

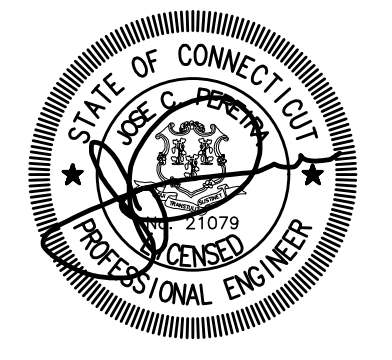
LEGAL ENTITY:
ARCADIS U.S., INC.

CONSULTANTS



Civil • Environmental • Land Surveying
One Enterprise Drive, Suite 312 Phone: (203) 944-9944
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SEALS



TOWN OF SOUTH WINDSOR



BENEDICT DRIVE, CLARK STREET, AND PLEASANT VALLEY ROAD PUMP STATION COMPREHENSIVE UPGRADES

REVISIONS			

NO.	DATE	ISSUED FOR	BY

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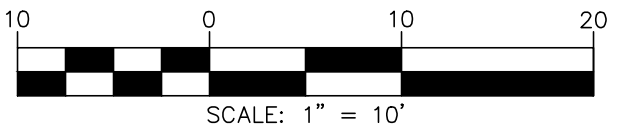
PROJECT STATUS: 95% SUBMITTAL

PROJECT NO.:	30039906
DATE:	JUNE 2023
DESIGNED BY:	EFH
DRAWN BY:	EFH
CHECKED BY:	JCP

SHEET TITLE

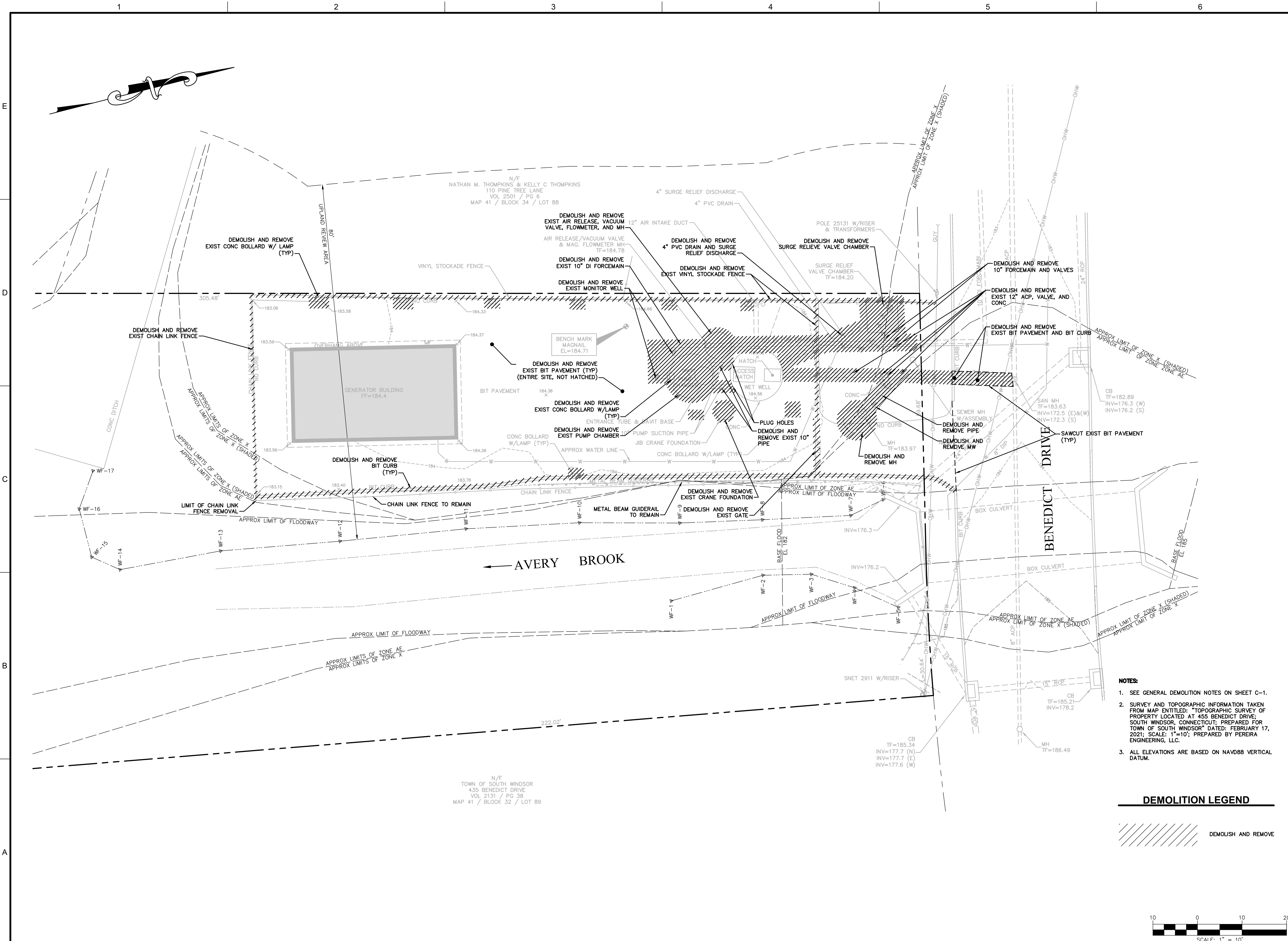
GENERAL
BENEDICT DRIVE
EXISTING CONDITIONS
MAP

SCALE:
1" = 10'



DRAWING NO.: G-003

SHEET NO.: 3 OF 91



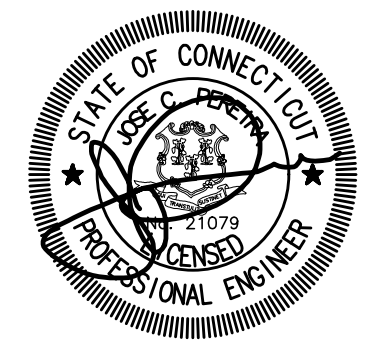
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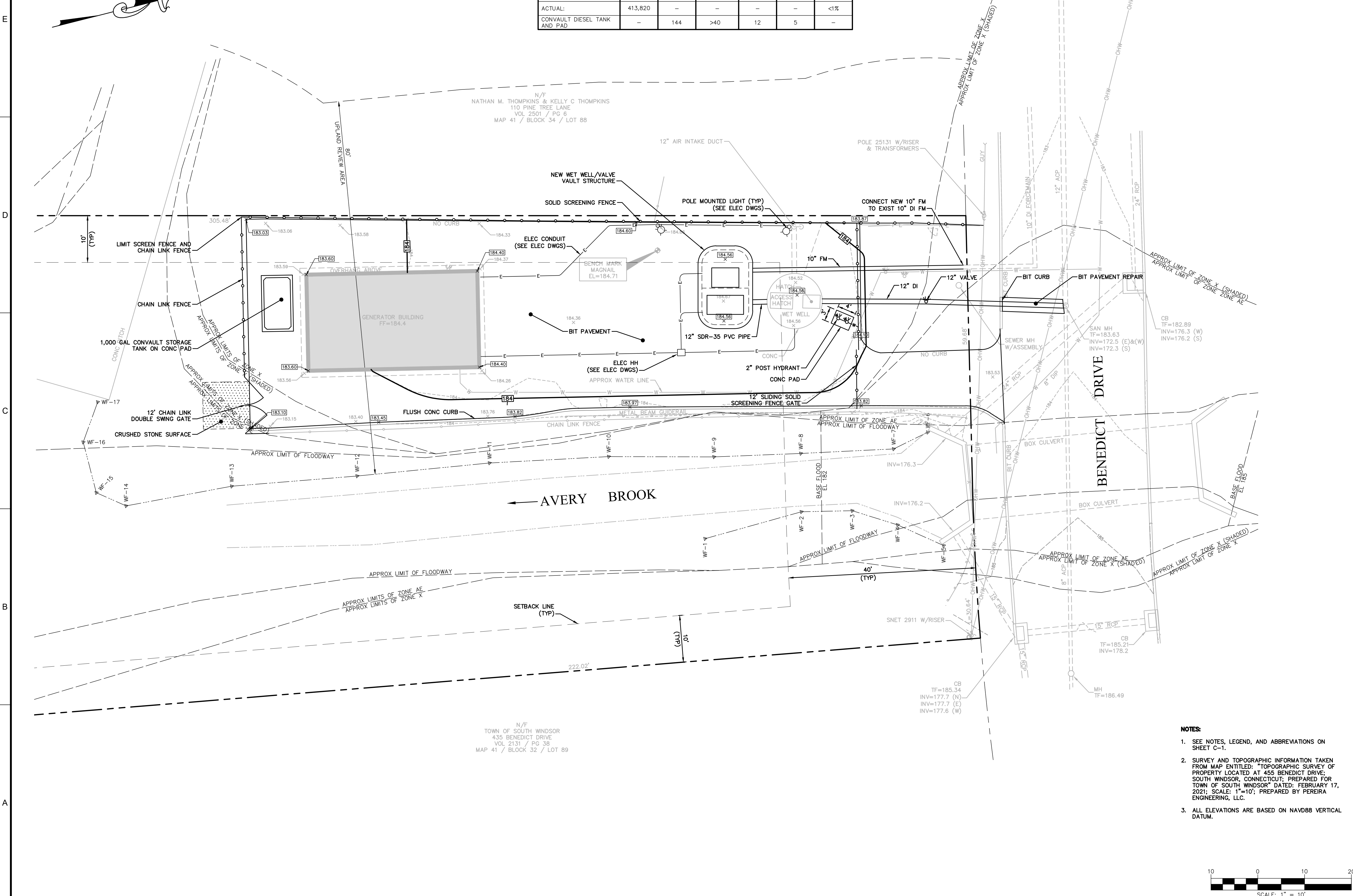
CIVIL
BENEDICT DRIVE
DEMOLITION SITE PLAN

SCALE:
1" = 10'

DRAWING NO.: D-001

SHEET NO.: 6 OF 91

ZONING COMPLIANCE TABLE						
A-20 ZONE: BENEDICT DR. PS	LOT AREA (SF)	FRONT YARD (FEET)	REAR YARD (FEET)	SIDE YARD (FEET)	HEIGHT (FEET)	LOT COVERAGE
REQUIRED:	20,000	40	40 OR 10 IF HEIGHT<12 FT	10	30	20%
ACTUAL:	413,820	—	—	—	—	<1%
CONVAULT DIESEL TANK AND PAD	—	144	>40	12	5	—



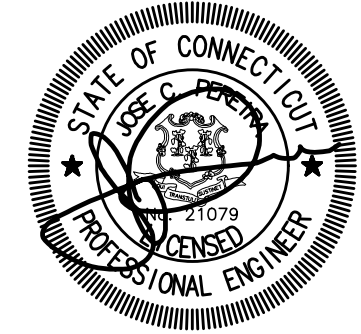
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CIVIL
BENEDICT DRIVE
SITE PLAN

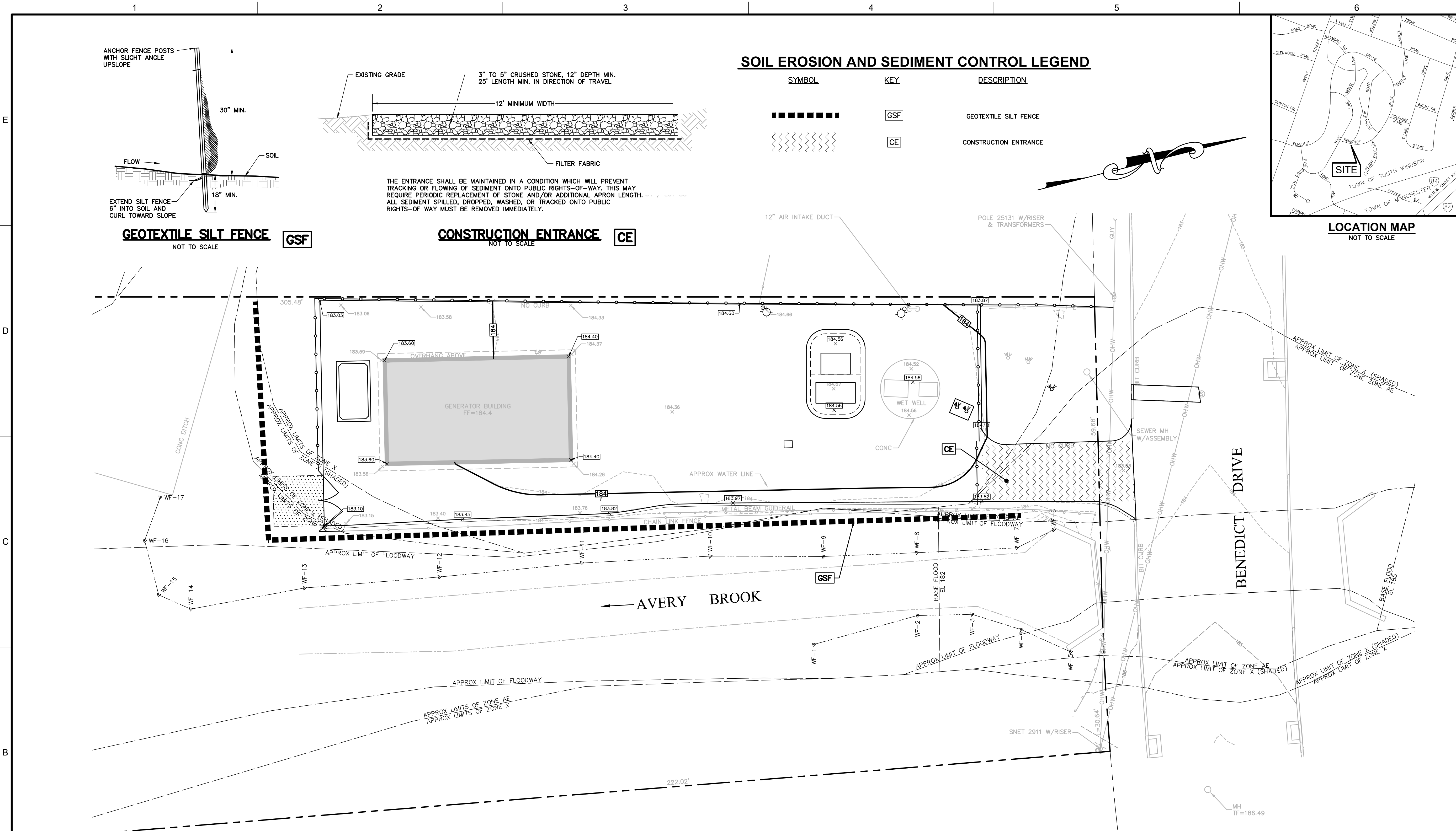
NOTES:

- SEE NOTES, LEGEND, AND ABBREVIATIONS ON SHEET C-1.
- SURVEY AND TOPOGRAPHIC INFORMATION TAKEN FROM MAP ENTITLED: "TOPOGRAPHIC SURVEY OF PROPERTY LOCATED AT 455 BENEDICT DRIVE, SOUTH WINDSOR, CONNECTICUT; PREPARED FOR TOWN OF SOUTH WINDSOR" DATED: FEBRUARY 17, 2021; SCALE: 1"=10'; PREPARED BY PEREIRA ENGINEERING, LLC.
- ALL ELEVATIONS ARE BASED ON NAVD88 VERTICAL DATUM.

SCALE:
1" = 10'
BAR IS ONE INCH ON UNREDUCED DRAWING

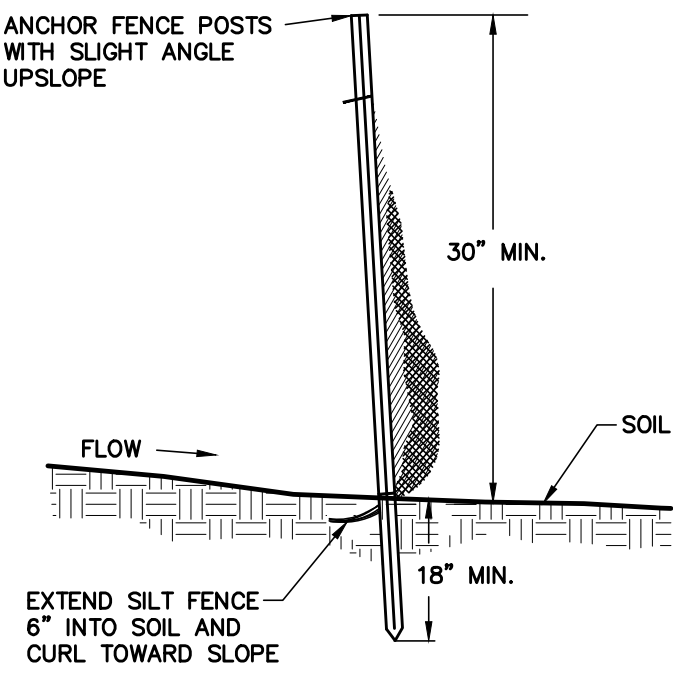
DRAWING NO.: C-002

SHEET NO.: 13 OF 91

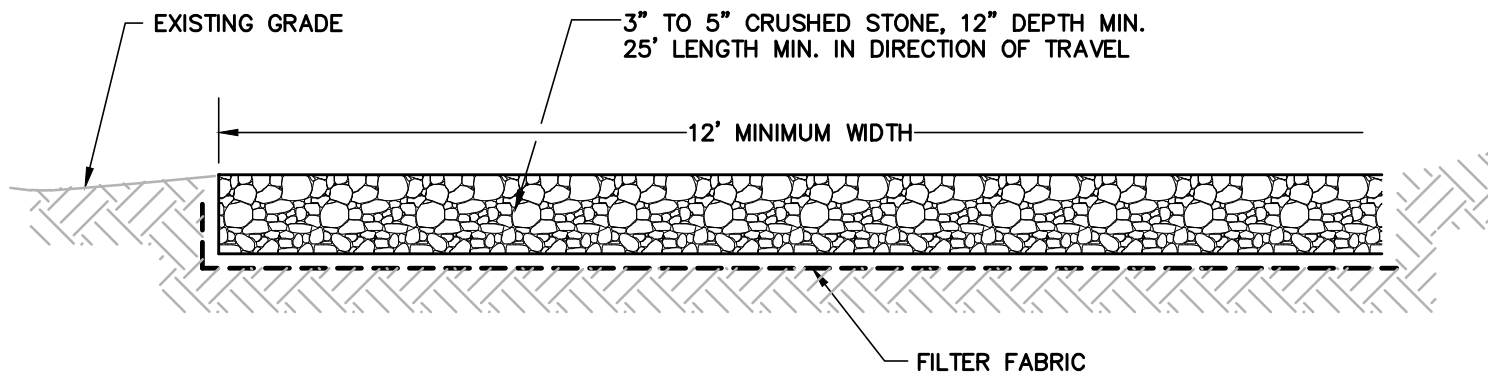


SOIL EROSION AND SEDIMENT CONTROL LEGEND

SYMBOL	KEY	DESCRIPTION
■■■■■■■■	GSF	GEOTEXTILE SILT FENCE
~~~~~	CE	CONSTRUCTION ENTRANCE



GEOTEXTILE SILT FENCE  
NOT TO SCALE



THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC REPLACEMENT OF STONE AND/OR ADDITIONAL APRON LENGTH. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

CONSTRUCTION ENTRANCE  
NOT TO SCALE

SOIL EROSION AND SEDIMENT CONTROL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CONNECTICUT "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (LATEST EDITION).
- ALL LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM AND RESTABILIZATION OF ANY DISTURBED AREAS SHALL BE SCHEDULED AS SOON AS PRACTICAL.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE.
- ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- ADDITIONAL CONTROL MEASURES INCLUDING, BUT NOT LIMITED TO, SILT FENCES, HAYBALE FILTERS, CONSTRUCTION ENTRANCES, RIPRAP, AND EROSION CONTROL BLANKETS SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD AS NECESSARY OR REQUIRED BY ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
- ALL CONTROL STRUCTURES SHALL BE INSPECTED AND CLEANED PERIODICALLY. ALL SEDIMENT REMOVED FROM CONTROL STRUCTURES SHALL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.
- IF DISTURBED AREAS CANNOT BE SEEDED IMMEDIATELY DUE TO TIME OF YEAR, THEN MULCH AREA UNTIL SEEDING CAN OCCUR. REMOVE MULCH AND SEED AND REMULCH WHEN SEASON PERMITS.
- CATCH BASINS SHALL BE PROTECTED BY SILT SACK FILTERS AND AS SHOWN ON THE DRAWINGS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
- HAYBALE FILTERS AND/OR SILT FENCES WILL BE INSTALLED AT ALL CULVERT OUTLETS AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
- STORMWATER DISCHARGE AREAS WILL BE PROTECTED WITH RIPRAP CHANNELS AND ENERGY DISSIPATORS AS REQUIRED AND/OR NECESSARY.
- ALL DEWATERING PUMPING MUST HAVE SEDIMENT AND EROSION CONTROL PROVISIONS TO MAINTAIN CLEAR WATER DISCHARGE (NOT MUDDY). EACH DEWATERING PUMP SHALL DISCHARGE INTO THE EXISTING OR PROPOSED STORM DRAINAGE SYSTEM IN A MANNER THAT WILL NOT CAUSE EROSION, SEDIMENTATION, NUISANCE, OR SAFETY HAZARDS. EACH DEWATERING PUMP INTAKE SHALL BE PLACED IN A CLEAN, PERFORATED 55-GALLON DRUM, SURROUNDED BY AT LEAST 18 INCHES OF 3/4" CLEAN, CRUSHED STONE. THE ENTIRE SURFACE OF THE DRUM (SIDES, TOP, AND BOTTOM) SHALL BE PROTECTED FROM SILTY WATER ENTERING THE DRUM. IF NECESSARY, THE PUMP DISCHARGE SHALL PASS THROUGH A SETTLEMENT BASIN OF ADEQUATE SIZE TO FURTHER CLARIFY THE PUMP DISCHARGE PRIOR TO ENTERING THE STORM DRAINAGE SYSTEM. SUCH BASIN COULD BE MADE FROM AN EXCAVATED PIT OR BY USING A SEALED TRASH DUMPSTER. THE BASIN WOULD HAVE A PIPED OVERFLOW LEADING INTO THE STORM DRAINAGE SYSTEM. ALTERNATIVE METHODS MAY BE USED, SUCH AS WELL POINTS, OTHER TYPES OF PUMP INTAKE FILTERS, AND SETTLEMENT BASINS, IF APPROVED BY THE ENGINEER AND GOVERNING AGENCIES. ALL PUMP DISCHARGE FROM DEWATERING SHALL BE CLEAR AT THE POINT WHERE IT FLOWS OFF THE PROPERTY.
- THE CONTRACTOR SHALL KEEP ALL PUBLIC ROADWAYS CLEAN AND CLEAR OF ALL MUD DURING CONSTRUCTION AND SHALL IMPLEMENT WHATEVER MEASURES DIRECTED BY THE LOCAL AUTHORITY. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE CONSTRUCTION OF CONSTRUCTION ENTRANCES (ANTI-TRACKING PADS) 12" DEEP WHERE SHOWN ON PLAN OR AS DIRECTED BY THE LOCAL AUTHORITY.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY/ALL PERMITS REQUIRED AS RELATED TO SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING, BUT NOT LIMITED TO, CT DEEP PERMITS.
- THE CONTRACTOR IS DESIGNATED AS SITE MONITOR AND IS RESPONSIBLE FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE INLAND WETLANDS COMMISSION OF ANY TRANSFER OF THIS RESPONSIBILITY, AND FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.

SOIL EROSION AND SEDIMENT CONTROL NARRATIVE:

- THE PROPOSED SITE IMPROVEMENTS INCLUDES THE REMOVAL AND REPLACEMENT OF VARIOUS STRUCTURES, COMPONENTS, AND APPURTENANCES ASSOCIATED WITH THE SANITARY PUMP STATION.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, A PRECONSTRUCTION MEETING IS TO BE HELD WITH THE DESIGN ENGINEER, OWNER, GENERAL CONTRACTOR, AND REPRESENTATIVES FROM THE TOWN OF SOUTH WINDSOR (INCLUDING THE TOWN ENGINEER, AND/OR ZONING ENFORCEMENT OFFICER).
- CONSTRUCTION WILL BEGIN SHORTLY AFTER NECESSARY APPROVALS ARE OBTAINED. CONSTRUCTION IS ANTICIPATED TO BE COMPLETED WITHIN ONE YEAR FROM THE TIME OF COMMENCEMENT.
- MAINTENANCE OF THE EROSION CONTROLS SHALL CONSIST OF INSPECTION AT THE START OF EACH WORK DAY WITH SPECIAL ATTENTION AFFORDED FOLLOWING STORM EVENTS. NOTED DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY. BUILT UP SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL DEVICES AND DISPOSED OF IN A MANNER CONSISTENT WITH THIS PLAN. ADDITIONAL SEEDING OR MULCHING SHALL BE EMPLOYED AS REQUIRED. WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR HAVE TEMPORARILY BEEN SUSPENDED FOR MORE THAN SEVEN DAYS, OR WHEN FINAL GRADES ARE REACHED IN ANY PORTION OF THE SITE, STABILIZATION PRACTICES SHALL BE IMPLEMENTED WITHIN THREE DAYS. AREAS WHICH REMAIN DISTURBED BUT INACTIVE FOR AT LEAST THIRTY DAYS SHALL RECEIVE TEMPORARY SEEDING AND/OR MULCHING IN ACCORDANCE WITH THE SOIL EROSION GUIDELINES.



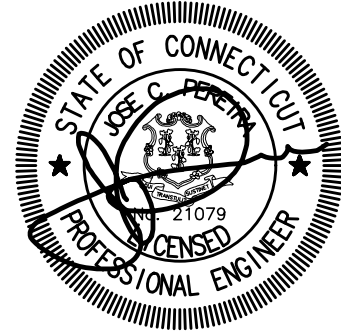
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2022

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CHECKED BY: JCP

SHEET TITLE

CIVIL  
BENEDICT DRIVE  
SOIL EROSION AND  
SEDIMENT CONTROL  
PLAN

SCALE:  
1" = 10'

DRAWING NO.: C-005

SHEET NO.: 16 OF 91