

## EROSION AND SEDIMENT CONTROL PLAN-IMPLEMENTATION MEASURES

OWNER(S): KEVIN PEAK ENGINEER'S DECLARATION: PROJECT LOCATION: LAT. 40.08581 LONG. -123.680359, GARBERVILLE CA, ACTIVITY: CONSTRUCTION OF GRADED FLAT ORGANIZERS: A.M. BAIRD ENGINEERING & SURVEYING, INC.

PRACTICES (BMP)S MANUAL MARCH 2015. THIS EROSION & SEDIMENT CONTROL PLAN WAS PREPARED BY ME OR UNDER MY DIRECTION & IS BASED UPON THE CALTRANS CONSTRUCTION SITE BEST MANAGEMENT

### ALLAN M. BAIRD R.C.E. 23,681

DATED

GRADING & EROSION CONTROL MEASURES TO BE TAKEN AT TIME OF PERMIT, & CONTINUE THROUGHOUT CONSTRUCTION PROCESS. . To

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OWNER(S) INTEND TO BEGIN CONSTRUCTION AS SOON AS PERMIT IS ISSUED, IF CONSTRUCTION IS TO OCCUR BETWEEN OCTOBER 15 & APRIL 15, SITE INSPECTIONS WILL BE CONDUCTED BY THE CONTRACTOR & ORNER(S): PRIOR TO A FORECASTED STORM, AFTER A RAIN EVENT, WEEKLY THROUGHOUT THE RAINY SEASON, AND EVERY TWO WEEKS THROUGHOUT CONSTRUCTION

IN THE EVENT THAT ANY ASPECT OF THIS PLAN FAILS, THE OWNER(S) IS/ARE SITE WILL BE MONITORED DAILY DURING WET WEATHER BY CONTRACTOR &/OR OWNER(S) ARE RESPONSIBLE FOR REPORTING ANY HAZARDOUS SITUATIONS TO THE ENGINEER. RESPONSIBLE FOR IMMEDIATELY CONTACTING THE ENGINEER FOR RECOMMENDATION(S)

9

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œ AND A PROFESSIONAL CONTRACTOR SHALL FOLLOW RECOMMENDATION(S) IF A FOOTING REVIEW IS REQUIRED, SITE MUST BE EVALUATED BY AN ENGINEER, & IF NECESSARY, ADDITIONAL EROSION CONTROL MEASURES WILL BE TAKEN.

UPON COMPLETION OF THE PERMITTED ROUGH GRADING WORK & AT THE FINAL COMPLETION OF THE WORK FOR "ENGINEERED GRADING", OR WHEN PROFESSIONAL INSPECTION IS PERFORMED FOR REGULAR GRADING; A FINAL REPORT SHALL BE SUBMITTED BY THE ENGINEER, IF REQUIRED.

GRADING OPERATION IS READY FOR FINAL INSPECTION, AS REQUIRED. THE PERMIT APPLICANT/OWNER(S) SHALL NOTIFY THE BUILDING OFFICIAL WHEN THE

9

10. IF REQUIRED BY NOTE NINE (9.) ABOVE, A FINAL REPORT SHALL BE PREPARED BY THE ENGINEER AND SUBMITTED TO THE HUMBOLDT COUNTY BUILDING DEPARTMENT BEFORE THE FINAL INSPECTION TO ENSURE THE SITE IS IN ACCORDANCE WITH THIS EROSION CONTROL PLAN & HUMBOLDT COUNTY CODE 331-17.

# SEDIMENT CONTROL, SLOPE CONSTURCITON, & PROTECTION OF WATER COURSES.

11. DIRECT RUNOFF FROM SPOUTS WILL DISCHARGE TO SPLASH BLOCKS & FLOW AWAY FORM THE FOUNDATION &/OR FILL. CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY

FROM STRUCTURE AS PER CURRENT BUILDING CODE.

12. ALL EXPOSED, DISTURBED GROUND SHALL BE TEMPORARILY COVERED W/ TWO INCHES OF STRAW MULCH IMMEDIATELY FOLLOWING GRADING.

13. IF APPLICABLE, CUT &/OR FILL AREAS SHALL BE COVERED W/ NATIVE GRASSES,

COVERED W/ STRAW MULCH, & KEPT MOIST UNTIL GRASSES ESTABLISH.

14. DRIVEWAY SHALL BE PAVED OR COVERED BY 4-INCHES BASE ROCK TO PREVENT VEHICLE TRACKING OF MUD ONTO PUBLIC ROADWAYS DURING CONSTRUCTION.

15. FIBER ROLLS SHALL BE CONSTRUCTED ON CONTOURS DOWN SLOPE OF DISTURBED AREAS, DETAILS ON SHEET THREE 3.

16. FIBER ROLL LOCATION(S), OTHER EROSION, & SEDIMENT CONTROL MEASURES WERE SPECIFICALLY PLACED BASED ON TOPOGRAPHY OF ENCLOSED MAP. MINOR CHANGES THE PROPOSED DEVELOPMENT THAT WOULD CHANGE THE ASSUMED DIRECTION OF SURFACE FLOWS SHOULD APPROPRIATELY CHANGE THE LOCATION OF FIBER ROLLS STATED IN NOTE 15.

7

### DISPOSAL OF EXCAVATED MATERIALS:

17. APPROXIMATELY 29,000 CU. YDS. OF MATERIAL WILL BE GRADED ON SITE. NO SOIL TO

<u>1</u>8. BE REMOVED FROM SITE, CUT=FILL.

CUT SLOPES ARE NOT TO EXCEED 1:1 & FILL SLOPES ARE NOT TO EXCEED 1.5:1 OR LESS AS PER PLANS; RUNOFF FROM ROOF/DRIVEWAY SHALL BE DIRECTED AWAY FORM CUT & FILL AREAS.

EROSION OF EXPOSED EXCAVATED MATERIALS WILL BE PREVENTED BY COMPACTING TO 85% BY TRACKING W/ HEAVY EQUIPMENT, 90% RC FOR AGRICULTURAL STRUCTURES

19. AND 95% FOR FILL SUPPORTING RESIDENTIAL STRUCTURES IN EIGHT INCH LIFTS. MULCHING, & RE-SEEDING IMMEDIATELY FOLLOWING PLACEMENT, IF APPLICABLE.

# REMOVAL OF VEGETATION & REVEGETATION:

20. EXISTING VEGETATION SHALL BE PROTECTED BY ESTABLISHING THE CONSTRUCTION BOUNDARY PRIOR TO COMMENCEMENT OF SOIL—DISTURBING ACTIVITIES.

21. EXISTING VEGETATION TO BE DISTURBED BY GRADING ACTIVITIES SHALL BE REPLACE W/ NATIVE GRASSES.

22. ALL EXPOSED CUT &/OR FILL SLOPES SHOULD BE RE-VEGETATED TO MATCH EXISTING VEGETATION IN SURROUNDING AREA.

23. CUT &/OR FILL SLOPES ARE LESS THAN NATURALLY OCCURRING SLOPES THAT SUPPORT PERMANENT VEGETATION.

24. SITE WILL BE MONITORED ON A DAILY BASIS DURING PERIODS OF HEAVY RAIN OR WIND. REAPPLICATION OF STRAW MULCH OR RE-SEEDING SHOULD BE COMPLETED AS





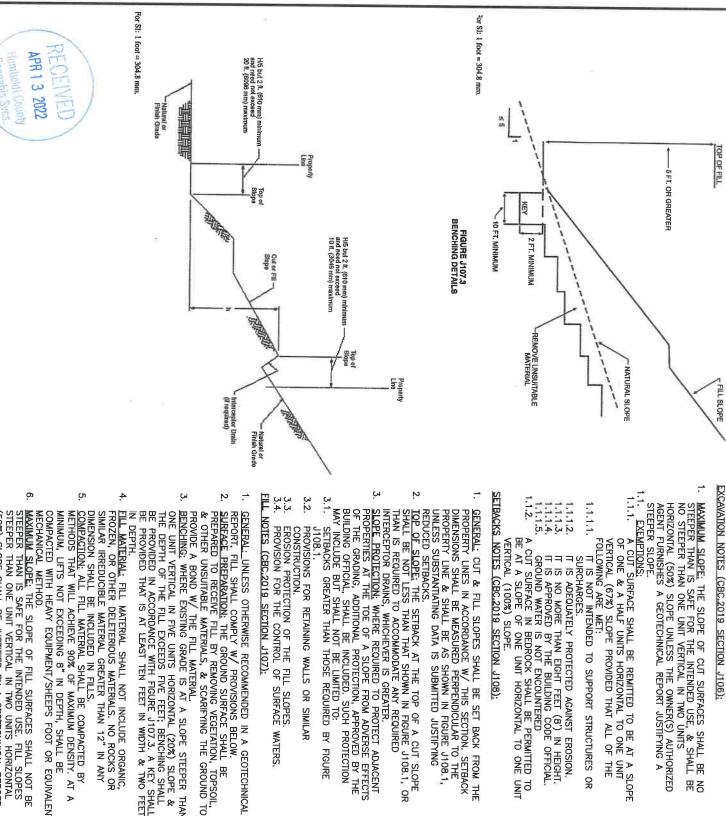
A.M.Baird
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NO. DATE

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KEVIN PEAK APN 216-082-006 HUMBOLDT CO. CA, GRADED FLAT

GEC NOTES



EXCAVATION NOTES (CBC.2019 SECTION J106):

MAXIMUM SLOPE: THE SLOPE OF CUT SURFACES SHALL BE STEEPER THAN IS SAFE FOR THE INTENDED USE, & SHALL NO STEEPER THAN ONE UNIT VERTICAL IN TWO UNITS STEEPER SLOPE HORIZONTAL (50%) SLOPE UNLESS THE OWNER(S) AUTHORIZED AGENT FURNISHES A GEOTECHNICAL REPORT JUSTIFYING A 图

EXEMPTIONS:

I. A CUT SURFACE SHALL BE REMITTED TO BE AT A SLOPE
OF ONE & A HALF UNITS HORIZONTAL TO ONE UNIT

VERTICAL (67%) SLOPE PROVIDED THAT ALL OF THE FOLLOWING ARE MET:

1.1.1 IT IS NOT INTENDED TO SUPPORT STRUCTURES OR SURCHARGES.

1.2. IT IS ADEQUATELY PROTECTED AGAINST EROSION.

1.3. IT IS NO MORE THAN EIGHT FEET (8') IN HEIGHT.

1.4. IT IS APPROVED BY THE BUILDING COOPE OFFICIAL.

1.5. GROUND WATER IS NOT ENCOUNTERED

2. A CUT SURFACE IN BEDROCK SHALL BE PERMITTED TO BE AT A SLOPE OF ONE UNIT HORIZONTAL TO ONE UNIT

VERTICAL (100%) SLOPE.

SETBACKS NOTES (CBC.2019 SECTION J108):

PROPERTY LINES IN ACCORDANCE W/ THIS SECTION. SETBAC DIMENSIONS SHALL BE MEASURED PERPENDICULAR TO THE PROPERTY LINE & SHALL BE AS SHOWN IN FIGURE J108.1, UNLESS SUBSTANTIATING DATA IS SUBMITTED JUSTIFYING GENERAL: CUT & FILL SLOPES SHALL BE SET BACK FROM THE SETBACK

SETBACKS.

2. TOP OF SLOPE. THE SETBACK AT THE TOP OF A CUT SLOPE SHALL BE NOT LESS THAN THAT SHOWN IN FIGURE J108.1, OR THAN IS REQUIRED TO ACCOMMODATE ANY REQUIRED INTERCEPTOR DRAINS, WHICHEVER IS GREATER.

3. SLOPE PROTECTION: WHERE REQUIRED TO PROTECT ADJACENT PROPERTIES AT THE TOE OF A SLOPE FROM ADVERSE EFFECTS OF THE GRADING, ADDITIONAL PROTECTION, APPROVED BY THE BUILDING OFFICIAL, SHALL BE INCLUDED. SUCH PROTECTION MAY INCLUDE BUT SHALL NOT BE LIMITED TO:

3.1. SETBACKS GREATER THAN THOSE REQUIRED BY FIGURE

PROVISIONS FOR RETAINING WALLS OR SIMILAR CONSTRUCTION.

FILL NOTES (CBC.2019 SECTION J107): EROSION PROTECTION OF THE FILL SLOPES. PROVISION FOR THE CONTROL OF SURFACE WATERS.

REPORT, FILL SHALL COMPLY W/ PROVISIONS BELOW.
SURFACE PREPARATION: THE GROUND SURFACE SHALL BE
PREPARED TO RECEIVE FILL BY REMOVING VEGETATION, TOPSOIL GENERAL: UNLESS OTHERWISE RECOMMENDED IN A GEOTECHNICAL

ONE UNIT VERTICAL IN FIVE UNITS HORIZONTAL (20%) SLOPE & THE DEPTH OF THE FILL EXCEEDS FIVE FEET; BENCHING SHALL BE PROVIDED IN ACCORDANCE WITH FIGURE J107.3. A KEY SHALL BE PROVIDED THAT IS AT LEAST TEN FEET IN WIDTH & TWO FEET IN DEPTH. PROVIDE A BOND W/ THE FILL MATERIAL.

BENCHING: WHERE EXISTING GRADE IS AT A SLOPE STEEPER THAN

SIMILAR IRREDUCIBLE MATERIAL GREATER THAN 12" IN ANY DIMENSION SHALL BE INCLUDED IN FILLS.

COMPACTION: ALL FILL MATERIAL SHALL BE COMPACTED BY METHODS THAT WILL ACHIEVE 90% OF MAXIMUM DENSITY. AT A MINIMUM, LIFTS NOT EXCEEDING 8" IN DEPTH, SHALL BE FILL MATERIAL: FILL MATERIAL SHALL NOT INCLUDE ORGANIC FROZEN, OR OTHER DELETERIOUS MATERIALS. NO ROCKS OR

MAXIMUM SLOPE: THE SLOPE OF FILL SURFACES SHALL NOT BE STEEPER THAN IS SAFE FOR THE INTENDED USE. FILL SLOPES STEEPER THAN ONE UNIT VERTICAL IN TWO UNITS HORIZONTAL (50%) SLOPE SHALL BE JUSTIFIED BY A GEOTECHNICAL REPORT OR ENGINEERING DATA. COMPACTED WITH HEAVY EQUIPMENT/SHEEPS FOOT OR EQUIVALENT MECHANICAL METHOD

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DRAINAGE & TERRACING NOTES (CBC.2019 SECTION J109);

GENERAL: UNLESS OTHERWISE RECOMENDED BY REGISTERED DESIGN PROFESSIONAL, DRAINAGE FACILITIES & TERRACING SHALL BE PROVIDED IN EXCEPTION: DRAINAGE FACILITIES & TERRACING NEED NOT BE PROVIDED WHERE THE GROUND SLOPE IS NOT STEEPER THAN ONE UNIT VERTICAL IN THREE SECTION. ACCORDANCE W/ THE REQUIREMENTS OF THIS

UNITS HORIZONTAL (33%) SLOPE,

FOR CLEANING & MAINTENANCE.
WHERE MORE THAN TWO TERRACES ARE 30' VERTICAL UNIT INTERVALS ON ALL CUT OR FULL SLOPES TO CONTROL SURFACE DRAINAGE & DEBRIS. TERRACES: TERRACES AT LEAST SIX FEET (6') IN WIDTH SHALL BE ESTABLISHED AT NOT MORE THAN SUITABLE ACCESS SHALL BE PROVIDED TO ALLOW ONE TERRACE, LOCATED AT

12' IN WIDTH. REQUIRED, APPROXIMATELY MID-HEIGHT, SHALL BE AT LEAST

THAN FIVE FEET NOT LESS THAN THREE INCHES (3") IN THICKNESS, OR W/ OTHER MATERIAL SUITABLE TO THE APPLICATION. THEY SHALL HAVE A DEPTH NOT LESS A SINGLE RUN OF SWALES OR DITCH SHALL COLLECT RUNOFF FROM A TRIBUTARY AREA THAN 12 INCHES (12") & A WIDTH ONT LESS SWALES OR DITCHES SHALL BE PROVIDED ON TERRACES. THEY SHALL HAVE A MINIMUM GRADIENT ONE UNIT VERTICAL IN 20 UNITS HORIZONTAL 5%) SLOPE & SHALL BE PAVED W/ CONCRETE NO.

NOT LESS THAN THREE INCHES (3") IN THICKNESS, OR BY OTHER MATERIALS SUITABLE TO THE APPLICATION. DISCHARGE FROM THE DRAIN SHALL BE APPLICATION. DISCHARGE FROM THE DRAIN SHALL BE APPROVED BY THE BUILDING OFFICIAL.

4. DRAINAGE ACROSS PROPERTY LINE: DRAINAGE ACROSS PROPERTY LINE: DRAINAGE THAT WHICH EXISTED PRIOR TO GRADING. EXCESS OR CONCENTRATED DRAINAGE SHALL BE CONTAINED ON SITE OR DIRECTED TO AN APPROVED DRAINAGE FACILITY. EROSION OF THE GROUND IN THE AREA OF DISCHARGE SHALL BE PREVENTED BY INSTALLATION OF NON-EROSIVE DOWN DRAINS OR OTHER DEVICES. DISCHARGING INTO A DOWN DRAIN.

INTERCEPTOR DRAINS. INTERCEPTOR DRAINS SHALL
BE INSTALLED ALONG THE TOP OF CUT SLOPES
RECEIVING DRAINAGE FROM A TRIBUTARY WIDTH
GREATER THAN 40 FEET (40°), MEASURED
HORIZONTALLY. THEY SHALL HAVE A MINIMUM DEPTH
OF ONE FOOT & A MINIMUM WIDTH OF THREE FEET SLOPE. THE DRAIN SHALL BE PAVED W/ CONCRETE ONE UNIT VERTICAL IN 50 UNITS HORIZONTAL (2%) (3'). THE SLOPE SHALL BE APPROVED BY THE BUILDING OFFICIAL, BUT SHALL BE NOT LESS THAN EXCEEDING 13,500 SQUARE FEET W/OUT

KEVIN PEAK APN 216-082-006 HUMBOLDT CO. CA, GRADED FLAT DRAWN BY: MJN
CHKD: A.M.B
DATE: 9/30/2021 FILL BENCHING

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