

SA:2020.208288.Dwg Final Dwg 03-EXISTING.dwg | Tdname: 03 - EXISTING | Nov 25, 2020 - 2:18pm | Johnson

SOIL TYPES:

UfuB - URBAN LAND, 0 TO 8 PERCENT SLOPES
UsB - URBAN LAND-LAWRENCEVILLE COMPLEX, 0 TO 8 PERCENT SLOPES

SOILS RESOLUTIONS

A. SOILS DEEMED UNSUITABLE FOR CONSTRUCTION (e.g., ORGANIC SOILS, OVERLY WET SOILS, BOULDERS, ETC.), SHALL BE TREATED, BLENDED OR MODIFIED UNTIL SUITABLE, OR DISPOSED OF OFF-SITE.

B. SOILS EXHIBITING LOW SHEAR STRENGTH SHALL BE BLENDED WITH OTHER ON-SITE SOILS OR OTHERWISE TREATED UNTIL THEY MEET THE CONTRACT SPECIFICATIONS. ALTERNATIVELY LOW SHEAR STRENGTH SOILS MAYBE DISPOSED OF OFF-SITE.

C. THE ON-SITE SOILS ARE MOISTURE SENSITIVE. WINTER GRADING IS A CONCERN DUE TO THE FINE GRAIN/COHESIVE NATURE OF THE SITE SOILS. FROZEN SOIL SHALL NOT BE USED AS FILL MATERIAL, UNLESS THAWED AND PROVEN ACCEPTABLE FOR USE AS FILL IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.

D. ERODIBLE SOILS EXIST AT THE SITE. SOILS PRONE TO EROSION SHALL BE CONTROLLED BY THE MEASURES AND FACILITIES PRESENTED HEREIN. SUCH SOILS ARE NOT TO BE UTILIZED FOR THE CONSTRUCTION OF DIVERSION BERMS OR SWALES UNLESS MODIFIED TO ACHIEVE PERFORMANCE REQUIREMENTS OF THE INTENDED USE.

INFILTRATION TEST RESULTS

LOCATION	TEST METHOD	LIMITING ZONE (INCHES BELOW GRADE)*	APPROX. TEST DEPTH	ADJUSTED INFILTRATION RATE (IN/HR)
TP-1	DR	60"	36"	7.83"
TP-2	DR	58"	34"	0.38"
TP-3	DR	54"	30"	0.78"

NOTES

- DR = DOUBLE RING INFILTRMETER TEST
 - ADJUSTED INFILTRATION RATE IS AVERAGE CALCULATED RATE AT THE TEST PIT WITH A SAFETY FACTOR OF 2.
 - ALL TESTS WERE PERFORMED DIRECTLY BELOW THE 'A' HORIZON AT EACH PIT TO OBTAIN A MORE REPRESENTATIVE INFILTRATION RATE FOR THE UNDERLYING RESTRICTIVE ZONE.
- * LIMITING ZONE NOT ENCOUNTERED, MEASUREMENT REFERS TO DEPTH OF PIT.

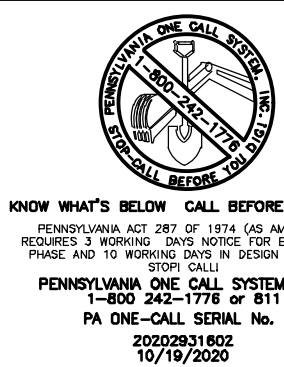
GENERAL NOTES:

- PROPERTY INFORMATION BASED ON A PLAN PREPARED BY J.G. PARKS ASSOCIATES, INC. TITLED "SITE PLAN OF TAX MAP PARCEL 28-004-020" DATED 2/25/02 AND PROPERTY CORNERS RECOVERED BY BOUCHER & JAMES INC ON APRIL 23, 2020.
- PLAN PROPOSED PARKING LOT ADDITIONS. NO ADDITIONAL SEWAGE OR WATER DEMANDS IS PROPOSED FOR THIS PROJECT.
- THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT, ADDITIONAL EASEMENTS AND OR RIGHTS OF WAY MAY EXIST.
- HORIZONTAL DATUM SHOWN HEREON IS BASED ON PA STATE PLANE, SOUTH ZONE. COORDINATE SYSTEM UTILIZING NORTH AMERICAN DATUM OF 1983 (NAD83) AND ARE BASED ON GPS OBSERVATIONS.
- EXISTING FEATURES SHOWN HEREON ARE BASED ON A SURVEY PERFORMED BY BOUCHER AND JAMES, INC. COMPLETED ON APRIL 23, 2020 AND REPRESENTS EXISTING CONDITIONS AT THAT TIME.
- VERTICAL DATUM FOR THIS SURVEY IS BASED ON NAVD 88 OBTAINED BY GPS OBSERVATIONS.
- BOUCHER & JAMES, INC. HAS NOT PERFORMED A VERIFICATION SURVEY TO DETERMINE THE EXISTENCE OF ANY UNDERGROUND UTILITY LINES WHICH MAY NOT HAVE BEEN VISIBLE AT THE TIME OF THE SURVEY.
- ANYONE USING THIS DRAWING FOR CONSTRUCTION IS ADVISED TO CALL 1-800-242-1776 PRIOR TO EXCAVATION IN ACCORDANCE WITH PA ACT NO. 287 OF 1974, AS AMENDED.
- FLOOD PLAIN INFORMATION TAKEN FROM FLOOD INSURANCE RATE MAP, 42017C0431K REVISED MARCH 21, 2017. ZONE X WHICH HAS TRIBUTARY A TO NEWTOWN CREEK
- SHEET 2 THROUGH 13 INCLUSIVE, ON RECORD AT NEWTOWN BOROUGH, SHALL BE CONSIDERED A PART OF THE APPROVED FINAL PLAN AS IF RECORDED WITH SAME."

Written dimensions shall have priority over scaled dimensions. All dimensions, elevations, locations, and conditions, shall be verified by the Contractor prior to construction, and the Owner and Boucher & James, Inc. shall be notified of any discrepancies with the information shown on drawings.

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REVISIONS :

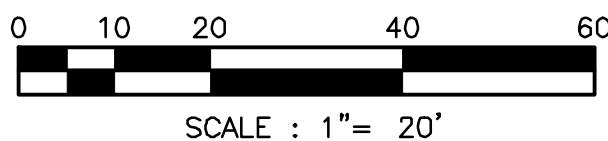
DATE	DESCRIPTION	DATE	DESCRIPTION

PROJECT :

NEWTOWN MEETING OF FRIENDS CHURCH
BOROUGH OF NEWTOWN
BUCKS COUNTY, PA

APPLICANT :

NEWTOWN MEETING OF FRIENDS CHURCH
P.O. BOX 224
NEWTOWN, PA. 18940



JOB NO.:

208288

DRAWN BY:

ELH

CHECKED BY:

KJR

SCALE:

1" = 20'

PLAN STATUS:

PRELIMINARY

TITLE :

EXISTING FEATURES PLAN

Boucher & James, Inc.
CONSULTING ENGINEERS

DOYLESTOWN • BETHLEHEM • STROUDSBURG

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NEWTOWN MEETING OF FRIENDS CHURCH

SHEET

3 OF 13

DATE: NOVEMBER 25, 2020



LOCATION MAP

SCALE: 1"=2000'
SOURCE: LANGHORNE PA USGS QUAD MAP

LEGEND

- ADJOINER LINE
- EXISTING AIR CONDITIONER
- EXISTING BOUNDARY
- EXISTING BUILDINGS
- EXISTING BOLLARD
- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- EXISTING CURBLINE
- EXISTING DRAIN
- EXISTING DOWN SPOUT
- EXISTING DRIVEWAY
- EXISTING ELECTRIC AND STRUCTURES
- EXISTING EDGE OF PAVEMENT
- EXISTING CHAINLINK FENCE
- EXISTING FIRE HYDRANT
- FLOODPLAIN
- EXISTING GAS LINE AND STRUCTURE
- EXISTING IRON PIN/PIPE
- EXISTING MAILBOX
- EXISTING MONUMENT
- EXISTING LEGAL RIGHT-OF-WAY
- EXISTING REBAR
- EXISTING SANITARY SEWER AND MANHOLE
- EXISTING SANITARY LATERAL AND STRUCTURES
- EXISTING SHRUB
- EXISTING SIGN
- EXISTING STORM SEWER AND STRUCTURES
- EXISTING STREAM
- EXISTING SIDEWALK
- EXISTING UTILITY POLE AND GUY WIRE
- EXISTING WATER LINE AND STRUCTURES
- EXISTING WATER SERVICE AND STRUCTURE
- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- SOIL BOUNDARY AND DESIGNATOR
- STORMWATER TEST PIT NUMBER AND LIMITING ZONE
- EXISTING SLOPES 8-15%
- EXISTING SLOPES 15-25%
- EXISTING STEEP SLOPES 25% AND GREATER
- EXISTING EDGE OF PAVEMENT TO BE REMOVED
- EXISTING DECIDUOUS TREE TO BE REMOVED
- EXISTING CONIFEROUS TREE TO BE REMOVED