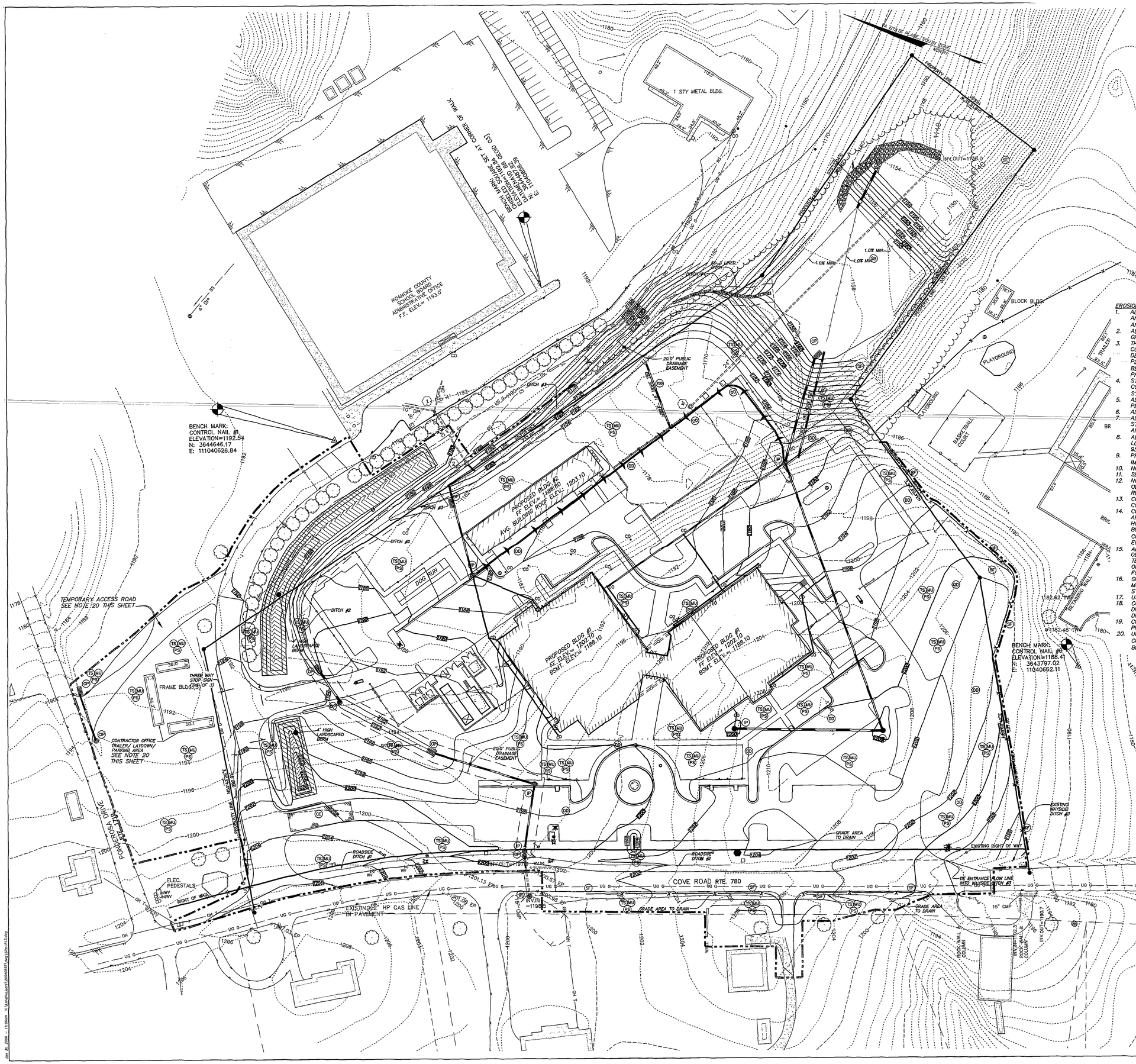


DCR
Department of Conservation & Recreation
CONSERVING VIRGINIA'S NATURAL & RECREATIONAL RESOURCES

## PLAN REVIEW MINIMUM STANDARD CHECKLIST

| | | |
|---|---|---|
| YES | MS-1 | Have temporary and permanent stabilization been address in the narrative? Are practices shown on the plan? YES Seed specifications? YES Mulching? YES Gravel? N/A |
| YES | MS-2 | Has stabilization of soil stockpiles been addressed in the narrative? NO STOCKPILE Is sediment trapping measures provided? YES- SEDIMENT BASIN |
| YES | MS-3 | Has maintenance of permanent stabilization been addressed? |
| YES | MS-4 | Are sediment trapping facilities to be constructed as a first step in LDA? |
| YES | MS-5 | Has stabilization if earthen structures been addressed? |
| YES | MS-6 | Are sediment basins required where needed? |
| YES | MS-7 | Has stabilization of cut and fill slopes been adequately addressed? |
| YES | MS-9 | (i.e. Surface Roughening, Outlet Protection) |
| YES | MS-8 | Are paved flumes, channels, or slope drains required where necessary? |
| YES | MS-10 | Is adequate inlet protection required on all operational storm sewer inlets? |
| YES | MS-11 | Has maintenance of permanent stabilization been addressed? |
| N/A | MS-12 | Are in stream construction measures required so that channel damaged is minimized? |
| N/A | MS-13 | Are temporary stream crossings of non-erodible material required where applicable? |
| N/A | MS-14 | (NOTE: This regulation requires that all applicable federal, state, and local regulations pertaining to working in or crossing live watercourses be followed.) |
| N/A | MS-15 | Has restabilization of areas subject to in-stream construction been adequately addressed? |
| YES | MS-16 | Is stabilization of utility trenches addressed? |
| YES | MS-17 | Is the transport of soil and mud onto public roadways properly controlled? (i.e. Construction Entrances, Wash Racks, daily cleaning of road ways, transport of sediment to a trapping facility) |
| YES | MS -18 | Has the removal of temporary practices been addressed? |
| YES | | Has maintenance of practices been addressed? (i.e. repair of structures and removal of accumulated sediment) |
| YES | MS-19 | Are properties and waterways downstream from development adequately protected from erosion and sediment deposition due to increases in peak stormwater runoff? |

EROSION AND SEDIMENT NOTES:

1. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE PER THE STANDARDS AND SPECIFICATIONS OF THE MOST RECENT VERSION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH).
2. ALL PROPOSED DROP INLETS AND CURB INLETS ARE TO HAVE BLOCK AND GRAVEL INLET PROTECTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL DEVICES FOR THE DURATION OF THE PROJECT. ALL EROSION CONTROL DEVICES SHALL BE CHECKED DAILY-TO-INSURE THAT ALL ARE PROPERLY IN PLACE AND FUNCTIONING AS PLANNED. ALL EROSION CONTROL DEVICES WILL BE REPAIRED (CLEANED) AS NECESSARY, AND AFTER EACH RAINFALL PRODUCING RUNOFF.
4. STORM SEWER SYSTEM WILL BE INSPECTED UPON COMPLETION OF THE PROJECT. CONTRACTOR SHALL REMOVE ANY SEDIMENT OR DEBRIS FOUND IN STORM SYSTEM AT CONTRACTOR'S EXPENSE.
5. ALL DISTURBED AREAS TO RECEIVE TEMPORARY SEEDING AND MULCH. PERMANENT SEEDING TO BE SOD BY DEVELOPER.
6. ALL RIPRAP TO BE EC-1 CLASS I.
7. ALL TEMPORARY SEDIMENT TRAPS SHALL BE REMOVED ONCE THE SITE HAS STABILIZED AND A PERMANENT STAND OF GRASS HAS BEEN ESTABLISHED AND BASE STONE HAS BEEN LAID IN AREAS TO BE PAVED.
8. ALL FILL TO BE COMPACTED TO 98% STANDARD PROCTOR, PLACED IN 6" LOOSE LIFTS IN BUILDING AREAS. ALL OTHER FILL TO BE COMPACTED TO 95% STANDARD PROCTOR.
9. PROVIDE TEMPORARY SEEDING AND MULCH ON ALL DIVERSIONS AND BASINS IMMEDIATELY FOLLOWING CONSTRUCTION (SAME DAY).
10. NO EXCESS MATERIAL IS EXPECTED.
11. SEE DETAIL SHEET FOR SEDIMENT BASIN AND SEDIMENT TRAP DETAILS.
12. NO LAND DISTURBING ACTIVITY SHALL OCCUR PRIOR TO THE CONTRACTOR OBTAINING THE LAND DISTURBANCE PERMIT FROM THE COUNTY. CONTRACTOR RESPONSIBLE FOR BOND.
13. CONTRACTOR RESPONSIBLE FOR ANY ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES DEEMED NECESSARY BY THE COUNTY INSPECTORS.
14. CONTRACTOR TO CHECK AND MAINTAIN SEDIMENT BASINS ONCE A WEEK AND AFTER EVERY STORM EVENT THAT PROVIDES RUNOFF AT A MINIMUM WITHIN 24 HOURS OF RAIN EVENT. CONTRACTOR TO CHECK SLOPES, SEEDING, SEDIMENT BUILDUP IN BOTTOM OF SEDIMENT BASIN, AND SPILLWAY INTEGRITY. CONTRACTOR TO DE-WATER SEDIMENT BASIN WITH A "DIRT BAG" OR APPROVED EQUAL MEASURE, AND SILT TO BE DISPOSED OF LEGALLY.
15. ALL EROSION CONTROL/STORMWATER MANAGEMENT MEASURES MUST BE DE-WATERED PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY AND ALL TEMPORARY EROSION CONTROL MEASURES MUST BE REMOVED WITHIN 30 DAYS OF PERMANENT STABILIZATION OF THE SITE. SITE CONTRACTOR RESPONSIBLE FOR DEWATERING AND REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES.
16. SILT FENCE SHOWN INSIDE SITE IS AFTER FINAL GRADES. PERIMETER SILT FENCE MUST BE IN PLACE AS A 1ST STEP MEASURE AND REMAIN UNTIL AFTER FINAL STABILIZATION.
17. USE VDOT IS-1 INVERT SHAPING IN ALL STORM MANHOLES.
18. CONTRACTOR TO BE RESPONSIBLE FOR REROUTING ALL TEMPORARY DIVERSION DIKES AS NECESSARY DURING CONSTRUCTION TO MAINTAIN PROPER DRAINAGE OF DISTURBED AREAS.
19. CONTRACTOR TO UTILIZE DUST CONTROL OVER ENTIRE SITE AS NECESSARY TO PREVENT DUST FROM EXITING PROPERTY ONTO ADJACENT RESIDENTIAL LOTS.
20. UPON COMPLETION OF PROJECT TEMPORARY ACCESS ROAD, THE TEMPORARY CULVERT AND CONTRACTOR OFFICE TRAILER/ LAYDOWN/ PARKING AREA SHALL BE RESTORED TO IT'S ORIGINAL CONDITION.

VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES
* CHART TAKEN FROM THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (JULY 1992)

| | |
|---|---|
| CE | TEMP. STONE CONSTRUCTION ENTRANCE |
| SF | SILT FENCE |
| IP | STORM D. I. PROTECTION |
| CIP | CULVERT INLET PROTECTION |
| DD | TEMPORARY DIVERSION DIKE |
| SB | TEMPORARY SEDIMENT BASIN |
| TSD | TEMPORARY SLOPE DRAIN |
| OP | OUTLET PROTECTION |
| TS | TEMPORARY SEEDING |
| PS | PERMANENT SEEDING |
| MU | MULCHING |

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SITE PLAN
FOR
ROANOKE COUNTY PUBLIC SAFETY BUILDING
ROANOKE COUNTY, VIRGINIA
NORTHROP GRUMMAN
EROSION AND SEDIMENT CONTROL PLAN

NORTHROP GRUMMAN

| REVISIONS |
|---|
| 03/16/05 PER COUNTY COMMENTS |
| 03/29/05 PER COUNTY COMMENTS |
| 04/27/05 PER COUNTY COMMENTS |
| 05/11/05 PER COUNTY COMMENTS |
| 07/26/05 PER COUNTY COMMENTS |
| 11/09/05 PER COUNTY COMMENTS |
| 12/08/05 PER COUNTY COMMENTS |
| 1/16/06 PER VDOT COMMENTS |

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|---|---|
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| DVA JOB NO. A.19802X | SCALE |

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NEAL N. WRIGHT
No. 022402
1/31/06
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