

- SURVEY REFERENCE:
 - PROPERTY KNOWN AS LOTS 21, 22 & 23 IN BLOCK 21 ON SHEET NO. 22 OF THE CURRENT TAX MAP OF THE TOWNSHIP OF MAHWAH.
 - A MAP ENTITLED "BOUNDARY SURVEY FOR JOHN A. MERRILL, 1 FYKE ROAD" PREPARED BY PETER C. KIRCH, PLS, DATED 11/29/16 AND LAST REVISED 11/29/18.
 - A MAP ENTITLED "PHASE 3B FINAL SUBDIVISION PLAT, RIO VISTA - MAHWAH" FILED IN THE BERGEN COUNTY CLERK'S OFFICE ON MARCH 31, 1993 AS MAP NUMBER 8838.
 - A MAP ENTITLED "SURVEY FOR VERA K. ALKER & RITA K. WHITE" PREPARED BY RUDOLPH SCHWEIZER, CIVIL ENGINEER, DATED MAY 29, 1942.
 - A MAP ENTITLED "MINOR SUBDIVISION LOT 1 BLOCK 21.03 FOR DARLINGTON ASSOCIATES" PREPARED BY CONKLIN ASSOCIATES DATED OCTOBER 25, 1994, LAST REVISED SEPT. 28, 1996, UNFILED.
 - A MAP ENTITLED "FINAL PLAT MAJOR SUBDIVISION LOT 24.02 - BLOCK 21" FILED IN THE BERGEN COUNTY CLERK'S OFFICE ON NOVEMBER 8, 2007 AS MAP NO. 9478.
 - A FIELD SURVEY BY SCHWANEWEDE/HALS ENGINEERING CO. ON 09/20/16.
 - A DEED AT BOOK 6796-PAGE 702
 - A DEED AT BOOK 6787-PAGE 471
 - A DEED AT BOOK 2377-PAGE 383
 - ORDINANCE NO. 273-VACATION OF PUBLIC RIGHTS IN FYKE ROAD-ADOPTED SEPTEMBER 12, 1963.
- TOTAL LOT AREA: LOT 21, 22, & 23 = 230,606 S.F.; 5.294 ACRES.
- TOPOGRAPHY FROM NJ HIGHLANDS COUNCIL 2006-2007 LIDAR DATA AND GROUND SURVEY PERFORMED BY SCHWANEWEDE/HALS ENGINEERING.
- ELEVATIONS BASED ON NAVD88. ELEVATIONS MAY BE CONVERTED TO NGVD29 USING THE FOLLOWING FORMULA: NGVD29 = NAVD88 + 1.02 FT.
- FRESHWATER WETLANDS LINE AS FLAGGED BY WANDER ECOLOGICAL CONSULTANTS AND SURVEY LOCATED BY SCHWANEWEDE/HALS ENGINEERING.
- NOTE: THE STATE OF NEW JERSEY HAS DETERMINED THAT ALL OR A PORTION OF THIS LOT LIES IN A FLOOD HAZARD AREA AND/OR RIPARIAN ZONE. CERTAIN ACTIVITIES IN FLOOD HAZARD AREAS AND RIPARIAN ZONES ARE REGULATED BY THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SOME ACTIVITIES MAY BE PROHIBITED ON THIS SITE OR MAY FIRST REQUIRE A FLOOD HAZARD AREA PERMIT. CONSULT WWW.NJ.GOV/DEP/LANDUSE OR CONTACT THE DIVISION OF LAND USE REGULATION AT (609) 777-0454 FOR MORE INFORMATION PRIOR TO ANY CONSTRUCTION ONSITE."
- FLOOD HAZARD AREA WAS DETERMINED USING METHOD 6 IN ACCORDANCE WITH NJAC 7:134-3.6.
- THE WIDTH OF THE RIPARIAN ZONE OF THE STATE OPEN WATERS ON THE SITE IS 150 FEET MEASURED FROM THE TOP OF BANK.
- STATE PLANE COORDINATES AT THE APPROXIMATE CENTER OF THE SITE ARE X(E):576,335 Y(N):815,600

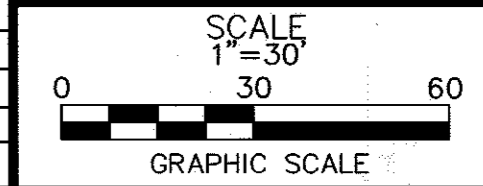
EXISTING DRAINAGE AREA MAP
BLOCK 21
LOTS 21, 22, 23
FYKE BROOK ESTATES
 TOWNSHIP OF MAHWAH, BERGEN CO., N.J.

SCHWANEWEDE / HALS ENGINEERING
 PROFESSIONAL ENGINEERS & LAND SURVEYORS
 9 POST ROAD - SUITE M11 - OAKLAND, N.J. - 07436
 (201) 337-0053

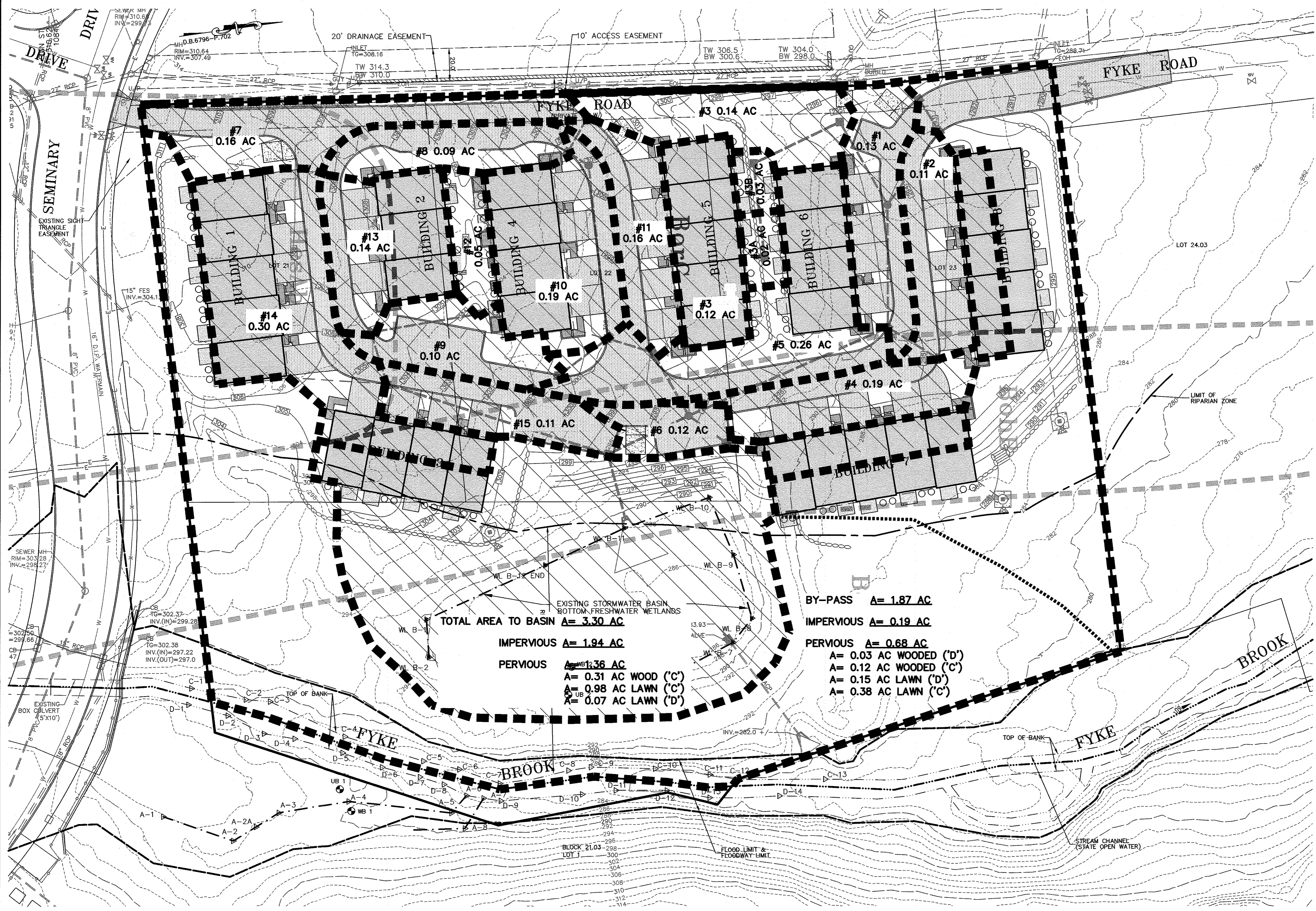
John
DAVID A. HALS, PE, LS, PP
 N.J. PROFESSIONAL ENGINEER AND
 LAND SURVEYOR LIC. NO. 29994

JOSEPH F. VINCE, PE, LS, PP
 N.J. PROFESSIONAL ENGINEER AND
 LAND SURVEYOR LIC. NO. 042588

DATE	BY	DESCRIPTION



DATE: JULY 31, 2020
 JOB NO: 7944-2201
 SHEET NO: 1 OF 2



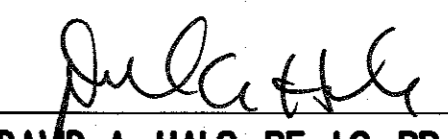
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9. STATE PLANE COORDINATES AT THE APPROXIMATE CENTER OF THE SITE ARE X(E):576,335 Y(N):815,600


BY-PASS **A= 1.87 AC**
 IMPERVIOUS **A= 0.19 AC**
 PERVIOUS **A= 0.68 AC**
 A= 0.03 AC WOODED ('D')
 A= 0.12 AC WOODED ('C')
 A= 0.15 AC LAWN ('D')
 A= 0.38 AC LAWN ('C')

TOTAL AREA TO BASIN **A= 3.30 AC**
 IMPERVIOUS **A= 1.94 AC**
 PERVIOUS **A= 1.36 AC**
 A= 0.31 AC WOOD ('C')
 A= 0.98 AC LAWN ('C')
 A= 0.07 AC LAWN ('D')

PROPOSED DRAINAGE AREA MAP
BLOCK 21
LOTS 21, 22, 23
FYKE BROOK ESTATES
 TOWNSHIP OF MAHWAH, BERGEN CO., N.J.

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JOSEPH F. VINCE, PE, LS, PP
 N.J. PROFESSIONAL ENGINEER AND
 LAND SURVEYOR LIC. NO. 0842588

DATE	BY	DESCRIPTION
2-09-21	SN	2. NIDEP COMMENTS
12-23-20	SN	1. NIDEP COMMENTS

SCALE
 1" = 30'
 0 30 60
 GRAPHIC SCALE

DATE: JULY 31, 2020
 JOB NO: 7944-2201
 SHEET NO: 2 OF 2