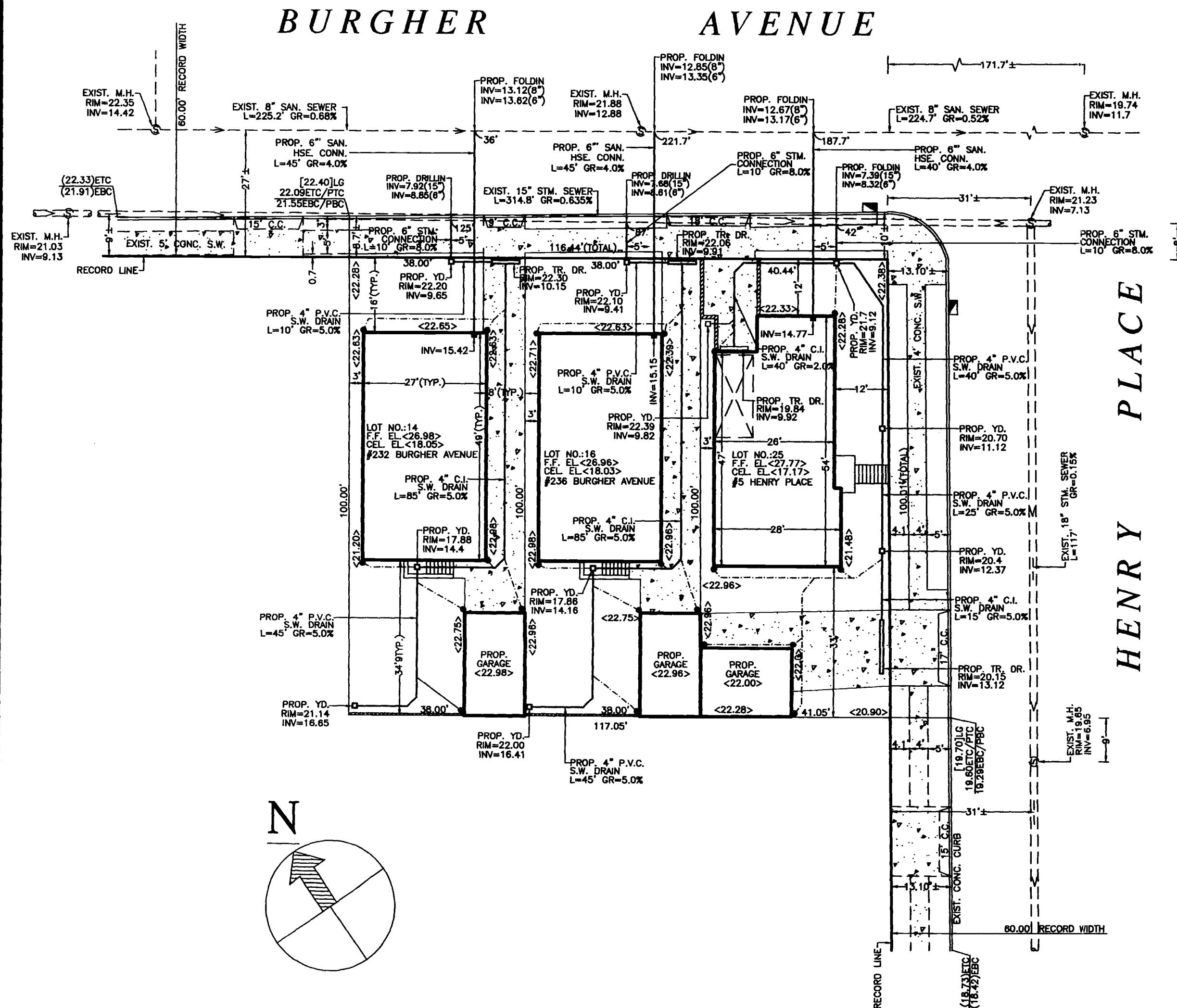


PROPOSED FINISHED GRADES SHOWN THIS <>
 EXISTING ELEVATIONS SHOWN THIS ()
 LEGAL GRADES SHOWN THIS []
 P.T.C. - PROPOSED TOP OF CURB ELEVATION
 P.B.C. - PROPOSED BOTTOM OF CURB ELEVATION
 L.G. - LEGAL GRADE (AS ESTABLISHED BY THE CITY OF NEW YORK)
 X.H.C.L. - EXTRA HEAVY CAST IRON PIPE
 E.S.V.P. - EXTRA STRENGTH VITRIFIED CLAY PIPE
 R.C.P. - REINFORCED CONCRETE PIPE
 P.V.C. - POLYVINYL CHLORIDE PIPE, SCHEDULE 40
 D.I.P. - DUCTILE IRON PIPE, CLASS 50
 --- SURFACE STORM WATER FLOW

STANDARD NOTES:
 MATERIAL NOTE:
 THE PIPE AND BEDDING MATERIAL FOR THE PROPOSED CONNECTIONS SHALL CONFORM TO STANDARD N.Y.C.D.E.P. SPECIFICATIONS.
 DEVELOPMENT NOTE:
 THE OWNERS PROPERTY SHOWN HEREON IS DEVELOPED WITH (3) ONE FAMILY HOMES, "TIE SHIPLET".
 SANITARY OUTLET:
 THE SANITARY DRAINS SHOWN HEREON ARE TRIBUTARY TO THE MUNICIPAL SEWAGE TREATMENT PLANT AT OAKWOOD BEACH.
 STORM WATER NOTE:
 STORM WATER RUNOFF FROM THE OWNERS PROPERTY SHOWN HEREON SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL LAW NO. 103/86.
 DATUM NOTE:
 ELEVATIONS SHOWN HEREON ARE IN MAND 86 AS ESTABLISHED BY THE U.S. COAST & GEODETIC SURVEY AT SANDY HOOK, N.J.

DEPT BLDGS Job No. 520273007
 Scan Code ESHS0518030

SPECIAL NOTES:
 1. THIS PLAN IS A COMPILED OF INFORMATION TAKEN FROM VARIOUS UTILITY COMPANIES, N.Y.C.D.E.P., N.Y.C.D.O.B. AND SURVEY RECORDS. THIS OFFICE TAKES NO RESPONSIBILITY FOR THEIR ACCURACY OR CORRECTNESS. ALL UTILITIES SHOULD BE PROPERLY LOCATED BY THEIR RESPECTIVE COMPANIES BEFORE ANY EXCAVATION COMMENCES.
 2. SEE SURVEY PREPARED BY ROGERS SURVEYING, PLLC FOR EXISTING FIELD CONDITIONS, METES AND BOUNDS THIS OFFICE TAKES NO RESPONSIBILITY FOR THEIR ACCURACY OR CORRECTNESS.

CALCULATIONS (LOTS:14,16)

AREA = 3800 ϕ = 0.087 AC, ZONE = R3-X, MAP-27a
 SANITARY

Qavg. = $\frac{0.087(50)(150)}{7.48(86400)} = 0.001$ CFS
 PEAK FLOW FACTOR = 4
 Qpeak = $4(0.001) = 0.004$ CFS
 PROVIDE 6" SANITARY CONN. @ 4.0%
 CAPACITY = 1.13 CFS
 1.13 CFS > 0.004 CFS $\therefore$ ADEQUATE

(LOTS:14)

OUTLET = 8" SAN. SEWER @ 0.68%
 CAPACITY = 1.0 CFS
 1.0 CFS > 0.004 CFS $\therefore$ ADEQUATE

(LOTS:16)

OUTLET = 8" SAN. SEWER @ 0.52%
 CAPACITY = 0.88 CFS
 0.88 CFS > 0.004 CFS $\therefore$ ADEQUATE

(LOTS:14,16)

STORM

Qallowable
 QALL = $5.95(0.6)(0.087) = 0.31$ CFS

Qactual

ROOF = 1313 ϕ = 0.030 AC x 0.95 = 0.0285
 Cw PAVT = 720 ϕ = 0.017 AC x 0.85 = 0.0145
 GRASS = 1767 ϕ = $\frac{0.040}{0.087}$ AC x 0.20 = $\frac{0.0080}{0.0510}$
 Cw = $\frac{0.0510}{0.087} = 0.586$
 QACT = $5.95(0.586)(0.087) = 0.30$ CFS < QALL, 0.31 CFS
 PROVIDE 6" S.W. CONN. @ 8.0%
 CAPACITY = 1.60 CFS
 1.60 CFS > 0.31 CFS $\therefore$ ADEQUATE
 OUTLET = 15" R.C.P. STORM SEWER @ 0.635%
 CAPACITY = 5.15 CFS
 5.15 CFS > 0.31 CFS $\therefore$ ADEQUATE

CALCULATIONS (LOT:25)

AREA = 4105 ϕ = 0.094 AC, ZONE = R3-X, MAP-27a
 SANITARY

Qavg. = $\frac{0.094(50)(150)}{7.48(86400)} = 0.001$ CFS
 PEAK FLOW FACTOR = 4
 Qpeak = $4(0.001) = 0.004$ CFS
 PROVIDE 6" SANITARY CONN. @ 4.0%
 CAPACITY = 1.13 CFS
 1.13 CFS > 0.004 CFS $\therefore$ ADEQUATE
 OUTLET = 8" ESVP SAN. SEWER @ 0.52%
 CAPACITY = 0.88 CFS
 0.88 CFS > 0.004 CFS $\therefore$ ADEQUATE

STORM

Qallowable

QALL = $5.95(0.6)(0.094) = 0.34$ CFS

Qactual

ROOF = 1367 ϕ = 0.031 AC x 0.95 = 0.0295
 Cw PAVT = 583 ϕ = 0.013 AC x 0.85 = 0.0111
 GRASS = 2155 ϕ = $\frac{0.050}{0.094}$ AC x 0.20 = $\frac{0.0100}{0.0506}$
 Cw = $\frac{0.0506}{0.094} = 0.538$
 QACT = $5.95(0.538)(0.094) = 0.30$ CFS < QALL, 0.34 CFS
 PROVIDE 6" S.W. CONN. @ 8.0%
 CAPACITY = 1.60 CFS
 1.60 CFS > 0.34 CFS $\therefore$ ADEQUATE
 OUTLET = 15" R.C.P. STORM SEWER @ 0.635%
 CAPACITY = 5.15 CFS
 5.15 CFS > 0.34 CFS $\therefore$ ADEQUATE

HCR- /17

REVISION	DESCRIPTION	DATE
SRA PLANNING & EXPEDITING CORP. ENGINEERING & INSPECTION SERVICES/EXPEDITING 151 INDUSTRIAL LOOP, SUITE 103, STATEN ISLAND, N.Y. 10309 PHONE:(718)966-0334/EMAIL:SRAPLANNING@YAHOO.COM		
PROJECT TITLE: PROPOSED SANITARY & STORM WASTE WATER DISPOSAL PLAN AT: 232,236 BURGHIER AVENUE AND 5 HENRY PLACE STATEN ISLAND, NEW YORK 10305 BLOCK No.3330, LOT No.: 14,16,25		
OWNER: FAS BUILDING CORP. 111 STORER AVENUE STATEN ISLAND, NY 10309		SEAL & SIGNATURE
DRAWN BY: J.C.	CHECKED BY: W.M.	B-SCAN STICKER D.O.B. STD. INFO C-1001.00
DATE: 01/05/17	PROJECT NO.: 0269	
SCALE: 1" = 20'	SHEET NO.: 1 OF 1	