REALM ENGINEERING

PLANS PREPARED UNDER
THE SUPERVISION OF:

CIVIL ENGINEERING, SURVEYING & PLANNING
1767 MARKET STREET SUITE <
REDDING, CA. 96001
530-526-7493

EROSION AND SEDIMENT CONTROL PLAN

Revisions

PATEL & BERRY ROSH
16544 BACHELOR VALLEY RD
BITTER SPRINGS, CA 92410
LAKE COUNTY APN/220-019-10

7

STRAW ROLL DETAILS

ADJACENT ROLLS SHALL TIGHTLY ABUT

LIVE STAKE

SEDIMENT, ORGANIC MATTER AND WATER ARE CAPTURED BEHIND THE ROLLS

6"-10" DIA. (200-250mm)

1"x1" STAKE (25 x 25mm)

3"-5" (75-125mm)

10-25 (3-8m)

SPACING DEPENDS ON SOIL TYPE AND SLOPE STEEPNESS

8" (1.2m)

NOTES:

1. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" (75-125mm) DEEP. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

2. STRAW ROLLS MUST BE PLACED ALONG SLOPE CONTOURS

EROSION & SEDIMENT CONTROL NOTES:

1. CONTRACTOR IS TO IMPLEMENT BEST MANAGEMENT PRACTICES (BMPs) TO CONTROL EROSION, CONTROL AND REDUCE THE OFF-SITE DISCHARGE OF SEDIMENT TO THE MAXIMUM EXTENT PRACTICABLE.

2. EROSION CONTROL BMPS SHALL BE IN PLACE AND MAINTAINED ALL YEAR ROUND.

3. THE CONTRACTOR SHALL FOLLOW THE GUIDELINES FROM THE CALIFORNIA STORMWATER BMP HANDBOOK FOR THE MEASURES SHOWN OR STATED ON THESE PLANS.

4. CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM.

5. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF THE QUALIFIED SWPPP PRACTITIONER (QSP).

6. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO ANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF CALAVERAS COUNTY.

7. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

8. CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMPS AS WELL AS ANY CORRECTIVE CHANGES TO THE EROSION AND SEDIMENT CONTROL PLAN.

9. THE CONTRACTOR SHALL INSTALL THE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE.

10. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEPT AT THE END OF EACH WORKING DAY OR AS NECESSARY.

11. ANY LOOSE GROUND FROM EXCAVATING GRADING OPERATIONS SHALL BE SECURED PRIOR TO ANY RAIN EVENT. STRAW OR TARP ALL DISTURBED OR EXCAVATED GROUND.

12. CONTRACTOR SHALL PLACE GRAVEL BAGS AROUND ALL NEW DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE GRAVEL BAGS SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.

13. AS A MINIMUM, ALL GRADED AREAS AND EXPOSED SOIL WITHIN THE PROJECT SHALL BE SEEDED PER THE REQUIREMENTS OF CALAVERAS COUNTY.

14. DUST GENERATION MUST BE MINIMIZED AND A WATER TRUCK MUST BE AVAILABLE ON-SITE FOR ADEQUATE DUST CONTROL.

SECTION B-B

NTS

CRUSHED AGGREGATE NO SMALLER THAN 6"

ORIGINAL GRADE

GEOTEXTILE FABRIC

TC-1 STANDARD ROCK SIZE AGGREGATE 12" MIN. UNLESS OTHERWISE SPECIFIED BY SOILS ENGINEER

12" MIN

SC-5 STABILIZED CONSTRUCTION EXIT

NO SCALE

12 FT MIN

70 FT RADIUS MIN.

NOTE:
CONSTRUCT SEDIMENT BARRIER AND CHANNELIZE RUNOFF TO SEDIMENT TRAPPING DEVICE

CONSTRUCTION SEDIMENT BARRIER TO CHANNELIZE RUNOFF TO SEDIMENT BASIN AS REQUIRED

TEMPORARY PIPE CULVERT AS NEEDED

DITCH

MATCH EX. GRADE

EXISTING PAVED ROADWAY

PLAN VIEW DETAIL

LEGEND

EXISTING TREES

DRAINAGE PATTERNS

STRAW ROLLS (ADJUST TO SUIT FIELD CONDITIONS)

DISCHARGE POINT

SAMPLING LOCATION — SMS

CONSTRUCTION MATERIALS STORAGE AREA

GRAVEL ENTRANCE — GE

EROSION AND SEDIMENT CONTROL PLAN

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

BACHELOR VALLEY RD