PLOT SUBMITTED: 09-OCT-1998 08:49
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PLOTTED BY: fkonopka
PLOTTED FROM: i:\users\bkruse\pid09864\09864gnb.dgn

ROADWAY

ITEM 201 - CLEARING AND GRUBBING

THIS LUMP SUM ITEM SHALL BE USED TO CLEAR BRUSH AND TREES OBSTRUCTING SIGHT DISTANCES. THESE LOCATIONS SHALL BE AS DETERMINED BY THE PROJECT ENGINEER.

THIS LUMP SUM SHALL ALSO BE USED TO CLEAR BRUSH AND TREES FOR THE INSTALLATION OF THE STRAWBERRY LANE OUTLET PIPE. (SEE SHEET 76A AND 76B)

TREES WITHIN THE EXISTING SEWER EASEMENT SHALL NOT BE REMOVED WITHOUT THE APPROVAL OF THE PROJECT ENGINEER. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY SURVEY AND STAKE THE EXISTING SEWER EASEMENT. THE CONTRACTOR MUST CONTAIN ALL OF HIS/HER WORK WITHIN THE EXISTING SEWER EASEMENT.

CURB WORK

CURB SHALL BE REPLACED AT THE LOCATIONS SHOWN ON THE PLAN SHEETS AND ACCORDING TO THE CURB SUB-SUMMARIES.

ALL PROPOSED CURB SHALL HAVE A 6" REVEAL (4" MIN.) AFTER RESURFACING; HOWEVER, THE CONTRACTOR SHALL INSURE POSITIVE DRAINAGE OF ALL WALKS AND TREE LAWNS TOWARD THE ROADWAY.

AT LOCATIONS WHERE THE PROPOSED CURB MEETS ADJACENT EXISTING CURB (MOST NOTABLY AT INTERSECTION RADII) THE CONTRACTOR SHALL PROVIDE A TEN (10) FOOT MINIMUM VERTICAL TAPER TO MEET THE EXISTING CURB. IF THE INTERSECTING STREET HAS NO CURB, THAN THE CONTRACTOR SHALL ESTABLISH A 10 FOOT MINIMUM VERTICAL TAPER LEVEL WITH THE PAVEMENT TO PROVIDE A SAFE CURB END TREATMENT.

ITEM 604 - MONUMENT ASSEMBLY

EXISTING MONUMENT BOXES WHICH ARE TO BE ADJUSTED TO GRADE AND ARE FOUND TO BE BROKEN SHALL, AT THE DIRECTION OF THE ENGINEER BE REPLACED WITH A NEW MONUMENT BOX AS SHOWN IN STANDARD DRAWING RM-1.1M. THE FOLLOWING ESTIMATED QUANTITY IS PROVIDED IN THE GENERAL SUMMARY FOR THIS WORK AS DIRECTED BY THE ENGINEER.

ITEM 604 - MONUMENT ASSEMBLY . . . . . 2 EACH

ITEM 203, LINEAR GRADING, AS PER PLAN A

THIS ITEM OF WORK SHALL CONSIST OF REMOVING EXISTING ASPHALT CURB AND ENOUGH EARTH TO EXPOSE THE EXISTING EDGE OF PAVEMENT. ALL COLLECTED DEBRIS SHALL BE REMOVED AND DISPOSED OF AS SPECIFIED IN 203.05. AFTER THE SURFACE COURSE AND PROPOSED ASPHALT CURB HAVE BEEN CONSTRUCTED, A SUITABLE MATERIAL SHALL BE PLACED BETWEEN THE ASPHALT CURB AND THE TREELAWN AS DETAILED IN THE TYPICAL SECTIONS. THE TOP 3" SHALL CONSIST OF LOOSE, FRIABLE, LOAMY SOIL WITHOUT THE ADMIXTURE OF REFUSE OR STONE GREATER THAN 1". THE SOIL SHALL BE CAPABLE OF SUPPORTING VEGETATION.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT BID PRICE FOR ITEM 203, STA., LINEAR GRADING, AS PER PLAN A, AND SHALL INCLUDE BOTH THE REMOVAL OF CURB AND EARTH AND PLACEMENT OF SUITABLE MATERIAL, LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO PERFORM THIS ITEM OF WORK.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY, MEASURED ON ONE SIDE OF PAVEMENT, TO BE USED AS DIRECTED BY THE ENGINEER, AS OUTLINED ABOVE:

ITEM 203 - LINEAR GRADING, AS PER PLAN A . . . . . 390 STA.

ITEM 203 - LINEAR GRADING, AS PER PLAN B

GRADED SHOULDERS AT LOCATIONS WHERE EXISTING GUARDRAIL IS REMOVED, OR WHERE NEW GUARDRAIL IS TO BE ERECTED, SHALL BE RESHAPED AS DIRECTED BY THE ENGINEER TO INSURE A SMOOTH DRAINABLE SURFACE FREE OF ALL IRREGULARITIES. EXCESS EXCAVATION RESULTING FROM RESHAPING SHOULDERS SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER. PAYMENT FOR RESHAPING GRADED SHOULDERS AS DESCRIBED SHALL BE INCLUDED IN THE CONTRACT PRICE PER STATION FOR ITEM 203 - LINEAR GRADING, AS PER PLAN B.

LOCATION OF GUARDRAIL

THE LOCATIONS OF GUARDRAIL RUNS, AS SHOWN IN THESE PLANS, ARE SUBJECT TO ADJUSTMENT PRIOR TO FINAL ACCEPTANCE. THE ENGINEER SHALL BE SATISFIED THAT ALL INSTALLATIONS WILL AFFORD MAXIMUM PROTECTION FOR TRAFFIC.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A "W-BEAM RAIL SPLICE" AS SHOWN ON STANDARD CONSTRUCTION DRAWING GR-1.1. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

GUARDRAIL REPLACEMENT

THE FOLLOWING ITEMS SHALL BE USED TO REMOVE AND REPLACE GUARDRAIL IN AREAS WHERE THE EXISTING GUARDRAIL IS TOO LOW OR IS DAMAGED.

THE FOLLOWING ESTIMATED QUANTITIES SHALL BE USED TO REPLACE GUARDRAIL AS DIRECTED BY THE ENGINEER.

ITEM 202 - GUARDRAIL REMOVED . . . . . 200 LIN. FT.
ITEM 203 - LINEAR GRADING, AS PER PLAN B . . . . 2 STATION
ITEM 606 - GUARDRAIL, TYPE 5 . . . . . 200 LIN. FT.

ITEM SPECIAL - MAILBOX SUPPORT

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4" X 4" SQUARE OR 4-1/2" DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2" I.D., AND CONFORM TO AASHTO M181.

HARDWARE (PLATES, SCREWS, BOLTS, ETC.) SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.12. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX SUPPORT, (SINGLE) (DOUBLE).

ITEM 623 - CONSTRUCTION LAYOUT STAKES, AS PER PLAN

THIS ITEM SHALL INCLUDE A FIELD VERIFICATION OF EXISTING CONDUIT INVERT ELEVATIONS AT ALL DRAINAGE STRUCTURES THAT ARE TO BE REPLACED AS PART OF THIS PROJECT, BY THE CONTRACTOR. THIS SURVEY SHALL BE PERFORMED BY THE CONTRACTOR PRIOR TO ORDERING PRECAST STRUCTURES.

ALL COSTS FOR THIS SURVEY SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 623 - CONSTRUCTION LAYOUT STAKES, AS PER PLAN.

ITEM 202 - REMOVAL MISC.: REMOVAL OF CONCRETE FLOWER PLANTER

THIS ITEM OF WORK SHALL INCLUDE THE REMOVAL OF CONCRETE FLOWER PLANTERS AT THE NORTHEAST CORNER OF S.R. 91 AND U.S.R. 6 AND S.R. 91 AND EDDY RD. THE COST OF SAWCUTTING (AS DETAILED ON SHEET 80), REMOVING AND DISPOSING OF THE CONCRETE WALLS AND REGRADING OF THE ISLAND AT BOTH LOCATIONS SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 202 - REMOVAL MISC.: REMOVAL OF CONCRETE FLOWER PLANTER.

CALCULATED BJK
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GENERAL NOTES
ROADWAY

CUYAHOGA COUNTY
LAKE COUNTY
CUY/LAK-91-15.42/0.00