

CONSTRUCTION NOTES (THIS SHEET)

- BACKFILL SHALL BE CLASS 'A'
- GRADING SHALL BE BY OTHERS. PRIOR TO CONSTRUCTION FOR 29TH STREET SE, MCKENZIE DRIVE SE AND BAY SHORE BEND SE FROM STA. 0+00 TO STA. 9+00, 31ST STREET SE AND BAY SHORE BEND SE FROM STA. 9+00 TO STA. 20+80 WILL BE GRADED AFTER THE SANITARY SEWER IS INSTALLED AND BEFORE THE WATER AND STORM SEWER ARE INSTALLED. WATER AND SEWER CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH THE EARTHWORK CONTRACTOR.
- SUPPLIERS SHALL SUBMIT MANHOLE SHOP DRAWINGS TO THE CITY OF MANDAN ENGINEERING DEPARTMENT FOR APPROVAL.
- CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS. MONUMENTS DISTURBED OR DESTROYED SHALL BE REPLACED BY THE OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ASPHALT OFFSITE AS NECESSARY TO CONNECT TO THE EXISTING SANITARY SEWER MANHOLE. CONTRACTOR SHALL REPLACE REMOVED ASPHALT WITH FULL DEPTH COLD MIX ASPHALT. CONTRACTOR SHALL CUT IN AN INVERT AND NEW FLOW LINE AND GROUT THE SPACE BETWEEN THE EXISTING MANHOLE AND THE NEW SANITARY SEWER. SAID WORK SHALL BE CONSIDERED INCIDENTAL TO THE "CONCRETE AND ASPHALT REMOVAL" BID ITEM.
- CONTRACTOR SHALL INSULATE THE SANITARY SEWER FROM STA. 20+00 TO STA. 21+50 AND THE SEWER SERVICE FOR LOT 2 BLOCK 1 WITH 2" X 4" X 8" INSULATION BOARDS. PLACE BOARDS 6" ABOVE AND PARALLEL WITH THE SEWER AND OVERLAP THE JOINTS BY 6".
- CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE GROUND WATER ELEVATION. THE CONTRACTOR SHALL DEWATER AS NECESSARY TO CONSTRUCT THE SANITARY SEWER AND WATERMAIN. ALL COSTS ASSOCIATED WITH DEWATERING SHALL BE CONSIDERED INCIDENTAL TO OTHER BID ITEMS.
- STORM SEWER TO BE CONSTRUCTED BY OTHERS.
- ALL SANITARY SEWER MANHOLES SHALL HAVE INTEGRAL BASES WITH BOOTS.

APPROXIMATE WYE LOCATIONS

STATION	DIRECTION	LOT	BLOCK
FROM EX. MANHOLE TO MANHOLE NO. 14			
2+26	N	1	1
2+55	S	1	2
FROM MANHOLE NO. 14 TO MANHOLE NO. 15			
1+95	N	2	1

