

# GENERAL NOTES

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

14  
212

LAKE COUNTY  
LAK-44-722

## SEPTIC TANKS

WHERE SEPTIC TANKS, CESSPOOLS OR LEACHING BASINS ARE ENCOUNTERED ALL MATERIAL CONTAINED IN THEM SHALL BE REMOVED FROM THE RIGHT OF WAY LIMIT.

EACH STRUCTURE SHALL THEN BE PROPERLY BACKFILLED, OR REMOVED IF DIRECTED BY THE ENGINEER, AS PROVIDED IN THE STANDARD SPECIFICATIONS AND PAYMENT FOR SAME SHALL BE MADE UNDER ITEM E-1. REMOVAL OF THE TILE FIELDS ADJOINING THESE FEATURES IS NOT REQUIRED UNLESS THEY WOULD ALLOW FLOW OF WATER UNDER THE EMBANKMENT.

## DITCH SODDING

THE SOD WIDTH "W" WHERE NOTED ON THE PLANS IS THE PLAN WIDTH REQUIRED. PLACEMENT SHALL BE AS DEFINED IN ITEM L-10 SODDING.

A QUANTITY OF 1,200 SQUARE YARDS OF ITEM L-10 SODDING HAS BEEN PROVIDED IN THE GENERAL SUMMARY TO BE USED FOR EROSION CONTROL WHERE AND AS DIRECTED BY THE ENGINEER.

## COOPERATION BETWEEN CONTRACTORS

THE WORK COVERED BY THESE PLANS ADJOINS CONSTRUCTION OF HEISLEY ROAD TO THE SOUTH. IN THE EVENT THAT CONSTRUCTION ON THE ADJOINING SECTION IS BEING CARRIED ON SIMULTANEOUSLY WITH THIS SECTION, THE CONTRACTOR SHALL PLAN AND COORDINATE HIS WORK WITH THAT OF THE OTHER CONTRACTOR SO THAT A MINIMUM OF INTERFERENCE AND INCONVENIENCE WILL RESULT.

## PRIVATE SEWER TAPS

THIS PLAN MAKES NO PROVISION FOR CONNECTING, NOR SHALL THE ENGINEER OR CONTRACTOR CONNECT, ANY EXISTING OR NEW PRIVATE DRAINAGE TO THE NEW HIGHWAY DRAINAGE SYSTEM WHEN SUCH PRIVATE DRAINS CARRY EFFLUENT OR DRAINAGE FROM LEACHING BED OUTLETS, CELLAR DRAINS, OR SINK DRAINS, OR POLLUTED WATER OF ANY KIND.

## EXPANSION JOINTS

ALTHOUGH SPECIFIC LOCATIONS OF CERTAIN EXPANSION JOINTS HAVE BEEN DETAILED ON THIS PLAN, NO WAIVER OF THE SPECIFICATIONS IS INTENDED AND EXPANSION JOINTS SHALL BE PROVIDED AT ALL MAJOR STRUCTURES AS REQUIRED BY STANDARD CONSTRUCTION DRAWING T.J., 9-12-60.

## ITEM T-10, AS PER PLAN

THE WEIGHTS TO BE USED IN CALCULATING THE YARDAGE TO BE PAID FOR UNDER THIS ITEM SHALL, IF A STANDARD SIZE COARSE AGGREGATE IS SPECIFIED, BE THE SAME AS THOSE INDICATED IN THE CONSTRUCTION AND MATERIAL SPECIFICATIONS FOR CRUSHER RUN OR BANK RUN MATERIALS.

## ROAD MIX QUANTITIES

THE QUANTITY OF BITUMINOUS MATERIAL ESTIMATED FOR THE BITUMINOUS ROAD MIX SURFACE COURSE HAS BEEN CALCULATED FOR USE WITH SLAG AGGREGATE. IF THE CONTRACTOR ELECTS TO USE STONE OR GRAVEL AGGREGATE, BITUMINOUS MATERIAL FOR THE ROAD MIX SHALL BE APPLIED AT THE RATE OF 0.9 GALLON PER SQUARE YARD WHICH WILL REQUIRE A TOTAL QUANTITY OF APPROXIMATELY 18,000 GALLONS. PAYMENT WILL BE MADE ON FINAL MEASUREMENT.

## SIGHT DISTANCE

BASIS FOR MEASURING SIGHT DISTANCE SHALL BE 4.5 FEET FOR HEIGHT OF EYE AND 4 INCHES FOR HEIGHT OF OBJECT. THE MINIMUM STOPPING SIGHT DISTANCE ON THIS PROJECT IS 475 FEET.

## MAINTAINING LOCAL TRAFFIC

AGGREGATE AND CHLORIDE REQUIRED FOR MAINTENANCE OF LOCAL TRAFFIC, IN ACCORDANCE WITH THE PROVISIONS OF SEC. G-4.05 OF THE SPECIFICATIONS IS PROVIDED IN THE SUMMARY OF QUANTITIES IN THE FOLLOWING AMOUNTS:

- 500 CU. YDS. TRAFFIC COMPACTED SURFACE COURSE,  
ITEM T-10
- 10 TONS CALCIUM CHLORIDE FURNISHED AND APPLIED,  
ITEM M-10

REQUIREMENTS FOR HARDNESS AND SOUNDNESS WILL BE WAIVED FOR AGGREGATE USED FOR MAINTAINING LOCAL TRAFFIC.

## PROPOSED SCHEDULE OF WORK AND TRAFFIC MAINTENANCE

THE PROPOSED FRONTAGE ROADS, LEFT AND RIGHT OF HEISLEY ROAD AND THE CONNECTOR LEFT, SHALL BE SCHEDULED FOR CONSTRUCTION AND COMPLETED BEFORE WORK IS COMMENCED ON THAT PORTION OF HEISLEY ROAD SOUTH OF S.R. 283.

THE RECONSTRUCTION OF BLACKBROOK ROAD SHALL BE BUILT SO AS TO PROVIDE ACCESS FOR ALL LOCAL RESIDENTS IN THE VICINITY, WHICH MUST USE BLACKBROOK ROAD, AND OTHER CONNECTIONS TO THEIR PROPERTY.

A TEMPORARY RUNAROUND IS PROVIDED AT THE INTERSECTION OF S.R. 283 AND HEISLEY ROAD TO FACILITATE THE MOVEMENT OF TRAFFIC ON S.R. 283 DURING SUCH TIME AS IT TAKES TO CONSTRUCT THE NEW WORK REQUIRED TO CARRY S.R. 283 OVER HEISLEY ROAD.

WHEN THE CONTRACTOR HAS PROVIDED THE PROPER ENTRY FOR LOCAL RESIDENTS, AS OUTLINED ABOVE, HE MAY CLOSE HEISLEY ROAD TO TRAFFIC, IN ORDER TO COMPLETE THE NEW WORK FOR THIS ROAD. AT SUCH TIME AS THE CONTRACTOR CLOSURES THIS ROAD TO TRAFFIC, HE SHALL NOTIFY THE COUNTY SO THE COUNTY ENGINEER CAN PROVIDE PROPER SIGNING FOR DETOURING TRAFFIC OVER OTHER LOCAL ROADS; SAID NOTIFICATION SHALL BE GIVEN EARLY ENOUGH TO ALLOW THE COUNTY TO PROVIDE THE NECESSARY ITEMS.

THE RECONSTRUCTION OF HEADLANDS ROAD SHALL BE DONE IN SUCH A MANNER AS TO ALLOW TRAFFIC TO CONTINUE OPERATING. PROPER TEMPORARY CONNECTIONS SHALL BE MADE AND MAINTAINED TO THE LOCAL ROADS WITHIN THE LIMITS OF THIS RECONSTRUCTION AND PARTICULARLY TO THE MORTAN SALT CO. ROAD WHICH CARRIES A LARGE VOLUME OF COMMERCIAL TRAFFIC. ALL THE ABOVE WORK ITEMS ARE SUBJECT TO THE OHIO STANDARD SPECIFICATIONS, SECTION G-4.05. THIS SECTION SHALL APPLY UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

## EXISTING WATER WELLS

DUG WELLS WITHIN THE WORK LIMITS SHALL BE FILLED WITH ROCK, OR GRANULAR MATERIAL MEETING THE REQUIREMENTS OF SEC. E-102 AND COMPACTED WITH WATER AS PROVIDED IN SEC. E-2.08 METHOD (b).

DRILLED WELL CASING SHALL BE REMOVED TO AN ELEVATION APPROXIMATELY THREE FEET BELOW FINISHED GRADE AND CAPPED WITH CLASS "E" CONCRETE OR A STANDARD THREADED PIPE CAP.

PRIOR TO CONSTRUCTION OF EMBANKMENT, THE CONTRACTOR SHALL REMOVE ANY MASONRY SURROUNDING A WELL WITHIN THREE FEET OF FINISHED GRADE. PUMPS AND OTHER APPURTENANCES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY HIM.

THE COST OF FILLING OR CAPPING OF WELLS SHALL BE INCLUDED IN THE UNIT PRICE BID PER CUBIC YARD OF ROADWAY EXCAVATION, ITEM E-1.

## LINE DATA CALCULATIONS FOR APPROACHES

RECONSTRUCTION OF BLACKBROOK ROAD STA. 0+32.00 TO STA. 3+50.00 NET LENGTH OF WORK	318.00 LIN. FT.
RECONSTRUCTION OF S. R. 283 STA. 21+60.00 TO STA. 42+00.00 NET LENGTH OF WORK	2,040.00 LIN. FT.
RECONSTRUCTION OF TEMPLE AVENUE STA. 0+35.00 TO STA. 4+50.00 NET LENGTH OF WORK	415.00 LIN. FT.
RELOCATION OF OLIVE STREET STA. 0+32.00 TO STA. 9+60.00 NET LENGTH OF WORK	928.00 LIN. FT.
RELOCATION OF HEADLANDS ROAD STA. 46+00.00 TO STA. 55+50.00 NET LENGTH OF WORK	950.00 LIN. FT.
TOTAL LENGTH APPROACHES	4,651.00 LIN. FT.

## DRIVEWAYS

DRIVEWAYS HAVE BEEN PROVIDED IN THE PLAN TO REESTABLISH ACCESS TO EXISTING BUILDINGS ALONG THE FRONTAGE ROADS. PARTS OF THIS WORK MAY BE NON-PERFORMED AS A RESULT OF RIGHT OF WAY NEGOTIATIONS WITH THE RESPECTIVE PROPERTY OWNERS. ADJUSTMENTS TO THE LOCATION AND LENGTH OF DRIVES MAY BE PERMITTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.

## TYPE OF JOINTS

INSTALL DRESS ER STYLE 60 BELL JOINT CLAMPS ON THE NEW 24" WATER MAIN.

ALL PIPE AND FITTINGS TO BE IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION NO. I-124.02.

*ALL PIPE SHALL BE CEMENT-MORTAR LINED IN ACCORDANCE WITH FEDERAL SPECIFICATIONS WW-P-421a, EXCEPT THE 24" LINE. MINIMUM COVER*

ALL WATER MAINS, EITHER NEW OR RELAID, WILL HAVE A MINIMUM COVER OF 4'-6", UNLESS OTHERWISE NOTED ON THE PLAN.

## RESET FIRE HYDRANTS

THE BID PRICE FOR THE REMOVING AND RESETTING OF A FIRE HYDRANT SHALL INCLUDE THE REMOVING AND RESETTING OR REPLACING OF ALL VALVES, FITTINGS, AND PIPE NECESSARY TO MAKE A PROPER CONNECTION TO THE WATER MAIN.

## WATER SERVICE

THE CONTRACTOR SHALL SCHEDULE ALL WATER MAIN WORK IN SUCH A MANNER THAT SERVICE WILL NOT BE DISRUPTED FOR ANY UNREASONABLE LENGTH OF TIME AND IN NO CASE FOR A PERIOD GREATER THAN EIGHT HOURS. ANY ADDITIONAL PIPE AND FITTINGS OR OTHER MATERIALS USED FOR PROVIDING TEMPORARY SERVICE OR MAINTAINING SERVICE WILL BE FURNISHED AT THE CONTRACTOR'S EXPENSE.

THE ABOVE NOTE IS NOT TO BE CONSTRUED, IN ANY WAY, AS AMENDMENTS OR ALTERATIONS OF THE REQUIREMENTS OF SUPPLEMENTAL SPECIFICATIONS NO. I-124.

## WATER SUPPLY

IN ORDER TO COMPLETE THE ITEM OF "RELAID WATER LINE", IT WILL BE NECESSARY TO SEVER THOSE PROPERTIES SERVED FROM THE 16-INCH MAIN ON HEISLEY ROAD NORTH OF S.R. 283, FROM THE NORMAL SOURCE OF SUPPLY USED BY THE OHIO WATER SERVICE. WHEN THIS SITUATION ARISES THE CONTRACTOR SHALL NOTIFY THE BEFORE NOTED UTILITY, WELL IN ADVANCE, SO THEY MAY MAKE ARRANGEMENTS TO KEEP THE 16-INCH RELAID MAIN FILLED FROM THE 24-INCH MAIN IN THE VICINITY OF OLIVE STREET RELOCATION.

## RELAID AND/OR NEW WATER LINE - 16-INCH

A SUFFICIENT QUANTITY OF 16-INCH NEW WATER MAIN HAS BEEN INCLUDED TO COVER ANTICIPATED NORMAL BREAKAGE, WHERE THE 16-INCH MAIN IS INTENDED TO BE RELAID. THIS QUANTITY IS NOT TO BE USED UNLESS THE EXISTING LINE IS NOT USABLE OR IS FAIRLY AND REASONABLY BROKEN DURING THE REMOVAL, AS JUDGED BY THE ENGINEER OR HIS REPRESENTATIVE. IF, IN THE OPINION OF THE ENGINEER, THE CONTRACTOR DID NOT USE PROPER METHODS AND CARE WHILE REMOVING THE EXISTING 16-INCH MAIN, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, REPLACE THE BROKEN PIPE WITH PIPE EQUAL TO THAT SPECIFIED FOR 16-INCH NEW WATER MAIN.

## EXCAVATION OF UNSUITABLE MATERIAL

THE RUBBISH FILL MATERIAL, AS INDICATED IN THE PLANS BETWEEN STA. 94+00± AND STA. 101+00±, SHALL BE REMOVED TO A DEPTH OF THREE FEET BELOW SUBGRADE WITHIN THE LIMITS OF THE PROPOSED OUTSIDE SHOULDER EDGES AND THE UNDERLYING RUBBISH ROLLED WITH A 50 TON PNEUMATIC RUBBER-TIRED ROLLER UNTIL NO FURTHER COMPACTION CAN BE REALIZED. A QUANTITY OF GRANULAR BORROW HAS BEEN PROVIDED TO AID IN LEVELING THE AREA AS ROLLING PROGRESSES. THE REMAINING FILL REQUIRED TO BRING THE GRADE TO SUBGRADE ELEVATION MAY BE REGULAR E-1 MATERIAL FROM ROADWAY EXCAVATION OR BORROW. ESTIMATED QUANTITIES FOR THE WORK ARE SHOWN ON THE COMPUTATION AND SUB-SUMMARY SHEET.

DISPOSAL OF THE EXCAVATED UNSUITABLE MATERIAL SHALL BE IN ACCORDANCE WITH SEC. E-1.06 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS.