
 **ARCADIS**

LEGAL ENTITY:
ARCADIS U.S., INC.

CONSULTANTS

 **PEREIRA**
ENGINEERING, LLC

Civil • Environmental • Land Surveying

One Enterprise Drive, Suite 312 Phone: (203) 944-9944
Shelton, CT 06484 Fax: (203) 944-9945

The seal is circular with a double-lined border. The outer ring contains the text "STATE OF CONNECTICUT" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner circle features the text "JOSE C. RIVERA" at the top and "21079" at the bottom. In the center is the coat of arms of the State of Connecticut, which depicts a shield with a sailing ship, a grizzly bear, and a Native American figure, with a star above. The word "LICENSED" is written across the bottom of the inner circle. A large, stylized signature is written across the seal.

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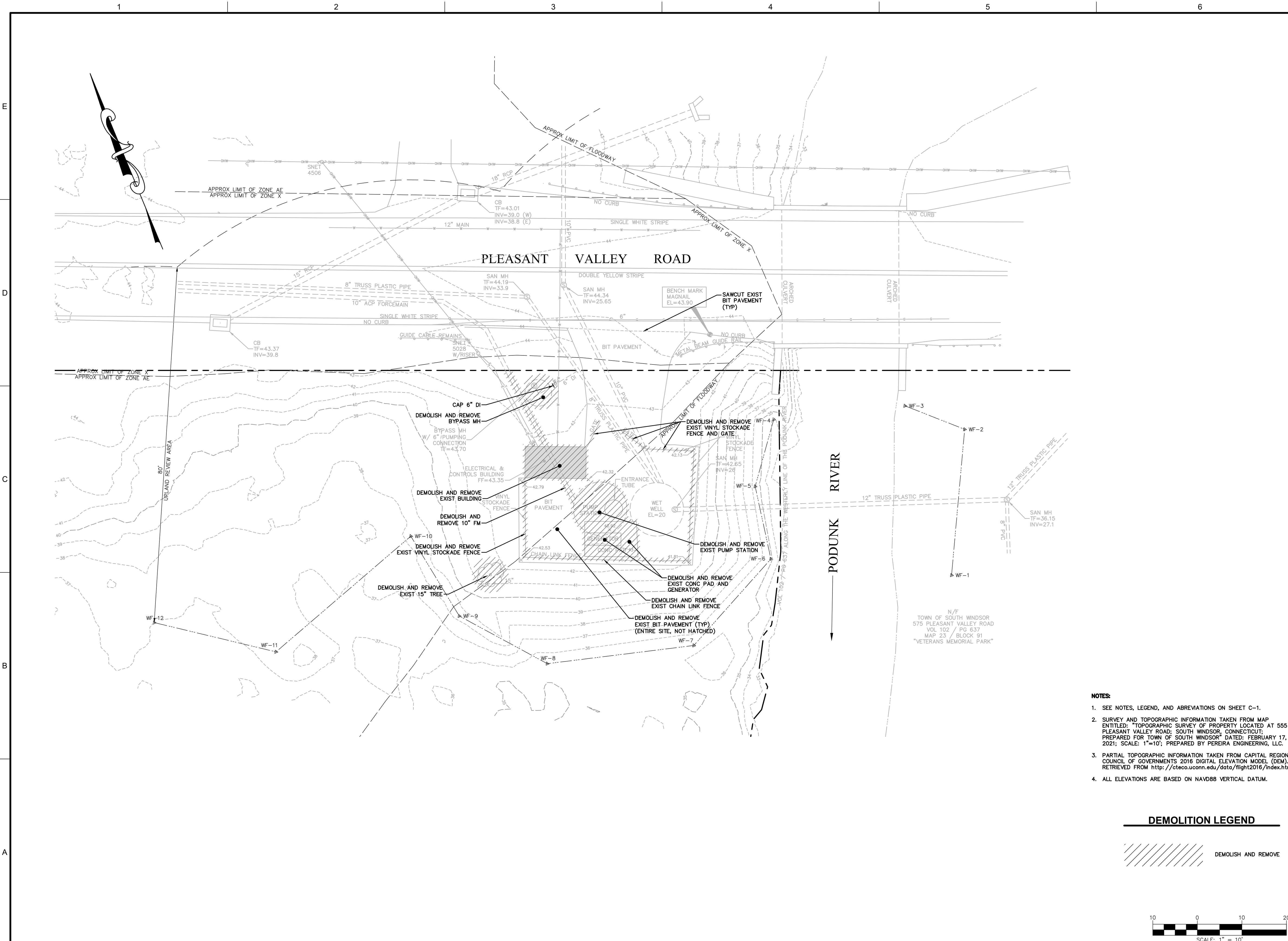
PROJECT STATUS: 95% SUBMITTAL

SHEET TITLE

SCALE: 0 1
1" = 10'
BAR IS ONE INCH ON UNREDUCED DRAWING

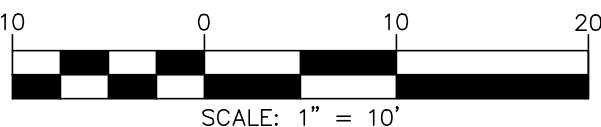
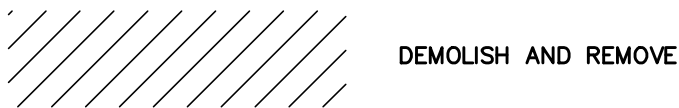
DRAWING NO.: G-005

SHEET NO.: 5 OF 91



- NOTES:**
- SEE NOTES, LEGEND, AND ABBREVIATIONS ON SHEET C-1.
 - SURVEY AND TOPOGRAPHIC INFORMATION TAKEN FROM MAP ENTITLED: "TOPOGRAPHIC SURVEY OF PROPERTY LOCATED AT 555 PLEASANT VALLEY ROAD, SOUTH WINDSOR, CONNECTICUT; PREPARED FOR TOWN OF SOUTH WINDSOR" DATED: FEBRUARY 17, 2021; SCALE: 1"=10'; PREPARED BY PEREIRA ENGINEERING, LLC.
 - PARTIAL TOPOGRAPHIC INFORMATION TAKEN FROM CAPITAL REGION COUNCIL OF GOVERNMENTS 2016 DIGITAL ELEVATION MODEL (DEM). RETRIEVED FROM <http://cteco.uconn.edu/data/flight2016/index.htm>.
 - ALL ELEVATIONS ARE BASED ON NAVD88 VERTICAL DATUM.

DEMOLITION LEGEND



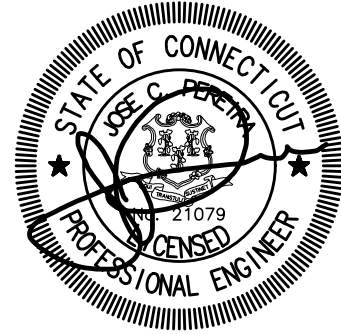
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SEALS



TOWN OF SOUTH WINDSOR



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

REVISIONS

NO.	DATE	ISSUED FOR	BY

COPYRIGHT: ARCADIS U.S., INC.
2022

PROJECT STATUS: 95% SUBMITTAL

PROJECT NO.: 30039906

DATE: JUNE 2023

DESIGNED BY: EFH

DRAWN BY: EFH

CHECKED BY: JCP

SHEET TITLE

DEMOLITION
PLEASANT VALLEY ROAD
SITE DEMOLITION PLAN

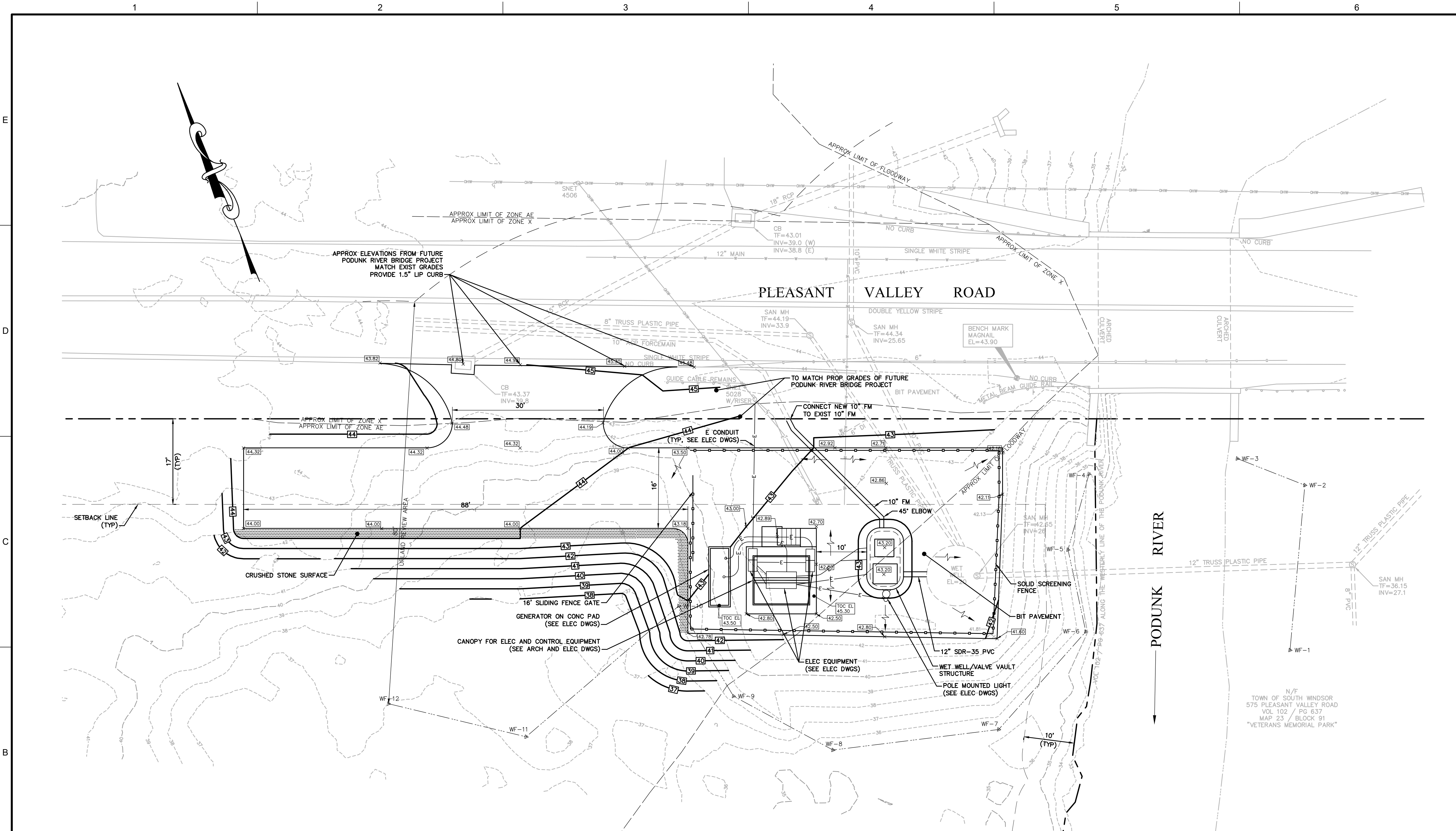
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1" = 10'

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BAR IS ONE INCH ON
UNREDUCED DRAWING

DRAWING NO.: D-005

SHEET NO.: 10 OF 91

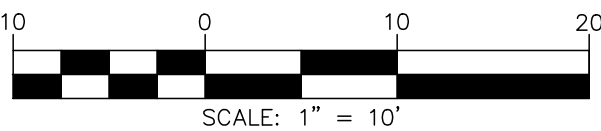


ZONING COMPLIANCE TABLE						
A-20 ZONE: Pleasant Valley PS	LOT AREA (SF)	FRONT YARD (FEET)	REAR YARD (FEET)	SIDE YARD (FEET)	HEIGHT (FEET)	LOT COVERAGE
REQUIRED:	20,000	17 ^b (40)	40 or 10 if Height<12	10	30	20%
ACTUAL:	1,042,391	—	—	—	—	0%
GENERATOR	—	25	>40	>10	6	—
ELECTRIC & CONTROL EQUIPMENT & CANOPY	—	27	>40	>10	12	—

Note:
b. For the PV Rd. PS site located at 947 Pleasant Valley Road, a variance was granted by the South Windsor Zoning Board of Appeals on June 16, 2005 for pump station improvements to allow modification of an existing nonconforming structure MF zone. A Site Plan for 565 PV Road, prepared by CDM and P.E. signed 3/17/03 indicates a 17 ft front yard setback from the property line for the electrical and controls building. The number in parentheses is the normal setback required by the Zoning Regulations.

Abbreviations:
PS Pump station

- NOTES:**
- SEE NOTES, LEGEND, AND ABBREVIATIONS ON SHEET C-1.
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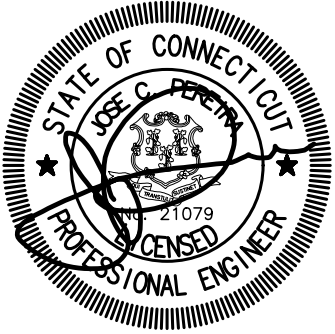
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VALLEY ROAD PUMP STATION
COMPREHENSIVE UPGRADES

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DRAWN BY: EFH

CHECKED BY: JCP

SHEET TITLE

CIVIL
PLEASANT VALLEY ROAD
SITE PLAN

SCALE:

1" = 10'

0 10 20
BAR IS ONE INCH ON
UNREDUCED DRAWING

DRAWING NO.: C-004

SHEET NO.: 15 OF 91

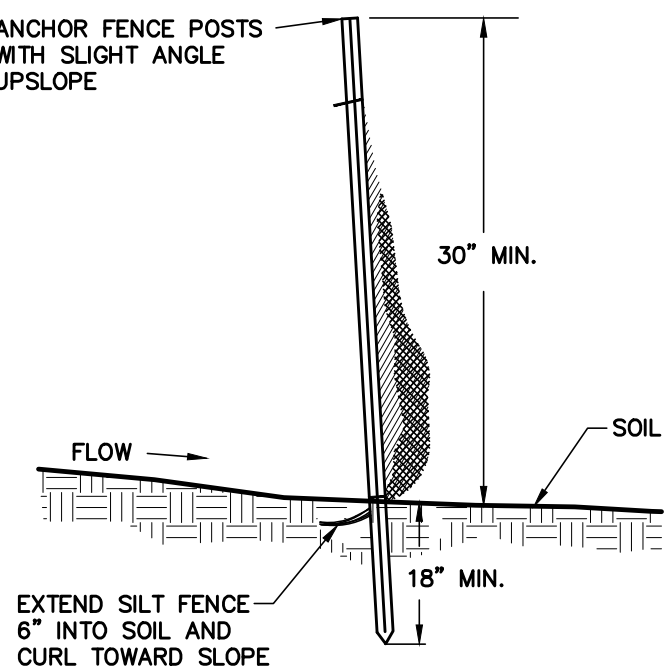
E
D
C
B
A

SOIL EROSION AND SEDIMENT CONTROL NOTES:

1. 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).
2. ALL LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM AND RESTABILIZATION OF ANY DISTURBED AREAS SHALL BE SCHEDULED AS SOON AS PRACTICAL.
3. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE.
4. ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
5. 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.
6. 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.
7. 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.
8. 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.
9. HAYBALE FILTERS AND/OR SILT FENCES WILL BE INSTALLED AT ALL CULVERT OUTLETS AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
10. STORMWATER DISCHARGE AREAS WILL BE PROTECTED WITH RIPRAP CHANNELS AND ENERGY DISSIPATORS AS REQUIRED AND/OR NECESSARY.
11. 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.
12. 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, AND SWEEPING AND WATERING ROADS TO CLEAN TRACKED SEDIMENT, AND CONTROL DUST AS NEEDED.
13. 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.
14. 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.
15. STOCKPILED SOILS SHALL BE SITUATED AT LEAST 10 FEET FROM THE WATERCOURSE AND WITHIN SEDIMENTATION AND EROSION CONTROL DEVICES.
16. NO VEGETATION SHALL BE REMOVED FROM THE 100-FT BUFFER OF WATERWAYS.
17. EMPLOY PRECAUTIONS TO PREVENT THE INTRODUCTION AND SPREAD OF INVASIVE PLANTS AND BIVALVES.
18. NO IN-WATER WORK IS ALLOWED WITHOUT RESUBMISSION TO CTDEEP NDOB FOR REVIEW WITH A FRESHWATER MUSSEL PROTECTION PLAN.

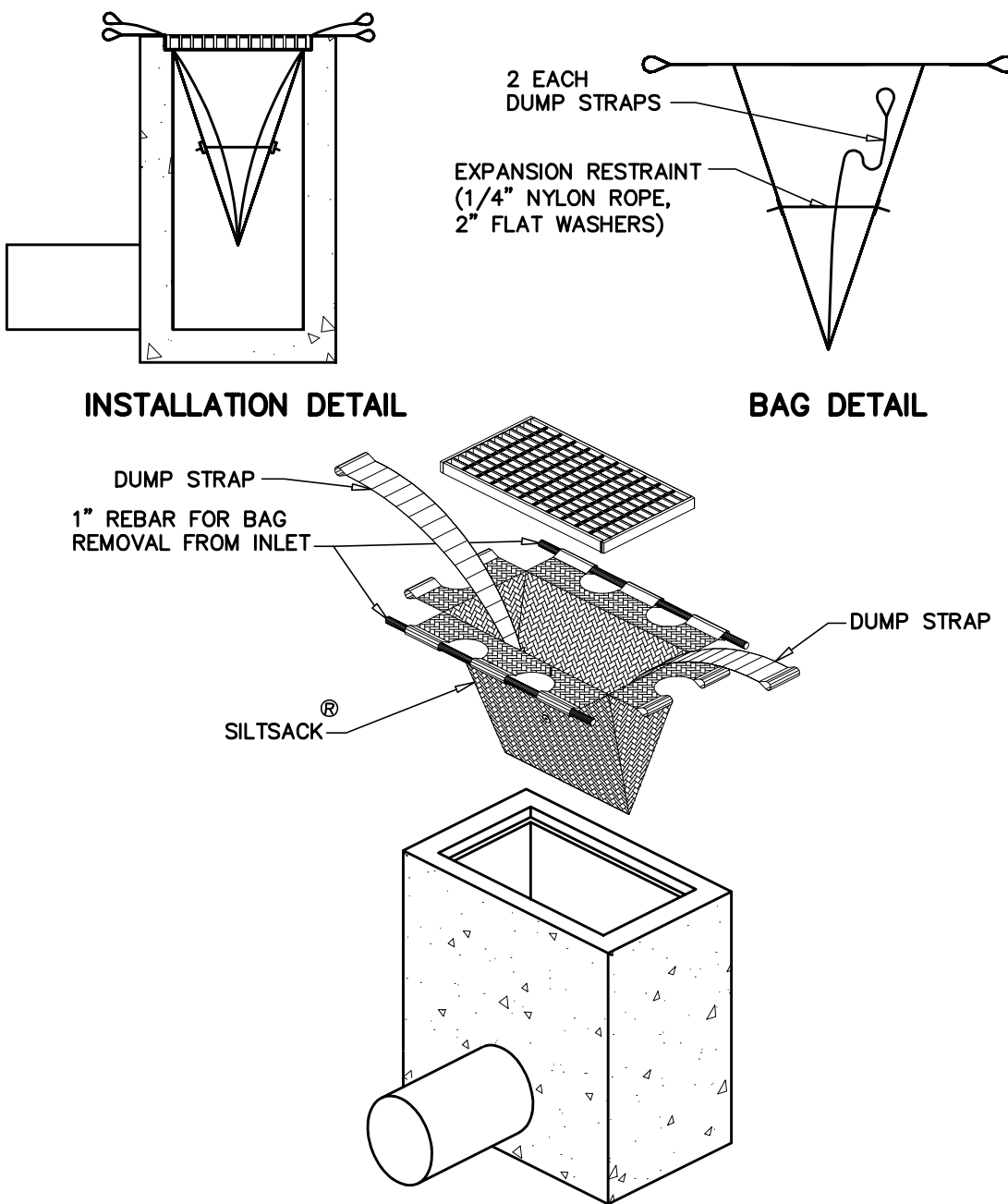
SOIL EROSION AND SEDIMENT CONTROL NARRATIVE:

1. THE PROPOSED SITE IMPROVEMENTS INCLUDE THE REMOVAL AND REPLACEMENT OF VARIOUS STRUCTURES, COMPONENTS, AND APPURTENANCES ASSOCIATED WITH THE SANITARY PUMP STATION.
2. 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).
3. CONSTRUCTION WILL BEGIN SHORTLY AFTER NECESSARY APPROVALS ARE OBTAINED. CONSTRUCTION IS ANTICIPATED TO BE COMPLETED WITHIN ONE YEAR FROM THE TIME OF COMMENCEMENT.
4. 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.
5. A QUALIFIED ENVIRONMENTAL INSPECTOR SHALL BE ON-SITE WITHIN 24 HOURS OF STORM EVENTS WITH 0.5 INCHES OF PRECIPITATION OR MORE TO INSPECT SEDIMENTATION AND EROSION CONTROLS TO ENSURE THAT THEY CONTINUE TO FUNCTION AS INTENDED.
6. SHOULD A CHEMICAL OR HAZARDOUS SUBSTANCE SPILL/RELEASE OCCUR, CONTACT THE CT DEEP EMERGENCY RESPONSE UNIT IMMEDIATELY AT 860-424-3338 FOR SPILL RESPONSE GUIDANCE. ADDITIONALLY, CONTACT THE WILDLIFE DIVISION TO NOTIFY OF ANY CHEMICAL/POLLUTANT RELEASES GIVEN THE SENSITIVITY OF FRESHWATER MUSSELS IN THE AREA. PLEASE CONTACT LAURA SAUCIER (LAURA.SAUCIER@CT.GOV OR 860-424-3101) WITHIN 48 HOURS OF ANY SPILL.



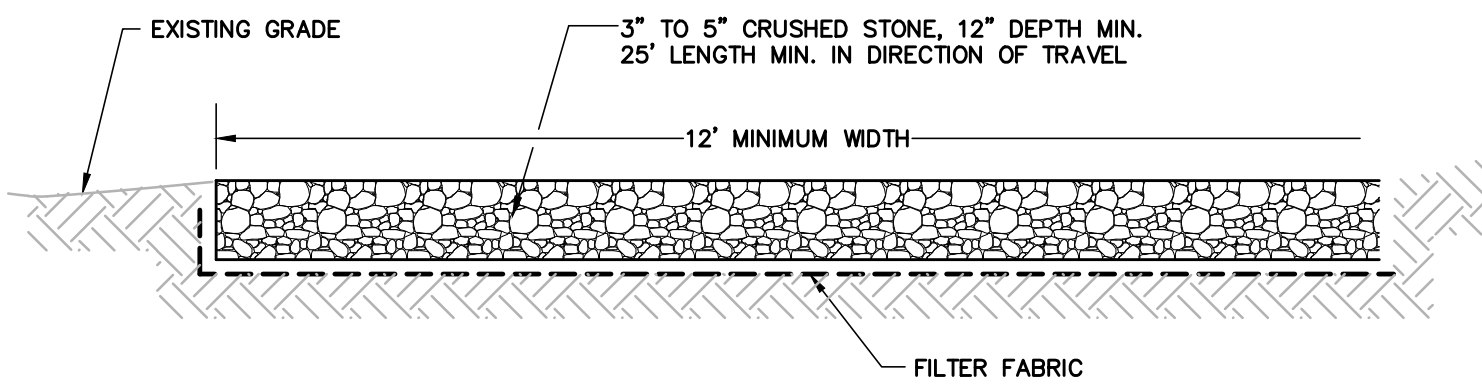
GEOTEXTILE SILT FENCE
NOT TO SCALE

GSF



SILTSACK DETAIL
NOT TO SCALE

IP

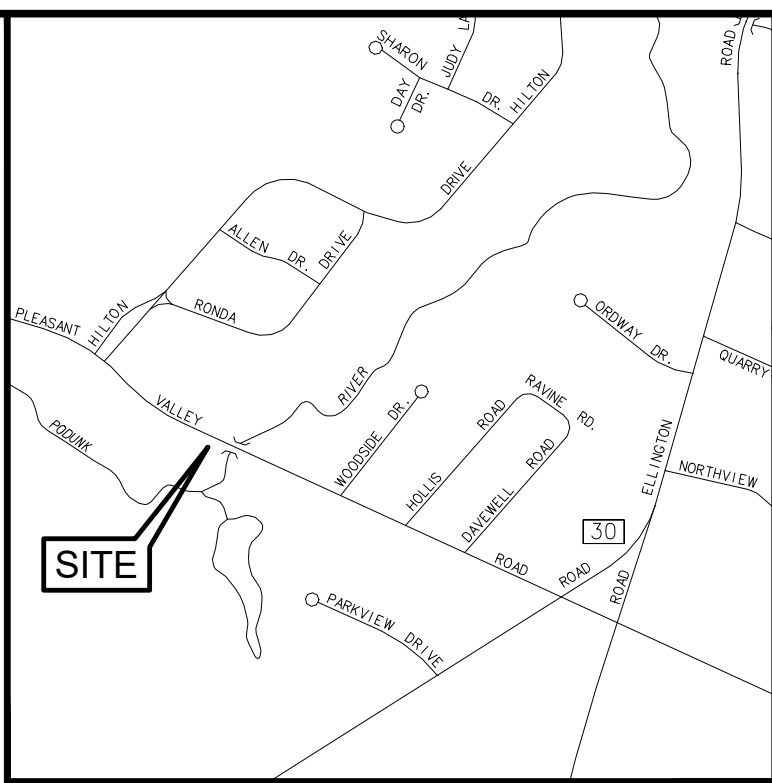
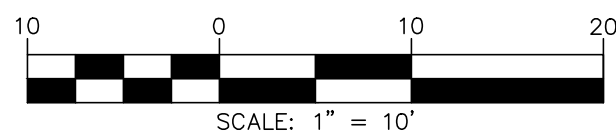


CONSTRUCTION ENTRANCE
NOT TO SCALE

CE

SOIL EROSION AND SEDIMENT CONTROL LEGEND

SYMBOL	KEY	DESCRIPTION
-----	GSF	GEOTEXTILE SILT FENCE
□	IP	INLET PROTECTION
~~~~~	CE	CONSTRUCTION ENTRANCE



LOCATION MAP  
NOT TO SCALE

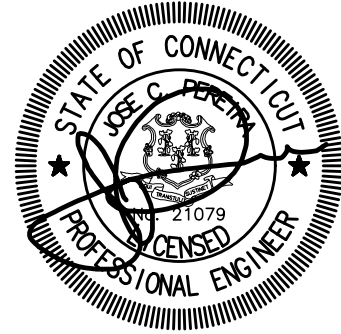


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CIVIL  
PLEASANT VALLEY ROAD  
SOIL EROSION AND  
SEDIMENT CONTROL  
PLAN

SCALE:  
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UNREDUCED DRAWING

DRAWING NO.: C-007

SHEET NO.: 18 OF 91