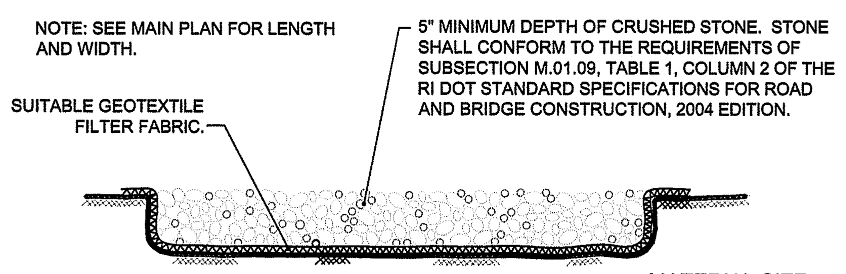


1. WIDTH SHALL NOT BE LESS THAN THE FULL WIDTH OF THE RESPECTIVE POINTS OF INGRESS OR EGRESS (12' MINIMUM).
2. THE LENGTH OF CONSTRUCTION ENTRANCE SHALL BE AT LEAST 50 FEET WHERE THE SOILS ARE SANDS OR GRAVELS, EXCEPT WHERE THE TRAVELED LENGTH IS LESS THAN 50 FEET. WHERE SOILS ARE CLAYS OR SILTS, THE LENGTH OF CONSTRUCTION ENTRANCES SHALL BE AT LEAST 100 FEET EXCEPT WHERE THE TRAVELED LENGTH IS LESS THAN 100 FEET

MATERIAL SIZE

SQUARE MESH SIEVE	RIDOT 2" CRUSHED STONE % FINER
2¼"	100
2"	90-100
1½"	30-55
1¼"	0-25
1"	0-5

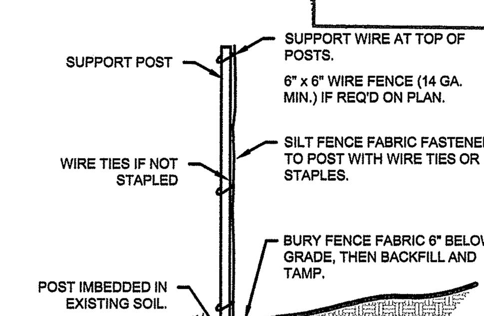
Construction Entrance Section

SCALE: NONE

CRUSHED STONE DRIVE

CRUSHED STONE SHALL SHALL BE 3/4 " TO 1 1/2 " DIAMETER, WASHED ANGULAR CRUSHED STONE INSTALLED TO A MINIMUM DEPTH OF 3 INCHES. THE GRADE OF THE FINISHED DRIVEWAY SHALL NOT BE HIGHER THAN THE ADJACENT GROUND ELEVATION.

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.



SILT FENCE DETAIL

NOT TO SCALE

Per RIDEM: See cond. No. 16
▨ - Area of temporary disturbance for planting
⊙ - Native shrub planting

GENERAL:

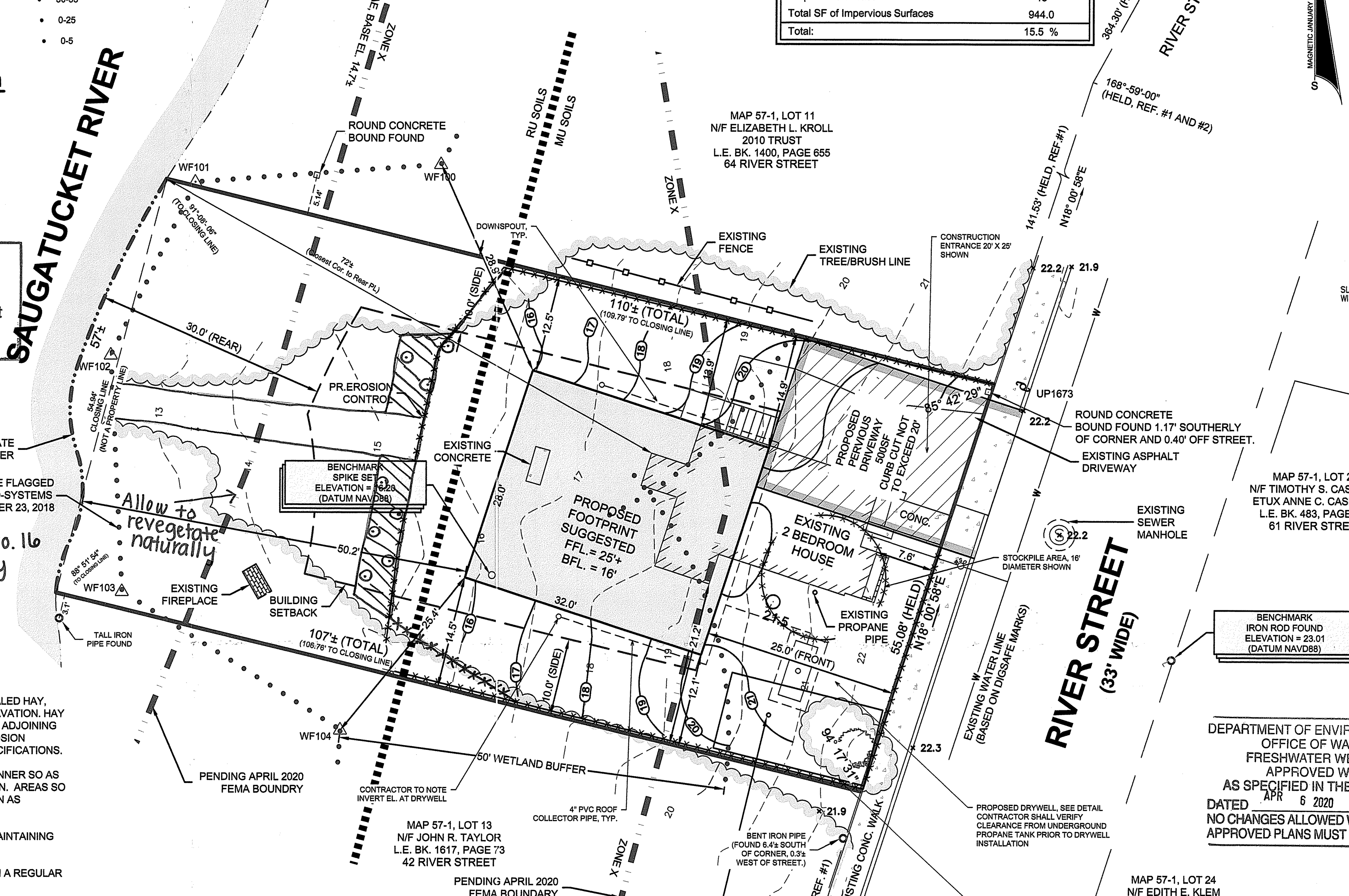
1. THE CONTRACTOR IS REQUIRED TO MAINTAIN THE CONSTRUCTION AREA IN A SAFE MANNER AND ALL CONSTRUCTION ACTIVITY ON THE SITE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
2. PROPOSED CONSTRUCTION WILL RESULT IN LESS THAN ONE ACRE OF SOIL DISTURBANCE.
3. SOIL TYPE - AS SHOWN:
   MU - MERRIMAC-URBAN LAND COMPLEX, 0-8% SLOPES
   RU - RIPPOWAM FINE SANDY LOAM

WORK PROPOSED:

1. INSTALL EROSION CONTROL MEASURES AND CONSTRUCTION PAD.
2. RAZE AND REMOVE THE EXISTING HOUSE.
3. IMPROVEMENTS CONSIST OF A PROPOSED HOUSE, DRIVEWAY, UTILITIES AND SUBSURFACE DRYWELL.
4. EARTHWORK PROPOSED IS FOR THE EXCAVATION OF FOUNDATION, UTILITIES, DRIVEWAY AND BMP.
5. TOTAL AREA OF DISTURBANCE = 3,635 S.F. (INCLUDES LAWN RESTORATION AS NEEDED)

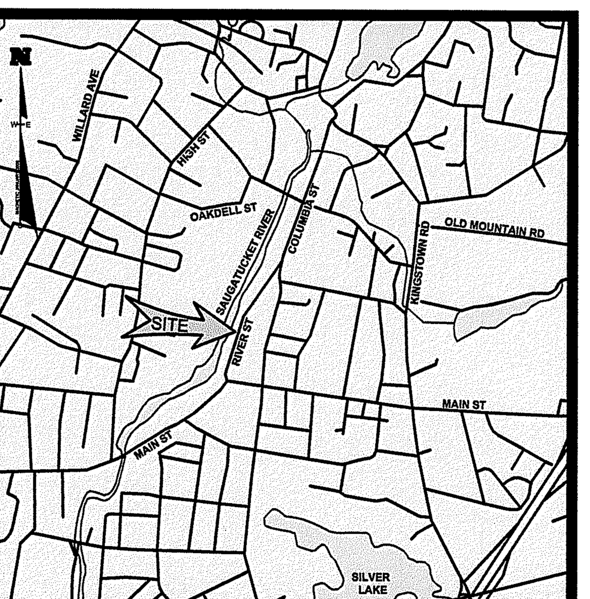
IMPERVIOUS AREA CALCULATIONS

DESCRIPTION EXISTING	AREA (sf)
Existing House	438.3
Existing Asphalt Driveway	335.7
Existing Concrete Walk	47.6
Total SF of Impervious Surfaces	821.6
Total:	13.5 %
DESCRIPTION PROPOSED	**AREA (sf)**
Proposed House	896.0
Proposed Staircase	48
Total SF of Impervious Surfaces	944.0
Total:	15.5 %



LEGEND

Symbol	Description	Symbol	Description
▬	PROPERTY LINE	TP #1	TEST PIT
	UTILITY POLE	⊡	BOUND
x97.5	SPOT GRADE	○	IRON PIN
—102—	EXISTING CONTOUR		TREE/BRUSH LINE
—W—	WATER LINE		FENCE LINE
WV	WATER VALVE		SILT FENCE

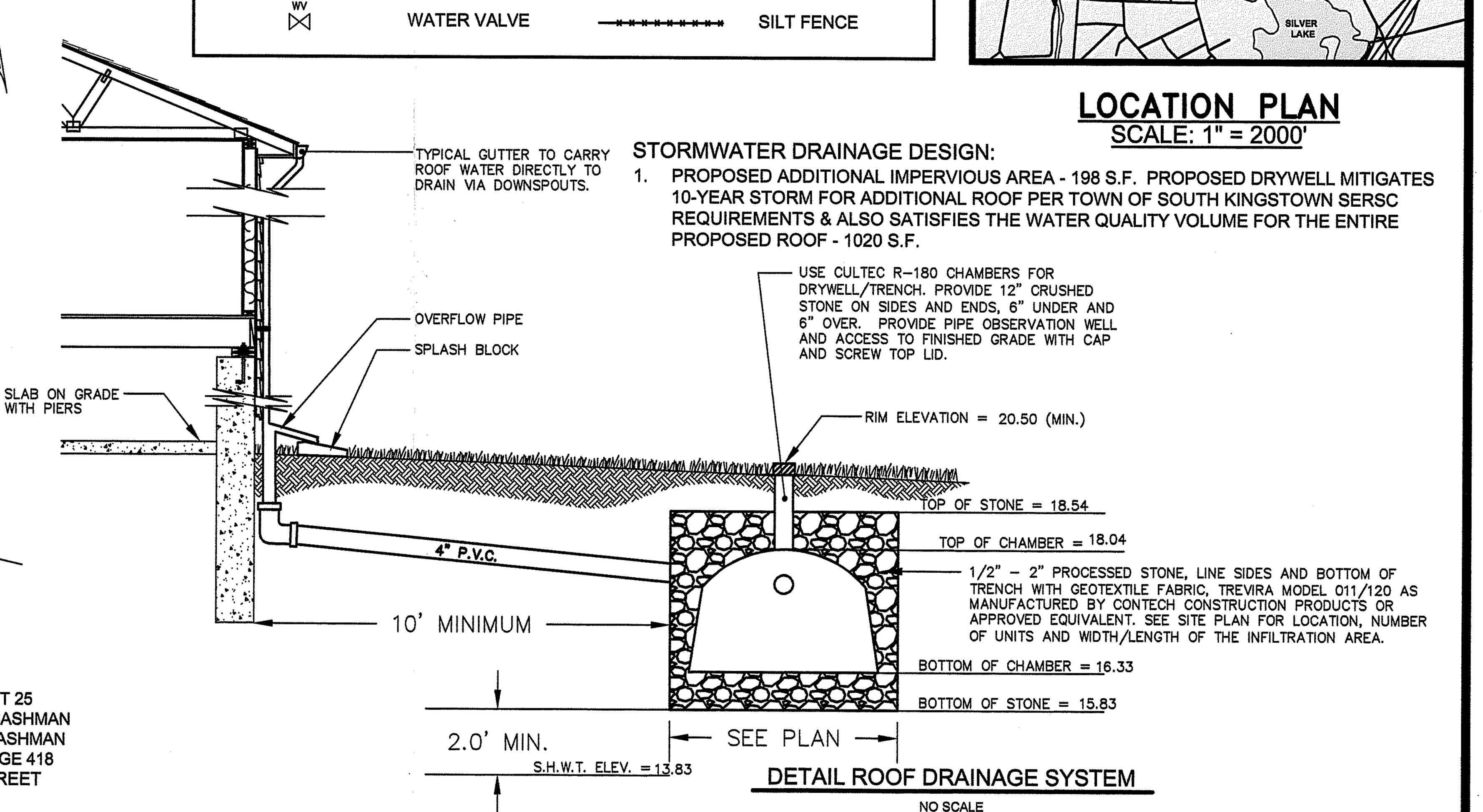


LOCATION PLAN

SCALE: 1" = 2000'

STORMWATER DRAINAGE DESIGN:

1. PROPOSED ADDITIONAL IMPERVIOUS AREA - 198 S.F. PROPOSED DRYWELL MITIGATES 10-YEAR STORM FOR ADDITIONAL ROOF PER TOWN OF SOUTH KINGSTOWN SERSC REQUIREMENTS & ALSO SATISFIES THE WATER QUALITY VOLUME FOR THE ENTIRE PROPOSED ROOF - 1020 S.F.



DETAIL ROOF DRAINAGE SYSTEM

NO SCALE

DRYWELL NOTES:

1. PER WEB SOIL SURVEY LOAMY SAND ENCOUNTERED AT 22" BELOW GRADE. THE CONTRACTOR SHALL EXCAVATE TO THE DEPTH SHOWN FOR THE BOTTOM OF THE DRYWELL SYSTEM. IF LOAMY SAND IS NOT ENCOUNTERED, ENGINEER SHALL BE NOTIFIED.
2. INLET INVERT ELEVATION AT DRYWELLS = 17.50.
3. DRYWELL SHALL CONSIST OF ONE ROW OF ONE CULTEC R-180 CHAMBER (OVERALL SIZE: 5' X 9.33').
4. ALL ROOF DOWNSPOUTS SHALL BE CONNECTED TO SUBSURFACE DRYWELL.
5. 4" ADS PIPE MAY BE SUBSTITUTED FOR 4" PVC.

GRAPHICAL SCALE: 1" = 10'

0' 10' 20' 30' 40'

EROSION AND SEDIMENTATION CONTROL NOTES:

TEMPORARY AND/OR PERMANENT EROSION CONTROL DEVICES SUCH AS BALED HAY, SILT FENCING, ETC. SHALL BE INSTALLED PRIOR TO ANY CLEARING OR EXCAVATION. HAY BALES OR SILT FENCING SHALL BE PLACED IMMEDIATELY DOWN SLOPE AND ADJOINING AREAS OF SOIL DISTURBANCE AND STOCKPILES. INSTALLATION OF ALL EROSION CONTROL DEVICES SHALL BE CONDUCTED IN ACCORDANCE TO DETAIL SPECIFICATIONS.

CLEARING OF EXISTING VEGETATION SHALL BE DONE IN A CONTROLLED MANNER SO AS TO AVOID EXTENSIVE AREAS OF DEFOLIATED TERRAIN SUBJECT TO EROSION. AREAS SO DISTURBED SHALL BE BROUGHT TO FINAL GRADES AND STABILIZED AS SOON AS POSSIBLE.

DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.

ALL EROSION CONTROL DEVICES SHALL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS DURING CONSTRUCTION, ESPECIALLY AFTER EACH RAINFALL.

DUE TO CHANGING CHARACTERISTICS OF THE SITE CAUSED BY AND DURING CONSTRUCTION ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS SITE CONDITIONS WARRANT.

IF CONSTRUCTION IS SUSPENDED, ALL DISTURBED AREAS SHALL BE SEEDED AND ALL NECESSARY EROSION CONTROL DEVICES SHALL BE IN PLACE AND IN GOOD WORKING ORDER. IF SEEDING IS NOT POSSIBLE THEN EROSION CONTROL MATS SHALL BE PLACED OVER ALL DISTURBED SOIL.
EROSION CONTROL BLANKETS (MATS) SHALL BE INSTALLED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS. EROSION CONTROL BLANKETS (MATS) SHALL BE MANUFACTURED BY NORTH AMERICAN GREEN) OR APPROVED EQUIVALENT AND INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

ALL EROSION CONTROL METHODS, MATERIALS AND MAINTENANCE SHALL BE DONE IN ACCORDANCE WITH THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK".

ALL AREAS WHICH ARE DISTURBED DURING CONSTRUCTION ARE TO BE BROUGHT TO FINISHED GRADE WITH AT LEAST 6" MINIMUM DEPTH OF GOOD QUALITY LOAM AND ALL SOIL AMENDMENTS DEEMED NECESSARY. THE AREA SHALL BE SEEDED WITH A QUICK GERMINATING GRASS SEED SUCH AS URI #2 OR APPROVED EQUIVALENT.

THE CONTRACTOR SHALL PROVIDE FOR ALL SEEDED AREAS TO BE WATERED AND IN GOOD CONDITION UNTIL A GOOD HEALTHY AND UNIFORM GROWTH IS ESTABLISHED OVER THE ENTIRE AREA.

GENERAL NOTES:

1. THIS SITE IS NOT LOCATED WITHIN A NATURAL HERITAGE AREA ACCORDING TO RIDEM ENVIRONMENTAL RESOURCE MAP.
2. THIS SITE IS NOT LOCATED WITHIN A CRITICAL RESOURCE AREA ACCORDING TO RIDEM ENVIRONMENTAL RESOURCE MAP.
3. THIS SITE IS NOT LOCATED IN A HISTORIC OVERLAY DISTRICT ACCORDING TO THE SOUTH KINGSTOWN GIS MAP.
4. THIS SITE IS NOT LOCATED IN A HIGH FLOOD DANGER OVERLAY DISTRICT ACCORDING TO THE SOUTH KINGSTOWN GIS MAP.
5. THIS SITE IS NOT LOCATED IN A GROUNDWATER PROTECTION OVERLAY DISTRICT ACCORDING TO THE SOUTH KINGSTOWN GIS MAP.

PLAN REFERENCES:

1. TOWN OF SOUTH KINGSTOWN, RI, PLAN OF RIVER STREET", AS RELAID AND WIDENED BY COMMITTEE, SURVEYED JUNE 1928, PREPARED BY L. HOLLAND CIVIL ENGINEER, SCALE 1" = 40'.
2. "LAYOUT AND PROFILE OF RIVER STREET", SOUTH KINGSTOWN, RI, APRIL 1936, HORIZONTAL SCALE 1" = 100', VERTICAL SCALE 1" = 10', PREPARED BY EARL C. WHALEY.

C:\Users\cjd2\Documents\CJD PE2\Projects\Wise - 54 River St, SK\Wise, Rick, Phillip River St - Drainage .dwg 2/24/2020 9:54:37 AM

CONSTRUCTION WASTE:

IT IS THE SOLE RESPONSIBILITY OF THE SITE CONTRACTOR FOR THE FOLLOWING:
1. ALL CONSTRUCTION WASTE SHALL BE PROPERLY HANDLED AND DISPOSED IN A PROPER MANNER, I.E. STORED IN APPROPRIATE CONTAINERS AND DISPOSED OFFSITE AT APPROPRIATE FACILITIES.
2. HAZARDOUS MATERIALS SHALL BE HANDLED IN ACCORDANCE WITH LOCAL, STATE OF FEDERAL LAWS OR REGULATIONS.
3. THE CONSTRUCTION SITE SHALL BE MAINTAINED IN A CLEAN ORDERLY FASHION WITH DEBRIS, LITTER AND CONSTRUCTION WASTE CLEANED UP AS NEEDED. THE SITE SHALL ALSO BE CLEANED AT THE END OF EACH DAY.
4. CONCRETE WASHDOWN WATER USED TO CLEAN CONCRETE TOOLS AND EQUIPMENT SHALL BE DISPOSED OF PROPERLY AND SHALL NOT BE ALLOWED TO ENTER STORM DRAINS, SANITARY SEWERS OR PERMITTED TO DISCHARGE TO STREET SURFACES. HARDENED WASTE CONCRETE CAN BE DISPOSED IN A MANNER SIMILAR TO ANY EARTH SPOILS PROVIDED THE MATERIALS ARE NOT CONTAMINATED WITH HAZARDOUS SUBSTANCES.
5. A SUFFICIENT NUMBER OF ONSITE PORTABLE TOILETS SHALL BE PROVIDED FOR PERSONNEL, IF OTHER TOILET FACILITIES ARE NOT ALREADY AVAILABLE.
6. CONTRACTOR SHALL INSURE TRUCKS AND VEHICLES DO NOT CARRY MUD FROM THE SITE ONTO ABUTTING STREETS OR PROPERTIES BY THE USE OF APPROPRIATE VEHICLE CONSTRUCTION ENTRANCE PADS. THE CONTRACTOR SHALL BE ESPECIALLY DILIGENT WHERE CONSTRUCTION PADS CANNOT BE USED OR ARE NOT FEASIBLE DUE TO SITE CONSTRAINTS, E.G. EXISTING PAVEMENT OR LIMITED AREA.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING TRACKED MUD FROM ABUTTING STREETS, STORM DRAINS, ETC., TO THE SATISFACTION OF THE OWNER OF THE STREET OR DRAINS.

FEMA FLOOD NOTES:

THE SUBJECT PROPERTY DEPICTED HEREON APPEARS TO BE WITHIN ZONE AE, WITH AN APPROXIMATE 100-YR FLOOD ELEVATION OF 14.7'± AS ROUGHLY SCALED BETWEEN TWO RIVER CROSS-SECTIONS (SECTION E = 14.4' AND SECTION F = 15') REFERENCE FEMA FLOOD INSURANCE RATE MAP 44009C0203K, PENDING APRIL 3, 2020.

UTILITIES:

1. THE LOCATION OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE ONLY AND HAVE BEEN SHOWN USING THE BEST AVAILABLE DATA.
2. THE CONTRACTOR SHALL CONTACT 'DIG-SAFE' AND/OR OTHER APPROPRIATE UTILITY COMPANIES TO ASCERTAIN THE EXACT LOCATION OF THE RESPECTIVE UTILITY PRIOR TO CONSTRUCTION.
3. UTILITIES INCLUDE BUT ARE NOT LIMITED TO GAS, ELECTRIC, WATER, TELEPHONE CABLE TV, ETC.

PROPERTY NOTES:

1. THE FRONT PROPERTY LINE AND THE TWO FRONT PROPERTY CORNERS ALONG RIVER STREET FOR THE SUBJECT PARCEL HAVE BEEN REESTABLISHED WITH REASONABLE CERTAINTY AND THEIR LOCATIONS MEET CLASS I SURVEY STANDARDS. THE FRONT PROPERTY LINE AND FRONT PROPERTY CORNERS WERE REESTABLISHED FROM EXISTING BOUNDS AS SHOWN ON REFERENCES #1 AND #2.
2. THE DEEDS FOR THE SUBJECT PARCEL AND THE ADJOINING LOTS ARE AMBIGUOUS REGARDING THE DIRECTION OF THE SIDE PROPERTY LINES FROM RIVER STREET TOWARD THE SAUGATUCKET RIVER.
3. A COPY OF A CRUDE SKETCH WAS OBTAINED FROM THE NORTHERLY ADJOINER, ELIZABETH KROLL. THE CRUDE SKETCH SHOWED WHAT APPEARED TO BE BOUNDS ON HER SIDE PROPERTY LINES NEAR THE RIVER AND NEAR BUT NOT ON THE STREETLINE OF RIVER STREET. THE SKETCH DID NOT APPEAR TO BE PROFESSIONALLY PREPARED AND DID NOT HAVE A TITLE OR PROFESSIONAL'S NAME OR SEAL. THE SKETCH APPEARED TO HAVE BEEN PREPARED TO SHOW THE PROPOSED LOCATION OF HER HOUSE PRIOR TO CONSTRUCTION. THE SOURCE OF THE BOUNDS ARE NOT KNOWN TO THIS SURVEYOR AND THEIR LOCATIONS ALONG RIVER STREET DO NOT CHECK WITH SEVERAL ORIGINAL BOUNDS FOR RIVER STREET AS SHOWN ON REFERENCE #2. ROUND CONCRETE BOUNDS WERE FOUND BUT THEY ARE NOT HELD SINCE THEIR ORIGIN IS UNKNOWN AND THEIR LOCATIONS DO NOT MATCH THE ORIGINAL LAYOUT OF RIVER STREET. SINCE THE BOUNDS NEAR KROLL'S FRONT CORNERS DO NOT CHECK WELL THEN IT IS UNLIKELY THAT THE BOUNDS CLOSER TO THE RIVER CAN BE RELIED UPON.
4. EXISTING IRON PIPES WERE FOUND NEAR THE SOUTHERLY SIDE PROPERTY LINE OF THE SUBJECT PARCEL. THE LOCATION OF THE IRON PIPE CLOSEST TO RIVER STREET DOES NOT CHECK WITH THE REESTABLISHED SOUTHEAST (FRONT) CORNER OF THE SUBJECT PARCEL BASED ON REFERENCES #1 AND #2. HAD THE FOUND IRON PIPE CLOSEST TO THE ROAD BEEN HELD, THEN THE LOT FRONTAGE OF THE SUBJECT PARCEL WOULD BE OVER 6' LONGER THAN CALLED FOR IN THE DEED AND SHOWN ON REFERENCE #1. THE IRON PIPE IS NOT CALLED FOR IN THE DEED AND NOT SHOWN ON ANY RECORDED SURVEY PLANS. THE IRON PIPES ARE NOT HELD SINCE THE SOURCE OF THE IRON PIPES ARE UNCERTAIN AND THE LOCATION OF THE IRON PIPE NEAR THE ROAD DOES NOT MATCH REFERENCE #1 AND #2.
5. SINCE THE DIRECTION OF THE SIDE PROPERTY LINES IS AMBIGUOUS, THE DIRECTION OF THE SIDE PROPERTY LINES FROM THE ROAD TO THE RIVER ARE SHOWN AS SCALED FROM REFERENCE #1 SINCE REFERENCE #1 SEEMS TO HAVE THE BEST INFORMATION REGARDING THE SIDE PROPERTY LINES.
6. THEREFORE, THE LOCATION OF THE **SIDE PROPERTY LINES** SHOWN HEREON ARE **APPROXIMATE ONLY** AND MEET A CLASS IV SURVEY STANDARD AND ARE SUBJECT TO CHANGE BASED ON ADDITIONAL SURVEYING AND ADDITIONAL RESEARCH.

STREET INDEX:

THIS PLAN, SHALL BE INDEXED UNDER THE FOLLOWING STREET:
- RIVER STREET

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED APR 6 2020 FILE # 20-0061
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

BMP OPERATION AND MAINTENANCE

1. BMP'S SHALL BE INSPECTED ANNUALLY AND REPAIRED IF NECESSARY TO ENSURE PROPER DRAINAGE.
2. ACCUMULATED SEDIMENT AND DEBRIS SHALL BE REMOVED FROM THE SURFACE OF THE INFILTRATION PRACTICE ANNUALLY.

SITE INFORMATION

LOT:	57-1
ASSESSOR'S MAP:	12
LOT AREA:	6,100 SF±
ZONING DISTRICT:	R-10
TOWN REQUIREMENTS	**REQUIRED**
LOT AREA	10,000 SF
LOT WIDTH	80 FEET
FRONT SETBACK:	25 FEET
SIDE SETBACK:	10 FEET
REAR SETBACK:	30 FEET
SITE COVERAGE:	25%
BUILDING HEIGHT:	35 FEET
EXISTING	
EXISTING BUILDINGS AREA	438 SF
TOTAL EXISTING COVERAGE AREA	438 SF
EXISTING SITE COVERAGE	7.2%

CERTIFICATION:

This survey has been conducted during August and September, 2018 and the plan has been prepared pursuant to 435-RICR-00-00-1.9 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	I
Other Type of Survey: Data Accumulation Survey (By Onsite Instrument Survey)	III
Topographic Standard:	T-2
Vertical Control Standard:	V-3

The purpose for the conduct of the survey and the preparation of the plan is as follows:
This plan is intended for the design and permitting of an Onsite Wastewater Treatment System for the subject parcel shown hereon.

This plan is intended to show the location of existing and proposed improvements for regulatory and municipal applications.

BY: Jeffrey K. Balch DATE: 2/26/2020
JEFFREY K. BALCH, RI PROFESSIONAL LAND SURVEYOR #1839
CERTIFICATE OF AUTHORIZATION #A535.

FRISELLA-BALCH & ASSOCIATES
LAND SURVEYING
33 NORTH ROAD, SUITE C-201,
PEACE DALE, RI
PHONE (401) 783-5949
FAX (401) 783-5997
www.frisella.com

CJ DOYLE, P.E.
CIVIL ENGINEERING
MAILING ADDRESS
P.O. BOX 1161, HOPE VALLEY, RI
OFFICE LOCATION
1122 MAIN STREET, WYOMING, RI
PHONE (401) 491-9530
cjengine@cox.net

NO.	DATE	DESCRIPTION	BY

DRAWING TITLED:
SOIL EROSION, RUNOFF & SEDIMENT CONTROL PLAN
MAR 10 2020

LOCATED ON:
LOT 12: OF ASSESSORS MAP: 57-1

OWNED BY:
RICHARD WISE AND AMY GOODWIN

ADDRESS:
54 RIVER STREET
IN THE TOWN OF SOUTH KINGSTOWN, RI

DATE: FEBRUARY 24, 2020

SCALE: 1" = 10'

DESIGNED BY: CAROLYN J. DOYLE, P.E.

DRAWN BY: IB/CJD CHECKED BY: CJD OR JKB

DRAWING No. SHEET 1 OF 1

JEFFREY K. BALCH 2/26/20
STATE OF RHODE ISLAND HOPE
No. 1839
PROFESSIONAL LAND SURVEYOR

CAROLYN J. DOYLE
STATE OF RHODE ISLAND HOPE
No. 5078
REGISTERED PROFESSIONAL ENGINEER
2/26/2020

FOR SURVEYS ONLY | FOR ENGINEERING

© 2020