

INSET  
SCALE: 1"=30'

**UTILITY NOTES**

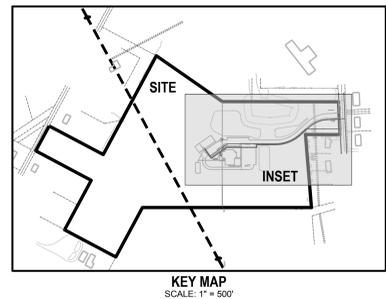
- EXISTING WATER & SEWER SERVICE LINES TO THE BUILDING SHALL BE MAINTAINED AND UTILIZED.
- ALL CONSTRUCTION, MATERIALS, RESTORATIONS AND METHODS OF INSTALLATION IN BOROUGH ROADS SHALL BE SUBJECT TO THE REQUIREMENTS AND APPROVAL OF THE BOROUGH ENGINEER.
- WHEREVER THE TRENCH BOTTOM DOES NOT AFFORD SUFFICIENT BEARING STRENGTH TO SUSTAIN THE WEIGHT OF THE PIPE AND SUPERIMPOSED LOADS, IT SHALL BE OVER EXCAVATED AND STABILIZED WITH A 12 INCH THICK MINIMUM LAYER OF DENSE GRADED AGGREGATE (DGA).
- THE CONTRACTOR SHALL PAY ALL STREET OPENING FEES AND GIVE NOTICES NECESSARY FOR AND INCIDENTAL TO THE DUE AND LAWFUL EXECUTION OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BEFORE EXCAVATION.
- NO MATERIALS SHALL BE PLACED NOR ANY DISTURBANCE PERMITTED BEYOND THE PROJECT PROPERTY LINE WITHOUT THE WRITTEN PERMISSION OF THE PROPERTY OWNER DIRECTLY INVOLVED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING, PAVING, TOPSOILING, SOODING, FERTILIZING AND SEEDING ALL AREAS DISTURBED BY HIS ACTIVITIES. ROAD PAVEMENT, REPLACEMENT, AND ALL RESTORATION IN BOROUGH ROADS SHALL MEET THE REQUIREMENTS OF THE BOROUGH ENGINEER.
- INSPECTION OF, OR FAILURE TO INSPECT ANY MATERIALS OR WORKMANSHIP BY STATE, COUNTY OR BOROUGH OFFICIALS SHALL IN NO WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES TO PERFORM THE WORK IN ACCORDANCE WITH APPLICABLE PLANS, SPECIFICATIONS AND LAWS.
- PRIOR TO CONSTRUCTION, ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE APPROVED BY THE SOIL CONSERVATION DISTRICT IN COMPLIANCE WITH CHAPTER 261 OF THE PUBLIC LAWS OF 1974. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED OR THE AREA IS STABILIZED IN ACCORDANCE WITH THE SOIL CONSERVATION DISTRICT'S RECOMMENDATIONS.
- ALL UTILITIES INCLUDING ELECTRIC, TELEPHONE AND CABLE TELEVISION SHALL BE UNDERGROUND.
- ALL WATER PIPING 4" AND LARGER SHALL BE CLASS 20 CEMENT LINED DUCTILE IRON PIPE WITH PUSH-ON JOINTS. WATER PIPING SMALLER THAN 3" SHALL BE TYPE "K" SOFT TEMPER COPPER TUBING WITH FLARED FITTINGS. WATER PIPING SHALL BE DISINFECTED BY CONTACT WITH A CHLORINE SOLUTION NOT LESS THAN 50 PPM FOR NOT LESS THAN 24 HOURS.
- ALL WATER PIPING TO BE PLACED AT A MINIMUM FINAL COVERAGE DEPTH OF 42" MAXIMUM 48".
- ALL WATER MAINS AND SANITARY OR INDUSTRIAL SEWER LINES SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF 10 FEET IF SUCH LATERAL SEPARATION IS NOT POSSIBLE. THE WATER AND SEWER LINES SHALL BE IN SEPARATE TRENCHES (STEP TRENCHES ARE PROHIBITED) WITH THE TOP OF THE SEWER LINE AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN OR WITH SUCH OTHER SEPARATION EXPRESSLY APPROVED BY THE SEWER AUTHORITY. AT CROSSINGS OF SEWER LINES AND WATER MAINS, THE TOP OF THE SEWER LINES SHALL BE AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN. SEWER SERVICE LATERALS ARE NOT SUBJECT TO THIS REQUIREMENT. IF SUCH VERTICAL SEPARATION IS NOT POSSIBLE, THE SEWER LINE SHALL BE OF WATER TIGHT CONSTRUCTION (THAT IS, DUCTILE IRON OR REINFORCED CONCRETE PIPE) WITH WATER TIGHT JOINTS THAT ARE A MINIMUM OF 10 FEET FROM THE WATER MAIN.
- A SITE SUPERVISOR SHALL BE DESIGNATED BY THE CONTRACTOR DURING THE FULL SPAN OF SITE IMPROVEMENTS. PER BOCA CODE REQUIREMENTS, SAID SUPERVISOR SHALL BE RESPONSIBLE FOR ALL SITE SAFETY.
- PVC SEWER PIPE SHALL BE SDR-35 FOR PIPE DEPTHS OF 0'-12"(FEET), FOR DEPTHS GREATER THAN 12"(20'FEET), SDR-26 SHALL BE USED AND FOR DEPTHS GREATER THAN 20'(FEET) DUCTILE IRON PIPE (DIP) SHALL BE USED.
- A SITE SUPERVISOR SHALL TEST POTENTIAL CONFLICTS WITH EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION TO VERIFY CLEARANCE OF PROPOSED DRAINAGE & UTILITY INSTALLATION.

**GENERAL NOTES**

- ALL DRAWINGS IN THIS PLAN SET ARE MADE PART OF THIS RECORD PLAN AND ALL INFORMATION SHOWN HEREON SHALL BE CONSIDERED APPLICABLE FOR THE COMPLETION OF THIS PROJECT. INDIVIDUAL PLANS SHALL NOT BE USED SINCE THEY CONSTITUTE ONLY A PART OF THE COMPLETE SET OF PLANS FOR THIS PROJECT.
- IT IS IMPERATIVE THAT UTILITY COMPANIES ARE NOTIFIED PRIOR TO ANY EXCAVATION AND/OR CONSTRUCTION. CALL 1-800-272-1000 TO ORDER MARK-OUTS.
- IT IS IMPERATIVE THAT THE PROPOSED UNDERGROUND UTILITY CONNECTIONS BE MADE STARTING AT THE MOST DOWNSTREAM END AND THAT THE LOCATION AND DEPTH OF THE EXISTING UNDERGROUND UTILITIES BE VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL ENSURE THE DOWNSTREAM UTILITY CONNECTIONS CAN BE MADE AND ARE CONSTRUCTED PRIOR TO INSTALLATION OF ANY OTHER PORTIONS OF THE SYSTEM. TEST PITS SHALL BE DUG AT THE DISCRETION OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER OF ANY CONFLICTS BETWEEN EXISTING AND OR PROPOSED UTILITY CONNECTIONS AND CROSSINGS. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT DOWNSTREAM UTILITY CONNECTIONS CAN BE MADE AS PROPOSED AND TO THE SATISFACTION OF THE ENGINEER.
- LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN DEVELOPED FROM EXISTING RECORDS AND/OR ABOVE-GROUND OBSERVATIONS AT THE SITE. COMPLETENESS OR ACCURACY OF LOCATIONS AND DEPTH CANNOT BE GUARANTEED. ALL CONTRACTORS AND OTHER PERSONS UTILIZING THIS PLAN AND THE INFORMATION CONTAINED THEREON ARE CAUTIONED THAT EACH INDIVIDUAL USING THIS PLAN MUST VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES AND FACILITIES BEFORE STARTING WORK.
- THE EROSION AND SEDIMENT CONTROL PLAN IS AN INTEGRAL PART OF THE STORM WATER MANAGEMENT SYSTEM DURING CONSTRUCTION OF CERTAIN STAGES. THE EROSION AND SEDIMENT CONTROL PLANS SHALL BE REFERENCED AND USED IN CONJUNCTION WITH THIS DRAWING TO COMPLETE CONSTRUCTION PHASING.
- THE ROUTING OF ALL UTILITIES IS SUBJECT TO ADJUSTMENT TO MEET UTILITY COMPANY REQUIREMENTS AND SPECIFICATIONS OF BUILDING MECHANICAL DESIGN. WHEN BUILDING MECHANICAL DRAWINGS ARE COMPLETE AND UTILITY REQUIREMENTS ARE FINALIZED, NECESSARY ADJUSTMENTS SHALL BE MADE AS PART OF THE PREPARATION OF CONSTRUCTION DOCUMENTS.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS TO REQUEST EXACT FIELD LOCATION OF UTILITIES BEFORE ANY EXCAVATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, UTILITY LOCATIONS, DEPTHS AND INVERTS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN BY THESE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- THE CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS OF ALL UTILITIES ENTERING THE BUILDING, INCLUDING SANITARY SEWER LATERALS, DOMESTIC WATER SERVICE AND FIRE PROTECTION, ELECTRIC, TELEPHONE AND GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND TO ENSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE UTILITY COMPANIES AS TO LOCATION AND SCHEDULING OF CONNECTIONS TO THEIR FACILITIES.
- THE CONTRACTOR SHALL REFERENCE ALL BOROUGH & N.J. SPECIFICATIONS FOR UTILITY MATERIALS AND CONSTRUCTION.
- THE CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED UTILITY FRAMES, COVERS, MANHOLES, VALVE BOXES, ETC. TO BE FLUSH WITH THE PROPOSED SURFACE ELEVATIONS.
- OBSCURE ON-SITE UTILITY SERVICE CONNECTIONS MUST BE REMOVED. REMOVAL OF SERVICE CONNECTIONS SHALL BE COORDINATED WITH THE UTILITY COMPANY AND VERIFIED BY THE CONTRACTOR THAT THEY ARE NO LONGER ACTIVE.
- THE CONTRACTOR TO VERIFY EXISTING UTILITY SERVICES SIZES MEET CLIENT REQUIREMENTS PRIOR TO CONSTRUCTION AND PROVIDE SERVICES IF EXISTING DETERMINED TO BE UNDERSIZED.

**LEGEND**

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|----------------------|----------------------|
| CONC. MONUMENT       | 1" CONTOUR INTERVAL  |
| IRON PIN             | 15' CONTOUR INTERVAL |
| BOLLARD              | CURB                 |
| CLEANOUT             | EDGE OF PAVEMENT     |
| FIRE HYDRANT         | EDGE OF STONE        |
| GAS VALVE            | CHAIN LINK FENCE     |
| GUP WIRE             | VINYL FENCE          |
| 4" INLET             | WIRE FENCE           |
| 8" INLET             | WOOD FENCE           |
| 2" INLET             | GAS LINE             |
| LIGHT POLE           | PROPERTY LINE        |
| MAILBOX              | STORM LINE           |
| SANITARY MANHOLE     | SANITARY LINE        |
| SKIN                 | WOODS LINE           |
| SPOT ELEVATION       |                      |
| STORM MANHOLE        |                      |
| TREE                 |                      |
| UNKNOWN MANHOLE      |                      |
| UTILITY POLE         |                      |
| UTILITY POLE W/LIGHT |                      |
| WATER METER          |                      |
| ELEC. TRANSFORMER    |                      |



REV.	DATE	DESCRIPTION	BY

**UTILITY PLAN**

**SITE PLANS FOR**  
**FIRST BAPTIST CHURCH OF ELMER**  
 PLATE 6, BLOCK 12, LOTS 2.10 & 2.12  
 329 FRONT STREET  
 SITUATED IN THE  
**BOROUGH OF ELMER**  
 COUNTY OF SALEM, STATE OF NEW JERSEY

**SITE CIVIL ENGINEERING**  
 2205 DELSEA DRIVE, SUITE 7  
 FRANKLINVILLE, NEW JERSEY 08322  
 (908) 885-8679  
 FAX (908) 513-6504  
 N.J. CERTIFICATE OF AUTHORIZATION No. GA28188600

FILE NUMBER: 934-2021  
 CHECKED BY: WG  
 DRAWN BY: MPG  
 SCALE: 1"=30'  
 PROJECT NO: 934  
 DATE: NOVEMBER 9, 2022  
 SHEET 7 OF 12

*William P. Gilmore*  
**WILLIAM P. GILMORE, P.E.**  
 NEW JERSEY PROFESSIONAL ENGINEER NO. 2460472100  
 11/09/22 DATE