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WATER & SEWER NOTES

. ALL MATERIALS FOR SEWER AND WATER SYSTEMS SHOWN SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE LATEST APPLICABL ■ SPECIFICATION OF PRINCE GEORGE COUNTY.

2. ALL WORK SHALL BE SUBJECT TO INSPECTION BY UTILITY DEPARTMENT OFFICIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF APPROPRIATE COUNTY OFFICIALS 40 HOURS PRIOR 7

. MINIMUM CLEAR COVER FOR ALL WATER PIPE SHALL BE 3.5 FEET.

4. THE UTILITY CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY HIGHWAY PERMITS AND SEND A COPY TO THE COUNTY PRIOR TO START OF

ANY LOT WITH LESS THAN 50 FEET OF FRONTAGE SHALL HAVE FRONT CORNERS OR END OF 6' CONNECTION STAKED PRIOR TO CONSTRUCTION OF A 6" SEWER SERVICE.

6. SEWER PIPE SHALL BE PVC. ALL SEWER JOINTS SHALL BE CLASS A. BEDDING SHALL BE CLASS B MINIMUM; BEDDING SHALL BE AS SHOWN IN DETAIL ON SHEET C10.

7. SEWER GRADES ARE BASED ON U.S.C. AND G.S. DATUM.

8. CONTRACTOR SHALL INSTALL 6" SEWER SERVICE CONNECTIONS TO ALL LOTS (R/W LINE OR EDGE OF EASEMENT) AS SHOWN.

9. ALL WATER SERVICES ARE TO BE COPPER, TYPE K, DRAWN TUBING.

10. THE CONTRACTOR WILL INSTALL ALL WATER CONNECTIONS AND METER 1

11. FIRE HYDRANT PUMPER CONNECTIONS SHALL FACE IN THE DIRECTION OF THE ARROW.

12. THE EXACT MANHOLE TOP SHALL BE ON THE SAME GRADE AS THE FINISHED ROAD GRADE AND AS NOTED ON SEWER CUT SHEETS.

13. BACKFILL FOR ALL UTILITIES WITHIN PROPOSED SUBDIVISION STREETS SHALL BE PLACED GENERALLY IN ACCORDANCE WITH PRINCE GEORGE COUNTY SPECIFICATIONS, AND THE FOLLOWING CRITERIA: (NO TRENCH SHALL BE BACKFILLED UNTIL AUTHORIZED BY THE COUNTY MATERIALS USED FOR BACKFILL FROM THE BOTTOM OF THE TRENCH TO FREE FROM FROST. LARGE CLODS, STONES AND DEBRIS, AND SHALL BE THOROUGHLY AND CAREFULLY COMPACTED. (2.) BACKFILL SHALL BE

14. THE ENGINEER WILL CERTIFY THAT THE ROADS ARE WITHIN 6" OF

15. FOR SEWER AND WATER INSTALLATION WITHIN EXISTING VDOT R/W; UTILITY CONTRACTORS MUST NOTIFY VDOT WHEN INSTALLATION BEGINS 50 THAT DENSITY CAN BE TESTED (95% @ OPTIMUM MOISTURE +20%) INSPECTION OF UTILITY BACKFILL SHALL BE PROVIDED BY A THIRD PARTY INSPECTOR PER VDOT REQUIREMENTS AT THE CONTRACTORS

. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES SHOWN ON THE PLANS IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT ENGINEER SHOWN ON THE PLAN. OR IF: THERE APPEARS TO BE A CONFLICT. AND THE UTILITY CALL "MISS UTILITY" OF CENTRAL VIRGINIA: 1-800-552-7001 (TOLL FREE).

17. THE INSTALLATION OF BACK FLOW DEVICE IS REQUIRED IN ALL HOUSES WHERE THE FINISHED FLOOR ELEVATION IS LOWER THAN UPGRADE MANHOLES. THIS DEVICE WILL BE INSPECTED BY THE COUNTY BUILDING

18. INDIVIOUAL WATER SERVICES TO BE 34".

3. ALL WATERLINE VALVES MUST BE LOCATED ON THE TEE OR CROSS

20. ALL MANHOLES IN UTILITY EASEMENTS ARE TO HAVE THE CONCRETE EASEMENTS AND ONLY ONE HEIGHT ADJUSTMENT RING WILL BE ALLOWED ON MANHOLES LOCATED IN THE ROAD.

21. A SMOOTH TRANSITION OF DROP MANHOLE MUST BE PROVIDE FOR EACH LATERAL OR SANITARY SEWER ENTERING A SANITARY MANHOLE.

22. ALL FIRE HYDRANTS SHALL BE 0.5.H.A. RED IN COLOR.

IRON LIDS. THE METER ASSEMBLLY WILL BE SUPPLIED WITH METERS ARE TO BE COMPATIBLE WITH THIS PROPOSED SYSTEM.

24. FIRE HYDRANTS ARE TO BE MUELLER TYPE BE INSTALLED USING

25. ALL SANITARY LATERALS THAT ARE LOCATED OUTSIDE OF THE RIGHT OF WAY ARE TO HAVE THE CLEANOUT INSTALLED TO THE EDGE OF THE EASEMENT. A CARSONITE MARKER SHALL ALSO BE INSTALLED TO INDICATE THEIR LOCATION.

26. ALL HYDRANTS SHALL BE EQUIPPED WITH A MUELLER HYDRANT WITH 4 CODED KEYS THAT WILL WORK WITH THEALL NOZZLE CAPS. THE / CODED LOCK/KEY COMBINATION. KEYS SHALL BE SENT DIRECTLY TO THE COUNTY ENGINEER AT PRINCE GEORGE COUNTY.

27. ALL HYDRANTS AND BENDS SHALL BE EQUIPPED WITH MEGA LUGS.

20. ALL SANITARY SEWER MANHOLES SHALL BE SEALED AT THE JOINTS WITH AN EXTERNAL RUBBER SLEEVE SIMILAR TO THE INFI-SHIELD SEAL WRAP AS MANUFACTURED BY SEALING SYSTEMS, INC. THE SEAL SHALL BE MADE OF EPOM (ETHYLENE PROPYLENE DIENE MONOMER) RUBBER WITH A MINIMUM THICKNESS OF 65 MILS. EACH UNIT SHALL HAVE A 2-INCH WIDE MASTIC STRIP ON THE TOP AND BOTTOM EDGE OF THE RUBBER WRAP. THE MASTIC SHALL BE NON-HARDENING BUTYL RUBBER SEALANT WITH A MINIMUM THICKNESS OF 125 MILS. THE SEAL SHALL BE DESIGNED TO PREVENT LEAKAGE OF WATER THROUGH THE JOINT SECTIONS OF A MANHOLE. THIS IS IN ADDITION TO THE NORMAL O-RING

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04287PLN

DESIGNED:

OCT. 10, 2005

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PROJECT OFFICE:

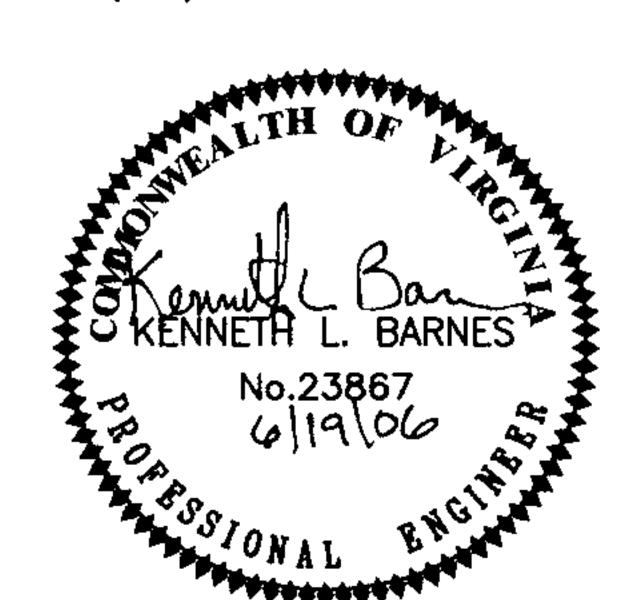
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Waterside <u>at Jordan</u>

Condominiums

Bland District Prince George County, Virginia

SHEET NO: