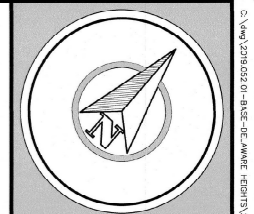
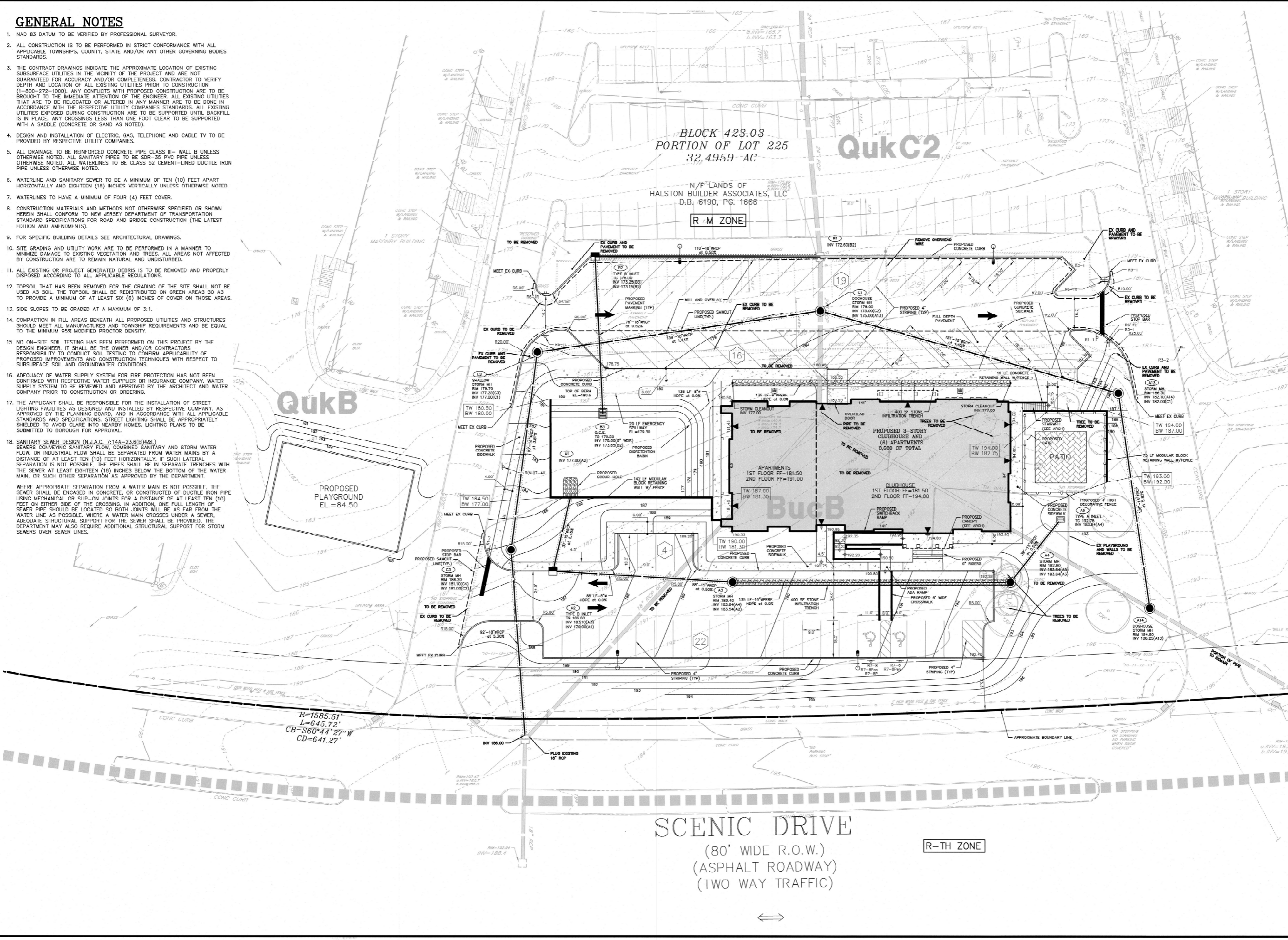


**GENERAL NOTES**

- NAD 83 DATUM TO BE VERIFIED BY PROFESSIONAL SURVEYOR.
- ALL CONSTRUCTION IS TO BE PERFORMED IN STRICT CONFORMANCE WITH ALL APPLICABLE TOWNSHIPS, COUNTY, STATE AND/OR ANY OTHER GOVERNING BODIES STANDARDS.
- THE CONTRACT DRAWINGS INDICATE THE APPROXIMATE LOCATION OF EXISTING SUBSURFACE UTILITIES IN THE VICINITY OF THE PROJECT AND ARE NOT GUARANTEED FOR ACCURACY AND/OR COMPLETENESS. CONTRACTOR TO VERIFY DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION (1-800-272-1000). ANY CONFLICTS WITH PROPOSED CONSTRUCTION ARE TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. ALL EXISTING UTILITIES THAT ARE TO BE RELOCATED OR ALTERED IN ANY MANNER ARE TO BE DONE IN ACCORDANCE WITH THE RESPECTIVE UTILITY COMPANIES STANDARDS. ALL EXISTING UTILITIES EXPOSED DURING CONSTRUCTION ARE TO BE SUPPORTED UNTIL BACKFILL IS IN PLACE. ANY CROSSINGS LESS THAN ONE FOOT CLEAR TO BE SUPPORTED WITH A SADDLE (CONCRETE OR SAND AS NOTED).
- DESIGN AND INSTALLATION OF ELECTRIC, GAS, TELEPHONE AND CABLE TV TO BE PROVIDED BY RESPECTIVE UTILITY COMPANIES.
- ALL DRAINAGE TO BE REINFORCED CONCRETE PIPE CLASS III- WALL B UNLESS OTHERWISE NOTED. ALL SANITARY PIPES TO BE SDR 35 PVC PIPE UNLESS OTHERWISE NOTED. ALL WATERLINES TO BE CLASS 52 CEMENT-LINED DUCTILE IRON PIPE UNLESS OTHERWISE NOTED.
- WATERLINE AND SANITARY SEWER TO BE A MINIMUM OF TEN (10) FEET APART HORIZONTALLY AND EIGHTEEN (18) INCHES VERTICALLY UNLESS OTHERWISE NOTED.
- WATERLINES TO HAVE A MINIMUM OF FOUR (4) FEET COVER.
- CONSTRUCTION MATERIALS AND METHODS NOT OTHERWISE SPECIFIED OR SHOWN HEREIN SHALL CONFORM TO NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (THE LATEST EDITION AND AMENDMENTS).
- FOR SPECIFIC BUILDING DETAILS SEE ARCHITECTURAL DRAWINGS.
- SITE GRADING AND UTILITY WORK ARE TO BE PERFORMED IN A MANNER TO MINIMIZE DAMAGE TO EXISTING VEGETATION AND TREES. ALL AREAS NOT AFFECTED BY CONSTRUCTION ARE TO REMAIN NATURAL AND UNDISTURBED.
- ALL EXISTING OR PROJECT GENERATED DEBRIS IS TO BE REMOVED AND PROPERLY DISPOSED ACCORDING TO ALL APPLICABLE REGULATIONS.
- TOPSOIL THAT HAS BEEN REMOVED FOR THE GRADING OF THE SITE SHALL NOT BE USED AS SOIL. THE TOPSOIL SHALL BE REDISTRIBUTED ON GREEN AREAS 30 TO 35 FEET TO PROVIDE A MINIMUM OF AT LEAST SIX (6) INCHES OF COVER ON THOSE AREAS.
- SIDE SLOPES TO BE GRADED AT A MAXIMUM OF 3:1.
- COMPACTION IN FILL AREAS BENEATH ALL PROPOSED UTILITIES AND STRUCTURES SHOULD MEET ALL MANUFACTURERS AND TOWNSHIP REQUIREMENTS AND BE EQUAL TO THE MINIMUM 95% MODIFIED PROCTOR DENSITY.
- NO ON-SITE SOIL TESTING HAS BEEN PERFORMED ON THIS PROJECT BY THE DESIGN ENGINEER. IT SHALL BE THE OWNER AND/OR CONTRACTORS RESPONSIBILITY TO CONDUCT SOIL TESTING TO CONFIRM APPLICABILITY OF PROPOSED IMPROVEMENTS AND CONSTRUCTION TECHNIQUES WITH RESPECT TO SURFACE SOIL AND GROUNDWATER CONDITIONS.
- ADEQUACY OF WATER SUPPLY SYSTEM FOR FIRE PROTECTION HAS NOT BEEN CONFIRMED WITH RESPECTIVE WATER SUPPLIER OR INSURANCE COMPANY. WATER SUPPLY SYSTEM TO BE REVIEWED AND APPROVED BY THE ARCHITECT AND WATER COMPANY PRIOR TO CONSTRUCTION OR ORDERING.
- THE APPLICANT SHALL BE RESPONSIBLE FOR THE INSTALLATION OF STREET LIGHTING FACILITIES AS DESIGNED AND INSTALLED BY RESPECTIVE COMPANY, AS APPROVED BY THE PLANNING BOARD, AND IN ACCORDANCE WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS. STREET LIGHTING SHALL BE APPROPRIATELY SHIELDED TO AVOID CLARE INTO NEARBY HOMES. LIGHTING PLANS TO BE SUBMITTED TO BOROUGH FOR APPROVAL.
- SANITARY SEWER DESIGN (N.J.A.C. 7:14A-23.8(d)(4)(i)) SEWERS CONVEYING SANITARY FLOW, COMBINED SANITARY AND STORM WATER FLOW, OR INDUSTRIAL FLOW SHALL BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST TEN (10) FEET HORIZONTALLY. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE, THE PIPES SHALL BE IN SEPARATE TRENCHES WITH THE SEWER AT LEAST EIGHTEEN (18) INCHES BELOW THE BOTTOM OF THE WATER MAIN, OR SUCH OTHER SEPARATION AS APPROVED BY THE DEPARTMENT.

WHERE APPROPRIATE SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER SHALL BE ENCASED IN CONCRETE, OR CONSTRUCTED OF DUCTILE IRON PIPE USING MECHANICAL OR SLIP-ON JOINTS FOR A DISTANCE OF AT LEAST TEN (10) FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE WATER LINE AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER SHALL BE PROVIDED. THE DEPARTMENT MAY ALSO REQUIRE ADDITIONAL STRUCTURAL SUPPORT FOR STORM SEWERS OVER SEWER LINES.



HORIZONTAL DATUM : NAD 83  
**GRAPHIC SCALE**  
  
 SCALE: 1"=20'  
 REVISIONS

THIS DRAWING IS FOR PERMIT PURPOSES ONLY  
 NOT FOR CONSTRUCTION UNTIL THIS BOX HAS BEEN CHECKED AND DATED  
 CHECK BY: \_\_\_\_\_ DATE: \_\_\_\_\_

THE STATE OF NEW JERSEY REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DIG THE EARTH'S SURFACE ANYWHERE IN THE STATE.

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 Certificate of Authorization : 240A27901900

**DELAWARE HEIGHTS**  
 TOWNSHIP OF EWING  
 MERCER COUNTY  
 NEW JERSEY

BLOCK 423.03  
 LOT 225  
 TAX MAP SHEET 97  
 32.4959 ACRES

**ENGINEERING SITE PLAN**

DRAWN BY: \_\_\_\_\_ DP  
 DESIGNED BY: \_\_\_\_\_ CS  
 APPROVED BY: \_\_\_\_\_ ST  
 THIS WORK PREPARED UNDER MY SUPERVISION  
  
 SCOTT H. TURNER  
 PROFESSIONAL ENGINEER  
 N.J.P.E.# 43811  
 PROJECT NUMBER: 2019.02.01 SP-1  
 DATE OF ISSUE: JUNE 17, 2022  
 REVISION: \_\_\_\_\_ 5