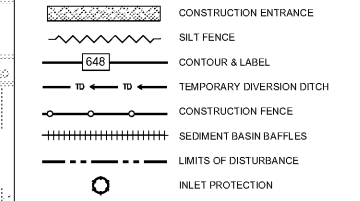


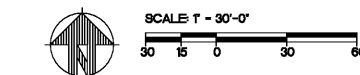
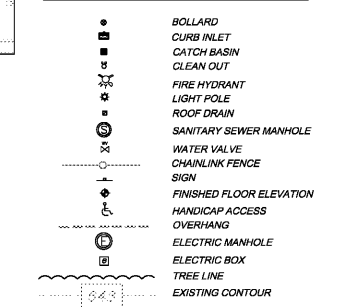
TOTAL DISTURBED AREA = 5.41 AC

- EROSION CONTROL CONSTRUCTION SEQUENCE:  
ALL WORK SHALL CONFORM TO NCDCEQ REQUIREMENTS
- NOTIFY DEQ REGIONAL OFFICE AT LEAST 72 HOURS PRIOR TO COMMENCING THE LAND DISTURBING ACTIVITY AT 919-791-4200.
  - HOLD THE PRE-CONSTRUCTION MEETING WITH ENGINEER OF RECORD AND STATE INSPECTOR. PROVIDE ESC COORDINATOR'S NAME AND PHONE NUMBER (MICHAEL HAMMERSLEY, 919-401-8586) TO NCDCEQ AND ENGINEER OF RECORD.
  - THE SITE SHALL BE INSPECTED, AT MINIMUM WEEKLY AND FOLLOWING SIGNIFICANT RAINS OF 0.5/24 HOURS OF RAIN. REPORTS SHALL BE GENERATED FOR ALL INSPECTORS. ACTIONS USING STORMWATER INSPECTION (NCDCEQ 150.010) AND DISTURBING ACTIVITIES.
  - GRADE AND INSTALL CONSTRUCTION ENTRANCES.
  - INSTALL PERIMETER PROTECTION (SILT FENCE, TREE PROTECTION, INLET PROTECTION, ETC.).
  - CLEAR ENOUGH AREA TO INSTALL THE SKIMMER BASIN AND SEDIMENT DIVERSION DITCHES.
  - INSTALL THE DIVERSION DITCHES IMMEDIATELY AFTER SKIMMER BASINS ARE CONSTRUCTED.
  - SKIMMER BASIN AND DIVERSION DITCHES ARE TO BE STABILIZED IMMEDIATELY.
  - INSTALL THE NEW STORM DRAINS.
  - ADD INLET PROTECTION AROUND THE NEW INLETS.
  - MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH NCDCEQ AND MANUFACTURER'S RECOMMENDATIONS. INSPECT AND MAINTAIN ALL SEDIMENT & EROSION CONTROL MEASURES AFTER EACH 1/2" OR GREATER STORM EVENT.
  - ALL SEDIMENT MUST BE CLEANED UP USING DRY METHODS (IE NO WASHING SEDIMENT OFF ROADWAYS).
  - COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, OR EQUIVALENT. ALSO, COVER AREAS BEFORE MAJOR STORM EVENTS.
  - STABILIZE ALL AREAS WITHIN 7 DAYS OF REACHING FINAL GRADE. INACTIVE AREAS SHALL BE STABILIZED/PROVIDED WITH GROUND COVER WITHIN 7 DAYS.
  - SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 14 DAYS.
  - REQUEST INSPECTION FROM ENGINEER OF RECORD. REMOVE TEMPORARY DEVICES UPON ENGINEER'S APPROVAL. CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MAINTENANCE, AND REMOVAL OF THESE SYSTEMS.
  - SKIMMER BASIN SHALL BE DEWATERED THROUGH A FILTER BAG. DETAIL (4C5.1). DEWATERING DIRECTLY TO STORM DRAINS IS PROHIBITED. REMOVE SKIMMER BASIN #1 AFTER A MAJORITY OF THE PARKING LOT STONE HAS BEEN PLACED.
  - RESEED ALL DISTURBED AREAS.
  - THE LANDOWNER OR RESPONSIBLE PARTY'S AGENT SHALL PERFORM AN INSPECTION OF THE AREA COVERED BY THE PLAN AFTER EACH PHASE HAS BEEN COMPLETED AND AFTER ESTABLISHMENT OF TEMPORARY GROUND COVER IN ACCORDANCE WITH G.S. 113A-57(2). THE PERSON WHO PERFORMS THE INSPECTION SHALL MAINTAIN AND MAKE AVAILABLE A RECORD OF THE INSPECTION AT THE SITE OF THE LAND-DISTURBING ACTIVITY.
  - CONTRACTOR TO INSTALL A RAIN GAUGE ON SITE.
  - AN APPROVED COPY OF THE EASC PLAN WITH PLACARD & APPROVAL LETTER, A COPY OF THE NPDES PERMIT WITH A MINIMUM OF 30 DAYS OF SELF-INSPECTION REPORTS ARE TO BE KEPT ON SITE UNTIL PROJECT CLOSURE BY NCDCEQ.
  - ESAC MEASURES ARE TO BE INSTALLED AT ANY AREAS USED FOR CONTRACTOR EQUIPMENT STAGING, MATERIALS LAYDOWN, SPOIL OR WASTE AREAS.
  - ALL SEDIMENT BASINS MUST BE MAINTAINED UNTIL ALL UPGRADE DRAINAGE AREAS HAVE BEEN STABILIZED WITH THE ESTABLISHMENT OF PERMANENT VEGETATION.
  - ANY DEWATERING OF SEDIMENT CONTAINMENT DEVICES FOR MAINTENANCE, REMOVAL OR CONVERSION PURPOSES IS TO BE DONE THROUGH A SILT BAG.
  - ANY BARE SOILS BETWEEN DIVERSION AND PERIMETER SILT FENCE WILL BE RESEED, MULCHED THAT IS PROPERLY ANCHORED.
  - FOR ANY QUESTIONS WHICH COME UP DURING THE CONSTRUCTION CONTACT MICHAEL HAMMERSLEY AT 919-401-8586.

**EROSION CONTROL LEGEND**

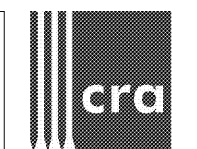


**EXISTING CONDITIONS LEGEND**

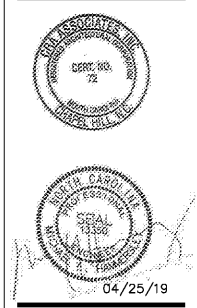


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Skimmer Basin #1	Skimmer Basin #2	Skimmer Basin #3
Okay	Okay	Okay
1.4 Disturbed Area (Acres)	1.3 Disturbed Area (Acres)	0.46 Disturbed Area (Acres)
3.89 Peak Flow from 25-year Storm (cfs)	3.61 Peak Flow from 25-year Storm (cfs)	1.16 Peak Flow from 25-year Storm (cfs)
2520 Required Volume #3	2340 Required Volume #3	628 Required Volume #3
1264 Required Surface Area #2	1174 Required Surface Area #2	377 Required Surface Area #2
26.2 Suggested Width ft	24.2 Suggested Width ft	13.7 Suggested Width ft
50.3 Suggested Length ft	48.5 Suggested Length ft	27.5 Suggested Length ft
25 Trial Top Width at Spillway Invert ft	19 Trial Top Width at Spillway Invert ft	24 Trial Top Width at Spillway Invert ft
60 Trial Top Length at Spillway Invert ft	66 Trial Top Length at Spillway Invert ft	50 Trial Top Length at Spillway Invert ft
3 Trial Side Slope Ratio Z:1	3 Trial Side Slope Ratio Z:1	3 Trial Side Slope Ratio Z:1
3 Trial Depth ft (2 to 3.5 feet above grade)	3 Trial Depth ft (2 to 3.5 feet above grade)	3 Trial Depth ft (2 to 3.5 feet above grade)
1 Bottom Width ft	1 Bottom Width ft	6 Bottom Width ft
42 Bottom Length ft	47 Bottom Length ft	32 Bottom Length ft
294 Bottom Area #2	67 Bottom Area #2	192 Bottom Area #2
2529 Actual Volume #3	2361 Actual Volume #3	1926 Actual Volume #3
1500 Actual Surface Area #2	1615 Actual Surface Area #2	1200 Actual Surface Area #2
3 Trial Weir Length ft	3 Trial Weir Length ft	3 Trial Weir Length ft
0.75 Trial Depth of Flow ft	0.75 Trial Depth of Flow ft	0.75 Trial Depth of Flow ft
5.8 Spillway Capacity cfs	5.8 Spillway Capacity cfs	5.8 Spillway Capacity cfs
1.5 Skimmer Size (inches)	1.5 Skimmer Size (inches)	1.5 Skimmer Size (inches)
0.125 Head on Skimmer (feet)	0.125 Head on Skimmer (feet)	0.125 Head on Skimmer (feet)
1 Orifice Size (1/4 inch increments)	1 Orifice Size (1/4 inch increments)	1 Orifice Size (1/4 inch increments)
3.10 Dewatering Time (days)	2.89 Dewatering Time (days)	2.36 Dewatering Time (days)
Dewatering Time should be 2-5 days	Dewatering Time should be 2-5 days	Dewatering Time should be 2-5 days



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Cedar Ridge High School  
Classroom Addition  
Orange County Schools  
1125 New Grady Brown School Road  
Hillsborough, North Carolina

no.	revisions

The use of these plans and specifications is limited to the project and site conditions shown on the drawings. Any changes or modifications to these plans and specifications must be approved in writing by the engineer of record. The engineer of record is not responsible for any errors or omissions in these plans and specifications. The user of these plans and specifications is advised to verify all dimensions and conditions before construction. The user of these plans and specifications is advised to contact the engineer of record for any questions or clarifications. The user of these plans and specifications is advised to contact the engineer of record for any questions or clarifications.

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**C5.0**  
sheet  
PRE-SEDIMENT AND  
EROSION CONTROL  
PLAN  
project no. 1716  
date 04/25/19