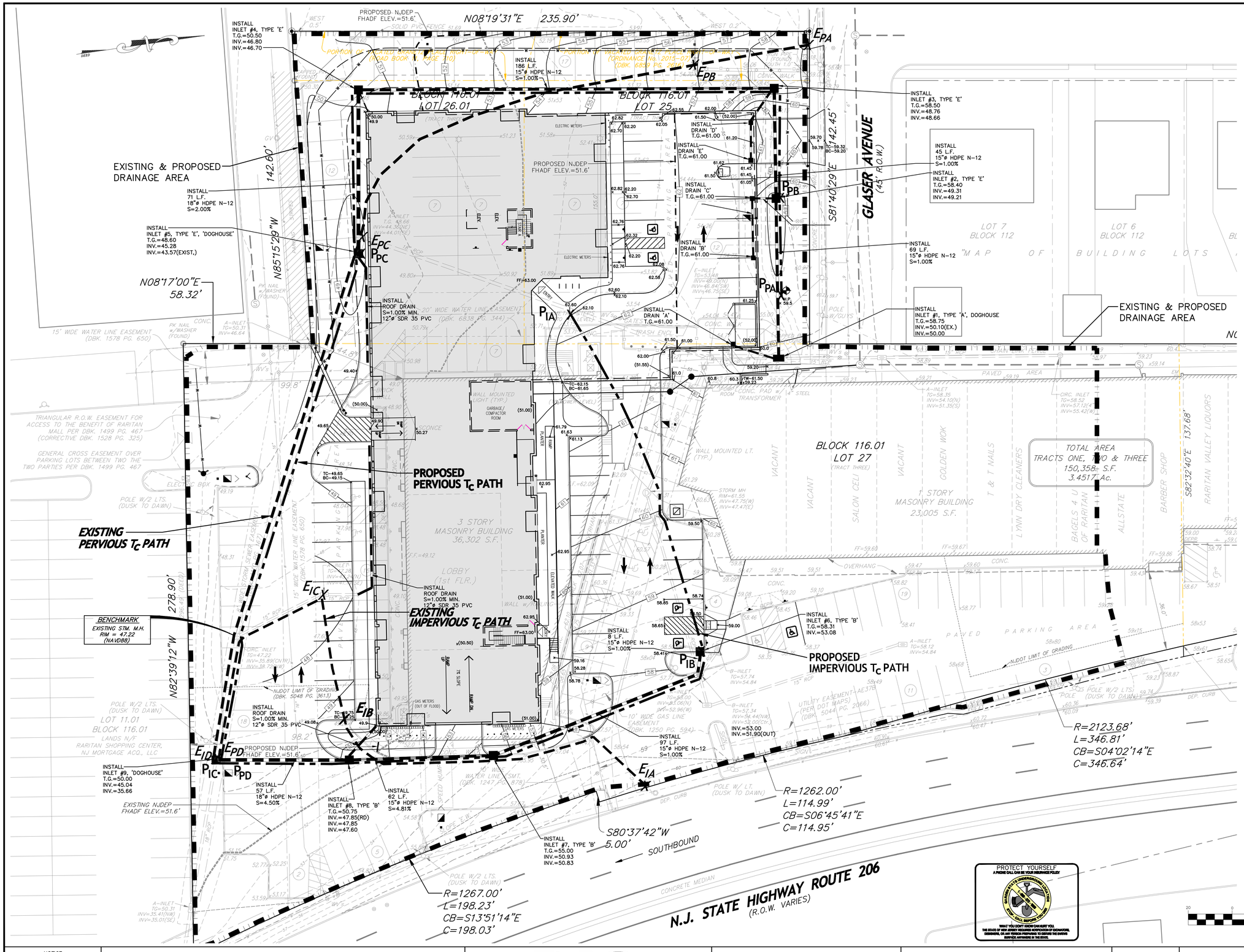

METHOD 1 DETERMINATION

FLOOD HAZARD AREA DESIGN FLOOD ELEVATION IS DETERMINED TO BE ELEV. = 51.6' NAVD88 BASED ON THE STATE STUDY, FLOOD INSURANCE STUDY VOLUME 4 OF 5, DATED NOVEMBER 4, 2016. THE 10 YEAR STORM ELEV. = 44.7'.

DRAINAGE AREA (PARTIAL LOT) = 116,705 S.F.

IMPERVIOUS EXISTING = 102,383 S.F.
IMPERVIOUS PROPOSED = 93,373 S.F.

PERVIOUS EXISTING = 14,322 S.F.
PERVIOUS PROPOSED = 23,332 S.F.

ROOF AREA EXISTING = 27,007
ROOF AREA PROPOSED = 37,888

MOTOR VEHICLE SURFACE AREA EXISTING = 64,249 S.F.
MOTOR VEHICLE SURFACE AREA PROPOSED = 43,942 S.F.

THE SOILS ON SITE ARE AS FOLLOWS:

BhnB – BIRDSBORO SILT LOAM (B)
BoyAt – BOWMANSVILLE SILT LOAM (BID)

⊕ – SOIL COMPACTION TEST LOCATION

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NOTICE

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DATE	REVISION	BY

DAS
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GEORGE H. FOLK
PROFESSIONAL ENGINEER
N.J. LICENSE No. 35258
DATE 2/6/23
CAUTION: If this document does not contain the raised impression seal of the professional, it is not an authorized original document and may have been altered.
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DESIGNED BY: GHF
DRAWN BY: SMT
CHECKED BY: GHF
SCALE: 1" = 20'

DRAINAGE AREA MAP

LOTS 25, 26.01, 27 & 27.01 BLOCK 116.01
LOT 3 BLOCK 112
BOROUGH OF RARITAN SOMERSET COUNTY NEW JERSEY

PROJECT No. 15147
SHEET NUMBER 1 OF 1

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