

(Note to User: Numbering of the following notes shall be maintained. If a note is omitted for any reason, the number shall be note with the text "Not Applicable")

GENERAL NOTES

1. The current City of Groveport specifications, together with the latest editions of the City of Columbus "Construction and Material Specifications" (CMSC) and Ohio Department of Transportation (ODOT) "Construction and Material Specifications" (ODOT CMS), including all supplements thereto, in force on the date of the contract shall govern all materials and workmanship involved in the improvements shown on these plans except as such specifications are modified by the following specifications, or by the construction details set forth herein. In case of any conflict among these identified technical specifications, the greater requirement shall take precedence (as determined by the sole discretion of the City Engineer) unless directed otherwise by the City Engineer.
2. Any modifications to the work as shown on these drawings must have written approval by the City Engineer, City of Groveport.
3. Approval of this plan is contingent upon any easements required for construction of the improvement work being secured by the Owner, recorded and submitted to the City of Groveport prior to commencement of the work. No work requiring an easement will be permitted to proceed until the necessary recorded easement has been provided to the City.
4. The term "building sewer" within these notes refers to that part of the sanitary sewerage system that connects the plumbing of a house or building to a common public sewer. The building sewer begins three feet outside the building foundation wall.

EXISTING UTILITIES

5. The identity and location of the existing underground utility facilities known to be located in the construction area have been shown on the plans as accurately as provided by the Owner of the underground utility. The City of Groveport and/or the Engineer assumes no responsibility as to the accuracy of the locations or the depths of the existing underground utility facilities shown on the plans.
6. The Contractor is responsible for the investigation, location, support, protection and restoration of all existing utilities and appurtenances whether shown on the plans or not. This work includes the maintenance of adequate depth on all existing utility facilities for the duration of construction activity.
7. Where potential grade and alignment conflicts might occur with existing utilities, or as specifically called out on the plans (these locations are noted thus: **EXPOSE**), the Contractor shall expose utilities or structure sufficiently in advance of laying pipe for the Engineer to verify the vertical and horizontal effect on the proposed construction. Any discrepancy to the plans shall be coordinated with the City Engineer to ensure that there are no construction or conflict issues associated with discrepancy. The cost of this work shall be included in the unit price bid for the proposed improvements if a specific bid item is not provided in the estimate of quantities.
8. All private utility relocation (gas, electric, phone, etc.) will be the responsibility of the utility

owners. The Contractor is responsible for coordinating the relocation and/or protection of any utilities as required by the plan with the owner of the affected utility.

9. Private utility manholes within the limits of the work shall be adjusted to grade by the respective utility.
10. The Contractor shall cause notice to be given to the Ohio Utilities Protection Service (800-362-2764, toll free) and to the owners of underground utility facilities who are not members of a registered underground protection service in accordance with section 153.64 of the Ohio Revised Code. The above mentioned notice shall be given at least 48 hours prior to the start of construction.
11. If there are markers or other apparent physical evidence in or near the project area that may indicate the existence of underground petroleum or natural gas pipelines, the Contractor shall additionally contact the Oil & Gas Producers Underground Protection Service (OGPUPS) at 800-925-0988, toll free. Said notification shall be given a minimum of 48 hours prior to the commencement of construction.
12. The following utilities are located within the work limits of this project and do not subscribe to a registered underground utility protection service:

Utility	Owner	Telephone
Water Facilities, Sanitary Sewer & Storm Sewer	City of Groveport 655 Blacklick Street Groveport, Ohio 43125	(614) 836-5301

MAIL SERVICE

13. The Contractor shall be responsible for maintaining mail service in the construction area. Prior to disturbing any mail boxes, the Contractor shall contact the Postal Authorities and shall temporarily relocate mail boxes in accordance with Postal requirements. The Contractor shall restore mail boxes to their original condition and location. Cost to be included in the price bid for the various items.

PRE-CONSTRUCTION MEETING

14. A Pre-construction conference involving a representative of the City of Groveport, the Owner, the Design Engineer and the Contractor and all applicable Sub-Contractors shall be held prior to the start of construction. The Contractor shall notify the City Engineer in writing at least seventy-two (72) hours prior to the start of construction. The Contractor or Developer shall supply four (4) copies of the approved construction plans to the City Engineer one (1) week prior to the pre-construction conference.

SAFETY REQUIREMENTS

15. The Contractor and Sub-Contractor shall be solely responsible for all federal, state and local safety requirements, together with exercising precautions at all times for the protection of persons (including employees) and property. It is also the sole responsibility of the Contractor and Sub-Contractor to initiate, maintain and supervise all safety requirements and programs in connection with the work

SITE VISIT

16. The Contractor shall perform field reconnaissance to become acquainted with the site conditions and the potential for affects upon the work space. Any performance of site sub-surface investigations shall be coordinated in advance with the Owner.

RIGHTS-OF-WAY

17. In addition to direct requirements of the contract documents, the Contractor shall observe and conform to the specific requirements of all rights-of-way including easements, court entries, rights-of-entry or action filed in court in accordance with the code of the applicable governing agency.

PERMITS

18. The Contractor and/or Developer shall be responsible for obtaining and paying for all necessary permits, governmental fees and/or licenses necessary for the execution and completion of the improvements depicted by this plan, unless otherwise noted. Excavation permits for work within the public right-of-way limits shall be obtained from the City of Groveport. The Contractor shall have an approved set of construction drawings and all required permits in his possession before the commencement of construction.
19. The Contractor or Developer shall secure a written permit from the Franklin County Engineer's Office, 970 Dublin Road, a minimum of two working days prior to beginning work within Franklin County right-of-way. The Contractor may be required to post a bond with the Franklin County Engineer prior to issuance of the permit to insure proper restoration of the pavement and right-of-way. Contractor shall provide the Franklin County Engineer's Office with a 24-hour telephone number to be used in case of emergency.

INSPECTION

20. The Owner shall make arrangements with the City of Groveport for the inspection of the proposed improvements prior to the start of construction.

FEES

21. The Contractor and/or the Developer shall provide the applicable fees for the following prior to the commencement of construction:
 - a. Standby inspection fees for the applicable plan improvements.
 - b. System capacity and tap fees associated with the installation of the sanitary sewer and/or water services.

SHOP DRAWINGS

22. The Contractor shall submit to the City Engineer shop drawings for all materials, structures, gradation certificates and equipment prior to any of said materials being ordered for the project. The City of Groveport and the City Engineer bear no obligation or responsibility to

accept any of the aforementioned items without a completed review of said shop drawings.

CLEARING & GRUBBING

23. All site clearing shall be performed by the Contractor prior to construction of the site improvements. Clearing shall comply with the City of Groveport regulations, especially Section 1399 of the City of Groveport codified ordinances.
24. The Contractor shall field review the extent of the site clearing with the Owner and/or Engineer. No clearing shall be performed until a formal authorization has been obtained from the Owner.
25. All trees, brush and stumps within the scope of the construction limits of this project shall be removed as a part of the plan improvements. This work shall include the offsite removal and disposal of all stumps and clearing debris. Burning or burying of the stumps/clearing debris is NOT PERMITTED

CONSTRUCTION LAYOUT

26. Construction cut sheets shall be prepared for all street improvements and sewer and waterline work associated with Capital Improvement Projects, with two copies of all cut sheets being provided to the City Engineer and one copy to the Project Engineer. No work for which a cut sheet is required will be permitted to begin until appropriate cut sheet copies have been distributed.
27. The Contractor shall carefully preserve bench marks, property corners, reference points, stakes and other survey reference monuments or markers. In case of the accidental, willful or careless destruction of the aforementioned survey reference markers, the Contractor shall be responsible for restorations. Resetting of markers shall be performed by an Ohio Professional Surveyor as approved by the City Engineer and at the sole expense of the Contractor.

DUST CONTROL

28. The Contractor shall be responsible for providing dust control measures in accordance with CMSC Item 616. Dust control operations shall be performed on a periodic basis and/or as directed by the City Engineer to alleviate or prevent the dust nuisance originating from within the project limits. Use of calcium chloride on areas to be seeded or mulched will not be permitted. The cost for all dust control measures shall be included in the price bid for the various project improvements.

DEWATERING

29. The Contractor is solely responsible to the Ohio Department of Natural Resources (O.D.N.R.) for registry, maintenance, and abandonment of any withdrawal devices used in the construction of this project.

30. Installation of any well, well point, pit or other device used for the purpose of lowering the groundwater level to facilitate construction of this project shall be properly abandoned in the provisions of Section 3745-9-10 of the Ohio Administrative Code or as directed by the Director of the ODNR or his representatives.
31. The Contractor shall be required to complete and file a Well Log and a Drilling Report Form with O.D.N.R., Division of Water, within 30 days of the completion of installation of any well, well point, pit or other device used for the purpose of removing groundwater from an aquifer, in accordance with Sections 1521.01 and 1521.05 of the Ohio Revised Code. In addition, any such facility that has a capacity to withdraw waters of the State in an amount greater than 100,000 gallons per day from all sources shall be registered by the Contractor with the Chief of the O.D.N.R., Division of Water, within three months of the completion of the facility in accordance with Section 1521.16 of the Ohio Revised Code. Copies of the necessary paperwork can be obtained at O.D.N.R., Division of Water, Fountain Square, Columbus, OH, 43224-1387 – (614) 265-6717.
32. The Contractor shall furnish and operate suitable pumping equipment of such capacity, adequate to dewater the trench, should water be encountered. The trench shall be sufficiently dewatered so that the placement of bedding and the laying and joining of pipe is made on firm, dry ground. If dewatering cannot produce acceptable subgrade, and only as directed by the Engineer, unsuitable materials shall be removed and replaced per CMSC Item 906, stone foundation.
33. The Contractor shall convey all trench water to a natural drainage channel or storm sewer without damage to property. The Contractor shall be responsible to place and maintain the necessary sediment control measures to filter the dewatering discharge prior to release to the drainage channel or storm sewer. Cost for the above shall be included in the bid price for the various improvement items.
34. If during the construction of the sewer the water wells belonging to nearby residences are dewatered, the Contractor shall provide potable water to the residents. If the well is unable to be re-commissioned after construction is completed, a tap to a water line shall be provided, if available, or another well drilled at no extra cost to the residents or The City of Groveport.

ROCK EXCAVATION

35. Should rock excavation be necessary for this project, the work shall be executed in accordance with the specifications of CMSC Item 903.01.
36. The Contractor shall maintain a minimum of eighteen (18) inches vertical and ten (10) feet horizontal separations between any existing or proposed water main and any proposed or existing sanitary sewer or storm sewer.

UTILITY TRENCH SPECIFICATIONS

37. Trenches within a 1:1 influence of the roadway and/or pavement, including all points to within 3' behind the curb, are to be backfilled with Item 912 Compacted Granular Backfill (CMSC 801.11 for waterlines only.) Trenches within the right-

of-way but outside the road influence shall be filled and compacted as per CMSC Item 911 (801.12 for waterlines only.) All other trenches can be filled and compacted as per CMSC Item 911 (801.12 for waterlines only) except that the compaction shall be to at least 90% of its maximum laboratory dry weight.

38. Aggregate for bedding shall be No. 57 or No. 8, as per Item 703.
39. The excavated trench width twelve inches (12") above the conduit may be increased without extra compensation.
40. At all utility crossings, backfill between the deeper pipe and the bottom of the shallower pipe shall consist of compacted granular material in accordance with CMSC Item 912 . Backfill shall be ten (10) feet in length and centered on the shallower pipe. The cost of this work shall be included in the price bid for the various project items.
41. All trenches shall be maintained as safe as possible by the Contractor at all times and backfilled as soon as practical. All trenches during non-working hours require traffic plates, and/or lighted barricades and construction fence.

COMPACTION AT UTILITY STREET CROSSINGS

42. Prior to construction of the public roadway, soil tests shall be made on all sanitary sewer and designated storm sewer trenches which cross the proposed pavements or which lie such that the proposed pavements are located within any part of the influence line of said trench. Where said results indicate that the trench backfill does not meet the compaction requirements of CMSC Item 912.03, all backfill material shall be removed, replaced, and re-tested until compaction meets said requirements of Item 912.03.

MAINTAIN DRAINAGE

43. The flow in all sewers, drains, field tiles and watercourses encountered shall be maintained by the Contractor at his expense. Whenever such watercourses and drains are disturbed or destroyed during the prosecution of the work, they shall be restored by the Contractor at his own cost and expense to a condition satisfactory to the Owner and the City.

COORDINATION WITH COTA

44. Two weeks prior to construction, the Contractor shall contact the Service program Manager of the Central Ohio Transit Authority (COTA) at phone (614) 308-4373 to coordinate proper bus movements through or around the job site during the project. This will include, but is not limited to the temporary relocation or removal of COTA signs and/or bus stop locations.

REPLACEMENT OF TILE AND STORM SEWER

45. All drain tile and storm sewers damaged, disturbed or removed as a result of the Contractor's operations shall be replaced with the same quality pipe or better, maintaining the same

gradient as existing. Replaced drain tile/storm sewer shall be laid on compacted bedding equal in density to the surrounding stratum. If possible, the drain tile and/or storm sewer shall be connected to a storm sewer structure, curb underdrain or outlet into the roadway ditch as applicable. Cost of this work to be included in the price bid for the various improvement items.

STORAGE OF EQUIPMENT AND MATERIALS

46. No equipment or materials shall be stored within the right-of-way or within fifty (50) feet of an intersecting street or driveway. Compliance with these requirements along with additional provisions of the contract specifications shall not in any way relieve the Contractor of his legal responsibilities for the safety of the public. The Contractor shall indicate his intent with regard to storage of material at the preconstruction meeting.

TEMPORARY EROSION AND SEDIMENT CONTROL

47. Erosion and Sediment Control measures are required as a part of this project. Erosion and Sediment Control measures relating to this project development are included on Sheet No. _____. The Erosion and Sedimentation Control reflects a schematic diagram of the intended measures for compliance with the required standards. General practice and/or site field conditions may warrant variation in the placement or use of the specified controls.
48. The Owner shall be solely responsible for providing necessary and adequate measures for proper control of erosion and sediment runoff from the site along with proper maintenance and inspection in compliance with the NPDES General Permit for Storm Water Discharges associated with Construction Activity.
49. Land-disturbing activities must comply with all provisions of the City of Groveport EROSION AND SEDIMENT POLLUTION CONTROL REGULATION, Code Section 1399. All land-disturbing activities shall be subject to inspection and site investigation by the City of Groveport and/or the Ohio EPA. Failure to comply with these regulations is subject to legal enforcement action. Details of this requirement may be found in the EROSION AND SEDIMENT POLLUTION CONTROL REGULATION. Failure to comply may result in enforcement action as detailed in the City of Groveport Code Chapter 1399.08.
50. It is the responsibility of the site owner to notify the City of Groveport 48-hours prior to commencement of initial site land disturbance on any site of one or more acres. This includes site clearing, grubbing and any earth moving. Moreover, regardless of acreage of disturbed area, primary erosion and sediment control practices shall be in place from the beginning of the construction activity.
51. The site utility Contractor shall be responsible for supplementing and/or replacing the site erosion and sedimentation control as required to accommodate the installation of each respective utility. Temporary removal of the erosion and sediment control features shall be coordinated with the Owner.

DISPOSAL OF EXCESS EXCAVATION

52. The Contractor shall dispose of all excess excavation at an offsite location unless an onsite location is specifically denoted on the plan. For disposal outside the limits of the project the _____ Contractor shall provide a copy of the signed, written agreement between the Contractor and

the offsite Landowner before such disposal occurs.

RESTORATION AND CLEAN UP

53. Inconvenience to the adjacent property owners and to the traveling public shall be kept to an absolute minimum. All work is to continue on a uniform basis and on schedule, particularly the restoration and clean up of disturbed areas after construction.
54. The Contractor shall include provisions to clean up the existing road(s) as required with the cost to be included in the price bid for the various items.
55. All fences, signs, drainage structures, landscaping, guardrail, mailboxes, or other physical features removed, disturbed or damaged during work within public areas and/or under the contract improvements, whether shown on the plans or not, shall be restored to their original location and condition (or better) by the Contractor unless otherwise specified and to the satisfaction of the property owner and the City. Payment for the same shall be included in the price bid for the various improvement items.

NON-RUBBER TIRED VEHICLES

56. No non-rubber tired vehicles shall be moved on City streets, existing private roadways or parking lots. Exceptions may be granted by the City of Groveport where short distances and special circumstances are involved. Granting of exceptions must be in writing, and any damage must be repaired by the Contractor, at his expense, to the satisfaction of the City Engineer and City Administrator.

CONVENIENCE FACILITIES

57. The Contractor shall furnish and maintain sanitary convenience facilities for the workmen and inspectors for the duration of the work. The cost shall be included in the price bid for the various sanitary sewer improvement items.
58. The Contractor shall furnish all labor, materials, tools, equipment, services, and related accessories for a complete project, as shown and described in the plans and specifications. The price for items of work or materials shown on the plans or provided for in the specifications or special provisions, for which no specific method of payment is provided, shall be performed by the Contractor and the costs included among the various bid items. No additional compensation will be paid to the Contractor for compliance with the plans, specifications, or special provisions.
59. The Developer is responsible for providing "Record Plan" construction drawings to the City of Groveport after the project has been completed. The plans must include top of casting and invert elevations for all sanitary and storm structures and identify any and all field modifications to and deviations from the approved plan set. A redline set of plans reflecting the "Record Plan" information shall be submitted to the City Engineer for review and approval, to identify any potential maintenance concerns, prior to affixing the field information to the plans. Upon completion of the "Record Plan" drawings, one (1) electronic copy, two (2) paper copies and one (1) mylar copy shall be submitted to the City Engineer.