

MINIMUM STANDARDS FOR EROSION AND SEDIMENT CONTROL

- MS-1: Permanent or Temporary soil stabilization shall be applied to denuded areas within seven (7) days after final grade is reached on any portion of the site.
MS-2: All soil stockpiles and borrow areas must be stabilized or protected with sediment trapping measures.
MS-3: A permanent vegetative cover shall be established on denuded areas not otherwise permanently stabilized.
MS-4: Sediment basins and traps, perimeter dikes, sediment barriers and other measures intended to trap sediment shall be constructed as a first step in any land-disturbing activity and shall be made functional before upslope land disturbance takes place.
MS-5: Stabilization measures shall be applied to earthen structures such as dams, dikes and diversions immediately after installation.
MS-6: Sediment basin and trap design information. **
MS-7: Cut and fill slopes shall be designed and constructed in a manner that will minimize erosion.
MS-8: Concentrated runoff shall not flow down cut or fill slopes unless contained within an adequate temporary or permanent channel, flume or slope drain structure.
MS-9: Whenever water seeps from a slope face, adequate drainage or other protection shall be provided.
MS-10: Inlet protection is required for all storm inlets that will be made operable during construction.
MS-11: Before newly constructed stormwater conveyance channels or pipes are made operational, adequate outlet protection and any required temporary or permanent channel lining shall be installed in both the conveyance channel and receiving channel.
MS-12: When work in a live watercourse is performed, precautions shall be taken to minimize encroachment, control sediment transport and stabilize the work area to the greatest extent possible during construction.
MS-13: When a live watercourse must be crossed by construction vehicles more than twice in any six-month period, a temporary vehicular stream crossing constructed of nonerodible material shall be provided.
MS-14: All applicable federal, state and local regulations pertaining to working in or crossing live watercourses shall be met.
MS-15: The bed and banks of a watercourse shall be stabilized immediately after work in the watercourse is completed.
MS-16: Underground utility lines shall be installed in accordance with the following standards in addition to other applicable criteria:
MS-17: Where construction vehicle access routes intersect paved or public roads, provisions shall be made to minimize the transport of sediment by vehicular tracking onto the paved surface.
MS-18: All temporary erosion and sediment control measures shall be removed within 30 days after final site stabilization or after the temporary measures are no longer needed, unless otherwise authorized by the local program authority.
MS-19: Adequate outfall information. **

**MS-6 and MS-19 deal with design aspects of the plan. For further information, please consult the latest edition of the Virginia Erosion and Sediment Control Handbook.

GENERAL EROSION AND SEDIMENT CONTROL NOTES

- 1. Dinwiddie County's Environmental Inspector must be contacted at least 48 hours prior to any land disturbing activity to schedule a Pre-Construction meeting.
2. The preliminary limits of disturbance must be marked/flagged in the field prior to the start of any land disturbance activity.
3. All ESC measures must be placed prior to, or as the first step in grading and all earthen structures stabilized immediately after they are constructed.
4. ESC devices must be installed and maintained in accordance with the latest version of the Virginia Erosion and Sediment Control Handbook and the Virginia Erosion and Sediment Control Regulations.
5. All activities on the site must comply with Chapter 9 of the Dinwiddie County code and the current Virginia Erosion and Sediment Control Handbook.
6. The Dinwiddie County Environmental Inspector has the authority to require changes to an approved plan if the inspection has revealed that the plan is inadequate to satisfy the applicable regulations (VA State Code 62.1-44.15:55).
7. Unless otherwise approved by the Dinwiddie County Environmental Inspector, all runoff must drain to a sediment basin or trap during all phases of construction.
8. A construction entrance must be constructed and properly maintained in accordance with Std. & Spec. 3.05 - Construction Entrance, in the latest version of the Virginia Erosion and Sediment Control Handbook.
9. Dewatering of footings, excavated trenches, sediment basins/traps, etc. must be done in accordance with Std. & Spec. 3.26 - Dewatering Structure, in the latest version of the Virginia Erosion and Sediment Control Handbook.
10. Contractor will be responsible for any mud tracked onto roadways at the end of each workday.
11. If dust becomes a problem during construction, a water tank will be required onsite at all times, and dust must be controlled in accordance with Std. & Spec. 3.39 - Dust Control, in the latest version of the Virginia Erosion and Sediment Control Handbook.
12. Any soil or fill material intentionally transported from the project site must be taken to an approved location, such as an active landfill or other site that is operating under an approved Erosion and Sediment Control Plan.
13. In subdivision developments, temporary sediment basins/traps must remain in place until all disturbed areas are stabilized.
14. In the event a contractor dumps, discharges or spills any oil or chemical that reaches or has the potential to reach a waterway, the contractor shall immediately notify all appropriate jurisdictional agencies (State, Federal, and Dinwiddie County Environmental Department) and shall take immediate actions for containment and removal of the oil or chemical.

UTILITY NOTES

- 1. All excavated material is to be placed on the uphill side of trench.
2. All storm and sanitary sewer lines not in streets are to be mulched and seeded within 7 days after backfill.
3. Construction access roads shall be located on the uphill side of the trench or over the trench whenever possible.
4. All construction discharge water shall be adequately filtered to remove silt prior to discharge into waterways and wetlands.
5. Material used for backfilling trenches shall be properly compacted in order to minimize erosion and promote stabilization.

STREAM CROSSINGS / DIVERSIONS

- 1. No motorized equipment will at any time be within a waterway unless supported by floatation equipment or a temporary construction pad composed of clean non-erodible material (rocks, rip-rap, mats).
2. All stream crossings and stream diversions require approval from the local, state and federal agencies prior to any in-stream work.

MOSQUITO CONTROL

- 1. All construction sites and sediment control measures must be inspected and maintained to eliminate or minimize areas that promote mosquito breeding.
2. When mosquito breeding is found, removal or treatment of the area is required immediately. Inspection and treatment questions may be directed to the Dinwiddie County Environmental Administrator.

STREAM PROTECTION AREAS, WETLANDS, AND WATERS OF THE U.S.

- 1. Prior to beginning any land disturbing activity, all Stream Protection Areas (SPAs), wetlands, and Waters of the U.S. (WOUS) not permitted for impact shall be delineated for protection with flagging and optic orange safety fence Spec 3.01.
2. Additional restoration or replanting may be required for SPAs, wetlands, and WOUS disturbed during construction.

CERTIFIED RESPONSIBLE LAND DISTURBER (CRLD) POLICY

As a prerequisite to engaging in the land-disturbing activities shown on this plan, the individual responsible for carrying out the plan and holding a certificate of competence shall be identified (the CRLD).

The CRLD will:

- 1. Attend the Pre-Construction meeting and sign the approved plans;
2. Inspect the ESC measures at least once every two weeks, or within 48 hours of any runoff producing storm event;
3. For projects with disturbance of 1 acre or greater, inspection reports must be provided in SWPPP listing all deficiencies or stating no deficiencies were found;
4. Coordinate the implementation and maintenance of all erosion and sediment control measures in accordance with the approved plan.

BMP INSPECTIONS / CERTIFICATIONS

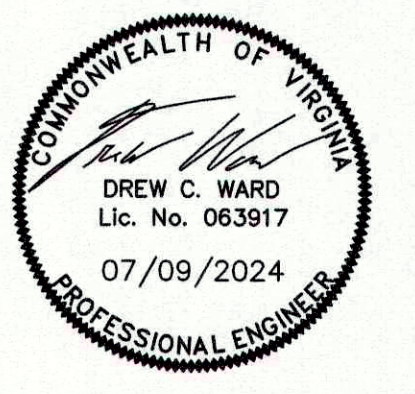
- 1. Inspections of proposed BMP/SWM Facility(ies) must be conducted at two phases of construction - "rough grading" and "final conformance".
2. The Developer or his/her representative is responsible for notifying the Dinwiddie County Environmental Inspector at the appropriate times during construction when the inspections should occur.
3. Three inches of topsoil is required for areas of the BMP/SWM Facility(ies) that will be stabilized with vegetation.
4. Prior to issuance of the Certificate of Occupancy the Developer's Engineer/Surveyor will provide a signed and sealed BMP/SWM Facility(ies) Certification using the County's form.

SEEDING / SODDING NOTES

- 1. All stabilization/seedling will be accomplished in accordance with the latest Virginia Erosion and Sedimentation Control Handbook.
2. Any disturbed area not paved, sodded, or built upon, will have a vegetative cover prior to final inspection, and in the opinion of the Dinwiddie County Environmental Inspector will be mature enough to control soil erosion satisfactorily and survive severe weather conditions.
3. Stream diversion areas, waterways, banks and related areas will be seeded and mulched immediately after work in watercourse is completed.
4. Winterization - any disturbed area not paved, sodded or built upon by October 15 is to be seeded and mulched on that date unless waived by the Environmental Department.
5. All wetlands temporarily disturbed during construction will be restored per the requirements of the Department of Environmental Quality (DEQ) and/or the Corps of Engineers.
6. Permanent or temporary soil stabilization shall be applied to denuded areas within seven (7) days after final grade is reached on any portion of the site.
7. Electric power, telephone, and gas supply trenches are to be compacted, seeded and mulched within seven (7) days after backfill.
8. Before sowing seed, rake surfaces to eliminate depressions and ridges.
9. Sod needs to be placed within 36 hours of harvesting.
10. The "Hydro-Seeding" method may be used, provided the seed rate per square foot is the same as specified.
11. Nutrients shall be applied in accordance with manufacturer's recommendations or an approved nutrient management plan, and shall not be applied during rainfall events.

SILT FENCE NOTES

- 1. Silt fence and fabric must be entrenched in a 4 inch deep and 4 inch wide trench on upslope side, with 8 inch of fabric in the trench.
2. Post for silt fence shall be either 2-inch diameter oak, 4-inch diameter pine or 1.33 pounds per linear foot steel.
3. In joints that overlap, a minimum of 6 inch of fabric must be wrapped around the stake.
4. Wire fence reinforcement for silt fences using standard strength filter cloth shall be a minimum of 42 inches in heights, a minimum of 14 gauge and shall have a maximum mesh spacing of 6 inches.
5. When extra strength filter fabric and closer post spacing are used, the wire mesh support may be eliminated.
6. Sediment must be removed when deposits reach approximately one-half the height of the barrier.
7. Any sediment deposits remaining in place after silt fence or filter barrier is no longer required, shall be dressed to conform with the existing grade, prepared, and seeded.
8. Silt fence should only be used for sheet flow conditions.
9. Silt fence shall be removed upon completion of the project.



Townes SITE ENGINEERING

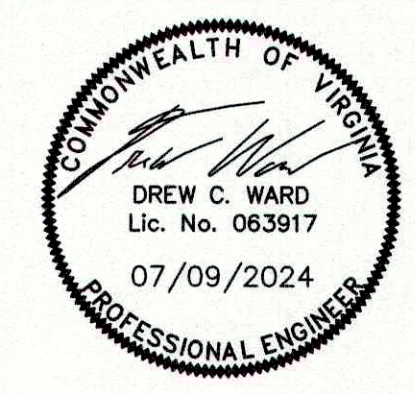
1 Park West Circle Suite 108 Midlothian, Virginia 23114 Phone: (804) 748-9011 Fax: (804) 748-2590 www.ctownes.com

DINWIDDIE RECREATION PARK BASKETBALL EXPANSION SUTHERLAND DISTRICT DINWIDDIE COUNTY, VIRGINIA ESC NOTES

Table with columns for DATE, ITEM, and COUNTY COMMENTS. Includes revision history and project details like PROJ.# 20240066 and SHEET # C-2.

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DINWIDDIE RECREATION PARK
 BASKETBALL EXPANSION
 SUTHERLAND DISTRICT
 DINWIDDIE COUNTY, VIRGINIA
 EROSION AND SEDIMENT CONTROL

REVISIONS		
DATE	ITEM	
07/09/2024	COUNTY COMMENTS	

DATE
06/25/2024

SCALE
1" = 20'

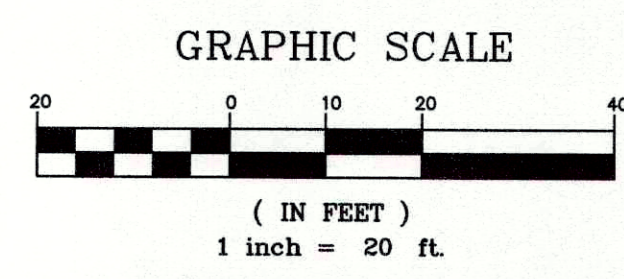
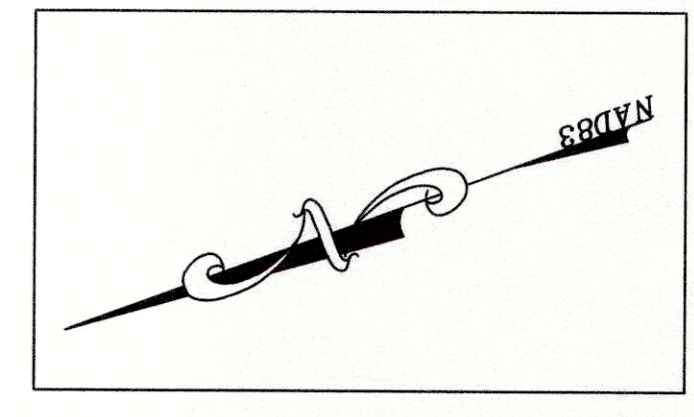
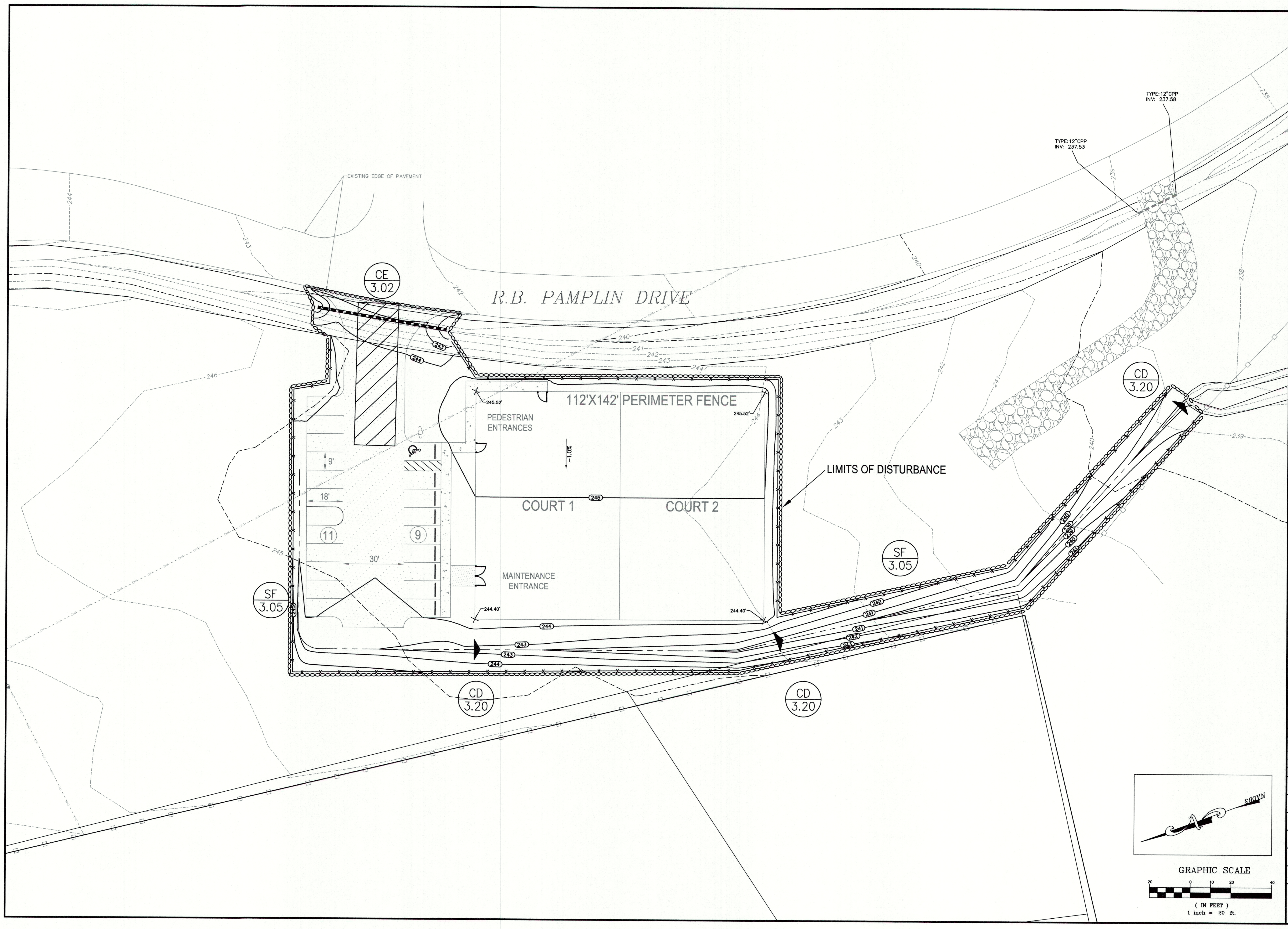
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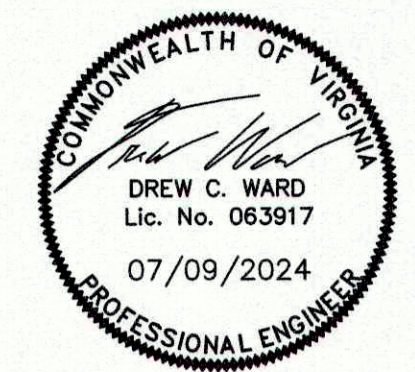
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PROJ.#
20240066

SHEET #
C-3



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DINWIDDIE RECREATION PARK
BASKETBALL EXPANSION
SUTHERLAND DISTRICT
DINWIDDIE COUNTY, VIRGINIA

SITE & GRADING PLAN

REVISIONS	
DATE	ITEM
07 / 08 / 2024	COUNTY COMMENTS

DATE
06 / 25 / 2024

SCALE
1" = 20'

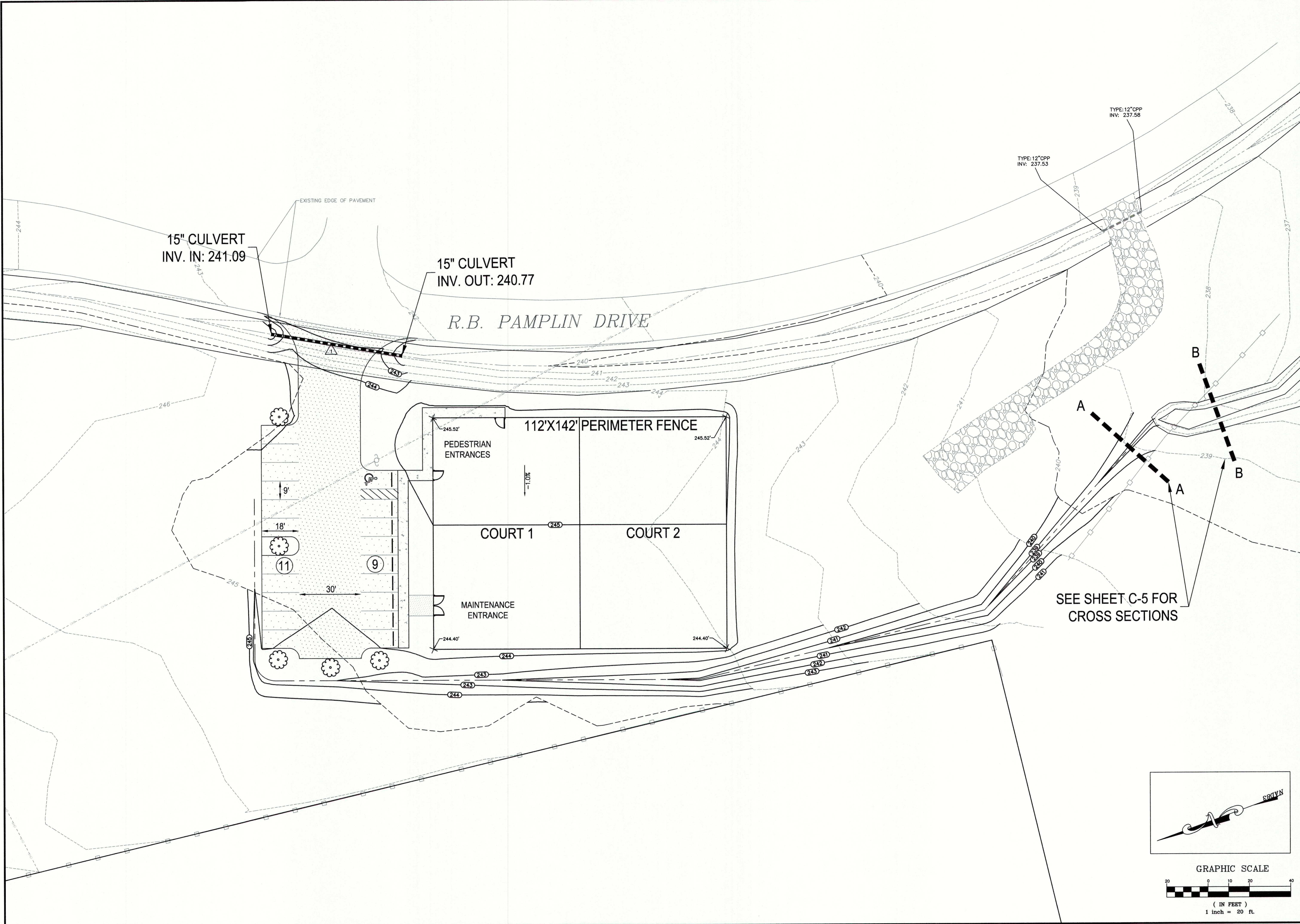
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PROJ.#
20240066

SHEET #
C-4



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