

LOCUS MAP

STATE OF RHODE ISLAND

D ■ E ■ M



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT DEMOLITION AND REBUILD OF BATHHOUSES BURLINGAME STATE PARK AND CAMPGROUND CHARLESTOWN, RHODE ISLAND

OCTOBER 2023

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CIVIL/STRUCTURAL ENGINEER

CAPUTO AND WICK LTD.
1150 PAWTUCKET AVENUE
RUMFORD, R.I. 02916
(401) 434-8880

SHEETS EC-1 TO 7, C-1 THRU C-8,
S/Sb-1 THRU S/Sb-5 AND S-6

MECHANICAL ENGINEER

STERLING ENGINEERING CO., INC.
79 MAIN STREET
STURBRIDGE, MA 01566
(508) 347-9101

SHEETS M-1.1 TO M-1.6 AND P-1.1 TO P-5.2

ARCHITECT

GEORGE S. BURMAN, AIA
66 HIGHLAND ROAD
BRISTOL, RI 02809
(617) 901-0304

SHEETS A/Ab-1 TO A/Ab-17

ELECTRICAL ENGINEER


WILKINSON ASSOCIATES INC.
615 JEFFERSON BOULEVARD
WARWICK, RI 02886
(401) 737-6386

SHEETS E-0.1 TO E-5.0 AND
SHEETS ES-1.0 TO ES-1.5

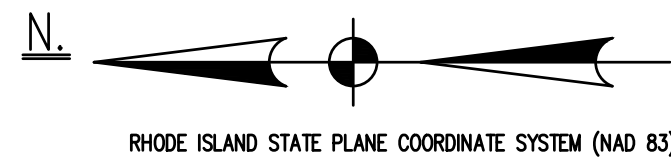


SHEETS 9 THRU 36

BURLINGAME STATE PARK AND CAMPGROUND

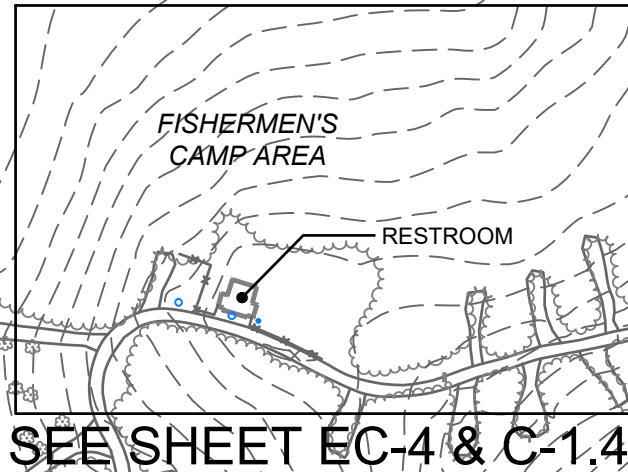
 STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT	
DEMOLITION AND REBUILD OF BATHHOUSES BURLINGAME STATE PARK AND CAMPGROUND CHARLESTOWN, RHODE ISLAND	
COVER SHEET	
Dwg:	Scale:
Contract No. x	Date: OCTOBER 6, 2023
CVR-0 1 OF 106	

OCTOBER 6, 2023

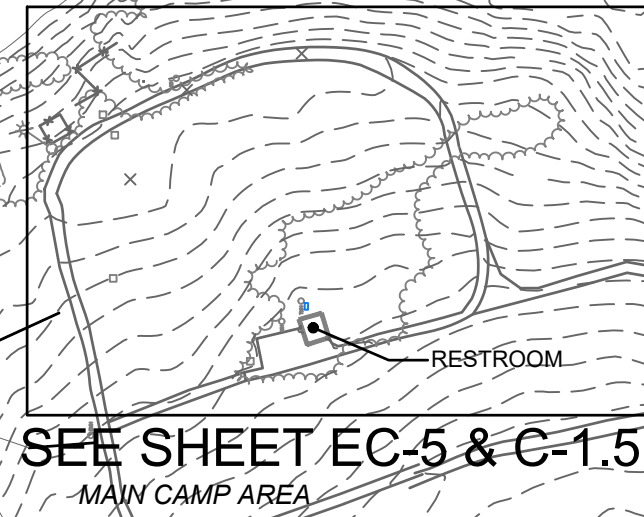


WATCHAUG POND

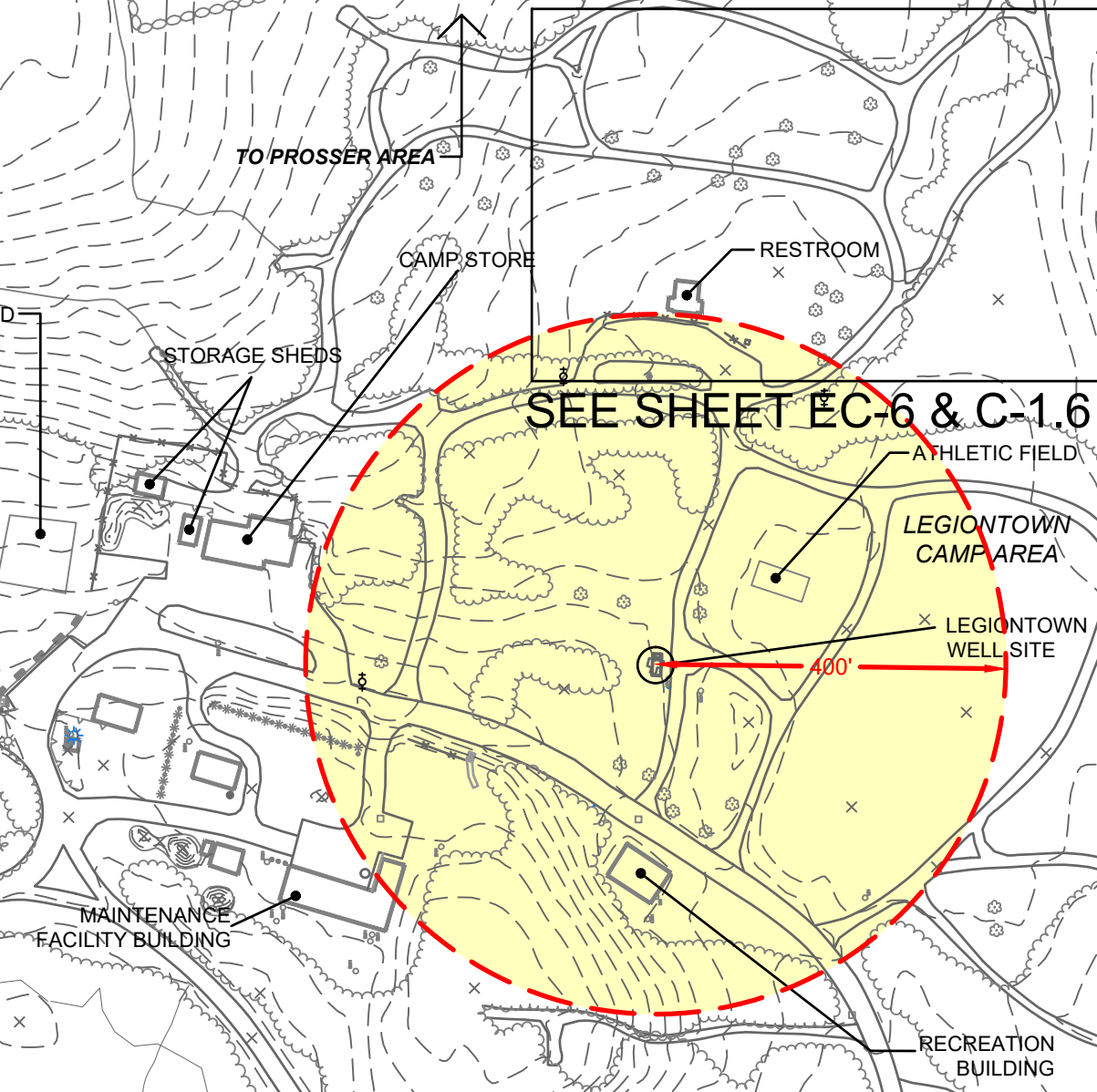
FISHERMAN'S CAMP



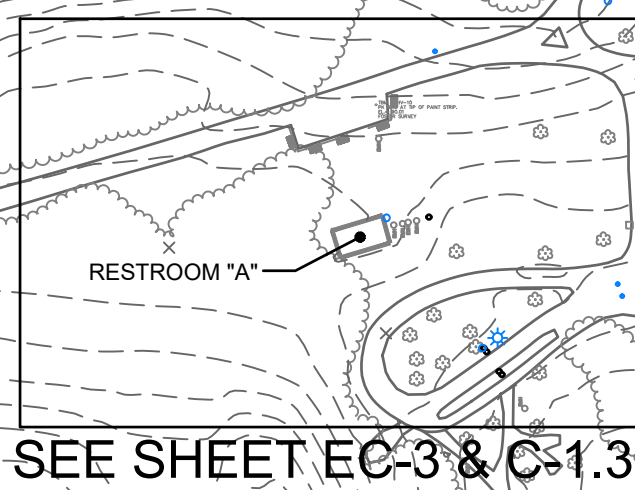
MAIN CAMP



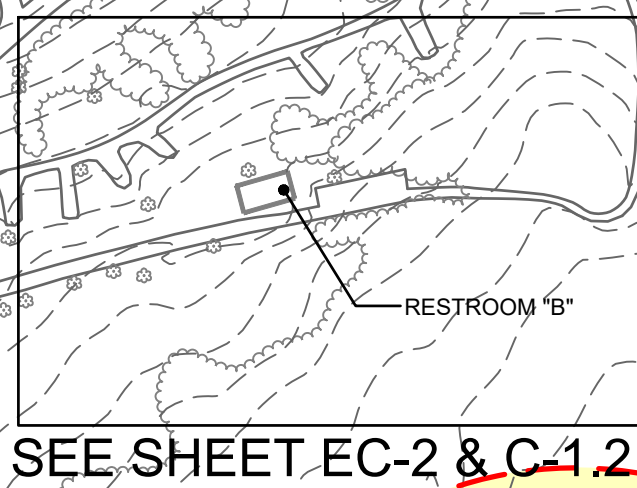
LEGION TOWN



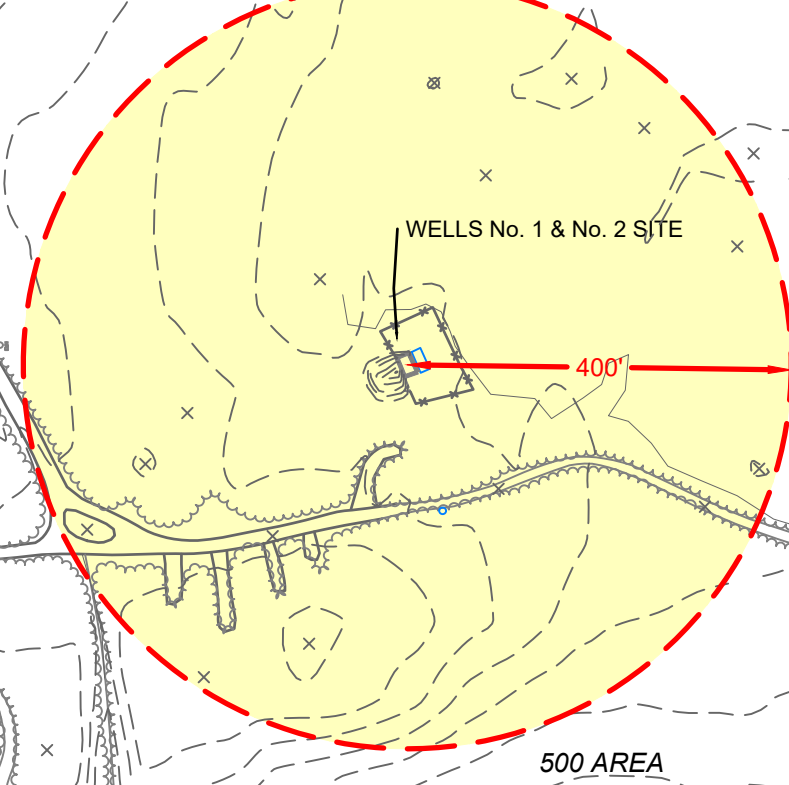
AREA "A"



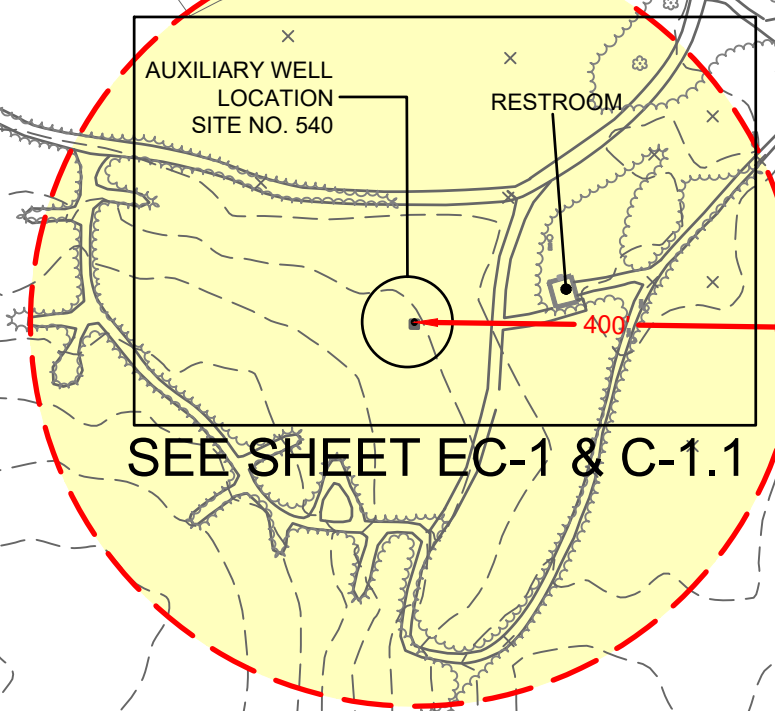
AREA "B"



400 AREA



MILLS CAMP



CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916

BURLINGAME STATE PARK AND CAMPGROUND

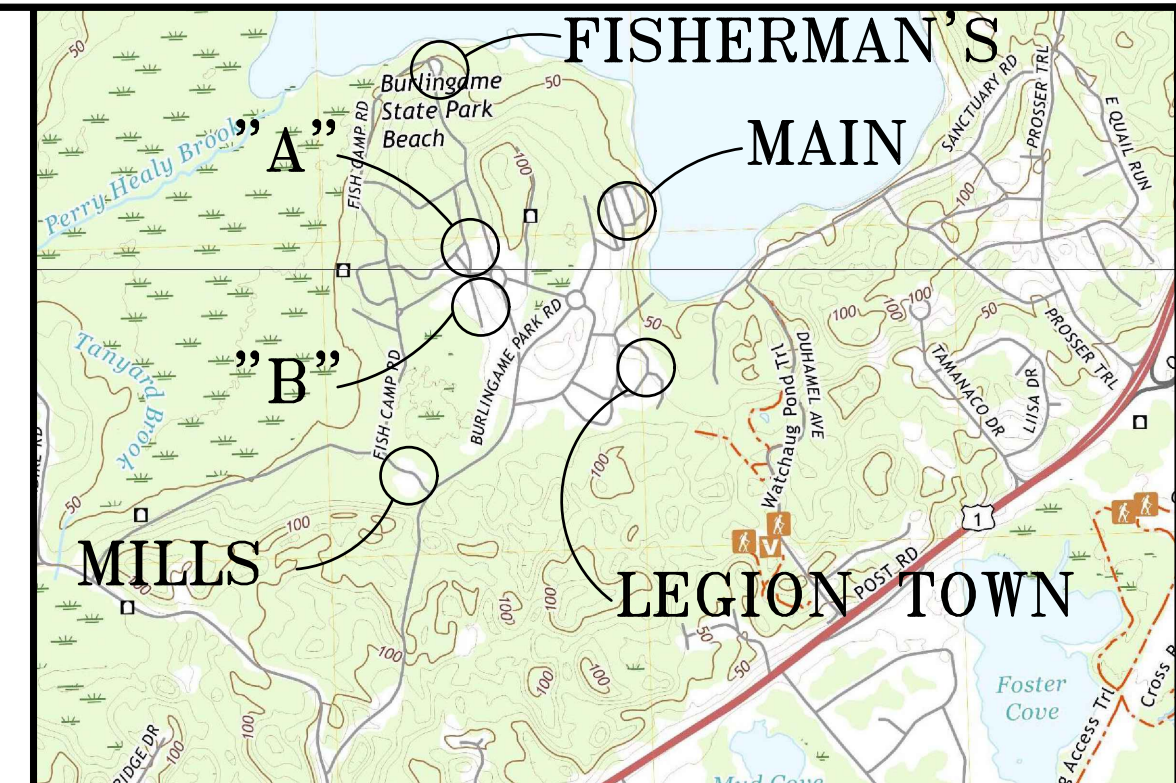
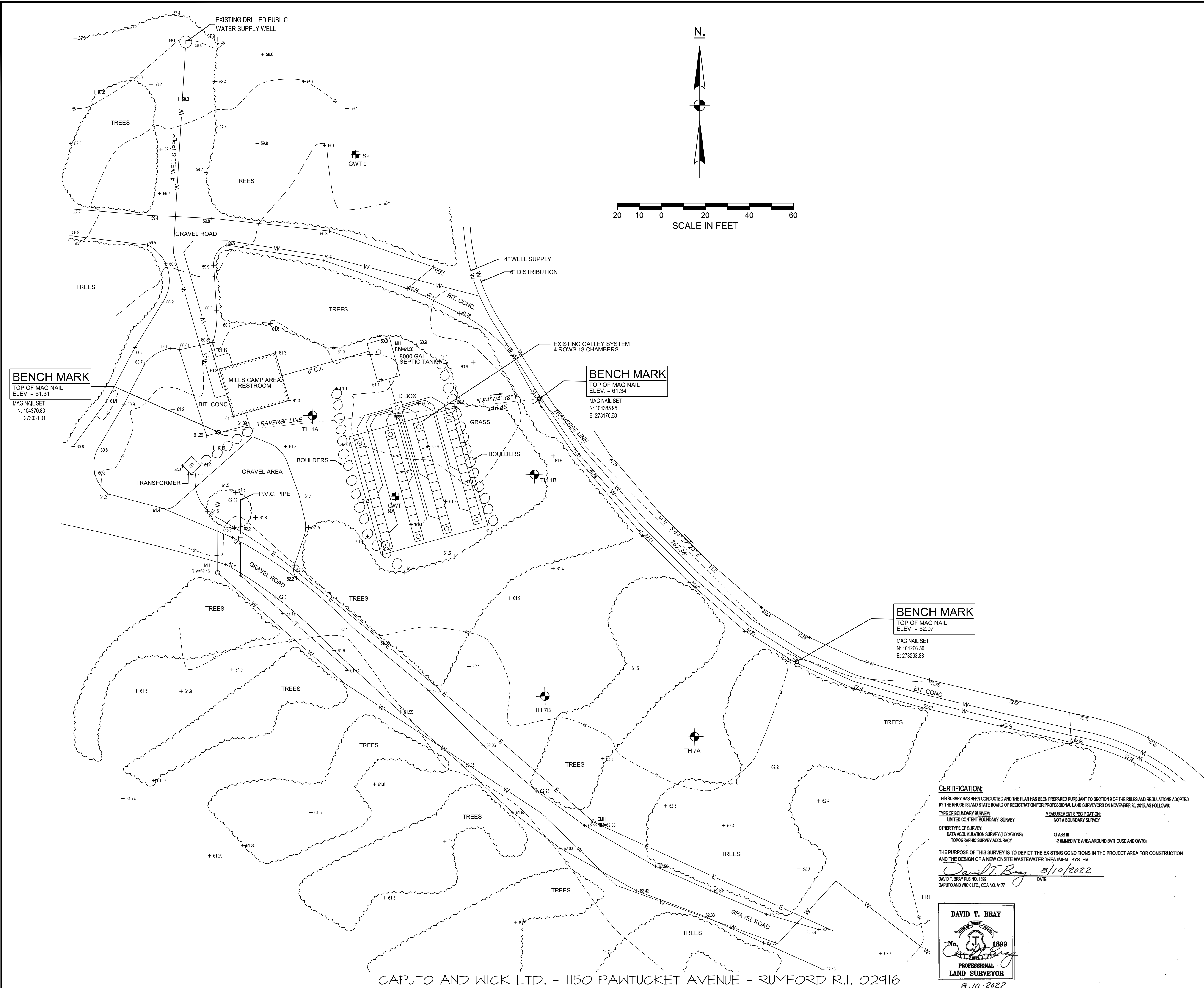


STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

GENERAL OVERALL - EXISTING CONDITIONS MAP

Dwg:	Scale: 1" = 200'	EC-0 2 OF 106
Contract No. x	Date: OCTOBER 6, 2023	



LOCUS MAP

-----	STONE WALL
PLAT 100 - LOT 10	ASSESSORS PLAT/LOT NUMBER
EXIST.	EXISTING
N	NORTH
S	SOUTH
E	EAST
W	WEST
TL	TRAVERSE LINE
RT	RIGHT
LT	LEFT
S.F.	SQUARE FEET
R.O.W.	RIGHT OF WAY
S.H.L.	STATE HIGHWAY LINE
PC	POINT OF CURVATURE
PO	POINT OF INTERSECTION
PT	POINT OF TANGENCY
STA.	STATION
*	DEGREE
	MINUTE/FEET
*	SECONDS
Δ	DELTA
NO.	NUMBER
NAD 80	NORTH AMERICAN VERTICAL DATUM OF 1980
NAD 83	NORTH AMERICAN HORIZONTAL DATUM OF 1983
I.R.	IRON ROD
P.L.	PROPERTY LINE
P. COR.	PROPERTY CORNER
SLS x	OAK STAKE WITH NAIL
SEC.	SECTION MEASUREMENT
MEAS.	FIELD MEASUREMENT
+ 00.00	SPOT ELEVATION
---	TRAVERSE LINE
---55---	COUNTOUR MAJOR
---56---	COUNTOUR MINOR
~~~~~	EDGE OF TREE LINE

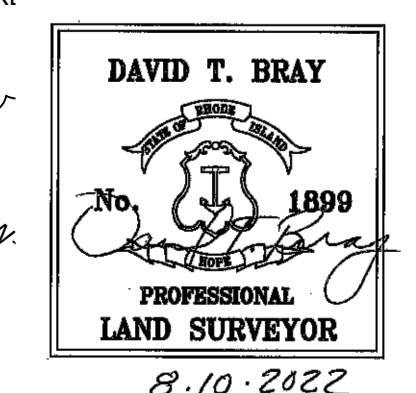
**CERTIFICATION:**


THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2016, AS FOLLOWS:

<u>TYPE OF BOUNDARY SURVEY</u>	<u>MEASUREMENT SPECIFICATION</u>
LIMITED CONTENT BOUNDARY SURVEY	NOT A BOUNDARY SURVEY
OTHER TYPE OF SURVEY:	
DATA ACCUMULATION SURVEY (LOCATIONS)	CLASS II
TOPOGRAPHIC SURVEY ACCURACY	T2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWITS)

THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ONSITE WASTEWATER TREATMENT SYSTEM.

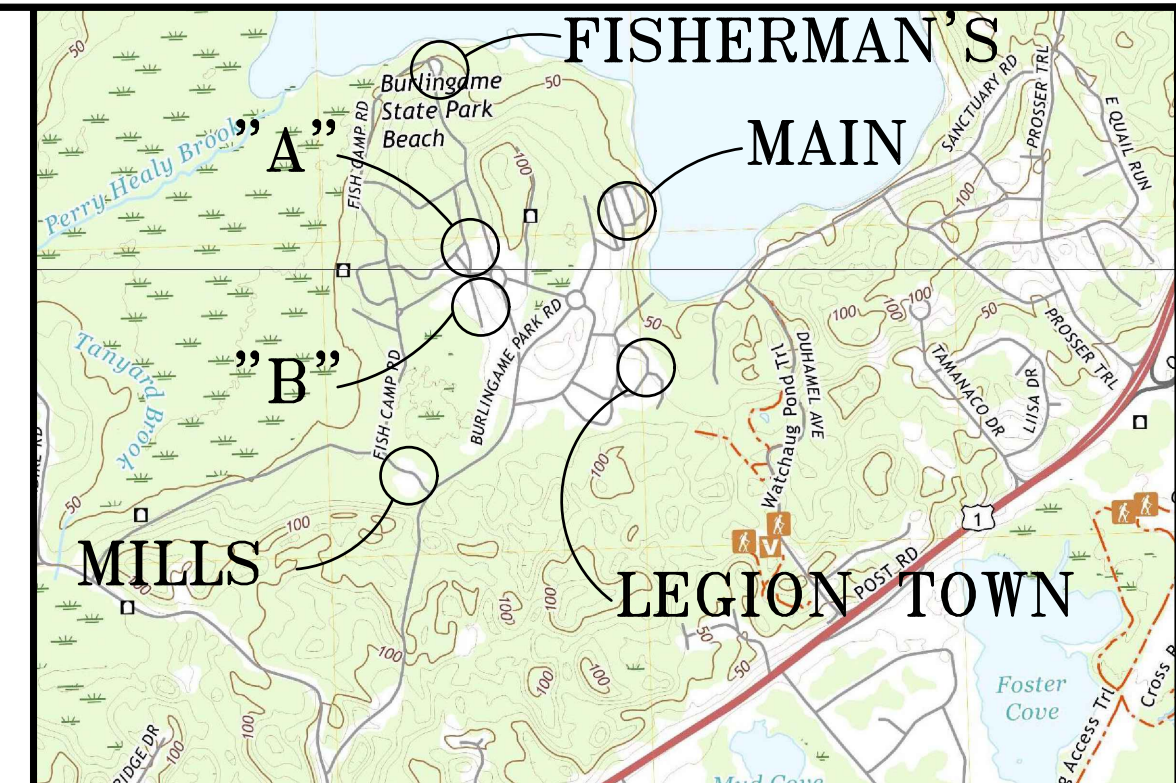
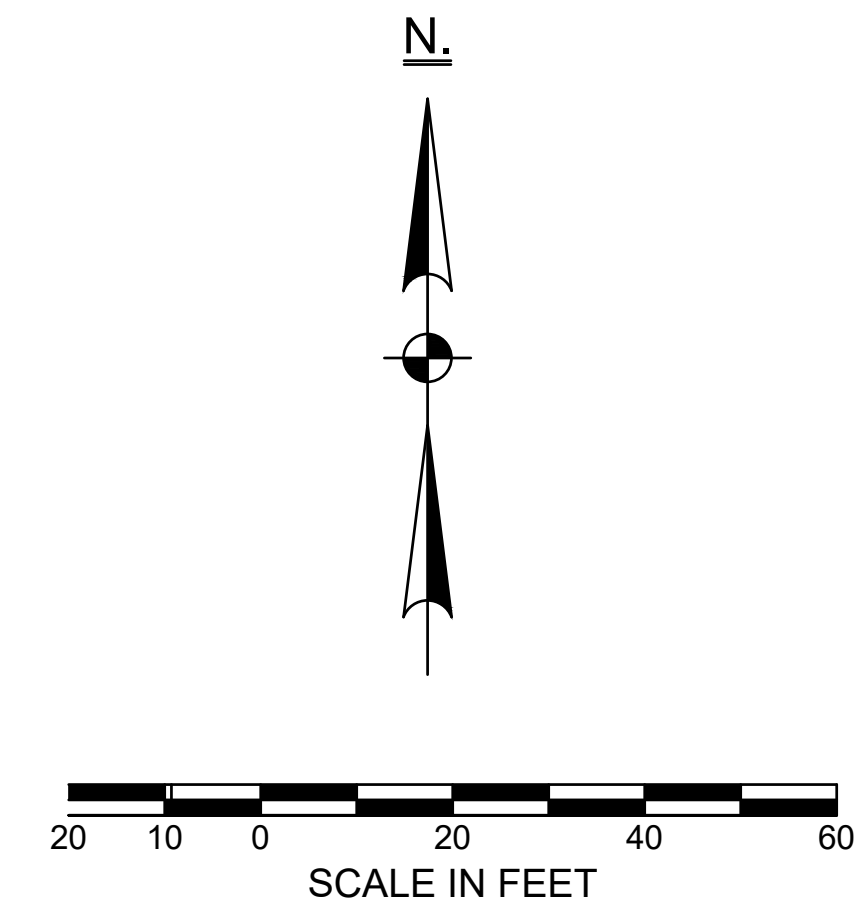
*Daniel T. Bray*      8/10/2022  
_____  
DAVID T. BRAY PLS NO. 1898      DATE  
CAPUTO AND WICK LTD., COA NO. A177



	STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT	
	DEMOLITION AND REBUILD OF BATHHOUSES BURLINGAME STATE PARK AND CAMPGROUND CHARLESTOWN, RHODE ISLAND	
MILLS CAMP BATHHOUSE - EXISTING CONDITIONS		
Dwg:	Scale: 1" = 20'	EC-1 3 OF 106
Contract No. x	Date: OCTOBER 6, 2023	



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LOCUS MAP

#### LEGEND

-----	STONE WALL
PLAT 100 - LOT 10	ASSESSORS PLAT/LOT NUMBER
EXIST.	EXISTING
N	NORTH
S	SOUTH
E	EAST
W	WEST
TL	TRAVERSE LINE
RT	RIGHT
LT	LEFT
S.F.	SQUARE FEET
R.O.W.	RIGHT OF WAY
S.H.L.	STATE HIGHWAY LINE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
STA.	STATION
+	DEGREE
'	MINUTE/FEET
''	SECONDS
Δ	DELTA
NO.	NUMBER
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
NAD 83	NORTH AMERICAN HORIZONTAL DATUM OF 1983
I.R.	IRON ROD
P.L.	PROPERTY LINE
P. COR.	PROPERTY CORNER
SN/S X	OAK STAKE WITH NAIL
REC.	RECORD MEASUREMENT
MEAS.	FIELD MEASUREMENT
+ 00.00	SPOT ELEVATION
---	TRAVERSE LINE
---	COUNTOUR MAJOR
---	COUNTOUR MINOR
---	EDGE OF TREE LINE

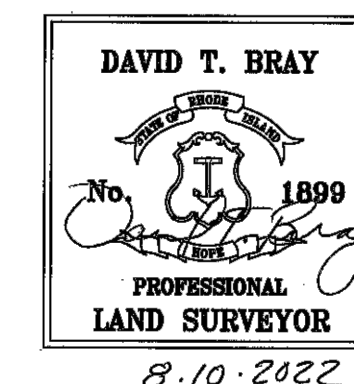
#### CERTIFICATION:

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 8 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2010, AS FOLLOWS:


TYPE OF BOUNDARY SURVEY:	MEASUREMENT SPECIFICATION:
LIMITED CONTENT BOUNDARY SURVEY	NOT A BOUNDARY SURVEY
OTHER TYPE OF SURVEY:	
DATA ACCUMULATION SURVEY (LOCATIONS)	CLASS II
TOPOGRAPHIC SURVEY ACCURACY	T-2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWTB)

THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ONSITE WASTEWATER TREATMENT SYSTEM.

*David T. Bray* 8/10/2022  
DAVID T. BRAY PLS NO. 1999 DATE  
CAPUTO AND WICK LTD., COA NO. A177



CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916

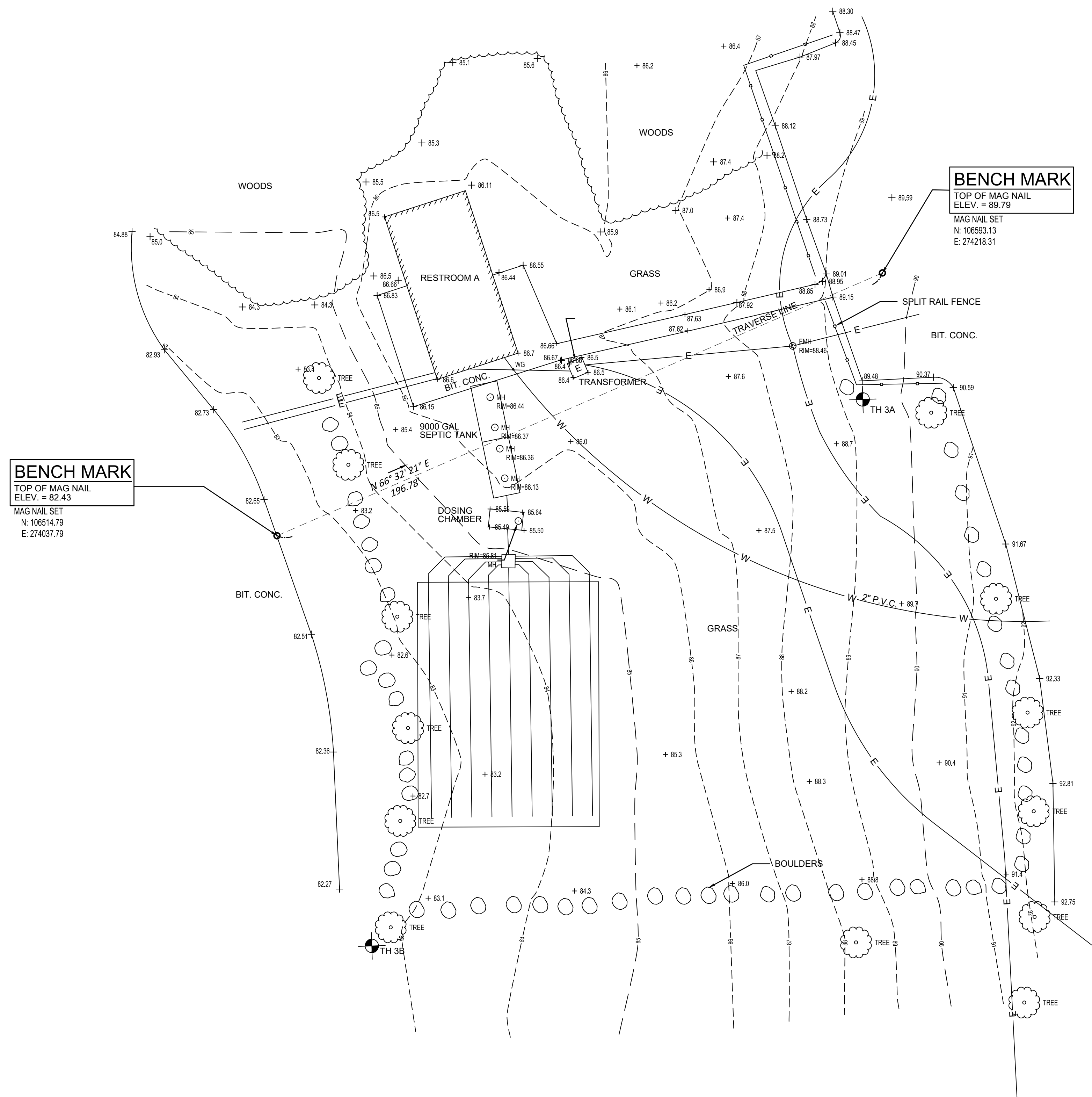
	
STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT	
DEMOLITION AND REBUILD OF BATHHOUSES BURLINGAME STATE PARK AND CAMPGROUND CHARLESTOWN, RHODE ISLAND	
BATHHOUSE "B" - EXISTING CONDITIONS	
Dwg:	Scale: 1" = 20'
Contract No. x	Date: OCTOBER 6, 2023
EC-2 4 OF 106	

OCTOBER 6, 2023

BURLINGAME STATE PARK AND CAMPGROUND



J:\Rhode Island\Charlestown\RIDEM - Burlingame\003 - 008 Survey.dwg



**CERTIFICATION:**

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**TYPE OF BOUNDARY SURVEY:**

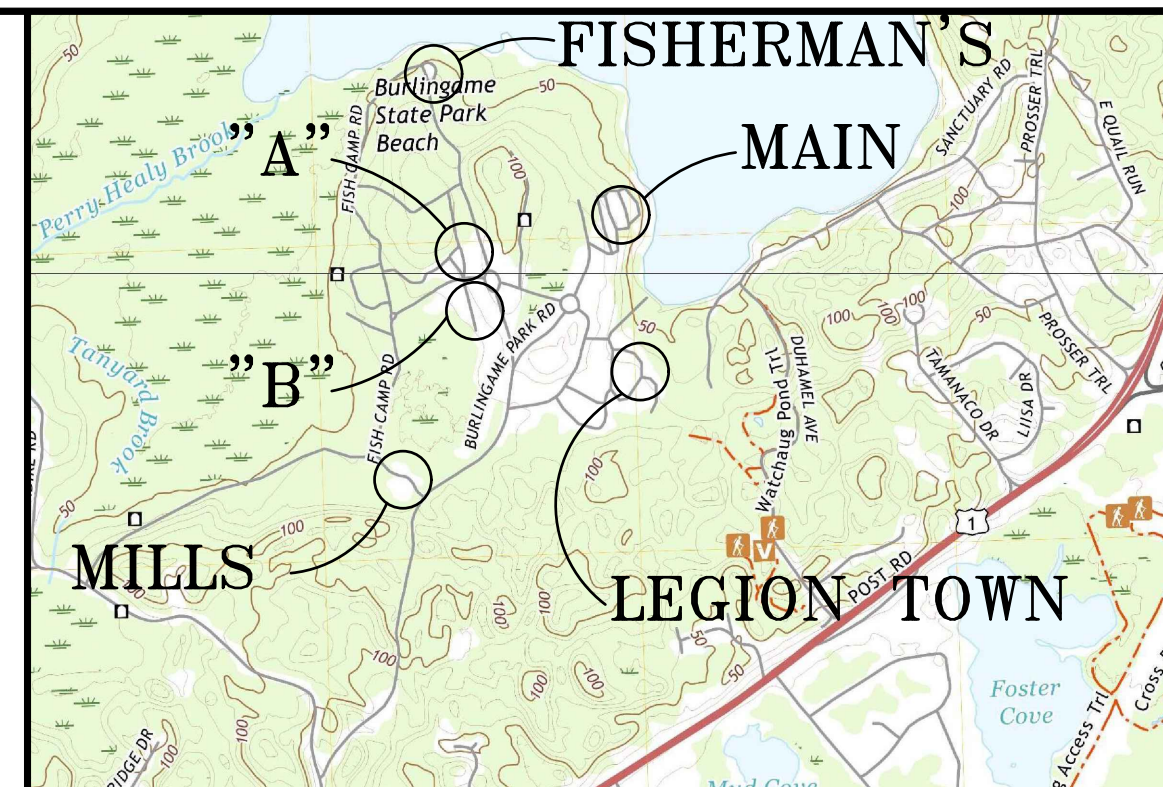
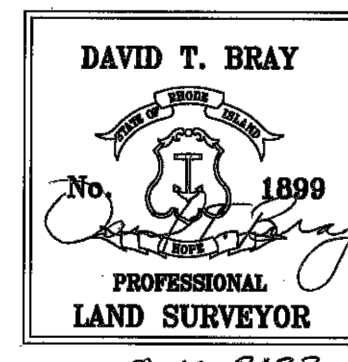
LIMITED CONTENT BOUNDARY SURVEY  
OTHER TYPE OF SURVEY:  
DATA ACCUMULATION SURVEY (LOCATIONS)  
TOPOGRAPHIC SURVEY ACCURACY

**MEASUREMENT SPECIFICATION:**

NOT A BOUNDARY SURVEY  
CLASS II  
T-2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWTs)

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*David T. Bray* 8/10/2022  
DAVID T. BRAY PLS NO. 1999  
CAPUTO AND WICK LTD., COA NO. A177



LOCUS MAP

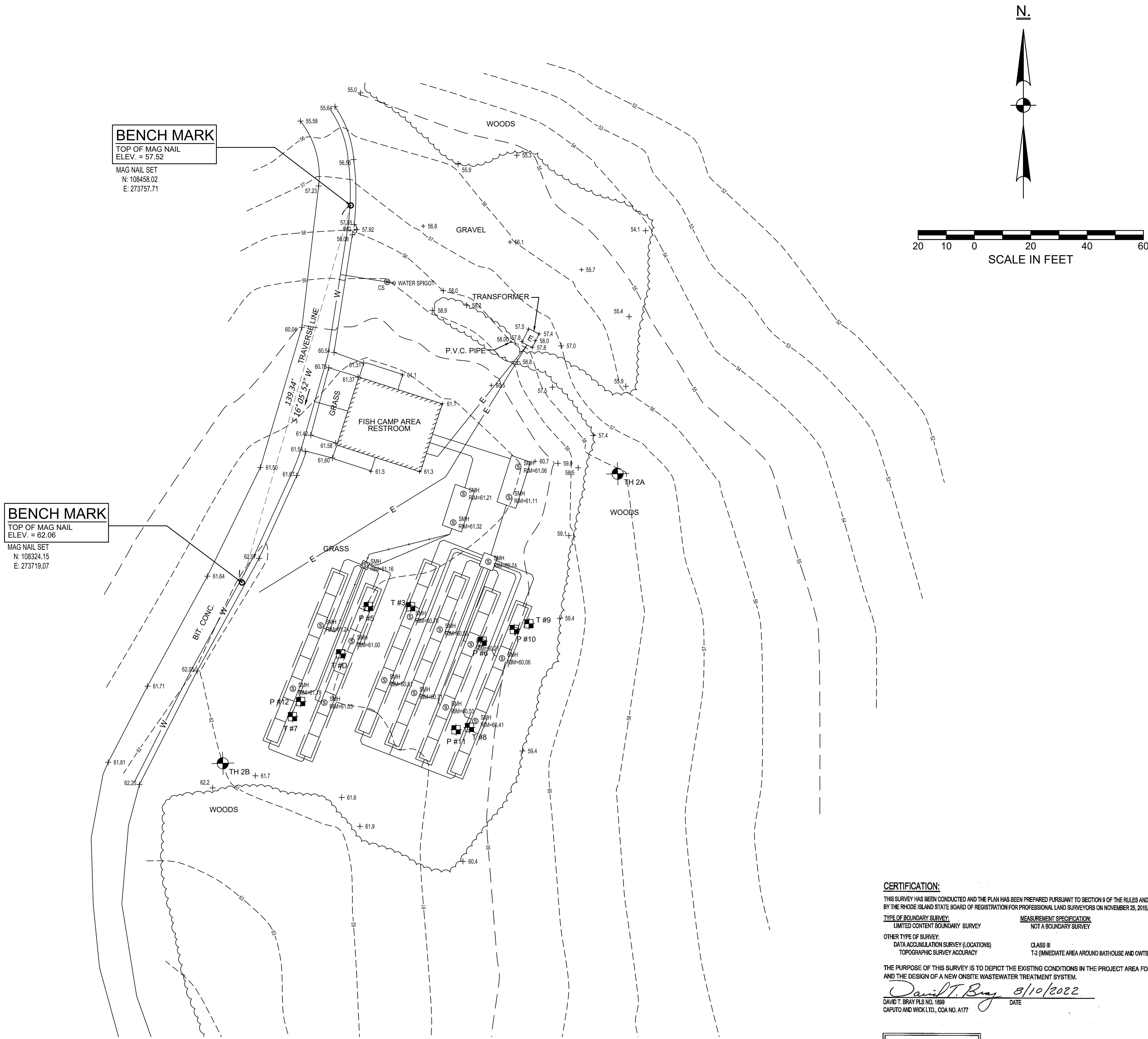
**LEGEND**

-----	STONE WALL
PLAT 100 - LOT 10	ASSESSORS PLAT/LOT NUMBER
EXIST.	EXISTING
N	NORTH
S	SOUTH
E	EAST
W	WEST
TL	TRAVERSE LINE
RT	RIGHT
LT	LEFT
S.F.	SQUARE FEET
R.O.W.	RIGHT OF WAY
S.H.L.	STATE HIGHWAY LINE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
STA.	STATION
°	DEGREE
'	MINUTE/FEET
''	SECONDS
Δ	DELTA
NO.	NUMBER
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
NAD 83	NORTH AMERICAN HORIZONTAL DATUM OF 1983
I.R.	IRON ROD
P/L	PROPERTY LINE
P. COR.	PROPERTY CORNER
SNL X	OAK STAKE WITH NAIL
REC.	RECORD MEASUREMENT
MEAS.	FIELD MEASUREMENT
+ 00.00	SPOT ELEVATION
---	TRAVERSE LINE
---	COUNTOUR MAJOR
---	COUNTOUR MINOR
---	EDGE OF TREE LINE

	
STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT	
DEMOLITION AND REBUILD OF BATHHOUSES BURLINGAME STATE PARK AND CAMPGROUND CHARLESTOWN, RHODE ISLAND	
BATHHOUSE "A" - EXISTING CONDITIONS	
Dwg:	Scale: 1" = 20'
Contract No. x	Date: OCTOBER 6, 2023
EC-3 5 OF 106	



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LIMITED CONTENT BOUNDARY SURVEY

OTHER TYPE OF SURVEY:

DATA ACCUMULATION SURVEY (LOCATIONS)

TOPOGRAPHIC SURVEY ACCURACY

**MEASUREMENT SPECIFICATION:**

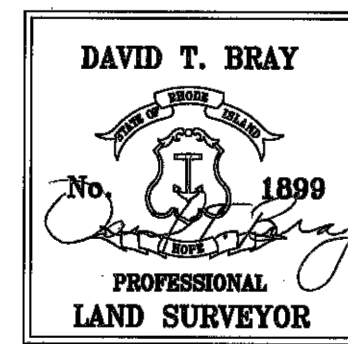
NOT A BOUNDARY SURVEY

CLASS II

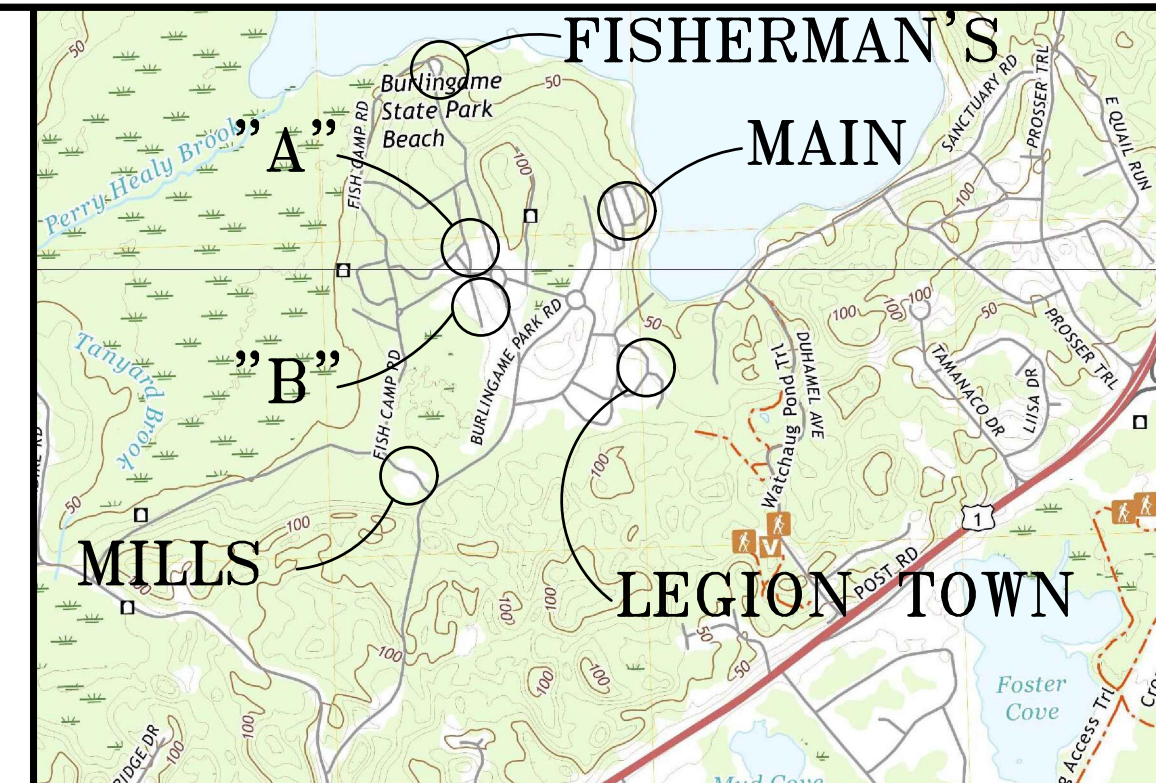
T-2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWS)

THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ONSITE WASTEWATER TREATMENT SYSTEM.

*David T. Bray* 8/10/2022  
DAVID T. BRAY PLS NO. 1899  
CAPUTO AND WICK LTD., COA NO. A177




CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916



LOCUS MAP

**LEGEND**

-----	STONE WALL
PLAT 100 - LOT 10	ASSESSORS PLAT/LOT NUMBER
EXIST.	EXISTING
N	NORTH
S	SOUTH
E	EAST
W	WEST
TL	TRAVERSE LINE
RT	RIGHT
LT	LEFT
S.F.	SQUARE FEET
R.O.W.	RIGHT OF WAY
S.H.L.	STATE HIGHWAY LINE
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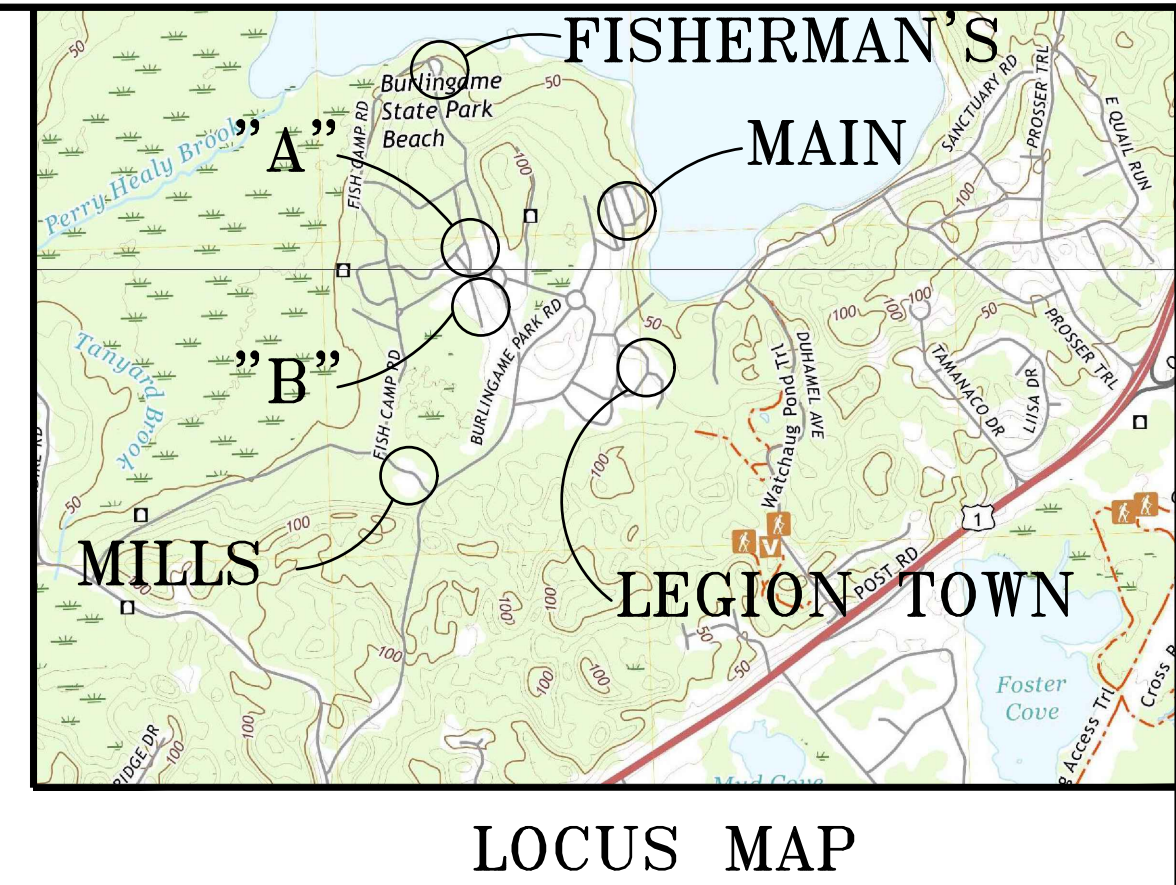
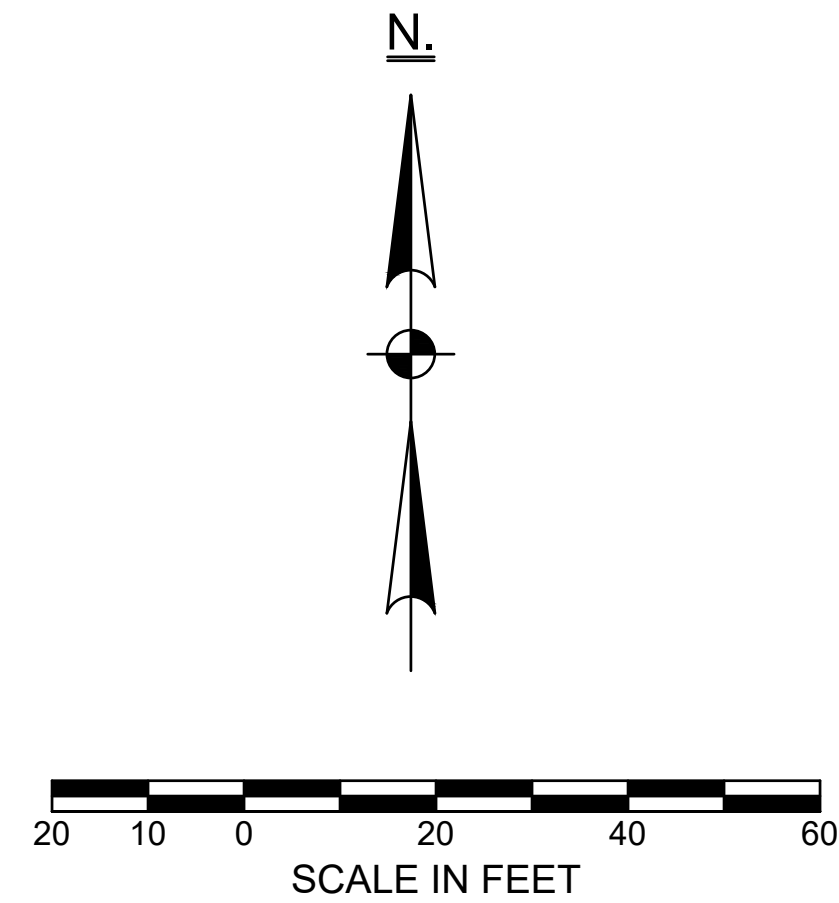
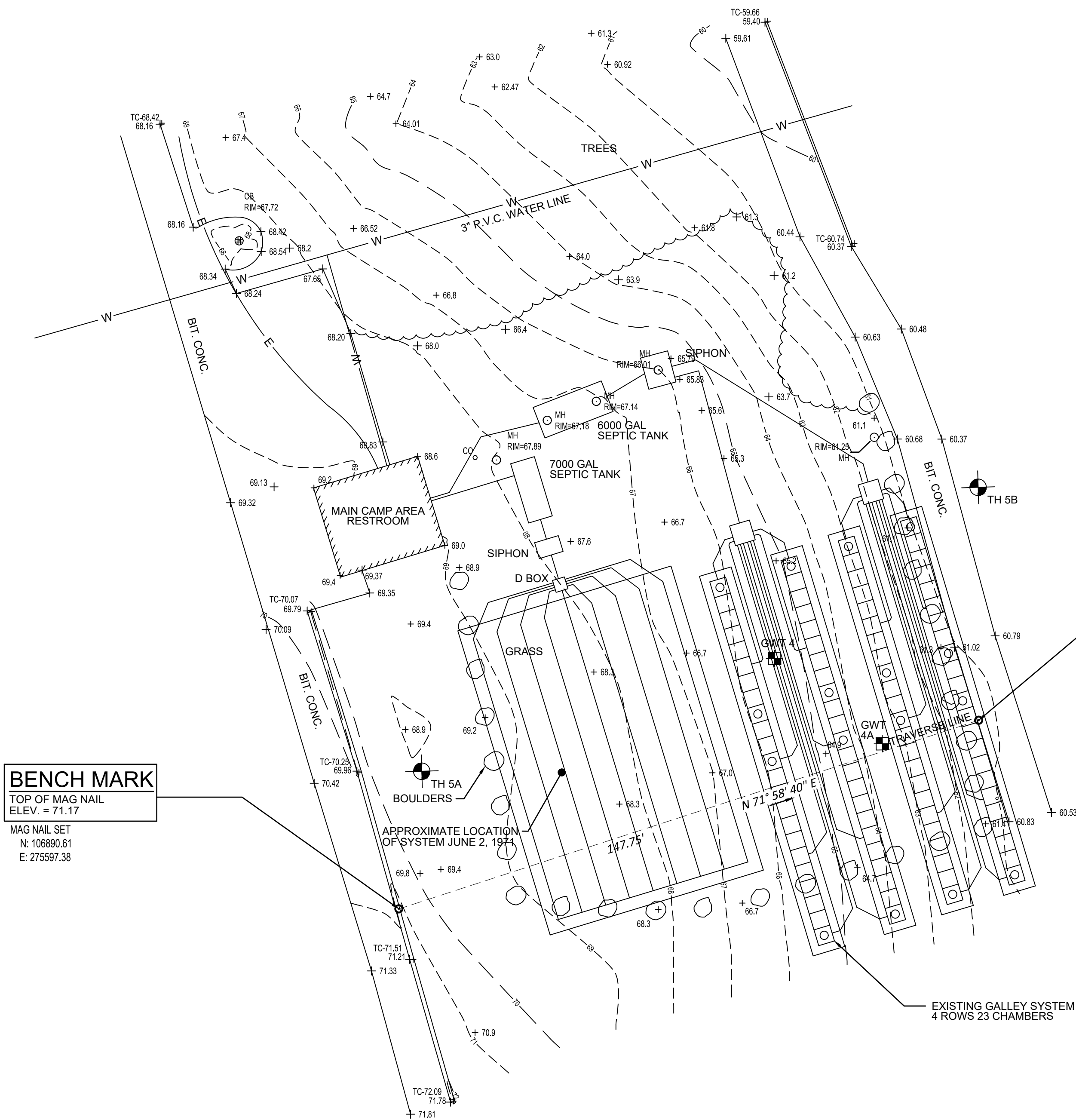
	
STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT	
DEMOLITION AND REBUILD OF BATHHOUSES BURLINGAME STATE PARK AND CAMPGROUND CHARLESTOWN, RHODE ISLAND	
FISH CAMP BATHHOUSE - EXISTING CONDITIONS	
Dwg:	Scale: 1" = 20'
Contract No. x	Date: OCTOBER 6, 2023
EC-4 6 OF 106	

OCTOBER 6, 2023

BURLINGAME STATE PARK AND CAMPGROUND



J:\Rhode Island\Charlestown\RIDEM - Burlingame\003 - 008 Survey.dwg



LEGEND	
-----	STONE WALL
PLAT 100 - LOT 10	ASSESSORS PLAT/LOT NUMBER
EXIST.	EXISTING
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W	WEST
TL	TRAVERSE LINE
RT	RIGHT
LT	LEFT
S.F.	SQUARE FEET
R.O.W.	RIGHT OF WAY
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PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
STA.	STATION
+	DEGREE
'	MINUTE/FEET
SECONDS	
Δ	DELTA
NO.	NUMBER
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
NAD 83	NORTH AMERICAN HORIZONTAL DATUM OF 1983
I.R.	IRON ROD
P.L.	PROPERTY LINE
P.COR.	PROPERTY CORNER
OS X	OAK STAKE WITH NAIL
REC.	RECORD MEASUREMENT
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+ 00.00	SPOT ELEVATION
---	TRAVERSE LINE
---55---	COUNTOUR MAJOR
---56---	COUNTOUR MINOR
~~~~~	EDGE OF TREE LINE

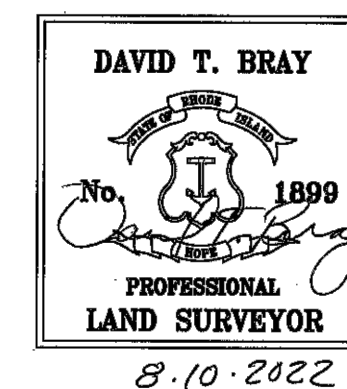
CERTIFICATION:

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TOPOGRAPHIC SURVEY ACCURACY	T-2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWTB)


THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ONSITE WASTEWATER TREATMENT SYSTEM.

David T. Bray 8/10/2022
DAVID T. BRAY PLS NO. 1999 DATE
CAPUTO AND WICK LTD., COA NO. A177

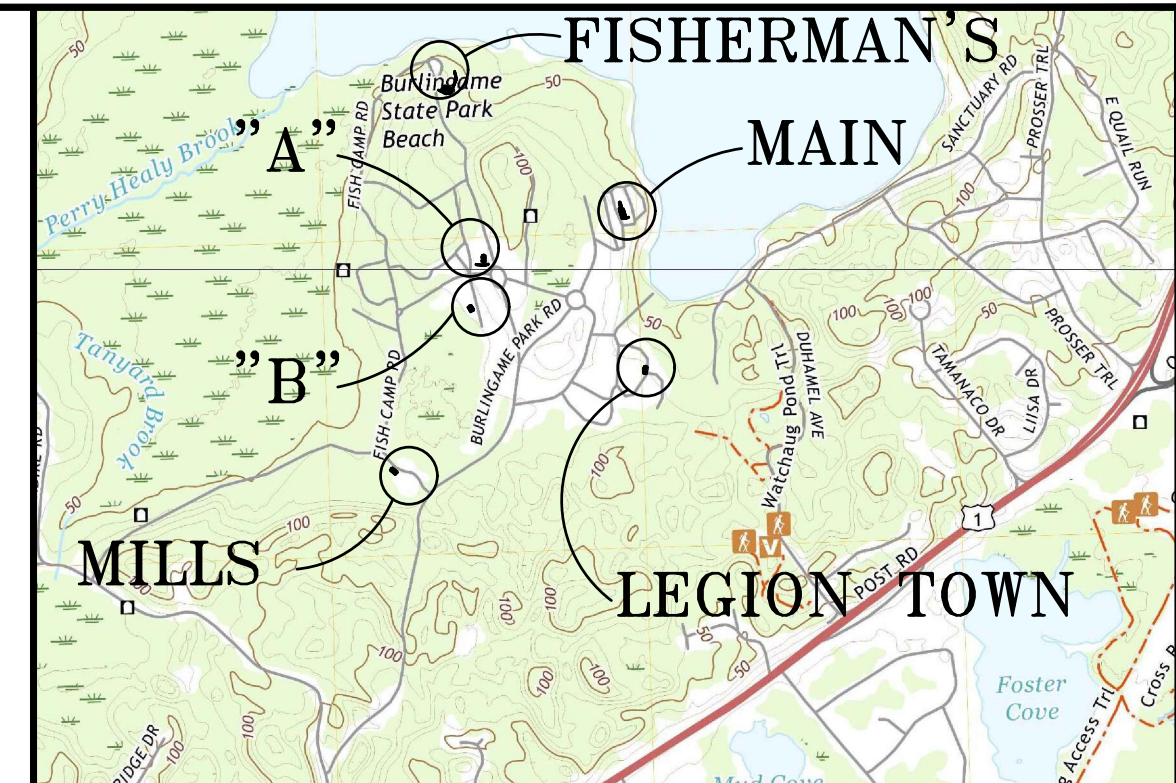
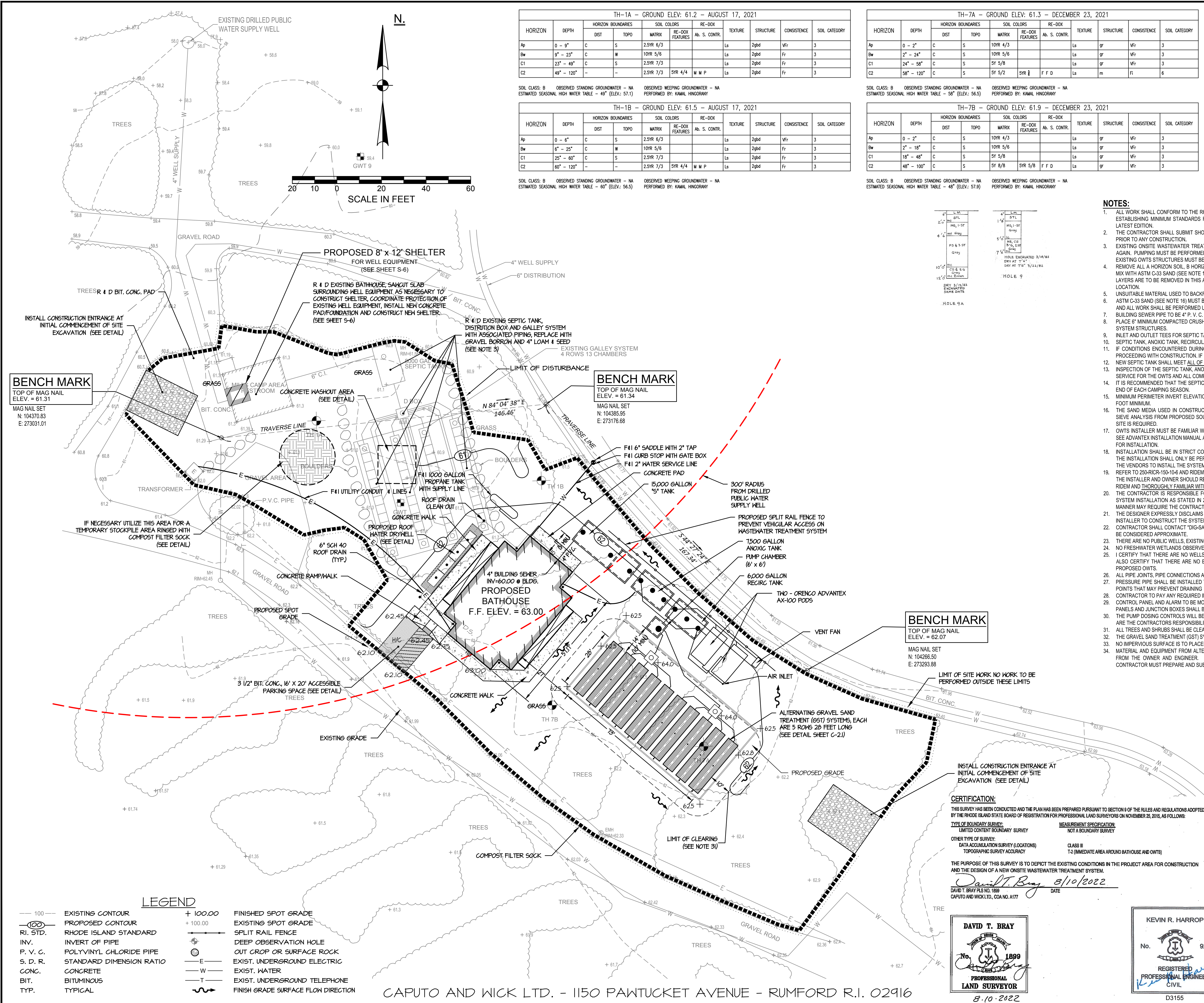


CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916

BURLINGAME STATE PARK AND CAMPGROUND

 STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT	
DEMOLITION AND REBUILD OF BATHHOUSES BURLINGAME STATE PARK AND CAMPGROUND CHARLESTOWN, RHODE ISLAND	
MAIN CAMP BATHHOUSE - EXISTING CONDITIONS	
Dwg:	Scale: 1" = 20'
Contract No. x	Date: OCTOBER 6, 2023
EC-5 7 OF 106	

OCTOBER 6, 2023



- NOTES:**
- ALL WORK SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF WATER RESOURCES "RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ON-SITE WASTEWATER TREATMENT SYSTEMS", LATEST EDITION.
 - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO CAPUTO AND WICK LTD. FOR APPROVAL OF ALL PROPOSED CONSTRUCTION MATERIALS AND EQUIPMENT PRIOR TO ANY CONSTRUCTION.
 - EXISTING ON-SITE WASTEWATER TREATMENT SYSTEM (OWTS) PRECAST STRUCTURES ARE TO BE PUMPED OUT, RINSED WITH CLEAN WATER AND PUMPED OUT AGAIN. PUMPING MUST BE PERFORMED BY A STATE LICENSED SEPTIC HAULER AND THE CONTENTS OF THE TANK DISPOSED OF PROPERLY. AFTER PUMPING, THE EXISTING OWTS STRUCTURES MUST BE FILLED WITH FLOWABLE FILL OR REMOVED AND REPLACED WITH GRAVEL BORROW AND 4" LOAM & SEED.
 - REMOVE ALL A HORIZON SOIL, B HORIZON SOIL AND SCARIFY 3" OF THE C1 HORIZON SOIL BELOW THE GRAVEL SAND TREATMENT (GST) SYSTEM AND THOUGHLY MIX WITH ASTM C-33 SAND (SEE NOTE 16) TO INTERFACE THE FILL WITH THE SOIL, AND REPLACE ALL REMOVED SOIL WITH ASTM C-33 SAND. A AND B SOIL HORIZON LAYERS ARE TO BE REMOVED IN THIS APPLICATION DUE TO COMPACTION CAUSED BY VEHICLE TRAFFIC OVER THE PROPOSED GRAVEL SAND TREATMENT SYSTEM LOCATION.
 - UNSATURABLE MATERIAL USED TO BACKFILL THE TEST HOLES SHALL BE REMOVED AND REPLACED WITH WITH ASTM C-33 SAND (SEE NOTE 16).
 - ASTM C-33 SAND (SEE NOTE 16) MUST BE PLACED ON SCARIFIED, RELATIVELY DRY NATURAL SOIL. THE CONTRACTOR SHALL PROVIDE FOR DEWATERING AS REQUIRED AND ALL WORK SHALL BE PERFORMED UNDER DRY CONDITIONS.
 - BUILDING SEWER PIPE TO BE 4" P.V.C. SCH. 40 UNLESS OTHERWISE NOTED.
 - PLACE A MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER, ADVANTEX TREATMENT TANKS AND SYSTEM STRUCTURES.
 - INLET AND OUTLET TEES FOR SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK AND PUMP CHAMBER ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
 - SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK RISERS/COVERS TO BE AT FINISH GRADE.
 - IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION. IF IN DOUBT, ASK.
 - NEW SEPTIC TANK SHALL MEET ALL OF THE REQUIREMENTS OF 250-RICR-150-10-6.27.
 - INSPECTION OF THE SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK SHALL BE PART OF THE MAINTENANCE SERVICE FOR THE OWTS AND ALL COMPONENTS SHALL BE CLEANED WHEN REQUIRED.
 - IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH OR AT THE END OF EACH CAMPING SEASON.
 - MINIMUM PERMETER INVERT ELEVATION = 61.25. NO FINISHED GRADE BELOW 61.25 FROM THE EDGE OF THE GRAVEL SAND TREATMENT (GST) SYSTEM FOR A 10 FOOT MINIMUM.
 - THE SAND MEDIA USED IN CONSTRUCTION SHALL MEET THE ASTM C-33 SPECIFICATIONS AND ANY OTHER REQUIREMENTS STATED IN 250-RICR-150-10-6.37.2.B. SIEVE ANALYSIS FROM PROPOSED SOURCE IS REQUIRED TO BE SUBMITTED TOGETHER WITH SHOP DRAWINGS. TESTING OF SAND MATERIAL DELIVERED TO THE SITE IS REQUIRED.
 - OWTS INSTALLER MUST BE FAMILIAR WITH ADVANTEX PRODUCTS AND GEOMATRIX GRAVEL SAND TREATMENT (GST LEACHING) SYSTEMS PROPOSED FOR THIS SITE. SEE ADVANTEX INSTALLATION MANUAL AND THE LATEST GST LEACHING SYSTEMS RHODE ISLAND INSTALLATION AND OPERATION MANUAL FOR ADDITIONAL GUIDELINES FOR INSTALLATION.
 - INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE ORENCO ADVANTEX INSTALLATION MANUAL AND OTHER APPLICABLE SECTIONS OF 250-RICR-150-6. THE INSTALLATION SHALL ONLY BE PERFORMED BY A RHODE ISLAND DEM LICENSED INSTALLER WHO HAS RECEIVED TRAINING AND IS AUTHORIZED IN WRITING BY THE VENDORS TO INSTALL THE SYSTEM. AUTHORIZATION FROM THE VENDORS SHALL BE SUBMITTED TO ENGINEER PRIOR TO ANY CONSTRUCTION.
 - REFER TO 250-RICR-150-10-6 AND RIDEM GUIDELINES FOR ADDITIONAL INFORMATION CONCERNING THE INSTALLATION, OPERATION AND MAINTENANCE OF THE SYSTEM. THE INSTALLER AND OWNER SHOULD REVIEW AND APPLY 250-RICR-150-10-6 AND RIDEM GUIDELINES. THE SYSTEM TO BE CONSTRUCTED BY AN INSTALLER LICENSED BY RIDEM AND THOROUGHLY FAMILIAR WITH THE INSTALLATION OF ADVANTEX TREATMENT DEVICES AND GST SYSTEMS.
 - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE DESIGN ENGINEER IN ORDER TO FACILITATE WITNESSING THE REQUIRED PHASES OF THE SYSTEM INSTALLATION AS STATED IN 250-RICR-150-6.47 OF THE "REGULATIONS". FAILURE OF THE CONTRACTOR TO NOTIFY THE DESIGN ENGINEER IN A TIMELY MANNER MAY REQUIRE THE CONTRACTOR TO EXCAVATE AND EXPOSE SYSTEM COMPONENTS FOR OBSERVATION.
 - THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE INSTALLATION AND MAINTENANCE OF THE SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO CONSTRUCT THE SYSTEM IN ACCORDANCE WITH THE ABOVE REFERENCED REGULATIONS.
 - CONTRACTOR SHALL CONTACT "DIG-SAFE" PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES ON THIS PLAN ARE FROM EXISTING INFORMATION, BUT ARE ONLY TO BE CONSIDERED APPROXIMATE.
 - THERE ARE NO PUBLIC WELLS, EXISTING OR PROPOSED, FOUND TO BE LOCATED WITHIN 500 FEET OF THE PROPOSED OWTS EXCEPT AS SHOWN.
 - NO FRESHWATER WETLANDS OBSERVED WITHIN 200 FEET OF THE PROPOSED OWTS. THIS SITE DOES NOT LIE WITHIN A CRITICAL RESOURCE AREA.
 - I CERTIFY THAT THERE ARE NO WELLS FOUND TO BE LOCATED WITHIN 200 FEET OF THE PROPOSED LEACHING AREA, OTHER THAN AS SHOWN ON THIS PLAN. I ALSO CERTIFY THAT THERE ARE NO EXISTING OR PROPOSED DRAINS, FOUNDATION DRAINS OR SUB DRAINS FOUND TO BE LOCATED WITHIN 25 FEET OF THIS PROPOSED OWTS.
 - ALL PIPE JOINTS, PIPE CONNECTIONS AND ACCESS COVERS ARE TO BE WATERTIGHT.
 - PRESSURE PIPE SHALL BE INSTALLED TO MAINTAIN SLOPE BACK TO TANK/PUMP CHAMBER TO DRAIN BETWEEN PUMPING CYCLES. ELIMINATE ANY HIGH OR LOW POINTS THAT MAY PREVENT DRAINING AND/OR AIR POCKETS.
 - CONTRACTOR TO PAY ANY REQUIRED INSTALLATION FEES.
 - CONTROL PANEL AND ALARM TO BE MOUNTED INSIDE BUILDING IN A CONSPICUOUS LOCATION, EXACT LOCATION TO BE COORDINATED WITH OWNER. ALL CONTROL PANELS AND JUNCTION BOXES SHALL BE NEMA 4X.
 - THE PUMP DOSING CONTROLS WILL BE FIELD TESTED IN THE PRESENCE OF THE DESIGN ENGINEER AND ORENCO REPRESENTATIVE. ADJUSTMENT TO CONTROLS ARE THE CONTRACTORS RESPONSIBILITY. CONTRACTOR MUST MAKE WATER AVAILABLE FOR TESTING OF THE CONTROL FLOWS.
 - ALL TREES AND SHRUBS SHALL BE CLEAR AND NO NEW ONES SHALL BE PLANTED WITHIN 10' OF THE GRAVEL SAND TREATMENT (GST) SYSTEM.
 - THE GRAVEL SAND TREATMENT (GST) SYSTEM LOCATION SHOWN AND PROTECTED PRIOR TO ANY SITE PREPARATION ACTIVITIES.
 - NO IMPERVIOUS SURFACE IS TO BE PLACED ABOVE THE GRAVEL SAND TREATMENT (GST) SYSTEM.
 - MATERIAL AND EQUIPMENT FROM ALTERNATE MANUFACTURERS MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE MATERIAL AND/OR EQUIPMENT IS REQUIRED FROM THE OWNER AND ENGINEER. FULL SPECIFICATIONS FOR ALTERNATE EQUIPMENT MUST BE PROVIDED BY THE CONTRACTOR. IF ACCEPTABLE, THE CONTRACTOR MUST PREPARE AND SUBMIT FOR AN RIDEM OWTS CONSTRUCTION PERMIT BASED UPON THE REDESIGN.

DESIGN DATA

DAILY SEWAGE FLOW:
50 GPD/CAMPSITE x 150 CAMPSITES = 7500 GALLONS PER DAY (G.P.D.)

GROUND WATER TABLE: 48"

DEPTH TO IMPERVIOUS: NOT ENCOUNTERED

SOIL CLASS: B, SOIL CATEGORY: 3, LOADING RATE: 0.70 GALS./S.F./DAY

SEPTIC TANK REQUIREMENTS VOLUME = 2 X 7,500 G.P.D. = 15,000 GALLONS

LEACHING AREA REQUIREMENTS:

GRAVEL SAND TREATMENT (GST) SYSTEM WITH CATEGORY 1 TREATMENT (ORENCO ADVANTEX TREATMENT AX100)

ASSIGNED EFFLUENT LOADING RATE = 3.5 GPD PER S.F.

SQUARE FOOTAGE OF GST REQUIRED = 7500 GPD / 3.5 GPD PER S.F. = 2,143 S.F.

LENGTH OF GST 6212 REQUIRED: 2,143 S.F. / 17.5 S.F. / L.F. = 123 L.F.

LENGTH OF GST 6212 SPECIFIED: 280 L.F.

TOTAL GST SYSTEM CAPACITY = 280 L.F. X 17.5 S.F. / L.F. X 3.5 GPD / S.F. = 17,150 GPD

17,150 GPD > 7,500 GPD - CAPACITY = 228% OF ANTICIPATED DESIGN FLOW

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

MILLS CAMP BATHHOUSE - SITE PLAN

Dwg: Scale: 1" = 20'

Contract No. x Date: OCTOBER 6, 2023

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TH-4A - GROUND ELEV: 72.1 - AUGUST 18, 2021										
		HORIZON	BOUNDARIES	SOIL	COLORS	RE-DOX				
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX FEATURES	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
Ap	0 - 9"	C	S	2.5YR 6/3			La	2gbd	Vfr	3
Bw	9" - 30"	C	S	10YR 5/6			La	2gbd	Fr	3
C	30" - 120"	C	S	2.5YR 7/3			La	2gbd	Fr	3

SOIL CLASS: B OBSERVED STANDING GROUNDWATER - NA
ESTIMATED SEASONAL HIGH WATER TABLE - 120" (ELEV: 62.1)

OBSERVED WEEPING GROUNDWATER - NA
PERFORMED BY: KAMAL HINGORANY

TH-4B - GROUND ELEV: 71.5 - AUGUST 18, 2021										
HORIZON	DEPTH	HORIZON	BOUNDARIES		SOIL	RE-DOX	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
			TOPO	MATRIX	RE-DOX FEATURES	Ab. S. CONTR.				
FILL	0 - 10"	C	S	--			--	--	--	--
P	10" - 28"	C	S	10YR 8/6			La	2gbd	Fr	3
Bw	28" - 48"	C	S	2.5YR 7/3			La	2gbd	Fr	3
C	48" - 120"	C	S	2.5YR 7/3	5YR 4/4	M M P	La	2gbd	Fr	3

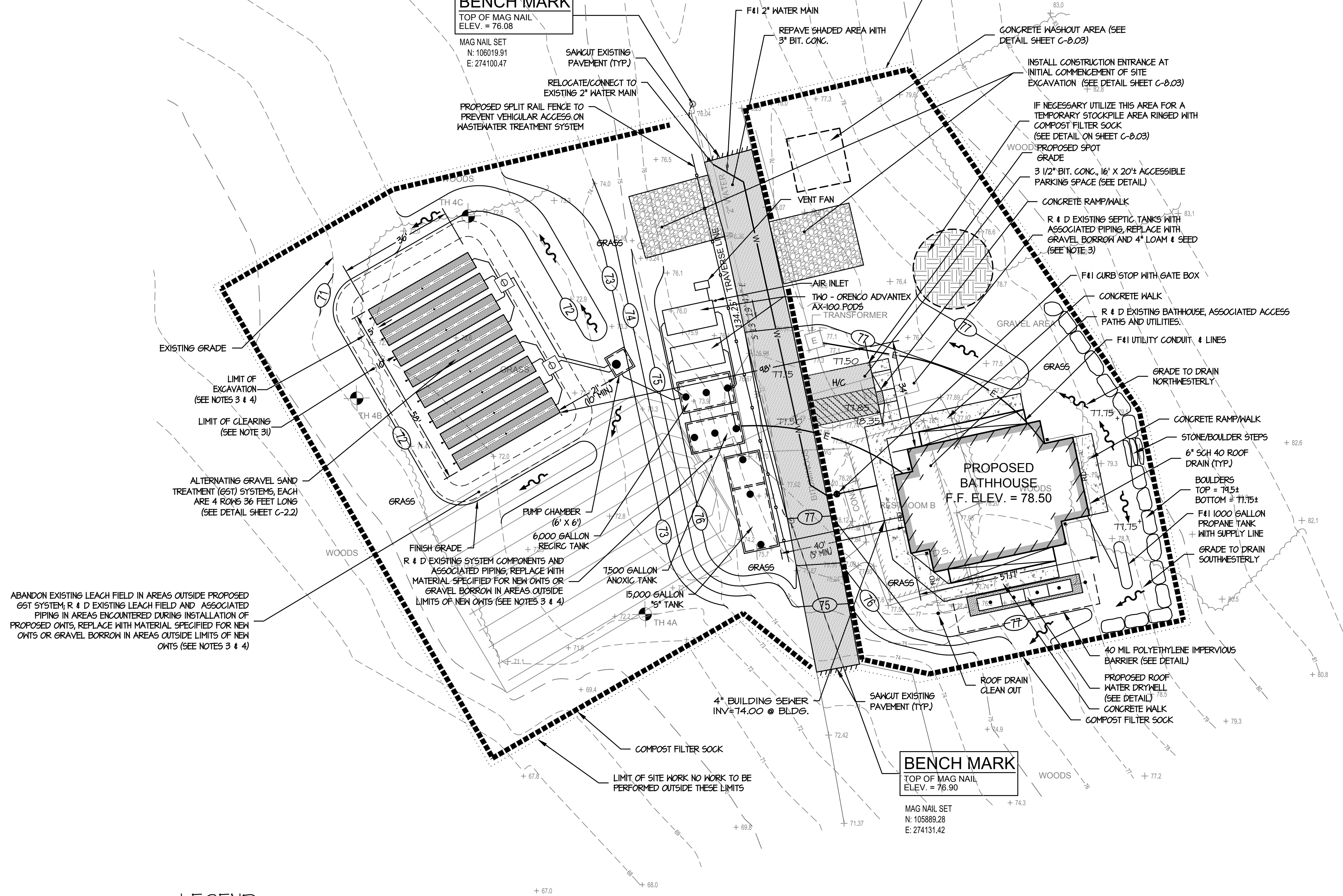
SOIL CLASS: B OBSERVED STANDING GROUNDWATER - NA
ESTIMATED SEASONAL HIGH WATER TABLE - 120" (ELEV: 61.5)

OBSERVED WEEPING GROUNDWATER - NA
PERFORMED BY: KAMAL HINGORANY

TH-4C - GROUND ELEV: 72.6 - AUGUST 18, 2021										
		HORIZON	BOUNDARIES	SOIL	COLORS	RE-DOX				
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX FEATURES	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
Ap	0 - 12"	C	S	2.5YR 6/3			La	2gbd	Vfr	3
Bw	12" - 40"	C	S	10YR 5/6			La	2gbd	Fr	3
C	40" - 120"	C	S	2.5YR 7/3			La	2gbd	Fr	3

SIL CLASS: B OBSERVED STANDING GROUNDWATER - NA
ESTIMATED SEASONAL HIGH WATER TABLE - 120" (ELEV: 62.6)

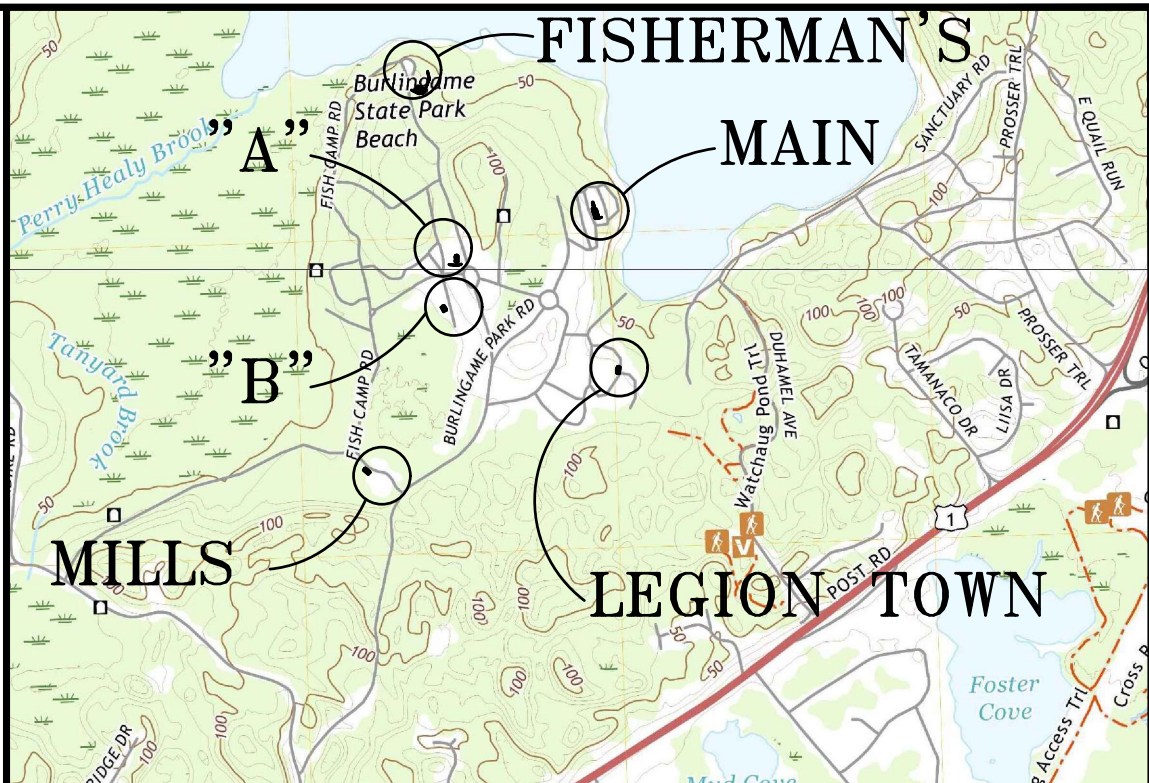
OBSERVED WEEPING GROUNDWATER - NA
PERFORMED BY: KAMAL HINGORANY



ABANDON EXISTING LEACH FIELD IN AREAS OUTSIDE PROPOSED
GST SYSTEM; R & D EXISTING LEACH FIELD AND ASSOCIATED
PIPING IN AREAS ENCOUNTERED DURING INSTALLATION OF
PROPOSED OWTS. REPLACE WITH MATERIAL SPECIFIED FOR NEW
OWTS OR GRAVEL BORROW IN AREAS OUTSIDE LIMITS OF NEW
OWTS (SEE NOTES 3 & 4)

LEGEND			
— 100 —	EXISTING CONTOUR	+ 100.00	FINISHED SPOT GRADE
— 100 —	PROPOSED CONTOUR	+ 100.00	EXISTING SPOT GRADE
RI. STD.	RHODE ISLAND STANDARD		SPLIT RAIL FENCE
INV.	INVERT OF PIPE		DEEP OBSERVATION HOLE
P. V. C.	POLYVINYL CHLORIDE PIPE		OUT CROP OR SURFACE ROCK
S. D. R.	STANDARD DIMENSION RATIO	— E —	EXIST. UNDERGROUND ELECTRIC
CONC.	CONCRETE	— W —	EXIST. WATER
BIT.	BITUMINOUS	— T —	EXIST. UNDERGROUND TELEPHONE
TYP.	TYPICAL	— S —	FINISH GRADE SURFACE FLOW DIRECTION

CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916



LOCUS MAP

NOTES:

- ALL WORK SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF WATER RESOURCES "RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ON-SITE WASTEWATER TREATMENT SYSTEMS", LATEST EDITION.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO CAPUTO AND WICK LTD. FOR APPROVAL OF ALL PROPOSED CONSTRUCTION MATERIALS AND EQUIPMENT PRIOR TO ANY CONSTRUCTION.
- EXISTING ON-SITE WASTEWATER TREATMENT SYSTEM (OWTS) PRECAST STRUCTURES ARE TO BE PUMPED OUT, RINSED WITH CLEAN WATER AND PUMPED OUT AGAIN. PUMPING MUST BE PERFORMED BY A STATE LICENSED SEPTIC HAULER AND THE CONTENTS OF THE TANK DISPOSED OF PROPERLY. AFTER PUMPING, THE EXISTING OWTS STRUCTURES MUST BE FILLED WITH FLOWABLE FILL OR REMOVED AND REPLACED WITH GRAVEL BORROW AND 4" LOAM & SEED.
- REMOVE ALL PORTIONS OF THE EXISTING OWTS WITHIN 5' OF THE GRAVEL SAND TREATMENT SYSTEM; AND ALL FILL, A HORIZON SOIL, B HORIZON SOIL AND SCARIFY 3" OF THE C HORIZON SOIL BELOW THE GRAVEL SAND TREATMENT SYSTEM AND THOUGHLY MIX WITH ASTM C-33 SAND (SEE NOTE 16) TO INTERFACE THE FILL WITH THE SOIL, AND REPLACE ALL REMOVED SOIL WITH ASTM C-33 SAND. A AND B SOIL HORIZON LAYERS ARE TO BE REMOVED IN THIS APPLICATION DUE TO COMPACTION CAUSED BY PREVIOUS SYSTEM INSTALLATION AND FILL BEING PLACED ABOVE.
- UNDESIRABLE MATERIAL USED TO BACKFILL THE TEST HOLES SHALL BE REMOVED AND REPLACED WITH WITH ASTM C-33 SAND (SEE NOTE 16).
- ASTM C-33 SAND (SEE NOTE 16) MUST BE PLACED ON SCARIFIED, RELATIVELY DRY NATURAL SOIL. THE CONTRACTOR SHALL PROVIDE FOR DEWATERING AS REQUIRED AND ALL WORK SHALL BE PERFORMED UNDER DRY CONDITIONS.
- BUILDING SEWER PIPE TO BE 4" P. V. C. SCH. 40 UNLESS OTHERWISE NOTED.
- PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER, ADVANTEX TREATMENT TANKS AND SYSTEM STRUCTURES.
- INLET AND OUTLET TEES FOR SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK AND PUMP CHAMBER ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
- SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK RISERS/COVERS TO BE AT FINISH GRADE.
- IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION. IF IN DOUBT, ASK.
- NEW SEPTIC TANK SHALL MEET ALL OF THE REQUIREMENTS OF 250-RICR-150-10-6.27.
- INSPECTION OF THE SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK SHALL BE PART OF THE MAINTENANCE SERVICE FOR THE OWTS AND ALL COMPONENTS SHALL BE CLEANED WHEN REQUIRED.
- IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
- MINIMUM PERIMETER INVERT ELEVATION = 70.25. NO FINISHED GRADE BELOW 70.25 FROM THE EDGE OF THE GRAVEL SAND TREATMENT SYSTEM FOR A 10 FEET MINIMUM.
- THE SAND MEDIA USED IN CONSTRUCTION SHALL MEET THE ASTM C-33 SPECIFICATIONS. SIEVE ANALYSIS FROM PROPOSED SOURCE IS REQUIRED TO BE SUBMITTED TOGETHER WITH SHOP DRAWINGS. TESTING OF SAND MATERIAL DELIVERED TO THE SITE IS REQUIRED.
- OWTS INSTALLER MUST BE FAMILIAR WITH ADVANTEX PRODUCTS AND GRAVEL SAND TREATMENT SYSTEMS PROPOSED FOR THIS SITE. SEE ADVANTEX INSTALLATION MANUAL, GRAVEL SAND TREATMENT SYSTEM DESIGN AND INSTALLATION MANUAL, AND RIDEM GUIDELINES FOR ADDITIONAL DETAILS OF INSTALLATION.
- INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE ORENCO ADVANTEX INSTALLATION MANUAL AND GRAVEL SAND TREATMENT SYSTEM INSTALLATION MANUAL AND ALL OTHER APPLICABLE SECTIONS OF 250-RICR150-6. THE INSTALLATION SHALL ONLY BE PERFORMED BY A RHODE ISLAND DEM LICENSED INSTALLER WHO HAS RECEIVED TRAINING AND IS AUTHORIZED IN WRITING BY THE VENDORS TO INSTALL THE SYSTEM. AUTHORIZATION FROM THE VENDORS SHALL BE SUBMITTED TO ENGINEER PRIOR TO ANY CONSTRUCTION.
- REFER TO 250-RICR-150-10-6 AND RIDEM GUIDELINES FOR ADDITIONAL INFORMATION CONCERNING THE INSTALLATION, OPERATION AND MAINTENANCE OF THE SYSTEM. THE INSTALLER AND OWNER SHOULD REVIEW AND APPLY 250-RICR-150-10-6 AND RIDEM GUIDELINES. THE SYSTEM TO BE CONSTRUCTED BY AN INSTALLER LICENSED BY RIDEM AND THOROUGHLY FAMILIAR WITH THE INSTALLATION OF ADVANTEX TREATMENT DEVICES AND GRAVEL SAND TREATMENT SYSTEMS.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE DESIGN ENGINEER IN ORDER TO FACILITATE WITNESSING THE REQUIRED PHASES OF THE SYSTEM INSTALLATION AS STATED IN 250-RICR-150-6.47 OF THE "REGULATIONS". FAILURE OF THE CONTRACTOR TO NOTIFY THE DESIGN ENGINEER IN A TIMELY MANNER MAY REQUIRE THE CONTRACTOR TO EXCAVATE AND EXPOSE SYSTEM COMPONENTS FOR OBSERVATION.
- THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE INSTALLATION AND MAINTENANCE OF THE SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO CONSTRUCT THE SYSTEM IN ACCORDANCE WITH THE ABOVE REFERENCED REGULATIONS.
- CONTRACTOR SHALL CONTACT "DIG-SAFE" PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES ON THIS PLAN ARE FROM EXISTING INFORMATION, BUT ARE ONLY TO BE CONSIDERED APPROXIMATE.
- THERE ARE NO PUBLIC WELLS. EXISTING OR PROPOSED, FOUND TO BE LOCATED WITHIN 500 FEET OF THE PROPOSED OWTS EXCEPT AS SHOWN.
- NO FRESHWATER WETLANDS OBSERVED WITHIN 200 FEET OF THE PROPOSED OWTS. THIS SITE DOES NOT LIE WITHIN A CRITICAL RESOURCE AREA.
- I CERTIFY THAT THERE ARE NO WELLS FOUND TO BE LOCATED WITHIN 200 FEET OF THE PROPOSED LEACHING AREA, OTHER THAN AS SHOWN ON THIS PLAN. I ALSO CERTIFY THAT THERE ARE NO EXISTING OR PROPOSED DRAINS, FOUNDATION DRAINS OR SUB DRAINS FOUND TO BE LOCATED WITHIN 25 FEET OF THIS PROPOSED OWTS.
- ALL PIPE JOINTS, PIPE CONNECTIONS AND ACCESS COVERS ARE TO BE WATER TIGHT.
- PRESSURE PIPE SHALL BE INSTALLED TO MAINTAIN SLOPE BACK TO TANK/PUMP CHAMBER TO DRAIN BETWEEN PUMPING CYCLES. ELIMINATE ANY HIGH OR LOW POINTS THAT MAY PREVENT DRAINING AND/OR AIR POCKETS.
- CONTRACTOR TO PAY ANY REQUIRED INSTALLATION FEES.
- CONTROL PANEL AND ALARM TO BE MOUNTED INSIDE BUILDING IN A CONSPICUOUS LOCATION, EXACT LOCATION TO BE COORDINATED WITH OWNER. ALL CONTROL PANELS AND JUNCTION BOXES SHALL BE NEMA 4X.
- THE PUMP DOSING CONTROLS WILL BE FIELD TESTED IN THE PRESENCE OF THE DESIGN ENGINEER AND ORENCO REPRESENTATIVE. ADJUSTMENT TO CONTROLS ARE THE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR MUST MAKE WATER AVAILABLE FOR TESTING OF THE CONTROL FLOATS.
- ALL TREES AND SHRUBS SHALL BE CLEAR AND NO NEW ONES SHALL BE PLANTED WITHIN 10' OF THE GRAVEL SAND TREATMENT SYSTEM.
- THE GRAVEL SAND TREATMENT SYSTEM LOCATION SHALL BE STAKED OUT AND PROTECTED PRIOR TO ANY SITE PREPARATION ACTIVITIES.
- NO IMPERVIOUS SURFACE IS TO BE PLACED ABOVE THE GST (LEACHING) SYSTEM.
- MATERIAL AND EQUIPMENT FROM ALTERNATE MANUFACTURERS MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE MATERIAL AND/OR EQUIPMENT IS REQUIRED FROM THE OWNER AND ENGINEER. FULL SPECIFICATIONS FOR ALTERNATE EQUIPMENT MUST BE PROVIDED BY THE CONTRACTOR. IF ACCEPTABLE, THE CONTRACTOR MUST PREPARE AND SUBMIT FOR AN RIDEM OWTS CONSTRUCTION PERMIT BASED UPON THE REDESIGN.

DESIGN DATA

DAILY SEWAGE FLOW:
50 GPD/CAMPSITE x 150 CAMPSITES = 7500 GALLONS PER DAY (G.P.D.)
GROUND WATER TABLE: 120"
DEPTH TO IMPERVIOUS: NOT ENCOUNTERED
SOIL CLASS: B, SOIL CATEGORY: 3, LOADING RATE: 0.70 GAL/S.F./DAY
SEPTIC TANK REQUIREMENTS VOLUME = 2 X 7,500 G.P.D. = 15,000 GALLONS
LEACHING AREA REQUIREMENTS:
GRAVEL SAND TREATMENT (GST) SYSTEM WITH CATEGORY 1 TREATMENT (ORENCO ADVANTEX TREATMENT AX100)
ASSIGNED EFFLUENT LOADING RATE = 3.5 GPD PER S. F.
SQUARE FOOTAGE OF GST REQUIRED = 7500 GPD / 3.5 GPD PER S.F. = 2,143 S.F.
LENGTH OF GST 6212 REQUIRED = 2,143 S.F./17.5 S.F./L.F. = 123 L.F.
LENGTH OF GST 6212 SPECIFIED: 288 L.F.
TOTAL GST SYSTEM CAPACITY = 288 L.F. X 17.5 S.F./L.F. X 3.5 G.P.D./S.F. = 17,640 GPD
17,640 GPD > 7,500 GPD - CAPACITY = 235% OF ANTICIPATED DESIGN FLOW

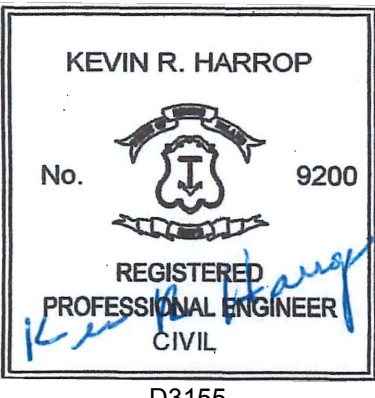
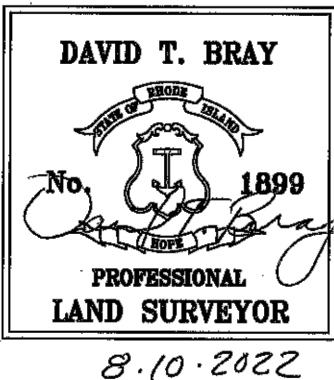
CERTIFICATION:

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 8 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF BOUNDARY SURVEY: LIMITED CONTENT BOUNDARY SURVEY
MEASUREMENT SPECIFICATION: NOT A BOUNDARY SURVEY
OTHER TYPE OF SURVEY: DATA ACCUMULATION SURVEY (LOCATIONS)
CLASS II
TOPOGRAPHIC SURVEY ACCURACY: T2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWTS)

THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ON-SITE WASTEWATER TREATMENT SYSTEM.

DAVID T. BRAY PLS NO. 1999
CAPUTO AND WICK LTD., COA NO. A177
DATE: 8/10/2022



STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

BATHHOUSE "B" - SITE PLAN

Dwg: Scale: 1" = 20'

Contract No. x Date: OCTOBER 6, 2023

C-1.2
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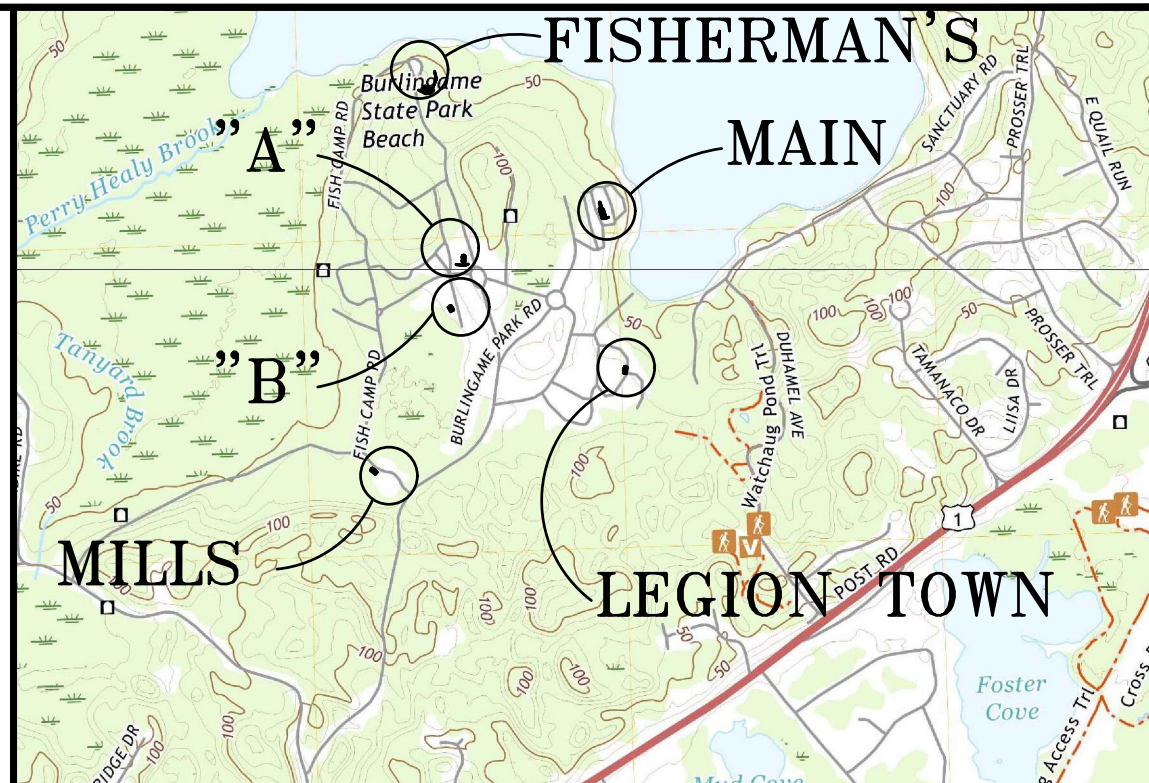
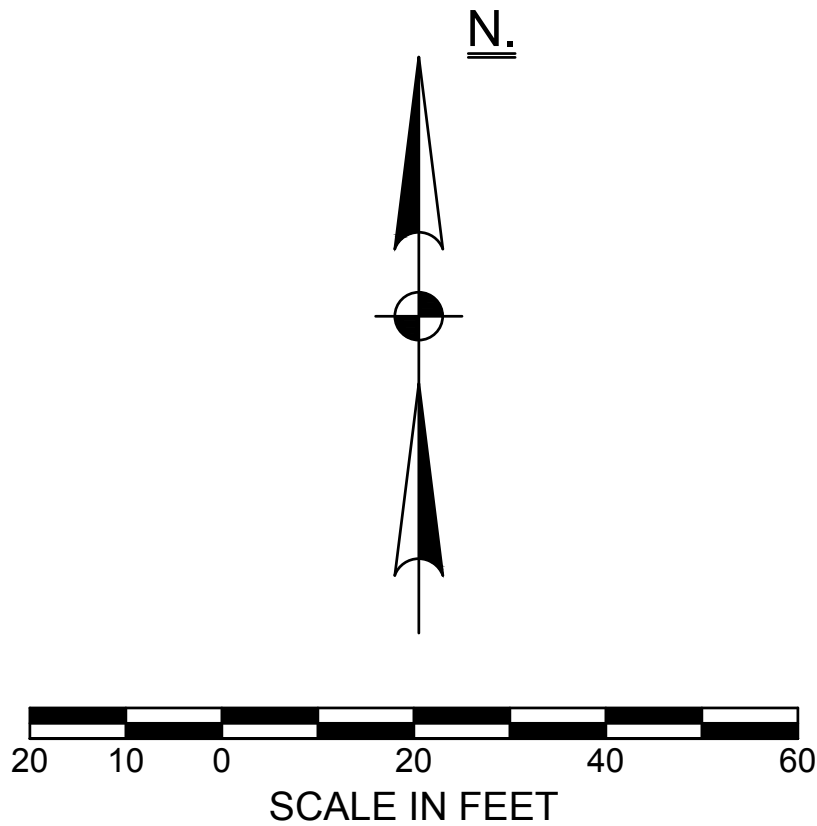
J:\RhodeIsland\Charlestown\RDDEM - Burlingame\009 - 025 - and S-6 Site Design.dwg

TH-3A - GROUND ELEV: 89.3 - AUGUST 17, 2021										
		HORIZON	BOUNDARIES	SOIL	COLORS	RE-DOX				
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX FEATURES	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
Ap	0 - 7"	C	S	2.5YR 6/3			La	2gbd	Vfr	3
Bw	7" - 36"	C	W	10YR 5/6			La	2gbd	Fr	3
C	36" - 120"	C	S	2.5YR 7/3			La	2gbd	Fr	3

SOIL CLASS: B
OBSERVED STANDING GROUNDWATER - NA
ESTIMATED SEASONAL HIGH WATER TABLE - 120" (ELEV: 79.3)

TH-3B - GROUND ELEV: 82.7 - AUGUST 17, 2021										
		HORIZON	BOUNDARIES	SOIL	COLORS	RE-DOX				
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX FEATURES	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
Ap	0 - 6"	C	S	2.5YR 6/3			La	2gbd	Vfr	3
Bw	7" - 24"	C	W	10YR 5/6			La	2gbd	Fr	3
C1	24" - 28"	C	S	2.5YR 7/3			La	2gbd	Fr	3
C2	28" - 120"	-	-	2.5YR 7/3	5YR 4/4	M M P	La	2gbd	Fr	3

SOIL CLASS: B
OBSERVED STANDING GROUNDWATER - NA
ESTIMATED SEASONAL HIGH WATER TABLE - 24" (ELEV: 80.7)



LOCUS MAP

NOTES:

- ALL WORK SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF WATER RESOURCES "RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS", LATEST EDITION.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO CAPUTO AND WICK LTD. FOR APPROVAL OF ALL PROPOSED CONSTRUCTION MATERIALS AND EQUIPMENT PRIOR TO ANY CONSTRUCTION.
- EXISTING ONSITE WASTEWATER TREATMENT SYSTEM (OWTS) PRECAST STRUCTURES ARE TO BE PUMPED OUT, RINSED WITH CLEAN WATER AND PUMPED OUT AGAIN. PUMPING MUST BE PERFORMED BY A STATE LICENSED SEPTIC HAULER AND THE CONTENTS OF THE TANK DISPOSED OF PROPERLY. AFTER PUMPING, THE EXISTING OWTS STRUCTURES MUST BE FILLED WITH FLOWABLE FILL OR REMOVED AND REPLACED WITH GRAVEL BORROW AND 4" LOAM AND SEED.
- REMOVE ALL PORTIONS OF THE EXISTING OWTS WITHIN 5' OF THE GRAVEL SAND TREATMENT SYSTEM; AND ALL FILL, A HORIZON SOIL, B HORIZON SOIL AND SCARIFY 3" OF THE C HORIZON SOIL BELOW THE GRAVEL SAND TREATMENT SYSTEM AND THOUGHLY MIX WITH ASTM C-33 SAND (SEE NOTE 16) TO INTERFACE THE FILL WITH THE SOIL, AND REPLACE ALL REMOVED SOIL WITH ASTM C-33 SAND. A AND B SOIL HORIZON LAYERS ARE TO BE REMOVED IN THIS APPLICATION DUE TO COMPACTION CAUSED BY PREVIOUS SYSTEM INSTALLATION AND FILL BEING PLACED ABOVE.
- UNSATURABLE MATERIAL USED TO BACKFILL THE TEST HOLES SHALL BE REMOVED AND REPLACED WITH WITH ASTM C-33 SAND (SEE NOTE 16).
- ASTM C-33 SAND (SEE NOTE 16) MUST BE PLACED ON SCARIFIED, RELATIVELY DRY NATURAL SOIL. THE CONTRACTOR SHALL PROVIDE FOR DEWATERING AS REQUIRED AND ALL WORK SHALL BE PERFORMED UNDER DRY CONDITIONS.
- BUILDING SEWER PIPE TO BE 4" P. V. C. SCH. 40 UNLESS OTHERWISE NOTED.
- PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER, ADVANTEX TREATMENT TANKS AND SYSTEM STRUCTURES.
- INLET AND OUTLET TEES FOR SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK AND PUMP CHAMBER ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
- SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK RISERS/COVERS TO BE AT FINISH GRADE.
- IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION. IF IN DOUBT, ASK.
- NEW SEPTIC TANK SHALL MEET ALL OF THE REQUIREMENTS OF 250-RICR-150-10-6-27.
- INSPECTION OF THE SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK SHALL BE PART OF THE MAINTENANCE SERVICE FOR THE OWTS AND ALL COMPONENTS SHALL BE CLEANED WHEN REQUIRED.
- IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
- MINIMUM PERIMETER INVERT ELEVATION = 88.50. NO FINISHED GRADE BELOW 88.50 FROM THE EDGE OF THE GRAVEL SAND TREATMENT SYSTEM FOR A 10 FEET MINIMUM.
- THE SAND MEDIA USED IN CONSTRUCTION SHALL MEET THE ASTM C-33 SPECIFICATIONS. SIEVE ANALYSIS FROM PROPOSED SOURCE IS REQUIRED TO BE SUBMITTED TOGETHER WITH SHOP DRAWINGS. TESTING OF SAND MATERIAL DELIVERED TO THE SITE IS REQUIRED.
- OWTS INSTALLER MUST BE FAMILIAR WITH ADVANTEX PRODUCTS AND GRAVEL SAND TREATMENT SYSTEMS PROPOSED FOR THIS SITE. SEE ADVANTEX INSTALLATION MANUAL, GRAVEL SAND TREATMENT SYSTEM DESIGN AND INSTALLATION MANUAL, AND RIDEM GUIDELINES FOR ADDITIONAL DETAILS OF INSTALLATION.
- INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE ORENCO ADVANTEX INSTALLATION MANUAL AND GRAVEL SAND TREATMENT SYSTEM INSTALLATION MANUAL AND ALL OTHER APPLICABLE SECTIONS OF 250-RICR150-6. THE INSTALLATION SHALL ONLY BE PERFORMED BY A RHODE ISLAND DEM LICENSED INSTALLER WHO HAS RECEIVED TRAINING AND IS AUTHORIZED IN WRITING BY THE VENDORS TO INSTALL THE SYSTEM. AUTHORIZATION FROM THE VENDORS SHALL BE SUBMITTED TO ENGINEER PRIOR TO ANY CONSTRUCTION.
- REFER TO 250-RICR-150-10-6 AND RIDEM GUIDELINES FOR ADDITIONAL INFORMATION CONCERNING THE INSTALLATION, OPERATION AND MAINTENANCE OF THE SYSTEM. THE INSTALLER AND OWNER SHOULD REVIEW AND APPLY 250-RICR-150-10-6 AND RIDEM GUIDELINES. THE SYSTEM TO BE CONSTRUCTED BY A INSTALLER LICENSED BY RIDEM AND THOROUGHLY FAMILIAR WITH THE INSTALLATION OF ADVANTEX TREATMENT DEVICES AND GRAVEL SAND TREATMENT SYSTEMS.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE DESIGN ENGINEER IN ORDER TO FACILITATE WITNESSING THE REQUIRED PHASES OF THE SYSTEM INSTALLATION AS STATED IN 250-RICR-150-47 OF THE "REGULATIONS". FAILURE OF THE CONTRACTOR TO NOTIFY THE DESIGN ENGINEER IN A TIMELY MANNER MAY REQUIRE THE CONTRACTOR TO EXCAVATE AND EXPOSE SYSTEM COMPONENTS FOR OBSERVATION.
- THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE INSTALLATION AND MAINTENANCE OF THE SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO CONSTRUCT THE SYSTEM IN ACCORDANCE WITH THE ABOVE REFERENCED REGULATIONS.
- CONTRACTOR SHALL CONTACT "DIG-SAFE" PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES ON THIS PLAN ARE FROM EXISTING INFORMATION, BUT ARE ONLY TO BE CONSIDERED APPROXIMATE.
- THERE ARE NO PUBLIC WELLS, EXISTING OR PROPOSED, FOUND TO BE LOCATED WITHIN 500 FEET OF THE PROPOSED OWTS EXCEPT AS SHOWN.
- NO FRESHWATER WETLANDS OBSERVED WITHIN 200 FEET OF THE PROPOSED OWTS. THIS SITE DOES NOT LIE WITHIN A CRITICAL RESOURCE AREA.
- I CERTIFY THAT THERE ARE NO WELLS FOUND TO BE LOCATED WITHIN 200 FEET OF THE PROPOSED LEACHING AREA, OTHER THAN AS SHOWN ON THIS PLAN. I ALSO CERTIFY THAT THERE ARE NO EXISTING OR PROPOSED DRAINS, FOUNDATION DRAINS OR SUB DRAINS FOUND TO BE LOCATED WITHIN 25 FEET OF THIS PROPOSED OWTS.
- ALL PIPE JOINTS, PIPE CONNECTIONS AND ACCESS COVERS ARE TO WATER TIGHT.
- PRESSURE PIPE SHALL BE INSTALLED TO MAINTAIN SLOPE BACK TO TANK/PUMP CHAMBER TO DRAIN BETWEEN PUMPING CYCLES. ELIMINATE ANY HIGH OR LOW POINTS THAT MAY PREVENT DRAINING AND/OR AIR POCKETS.
- CONTRACTOR TO PAY ANY REQUIRED INSTALLATION FEES.
- CONTROL PANEL AND ALARM TO BE MOUNTED INSIDE BUILDING IN A CONSPICUOUS LOCATION, EXACT LOCATION TO BE COORDINATED WITH OWNER. ALL CONTROL PANELS AND JUNCTION BOXES SHALL BE NEMA 4X.
- THE PUMP DOSING CONTROLS WILL BE FIELD TESTED IN THE PRESENCE OF THE DESIGN ENGINEER AND ORENCO REPRESENTATIVE. ADJUSTMENT TO CONTROLS ARE THE CONTRACTORS RESPONSIBILITY. CONTRACTOR MUST MAKE WATER AVAILABLE FOR TESTING OF THE CONTROL FLOATS.
- ALL TREES AND SHRUBS SHALL BE CLEAR AND NO NEW ONES SHALL BE PLANTED WITHIN 10' OF THE GRAVEL SAND TREATMENT SYSTEM.
- THE GRAVEL SAND TREATMENT SYSTEM LOCATION SHALL BE STAKED OUT AND PROTECTED PRIOR TO ANY SITE PREPARATION ACTIVITIES.
- NO IMPERVIOUS SURFACE IS TO BE PLACED ABOVE THE GST (LEACHING) SYSTEM.
- MATERIAL AND EQUIPMENT FROM ALTERNATE MANUFACTURERS MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE MATERIAL AND/OR EQUIPMENT IS REQUIRED FROM THE OWNER AND ENGINEER. FULL SPECIFICATIONS FOR ALTERNATE EQUIPMENT MUST BE PROVIDED BY THE CONTRACTOR. IF ACCEPTABLE, THE CONTRACTOR MUST PREPARE AND SUBMIT FOR AN RIDEM OWTS CONSTRUCTION PERMIT BASED UPON THE REDESIGN.

DESIGN DATA

DAILY SEWAGE FLOW:
50 GPD/CAMPSITE x 150 CAMPSITES = 7500 GALLONS PER DAY (G.P.D.)
GROUND WATER TABLE: 120"
DEPTH TO IMPERVIOUS: NOT ENCOUNTERED
SOIL CLASS: B, SOIL CATEGORY: 3, LOADING RATE: 0.70 GAL/S.F./DAY
SEPTIC TANK REQUIREMENTS VOLUME = 2 X 7,500 G.P.D. = 15,000 GALLONS
LEACHING AREA REQUIREMENTS:
GRAVEL SAND TREATMENT (GST) SYSTEM WITH CATEGORY 1 TREATMENT
(ORENCO ADVANTEX TREATMENT AX100)
ASSIGNED EFFLUENT LOADING RATE = 3.5 GPD PER S. F.
SQUARE FOOTAGE OF GST REQUIRED = 7500 GPD / 3.5 GPD PER S.F. = 2,143 S.F.
LENGTH OF GST 6212 REQUIRED = 2,143 S.F. / 17.5 S.F./L.F. = 123 L.F.
LENGTH OF GST 6212 SPECIFIED: 280 L.F.
TOTAL GST SYSTEM CAPACITY = 280 L.F. X 17.5 S.F./L.F. X 3.5 G.P.D./S.F. = 17,150 GPD
17,150 GPD > 7,500 GPD - CAPACITY = 229% OF ANTICIPATED DESIGN FLOW

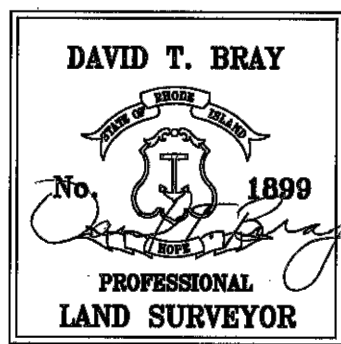
CERTIFICATION:

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 8 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

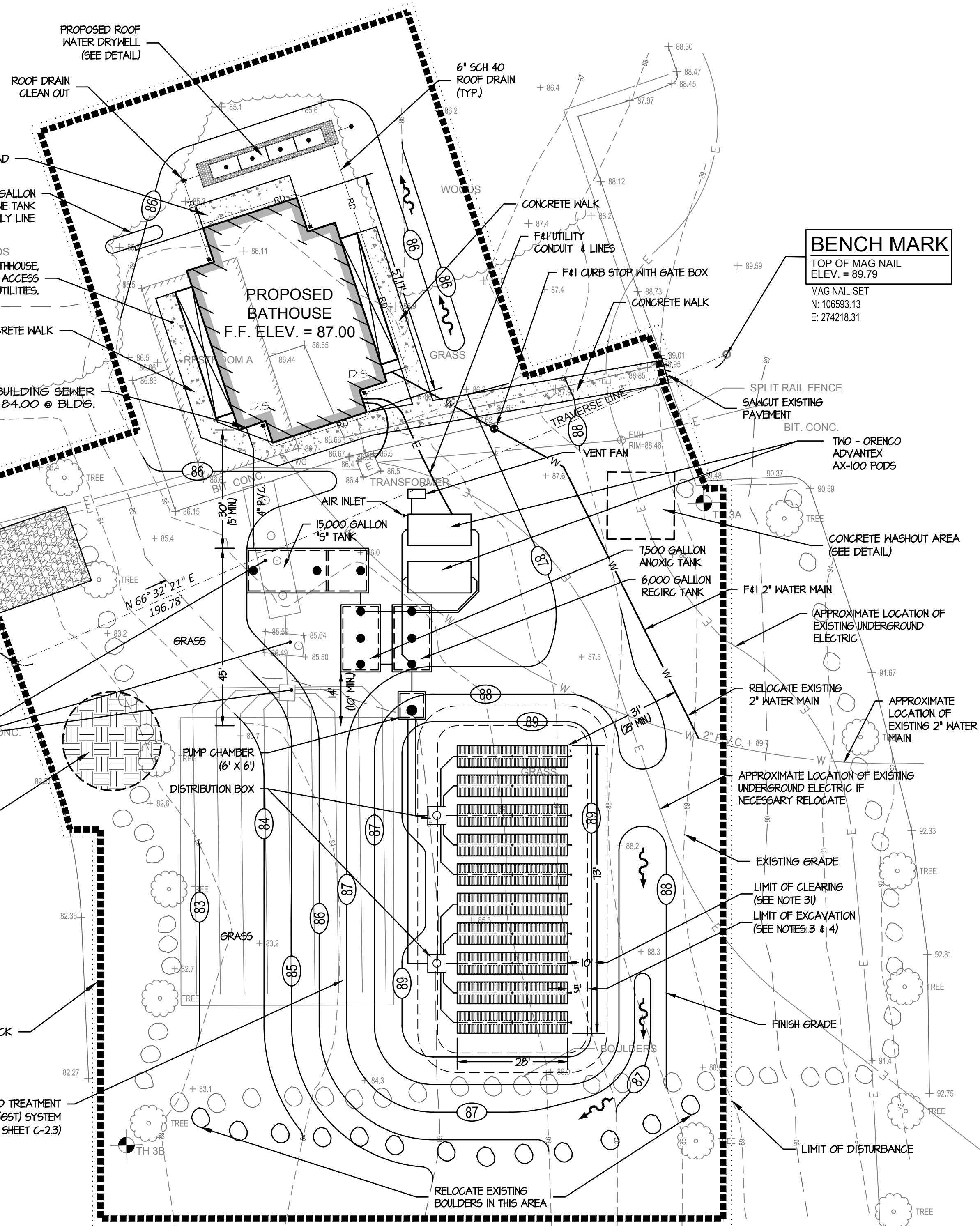
TYPE OF BOUNDARY SURVEY: LIMITED CONTENT BOUNDARY SURVEY
OTHER TYPE OF SURVEY: DATA ACCUMULATION SURVEY (LOCATIONS)
TOPOGRAPHIC SURVEY ACCURACY: CLASS II
T2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWTS)

THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ONSITE WASTEWATER TREATMENT SYSTEM.

DAVID T. BRAY PLS NO. 1999
CAPUTO AND WICK LTD., COA NO. A177



LEGEND			
100	EXISTING CONTOUR	+ 100.00	FINISHED SPOT GRADE
100.00	PROPOSED CONTOUR	+ 100.00	EXISTING SPOT GRADE
RI, STD.	RHODE ISLAND STANDARD		SPLIT RAIL FENCE
INV.	INVERT OF PIPE		DEEP OBSERVATION HOLE
P. V. C.	POLYVINYL CHLORIDE PIPE		OUT CROP OR SURFACE ROCK
S. D. R.	STANDARD DIMENSION RATIO		EXIST. UNDERGROUND ELECTRIC
CONC.	CONCRETE		EXIST. WATER
BIT.	BITUMINOUS		EXIST. UNDERGROUND TELEPHONE
TYP.	TYPICAL		FINISH GRADE SURFACE FLOW DIRECTION



SCALE IN FEET

CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

BATHHOUSE "A" - SITE PLAN

Dwg: Scale: 1" = 20'

Contract No. x Date: OCTOBER 6, 2023

C-1.3
11 OF 106

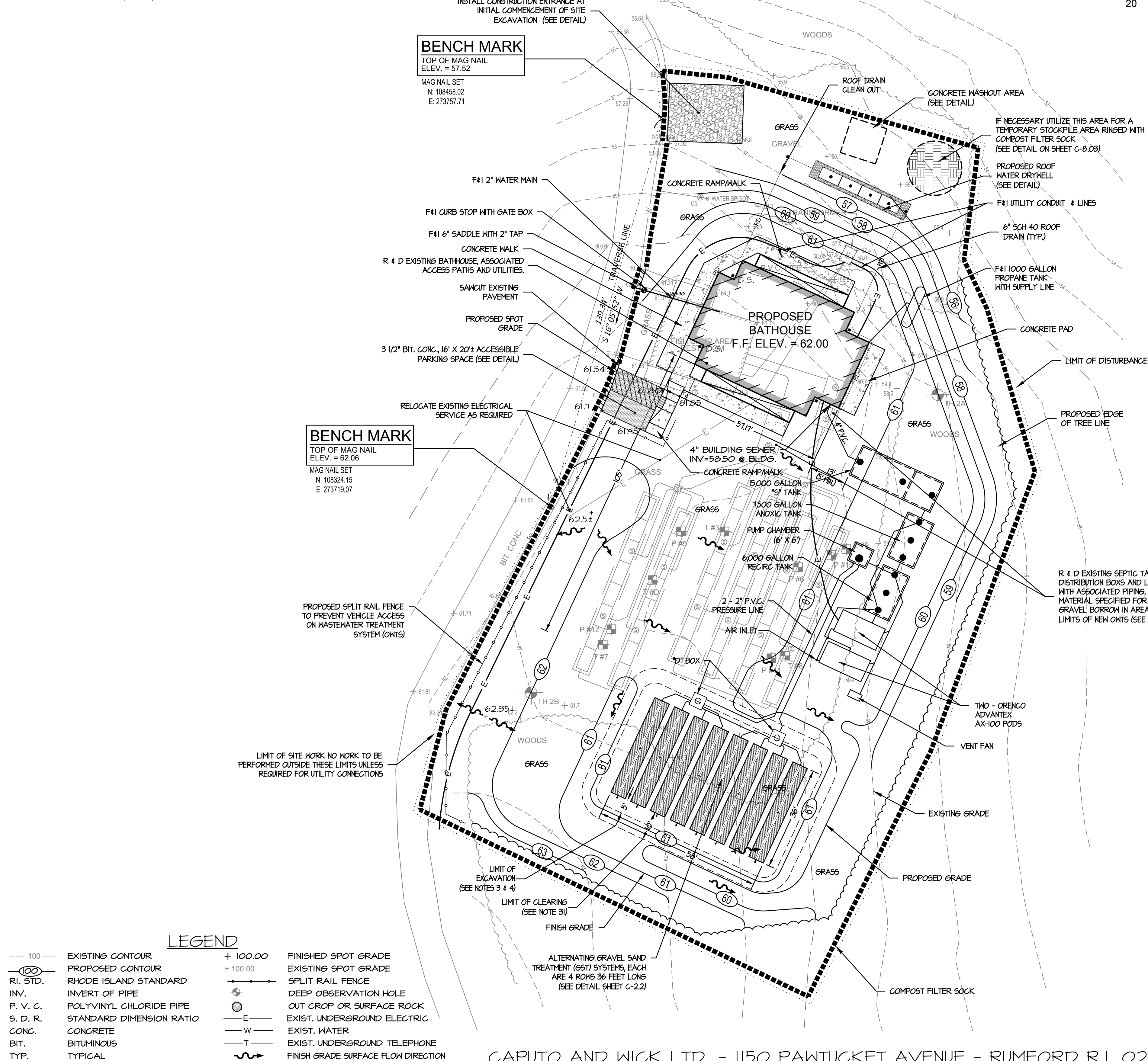
OCTOBER 6, 2023

TH-2A - GROUND ELEV: 58.0 - AUGUST 17, 2021									
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX FEATURES	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE
Ap	0 - 5"	C	S	2.5YR 6/3			La	2gbd	Vfr
Bw	5" - 29"	C	S	10YR 5/6			La	2gbd	Fr
C1	29" - 120"	C	S	2.5YR 7/3			La	2gbd	Fr

SOIL CLASS: B OBSERVED STANDING GROUNDWATER - NA
ESTIMATED SEASONAL HIGH WATER TABLE - 120" (ELEV: 48.0)

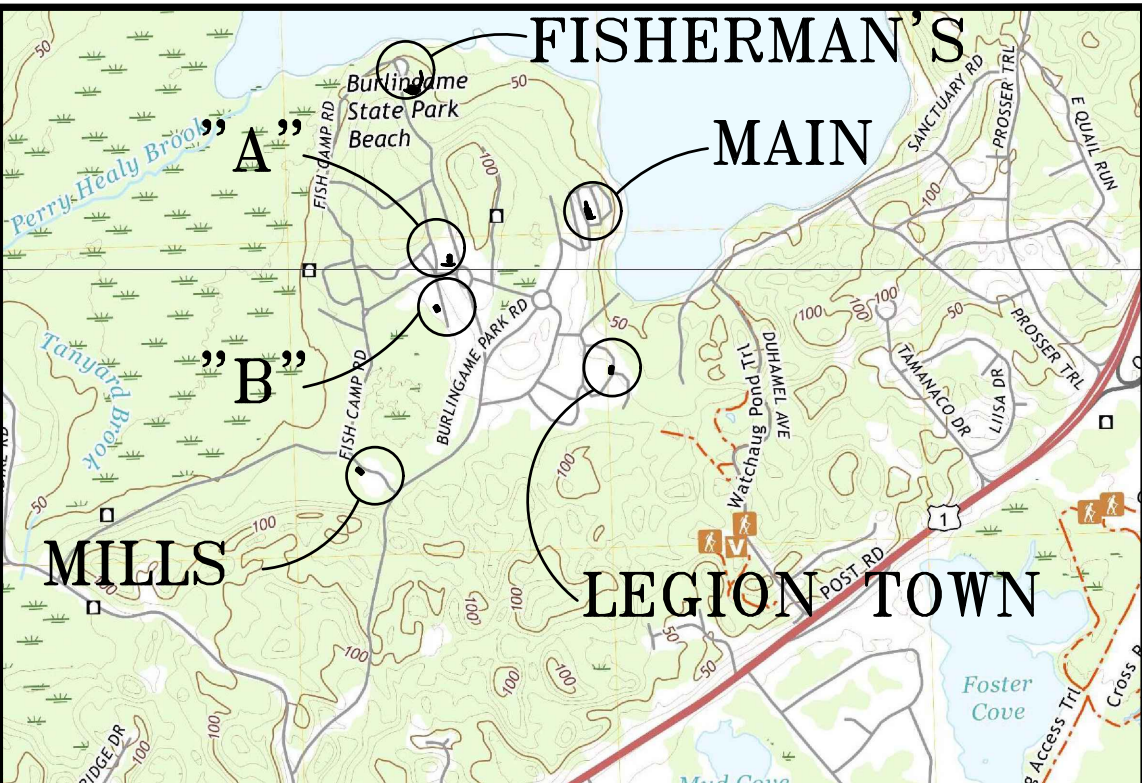
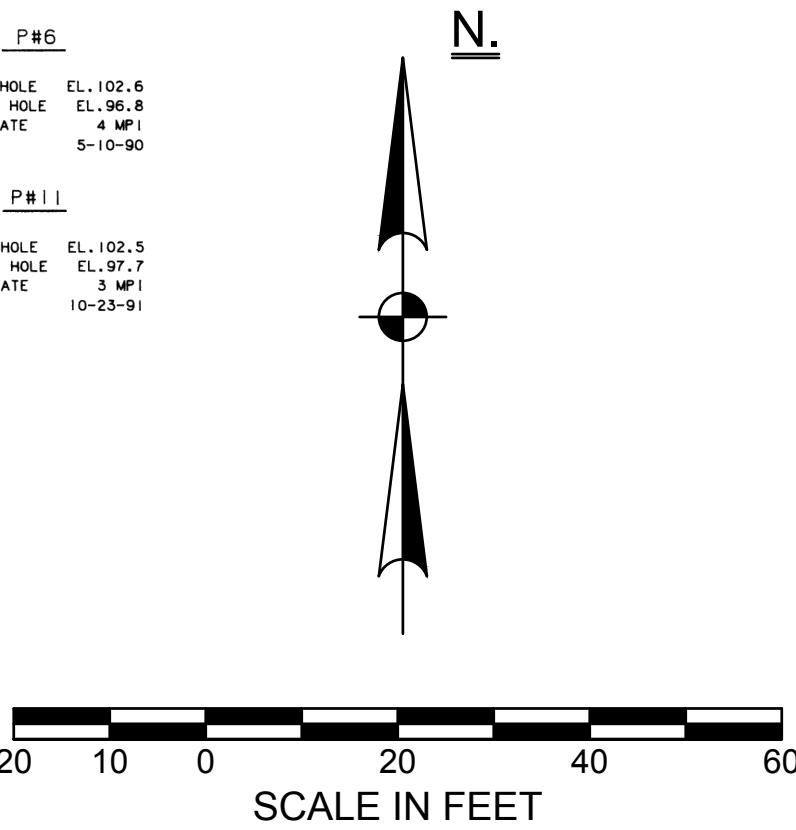
TH-2B - GROUND ELEV: 62.0 - AUGUST 17, 2021									
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX FEATURES	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE
Ap	0 - 8"	C	S	2.5YR 6/3			La	2gbd	Vfr
Bw	8" - 28"	C	S	10YR 5/6			La	2gbd	Fr
C1	28" - 120"	C	S	2.5YR 7/3			La	2gbd	Fr

SOIL CLASS: B OBSERVED STANDING GROUNDWATER - NA
ESTIMATED SEASONAL HIGH WATER TABLE - 120" (ELEV: 52.0)



LEGEND	
— 100 —	EXISTING CONTOUR
— 100 —	PROPOSED CONTOUR
RI. STD.	RHODE ISLAND STANDARD
INV.	INVERT OF PIPE
P. V. C.	POLYVINYL CHLORIDE PIPE
S. D. R.	STANDARD DIMENSION RATIO
CONC.	CONCRETE
BIT.	BITUMINOUS
TYP.	TYPICAL
+ 100.00	FINISHED SPOT GRADE
+ 100.00	EXISTING SPOT GRADE
—	SPLIT RAIL FENCE
—	DEEP OBSERVATION HOLE
—	OUT CROP OR SURFACE ROCK
— E —	EXIST. UNDERGROUND ELECTRIC
— W —	EXIST. WATER
— T —	EXIST. UNDERGROUND TELEPHONE
—	FINISH GRADE SURFACE FLOW DIRECTION

CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916



LOCUS MAP

- NOTES:**
- ALL WORK SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF WATER RESOURCES "RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS", LATEST EDITION.
 - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO CAPUTO AND WICK LTD. FOR APPROVAL OF ALL PROPOSED CONSTRUCTION MATERIALS AND EQUIPMENT PRIOR TO ANY CONSTRUCTION.
 - EXISTING ONSITE WASTEWATER TREATMENT SYSTEM (OWTS) PRECAST STRUCTURES ARE TO BE PUMPED OUT, RINSED WITH CLEAN WATER AND PUMPED OUT AGAIN. PUMPING MUST BE PERFORMED BY A STATE LICENSED SEPTIC HAULER AND THE CONTENTS OF THE TANK DISPOSED OF PROPERLY. AFTER PUMPING, THE EXISTING OWTS STRUCTURES MUST BE FILLED WITH FLOWABLE FILL OR REMOVED AND REPLACED WITH GRAVEL BORROW AND 4" LOAM AND SEED.
 - REMOVE ALL PORTIONS OF THE EXISTING OWTS WITHIN 5' OF THE GRAVEL SAND TREATMENT SYSTEM; AND ALL FILL, A HORIZON SOIL, B HORIZON SOIL AND SCARIFY 3" OF THE C HORIZON SOIL BELOW THE GRAVEL SAND TREATMENT SYSTEM AND THOUGHLY MIX WITH ASTM C-33 SAND (SEE NOTE 16) TO INTERFACE THE FILL WITH THE SOIL, AND REPLACE ALL REMOVED SOIL WITH ASTM C-33 SAND. A AND B SOIL HORIZON LAYERS ARE TO BE REMOVED IN THIS APPLICATION DUE TO COMPACTION CAUSED BY PREVIOUS SYSTEM INSTALLATION AND FILL BEING PLACED ABOVE.
 - UNUSABLE MATERIAL USED TO BACKFILL THE TEST HOLES SHALL BE REMOVED AND REPLACED WITH WITH ASTM C-33 SAND (SEE NOTE 16).
 - ASTM C-33 SAND (SEE NOTE 16) MUST BE PLACED ON SCARIFIED, RELATIVELY DRY NATURAL SOIL. THE CONTRACTOR SHALL PROVIDE FOR DEWATERING AS REQUIRED AND ALL WORK SHALL BE PERFORMED UNDER DRY CONDITIONS.
 - BUILDING SEWER PIPE TO BE 4" P. V. C. SCH. 40 UNLESS OTHERWISE NOTED.
 - PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER, ADVANTEX TREATMENT TANKS AND SYSTEM STRUCTURES.
 - INLET AND OUTLET TEES FOR SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK AND PUMP CHAMBER ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
 - SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK RISERS/COVERS TO BE AT FINISH GRADE.
 - IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION, IF IN DOUBT, ASK.
 - NEW SEPTIC TANK SHALL MEET ALL OF THE REQUIREMENTS OF 250-RICR-150-10-6.27.
 - INSPECTION OF THE SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK SHALL BE PART OF THE MAINTENANCE SERVICE FOR THE OWTS AND ALL COMPONENTS SHALL BE CLEANED WHEN REQUIRED.
 - IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
 - MINIMUM PERIMETER INVERT ELEVATION = 59.50 NO FINISHED GRADE BELOW 59.50 FROM THE EDGE OF THE GRAVEL SAND TREATMENT SYSTEM FOR A 10 FEET MINIMUM.
 - THE SAND MEDIA USED IN CONSTRUCTION SHALL MEET THE ASTM C-33 SPECIFICATIONS. SIEVE ANALYSIS FROM PROPOSED SOURCE IS REQUIRED TO BE SUBMITTED TOGETHER WITH SHOP DRAWINGS. TESTING OF SAND MATERIAL DELIVERED TO THE SITE IS REQUIRED.
 - OWTS INSTALLER MUST BE FAMILIAR WITH ADVANTEX PRODUCTS AND GRAVEL SAND TREATMENT SYSTEMS PROPOSED FOR THIS SITE. SEE ADVANTEX INSTALLATION MANUAL, GRAVEL SAND TREATMENT SYSTEM DESIGN AND INSTALLATION MANUAL, AND RIDEM GUIDELINES FOR ADDITIONAL DETAILS OF INSTALLATION.
 - INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE ORENCO ADVANTEX INSTALLATION MANUAL AND GRAVEL SAND TREATMENT SYSTEM INSTALLATION MANUAL AND ALL OTHER APPLICABLE SECTIONS OF 250-RICR150-6. THE INSTALLATION SHALL ONLY BE PERFORMED BY A RHODE ISLAND DEM LICENSED INSTALLER WHO HAS RECEIVED TRAINING AND IS AUTHORIZED IN WRITING BY THE VENDORS TO INSTALL THE SYSTEM. AUTHORIZATION FROM THE VENDORS SHALL BE SUBMITTED TO ENGINEER PRIOR TO ANY CONSTRUCTION.
 - REFER TO 250-RICR-150-10-6 AND RIDEM GUIDELINES FOR ADDITIONAL INFORMATION CONCERNING THE INSTALLATION, OPERATION AND MAINTENANCE OF THE SYSTEM. THE INSTALLER AND OWNER SHOULD REVIEW AND APPLY 250-RICR-150-10-6 AND RIDEM GUIDELINES. THE SYSTEM TO BE CONSTRUCTED BY AN INSTALLER LICENSED BY RIDEM AND THOROUGHLY FAMILIAR WITH THE INSTALLATION OF ADVANTEX TREATMENT DEVICES AND GRAVEL SAND TREATMENT SYSTEMS.
 - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE DESIGN ENGINEER IN ORDER TO FACILITATE WITNESSING THE REQUIRED PHASES OF THE SYSTEM INSTALLATION AS STATED IN 250-RICR-150-6.47 OF THE "REGULATIONS". FAILURE OF THE CONTRACTOR TO NOTIFY THE DESIGN ENGINEER IN A TIMELY MANNER MAY REQUIRE THE CONTRACTOR TO EXCAVATE AND EXPOSE SYSTEM COMPONENTS FOR OBSERVATION.
 - THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE INSTALLATION AND MAINTENANCE OF THE SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO CONSTRUCT THE SYSTEM IN ACCORDANCE WITH THE ABOVE REFERENCED REGULATIONS.
 - CONTRACTOR SHALL CONTACT "DIG-SAFE" PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES ON THIS PLAN ARE FROM EXISTING INFORMATION, BUT ARE ONLY TO BE CONSIDERED APPROXIMATE.
 - THERE ARE NO PUBLIC WELLS, EXISTING OR PROPOSED, FOUND TO BE LOCATED WITHIN 500 FEET OF THE PROPOSED OWTS EXCEPT AS SHOWN.
 - NO FRESHWATER WETLANDS OBSERVED WITHIN 200 FEET OF THE PROPOSED OWTS. THIS SITE DOES NOT LIE WITHIN A CRITICAL RESOURCE AREA.
 - I CERTIFY THAT THERE ARE NO WELLS FOUND TO BE LOCATED WITHIN 200 FEET OF THE PROPOSED LEACHING AREA, OTHER THAN AS SHOWN ON THIS PLAN. I ALSO CERTIFY THAT THERE ARE NO EXISTING OR PROPOSED DRAINS, FOUNDATION DRAINS OR SUB DRAINS FOUND TO BE LOCATED WITHIN 25 FEET OF THIS PROPOSED OWTS.
 - ALL PIPE JOINTS, PIPE CONNECTIONS AND ACCESS COVERS ARE TO BE WATER TIGHT.
 - PRESSURE PIPE SHALL BE INSTALLED TO MAINTAIN SLOPE BACK TO TANK/PUMP CHAMBER TO DRAIN BETWEEN PUMPING CYCLES. ELIMINATE ANY HIGH OR LOW POINTS THAT MAY PREVENT DRAINING AND/OR AIR LOCKS.
 - CONTRACTOR TO PAY ANY REQUIRED INSTALLATION FEES.
 - CONTROL PANEL AND ALARM TO BE MOUNTED INSIDE BUILDING IN A CONSPICUOUS LOCATION, EXACT LOCATION TO BE COORDINATED WITH OWNER. ALL CONTROL PANELS AND JUNCTION BOXES SHALL BE NEMA 4X.
 - THE PUMP DOING CONTROLS WILL BE FIELD TESTED IN THE PRESENCE OF THE DESIGN ENGINEER AND ORENCO REPRESENTATIVE. ADJUSTMENT TO CONTROLS ARE THE CONTRACTORS RESPONSIBILITY. CONTRACTOR MUST MAKE WATER AVAILABLE FOR TESTING OF THE CONTROL FLOATS.
 - ALL TREES AND SHRUBS SHALL BE CLEAR AND NO NEW ONES SHALL BE PLANTED WITHIN 10' OF THE GRAVEL SAND TREATMENT SYSTEM.
 - THE GRAVEL SAND TREATMENT SYSTEM LOCATION SHALL BE STAKED OUT AND PROTECTED PRIOR TO ANY SITE PREPARATION ACTIVITIES.
 - NO IMPERVIOUS SURFACE IS TO BE PLACED ABOVE THE GST (LEACHING) SYSTEM.
 - MATERIAL AND EQUIPMENT FROM ALTERNATE MANUFACTURERS MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE MATERIAL AND/OR EQUIPMENT IS REQUIRED FROM THE OWNER AND ENGINEER. FULL SPECIFICATIONS FOR ALTERNATE EQUIPMENT MUST BE PROVIDED BY THE CONTRACTOR. IF ACCEPTABLE, THE CONTRACTOR MUST PREPARE AND SUBMIT FOR AN RIDEM OWTS CONSTRUCTION PERMIT BASED UPON THE REDESIGN.

DESIGN DATA

DAILY SEWAGE FLOW:
50 GPD/CAMPSITE x 150 CAMPSITES = 7500 GALLONS PER DAY (G.P.D.)
GROUND WATER TABLE: 120"
DEPTH TO IMPERVIOUS: NOT ENCOUNTERED
SOIL CLASS: B, SOIL CATEGORY: 3, LOADING RATE: 0.70 GAL/S.F./DAY
SEPTIC TANK REQUIREMENTS VOLUME = 2 X 7,500 G.P.D. = 15,000 GALLONS
LEACHING AREA REQUIREMENTS:
GRAVEL SAND TREATMENT (GST) SYSTEM WITH CATEGORY 1 TREATMENT (ORENCO ADVANTEX TREATMENT AX100)
ASSIGNED EFFLUENT LOADING RATE = 3.5 GPD PER S. F.
SQUARE FOOTAGE OF GST REQUIRED = 7500 GPD / 3.5 GPD PER S.F. = 2,143 S.F.
LENGTH OF GST 6212 REQUIRED = 2,143 S.F. / 17.5 S.F./L.F. = 123 L.F.
LENGTH OF GST 6212 SPECIFIED: 288 L.F.
TOTAL GST SYSTEM CAPACITY = 288 L.F. X 17.5 S.F./L.F. X 3.5 G.P.D./S.F. = 17,640 GPD
17,640 GPD > 7,500 GPD - CAPACITY = 235% OF ANTICIPATED DESIGN FLOW

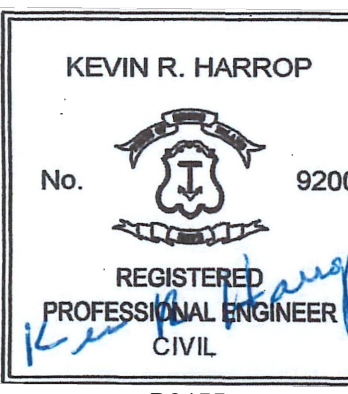
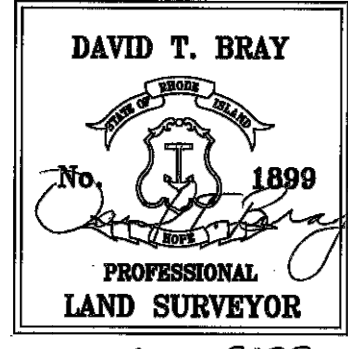
CERTIFICATION:

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 8 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF BOUNDARY SURVEY:	MEASUREMENT SPECIFICATION:
LIMITED CONTENT BOUNDARY SURVEY	NOT A BOUNDARY SURVEY
OTHER TYPE OF SURVEY:	
DATA ACCUMULATION SURVEY (LOCATIONS)	CLASS III
TOPOGRAPHIC SURVEY ACCURACY	T-2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWTS)

THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ONSITE WASTEWATER TREATMENT SYSTEM.

DAVID T. BRAY PLS NO. 1989
CAPUTO AND WICK LTD., COA NO. A177
DATE: 8/10/2022



STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

FISH CAMP BATHHOUSE - SITE PLAN

Dwg: _____ Scale: 1" = 20'

Contract No. x _____ Date: OCTOBER 6, 2023

C-1.4
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TH-5A - GROUND ELEV: 69.2 - AUGUST 18, 2021									
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE
Ap	0 - 10"	C	S	2.5YR 6/3			La	2gbd	Vfr
Bw	10" - 30"	C	S	10YR 5/6			La	2gbd	Fr
Bw2	30" - 32"	C	S	2.5YR 7/3	5YR 4/4	M M P	La	2gbd	Fr
C	32" - 120"	C	S	2.5YR 7/3			La	2gbd	Fr

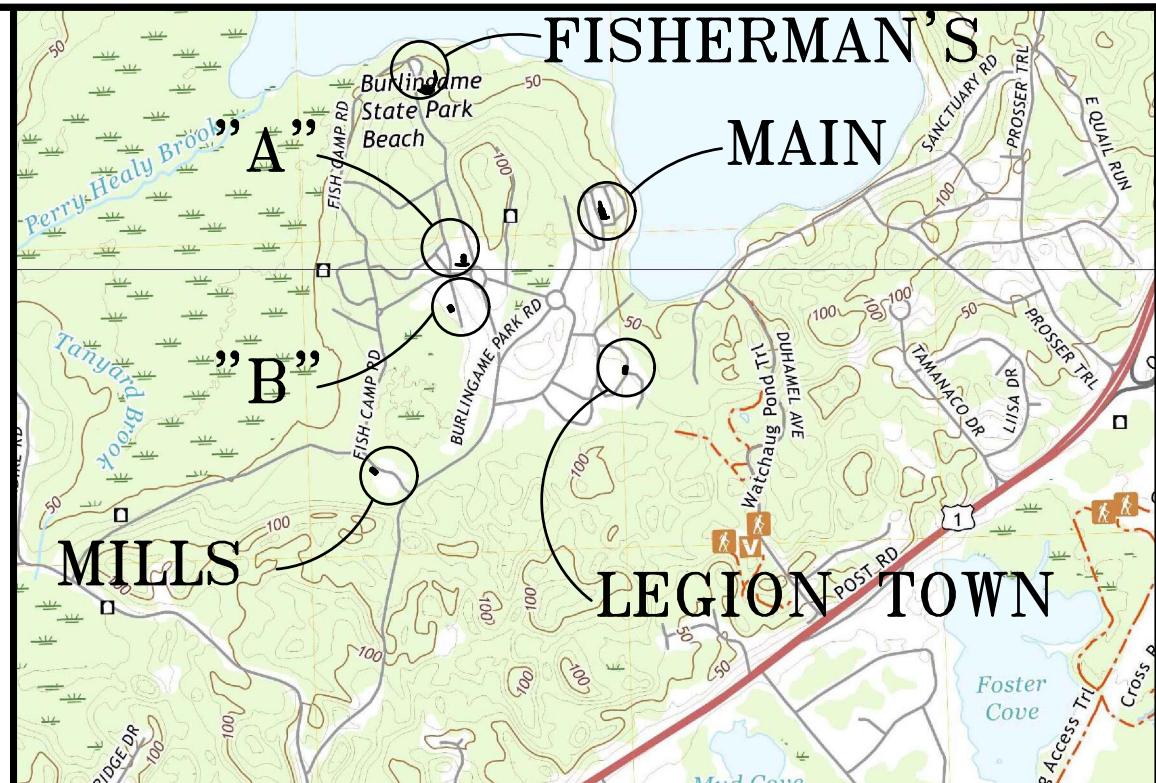
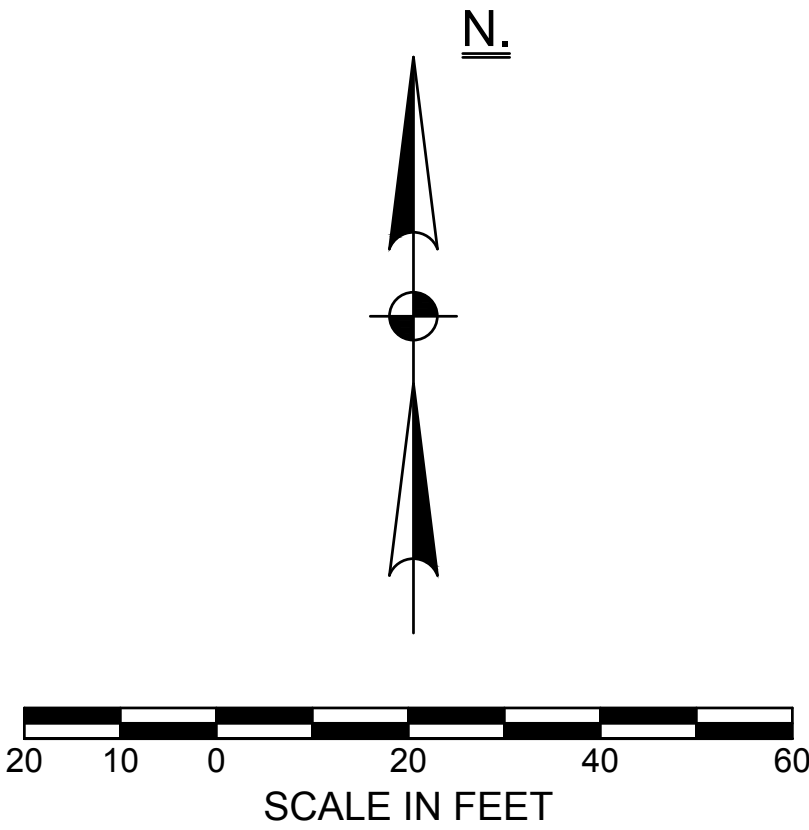
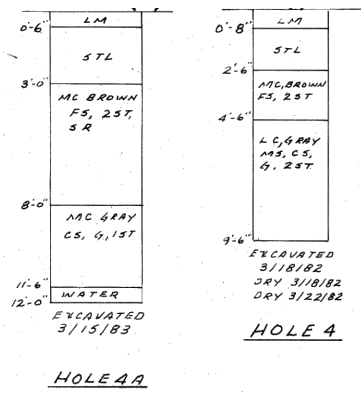
SOIL CLASS: B OBSERVED STANDING GROUNDWATER - NA
ESTIMATED SEASONAL HIGH WATER TABLE - 30" (ELEV: 66.7)

OBSERVED WEEPING GROUNDWATER - NA
PERFORMED BY: KAMAL HINCORARY

TH-5B - GROUND ELEV: 60.4 - AUGUST 18, 2021									
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE
Ap	0 - 8"	C	S	2.5YR 6/3			La	2gbd	Vfr
Bw	8" - 30"	C	S	10YR 5/6			La	2gbd	Fr
C	30" - 120"	C	S	2.5YR 7/3	5YR 4/4	M M P	La	2gbd	Fr

SOIL CLASS: B OBSERVED STANDING GROUNDWATER - NA
ESTIMATED SEASONAL HIGH WATER TABLE - 30" (ELEV: 57.9)

OBSERVED WEEPING GROUNDWATER - NA
PERFORMED BY: KAMAL HINCORARY



LOCUS MAP

NOTES:

- ALL WORK SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF WATER RESOURCES "RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS", LATEST EDITION.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO CAPUTO AND WICK LTD. FOR APPROVAL OF ALL PROPOSED CONSTRUCTION MATERIALS AND EQUIPMENT PRIOR TO ANY CONSTRUCTION.
- EXISTING ONSITE WASTEWATER TREATMENT SYSTEM (OWTS) PRECAST STRUCTURES ARE TO BE PUMPED OUT, RINSED WITH CLEAN WATER AND PUMPED OUT AGAIN. PUMPING MUST BE PERFORMED BY A STATE LICENSED SEPTIC HAULER AND THE CONTENTS OF THE TANK DISPOSED OF PROPERLY. AFTER PUMPING, THE EXISTING OWTS STRUCTURES MUST BE FILLED WITH FLOWABLE FILL OR REMOVED AND REPLACED WITH GRAVEL BORROW AND 4" LOAM AND SEED.
- REMOVE ALL PORTIONS OF THE EXISTING OWTS WITHIN 5' OF THE GRAVEL SAND TREATMENT SYSTEM; AND ALL FILL, A HORIZON SOIL, B HORIZON SOIL AND SCARIFY 3" OF THE C HORIZON SOIL BELOW THE GRAVEL SAND TREATMENT SYSTEM AND THOUGHLY MIX WITH ASTM C-33 SAND (SEE NOTE 16) TO INTERFACE THE FILL WITH THE SOIL, AND REPLACE ALL REMOVED SOIL WITH ASTM C-33 SAND. A AND B SOIL HORIZON LAYERS ARE TO BE REMOVED IN THIS APPLICATION DUE TO COMPACTION CAUSED BY PREVIOUS SYSTEM INSTALLATION AND FILL BEING PLACED ABOVE.
- UNSATURABLE MATERIAL USED TO BACKFILL THE TEST HOLES SHALL BE REMOVED AND REPLACED WITH WITH ASTM C-33 SAND (SEE NOTE 16).
- ASTM C-33 SAND (SEE NOTE 16) MUST BE PLACED ON SCARIFIED, RELATIVELY DRY NATURAL SOIL. THE CONTRACTOR SHALL PROVIDE FOR DEWATERING AS REQUIRED AND ALL WORK SHALL BE PERFORMED UNDER DRY CONDITIONS.
- BUILDING SEWER PIPE TO BE 4" P. V. C. SCH. 40 UNLESS OTHERWISE NOTED.
- PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER, ADVANTEX TREATMENT TANKS AND SYSTEM STRUCTURES.
- INLET AND OUTLET TEES FOR SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK AND PUMP CHAMBER ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
- SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK RISERS/COVERS TO BE AT FINISH GRADE.
- IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION. IF IN DOUBT, ASK.
- NEW SEPTIC TANK SHALL MEET ALL OF THE REQUIREMENTS OF 250-RICR-150-10-6.27.
- INSPECTION OF THE SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK SHALL BE PART OF THE MAINTENANCE SERVICE FOR THE OWTS AND ALL COMPONENTS SHALL BE CLEANED WHEN REQUIRED.
- IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
- MINIMUM PERIMETER INVERT ELEVATION = 70.25. NO FINISHED GRADE BELOW 70.25 FROM THE EDGE OF THE GRAVEL SAND TREATMENT SYSTEM FOR A 10 FEET MINIMUM.
- THE SAND MEDIA USED IN CONSTRUCTION SHALL MEET THE ASTM C-33 SPECIFICATIONS. SIEVE ANALYSIS FROM PROPOSED SOURCE IS REQUIRED TO BE SUBMITTED TOGETHER WITH SHOP DRAWINGS. TESTING OF SAND MATERIAL DELIVERED TO THE SITE IS REQUIRED.
- OWTS INSTALLER MUST BE FAMILIAR WITH ADVANTEX PRODUCTS AND GRAVEL SAND TREATMENT SYSTEMS PROPOSED FOR THIS SITE. SEE ADVANTEX INSTALLATION MANUAL, GRAVEL SAND TREATMENT SYSTEM DESIGN AND INSTALLATION MANUAL, AND RIDEM GUIDELINES FOR ADDITIONAL DETAILS OF INSTALLATION.
- INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE ORENCO ADVANTEX INSTALLATION MANUAL AND GRAVEL SAND TREATMENT SYSTEM INSTALLATION MANUAL AND ALL OTHER APPLICABLE SECTIONS OF 250-RICR-150-6. THE INSTALLATION SHALL ONLY BE PERFORMED BY A RHODE ISLAND DEM LICENSED INSTALLER WHO HAS RECEIVED TRAINING AND IS AUTHORIZED IN WRITING BY THE VENDORS TO INSTALL THE SYSTEM. AUTHORIZATION FROM THE VENDORS SHALL BE SUBMITTED TO ENGINEER PRIOR TO ANY CONSTRUCTION.
- REFER TO 250-RICR-150-10-6 AND RIDEM GUIDELINES FOR ADDITIONAL INFORMATION CONCERNING THE INSTALLATION, OPERATION AND MAINTENANCE OF THE SYSTEM. THE INSTALLER AND OWNER SHOULD REVIEW AND APPLY 250-RICR-150-10-6 AND RIDEM GUIDELINES. THE SYSTEM TO BE CONSTRUCTED BY A INSTALLER LICENSED BY RIDEM AND THOROUGHLY FAMILIAR WITH THE INSTALLATION OF ADVANTEX TREATMENT DEVICES AND GRAVEL SAND TREATMENT SYSTEMS.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE DESIGN ENGINEER IN ORDER TO FACILITATE WITNESSING THE REQUIRED PHASES OF THE SYSTEM INSTALLATION AS STATED IN 250-RICR-150-4.7 OF THE "REGULATIONS". FAILURE OF THE CONTRACTOR TO NOTIFY THE DESIGN ENGINEER IN A TIMELY MANNER MAY REQUIRE THE CONTRACTOR TO EXCAVATE AND EXPOSE SYSTEM COMPONENTS FOR OBSERVATION.
- THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE INSTALLATION AND MAINTENANCE OF THE SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO CONSTRUCT THE SYSTEM IN ACCORDANCE WITH THE ABOVE REFERENCED REGULATIONS.
- CONTRACTOR SHALL CONTACT "DIG-SAFE" PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES ON THIS PLAN ARE FROM EXISTING INFORMATION, BUT ARE ONLY TO BE CONSIDERED APPROXIMATE.
- THERE ARE NO PUBLIC WELLS, EXISTING OR PROPOSED, FOUND TO BE LOCATED WITHIN 500 FEET OF THE PROPOSED OWTS EXCEPT AS SHOWN.
- NO FRESHWATER WETLANDS OBSERVED WITHIN 200 FEET OF THE PROPOSED OWTS. THIS SITE DOES NOT LIE WITHIN A CRITICAL RESOURCE AREA.
- I CERTIFY THAT THERE ARE NO WELLS FOUND TO BE LOCATED WITHIN 200 FEET OF THE PROPOSED LEACHING AREA, OTHER THAN AS SHOWN ON THIS PLAN. I ALSO CERTIFY THAT THERE ARE NO EXISTING OR PROPOSED DRAINS, FOUNDATION DRAINS OR SUB DRAINS FOUND TO BE LOCATED WITHIN 25 FEET OF THIS PROPOSED OWTS.
- ALL PIPE JOINTS, PIPE CONNECTIONS AND ACCESS COVERS ARE TO BE WATER TIGHT.
- PRESSURE PIPE SHALL BE INSTALLED TO MAINTAIN SLOPE BACK TO TANK/PUMP CHAMBER TO DRAIN BETWEEN PUMPING CYCLES. ELIMINATE ANY HIGH OR LOW POINTS THAT MAY PREVENT DRAINING AND/OR AIR POCKETS.
- CONTRACTOR TO PAY ANY REQUIRED INSTALLATION FEES.
- CONTROL PANEL AND ALARM TO BE MOUNTED INSIDE BUILDING IN A CONSPICUOUS LOCATION, EXACT LOCATION TO BE COORDINATED WITH OWNER. ALL CONTROL PANELS AND JUNCTION BOXES SHALL BE NEMA 4X.
- THE PUMP DOSING CONTROLS WILL BE FIELD TESTED IN THE PRESENCE OF THE DESIGN ENGINEER AND ORENCO REPRESENTATIVE. ADJUSTMENT TO CONTROLS ARE THE CONTRACTORS RESPONSIBILITY. CONTRACTOR MUST MAKE WATER AVAILABLE FOR TESTING OF THE CONTROL FLOATS.
- ALL TREES AND SHRUBS SHALL BE CLEAR AND NO NEW ONES SHALL BE PLANTED WITHIN 10' OF THE GRAVEL SAND TREATMENT SYSTEM.
- THE GRAVEL SAND TREATMENT SYSTEM LOCATION SHALL BE STAKED OUT AND PROTECTED PRIOR TO ANY SITE PREPARATION ACTIVITIES.
- NO IMPERVIOUS SURFACE IS TO BE PLACED ABOVE THE GST (LEACHING) SYSTEM.
- MATERIAL AND EQUIPMENT FROM ALTERNATE MANUFACTURERS MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE MATERIAL AND/OR EQUIPMENT IS REQUIRED FROM THE OWNER AND ENGINEER. FULL SPECIFICATIONS FOR ALTERNATE EQUIPMENT MUST BE PROVIDED BY THE CONTRACTOR. IF ACCEPTABLE, THE CONTRACTOR MUST PREPARE AND SUBMIT FOR AN RIDEM OWTS CONSTRUCTION PERMIT BASED UPON THE REDESIGN.

DESIGN DATA

DAILY SEWAGE FLOW:
50 GPD/CAMPSITE x 150 CAMPSITES = 7500 GALLONS PER DAY (G.P.D.)
GROUND WATER TABLE: 120"
DEPTH TO IMPERVIOUS: NOT ENCOUNTERED
SOIL CLASS: B, SOIL CATEGORY: 3, LOADING RATE: 0.70 GAL/S.F./DAY
SEPTIC TANK REQUIREMENTS VOLUME = 2 X 7,500 G.P.D. = 15,000 GALLONS
LEACHING AREA REQUIREMENTS:
GRAVEL SAND TREATMENT (GST) SYSTEM WITH CATEGORY 1 TREATMENT
(ORENCO ADVANTEX TREATMENT AX100)
ASSIGNED EFFLUENT LOADING RATE = 3.5 GPD PER S. F.
SQUARE FOOTAGE OF GST REQUIRED = 7500 GPD / 3.5 GPD PER S.F. = 2,143 S.F.
LENGTH OF GST 6212 REQUIRED = 2,143 S.F. / 17.5 S.F./L.F. = 123 L.F.
LENGTH OF GST 6212 SPECIFIED: 280 L.F.
TOTAL GST SYSTEM CAPACITY = 280 L.F. X 17.5 S.F./L.F. X 3.5 G.P.D./S.F. = 17,150 GPD
17,150 GPD > 7,500 GPD - CAPACITY = 229% OF ANTICIPATED DESIGN FLOW

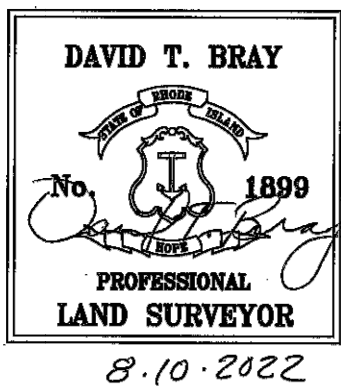
CERTIFICATION:

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 8 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF BOUNDARY SURVEY: LIMITED CONTENT BOUNDARY SURVEY
OTHER TYPE OF SURVEY: DATA ACCUMULATION SURVEY (LOCATIONS)
TOPOGRAPHIC SURVEY ACCURACY: CLASS III
T-2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWTS)

THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ONSITE WASTEWATER TREATMENT SYSTEM.

DAVID T. BRAY PLS NO. 1989
CAPUTO AND WICK LTD., COA NO. A177
8/10/2022
DATE



LEGEND			
100	EXISTING CONTOUR	+ 100.00	FINISHED SPOT GRADE
100	PROPOSED CONTOUR	+ 100.00	EXISTING SPOT GRADE
RI. STD.	RHODE ISLAND STANDARD		SPLIT RAIL FENCE
INV.	INVERT OF PIPE		DEEP OBSERVATION HOLE
P. V. C.	POLYVINYL CHLORIDE PIPE		OUT CROP OR SURFACE ROCK
S. D. R.	STANDARD DIMENSION RATIO		EXIST. UNDERGROUND ELECTRIC
CONC.	CONCRETE		EXIST. WATER
BIT.	BITUMINOUS		EXIST. UNDERGROUND TELEPHONE
TYP.	TYPICAL		FINISH GRADE SURFACE FLOW DIRECTION

CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916

BURLINGAME STATE PARK AND CAMPGROUND

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

MAIN CAMP BATHHOUSE - SITE PLAN

Dwg: Scale: 1" = 20'

Contract No. x Date: OCTOBER 6, 2023

C-1.5
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