

CLEAN WATER STATEMENT

ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.

COMMENCING AFTER THE FINAL INVOICE IS SUBMITTED THE SITE SHALL BE VIDEOED AGAIN BY THE CONTRACTOR. ANY DISCREPANCIES WILL BE RESOLVED PRIOR TO FINAL PAYMENT. AS BUILT DRAWINGS SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE SUMMIT COUNTY ENGINEER IN A CLEAR AND LEGENDABLE MANNER PRIOR TO FINAL INVOICE.

COST OF THIS WORK SHALL BE INCLUDED IN ITEM 623 CONSTRUCTION STAKING

RELATION TO WATER MAINS

SEWERS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE.

SEWERS CROSSING WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER.

SANITARY SEWER GENERAL NOTES

1. ALL SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS (OEPA 3MA00001*AM) OF THE DEPARTMENT OF SANITARY SEWER SERVICES (D.S.S.S.).
2. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED. ORDINANCE NO. 85-656, APPROVED 10/8/85.
3. APPROVAL BY D.S.S.S. CONSTITUTES NEITHER EXPRESSED NOR IMPLIED WARRANTIES AS TO THE FITNESS, ACCURACY, OR SUFFICIENCY OF PLANS, DESIGNS, OR SPECIFICATIONS.
4. THE DESIGN ENGINEER CERTIFIES THAT ALL KNOWN UTILITIES IN EXISTING AND PROPOSED ROADS AND EASEMENTS ARE SHOWN.
5. ALL SANITARY SEWERS SHALL PASS THE AIR ACCEPTANCE TEST PRIOR TO ACCEPTANCE BY D.S.S.S.
6. ALL SANITARY SEWERS SHALL BE VIDEO TAPED BY THE OWNER AND FOUND TO BE FREE OF DEFECTS AND FOREIGN MATTER AND IN PROPER ALIGNMENT PRIOR TO FORMAL ACCEPTANCE BY D.S.S.S.
7. ALL MANHOLES SHALL BE SUPPLIED WITH SOLID COVERS.
8. ALL SANITARY LATERALS SHALL BE EXTENDED TO NOT LESS THAN 15 FEET INTO THE PROPERTY.
9. ALL SANITARY LATERALS SHALL BE LAID AT NO LESS THAN 1% GRADE.
10. SANITARY SEWER MATERIALS SHALL CONFORM TO D.S.S.S. AND O.E.P.A. STANDARDS
11. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE TO THE EXISTING SEWERAGE SYSTEM RESULTING FROM NON-CONFORMANCE WITH SUMMIT COUNTY STANDARDS OR GENERAL NEGLIGENCE.
12. A 12" MAXIMUM MANHOLE GRADE ADJUSTMENT IS PERMITTED. ADJUSTMENT IS TO BE MADE WITH PRECAST GRADE RINGS OR INFRA-RISER RUBBER RISER RINGS. A MAXIMUM OF ONE (1) GRADE RING IS REQUIRED AT EACH MANHOLE.
13. EXTERNAL CHIMNEY SEALS SHALL BE INSTALLED ON ALL NEW MANHOLES.
14. MANHOLE COVER INSERTS SHALL BE PROVIDED FOR ALL NEW MANHOLES.
15. WHERE INLET AND OUTLET PIPES CONNECT TO MANHOLES, A FLEXIBLE WATERTIGHT JOINT, AS APPROVED BY D.S.S.S., IS REQUIRED.
16. SANITARY SEWER MATERIAL SHALL CONSIST OF PVC SDR-35 MEETING ASTM D3034 WITH JOINTS CONFORMING TO ASTM D3212. *(CHECK STANDARDS FOR APPROVED MATERIAL AND ASTM SECTIONS)*
17. THE OWNER (CONTRACTOR) MUST ALERT THE OHIO UTILITIES PROTECTION SERVICE AT 811 AT LEAST 48 HOURS BEFORE ANY EXCAVATION HAS BEGUN.
18. ALL ROUGH GRADING (WITHIN 6" OF FINISHED GRADE) SHALL BE COMPLETED WITHIN THE RIGHT-OF-WAY PRIOR TO SANITARY SEWER CONSTRUCTION.
19. NO SEWER CONSTRUCTION WILL BE PERMITTED UNTIL SUCH TIME THAT THE PLANS ARE APPROVED BY D.S.S.S. AND THE O.E.P.A. INCLUDING PAYMENT OF REVIEW AND "PERMIT TO INSTALL" FEES REQUIRED BY THE O.E.P.A.
20. ALL SANITARY SEWERS CONTAINED HEREIN ARE TO BE (PUBLICLY) OWNED AND MAINTAINED. (AS APPLICABLE)

SCE GENERAL NOTES

1. All construction and materials included on this project shall be in accordance with the latest edition of the State of Ohio Department of Transportation Construction and Material Specifications and the Specifications and Details of the SCE. Where conflicts occur in the above, the SCE shall determine the governing authority.
2. Any defects in the construction, including materials or workmanship, shall be replaced or corrected by removal and replacement or other approved method prior to acceptance by the SCE.
3. The SCE shall not be held liable for damages of any type which may occur as a result of error and/or omissions in the engineering design data presented by the developer's engineer. The SCE shall not be liable for any damages resulting from the developer's contractor not complying with the approved plans or by using construction methods or materials not approved by the SCE.
4. The developer's engineer certifies that all design data and calculations pertaining to these improvement plans, where applicable, are correct and do conform to the current design criteria.
5. The SCE in approving these plans and dedication plat thereof, does not, in any way, relieve the developer's engineer of his responsibility for accurate and complete engineering design relative to the plans.
6. All road surfaces, easements or Rights-of-Way disturbed by construction of any part of this improvement are to be restored completely to the before construction condition or better when directed by the SCE and/or the Summit County D.O.E.S. The contractor shall maintain positive drainage at all times and shall backfill and grade excavated areas to eliminate ponding on the site.
7. The locations of all buried utility are to be determined by the contractor. Existing utility appurtenances are to be safeguarded by the contractor during construction. The contractor shall contact the utilities protection service, 1-800-362-2764, at least forty-eight (48) hours before any underground work is commenced.
8. A Pre-Construction Meeting shall be scheduled with the SCE prior to the start of any construction operations. The Contractor shall not commence with

any form of construction without notifying the SCE forty-eight (48) hours prior to starting construction (330-643-2850). If any change in the work schedule becomes necessary, it will be the responsibility of the contractor to notify the inspector to avoid unnecessary inspection costs. If no notification is made in regard to the cancellation of work, the developer will be charged for the inspection time incurred. The developer will be billed quarterly for inspection services.

9. The contractor or developer shall maintain local traffic at all times and obtain all necessary permits. A road opening permit is required on all subdivisions before access is granted for construction purposes within a public right-of-way. The SCE will not inspect or accept any work that is done without a road opening permit being available on the construction site. In addition, local traffic must be maintained at all times.

10. Any disturbed signs, guardrail, mail/paper boxes, drives, drive culverts, storm sewer pipes, structures, pavements, berms and ditches shall be repaired and/or replaced as directed by the SCE. Any disturbed lawn areas shall be replaced by seeding and mulching, including topsoil where needed, in accordance with ODOT Item 653 & 659, as directed by the SCE.

11. The Contractor shall be responsible for temporary soil erosion and sediment control in accordance with ODOT Supplemental Specification 832, Summit Soil and Water Conservation District and the SCE. Erosion control measures must be in place before any other construction commences on this site. The contractor shall, on a daily basis, clean all existing streets of mud and dirt during the construction phase. The Stormwater Pollution Prevention Plan must be implemented prior to the start of construction.

12. All storm sewer installation within the right-of-way limits and easements shall conform to ODOT Item 611.

13. Where sewer and/or water main intersections have less than eighteen (18) inch vertical separation, encase the lower pipe and monolithically cradle the upper pipe in Class C Concrete for the width of the trench.

14. Storm sewer laterals shall be PVC (SDR 35). All pipes shall have preformed wyes of 6" diameter for house lateral connections. All wyes and laterals for downspout drains shall be installed when the storm sewer is installed.

15. Each Sublot must route all stormwater drainage from a conduit to the storm sewer lateral that is provided. No open discharges from a house conduit are permitted.

16. All sewer/utility trench construction, conduit bedding, pipe cover, backfill and compaction shall conform to the Utility Trench Detail Standard Drawing on Sheet # 5/29.

17. All inspection and testing shall be done by an experienced and qualified firm engaged in this type of work. All storm sewers/culverts must be flushed and have a color television inspection accompanied with a written report submitted to the SCE for review and approval. The videotape must be submitted, reviewed and approved prior to release of the Performance Bond. If the storm sewer/culvert videotape and written report is not approved, the contractor shall repair or replace the defects and resubmit the information. The intent is to videotape pipes not easily accessible for visual inspection. For example: A culvert under a road that can be visually checked is exempt from videotaping. A system of pipes with manholes and catch basins will be required to be videotaped. The SCE will determine if a pipe can be visually checked or if a videotape is required.

18. Underdrains shall be constructed in accordance with ODOT Item 605; conduit shall be a minimum of four (4) inch diameter pipe and conforming to ODOT Specification 707.33, 707.41, 707.42 or 707.45 with No. 8 aggregate on four (4) inches of bedding. The Underdrain shall be modified with four (4) rows of perforations. See Underdrain Standard Drawing on Sheet # 5/29.

19. All proposed storm sewer structures (manholes, headwalls and catch/inlet basins) shall adhere to ODOT Items 602 and 611 and the current edition of the ODOT Standard Construction Drawings.

20. Wherever unstable soil conditions are encountered that are not indicated on the plans, the work shall be discontinued until the SCE approves the method and material to be incorporated into the work, as all conduits shall be installed on a firm bed for its full length in accordance with ODOT Item 611 unless otherwise specified.

21. All filled areas, excluding trenches, within right-of-way areas shall be compacted in accordance with ODOT Item 203. In addition, for any fill in excess of two (2) feet, nuclear compaction tests shall be performed by an approved testing company in accordance with ODOT Item 203. These tests shall be approved by the SCE before any pavement construction commences and shall meet the compaction requirements of the Trench Detail Standard Drawing on Sheet # 5/29. Embankment construction at detention/retention facilities shall be compacted in accordance with ODOT Item 203 and to a minimum of 98% of the material's standard proctor maximum dry density and must be within 2% of the material's optimum moisture content prior to compaction.

22. Before acceptance of the sub-grade by the SCE, a forty (40) ton proof roll shall be required on all areas to be paved. The subgrade and proof roll must be in accordance with ODOT Item 204. In lieu of using the equipment under ODOT Item 204, a tandem dump truck with a gross weight of 60,000 pounds may be substituted.

23. For ODOT Items 301, 441 452 and 609, the contractor must submit an ODOT approved JMF to the SCE for review and approval at the pre-construction meeting. All materials used must be obtained from a source approved by ODOT. For Item 441 Surface Course, the coarse aggregate in the mix shall be crushed limestone. The surface course shall be constructed no later than one (1) year after Item 301 is placed.

24. Curb and gutter shall be constructed in accordance with ODOT Item 609, cast in place concrete curb and gutter. No asphalt and/or concrete pavement and curb and gutter shall be laid on a frozen surface.

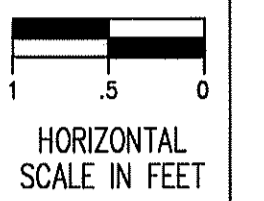
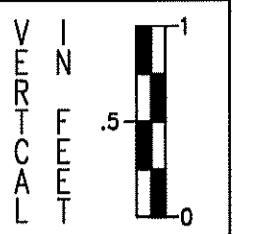
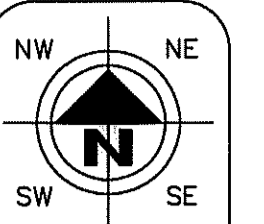
25. All monument boxes, furnished and installed, shall be in conformance with the current edition of the ODOT Standard Roadway Construction Drawings.

26. It will be the responsibility of the developer or contractor to notify the inspector when work on site is being performed or cancelled. If there is not any notification in regard to cancellation of work, the developer will be charged for the inspection time incurred.

27. The final sublot grades shall be within one foot (+/-) of the grades and elevations listed on the approved Final Grading Plan Sheet.

28. Immediately following the completion of grading operations for a proposed detention/retention basin, final restoration of the basin must be completed to establish proper vegetation and limit soil erosion. A minimum thickness of 3" of topsoil must be applied to the limits of the grading for the basin and then seeded and mulched. The material utilized in restoration of the basin shall adhere to ODOT Items 652, 653 and 659.

29. Detention/Retention basins soils shall be ripped or loosened to a minimum depth of 6" using a chisel plow, offset disk or an equal mechanism. Incorporate compost or topsoil, and shall be seeded and mulched to prevent erosion. Grass, or other approved ground cover within the basin should be able to survive 48 hours under water. Jute and Excelsior matting shall be used as required to stabilize slopes and prevent erosion. For full soil profile restoration, refer to OEPA's Rainwater Land Development Manual, Provisional Practice Standard – Soil Management https://epa.ohio.gov/Portals/35/storm/technical_assistance/ProPractices.pdf.



HORIZONTAL SCALE IN FEET

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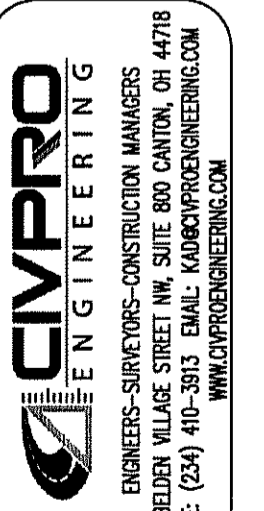
DATE: Feb, 2021

DRAWN BY: BMH

DATE: Feb, 2021

REVISIONS:	DESCRIPTION
DATE	

Meadows of Wintergreen Phase 3
General Notes
Springfield Township
Summit County, Ohio



DRAWING NAME: SH18-WGNotes.DWG

REF NUMBER: