# WELL CONSTRUCTION AT TYNES BAY WATER TREATMENT FACILITY

## 45 NORTH SHORE ROAD DEVONSHIRE

#### **NOTES**

#### 1.0 GENERAL

- 1.1 THESE NOTES APPLY TO DRAWINGS 50-700-50-C00 TO C03.
- 1.2 ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS NOTED OTHERWISE.
- 1.3 ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE SPECIFICATION.
- 1.4 ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS FOR THIS PACKAGE. WHERE A DISCREPANCY EXISTS BETWEEN THE DRAWINGS AND SPECIFICATIONS IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
- 1.5 DO NOT SCALE THE DRAWINGS. DIMENSIONS ARE TO BE USED AS A GUIDE ONLY. CONTRACTOR TO FIELD MEASURE FOR ALL DIMENSIONAL REQUIREMENTS.
- 1.6 ALL DETAILS AND ARRANGEMENTS OF EXISTING CONDITIONS, DIMENSIONS, ETC. TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION
- 1.7 CONTRACTOR TO MAKE GOOD ANY DAMAGES CAUSED ON SITE, REPAIRING TO MATCH EXISTING OR AS APPROVED BY THE MINISTRY OF WORKS AND ENGINEERING.

#### 2.0 SCOPE OF WORK

- 2.1 UNLESS NOTED OTHERWISE THE CONTRACTOR SHALL SUPPLY ALL THE NECESSARY MATERIALS TO COMPLETE THE WORK.
- 2.2 THE WORK INVOLVES
  - DRILLING AND CONSTRUCTION OF A NEW SEAWATER WELL
  - CONSTRUCTION OF A WELL HEAD SYSTEM
  - CONNECTION OF THE WELL TO EXISTING RAW WATER PIPES
  - CONNECTION OF WELL TO POWER AND CONTROLS SYSTEM FOR THE WATER TREATMENT FACILITY

#### 3.0 EXCAVATION AND EARTHWORK

3.1 ALL EXCAVATION AND EARTHWORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATIONS FOR THIS PACKAGE.

#### 4.0 FOUNDATIONS

- 4.1 ALL FOOTINGS AND FOUNDATIONS TO BEAR ON UNDISTURBED SOUND ROCK.
  BEARING MATERIAL IS TO REMAIN UNDISTURBED AND BE REVIEWED BY
  THE ENGINEER PRIOR TO POURING FOOTING AND FOUNDATIONS.
- 4.2 ANY SOFT AREAS IN ROCK ARE TO BE REMOVED AND FILLED WITH 15 MPA CONCRETE TO THE ENGINEER'S APPROVAL.

#### 5.0 CONCRETE

5.1 ALL CONCRETE IS TO BE IN ACCORDANCE WITH THE SPECIFICATION.

- 5.2 CONCRETE MIX DESIGNS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- 5.3 CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
- 5.4 REINFORCING CHAIRS TO BE PLASTIC, OR CONCRETE.
- 5.5 THE CONTRACTOR SHALL GIVE A MINIMUM OF 24 HOURS NOTICE TO THE ENGINEER PRIOR TO POURING ANY CONCRETE.

#### 6.0 INSPECTION AND TESTING

- 6.1 CONTRACTOR TO PROVIDE 24 HOURS NOTICE FOR THE INSPECTION OF ALL REINFORCING, INCLUDING MASONRY REINFORCING PRIOR TO POURING CONCRETE.
- 6.2 CONCRETE TO BE TESTED BASED ON SPECIFICATION REQUIREMENTS. TESTING TO BE DONE BY SUPPLIER.

#### 7.0 SHOP DRAWINGS AND SUBMITTALS

- 7.1 REVIEW OF THE DRAWINGS BY THE ENGINEER IS TO VERIFY CONFORMANCE WITH THE GENERAL DESIGN DETAILS AND DOES NOT COVER APPROVAL OF DETAILED DESIGNS AND CONNECTIONS. FURTHER, THIS REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR ENSURING THAT THE WORK IS CARRIED OUT IN ACCORDANCE WITH THE DRAWINGS
- 7.2 ALLOW 10 WORKING DAYS FOR REVIEW OF SHOP DRAWINGS.

#### 8.0 PRODUCTS

8.1 WELL CASING:

CERTA-LOCK PVC WELL CASING CERTAIN TEED CORPORATION 750 East Swedesford Road Valley Forge, PA 19482 USA Phone: (610) 341-7000

Fax: (610) 341-7777

OR SIMILAR APPROVED.

### THE MINISTRY OF PUBLIC WORKS

P.O. Box HM525 Hamilton HMCX Bermude Phone: (441)295-5151

> DEPARTMENT OF WORKS AND ENGINEERING Fax: (441)292-4219

Water and Wastewater Section

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Well Construction

at Tynes Bay Water

Treatment Facility

45 North Shore Road

**DEVONSHIRE** 

COVER SHEET

50-206-50-C00

AND NOTES

SHEET NUMBER:

SHEET TITLE:

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