PAWTUCKAWAY STATE PARK

TOILET BUILDING RENOVATIONS - 60% DESIGN

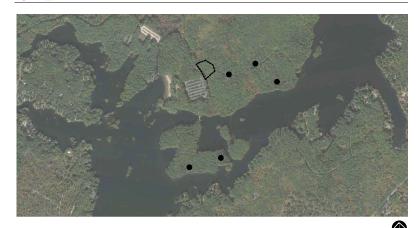
7 Pawtuckaway Road Nottingham, NH 03590

SHEET LIST

SHEET NO.	SHEET TITLE
G0.00 C1.00	COVER SHEET OVERALL PLAN
C1.00 C1.10	BIG ISLAND ROAD EXISTING CONDITIONS
C1.10 C1.20	DUMP STATION EXISTING CONDITIONS
C1.30	BATHHOUSE 7 EXISTING CONDITIONS
C1.40	BATHHOUSE 8 EXISTING CONDITIONS
C1.50	BATHHOUSE 9 EXISTING CONDITIONS
C1.60	BATHHOUSE 5 EXISTING CONDITIONS
C1.70	BATHHOUSE 6 EXISTING CONDITIONS
C2.20	DUMP STATION DEMOLITION PLAN
C2.30	BATHHOUSE 7 DEMOLITION PLAN
C2.40	BATHHOUSE 8 DEMOLITION PLAN
C2.50	BATHHOUSE 9 DEMOLITION PLAN
C2.60	BATHHOUSE 5 DEMOLITION PLAN
C2.70	BATHHOUSE 6 DEMOLITION PLAN
C3.20	DUMP STATION GRADING AND UTILITY PLAN
C3.30	BATHHOUSE 7 SITE PLAN
C3.40	BATHHOUSE 8 SITE PLAN
C3.50	BATHHOUSE 9 SITE PLAN
C3.60	BATHHOUSE 5 SITE PLAN
C3.70	BATHHOUSE 6 SITE PLAN
C4.20	DUMP STATION SEPTIC PLAN
C4.30 C4.40	BATHHOUSE 7 SEPTIC PLAN BATHHOUSE 8 SEPTIC PLAN
C4.40 C4.50	BATHHOUSE 8 SEPTIC PLAN BATHHOUSE 9 SEPTIC PLAN
C4.50 C4.60	BATHHOUSE 5 SEPTIC PLAN
C4.60 C4.70	BATHHOUSE 6 SEPTIC PLAN
C5.00	DETAILS - EROSION CONTROL
C5.10	DETAILS - MISCELLANEOUS
A1.01	MAIN FLOOR PLAN
A1.02	REFLECTED CEILING PLAN AND ROOF PLAN
A2.01	EXTERIOR ELEVATIONS
A3.01	BUILDING SECTIONS

SHEET NO.	SHEET TITLE
A4.01	INTERIOR ELEVATIONS
A5.01	SCHEDULES
S1.01	FOUNDATION PLAN AND DETAILS
S1.02	ROOF FRAMING PLAN
M1.01P	MECHANICAL PLAN AND DETAILS
E1.01P	ELECTRICAL PLAN AND DETAILS
P1.01P	PLUMBING PLAN AND DETAILS
	A4.01 A5.01 S1.01 S1.02 M1.01P E1.01P

SITE



LANDSCAPE ARCHITECT CIVIL ENGINEER SE GROUP 1 MILL STREET, SUITE 190 BURLINGTON, VT 05401

HORIZONS ENGINEERING 8836 POMFRET ROAD, SUITE 2A 6 CENTRAL HOUSE ROAD NORTH POMFRET, VT 05053

ARCHITECT SAMYN-D'ELIA ARCHITECTS, P.A. HOLDERNESS, NH 03245



NH STATE PARKS Campground Expansion Project PII

Pawtuckaway State Park 7 Pawtuckaway Road Nottingham, NH

60% DESIGN

Date: November 6, 2023

Drawn By: BD & KS

No.	Description	Date
1	Name	00/00/00
П		

COVER SHEET

G_{0.00}

Project Number: 23045001

PROPOSED DUMP SITE

BATHHOUSE 7



NH STATE PARKS

Campground Expansion Project PII Pawtuckaway State Park 7 Pawtuckaway Road Nottingham, NH 03290

60% DESIGN



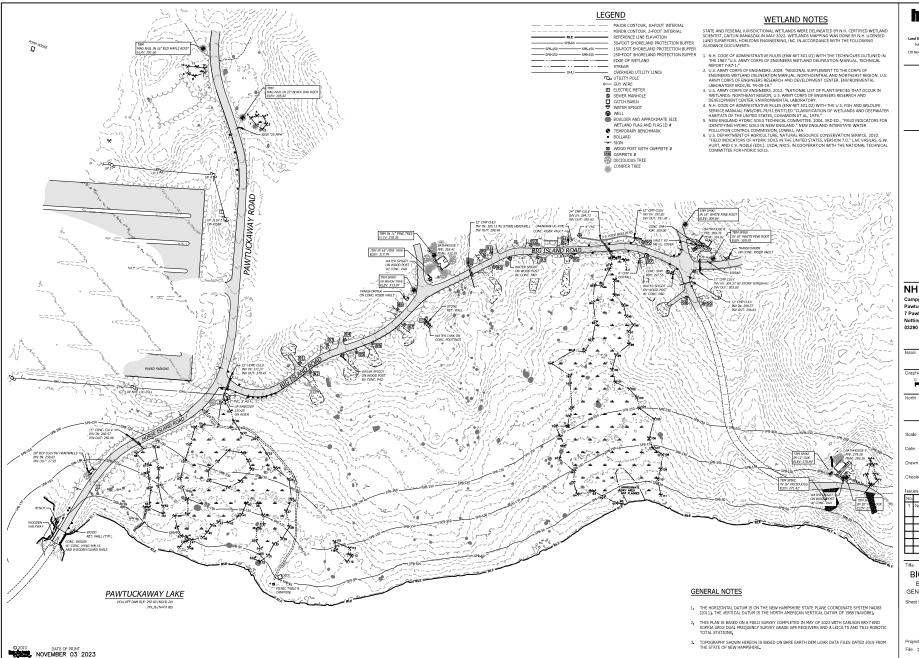
Drawn By: SJB

No.	Description	Date
1	Name	00/00/00
Ш		
Н		
Н		
Н		+
Н		+

OVERALL PLAN

C1.0

Project Number: 23045001 File: 220838_base-01_pawtuckaway.dwg



horizons

NH STATE PARKS

Campground Expansion Project PI Pawtuckaway State Park 7 Pawtuckaway Road Nottingham, NH

60% DESIGN

Scale: 1" = 80'

Date: November 3, 2023

Drawn By: SJB

ISSL	E9.	
No.	Description	Date
1	Name	00/00/00
Ш		

BIG ISLAND ROAD EXISTING CONDITION GENERAL LEGEND & NOTES

C1.1

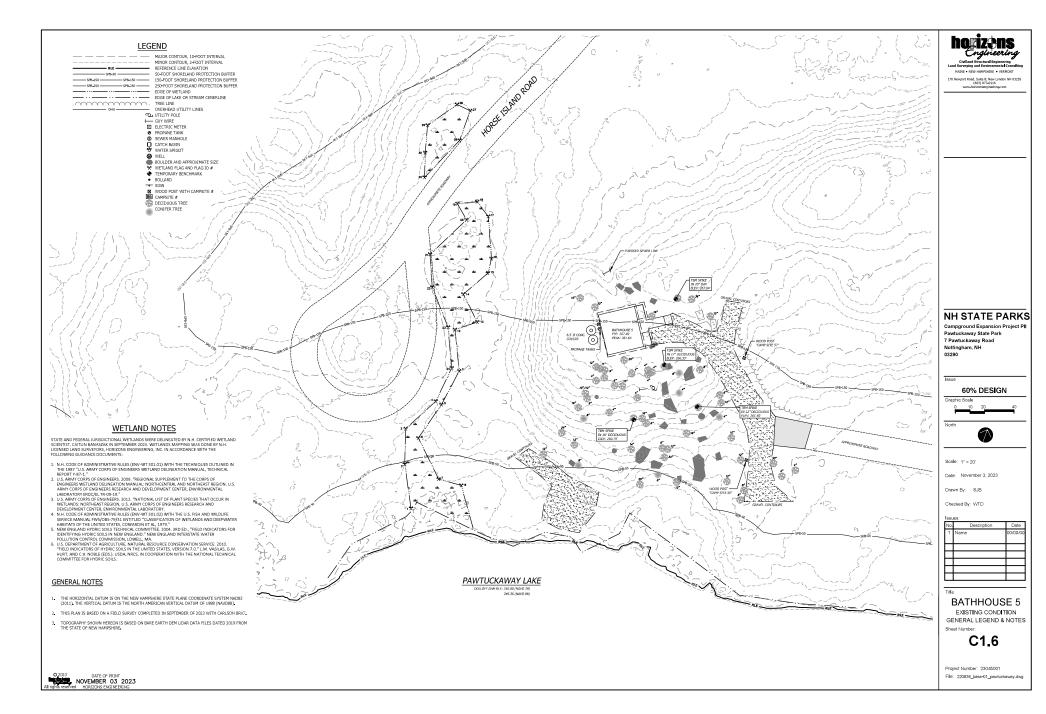
Project Number: 23045001 File: 220638 base-01 pawtuckaway.dwg

2'tpoj. 3022/22638 SE Group. - Campprounds Ph. Il'Enternal Survey/DAGS/Paw/TUCKAWAY_BASE/22668 BASE-01_PAW/TUCKAWAY '649; C1.2, 11/3/2023 12:4-27 Ph. Christensis.

Z-tproj. 2022/22069 SE Group - Campgrounds Ph. Illinternal/Servey/DWIGS/PAWTUCKAWAY BASE/22069 BASE-01_PAWTUCKAWAY day, CL3, 11/372023 124:54 PM. Christernick

2 (poc) 2023/22009 SE Group - Campgrounds Ph II Untermal Survey DOVIGS PANYTOCKAWAY BASE/22009 BASE-01, PAWTOCKAWAY dwg, CL A, 11/3/2023 1.24-40 PM, Christienskik

2 (troj. 2022/2000 SE Group - Campgrounds Ph III Internal Survey/CONGS/PAWT/CXCAWAY BASE/22039 BASE/21 PAWT/CXCAWAY drug, CLS, 11/37/203 1/24-47 PM, Christhenisk



Z.(pro_2022)220338 SE Group - Campgrounds Ph IIVmemal/survey(DWGS/PAWTUCKAWAY_BASE)220838_BASE-O1_PAWTUCKAWAY_JANg, C1.6, 11/3/2023 1:55:50 PM, BavidWheeler

2/proj. 3022/20639 SE Group - Campprounds Ph. Il/bitemai/Survey/DWGS/PANTUCKAWAY BAGE/20689, BASE-01. PMTUCKAWAY dwg, C1.7, 11/3/2023, 1.25-01. PM. Christhenick

Ziproj. 2022/220638 SE Group - Campyrounds Ph. Il/Internal/Survey/DWIGS/PAWTUCKAWAY BASE/220638 BASE-01 PW/TUCKAWAY drug. C2.2, 11/7/2023 12.25-07 PN. Christ-tensk

Z-tpoi, 2022/22008 SE Orose - Cempprounds th IllutematiSurvey/DWGS/PAR/TLXXAMAY BASE/22008 BASE-01_FAR/TLXXAMAY-dwg, C2.5, 11/9/2023 1:25:13 MY. Christmasi

Z/troi_2022/2068 SE Group - Campprounds Pf II Unternal Survey/DWGS/PAWTXXAWAY BASE(22/689 BASE-01 PAWTXXAWAY-dwg, C2-A, 11/3/2023 1:25:20 PfV, Christhenixi

2 (proj. 2022/2060) SE Group - Campgrounds Ph. Illuternal/Survey/DMGS/PAWTUCKAWAY_BASE/226039_BASE-21_PAWTUCKAWAY day, C2.7, 11/3/2023 1.25.39 PM, Christhenski.

OSOS SE Group - Campgrounds th ILluternational Conseptient I UCKAMAY (2.00508 FAW I UCKAMAY - CONCEPT - No ang. CS. 2. 12/4/0023 1.27/54 PM, CRIMI

Z-laroj 2022)22909 SE Group - Campgrounds Ph. II UntermAIC/AI/Cancepts/PAW/TICCX/WAY/220858 PAW/TICCX/WAY CONCEPT-10 days, C5.3, 1.1/4/3023 1.28-0.1 PM, Christhenick

Z (proj. 2022);22068 SE Oroup – Campgrounds Ph. II Unternal Configuroseps/PANTICXXAWAY(22088). PANTICXXAWAY CONCEPT-16 Alog. C5.4, 1316/12023 1238:10 PM, Christherick

2. [poi] 2022/22638 SE Group - Campgrounds Ph. Illutem-HGO-dreepts/PAWTOCKWAY/220585 PAWTOCK/WAY_CONCEPT-86 #mg, C5-5, 11/6/2023 123:18 PM, Christenrick

2 tproj. 2022/2008 SE Group - Campgrounds Ph. Il Untermaticival/Conference (SPANT) CXXWWY 2008S PANT UCXXWAY CONCEPT 78 Julys, CS 6, 13/6/2023 12.8:25 PM, Christherisk.

Z/tpoj. 2022)228639 SE Group - Campgrounds Ph II UntermAICARICORNEPS/PANTUCCAWAY/220839 PANTUCCAWAY CONCEPT-80 dwg, CS-7, 13/4/2023 1-28-33 PM, Christment A

LOW VENT (DISGUISED)

FINISH GRADE ELEV : 299.17

PUMP SPECIFIC NOTES:

 \square

PROFILE SECTION

(NTS)

DISTRIBUTION BOX - 8 OUTLET (INSTALL FLOW EQUALIZERS IN D-BOX)

1.5" FORCEMATE

PUMP DESIGN TOTAL DYNAMIC HEAD OF 14 FT

D BOX OUT ELEV : 298 50

ENVIRO-SEPTIC IN: 298.00 (L1)

BOTTOM OF ENVIRO-SEPTIC ELEV : 297.42 (L1)

SEE PUMP DETAIL & NOTES

SEE NOTE 6B FOR ACCESS TO SEPTIC TANK

4,000 GAL PRECAST CONCRETE SEPTIC TANK

(SET LEVEL & TIGHTLY SEALED)

4,000 GAL

NOTE: CONTRACTOR RESPONSIBLE TO RENDER TANK
WATERTIGHT. ALL PIPE PENETRATIONS SHALL BE SEALED
INSIDE AND OUT WITH A NON-SHRINK MORTAR, THICK
PLASTIC CEMENT, OR OTHER SEALANTS. CONTRACTOR
MAY ALSO USE POLYLOCK' SEALS ON PIPE OPENINGS.

2,000 GAL

FINISH GRADE ABOVE PIPE ELEV.: PLACEHOLDER

MIN. 2% SLOP

MAX. 15% SLOPE

INVERT OUT ELEV.:

INIET FLEV: 294.50

hogizens Engineering

176 Newport Road, Suite 8; New London NH 03255 (603) 873-0116 www.horizonsengingsring.com

ORIGINAL GROUND -VENT MANIFOLD, ODD ROWS

NOTE: MINIMUM REQUIRED ELEVATIONS SHOWN BELOW.

(19) (19) SYSTEM SAND

25.5'-

NUMBER OF LINES: 18 CENTER TO CENTER SPACING: 1.5

CROSS SECTION

(NTS)

4" MINIMUM LOAM AND SEED (TYP.)-

1.0' (TYP)

ENVIRO-SEPTIC IN: 298.00 ENVIRO-SEPTIC BOTTOM: 297.42 SLOPE = 0%

ENVIRO-SEPTIC SYSTEM - IN-GROUND PUMPED

SYSTEM SAND SPECIFICATION:

ASTM C-33 (CONCRETE SAND) MEETS THESE

FILL SAND SPEC: CLEAN BANK RUN-SAND, FREE OF TOPSOIL OR HUMU

DREDGINGS, OR STONES > THAN 6'

REMOVE TOPSOIL (SEE GENERAL NOTE 8)

SAND: 40-90% OF TOTAL SAND TO BE COARSE AND VERY COARSE. NO SAND SMALLER THAN 0.5MM. NO MORE THAN 3% OF THE TOTAL SAND MAY PASS THROUGH A #200 SIEVE.

DESIGN INTENT
BOTTOM OF EFFLUENT DISPOSAL AREA TO BE SET AT ELEV. 296, 92
THIS IS APPROXIMATELY AT GRADE AT THE HIGH CONTOUR OF THE
DESIGNED PERIUPIN DISPOSAL AREA BENCH MARK AND ELEVATION
DATA TO BE USED TO DETERMINE THE ACTUAL ELEVATION OF THE
FIELD FOR GREATER ACCURACY.

REMOVE TOPSOIL (SEE GENERAL NOTE 8)

EFFLUENT DISPOSAL AREA

PULSIZE AV STTES SERVED: 59
POPUP TRALIER SITES SERVED: 62
ASSUME SØV OF POPUP SITES REQUIRE DUMP SERVICE
RV + SØV&POPUP = 90 SITES SERVED
REQUIRED SERVAGE (LADBING S)
STES X 20 GPD/SITE = 1,800 GPD

REQUIRED SEWAGE LOADING: 90 STIES X 20 GPD/S DESIGN SEWAGE LOADING = 1800 GPD PERCOLATION RATE: 8 MINS / INCH SSLF/100GPD ENVIRO-SEPTIC REQUIRED = 990 LF ENVIRO-SEPTIC PROVIDED = 720 LF RO-SEPTIC PROVIDED = 720 LF
INAL GROUND ELEVATION AT THE HIGH CONTOUR: 296.9 (@ L1

ONLY 1974 42 (@ L1 BOTTOM OF ENVIRO-SEPTIC PIPE ELEVATION: 297.42

SEPTIC TANK 2× DAILY FLOW = 3,600GAL (USE NEXT LARGER COMMERCIAL SIZE) 4000 GAL TANK WITH 2000GAL PUMP CHAMBER

BENCHMARKS USED FOR TIE POINTS TO BE LEFT IN PLACE AND VISIBLE UNTIL THE NHDES INSPECTION HAS BEEN COMPLETED AND APPROVED. NO OPEN WATER, WELLS OR ABUTTING FOUNDATIONS WITHIN 75 OF THE PROPOSED EFFLUENT DISPOSAL AREA.

VENT REQUIREMENTS AND PLACEMENT WHERE SHOWN, LOW AND HIGH VENTS ARE REQUIRED TO

WHERE SHOWN, LOW MID HIGH VENTS ARE REQUIRED TO DRUME THAT ANY SO DAWN COMPLETE Y REQUIRED THE BITTLE SYSTEM, NO ADDITIONAL STATE OF THE SYSTEM OF THE SAME SYSTEM OF THE SYSTEM OF THE SYSTEM OF THE SAME STATE OF THE SAME SHOW CENTER AND UNITED THE SAME SHOW CENTER AND ADDITIONAL THE CENTER OF THE SAME SHOULD CAMPACTISE. THE CEPTINGS OF THE HIGH VENT MUST ALSO MADE SHOULD CAMPACTISE. THE CEPTINGS OF THE HIGH VENT MUST BE AT LEAST 10 FEET ABOVE THE OPERING OF THE DUM VENT.

LOW VENTS ARE INSTALLED THROUGH AN OFFSET ADAPTER AT THE END OF EACH SERIAL SYSTEM OR RED.

WHIT LICEATIONS SHOWN WAS APPROXIMATE AND CAN BE SECCENTED SO LONG AS THEY ARE LUD LIVEL ON TYPICED BACK TO THE BACK THE SHORT OF THE SHORT OF THE SHORT OF THE SHORT OF THE BACKBOARY, AND SHAULS OR OTHER VEGETATION TO SCHEEN VERT, CAN CAMP STATE VERT COVERS ARE NOT PREFERRED; USE "MUSTROOM" STYLE VERT COVERS OR VERT COVERS THAT CANDIDULAGE THE EAV DRIT.

NH STATE PARKS

Campground Expansion Project PII Pawtuckaway State Park 7 Pawtuckaway Road Nottingham, NH 03290

60% DESIGN

Drawn By: CJH

BATHHOUSE 7 SEPTIC PLAN

C4.2

Project Number: 23045001 File: 220838 pawtuckaway cond

ENVIRO-SEPTIC SYSTEM SLOPED, IN-GROUND BED CAMPGROUND DESIGN (1,300 GPD)

> 172 PEMBROKE ROAD CONCORD, NH 03301

BIG ISLAND CAMPGROUND ROAD NOTTINGHAM, NEW HAMPSHIRE TAX MAP: 76 PARCEL: 2

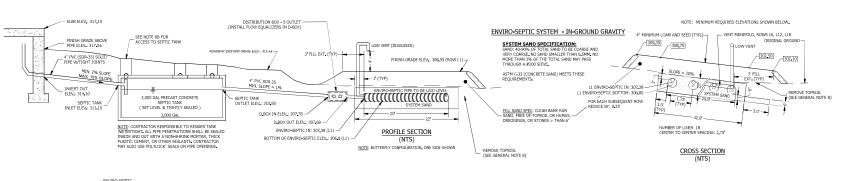
NEW HAMPSHIRE

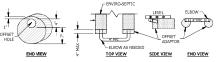
PREVIOUS APPROVAL #: NONE

COUNTY: ROCKINGHAM SUBDIVISION NAME: n/a SUBDIVISION APPROVAL: EXCEPT > 5AC

Scale: 1" = 20'

Date: November 3, 2023





ENVIRO-SEPTIC OFFSET ADAPTOR DETAIL

- THE CONTRACTOR SHALL ADHERE STRICTLY TO THESE PLANS AND THE REGULATIONS SET FORTH IN THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES MANUAL "SUBDIVISION AND INDIVIDUAL SEWING DISPOSAL SYSTEM DESIGN RULES". CHAPTER ENV-WO 1000, DATED OCTOBER 1, 2016, CURRENT EDITION, AS WELL AS "THE PRESBY WASTEWATER TREATMENT SYSTEM, NEW HAMPSHIRE DESIGN AND INSTALLATION MANUAL", CURRENT
- 2 CALL DIG-SAFE PRIOR TO INSTALLATION

GENERAL NOTES

- 3. SEPTIC SYSTEM SHALL BE INSTALLED BY A NHDES LICENSED INSTALLER.
- TOPOGRAPHY AND SURVEY INFORMATION PROVIDED BY HORIZONS ENGINEERING, INC., OF LITTLETON, NEW HAMPSHIRE. THIS PLAN IS NOT MEANT TO REPRESENT A PROPERTY BOUNDARY SURVEY.
- 5. ENVIRO-SEPTIC LEACHING SYSTEM AS MANUFACTURED BY INFILTRATOR WATER TECHNOLOGIES / PRESBY ENVIRONMENTAL, INC., WHITEFIELD, NH.

- 6. COVER OVER PROPOSED SYSTEM:
 A 18Y MINNIMUM COVER SHALL BE PROVIDED OVER THE PIPE FROM THE BATHHOUSE TO THE
 SPITE TORN O'THE PIPE SHALL BE INSULATED.
 SPITE TORN O'THE PIPE SHALL BE INSULATED.
 SPITE TORN O'THE PIPE SHALL BE INSULATED.
 SPITE SHALL BE SHOULD SHALL BE SHOULD SHALL BE SHOULD SHOULD SHALL BE SH
- 7. IF THE CONTRACTOR DETERMINES THAT EXISTING FIELD CONDITIONS ARE OTHER THAN SHOWN ON THESE FLANS, HE SHALL STOP WORK IMMEDIATELY AND NOTHEY THE OWNER AND DESIGNER FOR DIRECTIONS, IF CONTRACTOR DENCOUNTERS DISTRING SEPTIC TAXING OR MATERIALS, HE SHALL REMOVE THEM OFF SITE WITH RESPECT TO CURRENT LOCAL AND STATE REGULATIONS.
- 8. ALL TREES, ROOTS, LOAM AND OTHER ORGANIC MATTER SHALL BE REMOVED FROM LINDER
- LEACHFIELD AND SLOPE EXTENSIONS PRIOR TO PLACING FILL PLACE FILL IN 16" LIFTS, CONSOLIDATE AND RAKE BACKFILL SCARIFY SUBGRADE SOIL. FILL USED TO RAISE THE EFFLUENT DISPOSAL AREA SHALL BE CLEAN BANK RUN SAND, FREE FROM TOPSOIL, HUMUS, DREDGINGS, OR STONES OR MATERIAL MORE THAN 6" IN DIAMETER.
- 10. ALL DISTURBED AREA SHALL BE LOAMED, SEEDED, FERTILIZED AND MULCHED (GRADE LOAM TO DRAIN 1% MIN SLOPE ON TOP OF LEACHIFIELD).

- 11. RECOMMENDED OPERATING PROCEDURES:
 A DUMP SEMTC TAINS ONCE EVERY TWO YEARS.
 B, USE BIODEGRADABLE DETERGENTS.
 C. PAPER PRODUCTS ONLY TO BE FLUSHED. FLUSHABLE BATHROOM PRODUCTS CAN CLOG'THE
- SPITIC SYSTEM.

 D. WATER SAVING DEVICES AND PROCEDURES ARE RECOMMENDED.

 E ANY FUTURE REPLACEMENT SYSTEM, IN NEEDED, SHALL BE LOCATED IN THE SAME LOCATION
 AS THIS DESIGN UNSESS CONDITIONS AT THE TIME OF REALEMENT DICTATE OTHERWISE.

 THE TANK SETS SHALL BE INCREASED BY 50% IF A GARBAGE GRIDDER IS TO BE INSTALLED.
- 13. THE DISTRIBUTION BOX SHALL HAVE S.S.I. INC. FLOW EQUALIZERS INSTALLED IN THE OUTLET PORTS.
- 14. THIS SYSTEM HAS NOT BEEN DESIGNED FOR VEHICULAR TRAFFIC. THEREFORE, THE SYSTEM SHOULD BE PROTECTED FROM ANY WHEEL VEHICLES.
- 15. THE SITE IS LOCATED WITHIN THE NHDES PROTECTIVE SHORELAND.
- 16. THIS SYSTEM HAS NOT BEEN DESIGNED FOR VEHICULAR TRAFFIC. THEREFORE, THE SYSTEM SHOULD BE PROTECTED FROM ANY WHEEL VEHICLES.
- 17. THERE ARE NO JURISDICTIONAL WETLANDS ON WITHIN 75' OF THE SYSTEM.
- 18. THERE ARE NO KNOWN BURIAL SITES, BURIAL GROUNDS, OR CEMETERIES WITHIN 25' OF THE SYSTEM OR ON THE PROPERTY.

TREE NOTE: ALL TREES WITHIN 10 FEET OF PROPOSED EDA TO BE REMOVED AND DISPOSED OF OFF SITE BY THE INSTALLER/CONTRACTOR.

TIE TABLE

UTILITIES NOTE:
ANY UTILITIES LOCATED NEAR THE
EDA FIELD MUST BE RELOCATED BY
THE INSTALLER/CONTRACTOR PRIOR
TO INSTALLATION, CONTRACTOR IS
RESPONSIBLE TO VERIFY ALL UTILITY
LOCATIONS PRIOR TO DEMOLITION
AND CONSTRUCTION.

BLACK 3,000GAL H-20 RATED SEPTIC TANK BIG ISLAND ROAD 19 35' FROM APPOX POTENTIAL WATERCOURSE

LOT LOADING: PAWTUCKAWAY STATE PARK EXCEED 5500 ACRES. PROJECT MEETS LOT LOADING.

TEST SIT 89 GROUND -FOREST FLOOR 7.5YR 2.5/1 2" FINE SANDY LOAM, WEAK FINE 10YR 2/2 6" FINE SANDY LOAM, WEAK FINE GRANULAR, V. FRIABLE 10YR 3/6 14" STONY LOAMY FINE SAND, WEAK MEDIUM SUBANG BLOCKY, V. FRIABLE 10YR 5/4 24" STONY LOAMY FINE SAND, MASSIVE, FRIAN F 10YR 4/3 STONY LOAMY FINE SAND, MASSIVE, FIRM

BATHHOLDS 7
E.S.H.W.T.: NONE TO DEPTH, 72*
WATER OBSERVED: NONE
LEDGE ENCOUNTERED: NONE TO DEPTH, 72*
MESPECTED EV. ADMY DOISON, DORRON ENVIRONMENTAL
DATE: 3 OCTOBER 2023

PERCOLATION TEST DEPTH: 18° RATE: 6 MIN,/INCH

DESIGN INTENT
BOTTOM OF EFFLUENT DISPOSAL AREA TO BE SET AT ELEV.: 306.8 BOTTOM OF FFFLUENT DISSOSAL AREA TO BE SET AT ELEV. 306. B THERE IS APPROXIMATELY 3-4 (THERE DAN DOUR TENTHS) FEET BELOW ORIGINAL GROUND AT THE HIGH CONTOUR OF THE DESIGNEE FFFLUENT DISSOSAL AREA BENCH MARK AND LEVATION DATA TO BE USED TO DETERMINE THE ACTUAL ELEVATION OF THE FIELD FOR GREATER ACCURACY.

EFFLUENT DISPOSAL AREA

CAMPSITES SERVED: 28.67
REQUIRED SEWAGE LOADING: 28.67 x 45 GPD = 1,290 GPD
DESIGN SEWAGE LOADING = 1300 GPD
PERCOLATION RATE: 6 MINS / INCH

RENCHMARKS USED FOR TIE POINTS TO BE LEFT IN PLACE AND VISIBLE UNTIL THE NHOES INSPECTION HAS BEEN COMPLETED AND APPROVED. NO OPEN WATER, WELLS OR ABUTTING FOUNDATIONS WITHIN 75' OF THE PROPOSED EFFLUENT DISPOSAL AREA.

Pawtuckaway State Park

7 Pawtuckaway Road

Nottingham, NH

03290

NH STATE PARKS

Camparound Expansion Project PII

horizens

176 Newport Road, Suite 8; New London NH 03255 (603) 877-0116 www.horizonsengineering.com

PERLUCIATION RAILE : MINNS / INCH ENVIRO-SEPTIC REQUIRED = 650 LF ENVIRO-SEPTIC PROVIDED = 770 LF ORIGINAL, GROUND ELEVATION AT THE HIGH CONTOUR: 310.16 (@ LI BOTTOM OF ENVIRO-SEPTIC PIPE ELEVATION: 306.80

 $\frac{\text{SEPTIC TANK}}{\text{7 v PAITY FLOW}} = 2600 \text{GAL (USE NEXT LARGER COMMERCIAL SIZE)}$ 3000 GAL TANK

VENT REQUIREMENTS AND PLACEMENT
WHERE SHOWS, LOW AND HOW WITH AND REQUIRED TO BRUIRE THAT ARE
SO RAMING COMPARTY. THROUGH THE OFTEN STREET, NO ADDITIONAL
SO RAMING COMPARTY. THROUGH THE OFTEN STREET, NO ADDITIONAL
VENTS MAST REVOIDE AT LEAST THE SAME FLOW CONCETTORS WITH THE SAME FLOW AND ADDITIONAL OWNER THAT
OFTEN THE OFTEN THAT AND AND SHEETING CAPACITIES,
THE CREBING OF THE VIIGH VENT MUST BE AT LEAST 10 FREET ABOVE THE
OFTENS OF THE LOW WEST,

LOW VENTS ARE INSTALLED THROUGH AN OFFSET ADAPTER AT THE END OF EACH SERIAL SYSTEM OR BED.

60% DESIGN



Scale: 1" = 20'

Date: November 3, 2023

Drawn By: CJH



ENVIRO-SEPTIC SYSTEM SLOPED, IN-GROUND BED CAMPGROUND DESIGN (1,300 GPD)

NEW HAMPSHIRE 172 PEMBROKE ROAD CONCORD, NH 03301 PREVIOUS APPROVAL #: NONE

BIG ISLAND CAMPGROUND ROAD NOTTINGHAM, NEW HAMPSHIRE TAX MAP: 76 PARCEL: 2

COUNTY: ROCKINGHAM SUBDIVISION NAME: n/a SUBDIVISION APPROVAL: EXCEPT >5AC

BATHHOUSE 7 SEPTIC PLAN

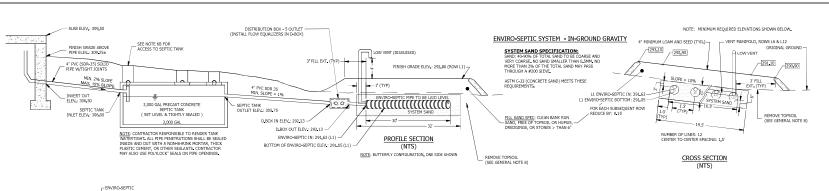
C4.3

Project Number: 23045001 File: 220838 pawtuckaway cono

© 2023 DATE OF PRINT NOVEMBER 06 2023

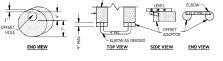
LOCATION MAP

DIRECTIONS: FROM INI-101 EXIT 5, NORTH ON INI-107. AFTER 0.6MI, LEFT TO REMAIN ON INI-107. AFTER 0.1MI, RIGHT ONTO INI-1.56M. AFTER 2.0MI, LEFT ON MOUNTAIN ROAD. AFTER 2.0MI LEFT ON PAWTUCKAWAY ROAD. AFTER 2.3MI, LEFT ON BIG ISLAND CAMPAGNOUND ROAD. AFTER 2.3MI, LEFT ON BIG ISLAND CAMPAGNOUND ROAD. AFTER X.15MI TO SITE.



• %

marin



ENVIRO-SEPTIC OFFSET ADAPTOR DETAIL

- THE CONTRACTOR SHALL ADHERE STRICTLY TO THESE PLANS AND THE REGULATIONS SET FORTH IN THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES MANUAL "SUBDIVISION AND INDIVIDUAL SEWING DISPOSAL SYSTEM DESIGN RULES". CHAPTER ENV-WO 1000, DATED OCTOBER 1, 2016, CURRENT EDITION, AS WELL AS "THE PRESBY WASTEWATER TREATMENT SYSTEM, NEW HAMPSHIRE DESIGN AND INSTALLATION MANUAL", CURRENT
- 2 CALL DIG-SAFE PRIOR TO INSTALLATION

GENERAL NOTES

- 3. SEPTIC SYSTEM SHALL BE INSTALLED BY A NHDES LICENSED INSTALLER.
- TOPOGRAPHY AND SURVEY INFORMATION PROVIDED BY HORIZONS ENGINEERING, INC., OF LITTLETON, NEW HAMPSHIRE. THIS PLAN IS NOT MEANT TO REPRESENT A PROPERTY BOUNDARY SURVEY.
- ENVIRO-SEPTIC LEACHING SYSTEM AS MANUFACTURED BY INFILTRATOR WATER TECHNOLOGIES / PRESBY ENVIRONMENTAL, INC., WHITEFIELD, NH.

- 6. COVER OVER PROPOSED SYSTEM:
 A 18Y MINNIMUM COVER SHALL BE PROVIDED OVER THE PIPE FROM THE BATHHOUSE TO THE
 SPITE TORN O'THE PIPE SHALL BE INSULATED.
 SPITE TORN O'THE PIPE SHALL BE INSULATED.
 SPITE TORN O'THE PIPE SHALL BE INSULATED.
 SPITE SHALL BE SHOULD SHALL BE SHOULD SHALL BE SHOULD SHOULD SHALL BE SH
- 7. IF THE CONTRACTOR DETERMINES THAT EXISTING FIELD CONDITIONS ARE OTHER THAN SHOWN ON THESE PLANS, HE SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND DESIGNER FOR DIRECTIONS, IF COMPACTOR DENCONTRESS DISTING SEPTIC TANK OR MATERIALS, HE SHALL REMOVE THEM OFF SITE WITH RESPECT TO CURRENT LOCAL AND STATE REGULATIONS.
- 8. ALL TREES, ROOTS, LOAM AND OTHER ORGANIC MATTER SHALL BE REMOVED FROM LINDER LEACHFIELD AND SLOPE EXTENSIONS PRIOR TO PLACING FILL PLACE FILL IN 16" LIFTS, CONSOLIDATE AND RAKE BACKFILL SCARIFY SUBGRADE SOIL.
- FILL USED TO RAISE THE EFFLUENT DISPOSAL AREA SHALL BE CLEAN BANK RUN SAND, FREE FROM TOPSOIL, HUMUS, DREDGINGS, OR STONES OR MATERIAL MORE THAN 6" IN DIAMETER.
- 10. ALL DISTURBED AREA SHALL BE LOAMED, SEEDED, FERTILIZED AND MULCHED (GRADE LOAM TO DRAIN 1% MIN SLOPE ON TOP OF LEACHFIELD).

- 11. RECOMMENDED OPERATING PROCEDURES:
 A DUMP SEMTC TAINS ONCE EVERY TWO YEARS.
 B, USE BIODEGRADABLE DETERGENTS.
 C. PAPER PRODUCTS ONLY TO BE FLUSHED. FLUSHABLE BATHROOM PRODUCTS CAN CLOG'THE
- SPITIC SYSTEM.

 D. WATER SAVING DEVICES AND PROCEDURES ARE RECOMMENDED.

 E ANY FUTURE REPLACEMENT SYSTEM, IN NEEDED, SHALL BE LOCATED IN THE SAME LOCATION
 AS THIS DESIGN UNSESS CONDITIONS AT THE TIME OF REALEMENT DICTATE OTHERWISE.

 THE TANK SETS SHALL BE INCREASED BY 50% IF A GARBAGE GRIDDER IS TO BE INSTALLED.
- 13. THE DISTRIBUTION BOX SHALL HAVE S.S.I. INC. FLOW EQUALIZERS INSTALLED IN THE OUTLET PORTS.
- 14. THIS SYSTEM HAS NOT BEEN DESIGNED FOR VEHICULAR TRAFFIC. THEREFORE, THE SYSTEM SHOULD BE PROTECTED FROM ANY WHEEL VEHICLES.
- 15. THE SITE IS LOCATED WITHIN THE NHDES PROTECTIVE SHORELAND.
- 16. THIS SYSTEM HAS NOT BEEN DESIGNED FOR VEHICULAR TRAFFIC. THEREFORE, THE SYSTEM SHOULD BE PROTECTED FROM ANY WHEEL VEHICLES.
- 17. THERE ARE NO JURISDICTIONAL WETLANDS ON WITHIN 75' OF THE SYSTEM.
- 18. THERE ARE NO KNOWN BURIAL SITES, BURIAL GROUNDS, OR CEMETERIES WITHIN 25' OF THE SYSTEM OR ON THE PROPERTY.

© 2023 DATE OF PRINT NOVEMBER 06 2023



TIE TABLE

UTILITIES NOTE:
ANY UTILITIES LOCATED NEAR THE
EDA FIELD MUST BE RELOCATED BY
THE INSTALLER (CONTRACTOR) DRIC

BIG ISLAND ROAD



TEST SIT 46 ROUND -FOREST FLOOR 10YR 3/3 3" DARK BROWN FINE SANDY LOAM, WEAK FINE 10YR 3/6 13" GRAVELLY FINE SANDY LOAN, WEAK FINE GRAVULAR, V. FRIA GRAVELLY FINE SANDY LOAN, HASSIVE, FRIABLE 10YR 5/4 24" 10YR 4/4 44" GRAVELLY FINE SAWDY LOAN MASSIVE, FIRM & FRIABLE 2,5Y 4/3 OLIVE BROWN

PERCOLATION TEST DEPTH: 20° RATE: 6 MIN,/INCH

DESIGN INTENT
BOTTOM OF EFFLUENT DISPOSAL AREA TO BE SET AT ELEV.: 290.55 BOTTOM OF PETHOD IN DISHABASI ARRES AND A HALF FEET BELOW. 20133 THERE IS A PERCOMMATELY 3.2 THERE AND A HALF FEET BELOW. 20130 ORIGINAL GROUND AT THE HIGH COMMON FOR THE DESIGNED FEFTURENT DISHABASI ARRA BENDAMENTAL BENDAMENT OF THE FIELD FOR GREATER ACCURACY.

EFFLUENT DISPOSAL AREA

CAMPSITES SERVED: 28.67 REQUIRED SEWAGE LOADING: 28.67 x 45 GPD = 1,290 GPD DESIGN SEWAGE LOADING = 1300 GPD PERCOLATION RATE: 6 MINS / INCH PERLUCIATION RAILE : MINNS / INUIT ENVIRO-SEPTIC REQUIRED = 650 LF ENVIRO-SEPTIC PROVIDED = 770 LF ORIGINAL, GROUND ELEVATION AT THE HIGH CONTOUR: 294.04 (@ LI BOTTOM OF ENVIRO-SEPTIC PIPE ELEVATION: 291.05 (@ L

SEPTIC TANK 2 × DAILY FLOW = 2600GAL (USE NEXT LARGER COMMERCIAL SIZE) 3000 GAL TANK

RENCHMARKS USED FOR TIE POINTS TO BE LEFT IN PLACE AND VISIBLE UNTIL THE NHOES INSPECTION HAS BEEN COMPLETED AND APPROVED. NO OPEN WATER, WELLS OR ABUTTING FOUNDATIONS WITHIN 75' OF THE PROPOSED EFFLUENT DISPOSAL AREA.

VENT REQUIREMENTS AND PLACEMENT
WHERE SHOWS, LOW AND HOR WITH'S ARE REQUIRED TO BRUIRE THAT ARE
SHOWN COUNTEY THROUGH THE WITHE SYSTEM, NO ADDITIONAL
WITH MY BE LOCATED EXTREMENT THE WIGH WITH AND LOW YEST, MICH
COMMISTIONS WITH THE SYSTEM WITH AND LOW YEST, MICH
COMMISTIONS WITHIN THE SYSTEM WITH ALD HOW STRIKE CAMPACTIES,
THE CPERING OF THE HIGH WISH MUST BE AT LEAST 10 FREET ABOVE THE
OPERING OF THE LOW WITH.

LOW VENTS ARE INSTALLED THROUGH AN OFFSET ADAPTER AT THE END OF EACH SERIAL SYSTEM OR BED.

horizens

176 Newport Road, Suite 8; New London NH 03255 (603) 873-0116 www.horizonsengingsring.com

NH STATE PARKS Camparound Expansion Project PII Pawtuckaway State Park 7 Pawtuckaway Road Nottingham, NH 03290

60% DESIGN

Scale: 1" = 20'

Date: November 3, 2023



LOCATION MAP

DIRECTIONS: FROM NH-101 EXIT 5, NORTH ON NH-107. AFTER 0.6MI, LEFT TO REMAIN ON NH-107. AFTER 0.1MI, RIGHT ONTO NH-156N. AFTER 2.0MI, LEFT ON MOUNTAIN ROAD, AFTER 2.0MI LEFT ON POWTHOCKWAY ROAD, AFTER 2.3MI, LEFT ON BIG ISLAND CAMPAGNUM ROAD, AFTER 2.3MI, LEFT ON BIG ISLAND CAMPAGNUM ROAD, AFTER 2.3MI, LEFT ON BIG ISLAND

ENVIRO-SEPTIC SYSTEM SLOPED, IN-GROUND BED CAMPGROUND DESIGN (1,300 GPD)

NEW HAMPSHIRE 172 PEMBROKE ROAD CONCORD, NH 03301

PREVIOUS APPROVAL #: NONE BIG ISLAND CAMPGROUND ROAD NOTTINGHAM, NEW HAMPSHIRE TAX MAP: 76 PARCEL: 2

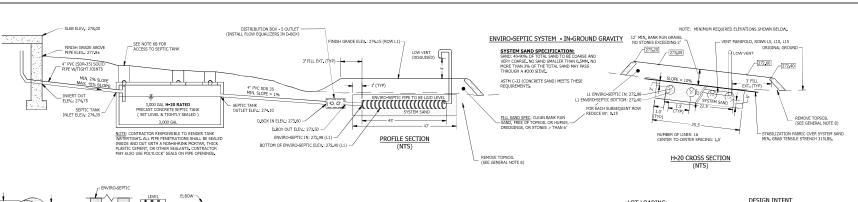
COUNTY: ROCKINGHAM SUBDIVISION NAME: n/a SUBDIVISION APPROVAL: EXCEPT > 5AC

BATHHOUSE 8 SEPTIC PLAN

C4.4

Project Number: 23045001 File: 220838 pawtuckaway cono





END VIEW SIDE VIEW TOP VIEW ENVIRO-SEPTIC OFFSET ADAPTOR DETAIL

-ELBOW AS NEEDED

END VIEW

- THE CONTRACTOR SHALL ADHERE STRICTLY TO THESE PLANS AND THE REGULATIONS SET FORTH IN THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES MANUAL "SUBDIVISION AND INDIVIDUAL SEWING DISPOSAL SYSTEM DESIGN RULES". CHAPTER ENV-WO 1000, DATED OCTOBER 1, 2016, CURRENT EDITION, AS WELL AS "THE PRESBY WASTEWATER TREATMENT SYSTEM, NEW HAMPSHIRE DESIGN AND INSTALLATION MANUAL", CURRENT
- 2 CALL DIG-SAFE PRIOR TO INSTALLATION

GENERAL NOTES

- 3. SEPTIC SYSTEM SHALL BE INSTALLED BY A NHDES LICENSED INSTALLER.
- TOPOGRAPHY AND SURVEY INFORMATION PROVIDED BY HORIZONS ENGINEERING, INC, OF LITTLETON, NEW HAMPSHIRE. THIS PLAN IS NOT MEANT TO REPRESENT A PROPERTY BOUNDARY SURVEY.
- ENVIRO-SEPTIC LEACHING SYSTEM AS MANUFACTURED BY INFILTRATOR WATER TECHNOLOGIES / PRESBY ENVIRONMENTAL, INC., WHITEFIELD, NH.

- 6. COVER OVER PROPOSED SYSTEM:
 A 18Y MINNIMUM COVER SHALL BE PROVIDED OVER THE PIPE FROM THE BATHHOUSE TO THE
 SPITE TORN O'THE PIPE SHALL BE INSULATED.
 SPITE TORN O'THE PIPE SHALL BE INSULATED.
 SPITE TORN O'THE PIPE SHALL BE INSULATED.
 SPITE SHALL BE SHOULD SHALL BE SHOULD SHALL BE SHOULD SHOULD SHALL BE SH
- 7. IF THE CONTRACTOR DETERMINES THAT EXISTING FIELD CONDITIONS ARE OTHER THAN SHOWN ON THESE PLANS, HE SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND DESIGNER FOR DIRECTIONS, IF COMPACTOR DENCONTRESS DISTING SEPTIC TANK OR MATERIALS, HE SHALL REMOVE THEM OFF SITE WITH RESPECT TO CURRENT LOCAL AND STATE REGULATIONS.
- B. ALL TREES, ROOTS, LOAM AND OTHER ORGANIC MATTER SHALL BE REMOVED FROM LINDER LEACHFIELD AND SLOPE EXTENSIONS PRIOR TO PLACING FILL PLACE FILL IN 16" LIFTS, CONSOLIDATE AND RAKE BACKFILL SCARIFY SUBGRADE SOIL.
- FILL USED TO RAISE THE EFFLUENT DISPOSAL AREA SHALL BE CLEAN BANK RUN SAND, FREE FROM TOPSOIL, HUMUS, DREDGINGS, OR STONES OR MATERIAL MORE THAN 6" IN DIAMETER.
- 10. ALL DISTURBED AREA SHALL BE LOAMED, SEEDED, FERTILIZED AND MULCHED (GRADE LOAM TO DRAIN 1% MIN SLOPE ON TOP OF LEACHFIELD).

- 11. RECOMMENDED OPERATING PROCEDURES:
 A DUMP SEMTC TAINS ONCE EVERY TWO YEARS.
 B, USE BIODEGRADABLE DETERGENTS.
 C. PAPER PRODUCTS ONLY TO BE FLUSHED. FLUSHABLE BATHROOM PRODUCTS CAN CLOG'THE
- SPITIC SYSTEM.

 D. WATER SAVING DEVICES AND PROCEDURES ARE RECOMMENDED.

 E ANY FUTURE REPLACEMENT SYSTEM, IN NEEDED, SHALL BE LOCATED IN THE SAME LOCATION
 AS THIS DESIGN UNSESS CONDITIONS AT THE TIME OF REALEMENT DICTATE OTHERWISE.

 THE TANK SETS SHALL BE INCREASED BY 50% IF A GARBAGE GRIDDER IS TO BE INSTALLED.
- 13. THE DISTRIBUTION BOX SHALL HAVE S.S.I. INC. FLOW EQUALIZERS INSTALLED IN THE OUTLET PORTS.
- 14. THIS SYSTEM HAS NOT BEEN DESIGNED FOR VEHICULAR TRAFFIC. THEREFORE, THE SYSTEM SHOULD BE PROTECTED FROM ANY WHEEL VEHICLES.
- 15. THE SITE IS LOCATED WITHIN THE NHDES PROTECTIVE SHORELAND.
- 17. THERE ARE NO JURISDICTIONAL WETLANDS ON WITHIN 75' OF THE SYSTEM.
- 18. THERE ARE NO KNOWN BURIAL SITES, BURIAL GROUNDS, OR CEMETERIES WITHIN 25' OF THE SYSTEM OR ON THE PROPERTY.

© 2023 DATE OF PRINT NOVEMBER 06 2023



TIE TABLE

3,000GAL H-20 RATED SEPTIC TANK INV IN: 274.35 INV OUT: 274.10 7/4

10-

LOT LOADING: PAWTUCKAWAY STATE PARK EXCEED 5500 ACRES. PROJECT MEETS LOT LOADING.

TEST DIT #4 EXISTING GROUND - FOREST FLOOR 10YR 3/2 3" GRAVELLY LOAMY SAND, MASSIVE, V. FRIABLE (FILL) 10YR 3/3 18" V.FRIABLE (FILL)
GRAVELLY LOADY SAND,
SINGLE GRAIN, LOOSE (FILL)
GRAVELLY FINE SANDY LOAM, WEAK
FINE GRANULAR, V.FRIABLE (HDDING) 10YR 3/4 26* 10YR 3/2 27 GRAVELLY FINE SANDY LOAM, MOD.MED.SUBANG.BLOCKY, FRIABLE 10YR 4/6 35 DARK YELLOWISH BROWN 10YR 4/4 FINE SANDY LOAM, MASSIVE, DARK YELLOWISH BROWN 10YR 4/4 72

0 MIN BROW

PERCOLATION TEST DEPTH: 28° RATE

LOCATION MAP

VENT REQUIREMENTS AND PLACEMENT
WHERE SHOWS, LOW AND HOR WITH'S ARE REQUIRED TO BRUIRE THAT ARE
SHOWN COUNTEY THROUGH THE WITHE SYSTEM, NO ADDITIONAL
WITH MY BE LOCATED EXTREMENT THE WIGH WITH AND LOW YEST, MICH
COMMISTIONS WITH THE SYSTEM WITH AND LOW YEST, MICH
COMMISTIONS WITHIN THE SYSTEM WITH ALD HOW STRIKE CAMPACTIES,
THE CPERING OF THE HIGH WISH MUST BE AT LEAST 10 FREET ABOVE THE
OPERING OF THE LOW WITH.

DESIGN INTENT
BOTTOM OF EFFLUENT DISPOSAL AREA TO BE SET AT ELEV.: 271.90 BOTTOM OF EFFLUENT DISPOSAL AREA TO BE SET AT ELEV. 271.90 THERE IS APPOXIMATELY 3.85 FEET BELOW ORIGINAL GROUND AT THE HIGH CONTOUR OF THE DESIGNED EFFLUENT DISPOSAL AREA BENCH MARK AND ELEVATION DATA TO BE USED TO DETERMINE THE ACTUAL ELEVATION OF THE FIELD FOR GREATER ACCURACY.

EFFLUENT DISPOSAL AREA

CAMPSITES SERVED: 28.67
REQUIRED SEWAGE LOADING: 28.67 x 45 GPD = 1,290 GPD
DESIGN SEWAGE LOADING = 1300 GPD PERLOLATION RAI E: MINEY JIWI ENVIRO-SEPTIC REQUIRED = 715 LF ENVIRO-SEPTIC PROVIDED = 720 LF ENGIGIMAL GROUND ELEVATION AT THE HIGH CONTOUR: 275.75 (@ LI BOTTOM OF ENVIRO-SEPTIC PIPE ELEVATION: 272.40 (@ L

 $\frac{\text{SEPTIC TANK}}{\text{7 v PAITY FLOW}} = 2600 \text{GAL (USE NEXT LARGER COMMERCIAL SIZE)}$

RENCHMARKS USED FOR TIE POINTS TO BE LEFT IN PLACE AND VISIBLE UNTIL THE NHOES INSPECTION HAS BEEN COMPLETED AND APPROVED. NO OPEN WATER, WELLS OR ABUTTING FOUNDATIONS WITHIN 75' OF THE PROPOSED EFFLUENT DISPOSAL AREA.

LOW VENTS ARE INSTALLED THROUGH AN OFFSET ADAPTER AT THE END OF EACH SERIAL SYSTEM OR BED.

NH STATE PARKS

horizens

176 Newport Road, Suite 8; New London NH 03255 (603) 873-0116 www.horizonsengingsring.com

Camparound Expansion Project PII Pawtuckaway State Park 7 Pawtuckaway Road Nottingham, NH 03290

60% DESIGN

Scale: 1" = 20'

Date: November 3, 2023

Drawn By: CJH



BATHHOUSE 9 SEPTIC PLAN

C4.5

Project Number: 23045001

ENVIRO-SEPTIC SYSTEM SLOPED, IN-GROUND BED CAMPGROUND DESIGN (1,300 GPD)

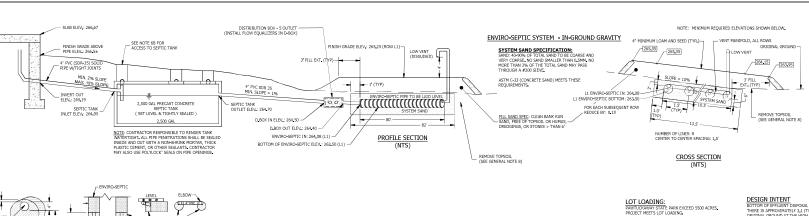
NEW HAMPSHIRE 172 PEMBROKE ROAD CONCORD, NH 03301 PREVIOUS APPROVAL #: NONE

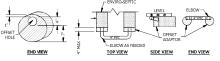
BIG ISLAND CAMPGROUND LOOP NOTTINGHAM, NEW HAMPSHIRE TAX MAP: 76 PARCEL: 2 COUNTY: ROCKINGHAM SUBDIVISION NAME: n/a SUBDIVISION APPROVAL: EXCEPT >5AC

File: 220838 pawtuckaway cono

UTILITIES NOTE:
ANY UTILITIES LOCATED NEAR THE
EDA FIELD MUST BE RELOCATED BY
THE INSTALLER/CONTRACTOR PRIOR
TO INSTALLATION, CONTRACTOR IS
RESPONSIBLE TO VERIFY ALL UTILITY
LOCATIONS PRIOR TO DEMOLITION
AND CONSTRUCTION. DIRECTIONS: FROM IN-1.01 EXIT 5, NORTH ON IN-1.07. AFTER 0.5MI, LEFT TO REMAIN ON IN-1.07. AFTER 0.1MI, RIGHT ONTO IN-1.56M. AFTER 2.0MI, LEFT ON MODITAIN RODA, AFTER 2.0MI LEFT ON PANUTUCKAWAY RODA, AFTER 2.3MI, LEFT ON BIG ISLAND CAMPGROUND ROAD, AFTER 0.25MI, RIGHT ON LOOP ROAD, AFPROX 0.15MI TO SITE.

BIG ISLAND ROAD





ENVIRO-SEPTIC OFFSET ADAPTOR DETAIL

GENERAL NOTES

- THE CONTRACTOR SHALL ADHERE STRICTLY TO THESE PLANS AND THE REGULATIONS SET FORTH IN THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES MANUAL "SUBDIVISION AND INDIVIDUAL SEWING DISPOSAL SYSTEM DESIGN RULES". CHAPTER ENV-WO 1000, DATED OCTOBER 1, 2016, CURRENT EDITION, AS WELL AS "THE PRESBY WASTEWATER TREATMENT SYSTEM, NEW HAMPSHIRE DESIGN AND INSTALLATION MANUAL", CURRENT
- 2 CALL DIG-SAFE PRIOR TO INSTALLATION
- 3. SEPTIC SYSTEM SHALL BE INSTALLED BY A NHDES LICENSED INSTALLER.
- TOPOGRAPHY AND SURVEY INFORMATION PROVIDED BY HORIZONS ENGINEERING, INC., OF LITTLETON, NEW HAMPSHIRE. THIS PLAN IS NOT MEANT TO REPRESENT A PROPERTY BOUNDARY SURVEY.
- 5. ENVIRO-SEPTIC LEACHING SYSTEM AS MANUFACTURED BY INFILTRATOR WATER TECHNOLOGIES / PRESBY ENVIRONMENTAL, INC., WHITEFIELD, NH.

- 6. COVER OVER PROPOSED SYSTEM:
 A 18Y MINNIMUM COVER SHALL BE PROVIDED OVER THE PIPE FROM THE BATHHOUSE TO THE
 SPITE TORN O'THE PIPE SHALL BE INSULATED.
 SPITE TORN O'THE PIPE SHALL BE INSULATED.
 SPITE TORN O'THE PIPE SHALL BE INSULATED.
 SPITE SHALL BE SHOULD SHALL BE SHOULD SHALL BE SHOULD SHOULD SHALL BE SH
- 7. IF THE CONTRACTOR DETERMINES THAT EXISTING FIELD CONDITIONS ARE OTHER THAN SHOWN ON THESE PLANS, HE SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND DESIGNER FOR DIRECTIONS, IF COMPACTOR DENCONTRESS DISTING SEPTIC TANK OR MATERIALS, HE SHALL REMOVE THEM OFF SITE WITH RESPECT TO CURRENT LOCAL AND STATE REGULATIONS.
- B. ALL TREES, ROOTS, LOAM AND OTHER ORGANIC MATTER SHALL BE REMOVED FROM LINDER LEACHFIELD AND SLOPE EXTENSIONS PRIOR TO PLACING FILL PLACE FILL IN 16" LIFTS, CONSOLIDATE AND RAKE BACKFILL SCARIFY SUBGRADE SOIL.
- FILL USED TO RAISE THE EFFLUENT DISPOSAL AREA SHALL BE CLEAN BANK RUN SAND, FREE FROM TOPSOIL, HUMUS, DREDGINGS, OR STONES OR MATERIAL MORE THAN 6" IN DIAMETER.
- 10. ALL DISTURBED AREA SHALL BE LOAMED, SEEDED, FERTILIZED AND MULCHED (GRADE LOAM TO DRAIN 1% MIN SLOPE ON TOP OF LEACHFIELD).

- 11. RECOMMENDED OPERATING PROCEDURES:
 A DUMP SEMICI TAINS ONCE EVERY TWO YEARS.
 B, USE BIODEGRADABLE DETERCENTS.
 C. PAPER PRODUCTS ONLY TO BE FLUSHED. FLUSHABLE BATHROOM PRODUCTS CAN CLOG THE
- SPITIC SYSTEM.

 D. WATER SAVING DEVICES AND PROCEDURES ARE RECOMMENDED.

 E ANY FUTURE REPLACEMENT SYSTEM, IN NEEDED, SHALL BE LOCATED IN THE SAME LOCATION
 AS THIS DESIGN UNSESS CONDITIONS AT THE TIME OF REALEMENT DICTATE OTHERWISE.

 THE TANK SETS SHALL BE INCREASED BY 50% IF A GARBAGE GRIDDER IS TO BE INSTALLED.
- 13. THE DISTRIBUTION BOX SHALL HAVE S.S.I. INC. FLOW EQUALIZERS INSTALLED IN THE OUTLET PORTS.
- 14. THIS SYSTEM HAS NOT BEEN DESIGNED FOR VEHICULAR TRAFFIC. THEREFORE, THE SYSTEM SHOULD BE PROTECTED FROM ANY WHEEL VEHICLES.
- 15. THE SITE IS LOCATED WITHIN THE NHDES PROTECTIVE SHORELAND.
- 16. THIS SYSTEM HAS NOT BEEN DESIGNED FOR VEHICULAR TRAFFIC. THEREFORE, THE SYSTEM SHOULD BE PROTECTED FROM ANY WHEEL VEHICLES.
- 17. THERE ARE NO JURISDICTIONAL WETLANDS ON WITHIN 75' OF THE SYSTEM.
- 18. THERE ARE NO KNOWN BURIAL SITES, BURIAL GROUNDS, OR CEMETERIES WITHIN 25' OF THE SYSTEM OR ON THE PROPERTY.

© 2023 DATE OF PRINT NOVEMBER 06 2023



UTILITIES NOTE:
ANY UTILITIES LOCATED NEAR THE
EDA FIELD MUST BE RELOCATED BY
THE INSTALLER/CONTRACTOR PRIOR
TO INSTALLATION, CONTRACTOR IS
RESPONSIBLE TO VERIFY ALL UTILITY
LOCATIONS PRIOR TO DEMOLITION
AND CONSTRUCTION.

2 SONGAL SEPTIC T INV IN: 264.95 INV OUT: 264.70 8-OUTLET D-BOX -INV IN: 264-50 INV OUT: 264-40 BUT IOW OF PHYLLION IN USING AN AREA OF SET AIT LEVEL BELOW ORIGINAL GROUND AT THE HIGH CONTUNE OF THE DESIGNED OF SETUPLINE THE HIGH CONTUNE OF THE DESIGNED OF SETUPLINE TO SEPONDAL AREA BENCH MARK AND LEVATION OF THE FIELD FOR GREATER ACCURACY.

EFFLUENT DISPOSAL AREA

CAMPSITES SERVED: 26.67 REQUIRED SEWAGE LOADING: 26.67 x 45 GPD = 1,200 GPD DESIGN SEWAGE LOADING = 1200 GPD PERCOLATION RATE: 6 MINS / INCH

TEST SIT #1

UND -FOREST FLOOR

10YR 2/2 2"

10YR 2/2 8"

10YR 3/6 20"

10YR 4/4 28"

BATHHOUSE S
E.S.H.W.T., MONE TO DEPTH, 50"
WATER CRISTRYED MONE
LEDGE ENCOUNTERED: POSSER, EAT 50"
INSPECTED BY ADAM COIRCN, DOIRON ENVIRONMENTAL
DATE: 2 OCTOBER 2023

PERCOLATION TEST DEPTH: 22" RATE: 6 MIN, JINCH

10YR 4/4

FINE SANDY LOAM, WEAK FINE

FINE SANDY LOAM, WEAK FINE GRANULAR, V. FRIABLE

GRAVELLY LOAMY FINE SAND, MASSIVE, FIRM & FRIABLE

LOCATION MAP

DIRECTIONS: FROM NH-LOL EXIT S, NORTH ON NH-LOT, AFTER 0.5MI, LEFT TO REMAIN ON NH-LOT, AFTER 0.5MI, RIGHT ONTO NH-159N, AFTER 2.5MI, LEFT ON NOUNTAIN RODA, AFTER 2.5MI, LEFT ON NOUNTAIN RODA, AFTER 2.5MI, LEFT ON NOUNTAIN LEFT ON PANTOCKAWAY RODA, AFTER 2.5MI, LEFT ON NOSSE IS, AND CAMPERCOUND RODA, AFTER 0.1MI, RIGHT AT TEE, AFFERX 0.0MI TO SITE.

GRAVELLY LOAMY FINE SAND, NASSIVE FRIARI F

VERY DARK BROWN

DARK YELLOWISH BROW

YELLOWISH BROWN

DESIGN INTENT
BOTTOM OF EFFLUENT DISPOSAL AREA TO BE SET AT ELEV.: 263.00

PERCOLATION KAIE: MINS JINUT ENVIRO-SEPTIC REQUIRDE - 600 LF ENVIRO-SEPTIC PROVIDED = 640 LF ORIGINAL GROUND ELEVATION AT THE HIGH CONTOUR: 265.14 (@ LI BOTTOM OF ENVIRO-SEPTIC PIPE ELEVATION: 263.50

SEPTIC TANK 2 x DAILY FLOW = 2400GAL (USE NEXT LARGER COMMERCIAL SIZE) 2,500 GAL TANK

RENCHMARKS USED FOR TIE POINTS TO BE LEFT IN PLACE AND VISIBLE UNTIL THE NHOES INSPECTION HAS BEEN COMPLETED AND APPROVED. NO OPEN WATER, WELLS OR ABUTTING FOUNDATIONS WITHIN 75' OF THE PROPOSED EFFLUENT DISPOSAL AREA.

VENT REQUIREMENTS AND PLACEMENT
WHERE SHOWS, LOW AND HOR WITH'S ARE REQUIRED TO BRUIRE THAT ARE
SHOWN COUNTEY THROUGH THE WITHE SYSTEM, NO ADDITIONAL
WITH MY BE LOCATED EXTREMENT THE WIGH WITH AND LOW YEST, MICH
COMMISTIONS WITH THE SYSTEM WITH AND LOW YEST, MICH
COMMISTIONS WITHIN THE SYSTEM WITH ALD HOW STRIKE CAMPACTIES,
THE CPERING OF THE HIGH WISH MUST BE AT LEAST 10 FREET ABOVE THE
OPERING OF THE LOW WITH.

LOW VENTS ARE INSTALLED THROUGH AN OFFSET ADAPTER AT THE END OF EACH SERIAL SYSTEM OR BED.

horizens

176 Newport Road, Suite 8; New London NH 03255 (603) 873-0116 www.horizonsengingsring.com

NH STATE PARKS

Camparound Expansion Project PII

60% DESIGN

Pawtuckaway State Park

7 Pawtuckaway Road

Nottingham, NH

Scale: 1" = 20' Date: November 3, 2023

Drawn By: CJH

03290

ENVIRO-SEPTIC SYSTEM SLOPED, IN-GROUND BED CAMPGROUND DESIGN (1,200 GPD)

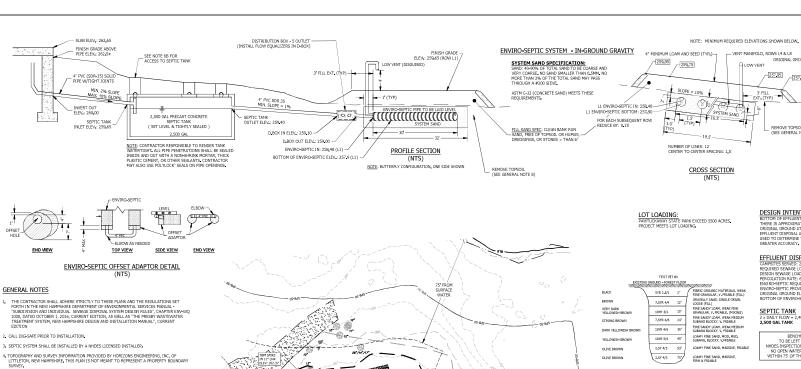
NEW HAMPSHIRE 172 PEMBROKE ROAD CONCORD, NH 03301 PREVIOUS APPROVAL #: NONE

HORSE ISLAND CAMPGROUND SPUR NOTTINGHAM, NEW HAMPSHIRE TAX MAP: 76 PARCEL: 2 COUNTY: ROCKINGHAM SUBDIVISION NAME: n/a SUBDIVISION APPROVAL: EXCEPT > 5AC **BATHHOUSE 5** SEPTIC PLAN

C4.6

Project Number: 23045001 File: 220838 pawtuckaway cono

TIE TABLE



SOOGAL SEPTIC TANK HORSE ISLAND ROAD

DESIGN INTENT
BOTTOM OF EFFLUENT DISPOSAL AREA TO BE SET AT ELEV.: 257.40 BUT ION OF EFFEUENT IDENSAL AREA TO BE SET AT LEEV; 327-JU THERE IS A PROXIMATELY 4.2 (FOUR AND TWO TENTHS) FEET BELOW ORIGINAL GROUND AT THE HIGH CONTOUR OF THE DESIGNED EFFLUENT DISPOSAL AREA. BENCH MARK AND ELEVATION DATA TO BE USED TO DETERMINE THE ACTUAL ELEVATION OF THE FIELD FOR

EFFLUENT DISPOSAL AREA

CAMPSITES SERVED: 26.67 REQUIRED SEWAGE LOADING: 26.67 x 45 GPD = 1,200 GPD DESIGN SEWAGE LOADING = 1200 GPD PERCOLATION RATE: 6 MINS / INCH PERCOLATION NATE: 6 Mins / Inv.n ENVIRO-SEPTIC REQUIRED = 600 LF ENVIRO-SEPTIC PROVIDED = 600 LF ORIGINAL GROUND ELEVATION AT THE HIGH CONTOUR: 261.6 (@ LI BOTTOM OF ENVIRO-SEPTIC PIPE ELEVATION: 257.90

SEPTIC TANK

2 x DAILY FLOW = 2,400GAL (USE NEXT LARGER COMMERCIAL SIZE)

2,500 GAL TANK

RENCHMARKS USED FOR TIE POINTS TO BE LEFT IN PLACE AND VISIBLE UNTIL THE NHOES INSPECTION HAS BEEN COMPLETED AND APPROVED. NO OPEN WATER, WELLS OR ABUTTING FOUNDATIONS WITHIN 75' OF THE PROPOSED EFFLUENT DISPOSAL AREA.

VENT REQUIREMENTS AND PLACEMENT
WHERE SHOWN, LOW AND HIGH WENTS ARE REQUIRED TO ENSURE THAT AIL WHERE SHOWN, LOW AND HON VEHTS ARE REQUIRED TO BRISINE THAT ARE IS DRAWN COMPRETED THROUGH THE RITHER SYSTEM, NO ADDITIONAL VEHTS MAY BE LOCATED BETWEEN THE HIGH VEHT AND LOW VEHT, HIGH VEHTS MUST ROWIDE AT LEAST THE SAME FLOW CAPACITY AS LOW VEHTS, CONNECTIONS WITHER THE SYSTEM NUST MAJO HAVE SWILLAR CAPACITIES THE CAPBILING OF THE HIGH VEHT MUST BE AT LEAST 10 PIET ABOVE THE OPERIOR OF THE HIGH VEHT MUST BE AT LEAST 10 PIET ABOVE THE OPERIOR OF THE HIGH VEHT MUST BE AT LEAST 10 PIET ABOVE THE OPERIOR OF THE HIGH VEHT MUST BE AT LEAST 10 PIET ABOVE THE OPERIOR OF THE HIGH VEHT MUST BE AT LEAST 10 PIET ABOVE THE OPERIOR OF THE HIGH VEHT MUST BE AT LEAST 10 PIET ABOVE THE

NH STATE PARKS

horizens

176 Newport Road, Suite 8; New London NH 03255 (603) 873-0116 www.horizonsengingsring.com

Camparound Expansion Project PII Pawtuckaway State Park 7 Pawtuckaway Road Nottingham, NH 03290

60% DESIGN

Scale: 1" = 20'

Date: November 3, 2023

Drawn By: CJH

ENVIRO-SEPTIC SYSTEM SLOPED, IN-GROUND BED **BATHHOUSE 6** CAMPGROUND DESIGN (1,200 GPD)

SEPTIC PLAN

C4.7

Project Number: 23045001 File: 220838 pawtuckaway cond

LOW VENTS ARE INSTALLED THROUGH AN OFFSET ADAPTER AT THE END OF EACH SERIAL SYSTEM OR RED.

LOAMY FINE SAND, MASSIVE FIRM & FRIABLE

OLIVE BROWN

PERCOLATION TEST DEPTH: 24°

LOCATION MAP

DIRECTIONS: FROM NH-101 EXIT 5, MORTH ON NH-107. AFTER 0.5MI, LEFT TO REMAIN ON NH-107. AFTER 0.1MI, RIGHT ONTO NH-1556N, AFTER 2.5MI, LEFT ON MOUNTAIN ROAD, AFTER R. OWN LEFT ON PAVITUCKAMAY ROAD, AFTER R. 2.5MI, LEFT ON HORSE ISLAND CAMPGROUND ROAD, AFTER 0.05MI, LEFT ON CAMPGROUND LOOP, AFTER 0.05MI, LEFT ON CAMPGROUND LOOP, AFTER 0.05MI TO SITE.

NEW HAMPSHIRE

172 PEMBROKE ROAD CONCORD, NH 03301 PREVIOUS APPROVAL #: NONE

COUNTY: ROCKINGHAM SUBDIVISION NAME: n/a SUBDIVISION APPROVAL: EXCEPT > 5AC

18. THERE ARE NO KNOWN BURIAL SITES, BURIAL GROUNDS, OR CEMETERIES WITHIN 25' OF THE SYSTEM OR ON THE PROPERTY. © 2023 DATE OF PRINT NOVEMBER 06 2023

ENVIRO-SEPTIC LEACHING SYSTEM AS MANUFACTURED BY INFILTRATOR WATER TECHNOLOGIES / PRESBY ENVIRONMENTAL, INC., WHITEFIELD, NH.

6. COVER OVER PROPOSED SYSTEM:
A 18 MINNMUM COVER SHALL SE PROVIDED OVER THE PIPE FROM THE BATHHOUSE TO THE
SETTLY BROWN COVER SHALL SE PROVIDED OVER THE PIPE FROM THE BATHHOUSE TO THE
SETTLY BROWN COVER TO SE STATE OVER THE SHALL SERVICE TO THE TAKE
OFFICE OF THE STATE OVER THE SHALL SH

7. IF THE CONTRACTOR DETERMINES THAT EXISTING FIELD CONDITIONS ARE OTHER THAN SHOWN ON THESE PLANS, HE SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND DESIGNER FOR DIRECTIONS, IF COMPACTOR DENCONTRESS DISTING SEPTIC TANK OR MATERIALS, HE SHALL REMOVE THEM OFF SITE WITH RESPECT TO CURRENT LOCAL AND STATE REGULATIONS.

B. ALL TREES, ROOTS, LOAM AND OTHER ORGANIC MATTER SHALL BE REMOVED FROM LINDER LEACHFIELD AND SLOPE EXTENSIONS PRIOR TO PLACING FILL PLACE FILL IN 16" LIFTS, CONSOLIDATE AND RAKE BACKFILL SCARIFY SUBGRADE SOIL.

 FILL USED TO RAISE THE EFFLUENT DISPOSAL AREA SHALL BE CLEAN BANK RUN SAND, FREE FROM TOPSOIL, HUMUS, DREDGINGS, OR STONES OR MATERIAL MORE THAN 6" IN DIAMETER. 10. ALL DISTURBED AREA SHALL BE LOAMED, SEEDED, FERTILIZED AND MULCHED (GRADE LOAM TO DRAIN 1% MIN SLOPE ON TOP OF LEACHFIELD). 11. RECOMMENDED OPERATING PROCEDURES:
A DUMP SEMTC TAINS ONCE EVERY TWO YEARS.
B, USE BIODEGRADABLE DETERGENTS.
C. PAPER PRODUCTS ONLY TO BE FLUSHED. FLUSHABLE BATHROOM PRODUCTS CAN CLOG'THE SPITIC SYSTEM.

D. WATER SAVING DEVICES AND PROCEDURES ARE RECOMMENDED.

E ANY FUTURE REPLACEMENT SYSTEM, IN NEEDED, SHALL BE LOCATED IN THE SAME LOCATION
AS THIS DESIGN UNSESS CONDITIONS AT THE TIME OF REALEMENT DICTATE OTHERWISE.

THE TANK SETS SHALL BE INCREASED BY 50% IF A GARBAGE GRIDDER IS TO BE INSTALLED.

13. THE DISTRIBUTION BOX SHALL HAVE S.S.I. INC. FLOW EQUALIZERS INSTALLED IN THE OUTLET PORTS.

14. THIS SYSTEM HAS NOT BEEN DESIGNED FOR VEHICULAR TRAFFIC. THEREFORE, THE SYSTEM SHOULD BE PROTECTED FROM ANY WHEEL VEHICLES.

15. THE SITE IS LOCATED WITHIN THE NHDES PROTECTIVE SHORELAND.

17. THERE ARE NO JURISDICTIONAL WETLANDS ON WITHIN 75' OF THE SYSTEM.

TIE TABLE

UTILITIES NOTE:
ANY UTILITIES LOCATED NEAR THE
EDA FIELD MUST BE RELOCATED BY
THE INSTALLER/CONTRACTOR PRIOR
TO INSTALLATION, CONTRACTOR IS
RESPONSIBLE TO VERIFY ALL UTILITY
LOCATIONS PRIOR TO DEMOLITION
AND CONSTRUCTION.

HORSE ISLAND CAMPGROUND LOO NOTTINGHAM, NEW HAMPSHIRE TAX MAP: 76 PARCEL: 2

TREE NOTE: ALL TREES WITHIN 10 FEET OF PROPOSED EDA TO BE REMOVED AND DISPOSED OF OFF SITE BY THE INSTALLER/CONTRACTOR.

SEEDBED PREPARATION
A SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING
ON WINTER KILLING OF THE PLANTS.

B. STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING SIGNED MOKEST HIMM INTERES AND INCOME SHOULD BE REPORTED BEACHES. HET WILLIPFIELS WILL SEEDING AND PUTURE MANUFEMENT OF THE AREAL WHERE FRESHIEL, THE SOIL SHOULD BE AMENDED WITH ORGANIC MATTER AND TILLED TO A DEPTH OF ABOUT INVICES TO PREPARE A SEEDERD AND MIX FERTILIZER AND LIME THOROUGHLY HITO THE SOIL THE SEEDERS SHOULD BE LEFT IN A RESONANCE FIRM AND SHOULD CONDITION. THE LIST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.

ESTABLISHING VEGETATION

A. I IMP AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL, KINDS AND ANOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM ANOUNTS SHOULD BE APPLIED:

-AGRICULTURAL LIMESTONE, 2 TONS PER ACRE OR 100 LBS, PER 1,000 SQ, FT, -MITROGEN (M), 50 LBS, PER ACRE OR 1.1 LBS, PER 1,000 SQ, FT, -MYSHATE (F, 60), 1100 LBS, PER ACRE OR 2.2 LBS, PER 1,000 SQ, FT, -POTASH (K,0), 100 LBS, PER ACRE OR 2.2 LBS, PER 1,000 SQ, FT,

(NOTE: THIS IS THE EQUIVALENT OF 500 LBS, PER ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS, PER ACRE OF

B. SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE, METHOOS INCLUDE BROADCASTING, DRILLING, AND HYDROSEEDING WHERE BROADCASTING IS USED, COVER SEED WITH 25 INCH OF SOLI OR LESS, BY CULTIFACIDIG OR RANDIN.

C. SEEDING GUIDE:

	SEEDING		SOIL TYPE		
USE	MIXTURE (SEE 3D)	DROUGHTY	WELL DRAINED	MOD, WELL DRAINED	POORLY DRAINED
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A B C	FAIR POOR FAIR	GOOD GOOD EXCELLENT	GOOD FAIR EXCELLENT	FAIR FAIR POOR
WATERWAYS, EMERGENCY SPILL- WAYS, AND OTHER CHANNELS WITH FLOWING WATER	A	GOOD	GOOD	G00D	FAIR
LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSED LANDS, AND LOW	A B	GOOD GOOD	GOOD	GOOD FAIR	FAIR POOR

D. SEEDING RATES:

MIXTURE	PER ACRE	1,000 SQ FT
A TALL FESCUE	20	0.45
CREEPING RED FESCUE	20	0.45
REDTOP	2	0.05
TOTAL:	42	0.95
B TALL FESCUE	15	0.35
CREEPING RED FESCUE	10	0.25
CROWN VETCH OR	15 OR	0.35 OR
FLATPEA	30	0.75
TOTAL:	40 OR 55	0.95 OR 1.35
C TALL FESCUE	20	0.45
FLATPEA	30	0.75
TOTAL:	50	1.20

E. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO SEPTEMBER 15.
WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OF

TEMPORARY	SEEDING	RATE

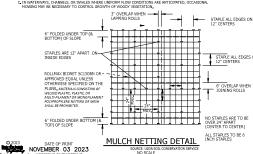
- ICHPORMI S	i ccomo ion		
SPECIES	POUNDS PER ACRE	POUNDS PER 1,000 SQ. FT.	REMARKS
WINTER RYE	112	2.5	BEST FOR FALL SEEDING. SEED FROM AUGUST TO SEPTEMBER 5TH FOR BEST COVER. SEED TO A DEPTH OF 1 INCH.
OATS	90	2,0	BEST FOR SPRING SEEDING. SEED NO LATER THAN MAY 15TH FOR SUMMER PROTECTION. SEED TO A DEPTH OF 1 INCH.
ANNUAL RYEGRASS	40	1.0	GROWS QUICKLY, BUT IS OF SHORT DURATION. USE WHERE APPEARANCES ARE NOT IMPORTANT. SEED EARLY SPRING AND/OR BETWEEN AUGUST 15TH AND SEPTEMBER 15TH COVER SEED WITH NO MORE THAN 0.25 INCH OF SOIL.
PERENNIAL RYEGRASS	30	0.7	GOOD COVER WHICH IS LONGER LASTING THAN ANNUAL RYEGRASS, SEED BETWEEN APRIL IST AND JUNE IST AND JUNE BETWEEN AUGUST ISTH AND SEPTEMBER ISTH. MULCHING WILL ALLOW SEEDING THROUGHOUT THE GROWING SEASON. SEED TO A DEPTH OF A PROXIMATELY OLD INCH.

MULCH
 A. HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.

B. MULCH WILL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE BEST MANAGEMENT PRACTICE FOR MULCHING

5. MAINTENANCE TO ESTABLISH A STAND
A. PLANTED AREAS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED

B. FERTILIZATION NEEDS SHOULD BE DETERMINED BY ON SITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIALS TAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.



EROSION CONTROL GENERAL NOTES

- A. KEEP SITE MODIFICATION TO A MINIMUM

 1. CONSIDER HITHIG THE BUILDINGS AND STREETS TO THE NATURAL TOPOGRAPHY. THIS REDUCES THE NEED FOR CUTS AND FILLS. AVOID EXTENSIVE GRADING THAT WOULD ALTER DRAINAGE PATTERNS OR CREATE VERY STEEP SLOPES.
- 2. EXPOSE AREAS OF BARE SOIL TO EROSIVE ELEMENTS FOR THE SHORTEST TIME POSSIBLE.

5. AVOID SUBSTANTIAL INCREASE IN RUNOFF LEAVING THE SITE

B. MINIMIZE POLLUTION OF WATER DURING CONSTRUCTION ACTIVITIES STOCKPILE TOPSOIL REMOVED FROM CONSTRUCTION AREA AND SPREAD OVER ANY DISTURBED AREAS PRIOR TO REVEGETATION. TOPSOIL STOCKPILES MUST BE PROTECTED FROM EROSION.

- PROTECT BARE SOIL AREAS EXPOSED BY GRADING ACTIVITIES WITH TEMPORARY VEGETATION OR MULCHES.
- USE SEDIMENT BASINS TO TRAP DEBRIS AND SEDIMENT WHICH WILL PREVENT THESE
 MATERIALS FROM MOVING OFF SITE.
- USE DIVERSIONS TO DIRECT WATER AROUND THE CONSTRUCTION AREA AND AWAY FROM EROSION PRONE AREAS TO POINTS OF SAFE DISPOSAL.
- 5. USE TEMPORARY CULVERTS OR BRIDGES WHEN CROSSING STREAMS WITH EQUIPMENT.
- PLACE CONSTRUCTION FACILITIES, MATERIALS, AND EQUIPMENT STORAGE AND MAINTENANCE AREAS AWAY FROM DRAINAGE WAYS.

- C. PROTECT AREA AFTER CONSTRUCTION.

 1. ESTABLISH GRASS OR OTHER SUITABLE VEGETATION ON ALL DISTURBED AREAS. SELECT SPECIES AMOPTED TO THE SITE CONDITIONS AND THE FUTURE USE OF THE AREA. FINAL GRADES SHALL BE SECIEDD WITHIN 72 HOURS. STABILIZATION SHALL BE DEFINED AS 85% VEGETATIVE COVER.
- MAINTAIN VEGETATED AREAS USING PROPER VEGETATIVE 'BEST MANAGEMENT PRACTICES' DURING THE CONSTRUCTION PERIOD.
- MAINTAIN NEEDED STRUCTURAL 'BEST MANAGEMENT PRACTICES' AND REMOVE SEDIMENT FROM DETENTION PONDS AND SEDIMENT BASINS AS NEEDED.
- 4. DETERMINE RESPONSIBILITY FOR LONG TERM MAINTENANCE OF PERMANENT BEST
- 5. IF CONSTRUCTION IS ANTICIPATED DURING WINTER MONTHS, REFER TO COLD WEATHER SITE STABILIZATION REQUIREMENTS.

- D. INVASIVE SPECIES AND PICETIVE DUST:

 1 THE PROJECT SHALL NOT CONTRIBUTE TO THE SPREAD OF INVASIVE SPECIES, PRIOR TO CONSTRUCTION, THE CONTRICTOR SHALL EVALUATE WORK AREAS FOR THE PRESENCE OF INVASIVE SPECIES, AND IF PROJECT SHALL PRESENCE OF INVASIVE SPECIES, AND IF PROJECT SHALL PRESENCE OF INVASIVE SPECIES, AND INVASIVE SPECIES SHALL PRESENCE TO PREVENT THE INTRODUCTION OF INVASIVE SPECIES BY INSPECTING AND CLEANING ALL LEGIPMENT ARRIVAND ON STEE.
- 2. FUGITIVE DUST SHALL BE CONTROLLED IN ACCORDANCE WITH ENV-A 1000.

CONSTRUCTION NOTES

FOR SEDIMENT FENCE

WOVEN WIRE FENCE, IF REQUIRED, TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.

 FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH THES SPACED EVERY 24" AT TOP, MID SECTION, AND BOTTOM. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.

MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SEDIMENT FENCE, OR 50% OF CAPACITY IS USED.

5. 12" DIAMETER FILTREXX SILTSOXX SHALL BE CONSIDERED AN ACCEPTABLE EQUAL TO SEDIMENT FENCE IF INSTALLED PER MANUFACTURER'S RECOMMENDATIONS

COLD WEATHER SITE STABILIZATION REQUIREMENTS

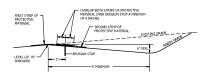
TO ADEQUATELY PROTECT WATER QUALITY DURING COLD WEATHER AND DURING SPRING RUNGEF, THE FOLLOWING ADDITIONAL STABILIZATION TECHNIQUES SHALL BE EMPLOYED DURING THE PERIOD FROM OCTOBER 15 THROUGH MAY 1:

- 3. SAME AND PROTECT DESIRABLE PASTING VECETATION WHERE POSSIBLE, ERECT BARRIERS 1. THE AREA OF EXPOSED, UNSTRULIZED SOIL SHALL BE LIMITED TO I ACRE AND SHALL BE TO REVENT DAMAGE FROM CONSTRUCTION EQUIPMENT.

 4. LIMIT THE GRADES OF SLOPES O VEGETATION CAN BE EASILY ESTABLISHED AND MINITARIES. WHITE CONSTRUCTION RAY, DEVELOPED BY A QUALIFIED ENGINEER OR A MAINTAINER.
 - ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF LESS THAN 15% WHICH DO NOT DHIBBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED ARTER OCTOBER 15, SMALE 85 ESEDED AND COVERED WITH 3 OH TONS OF HAY OR STRAW MULCH PER ACRE, SECURED WITH ANOCHORD VETTING OR TAXCHER, OR 2 INCHES OF ENGOSION CONTROL MY MEETING THE CRITERIA OF EN-WAY 150,001(C)
 - 3. ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF GREATER THAIN 15% WHICH DO NOT DOHBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR VINICH ARE DISTURBED ATTER OCTOBER 15, SAVILLE E SEEDED AND COVERED WITH MORPELY INSTALLED AND ANCHORDE REGION CONTROL MATTING OR WITH A MINIMUM 4 INCH THEORIESS OF ERGION CONTROL MIX MEETING THE CRITERIA OF EM-VA (3 100.050)
 - INSTALLATION OF ANCHORED HAY MULCH OR EROSION CONTROL MIX, MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H), SHALL NOT OCCUR OVER SNOW OF GREATER THAN 1 INCH IN DEPTH.
 - INSTALLATION OF EROSION CONTROL MATTING SHALL NOT OCCUR OVER SNOW OF GREATER THAN ONE INCH IN DEPTH OR ON FROZEN GROUND.
 - ALL PROPOSED STABILIZATION IN ACCORDANCE WITH NOTES 2 OR 3 ABOVE, SHALL BE COMPLETED WITHIN 1 DAY OF ESTABLISHING THE GRADE THAT IS FINAL OR THAT OTHERWISE WILL EXIST FOR MORE THAN 5 DAYS.
 - ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STRABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATIF FOR THE DISSIGN FLOW CONDITIONS, AS DETERMINED BY THE OWNER'S ENGINEERING
 - AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING AREAS WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREA HAS STOPPED FOR THE WINTER SASON SHALL BE PROTECTED WITH A MINIMUM 31 RIOL LUYER OF BASE COURSE GRAVELS BEETING THE GRADATION REQUIREMENTS OF NHOOT STANDARD SPECIFICATION FOR ROAD AND ORDIGE CONSTRUCTION, 2015, ITEM NO. 391, CR 30-2,

LEVEL LIP SPREADER INSTALLATION

- CONSTRUCT THE LEVEL SPREADER LIP ON A ZERO PERCENT GRADE TO INSURE UNIFORM SPREADING OF RUNOFF.
- 2. LEVEL SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL AND NOT ON
- AN EROSION STOP SHALL BE PLACED VERTICALLY A MINIMUM OF SIX INCHES DEEP IN A SLIT TRENCH ONE FOOT BACK OF THE LEVEL LIP AND PARALLEL TO THE LIP THE EROSION STOP SHALL EXTEND THE ENTIRE LENGTH OF THE LEVEL LIP.
- 4. THE ENTIRE LEVEL LID AREA SHALL BE DROTECTED BY DLACING TWO STRIPS OF JUTE OR EXCELSIOR MATTING ALONG THE LIP. EACH STRIP SHALL OVERLAP THE EROSION STOP BY AT LEAST SIX INCHES.
- 5. THE ENTRANCE CHANNEL TO THE LEVEL SPREADER SHALL NOT EXCEED A 1 PERCENT GRADE FOR AT LEAST SO FEET BEFORE ENTERING INTO THE SPREADER.
- THE FLOW FROM THE LEVEL SPREADER SHALL OUTLET ONTO STABILIZED AREAS. WATER SHOULD NOT RE-CONCENTRATE IMMEDIATELY BELOW THE SPREADER.
- 7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PERFORMED.
- B. PROTECTIVE MATERIAL AND EROSION STOP SHALL BE NORTH AMERICAN GREEN C125 EROSION CONTROL BLANKET OR APPROVED EQUAL

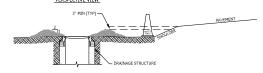


LEVEL SPREADER DETAIL

NO SCALE SOURCE: ROCKINGHAM COUNTY CONSERVATION SERVICE



PERSPECTIVE VIEW



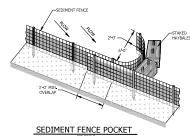
SECTION

- CONSTRUCTION SPECIFICATIONS:

 1. INSTALL GRAVEL INLET PROTECTION WHERE INDICATED OR WARRANNITED.

 2. FOR ALL INSTALLATIONS WHERE INLET PROTECTION IS WITHIN 8 OF EDGE OF PAVEMENT, A ROADWAY CONE SHALL BE USED BETWEEN CATCH BASIN AND SHOULDER.
- ENSURE CREST OF GRAVEL PLACED AROUND CATCH BASIN IS AT LEAST 3" BELOW ELEVATION OF EDGE OF PAVEMENT.

CATCH BASIN INLET PROTECTION DETAIL



Checked By: WTD

horizons

176 Newport Road, Suite 8; New London NH 03255 (603) 873-0116 www.horizonsengingsring.com

NH STATE PARKS Campground Expansion Project PI Pawtuckaway State Park

60% DESIGN

7 Pawtuckaway Road Nottingham, NH

03290

Graphic Scale

Scale: Varies

Drawn By: SJB

Date: November 3, 2023

Engineering

DETAILS FROSION CONTROL

C5.0

Title

Project Number: 23045001 File: 220838 base-01 pawtuckaway.dwo

__ CHANNEL TOP OF BANK___

SECTION VIEW

(14-1/2 GA. MIN., MAX. 6" MESH SPACING) WITH FILTER CLOTH OVE

4. ROCK CHECK DAMS SHALL CONSIST OF A WELL GRADED NIXTURE OF 2" - 3" STONE. 5, REMOVE ROCK CHECK DAMS AND ANY ACCUMULATED SILT IN CHANNEL ONCE PERMANEUT CHANNEL LIMINGS HAVE BEEN ESTABLISHED AND STARR 12FD.

SEDIMENT FENCE

- 2"-3" STONE, TYP.

DISTANCE VARIES DEPENDING ON CHANNEL SLOPE

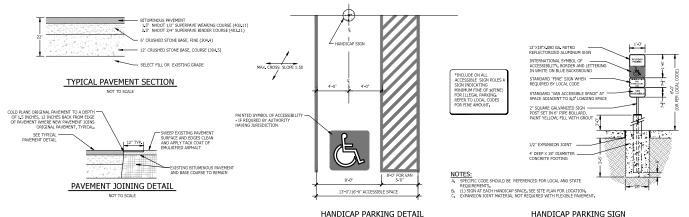
NOTES

1. CONSTRUCT ROCK CHECK DAMS WHERE INDECATED ON THE PLANS OR AS NECESSARY 2, CONSTRUCT SPILLWAY IN CENTER OF ROCK CHECK DAM 6" BELOW TOP OF CHANNEL,

. THE MAXIMUM SPACING BETWEEN THE CHECK DAMS SHOULD BE SUCH THAT THE TOE OF THE UPSTREAM CHECK DAM IS AT THE SAME ELEVATION AS THE SPILLWAY ELEVATION OF THE COMMISTREAM CHECK DAM, THIS WILL VARY DEPENDING ON THE SLOFE OF THE CHAMBEL.

PROFILE VIEW

ROCK CHECK DAM DETAIL



HANDICAP PARKING SIGN

NOT TO SCALE

ROCKERY WALL NOTES

- THE WALL DETAIL(S) DEPICTED ON THESE PLANS ARE CONCEPTUAL, SITE SPECIFIC DESIGN SHOULD BE COMPLETED BY
- CONCEPTUAL, SITE SPECIFIC DESIGN BROULD BE CONFIRED BY A GEOTEMBER OF SERVICE STATE SPECIFIC SCILL AND GEOTEMBER SHEEPE SHEEPE SCILL AND GEOTEMBER SHEEPE SHEEPE SCILL AND GEOTEMBER SHEEPE SHE

- SOCIAL DESCRIPTION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION ADMINISTRATION ADMINI

- 9. ROCK WIDTH SHALL BE LARGE ENOUGH TO EXTEN FRONT FACE TO THE BACK OF THE ROCKERY AT E PALE ID THE BACK UP THE NUCKERY AT EACH LEVEL

) PLACE BASE, FACING AND CAP ROCKS SO THAT THEIR HEIGHT

 DIMENSION IS NOT GREATER THAN THEIR WIDTH. THE LONGES

 DIMENSION OF THE BASE, FACING, AND CAP ROCKS IS
- DIMPRICAD OF THE DRAG. THIS WINDS THE THE CHARGE PROPERTY OF THE DRAG. THE CHARGE PROPERTY OF THE CHARGE PROPERTY. CHARGE PROPERTY OF THE CHARGE PROPERTY. CHARGE PROPERTY OF THE CHARGE PROPERTY. CHARGE PROPERTY OF THE CHARGE PROPERTY.
- ROCKS CAP ROCKS ARE THE TOP ROW OF FACING ROCKS FOR ROCKERIES, CAP ROCKS ARE TYPICALLY SMALLER AND FLATTER
- POYEN LIAL FOR DISLOUGING. CRUSHED ROCK SHOULD CONSIST OF CRUSHED, WASHED, HARD, DURABLE ROCK MEETING THE FOLLOWING GRADATION



- 14. WHISE LODGS COPT, OR OTHERWISE HUBBLES FLOURISHED SIDE CONTRIBUTION OF THE BEGINNER FOR SEPTIMENT ASSOCIATION OF THE BEGINNER FOR SEPTIMENT ASSOCIATIONS CONTRIBUTION OF THE BEGINNER FOR SEPTIMENT ASSOCIATION OF THE FOR SEPTIMENT ASSOCIATION OF THE FOR THE BEGINNER FOR THE SECONDARY OF THE FOR THE BEGINNER FOR THE SECONDARY OF THE FOR THE SECONDARY OF THE SE
- PLOWS.

 5. STABILITY OF TEMPORARY CUT SLOPES IS THE RESPONSIBILITY
 OF THE CONTRACTOR.

 1. DO NOT CONSTRUCT ROCKERIES OR SLOPES EXCEEDING THE
 HEIGHTS SHOWN ON THE PLAN.

CONSTRUCTION SEQUENCE

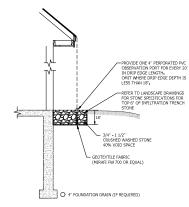
- PREPARE AN EROSION CONTROL PLAN OR A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- 2. INSTALL CONSTRUCTION ENTRANCE, SEE DETAIL.
- 3. CUT AND CLEAR TREES WITHIN THE CLEARING LIMITS.
- INSTALL SEDIMENT FENCES, ROCK CHECK DAMS, AND OTHER APPROPRIATE EROSION CONTROL MEASURES AT LOCATIONS SHOWN ON THE PLANS AND AS NEEDED.
- 5. GRUB SITE WITHIN GRADING LIMITS.
- 6. STRIP AND STOCKPILE TOPSOIL AND INSTALL EROSION CONTROL MEASURES.
- 7. INSTALL/ADJUST SEDIMENT FENCE, CHECK DAMS, AND HAYBALES, AS REQUIRED.
- CONSTRUCT PERMANENT STORMWATER CONTROLS AS SOON AS PRACTICAL, DO NOT DIRECT STORMWATER TOWARD TREATMENT BASINS, PONDS, SWALES, DITCHES AND LEVEL SPREADERS UNTIL THEY HAVE BEEN STABILIZED. PROCEED WITH WORK, LIMITING THE DURATION OF DISTURBANCE. THE MAXIMUM OF UNCOVERED DISTURBED EARTH AT ANY ONE TIME IS FIVE ACRES. THE MAXIMUM LEWSTH OF TIME THAT DISTURBED EARTH MAY BE LEFT UNSTABLIZED IS 45 DAYS.
- BEGIN SEEDING AND MULCHING IMMEDIATELY AFTER GRADING. ALL DISTURBED AREAS SHALL BE STABILIZED WITH APPROVED METHODS WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
- AN AREA SHALL BY CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:

 A) DAKE COURSE GARKEN FINE PEREN INSTALLED IN AREAS TO BE PORTED,

 (A) ANNIMUM OF 3" OF NON-REGISTIVE WATERIAL SUCH AS STONE OR

 RIPARP HAS BEEN INSTALLED, OR

 O) PROSION CONTROL BLANCETS HAVE BEEN PROPERLY INSTALLED.
- INSPECT ALL EROSION CONTROL MEASURES ON A DAILY BASIS AND AFTER EVERY 0.5 INCHES OF PRECIPITATION. MAINTAIN SEDIMENT FENCE, SEDIMENT TRAPS, HAY BALES, ETC., AS NECESSARY.
- 12. PAVE ROADWAYS AND/OR PARKING AREAS.
- 13. PLACE TOPSOIL, SEED AND MULCH.
- 14. COMPLETE ALL REMAINING PERMANENT FROSION CONTROL STRUCTURES.
- 15. MONITOR THE SITE AND MAINTAIN STRUCTURES AS NEEDED UNTIL FULL VEGETATION IS ESTABLISHED.



INFILTRATION STONE DRIP EDGE DETAIL

horizons Engineering

176 Newport Road, Suite 8; New London NH 03255 (603) 877-0116 www.horizonsengineering.com

Checked By: WTD

NH STATE PARKS

Campground Expansion Project PI

60% DESIGN

Pawtuckaway State Park

7 Pawtuckaway Road

Nottingham, NH

Graphic Scale

Scale: Varies

Drawn By: SJB

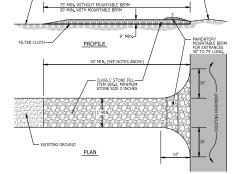
Date: November 3, 2023

03290

DETAILS MISCELLANEOUS

C5.1

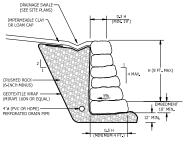
Project Number: 23045001 File: 220838 base-01 pawtuckaway.dwg



EXISTING GROUND

EXISTING PAVEMENT





NOT TO SCALE

ROCKERY WALL DETAIL

© 2023 DATE OF PRINT NOVEMBER 03 2023

- NEW HAMPSHIRE SAF-C GOOD FIRE CODE

- NFPA I FIRE CODE - 2018 EDITION - NFPA 101 UPE SAPETY CODE - 2018 EDITION - CHAPTER S6, "NEW MERGANTILE"

- International, Breks' Conservation Code (ECC) - 2018 Edition - International, Plumens Code (PC) - 2018 Edition - International, Mechanical, Code (MC) - 2018 Edition - Wational, Electric Code (MC) - 2020

- APPLICABLE ACCESSIBILITY CODES 4 STANDARDS:
- ICC AT 17, 1-2003 - ACCESSIBLE 4 USABLE BUILDINGS 4 FACULTES

PROPOSED FACILITY:

~ OVERALL FACILITY FIRE PROTECTION
- SPRINKLER, SYSTEM NOT REQUIRED (IBC 903.2.7)
- FIRE EXTINGUISHERS COMPLYING WITH IBC 906.1

~ OCCUPANCY CLASSIFICATION: ISC - BUSINESS (B); LSC - CHAPTER SB, "NEW

- CONSTRUCTION CLASSIFICATION: TYPE - VB (COMBUSTIBLE, NO RATING)

~ BUILDING STORIES & HEIGHT (BC TABLES 504.3 & 504.4)

- ALLOWABLE STORIES: 2 STORIES
- PROPOSED STORIES: 1 STORY = COMPLES

- ALLOWABLE HEIGHT: 40-0" (TO AVERAGE HEIGHT OF HIGHEST ROOF PLANE) - PROPOSED HEIGHT: **15-0"** = <u>COMMUSS</u>

~ BUILDING AREA ((BC TABLE 504.2)

- ALLOWABLE AREA (15T FLOOR PLAN): 9,000 GSF - PROPOSED AREA (15T FLOOR PLAN): 1,431 GSF = <u>COMPUES</u>

- STREET FRONTAGE INCREASE (IBC 506.2) - NOT REQUIRED - SPRINKLER INCREASE (IBC 506.3) - NOT REQUIRED - TOTAL PROPOSED GROSS FLOOR AREAS: 1,431 SF

FIRE RESISTANCE RATINGS REQUIREMENTS:

- BIADING REMERTS ITABLE COJI
- FRANKY STRUCTURA, FRAME. O HR.
- CATEROR BEARNO WALLS. O HR.
- HITEROR BEARNO WALLS. O HR.
- HITEROR BEARNO WALLS. O HR.
- HITEROR NON-BEARNO WALLS. O HR.
- HITEROR NON-BEARNO WALLS. O HR.
- RADOR CONSTRUCTION: O HR.

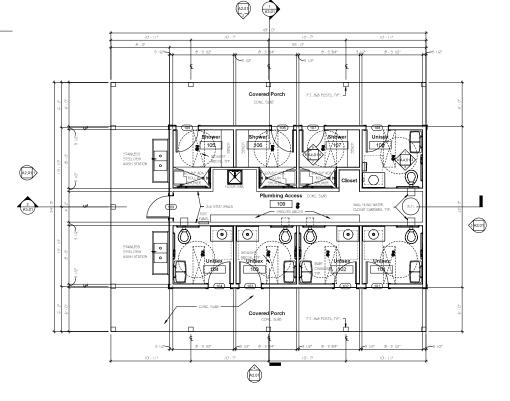
- MAXIMUM TRAVEL DISTANCE: 200 FEET (38.2.6.3)
- MAXIMUM DEAD-RID CORNIOR LENGTH: 20 FEET (38.2.5.2)
- MAXIMUM COMMON PARTH OF TRAVEL: 75 FEET (36.2.5.3.1)
- INTERIOR FINISH, FLOORS: NO REQUIREMENTS (38.3.3.3)
- INTERIOR FINISH, WALLS AND CELING: A, B, or C (38.3.3.5)

EMERGY CODE - MINIMUM THERMAL ENVELOPE REQUIREMENTS:

- ACCESSIBLE TOLLET ROOMS: ALL NEW TOLLET 4 SHOWER ROOMS ARE REQUIRED TO BE ACCESSIBLE (IBC CHAPTER, 1/1). NH AMPHIDMENT TO IBC: SHIGLE OCCUPANCY TOLLETS MAY BE UNISEX PROVIDED THE NUMBER OF WATER CLOSETS CONFILES WITH TABLE 2502. T

A5 MAIN FLOOR PLAN
Scale: 1/4" = 1'-0"

CODE SUMMARY



Enclosed floor area: 781 sq. ft. Covered porch area: 650 sq. ft. Total building area: 1,431 sq. ft.

SAMYN - D'ELIA ARCHITECTS, P.A.

P.O. Box 229 Holderness, NH 03245 tel: (603) 968-7133

HVAC, Elec. & Plumb, Engineer: Charles P. Buckley, P.E. 500 Depot Street Rumney, NH 03266 tel: (603) 786-9992

Structural Engineer: Fisher Engineering, P.C. 686 Belknap Mountain Road Gilford, NH 03249 tel: (603) 528-7641

NH STATE PARKS

Campground Expansion Project PII Pawtuckaway State Park 7 Pawtuckaway Road Nottingham, NH

Teersa

60% DESIGN

North

Scale: As indicated Date: Nov. 3, 2023

Drawn By: MR

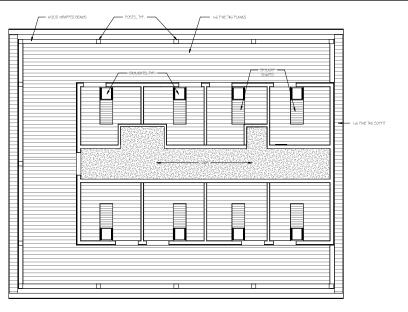
Checked By: WD

Date

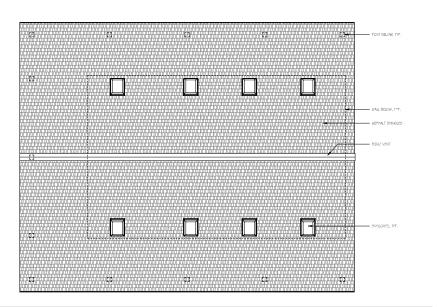
MAIN FLOOR PLAN

Sheet Number

A1.01



2 MAIN LEVEL REFLECTED CEILING PLAN
Scale: 1/4" = 1'-0"



SAMYN - D'ELIA ARCHITECTS, P.A.

P.O. Box 229 Holderness, NH 03245 tel: (603) 968-7133

HVAC, Elec. & Plumb. Engineer: Charles P. Buckley, P.E. 500 Depot Street Rumney, NH 03266 tel: (603) 786-9992

Structural Engineer: Fisher Engineering, P.C. 686 Belknap Mountain Road Gilford, NH 03249 tel: (603) 528-7641

NH STATE PARKS Campground Expansion Project PII

Pawtuckaway State Park
7 Pawtuckaway Road
Nottingham, NH
03290

eeuw

60% DESIGN

Graphic Scale

Scale: 1/4" = 1'-0"

Date: Nov. 3, 2023

Drawn By: MR

hecked By: WD

No.	Description	Date

itle

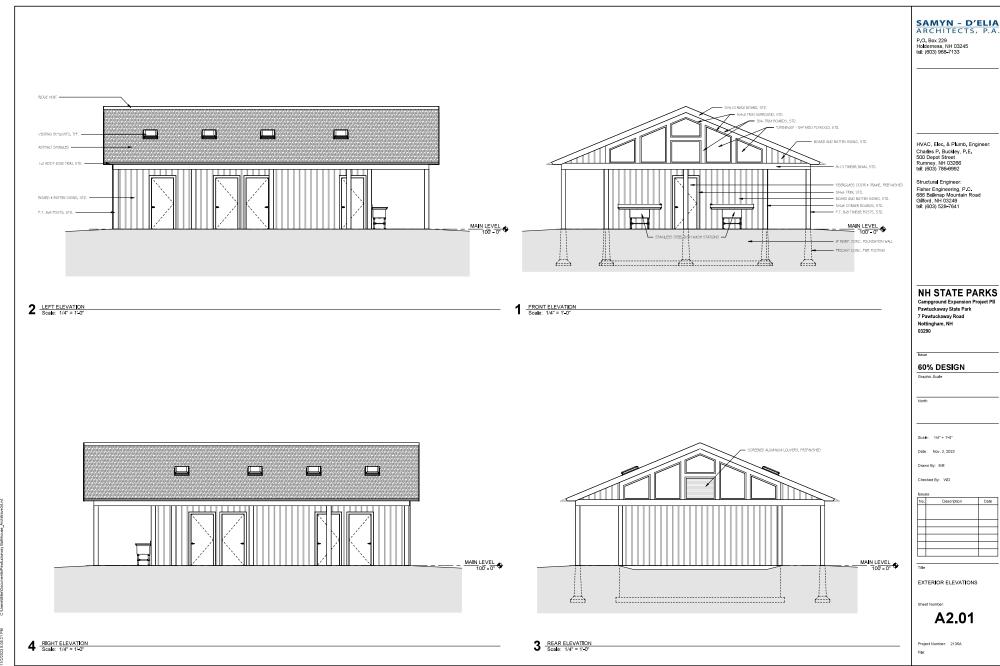
REFLECTED CEILING PLAN & ROOF PLAN

et Number

A1.02

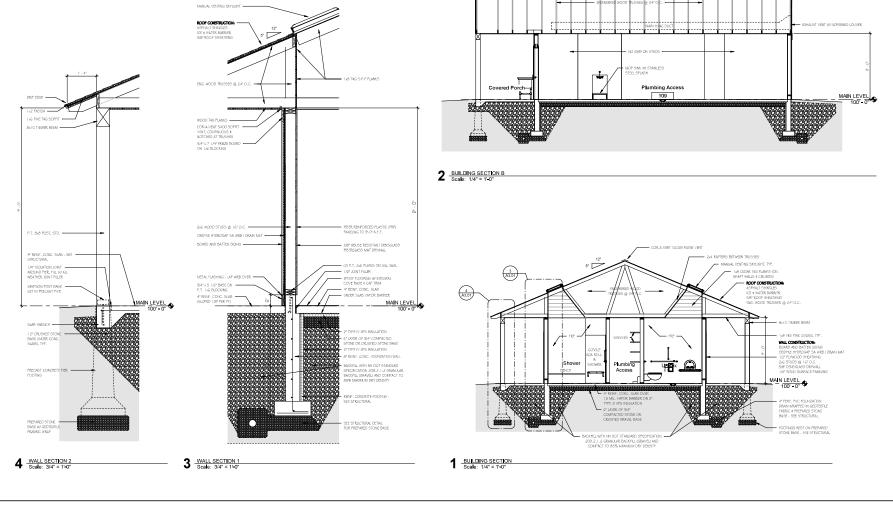
oject Number: 2136A

ROOF PLAN
Scale: 1/4" = 1'-0"



08:21 PM C:Users/Mike/Documents/Pawtuckaway Bathhouse Architrave34.vd





SAMYN - D'ELIA ARCHITECTS, P.A.

P.O. Box 229 Holderness, NH 03245 tel: (603) 968-7133

HVAC, Elec. & Plumb. Engineer: Charles P. Buckley, P.E. 500 Depot Street Rumney, NH 03266 tel: (603) 786-6992

Structural Engineer: Fisher Engineering, P.C. 686 Belknap Mountain Road Gilford, NH 03249 tel: (603) 528-7641

NH STATE PARKS

Campground Expansion Project PII Pawtuckaway State Park 7 Pawtuckaway Road Nottingham, NH 03290

ue

60% DESIGN

Graphic Scale

North

Scale: As indicated

Date: Nov. 3, 2023

Drawn By: MR

hecked By: WD

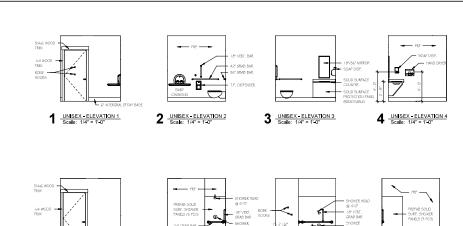
Vo.	Description	Date
Т		

BUILDING SECTIONS

Sheet Number:

A3.01

ect Number: 2136A



7 SHOWER - ELEVATION 7

8 SHOWER - ELEVATION 8 Scale: 1/4" = 1'-0"

6 SHOWER - ELEVATION 6
Scale: 1/4" = 1'-0"

5 SHOWER - ELEVATION 5

SAMYN - D'ELIA ARCHITECTS, P.A.

P.O. Box 229 Holderness, NH 03245 tel: (603) 968-7133

HVAC, Elec. & Plumb. Engineer: Charles P. Buckley, P.E. 500 Depot Street Rumney, NH 03266 tel: (603) 786-9992

Structural Engineer: Fisher Engineering, P.C. 686 Belknap Mountain Road Gilford, NH 03249 tel: (603) 528-7641

NH STATE PARKS

Campground Expansion Project PII Pawtuckaway State Park 7 Pawtuckaway Road Nottingham, NH 03290

60% DESIGN

Scale: 1/4" = 1'-0"

Date: Nov. 3, 2023

Drawn By: MR Checked By: WD

Issue	95:	
No.	Description	Date
П		
П		
П		
Н		
Н		
\Box		

INTERIOR ELEVATIONS

Sheet Number:

A4.01

FINISH SCHEDULE									
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	COMMENTS
101	Unnex	EPOXY	INTEGRAL EPOXY	FRP ON GWB	FRE ON GARD	FRP ON GWB	FRP ON GMB	ING THE PLANES	
102	Unoex	EPOXY	INTEGRAL EPOXY	FRP ON GWB	FRP ON GWB	FRP ON GWB	FRP ON GWB	I NG TAG PLANKS	
103	Univers	EPOXY	INTEGRAL EPOXY	FRP ON GWB	FRP ON GWB	FRP ON GWB	FRP ON GWD	Ix6 T4G PLANKS	
104	Unsex	EPOXY	INTEGRAL EPOXY	fRP ON GWB	I'RP ON GWB	I'RP ON GWB	I'RP ON GWB	ING TAG PLANKS	
105	Shower	BPOXY	IN FEGRAL EPOXY	FRP ON GWB	FRP ON GWB	FRP ON GWB	FRP ON GWB	Lisis TAG PLANKS	
106	Shower	FOXY	INTEGRAL EPOXY	FRF ON GWD	FRF ON GWD	FRF ON GWD	FRF ON GWD	I NG TAG PLANKS	
107	Shower	EPOXY	INTEGRAL EPOXY	FRP ON GWB	FRP ON GWB	FRP ON GWB	FRP ON GWB	IsiG TAG PLANKS	
108	Unoex	EPOXY	INTEGRAL EPOXY	FRP ON GWB	FRP ON GWB	FRP ON GWB	FRP ON GWB	Lis Tag PLANKS	
109	Plumbing Access	SEALED CONCRETE	NO BASE	NO GWB	NO GMB	NO GWS	NO GMB	GMB	

DOOR SCHEDULE								
OPENING	WIDTH	HEIGHT	THICKNESS	DOOR TYPE	MATERIAL	FRAME MATERIAL	COMMENTS	
101	3' - 0"	7 - 0"	1.3/4"	SOLID CORE	FIBERGLASS	FIBERGLASS		
102	3' - 0"	7 - 0"	1.3/4"	SOLID CORE	FIBERGLASS	FIBERGLASS		
103	3' - 0"	7 - 0"	1.3/4"	SOLID CORE	FIBERGLASS	FIBERGLASS		
104	3' - 0"	7 - 0"	1.3/4"	SOLID CORE	FIBERGLASS	FIBERGLASS		
105	3' - 0"	7 - 0"	1.3/4"	SOLID CORE	FIBERGLASS	FIBERGLASS		
106	3' - 0'	7 - 0'	1.3/4"	SOLID CORE	FIBERGLASS	FIBERGLASS		
107	3' - 0"	7 - 0"	1.3/4"	SOLID CORE	FIBERGLASS	fiBERGLASS		
108	3' - 0"	7.0"	1.3/4"	SOLID CORE	FIBERGLASS	FIBERGLASS		
109	3' - 0'	7 - 0"	1.3/4"	SOLID CORE	PIBERGLASS	PIBERGLASS		

WINDOW SCHEDULE									
MARK	WIDTH	HEIGHT	TYPE	MODEL	COMMENTS	COUNT			
3/4	1' 0"	2' 3.7/9"		US COL	BASIS OF DESIGN VEHIX VS ON	0			

Structural Engineer: Fisher Engineering, P.C. 686 Belknap Mountain Road Gilford, NH 03249 tel: (603) 528-7641

NH STATE PARKS

Campground Expansion Project PII
Pawtuckaway State Park
7 Pawtuckaway Road
Nottingham, NH
03290

60% DESIGN

Date: Nov. 3, 2023

Drawn By: MR

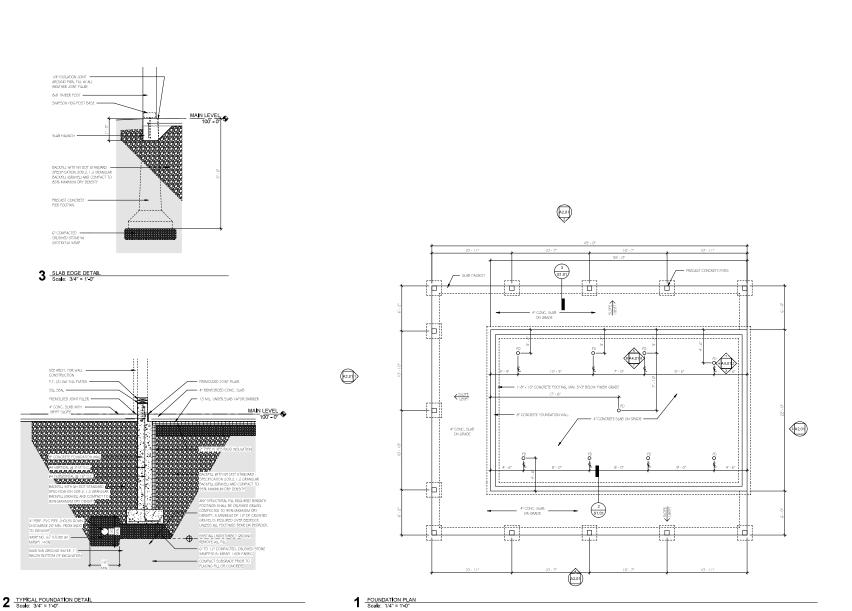
No.	Description	Date
-		
		_
_		_

SCHEDULES

Sheet Number:

A5.01





SAMYN - D'ELIA ARCHITECTS, P.A.

P.O. Box 229 Holderness, NH 03245 tel: (603) 968-7133

HVAC, Elec. & Plumb. Engineer: Charles P. Buckley, P.E. 500 Depot Street Rumney, NH 03266 tel: (603) 786-9992

Structural Engineer: Fisher Engineering, P.C. 686 Belknap Mountain Road Gilford, NH 03249 tel: (603) 528-7641

NH STATE PARKS

Campground Expansion Project PII Pawtuckaway State Park 7 Pawtuckaway Road Nottingham, NH 03290

ssue

60% DESIGN

Scale: As indicated

Date: Nov. 3, 2023

Drawn By: MR

ecked By: WD

о.	Description	Date
Ī		
Т		
_		

itle

FOUNDATION PLAN AND DETAILS

Sheet Number:

S1.01

ject Number: 2136A

HVAC NOTES

1. SCOPE OF WORK

- A THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
- B. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE INTERNATIONAL MECHANICAL CODE 2018, ALL LOCAL AND ALL OTHER REGULATION GOVERNING WORK OF THIS NATURE.
- C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY FERCET THE WORK, NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATION.
- D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY THE ENGINEER OR ARCHITECT.

2. PERMITS

A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICA-TIONS AND PAY ANY AND ALL FEES.

3. SHOP DRAWINGS

A. SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT TO THE ACHITECT/ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL SUBMIT THEY SETS OF SHOP DRAWINGS AND THEY SHALL BE CLEARLY LABELED.

4. DUCTWORK

- A. THE DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "SMACNA" APPLICABLE MANUALS. ALL DUCTWORK SHALL BE THE LOW VELOCITY TYPE, UNLESS SPECIFIED OTHERWISE.
- B. CONTRACTOR SHALL PROVIDE AND INSTALL APPROVED FIRE DAMPERS AND ACCESS PANELS IN ANY AND ALL DUCTWORK WHICH PENETRATES A HORIZONTAL OR VERTICAL FIRE PARTI-TION, OR AS OTHERWISE SHOWN ON DRAWNISS.
- C. ALL BRANCH DUCTS TO HAVE VOLUME DAMPERS.
- D. SMOOTH TURN RADIUS DUCTWORK OR TURNING VANES SHALL BE USED THROUGHOUT WHERE FLOW EXCEEDS 150 CFM.
- E. ALL DUCT JOINTS TO BE SEALED IN ACCORDANCE WITH "SMACNA" STANDARDS AND ACCEPTED GOOD PRACTICE.
- F. ALL DUCT DIMENSIONS SHOWN ARE NET INSIDE VALUES.
 DIMENSIONS MAY BE CHANGED SO LONG AS THE NET FREE
 FACE AREA IS MAINTAINED.

HVAC CONTROL

A. CONTRACTOR TO SUPPLY AND INSTALL ALL CONTROL WIRING AND THERMOSTATS AS REQUIRED.

ELECTRICAL

A. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR LOCATION OF WIRING FOR EACH HVAC UNIT.

7. MISCELLANEOUS

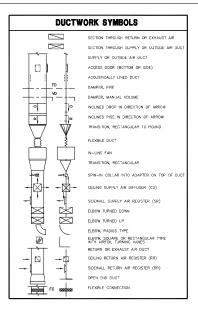
- A. ALL EXTERIOR OPENINGS TO BE PROPERLY CAULKED AND SEALED WITH A SEALANT OF HIGH QUALITY AND LONG LIFE, TO PREVENT INFLITRATION OF OUTSIDE AIR INTO CONDITIONED SPACE.
- B. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE.
- C. THE MECHANICAL PLANS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURES SOLP-MATIC AND ARE BASED ON ONE MANUFACTURES SOLP-IN TIS EXACT LOCATION, THE EXCEPT BURNINGS, OF ALL THE DETAILS OF THE COMPANIAT. THE CONTRACTOR SHALL VERBEY THE ACTUAL DIMENSIONS OF THE COMP-MATI PROPOSED TO EXIGINE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLES SPACE.

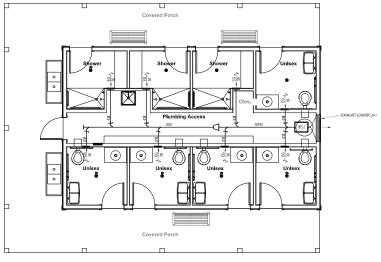
8. TESTING AND BALANCING

A. THE HVAC SYSTEM SHALL BE TESTED AND AND BALANCED BY AN INDEPENDENT AGENCY, UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER. A SEALED TYPE WRITTEN REPORT SHALL BE SUBMITTED TO THE ARCHITECTYCENRIBER FOR REVIEW AND APPROVAL.

9. GUARANTEE

- A MATERIALS, ECUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE(1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S FYPEYMENT
- B. FOR THE SAME PERIOD, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.





MECHANICAL PLAN

SCALE: 160 = 1100

	FAN SCHEDULE									
							WANUFACTURE & WOOEL			
				(IN. W.G.)	HP	RPM	VOLT-PHASE			
EF-1	BATH HOUSE	CHASE	400	0.75	1/4	1800	115-1	GREENHECK SQ-98-VG		

CHARLES P. BUCKLEY PROFESSIONAL ENGINEER OF PARTICIPATION OF THE (1997) PG-9002 PAL (1997) PG-9002 PG-90

N.H. LIC. NO. 09198

HVAC, Elec. & Plumb. Engineer: Charles P. Buckley, P.E. 500 Depot Street Rumney, NH 03266 tel: (603) 786-9992

Structural Engineer: Fisher Engineering, P.C. 686 Belknap Mountain Road Gifford, NH 03249 bb. (603) 528-7641

NH STATE PARKS

Campground Expansion Project F Pawtuckaway State Park 7 Pawtuckaway Road Nottingham, NH 03290

Issue

North

60% DESIGN

Graphic Scale

Scale: As indicated

Date: NOV 3, 2023 Drawn By: CPB

Checked By: CPB

No.	Description	Date
_		_
_		

Tite

MECHANICAL PLAN AND DETAILS

Sheet Number;

M1.01P

Project Number: 2136

ELECTRICAL NOTES

- 1. SCOPE OF WORK:
- A. CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS. FIELD VERIFY ALL ELECTRICAL EQUIPMENT.
- B. FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS TO PERFORM ELECTRICAL WORK SHOWN, NOTED OR SCHEDULED FOR A COMPLETE AND FINISHED INSTALLATION.
- MATERIALS, PRODUCTS AND ECUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UNDERWRITERS LABORATORIES UIST OF APPROVED ITEMS AND SHALL BE SIZED IN CONFORMITY WITH REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND OTHER APPLICABLE CODES, WHICHEVER ARE MORE STRINGENT.
- C. ALL WORK TO BE IN ACCORDANCE WITH 2020 NEC AND ALL APPLICABLE FEDERAL, STATE LOCAL CODES.
- 2. PERMITS:
- A. SECURE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTION CERTIFICATES.
- 3. SHOP DRAWINGS:
- A SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT TO THE ARCHITECT FOR APPROVAL. SUBMITTALS SHALL BE IN ACCORDANCE WITH GENERAL CONDITIONS AND SHALL BEAR STAME OF THE GENERAL CONTRACTOR SHOWNED THAT HE HAS REVENED AND APPROVED THEM. LACK OF SUCH CONTRACTOR'S APPROVAL WILL BE CAUSE FOR RECEITOR WITHOUT REVIEW BY THE ARCHITECT OR DIGNORER.
- 4. CONDUITS:
- A. THE TYPE OF CONDUIT SHALL BE AS FOLLOWS FOR ALL FEEDERS AND DISTRIBUTION CIRCUITS, UNLESS OTHERWISE SPECIFIED.

APPLICATION
OUTDOORS
BRANCH CIRCUITS (EXPOSED)
BRANCH CIRCUITS (CONCEALED)
SUPPLY TO DISTRIBUTION PANEL
UNDERGROUND SERVICE ENTRANCE TYPE OF CONDUIT
GALV, RIGID STEEL OR EMT W/ W.P. FITTINGS
EMT
MC
EMT
PVC - SCHEDULE 40

5. WRE:

- A. WIRE SHALL BE SINGLE CONDUCTOR COPPER WITH 800 VOLT INSULATION. MINIMUM WIRE SIZE SHALL BE \$12 EXCEPT \$14 MAY BE USED FOR CONTROL. ALL WIRE AND CABLE SHALL BE NEW AND SHALL BE FROUGHT TO THE STIE IN UNBROKKER PACKAGES.
- . GENERAL WIRING SHALL BE THW OR THHN (ALUMINUM CONDUCTORS ARE NOT PERMITTED).
- B. WIRE CONNECTORS SHALL BE EQUAL BY SCOTCHLOCK FOR #6 AND SMALLER AND T & B "LOCK-LITE" FOR #6 AND LARGER.
- 6. LIGHTING:
- A. LIGHTING FIXTURES AND LAMPS (UNLESS NOTED OTHERWISE) SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL ALL FIXTURES AND LAMPS.
- 7. WRE DEVICES:
- A. RECEPTACLES SHALL BE 20 AMP, 3-WIRE GROUNDING TYPE EQUAL TO HUBBELL 5362 (MOUNTING @ 18"A.F.F.).
- B. SWITCHES SHALL BE STANDARD GRADE RATED 20 AMP AT 120 VOLT (MOUNTING @48"A.F.F.) C. SPECIAL DEVICES SHALL BE A SPECIFICATION GRADE.
- 8. SAFETY SWITCHES:
- A. PROVIDE SAFETY AND DISCONNECT SWITCHES, FUSED OR NONFUSED, AS CALLED FOR ON DRAWNICS AND AS REQUIRED BY CODE. SWITCHES SHALL BE HEAVY DUTY, LOAD AND HORSEFOWER RATED SA MANUFACTURED BY SQUARE D, GOULD, ITE OR EQUAL.
- A. OUTLET BOXES AND COVERS SHALL BE GALVANIZED, ONE-PIECE PRESSED STEEL
- B. JUNCTION, PULL BOXES AND COVERS SHALL BE GALVANIZED STEEL, CODE GAUGE SIZE.
- INSURALIZED.

 ADMINISTRATION WAS SHALL BE INSTALLED SO AS TO BE REALLY ACCESSEDE FOR A BETWEEN THE SERVICE, MAINTAINING ADMINISTRATION, MINERES SHALL REGISTED ALL MISSELLANEOUS STEEL SUCH AS CHANNESS, ROOS, ETC., NECESSARY FOR THE INSTALLATION OF WORK AND SHALL BE FASTERED TO STEEL CONCEPTE ON WOOD, BUT NOT TO PIPHOL. ALL COMOUT SHALL BE CONCEASED WEREVER FOSSEL. TO COLUMN HERES OF BEAMS AND SEPARATION AT LEAST 3 INCHES FROM WATER LINES WHEREVER THEY RIP. ADMINISTRATION OF SHALL BE IN CORDULT, DUCTS OF ARRIVANCE THAT ARE AND STATEMENT OF THE SHALL BE IN CORDULT, DUCTS OF ARRIVANCE THAT ARE AND STATEMENT OF THE SHALL BE IN CORDULT, DUCTS OF ARRIVANCE THAT ARE AND STATEMENT OF THE SHALL BE IN CORDULT, DUCTS OF ARRIVANCE THAT ARE AND STATEMENT.
- CONCION DOGS OF METHOD REPORTED THE CONTROL OF CHANNELING AND PATCHING REQUIRED FOR ANY MORK UNDER THE DOWNSON. SLEEMES SHALL EXTEND AT LEAST NOW CZY ONCES AGOVE FINISHED FLOOR AND ALL SLEEMES, DEVENDS, ETC., "HEOLIGH FIRE ARITO MALLS AROUTED FLOORS SHALL SLEEMES, DEVENDS, ETC., "HEOLIGH FIRE ARITO MALLS AROUTED FLOORS SHALL BE SEALED AFTER CONDUIT INSTALLATION TO REVENAN THE MER RATING.
- C. THE FOLLOWING EQUIPMENT SHALL BE IDENTIFIED WITH ENGRAVED BAKELITE NAMEPLATES AS TO NAME AND/OR FUNCTION; DISTRIBUTION PANELS AND DISCONNECT SWITCHES.
- D. THE LOCATION OF OUTLETS AND EQUIPMENT SHOWN ON THE DRAWNOS ARE APPROXIMATE AND THE ARCHITECT SHALL HAVE THE RIGHT TO RELOCATE ANY OUTLETS OR FIXTURES BEFORE THEY ARE INSTALLED WITHOUT ADDITIONAL COST...
- E. ELECTRICAL CONTRACTOR SHALL RECORD ALL FIELD CHANGES IN HIS WORK AS THE JOB PROGRESSES.
- 11. GUARANTEE:
- MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.
- B. FOR THE SAME PERIOD, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.
- 12. FINALLY:
- A. IT IS THE INTENT THAT THE FORESCING WORK SHALL BE COMPLETE IN EVERY RESPE AND THAT ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON TO DRAWNOS, BUT NECESSARY TO FULLY COMPLETE THE WORK SHALL BE FURNISHED.

ELECTRICAL SYMBOLS

ABBREVIATIONS

ABOVE COUNTER ABOVE FINISHED FLOOR. CIRCUIT BREAKER. EXPLOSION PROCE GROUND FAULT CIRCUIT INTERRUPTER GROUND HORSEPOWER.

HOTOR CONTROL CENTER, MOUNTING HEIGHT, MANHOLE, NATIONAL ELECTRICAL CODE.

NATIONAL ELECTRICAL CODE.
NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
NOT IN CONTRACT.
NIGHT LUGHT.
PHOTOELECTRIC SWITCH
POWER FLATE,
HE CONTRACT PARTICLE
HE C NEMA NIC

WIRING

D

∇ ∇

Α

€12

٠,

WIRING CONCEALED IN CEILING OR WALLS; SLASH MARKS INDICATE NUMBER OF CONDUCTORS EXCLUDING GROUNDS; CONDUCTOR SIZE AS MARKED; #12 AWG UON.

SWITCHES

- SWITCH OUTLET; MOUNTED 48" AFF UON; SINGLE POLE UON; LOWER CASE LETTER, WHEN PRESENT, INDICATES OUTLETS CONTROLLED.
 - ABBREVIATIONS FOR SWITCH OUTLETS
 DOUBLE POLE SWITCH
 4-WAY SWITCH

 - K KEY OPERATED SWITCH D DOOR SWITCH
- DIMMER SWITCH; MOUNTED 48" AFF UON; LOWER CASE LETTER, WHEN PRESENT, INDICATES OUTLETS CONTROLLED.

LIGHTING

FLUCRESCENT LIGHT FIXTURE - RECESSED, SURFACE, OR PENDENT MOUNTED

 Θ RECESSED MOUNTED CEILING FIXTURE

-ф-SURFACE MOUNTED CEILING FIXTURE ЮΚ INCANDESCENT FIXTURE, WALL

SURFACE OR PENDANT MOUNT EXIT SIGN FIXTURE; ARROWS INDICATE REQUIRED SIGN ARROWS. €

BATTERY POWERED EMERGENCY LIGHTING FIXTURE

COMBINATION EMERGENCY LIGHTING FIXTURE AND EXIT SIGN INDICATES FIXTURE TYPE: SEE SCHEDULE.

GROUNDED DUPLEX RECEPTACLE (NEMA 5-20R); MOUNTED 18" AFF UON; NUMBER INDICATES CIRCUIT.

GROUNDED QUADRUPLEX RECEPTACLE (NEMA 5-20R);

SPECIAL PURPOSE RECEPTACLE; LETTER INDICATES TYPE; TYPE DEFINED BY NOTATION OR SCHEDULE; MOUNTED 18"

PANELS AND MISC.

LIGHT OR POWER PANEL

□H_{FSS} FUSED SAFETY (DISCONNECT) SWITCH

□H_{NFSS} NON-FUSED SAFETY (DISCONNECT) SWITCH

J JUNCTION BOX

(4)

 \triangle

TELEPHONE OUTLET - WALL - MOUNTED 18" AFF, UON PROVIDE 4X4 CUTLET BOX IN WALL WITH 3/4" CONDUIT TO ABOVE CEILING WITH PULL WIRE. WIRING BY OTHERS.

COMPUTER OUTLET - WALL - MOUNTED 18" AFF UON. PROVIDE 4X4 OUTLET BOX IN WALL WITH 3/4" CONDUIT TO ABOVE CEILING WITH PULL WIRE, WIRING BY OTHERS.

ELECTRICAL NOTES

- VERIFY CONDITION AND CAPACITY OF EXISTING ELECTRICAL SERVICE VERTY CONTINUE AND CAPACITY OF EASING ELECTRICAL SERVICE.

 (WINNAUM TOO AMP SERVICE). REMOVE AND REPLACE AS

 REQUIRED. PROVIDE NEW LIGHTING, POWER AND CONTROL

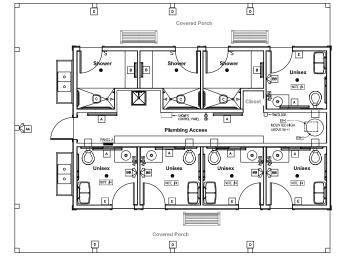
 CREQUIRING AS REQUIRED.

 ALL WORK TO BE PERFORMED IN ACCORDANCE WITH ALL CURRENT

 SECTION.
- PROVIDE COME TO BE PERSONNED IN MODERATE MAIN FALL COMPOUND.

 ELECTRICAL COMMENT TO BE CONTROLLED BY TIMECLOCK. INTERMATIC MODEL TO 10 A PRPROVED EQUAL.

 PROVIDE LOW VOLTAGE CELING MOUNTED ULTRASONIC MOTION DETECTOR. GREENGATE MODEL CAC-U-1000-R+SP20-MV OR APPROVED EQUAL.



ELECTRICAL PLAN

LIGHTIN	LIGHTING FIXTURE SCHEDULE								
MARK	MANUFACTURER	FIXTURE WAKE/WODEL	LAMPING	MOUNTING					
A	METALUX	4-BCLED-LD4-28SL-F-UNV-L830-CD-1	32W LED	WALL MOUNTED @ 8'-0" AFF					
В	METALUX	2-BCLED-LD4-16SL-F-UNV-L830-CD-1	18W LED	WALL MOUNTED @ 8'-0" AFF					
C	HALO	SLD606-8-30-WH	12.5W LED	CEILING MOUNTED					
D	RAB	BRISKS17L-730	14W LED	ABOVE DOOR/BEHIND BEAM/POST					
E	LEGRAND	TMHWLECC	1/4W LED	MOUNT 24" AFF					
A	DUAL-LITE	LZRD#0605	2-5W/WR16	MOUNT TOP 6" T.O. WALL					
88	DUAL-LITE	LZ25DI (25 WATT BATTERY)	2-5W/WR16	MOUNT TOP 6" BELOW CEILING					



N.H. LIC. NO. 09198

HVAC, Elec. & Plumb. Engineer: Charles P. Buckley, P.E. 500 Depot Street Rumney, NH 03266 tel: (603) 786-9992

Structural Engineer: Fisher Engineering, P.C. 686 Belknan Mountain Road Gilford, NH 03249 tel: (603) 528-7641

NH STATE PARKS

Campground Expansion Project Pil Pawtuckaway State Park 7 Pawtuckaway Road Nottingham, NH 03290

Issue

60% DESIGN

Graphic Scale

North

Date: NOV. 3, 2023

Drawn By: CPB Checked By: CPB

SSUES: No.		
No.	Description	Date
\neg		

Title

ELECTRICAL PLAN AND DETAILS

E1.01P

Project Number; 2136 File:

	WATER HEATER SCHEDULE									
WPK	CAPACITY	RECOVERY 8	BTU PER HR.	GAS CONN.	WATER CONN.	BLECTRIC		MANUFACTURE & MODEL	REMARKS	
		100 DEG. F. RISE		CUM.	CONN.	AMPS	VCLT-PHASE	& MUDEL		
WH-1	100 GAL	235 GAL	199,000	3/4"	1-1/4*	10.0	120-1	A.O., SMITH MODEL BTH-199	-PROPANE FIRED -POWER VENTED -4" VENT & COMB. AIR PIPES -140 DEG F. DISCHARGE TEMP.	

PLUMBING NOTES

- TE NEW WATER AND SEWER TO COSTING SERVICE ENTRANCES, PROMULE CONNECTIONS APPROPRIATE TO TYPE AND MATERIANS OF EXISTING SYSTEMS TO PRICH TO DEWN VALACES TO FACILITATE SACKONIA, DEWN TOWN.
 REDUCE ALL ENSING PLUMBING FIXTURES AND INSTALL NEW AS SHOULD ALL ENSING PLUMBING FIXTURES AND INSTALL NEW AS SHOULD AND THE PROPRIATE AND THE PLUMBING PROPERTY.

CAPAB CHARLES P. BUCKLEY PROFESSIONAL ENGINEER 500 DEPOT ST. RUMNEY, N.H. 69288 TEL(660)786-9992 PAX.(603)786-2865

N.H. LIC. NO. 09198

HVAC, Elec. & Plumb, Engineer: Charles P. Buckley, P.E. 500 Depot Street Rumney, NH 03266 tel: (603) 786-9992

Structural Engineer: Fisher Engineering, P.C. 686 Belknap Mountain Road Gilford, NH 03249 tel: (603) 528-7641

NH STATE PARKS

Camparound Expansion Project PII Pawtuckaway State Park 7 Pawtuckaway Road Nottingham, NH 03290

ssue

60% DESIGN

Graphic Scale

Scale: As indicated

Date: NOV. 3, 2023

No.	Description	Date
140.	Description	Dave
П		
П		
П		

PLUMBING PLAN AND DETAILS

File

P1.01P Protect Number: 2136

PLUMBING NOTES

A. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.

B. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE INTERNATIONAL PLUMBING CODE (2018).

C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY EFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS.

D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY ENGINEER OR ARCHITECT.

SHOP DRAWINGS

SCOPE OF WORK

2. A. SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT/FIXTURES TO THE ARCHITECT OR ENGINEER FOR APPROVAL. THE SHOP DRAWINGS SHALL BE CLEARLY TAGGED AND HIGHLIGHTED.

3. DOMESTIC WATER SUPPLY PIPING

A. ABOVE GROUND: MAINS AND BRANCHES - COPPER PIPE WITH SOLDER JOINTS.

BRANCHES - PEX WITH PEX FITTINGS.

B. ALL HOT WATER PIPING TO BE INSULATED WITH 1" FIBERGLASS INSULATION.

C. ALL COLD WATER PIPING TO BE INSULATED WITH 1/2*

D. PROVIDE DOMESTIC WATER SHUT-OFFS AT EACH PLUMBING FIXTURE.

4. SANITARY/STORM DRAINAGE AND VENT PIPING

A. ABOVE GRADE:
-2" AND BELOW: SCH. 40 PVC WITH SOLVENT JOINTS.

-3" AND ABOVE: SCH. 40 PVC WITH SOLVENT JOINTS. B. BELOW GRADE: SCH. 40 PVC WITH SOLVENT JOINTS.

C. PVC PIPING SHALL NOT BE USED IN AIR PLENUM CEILINGS AND SHALL NOT CROSS FIRE RATED WALLS, CEILINGS, OR FLOORS.

D. DRAINAGE PIPING SHALL BE RUN AS STRAIGHT AS POSSIBLE AND SHALL HAVE LONG TURN FITTINGS.

E. DRAINAGE PIPING 3" SIZE AND SMALLER SHALL RUN AT A UNIFORM GRADE OF AT LEAST 1/4" PER FOOT, AND PIPING LARGER THAN 3" SHALL BE RUN AT A GRADE OF NO LESS THAN 1/6" PER FOOT.

F. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FLASHING OF THE VENT PIPING RUN THROUGH THE ROOF

5. ALL STUB-INS AND/OR SLAB OR WALL PENETRATION TO BE PER INTERNATIONAL PLUMBING CODE. ALL PIPING PENETRATIONS OF BUILDING FOUNDATIONS, FOOTINGS AND WALLS SHALL BE SLEEVED.

6. PIPE SUPPORTS

A. ABOVE GRADE
ALL PIPE SHALL BE SUPPORTED FROM THE BULDING
STRUCTURE IN A NEAT AND WORKWAMLIKE MANNER.
THE USE OF MIRE AND PERFORMED METAL TO SUPPORT
PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS
SHALL BE AS SPECIFIED IN THE INTERNATIONAL
PITURBING COMP. PLUMBING CODE.

7. MISCELLANEOUS

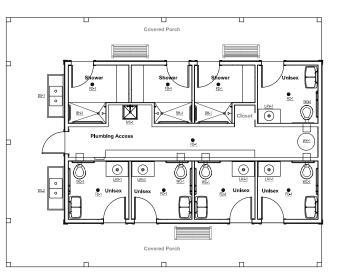
A. COORDINATE INSTALLATION OF ALL ROOF FLASHING AT ROOF PENETRATION.

B. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE.

D. SEAL AND FLASH ALL WALL PENETRATIONS AIR AND WEATHER-TIGHT.

8. TESTING AND DISINFECTION

A. PLUMBING SYSTEMS SHALL BE FLOW AND PRESSURE TESTED & DISINFECTED IN ACCORDANCE WITH STANDARD PRACTICE AND THE INTERNATIONAL PLUMBING CODE.



PLUMBING PLAN

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SOIL OR WASTE PIPE (BELOW GROUND)	<u></u>	VACUUM BREAKER
	SOIL OR WASTE PIPE (ABOVE GROUND)	Ø	PRESSURE GAGE
	VENT PIPE (V)	Ī	TEMPERATURE CAGE
	COLD WATER PIPE (CW)	_ * _	PRESSURE REDUCING VALVE
	HOT WATER PIPE (HW)		GAS COCK
	HOT WATER RETURN (HWR)	VTR	VENT THROUGH ROOF
G	GAS PIPE	LAV	LAVATORY
SD	STORM DRAIN	wc	WATER CLOSET
─ ○ FD	FLOOR DRAIN	URN	URINAL
<u> </u>	CLEAN-OUT(FLOOR)	4	COLD WATER CONNECTION
	CLEAN-OUT(WALL OR ABOVE CLG.)	⊲ (120°F)	HOT WATER CONNECTION
(WH)	HOT WATER HEATER	⊲ (140%)	HOT WATER CONNECTION
$\rightarrow\!$	CATE VALVE	∢	HOT WATER RETURN CONNECTIO
$\dashv \vdash$	CHECK VALVE	•	GAS CONNECTION
≱ 1−	TEMP./PRESS. RELIEF VALVE	C.S.	IN CRAWL SPACE
	FIXTURE ISOLATION VALVE	GV	ELECTRIC GAS VALVE FOR PIPING UNDER HOODS -
—b€1—	BALL VALVE		TIE INTO ANSUL SYSTEM

		PLUMI	BING FIXTURE SCHEDULE	
WARK	DESCRIPTION	MANUFACTURER - MODEL #	ACCESSORES & NOTES	COLOR & FINISH
WC-1	ACCESSIBLE TOILET	AMERICAN STANDARD: AFWALL MILLENUM FLOWSE 1.28 OPF FLUSHOMETER MODEL: 2858.128	RIJEN WWY: AMERICAN STANDARD MODEL, 6047.122.002 TOLET SERT: AMERICAN STANDARD MODEL, #5001.100 CASSER:	WHITE
LAV1	COUNTER SINK	CORINE: ADA-COMPLIANT MODEL #810	foldet: Symmons symmetry $S-20-2-0.5$, Trap: Chrome Plated, Mixing Volve: Symmons Maxilme $7-210-CK-W$, PIPE Covers: Truebho Lav Quard 2 $E-2$ series	AS SELECTED BY ARCHITECT
MS-1	MOP SINK	FIAT MODEL 24"X24" MOP SINK MODEL MSB-2424	FAUCET: FIAT MCDEL 830AA S.S. WALL GUARD: FIAT MODEL MS62424 HOSE & BRACKET: FIAT MCDEL 832AA MOP HANBET: FIAT MCDEL 889CC	WHITE
SH-1	ACCESSIBLE SHOWER	CUSTOM	DRAIN: WATTS FD-1100-A-2-NH-45-7, HEAD: SYMMONS SAFETNEX 4-151 (2 HEXAS © ADA), CONTROLS: SYMMONS SAFETNEX 4-500-BY-46, EMERTER WILLE: SYMMONS MODEL 2014, CON-06: FLUID MANUFACTURING COM OFFENTED CONTROL VALVE SYSTEM.	AS SELECTED BY ARCHITECT
FD-1	FLOOR DRAIN	ZURN: MODEL FD2-TSP-VP	TIMP PRIMER: PRECISION PLUMBING PRODUCTS PR-500	
DS-1	DISH SINK	ADVINCE TABOD: VIXCT-246 WITH TA-11A-2 BOWLS AND ADJUSTABLE LEGS MOUNTED AT ACCESSIBLE HEIGHT	FULCE: ADMINIST TABOO HEAVY DUTY MODEL K-118, $12^{\prime\prime}$ Spout; Stanless Steel Stranger and Drain Body; provide 1 faucet for Boml.	STAINLESS STEEL
DS-2	DISH SINK	ADMINICE TABOD: WIOT-246 WITH TA-118-2 BOWLS AND ADJUSTABLE LEGS WOUNTED AT ACCESSIBLE HEIGHT	FAULET: ADMANCE TABOD HEAVY DUTY MODEL K118, 12" SPOUT; STAINLESS STEEL, STRAINER AND DRAIN BODY; PROVIDE 1 FAUCET FOR BOWL.	STAINLESS STEEL
				-

WITE PRING SHAL RE NEXALED TO ALLOW FROM SOCIOUS CHARMAN SHALL BE NOS OF DESIGN, ALTERNATIVES WILL BE ACCEPTED

WITE PRING SHAL BE NEXALED TO ALLOW FROM SOCIOUS CHARMAN SHALL BE LOCATED TO LIMIT PARCE.

FERSAL OF BETTER QUART.

SHAN WHILE SHALL BE NOTED TO LIMIT PARCE. 2 PROVIDE ALL NECESSARY TRIM AND FITTINGS REQUIRED FOR A COMPLETE INSTALLATION