

SECTION 01400

QUALITY CONTROL

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Quality assurance and control of installation.
- B. References.
- C. Field samples.
- D. Inspection and testing laboratory services.
- E. Manufacturers' field services and reports.

1.02 QUALITY ASSURANCE/CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, products, services, site conditions and workmanship, to produce Work of specified quality.
- B. Comply fully with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instruction conflict with Approved Plans, request clarification from Developer's Engineer before proceeding.
- D. Comply with specified standards as a minimum quality for the Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Perform work by persons qualified to produce workmanship of specified quality.
- F. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion or disfigurement.

1.03 REFERENCES

- A. Conform to reference standard by date of issue, current on date of start of construction.
- B. Should specified reference standards conflict with Approved Plans, request clarification from Developer's Engineer before proceeding.

1.04 FIELD SAMPLES

- A. Install field samples at the site as required by individual specification Sections for review.

- B. Acceptable samples represent a quality level for the Work.
- C. Where field sample is specified in individual Sections to be removed, clear area after field sample has been accepted by Authority Engineer.

1.05 INSPECTION AND TESTING LABORATORY SERVICES

- A. Developer shall employ services of an independent firm to perform inspection and testing. Developer shall pay for services of that firm.
- B. The independent firm will perform inspections, tests, and other services specified in individual specification Sections and as required by the Authority Engineer.
- C. Reports will be submitted by the independent firm to the Authority Engineer indicating observations and results of tests and indicating compliance or non-compliance with Approved Plans.
- D. Cooperate with independent firm; furnish samples of materials, design mix, equipment, tools storage and assistance as requested.
 - 1. Notify Authority Engineer and independent firm 48 hours prior to expected time for operations requiring services.
 - 2. Arrange with independent firm and pay for additional samples and tests required for Developer's use.

1.06 MANUFACTURERS' FIELD SERVICES AND REPORTS

- A. Submit qualifications of observer to Authority Engineer 14 days in advance of required observations. **Observer subject to approval of Authority Engineer.**
- B. When specified in individual specification Sections, require material or Product suppliers or manufacturers to provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start-up of equipment, test, adjust and balance of equipment, and return services as applicable, and to initiate instructions when necessary.
- C. Representatives are to report observations and site decisions or instructions given to applicators or installers that are supplemental or contrary to manufacturers' written instructions.
- D. Submit report within 30 days of observation to Authority Engineer for review.
- E. Provide to Authority Engineer two copies of the "Manufacturer's Check-Out Certification."

PART 2 PRODUCTS

(Not used)

PART 3 EXECUTION

(Not used)

END OF SECTION

MANUFACTURER'S CHECK-OUT CERTIFICATION

OWNER:	Hilltown Twp. Water & Sewer Authority	No. Copies	___
ENGINEER:	Castle Valley Consultants, Inc.	No. Copies	___
DEVELOPER:		No. Copies	___
CONTRACTOR:		No. Copies	___
OTHER:		No. Copies	___

PROJECT DATA

Name: _____
 Number: _____
 Date: _____
 Drawing No: _____
 Specification Section: _____

Name of equipment checked: _____
 Name of manufacturer of equipment: _____

1. The equipment furnished by us has been checked on the job by us. We have reviewed (where applicable) the performance verification information submitted to us by the Contractor.
2. The equipment is properly installed, except for items noted below.
3. The equipment is operating satisfactorily, except for items noted below.
4. The written operating and maintenance information (where applicable) has been presented to the Contractor, and gone over with him in detail. Five (5) copies of all-applicable operating and maintenance information and parts lists have been furnished to him for insertion in each of the Equipment Brochures.

Checked By: _____	_____
Name of Manufacturer's Rep.	Name of General Contractor
_____	_____
Address and Phone No. of Rep.	Authorized Signature/Title/Date
_____	_____
Signature/Title/Person Making Check	Name of Subcontractor
_____	_____
Date Checked	Authorized Signature/Title/Date

Manufacturer's Representative Notations: Exception noted at time of check were:

Manufacturer's Representative to note adequacy of related equipment that directly affects operation, performance or function of equipment checked. (No comment presented herein will indicate adequacy of related systems or equipment):
