

CALC. BY *JK*  
DATE *6/12/88*  
CHKD. BY *JK*  
DATE *6/12/88*

LAKE COUNTY  
LAK - 306 - 6.50

OHIO  
FHWA  
REGION 5

3  
38

# GENERAL NOTES

## FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A SUITABLE OFFICE HAVING A MINIMUM OF 300 SQUARE FEET OF FLOOR SPACE. PAYMENT SHALL BE AT THE LUMP SUM PRICE BID FOR ITEM 619, FIELD OFFICE.

## UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.04 O.R.C.

## UTILITY OWNERSHIP

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

EAST OHIO GAS COMPANY  
1717 EAST NINTH ST.  
CLEVELAND, OHIO 44114  
216/361-2345

OHIO WATER SERVICE  
8644 STATION STREET  
MENTOR, OHIO 44060  
216/255-3421

CLEVELAND ELECTRIC ILLUMINATING CO.  
2210 SOUTH RIDGE WEST  
ASHTABULA, OHIO 44004  
216/998-3131

OHIO BELL TELEPHONE COMPANY  
820 W. SUPERIOR AVE. RM. 703  
CLEVELAND, OHIO 44113  
216/822-6241

CONTINENTAL CABLE  
77 NORTH ST. CLAIR STREET  
PAINESVILLE, OHIO 44077  
216/354-0454



LAKE COUNTY SANITARY ENGINEER  
105 MAIN STREET  
PAINESVILLE, OHIO 44077  
216/357-2645

## CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR PLAN ITEMS SET UP TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE ENGINEER'S DISCRETION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

## CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES AND/OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITH THE LIMITS OF THIS PROJECT, A LUMP SUM QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

## REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE WORK LIMITS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTIONS SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PERTINENT 603 CONDUIT ITEMS OF THE CONTRACT.

## CONNECTION TO EXISTING PIPE

WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS EITHER OVER OR UNDER AN EXISTING SEWER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE BOTH AS TO LINE AND GRADE BEFORE HE STARTS TO LAY THE PROPOSED CONDUIT.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 603 CONDUIT ITEMS.

## CONDUIT END TREATMENT

IMMEDIATELY AFTER PLACEMENT OF ANY CONDUITS, THE CONTRACTOR SHALL CONSTRUCT THE END TREATMENTS REQUIRED BY THE PLANS AT BOTH THE OUTLET AND INLET ENDS. THIS SHALL INCLUDE HEADWALLS, CONCRETE RIPRAP, ROCK CHANNEL PROTECTION, SODDING, ETC.

## HOUSE CONNECTIONS

EXISTING ROOF DRAINS, FOOTER DRAINS OR YARD DRAINS, DISTURBED BY THE PROPOSED WORK, SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING TO A STORM SEWER, MANHOLE, CATCH BASIN, THROUGH THE CURB.

THE LOCATION, TYPE, SIZE AND GRADE OF REQUIRED REPLACEMENTS WILL BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 603 - 4" CONDUIT, TYPE E, 707.19	100 L.F.
ITEM 603 - 6" CONDUIT, TYPE E, 706.01 OR 706.08	100 L.F.
ITEM 603 - 6" CONDUIT, TYPE F	100 L.F.

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL REQUESTED BY THE ENGINEER.

## UNRECORDED SANITARY CONNECTIONS

ANY UNRECORDED ACTIVE CONNECTION TO A SANITARY SEWER ENCOUNTERED DURING CONSTRUCTION SHALL BE RECONNECTED TO THE EXISTING SEWER, AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 603 - 6" CONDUIT, TYPE C, 706.01, <i>OA</i> 706.08 WITH JOINTS AS PER 706.11 OR 706.12	100 L.F.
ITEM 603 - 6" CONDUIT, TYPE B, 706.01 CL. 3, <i>OA</i> 706.08 WITH JOINTS AS PER 706.11 OR 706.12	100 L.F.

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

## ITEM 604 - CATCH BASIN, NO. 2-3, AS PER PLAN

THE WORK FOR THIS ITEM SHALL CONFORM TO THE REQUIREMENTS OF STANDARD DRAWING CB 2-3, EXCEPT THAT THE GRATE SHALL BE EAST JORDAN IRON WORKS CATALOG NUMBER 6500, NEENAH FOUNDRY COMPANY CATALOG NUMBER R-4346, OR APPROVED EQUAL.

## ITEM 605 - 4" SHALLOW PIPE UNDERDRAIN, AS PER PLAN

ALL GRANULAR FILTER MATERIALS FOR THIS ITEM SHALL BE LIMITED TO DURABLE NATURAL AGGREGATES, NO. 8 OR NO. 9 SIZE.

## ITEM 202 - STRUCTURES REMOVED

THE LUMP SUM STRUCTURES REMOVED SHOWN ON SHEETS 13 & 14 ARE CONCRETE HEADWALLS TO BE REMOVED IN THEIR ENTIRETY AND BACKFILLED AS PER 203.07. THE LUMP SUM UNIT PRICE BID FOR STRUCTURES REMOVED SHALL INCLUDE ALL LABOR, TOOLS & MATERIAL NECESSARY TO PROPERLY COMPLETE THE WORK AS SPECIFIED.

## ITEM 202 - CURB & GUTTER REMOVED, AS PER PLAN

THE EXISTING CURB AND GUTTER SHALL BE REMOVED BY SAW CUTTING THE PAVEMENT TWO FEET FROM THE BACK OF CURB AND REMOVAL OF ALL MATERIALS. PAYMENT SHALL BE MADE FOR THE ACTUAL NUMBER OF LINEAR FEET OF CURB AND GUTTER REMOVED, AS PER PLAN.

## ITEM 604 - CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN

THE EXISTING CATCH BASIN AT STA. 9+50, 25' RT. ON INDUSTRIAL PARK BLVD. SHALL BE RECONSTRUCTED TO A MANHOLE TO GRADE. THE WORK INCLUDED IN THIS ITEM, INCLUDING EXCAVATION AND BACKFILL, SHALL BE PAID FOR AT THE CONTRACT PRICE, COMPLETE IN PLACE.