

SCALE: 1" = 2000'

SCALE: 1" = 5000'

## RICHARD BLAND COLLEGE CONSTRUCTION

## ELEVATED WATER STORAGE TANK

PRINCE GEORGE & DINWIDDIE COUNTY - VIRGINIA

BCOM PROJECT CODE: 241-17357

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TIE-IN POINT TO EXISTING

12" WATER LINE

## GENERAL NOTES FOR WATER DISTRIBUTION SYSTEMS

1. ALL COMPONENTS OF THE WATER DISTRIBUTION SYSTEM SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH THE LATEST EDITION PROJECT STANDARDS AND SPECIFICATIONS FOR WATER DISTRIBUTION IMPROVEMENTS AND THE COMMON WEALTH OF VIRGINIA WATERWORKS REGULATIONS. THE CONTRACTOR SHALL USE ONLY NEW MATERIALS, PARTS, AND PRODUCTS ON ALL PROJECTS. ALL MATERIALS SHALL BE STORED SO AS TO ASSURE THE PRESERVATION OF THEIR QUALITY AND FITNESS FOR THE

2. THE CONTRACTOR'S REPRESENTATIVE SHALL SUBMIT SHOP DRAWINGS FOR ALL MATERIALS FOR APPROVAL TO THE ENGINEER AND PRINCE GEORGE COUNTY AUTHORITY PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALL MATERIALS ORDERED AND INSTALLED PRIOR TO THE ENGINEER'S REVIEW AND ACCEPTANCE WILL BE AT THE CONTRACTOR'S RISK.

3. THE CONTRACTOR SHALL COMPLY WITH EROSION AND SEDIMENT CONTROL STANDARDS OUTLINED IN THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT HANDBOOK (VESCH). THESE ARE MINIMUM REQUIREMENTS. FIELD CONDITIONS MAY REQUIRE ADDITIONAL CONTROLS.

4. AFTER TESTING IS COMPLETE AND ALL COMPONENTS OF THE WATER SYSTEM ARE ACCEPTABLE THEN ALL RED LINE FIELD DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER. ANY DISCREPANCIES NOTED DURING THE FINAL INSPECTION SHALL BE CORRECTED BY THE CONTRACTOR WITHIN 30 DAYS.

5. ROUTINE PERIODIC INSPECTIONS DURING CONSTRUCTION WILL BE PROVIDED BY THE ENGINEER. THESE INSPECTIONS DO NOT RELIEVE THE CONTRACTOR FROM HIS OBLIGATION AND RESPONSIBILITY FOR CONSTRUCTING A WATER DISTRIBUTION SYSTEM IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE COMMONWEALTH OF VIRGINIA WATERWORKS AND SANITARY SEWAGE REGULATION STANDARDS.

6. ANY CHANGES TO THE FINAL PLANS SHALL BE APPROVED BY RICHARD BLAND COLLEGE, PRINCE GEORGE COUNTY, AND THE ENGINEER. THE CHANGES SHALL BE ACCURATELY INDICATED ON THE RECORD DRAWINGS.

7. ANY REQUIRED PERMITS AND APPROVALS SHALL BE ACQUIRED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.

8. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES. REGULATIONS AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION. THE CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR SAFETY AND PROTECTION. THE CONTRACTOR SHALL ALSO NOTIFY "MISS UTILITY" PRIOR TO PERFORMING ANY UNDERGROUND EXCAVATION.

9. THE CONTRACTOR IS RESPONSIBLE FOR SECURING A COPY OF THE LATEST EDITION OF THE VIRGINIA WORK AREA PROTECTION MANUAL, STANDARDS AND GUIDELINES FOR TEMPORARY TRAFFIC CONTROL BY THE VIRGINIA DEPARTMENT OF TRANSPORTATION. THESE STANDARDS AND GUIDELINES SHALL BE KEPT ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION. THE APPLICABLE TRAFFIC CONTROLS SHALL BE FOLLOWED DEPENDING ON SPECIFIC SITE CONDITIONS.

10. WHEN WORKING WITHIN THE RIGHT-OF-WAY THE CONTRACTOR SHALL COMPLY WITH THE LATEST EDITION OF VDOT'S ROAD AND BRIDGE STANDARDS.

11. WHERE THERE IS CONFLICTING DIRECTION FROM APPROVING AUTHORITIES THE ENGINEER SHALL BE CONTACTED FOR DIRECTION.

12. DUCTILE IRON PIPE SHALL BE ANSI/AW/AWWA C151 CLASS 52 FOR 12" AND SMALLER AND CLASS 51 FOR 16" AND LARGER.

13. ALL BENDS AND TEES SHALL INCLUDE MEGALUGS, KICKERS, AND JOINT RESTRAINTS INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

14. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST PRINCE GEORGE COUNTY SPECIFICATIONS.

15. THE ELEVATED STORAGE TANK CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST VDH WATERWORKS REGULATIONS, ANSI/AWWA D100, "STANDARD OF WELDING STEEL TANKS FOR WATER STORAGE", AMERICAN WELDING SOCIETY, WELDING

16. THE UPPER PART OF THE ELECTRICAL CABINETS SHALL BE INSTALLED APPROXIMATELY 6 FT OFF OF THE FINISHED FLOOR ELEVATION.

OWNER/DEVELOPER

MICHAELE SHRIVER, FACILITIES DIRECTOR

RICHARD BLAND COLLEGE

11301 JOHNSON ROAD

PETERSBURG, VIRGINIA 23805

(804) 962-6212

THE FOLLOWING PROJECT DATA IS ON THE BASIS OF VIRGINIA UNIFORM STATE WIDE BUILDING CODE, 2006 EDITION.

1. CONSTRUCTION GROUP CLASSIFICATION: U

2. OCCUPANT LOAD: 1 3. CONSTRUCTION TYPE: TYPE 1

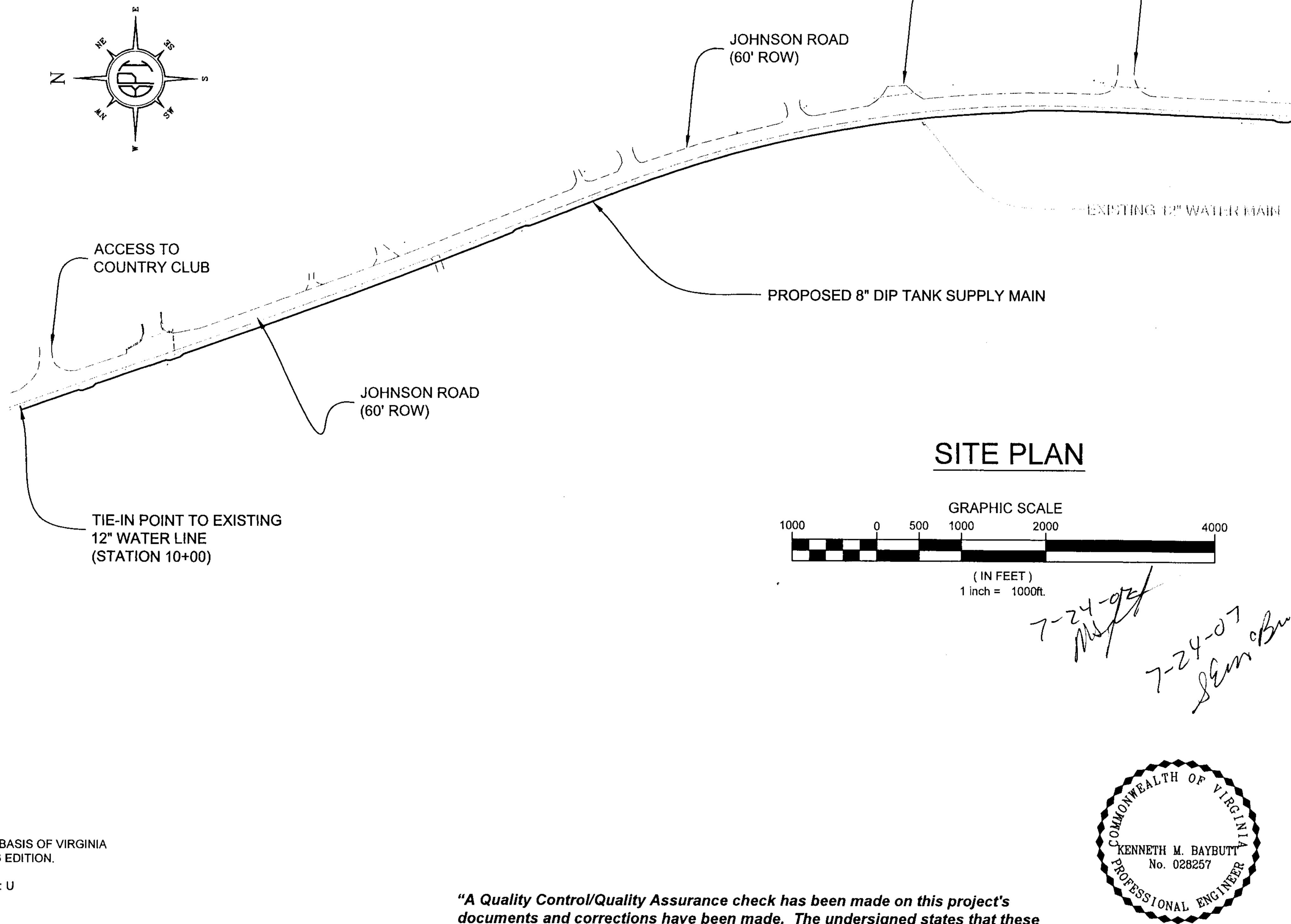
4. WIND SPEED: 100 MPH

5. WIND EXPOSURE CATEGORY: CATEGORY C 6. SEISMIC DESIGN CATEGORY: CATEGORY C

7. SEISMIC SITE CLASSIFICATION: I 8. HEIGHT ABOVE GROUND: 163 FT

9. FLOOR LIVE LOAD @ TOWER PAD: 4,248,000 LBS 10. ROOF LIVE LOAD: 26,875 LBS

11. REQUIRED SOIL BEARING CAPACITY: 2,000 PSF



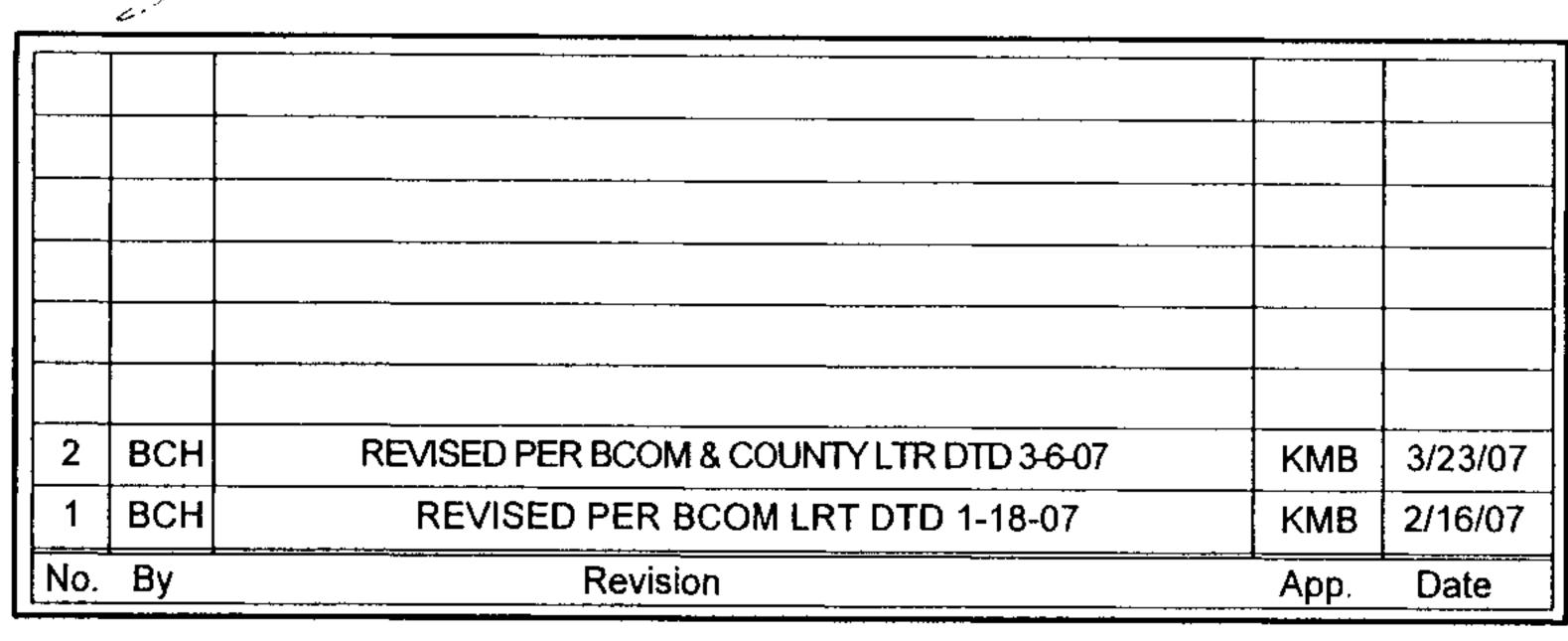
documents and corrections have been made. The undersigned states that these

plans and specifications submitted for review are complete and ready for bidding."

Kenneth M. Baybutt, P.E.

JOHNSON ROAD PROPOSED TANK ACCESS ROAD PROPOSED 12" PROPOSED 8" DIP TANK SUPPLY MAIN ——— DIP WATERMAIN **END PROJECT STATION 48+60** \_ 60KW EMERGENCY GENERATOR UNDERGROUND LP FUEL 4" DRAIN PIPE W/RIP-RAP - 250,000/500,000 GALLON SPHEROID PEDISTAL TANK

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CONSTRUCTION OF ELEVATED WATER STORAGE TANK

Date: December 22, 2006

BEFORE DIGGING CALL "MISS UTILITY"

OF VIRGINIA AT 1 - 800 - 552 - 7001

Project No. 210640004

Sheet No. CS