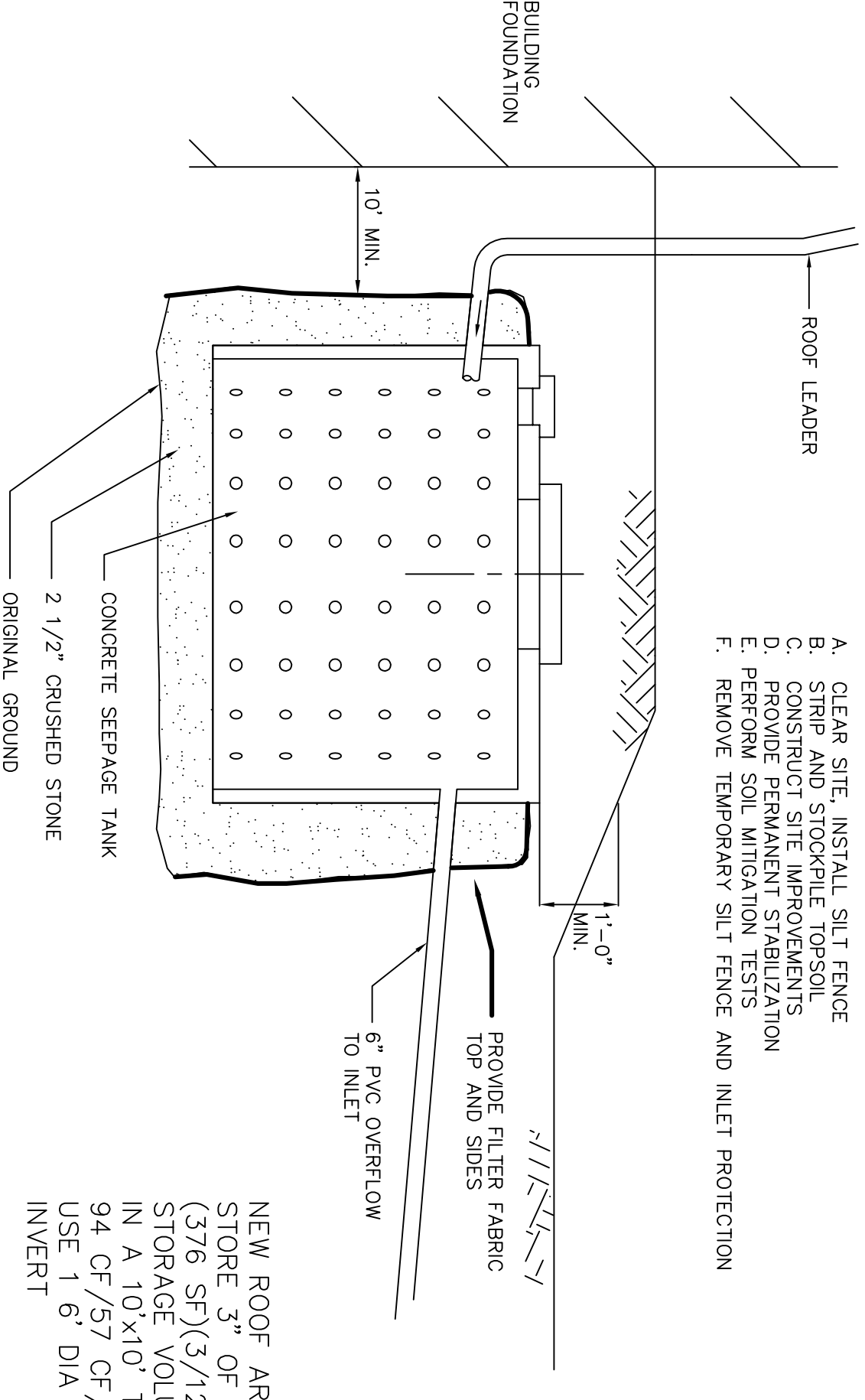


CONTRACTOR TO VERIFY LOCATION OF DRYWELL SYSTEM AND ALL UTILITIES BEFORE BEGINNING CONSTRUCTION



LEADER DRAIN DRY WELL DETAIL
NOT TO SCALE

NEW ROOF AREA = 376 SF
STORE 3" OF RUNOFF
(376 SF)(3/12) = 94 CF
STORAGE VOLUME OF A 6" DIA. DRYWELL IN A 10'X10' TRENCH = 57 CF/LF
94 CF / 57 CF/LF = 1.6 LF
USE 1 6" DIA DRYWELL 2-8" BELOW INVERT

- SOIL EROSION AND SEDIMENT CONTROL**
- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL AND WILL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
 - TEMPORARY STABILIZATION - ALL DISTURBED AREAS NOT SCHEDULED FOR CONSTRUCTION FOLLOWING WITHIN 30 DAYS OF DISTURBANCE SHALL BE STABILIZED BY APPLYING THE FOLLOWING:
 - GROUND LIMESTONE AT THE RATE OF 135 LBS PER 1,000 SQUARE FEET.
 - FERTILIZER AT THE RATE OF 14 LBS PER 1,000 SQUARE FEET, USING A 10-20-10 ANALYSIS OR AN EQUIVALENT.
 - ANNUAL RYEGRASS APPLIED AT NOT LESS THAN 1 LB. PER 1,000 SQUARE FEET.
 - PERMANENT SEEDING AREAS WITH 80 LBS. OF SALT HAY OR SMALL GRAIN STRAW PER 1,000 SQUARE FEET.
 - ALL PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
 - TOTAL DISTURBED AREA = 0.2 ACRES.
 - PERMANENT STABILIZATION - ALL EXPOSED SURFACES WILL BE TREATED WITH 6" OF TOPSOIL PERMANENT SEEDING (LAWN AREAS)
 - PERMANENT SEEDING (LAWN AREAS) 600 LBS. PER ACRE 10-20-10 INCORPORATED 4" INTO SOIL.
 - FERTILIZER DATED 3/1-5/15 AND 8/15-9/30, 80 LBS. OF KENTUCKY BLUEGRASS 20 LBS. OF RED FESCUE 10 LBS. AND 40 LBS. OF PERENNIAL RYEGRASS PER ACRE.
 - SHADE AREAS 20 LBS. OF RED FESCUE 20 LBS. AND DECREASE KENTUCKY BLUEGRASS PER ACRE.
 - MULCH ALL NEWLY SEEDED AREAS WITH 80 LBS. OF SALT HAY OR SMALL GRAIN STRAW PER 1,000 SQUARE FEET.
 - SEQUENCE OF CONSTRUCTION:
 - CLEAR SITE, INSTALL SILT FENCE
 - STRIP AND STOCKPILE TOPSOIL
 - CONSTRUCT SITE IMPROVEMENTS
 - PROVIDE PERMANENT STABILIZATION
 - PERFORM SOIL MONITORING TESTS
 - REMOVE TEMPORARY SILT FENCE AND INLET PROTECTION

COVERAGE CALCULATIONS

EXISTING	EXISTING
HOUSE 4101 SF	HOUSE 4101 SF
DRIVE 4246 SF	DRIVE 4246 SF
FRONT WALK 125 SF	FRONT WALK 125 SF
TOTAL 8472 SF	PATIO ROOF 376 SF
	TERRACE AREA 1383 SF
	EQUIP. AREA 30 SF
DECK 887 SF	TOTAL 10,261 SF

R-4 RESIDENTIAL ZONE:

ZONE REQUIREMENTS	REQUIRED	PROVIDED
MIN. LOT AREA	20,000 SF	EXISTING 32,066 SF
MIN. LOT WIDTH	115 FT	114.5 FT
MIN. FRONT YARD	150 FT	273.9 FT
MIN. SIDE YARD	40 FT/ESTABLISHED	48.6 FT
MIN. SIDE YARD FOR GARAGE	15-22 FT	15.3 FT
MIN. SIDE YARD COMBINED	28 FT	26.2 FT*
MIN. REAR YARD	35% LW; 40.0 FT	41.5 FT
MIN. REAR YARD OCCUPIED	20% LD; 54.8 FT	152.9 FT
MAX. BLDG COVERAGE	25% LA; 8,016 SF	13,612± SF
MAX. LOT COVERAGE	14%	12.7%
MIN. ACCESSORY SETBACK	35%	26.4%
MAX. HEIGHT	12 FT	17.1 FT
FLOOR AREA RATIO	32 FT	EX. NO CHANGE
MIN. ACCESSORY SIDE YARD	26%	13%
MIN. ACCESSORY REAR YARD	12 FT	17.1 FT
MAX. ACCESSORY BLDG HEIGHT	18 FT	121.7 FT
MAX. ACCESSORY USE COVERAGE	20%	12.16 FT
MAX. IMPERVIOUS COVERAGE FRONT YARD	30% FRONT YARD AREA	NA
		52%*

* EXISTING NON-CONFORMING CONDITION

DRAWN BY: SP CHECKED BY: WGH
 JOB NO. 03-007
 BOOK
 SCALE 1" = 20'
 GRAPHIC SCALE

DATE FEBRUARY 23, 2018
 REVISIONS APRIL 9, 2018 TREE PROTECTION

CERTIFICATE OF AUTHORIZATION
 No. 240627959700

Murphy & Hollows Associates LLC
 CIVIL ENGINEERING AND SURVEYING
 1195 CENTRAL AVENUE, STURLING, NJ 07980
 908.851.2255 WWW.MURPHYANDHOLLOWSONLINE.COM

GRADING PLAN
 FOR
 LOT 2
 BLOCK 5001
 8 ARLENE COURT
 TOWNSHIP OF
 MILLBURN
 ESSEX COUNTY
 NEW JERSEY

AIDAN T. MURPHY
 N.J. LIC. PROFESSIONAL ENGINEER #213119
 1979-2018

WILLIAM G. HOLLOWES
 N.J. LIC. PROFESSIONAL ENGINEER #213119
 N.J. PROFESSIONAL PLANNER #4330

FILE LF03-007 SHEET 1 OF 2