

(MAIN ST.) S.R. 27A

CAUTION NOTE TO CONTRACTOR

IE CONTRACTOR IS SPÉCIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATIONS ISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARPOUS INTO CONTRACTS. AND WHERE POSSIBLE, MEASUREMENT STAKEN IN THE FIELD. THE PORMATION IS NOT TO BE RELIED ON AS BEING SCACT OR COMPLETE. THE CONTRACTOR STORT CALL THE APPOPRIATE UTILITY COMPANY AT LEAST 46 HOURS BEFORD AT CALLY THE APPOPRIATE UTILITY COMPANY AT LEAST 46 HOURS BEFORD AT CALLY THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING LITTLES WHICH CONDELLY UTILITY THE PLANS.

S PLAN IS BASED ON THE SURVEY PREPARED BY USA MAQUILANN, LIAND SURVEYING, DATED JANUARY 18, 21, UPDATED JULY 21, 2023, THE ARCHITECTURAL SITE PLAN PREPARED BY BOULER PELUGER ARCHITECTS : LOATED SEPTEMBER 15, 2022, SEWER AS-BUILT INFORMATION PROVIDED BY SUFFOLK COUNTY PARTMENT OF PUBLIC WORKS (SCOPPY) AND MEASUREMENTS PERFORMED BY RAM ENGINEERING.

(3) ***** 13.70 11.05 10.55 8.95 8.80 1.50

UTILITY CROSSING NOTES: CONTRACTOR SHALL DIG TEST PITS TO DETERMINE EXACT DEPTH AND ELEVATION OF EXISTING PIPES/UTILITIES PRIOR TO CONSTRUCTING THE IMPROVEMENTS. IF CONFLICT EXISTS, CONTRACTOR

STALL NO INTERIGNEER IMMEDIATELY.
CONTRACTOR SHALL MAINTAIN A MINIMUM 18"
VERTICAL CLEARANCE BETWEEN PIPES AT ALL
CROSSINGS. IF 18" VERTICAL CLEARANCE CANNOT
ACHIEVED, CONTRACTOR SHALL NOTIFY ENGINEER
IMMEDIATELY.

SITE DATA

DIST. 0500, SECT. 419, BLK. 01, LOT 21 SCTM: LOT AREA: 12,973.73 SF (0.298 AC)

BUSINESS DISTRICT (BD)

9,619 SF SUFFOLK COUNTY WATER AUTHORITY (SCWA) SOUTHWEST SEWER DISTRICT (SD-3) BAY SHORE, 11706 BAY SHORE

SCHOOL DISTRICT: GROUNDWATER ZONE: PREVIOUS SCDHS REF. No

PREVIOUS SCDPW REF. No. DATUM:

*BASED ON ELEVATIONS FROM SOUTHWEST SEWER DISTRICT "ZONE II LATERAL SEWERS, SEWER PLAN & PROFILE, EASEMENTS NO. 1, 2, 3 AND 4", SHEET 24 OF 40, DATED OCTOBER, 1973

SANITARY ANALYSIS

SANITARY DESIGN FLOW

GROUNDWATER MANAGEMENT ZONE VII (600 GPD/Ac)
TOTAL LOT AREA = 12,973.73 SF (0.298 Ac)
ALLOWABLE FLOW = 0.298 Ac X 600 GPD = 178.7 GPD

EXISTING SANITARY FLOW

DRY STORE (BLAST FROM THE PAST) 1,470 SF x 0.03 GPD/SF = WET STORE (THE BEAUTY CONNECT) 1,028 SF x 0.03 GPD/SF 30.8 GPD 985 SF x 0.03 GPD/SF = 29.6 GPD 3,667 SF x 0.10 GPD/SF = 366.7 GPD 2,469 SF x 0.10 GPD/SF = 246.9 GPD WET STORE (K&D AFRICAN HAIR BRAI MEDICAL OFFICE (PHYSICAL THERAPY)
FITNESS CENTER (F45 PERSONAL FITNESS) TOTAL SANITARY FLOW =

PROPOSED SANITARY FLOW

30 SEATS X 10 GPD/SEAT = 300.0 GPD 1,028 SF x 0.03 GPD/SF = 985 SF x 0.03 GPD/SF = WET STORE (K&D AFRICAN HAIR BRAIDING MEDICAL OFFICE (PHYSICAL THERAPY) 3,667 SF x 0.10 GPD/SF = 366.7 GPD 2.469 SF x 0.10 GPD/SF = 246.9 GPD FITNESS CENTER (F45 PERSONAL FITNESS TOTAL SANITARY FLOW = 974.0 GPD

NOTE:
SITE CONNECTED TO SCOPW SOUTHWEST SEWER DISTRICT. SANITARY FLOW CALCULATED AS
PER SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES, DIVISION OF ENVIRONMENTAL
QUALITY, "STANDARDS FOR APPROVAL OF PLANS AND CONSTRUCTION FOR SEWAGE
DISPOSAL SYSTEMS FOR OTHER THAN SINGLE-FAMILY RESIDENCES," LATEST EDITION.

DESIGN FLOW

KITCHEN FLOW

NT 30 SEATS x 20 GPD/SEAT = 600.0 GPD TOTAL KITCHEN FLOW = 600.0 GPD

GREASE TRAP DESIGN

= 600.0 GAL PROPOSED: (1) 8' DIAMETER x 5' LIQUID DEPTH = 1.500 GAL

NOTES:

- 2. EIGHT FOOT (8') DIAMETER'S FIVE FOOT (5') LIQUID DEPTH GREASE TRAP IS BASED ON SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES, DIVISION OF ENVIRONMENTAL QUALITY, "STANDARDS FOR REPROVAL OF PLANS AND CONSTRUCTION FOR SEWAGE DISPOSAL SYSTEMS FOR OTHER THAN SINGLE-FAMILY RESIDENCES."

SANITARY STRUCTURE NOTES

- ALL SANITARY PIPING BEFORE THE GREASE TRAP AND SEWER ACCESS PORT (SAP) SHALL BE 6" DIAMETER CAST IRON PIPE AT 2.0% MINIMUM, UNLESS OTHERWISE STATED ON THE PLANS.
- 2. ALL SANITARY PIPING AFTER THE GREASE TRAP, SANITARY RETENTION AREA (SRA), AND SEWER CCESS PORT (SAP) SHALL BE 6" DIAMETER PVC (SDR-35) AT 2.0% MINIMUM, UNLESS OTHERWISE STATED ON THE PLANS.
- 3. WATER SERVICE PIPING TO MATCH EXISTING PIPE SIZE & MATERIAL
- 4. MINIMUM CLEARANCE BETWEEN WATER LINES AND ANY STRUCTURES IS 10 FEET.
- 5. THERE ARE NO NEIGHBORING WELLS WITHIN 150 FEET OF THE PROPERTY

GENERAL NOTES

- ALL EXISTING STRUCTURES SPECIFIED TO BE REMOVED. SHALL BE REMOVED AND BACKFILLED. BACKFILL TO BE SELECT GRANULAR FILL. COMPACTED TO 95% MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT. AS DETERMINE
- SELECT GRANULAR FILL, COMPACTED TO 95% MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT, AS DETERMINED BY MODIFIED PROCTOR TEST.

 ALL FILL SHALL BE SELECT GRANULAR MATERIAL COMPACTED TO 95% OF THE MAXIMUM DENSITY AT THE OPTIMUM MOISTURE CONTENT, AS DETERMINED BY THE MODIFIED PROCTOR TEST.

 EXISTING UNDERGROUND AND OVERHEAD UTILITIES AS SHOWN HEREIN HAVE BEEN DETERMINED BY STANDARD SURVEYING METHODS AND AVAILABLE RECORDS. NETTHER THE EXACT LOCATION NOR THE INFORMATION OF THE EXISTING UTILITIES ARE GUARANTEED TO BE COMPLETE OR CORRECT. EXACT LOCATIONS SHALL BE DETERMINED IN THE HELD AND SHALL BETHER RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY TO REMOVE ANY EXCAVATED
- MATERIALS.

 UNSUITABLE MATERIAL, AS DEFINED IN SECTION 203 OF N.Y.S.D.O.T. STANDARD SPECIFICATIONS EDITION, UNDER PAVEMENT, WALKS AND CONCRETE SLABS SHALL BE REMOVED AND REPLACED WITH SELECT GRANULAR MATERIAL SELECT GRANULAR MATERIAL SHALL BE AS DEFINED IN SECTION 203 OF THE N.Y.S.D.O.T. STANDARD SPECIFICATIONS. COMPACTION SHALL CONFORM TO N.Y.S.D.O.T. SECTION 203.

 ALL REINFORCED PRECAST CONCRETE STRUCTURES SHALL CONFORM TO THE S.C.D.H.S. STANDARD DETAILS AND
- SPECIFICATIONS.

 10. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL UNSUITABLE MATERIAL AND DEBRIS SHALL BE DISPOSED.
- 10. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT STE. ALL UNSUITABLE MATERIAL AND DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL TOWN, COUNTY, STATE AND FEDERAL LAWS AND APPLICABLE CODES.

 11. CONTRACTOR SHALL FIELD VERIFY EXISTING PAYEMENT ELEVATIONS IN THE THE AREA OF THE NEW SYSTEM PRIOR TO CONSTRUCTING THE MPROVEMENTS. THE NEW RINKINGASTING ELEVATIONS SHALL BE SET AT THE SAME ELEVATION AS THE EXISTING ASPHALT PAYEMENT.

 12. ALL IMPROVEMENTS SHALL BE IN CONTORMANCE WITH THE S.C.D.H.S. REGULATIONS AND SPECIFICATIONS.

 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMIT REQUIREMENTS.

 14. CONTRACTOR SHALL REPLACE ALL DISTURBED CONCRETE CURB, ASPHALT PAYEMENT AND SIDEWALKS PER TOWN STANDARDS.

- 15. THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING TO BECOME FAMILIAR WITH PRESENT CONDITIONS AND TO
- JUDGE FOR THEMSELVES THE EXTENT AND NATURE OF WORK TO BE DONE.
 CONTRACTOR SHALL DIG TEST PITS TO CONFIRM LOCATION OF EXISTING UTILITIES AND CONFIRM IF ANY CROSSINGS

- 16. CONTRACTOR SHALL DIST IEST INTEST OF CONFIRM DUCATION OF EXISTING OTICITIES AND CONFIRMINE ANY CROSSINGS EXIST PRIOR TO CONSTRUCTING IMPROVEMENTS.

 17. CONTRACTOR TO FIELD VERIEY UTILITY LOCATIONS PRIOR TO EXCAVATION. IF LOCATION IS DIFFERENT, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO INSTALLING THE SEPTIC SYSTEM.

 18. REFER TO INTERIOR PLANS BY OTHERS FOR MORE INFORMATION.

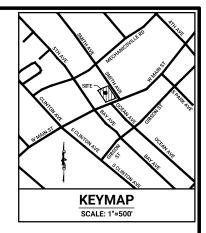
 19. ANY UTILITY INSTALLATIONS THAT ARE TO CROSS TOWN RIGHTS OF WAYS, THE INSTALLATIONS SHALL BE MADE BY DIRECTIONAL DRILLING TECHNIQUES. TRENCHING ACROSS PUBLIC RIGHTS OF WAYS SHALL NOT BE PERMITTED UNLESS APPROVED BY THE ISLIP DEPEATMENT OF PUBLIC WORKS, HIGHWAY DIVISION.

 20. ANY INSTALLATIONS NOT PROVIDED FOR EXTERIOR SITE PLACEMENT, SHALL BE PLACED INTERIOR TO THE BUILDING
- (RPZ'S, GAS/FLECTRIC, HVAC, ETC.)

(RPZ'S, GAS/ELECTRIC, HVAC, ETC.)

21. SEWER CONNECTION BASED ON "ZONE II LATERAL SEWERS, SEWER PLAN & PROFILE, EASEMENTS NO. 1, 2, 3 AND 4", SHEET 24 OF 40, DATED OCTOBER, 1973, PROVIDED BY SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS.

SOIL BORING 🔷 B-1 DARK BROWN LOOSE SAND & GRAVEL SOME SILT FILL (SM) DARK BROWN LOOSE AND & GRAVEL SOME SILT FILL (SM) BROWN F-M SAND BROWN F-M SAND SOME GRAVEL (SP) BROWN F-M SAND SOME GRAVEL (SP) BROWN F-M SAND TRACE GRAVEL (SP BROWN F-M SAND (SP)



BORING NOTES:

GROUNDWATER ENCOUNTERED 7.9 FEET BELOW IN OPEN BOREHOLE.

BUOYANCY CALCULATIONS

END OF BORING 27'-0"

GREASE TRAP (8' DIA. X 5' EFFECTIVE DEPTH)

DEPTH IN GROUNDWATER (2H):
WEIGHT OF WATER:
STANDARD WEIGHT OF CONCRETE:
WEIGHT OF GREASE TRAP TOP SLAB (8" THICKNESS):
WEIGHT OF GREASE TRAP BOTTOM SLAB (8" THICKNESS):
WEIGHT OF GREASE TRAP WALLS (4" MIN. THICKNESS):

= EL. 5.60 - EL. 4.28 = 1.32 FT = 62.43 LB/CF = 150.00 LB/CF = 5,022 LB

REQUIRED (WEIGHT OF GREASE TRAP / BOUYANT FORCES) > FACTOR OF SAFETY

WEIGHT OF GREASE TRAP = 17,664 LB

BOUYANT FORCES (BF) = WEIGHT OF WATER X [(π d²) / 4] X Δ H

BF = 62.43 LB/CF X [(π x 8 FT 2) / 4] X 1.32 FT

BF = 4,139 LB

WEIGHT OF GREASE TRAP / BOUYANT FORCES = 17,664 LB / 4,139 LB = 4.27

4 27 > 1.5. THEREFORE NO LIPITET RESTRAINT REQUIRED

The posted plan is subject to change. Please note that this site plan may be modified during the Town Planning Board and/or Town Board review process. Please contact the assigned planning department staff member if you have questions regarding the date and status of any posted graphics.

SCDHS REF. NO. #-##-###

APPROVAL STAMP SANITARY SITE PLAN

APPLICANT:
A2 DEVELOPMENT GROUP
CONTROL OF CONTROL OF CLASSIFICATION OF CLASS

Matthew K Aviward P.F.

125 WEST MAIN STREET SITUATED IN

BAY SHORE

TOWN OF ISLIP, SUFFOLK COUNTY, NEW YORK

SCTM: DISTRICT 0500, SECTION 419, BLOCK 01, LOT 21



binson & Mulle Engineers, P.C 50 Elm Stre tington, NY 11 Office: (631) 271-0 Fax: (631) 271-0

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