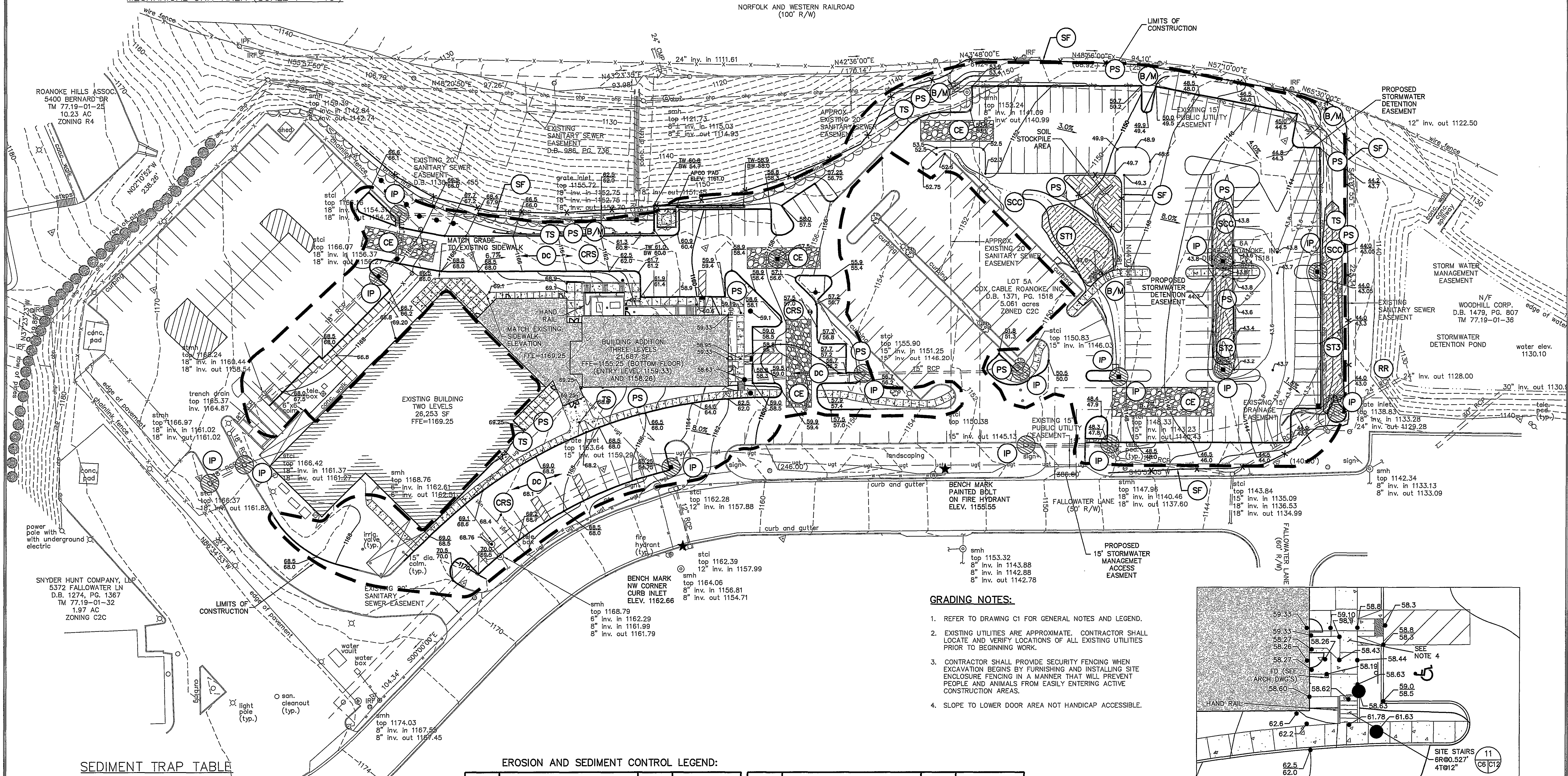


MECHANICAL UNIT AREA (SCALE 1" = 10')

# EROSION AND SEDIMENT CONTROL NOTES:

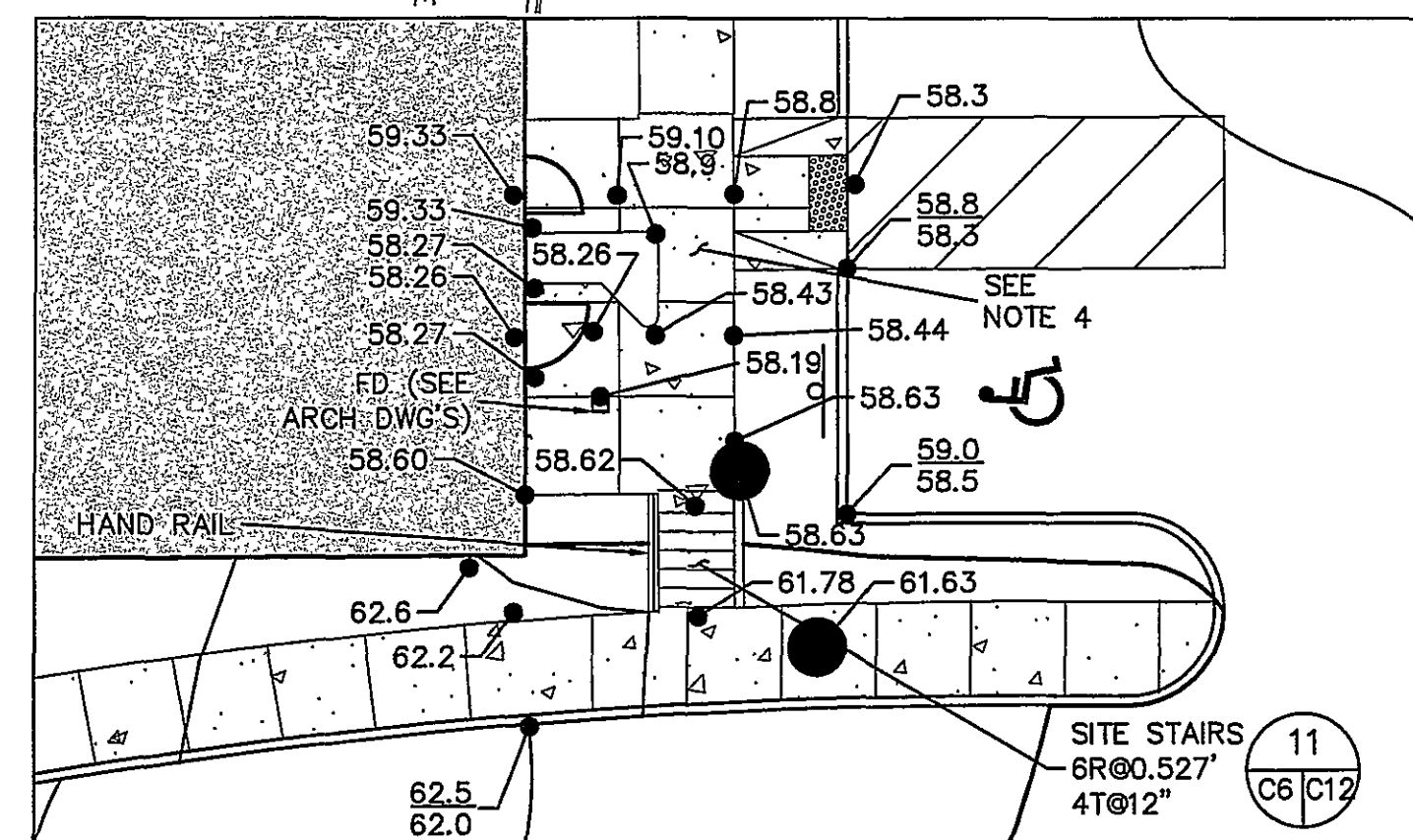
1. REFER TO DRAWING C1 FOR GENERAL NOTES AND LEGEND. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH) AND VIRGINIA REGULATIONS 4VAC50-30 EROSION AND SEDIMENT CONTROL REGULATIONS. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
2. MINIMUM MEASURES ARE INDICATED. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF THESE MINIMUM REQUIREMENTS AND ALL OTHER MEASURES NECESSARY TO CONTROL, FILTER, AND PREVENT SEDIMENT FROM LEAVING THE SITE. EROSION CONTROL MEASURES SHALL BE PLACED PRIOR TO COMMENCEMENT OF UPSLOPE EARTHWORK ACTIVITIES. IN NO CASE DURING CONSTRUCTION SHALL WATER RUNOFF BE DIVERTED OR ALLOWED TO FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN PROVIDED. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL UPSLOPE DISTURBED AREAS ARE STABILIZED.
3. ALL WORK SHALL BE SUBJECT TO INSPECTION BY ROANOKE COUNTY AND THE COMMONWEALTH OF VIRGINIA DEPARTMENT OF CONSERVATION AND RECREATION. THESE AGENCIES HAVE THE RIGHT TO ADD OR DELETE ESC CONTROLS IN THE FIELD. ANY CHANGES REQUIRED BY THE INSPECTOR OR NOTED DEFICIENCIES SHALL BE CORRECTED BY THE CONTRACTOR.
4. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES IMMEDIATELY AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT, AT LEAST DAILY DURING PROLONGED RAINFALL, AND AT LEAST WEEKLY WHEN NO RAINFALL OCCURS. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY. REMOVE SEDIMENT FROM DEVICES WHEN DEPOSITS REACH NO MORE THAN ONE-HALF THE HEIGHT OF THE BARRIER.
5. PERMANENT SEEDING SHALL BE APPLIED TO INDICATED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. PERMANENT SEEDING SHALL ALSO BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN 1 YEAR.
6. IF PERMANENT SEEDING IS NOT APPLIED TO DENUDED AREAS WITHIN 7 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE, THE ASSOCIATED AREA SHALL BE TEMPORARILY SEED. TEMPORARY SEEDING SHALL BE APPLIED WITHIN 7 DAYS ON DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE, BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 30 DAYS.
7. DURING CONSTRUCTION, THE CONTRACTOR SHALL PERIODICALLY TOP DRESS THE CONSTRUCTION ENTRANCE WITH CLEAN STONE. VEHICLE TIRES SHALL BE WASHED IF THE CONSTRUCTION ENTRANCE FAILS TO REMOVE SOIL FROM THE TIRES OF VEHICLES ENTERING THE PAVED STREET. ANY MUD OR SOIL THAT ACCUMULATES ON PAVED ROADWAYS, FROM THE CONTRACTOR'S ACTIVITIES, SHALL BE REMOVED BY THE CONTRACTOR. CONTRACTOR SHALL FLAG AND CONTROL TRAFFIC WHILE REMOVAL IS BEING PERFORMED.
8. DUST SHALL BE CONTROLLED IN ACCORDANCE WITH VESCH, STD. 3.39.
9. SILT FENCE AND ALL OTHER EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED BEFORE ANY UPSLOPE ACTIVITIES BEGIN.
10. THE METHODS AND STRATEGIES TO CONTAIN EROSION AND SEDIMENT AS LISTED IN THE DOCUMENT ENTITLED "EROSION AND SEDIMENT CONTROL NARRATIVE AND DRAINAGE CALCULATIONS" FOR THE COX COMMUNICATIONS RENOVATIONS AND ADDITIONS, PARTIALLY INCLUDED ON SHEET N1, SHALL BE FOLLOWED DURING CONSTRUCTION.
11. DISTURBED ACREAGE = 2.94 AC.

NORFOLK AND WESTERN RAILROAD  
(100' R/W)



## GRADING NOTES:

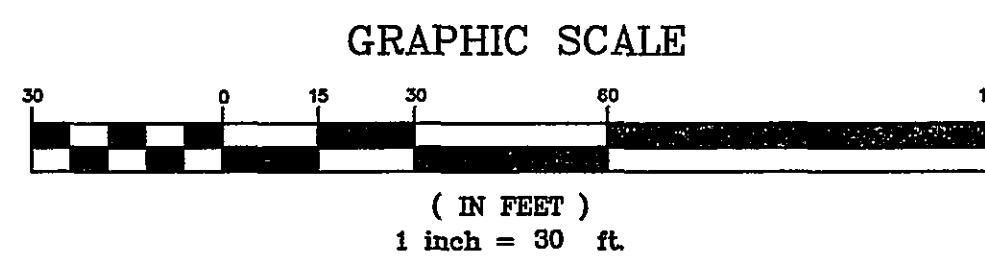
1. REFER TO DRAWING C1 FOR GENERAL NOTES AND LEGEND.
2. EXISTING UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL LOCATE AND VERIFY LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING WORK.
3. CONTRACTOR SHALL PROVIDE SECURITY FENCING WHEN EXCAVATION BEGINS BY FURNISHING AND INSTALLING SITE ENCLOSURE FENCING IN A MANNER THAT WILL PREVENT PEOPLE AND ANIMALS FROM EASILY ENTERING ACTIVE CONSTRUCTION AREAS.
4. SLOPE TO LOWER DOOR AREA NOT HANDICAP ACCESSIBLE.



GROUND FLOOR ENTRANCE AREA (SCALE 1" = 10')

## APPROVED:

COUNTY ENGINEER	DATE
COUNTY PLANNER	DATE



## SEDIMENT TRAP TABLE

SEDIMENT TRAP #	1	2	3
REQUIRED STORAGE (FT³)	1971	1882	1085
REQUIRED STORAGE (CY)	73	70	40
WET STORAGE BOTTOM LENGTH (FT)	27	75	21
WET STORAGE TOP LENGTH (FT)	32	80	26
WET STORAGE BOTTOM WIDTH (FT)	11	3	7
WET STORAGE TOP WIDTH (FT)	16	8	12
WET STORAGE DEPTH (FT)	2.5	2.5	2.5
WET STORAGE VOLUME (FT³)	1011	1081	574
DRY STORAGE BOTTOM LENGTH (FT)	32	80	26
DRY STORAGE TOP LENGTH (FT)	36	83	29
DRY STORAGE BOTTOM WIDTH (FT)	16	8	12
DRY STORAGE TOP WIDTH (FT)	20	11	15
DRY STORAGE DEPTH (FT)	2.0	1.5	1.5
DRY STORAGE VOLUME (FT³)	1232	1165	560
TOTAL VOLUME (FT³)	2243	2246	1134

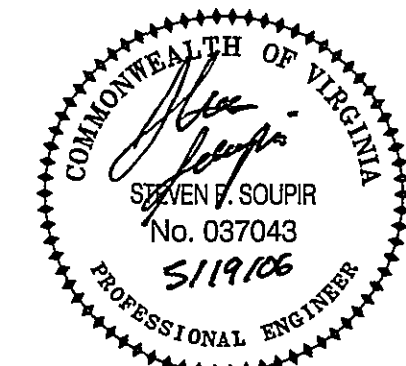
## EROSION AND SEDIMENT CONTROL LEGEND:

No.	TITLE	KEY	SYMBOL
3.02	TEMPORARY STONE CONSTRUCTION ENTRANCE	CE	
3.03	CONSTRUCTION ROAD STABILIZATION	CRS	
3.05	SILT FENCE	SF	
3.07	STORM DRAIN INLET PROTECTION	IP	
3.13	SEDIMENT TRAP	ST	
3.17	STORMWATER CONVEYANCE CHANNEL	SCC	

No.	TITLE	KEY	SYMBOL
3.19	RIPRAP	RR	
3.31	TEMPORARY SEEDING	TS	
3.32	PERMANENT SEEDING	PS	
3.36	SOIL STABILIZATION BLANKETS & MATTING	B/M	
3.39	DUST CONTROL	DC	

KEYPLAN

**Draper Aden Associates**  
Engineering • Surveying • Environmental Services  
2208 South Main Street  
Blacksburg, VA 24060  
540-552-0444 Fax: 540-552-0291



PROJECT TITLE

**COX COMMUNICATIONS**  
RENOVATIONS AND ADDITIONS

COX COMMUNICATIONS  
ROANOKE COUNTY, VIRGINIA

**SFCSC**  
Architecture  
Engineering  
Planning  
Interiors  
SFCSC Inc. • 305 South Jefferson Street  
Roanoke, Virginia 24011.2003  
540.344.6664 • Fax 540.343.6925  
www.sfcsc.com

PROJECT DESIGNER	:	
PROJECT ARCHITECT	:	
PROJECT ENGINEER	:	
DESIGNED BY	:	SPS
DRAWN BY	:	JGL
CHECKED BY	:	CAH
NO.	REVISION DESCRIPTION	DATE
	CONSTRUCTION	3/14/08
	DRAWING SUBMITTAL	4/06/08
	COUNTY COMMENT	5/01/08
	COUNTY COMMENT	5/01/08
	COUNTY COMMENT	5/19/08

DRAWING TITLE

GRADING AND EROSION &  
SEDIMENT CONTROL PLAN

COMM. NO.  
5915.00  
DRAWING

DATE  
MARCH 14, 2006  
SHEET

C6

7 OF 19