

GENERAL NOTES

LAKE COUNTY
LAK-90-13.00



EROSION CONTROL

ITEM 601 - BAGGED CONCRETE RIPRAP, AS PER PLAN

BAGGED CONCRETE RIPRAP SHALL BE PLACED ALONG THE CHANNEL BOTTOM, AND ALONG THE CHANNEL SIDES TO A HEIGHT OF 2 FEET AS INDICATED IN THE PLANS AND ACCORDING TO ITEM 601.04. THE REQUIRED RIPRAP THICKNESS SHALL BE ACHIEVED BY PLACING BAGS IN LAYERS. RIPRAP THICKNESS SHALL CONSIST OF 3 LAYERS OF BAGS ON THE FIRST CHANNEL PLATEAU, AND SHALL BE TAPERED FROM 4 LAYERS OF BAGS TO 2 LAYERS OF BAGS ALONG THE SECOND CHANNEL PLATEAU. IN ADDITION TO THE REINFORCING STEEL INDICATED UNDER ITEM 601 - BAGGED CONCRETE RIPRAP, #4 DEFORMED REINFORCING STEEL SHALL BE PROVIDED AND SHALL BE PLACED AT LOCATIONS INDICATED IN THE PLANS. DOWEL HOLES SHALL BE DRILLED INTO THE SHALE TO A DEPTH OF 12 INCHES AND DEFORMED REINFORCING STEEL SHALL BE INSERTED AND GROUTED IN PLACE. DOWEL HOLES SHALL BE DRILLED AND DEFORMED REINFORCING STEEL SHALL BE GROUTED PRIOR TO PLACING BAGGED CONCRETE RIPRAP. SEE SHEET NO. 74

ITEM 670 - SLOPE EROSION PROTECTION

IMMEDIATELY AFTER ITEM 203 - EMBANKMENT, AS PER PLAN, HAS BEEN PLACED AND APPROVED, THE CONTRACTOR SHALL PROTECT THE SLOPE WITH SEEDING AND EXCELSIOR MATTING, SEEDING AND JUTE MATTING, OR SOD, AS INDICATED IN THE PLANS (SEE SHEET NO. 72) AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE MADE UNDER ITEM 670 - SLOPE EROSION PROTECTION. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN PROVIDED IN THE GENERAL SUMMARY SHEET.

ITEM 670 - SLOPE EROSION PROTECTION 725 S.Y.

ITEM SPECIAL - HERBICIDES FOR WEED CONTROL

PRIOR TO PLACING THE ITEM 301 BITUMINOUS AGGREGATE, AN APPLICATION OF PRINCEP 80 IN, OR AMISINE OR AN APPROVED EQUAL SHALL BE APPLIED TO THE SHOULDER BED. THE RATE AND METHOD OF APPLICATION FOR AMISINE OR OF AN APPROVED EQUAL SHALL BE IN STRICT CONFORMANCE WITH THE MANUFACTURER'S INSTRUCTIONS. PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE BID PER SQUARE YARD, "ITEM SPECIAL - HERBICIDES FOR WEED CONTROL", WHICH PRICE SHALL CONSTITUTE FULL COMPENSATION FOR ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND WATER REQUIRED TO COMPLETE THIS ITEM OF WORK.

ITEM 670 - DITCH EROSION PROTECTION

AFTER THE ORIGINAL DITCH CROSS SECTION AND GRADE HAVE BEEN RE-ESTABLISHED, THE DITCHES SHALL BE LINED WITH SEEDING AND EXCELSIOR MATTING, SEEDING AND JUTE MATTING, OR SOD, WHERE DIRECTED BY THE ENGINEER. PAYMENT SHALL BE MADE UNDER ITEM 670 - DITCH EROSION PROTECTION. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN PROVIDED IN THE GENERAL SUMMARY. SEE SHEET NO. 72

ITEM 670 - DITCH EROSION PROTECTION 5,000 S.Y.

ITEM 207 - FILTER FABRIC FENCE

MATERIALS: FILTER FABRIC SHALL MEET THE REQUIREMENTS OF ITEM 207.02

CONSTRUCTION: THE BOTTOM OF THE FENCE SHALL BE BURIED 6" BELOW THE GROUND. THE FENCE SHALL BE HIGH ENOUGH TO RETAIN SEDIMENT LADEN WATER AND ADEQUATELY SUPPORTED TO PREVENT COLLAPSE OR BURSTING.

MAINTENANCE: THE FILTER FABRIC FENCE SHALL, AT THE DIRECTION OF THE ENGINEER, BE MAINTAINED TO BE FUNCTIONAL. THIS SHALL INCLUDE REMOVAL OF TRAPPED SEDIMENT AND REQUIRED CLEANING, REPAIR, AND/OR REPLACEMENT OF THE FILTER FABRIC.

PAYMENT: THE COST OF ALL MATERIALS, CONSTRUCTION, MAINTENANCE AND REMOVAL REQUIRED SHALL BE PAID FOR UNDER ITEM 207 LIN. FT. FILTER FABRIC. SEE SHEET NO. 72

ITEM 207 - FILTER FABRIC FENCE 50 L. F.

DRAINAGE

ITEM 602 - CONCRETE MASONRY

THE END WALL SHALL BE CONSTRUCTED AS SHOWN IN THE PLANS AND ACCORDING TO THE STANDARD CONSTRUCTION DRAWING HW-4A. THE END WALL SHALL BE SET INTO SOUND, STABLE SHALE TO A DEPTH OF 15 INCHES. WHERE UNSTABLE MATERIAL IS ENCOUNTERED, THE ABOVE DEPTH SHALL BE INCREASED AS DIRECTED BY THE ENGINEER. THE COST OF SHALE REMOVAL AND ANY ADDITIONAL CONCRETE REQUIRED FOR THE INCREASED WALL DEPTH SHALL BE INCLUDED UNDER THE CONTRACT PRICE BID FOR ITEM 602 CONCRETE MASONRY. SEE SHEET NO. 74