

EROSION CONTROL NOTES

- ALL BUILDING PADS TO BE DIKED AND THE DIKES MAINTAINED TO PREVENT WATER FROM FLOWING FROM THE PAD UNTIL THE STREETS AND DRIVEWAYS ARE PAVED AND WATER CAN FLOW FROM THE PADS WITHOUT CAUSING EROSION, OR CONSTRUCT DRAINAGE FACILITIES TO THE SATISFACTION OF THE CITY OF DEL MAR THAT WILL ALLOW WATER TO DRAIN FROM THE PAD WITHOUT CAUSING EROSION.
- TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.
- MANUFACTURED SLOPES AND PADS SHALL BE ROUNDED VERTICALLY AND HORIZONTALLY AS APPROPRIATE TO BLEND WITH THE SURROUNDING TOPOGRAPHY.
- AS SOON AS CUTS OR EMBANKMENTS ARE COMPLETED, BUT NOT LATER THAN OCTOBER 1 ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITH A HYDROMULCH MIXTURE OR AN EQUAL TREATMENT APPROVED BY THE CITY OF DEL MAR BETWEEN OCTOBER 1 AND APRIL 30. APPROVED SLOPE PROTECTION MEASURES SHALL PROCEED IMMEDIATELY BEHIND THE EXPOSURE OF CUT SLOPES AND/OR THE CREATION OF EMBANKMENT SLOPES.
- CATCH BASINS, DESILTING BASINS AND STORM DRAIN SYSTEM SHALL BE INSTALLED TO THE SATISFACTION OF THE CITY OF DEL MAR.
- GRAVEL BAG CHECK DAMS TO BE PLACED IN A MANNER APPROVED BY THE CITY OF DEL MAR IN UNPAVED STREETS WITH GRADIENTS IN EXCESS OF 2% AND ON OR IN OTHER GRADED OR EXCAVATED AREAS AS REQUIRED BY THE CITY OF DEL MAR.
- THE DEVELOPER TO MAINTAIN THE PLANTING AND EROSION CONTROL MEASURES DESCRIBED ABOVE UNTIL RELIEVED OF THE SAME BY THE CITY OF DEL MAR. THE DEVELOPER TO REMOVE ALL SOIL INTERCEPTED BY THE GRAVEL BAGS, CATCH BASINS AND DESILTING BASINS AND KEEP THESE FACILITIES CLEAN AND FREE OF SILT AND SAND AS DIRECTED BY THE CITY OF DEL MAR. THE DEVELOPER SHALL REPAIR ANY ERODED SLOPES AS DIRECTED BY THE CITY OF DEL MAR.

SILTATION AND SEDIMENT CONTROL MEASURES NOTES:

- THE SEDIMENT BASINS SHALL BE PROVIDED AT THE LOWER END OF EVERY DRAINAGE AREA PRODUCING SEDIMENT RUNOFF. THE BASINS SHALL BE MAINTAINED AND CLEANED TO DESIGN CONTOURS AFTER EVERY RUNOFF PRODUCING STORM. THE BASINS SHOULD BE SEMI-PERMANENT STRUCTURES THAT WOULD REMAIN UNTIL SOIL STABILIZING VEGETATION HAS BECOME WELL ESTABLISHED ON ALL ERODIBLE SLOPES.
- SEDIMENTATION BASINS MAY NOT BE REMOVED OR MADE INOPERATIVE WITHOUT PRIOR APPROVAL OF THE CITY ENGINEER.
- SEWER OR STORM DRAIN TRENCHES THAT ARE CUT THROUGH BASIN DIKES OR BASIN INLET DIKES SHALL BE PLUGGED WITH GRAVEL BAGS FROM TOP OF PIPE TO TOP OF DIKE.
- ALL UTILITY TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS WITH A DOUBLE ROW OF GRAVEL BAGS WITH A TOP ELEVATION TWO GRAVEL BAGS BELOW THE GRADED SURFACE OF THE STREET. GRAVEL BAGS ARE TO BE PLACED WITH LAPPED COURSES. THE INTERVALS PRESCRIBED BETWEEN GRAVEL BAG BLOCKING SHALL DEPEND ON THE SLOPE OF THE GROUND SURFACE BUT NOT TO EXCEED THE FOLLOWING:

GRADE OF THE STREET	INTERVAL
LESS THAN 2%	AS REQUIRED
2% TO 4%	100 FEET
4% TO 10%	50 FEET
OVER 10%	25 FEET

- AFTER SEWER UTILITY TRENCHES ARE BACKFILLED AND COMPACTED, THE SURFACES OVER SUCH TRENCHES SHALL BE MOUNDED SLIGHTLY TO PREVENT CHANNELING OF WATER IN THE TRENCH AREA. CARE SHOULD BE EXERCISED TO PROVIDE FOR CROSS FLOW AT FREQUENT INTERVALS WHERE TRENCHES ARE NOT ON THE CENTERLINE OF A CROWNED STREET.
- ALL BUILDING PADS SHOULD BE SLOPED TOWARDS THE DRIVEWAYS AND VELOCITY CHECK DAMS PROVIDED AT THE BASE OF ALL DRIVEWAYS DRAINING INTO THE STREET.
- PROVIDE VELOCITY CHECK DAMS IN ALL UNPAVED GRADED CHANNELS AT THE INTERVALS INDICATED BELOW:

GRADE OF CHANNEL	INTERVALS BETWEEN CHECK DAMS
LESS THAN 3%	100 FEET
3% TO 6%	50 FEET
OVER 6%	25 FEET

- PROVIDE VELOCITY CHECK DAMS IN ALL PAVED STREET AREAS ACCORDING TO RECOMMENDED CRITERIA INDICATED ON THE ENCLOSED GRAPH ENTITLED "GRAVEL BAG BARRIER SPACING FOR EROSION CONTROL IN GRADED STREETS". VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF GRAVEL BAGS, TIMBER, OR OTHER EROSION RESISTANT MATERIALS APPROVED BY THE CITY ENGINEER, AND SHALL EXTEND COMPLETELY ACROSS THE STREET OR CHANNEL AT RIGHT ANGLES TO THE CENTERLINE. VELOCITY CHECK DAMS MAY ALSO SERVE AS SEDIMENT TRAPS.
- PROVIDE A GRAVEL BAG SILT BASIN OR TRAP BY EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING DRAIN SYSTEM.
- GRAVEL BAGS AND FILL MATERIAL SHALL BE STOCKPILED AT INTERVALS, READY FOR USE WHEN REQUIRED.
- ALL EROSION CONTROL DEVICES WITHIN THE DEVELOPMENT SHOULD BE MAINTAINED DURING AND AFTER EVERY RUNOFF PRODUCING STORM, IF POSSIBLE. MAINTENANCE CREWS WOULD BE REQUIRED TO HAVE ACCESS TO ALL AREAS.
- PROVIDE ROCK RIPRAP ON CURVES AND STEEP DROPS IN ALL EROSION PRONE DRAINAGE CHANNELS DOWNSTREAM FROM THE DEVELOPMENT. THIS PROTECTION WOULD REDUCE EROSION CAUSED BY THE INCREASED FLOWS THAT MAY BE ANTICIPATED FROM DENUEDED SLOPES, OR FROM IMPERVIOUS SURFACES.

- ANY PROPOSED ALTERNATE CONTROL MEASURES MUST BE APPROVED IN ADVANCE BY ALL RESPONSIBLE CITY AGENCIES.

- ADDITIONAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS NECESSARY TO ENSURE THAT ON-SITE SEDIMENT IS NOT TRANSPORTED OFF SITE.

STORMWATER PROTECTION NOTES:

- DURING THE RAINY SEASON THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED THAT WHICH CAN BE ADEQUATELY PROTECTED BY THE PROPERTY OWNER IN THE EVENT OF A RAINSTORM. 125% OF ALL SUPPLIES NEEDED FOR BMP MEASURES SHALL BE RETAINED ON THE JOB SITE IN A MANNER THAT ALLOWS FULL DEPLOYMENT AND COMPLETE INSTALLATION IN 48 HOURS OR LESS OF A FORECAST RAIN.
- NO AREA BEING DISTURBED SHALL EXCEED 50 ACRES AT ANY GIVEN TIME WITHOUT DEMONSTRATING TO THE CITY OF DEL MAR'S SATISFACTION THAT ADEQUATE EROSION AND SEDIMENT CONTROL CAN BE MAINTAINED. ANY DISTURBED AREA THAT IS NOT ACTIVELY GRADED FOR 15 DAYS MUST BE FULLY PROTECTED FROM EROSION. UNTIL ADEQUATE LONG-TERM PROTECTIONS ARE INSTALLED, THE DISTURBED AREA SHALL BE INCLUDED WHEN CALCULATING THE ACTIVE DISTURBANCE AREA. ALL EROSION CONTROL MEASURES SHALL REMAIN INSTALLED AND MAINTAINED DURING ANY INACTIVE PERIOD.
- THE PROPERTY OWNER IS OBLIGATED TO INSURE COMPLIANCE WITH ALL APPLICABLE STORMWATER REGULATIONS AT ALL TIMES. THE BMP'S (BEST MANAGEMENT PRACTICES) THAT HAVE BEEN INCORPORATED INTO THIS PLAN SHALL BE IMPLEMENTED AND MAINTAINED TO EFFECTIVELY PREVENT THE POTENTIALLY NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORMWATER QUALITY. THE MAINTENANCE OF THE BMP'S IS THE PERMITTEE'S RESPONSIBILITY, AND FAILURE TO PROPERLY INSTALL OR MAINTAIN THE BMP'S MAY RESULT IN ENFORCEMENT ACTION BY THE CITY OF DEL MAR OR OTHERS. IF INSTALLED BMP'S FAIL, THEY MUST BE REPAIRED OR REPLACED WITH AN ACCEPTABLE ALTERNATE WITHIN 24 HOURS, OR AS SOON AS SAFE TO DO SO.

- ON PROJECTS OF GREATER THAN 1 ACRE ADD THE FOLLOWING NOTE: A NOTICE OF INTENT (NOI) HAS BEEN, OR WILL BE FILED WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) AND THAT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN OR WILL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF CALIFORNIA GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (PERMIT NO. CAS00002) FOR ALL OPERATIONS ASSOCIATED WITH THESE PLANS. THE NOI NUMBER ASSIGNED BY SWRCB FOR THIS PROJECT IS [WDID#] [ALTERNATIVE: NOT YET ASSIGNED, BUT WILL BE PROVIDED BEFORE A PERMIT IS ISSUED], THE PERMITTEE SHALL KEEP A COPY OF THE SWPPP ON SITE AND AVAILABLE FOR REVIEW BY CITY.

- BONDED FIBER MATRIX (BFM) - THE USE OF BFM IS SUBJECT TO THE FOLLOWING LIMITATIONS AND RESTRICTIONS:
  - APPLICATION RATES SHALL BE 3,500 POUNDS PER ACRE MINIMUM FOR 2:1 OR SHALLOWER SLOPES AND 4,000 POUNDS PER ACRE FOR SLOPES STEEPER THAN 2:1.
  - BFM SHALL BE APPLIED AT LEAST 24 HOURS BEFORE OR AFTER RAINFALL.
  - THE SITE MUST BE PROTECTED WITH BROW DITCHES AND/OR DIVERSION BERMS AT THE TOP OF SLOPES TO DIVERT FLOW FROM THE FACE OF THE SLOPE.
  - BFM SHALL BE APPLIED TO PROVIDE 100% COVERAGE (I.E.O. APPLICATION FROM MULTIPLE ANGLES).
  - FOR PERMANENT EROSION CONTROL PURPOSES, BFM MUST BE INSTALLED IN CONJUNCTION WITH SEEDED EROSION CONTROL VEGETATION.
  - A LETTER FROM THE HYDROSEED CONTRACTOR CERTIFYING THAT THE APPROVED APPLICATION RATES AND COVERAGE REQUIREMENTS SHALL BE SUBMITTED TO THE CITY INSPECTOR FOR APPROVAL.

- STABILIZED FIBER MATRIX (SFM) - THE USE OF SFM IS SUBJECT TO THE FOLLOWING LIMITATIONS AND RESTRICTIONS:
  - SFM MAY BE USED FOR TEMPORARY EROSION CONTROL FOR DISTURBED AREAS WITH A SLOPE RATIO OF 1 VERTICAL TO 2 HORIZONTAL OR SHALLOWER, INCLUDING PAD AND SEPTIC FIELD AREAS.
  - THE SFM SHALL BE APPLIED AT LEAST 24 HOURS BEFORE OR AFTER RAINFALL AND SHALL BE APPLIED TO PROVIDE 100% COVERAGE (I.E. APPLIED FORM MULTIPLE DIRECTIONS AND ANGLES).
  - THE APPLICATION AREA MUST BE PROTECTED BY BROW DITCHES AND OR DIVERSION BERMS AT THE TOP OF SLOPES TO DIVERT FLOW FROM THE FACE OF THE PROTECTED SLOPE.
  - FOR PERMANENT EROSION CONTROL PURPOSES, SFM MUST BE INSTALLED IN CONJUNCTION WITH SEEDED EROSION CONTROL VEGETATION OR HAND PLANTING. AS WITH ALL OTHER APPLICATIONS, SFM WILL NOT BE CONSIDERED PERMANENT UNTIL 70% VEGETATION ESTABLISHMENT.
  - COVERAGE AND CONCENTRATION: FOR EACH ACRE COVERED, THE MINIMUM APPLICATION VOLUME SHALL BE 10 GALLONS NON-TOXIC WATER-PERMEABLE SOIL-STABILIZING LIQUID EMULSION WITH 3,000 LBS. OF HYDRAULIC MULCH. THE EMULSION MUST BE DESIGNED TO PROTECT SOIL, PREVENT EROSION, AND FLOCCULATE (CLUMP) SEDIMENT.
  - A LETTER FROM THE HYDROSEED CONTRACTOR CERTIFYING THE SFM WAS INSTALLED IN ACCORDANCE WITH APPROVED APPLICATION RATES, COVERAGE, AND MANUFACTURER'S DILUTION RATIO SHALL BE SUBMITTED TO THE CITY OF DEL MAR INSPECTOR FOR APPROVAL.

- IF DISTURBED AREA IS GREATER THAN 1 ACRE ADD THE FOLLOWING NOTE: FLAT AREAS OF LESS THAN 5% (LIKE BUILDING PADS, PARKING AREAS, LEACH FIELDS) SHALL HAVE 100% PROTECTION USING GEOTEXTILES, MATS (SS-7 OR ESC20), OR OTHER MATERIAL APPROVED BY THE CITY OF DEL MAR FOR STABILIZING SLOPES, OR USING TRACKING AND SOIL STABILIZERS/BINDERS (SS-5), TEMPORARY SEEDING (SS-4), MULCH/WOOD CHIPS (SS-3, SS-5, SS-8), OR JUTE MATTING (SS-7). THE CITY OF DEL MAR MAY REDUCE THIS REQUIREMENT FOR FLAT AREAS PROVIDED FULL SEDIMENT CONTROL IS PROVIDED THROUGH CONSTRUCTED AND MAINTAINED DESILTATION BASINS (SC-2) AT ALL PROJECT DISCHARGE POINTS.

BENCHMARK

BASIS OF BEARINGS

GENERAL NOTES

- GRADING ORDINANCE. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE GRADING ORDINANCE OF THE CITY OF DEL MAR. UNLESS EXEMPTED, NO EARTHWORK SHALL BE PERFORMED PRIOR TO RECEIPT OF AN AUTHORIZED LAND CONSERVATION PERMIT AND GRADING PERMIT.
- BUILDING PERMIT. ONLY EARTHWORK AND THE CONSTRUCTION OF DRAINAGE FACILITIES ARE TO BE CONSTRUCTED BY THIS PLAN. A SEPARATE BUILDING PERMIT AND INSPECTION IS REQUIRED FOR THE CONSTRUCTION OF ALL STRUCTURES, INCLUDING RETAINING WALLS. A BUILDING PERMIT WILL NOT BE ISSUED UNTIL ROUGH GRADING HAS BEEN COMPLETED AND APPROVED.
- ENCROACHMENT PERMIT. AN ENCROACHMENT PERMIT SHALL BE OBTAINED FROM THE CITY OF DEL MAR, OFFICE OF THE CITY MANAGER, PRIOR TO PERFORMING ANY WORK WITHIN PUBLIC RIGHT-OF-WAY.
- PAD ELEVATION CERTIFICATION. PRIOR TO FINAL APPROVAL A LICENSED LAND SURVEYOR SHALL CERTIFY PAD ELEVATIONS AS SHOWN ON THE APPROVED GRADING PLAN.
- MINIMUM COMPACTION REQUIREMENTS. ALL FILL MATERIALS SHALL BE COMPACTED TO A MINIMUM OF 90 PERCENT DENSITY PER ASTM D-1557-64T UNLESS A HIGHER DENSITY IS SPECIFIED. A COMPACTION REPORT PREPARED BY A SOILS ENGINEER CERTIFYING THE COMPACTION OF ALL FILLS OVER 12 INCHES IN DEPTH SHALL BE FILED WITH THE CITY ENGINEER PRIOR TO APPROVAL OF ROUGH GRADING.
- SOILS REPORT AND CERTIFICATION. UNLESS SPECIFICALLY EXEMPTED BY THE CITY ENGINEER, ALL GRADING SHALL BE DONE UNDER THE OBSERVATION OF A QUALIFIED SOILS ENGINEER, AND SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS AND SPECIFICATIONS SET FORTH IN THE SOILS AND GEOLOGICAL REPORTS ENTITLED:

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 AS PREPARED BY: -----  
 AND DATED: ----- UNLESS SPECIFICALLY EXEMPTED BY THE CITY ENGINEER, FINISHED GRADING SHALL BE CERTIFIED BY A REGISTERED CIVIL/SOILS ENGINEER. FINISHED GRADING APPROVAL MUST BE OBTAINED PRIOR TO OCCUPANCY.

- MAXIMUM SLOPES:
  - CUT - 1.5:1 FOR SLOPES NOT GREATER THAN 5 FEET IN HEIGHT; 2:1 FOR SLOPES IN EXCESS OF 5 FEET IN HEIGHT
  - FILL - 2:1
 DEVIATIONS FROM THESE SLOPES LIMITS SHALL REQUIRE A PREPARATION OF A SOILS REPORT BY A SOILS ENGINEER.

- MINIMUM SLOPES. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE WITH A MINIMUM 2% SLOPE ON A FINISH GRADE UNLESS OTHERWISE SHOWN ON THE APPROVED GRADING PLAN.

- SLOPE ROUNDING. THE SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PRODUCE A CONTOURED TRANSITION FROM MANUFACTURED CUT OR FILL FACES TO THE TOPOGRAPHY OF THE NATURAL SURFACE.

- UTILITIES. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY UNDERGROUND SERVICE ALERT FOR UTILITY MARK-OUT PRIOR TO EXCAVATING.

- WORK HOURS. ALL OPERATIONS CONDUCTED ON PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00 A.M. AND 6:00 P.M. EACH DAY, MONDAY THROUGH FRIDAY, AND NO EARTH MOVING OR GRADING OPERATIONS SHALL BE CONDUCTED ON THE PREMISES ON SATURDAY, SUNDAY OR HOLIDAYS.

- ARCHAEOLOGICAL RESOURCES. IF ANY ARCHAEOLOGICAL RESOURCES ARE DISCOVERED ON THE SITE DURING GRADING OPERATIONS, SUCH OPERATIONS WILL CEASE IMMEDIATELY, AND THE PERMITTEE WILL NOTIFY THE CITY OF DEL MAR PLANNING DEPARTMENT OF THE DISCOVERY. GRADING OPERATIONS WILL NOT RECOMMENCE UNTIL THE PERMITTEE HAS RECEIVED WRITTEN AUTHORIZATION FROM THE CITY OF DEL MAR.

- SAFETY AND LIABILITY. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY OF DEL MAR AND ITS AGENTS, THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN THE CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

- TRAFFIC AND PEDESTRIAN CONTROL. THE CONTRACTOR AGREES THAT HE SHALL ASSUME COMPLETE AND SOLE RESPONSIBILITY FOR PROVISION AND MAINTENANCE OF ALL TRAFFIC AND PEDESTRIAN SAFETY, TRAFFIC AND PEDESTRIAN CONTROL SHALL CONFORM TO ALL CITY REQUIREMENTS, W.A.T.C.H. ENDORSED BY THE SAN DIEGO COUNTY REGIONAL STANDARD COMMITTEE, AND THE CALIFORNIA DEPARTMENT OF TRANSPORTATION MANUAL WORK OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE ZONES? LATEST EDITIONS.

- PROPERTY LINES. WHEN REQUESTED BY THE CITY OF DEL MAR, PROPERTY LINES SHALL BE LOCATED AND FLAGGED PRIOR TO AND DURING GRADING WORK.

- RESPONSIBILITY FOR DAMAGE. THE PERMITTEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PUBLIC OR PRIVATE PROPERTY OR IMPROVEMENTS. EXCAVATION SHALL NOT BE PERFORMED SO CLOSE AS TO ENDANGER ADJACENT PROPERTY. THE PERMITTEE SHALL ASSUME FULL RESPONSIBILITY FOR REPAIR OR CORRECTION OF ANY DAMAGE CAUSED TO EXISTING PROPERTY OR IMPROVEMENTS BY GRADING ACTIVITIES.

- LANDSCAPING. ALL SLOPES AND AREAS DISTURBED BY GRADING WHICH ARE NOT COVERED BY SURFACE IMPROVEMENTS SHALL BE PLANTED IN ACCORDANCE WITH LANDSCAPING AND IRRIGATION PLANS APPROVED BY THE CITY OF DEL MAR. LANDSCAPING AND IRRIGATION OF SLOPES SHALL BE COMPLETED PRIOR TO APPROVAL OF FINISH GRADING.

- COASTAL PERMIT. THE CALIFORNIA COASTAL COMMISSION HAS ISSUED PERMIT NO. \_\_\_\_\_ FOR THE WORK DESCRIBED ON THESE PLANS. ALL REQUIREMENTS AND CONDITIONS OF THE PERMIT SHALL BE OBSERVED DURING GRADING OPERATIONS.

- REVISIONS. REVISIONS TO APPROVED GRADING PLANS SHALL NOT BE MADE WITHOUT PRIOR WRITTEN AUTHORIZATION OF THE CITY ENGINEER.

- LAND CONSERVATION PERMIT. THE CITY OF DEL MAR DESIGN REVIEW BOARD HAS ISSUED LAND CONSERVATION PERMIT NO. \_\_\_\_\_ FOR THE WORK DESCRIBED ON THESE PLANS. ALL REQUIREMENTS AND CONDITIONS OF THE PERMIT SHALL BE OBSERVED DURING GRADING OPERATIONS.

- NUISANCE DRAINAGE. THE PROJECT SHALL NOT BE PERMITTED TO DRAIN ANY NUISANCE DRAINAGE TO THE PUBLIC RIGHT-OF-WAY WHICH IS NOT DEPICTED ON THE APPROVED GRADING PLAN.

- RETAINING WALLS. A SEPARATE BUILDING PERMIT IS REQUIRED FOR ALL RETAINING WALLS, WHICH ARE NOT AN INTEGRAL PART OF A STRUCTURE FOR WHICH A CURRENT BUILDING PERMIT HAS BEEN ISSUED.

QUANTITIES

EXCAVATION: \_\_\_\_\_ C.Y.  
 FILL: \_\_\_\_\_ C.Y.  
 IMPORT/EXPORT: \_\_\_\_\_ C.Y.  
 IMPORT MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.

- THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES:

SAN DIEGO GAS & ELECTRIC:	TELEPHONE NO. _____
PACIFIC TELEPHONE:	TELEPHONE NO. _____
CATV:	TELEPHONE NO. _____
SEWER:(CITY OF DEL MAR)	TELEPHONE NO. _____
WATER:(CITY OF DEL MAR)	TELEPHONE NO. _____

- NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITTEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET, SIDEWALK ALLEY, FUNCTION OF ANY SEWAGE DISPOSAL SYSTEM, OR ANY OTHER PUBLIC OR PRIVATE PROPERTY WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM SETTLING, CRACKING, EROSION SILTING, SCOUR OR OTHER DAMAGE WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THIS PLAN. THE COUNTY WILL HOLD THE PERMITTEE RESPONSIBLE FOR CORRECTION OF NON-DEDICATED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.

SCHEDULE

ESTIMATED STARTING DATE: \_\_\_\_\_  
 ESTIMATED COMPLETION DATE: \_\_\_\_\_

SOILS ENGINEER CERTIFICATE (GRADING PLAN ONLY)

I HEREBY STATE THAT I HAVE REVIEWED THESE PLANS AND HAVE DETERMINED THAT THE GRADING SHOWN HEREON CONFORMS WITH THE FINDINGS AND RECOMMENDATIONS CONTAINED IN THE SOILS REPORT PREPARED BY ME OR UNDER MY SUPERVISION DATED:

NAME \_\_\_\_\_

REGISTRATION NO. \_\_\_\_\_ DATE \_\_\_\_\_  
 AND EXPIRATION DATE \_\_\_\_\_

- AS-BUILT DRAWINGS. AS BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY PRIOR TO FINAL ACCEPTANCE OF THE WORK. THE DRAWINGS SHALL BE SIGNED BY THE ENGINEER RECORD AND CERTIFY THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THESE DRAWINGS.

- FINISHED GRADING SHALL BE CERTIFIED BY A REGISTERED CIVIL ENGINEER AND INSPECTED BY THE CITY ENGINEER FOR DRAINAGE CLEARANCE. (APPROVAL OF ROUGH GRADING DOES NOT CERTIFY FINISH BECAUSE OF POTENTIAL SURFACE DRAINAGE PROBLEMS THAT MAY BE CREATED BY LANDSCAPING ACCOMPLISHED AFTER ROUGH GRADING CERTIFICATION.

VICINITY MAP

**OWNER'S / PERMITTEE'S**

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

TELEPHONE NO: \_\_\_\_\_

SHORT LEGAL DESCRIPTION: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

A.P.N. NO: \_\_\_\_\_

SITE ADDRESS: \_\_\_\_\_

**OWNER'S CERTIFICATE**

"I CERTIFY UNDER A PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ENSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. I AM THE OWNER OF THE PROPERTY DELINEATED IN THIS GRADING PLAN AND IDENTIFIED AS COUNTY ASSESSOR'S PARCEL NUMBER \_\_\_\_\_ AND HEREBY AUTHORIZE THE PERFORMANCE OF THE WORK DESCRIBED HEREON."

OWNER/DEVELOPER SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

OWNER/DEVELOPER NAME \_\_\_\_\_ TELEPHONE NUMBER \_\_\_\_\_

**DECLARATION OF RESPONSIBLE CHARGE (GRADING PLAN ONLY)**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF DEL MAR IS CONFINED TO REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN. I WILL PROVIDE WRITTEN NOTIFICATION TO MY CLIENT AND ALL INVOLVED PUBLIC JURISDICTIONS, INCLUDING THE CITY OF DEL MAR, SHOULD I CEASE TO BE THE ENGINEER OF RECORD.

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

RCE NO: \_\_\_\_\_ EXPIRES: \_\_\_\_\_

**CITY APPROVED CHANGES**

NO.	DESCRIPTION:	APPROVED BY:	DATE:

**PRIVATE CONTRACT**

SHEET	CITY OF DEL MAR	SHEETS
GRADING, DRAINAGE, EROSION & SEDIMENT CONTROL PLAN FOR:		
CALIFORNIA COORDINATE INDEX _____		
ENGINEER OF WORK R.C.E.		
GRADING PERMIT NO:		