

SECTION 01 77 00

PROJECT CLOSEOUT

PART 1: GENERAL

1.01 TESTING OF FACILITIES

- A. All work shall be tested under operating conditions and pressures and any leaks or malfunctions shall be repaired to the satisfaction of the AW Project Manager at no additional expense to AW.

1.02 CLOSEOUT PROCEDURES

- A. Submit written certification that Contract Documents have been reviewed, Work has been inspected, and that Work is complete in accordance with Contract Documents and ready for AW Project Manager's inspection. Provide submittals to AW Project Manager that are required by governing or other authorities. Submit Application for final payment identifying total adjusted Contract sum, previous payments, and sum remaining due.

1.03 PROGRESS CLEANING AND FINAL CLEANING

- A. Periodically, or as directed during the progress of the Work, remove and properly dispose of the resultant dirt and debris and keep the premises reasonably clear. Upon completion of the Work, remove all temporary construction facilities and unused materials provided for the Work and put the premises in a neat and clean condition and do all cleaning required by the Specifications. Trash and combustible materials shall not be allowed to accumulate in construction locations.
- B. Execute final cleaning prior to final inspection. Clean interior and exterior surfaces exposed to view; remove temporary labels, stains and foreign substances. Clean equipment and fixtures to a sanitary condition. The project site shall be clear of any debris. The project site shall be cleaned: sweep paved areas; and rake clean landscape surfaces. Remove waste and surplus materials, rubbish, and construction facilities from the site.

1.04 PROJECT RECORD DOCUMENTS

- A. Maintain on site, one set of the following record documents; record actual revisions to the Work:
 - 1. Contract drawings
 - 2. AW Standard Specifications and Technical Specification for the Work.
 - 3. Addenda

4. Change Orders and other modifications to the Contract
 5. Reviewed shop drawings, product data, and samples
 6. Record information concurrent with construction progress.
 - a. Store record documents separate from documents used for construction.
- B. Specifications: Legibly mark and record at each product section description of actual products installed, including the following:
1. manufacturer's name and product model and number
 2. product substitutions or alternates utilized
 3. changes made by addenda and modifications
- C. Record Documents and Shop Drawings: Legibly mark each item to record actual construction including but not limited to the following:
1. Measured well depths, screen, casing, and pump types and dimensions in relation to finished ground elevation.
 2. Measured site location of well, vault and any other structures.
 3. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
 4. Field changes of dimension and detail.
 5. Details not on original Drawings.
- D. Submit documents to AW Project Manager with final Application for Payment.

1.05 ENGINEERING CERTIFICATION

- A. Where required by regulation, the Contractor's engineer shall prepare a document certifying that the project was constructed in accordance with the approved Contract Documents. Such an engineer shall be license to practice as a Professional Engineer in the State where the Work is performed. This Engineer's Certification shall be submitted to the appropriate regulatory agency with one (1) copy provided to AW.

1.06 SPARE PARTS AND MAINTENANCE MATERIALS

- A. Contractor Purchased Material

1. Provide products, spare parts, maintenance and extra materials in quantities specified in individual specification sections.
 2. Deliver to project site and place in location as directed; obtain receipt prior to final payment.
- B. AW Purchased Material
1. Return excess AW material to a location(s) specified by the AW Project Manager within three (3) days of job completion.

1.07 GUARANTEES AND WARRANTIES

- A. The Contractor expressly warrants that all workmanship and materials performed or furnished under this Contract will conform to AW Specifications, Drawings, samples and other applicable descriptions furnished or adopted by AW and with all applicable laws, provisions and requirements of the Contract Documents. Remedy any defects due to faulty materials or workmanship which are discovered within a period of one (1) year from the date of acceptance of the Work, or more if indicated in the contract documents, in this project and pay for any damage resulting from faulty materials or workmanship. AW shall give notice of observed defects with reasonable promptness. The Contractor warranty hereunder is in addition to, and not in limitation of, any obligations found elsewhere in the Contract Documents, any special guarantees provided by the Contractor or Contractor suppliers, and any obligations imposed by law.
- B. In addition to the above requirements, assign material and equipment guarantees and warranties from all manufacturers and suppliers to AW and deliver copies of such guarantees and warranties and the necessary assignments to AW in order to assure AW of the full benefit of such guarantees and warranties.

1.08 PUNCH LIST

- A. AW will prepare a final punch list upon Contractor's completion of Work. Contractor shall address all punch list item to the satisfaction of the AW Project Manager prior to leaving the site.

1.09 RESTORATION

- A. Restore and/or replace paving, curbing, sidewalks, gutters, shrubbery, fences, sod or other disturbed surfaces and structures to a condition equal to or better than that before the Work began and to the satisfaction of the AW Project Manager and furnish all labor and materials incidental thereto. In restoring improved surfaces, new pavement is required.
- B. No permanent bituminous top paving shall be placed within twenty (20) days, or other specified time frame required by law, after the backfilling shall have been completed, except by order of AW. Temporary paving will be installed prior to the placement of permanent surfaces when required by the AW Project Manager

or by any Federal, State or local governing body having jurisdiction over the site where the Work is being performed. In any event, all permanent bituminous top paving shall be placed as required by law, after the backfill has been completed unless otherwise ordered by the AW Project Manager.

1.010 MAINTENANCE OF SURFACES

- A. Following the certification of completion by the Engineer, maintain the surfaces of paved and unpaved trenches and adjacent curbs and gutters, sidewalks, fencing, sod and other disturbed surfaces for a period of one (1) year thereafter or as required by State, county or local authorities unless otherwise stipulated by the Engineer. Supply all material and labor required for the maintenance of the trench surfaces and structures and perform the work in a manner satisfactory to the Engineer.
- B. This requirement does not apply to ongoing, routine maintenance that may be required for landscaping purposes, i.e., cutting of grass, or watering of vegetation once it has been accepted as complete.

PART 2: PRODUCTS

(Not Used)

PART 3: EXECUTION

(Not Used)

END OF SECTION 01 77 00