORPORATION

755 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 748 8007
FAX 603 748 8800

REVISIONS	DATE	DESCRIPTION

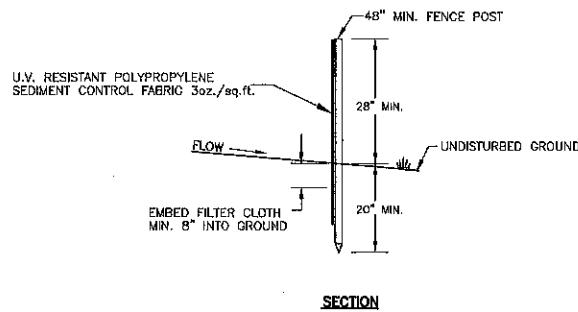
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PERSPECTIVE VIEW

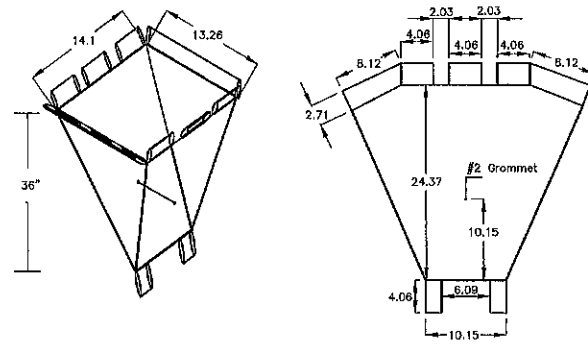
NOTES

1. THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR BEST MANAGEMENT PRACTICE FOR SILT FENCES, OF THE "STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS IN NEW HAMPSHIRE" PREPARED BY ROCKINGHAM COUNTY CONSERVATION DISTRICT, DATED AUGUST 1992.
2. THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.
4. FENCE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG AND DRIVEN A MINIMUM OF 20 INCHES INTO THE GROUND. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQ.IN..
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED TO PREVENT BULGES IN THE SILT FENCE DUE TO DEPOSITION OF SEDIMENT.
6. REMOVE BY HAND AND PROPERLY DISPOSE OF ALL SEDIMENT PRIOR TO REMOVING FENCE.



SECTION

1 SILT FENCE
NOT TO SCALE

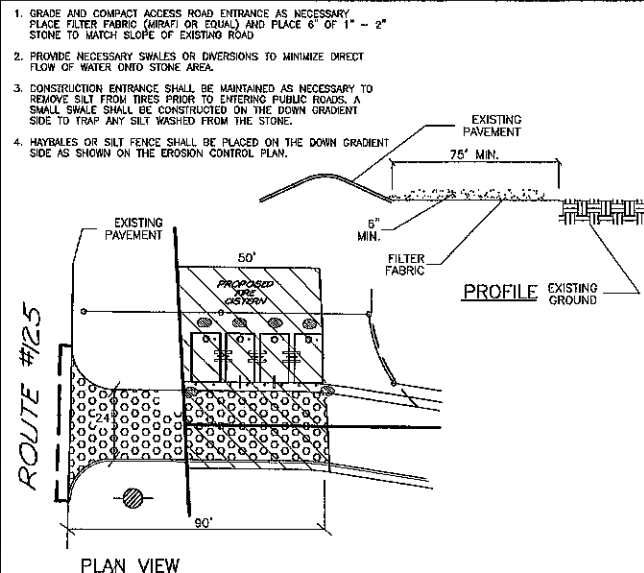


Specifications:

- a) Fabric used should not be laminated.
- b) Silt sack to have two #2 grommets, one on each of the two sides, 15" from the bottom of the silt sack.
- c) Tie 1/4" wide yellow rope 15" long through the grommets on two sides of the silt sack.

2 Hi Vis Hi Flow Silt Sack
NOT TO SCALE

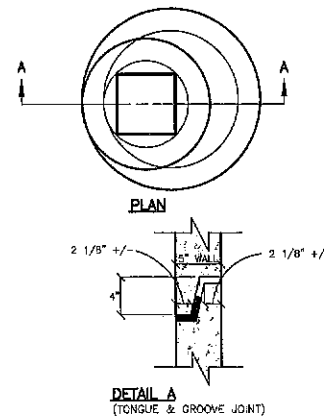
3 NOT USED
NOT TO SCALE



5 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

NOTES

1. ALL SECTIONS SHALL BE CONCRETE CLASS AA(4000 psi).
2. CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQ.IN. PER LINEAR FOOT IN ALL SECTIONS AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL.
3. THE TONGUE OR GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL TO 0.12 SQ. IN. PER LINEAR FOOT.
4. RISERS OF 1', 2', 3' & 4' CAN BE USED TO REACH DESIRED DEPTH.
5. THE STRUCTURES SHALL BE DESIGNED FOR H-20 LOADING.
6. FOR SHALLOW INVERTS, A FLAT TOP SLAB WITH TONGUE AND GROOVE JOINTS (DETAIL A), MEETING H-20 LOADING MAY BE USED.



DETAIL A
(TONGUE & GROOVE JOINT)

6 DEEP SUMP HOODED CATCH BASIN
NOT TO SCALE

1. THE PROJECT SHALL BE MANAGED TO MEET THE REQUIREMENTS AND INTENT OF RSA 430:53 AND AGR 3800 RELATIVE TO INVASIVE SPECIES.
2. FUGITIVE DUST SHALL BE CONTROLLED IN ACCORDANCE WITH ENV-A 1000.

CRITICAL AREAS

Anywhere on the site that existing vegetation is to be removed will require immediate erosion control treatment. Special care should be taken where runoff enters wetlands. All storm water practices areas shall be stabilized prior to directing storm water to them; specifically all bioretention basins and all infiltration practices.

EROSION AND SEDIMENT CONTROL PRACTICES

Erosion and sediment control practices will include the use of rip-rap, and silt fence check dams. All erosion and sediment control practices will be constructed and maintained according to the minimum standards and specifications contained in the "New Hampshire Stormwater Manual, Volume 2".

A. Erosion and Sediment Control Measures

1. The erosion control procedures shall conform to Section 645 of the "Standard Specifications for Road and Bridge Construction" of the NH DOT, and the "New Hampshire Stormwater Manual".
2. During Construction and thereafter, erosion control measures are to be implemented as noted. The smallest practical area of land should be exposed at any one time during development. The amount of exposed areas which are temporarily stabilized without permanent stabilization shall be limited to 5 acres.
3. During grading operations, install stone check dams at 50 foot intervals in drainage swales and at drain inlets where shown. Barriers are to be maintained and cleaned until disturbed areas are stabilized.
4. Any disturbed areas which are to be left temporarily, and which will be regraded later during construction shall be machine hay mulched and seeded with rye grass to prevent erosion.
5. Silt fences and other erosion control measures shall be inspected weekly and after every 0.25" rainfall event during the life of the project. All damaged silt fences shall be repaired. Sediment deposits shall periodically be removed.
6. Avoid the use of future open spaces (loom and seed areas) wherever possible during the construction. Construction traffic shall use the roadbeds of future roads and parking areas.
7. Topsoil required for the establishment of vegetation shall be stock piled in amounts necessary to complete finished grading of all exposed areas.
8. Areas to be filled shall be cleared, grubbed, and stripped of topsoil to remove trees, vegetation, roots or other objectionable material. Stumps shall be disposed by grinding or fill in an approved facility.
9. All fills shall be placed and compacted to reduce erosion, slippage settlement, subsidence or other related problems.
10. All fill shall be placed and compacted in layers not to exceed 8 inches in thickness.
11. Frozen material or soil, mucky or highly compressible material shall not be incorporated into fills.
12. Fill material shall not be placed on a frozen foundation subgrade.
13. Disturbed areas shall be seeded immediately following finished grading.
14. Limit of exposed area that is temporarily stabilized without permanent stabilization is 5 acres or less.
15. All areas not stabilized by Nov. 1st must be protected by Erosion Control Blankets or equivalent and mulched/seeded with winter rye or oats.
16. All disturbed areas must be seed and mulched within 3 days of final grading, permanently stabilized within 15 days of final grading or temporarily stabilized within 45 days of initial disturbance.
17. All ditches and swales are to be stabilized prior to directing runoff to these features.
18. All cut and fill slopes shall be seeded immediately.
19. An area shall be considered stable if one of the following has occurred:
 - a.) Base course gravel is 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 as stone or riprap has been installed
 - d.) Erosion control blankets have been properly installed.

B. Vegetative Practice

All ground areas opened up for construction will be regraded, loamed, seeded and mulched in the shortest practical time. All Temporary and Permanent Seeding must be applied prior to October 1st. Employ temporary erosion and sedimentation control devices as detailed in this plan as necessary until adequate stabilization has been assured.

A. Temporary Seeding & Hay Mulching

1. At no time shall any disturbed area remain unstabilized for longer than 30 days. All areas where construction is not completed within 30 days of the initial disturbance shall receive temporary seeding measures.
2. Fertilizer shall be spread on the top layer of loam and worked into the surface. Fertilizer application rate shall be 300 pounds per acre of 10-10-10 fertilizer.
3. Seed shall be Winter Rye, 112 LBS. per acre.
4. Remove stones and trash that will interfere with seeding the area. Where feasible, till the soil to a depth of about 3 inches to prepare a seedbed and mix fertilizer into the soil. The seedbed should be left in a firm and smooth condition. The last tillage operation should be performed across the slope whenever practical.
5. If seeding between May 15th and August 15th, hay mulch shall be applied immediately after seeding at a rate of 1.5 to 2 tons per acre and shall be held in place using appropriate techniques from the Erosion and Sediment Control Handbook.
6. The surface shall be watered and kept moist with a fine spray as required without washing away the soil, until the grass is well established. Any areas which are not satisfactorily covered with grass shall be reseeded, and all noxious weeds are removed.

B. Permanent Seeding & Hay Mulching

1. All disturbed areas shall be loamed (4") and limed. Lime shall be thoroughly incorporated into the loam layer at a rate of 2 tons per acre.
2. Fertilizer shall be spread on the top layer of loam and worked into then surface. Fertilizer application rate shall be 500 pounds per acre of 10-20-20 fertilizer.
3. Seed shall be 48 lbs. per acre, SCS mixture "c" (20 lbs tall fescue, 20 lbs. creeping red fescue and 8 lbs. birds foot trefoil = 48 lbs total). The soil shall be lightly raked immediately before seeding. One half the seed shall be sown in one direction and the other half at right angles to the original direction. It shall be lightly raked in to the soil to a depth not over 1/4 inch and rolled with hand roller weighing not over 100 pounds per linear foot and to width.
4. Hay mulch shall be applied immediately after seeding at a rate of 1.5 to 2 tons per acre and shall be held in place using appropriate techniques from the Erosion and Sediment Control Handbook. The surface shall be watered and kept moist with a fine spray as required, without washing away the soil, until the grass is well established. Any areas which are not satisfactorily covered with grass shall be reseeded, and all noxious weeds removed.

CONSTRUCTION SEQUENCE

1. Do not begin construction until all local, state and federal permits have been applied for and received.
2. Install silt fences filter sack as necessary to control erosion and prevent sediment contamination prior to any earth moving activities.
3. Cut and remove trees, shrubs, saplings, brush, vines and other debris and rubbish as specified for construction.
4. Care shall be taken to preserve the infiltration capacity of the infiltrating soil. See the New Hampshire Stormwater Manual for additional information.
5. Construct stormwater infiltration Bio #1 and Bio #2. Do not direct runoff to these practices until the practice and contributing areas are fully stabilized.
6. Building construction may begin.
7. Construct driveways, parking and utilities.
8. Loom and seed disturbed areas in accordance with vegetative practice and general construction notes. Cut and fill slopes shall be seeded immediately after their construction.
9. All areas receiving runoff, including but not limited to the stormwater infiltration shall be stabilized prior to directing runoff to them.
10. All soils that are finish graded must be stabilized within 72 hours of disturbance.
11. Maintain disturbed areas as necessary.

MAINTENANCE

- During the period of construction and/or until long term vegetation is established:
1. Seeded areas will be fertilized and reseeded as necessary to insure vegetative establishment.
 2. The side slopes will be checked after each significant rainfall.
 3. The side slopes will be checked weekly and repaired when necessary until adequate vegetation is established.
 4. The silt fence barriers will be checked regularly. Necessary repairs will be made to correct undermining or deterioration of the structures.

WINTER CONSTRUCTION NOTES

1. All proposed vegetated areas which do not exhibit a minimum of 85% vegetation growth by October 15th, or which are disturbed after October 15th, shall be stabilized by seeding and installing erosion control blankets on slopes greater than 3:1, and seeding and placing 3 to 4 tons of mulch per acre, secured with anchored raking, elsewhere. 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 melts.
2. All ditches or swales which do not exhibit a minimum of 85% vegetation 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 conditions.
3. After November 15th, incomplete areas shall be protected with a minimum of 3 inches of crushed gravel per MDOT item 304.3.

12 EROSION AND SEDIMENT CONTROL NOTES
NOV 12 2019

TRITECH
ENGINEERING CORPORATION

788 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
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REVISIONS	DATE	DESCRIPTION

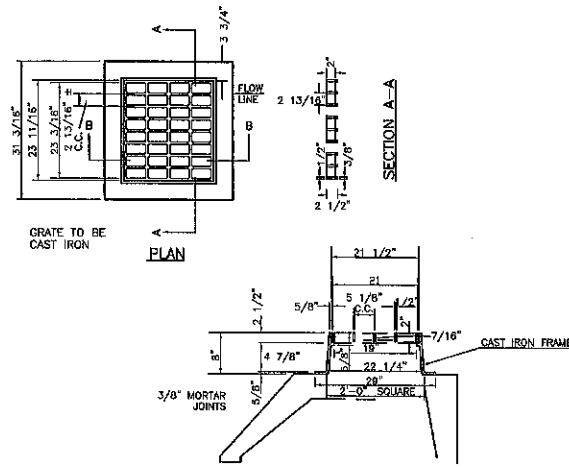
CONSTRUCTION DETAILS
BARRINGTON
STORAGE-OFFICE
ROUTE #125
BARRINGTON, NEW HAMPSHIRE

NOVEMBER 14, 2019 JOB No. 19107

SHEET NO.

SP-6

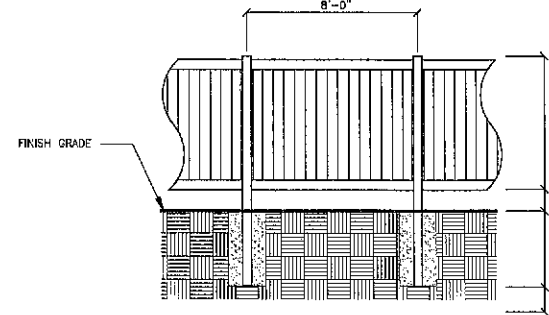
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NOTES
 1.) USE NEEHAH R-3570
 2.) FOR SHALLOW INVERTS, USE NEEHAH R-3570-A.

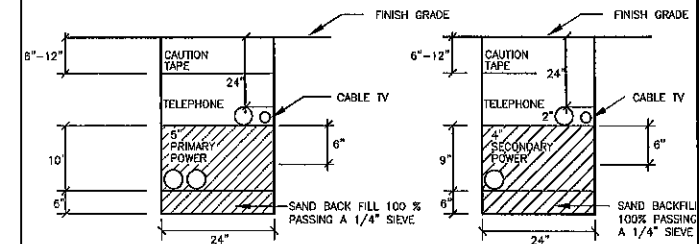
1 CATCH BASIN FRAME & GRATE
 NOT TO SCALE

2 NOT USED
 NOT TO SCALE



INSTALL 6' TALL VINYL FENCE
 POSTS SHALL BE EMBEDDED 36" MINIMUM

3 VINYL STOCKADE FENCE DETAIL
 NOT TO SCALE

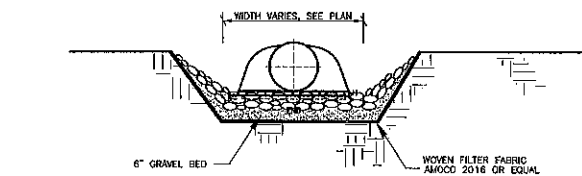
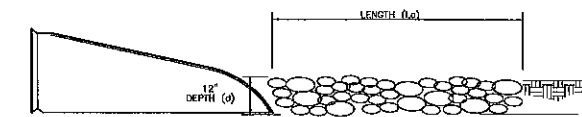
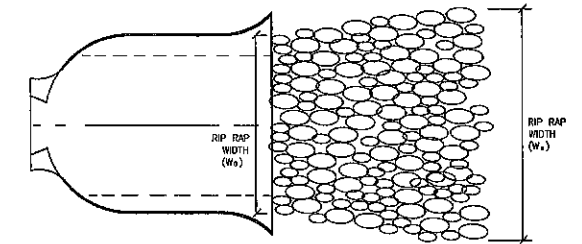


ELECTRICAL TRENCH "A"
 NOT TO SCALE

ELECTRICAL TRENCH "B"
 NOT TO SCALE

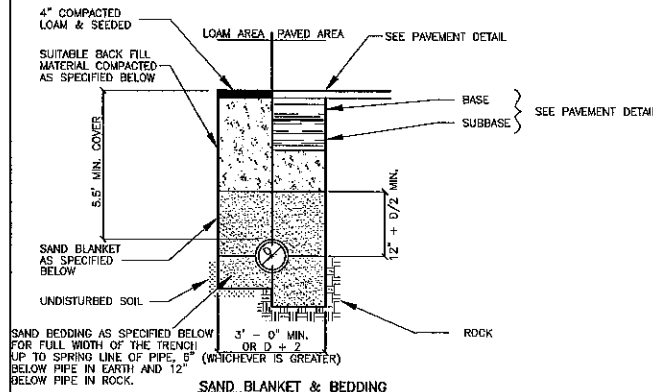
- 1.) TELEPHONE CONDUIT SHALL BE 3" SCHEDULE 40 PVC, WITH STEEL SWEEPS AT RISER POLE, 90° BENDS AND AT BUILDING.
- 2.) LEAVE PULL ROPE IN ALL CONDUITS FOR CABLE INSTALLATION.
- 3.) FOR COMPLETE SPECIFICATION SEE "PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE CONSTRUCTION SPECIFICATIONS FOR UNDERGROUND CONDUIT SYSTEMS".
- 4.) CONTRACTOR SHOULD VERIFY THE NUMBER & SIZE OF CONDUIT WITH THE APPROPRIATE UTILITIES.

4 ELECTRICAL TRENCH
 NOT TO SCALE



8 RIPRAP DETAIL
 NOT TO SCALE

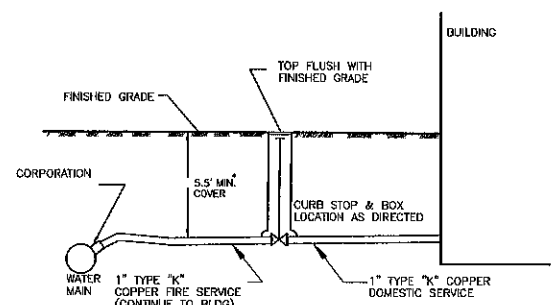
5 NOT USED
 NOT TO SCALE



BACK FILL MATERIAL BELOW PAVED OR CONCRETE AREAS, BEDDING MATERIAL, AND SAND BLANKET SHALL BE COMPACTED TO NOT LESS THAN 95% OF AASHTO T 99, METHOD C. SUITABLE BACK FILL MATERIAL BELOW LOAM AREAS SHALL BE COMPACTED TO NOT LESS THAN 90% OF AASHTO T 99, METHOD C.

6 WATER LINE TRENCH
 NOT TO SCALE

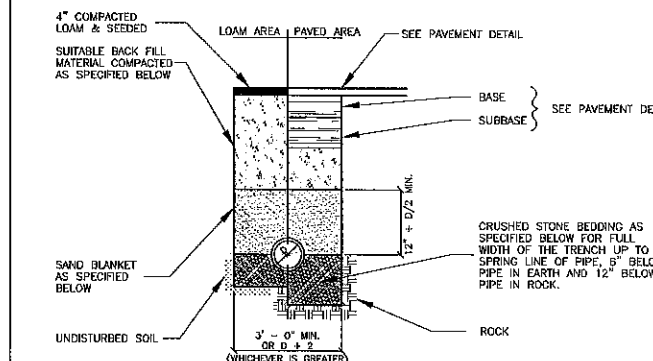
7 NOT USED
 NOT TO SCALE



- NOTES:**
- 1.) SERVICE TO BE TYPE "K" COPPER OR EQUAL APPROVED BY LOCAL AND STATE SPECIFICATIONS.
 - 2.) BALL VALVE CURB STOP COMPRESSION (NO DRAIN)
 - 3.) WATER SERVICE SIZE MAY BE MODIFIED AS WARRANTED BY FIRE SUPPRESSION SYSTEM DESIGN.

* USE 2" x 2" RIGID BOARD INSULATION OVER PIPE WHEN COVER REQUIREMENT CANNOT BE SATISFIED.

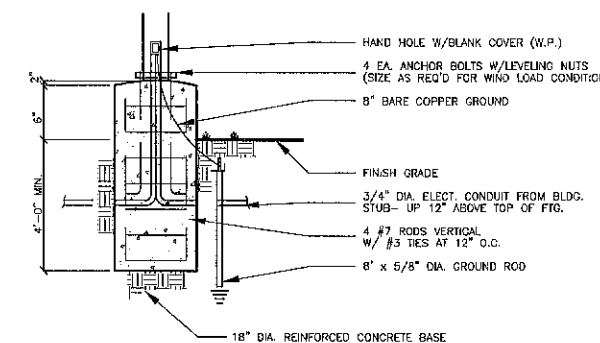
9 BUILDING WATER SERVICE
 NOT TO SCALE



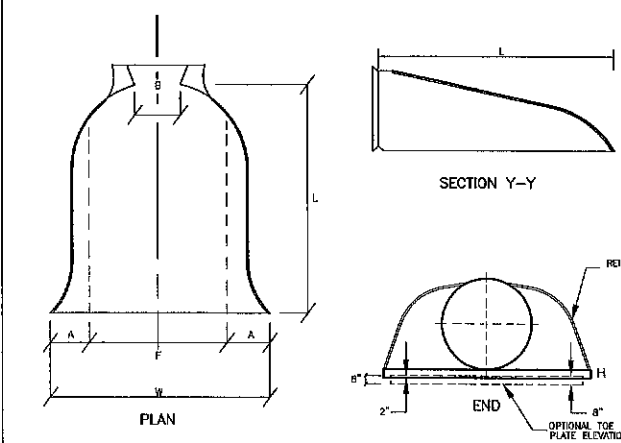
* EQUIVALENT TO STANDARD STONE SIZE #67 - SECTION 703 OF NHDOT STANDARD SPECIFICATIONS

BACK FILL MATERIAL BELOW PAVED OR CONCRETE AREAS, BEDDING MATERIAL, AND SAND BLANKET SHALL BE COMPACTED TO NOT LESS THAN 95% OF AASHTO T 99, METHOD C. SUITABLE BACK FILL MATERIAL BELOW LOAM AREAS SHALL BE COMPACTED TO NOT LESS THAN 90% OF AASHTO T 99, METHOD C.

10 STORM DRAINAGE & SEWER PIPE TRENCH
 NOT TO SCALE



11 SITE LIGHTING BASE
 NOT TO SCALE



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 NOT TO SCALE

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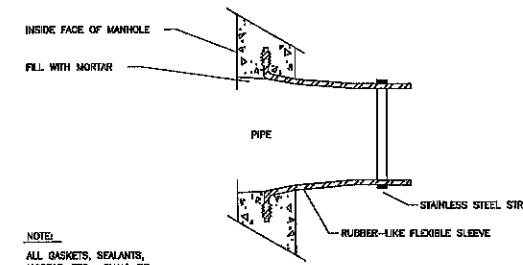
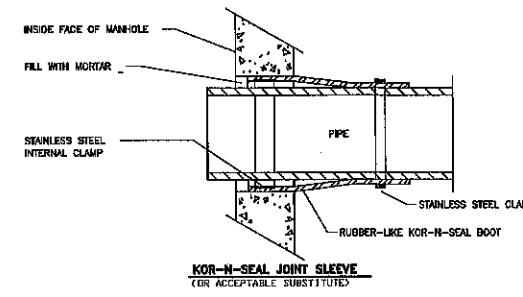
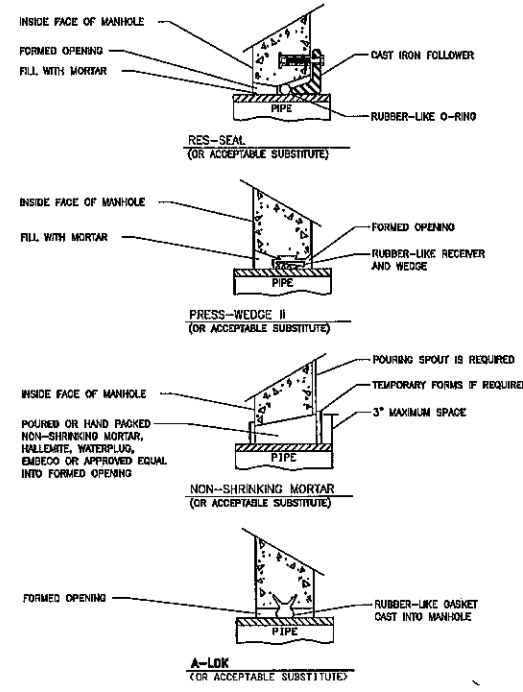
766 CENTRAL AVENUE
 DOWEN, NEW HAMPSHIRE 03820
 TELEPHONE 603 748 8907
 FAX 603 748 8930

REVISIONS	DESCRIPTION:
DATE:	

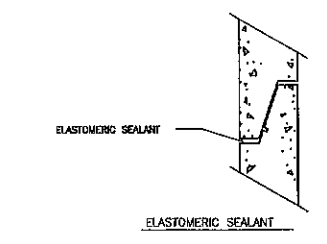
CONSTRUCTION DETAILS
BARRINGTON STORAGE-OFFICE
 ROUTE #125
 BARRINGTON, NEW HAMPSHIRE
 NOVEMBER 11, 2019 JOB No. 19107

SHEET NO.

SP-7

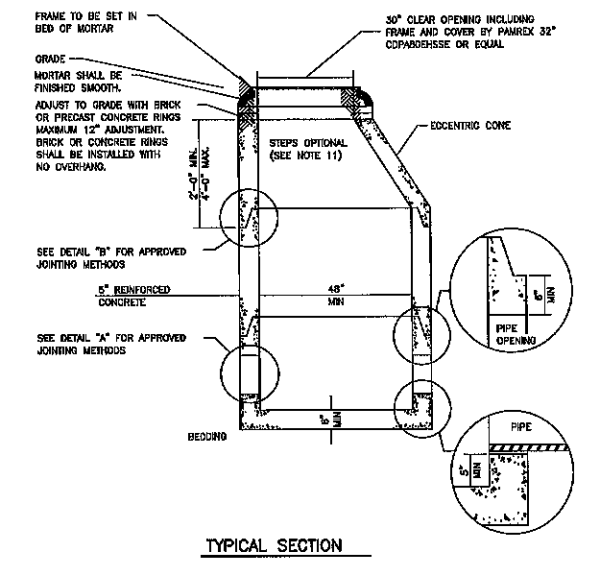


DETAIL "A" - PIPE TO MANHOLE JOINTS

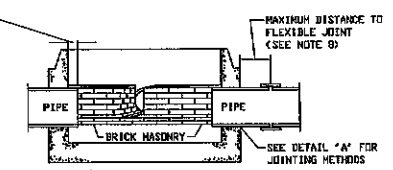
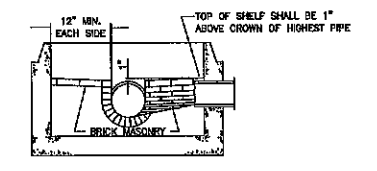


NOTE: ALL GASKETS AND SEALANTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' WRITTEN INSTRUCTIONS

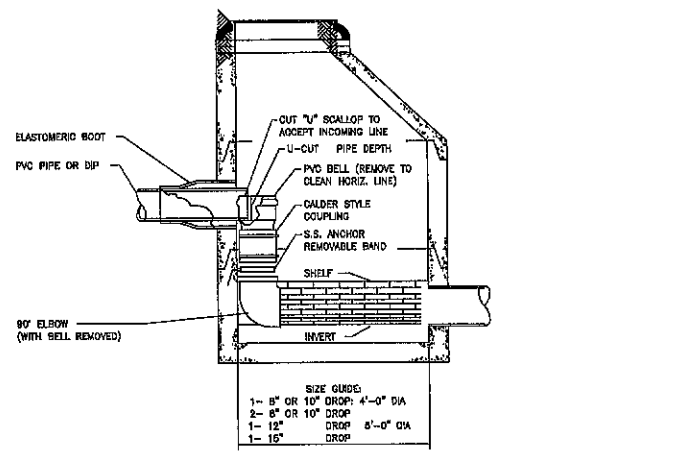
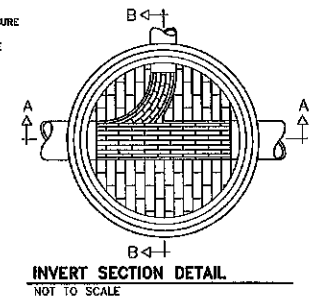
DETAIL "B" - HORIZONTAL JOINTS



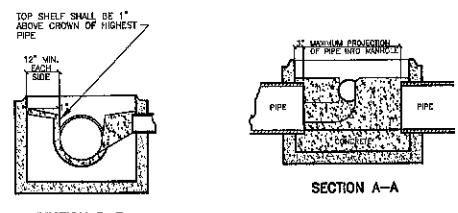
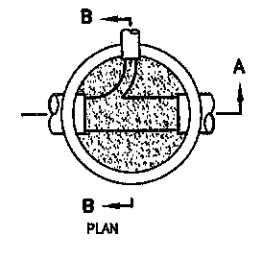
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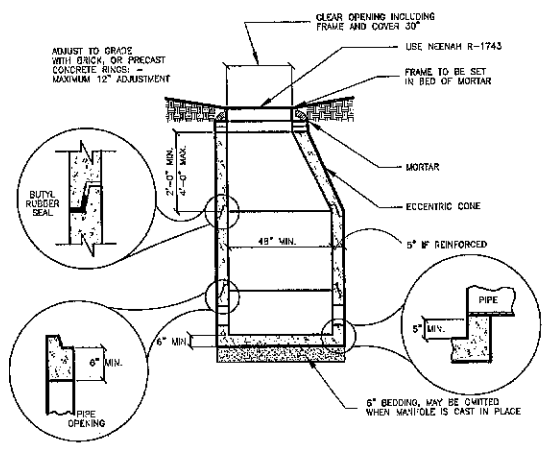
NOTES:
 A) INVERT AND SHELF TO BE PLACED AFTER LEAKAGE TEST
 B) CARE SHALL BE TAKEN TO INSURE THAT THE BRICK INVERT IS A SMOOTH CONTINUATION OF THE SEWER INVERT. INVERT BRICKS SHALL BE LAID ON EDGE.
 C) BASE SECTION TO BE FULL WALL THICKNESS AND MONOLITHIC TO A POINT 6" ABOVE THE PIPE CROWN



DROP INLET NOT TO SCALE



NOTE: CARE SHALL BE TAKEN TO INSURE THAT THE CONCRETE INVERT IS A SMOOTH CONTINUATION OF THE DRAIN INVERT.



1 DRAIN MANHOLE DETAILS NOT TO SCALE

GENERAL NOTES

- IT IS THE INTENTION THAT THE MANHOLE, INCLUDING ALL COMPONENT PARTS, HAVE ADEQUATE SPACE, STRENGTH AND LEAK PROOF QUALITIES CONSIDERED NECESSARY FOR THE INTENDED SERVICE. SPACE REQUIREMENTS AND CONFIGURATIONS, SHALL BE AS SHOWN ON THE DRAWING. MANHOLES SHALL BE AN ASSEMBLY OF PRECAST SECTIONS, WITH STEEL REINFORCEMENT, WITH ADEQUATE JOINTING, OR CONCRETE CAST MONOLITHICALLY IN PLACE WITH REINFORCEMENT. IN ANY APPROVED MANHOLE, THE COMPLETE STRUCTURE SHALL BE OF SUCH MATERIAL AND QUALITY AS TO WITHSTAND LOADS OF 8 TONS(H-20 LOADING) WITHOUT FAILURE AND PREVENT LEAKAGE IN EXCESS OF ONE GALLON PER DAY PER VERTICAL FOOT OF MANHOLE, CONTINUOUSLY FOR THE LIFE OF THE STRUCTURE. A PERIOD GENERALLY IN EXCESS OF 25 YEARS IS TO BE UNDERSTOOD IN BOTH CASES.
- BARRELS AND CONE SECTIONS SHALL BE PRECAST REINFORCED CONCRETE, OR POURED IN PLACE REINFORCED CONCRETE.
- PRECAST CONCRETE BARREL SECTIONS, CONES AND BASES SHALL CONFORM TO ASTM C478.
- LEAKAGE TEST SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS.
- INVERTS AND SHELVES: MANHOLES SHALL HAVE A BRICK PAVED OR PRECAST CONCRETE SHELF AND INVERT, CONSTRUCTED TO CONFORM TO THE SIZE OF THE PIPE AND FLOW. AT CHANGES IN DIRECTIONS, THE INVERTS SHALL BE LAID OUT IN CURVES OF THE LONGEST RADIUS POSSIBLE TANGENT TO THE CENTER LINE OF THE SEWER PIPES. SHELVES SHALL BE CONSTRUCTED TO THE ELEVATION OF THE HIGHEST PIPE CROWN AND SLOPE TO DRAIN TOWARD THE FLOWING THROUGH CHANNEL. UNDERLAYMENT OF INVERT AND SHELF SHALL CONSIST OF BRICK MASONRY OR PRECAST CONCRETE.
- FRAMES AND COVERS: MANHOLES FRAMES AND COVERS SHALL BE OF HEAVY DUTY DESIGN AND PROVIDE A 30-INCH CLEAR OPENING. A 3-INCH (MINIMUM HEIGHT) WORD "SEWER" FOR SEWERS AND "DRAIN" FOR DRAINS SHALL BE PLAINLY CAST INTO THE CENTER OF EACH COVER
- BEDDING: SCREENED GRAVEL AND/OR CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATTER AND MEETING ASTM C33, SIZE NUMBER 67.
 100% PASSING 1 INCH SCREEN 0-10% PASSING #4 SIEVE
 90-100% PASSING 1/2 INCH SCREEN 0-5% PASSING #8 SIEVE
 20-55% PASSING 1/4 INCH SCREEN
 WHERE ORDERED BY THE ENGINEER TO STABILIZE THE BASE, SCREENED GRAVEL OR CRUSHED STONE 1/2 INCH TO 1 INCH SHALL BE USED.
- FLEXIBLE JOINT: A FLEXIBLE JOINT SHALL BE PROVIDED WITHIN THE FOLLOWING DISTANCES: RCP & CI PIPE - ALL SIZES - 48"
- SHALLOW MANHOLE: IN LIEU OF A CONE SECTION, WHEN MANHOLE DEPTH IS LESS THAN 6 FEET, A REINFORCED CONCRETE SLAB COVER MAY BE USED HAVING AN ECCENTRIC ENTRANCE OPENING AND CAPABLE OF SUPPORTING H-20 LOADS.
- MANHOLE STEPS MAY BE PERMITTED UPON REQUEST BY THE OWNER AS SECONDARY ADDITIONAL SAFETY FEATURE SUPPLEMENTARY TO THE PRIMARY PORTABLE LADDER ENTRY AND WHEN INSTALLED UNDER THE FOLLOWING CONDITIONS:
 - THE STEPS SHALL BE MANUFACTURED OF PLASTIC COVERED STEEL. THEY SHALL BE SHAPED SO THEY CANNOT BE PULLED OUT OF THE CONCRETE WALL IN WHICH THEY ARE EMBEDDED.
 - THE STEPS SHALL BE EMBEDDED IN THE CONCRETE BY THE MANUFACTURER DURING MANUFACTURE OR IMMEDIATELY FOLLOWING REMOVAL OF FORMS. SECURING THE STEPS WITH MORTAR IN DRILLED OR CAST HOLES, WILL NOT BE ACCEPTABLE.
 - THE STEPS SHALL BE OF THE DROP TYPE WITH A DEPRESSED SECTION FOR HANDHOLD. APPROXIMATELY 14"x10" IN DIMENSION.
- HORIZONTAL JOINTS BETWEEN SECTIONS OF PRECAST CONCRETE BARRELS SHALL BE OF A TYPE APPROVED BY THE ENGINEER, WHICH TYPE SHALL, IN GENERAL, DEPEND FOR WATERTIGHTNESS UPON AN ELASTOMERIC OR MASTIC-LIKE GASKET. APPROVED ELASTOMERIC SEALANTS ARE: RAM-NEK KENT SEAL NO.2 EZ
- PIPE TO MANHOLE JOINTS SHALL BE ONLY AS APPROVED BY THE ENGINEER AND IN GENERAL, WILL DEPEND FOR WATERTIGHTNESS UPON EITHER AN APPROVED NON-SHRINKING MORTAR OR ELASTOMERIC SEALANT.

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NOV 12 2019

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TRITECH
ENGINEERING CORPORATION

705 CENTRAL AVENUE
 COVER NEW HAMPSHIRE 03880
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REVISIONS	DATE	DESCRIPTION

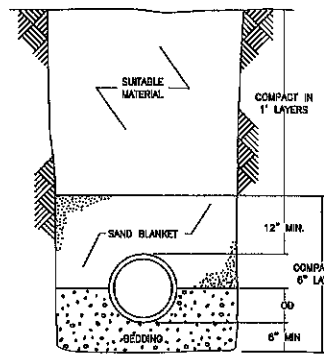
SEWER DETAILS
BARRINGTON STORAGE-OFFICE

ROUTE #125
 BARRINGTON, NEW HAMPSHIRE
 NOVEMBER 11, 2019

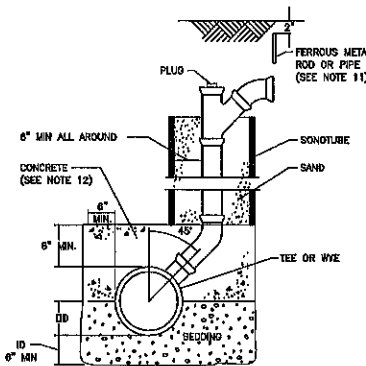
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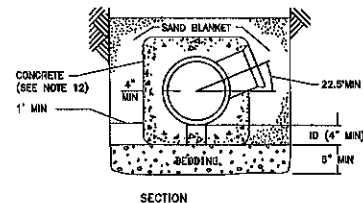
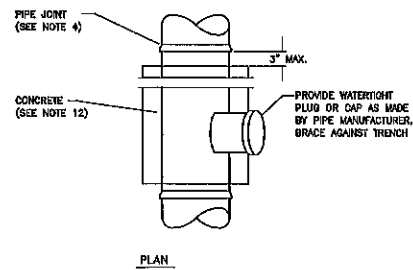
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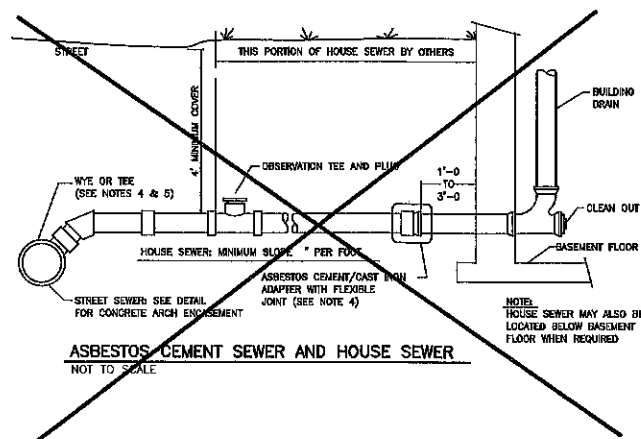
TRENCH CROSS-SECTION
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CHIMNEY (SEE NOTE 13)
NOT TO SCALE

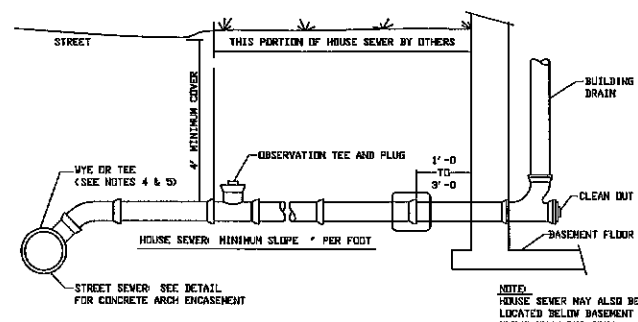


CONCRETE FULL ENCASUREMENT
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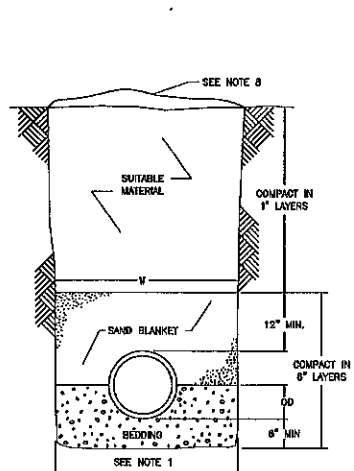


ASBESTOS CEMENT SEWER AND HOUSE SEWER
NOT TO SCALE

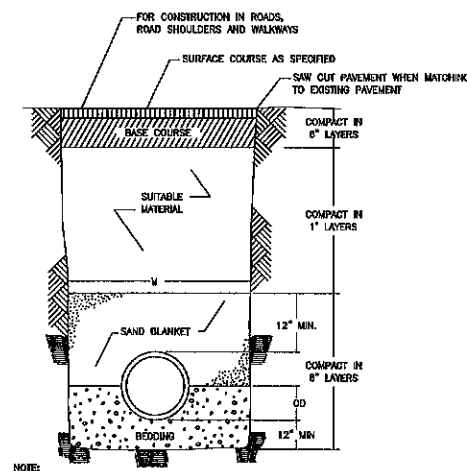
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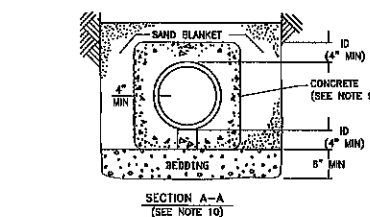
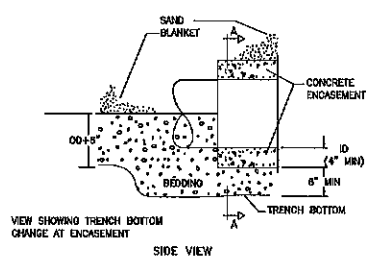
SEWER AND HOUSE SEWER
NOT TO SCALE



TYPICAL SECTION
NOT TO SCALE



LEDGE CONSTRUCTION
NOT TO SCALE



CONCRETE FULL ENCASUREMENT
NOT TO SCALE

GENERAL NOTES

- MINIMUM SIZE PIPE FOR HOUSE SERVICE SHALL BE FOUR INCHES.
 - PIPE AND JOINT MATERIALS:
 - PLASTIC SEWER PIPE
 - PIPE AND FITTINGS SHALL CONFORM TO THE FOLLOWING ASTM STANDARDS:

ASTM STANDARDS	GENERIC PIPE MATERIAL	SIZES APPROVED
D3034	*PVC (SOLID WALL)	8" THROUGH 15" (SDR 35)
F879	PVC (SOLID WALL)	18" THROUGH 27" (T-1 & T-2)
F789	PVC (SOLID WALL)	4" THROUGH 18" (T-1 TO T-3)
F794	PVC (RIBBED WALL)	8" THROUGH 36"
D2680	*ABS (COMPOSITES WALL)	8" THROUGH 15"

*PVC: POLY VINYL CHLORIDE
*ABS: ACRYLONITRILE-BUTADIENE-STYRENE
 - JOINTS SEALS FOR PVC PIPE SHALL BE OIL RESISTANT COMPRESSION RINGS OF ELASTOMERIC MATERIAL CONFORMING TO ASTM D-3212 AND SHALL BE PUSH-ON, BELL AND SPIGOT TYPE.
 - ABS TRUSS PIPE AND FITTINGS SHALL CONFORM TO ASTM D-2880, POLYMER COMPOUNDING SHALL BE TO ASTM D-1788 (CLASS 322).
 - JOINTS FOR ABS TRUSS PIPE SHALL BE CHEMICAL WELDED COUPLINGS TYPE SC IN ACCORDANCE WITH ASTM D-2880, FORMING A CHEMICAL WELDED JOINT.
 - DUCTILE-IRON PIPE, FITTINGS AND JOINTS.
 - DUCTILE IRON PIPE AND FITTINGS SHALL CONFORM TO THE FOLLOWING STANDARDS OF THE UNITED STATES OF AMERICA STANDARDS INSTITUTE:
 - A21.50 THICKNESS DESIGN OF DUCTILE IRON PIPE AND WITH ASTM A-538 DUCTILE IRON CASTINGS.
 - A21.51 DUCTILE IRON PIPE, CENTRIFUGALLY CAST IN METAL MOLDS OR SAND-LINED MOLDS FOR WATER OR OTHER LIQUIDS.
 - JOINTS SHALL BE OF THE MECHANICAL OR PUSH-ON TYPE. JOINTS AND GASKETS SHALL CONFORM TO:
 - A21.11 RUBBER GASKETS JOINTS FOR CAST IRON PRESSURE PIPE & FITTINGS
 - DAMAGED PIPE SHALL BE REJECTED AND REMOVED FROM THE JOB SITE.
 - JOINTS SHALL BE DEPENDENT UPON A NEOPRENE OR ELASTOMERIC GASKET FOR WATER-TIGHTNESS. ALL JOINTS SHALL BE PROPERLY MATCHED WITH THE PIPE MATERIALS USED. WHERE DIFFERING MATERIALS ARE TO BE CONNECTED, AS AT THE STREET SEWER WYE OR AT THE FOUNDATION WALL, APPROPRIATE MANUFACTURED ADAPTERS SHALL BE USED.
 - TEES AND WYES: WHERE A TEE OR WYE IS NOT AVAILABLE IN THE EXISTING STREET SEWER, AN APPROPRIATE CONNECTION SHALL BE MADE, FOLLOWING MANUFACTURERS' INSTRUCTIONS USING A BOLTED, CLAMPED OR EPOXY-CEMENTED SADDLE TAPPED INTO A SMOOTHLY DRILLED OR SAWN OPENING IN THE SEWER. THE PRACTICE OF BREAKING AN OPENING WITH A SLEDGE HAMMER, STUFFING CLOTH OR OTHER SUCH MATERIAL AROUND THE JOINT, OR APPLYING MORTAR TO HOLD THE CONNECTION, AND ANY OTHER SIMILAR CRUDE PRACTICES OR INEPT OR HASTY IMPROVISATIONS WILL NOT BE PERMITTED. THE CONNECTION SHALL BE CONCRETE ENCASED AS SHOWN IN THE DETAIL UP TO AND INCLUDING 15" DIAMETER.
 - HOUSE SEWER INSTALLATION: THE PIPE SHALL BE HANDLED, PLACED AND JOINTED IN ACCORDANCE WITH INSTALLATION GUIDES OF THE APPROPRIATE MANUFACTURER. IT SHALL BE CAREFULLY BEDDED ON A 4" INCH LAYER OF CRUSHED STONE AND/OR GRAVEL AS SPECIFIED IN NOTE 10. BEDDING AND RE-FILL FOR DEPTH OF 12" INCHES ABOVE THE TOP OF THE PIPE SHALL BE CAREFULLY AND THOROUGHLY TAMPED BY HAND OR WITH APPROPRIATE MECHANICAL DEVICES.
- THE PIPE SHALL BE LAID AT A CONTINUOUS AND CONSTANT GRADE FROM THE STREET SEWER CONNECTION TO THE FOUNDATION AT A GRADE OF NOT LESS THAN 1/4" PER FOOT. PIPE JOINTS MUST BE MADE UNDER DRY CONDITIONS. IF WATER IS PRESENT, ALL NECESSARY STEPS SHALL BE TAKEN TO DEWATER THE TRENCH.

GENERAL NOTES

- ORDERED EXCAVATION OF UNSUITABLE MATERIAL BELOW GRADE. REFILL WITH BEDDING MATERIAL. FOR TRENCH WIDTH SEE NOTE 7.
- BEDDING: SCREENED GRAVEL AND/OR CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATTER AND MEETING ASTM C33 STONE SIZE NO. 87.

PERCENT PASSING	SCREEN SIZE
100%	1" INCH SCREEN
90%-100%	3/4" INCH SCREEN
20%-55%	3/8" INCH SCREEN
0%-10%	#4 SIEVE
0%-5%	#8 SIEVE

WHERE ORDERED BY THE ENGINEER TO STABILIZE THE TRENCH BASE, GRADED SCREENED GRAVEL OR CRUSHED STONE 1/2" INCH TO 1 1/2" INCH SHALL BE USED.
- SAND BLANKET: CLEAN SAND FREE FROM ORGANIC MATTER SO GRADED THAT 90%-100% PASSES A 1/2" INCH SIEVE AND NOT MORE THAN 15% WILL PASS A #200 SIEVE. BLANKET MAY BE OMITTED FOR DUCTILE IRON AND REINFORCED CONCRETE PIPE PROVIDED THAT NO STONE LARGER THAN 2" INCHES IS IN CONTACT WITH THE PIPE.
- SUITABLE MATERIAL: IN ROADS, ROAD SHOULDERS, WALK-WAYS AND TRAVELED WAYS, SUITABLE MATERIAL FOR TRENCH BACKFILL SHALL BE THE NATURAL MATERIAL EXCAVATED DURING THE COURSE OF CONSTRUCTION, BUT SHALL EXCLUDE DEBRIS, PIECES OF PAVEMENT, ORGANIC MATTER, TOP SOIL, ALL WET OR SOFT MUCK, PEAT OR CLAY, ALL EXCAVATED LEDGE MATERIAL, AND ALL ROCKS OVER SIX INCHES IN LARGEST DIMENSION, OR ANY MATERIAL WHICH, AS DETERMINED BY THE ENGINEER, WILL NOT PROVIDE SUFFICIENT SUPPORT OR MAINTAIN THE COMPLETED CONSTRUCTION IN A STABLE CONDITION.
- CROSS-COUNTRY CONSTRUCTION: SUITABLE MATERIAL SHALL BE AS DESCRIBED ABOVE, EXCEPT THAT THE ENGINEER MAY PERMIT THE USE OF TOP SOIL, LOAM, MUCK OR PEAT, IF HE IS SATISFIED THAT THE COMPLETED CONSTRUCTION WILL BE ENTIRELY STABLE AND PROVIDED THAT EASY ACCESS TO THE SEWER FOR MAINTENANCE AND POSSIBLY RECONSTRUCTION, WHEN NECESSARY WILL BE PRESERVED.
- BASE COURSE: IF ORDERED BY THE ENGINEER, SHALL MEET THE REQUIREMENTS OF DIVISION 300 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE OF NEW HAMPSHIRE, DEPARTMENT OF TRANSPORTATION.

- TESTING: THE COMPLETED HOUSE SEWER SHALL BE SUBJECTED TO A LEAKAGE TEST IN ANY OF THE FOLLOWING MANNERS: (PRIOR TO BACKFILLING)
 - AN OBSERVATION TEE SHALL BE INSTALLED AS SHOWN AND WHEN READY FOR TESTING, AN INFLATABLE BLADDER OR PLUG SHALL BE INSERTED JUST UPSTREAM FROM THE OPENING IN THE TEE. AFTER INFLATION, WATER SHALL BE INTRODUCED INTO THE SYSTEM ABOVE THE PLUG TO A HEIGHT OF 5 FEET ABOVE THE LEVEL OF THE PLUG.
 - THE PIPE SHALL BE LEFT EXPOSED AND LIBERALLY HOSED WITH WATER, TO SIMULATE AS NEARLY AS POSSIBLE, WET TRENCH CONDITIONS OR, IF TRENCH IS WET, THE GROUND WATER SHALL BE PERMITTED TO RISE IN THE TRENCH OVER THE PIPE. INSPECTIONS FOR LEAKS SHALL BE MADE THROUGH THE CLEANOUT WITH A FLASHLIGHT.
 - DRY FLUORESCENCE DYE SHALL BE SPRINKLED INTO THE TRENCH OVER THE PIPE. IF THE TRENCH IS DRY, THE PIPE SHALL BE LIBERALLY HOSED WITH WATER, OR IF THE TRENCH IS WET, GROUND WATER SHALL BE PERMITTED TO RISE IN THE TRENCH OVER THE PIPE. OBSERVATION FOR LEAKS SHALL BE MADE IN THE FIRST DOWN-STREAM MANHOLE.

LEAKAGE OBSERVED IN ANY ONE OF THE ABOVE ALTERNATE TESTS SHALL BE CAUSE FOR NON-ACCEPTANCE AND THE PIPE SHALL BE DUG-UP IF NECESSARY AND RE-LAID SO AS TO ASSURE WATER TIGHTNESS.
- ILLEGAL CONNECTIONS: NOTHING BUT SANITARY WASTE FLOW FROM HOUSE TOILETS, SINKS, LAUNDRY ETC. SHALL BE PERMITTED. ROOF LEADERS, FOOTING DRAINS, SUMP PUMPS OR OTHER SIMILAR CONNECTIONS CARRYING RAIN WATER, DRAINAGE OR GROUND WATER SHALL NOT BE PERMITTED.
- HOUSE WATER SERVICE SHALL NOT BE LAID IN SAME TRENCH AS SEWER SERVICE.
- BEDDING: SCREENED GRAVEL AND/OR CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATERIAL AND MEETING ASTM C33-87.

PERCENT PASSING	SCREEN SIZE
100%	1" INCH SCREEN
90%-100%	3/4" INCH SCREEN
20%-55%	3/8" INCH SCREEN
0%-10%	#4 SIEVE
0%-5%	#8 SIEVE

WHERE ORDERED BY THE ENGINEER TO STABILIZE THE TRENCH BASE, SCREENED GRAVEL OR CRUSHED STONE 1/2" INCH TO 1 1/2" INCH SHALL BE USED.
- LOCATION: THE LOCATION OF THE TEE OR WYE SHALL BE RECORDED AND FILED IN THE MUNICIPAL RECORDS. IN ADDITION, A FERRUGINOUS METAL ROD OR PIPE SHALL BE PLACED OVER THE TEE OR WYE AS DESCRIBED IN THE TYPICAL "CHIMNEY" DETAIL, TO AID IN LOCATING THE BURIED PIPE WITH A DIP NEEDLE OR PIPEFINDER.
- CONCRETE: CONCRETE SHALL CONFORM TO THE REQUIREMENTS FOR CLASS A (3000 PSI) CONCRETE OF THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARDS SPECIFICATIONS AS FOLLOWS:
 - CEMENT: 6.0 BAGS PER CUBIC YARD
 - WATER: 5.75 GALLONS PER BAG CEMENT
 - MAXIMUM SIZE OF AGGREGATE: 1" INCH
- CHIMNEYS: IF VERTICAL DROP INTO SEWER IS GREATER THAN 4 FEET, A CHIMNEY SHALL BE CONSTRUCTED FOR THE HOUSE CONNECTION. CHIMNEY INSTALLATION AS RECOMMENDED BY THE PIPE MANUFACTURER MAY BE USED IF APPROVED BY THE ENGINEER.
- MAINTAIN A 10" HORIZONTAL SEPARATION BETWEEN SEWER LINES AND WATER LINES, AND AN 18" VERTICAL SEPARATION AT SEWER AND WATER CROSSINGS, WITH WATER OVER SEWER.

- WOOD SHEETING, IF REQUIRED, WHERE SHEETING IS PLACED ALONGSIDE THE PIPE AND EXTENDS BELOW MID-DIAMETER, IT SHALL BE CUT OFF AND LEFT IN PLACE TO AN ELEVATION NOT LESS THAN 1 FOOT ABOVE THE TOP OF THE PIPE. WHERE SHEETING IS ORDERED BY THE ENGINEER TO BE LEFT IN PLACE, IT SHALL BE CUT OFF AT LEAST 3 FEET BELOW FINISHED GRADE, BUT NOT LESS THAN 1 FOOT ABOVE THE TOP OF THE PIPE.
- W= MAXIMUM ALLOWABLE TRENCH WIDTH TO A PLANE 12 INCHES ABOVE THE PIPE. FOR PIPES 15 INCHES NOMINAL DIAMETER OR LESS, W SHALL BE NO MORE THAN 36 INCHES, FOR PIPES GREATER THAN 15 INCHES NOMINAL DIAMETER, W SHALL BE 24 INCHES PLUS PIPE O.D. W SHALL ALSO BE THE PAYMENT WIDTH FOR LEDGE EXCAVATION AND FOR ORDERED EXCAVATION BELOW GRADE.
- FOR CROSS COUNTRY CONSTRUCTION, BACKFILL OR FILL SHALL BE MOUND TO A HEIGHT OF 6 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
- CONCRETE FOR ENCASUREMENT SHALL CONFORM TO THE REQUIREMENTS FOR CLASS A (3000 LB) CONCRETE OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AS FOLLOWS: CEMENT: 6.0 BAGS PER CUBIC YARD
WATER: 5.75 GALLONS PER BAG CEMENT
MAXIMUM SIZE OF AGGREGATE: 1" INCH
- IF FULL ENCASUREMENT IS UTILIZED, DEPTH OF CONCRETE BELOW PIPE SHALL BE 1/4" I.D. (4" MIN.) BLOCK SUPPORT SHALL BE SOLID CONCRETE BLOCKS.

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NOV 12 2019

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TRITECH
ENGINEERING CORPORATION

756 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03820
TELEPHONE 603 748 8707
FAX 603 748 9830

REVISIONS DATE:	DESCRIPTION:

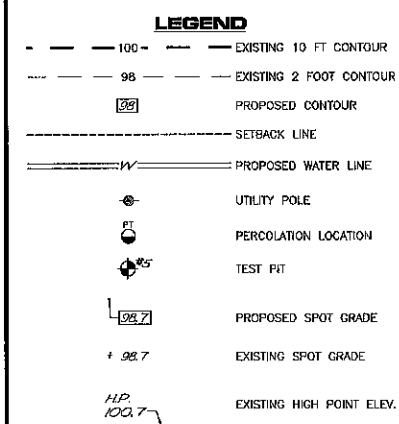
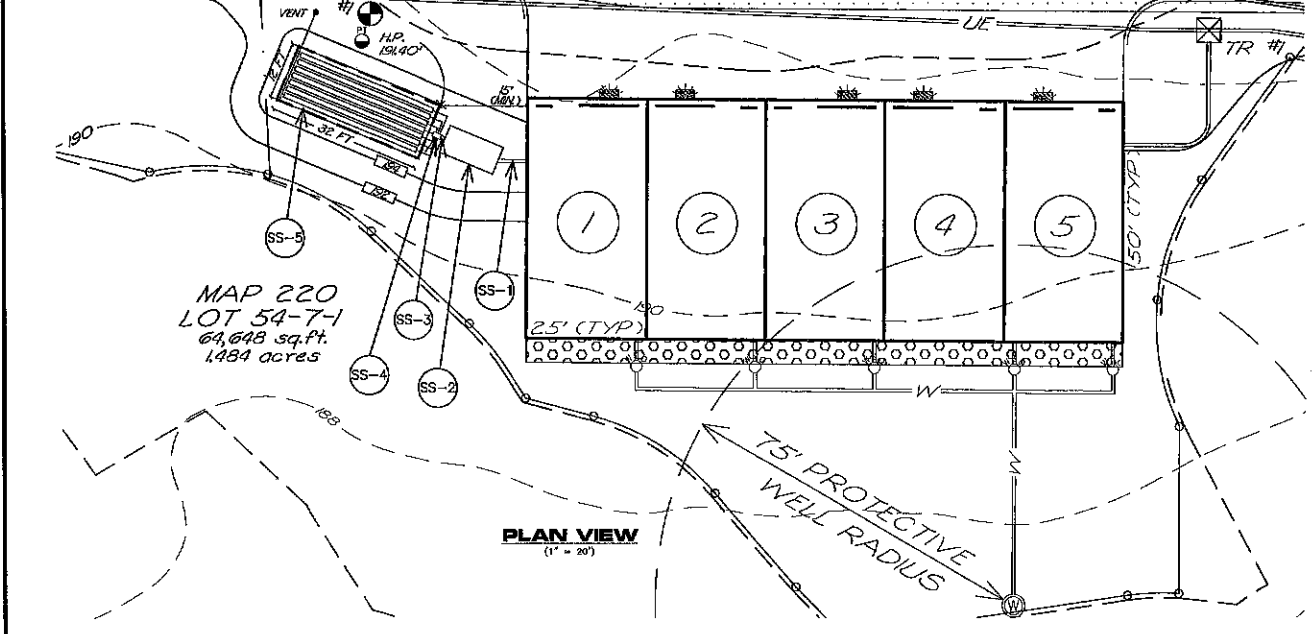
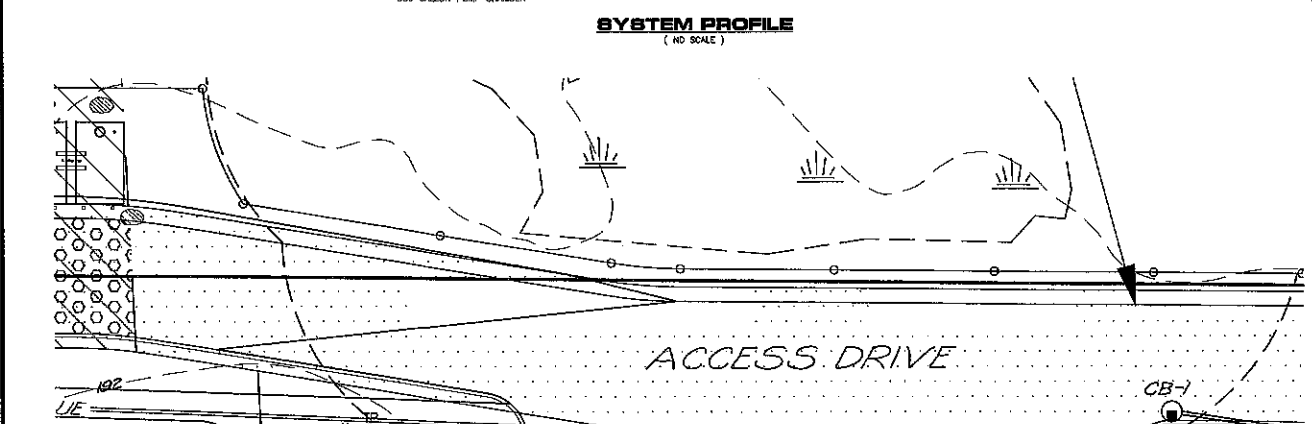
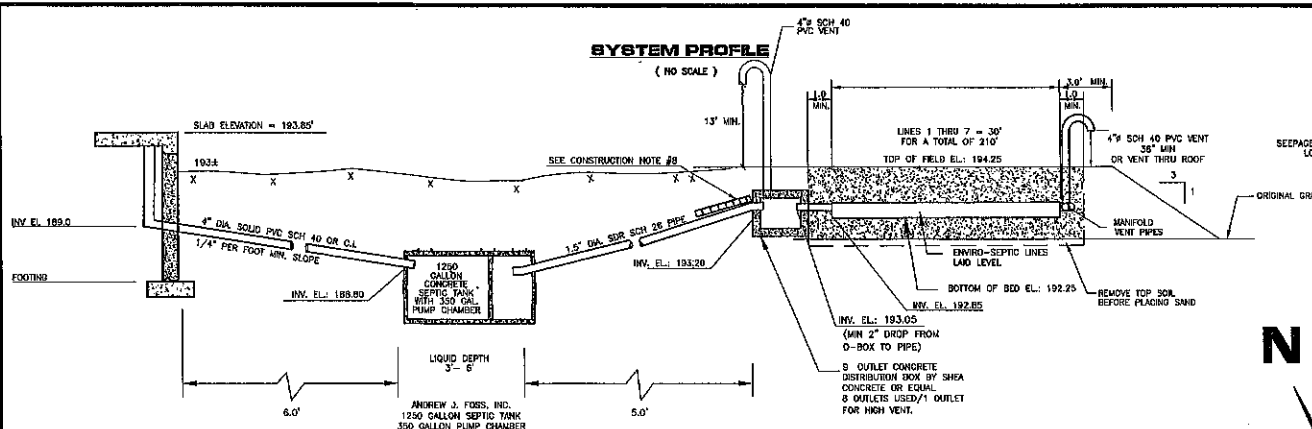
SEWER DETAILS
BARRINGTON
STORAGE-OFFICE

ROUTE #125
BARRINGTON, NEW HAMPSHIRE

NOVEMBER 11, 2019 JOB No. 19107

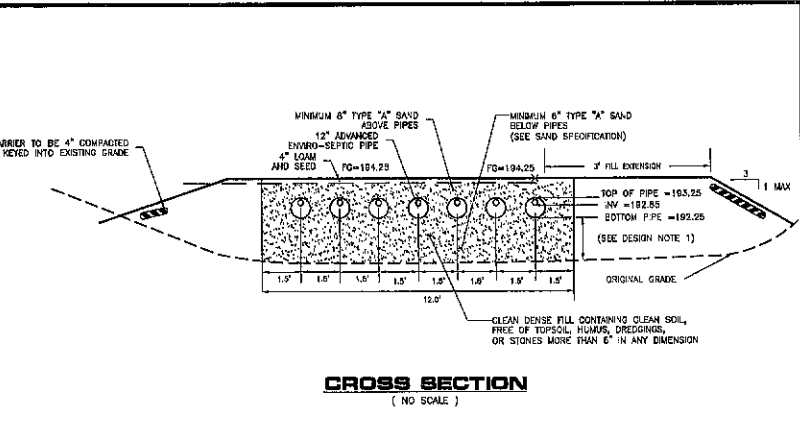
SHEET NO.

SP-9



SAND SPECIFICATIONS

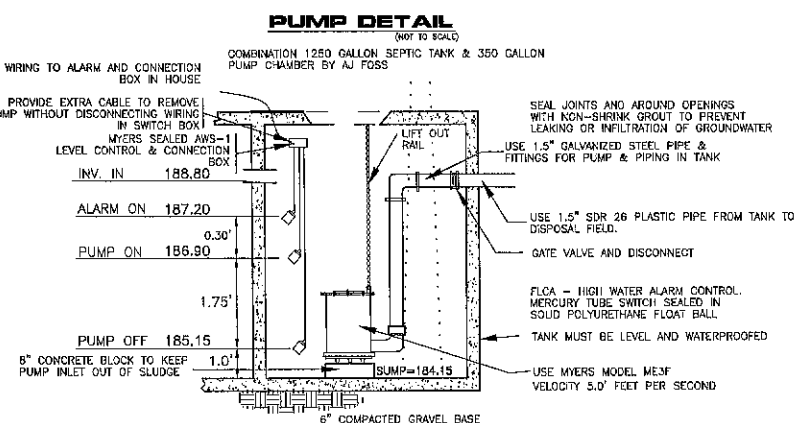
Sieve Size	ASTM C-33 fine aggregate	AES & ES Specifications
3/4"	100% passing	0% retained
3/8"	100% passing	"Gravel"
#4	95-100% passing	
#8	80-100% passing	
#10		<35% retained
#16	50-85% passing	"Coarse to Very Coarse Sand"
#30	25-60% passing	
#35		40-90% retained
#40		
#50	5-30% passing	
#100	0-10% passing	
#200		"Fines" (silt & clay) <2% passes - CRITICAL



TEST PIT #1
DATE: JULY 30, 2019

DEPTH	DESCRIPTION
0" - 7"	DARK BROWN (10YR 4/3) FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRIABLE.
7" - 14"	DARK YELLOWISH BROWN (10YR 4/6) SANDY LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRIABLE.
14" - 30"	OLIVE GRAY (2.5Y 5/2) SILT LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; MODERATE MEDIUM BLOCKY STRUCTURE; MOIST, FIRM.
30" - 54"	OLIVE GRAY (5Y 5/3) SILTY CLAY LOAM; MANY REDOX DEPLETIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, VERY FIRM.

ESTIMATED WATER TABLE: 14" - REDOX FEATURES
OBSERVED WATER TABLE: 50"
RESTRICTIVE LAYER: 30"
BEDROCK REFUSAL: NONE
SOIL SERIES: ELDRIDGE
HYDROLOGIC SOIL GROUP: 3

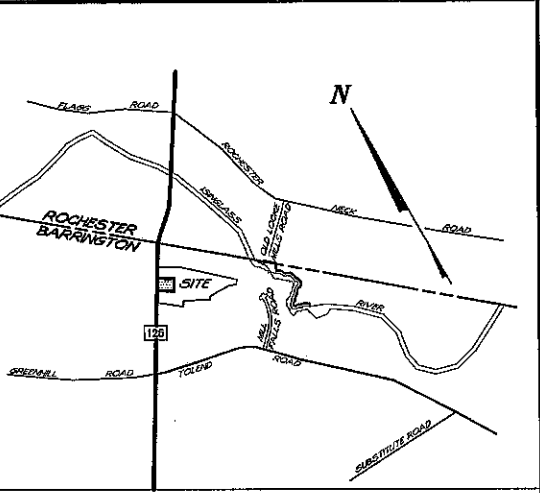


PUMP REQUIREMENTS
PUMP TO BE CAPABLE OF 42 GPM AND A TOTAL HEAD OF 16.0 FT
H VERTICAL + H FRICTION = H TOTAL
0.05 + 8.5 = 16.0 FEET
PUMP MODEL: MEYERS MODEL ME3F

DOSE REQUIREMENTS
FLOAT SET TO DOSE AT 150 GALS. PER CYCLE.
1 FT. DRAW DOWN = 85 GALS.
PUMP SET TO DOSE 3 TIMES PER DAY
APPROX. RUNNING TIME 3.2 MIN. PER CYCLE WITH SPECIFIED PUMP.
(RUNNING TIME TO BE NO LESS THAN 3 MIN. AND NOT TO EXCEED 10 MIN.)

SEPTIC NOTES:

- INSTALL 6 FEET OF 4" SEWER PIPE.
- INSTALL COMBINATION 1,250 GALLON CONCRETE SEPTIC TANK & 350 GALLON PUMP CHAMBER BY AJ FOSS
- INSTALL PUMP DISCHARGE PIPE.
- INSTALL SHEA CONCRETE, 9 OUTLET DISTRIBUTION BOX OR EQUAL.
- INSTALL 32' x 12' ADVANCED ENVIRO-SEPTIC (AES), 7 PIPES, 30 FEET LONG



FROM ROUTE 125 NORTH TO ROUTE 125/GREENHILL ROAD INTERSECTION. CONTINUE 1,500 FEET. SITE IS ON THE RIGHT.
LOCUS (NOT TO SCALE)

- DESIGN NOTES**
- DESIGN INTENT:
a) EXISTING GRADE AT THE HIGH POINT OF THE SYSTEM IS ELEV 191.40'
b) ESTIMATED SEASONAL HIGH WATER TABLE IN TEST PIT #1 IS 14"
c) BOTTOM OF AES PIPE TO BE INSTALLED AT ELEV. 192.25'
d) PROVIDING 24" OF SEPARATION TO EXIST. (24" REQUIRED)
e) BOTTOM OF AES PIPE TO BE INSTALLED 10' ABOVE EXISTING GRADE AT THE HIGH POINT OF THE SYSTEM.
 - PERCOLATION TEST: DATE: JULY 30, 2019
DEPTH: 24" INCHES
RATE: 14 MINUTES PER INCH
 - DESIGN FLOW DATA: 300 GPD (MIN ALLOWABLE FLOW)
 - BED SIZE: 210 LINEAR FEET REQUIRED, 7 PIPES x 30' PROVIDED = 210 LINEAR FEET PROVIDED
 - STRAFFORD COUNTY SOIL CLASSIFICATION: ELDRIDGE
 - LOT SERVICED BY MUNICIPAL WATER SERVICE.
 - NO EXPOSED LEDGE WITHIN 75' OF SYSTEM.
 - FOUNDATION DRAINS ARE PERMITTED 15' FROM PROPOSED LEACH FIELD AND 5' FROM PROPOSED SEPTIC TANK. A SOLID FOUNDATION DRAIN LINE IS PERMITTED 5' FROM LEACH FIELD.
 - IF FAILURE OCCURS SYSTEM MAY HAVE TO BE REBUILT IN PLACE.
 - NO SURFACE WATER WITHIN 75' OF SYSTEM.
 - A GARBAGE DISPOSAL IS NOT PERMITTED.
 - WATER SOFTENER IS NOT PERMITTED
 - LARGE WHIRLPOOLS OR HOT TUBS ARE NOT RECOMMENDED.
 - HIDES SUBDIVISION APPROVAL NUMBER:

- CONSTRUCTION NOTES**
- THIS SUBSURFACE DISPOSAL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE RULES, REGULATIONS, STANDARDS AND PRACTICES OF THE NEW HAMPSHIRE WATER SUPPLY AND POLLUTION CONTROL DIVISION (NHWSPOD). CONSTRUCTION MUST BE DONE IN ACCORDANCE WITH THIS PLAN AND THE CONSTRUCTION CRITERIA OF NHWSPOD. IN ADDITION, THE INSTALLER MUST HOLD A VALID INSTALLER'S PERMIT FROM NHWSPOD. BEFORE BACKFILLING OR COVERING THE INSTALLED COMPONENTS, THE INSTALLER MUST NOTIFY THE NHWSPOD FOR INSPECTION.
 - UNLESS NOTED OTHERWISE, SEPTIC TANK AND DISTRIBUTION BOXES ARE TO BE PRE-CAST CONCRETE, AND ARE TO BE SET ON FIRMLY COMPACTED GROUND. PIPE CONNECTIONS AT INLET AND OUTLET SHALL BE TIGHTLY SEALED WITH CEMENT TYPE MORTAR, SUCH AS WATERLOK. SEPTIC TANK AND DISTRIBUTION BOXES SHALL HAVE INLET BAFFLES CAST IN. OUTLETS SHALL BE "WATER LEVELED" TO ENSURE EQUAL OUTLET DISTRIBUTION. INSULATE AS DETAILED.
 - SEWER PIPE FROM BUILDING TO SEPTIC TANK SHALL BE CAST IRON OR SCHEDULE 40 SOLVENT WELDED PLASTIC PIPE. EFFLUENT PIPE FROM SEPTIC TANK TO LEACH FIELD SHALL BE FRICTION JOINT RIGID PLASTIC PIPE UNLESS NOTED OTHERWISE. LEACHING BED LATERAL PIPES SHALL BE PERFORATED RIGID PLASTIC PIPE WITH FRICTION TYPE COLLARS, ELL OR TEES, ALL ENDS INTERCONNECTED AND LAID LEVEL.
 - ALL TOPSOIL, ROOTS AND ORGANIC MATTER MUST BE REMOVED FROM THE AREA BENEATH THE LEACH FIELD, WITH CARE TAKEN NOT TO COMPACT THE PARENT SOIL DURING CONSTRUCTION. FOR RAISED SYSTEMS, THE FILL BENEATH THE FIELD SHALL BE CLEAN, MEDIUM COARSE SAND (0.5 - 1.0 MM), AND THE AREA TO BE FILLED MUST BE CLEAR.
 - THE INSTALLER MUST CONTACT TRITECH ENGINEERING CORP. PRIOR TO CONSTRUCTION IF ANY DEVIATIONS BETWEEN THE SITE AND THIS PLAN ARE NOTED, OR IF ANY CONSTRUCTION CHANGES ARE DESIRED.
 - NHWSPOD CONSTRUCTION APPROVALS EXPIRE 4 YEARS FROM THE DATE OF ISSUE.
 - WHERE THE ACCESS COVER FOR THE SEPTIC TANK COMPARTMENT IS GREATER THAN 12" FROM FINISHED GRADE A 36" DIAMETER RISER SHALL BE INSTALLED IN ACCORDANCE WITH ENV-wq 1010.05

GENERAL NOTES

- CURRENT OWNER: MILLS FALLS REALTY, LLC
P.O. BOX 627
CENTER OSSIPEE, N.H.
- DEED REFERENCE: SCRD BOOK 2821 PAGE 327
- TAX MAP 220 LOT 54-7-1
- DURING 2019, HIGHLAND SOILS (MICHAEL MARIANO, STATE OF NEW HAMPSHIRE CERTIFIED SOIL SCIENTIST #76) CONDUCTED AN ON-SITE WETLANDS DELINEATION OF THE SUBJECT PARCEL. WETLANDS WERE IDENTIFIED BASED ON THE CITY OF DOWER ZONING ORDINANCE (170-27.1) AND ON STATE & FEDERAL CRITERIA OUTLINED IN THE "CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL" (DEPT. OF THE ARMY, 1987). ON THIS SITE, WETLANDS BASED ON LOCAL CRITERIA SHARE THE SAME BOUNDARIES WITH THOSE BASED ON STATE AND FEDERAL CRITERIA.
- PLAN REFERENCE: BOUNDARY LINE ADJUSTMENT AND SUBDIVISION PLAN FOR MILLS FALLS REALTY, LLC & DOROTHY A. PURVIS REVOCABLE LIVING TRUST ROUTE 125 & MILL FALLS ROAD BARRINGTON, NEW HAMPSHIRE TRITECH ENGINEERING CORPORATION MAY 10, 2004 SCRD 77-22

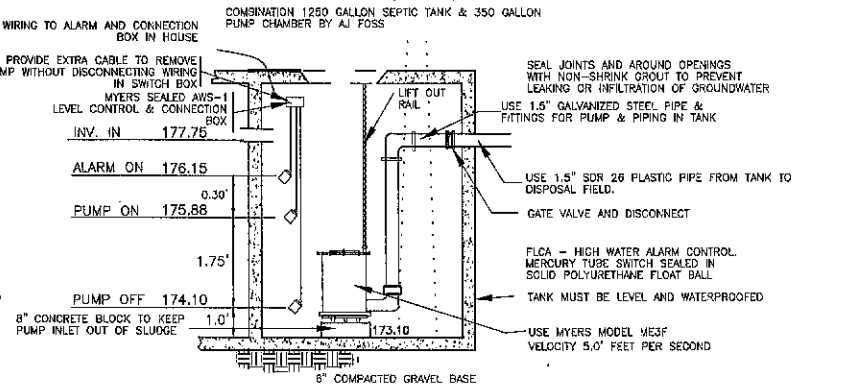
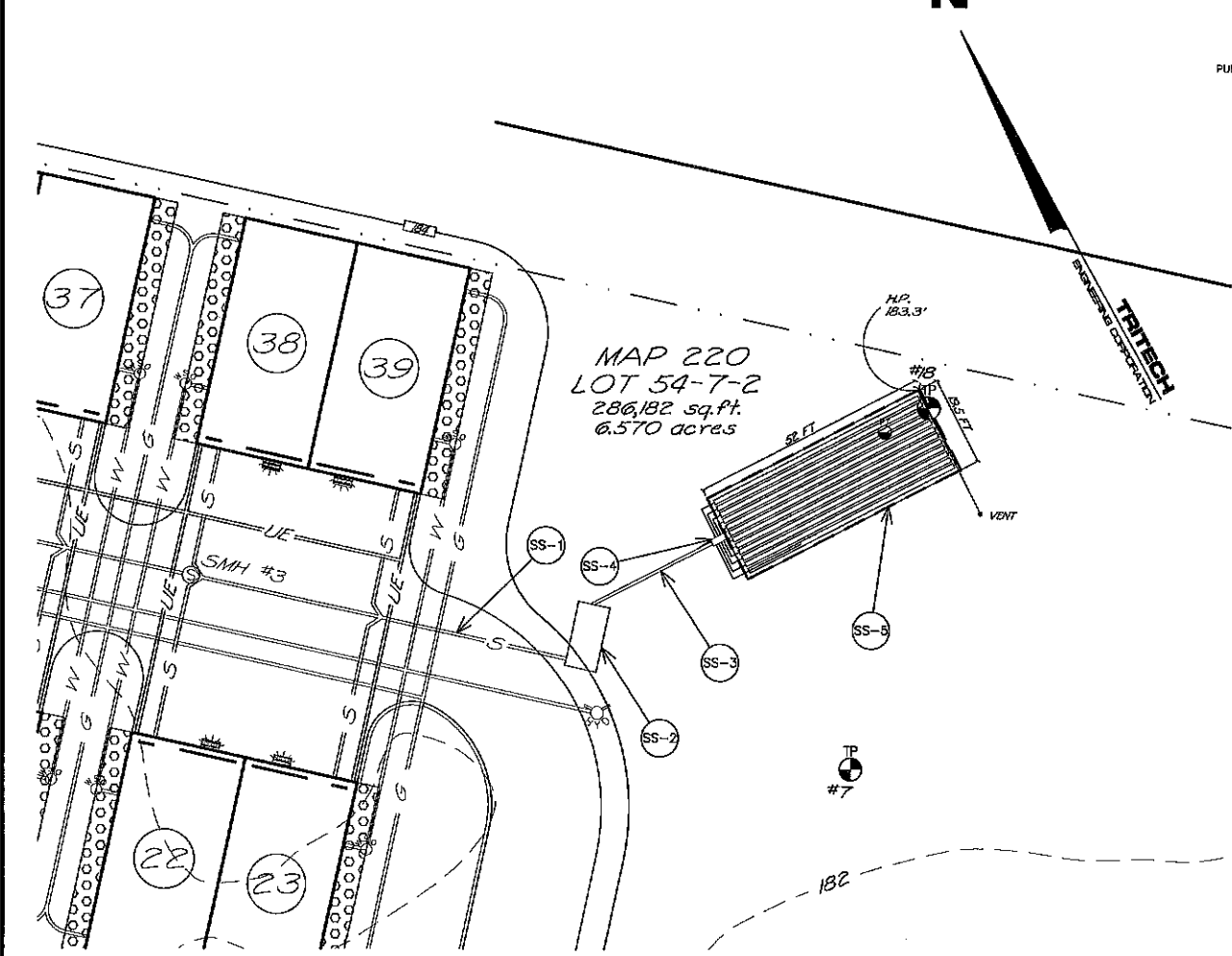
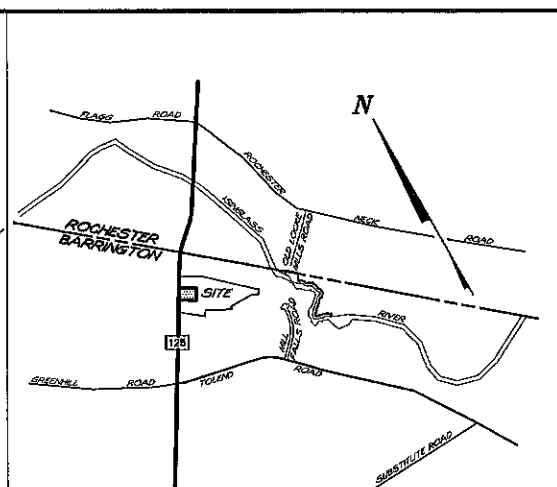
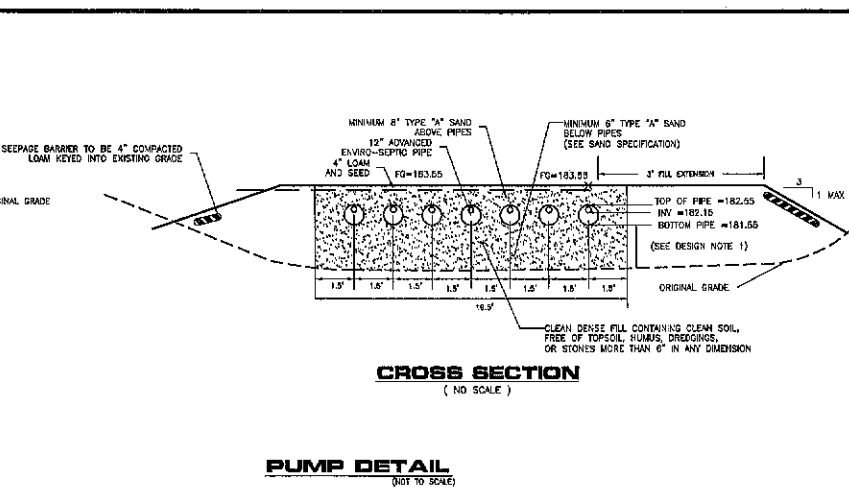
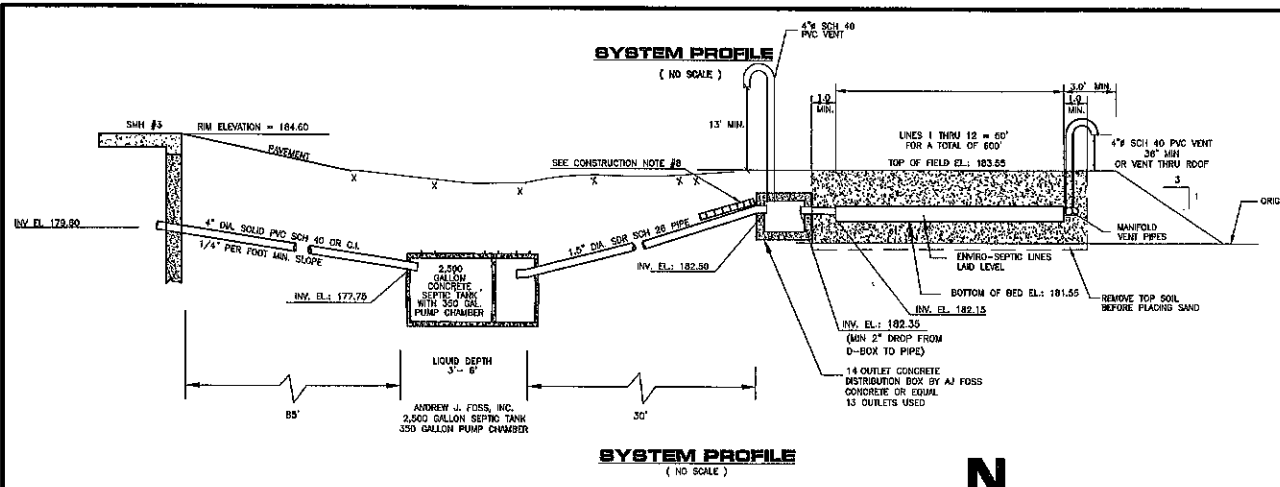
TRITECH
ENGINEERING CORPORATION
765 CENTRAL AVENUE
DOVER, NEW HAMPSHIRE 03808
TELEPHONE 603 748 8907
FAX 603 748 8850

REVISIONS	DATE	DESCRIPTION

INDIVIDUAL SEWAGE DISPOSAL SYSTEM DESIGN
MILLS FALLS REALTY, LLC
TAX MAP 220 LOT 54-7-1
ROUTE #125 (CALEF HWY)
BARRINGTON, NEW HAMPSHIRE
NOVEMBER 11, 2019 JOB NO. 19107
SCALE: 1" = 20'

LAND USE OFFICE
ISDS 54-7-1
NOV 12 2019
SHEET NO.

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PUMP REQUIREMENTS

PUMP TO BE CAPABLE OF 47 GPM AND A TOTAL HEAD OF 16.0 FT
 $H_{VERTICAL} + H_{FRICTION} = H_{TOTAL}$
 $9.4 + 6.5 = 16.0$ FEET
 PUMP MODEL: MEYERS MODEL MEXF

DOSE REQUIREMENTS

FLOAT SET TO DOSE AT 150 GALS. PER CYCLE.
 1 FT. DRAW DOWN = 86 GALS.
 PUMP SET TO DOSE 3 TIMES PER DAY
 APPROX. RUNNING TIME 3.2 MIN. PER CYCLE WITH SPECIFIED PUMP.
 (RUNNING TIME TO BE NO LESS THAN 3 MIN. AND NOT TO EXCEED 10 MIN.)

TEST PIT #18

DATE: JULY 30, 2019
 DEPTH DESCRIPTION:

0' - 6"	DARK BROWN (10YR 4/3) FINE SANDY LOAM; WEAK FINE GRANULAR STRUCTURE; MOIST, FRIABLE.
6' - 11"	YELLOWISH BROWN (10YR 5/6) FINE SANDY LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRIABLE.
11' - 24"	LIGHT OLIVE BROWN (2.5Y 5/4) FINE SANDY LOAM; MODERATE MEDIUM GRANULAR STRUCTURE; MOIST, FRIABLE.
24' - 45"	YELLOWISH BROWN (10YR 5/6) LOAMY SAND; WEAK MEDIUM GRANULAR STRUCTURE; MOIST, FRIABLE.
45' - 52"	YELLOWISH BROWN (10YR 5/6) LOAMY FINE SAND; FEW REDOX DEPLECTIONS IN 10YR 5/1; MASSIVE STRUCTURE, MOIST, FRIABLE.
52' - 60"	OLIVE GRAY (2.5Y 5/2) & YELLOWISH BROWN (10YR 5/6) SILTY CLAY LOAM; MANY REDOX DEPLECTIONS AND CONCENTRATIONS; STRONG MEDIUM BLOCKY STRUCTURE; MOIST, VERY FIRM.

ESTIMATED WATER TABLE: 45'
 OBSERVED WATER TABLE: NONE
 RESTRICTIVE LAYER: 52'
 BEDROCK REFUSAL: NONE
 SOIL SERIES: ELDRIDGE, WELL DRAINED, DEEP PHASE
 HYDROLOGIC SOIL GROUP: 3

SEPTIC NOTES:

- INSTALL 90 FEET OF 4" SEWER PIPE.
- INSTALL COMBINATION 2,500 GALLON CONCRETE SEPTIC TANK & 350 GALLON PUMP CHAMBER BY AJ FOSS
- INSTALL PUMP DISCHARGE PIPE.
- INSTALL AJ FOSS CONCRETE, 14 OUTLET DISTRIBUTION BOX OR EQUAL.
- INSTALL 52' x 19.5' ADVANCED ENVIRO-SEPTIC (AES). 12 PIPES, 50 FEET LONG

DESIGN NOTES

- DESIGN INTENT:
 - EXISTING GRADE AT THE HIGH POINT OF THE SYSTEM IS ELEV 183.30'
 - ESTIMATED SCOURED HIGH WATER TABLE IN TEST PIT #1 IS 45'
 - BOTTOM OF AES PIPE TO BE INSTALLED AT ELEV. 181.55'
 - PROMISING 24" OF SEPARATION TO ESWH (24" REQUIRED).
 - BOTTOM OF AES PIPE TO BE INSTALLED 21" BELOW EXISTING GRADE AT THE HIGH POINT OF THE SYSTEM.
- DESIGN FLOW DATA: 1,200 GPD
- BED SIZE: 120 LINEAR FEET REQUIRED, 4 PIPES x 30' PROVIDED = 120 LINEAR FEET PROVIDED
- STRAFFORD COUNTY SOIL CLASSIFICATION: ELDRIDGE, WELL DRAINED, DEEP PHASE
- LOT SERVICED BY MUNICIPAL WATER SERVICE.
- NO EXPOSED LEDGE WITHIN 75' OF SYSTEM.
- FOUNDATION DRAINS ARE PERMITTED 15' FROM PROPOSED LEACH FIELD AND 5' FROM PROPOSED SEPTIC TANK. A SOLID FOUNDATION DRAIN LINE IS PERMITTED 5' FROM LEACH FIELD.
- IF FAILURE OCCURS SYSTEM MAY HAVE TO BE REBUILT IN PLACE.
- NO SURFACE WATER WITHIN 75' OF SYSTEM.
- A GARBAGE DISPOSAL IS NOT PERMITTED.
- WATER SOFTENER IS NOT PERMITTED
- LARGE WHIRLPOOLS OR HOT TUBS ARE NOT RECOMMENDED.
- NHDES SUBDIVISION APPROVAL NUMBER:

CONSTRUCTION NOTES

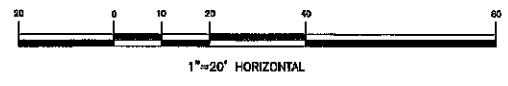
- THIS SUBSURFACE DISPOSAL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE RULES, REGULATIONS, STANDARDS AND PRACTICES OF THE NEW HAMPSHIRE WATER SUPPLY AND POLLUTION CONTROL DIVISION (NHWSPCD). CONSTRUCTION MUST BE DONE IN ACCORDANCE WITH THE PLAN AND THE CONSTRUCTION CRITERIA OF NHWSPCD. IN ADDITION, THE INSTALLER MUST HOLD A VALID INSTALLER'S PERMIT FROM NHWSPCD. BEFORE BACKFILLING OR COVERING THE INSTALLED COMPONENTS, THE INSTALLER MUST NOTIFY THE NHWSPCD FOR INSPECTION.
- UNLESS NOTED OTHERWISE, SEPTIC TANK AND DISTRIBUTION BOXES ARE TO BE PRE-CAST CONCRETE, AND ARE TO BE SET ON FIRMLY COMPACTED GROUND. PIPE CONNECTIONS AT INLET AND OUTLET SHALL BE TIGHTLY SEALED WITH CEMENT PIPE MORTAR, SUCH AS WATERPLUG. SEPTIC TANK AND DISTRIBUTION BOXES SHALL HAVE INLET Baffles CAST IN. OUTLETS SHALL BE "WATER LEVELED" TO ENSURE EQUAL OUTLET DISTRIBUTION. INSULATE AS DETAILED.
- SEWER PIPE FROM BUILDING TO SEPTIC TANK SHALL BE CAST IRON OR SCHEDULE 40 SOLVENT WELDED PLASTIC PIPE. EFFLUENT PIPE FROM SEPTIC TANK TO LEACH FIELD SHALL BE FRICTION JOINT RIGID PLASTIC PIPE UNLESS NOTED OTHERWISE. LEACHING BED LATERAL-PIPES SHALL BE PERFORATED RIGID PLASTIC PIPE WITH FRICTION TYPE COLLARS, ELL OR TEES, ALL ENDS INTERCONNECTED AND LAD LEVEL.
- ALL TOPSOIL, ROOTS AND ORGANIC MATTER MUST BE REMOVED FROM THE AREA BENEATH THE LEACH FIELD, WITH CARE TAKEN NOT TO COMPACT THE PARENT SOIL. DURING CONSTRUCTION, FOR RAISED SYSTEMS, THE FILL BENEATH THE FIELD SHALL BE CLEAN, MEDIUM COARSE SAND (0.5 - 1.0 MM), AND THE AREA TO BE FILLED MUST BE CLEARED.
- THE INSTALLER MUST CONTACT TRITECH ENGINEERING CORP. PRIOR TO CONSTRUCTION IF ANY DEVIATIONS BETWEEN THE SITE AND THIS PLAN ARE NOTED, OR IF ANY CONSTRUCTION CHANGES ARE DESIRED.
- NHWSPCD CONSTRUCTION APPROVALS EXPIRE 4 YEARS FROM THE DATE OF ISSUE.
- WHERE THE ACCESS COVER FOR THE SEPTIC TANK COMPARTMENT IS GREATER THAN 12" FROM FINISHED GRADE, A 36" DIAMETER RISER SHALL BE INSTALLED IN ACCORDANCE WITH ENV-wq 1010.05

GENERAL NOTES

- CURRENT OWNER: MILLS FALLS REALTY, LLC
 P.O. BOX 827
 CENTER OSSISPEE, N.H.
- DEED REFERENCE: SCRD BOOK 2821 PAGE 327
- TAX MAP 220 LOT 54-7-2
- DURING 2019, HIGHLAND SOILS (MICHAEL MARIANO, STATE OF NEW HAMPSHIRE CERTIFIED SOIL SCIENTIST #76) CONDUCTED AN ON-SITE WETLANDS DELINEATION OF THE SUBJECT PARCEL. WETLANDS WERE IDENTIFIED BASED ON THE CITY OF DOVER ZONING ORDINANCE (170-27.1) AND ON STATE & FEDERAL CRITERIA OUTLINED IN THE "CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL" (DEPT. OF THE ARMY, 1987). ON THIS SITE, WETLANDS BASED ON LOCAL CRITERIA SHARE THE SAME BOUNDARIES WITH THOSE BASED ON STATE AND FEDERAL CRITERIA.
- PLAN REFERENCE: BOUNDARY LINE ADJUSTMENT AND SUBDIVISION PLAN MILLS FALL REALTY, LLC, & DOOROTHY A. PURVIS REVOCABLE LIVING TRUST ROUTE 125 & MILL FALLS ROAD BARRINGTON, NEW HAMPSHIRE TRITECH ENGINEERING CORPORATION MAY 19, 2004 SCRD 77-22

SAND SPECIFICATIONS

Sieve Size	ASTM C-33 fine aggregate	AES & ES Specifications
3/4"		0% retained
3/8"	100% passing	"Gravel"
#4	95-100% passing	
#6	80-100% passing	
#10		<35% retained
#16	50-85% passing	"Coarse to Very Coarse Sand"
#30	25-60% passing	
#35		40-90% retained
#40		
#50	5-30% passing	
#100	0-10% passing	
#200		"fines" (silt & clay) <2% passes-CRITICAL



TRITECH
 ENGINEERING CORPORATION

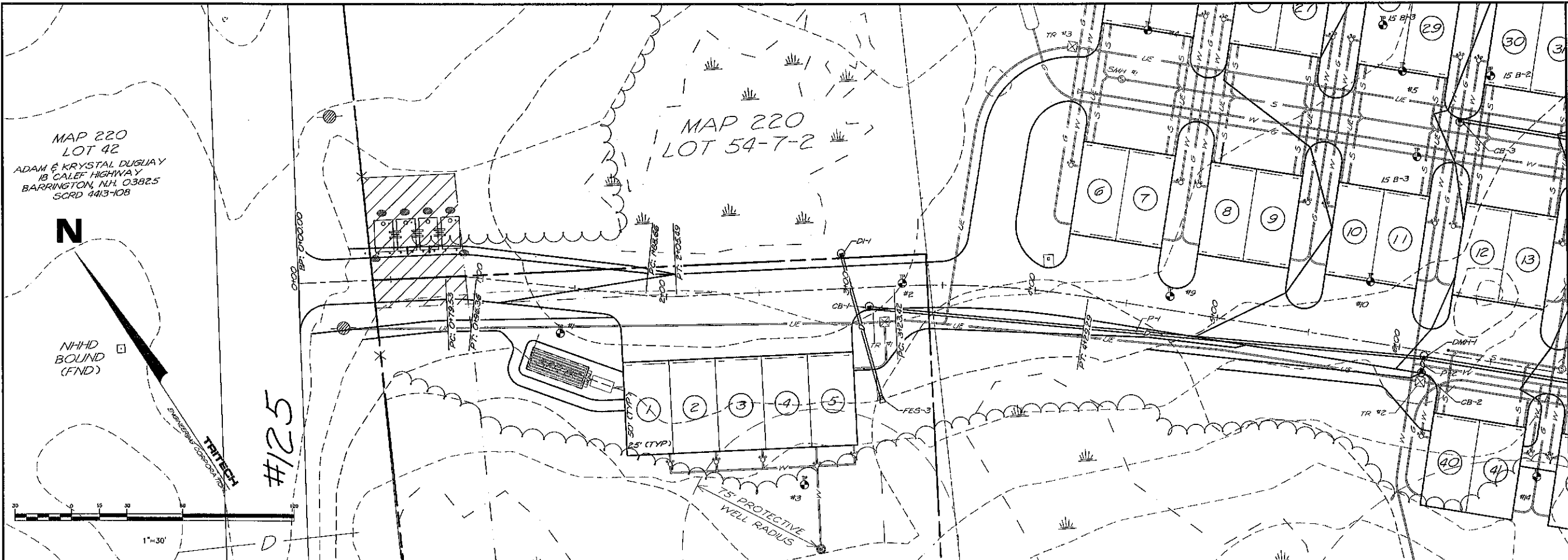
THE CENTRAL AVENUE
 DOVER NEW HAMPSHIRE 03801
 TELEPHONE 603 742 8707
 FAX 603 742 0630

REVISIONS	DATE	DESCRIPTION

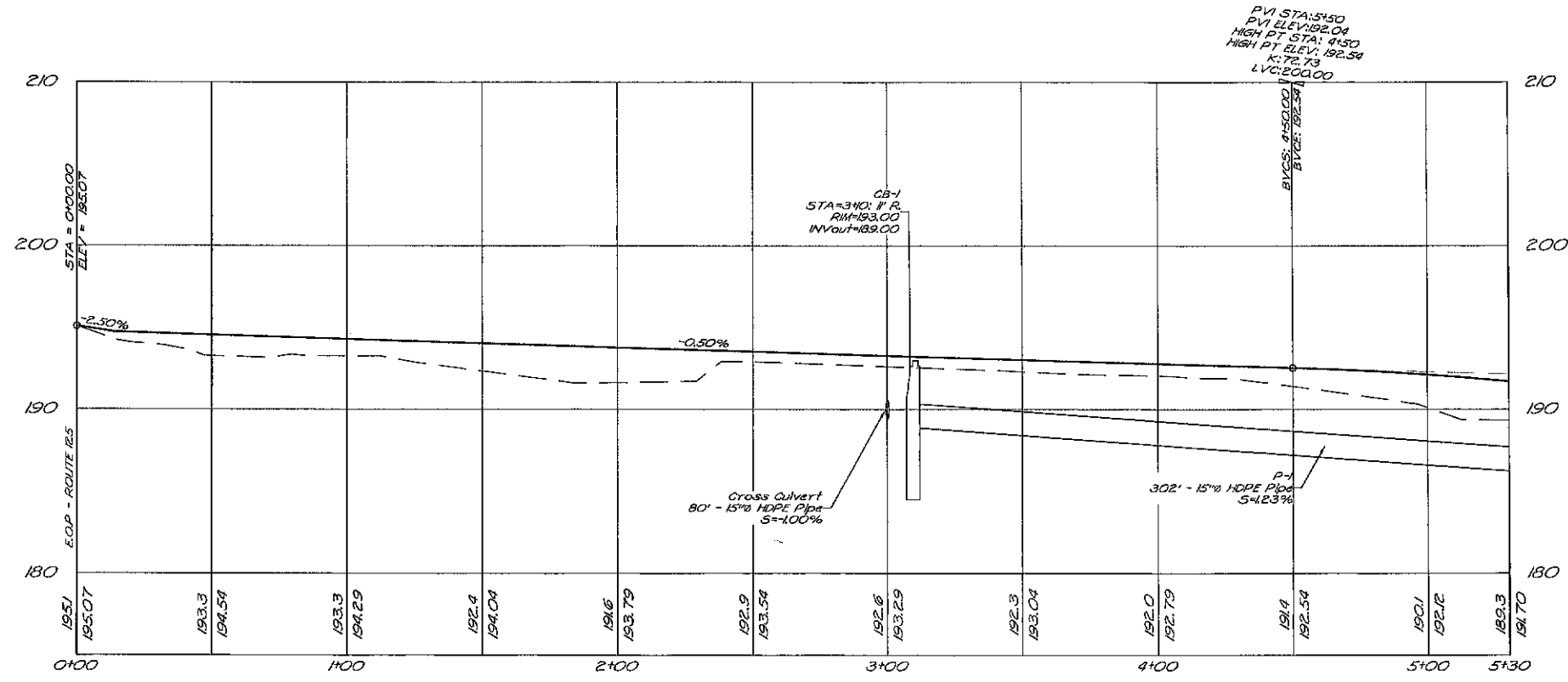
INDIVIDUAL SEWAGE
 DISPOSAL SYSTEM DESIGN
MILLS FALLS REALTY, LLC
 TAX MAP 220 LOT 54-7-2
 ROUTE #125 (CALEF HWY)
 BARRINGTON, NEW HAMPSHIRE
 NOVEMBER 11, 2019 JOB NO. 19107
 SCALE: 1" = 20'

LAND USE FILE
54-7-2
 SHEET NO. 5
 NOV 12

RECEIVED



HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 5'



LAND USE OFFICE
 NOV 2
 RECEIVED

TRITECH
 ENGINEERING CORPORATION

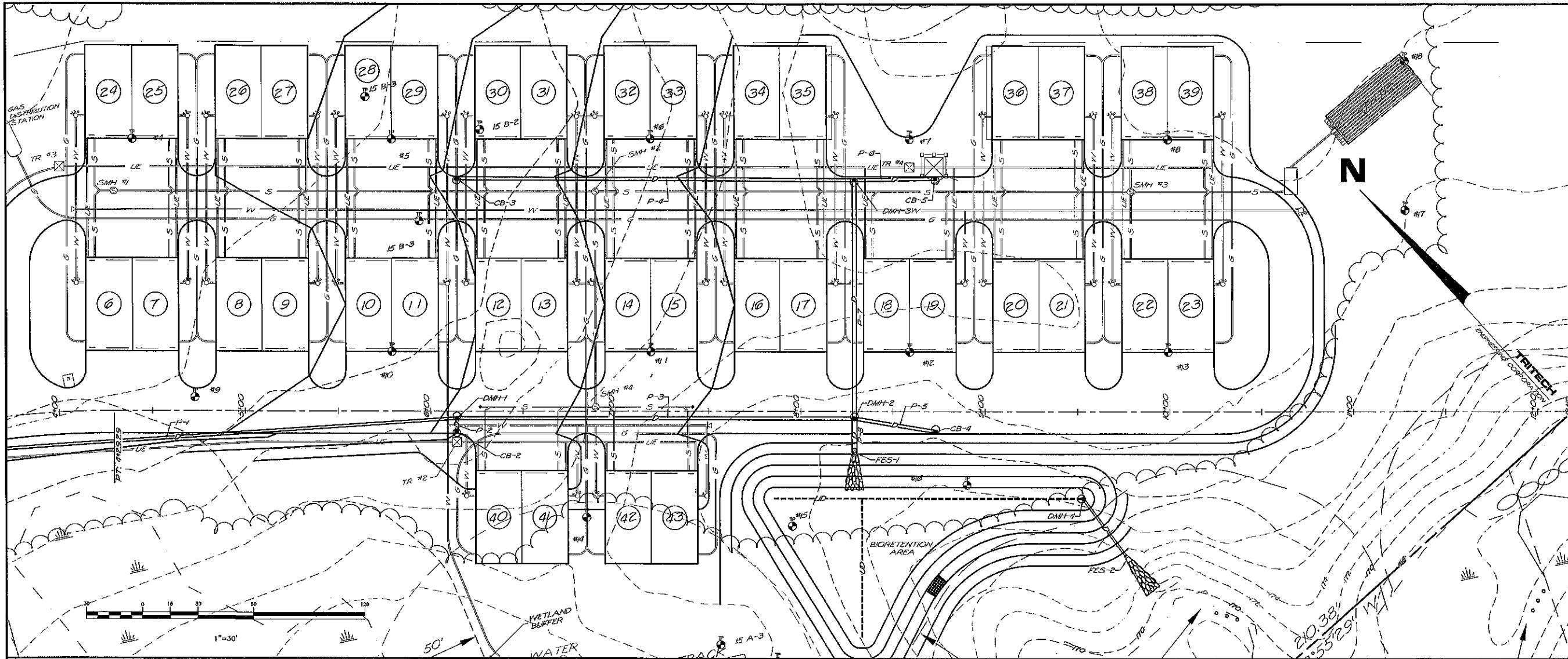
REVISIONS	DATE	DESCRIPTION

ROADWAY PLAN AND PROFILE
BARRINGTON STORAGE-OFFICE
 ROUTE #125
 BARRINGTON, NEW HAMPSHIRE
 NOVEMBER 11, 2019 JOB No. 19107
 SCALE: 1" = 30'

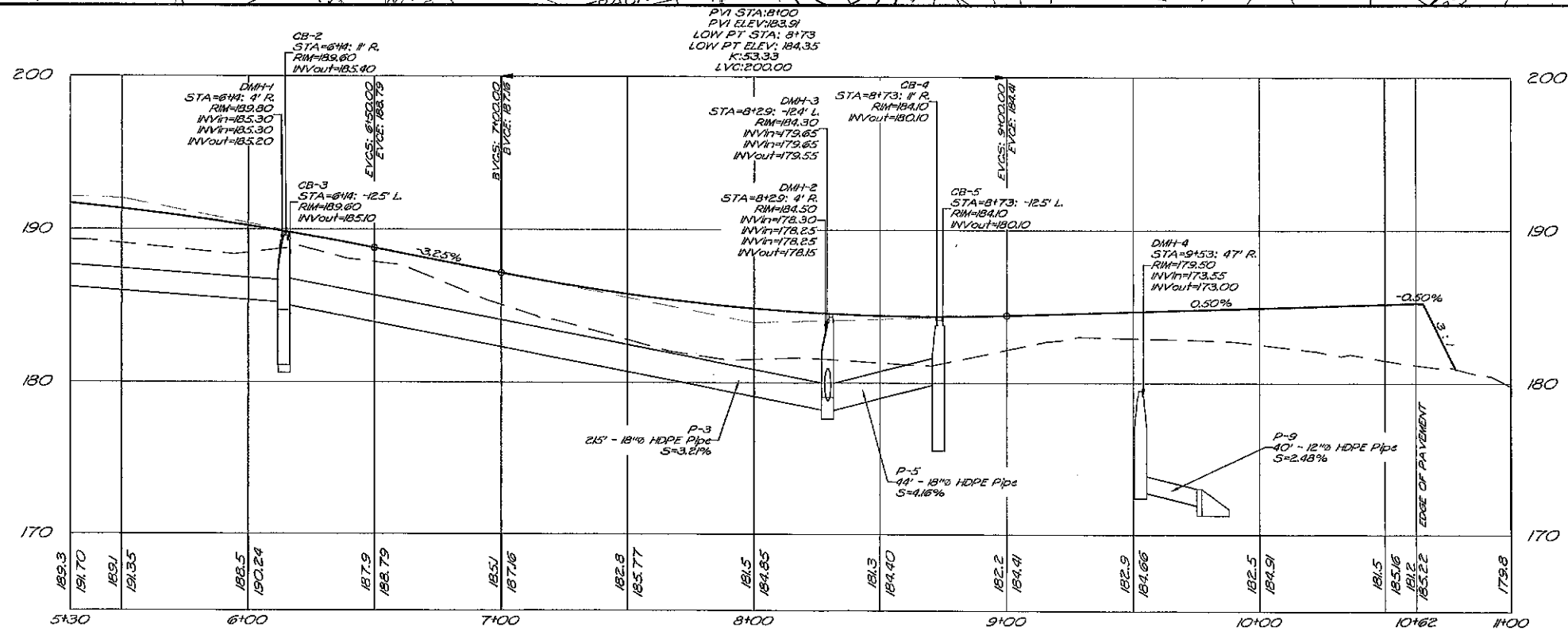
SHEET No.

0-1

785 CENTRAL AVENUE
 COVING NEW HAMPSHIRE 03860
 TELEPHONE 603 742 9107
 FAX 603 742 3860



HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 5'



TRITECH
 ENGINEERING CORPORATION

785 CENTRAL AVENUE
 DOWER, NEW HAMPSHIRE 03820
 TELEPHONE 603 742 8707
 FAX 603 742 9890

REVISIONS	DESCRIPTION:
DATE:	

ROADWAY PLAN AND PROFILE
BARRINGTON STORAGE-OFFICE
 ROUTE #125
 BARRINGTON, NEW HAMPSHIRE
 NOVEMBER 11, 2019 JOB No. 19107
 SCALE: 1" = 30'

SHEET No. **0-2**