| LINE | NOTE | SCHEDULE | BNC. | ITEM | UNIT OF MEASUREMENT | DESCRIPTION | QUANTITY | PARTICIPATIONS | STORED MATERIAL | NON-PARTICIPATIONS | STORED MATERIAL | NON-PARTICIPATIONS | TOTAL QUANTITY |
|------|------|----------|------|------|---------------------|-------------|----------|---------------|----------------|----------------|----------------|----------------|-----------------|--------------|
| 118 |      | 2024-501 | TEMPORARY WATER SERVICE | U MPI | UMPI | 50-FEET lengths | EACH | 1.90 | - | - | - | - | 1.90 |
| 119 |      | 2024-502 | TEMPORARY WATER SERVICE | U MPI | UMPI | 50-FEET lengths | EACH | 2.30 | - | - | - | - | 2.30 |
| 120 |      | 2024-503 | TEMPORARY WATER SERVICE | U MPI | UMPI | 50-FEET lengths | EACH | 2.00 | - | - | - | - | 2.00 |
| 121 |      | 2024-504 | TEMPORARY WATER SERVICE | U MPI | UMPI | 50-FEET lengths | EACH | 1.50 | - | - | - | - | 1.50 |
| 122 |      | 2024-505 | TEMPORARY WATER SERVICE | U MPI | UMPI | 50-FEET lengths | EACH | 2.50 | - | - | - | - | 2.50 |
| 123 |      | 2024-506 | TEMPORARY WATER SERVICE | U MPI | UMPI | 50-FEET lengths | EACH | 4.00 | - | - | - | - | 4.00 |
| 124 |      | 2024-507 | TEMPORARY WATER SERVICE | U MPI | UMPI | 50-FEET lengths | EACH | 6.00 | - | - | - | - | 6.00 |

CONSTRUCTION NOTES:

16) THERE ARE (2) DIFFERENT PRESSURE ZONES ALONG GLENWOOD STREET. THESE CANNOT BE CROSS CONNECTED.
17) HYDRANT ITEM INCLUDES "HYDRANT ASSEMBLY" AS DEFINED IN DULUTH'S 2003 STANDARD CONSTRUCTION SPECIFICATIONS.
18) FITTING WEIGHT BASED ON (1) 8" X 8" REDUCER, (1) 8" X 6" TEE, (2) 6" CAPS, (1) 8" X 6" TEE, (1) 8" SLEEVE & (1) 22.5° BEND.
19) ITEM TO BE USED TO LOWER EXISTING GAS MAIN TO MAINTAIN 3' OF COVER.
20) INCLUDES (16) 5000, (14) 5010, (27) 5020 AND (3) 5020 CASTINGS.
21) TO BE PLACED AT PIPE APRON ENDS AND THE INFILTRATION TRENCH INLETS. LOCATIONS SHOWN ON EROSION CONTROL SHEETS.
22) ITEM TO BE USED TO CONSTRUCT CONCRETE STEPS.
23) ITEM BASED ON (2) APPLICATIONS, ONE AFTER SECOND BASE COURSE AND ONE AFTER WEAR COURSE. INCLUDES 4" DOUBLE SOLID YELLOW LINE.
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**CONSTRUCTION NOTES:**

1) REMOVE ALL CURB AND GUTTER WITHIN CONSTRUCTION LIMITS.
2) ALL EXISTING STORM SEWER IS PC PIPE.
3) THIS ITEM TO BE USED WHEN NEW PIPE IS IN A DIFFERENT ALIGNMENT THAN EXISTING. WHERE PIPE IS IN THE SAME TRENCH AS EXISTING, REMOVAL WILL BE CONSIDERED INCIDENTAL.
4) THIS ITEM TO BE USED WHEN NEW WATER MAIN IS IN A DIFFERENT ALIGNMENT THAN EXISTING. WHERE PIPE IS IN THE SAME TRENCH AS EXISTING, REMOVAL OF NEW MAIN, DRAIN, VALVE & BOX, AND ABANDONED 4" STEEL GAS WILL BE CONSIDERED INCIDENTAL.
5) CONTRACTOR TO SALVAGE CASTING AND DELIVER TO THE CITY OF DULUTHS COMFORT SYSTEMS YARD.
6) CONTRACTOR SHALL SALVAGE, STORE AND REINSTALL SIGNS.
7) ITEM TO BE USED FOR TEMPORARY ACCESS TO DRIVEWAYS AND SCHOOL ENTRANCE. ALSO INCLUDED IS 23 CY FOR GRAVEL DRIVEWAY RESTORATION.
8) ITEM TO BE USED FOR BIMETALIC DRIVEWAY RESTORATION. INCLUDES EXCAVATION, 12" OF CLASS 5 AND 2" OF BIMETALIC.
9) ITEM TO BE USED IN SANITARY AND WATER MAIN TRENCHES WHERE NATIVE SOIL IS NOT SUITABLE FOR SACKFILL.
10) ITEM WILL BE DIRECTED BY THE ENGINEER AS TRENCH CONDITIONS WARRANT.
11) ITEM TO BE USED FOR BEDDING PIPE OR STRUCTURES IN A WET TRENCH BELOW THE 9" BELLING MATERIAL.
12) EACH 10' CLEANOUT INCLUDES 10'1/2" TEE, 4' OF 13" PVC RISER PIPE AND 13" PVC CAP.
13) ITEM TO BE INSTALLED ON THE 10" PVC PIPE DRAIN BEHIND EXISTING. INCLUDES (2) 13"4" WYES, (2) 4 PIECES OF 4" PVC AND (4) 4" PVC CAPS.
14) ITEM INCLUDES REMOVAL OF EXISTING SERVICE PIPE FROM MAIN TO ROW.
15) ITEM WILL BE USED TO CONNECT NEW 6" PVC SERVICE TO EXISTING CLAY OR PVC SANITARY SEWER SERVICES.
16) ITEM TO BE USED TO CONNECT NEW SANITARY SEWER MHS TO EXISTING SANITARY SEWER MAINS.