GENERAL NOTES:

1. UTILITIES SHOWN ARE APPROXIMATE AND BASED ON BEST AVAILABLE INFORMATION SUPPLIED BY UTILITY OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH, AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES, WHETHER SHOWN ON DRAWINGS OR NOT, AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS. CONTRACTOR SHALL PERFORM SUCH DETERMINATION A MINIMUM OF 500 FEET IN ADVANCE OF PIPE LAYING TO ALLOW FOR ALIGNMENT AND GRADE CORRECTIONS. NO ADDITIONAL PAYMENT WILL BE MADE TO RELAY OR REWORK PIPE BASED ON FAILURE TO COMPLY.

2. CONTRACTOR SHALL BE RESPONSIBLE FOR UNEARTHING AND VERIFYING TYPE AND OUTSIDE DIAMETER OF EXISTING UTILITIES(SEWER, WATER, ETC.) AND SHALL FURNISH REQUIRED FITTINGS AND/OR ADAPTERS PRIOR TO CONNECTION TO EXISTING LINES OR MANHOLES.

3. CONTRACTOR SHALL LAY FORCE MAIN IN A CONSTANTLY INCREASING OR DECREASING SLOPE.

4. PROVIDE A CONTINUOUS 12-GUAGE COATED, COPPER STRANDED WIRE TAPED EVERY 6 FEET ON CENTERS ATOP PVC PIPE. COPPER WIRE SHALL BE CLAMPED TO A TWO FOOT STAINLESS STEEL 1/2" DOWEL AT EACH AIR RELEASE VALVE PIT. STAINLESS STEEL ROD SHALL BE EASILY ACCESSIBLE ONCE MANHOLE COVER IS REMOVED.

5. ALL WATER PIPE SHALL HAVE A MINIMUM OF THREE (3) FEET OF COVER.

6. PROVISIONS SHALL BE MADE DURING CONSTRUCTION AND AFTER FINAL COMPLETION TO PROVIDE EROSION CONTROL. ALL ERODED AREAS SHALL BE RE-GRADED, REFILLED AND RE-SEEDED UNTIL A STAND OF GRASS HAS DEVELOPED.

7. ALL AREAS DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE CLEANED, FERTILIZED, SEEDED AND MULCHED AS PER THE EXISTING CONDITIONS. NO DIRECT PAYMENT WILL BE MADE. COST OF WORK WILL BE INCLUDED IN OTHER ITEMS.

8. CONTRACTOR SHALL TAKE EVERY PRECAUTION THAT IS NECESSARY SO AS NOT TO DISRUPT ANY EXISTING UNDERGROUND UTILITY OR PIPELINES.

9. WATER PIPING LOCATION AS SHOWN ARE APPROXIMATE. SEE SPECIFICATIONS FOR CONFLICTS, LINE LOCATIONS, AND FIELD CHANGES.

10. FITTINGS CALLED FOR AT EACH CONNECTION MAY VARY BY FIELD CHANGE AS DIRECTED BY ENGINEER. PROVIDE CONCRETE BLOCK IN ACCORDANCE WITH DETAILS.

11. FOR PVC PIPE INSTALLATION, RESTRAINT DEVICES USED IN LIEU OF THRUST BLOCKING SHALL BE CERTIFIED BY A THIRD PARTY CERTIFIED AND APPROVED BY THE ENGINEER. RESTRAINT DEVICES SHALL BE FM OR UL APPROVED AND COMPLY WITH UNI-B-13-92. RESTRAINT DEVICES SHALL BE PROVIDED BY EBAA IRON, UNIFLANGE, OR APPROVED EQUAL.

12. ELECTRICAL OVERHEAD AND UNDERGROUND LINES ARE LOCATED ON OR NEAR CONSTRUCTION AREA. CONTRACTOR SHALL TAKE PROPER SAFETY PRECAUTIONS DURING CONSTRUCTION WHEN WORKING AROUND HIGH VOLTAGE LINES. NOT ALL OVERHEAD OR UNDERGROUND LINES MAY BE SHOWN IN THE DRAWINGS. WHEN SHOWN, EXACT LOCATIONS MAY VARY.

13. CONTRACTOR SHALL REMOVE AND REPLACE CULVERTS, MAILBOX, ETC. WHICH INTERFERES WITH THE INSTALLATION OF THE FORCE MAINS. COST FOR REMOVAL AND REPLACEMENT SHALL BE INCLUDED IN OTHER ITEMS OF WORK. THERE WILL BE NO DIRECT PAYMENT FOR THIS WORK.

14. WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SEWER LINES. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. WATER MAIN CROSSING SEWER LINES SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER.

15. ALL PIPING WHICH HAS THE ABILITY TO TRAP AIR DURING THE CONSTRUCTION OR OPERATIONAL PHASES SHALL HAVE A TAP AT THE HIGHEST POINT OF THE PIPING TO REMOVE ENTRAPPED AIR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE AIR FROM ALL PIPING BEFORE OPERATIONS OF ANY WATER MAINS. COST FOR REMOVAL OF AIR IN PIPING SHALL BE PLACED IN OTHER ITEMS. THERE WILL BE NO DIRECT PAYMENT FOR THIS WORK.

16. NO DIRECT PAYMENT WILL BE MADE FOR ANY TIE-INS. COSTS FOR THIS WORK SHALL BE INCLUDED IN OTHER ITEMS.

17. ALL DUCTILE IRON FITTINGS AND PIPE SHALL BE WRAPPED A MINIMUM OF 8-MIL POLYETHYLENE TO PREVENT CORROSION.

18. CONTRACTOR SHALL DISINFECT WATER LINE IN ACCORDANCE WITH AWWA C-651 OR THE ALTER REVISION THERE OF.

19. ALL ABOVE GRADE PIPING SHALL BE DUCTILE IRON CLASS 53 FLANGED PIPE. IF BELOW GRADE PIPING SPECIFIED IS OTHER THAN DUCTILE IRON, TRANSITION BELOW GRADE WITH RESTRAINED JOINT. TRANSITION SHALL BE A MINIMUM OF THREE (3) FEET BELOW GRADE UNLESS OTHERWISE NOTED.

20. ALL DUCTILE IRON PIPING BURIED SHALL HAVE A POLYETHYLENE ENCASEMENT CONFORMING TO ANSI A21.5/AWWA C105 HAVING A MINIMUM THICKNESS OF 0.008 INCHES MINUS 10% TOLERANCE.

21. ALL CONCRETE SURFACES SHALL HAVE A SMOOTH, SLICK, FINISH. ALL EXPOSED CONCRETE SURFACE TO HAVE RUBBED FINISH.

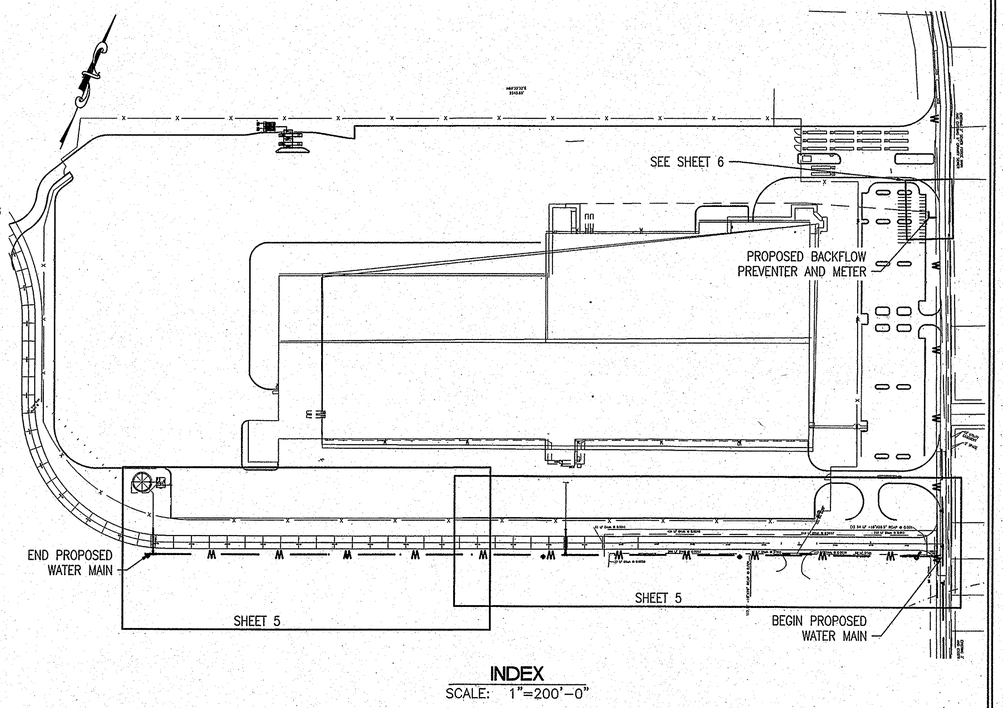
22. ANY CONFLICTS OF NEW WATER LINES WITH EXISTING AND/OR UNKNOWN UTILITIES SHALL BE RESOLVED BY THE ENGINEER IN THE FIELD.

23. STRUCTURES AND PIPELINES SHALL BE LOCATED SUBSTANTIALLY AS INDICATED ON THE DRAWING, BUT ENGINEER RESERVES THE RIGHT TO MAKE SUCH MODIFICATIONS IN LOCATIONS AS MAY BE FOUND DESIRABLE TO AVOID INTERFERENCE WITH EXISTING KNOWN AND UNKNOWN STRUCTURES OR FOR OTHER REASONS. SUCH NOTIFICATION IS FOR THE CONTRACTORS CONVENIENCE AND DOES NOT RELIEVE HIM FROM LAYING AND JOINING DIFFERENT OR ADDITIONAL ITEMS WHERE REQUIRED.

24. MEASUREMENT AND PAYMENT FOR DIRECTIONAL DRILLING THE 12" HDPE SDR17 FORCE MAIN ALONG AVENUE D WILL BE MEASURED AND PAID UNDER THE 12" HDPE SDR17 WATER PIPE ITEM (ITEM #1D) AND 12" DIRECTIONAL DRILL METHOD ONLY (AVENUE D) (ITEM #7A). ITEM #7A-12" DIRECTIONAL DRILL METHOD ONLY (AVENUE D) IS TO PAY FOR THE INCREMENTAL COST INCREASE FOR DIRECTIONAL DRILLING. THE COST OF THE WATER PIPE WILL NOT BE INCLUDED IN ITEM #7A AND WILL BE PAID FOR UNDER ITEM #1D-12" HDPE SDR17 WATER PIPE.

25. MEASUREMENT AND PAYMENT FOR JACK AND BORING THE 12" HDPE SDR17 FORCE MAIN ALONG 84 LUMBER ROAD WILL BE MEASURED AND PAID UNDER THE 12" HDPE SDR17 WATER PIPE ITEM (ITEM #1D) AND 12" JACK AND BORE METHOD ONLY (84 LUMBER) (ITEM #7B). ITEM #7B 12" JACK AND BORE METHOD ONLY (84 LUMBER ROAD) (ITEM #7B) IS TO PAY FOR THE INCREMENTAL COST INCREASE FOR JACK AND BORING. THE COST OF THE WATER PIPE WILL NOT BE INCLUDED IN ITEM #7B AND WILL BE PAID FOR UNDER ITEM #1D-12" HDPE SDR17 WATER PIPE.

26. ALL HDPE PIPE TO BE DIPS



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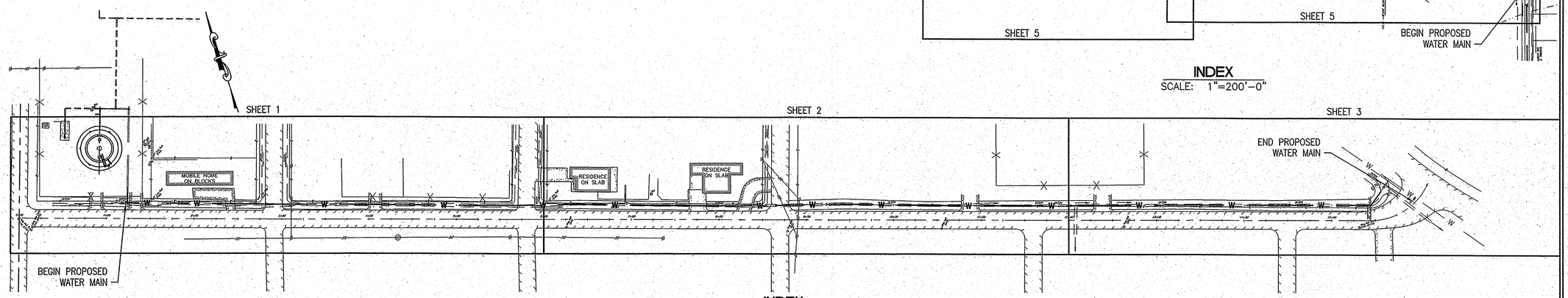

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SCALE: AS NOTED

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AVE D SHEET INDEX AND GENERAL NOTES

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OWNER: TOWN OF PEARL RIVER

PROJECT: POTABLE WATER IMPROVEMENTS
AWG DEVELOPMENT
PEARL RIVER, LOUISIANA

PROJECT: 1120

SHEET: I