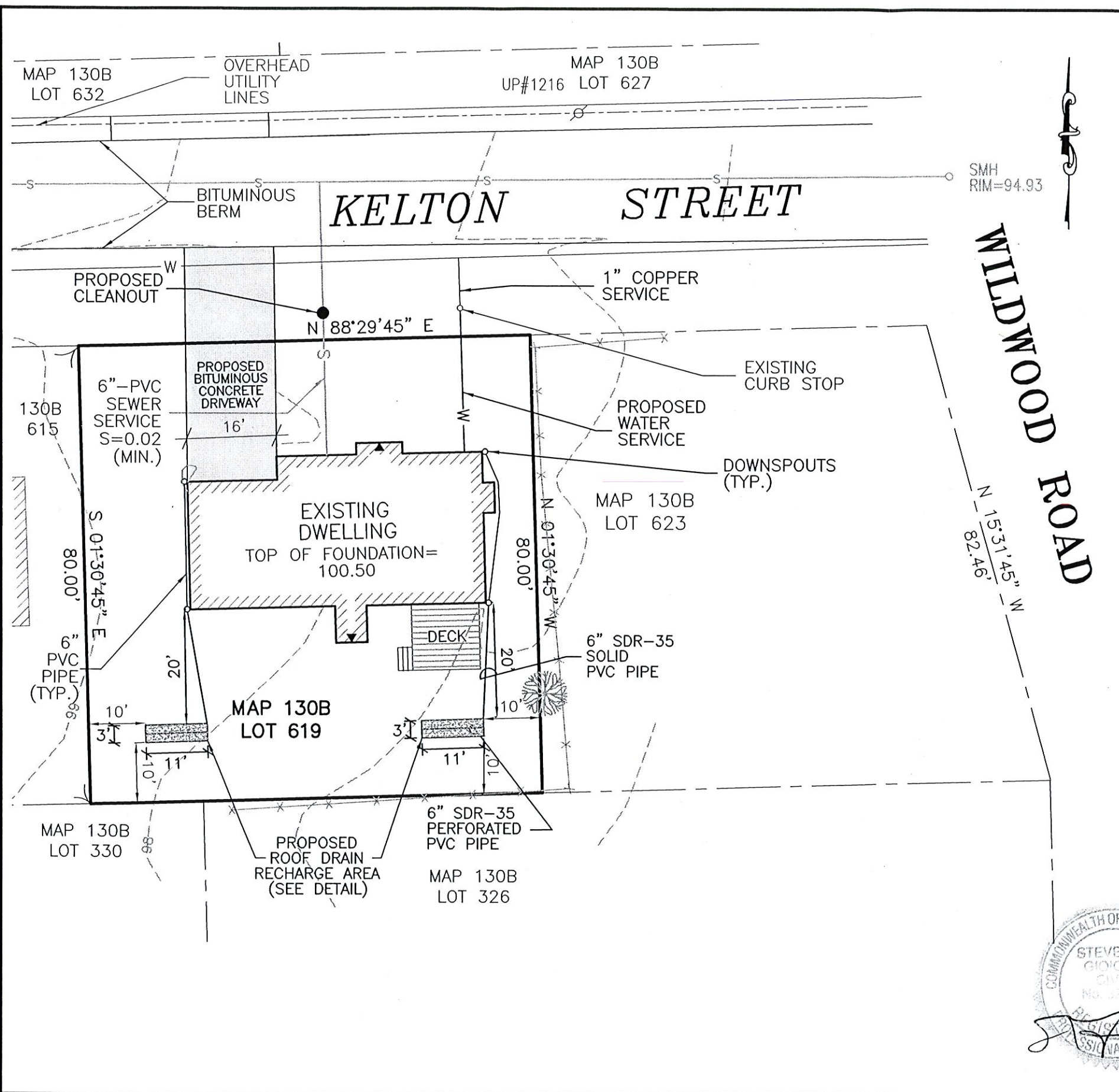




VOLUME TO RECHARGE:
 $\frac{0.25 \text{ INCHES}}{12} \times 1380 \text{ SF ROOF AREA} = 28.8 \text{ CF}$

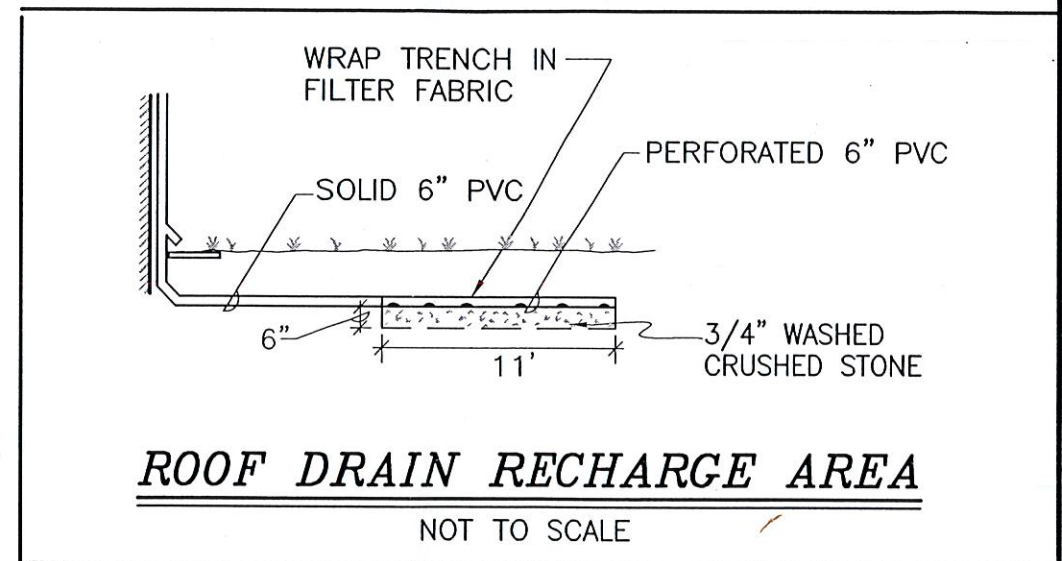
SYSTEM DESIGN: (2) TRENCHES
 USE 1' DEEP, 3' WIDE, 11' LONG
 CRUSHED STONE AREA W/
 6" PERFORATED PVC

STORAGE PROVIDED:
 PIPE: $0.25^2 \times \pi \times 11' = 2.16 \text{ CF}$

STONE BED:
 $[(1' \times 3' \times 11') - 2.16] \times 0.40 \text{ VOIDS} = 12.34 \text{ CF}$

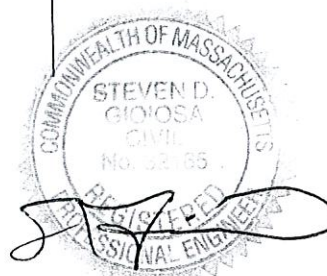
TOTAL STORAGE PROVIDED: $14.5 \text{ CF} \times 2 = 29.0 \text{ CF}$

ROOF DRAIN



ROOF DRAIN RECHARGE AREA

NOT TO SCALE



SITEC Civil and Environmental Engineering Land Use Planning		449 Faunce Corner Road Dartmouth, MA 02747 (508) 998-2125 FAX (508) 998-7554
project: MAP 130B LOT 619 KELTON STREET NEW BEDFORD, MASSACHUSETTS	client: RICHARD COUTINHO	scale: 1" = 20' date: 6/13/2019 drawn: KPM checked: SML approved: SDG
drawing title: SITE PLAN	sheet 1 of 1 drawing number: 19-1769-SP	