

TYPICAL PROFILE OF ROOF DRAINAGE COLLECTION SYSTEM NOT TO SCALE

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 OFF-SITE AT APPROPRIATE FACILITIES.
2. HAZARDOUS MATERIALS SHALL BE HANDLED IN ACCORDANCE WITH LOCAL, STATE OR 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 ON-SITE PORTABLE TOILETS SHALL BE PROVIDED FOR PERSONNEL, IF OTHER TOILET FACILITIES ARE NOT ALREADY AVAILABLE. CONTRACTOR SHALL INSURE TRUCKS AND VEHICLES DO NOT CARRY MUD FROM THE SITE ONTO ADJUTING 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.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING TRACKED MUD FROM ADJUTING STREETS, STORM DRAINS, ETC., TO THE SATISFACTION OF THE OWNER OF THE STREET OR DRAINS.

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 TYPES (FOR AREA OF DEVELOPMENT):
N88 - NARRAGANSETT, VERY STONY SILT LOAM, 0-8 PERCENT SLOPES
B8B - BRIDGEHAMPTON-CHARLTON COMPLEX, VERY STONY, 0-8 PERCENT SLOPES.

EROSION AND SEDIMENTATION CONTROL NOTES:

1. 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.
2. 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.
3. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
4. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS DURING CONSTRUCTION, ESPECIALLY AFTER EACH RAINFALL.
5. DUE TO CHANGING CHARACTERISTICS OF THE SITE CAUSED BY AND DURING CONSTRUCTION ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS SITE CONDITIONS WARRANT.
6. 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.
7. EROSION CONTROL BLANKETS (MATS) SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. EROSION CONTROL BLANKETS (MATS) SHALL BE MANUFACTURED BY NORTH AMERICAN GREEN OR APPROVED EQUIVALENT AND INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
8. ALL EROSION CONTROL METHODS, MATERIALS AND MAINTENANCE SHALL BE DONE IN ACCORDANCE WITH THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK".
9. 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.
10. 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.

WORK PROPOSED:

1. INSTALL EROSION CONTROL MEASURES AND CONSTRUCTION PAD.
2. IMPROVEMENTS CONSIST OF A PROPOSED RESIDENTIAL BUILDING, DECKS, UTILITIES AND STORMWATER DRY WELLS.
3. EARTHWORK PROPOSED IS FOR THE EXCAVATION OF FOUNDATION, DECKS, UTILITIES AND BMPs.
4. TOTAL AREA OF DISTURBANCE = 16,200 S.F. (INCLUDES LAWN RESTORATION AS NEEDED)

SURVEY PLAN REFERENCE:

1. REFERENCE SURVEY PLOT PLAN OF LAND IN THE TOWN OF SOUTH KINGSTOWN, RHODE ISLAND A.P. 40-1, LOT 4 - OCTOBER 4, 2023 BY PETER V. CIPOLLA, JR.
2. REFERENCE PROPOSED BUILDING LOCATION PLAN IN THE TOWN OF SOUTH KINGSTOWN, RHODE ISLAND A.P. 40-1, LOT 4 - OCTOBER 4, 2023 BY PETER V. CIPOLLA, JR.

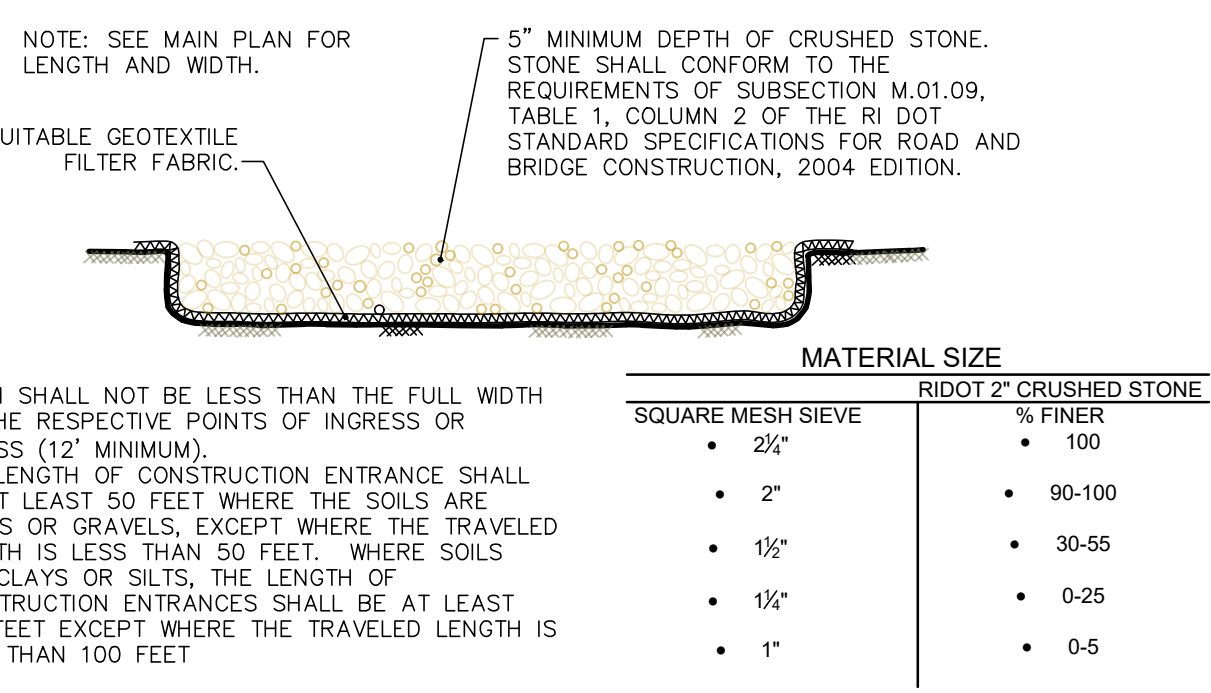
FEMA DESIGNATIONS:
THE SUBJECT PROPERTY DEPICTED HEREON APPEARS OUTSIDE OF A FLOOD ZONE PER FEMA FLOOD INSURANCE RATE MAP 44090C0184K, DATED APRIL 3, 2020.

UTILITIES:

1. THE LOCATION OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE ONLY AND HAVE BEEN SHOWN USING THE AVAILABLE DATA. WATER & SEWER DATA PROVIDED BY THE SURVEYOR.
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. UTILITIES INCLUDE BUT ARE NOT LIMITED TO GAS, ELECTRIC, WATER, SEWER, TELEPHONE, CABLE TV, ETC.
3. PROPOSED WATER SERVICES SHALL BE 1" PER KINGSTOWN WATER DISTRICT.
4. PROPOSED SEWER SERVICE LATERALS SHALL BE 6" PER TOWN OF SOUTH KINGSTOWN.

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.



Construction Entrance Section SCALE: NONE

STORMWATER DRAINAGE DESIGN:

1. 10-YEAR, 24-HOUR STORM EVENT, TOTAL RAINFALL = 4.9 INCHES.
2. PROPOSED ROOF AREA = 1,200 SF; PROPOSED PAVED DRIVE = 2,688 SF
3. ALL STORMWATER FROM ROOF OF BUILDING TO DRYWELL AS NOTED. ALL STORMWATER FROM PAVED DRIVE TO DRYWELL AS NOTED.
4. BASED ON AN INFILTRATION RATE OF 8.27 IN/HR (SAND, SOIL TYPE MU) AND USING BOTTOM AREA ONLY (156 SF FOR ROOF AND 252 SF FOR DRIVE), 10 YEAR STORM EVENT IS HANDLED WITHOUT OVERFLOW.
5. GWT = 80" BELOW GRADE" PER USDA SOIL WEB SURVEY ==> 95.00 - 6.67' = 88.33
6. SEE CALCULATIONS PREPARED BY C.J. DOYLE, P.E.

DRY WELL NOTES:

1. ALL DRYWELL CONSTRUCTION METHODS, MATERIALS AND MAINTENANCE SHALL BE DONE IN ACCORDANCE WITH THE "STATE OF RI STORMWATER GUIDANCE FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT".
2. DRYWELLS SHALL CONSIST OF CONCRETE FLOW DIFFUSERS WITH 12" STONE UNDER AND AROUND OUTSIDE, SEE DIMENSIONS SHOWN ON THE PLAN.
3. ALL ROOF DOWNSPOUTS FROM THE DUPLEX SHALL BE CONNECTED TO SUBSURFACE DRYWELL. ALL ON-SITE PAVED DRIVE TO SECOND SUBSURFACE DRYWELL AS SHOWN.
4. 4" ADS PIPE MAY BE SUBSTITUTED FOR 4" PVC.



LOCATION MAP N.T.S.

SITE CONDITIONS

LOT: 4
A.M.: 40-1
AREA: 22,500 S.F.
ROAD FRONTAGE: 134.0'
ZONING DISTRICT: MU

SETBACKS
FRONT: 25 FEET*
REAR: 20 FEET*
SIDE: 10 FEET*
COV.: 30%*
MAX. BUILDING HEIGHT: 35'*

*PER LOCAL BUILDING & ZONING OFFICIAL ON 1/12/2024 FOR TWO-FAMILY STRUCTURES

GENERAL NOTES:

1. ACCORDING TO THE TOWN OF SOUTH KINGSTOWN, THE SITE IS NOT LOCATED IN THE SPECIAL FLOOD HAZARD AREA OVERLAY DISTRICT.
2. THIS SITE IS NOT LOCATED WITHIN AN OWTS CRITICAL RESOURCE AREA.
3. THIS SITE IS LOCATED WITHIN A NATURAL HERITAGE AREA (DEC 2022).
4. THIS SITE IS NOT LOCATED WITHIN THE NARROW RIVER SPECIAL AREA MANAGEMENT PLAN.
5. THIS SITE IS NOT UNDER JURISDICTION OF THE SALT PONDS REGION SPECIAL AREA MANAGEMENT PLAN.
6. THIS SITE IS NOT LOCATED IN A GROUNDWATER PROTECTION OVERLAY DISTRICT.
7. THIS SITE IS NOT LOCATED IN A TMDL WATER AS DEFINED BY RIDEM AND THE TOWN OF SOUTH KINGSTOWN.
8. THE SITE IS NOT LOCATED IN A DRINKING WATER SUPPLY WATERSHED AS DEFINED BY RIDEM.
9. THE SITE IS LOCATED IN THE KINGSTOWN ROAD SMD.
10. NO WETLAND IS PRESENT ON THE SITE OR IN THE VICINITY OF THE SITE THAT PLACE A JURISDICTIONAL AREA ON THE SUBJECT PROPERTY PER LETTER BY NATURAL RESOURCE SERVICES, INC. DATED OCTOBER 2, 2023.
11. THERE ARE NO HISTORIC CEMETERIES ON OR IMMEDIATELY ADJACENT TO THE PROPOSED DEVELOPMENT.
12. THERE ARE NO KNOWN UNIQUE HISTORIC FEATURES PRESENT ON THE SITE.
13. THERE ARE NO PRIME AGRICULTURAL SOILS & FARMLAND SOILS OF STATEWIDE IMPORTANCE ON THE SITE.

CJ DOYLE, P.E.			
CIVIL ENGINEERING			
MAILING ADDRESS:			
P.O. BOX 1161, HOPE VALLEY, RI 02832			
OFFICE LOCATION:			
1122 MAIN STREET, WYOMING, RI			
PHONE (401) 491-9530			
cjdoyle@cox.net			
1	01/15/2024	REVISED PER TOWN COMMENTS	CJD
NO.	DATE	DESCRIPTION	BY

SOIL EROSION, RUNOFF & SEDIMENT CONTROL PLAN

LOCATED ON: LOT 4 PLAT 40-1

OWNED BY: THOMAS GERALD, LLC

ADDRESS: 1809 & 1811 KINGSTOWN ROAD IN THE TOWN OF SOUTH KINGSTOWN, RI

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

SCALE: 1" = 20'

DRAWN BY: CJD CHECKED BY: CJD

DRAWING NO.: SHEET 1 OF 1

CAROLYN J. DOYLE REGISTERED PROFESSIONAL ENGINEER No. 5078

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