VENTURA COUNTY PUBLIC WORKS AGENCY

GENERAL GRADING NOTES:

1. GRADING ACTIVITIES SHALL BE IN ACCORDANCE WITH THE VENTURA COUNTY BUILDING CODE (VCBC) APPENDIX J - GRADING, LATEST EDITION AND VENTURA COUNTY PUBLIC WORKS AGENCY (VCPWA) GRADING PERMIT CONDITIONS.
2. THE GRADING PERMIT AND WORK SHOWN IN THESE PLANS IS VALID ONLY TO THE EXTENT OF THE VENTURA COUNTY BUILDING CODE APPENDIX J - GRADING. PERMITS OR PERMISSIONS THAT MAY BE REQUIRED BY OTHER REGULATORY AGENCIES OR INTERESTED PARTIES ARE THE RESPONSIBILITY OF THE PERMITTEE.
3. A PRE-CONSTRUCTION MEETING SHALL BE HELD AT THE SITE PRIOR TO ANY GRADING ACTIVITY OR LAND DISTURBANCES WITH THE FOLLOWING PARTIES PRESENT: OWNER, GRADING CONTRACTOR, DESIGN CIVIL ENGINEER, GEOTECHNICAL ENGINEERING PROFESSIONAL, GEOLOGICAL PROFESSIONAL, VCPWA INSPECTOR, AND OTHER JURISDICTIONAL AGENCIES WHEN REQUIRED.
4. HEAVY EQUIPMENT NOISE SHALL NOT BEGIN UNTIL AFTER 7:00 A.M AND SHALL END BY 7:00 P.M. SAMEDAY. NO WORK BEYOND 4:30 PM UNLESS APPROVED BY VCPWA.
5. TOTAL TRUCK ROUND TRIPS FOR THE GRADING OPERATIONS CARRYING EARTH MATERIALS SHALL NOT EXCEED 6 TRUCKS PER HOUR OR OCCUR DURING PEAK TRAFFIC HOURS - UNLESS AUTHORIZED TO DO SO UNDER AN APPROVED DISCRETIONARY GRADING PERMIT AND APPROVAL BY VCPWA GRADING INSPECTOR. TRUCK TRAFFIC SHALL NOT CREATE A SAFETY HAZARD FOR INGRESS OR EGRESS ROUTES SUCH AS TRUCK STAGING, CLOGGING TURN POCKETS, OR LINE OF SIGHT.
6. NO GRADING ACTIVITY SHALL OCCUR IN ANY WETLAND, BLUE-LINE STREAM, RED-LINE CHANNEL, OR FLOODPLAIN WITHOUT THE PROPER PERMITS & PERMISSION FROM THE VCPWA & VENTURA COUNTY RESOURCE MANAGEMENT AGENCY (RMA), OR OTHER AUTHORITIES HAVING JURISDICTION.
7. RETAINING WALLS, BRIDGES, AND OTHER STRUCTURES REQUIRE A SEPARATE PERMIT FROM BUILDING AND SAFETY.
8. ALL RECOMMENDATIONS MADE BY THE GEOTECHNICAL ENGINEERING PROFESSIONAL (AND GEOLOGICAL PROFESSIONAL, WHERE EMPLOYED) CONTAINED IN THE REPORTS AS APPROVED BY VCPWA SHALL BE A PART OF THIS GRADING PLAN.
9. ALL DISTURBED SURFACES SUBJECT TO EROSION SHALL BE PROTECTED IN ACCORDANCE WITH THE VENTURA COUNTYWIDE MUNICIPAL STORMWATER NPDES PERMIT. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED FULLY FUNCTIONAL.
10. ALL UNSUITABLE MATERIAL, I.E. LUMBER, LOGS, BRUSH, COMPRESSIBLE SOILS, OR ANY ORGANIC MATERIALS OR RUBBISH, SHALL BE REMOVED AS REQUIRED BY THE GEOTECHNICAL ENGINEERING PROFESSIONAL AND/OR GEOLOGICAL PROFESSIONAL FROM ALL AREAS TO RECEIVE FILL.
11. ALL AREAS TO RECEIVE FILL SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEERING PROFESSIONAL (AND GEOLOGICAL PROFESSIONAL WHERE EMPLOYED) AND VCPWA INSPECTOR AFTER REMOVAL OF UNSUITABLE MATERIAL AND EXCAVATION OF KEYWAYS AND BENCHES, AND PRIOR TO PLACEMENT OF SUBSURFACE DRAINAGE SYSTEMS OR FILL.
12. ALL MATERIALS DEEMED UNSUITABLE FOR PLACEMENT IN COMPACTED FILL SHALL BE REMOVED FROM THE SITE. MATERIALS SUCH AS CONSTRUCTION INERT DEBRIS, OR IMPORTED MATERIALS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEERING PROFESSIONAL AND VCPWA GRADING INSPECTOR PRIOR TO USE IN COMPACTED FILL. WHERE EXCAVATED MATERIAL IS LARGER THAN TWELVE INCHES IN LARGEST DIMENSION, IT MUST BE BROKEN INTO SMALLER PARTICLE SIZES, BEFORE BEING USED AS FILL.
13. THE GEOTECHNICAL ENGINEERING PROFESSIONAL SHALL DIRECT THE REMOVAL OF ANY EXISTING UNDERGROUND STRUCTURES SUCH AS SEPTIC TANKS, IRRIGATION LINES, ETC.
14. ANY WATER WELL LOCATED WITHIN THE AREA OF DISTURBANCE SHALL BE REPORTED TO VCPWA, WATERSHED PROTECTION, WATER RESOURCES DIVISION, PRIOR TO ITS MODIFICATION, ABANDONMENT, OR DESTRUCTION.
15. ANY OIL WELL LOCATED WITHIN THE AREA OF DISTURBANCE SHALL BE REPORTED TO THE STATE OF CALIFORNIA, GEOLOGIC ENERGY MANAGEMENT DIVISION PRIOR TO ITS MODIFICATION, ABANDONMENT, OR DESTRUCTION.
16. ALL TEMPORARY EXCAVATIONS AND KEYS FOR BUTTRESS OR STABILIZATION FILLS MUST BE EXAMINED BY THE GEOLOGICAL PROFESSIONAL, GEOTECHNICAL ENGINEERING PROFESSIONAL, AND VCPWA INSPECTOR TO ENSURE THAT ALL POTENTIAL PLANES OF FAILURE HAVE BEEN EXPOSED IN THE EXCAVATION AND WILL BE ADEQUATELY SUPPORTED BY THE PROPOSED BUTTRESS. FIELD CERTIFICATION MUST BE SUBMITTED BY THE CONSULTANTS PRIOR TO PLACING FILL.
17. THE GEOTECHNICAL ENGINEERING PROFESSIONAL (AND GEOLOGICAL PROFESSIONAL,WHERE EMPLOYED) SHALL PROVIDE RECOMMENDATIONS AND APPROVE CORRECTIVE WORK TO ENSURE SLOPE STABILITY WHERE UNSTABLE MATERIAL IS EXPOSED.
18. THE USE OF CORRUGATED STEEL PIPE IS NOT ALLOWED IN ANY COUNTY RIGHTS OF WAY. THE USE OF CORRUGATED STEEL PIPE ON PRIVATE PROPERTY SHOULD BE MINIMIZED. HOWEVER, IF USED SHOULD BE COATED TO MINIMIZE CORROSION AND EXTEND USEFUL SERVICE LIFE.
19. PRIOR TO ANY CLEARANCES FOR BUILDING AND SAFETY PERMIT ISSUANCE OR INSPECTION, THE FOLLOWING ITEMS SHALL BE APPROVED BY VCPWA:
    A. ALL ROUTINE INSPECTION REPORTS AS REQUIRED BY VCBC OR OTHERWISE REQUESTED BY BUILDING OFFICIAL;
    B. ROUGH GRADE SOILS ENGINEERING (AND ENGINEERING GEOLOGY, IF APPLICABLE) REPORTS SUMMARIZING ALL EARTHWORK PERFORMED AND CONCLUDING THAT THE WORK HAS BEEN COMPLETED ACCORDING TO THE APPROVED REPORTS.
20. FINAL SOILS ENGINEERING AND (IF APPLICABLE) ENGINEERING GEOLOGY REPORTS SUMMARIZING ALL EARTHWORK PERFORMED SINCE ROUGH GRADING AND CONCLUDING THAT THE WORK HAS BEEN COMPLETED ACCORDING TO THE APPROVED REPORTS SHALL BE SUBMITTED WITH THE AS-BUILT PLANS (RECORD DRAWING) TO VCPWA PRIOR TO FINAL INSPECTION BY THE VCPWA INSPECTOR.

EARTHWORK QUANTITIES

CUT: _____ CU. YDS. EXPORT: _____CU. YDS. DISPOSAL SITE _____

FILL: _____ CU. YDS IMPORT: _____ CU. YDS SOURCE _____

THIS PROJECT INCLUDES POST CONSTRUCTION BMP'S _____ YES _____ NO

THE TOTAL ESTIMATED DISTURBED AREA OF GRADING AND CONSTRUCTION IS _____ ACRES. PROJECTS THAT ARE 1.0 ACRE OR GREATER IN DISTURBED AREA WILL REQUIRE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND NOTICE OF INTENT (NOI) AS APPROVED BY THE STATE REGIONAL WATER QUALITY CONTROL BOARD AS DESCRIBED ABOVE.

AVERAGE NATURAL SLOPE IN THE AREA OF GRADING _____% (CALCULATED PER VCBC SECTION J102.1)

THE TOTAL AMOUNT OF IMPERVIOUS AREA TO BE CONSTRUCTED AS PART OF THIS PROJECT IS _____SQ. FT.

ADVISORY: THE PLANTING OF NATIVE VEGETATION IS RECOMMENDED ON ALL GRADED SLOPES. PLEASE VISIT THE VENTURA COUNTY PUBLIC WORKS WEBSITE AT https://www.vcpublicworks.org/es/developmentinspection FOR A MEMORANDUM BY THE VENTURA COUNTY WATERSHED PROTECTION THAT PROVIDES INFORMATION FOR SEEDING GRADED AREAS.

LAND DEVELOPMENT SERVICES MUST BE NOTIFIED TEN (10) WORKING DAYS PRIOR TO ANY EXPORT/IMPORT TO/FROM THE PROJECT SITE.

PERMITS

VENTURA COUNTY PWA - ROADS & TRANSPORTATION
ENCROACHMENT PERMIT NO.

_____ _____ DATE _____

VENTURA COUNTY PWA - WATERSHED PROTECTION
WATERCOURSE PERMIT NO.

_____ DATE _____

CALTRANS
ENCROACHMENT PERMIT NO.

_____ _____ DATE _____

VENTURA COUNTY PWA - LAND DEVELOPMENT SERVICES
FLOODPLAIN DEVELOPMENT PERMIT NO.

_____ DATE _____

ENGINEERED GRADING INSPECTION CERTIFICATES

JOB ADDRESS OR LOT AND TRACT NO: _____

_____

ROUGH GRADING CERTIFICATION

(A) BY GEOTECHNICAL ENGINEERING PROFESSIONAL

I CERTIFY THAT THE ROUGH GRADING WORK INCORPORATES ALL RECOMMENDATIONS CONTAINED IN THE REPORT OR REPORTS FOR WHICH I AM RESPONSIBLE AND ALL RECOMMENDATIONS THAT I HAVE MADE BASED ON FIELD INSPECTION OF THE WORK AND TESTING DURING GRADING. I FURTHER CERTIFY THAT WHERE THE REPORTS OF A GEOLOGICAL PROFESSIONAL, RELATIVE TO THIS SITE, HAVE RECOMMENDED THE INSTALLATION OF BUTTRESS FILLS OR OTHER SIMILAR STABILIZATION MEASURES, SUCH EARTHWORK CONSTRUCTION HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED DESIGN.

LOT NOS:_____

SEE REPORTS DATED: _____

FOR TEST DATA, RECOMMENDED ALLOWABLE SOIL BEARING VALUES & OTHER SPECIAL RECOMMENDATIONS.

GEOTECHNICAL ENGINEERING PROFESSIONAL _____ REG. NO _____ DATE _____
(SIGNATURE)

SEAL

(B) BY GEOLOGICAL PROFESSIONAL

I CERTIFY THAT THE ROUGH GRADING WORK INCORPORATES ALL OF THE RECOMMENDATIONS CONTAINED IN THE REPORT OR REPORTS FOR WHICH I AM RESPONSIBLE AND ALL RECOMMENDATIONS THAT I HAVE MADE BASED ON FIELD INSPECTION OF THE WORK DURING GRADING.

LOT NOS: _____

GEOLOGICAL PROFESSIONAL _____ CERT. NO. _____ DATE _____
(SIGNATURE)

SEAL

(C) BY CIVIL ENGINEER

I CERTIFY TO THE SATISFACTORY COMPLETION OF ROUGH GRADING INCLUDING GRADING TO APPROXIMATE FINAL ELEVATIONS; PROPERTY LINES LOCATED AND STAKED, CUT AND FILL SLOPES CORRECTLY GRADED AND LOCATED IN ACCORDANCE WITH THE APPROVED DESIGN; SWALES AND TERRACES GRADED READY FOR PAVING; BERMS INSTALLED; AND REQUIRED DRAINAGE SLOPES PROVIDED ON THE BUILDING PADS. I FURTHER CERTIFY THAT WHERE REPORT OR REPORTS OF A GEOLOGICAL PROFESSIONAL AND/OR GEOTECHNICAL ENGINEERING PROFESSIONAL HAVE BEEN PREPARED RELATIVE TO THIS SITE, THE RECOMMENDATIONS CONTAINED IN SUCH REPORTS HAVE BEEN INCORPORATED IN THE DESIGN.

LOT NOS: _____

CIVIL ENGINEER _____ REG. NO. _____ DATE _____
(SIGNATURE)

SEAL

FINAL GRADING CERTIFICATION

BY CIVIL ENGINEER

I CERTIFY TO THE SATISFACTORY COMPLETION OF GRADING IN ACCORDANCE WITH THE APPROVED PLANS. ALL DRAINAGE DEVICES REQUIRED BY THE GRADING PERMIT, GRADING PLANS AND GRADING ORDINANCE HAVE BEEN INSTALLED. EROSION TREATMENT OF SLOPES AND IRRIGATION SYSTEMS (WHERE REQUIRED) HAVE BEEN INSTALLED. ADEQUATE PROVISIONS HAVE BEEN MADE FOR DRAINAGE OF SURFACE WATERS FROM EACH BUILDING SITE AS OF THIS DATE.

LOT NOS:_____

CIVIL ENGINEER _____ REG. NO. _____ DATE _____
(SIGNATURE)

SEAL

GRADING CONTRACTOR CERTIFICATION

BY GRADING CONTRACTOR

I CERTIFY THAT THE GRADING WAS DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, THE GRADING ORDINANCE, AND THE RECOMMENDATIONS OF THE CIVIL ENGINEER, GEOTECHNICAL ENGINEERINGING PROFESSIONAL AND GEOLOGICAL PROFESSIONAL IT IS UNDERSTOOD THAT THIS CERTIFICATION INCLUDES ONLY THOSE ASPECTS OF THE WORK THAT CAN BE DETERMINED BY ME, AS A COMPETENT GRADING CONTRACTOR, WITHOUT SPECIAL EQUIPMENT OR PROFESSIONAL SKILLS.

GRADING CONTRACTOR _____ LICENSE NO. _____ DATE _____
(SIGNATURE)

INSTRUCTIONS: THE OWNER MAY SIGN IF THE GRADING WAS NOT DONE BY A LICENSED GRADING CONTRACTOR.

GENERAL STORMWATER NOTES:

THE LEGALLY RESPONSIBLE PERSON OF ANY PROPERTY IN WHICH GRADING ACTIVITIES OR OTHER SOIL DISTURBANCE ACTIVITIES ARE PERFORMED, INCLUDING PERMITTEE, SHALL COMPLY WITH THE LATEST AND APPLICABLE NPDES REQUIREMENTS. EFFECTIVE COMBINATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE INSTALLED BEFORE GRADING BEGINS. DURING GRADING ACTIVITIES, ALL BMP'S SHALL BE UPDATED AS NECESSARY TO PREVENT EROSION AND ANY ILLICIT DISCHARGE OF CONSTRUCTION RELATED POLLUTANTS. EROSION CONTROL BMP'S ARE LISTED ON COUNTY FORMS SW-1, SW-2, OR SW-HR.

1. **GENERAL CONSTRUCTION PERMIT.** PROJECTS THAT CAUSE SOIL DISTURBANCE OF ONE ACRE OR MORE, OR THAT ARE PART OF A COMMON PLAN OF DEVELOPMENT OR SALE THAT CAUSE SOIL DISTURBANCE OF ONE ACRE OR MORE ARE REQUIRED TO OBTAIN COVERAGE UNDER NPDES CALIFORNIA STATEWIDE GENERAL CONSTRUCTION PERMIT NO. CAS000002, AS A NUMBER ASSIGNED TO THE PROJECT BY THE STATE WATER RESOURCES CONTROL BOARD, COMPLETED AND SIGNED NOTICE OF INTENT (NOI) AND PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE SUBMITTED AND IMPLEMENTED DURING ALL GRADING ACTIVITIES.
2. **COUNTY'S STORM DRAIN SYSTEM.** ILLICIT DISCHARGES INTO THE COUNTY'S STORM DRAIN SYSTEM AS A RESULT OF GRADING, CLEARING, CONSTRUCTION, DEMOLITION, AND OTHER SOIL DISTURBANCE ACTIVITIES ARE PROHIBITED.
3. **INSPECTIONS.** EROSION CONTROL AND PERMANENT STORMWATER TREATMENT BMP'S ARE SUBJECT TO INSPECTIONS AS REQUIRED BY THE PERMIT ORDER NO. R4-2010-0108, AS AMENDED FROM TIME TO TIME.
4. **PUMPED WATER DISCHARGES.** DISCHARGES OF PUMPED GROUND WATER REQUIRE A DISCHARGE PERMIT FROM THE STATE OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD (RWQCB).
5. **SANITARY FACILITIES.** PORTABLE SANITARY FACILITIES SHALL BE LOCATED ON RELATIVELY LEVEL GROUND AWAY FROM TRAFFIC AREAS, DRAINAGE COURSES, AND STORM DRAIN INLETS.
6. **EMERGENCY WORK.** A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (OCTOBER 1ST TO APRIL 15TH). NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.

PROJECT BMP'S

THE FOLLOWING BMPS AS OUTLINED IN, BUT NOT LIMITED TO, THE LATEST EDITION OF THE CASQA CONSTRUCTION BMP ONLINE HANDBOOK MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE PROJECT ENGINEER, QUALIFIED SWPP DEVELOPER, PRACTITIONER OR THE BUILDING OFFICIAL). CERTAIN BMP'S ARE REQUIRED AS PART OF THE STORMWATER FORMS SW-1, SW-2 AND SW-HR. THE APPLICANT IS RESPONSIBLE FOR ENSURING THAT THE BMP'S LISTED HEREON MATCH THE APPROVED STORMWATER FORMS ON FILE AND ARE IMPLEMENTED AND MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION. THE INSPECTOR OR BUILDING OFFICIAL MAY PERFORM UNANNOUNCED SITE INSPECTIONS TO ENSURE THAT THE PROJECT MAINTAINS THE BMP'S AS LISTED BELOW.

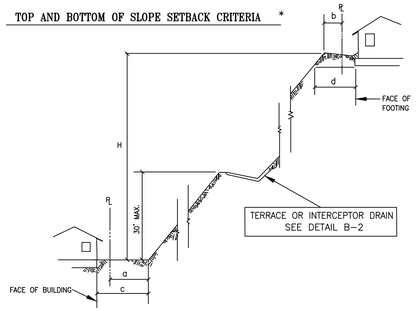
BMP DESCRIPTIONS AND DETAILS CAN BE OBTAINED FROM THE CALIFORNIA STORMWATER HANDBOOKS AT WWW.CASQA.ORG

COMPLETE CHECKLIST BELOW FOR APPLICABLE PROJECT BMP'S

	EROSION CONTROL
	EC1 – SCHEDULING
	EC2 – PRESERVATION EXISTING VEGETATION
	EC3 – HYDRAULIC MULCH
	EC4 – HYDROSEEDING
	EC5 – SOIL BINDERS
	EC6 – STRAW MULCH
	EC7 – GEOTEXTILES & MATS
	EC8 – WOOD MULCHING
	EC9 – EARTH DIKES & DRAINAGE SWALES
	EC10 – VELOCITY DISSIPATION DEV.
	EC11 – SLOPE DRAINS
	EC12 – STREAMBANK STABILIZATION
	EC14 – COMPOST BLANKETS
	EC15 – SOIL PREPARATION/ROUGHENING
	EC16 – NON-VEGETATED STABILIZATION
	TEMPORARY SEDIMENT CONTROL
	SE1 – SILT FENCE
	SE2 – SEDIMENT BASIN
	SE3 – SEDIMENT TRAP
	SE4 – CHECK DAM
	SE5 – FIBER ROLLS
	SE6 – GRAVEL BAG BERM
	SE7 – STREET SWEEPING AND VACUUMING
	SE8 – SANDBAG BARRIER
	SE9 – STRAW BALE BARRIER
	SE10 – STORM DRAIN INLET PROTECTION
	SE11 – ACTIVE TREATMENT SYSTEMS
	SE12 – TEMPORARY SILT DIKE
	SE13 – COMPOST SOCKS & BERMS
	SE14 – BIOFILTER BAGS
	WIND EROSION CONTROL
	WE1 – WIND EROSION CONTROL
	EQUIPMENT TRACKING
	TC1 – STABILIZED CONSTRUCTION ENTRANCE EXIT
	TC2 – STABILIZED CONSTRUCTION ROADWAY
	TC3 – ENTRANCE/OUTLET TIRE WASH

	NON-STORMWATER MANAGEMENT
	NS1 – WATER CONSERVATION PRACTICES
	NS2 – DEWATERING OPERATIONS
	NS3 – PAVING & GRINDING OPERATIONS
	NS4 – TEMPORARY STREAM CROSSING
	NS5 – CLEAR WATER DIVERSION
	NS6 – ILLICIT CONNECTION/DISCHARGE
	NS7 – POTABLE WATER/IRRIGATION
	NS8 – VEHICLE & EQUIPMENT CLEANING
	NS9 – VEHICLE & EQUIPMENT FUELING
	NS10 – VEHICLE & EQUIPMENT MAINTENANCE
	NS11 – PILE DRIVING OPERATIONS
	NS12 – CONCRETE CURING
	NS13 – CONCRETE FINISHING
	NS14 – MATERIAL & EQUIPMENT USE
	NS15 – DEMOLITION ADJACENT TO WATER
	NS16 – TEMPORARY BATCH PLANTS
	WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL
	WM1 – MATERIAL DELIVERY & STORAGE
	WM2 – MATERIAL USE
	WM3 – STOCKPILE MANAGEMENT
	WM4 – SPILL PREVENTION & CONTROL
	WM5 – SOLID WASTE MANAGEMENT
	WM6 – HAZARDOUS WASTE MANAGEMENT
	WM7 – CONTAMINATION SOIL MANAGEMENT
	WM8 – CONCRETE WASTE MANAGEMENT
	WM9 – SANITARY/SEPTIC WASTE MANAGEMENT
	WM10 – LIQUID WASTE MANAGEMENT
	ADDITIONAL BMP'S SELECTED

TOP AND BOTTOM OF SLOPE SETBACK CRITERIA *



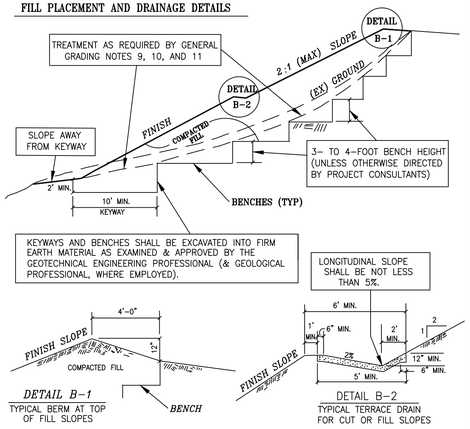
H (IN FEET)	a	b	c	d
ANY HEIGHT	(H/2)' 2' MIN 20' MAX	(H/5)' 3' MIN 10' MAX	(H/2)' 15' MAX	(H/3)' 40' MAX

* FROM CBC SEC. 1808.7 AND VCBC APPENDIX J – SEC. J109

PL (SITE BOUNDARY)

TYPICAL DETAIL A
NTS

FILL PLACEMENT AND DRAINAGE DETAILS



1) TERRACE DRAINS, INTERCEPTOR DRAINS & DOWNDRAINS SHALL BE CONSTRUCTED OF MINIMUM 3" CONCRETE OR GUNITE REINFORCED WITH 6x6–W1.4XW1.4 WELDED WIRE FABRIC.

2) FOR INTERCEPTOR DRAIN AT TOP OF CUT SLOPES AND DOWN DRAINS, MINIMUM WIDTH OF 3 FEET.

TYPICAL DETAIL B
NTS

SHEET NO.	SHEET TITLE
1	GRADING PLAN COVER SHEET
2	XXX
3	XXX
X	XXX

WDID:_____ APN:_____ GP_____

LOCATION & VICINITY MAP

GATE CODE _____

APPROVAL BY CONSULTANTS

THIS GRADING PLAN IS ACCEPTABLE IN REGARD TO GEOTECHNICAL (AND GEOLOGICAL - IF APPLICABLE) CONDITIONS AND CONFORMS TO THE RECOMMENDATION OF THE SUPPORTIVE REPORT(S) DATED:

GEOTECHNICAL ENGINEERING REPORTS: _____ 20_____

_____ [COMPANY NAME]
(GEOTECHNICAL PROFESSIONAL SIGNATURE) [COMPANY ADDRESS]
[COMPANY PHONE NUMBER]
_____ _____ [COMPANY EMAIL]
(PRINT NAME) (RCE/GE NO.)

GEOLOGICAL REPORTS: _____ 20_____

_____ [COMPANY NAME]
(GEOLOGICAL PROFESSIONAL SIGNATURE) [COMPANY ADDRESS]
[COMPANY PHONE NUMBER]
_____ _____ [COMPANY EMAIL]
(PRINT NAME) CERT. NO.

I HEREBY STATE THAT THESE PLANS ARE IN COMPLIANCE WITH THE ADOPTED COUNTY STANDARDS, AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN THE PROFESSIONAL ENGINEERS ACT. I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS BY THE COUNTY OF VENTURA IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF RECORD, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

_____ [COMPANY NAME]
(CIVIL ENGINEER SIGNATURE) [COMPANY ADDRESS]
[COMPANY PHONE NUMBER]
_____ _____ [COMPANY EMAIL]
(PRINT NAME) (RCE NO.)

OWNER/APPLICANT

OWNER / APPLICANT NAME
OWNER / APPLICANT ADDRESS
OWNER / APPLICANT PHONE NUMBER
OWNER / APPLICANT EMAIL

BENCH MARK DATA

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TOPOGRAPHY DATA

[TOPO SOURCE COMPANY WITH COMPLETE ADDRESS]
[TOPO SOURCE METHOD (ie. ALTA, PHOTO, FIELD, ETC.)]
[TOPO SOURCE DATE]

811 Know what's below. Call before you dig.

	DESCRIPTION OF REVISION	RCE	DATE	APP.	APP. DATE
4					
3					
2					
1					
0					

REV. DEC 2020

PLAN DATE: MM/DD/YYYY

APPROVED FOR GRADING & DRAINAGE IMPROVEMENTS:

_____ _____
LAND DEVELOPMENT SERVICES DATE
ENGINEERING SERVICES
VENTURA COUNTY PUBLIC WORKS AGENCY

VENTURA COUNTY
PUBLIC WORKS AGENCY
LAND DEVELOPMENT SERVICES

SPEC. NO. _____
PROJ. NO. _____

GRADING PLAN COVER SHEET
[PROJECT NAME]
[PROJECT ADDRESS(ES)]

SHEET _____
OF _____
VCPWA DRAWING NO. _____