

SANITARY NOTES

- PROJECT SCOPE CONSISTS OF THE REMOVAL OF THE EXISTING SANITARY SYSTEMS AND REPLACEMENT WITH NEW I/A O.W.T.S. THERE ARE NO CHANGES PROPOSED TO BUILDING USE, NUMBER OF PLUMBING FIXTURES, OR PARKING STALLS PROVIDED.
- EXISTING HOUSE TRAPS SHALL BE REMOVED AND REPLACED WITH A CLEAN OUT AT THE EXTERIOR FACE OF THE BUILDING. THE CLEAN OUT SHALL BE FLUSH WITH FINISHED GRADE.
- INTERNAL BUILDING PLUMBING VENT STACKS SHALL BE RE-USED UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL CONFIRM THE BUILDING CONNECTION INVERT ELEVATIONS PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY IN THE EVENT A DISCREPANCY IS FOUND.
- THERE ARE NO KNOWN EXISTING WELLS (PRIVATE AND/OR PUBLIC) PRESENT WITHIN 150' OF THE SUBJECT PROPERTY.
- IMPROVED PROPERTIES WHICH ADJUT THE SUBJECT PROPERTY ARE SERVICED BY PUBLIC WATER.
- NO EXISTING SURFACE WATERS / WETLANDS WITHIN 100' OF THE PROPOSED SANITARY SYSTEMS.
- THERE ARE NO STORM DRAINS LOCATED WITHIN 20' OF THE PROPOSED SANITARY SYSTEMS.
- THERE ARE NO CHANGES TO THE EXISTING DRAINAGE TRIBUTARY AREAS OR STORMWATER RUNOFF VOLUMES.
- HORIZONTAL DATUM IS IN THE NEW YORK STATE PLANE COORDINATE SYSTEM, NAD83 (2011), LONG ISLAND ZONE.
- ELEVATIONS SHOWN HEREON REFERENCE NAVD83 DATUM.
- THE CONTRACTOR IS RESPONSIBLE TO TAKE EROSION CONTROL MEASURES NECESSARY IN ACCORDANCE WITH NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL TO PREVENT SEDIMENT AND/OR LOOSE DEBRIS FROM WASHING INTO DRAINAGE SYSTEMS AND ONTO ADJACENT ROADWAYS AND PROPERTIES.
- ENGINEER NOT RESPONSIBLE FOR CONSTRUCTION METHODS/MEANS FOR COMPLETION OF THE WORK DEPICTED ON THESE PLANS NOR ANY CONFLICTS/SCOPE REVISIONS WHICH RESULT FROM SAME. CONTRACTOR RESPONSIBLE FOR DETERMINING METHODS AND MEANS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND NOTIFICATION IN WRITING TO OWNER AND ENGINEER OF RECORD WHEN A CONFLICT IS IDENTIFIED.
- ALL METHODS AND MATERIALS OF CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE TOWN OF SOUTHAMPTON & SCDHS, AS APPROPRIATE.
- LOCATION OF EXISTING UTILITY SERVICES SHOWN ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR WITH THE UTILITY COMPANIES AND/OR PRIVATE MARK OUT COMPANIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF DISCREPANCIES EXIST, NOTIFY THE ENGINEER IMMEDIATELY IN WRITING.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO PRE-CONSTRUCTION CONDITION, INCLUDING ANY DAMAGED/DISTURBED IRRIGATION SYSTEMS. DAMAGE RESULTING FROM CONSTRUCTION LOADS AND/OR CONSTRUCTION OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR MUST NOTIFY SCDHS 24 HOURS IN ADVANCE OF THE COMMENCEMENT OF ANY ON-SITE WORK.
- UPON OFFICE OF POLLUTION CONTROL APPROVAL, THE REMOVAL OR ABANDONMENT OF EXISTING SANITARY STRUCTURES SHALL BE PERFORMED IN ACCORDANCE WITH SCDHS REQUIREMENTS AS FOLLOWS:
 - PUMP OUT ALL SANITARY STRUCTURES
 - REMOVE ALL SLUDGE FROM THE STRUCTURES UNTIL STRUCTURE IS COMPLETELY EMPTY.
 - REMOVE STRUCTURES.
 - FILL HOLES WITH CLEAN FILL COMPACTED TO 95% PROCTOR DENSITY IN MAX ONE FOOT LIFTS TO THE ELEVATION REQUIRED.
- THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ENSURE THE SAFETY OF ITS EMPLOYEES, THE GENERAL PUBLIC, STRUCTURES TO REMAIN, ADJACENT PROPERTIES, PUBLIC R.O.W.'S, ETC. DURING ALL CONSTRUCTION AND REMOVAL ACTIVITIES IN ACCORDANCE WITH FEDERAL, STATE, COUNTY AND LOCAL CODES AND REGULATIONS. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITIES FOR THE CONTRACTOR'S SAFETY PROGRAMS & PROCEDURES IN CONNECTION WITH THE WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXTENT OF PAVEMENT REMOVAL/RESTORATION BASED ON THE PROPOSED SCOPE OF WORK. THE CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT WITH A STRAIGHT VERTICAL EDGE FREE FROM IRREGULARITIES, WHEREVER NEW PAVEMENT JOINS EXISTING PAVEMENT.
- IF WET CONDITION IS ENCOUNTERED, CONTRACTOR SHALL USE 3/4" CLEAN WASHED STONE IN LIEU OF SAND BACKFILL.
- THE CONTRACTOR SHALL BEAR THE COST OF ANY AND ALL DEWATERING AND SHALL OBTAIN ALL REQUIRED PERMITS/APPROVALS FOR SAME. DEWATERING (IF REQUIRED) SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL & STATE REGULATIONS.
- THE CONTRACTOR SHALL PERFORM THE WORK AS SHOWN ON THE PLANS AND SPECIFIED HEREIN. THE PLANS SHOW THE GENERAL SCOPE OF THE WORK AND DO NOT NECESSARILY SHOW ALL DETAILS REQUIRED FOR COMPLETE FINISHED WORKING SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIALS AND LABOR AS NECESSARY FOR THE CONSTRUCTION OF COMPLETE WORKING SYSTEMS.
- THE CONTRACTOR SHALL INSPECT THE SITE OF THE WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS, VERIFY DIMENSIONS, AND IDENTIFY ANY POTENTIAL PROBLEMS WITH THE EXECUTION OF THE WORK. ANY POTENTIAL EXISTING CONDITIONS DISCOVERED THAT MAY IMPACT THE WORK SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER FOR RESOLUTION.
- ALL EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH WORK DAY OR PROTECTED WITH TEMPORARY FENCING IN COMPLIANCE WITH OSHA REQUIREMENTS.
- BACKFILL MATERIAL SHALL BE COMPACTED WITH A MECHANICAL COMPACTOR AT 6" LIFTS UNLESS OTHERWISE NOTED.
- THE TOPS OF EXISTING MANHOLES, DRAINAGE INLETS, AND/OR UTILITY COVERS SHALL BE ADJUSTED, IF REQUIRED, TO MATCH FINISHED GRADE IN ACCORDANCE WITH ALL APPLICABLE STANDARDS.
- AS PER THE SOIL BORING CONDUCTED BY BARRON ENVIRONMENTAL ON 05/26/2020, GROUNDWATER WAS ENCOUNTERED AT EL. 6.75. AS PER USGS WELL DATA S 46529.2 (APPROXIMATELY 3.3 MILES NORTHEAST OF THE SUBJECT PROPERTY), THE HIGHEST GROUNDWATER RECORDED OCCURRED AT EL. 20.06 ON 08/26/2010. ON THE DATE OF THE SOIL BORING (05/26/2020), WELL DATA WAS INTERPOLATED TO YIELD A GROUNDWATER ELEVATION OF 16.05. AS SUCH, A FACTOR OF 1.25 WAS CALCULATED AND APPLIED TO THE ENCOUNTERED GROUNDWATER ELEVATION, YIELDING THE HIGHEST EXPECTED GROUNDWATER ELEVATION OF 8.45.
- ELECTRICAL WORK SHALL BE IN CONFORMANCE WITH THE NATIONAL ELECTRIC CODE (NEC).
- SANITARY FLOW TRIBUTARY AREAS AS PER SOUTHAMPTON TOWN HALL FACILITY ASSESSMENT REPORT PREPARED BY CAMERON ENGINEERING DATED OCTOBER 2015.
- CONTRACTOR IS RESPONSIBLE TO REVIEW AND CONFIRM DIAMETER, DEPTHS, INVERT ELEVATIONS, STRUCTURE AND PIPE CONDITIONS FOR ALL EXISTING STRUCTURES TO REMAIN. ALL EXISTING SANITARY STRUCTURES TO REMAIN (SEPTIC TANKS, GREASE TRAPS, LEACHING POOLS, ETC.) SHALL BE FITTED WITH LOCKABLE, INSECT-PROOF, WATER TIGHT CAST IRON FRAMES AND COVERS. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL COVERS ARE LOCKED/BOLTED AND SET FLUSH WITH FINISHED GRADE. THIS WORK SHALL BE DEEMED INCLUDED IN THE CONTRACTORS BID PRICE. NO EXTRA PAYMENT WILL BE MADE FOR THIS WORK.

EXCAVATION NOTES

- PROTECTION OF SIDES OF EXCAVATIONS**
IF REQUIRED, EXCAVATIONS SHALL BE SECURED USING INTERLOCKING SHEET PILING INCLUDING INTERLOCKING CORNERS. THE CONTRACTOR IS RESPONSIBLE TO DESIGN THE SHEET PILING SHORING SYSTEM AND OBTAIN ANY NECESSARY APPROVALS FOR SAME. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AS MAY BE NECESSARY.
- SHORING, BRACING AND SHEETING**
WITH THE EXCEPTION OF ROCK CUTS, THE SIDES OF ALL EXCAVATIONS INCLUDING RELATED OR RESULTING EMBANKMENTS, 5 FT. OR GREATER IN DEPTH OR HEIGHT MEASURED FROM THE LEVEL OF ADJACENT GROUND SURFACE TO THE DEEPEST POINT OF THE EXCAVATION, SHALL BE PROTECTED AND MAINTAINED BY SHORING, BRACING AND SHEETING, SHEET PILING, OR BY OTHER RETAINING STRUCTURES. ALTERNATIVELY EXCAVATED SLOPES MAY BE INCLUDED NOT STEEPER THAN 45 DEGREES OR STEPPED SO THAT THE AVERAGE SLOPE IS NOT STEEPER THAN 45 DEGREES WITH NO STEP MORE THAN 5 FT. HIGH, PROVIDED SUCH SLOPE DOES NOT ENDANGER ANY STRUCTURE, INCLUDING SUBSURFACE STRUCTURES. ALL SIDES OR SLOPES OF EXCAVATION OR EMBANKMENTS SHALL BE INSPECTED AFTER RAINSTORMS, OR ANY OTHER HAZARD-INCREASING EVENT, AND SAFE CONDITIONS SHALL BE RESTORED.
- GUARD RAILS**
ALL SIDES OF THE EXCAVATION MUST HAVE STANDARD LIGHTED GUARD RAIL AND A SOLID ENCLOSURE AT LEAST 3'-6" HIGH EXCEPT WHERE ACCESS TO THE ADJOINING AREA IS PRECLUDED. FLASHING WARNING LIGHTS AROUND THE PERIMETER OF THE EXCAVATION SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT LIT DUSK TO DAYLIGHT THE FOLLOWING DAY AND AT OTHER TIMES WHENEVER IT IS OVERCAST OR DARK.
- PLACING OF CONSTRUCTION MATERIAL**
EXCAVATED MATERIAL AND SUPERIMPOSED LOADS SUCH AS EQUIPMENT, TRUCKS, ETC. SHALL NOT BE PLACED CLOSER TO THE EDGE OF THE EXCAVATION THAN A DISTANCE EQUAL TO 1 1/4 TIMES THE DEPTH OF SUCH EXCAVATION, UNLESS THE EXCAVATION IS IN ROCK OR UNLESS THE SIDES OF THE EXCAVATION HAVE BEEN SLOPED OR SHEET PILED (OR SHEETED) AND SHORED TO WITHSTAND THE LATERAL FORCE IMPOSED BY SUCH SUPERIMPOSED LOADS. WHEN SHEET PILING IS USED, IT SHALL EXTEND AT LEAST 6 IN. ABOVE THE NATURAL LEVEL OF THE GROUND. IN THE CASE OF OPEN EXCAVATION WITH SIDE SLOPES, THE EDGE OF EXCAVATION SHALL BE TAKEN AS THE TOE OF THE SLOPE.

UNDERGROUND UTILITY INSTALLATION MARKING TAPE

- SCOPE**
THE CONTRACTOR SHALL FURNISH AND INSTALL AN UNDERGROUND MARKING TAPE ALONG ALL SEWER, WATER, GAS, AND ELECTRIC MAINS & CONNECTIONS.
- MATERIALS**
THE MATERIAL SHALL BE SOLID PLASTIC TAPE WITH A MINIMUM THICKNESS OF 4.5 MIL. THE TAPE SHALL BE RESISTANT TO ALKALIS, ACIDS AND OTHER DESTRUCTIVE ELEMENTS. THE TAPE SHALL BE GREEN FOR SEWER, BLUE FOR WATER, YELLOW FOR GAS, AND RED FOR ELECTRIC, 3" MIN. WIDTH, MARKED WITH THE WORDS, "CAUTION - SANITARY SEWER", "CAUTION - WATER", "CAUTION - GAS", AND "CAUTION - ELECTRIC". THE WARNING SHALL BE REPEATED EVERY 16" - 36".
- INSTALLATION**
AFTER PARTIALLY BACKFILLING AND LEVELING THE TRENCHES TO A HEIGHT OF 18" - 24" ABOVE THE CROWN OF PIPE/CONDUIT, THE ROLL TAPE SHALL BE MOUNTED ON A WHEEL AND SPREAD ABOVE THE PREPARED SURFACE AS STRAIGHT AS POSSIBLE. THE TAPE SHALL BE HELD IN POSITION BY ADDING BACKFILL AND HAND SHOVELS BEFORE USING MECHANICAL EQUIPMENT TO FINISH THE BACKFILL.

PROPOSED DESIGN PLANS

FOR



TOWN OF SOUTHAMPTON TOWN HALL

SANITARY SYSTEM IMPROVEMENTS

116 HAMPTON ROAD, SOUTHAMPTON, NY 11968



AERIAL MAP

SCALE: 1" = 200'

NEARMAP

HIGH RESOLUTION AERIAL IMAGERY OCTOBER 2022

PLAN DATE IDENTIFIER

DATE OF LAST REVISION: JUNE 2023 (REV. 1)

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
C-1	COVER SHEET
C-2	EXISTING CONDITIONS & REMOVALS PLAN
C-3A	GENERAL PLAN OPTION A
C-3B	GENERAL PLAN OPTION B
C-4	OVERALL SANITARY PLAN
C-5	PARTIAL SANITARY PLAN 'A-1'
C-6	PARTIAL SANITARY PLAN 'A-2'
C-7	SANITARY PROFILE
C-8	SANITARY DETAILS I
C-9	SANITARY DETAILS II
C-10	SANITARY DETAILS III
C-11	SANITARY DETAILS IV
C-12	SOIL EROSION AND SEDIMENT CONTROL PLAN
C-13	SOIL EROSION AND SEDIMENT CONTROL DETAILS

ENGINEER'S CERTIFICATION REQUIRED
SUBMIT P.E. OR R.A. CERTIFICATION
FOR INSTALLATION AND CONSTRUCTION
 OF Sewage Disposal System (I/A OWTS, E-one Pump Station, etc.)
FOR FINAL APPROVAL. Use Form WWM-073.

Abandonment of existing sanitary system must be in conformance with department requirements. Submit completed form WWM-080 as proof.

UTILITY NOTES *

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE UTILITIES IN THE AREA. THE CONTRACTOR SHALL SATISFY THEMSELVES AS TO THE EXACT LOCATION OF ALL UTILITIES AND WILL TAKE EVERY PRECAUTION NOT TO DISTURB THEM.

THE CONTRACTOR SHALL BE AWARE THAT UTILITY RELOCATIONS OR HIGHWAY PERMIT CONSTRUCTION MAY BE IN PROGRESS WITHIN THE LIMITS OF THIS PROJECT DURING THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE WITH EACH UTILITY OR PERMITEE. THE UTILITY OR PERMITEE SHALL BE RESPONSIBLE FOR THE ALTERATION OR ADJUSTMENT OF FACILITIES WITHIN THE TOWN RIGHT OF WAY, UNLESS OTHERWISE STATED IN THE PLANS AND SPECIFICATIONS. IN THE INSTANCE WHERE A LACK OF RESPONSE FROM THE UTILITY OR PERMITEE, MAY CAUSE A DELAY WITH RESPECT TO THE COMPLETION DATE, THE CONTRACTOR MUST NOTIFY THE ENGINEER IN WRITING SO THAT APPROPRIATE STEPS SHALL BE TAKEN.

IN THE EVENT THAT THIS PROJECT REQUIRES UTILITY ADJUSTMENTS AND/OR RELOCATIONS, THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THIS WORK WITH THE CONTRACT WORK. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR PROVIDING LAYOUT FOR UTILITY COMPANY USE IN PLACING THEIR FACILITIES.

VARIOUS UTILITY COMPANY CONTACT INFORMATION (NOT LIMITED TO)			
PSE&I	SCOTT SIEGEL	516-418-1538	
NATIONAL GRID	MICHELLE SALAS	516-790-0684	
SCWA	DAWN WARREN	631-563-0247	
VERIZON	SEAN FLYNN	631-206-7473	
CABLEVISION	KENNY TEDESCO	631-439-4974	

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES APPROVAL

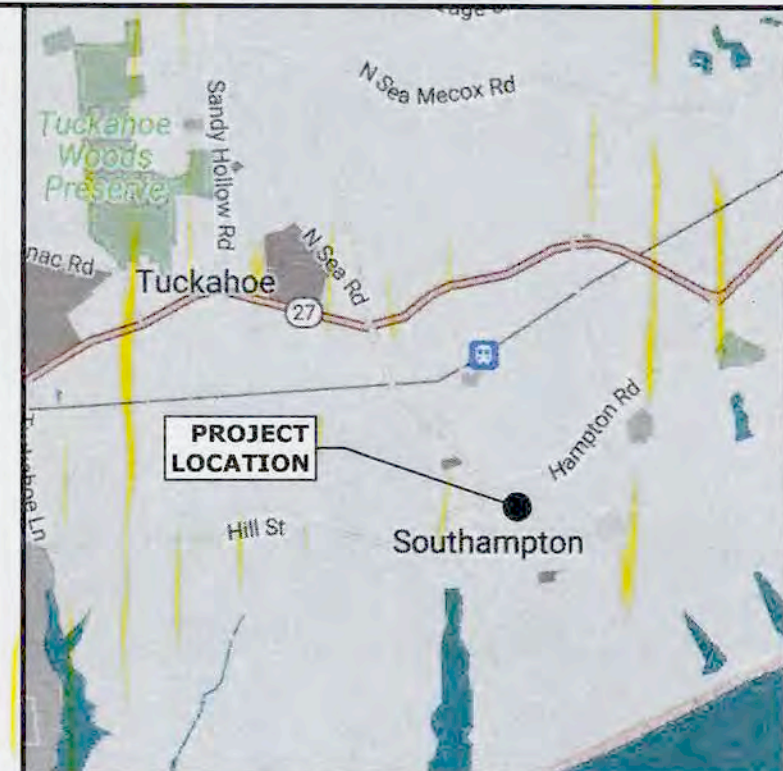
Suffolk County Department of Health Services
 Approval for Construction - Other Than Single Family

Reference No. C-23-0320 Design Flow 4,543.24

Use(s) Town Hall (Non-Medical Office)

These plans have been reviewed for general conformance with Suffolk County Department of Health Services standards, relating to water supply and sewage disposal. Regardless of any omissions, inconsistencies or lack of detail, construction is required to be in accordance with the attached permit conditions and applicable standards, unless specifically waived by the Department. This approval expires 3 years from the approval date, unless extended or renewed.

2/20/2024 *Adrian Casillas*
 Approval Date



LOCATION MAP
N.T.S.

PROJECT DATA

APPLICANT/OWNER.....	TOWN OF SOUTHAMPTON 116 HAMPTON ROAD SOUTHAMPTON, NY 11968 631-702-1750
TAX MAP NUMBER.....	Dist. 904, Sect. 7, Block 4, Lot 1.2
SITE AREA.....	106,694 SF (2.449 ACRES)
ZONING.....	R-12.5 (RESIDENTIAL), VILLAGE OF SOUTHAMPTON
USE.....	MUNICIPAL OFFICE SPACE
GROSS FLOOR AREA.....	LOWER BASEMENT..... 3,913 SF BASEMENT..... 20,470 SF FIRST FLOOR..... 20,450 SF SECOND FLOOR..... 20,060 SF THIRD FLOOR..... 12,132 SF TOTAL BUILDING GFA..... 77,025 SF

SITE CIVIL ENGINEER:

L. K. McLEAN ASSOCIATES, P.C.
 CONSULTING ENGINEERS 437 SOUTH COUNTRY RD., BROOKHAVEN, NEW YORK 11719

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT ENGINEER, TO ALTER IN ANY WAY ANY ITEM ON THESE DRAWINGS. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT ENGINEER IS ALTERED, THE ALTERING ARCHITECT ENGINEER SHALL AFFIX TO HIS/HER ITEM THEIR SEAL AND THE NOTATION "ALTERED" BY FOLLOWED BY HIS/HER SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION ON THE DRAWING. THE PLANS AND SPECIFICATIONS HEREIN ARE INTENDED FOR THE SUBJECT PROJECT ONLY AS A RESULT OF CONTRACTUAL NEGOTIATIONS BETWEEN THE OWNER AND L.K. McLEAN ASSOCIATES, P.C. THESE PLANS AND SPECIFICATIONS WILL BE THE SUBJECT OF A COPYRIGHT PETITION AND MAY NOT BE REVISED OR REUSED BY ANYONE WITHOUT WRITTEN AUTHORITY OF L.K. McLEAN ASSOCIATES, P.C.
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PROJECT:
TOWN OF SOUTHAMPTON
 SUFFOLK COUNTY, NY

TOWN HALL

SANITARY SYSTEM IMPROVEMENTS

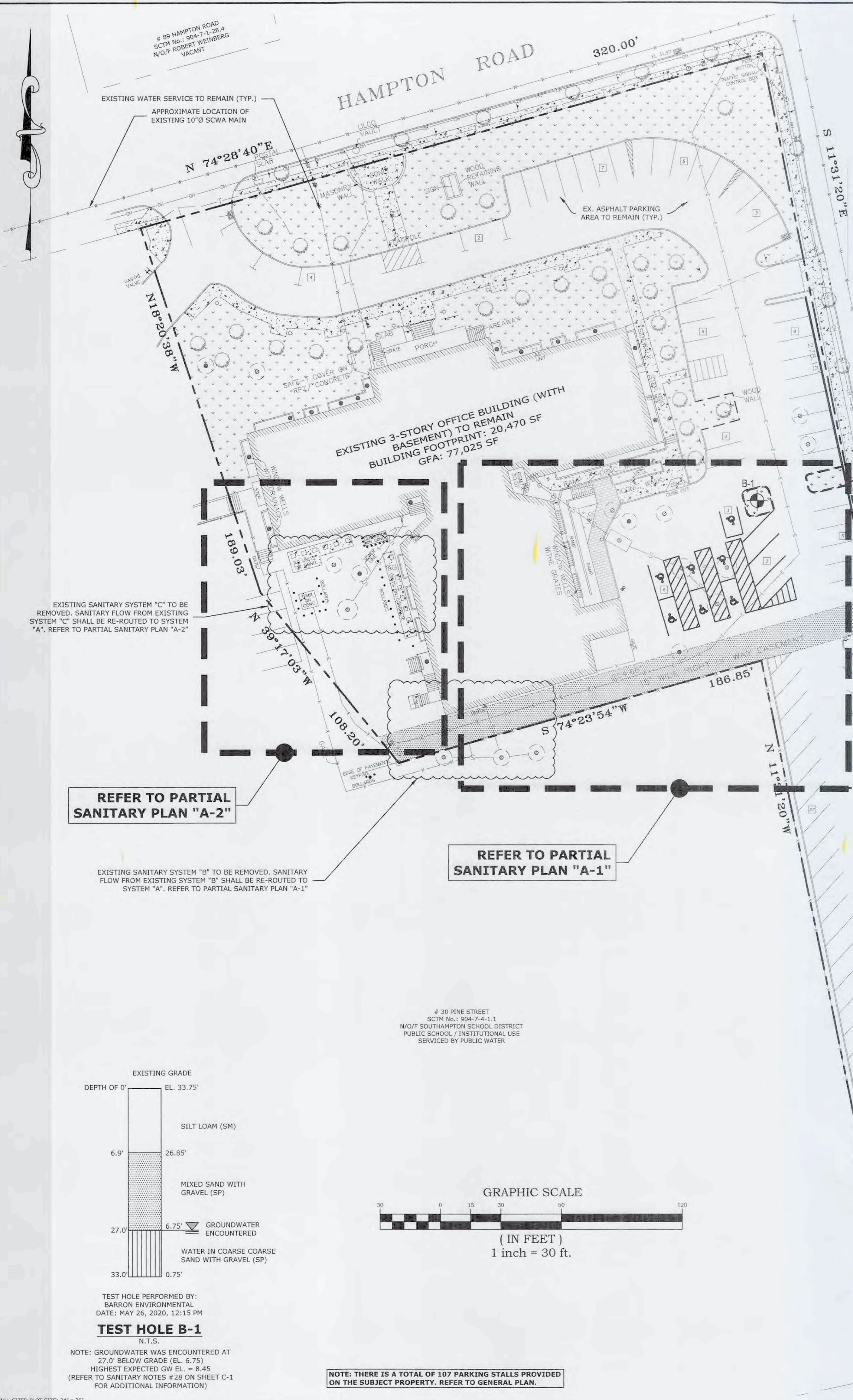
116 HAMPTON ROAD
 SOUTHAMPTON, NY 11968

ISSUES/REVISIONS		
Description	No.	Date
MISC. REVISIONS	1	6/23/2023
MISC. REVISIONS	2	8/2/2023
MISC. REVISIONS	3	10/5/2023
REV. PER SCDHS WWM #1 DATED 11/14/2023	4	11/16/2023

Dig Safely. New York
Call 811
 before you dig

DRAWING TITLE:
COVER SHEET

SEAL & SIGNATURE	Design By: KJP
	Drawn By: KJP
	Approved By: MCJ / KJP
	Scale: AS NOTED
	Date: JAN. 2024
	File No: 22170.000
	Sheet No.



EXISTING SITE SANITARY COMPUTATIONS FOR SOUTHAMPTON TOWN HALL

SYSTEM / OUTFALL	UNIT ID	Tenant / Use	SCDHS Uses (for computations)	Square Footage	Seats / Capita	Density Flow / unit	Density Flow (GPD)	Kitchen/Industrial Waste Flow / unit	Kitchen/Industrial Waste Flow (GPD)	Total Flow (GPD)
A	1	Office Space (Second Floor)	Non-medical office	20,060.00	-	0.06 GPD/SF	1203.60	N/A	---	1203.60
	2	Office Space (Third Floor)	Non-medical office	12,132.00	-	0.06 GPD/SF	727.92	0.00	---	727.92
System A Totals				32,192.00	-	-	1931.52	-	0.00	1931.52
B	1	Office Space (First Floor)	Non-medical office	20,450.00	-	0.06 GPD/SF	1227.00	N/A	---	1227.00
	System B Totals				20,450.00	-	-	1227.00	-	0.00
C	1	Utility / Storage (Lower Basement)	Utility/Storage	3,913.00	-	0.04 GPD/SF	156.52	N/A	---	156.52
	2	Office Space (Basement)	Non-medical office	20,470.00	-	0.06 GPD/SF	1228.20	N/A	---	1228.20
System C Totals				24,383.00	-	-	1384.72	-	N/A	1384.72
TOTAL FACILITY				77,025 SF	-	-	4,543.24 GPD	-	N/A	4,543.24 GPD

**** EXISTING SANITARY SYSTEM SHALL BE REMOVED/ELIMINATED UNDER THIS APPLICATION. TRIBUTARY FLOW FROM SYSTEM B SHALL BE RE-ROUTED TO PROPOSED SYSTEM A WHILE FLOW FROM SYSTEM C SHALL BE CONVEYED TO SYSTEM A VIA PROPOSED E/ONE PUMP, STRUCTURE A-3 ****

PROPOSED SITE SANITARY COMPUTATIONS FOR SOUTHAMPTON TOWN HALL

SYSTEM / OUTFALL	UNIT ID	Tenant / Use	SCDHS Uses (for computations)	Square Footage	Seats / Capita	Density Flow / unit	Density Flow (GPD)	Kitchen/Industrial Waste Flow / unit	Kitchen/Industrial Waste Flow (GPD)	Total Flow (GPD)
A	1	Office Space (First Floor)	Non-medical office	20,450.00	-	0.06 GPD/SF	1227.00	N/A	---	1227.00
	2	Office Space (Second Floor)	Non-medical office	20,060.00	-	0.06 GPD/SF	1203.60	N/A	---	1203.60
	3	Office Space (Third Floor)	Non-medical office	12,132.00	-	0.06 GPD/SF	727.92	0.00	---	727.92
	4	Utility / Storage (Lower Basement)	Utility/Storage	3,913.00	-	0.04 GPD/SF	156.52	N/A	---	156.52
	5	Office Space (Basement)	Non-medical office	20,470.00	-	0.06 GPD/SF	1228.20	N/A	---	1228.20
TOTAL FACILITY				77,025 SF	-	-	4,543.24 GPD	-	N/A	4,543.24 GPD

***GRANDFATHERED SANITARY FLOW NOTES:**
 1. IN ACCORDANCE WITH THE PROPERTY DEED AND THE BUILDING STRUCTURE INVENTORY FORM ISSUED BY NYS DIVISION OF HISTORIC PRESERVATION, THE EXISTING BUILDING HAS MAINTAINED ITS ORIGINAL FORM AND STRUCTURE SINCE ITS CHANGE OF OWNERSHIP AND USE IN JANUARY OF 1977. IT TRANSITIONED FROM A PUBLIC SCHOOL TO THE TOWN OF SOUTHAMPTON TOWN HALL AT THAT TIME. THIS HISTORICAL DOCUMENTATION UNEQUIVOCALLY ESTABLISHES THE CONTINUOUS, UNALTERED NATURE OF THE BUILDING SINCE 1977 AND PROVIDES SUFFICIENT PROOF TO GRANDFATHER A TOTAL SANITARY FLOW OF 4,543.24 GPD.

SANITARY DENSITY CALCULATIONS
 ALLOWABLE SANITARY FLOW
 SITE AREA = 2.449 ACRES
 SITE LOCATED IN GROUND WATER MANAGEMENT ZONE IV = 600 GPD / ACRE
 TOTAL ALLOWABLE SANITARY DENSITY FLOW = (2.449 ACRES) * (600 GPD / ACRE) = 1,469.40 GPD
 EXISTING SANITARY DENSITY FLOW = PROPOSED SANITARY DENSITY FLOW = 4,543.24 GPD (REFER TO SITE SANITARY COMPUTATION TABLE, THIS SHEET)
 GRANDFATHERED TOTAL FLOW (BASED ON PROPERTY DEED & BUILDING STRUCTURE INVENTORY FORM FROM THE NEW YORK STATE DIVISION FOR HISTORIC PRESERVATION, SEE GRANDFATHERED SANITARY FLOW NOTE 1, THIS SHEET) = 4,543.24 GPD

SANITARY SYSTEM SIZING CALCULATIONS FOR SYSTEM 'A'
 EXISTING SANITARY SYSTEMS 'B' AND 'C' SHALL BE REMOVED AND HAVE THEIR SANITARY FLOWS RE-ROUTED TO SYSTEM A. EXISTING SYSTEM A WILL BE IMPROVED/REQUIRED AS SHOWN. PROPOSED SYSTEM A WILL INCLUDE THREE (3) NEW FUJICLEAN CEN2 1/4 O.W.T.S. UNITS INSTALLED SIDE BY SIDE WITH ASSOCIATED LEACHING STRUCTURES. EXISTING BUILDING CONNECTION PIPING AND INVERT ELEVATION SHALL REMAIN AND BE RE-USED. CONTRACTOR SHALL THOROUGHLY CLEAN EXISTING PIPE PRIOR TO RE-USE. THERE ARE NO CHANGES PROPOSED TO BUILDING USE OR NUMBER OF PARKING STALLS PROVIDED. THERE ARE NO COMMERCIAL FOOD PREP AREAS IN THE BUILDING. THERE ARE NO DISHWASHERS OR THREE COMPARTMENT SINKS IN THE BUILDING.

CALCULATIONS
 PROPOSED SEPTIC TANK (AS PRE-TREATMENT TO FUJI CLEAN 1/4 O.W.T.S.)
 PER SITE SANITARY COMPUTATION TABLE (THIS SHEET), THE TOTAL PROPOSED FLOW IN SYSTEM 'A' IS 4,543.24 GPD.
 MINIMUM RECOMMENDED PRE-TREATMENT TANK CAPACITY (PER FUJICLEAN USA) = 50 - 100% OF TOTAL SANITARY FLOW = 4,543.24 GALLONS
 PROVIDE: ONE (1) 12'x3' SINGLE-UNIT PRECAST CONCRETE SEPTIC TANK WITH 7' LIQUID DEPTH CAPACITY = 7' LIQUID DEPTH x 750 GAL/FT³ = 5,250 GAL (OVER DESIGNED AT THE REQUEST OF THE APPLICANT)
 PROVIDED CAPACITY IS GREATER THAN THE MINIMUM REQUIRED CAPACITY, THEREFORE SUFFICIENT STORAGE IS PROVIDED.
 PROPOSED 1/4 O.W.T.S.
 PER SITE SANITARY COMPUTATION TABLE (THIS SHEET), THE TOTAL PROPOSED FLOW IN SYSTEM 'A' IS 4,543.24 GPD
 INSTALL THREE (3) NEW FUJI CLEAN CEN 2 1/4 O.W.T.S. IN APPROVED PRECAST CONCRETE VAULT AS MANUFACTURED BY ROMAN STONE:
 REQUIRED CAPACITY: 1 DAYS TOTAL FLOW = 4,543.24 GALLONS
 PROVIDE: THREE (3) FUJI CLEAN CEN2 1/4 O.W.T.S. IN APPROVED PRECAST CONCRETE VAULTS AS MANUFACTURED BY ROMAN STONE. UNITS SHALL BE INSTALLED SIDE-BY-SIDE CAPACITY = 1,900 GALLONS/UNIT x 3 UNITS = 5,700 GALLONS
 PROVIDED CAPACITY IS GREATER THAN THE MINIMUM REQUIRED CAPACITY, THEREFORE SUFFICIENT STORAGE IS PROVIDED.
 PROPOSED LEACHING POOLS
 PER SITE SANITARY COMPUTATION TABLE (THIS SHEET), THE TOTAL PROPOSED FLOW IN SYSTEM 'A' IS 4,543.24 GPD
 DESIGN FLOW = 4,543.24 GPD
 APPLICATION RATE = 1.5 GPD / SF
 REQUIRED SIDEWALL AREA = 4,543.24 GPD / (1.5 GPD / SF) = 3,028.83 SF
 PROVIDE: SIX (6) 10'x10' PRECAST CONCRETE LEACHING POOLS, EACH WITH 16.1 VF EFFECTIVE DEPTH. = 6 x 31.42 SF/ft x 16.1 VF = 3,035.17 SF
 PROVIDED SIDEWALL AREA IS GREATER THAN THE MINIMUM REQUIRED, THEREFORE SUFFICIENT STORAGE IS PROVIDED.
 FUTURE EXPANSION: PROVIDE THREE (3) 10'x10' PRECAST CONCRETE LEACHING POOLS, EACH WITH 16.1 VF EFFECTIVE DEPTH.



LOCATION MAP
 N.T.S.

PROJECT DATA
 APPLICANT/OWNER... TOWN OF SOUTHAMPTON
 116 HAMPTON ROAD
 SOUTHAMPTON, NY 11968
 631-702-1750
 TAX MAP NUMBER... Dist. 904, Sect. 7, Block 4, Lot 1.2
 SITE AREA... 106,694 SF (2.449 ACRES)
 ZONING... R-12.5 (RESIDENTIAL), VILLAGE OF SOUTHAMPTON
 USE... MUNICIPAL OFFICE SPACE
 GROSS FLOOR AREA... LOWER BASEMENT... 3,913 SF
 BASEMENT... 20,470 SF
 FIRST FLOOR... 20,450 SF
 SECOND FLOOR... 20,060 SF
 THIRD FLOOR... 12,132 SF
 TOTAL BUILDING GFA... 77,025 SF

SITE CIVIL ENGINEER:

 L. K. McLEAN ASSOCIATES, P.C.
 CONSULTING ENGINEERS
 437 SOUTH COUNTRY RD., BROOKHAVEN, NEW YORK 11719

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PROJECT:
 TOWN OF SOUTHAMPTON
 SUFFOLK COUNTY, NY
TOWN HALL
SANITARY SYSTEM IMPROVEMENTS
 116 HAMPTON ROAD
 SOUTHAMPTON, NY 11968

DESCRIPTION	NO.	DATE
MISC. REVISIONS	1	6/23/2023
MISC. REVISIONS	2	8/2/2023
MISC. REVISIONS	3	10/5/2023
REV. PER SCDHS WDM NOT #1 DATED 11/14/2023	4	11/16/2023

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES APPROVAL
 SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
APPROVED
 REFERENCE NUMBER: C-23-0320
 SEE DRAWING # 1 OF 9
 REVIEWER'S INITIALS: AC

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DRAWING TITLE:
OVERALL SANITARY PLAN

SEAL OF STATE OF NEW YORK
 ROBERT A. STEEL
 LICENSED PROFESSIONAL ENGINEER
 071547

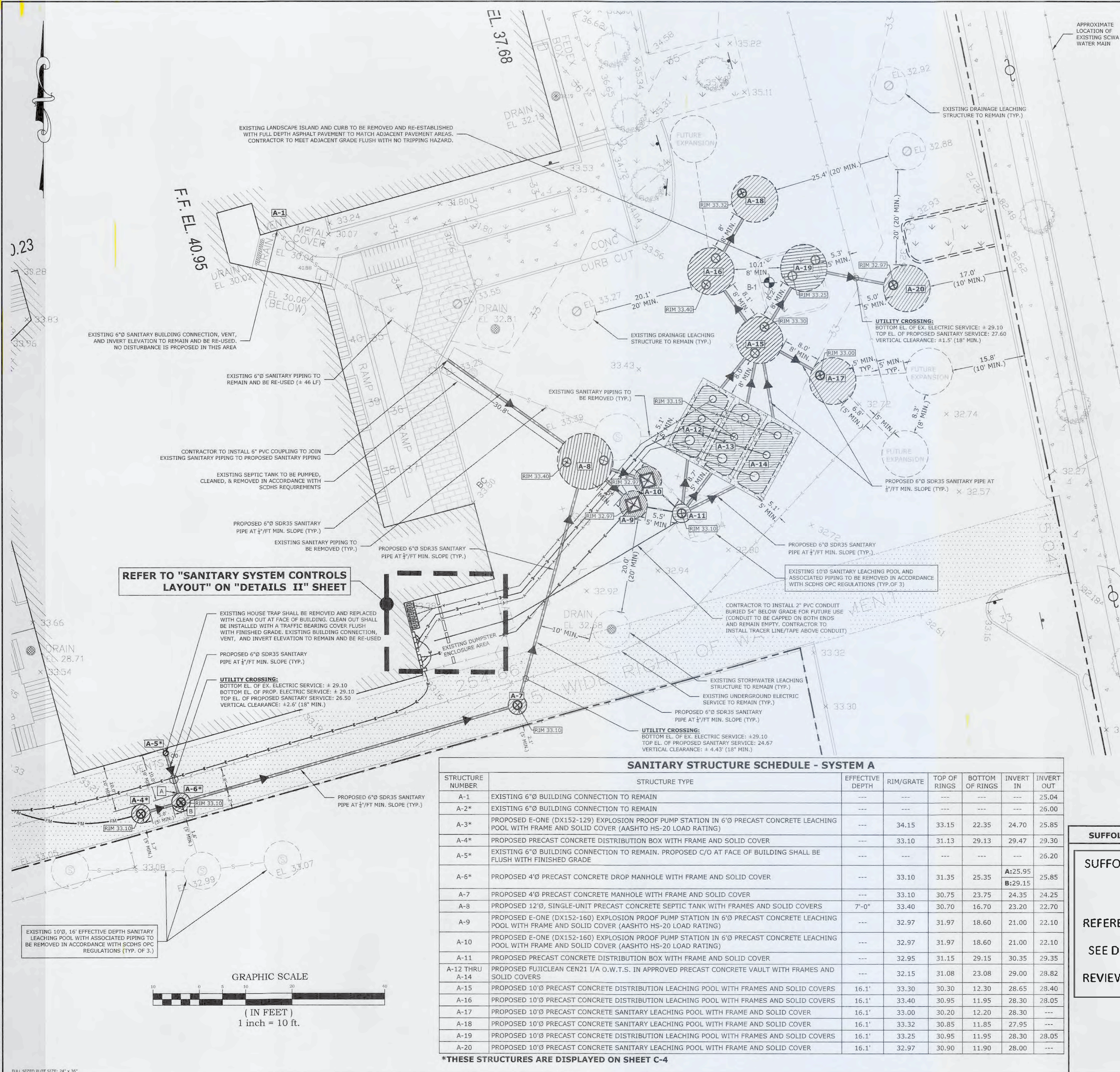
Design By: KJP
 Drawn By: KJP
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 Scale: AS NOTED
 Date: JAN. 2024
 File No: 22170.000
 Sheet No.

C-4 OF 13

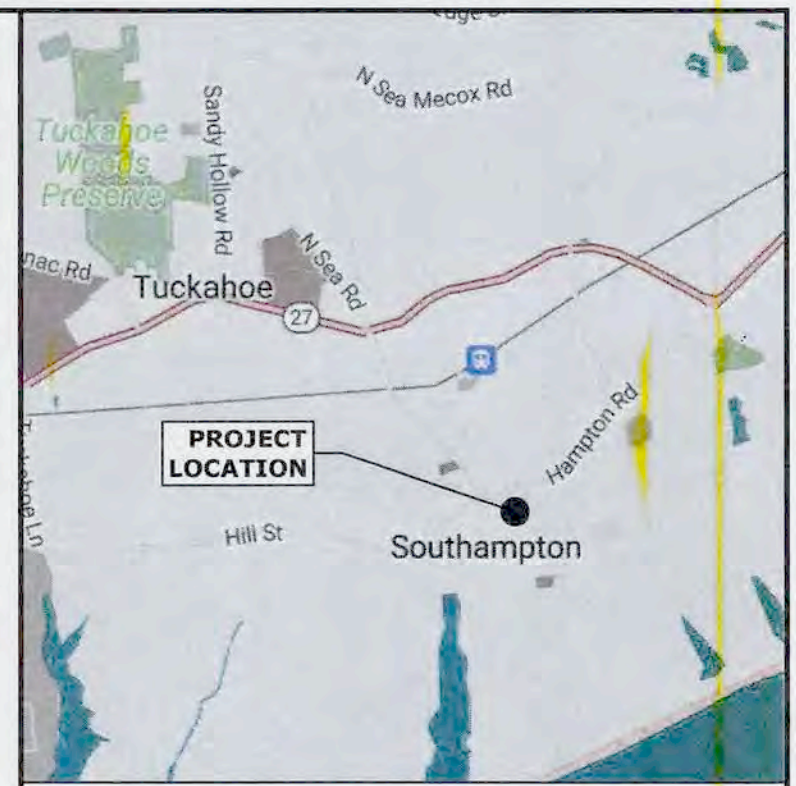


TEST HOLE PERFORMED BY: BARRON ENVIRONMENTAL
 DATE: MAY 26, 2020, 12:15 PM
TEST HOLE B-1
 N.T.S.
 NOTE: GROUNDWATER WAS ENCOUNTERED AT 27.0' BELOW GRADE (EL. 6.75)
 HIGHEST EXPECTED GW EL. = 8.45
 (REFER TO SANITARY NOTES #28 ON SHEET C-1 FOR ADDITIONAL INFORMATION)

NOTE: THERE IS A TOTAL OF 107 PARKING STALLS PROVIDED ON THE SUBJECT PROPERTY. REFER TO GENERAL PLAN.



LEGEND		
EXISTING	ITEM	PROPOSED
---	PROPERTY LINE	
[Hatched Box]	BUILDING	
[Dashed Line]	EASEMENT	
[Solid Line]	CONCRETE CURB	
[Brick Pattern]	CONCRETE SIDEWALK	
[Brick Pattern]	BRICK PAVER	
[Dotted Area]	LANDSCAPE AREA	
[Chain Link Fence]	CHAIN LINK FENCE	
[Overhead Wires]	OVERHEAD UTILITY WIRES	
[Utility Pole]	UTILITY POLE	
[Water Service Line]	WATER SERVICE	
[Underground Electric Service]	UNDERGROUND ELECTRIC SERVICE	
[Underground Telephone/Data Service]	UNDERGROUND TELEPHONE/DATA SERVICE	
[Telephone Manhole]	TELEPHONE/DATA MANHOLE	
[Soil Boring]	SOIL BORING	
[Spot Grade Elevation]	SPOT GRADE ELEVATION	
[Grading Contour]	GRADING CONTOUR	
[Stormwater Leaching Structure]	STORMWATER LEACHING STRUCTURE (SOLID COVER / GRATE)	
[Sanitary Leaching Pool]	SANITARY LEACHING POOL	[Symbol]
[Sanitary Septic Tank]	SANITARY SEPTIC TANK	[Symbol]
[Sanitary Manhole]	SANITARY MANHOLE	[Symbol]
[E/One Pump in 6' Leaching Pool]	E/ONE PUMP IN 6' LEACHING POOL	[Symbol]
[I/A OWTS (Fujiclean Cen 21 in SCOHs)]	I/A OWTS (FUJICLEAN CEN 21 IN SCOHs APPROVED PRECAST CONCRETE VAULT)	[Symbol]
[6" SDR 35 Sanitary Piping]	6" SDR 35 SANITARY PIPING	[Symbol]
[14" DR11 Sanitary Force Main Piping]	14" DR11 SANITARY FORCE MAIN PIPING	[Symbol]
[Air-Supply Pipe for I/A OWTS]	AIR-SUPPLY PIPE FOR I/A OWTS	[Symbol]
[2-1/2" HDPE Vent Pipe]	2-1/2" HDPE VENT PIPE	[Symbol]



LOCATION MAP
N.T.S.

PROJECT DATA

APPLICANT/OWNER... TOWN OF SOUTHAMPTON
116 HAMPTON ROAD
SOUTHAMPTON, NY 11968
631-702-1750

TAX MAP NUMBER... Dht. 904, Sect. 7, Block 4, Lot 1.2

SITE AREA... 106,694 SF (2.449 ACRES)

ZONING... R-12.5 (RESIDENTIAL), VILLAGE OF SOUTHAMPTON

USE... MUNICIPAL OFFICE SPACE

GROSS FLOOR AREA... 3,913 SF
BASEMENT... 20,470 SF
FIRST FLOOR... 20,450 SF
SECOND FLOOR... 22,060 SF
THIRD FLOOR... 12,132 SF
TOTAL BUILDING GFA... 77,025 SF

SITE CIVIL ENGINEER:

L. K. McLEAN ASSOCIATES, P.C.
CONSULTING ENGINEERS
437 SOUTH COUNTRY RD., BROOKHAVEN, NEW YORK 11719

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SUFFOLK COUNTY, NY

TOWN HALL

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116 HAMPTON ROAD
SOUTHAMPTON, NY 11968

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SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES APPROVAL

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES

APPROVED

REFERENCE NUMBER: **C-23-0320**

SEE DRAWING # 1 OF 9

REVIEWER'S INITIALS: **AC**



DRAWING TITLE:
PARTIAL SANITARY PLAN 'A-1'

SEAL & SIGNATURE:

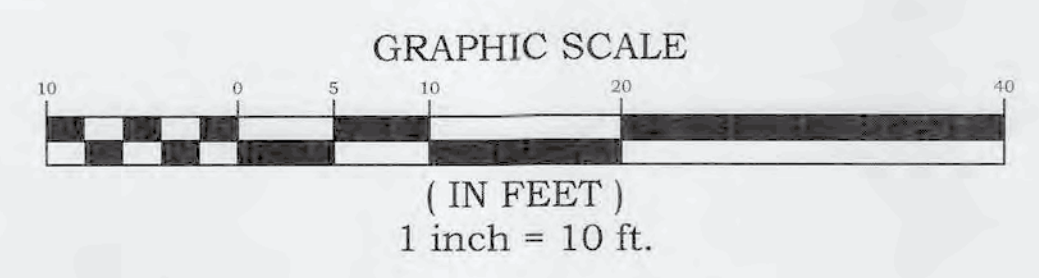
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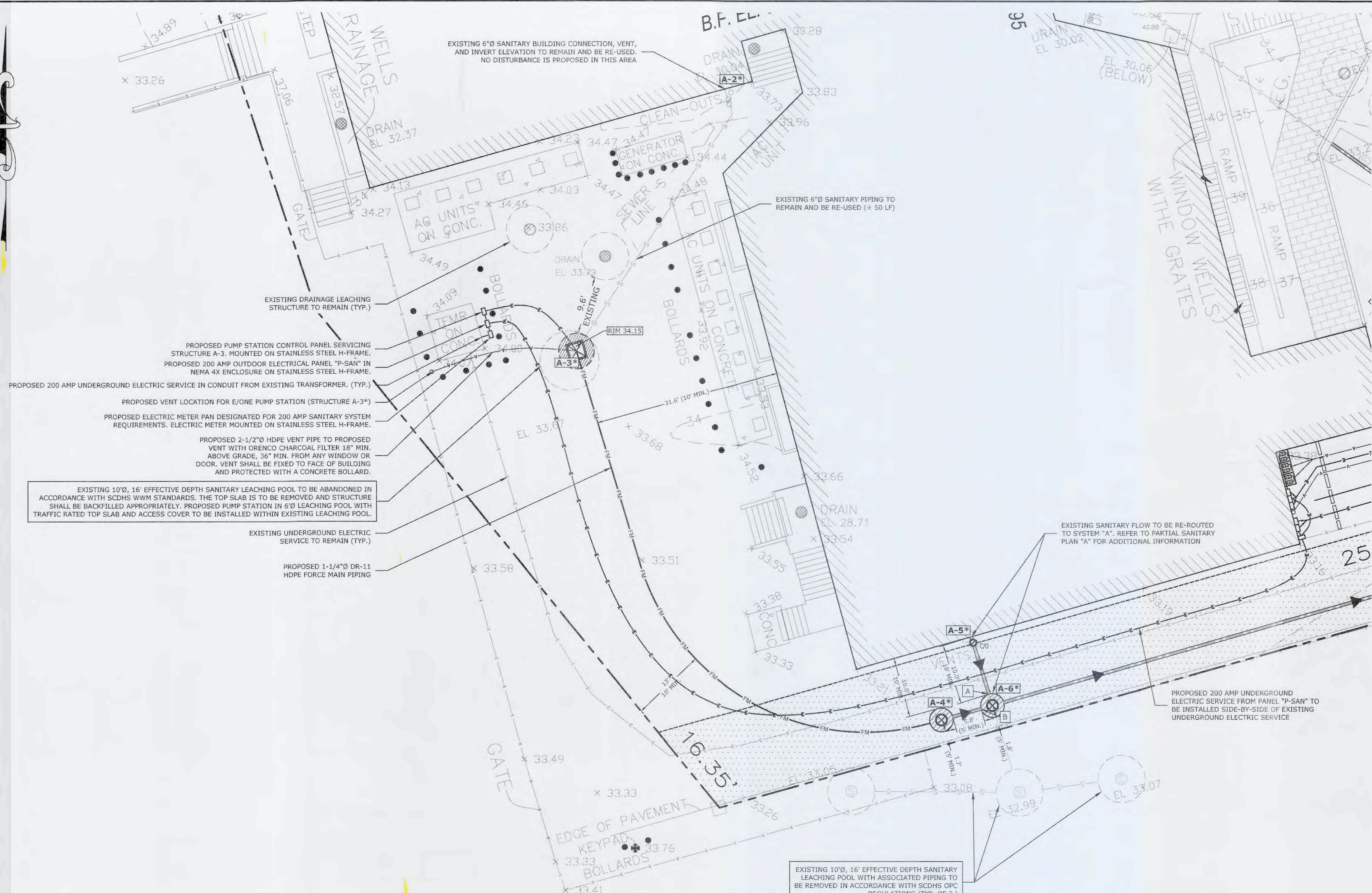
C-5 OF 13

SANITARY STRUCTURE SCHEDULE - SYSTEM A							
STRUCTURE NUMBER	STRUCTURE TYPE	EFFECTIVE DEPTH	RIM/GRATE	TOP OF RINGS	BOTTOM OF RINGS	INVERT IN	INVERT OUT
A-1	EXISTING 6"Ø BUILDING CONNECTION TO REMAIN	---	---	---	---	---	25.04
A-2*	EXISTING 6"Ø BUILDING CONNECTION TO REMAIN	---	---	---	---	---	26.00
A-3*	PROPOSED E-ONE (DX152-129) EXPLOSION PROOF PUMP STATION IN 6'Ø PRECAST CONCRETE LEACHING POOL WITH FRAME AND SOLID COVER (AASHTO HS-20 LOAD RATING)	---	34.15	33.15	22.35	24.70	25.85
A-4*	PROPOSED PRECAST CONCRETE DISTRIBUTION BOX WITH FRAME AND SOLID COVER	---	33.10	31.13	29.13	29.47	29.30
A-5*	EXISTING 6"Ø BUILDING CONNECTION TO REMAIN. PROPOSED C/O AT FACE OF BUILDING SHALL BE FLUSH WITH FINISHED GRADE	---	---	---	---	---	26.20
A-6*	PROPOSED 4'Ø PRECAST CONCRETE DROP MANHOLE WITH FRAME AND SOLID COVER	---	33.10	31.35	25.35	A:25.95 B:29.15	25.85
A-7	PROPOSED 4'Ø PRECAST CONCRETE MANHOLE WITH FRAME AND SOLID COVER	---	33.10	30.75	23.75	24.35	24.25
A-8	PROPOSED 12'Ø, SINGLE-UNIT PRECAST CONCRETE SEPTIC TANK WITH FRAMES AND SOLID COVERS	7'-0"	33.40	30.70	16.70	23.20	22.70
A-9	PROPOSED E-ONE (DX152-160) EXPLOSION PROOF PUMP STATION IN 6'Ø PRECAST CONCRETE LEACHING POOL WITH FRAME AND SOLID COVER (AASHTO HS-20 LOAD RATING)	---	32.97	31.97	18.60	21.00	22.10
A-10	PROPOSED E-ONE (DX152-160) EXPLOSION PROOF PUMP STATION IN 6'Ø PRECAST CONCRETE LEACHING POOL WITH FRAME AND SOLID COVER (AASHTO HS-20 LOAD RATING)	---	32.97	31.97	18.60	21.00	22.10
A-11	PROPOSED PRECAST CONCRETE DISTRIBUTION BOX WITH FRAME AND SOLID COVER	---	32.95	31.15	29.15	30.35	29.35
A-12 THRU A-14	PROPOSED FUJICLEAN CEN21 I/A O.W.T.S. IN APPROVED PRECAST CONCRETE VAULT WITH FRAMES AND SOLID COVERS	---	32.15	31.08	23.08	29.00	28.82
A-15	PROPOSED 10'Ø PRECAST CONCRETE DISTRIBUTION LEACHING POOL WITH FRAMES AND SOLID COVERS	16.1'	33.30	30.30	12.30	28.65	28.40
A-16	PROPOSED 10'Ø PRECAST CONCRETE DISTRIBUTION LEACHING POOL WITH FRAMES AND SOLID COVERS	16.1'	33.40	30.95	11.95	28.30	28.05
A-17	PROPOSED 10'Ø PRECAST CONCRETE SANITARY LEACHING POOL WITH FRAME AND SOLID COVER	16.1'	33.00	30.20	12.20	28.30	---
A-18	PROPOSED 10'Ø PRECAST CONCRETE SANITARY LEACHING POOL WITH FRAME AND SOLID COVER	16.1'	33.32	30.85	11.85	27.95	---
A-19	PROPOSED 10'Ø PRECAST CONCRETE DISTRIBUTION LEACHING POOL WITH FRAMES AND SOLID COVERS	16.1'	33.25	30.95	11.95	28.30	28.05
A-20	PROPOSED 10'Ø PRECAST CONCRETE SANITARY LEACHING POOL WITH FRAME AND SOLID COVER	16.1'	32.97	30.90	11.90	28.00	---

*THESE STRUCTURES ARE DISPLAYED ON SHEET C-4

REFER TO "SANITARY SYSTEM CONTROLS LAYOUT" ON "DETAILS II" SHEET





EXISTING	ITEM	PROPOSED
---	PROPERTY LINE	
[Hatched Box]	BUILDING	
[Dashed Line]	EASEMENT	
[Solid Line]	CONCRETE CURB	
[Brick Pattern]	CONCRETE SIDEWALK	
[Grass Pattern]	LANDSCAPE AREA	
[X-Mark]	CHAIN LINK FENCE	
[Wavy Line]	OVERHEAD UTILITY WIRES	
[Circle with X]	UTILITY POLE	
[Dashed Line]	WATER SERVICE	
[Dashed Line]	UNDERGROUND ELECTRIC SERVICE	
[Dashed Line]	UNDERGROUND TELEPHONE/DATA SERVICE	
[Circle with T]	TELEPHONE/DATA MANHOLE	
[Circle with B-1]	SOIL BORING	
[Circle with X]	SPOT GRADE ELEVATION	
[Dashed Line]	GRADING CONTOUR	
[Circle with X]	STORMWATER LEACHING STRUCTURE (SOLID COVER / GRATE)	
[Circle with S]	SANITARY LEACHING POOL	[Circle with S]
[Circle with S]	SANITARY SEPTIC TANK	[Circle with S]
[Circle with S]	SANITARY MANHOLE	[Circle with S]
[Circle with X]	E/ONE PUMP IN 6" LEACHING POOL	[Circle with X]
[Rectangular Box]	1/A OWTS (FUJICLEAN CEN 21 IN SCDS APPROVED PRECAST CONCRETE VAULT)	[Rectangular Box]
[Line with Arrow]	6" SDR 35 SANITARY PIPING	[Line with Arrow]
[Line with Arrow]	1-1/4" DR11 SANITARY FORCE MAIN PIPING	[Line with Arrow]
[Line with Arrow]	AIR-SUPPLY PIPE FOR 1/A OWTS	[Line with Arrow]
[Line with Arrow]	2-1/2" HDPE VENT PIPE	[Line with Arrow]



LOCATION MAP
N.T.S.

PROJECT DATA

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116 HAMPTON ROAD
SOUTHAMPTON, NY 11968
631-702-1750

TAX MAP NUMBER... Dist. 904, Sect. 7, Block 4, Lot 1.2

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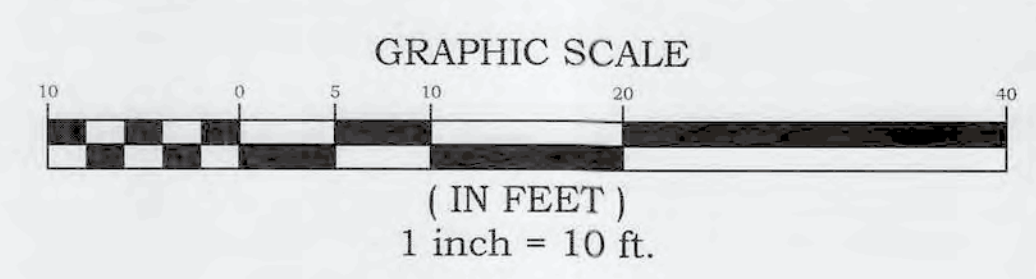
SITE CIVIL ENGINEER:
L.K.M.A.
L. K. McLEAN ASSOCIATES, P.C.
CONSULTING ENGINEERS 427 SOUTH COUNTRY RD., BROOKHAVEN, NEW YORK 11719

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PROJECT:
TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY
TOWN HALL
SANITARY SYSTEM IMPROVEMENTS
116 HAMPTON ROAD
SOUTHAMPTON, NY 11968

ISSUES/REVISIONS

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SEE SANITARY SCHEDULE 'A' ON SHEET PARTIAL SANITARY PLAN 'A-1' FOR MORE INFORMATION

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES APPROVAL

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES

APPROVED

REFERENCE NUMBER: **C-23-0320**

SEE DRAWING # 1 OF 9

REVIEWER'S INITIALS: **AC**

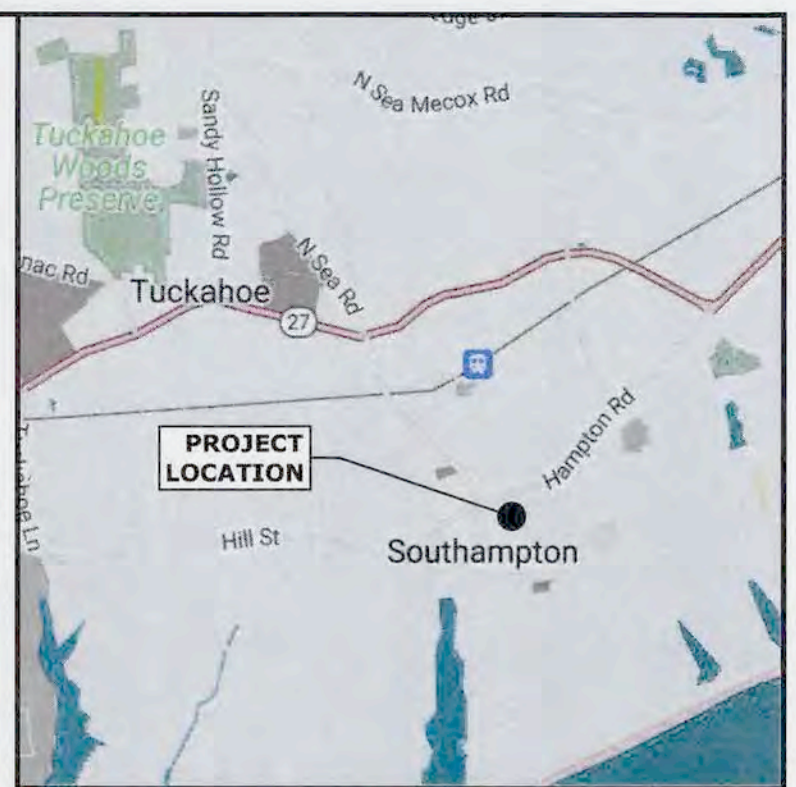


DRAWING TITLE:
PARTIAL SANITARY PLAN 'A-2'

SEAL OF THE STATE OF NEW YORK
ROBERT A. STEELE
LICENSED PROFESSIONAL ENGINEER

Design By: KJP
Drawn By: KJP
Approved By: MCI / KJP
Scale: AS NOTED
Date: JAN. 2024
File No: 22170.000
Sheet No.

C-6 OF 13



LOCATION MAP
N.T.S.

PROJECT DATA

APPLICANT/OWNER: TOWN OF SOUTHAMPTON
116 HAMPTON ROAD
SOUTHAMPTON, NY 11968
631-702-1750

TAX MAP NUMBER: Dist. 904, Sect. 7, Block 4, Lot 1.2

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ZONING: R-12.5 (RESIDENTIAL), VILLAGE OF SOUTHAMPTON

USE: MUNICIPAL OFFICE SPACE

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 TOTAL BUILDING GFA: 77,025 SF

SITE CIVIL ENGINEER:

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CONSULTING ENGINEERS 437 SOUTH COUNTRY RD., BROOKHAVEN, NEW YORK 11719

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PROJECT: TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY

TOWN HALL

SANITARY SYSTEM IMPROVEMENTS

116 HAMPTON ROAD
SOUTHAMPTON, NY 11968

ISSUES/REVISIONS

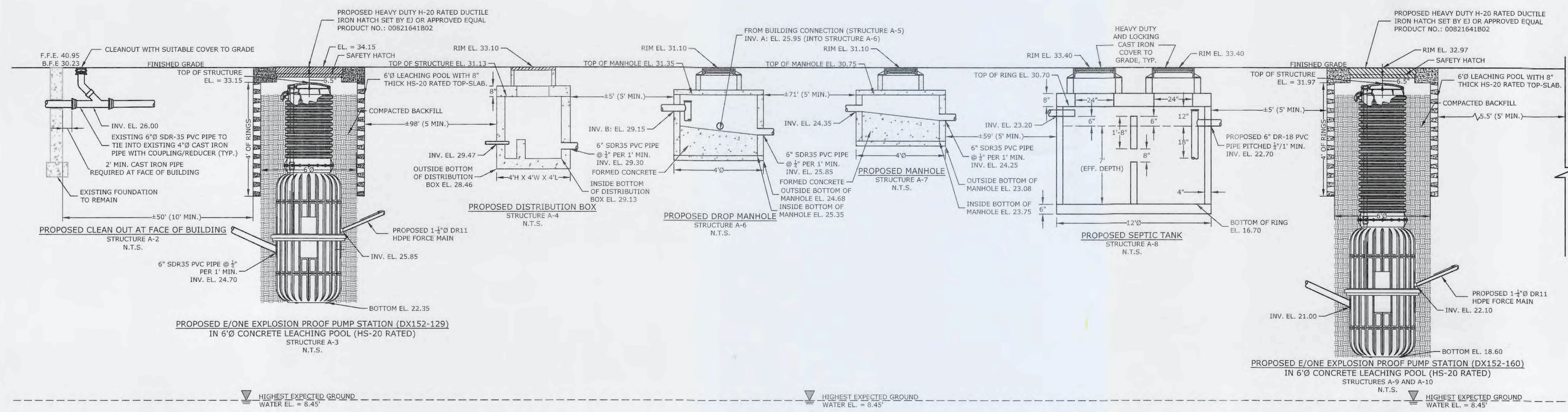
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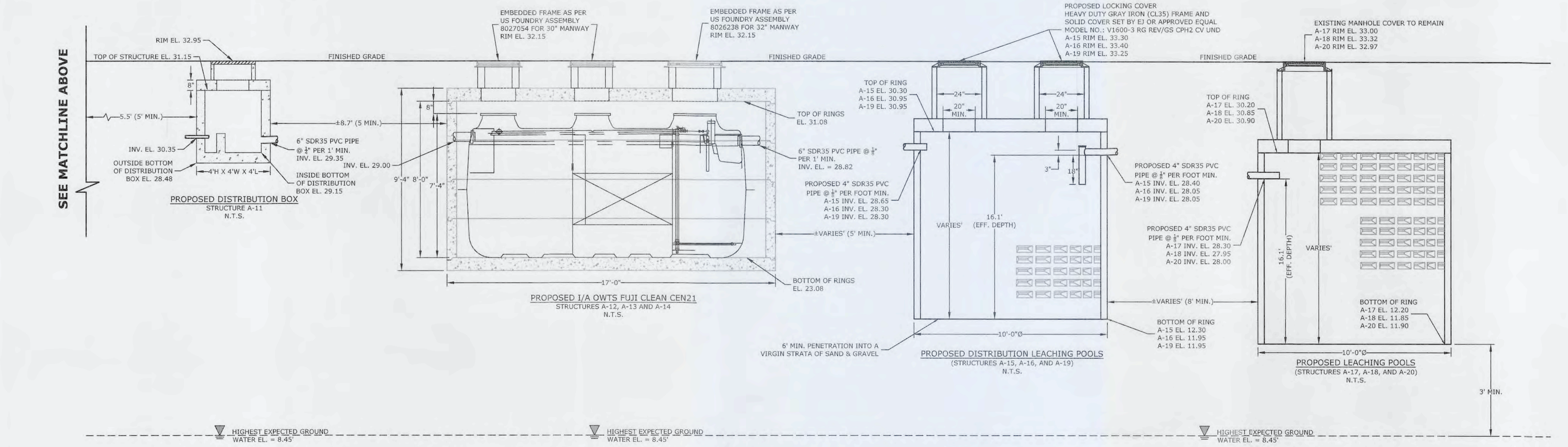
DRAWING TITLE:
SANITARY PROFILE

SEAL & SIGNATURE:

 Design By: KJP
 Drawn By: KJP
 Approved By: MCI / KJP
 Scale: AS NOTED
 Date: JAN. 2024
 File No: 22170.000
 Sheet No. **C-7** OF 13



SEE MATCHLINE BELOW



SEE MATCHLINE ABOVE

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES APPROVAL

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES

APPROVED

REFERENCE NUMBER: C-23-0320

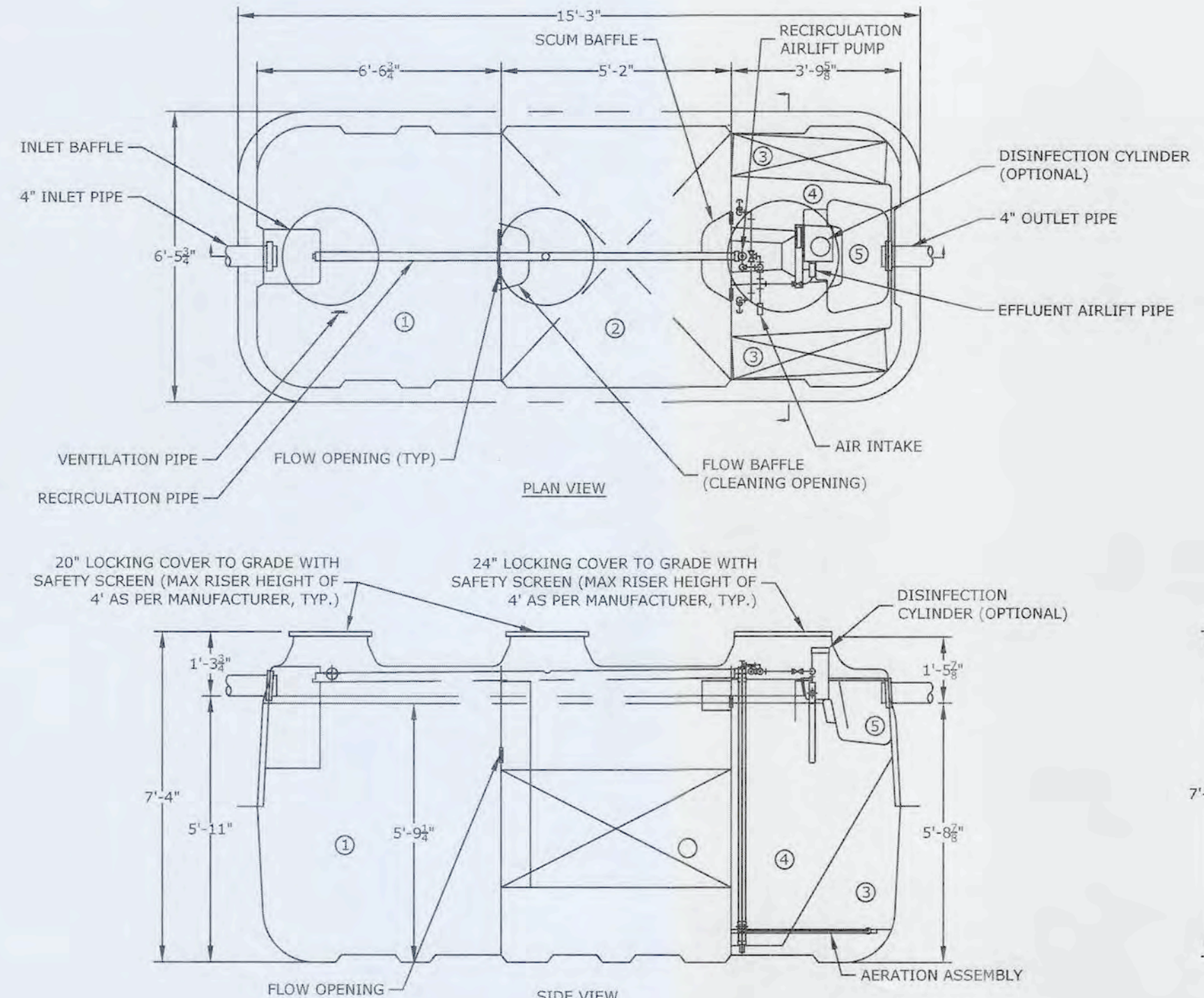
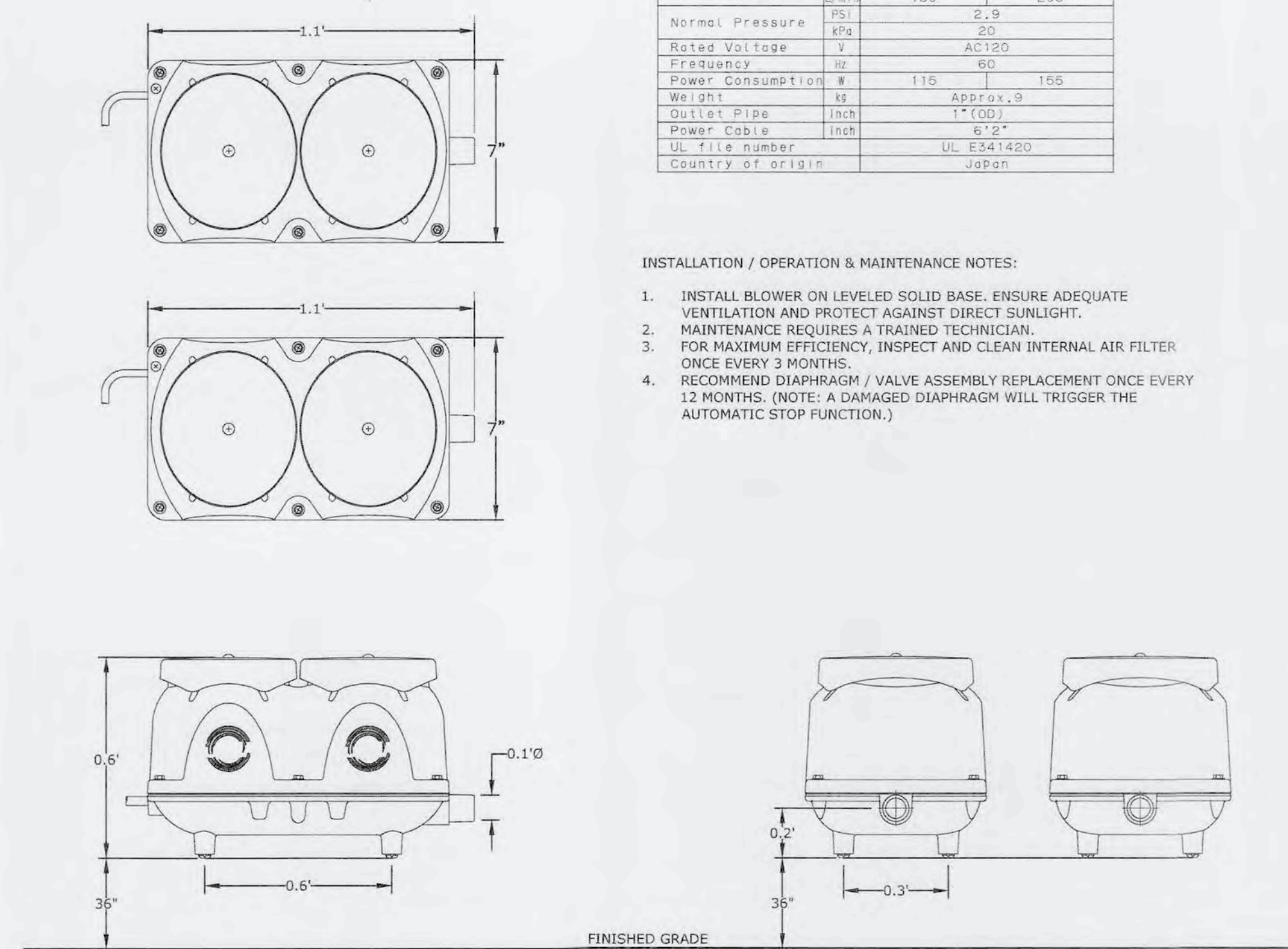
SEE DRAWING # 1 OF 9

REVIEWER'S INITIALS: AC

Model	Specifications	MAC150R11	MAC200R11
Air Flow Volume	CFM	5.3	7.1
	g/min	150	200
Normal Pressure	PSI	2.9	
	MPa	20	
Rated Voltage	V	AC120	
Frequency	Hz	60	
Power Consumption	W	110	155
Weight	kg	Approx. 9	
Outlet Pipe	Inch	1" (OD)	
Power Cable	Inch	6.2"	
UL file number	Inch	UL E341420	
Country of origin		Japan	

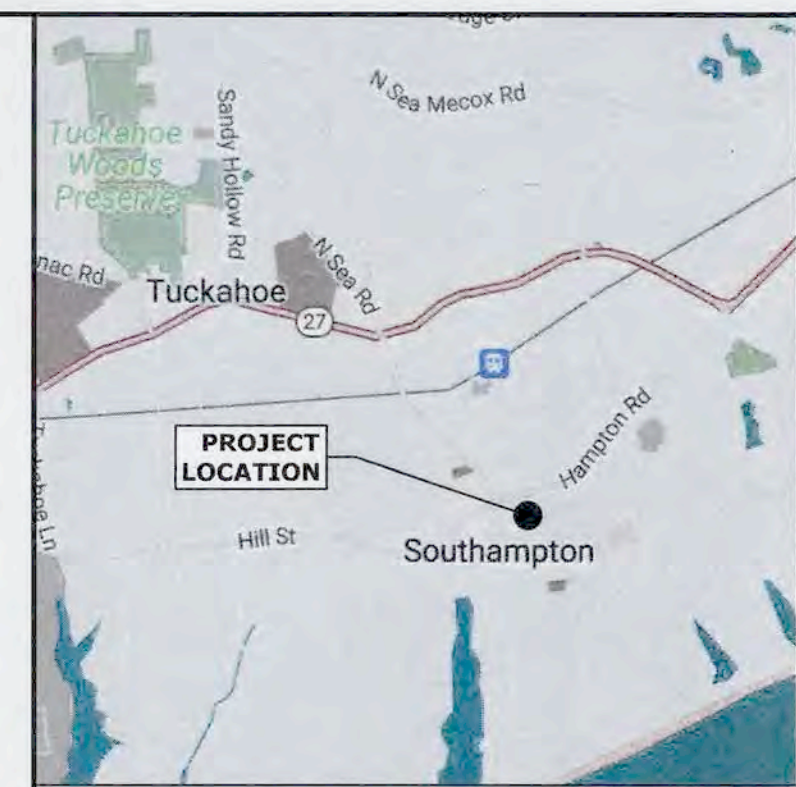
INSTALLATION / OPERATION & MAINTENANCE NOTES:

1. INSTALL BLOWER ON LEVELLED SOLID BASE. ENSURE ADEQUATE VENTILATION AND PROTECT AGAINST DIRECT SUNLIGHT.
2. MAINTENANCE REQUIRES A TRAINED TECHNICIAN.
3. FOR MAXIMUM EFFICIENCY, INSPECT AND CLEAN INTERNAL AIR FILTER ONCE EVERY 3 MONTHS.
4. RECOMMEND DIAPHRAGM / VALVE ASSEMBLY REPLACEMENT ONCE EVERY 12 MONTHS. (NOTE: A DAMAGED DIAPHRAGM WILL TRIGGER THE AUTOMATIC STOP FUNCTION.)



CHAMBER	Volume (gal)
1 Sedimentation Chamber	1,200
2 Anaerobic Filtration Chamber	1,198
3 Aerobic Contact Filtration Chamber	350
4 Clarification Chamber	268
5 Disinfection Chamber	17
Total Volume	3,233

SPECIFICATIONS	
Anaerobic Media	PP/PE
Board Type Aerobic Media	PVC/PP/PE
Blower	7.0mm
Tank	FRP
Piping	PVC/PP/PE
Access Cover	FRP/Steel Trunk
Disinfectant (Optional)	Chlorine Tablets



LOCATION MAP
N.T.S.

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SANITARY SYSTEM IMPROVEMENTS

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APPROVED

REFERENCE NUMBER: **C-23-0320**

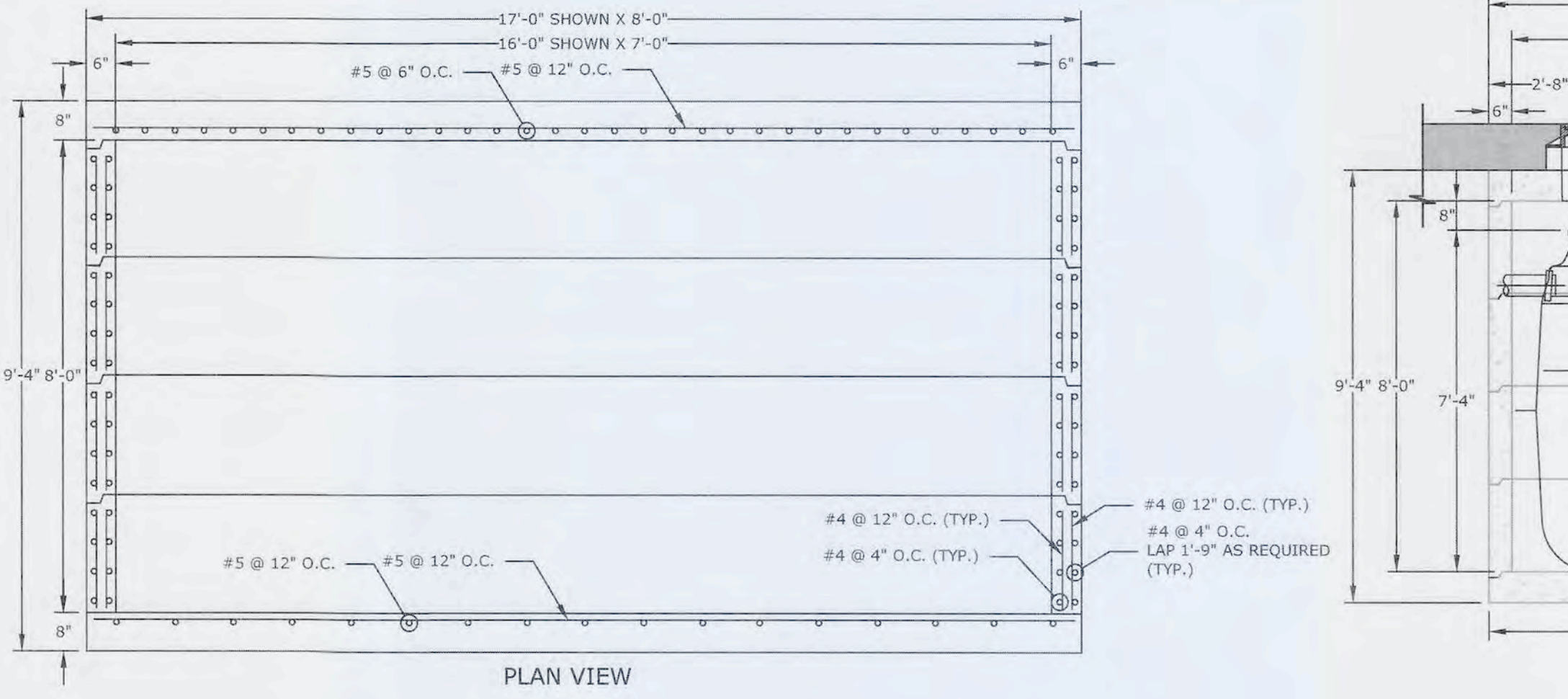
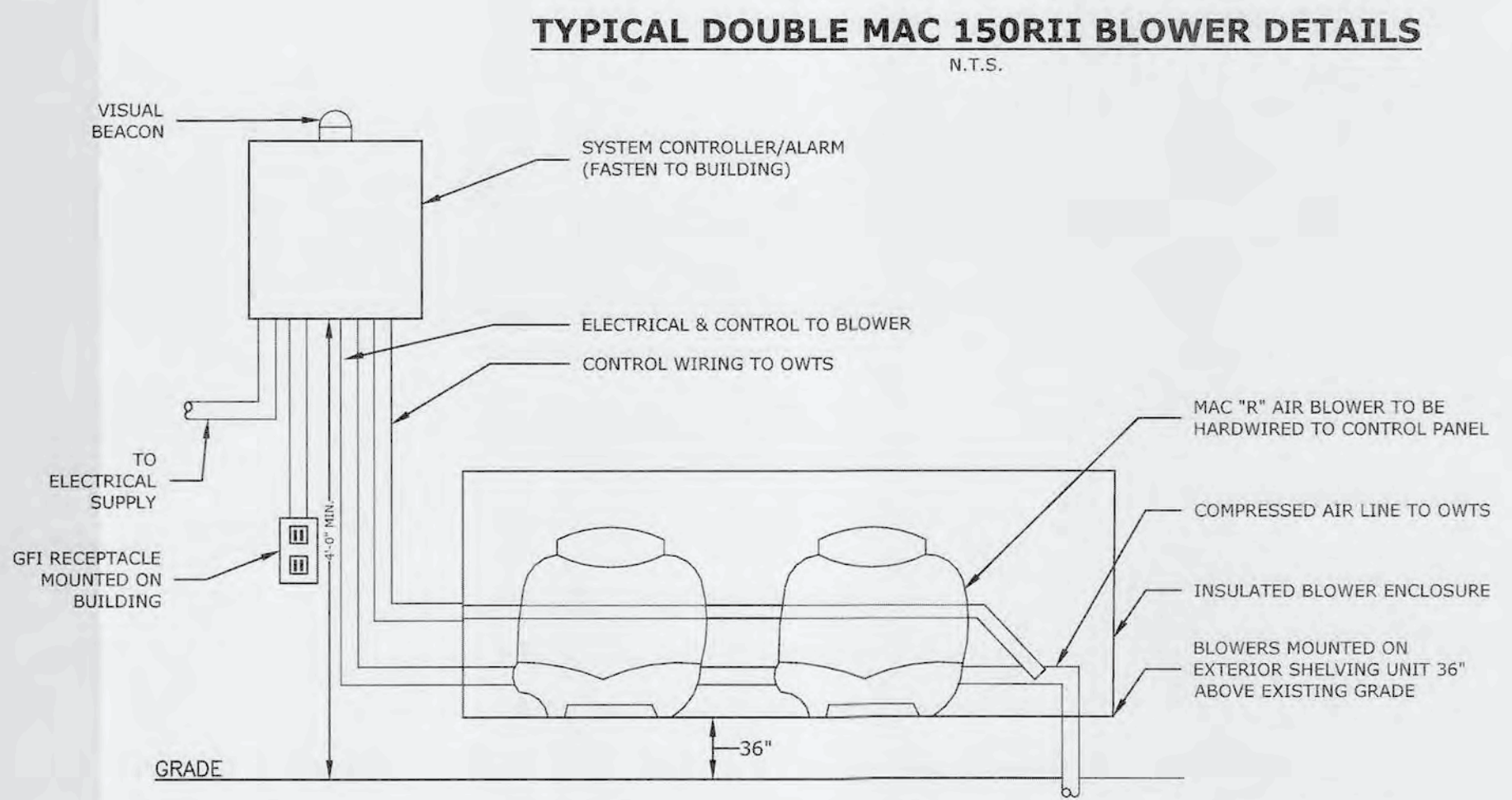
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REVIEWER'S INITIALS: **AC**

DRAWING TITLE: **SANITARY DETAILS I**

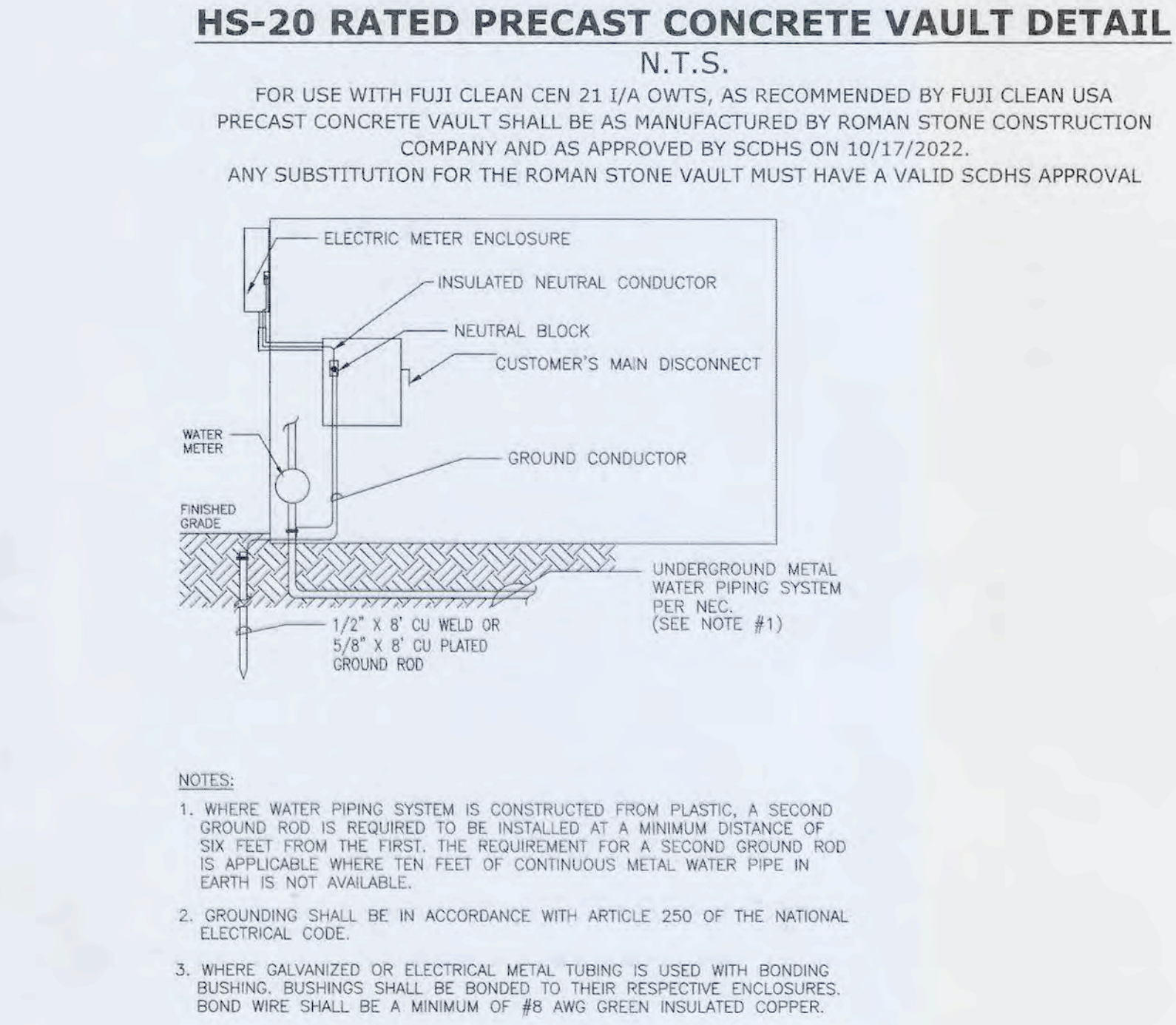
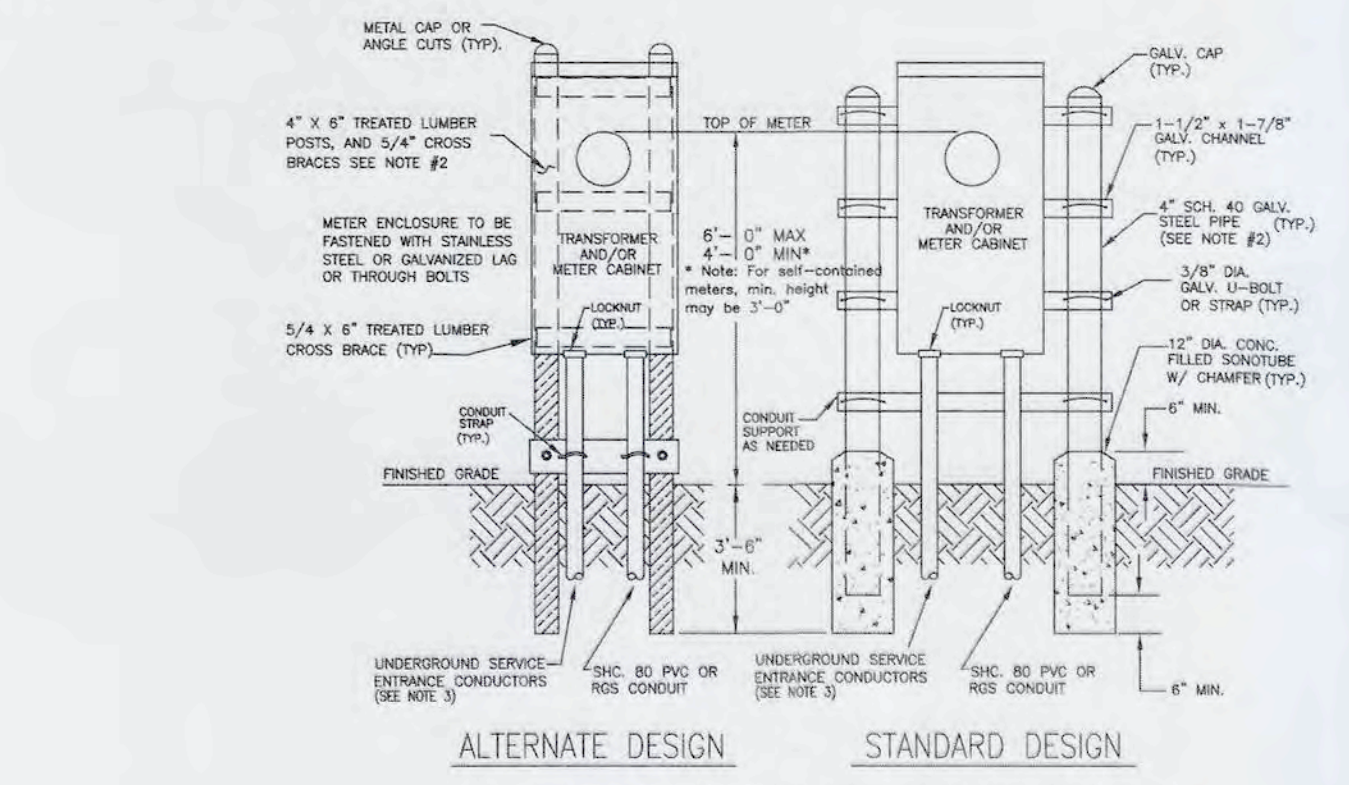
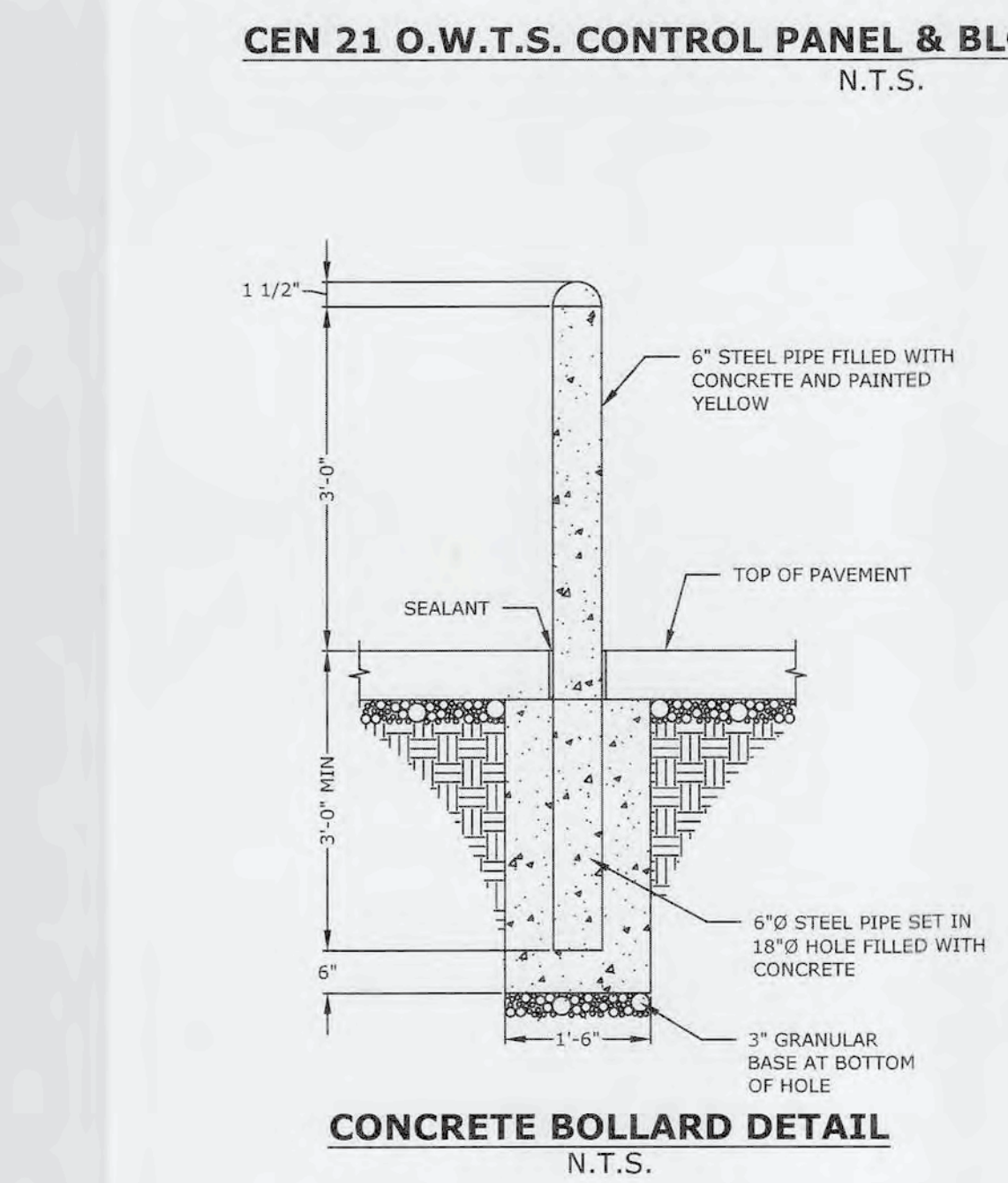
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Design By: KJP
Drawn By: KJP
Approved By: MCJ / KJP
Scale: AS NOTED
Date: JAN. 2024
File No: 22170.000
Sheet No. **C-8** OF 13

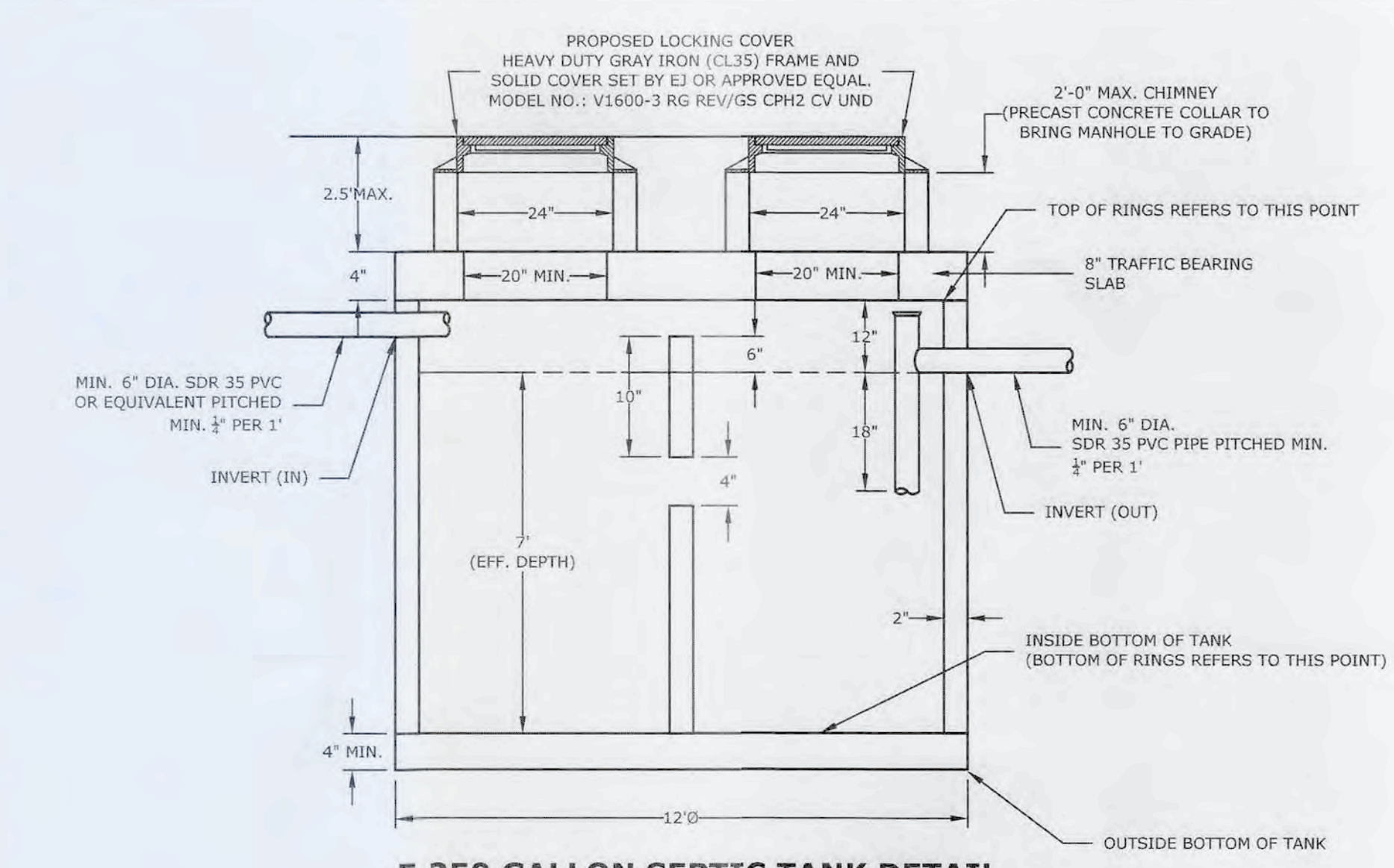
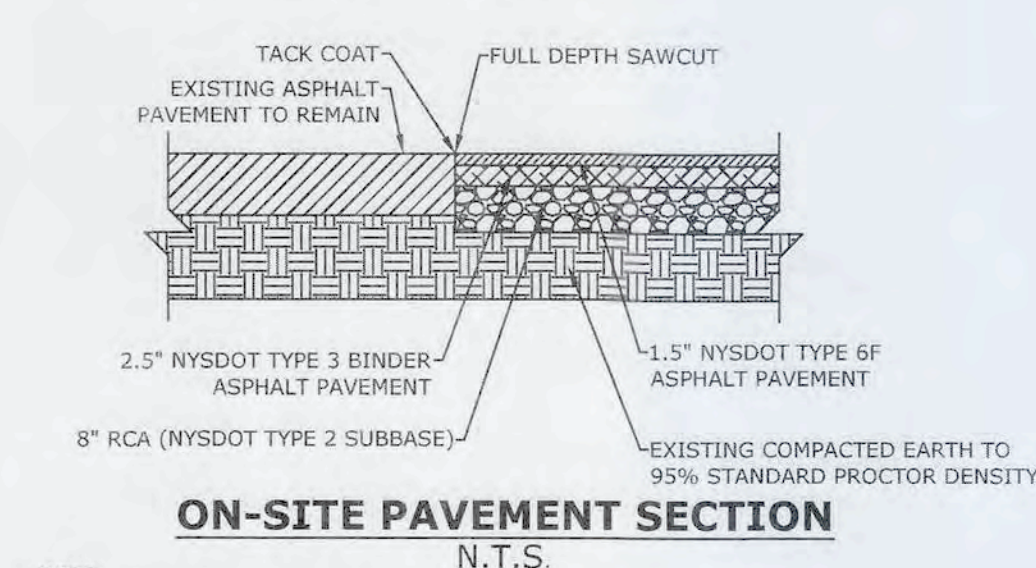
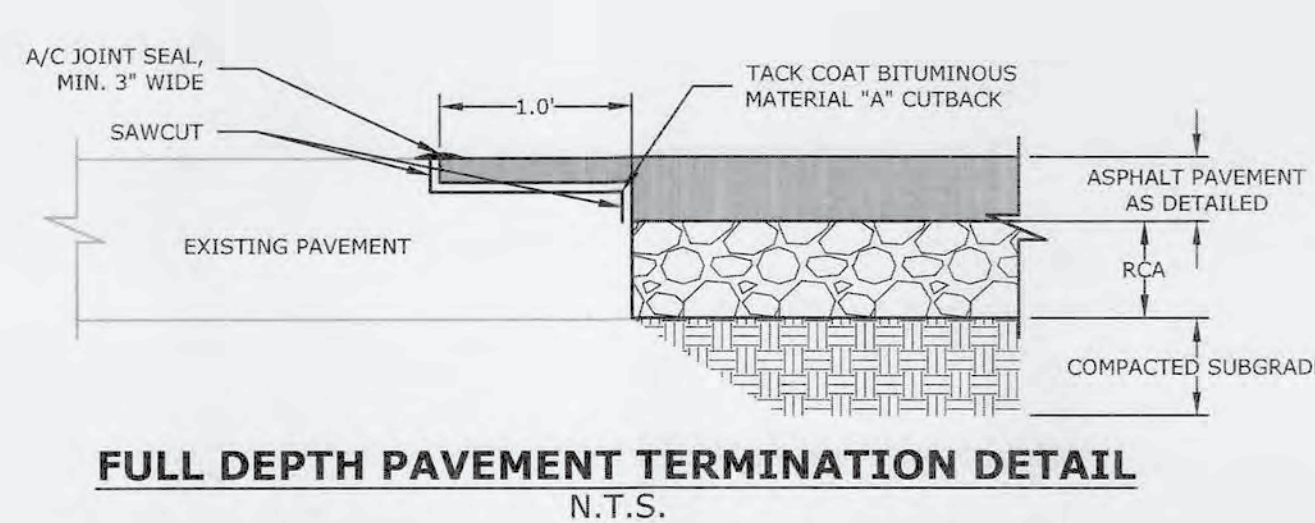
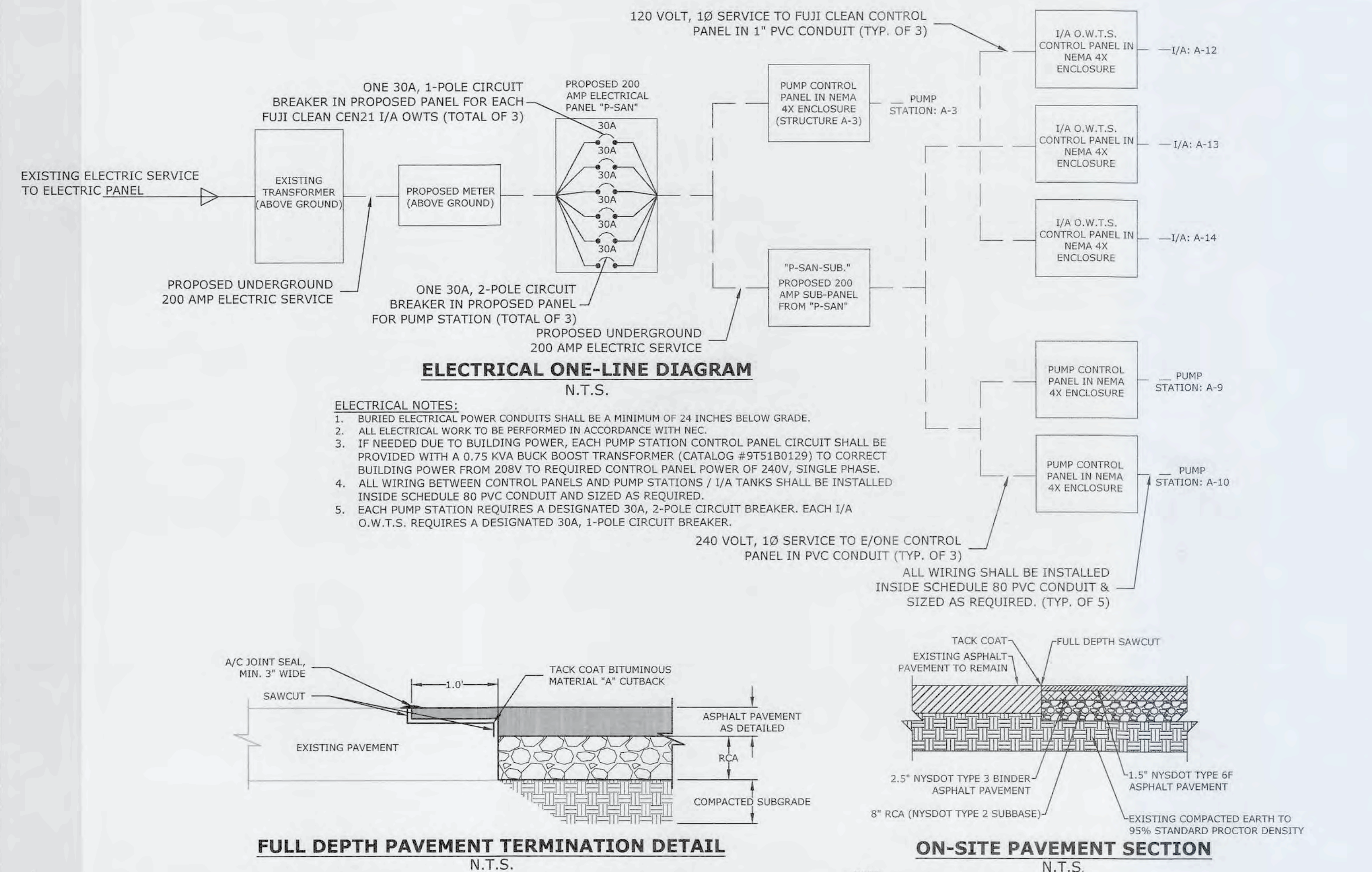
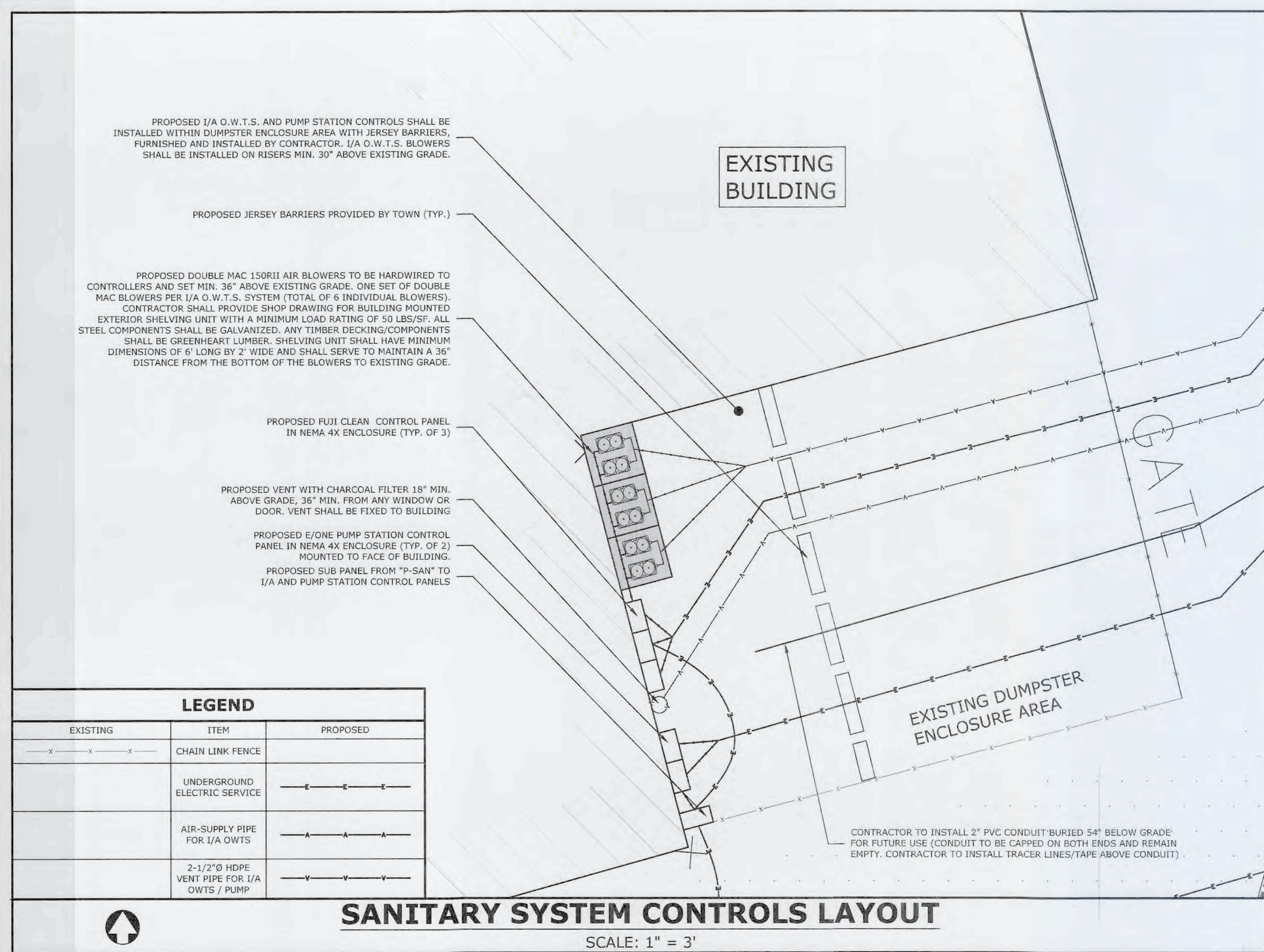


CONCRETE VAULT NOTES:

1. CONTRACTOR SHALL FURNISH AND PERMANENTLY INSTALL AT LEAST ONE READILY AVAILABLE SUCTION LINE (MINIMUM 3/4" Ø) WITHIN EACH PRECAST CONCRETE CONTAINMENT VAULT, EXTENDING FROM A MAXIMUM OF 3 INCHES ABOVE THE VAULT'S BOTTOM TO THE ACCESS RISER, A MAXIMUM OF 1-FOOT BELOW FINISHED GRADE. THIS SUCTION LINE IS REQUIRED TO BE PRESENT TO ALLOW FOR PURGING OF TRAPPED STORMWATER WITH THE USE OF A PORTABLE, SELF-PRIMING PUMP AS PART OF THE ROUTINE OPERATIONS AND MAINTENANCE SERVICING OF THE I/A OWTS.
2. CONTRACTOR SHALL CONFIRM PIPE KNOCKOUT ELEVATIONS ARE CONSISTENT WITH STAMPED APPROVED PLAN.
3. CONCRETE VAULT SHALL BE PRECAST REINFORCED CONCRETE, TRAFFIC BEARING AASHTO H-20 LOADING.
4. CONCRETE MINIMUM STRENGTH: 4,000 PSI @ 28 DAYS.
5. ALL FRAMES & COVERS SHALL BE WATER-TIGHT, INSECT-PROOF AND LOCKABLE.
6. CHIMNEYS SHALL BE REINFORCED PRECAST CONCRETE AND MAY NOT EXCEED TWO FEET IN HEIGHT. (TYP.)
7. PRECAST CONCRETE SECTIONS SHALL BE SEALED WITH 1 INCH BUTYL RUBBER JOINT SEALANT WHICH CONFORMS TO ASTM C-990.
8. UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THESE LOCATIONS.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE ANY DISTURBED AREAS.

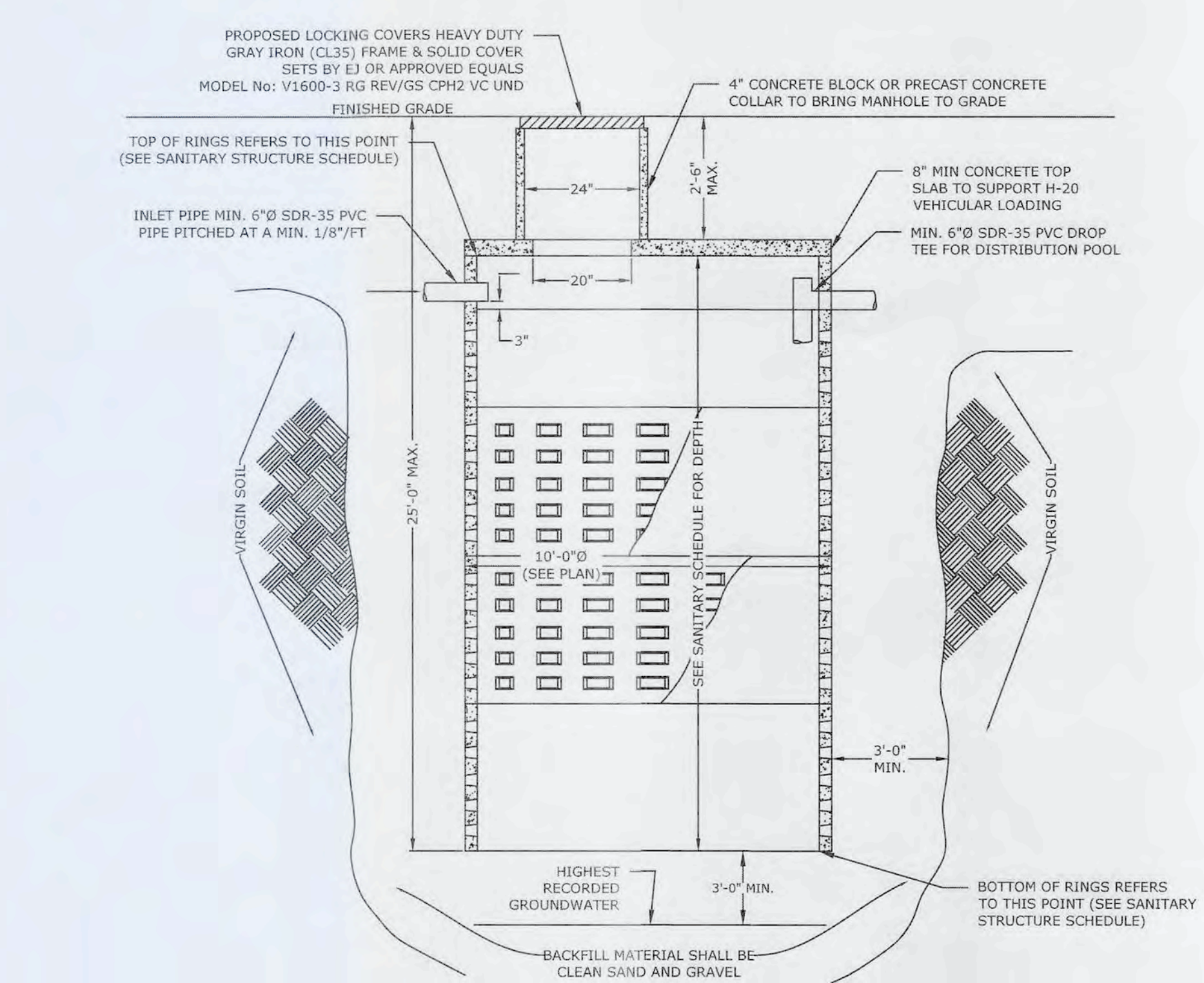


CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER OF RECORD FOR REVIEW PRIOR TO CONSTRUCTION FOR ANY DETAIL NOT PROVIDED IN THIS PLAN SET.



NOTES:

- FOR SEPTIC TANKS INSTALLED IN GROUNDWATER, THE BOTTOM AND SIDE PORTIONS, UP TO 18" ABOVE HIGHEST RECORDED GROUNDWATER ELEVATION, OF THE SEPTIC TANK SHALL BE MONOLITHICALLY CONSTRUCTED. IN CASES WHERE THIS IS NOT PRACTICABLE, THE SEPTIC TANK SHALL BE WATERPROOFED UP TO 18" ABOVE THE HIGHEST RECORDED GROUNDWATER ELEVATION.
- FOR GREASE TRAPS INSTALLED IN GROUNDWATER, THE BOTTOM AND SIDE PORTIONS, UP TO 18" ABOVE HIGHEST RECORDED GROUNDWATER ELEVATION, OF THE GREASE TRAP SHALL BE MONOLITHICALLY CONSTRUCTED. IN CASES WHERE THIS IS NOT PRACTICABLE, THE GREASE TRAP UNIT SHALL BE WATERPROOFED UP TO 18" ABOVE THE HIGHEST RECORDED GROUNDWATER ELEVATION.
- SLABS SHALL BE PRECAST REINFORCED CONCRETE, TRAFFIC BEARING AASHTO H-20 LOADING UNLESS OTHERWISE NOTED.
- CONCRETE MINIMUM STRENGTH: 4,000 PSI @ 28 DAYS
- ALL FRAMES & COVERS SHALL BE WATER-TIGHT, INSECT-PROOF AND LOCKABLE UNLESS OTHERWISE NOTED.
- CHIMNEYS SHALL BE REINFORCED PRECAST CONCRETE AND MAY NOT EXCEED TWO FEET IN HEIGHT UNLESS OTHERWISE NOTED (TYP.).
- UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THESE LOCATIONS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE ANY DISTURBED AREAS.



LEACHING/DISTRIBUTION POOL DETAIL
(SCDHS STANDARD DETAIL)
N.T.S.

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES APPROVAL

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES

APPROVED

REFERENCE NUMBER: **C-23-0320**

SEE DRAWING # **1** OF **9**

REVIEWER'S INITIALS: **AC**

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER OF RECORD FOR REVIEW PRIOR TO CONSTRUCTION FOR ANY DETAIL NOT PROVIDED IN THIS PLAN SET.



PROJECT DATA

APPLICANT/OWNER... TOWN OF SOUTHAMPTON
116 HAMPTON ROAD
SOUTHAMPTON, NY 11968
631-702-1750

TAX MAP NUMBER... Dist. 904, Sect. 7, Block 4, Lot 1.2

SITE AREA... 106,694 SF (2.449 ACRES)

ZONING... R-12.5 (RESIDENTIAL), VILLAGE OF SOUTHAMPTON

USE... MUNICIPAL OFFICE SPACE

GROSS FLOOR AREA... LOWER BASEMENT... 3,913 SF
FIRST FLOOR... 20,450 SF
SECOND FLOOR... 20,060 SF
THIRD FLOOR... 12,132 SF
TOTAL BUILDING GFA... 77,225 SF

SITE CIVIL ENGINEER:

LKMA

L. K. McLEAN ASSOCIATES, P.C.
CONSULTING ENGINEERS 437 SOUTH COUNTRY RD., BROOKHAVEN, NEW YORK 11719

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PROJECT:

TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY

TOWN HALL

SANITARY SYSTEM IMPROVEMENTS

116 HAMPTON ROAD
SOUTHAMPTON, NY 11968

ISSUES/REVISIONS

Description	No.	Date
MISC. REVISIONS	1	6/23/2023
MISC. REVISIONS	2	8/2/2023
MISC. REVISIONS	3	10/5/2023
REV. PER SCDHS W/M NO. #1 DATED 11/14/2023	4	11/16/2023

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES APPROVAL

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES

APPROVED

REFERENCE NUMBER: **C-23-0320**

SEE DRAWING # **1** OF **9**

REVIEWER'S INITIALS: **AC**

Call 811 before you dig

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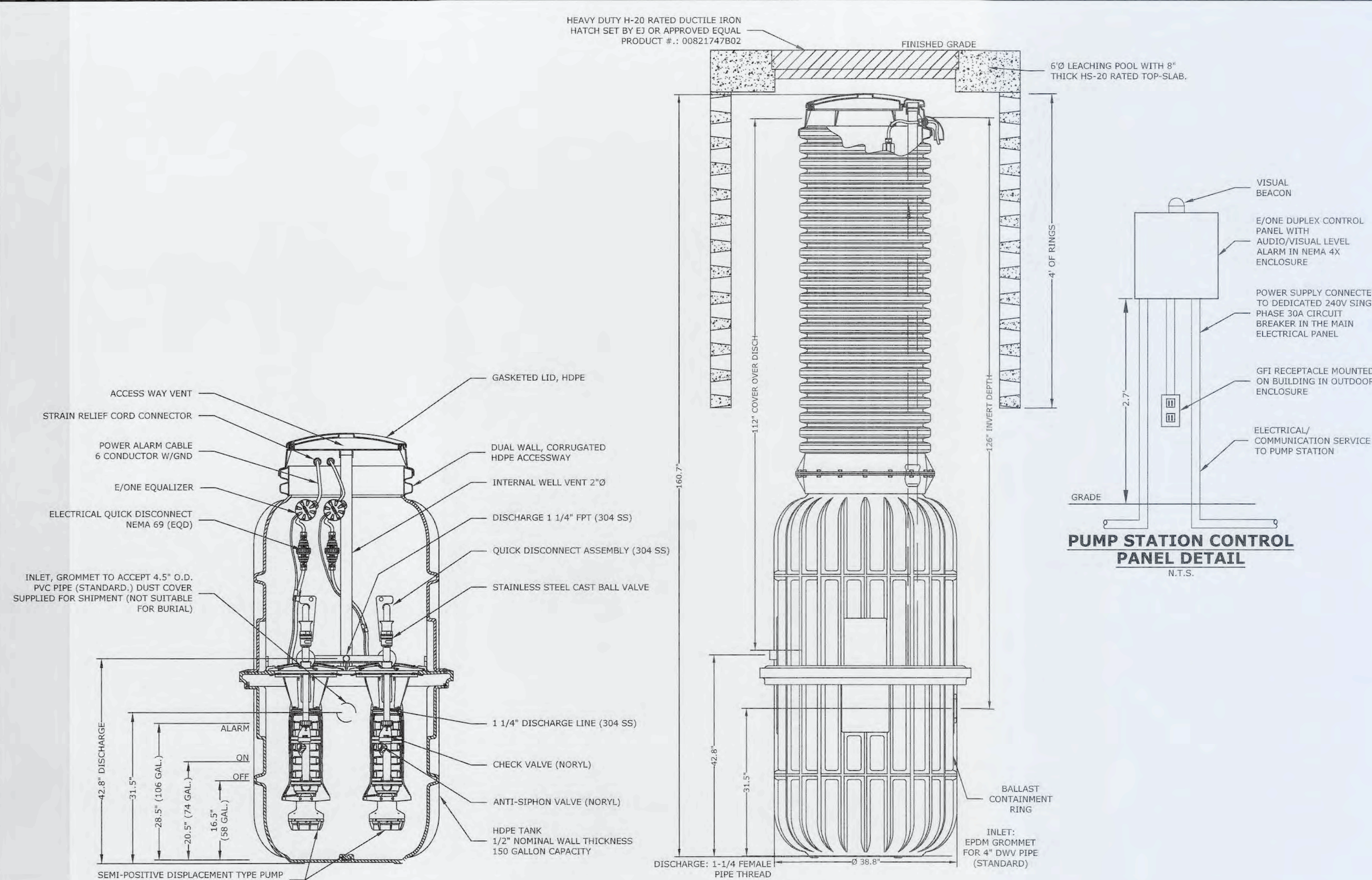
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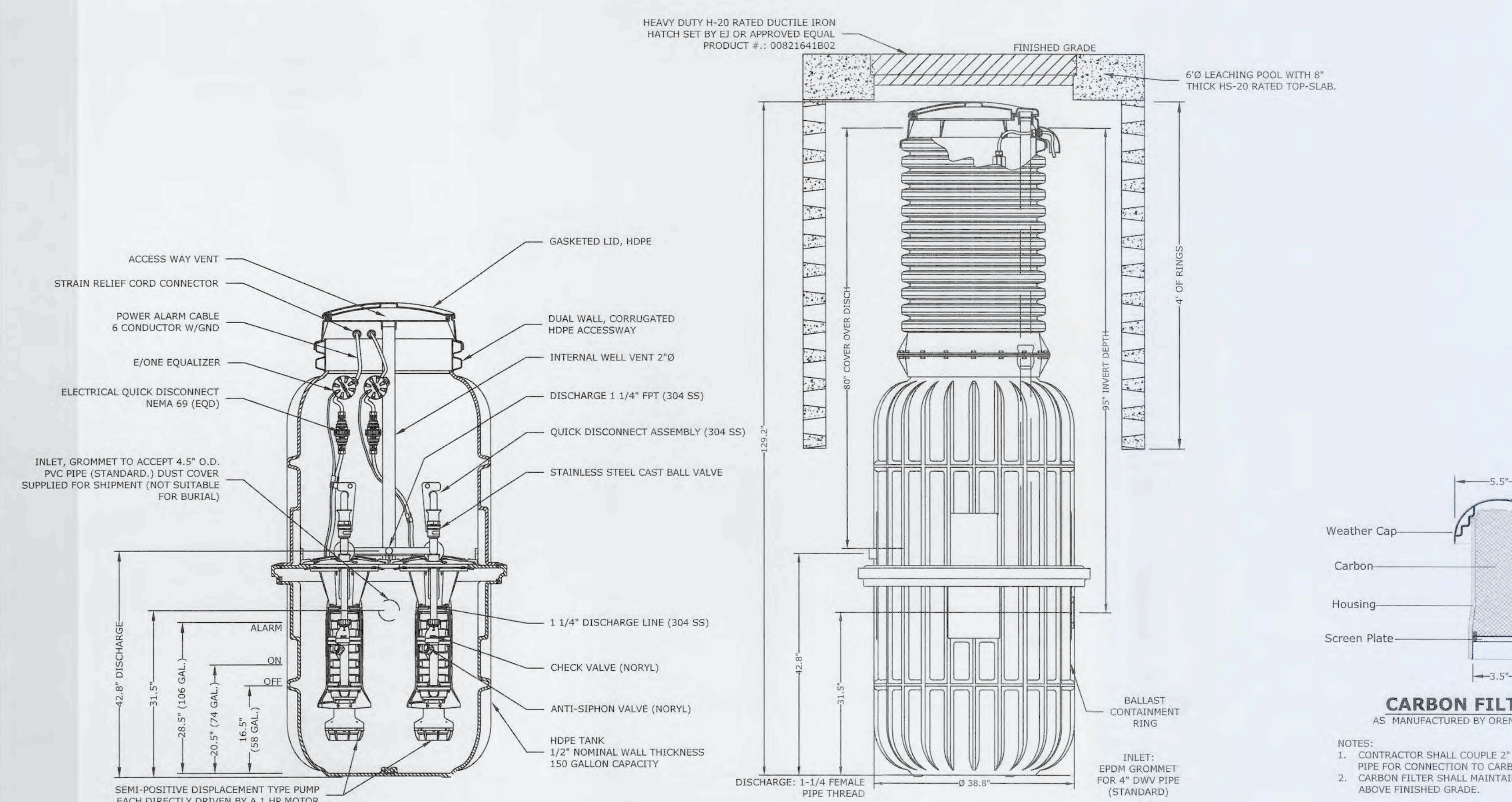
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Date: JAN. 2024
File No: 22170.009
Sheet No.

C-9 OF 13

Jan 17, 2024 - 09:56am
 P:\212170-000 TOSH Town Hall Sanitary\Civil Dwg\Contract Drawings\Sanitary Details +Profile.dwg



E/ONE DX152-160 EXPLOSION PROOF PUMP STATION DETAIL
 N.T.S.
 NOTE: STRUCTURE IN 6'0" LEACHING POOL WITH H-20 RATED 8" TOP SLAB



E/ONE DX152-129 EXPLOSION PROOF PUMP STATION DETAIL
 N.T.S.
 NOTE: STRUCTURE IN 6'0" LEACHING POOL WITH H-20 RATED 8" TOP SLAB

BASIS OF PUMP DESIGN
 STRUCTURE A-3: E-ONE EXPLOSION PROOF PUMP
 (MODEL: DX152-129)

INPUT PARAMETERS:
 DISCHARGE PIPE DIAMETER (INSIDE) = 1.25"
 TRANSPORT PIPE LENGTH = 98.08'
 HAZEN WILLIAMS ROUGHNESS COEFFICIENT 'C' = 150 (HDPE PIPE)
 TOTAL SANITARY FLOW TO PUMP STATION = 1384.72 GPD
 PUMP PIT/SUMP ELEVATION = 22.35'
 PUMP OFF ELEVATION = 22.35' + 16.5" = 23.73'
 INVERT ELEVATION INTO DISTRIBUTION BOX = 29.47'
 MAXIMUM ELEVATION LIFT = 29.47' - 23.73' = 5.74'

DESIGN CALCULATIONS:
 FLOW BEING PUMPED BY PUMP STATION OVER 12 HOUR PERIOD:
 $1384.72 \text{ GPD} = 1.92 \text{ GPM} \times 4.21 \text{ PEAK FACTOR} = 8.08 \text{ GPM, SAY } 8.10 \text{ GPM}$
 (12 hrs * 60 min/hr)
 USE 14.15 GPM IN ORDER TO MAINTAIN A TRANSPORT VELOCITY ABOVE 2 FT/S

PIPE VELOCITY EQUATION:
 $V = \frac{0.4084 \times Q}{d^{0.75}} = \frac{0.4084 \times 14.15}{(1.25)^{0.75}} = 3.70 \text{ ft/s}$

TOTAL DYNAMIC HEAD (TDH) CALCULATION:
 TDH = VERTICAL LIFT + FRICTION LOSS

VERTICAL LIFT = 5.74'

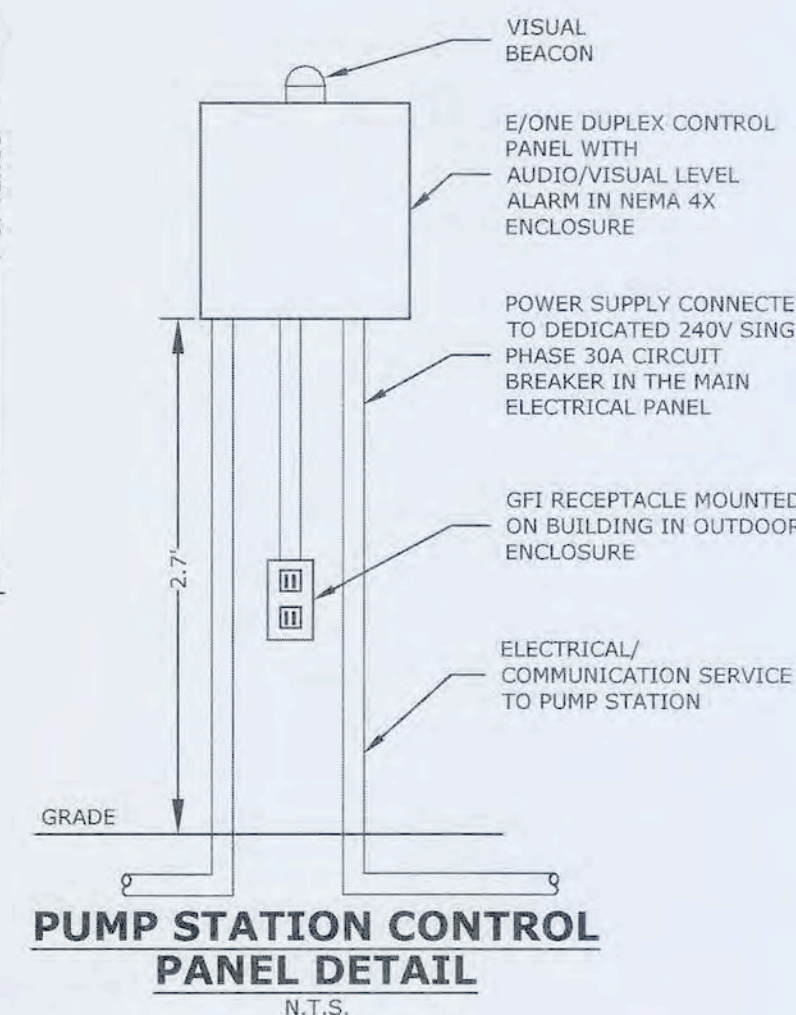
FRICTION LOSS:
 EQUIVALENT LENGTH OF FITTINGS:
 3 * 90° ELBOW @ 3.8' PER ELBOW = 11.4'
 1 * CHECK VALVE @ 11.5' EACH = 11.5'
 1 * GATE VALVE @ 0.9' EACH = 0.9'
 EQUIVALENT LENGTH OF FITTINGS = 23.8'

TOTAL EQUIVALENT LENGTH OF PIPE IN LOW-PRESSURE SYSTEM = 98.08' + 23.8' = 121.88'
 FRICTION LOSS THROUGH PIPE: USE HAZEN WILLIAMS EQUATION
 $h = \frac{10.44(Q^{1.85})}{(C^{1.85})(d^{4.87})} = \frac{10.44(14.15^{1.85})}{(150^{1.85})(1.25^{4.87})} = 5.44'$

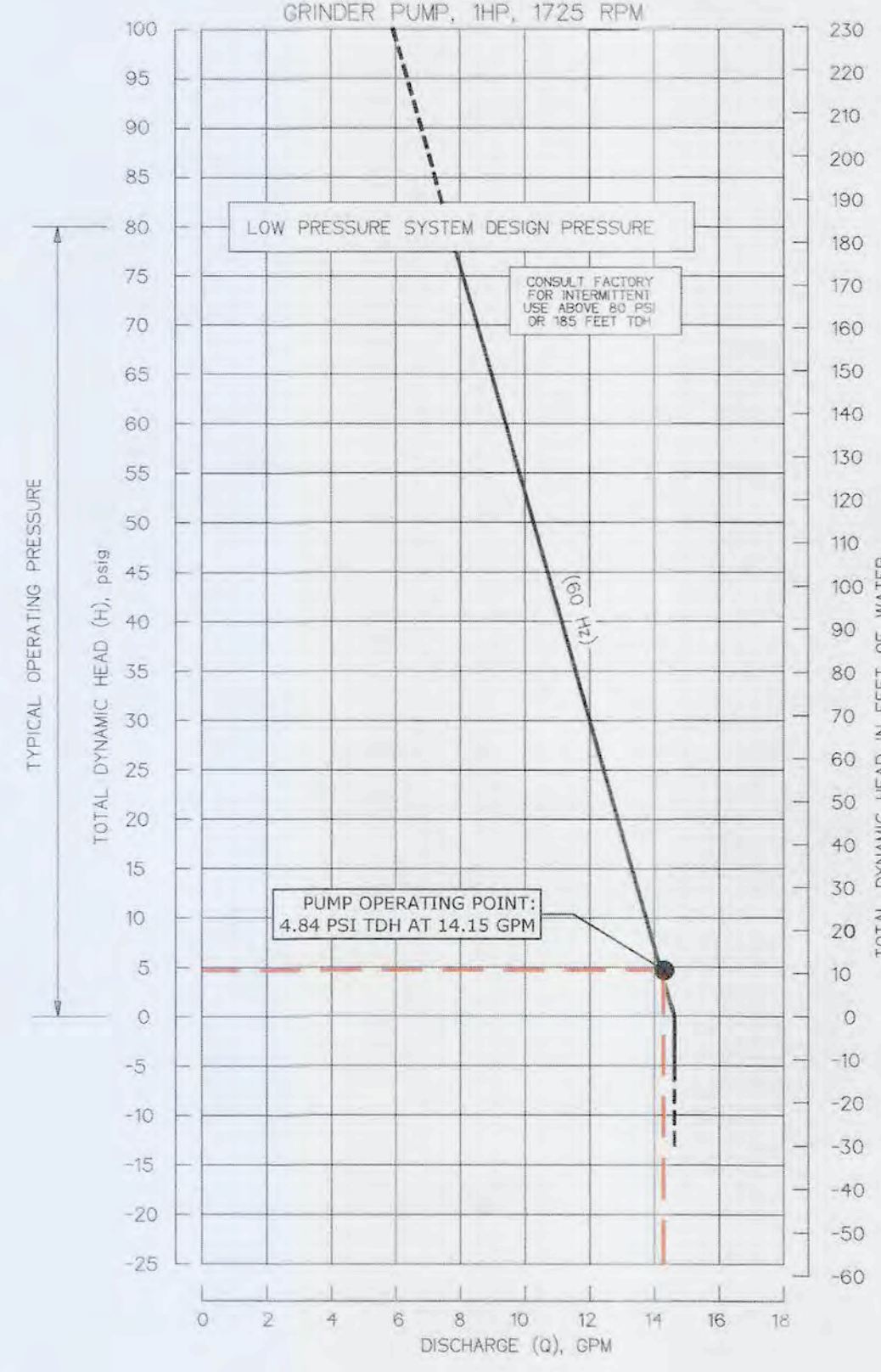
FRICTION LOSS THROUGH PIPE = 5.44'

TDH = VERTICAL LIFT + FRICTION LOSS = 5.74' + 5.44' = 11.18' OR 4.84 PSI TDH

PROPOSED DUPLEX GRINDER PUMP STATION
 E/ONE SUBMERSIBLE SEMI-POSITIVE DISPLACEMENT TYPE DUPLEX GRINDER PUMP
 = 14.15 GPM @ 4.84 PSI TDH
 240V, SINGLE PHASE (60 HZ), 1 HP, 1725 RPM



E/ONE SPD PUMP PERFORMANCE CURVE



BASIS OF PUMP DESIGN
 STRUCTURES A-9 AND A-10: E-ONE EXPLOSION PROOF PUMP
 (MODEL: DX152-160)

INPUT PARAMETERS:
 DISCHARGE PIPE DIAMETER (INSIDE) = 1.25"
 TRANSPORT PIPE LENGTH = 5.11'
 HAZEN WILLIAMS ROUGHNESS COEFFICIENT 'C' = 150 (HDPE PIPE)
 TOTAL SANITARY FLOW TO PUMP STATION = 2271.62 GPD (EACH)
 PUMP PIT/SUMP ELEVATION = 18.60'
 PUMP OFF ELEVATION = 18.60' + 16.5" = 19.98'
 INVERT ELEVATION INTO DISTRIBUTION BOX = 30.35'
 MAXIMUM ELEVATION LIFT = 30.35' - 19.98' = 10.37'

DESIGN CALCULATIONS:
 TOTAL FLOW = 4,543.24 GPD
 TOTAL FLOW WILL BE SPLIT EVENLY INTO TWO (2) E-ONE DH152-160 PUMP STATIONS.
 FLOW BEING PUMPED BY EACH PUMP STATION OVER 12 HOUR PERIOD:
 $2271.62 \text{ GPD} = 3.16 \text{ GPM} \times 4.21 \text{ PEAK FACTOR} = 13.30 \text{ GPM, SAY } 14.00 \text{ GPM}$
 (12 hrs * 60 min/hr)

PIPE VELOCITY EQUATION:
 $V = \frac{0.4084 \times Q}{d^{0.75}} = \frac{0.4084 \times 14.00}{(1.25)^{0.75}} = 3.66 \text{ ft/s}$

TOTAL DYNAMIC HEAD (TDH) CALCULATION:
 TDH = VERTICAL LIFT + FRICTION LOSS

VERTICAL LIFT = 10.37'

FRICTION LOSS:
 EQUIVALENT LENGTH OF FITTINGS:
 3 * 90° ELBOW @ 3.8' PER ELBOW = 11.4'
 1 * CHECK VALVE @ 11.5' EACH = 11.5'
 1 * GATE VALVE @ 0.9' EACH = 0.9'
 EQUIVALENT LENGTH OF FITTINGS = 23.8'

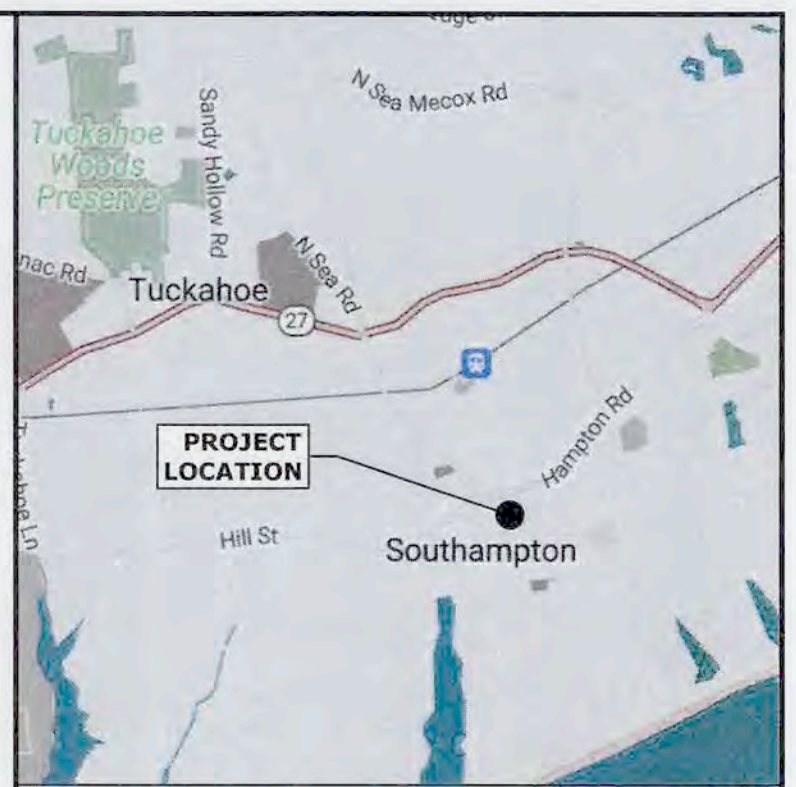
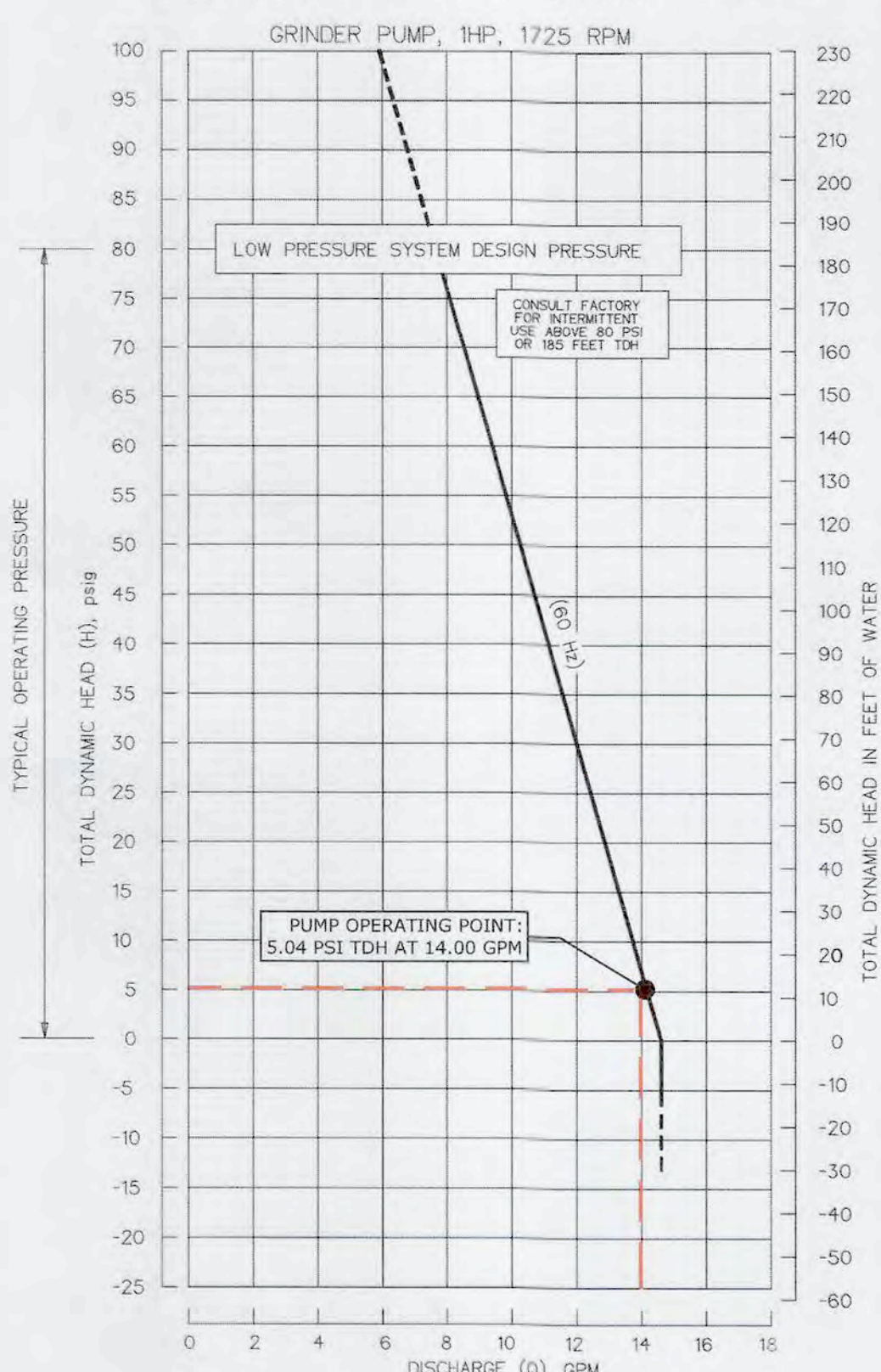
TOTAL EQUIVALENT LENGTH OF PIPE IN LOW-PRESSURE SYSTEM = 5.5' + 23.8' = 29.30'
 FRICTION LOSS THROUGH PIPE: USE HAZEN WILLIAMS EQUATION
 $h = \frac{10.44(Q^{1.85})}{(C^{1.85})(d^{4.87})} = \frac{10.44(14.00^{1.85})}{(150^{1.85})(1.25^{4.87})} = 1.28'$

FRICTION LOSS THROUGH PIPE = 1.28'

TDH = VERTICAL LIFT + FRICTION LOSS = 10.37' + 1.28' = 11.65' OR 5.04 PSI TDH

PROPOSED DUPLEX GRINDER PUMP STATION
 E/ONE SUBMERSIBLE SEMI-POSITIVE DISPLACEMENT TYPE DUPLEX GRINDER PUMP
 = 14.00 GPM @ 5.04 PSI TDH
 240V, SINGLE PHASE (60 HZ), 1 HP, 1725 RPM

E/ONE SPD PUMP PERFORMANCE CURVE



LOCATION MAP
 N.T.S.

PROJECT DATA

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 116 HAMPTON ROAD
 SOUTHAMPTON, NY 11968
 631-702-1750

TAX MAP NUMBER... Dist. 904, Sect. 7, Block 4, Lot 1.2

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USE... MUNICIPAL OFFICE SPACE

GROSS FLOOR AREA... LOWER BASEMENT... 3,913 SF
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 SECOND FLOOR... 20,450 SF
 THIRD FLOOR... 12,132 SF
 TOTAL BUILDING GFA... 77,025 SF

SITE CIVIL ENGINEER:

 L. K. McLEAN ASSOCIATES, P.C.
 CONSULTING ENGINEERS 437 SOUTH COUNTRY RD., BROOKHAVEN, NEW YORK 11719

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PROJECT:
 TOWN OF SOUTHAMPTON
 SUFFOLK COUNTY, NY

TOWN HALL

SANITARY SYSTEM IMPROVEMENTS

116 HAMPTON ROAD
 SOUTHAMPTON, NY 11968

ISSUES/REVISIONS

Description	No.	Date
MISC. REVISIONS	1	6/23/2023
MISC. REVISIONS	2	8/2/2023
MISC. REVISIONS	3	10/5/2023
REV. PER SCDS W/M NOT #1 DATED 11/14/2023	4	11/16/2023

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES APPROVAL

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES

APPROVED

REFERENCE NUMBER: C-23-0320

SEE DRAWING # 1 OF 9

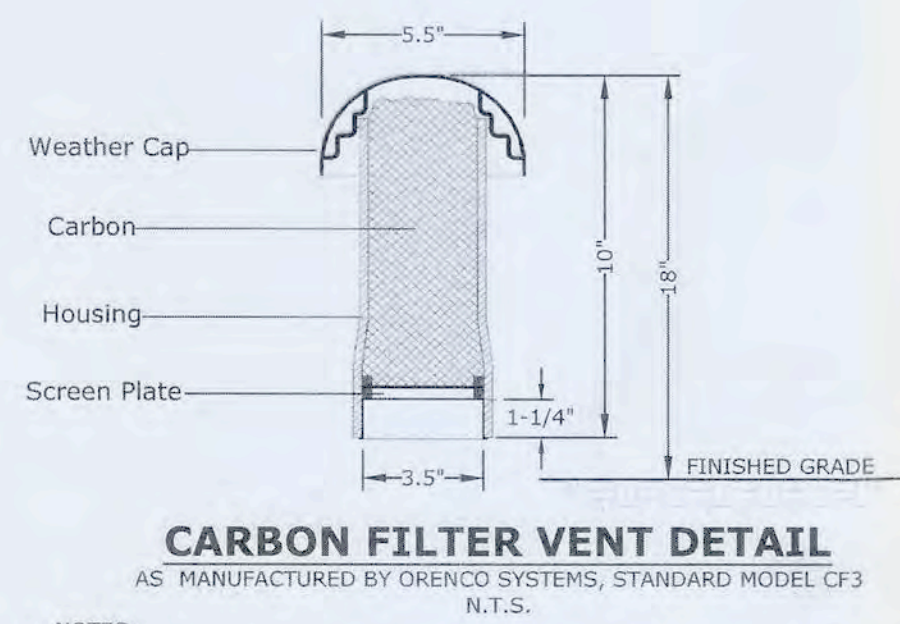
REVIEWER'S INITIALS: AC

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DRAWING TITLE:
SANITARY DETAILS III

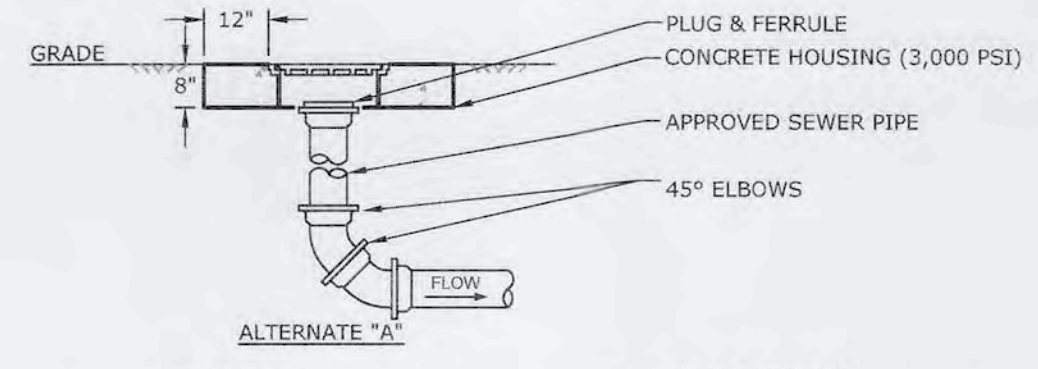
SEAL & SIGNATURE:

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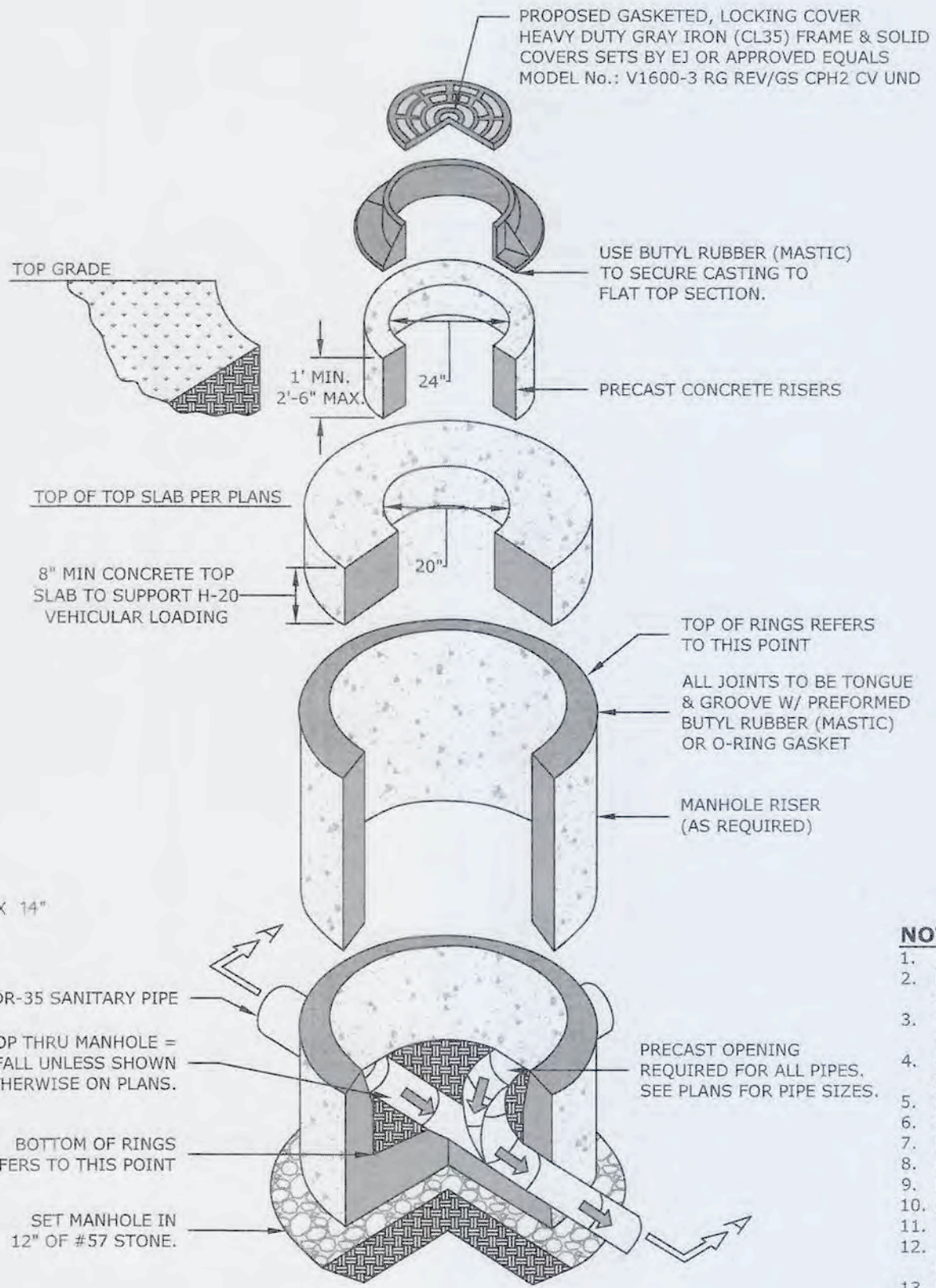


NOTES:
 1. CONTRACTOR SHALL COUPLE 2" VENT PIPE FROM PUMP STATION TO 3" VENT PIPE FOR CONNECTION TO CARBON FILTER.
 2. CARBON FILTER SHALL MAINTAIN 18" MINIMUM VERTICAL CLEARANCE ABOVE FINISHED GRADE.

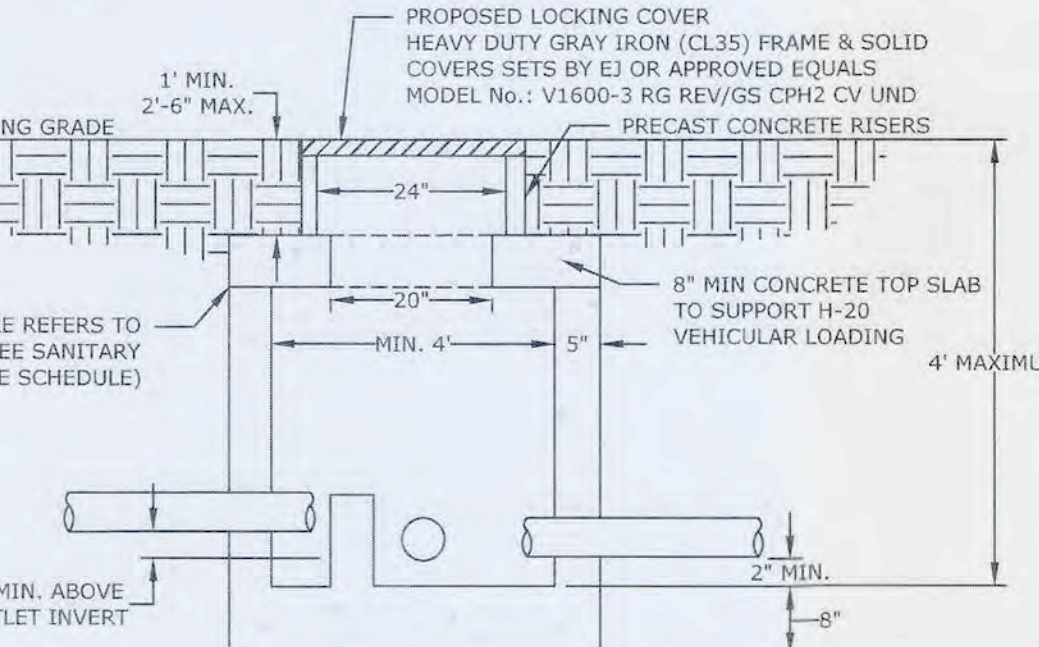
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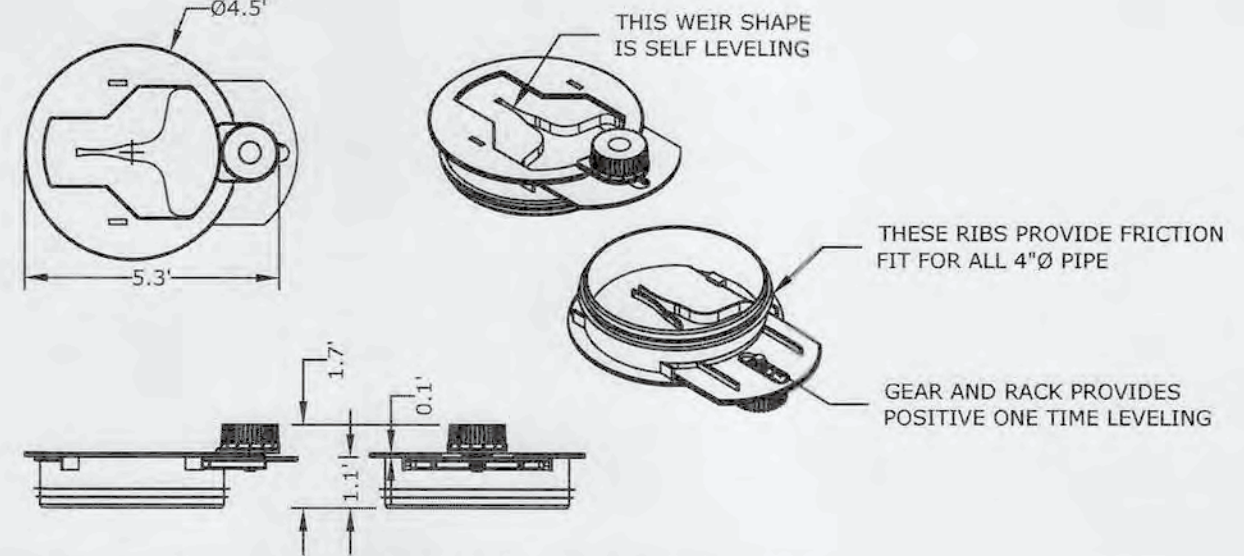
TYPICAL CLEAN-OUT DETAIL
N.T.S.
SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES, STANDARDS FOR APPROVAL OF PLANS AND CONSTRUCTION FOR SEWAGE DISPOSAL SYSTEMS FOR OTHER THAN SINGLE-FAMILY RESIDENCES, FIGURE 15, 12/29/17



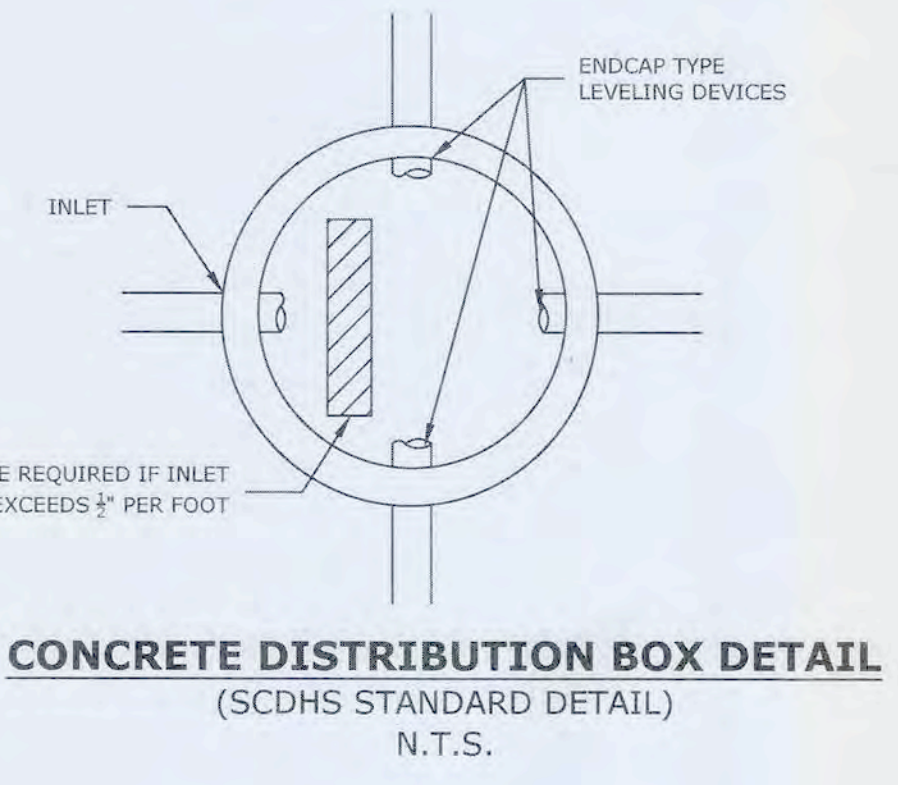
4' FLAT TOP PRECAST MANHOLE DETAIL
N.T.S.



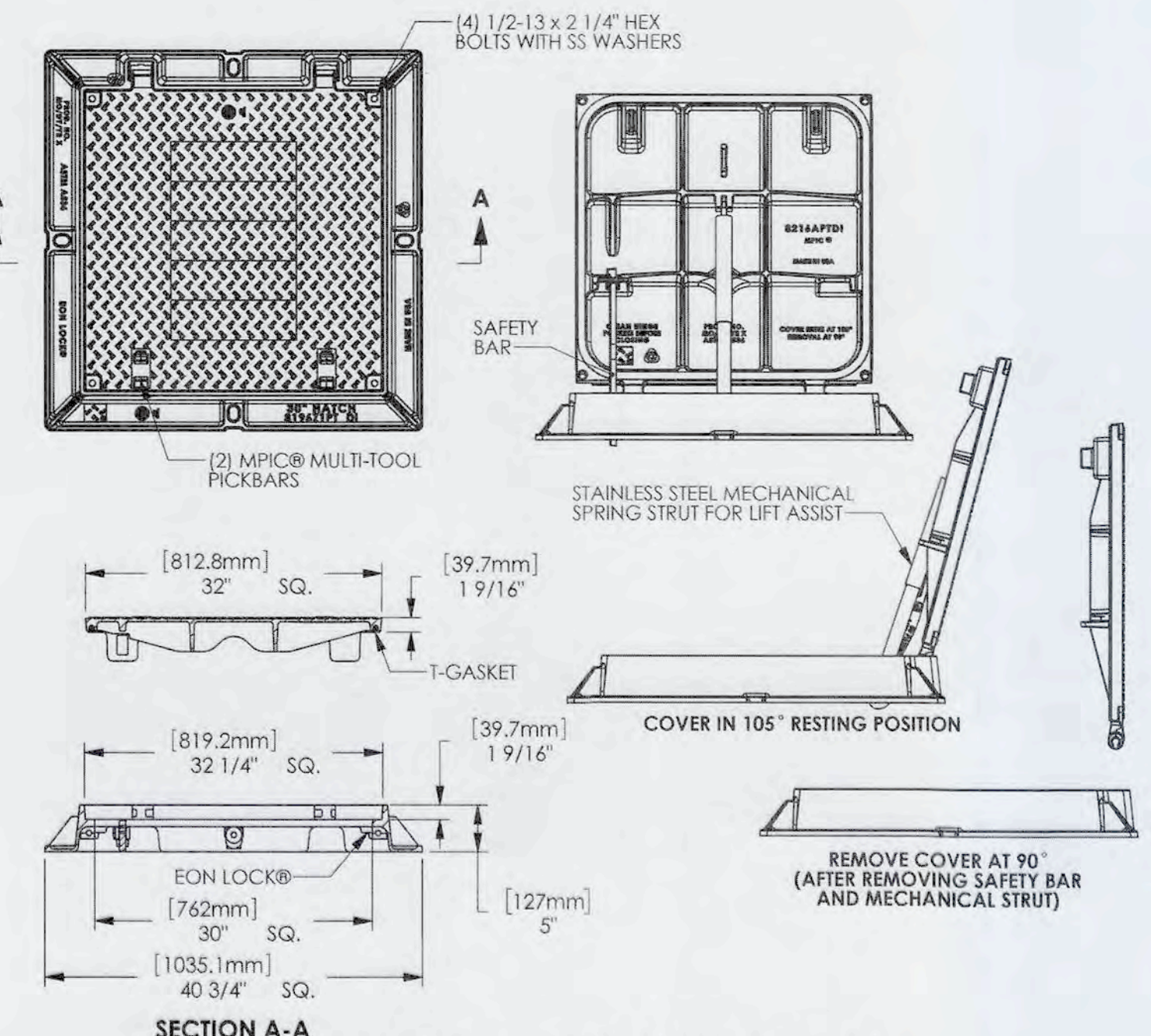
DROP MANHOLE DETAIL - INSIDE VIEW
N.T.S.



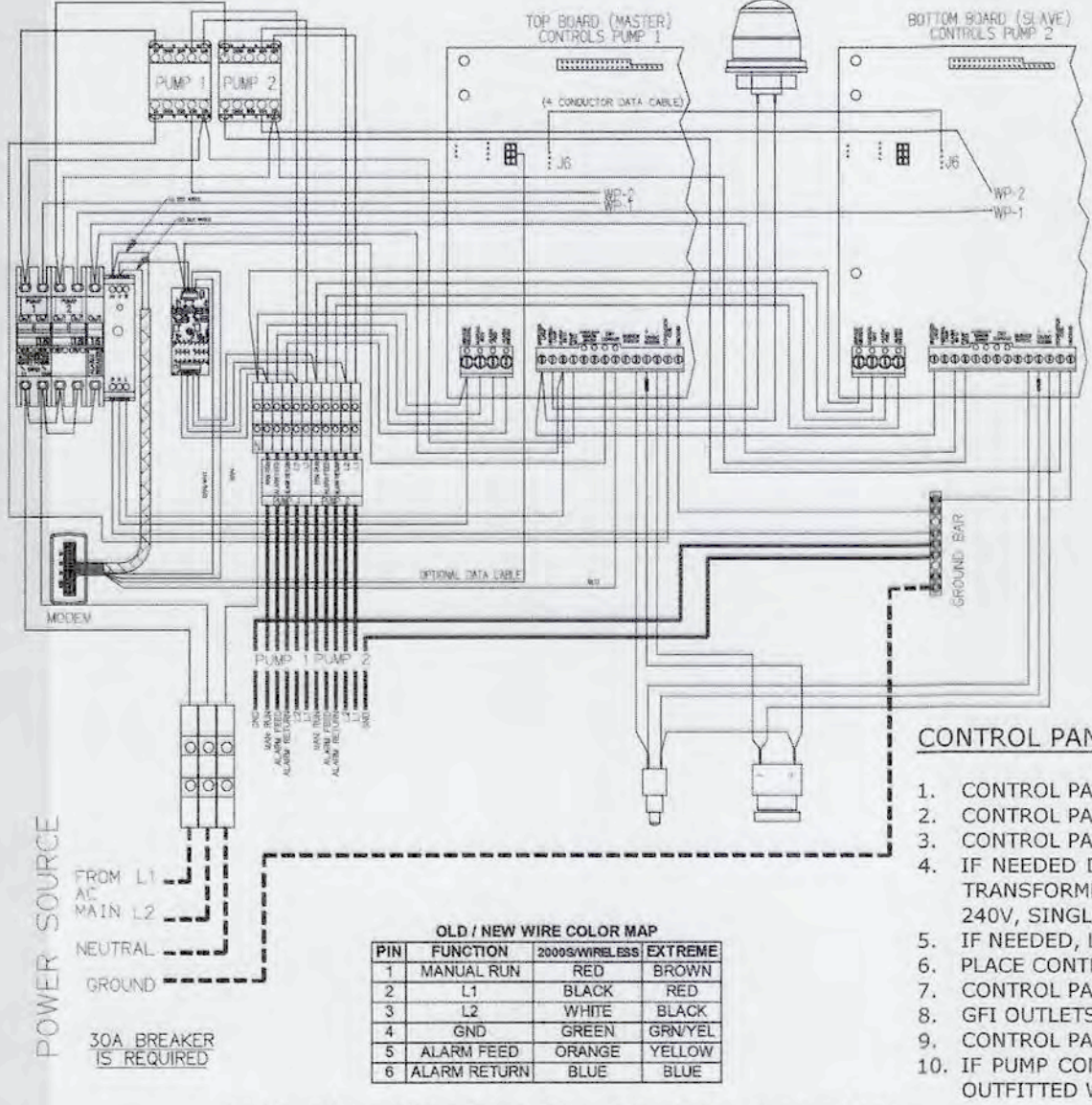
TYPICAL END CAP SPEED LEVELER DEVICE DETAIL
POLYLOK EQUALIZER, PART NO. 3049 OR APPROVED EQUAL MATERIAL: FILLED POLYPROPYLENE
N.T.S.



CONCRETE DISTRIBUTION BOX DETAIL
(SCDHS STANDARD DETAIL)
N.T.S.



DUCTILE IRON HATCH DETAIL
(MODEL #.: 00821641B02 AS MANUFACTURED BY EJ OR APPROVED EQUAL)
N.T.S.



CONTROL PANEL NOTES:

- CONTROL PANEL SHALL BE SENTRY ADVISOR DUPLEX PLUS NEMA 4X BY E/ONE.
- CONTROL PANEL SHALL BE MOUNTED TO THE FACE OF THE BUILDING IN THE AREA INDICATED ON THE PLANS.
- CONTROL PANEL SHALL BE PROVIDED WITH A DEDICATED 30AMP, 240 VOLT SINGLE PHASE CIRCUIT WITH 10/3 WIRE.
- IF NEEDED DUE TO BUILDING POWER, THE CONTROL PANEL CIRCUIT SHALL BE PROVIDED WITH A 0.75 KVA BUCK BOOST TRANSFORMER (CATALOG #915180129) TO CORRECT BUILDING POWER FROM 208V TO REQUIRED CONTROL PANEL POWER OF 240V, SINGLE PHASE.
- IF NEEDED, LOCATE BUCK BOOST TRANSFORMER IN THE BUILDING'S ELECTRICAL EQUIPMENT ROOM.
- PLACE CONTROL PANEL AWAY FROM DOORS AND WINDOWS.
- CONTROL PANEL SHALL NOT HAVE EXPOSED COMPONENTS, WITH THE EXCEPTION OF THE HIGH WATER LEVEL ALARM BEACON.
- GFI OUTLETS SHALL BE PROVIDED NEAR ALL CONTROL PANELS.
- CONTROL PANEL/PUMP STATION SHALL BE PROVIDED WITH A DIALER ALARM THAT IS ACTIVATED BY THE LEVEL ALARM.
- IF PUMP CONTROL PANEL(S) ARE NOT WITHIN THE LINE OF SIGHT OF THE PUMPING STATION, THEN THE PUMPS SHALL BE OUTFITTED WITH LOCAL DISCONNECT SWITCHES AT THE PUMP STATION IN LIEU OF A JUNCTION BOX.

OLD / NEW WIRE COLOR MAP

WIRE FUNCTION	OLD WIRE COLOR	NEW WIRE COLOR
1. MAINLINE RUN	BLACK	BROWN
2. GND	BLACK	YELLOW
3. L2	WHITE	BLACK
4. GND	GREEN	GREEN
5. ALARM FEED	ORANGE	YELLOW
6. TALKER RETURN	BLUE	BLUE

E/ONE CONTROL PANEL DETAIL
N.T.S.



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N.T.S.

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SECOND FLOOR... 20,960 SF
THIRD FLOOR... 12,133 SF
TOTAL BUILDING GFA... 77,025 SF



IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO ALTER IN ANY WAY ANY ITEM ON THESE DRAWINGS. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT/ENGINEER IS ALTERED, THE ALTERING ARCHITECT/ENGINEER SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED" FOLLOWED BY HIS/HER SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION, ON THE DRAWING. THE PLANS AND SPECIFICATIONS HEREIN ARE INTENDED FOR THE SUBJECT PROJECT ONLY AS A RESULT OF CONTRACTUAL NEGOTIATIONS BETWEEN THE OWNER AND L.K. McLEAN ASSOCIATES, P.C. THESE PLANS AND SPECIFICATIONS WILL BE THE SUBJECT OF A COPYRIGHT PETITION AND MAY NOT BE REPRODUCED OR RELIED UPON WITHOUT WRITTEN AUTHORIZATION OF L.K. McLEAN ASSOCIATES, P.C.

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PROJECT:
TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY

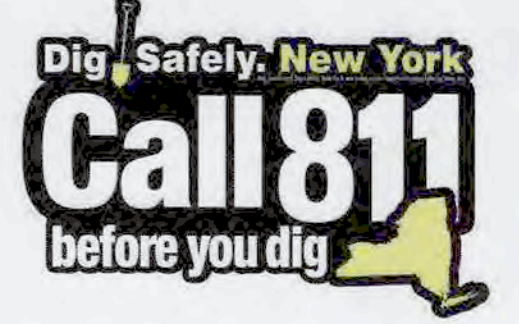
TOWN HALL

SANITARY SYSTEM IMPROVEMENTS

116 HAMPTON ROAD
SOUTHAMPTON, NY 11968

ISSUES/REVISIONS

Description	No.	Date
MISC. REVISIONS	1	6/23/2023
MISC. REVISIONS	2	8/2/2023
MISC. REVISIONS	3	10/5/2023
REV. PER SCDS WMM NO. 1 DATED 11/14/2023	4	11/16/2023



SANITARY DETAILS IV

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES APPROVAL

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES

APPROVED

REFERENCE NUMBER: **C-23-0320**

SEE DRAWING # 1 OF 9

REVIEWER'S INITIALS: **AC**

DESIGN BY: KJP
DRAWN BY: KJP
APPROVED BY: MCJ / KJP
SCALE: AS NOTED
DATE: JAN. 2024
FILE NO.: 22170.000
SHEET NO.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER OF RECORD FOR REVIEW PRIOR TO CONSTRUCTION FOR ANY DETAIL NOT PROVIDED IN THIS PLAN SET.