

SECTION 01110
SUMMARY OF WORK

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes:
1. General Project Description.
 2. Work Covered by Contract Documents.
 3. Type of Contract.
 4. Starting Work.
 5. Work by Others.
 6. Salvage Requirement

1.02 GENERAL PROJECT DESCRIPTION

- A. Project Location: The work of this Contract is located the Authority's Water Treatment Plant, 60 Main Street, Tullytown, PA 19007 and at the Authority's Wastewater Treatment Plant, 7900 Route 13 (Bristol Pike), Levittown, PA 19057.
- B. The Work consists of:
1. Replacement of Roof systems.

1.03 WORK COVERED BY CONTRACT DOCUMENTS

- A. The Scope of the construction work includes, but is not necessarily limited to the following:
1. Mobilization.
 2. The Contractor shall furnish all labor and material and install temporary cover over the existing open tanks and areas to control dust and debris from all the roofs.
 3. Removal of the existing roofing system material down to the existing concrete roof deck and properly dispose of all roofing material. Inspect and verify that a fully adhered TPO roofing system is able to be installed on the existing upper roof system (approximate surface area of 5623 square feet) on the filter building at the Water Treatment Plant.
 4. Furnish and install complete new fully adhered GenFlex 15 TPO roofing system with a minimum thickness of 4 inch ISO and minimum R value of 23.6,

- or approved equal including all the required ISO board, required penetrations, curbs, wall flashing, and metal edge flashing, pressure treated wood nailer at the edge and wall, on the entire upper roof of the existing roof deck of filter building that will properly drain rain/storm water and shall be completely water tight. Work also includes grinding out and properly clear mortar joints between concrete block capping to a depth of two inches or until solid mortar is found. Fill with approved caulk/sealant to surface of the existing concrete block capping.
5. Removal of the existing roofing system material down to the existing concrete roof deck and properly disposing of all roofing material. Inspect and verify that a fully adhered TPO roofing system is able to be installed on the existing lower roof system (approximate surface area of 2886 square feet) on the filter building at the Water Treatment Plant.
 6. Furnish and install complete new fully adhered GenFlex 15 TPO roofing system with a minimum thickness of 4 inch ISO and minimum R value of 23.6, or approved equal including all the required ISO board, required penetrations, curbs, wall flashing, and metal edge flashing, pressure treated wood nailer at the edge and wall, on the entire lower roof of the existing roof deck of filter building that will properly drain rain/storm water and shall be completely water tight. Work also includes grinding out and properly clear mortar joints between concrete block capping to a depth of two inches or until solid mortar is found. Fill with approved caulk/sealant to surface of the existing concrete block capping.
 7. Remove existing gutters and down spouts and reconfigure the existing gutter system on the lower roof system to direct flow to end of the building and away from lower walkway channel and install 7 inch seamless aluminum gutters or as approved and oversized 5 inch aluminum downspouts or as approved , increase overflows opening from the existing 4 inch ISO to 7 inch wide for the lower roof system of the filter building.
 8. Remove and dispose of all existing roofing system material down to metal roof deck, inspect existing condition of the existing metal roof deck and verify that a fully adhered TPO roofing system is able to be installed on the Return Activated Sludge (RAS) building at the Wastewater Treatment Plant.
 9. Furnish and install complete fully adhered GenFlex 15 TPO roofing system with a minimum thickness of 4 inch ISO and minimum R value of 23.6, or approved equal including all the required ISO board, pressure treated wood nailer at the edge and wall on the Return Activated Sludge (RAS) building at the Wastewater Treatment Plant.
 10. Furnish and install flashing material on the RAS building roof.
 11. Furnish all labor and material to remove and replace/install approximately 7500 new SB-2 Side Lap Fastener, as recommended by Resolite, or approved equal with all the required accessories to complete water tight/leakage free installation as recommended by Resolute, or approved equal, on the existing

entire roof system of the L.D. Davis building at the Wastewater Treatment Plant, as specified herein the contract document and or shown on the drawings

12. Furnish all labor and material to remove and replace/install full 3ft x 12ft (nominal dimension) Resolite Opaque "Tred-Safe FRP panels as manufactured/supplied by Resolite or approved equal on the lower part of roof, if found damaged and verified by the owner with all the required accessories to complete water tight/leakage free installation on the existing entire roof system of the L.D. Davis building at the Wastewater Treatment Plant, as recommended by Resolute, or approved equal, as specified herein the contract document and or shown on the drawings.
 13. Furnish all labor and material to remove and replace/install full 3ft x 12ft (nominal dimension) Resolite Opaque "Tred-Safe FRP panels as manufactured/supplied by Resolite or approved equal on the upper part of roof, if found damaged and verified by the owner with all the required accessories to complete water tight/leakage free installation as recommended by Resolute, or approved equal, on the existing entire roof system of the L.D. Davis building at the Wastewater Treatment Plant, as specified herein the contract document and or shown on the drawings
 14. Coordination with and assistance in obtaining all required building permit and certificates.
 15. Maintenance of operations.
 16. Provide a minimum of 15 years of manufacturer's warranty for the complete fully adhered TPO roof systems .
 17. Project closeout.
- B. The Drawings and Specifications do not necessarily indicate or describe all Work required for completion of Project.
 - C. The Contract Documents describe the essential elements sufficiently to determine the scope of the Project.
 - D. Provide all items required for complete new leakage free roofing systems including items not necessarily shown in these Contract Documents, but that can be reasonably inferred as being required for a complete roofing system.
 - E. The Drawings and Specifications indicate the basic quality of material and quality of construction required for the entire Project.

1.04 TYPE OF CONTRACT

- A. Project will be constructed under a single prime contract.

1.05 STARTING WORK

- A. The Contractor shall not start work until the Notice to Proceed has been issued and all insurance certificates have been reviewed and accepted by the Owner.
- B. The Contractor shall notify the owner or its designated representative/Engineer prior to commencing any work.

1.06 WORK BY OWNER

- A. General: Cooperate fully with Owner so work may be carried out smoothly, without interfering with the operation of the owner operations/plant operations or delaying work under this Contract or work by Owner. Coordinate the work of this Contract with work performed by Owner.

1.07 WORK BY OTHERS

- A. Contractor shall cooperate and coordinate its work with work provided under other contracts. Separate Contracts will include, but not necessarily be limited to the following:

1.08 OWNER-FURNISHED PRODUCTS

- A. Owner will furnish products indicated. The work includes providing support systems to receive Owner's equipment:
 - 1. Contractor is responsible for protecting Owner-furnished items from damage during storage and handling, including damage from exposure to the elements.
 - 2. If Owner-furnished items are damaged as a result of Contractor's operations, Contractor shall repair or replace them.
 - 3. Contractor shall install and otherwise incorporate Owner-furnished items into the Work.
- B. Owner-Furnished Products:
 - 1. None

1.09 SALVAGE REQUIREMENT

- A. Unless otherwise indicated, demolition waste becomes property of Contractor.
- B. Unless otherwise indicated, all equipment that must be removed due to interference with work of this contract remains the property of the Owner, and may be salvaged at the Owner's discretion.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION