

# GENERAL NOTES

## CLEANING STREETS AND ROADWAYS

Before the work herein specified is accepted, the Contractor shall, upon notice from the Engineer, thoroughly clean all streets, roads, sidewalks, driveways and lawns free from all debris and dirt accumulating from the construction work, and on all improved streets and roads shall completely shape up the entire roadway within the limits of the herein specified work.

The notice to clean and shape the streets or roadways will ordinarily be given as soon as sections of the work are completed and tested. Upon completion of said cleaning up to the satisfaction of the Engineer, the Contractor shall be relieved from further responsibility for the condition of the streets, excepting such conditions as may be traceable to settlement of backfill over the work or appurtenances thereof, or for any damage traceable to such settlement.

When the work is built in paved or unpaved streets, the Contractor will be required to remove dirt accumulating from his operations upon said street, or upon intersecting streets, lawns or sidewalks, as often as may be ordered by the Engineer. When the work is finally completed and before its final acceptance, the Contractor, upon written order from the Engineer shall thoroughly clean the whole of said street or streets to the satisfaction of the Engineer. No extra payment will be made for the work involved in this preliminary and final cleaning of paved or unpaved streets, but the cost of the same shall be considered as included in the prices stipulated for the various items of work to be performed under this contract.

Should the completion of the work occur at such a time that the final shaping and cleaning of the streets would come in the winter months, the cleaning and shaping may, by permission of the Engineer, be postponed until the following spring, and the amount sufficient to do the work will be retained from the monies due or to become due to the Contractor.

Should the Contractor fail to do the shaping and cleaning of the streets, within the limits of the herein specified work within seven (7) days after receipt of written notice from the Engineer to do so, the Owner will have the right to have said work done and the cost thereof deducted from the monies due or to become due to the Contractor.

## EXCESS EXCAVATION MATERIAL

The removal and disposal of all surplus excavated material shall be the responsibility of the Contractor. The disposal of excess excavated material may be made on lots and lands abutting upon this improvement, if so requested by the City or by the property owner. The Contractor shall furnish the Engineer a copy of written permission from the property owner prior to disposing of any waste materials.

The Contractor shall be responsible for the complete restoration of all waste areas used in the course of this contract. The restoration work shall include cleanup, shaping and grading and establishment of vegetative cover by seeding and mulching in accordance with O.D.O.T. specification item 659. The final grading of waste areas shall be properly sloped to provide drainage runoff. All rocks, boulders, concrete chunks, broken pipe, etc. shall be buried within the waste area to a depth of at least two (2) feet and shall not be visible at completion.

The cost of herein described work, including seeding and mulching, necessary to secure these results shall be considered incidental to the other various items of work in this contract. No separate payment will be made.

## MAINTENANCE OF SEWER FLOWS

The Contractor shall conduct his operations so as to maintain at all times storm sewer flows through existing sewers to remain in place and through existing sewers to be replaced until new sewers are completed and placed in use.

Payment for any additional costs involved in maintaining these flows by pumping or by any other means approved by the Engineer shall be included in the unit price bid for the several items in the contract. No separate payment will be made.

## GRANULAR MATERIAL FOR BACKFILL

Granular backfill material as specified under Ohio Department of Transportation Specification Item 310 shall be compacted in place in 4" layers at all locations where the proposed water line, sewer line, sewer lateral pipe, storm sewer or culvert pipe crosses existing or proposed streets, roadways, drives and parking areas, as shaded on the drawings or locations as directed by the Engineer. Granular backfill shall extend three (3) feet beyond edges of paved areas.

All costs involved in furnishing and installing granular backfill material, mechanically compacted in place, in accordance with the Ohio Department of Transportation Specification Item 603, shall be included in the unit prices bid for the associated storm sewer, water line, culvert or other item which requires granular backfill. No separate payment will be made.

## MISCELLANEOUS STORM SEWERS

The Contractor shall be responsible for repairing, replacing and reconnecting all miscellaneous storm sewers and drain pipes which are damaged, disturbed or otherwise encountered during construction.

All miscellaneous drainage pipes and tiles crossing new construction trenches, shall be restored in accordance with the Typical Tile Replacement Detail.

At locations directed by the Engineer, miscellaneous drainage pipe and tile shall be field connected to the proposed storm sewer. Field connections shall be made in accordance with the detail on the Standard Drawings.

Unless otherwise directed by the Engineer, the pipe size and material used for replacement, repairs or reconnections shall be the same as the existing.

All costs involved in repairing, replacing and reconnecting miscellaneous storm sewers and drain pipes including all excavation and backfill, as well as furnishing and installing all pipe, bends, fittings, couplers, support planks, mortar, etc., shall be included in the unit prices bid for the various storm sewer items. No separate payment will be made.

## DITCH RESTORATION

The final grading of the completed work on this project shall be accomplished in such a manner as to restore existing roadside ditches and other ditches as shown in the plans. Slight swales shall be installed to channel run-off water to the proposed or existing catch basins and inlets. The cost of all work involved in restoring existing ditches, grading existing slopes and forming drainage swales shall be considered incidental to the other various items of work in this contract. No separate payment will be made.

## FINAL GRADING

The final grading of the completed work on this project shall be accomplished in such a manner as to restore all disturbed areas, including lawn areas, ditches and other areas adjacent to berms and roadways. The disturbed areas shall be fine graded and shaped to a condition suitable to be seeded and mulched. The Contractor must obtain the Engineer's approval of the final grading prior to commencing any seeding work. The cost of all work involved in the final grading shall be considered incidental to the other various items of work in the contract. No separate payment will be made.

## ESTIMATED QUANTITIES

Specific locations and usage of estimated quantities set up on this plan to be used "as directed by the Engineer" shall be made a matter of record by incorporation into the final change order governing completion of this project. Estimated quantities of materials shall not be ordered for delivery to the project unless authorized by the Engineer.

## DUST CONTROL

The following quantities of calcium chloride and water are to be provided for dust control, as directed by the Engineer:

Item 616	Calcium Chloride	5	Ton
Item 616	Water	10,000	Gal.

## ABANDON EXISTING PIPES

Where existing pipes are call for on the plans to be plugged or abandoned, the Contractor shall install a concrete or vitrified plug or shall fill the pipe with concrete as directed by the Engineer. The cost of plugging existing pipes shall be included in the unit prices bid for the various storm sewer items. No separate payment will be made.

## SUBSURFACE CONDITION

It is the obligation and responsibility of the bidder to make his own investigations of subsurface conditions prior to submitting his proposal. The bidder may examine any existing records of borings, test excavations and other subsurface investigations, for his own information. Any available records of borings, test excavations or other subsurface investigations are considered incomplete and are not a part of the contract documents. The Contractor agrees that he will make no claim against the owner or the Engineer, if in carrying out the work, he finds that the actual subsurface conditions encountered do not conform to those indicated by said borings, test excavations or other subsurface investigations.

## ROCK EXCAVATION

The bidder shall satisfy himself as to the presence of rock or rock formations and the extent of rock removal required to complete the project. Payment for the removal and disposal of any rock encountered shall be included in the unit prices bid for various sewer pipe items. No separate payment will be made for rock removal.

## CONFLICTS WITH EXISTING WATER SERVICES

The Contractor shall be responsible for making repairs to existing water service lines where it becomes necessary to raise or lower services to clear the proposed storm sewers or where existing water services are damaged during construction. Repairs shall be made using approved pipe, unions and couplers and shall be completed to the satisfaction of the Engineer and the City of Logan Water Department. The cost of repairing existing water service lines, including all labor, materials, tools and equipment necessary to complete the repairs shall be included in the unit prices bid for the storm sewer items. No separate payment will be made.

## MISCELLANEOUS FIELD CONNECTIONS TO PROPOSED STORM SEWER

Existing drainage tile and pipe encountered during the progress of construction shall field connected to the proposed storm sewer at the locations shown on the plans or as directed by the Engineer, according to the Standard Drawings.

All connections to miscellaneous drains and tiles shall be made by using approved couplers or transition pieces with stainless steel bands, or by other methods as approved by the Engineer. The cost of making connections to miscellaneous drains and tiles shall be included in the unit prices bid for the various storm sewer items. No separate payment will be made.

