

WORK TO BE DONE

GRADING AND DRAINAGE WORK CONSISTS OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS. THE CURRENT SAN DIEGO REGIONAL STANDARD DRAWINGS, THE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE SAN DIEGO COUNTY GRADING ORDINANCE.

LEGEND

DESCRIPTION

PROPERTY LINE

ESSEMENT LINE

DRAINAGE SWALE

CMU RETAINING WALL

BROOKS BOX (OR SIM)

W/GATE (PVT)

LANDSCAPE DRAIN

SPOT ELEVATION (EX / PR)

EXISTING CONTOUR

PROPOSED CONTOUR

STORM DRAIN LINE

PERFORATED UNDERDRAN WITH CLEANOUT

P.C.C. BROW DITCH

RIP RAP

DAYLIGHT

LIMIT OF WORK

CUTSLOPE

FILLSLOPE

BIOFILTRATION AREA

P.C.C. (CONCRETE) PAVING

D.G. PATH

STD DWG

SMBOL

N45°45'45"W

SDSD C-01, C-04, C-05, C-06

DETAIL 'J' - SHEET 2

DETAIL 'I'-SHEET 2

90

100.00

90

6" SDR 35 U.N.O.

SHEET 2, DETAILS 'A', 'B'

SDSD D-75

D-40

SD

NOT A PART

P.P. PR

CONC

CUBIC YARD

WATER AGENCIES STANDARDS

W

WATER

WATER VALVE

ABBREVIATIONS

5" THICK OVER 7" AB (CONFORM WITH SOILS ENGINEER AFTER GRADING)

SD

TOP OF CURB

U.N.O.

OTHERWISE

W

WATER

WATER VALVE

SECRET HILLS RANCH GRADING PLAN

19. THE ISSUANCE OF THIS PERMIT/APPROVAL BY THE COUNTY OF SAN DIEGO DOES NOT AUTHORIZE THE APPLICANT FOR THE PERMIT/APPROVAL TO LOCATE ANY FEDERAL, STATE, OR COUNTY LANDS OR MONUMENTS, OR TO CONDUCT ANY ACTS OF GRADING OR CONSTRUCTION OF ANY KIND, OR TO LOCATE ANY WATER ACT, GRADING AND/OR FURTHER DESIGNATED SPECIES ACT, AND CLEAN PROHIBITED WITHIN THE AREAS DESIGNATED "LIMITS OF JURISDICTIONAL HABITAT" UNTIL FEDERAL PERMITS AND STATE PERMITS (IF ANY) HAVE BEEN ACQUIRED.

SOILS ENGINEER STATEMENT:

I, MARTIN R. OWEN, A REGISTERED CIVIL ENGINEER OF THE STATE OF CALIFORNIA, PRINCIPALLY DOING BUSINESS IN THE FIELD OF APPLIED SOIL MECHANICS, HEREBY VERIFY THAT A SAMPLING AND STUDY OF THE SOIL CONDITIONS PREVALENT WITHIN THIS SITE WAS MADE BY ME OR UNDER MY DIRECTION ON THE DATE OF FEBRUARY 23, 2020. ONE COMPLETE COPY OF SOILS REPORT COMPILED FROM THIS STUDY, WITH MY RECOMMENDATIONS HAS BEEN SUBMITTED TO THE OFFICE OF THE COUNTY ENGINEER.

THESE GRADING PLANS HAVE BEEN REVIEWED BY THE UNDERSIGNED AND FOUND TO BE IN CONFORMANCE WITH THE RECOMMENDATIONS, AS OUTLINED IN OUR SOILS AND GEOTECHNICAL REPORT FOR THIS PROJECT. THE SOILS REPORT SHALL BE DONE IN CONSIDERED PART OF THIS PLAN, AND ALL GRADING WORK SHALL BE DONE IN CONFORMANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF SAID REPORT "GEOTECHNICAL INVESTIGATION FOR PROPOSED SECRET HILLS RANCH (WITH REVISIONS). SOUTHEAST END OF VIA TESORO, ALPINE AREA

COUNTY OF SAN DIEGO, CA 91901 APLN 520-060-18" DATED 9/18/2020 AS WELL AS REPORT TITLED: INFLTRATION TEST RESULTS FOR PROPOSED INFILTRATION BASINS SECRET HILLS RANCH DATED 11/6/2020

ENGINEER NAME: MARTIN R. OWEN

DATE: _____

REGISTERED CIVIL ENGINEER # 66,658

OWNER'S CERTIFICATE:

IT IS AGREED THAT FIELD CONDITIONS MAY REQUIRE CHANGES TO THESE PLANS.

REGISTERED PROFESSIONAL ENGINEER

NO. 66,658

DATE 09/18/2020

STATE OF CALIFORNIA

IT IS FURTHER AGREED THAT THE OWNER (DEVELOPER) SHALL HAVE A REGISTERED CIVIL ENGINEER MAKE SUCH CHANGES, ALTERATIONS OR ADDITIONS TO THESE PLANS WHICH THE DIRECTOR OF PLANNING AND DEVELOPMENT SERVICES DETERMINES ARE NECESSARY AND DESIRABLE FOR THE PROPER COMPLETION OF THE IMPROVEMENTS.

OWNER: STANLEY BONEY

PO BOX 428

CRYSTAL BAY, NV 89402

PARCEL NO. 520-060-18

PHONE NUMBER: 919-435-3300

HAUL ROUTE NOTE:

FOR IMPORT/EXPORT EARTHWORK >1,000 CY.

PRIOR TO THE BEGINNING OF GRADING OPERATIONS, SUBMIT A TRAFFIC CONTROL AND HAUL ROUTE PLAN TO THE PLANNING & DEVELOPMENT SERVICES LAND AND DEVELOPMENT COUNTEER FOR APPROVAL, INCLUDING:

- SPECIFIC TRUCK TRAVEL ROUTES.
- ANTICIPATED LENGTH OF GRADING PERIOD INVOLVING THE TRUCKS AND TRUCKS OF SOIL.
- EXISTING CONDITIONS OF THE IMPACTED ROAD.
- AREAS - INCLUDING TRAFFIC AND ROAD CONDITIONS, TRAFFIC SAFETY INCLUDING SAFETY TO RESIDENTS ON FOOT, ON BICYCLE AND IN VEHICLES, AND POSSIBLE MITIGATION FOR AVOIDANCE OF SIGNIFICANT PEAK HOUR TRAFFIC AT CERTAIN INTERSECTIONS, TO DETERMINE IF IT WILL ALLOW SAFE USE BY THE TRUCKS.

CONTRACTOR SHALL APPLY FOR A TRAFFIC CONTROL PERMIT EIGHT WEEKS PRIOR TO COMMENCEMENT OF WORK. NO WORK SHALL PERMITTEE UNTIL ISSUANCE OF SAID PERMIT. FOR INFORMATION CALL (858) 694-3863. THE TRAFFIC CONTROL PERMIT SHALL REQUIRE SPECIFICATIONS FOR THE SUPERVISED GRADING.

THE PROJECT CIVIL ENGINEER AND GEOTECHNICAL ENGINEER WILL BE REQUIRED TO SUPERVISE THE GRADING OPERATIONS

THE GEOTECHNICAL ENGINEER WILL ASSIST THE CONTRACTOR TO ACHIEVE THE DESIRED LEVEL OF COMPACTION AND MOISTURE CONTENT FOR THE GRADING OPERATIONS.

DISTURBED AREA CALCS	
PAD + SLOPES:	471,000 SF
DRIVEWAY:	31,000 SF
PRIMARY SEPTIC:	13,600 SF
FIRE CLEARING:	70,000 SF
TOTAL:	585,600 SF
IF ≥ 1 AC, PROVIDE WID# :	937C91001
SWPPP / CONSTRUCTION SITE RISK LEVEL:	2

FIRE DEPARTMENT APPROVAL	
FIRE DEPT./DISTRICT	ALPINE FIRE PROTECTION DISTRICT
APPROVED BY:	JASON MCBRID - FIRE CHIEF
DATE:	_____



DANIEL VALDEZ-COFFEE ENGINEERING INC. P.C.E. NO. 076074 EXP. 06-30-2022
9666 BUSINESSPARK AVE SUITE 210 SAN DIEGO, CA 92131
858-831-0111 FAX 858-831-0179 dvaldez@ceengineering.com

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT AND I HAVE REVIEWED THE GRADING PLANS AND THE DESIGN OF THE PROJECT AS DENIED IN SECTION 9703 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 IS THE RESPONSIBILITY OF THE ENGINEER OF WORK, AND ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN

BY: _____ DATE: _____
RCE NO.: CE 076074 EXPIRES: 06/30/20

PDS ENVIRONMENTAL REVIEW

APPROVED FOR COMPLIANCE WITH THE ENVIRONMENTAL REVIEW.

APPROVED BY: _____ DATE: _____

NOTICE:
THE ISSUANCE OF THIS PERMIT/APPROVAL BY THE COUNTY OF SAN DIEGO DOES NOT AUTHORIZE THE APPLICANT FOR SAID PERMIT/APPROVAL TO VIOLATE ANY FEDERAL, STATE, OR COUNTY LAWS, ORDINANCES, REGULATIONS, OR POLICES INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT AND ANY AMENDMENTS THERETO.

DIGIART

DIAL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS
BEFORE YOU DIG

CALL 811
NATIONWIDE

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

COUNTY APPROVED CHANGES

NO.	DESCRIPTION:	APPROVED BY:	DATE:

PERMITS

ADMINISTRATIVE PERMIT NO. PDS2019-AD-19-032
LANDSCAPE PERMIT NO. PDS2020-LP-20-037
WID/NOI NO. 937C931001 SWPPP RISK LEVEL 2
PARCEL MAP NO. 8/05 23390
INITIATIVE MAP NO. N/A

BENCH MARK

DESCRIPTION: 2 1" BRASS DISC STAMPED "TCE 29271"
LOCATION: 0.607' BELOW STREET LEVEL INTO A STANDARD STREET SURVEY MONUMENT POINT ON CENTERLINE AT CENTER OF 48' RADIIUS OF CURVE-DE-SIG ON FIREBRAND DRIVE.
RECORD FROM: COUNTY OF SAN DIEGO VERT. CONTROL MONUMENT
ELEVATION: 2009.62 DATUM: NAD83

PRIVATE CONTRACT

SHEET	COUNTY OF SAN DIEGO	10 SHEETS
1	DEPARTMENT OF PUBLIC WORKS	GRADING PLAN FOR SINGLE FAMILY RESIDENTIAL DWELLINGS, FARM HOUSING AND EQUESTRIAN FACILITIES
SECRET HILLS RANCH		
VIA VIEAS OESTE		
ALPINE, CALIFORNIA		
CALIFORNIA COORDINATE INDEX		
230-1839		

APPROVED: MURRAY P. WICKSON	ENGINEER OF WORK	DANIEL VALDEZ
COUNTY ENGINEER	R.E.	2809A
DATE: _____	PROJECT NO.	PDS2020-LGRM-30263
	DRAWING TITLE NO.	

RECORD PLAN

BY: _____ DATE: _____
R.C.E. _____ NAME _____
EXPIRES: _____

STORMWATER STRUCTURAL POLLUTANT CONTROL, AND HYDRO-MODIFICATION CONTROL BMPs

DESCRIPTION / TYPE	SHEET	BMP ID #	MAINTENANCE CATEGORY	MAINTENANCE AGREEMENT RECORDED DOC. #
BIOFILTRATION AREA w/PARTIAL RETENTION 4	IMP A.3	ONE	ONE	
BIOFILTRATION AREA w/PARTIAL RETENTION 3	IMP B.2	ONE	ONE	
BIOFILTRATION AREA w/PARTIAL RETENTION 3	IMP B.3	ONE	ONE	
BIOFILTRATION AREA w/PARTIAL RETENTION 6	IMP D.1	ONE	ONE	
BIOFILTRATION AREA w/PARTIAL RETENTION 6	IMP D.2	ONE	ONE	
BIOFILTRATION AREA w/PARTIAL RETENTION 6	IMP E.1	ONE	ONE	
BIOFILTRATION AREA w/PARTIAL RETENTION 6	IMP E.2	ONE	ONE	
BIOFILTRATION AREA w/PARTIAL RETENTION 6	IMP E.3	ONE	ONE	
BIOFILTRATION AREA w/PARTIAL RETENTION 6	IMP F.1	ONE	ONE	
BIOFILTRATION AREA w/PARTIAL RETENTION 6	IMP G.1	ONE	ONE	

* BMPs APPROVED AS PART OF THIS STORMWATER QUALITY MANAGEMENT PLAN (SWQMP) DATED 08/26/2020 ON FILE WITH THE DPW. ANY CHANGES TO THE ABOVE BMPs WILL REQUIRE SWQMP REVISION AND PLAN CHANGE PERMITS.

GENERAL NOTES

- APPROVAL OF THIS GRADING PLAN DOES NOT CONSTITUTE APPROVAL OF VERTICAL OR HORIZONTAL ALIGNMENT OF ANY PRIVATE ROAD SHOWN HEREON FOR COUNTY ROAD PURPOSES.
- FINAL APPROVAL OF THESE GRADING PLANS SUBJECT TO FINAL APPROVAL OF THE ASSOCIATED IMPROVEMENT PLANS WHERE APPLICABLE. FINAL CURB ELEVATIONS MAY REQUIRE CHANGES IN THESE PLANS.
- IMPORT MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.
- A CONSTRUCTION, EXCAVATION OR ENCROACHMENT PERMIT FROM THE DEPARTMENT OF PUBLIC WORKS WILL BE REQUIRED FOR ANY WORK IN THE COUNTY RIGHT-OF-WAY.
- ALL SLOPES OVER THREE FEET IN HEIGHT WILL BE PLANTED IN ACCORDANCE WITH SAN DIEGO COUNTY SPECIFICATIONS.
- 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. (619) 441-7433
NATURAL GAS: (619) 441-7433
CITY: (619) 520-4220
TELEPHONE NO. (619) 258-4640
SEWER: (619) 258-4640
WATER: (619) 258-4640

7. A SOILS REPORT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.

8. APPROVAL OF THESE PLANS BY THE DIRECTOR OF PUBLIC WORKS DOES NOT CONSTITUTE AN ENDORSEMENT OR GUARANTEE OF THE ACCURACY OF THE INFORMATION. ANY INFORMATION OBTAINED FROM THE PERMITTEE'S PROPERTY, THE OWNER'S PERMISSION HAS BEEN OBTAINED AND VALID GRADING PERMIT HAS BEEN ISSUED.

9. THE DIRECTOR OF PUBLIC WORKS' APPROVAL OF THESE PLANS DOES NOT CONSTITUTE COUNTY BUILDING OFFICIAL APPROVAL OF ANY FOUNDATION FOR STRUCTURES TO BE PLACED ON THE AREAS COVERED BY THESE PLANS. NO WAIVER OF THE GRADING ORDINANCE REQUIREMENTS CONCERNING MINIMUM COVER OVER EXPANSIVE SOIL IS MADE OR IMPLIED (SECTIONS 87.403 & 87.410). ANY SUCH WAIVER MUST BE OBTAINED FROM THE DIRECTOR OF PLANNING AND DEVELOPMENT SERVICES.

10. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED GRADING EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00 AM AND 6:00 PM EACH DAY, MONDAY THRU SATURDAY, AND NO GRADING OR DRILLING OPERATIONS SHALL BE CONDUCTED ON THE PREMISES ON SUNDAYS OR HOLIDAYS.

11. ALL MAJOR SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PROVIDE A CONTINUED TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ADJOINING CUT OR FILL SURFACES.

12. NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY, 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 SPOILING AND PROTECTING SUCH PROPERTY FROM SETTLING, CRACKING, EROSION, SLIDING, SCOUR OR OTHER DAMAGE TO SUCH PROPERTY.

13. SLOPE RATIOS:

CUT-1.5:1 FOR MINOR SLOPES (SLOPES<15'), 2:1 FOR MAJOR SLOPES
FILL-2:1
EXCAVATION: 50:600 CY
FILL: 50:600 CY
EXPORT: -0- CY

(NOTE: A SEPARATE VALID PERMIT MUST EXIST FOR EITHER WASTE OR IMPORT AREAS BEFORE PERMIT TO BE ISSUED)

14. SPECIAL CONDITION: IF ANY ARCHAEOLOGICAL RESOURCES ARE DISCOVERED ON THE SITE OF THIS GRADING DURING GRADING OPERATIONS, SUCH OPERATIONS WILL CEASE IMMEDIATELY, AND THE PERMITTEE WILL NOTIFY THE DIRECTOR OF PUBLIC WORKS OF THE DISCOVERY. GRADING OPERATIONS WILL NOT COMMENCE UNTIL THE PERMITTEE HAS RECEIVED WRITTEN AUTHORITY FROM THE DIRECTOR OF PUBLIC WORKS TO DO SO.

15. PERMANENT POST-CONSTRUCTION BMP DEVICES SHOWN ON PLAN SHALL NOT BE REMOVED OR MODIFIED WITHOUT THE APPROVAL FROM THE DEPARTMENT OF PUBLIC WORKS.

16. THE APPLICANT SHALL BE RESPONSIBLE FOR THE ROAD MAINTENANCE (SWEEPING AS NECESSARY) AND REPAIRS OF ANY DAMAGE CAUSED BY THEM TO THE ONITE AND OFF-SITE COUNTY MAINTAINED OR PRIVATE ROADS THAT SERVE THE PROPERTY EITHER DURING CONSTRUCTION OR SUBSEQUENT OPERATIONS. THE APPLICANT WILL REPAIR THOSE PORTIONS OF THE ROUTE THAT WOULD BE DAMAGED BY THE HEAVY LOADS THAT LOADED TRUCKS PLACE ON THE ROUTE IDENTIFIED.

17. FINAL APPROVAL OF THIS GRADING PLAN IS SUBJECT TO FINAL APPROVAL OF THE ASSOCIATED IMPROVEMENT PLANS WHERE APPLICABLE. FINAL CURB GRADE ELEVATIONS MAY REQUIRE CHANGE TO THESE PLANS.

18. THE ENGINEER OF WORK SHALL COMPLY WITH ALL PROJECT APPLICABLE LAWS AND ORDINANCES, AND THE SAN DIEGO COUNTY ENGINEER OF WORK SHALL COMPLY WITH ALL PROJECT APPLICABLE LAWS, ORDINANCES AND REGULATIONS RELATING TO THE COUNTY OF SAN DIEGO STATE OF CALIFORNIA, AND U.S. FEDERAL GOVERNMENT. THE PROJECT IS SUBJECT TO ENFORCEMENT UNDER PERMITS FROM THE SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) AND THE COUNTY OF SAN DIEGO WATERSHED PROTECTION, STORMWATER MANAGEMENT, AND DISCHARGE CONTROL. ORDINANCE NO. 10410, COUNTY OF SAN DIEGO HYDRAULIC DESIGN MANUAL, AND ALL OTHER PROJECT APPLICABLE LAWS AND ORDINANCES FOR THE COUNTY OF SAN DIEGO. THE PROJECT SITE IS SUBJECT TO ALL APPLICABLE STANDARDS, REGULATIONS, ORDINANCES AND REGULATIONS REFERENCED ABOVE AND ALL OTHER APPLICABLE ORDINANCES AND STANDARDS. THIS INCLUDES COMPLIANCE WITH THE APPROVED STORM WATER QUALITY MANAGEMENT PLAN (SWQMP), ALL REQUIREMENTS FOR LOW IMPACT DEVELOPMENT (LID), HYDROMODIFICATION, DETENTION FACILITIES, MATERIALS AND EROSION CONTROL, EROSION CONTROL, AND SEDIMENT CONTROL ON THE PROJECT SITE.

OWNERS / PERMITTEE'S

NAME: STANLEY & BETTY BONEY

ADDRESS: P.O. BOX 428
CRYSTAL BAY, NV 89402

TELEPHONE NO: 619-435-3300

SHORT LEGAL DESCRIPTION: A PORTION OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF SECTION 2, TOWNSHIP 16, SOUTH RANGE 2, LESS AN INTERESTED ACRES, IN THE COUNTY OF SAN DIEGO, CALIFORNIA, BEING DESCRIBED IN OFFICIAL PLAT THEREOF, BEING JUNE 14, 2018.

A.P.N. NO: 520-060-18

SITE ADDRESS: VIA VIEAS OESTE, ALPINE, CA 91901

INTENT: IN ORDER TO PREVENT INADVERTENT DISRUPTION TO OPEN SPACE AREAS, TEMPORARY CONSTRUCTION SHALL BE INSTALLED. DESCRIPTION OF REQUIREMENT: PRIOR TO THE COMMENCEMENT OF ANY GRADING AND/OR CLEARING IN ASSOCIATION WITH THIS GRADING PLAN, TEMPORARY GRANGE CONSTRUCTION SHALL BE PLACED TO PROTECT FROM INADVERTENT DISRUPTION OF ALL OPEN SPACE ELEMENTS THAT DO NOT ALLOW GRADING, BROWSLING OR DISTURBANCE OF ALL OPEN SPACE ELEMENTS WITHIN THE OPEN SPACE ELEMENTS WHERE PROPOSED GRADING OR CLEARING IS WITHIN. TOET OF AN OPEN SPACE ELEMENTS SHALL BE BOUNDARY. THE PLACEMENT OF SUCH FENCING SHALL BE APPROVED BY THE PDS PERMIT COMPLIANCE SECTION. UPON APPROVAL, THE FENCING SHALL REMAIN IN PLACE UNTIL THE CONCLUSION OF GRADING ACTIVITIES AFTER WHICH THE FENCING SHALL BE REMOVED. DOCUMENTATION: THE APPLICANT SHALL PROVIDE EVIDENCE THAT THE FENCING HAS BEEN INSTALLED AND HAVE A CALIFORNIA LICENSED SURETOR CERTIFY THAT THE FENCING IS LOCATED ON THE BOUNDARY OF THE OPEN SPACE ELEMENT(S). THE APPLICANT SHALL SUBMIT PHOTOS OF THE FENCING ALONG WITH THE CERTIFICATION LETTER TO THE PDS. PDS FOR APPROVAL. FENCING SHALL BE REMOVED WITHIN 10 BUSINESS DAYS OF THE APPROVAL OF THE PDS. FENCING SHALL BE REMOVED OR ANY LAND DISTURBANCES THE FENCING SHALL BE INSTALLED AND SHALL BEAN FOR THE DURATION OF THE GRADING AND CLEARING. MONITORING: THE PDS. SHALL EITHER ATTEND THE PRECONSTRUCTION CONFERENCE AND APPROVE THE INSTALLATION OF THE TEMPORARY FENCING, OR REVIEW THE CERTIFICATION AND PICTURES PROVIDED BY THE APPLICANT.

IN ORDER TO AVOID IMPACTS TO MIGRATORY BIRDS AND RAPTORS, WHICH ARE A SENSITIVE BIOLOGICAL RESOURCE PURSUANT TO THE MIGRATORY BIRD TREATY ACT (MBTA), A RESOURCE AVOIDANCE AREA (RAA) SHALL BE IMPLEMENTED ON ALL GRADING SUCH THAT NONE WILL BE ALLOWED WITHIN 300 FEET OF THE BREEDING SEASON OF THE MIGRATORY BIRD NESTING HABITAT DURING THE BREEDING SEASON OF THE MIGRATORY BIRD AND FLYTOR WITHIN RAA AS INDICATED ON THESE PLANS. THE BREEDING SEASON IS DEFINED AS OCCURRING BETWEEN FEBRUARY 1 AND AUGUST 31. THE DIRECTOR OF PDS [Pds, Pdc] MAY WAIVE THIS CONDITION FOR ANY PART OF THE CONSTRUCTION PROJECT PROVIDED THAT NO MIGRATORY BIRDS OR RAPTORS ARE PRESENT IN THE VICINITY OF THE BRUSHING, CLEARING OR GRADING. ALTERNATIVELY, THE APPLICANT MAY SUBMIT A WRITTEN REQUEST FOR WAIVER OF THIS CONDITION, ALTHOUGH, NO GRADING SHALL OCCUR WITHIN THE RAA UNTIL CONCURRENCE IS RECEIVED FROM THE COUNTY AND THE WILDLIFE AGENCIES. TIMING, PRIOR TO CONCURRENCE AND PRIOR TO ANY CLEARING, GRUBBING, FENCING, GRADING, OR ANY LAND DISTURBANCE ACTIVITIES, MUST BE COMPLETED BY THE APPLICANT. IF THERE IS NON-COMPLIANCE WITH THIS CONDITION IS MANDATORY UNLESS THE REQUIREMENT IS WAIVED BY THE COUNTY UPON RECEIPT OF CONCURRENCE FROM THE WILDLIFE AGENCIES. MONITORING: THE [Pds, Pdc] SHALL NOT ALLOW ANY GRADING IN THE RAA DURING THE SPECIFIED DATES, UNLESS A CONCURRENCE LETTER.

[illegible]

INTENT: TO ARCHAEOLOGICAL MONITORING - DURING CONSTRUCTION OF CULVERT-2 - IN ORDER TO COMPLY WITH THE COUNTY OF SAN DIEGO GUIDELINES FOR DETERMINING SIGNIFICANCE AND REPORT FORMAT AND CONTENT REQUIREMENTS FOR CULTURAL RESOURCES, A SIGNIFICANCE STUDY OF THE PROJECT AREA SHALL BE COMPLETED. THE STUDY SHALL IDENTIFY AND RECOMMEND THE PROJECT RELOCATION AND HOW IT MAY AVOID OR MINIMIZE IMPACTS TO MONITOR THE ORIGINAL, CLIPPING OF PREVIOUSLY UNDISTURBED DEPOSITS IN ALL AREAS IDENTIFIED FOR DEVELOPMENT INCLUDING OFF-SITE IMPROVEMENTS, THE ARCHAEOLOGICAL MONITORING PROGRAM SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS DURING BIRTH-DISTURBING ACTIVITIES:

b. INADVERTENT DISCOVERIES. IN THE EVENT THAT PREVIOUSLY UNIDENTIFIED POTENTIALLY SIGNIFICANT CULTURAL RESOURCES ARE DISCOVERED:

1. THE PROJECT ARCHAEOLOGIST OR THE KUWEYATIAN NATIVE AMERICAN MONITOR SHALL HAVE THE AUTHORITY TO DIVERT OR TEMPORARILY HALT GROUND DISTURBANCE OPERATIONS IN THE AREA OF DISCOVERY TO ALLOW EVALUATION OF POTENTIALLY SIGNIFICANT CULTURAL RESOURCES.
2. IN THE EVENT OF DISCOVERY, THE PROJECT ARCHAEOLOGIST SHALL CONTACT THE PDS STAFF ARCHAEOLOGIST.
3. THE KUWEYATIAN NATIVE AMERICAN MONITOR, IN CONSULTATION WITH THE PDS STAFF ARCHAEOLOGIST AND THE KUWEYATIAN NATIVE AMERICAN MONITOR, SHALL DETERMINE THE SIGNIFICANCE OF THE DISCOVERED RESOURCES.
4. CONSTRUCTION ACTIVITIES WILL BE ALLOWED TO RESUME IN THE AFFECTED AREA ONLY AFTER THE PROJECT ARCHAEOLOGIST AND THE KUWEYATIAN NATIVE AMERICAN MONITOR HAVE BEEN NOTIFIED.
5. ISOLATES AND CLEARLY NON-SIGNIFICANT DEPOSITS SHALL BE MINIMALLY DOCUMENTED IN THE FIELD. SHOULD THE ISOLATES AND/OR NON-SIGNIFICANT DEPOSITS NOT BE COLLECTED BY THE PROJECT ARCHAEOLOGIST, THEN THE KUWEYATIAN NATIVE AMERICAN MONITOR MAY COLLECT THE CULTURAL MATERIAL FOR TRANSFER TO A TRIBAL CUSTODIAN FACILITY OR DEGRADATION PROGRAM.
6. IF CULTURAL RESOURCES ARE DETERMINED TO BE SIGNIFICANT, A RESEARCH DESIGN AND DATA RECOVERY PROGRAM (PROGRAM) SHALL BE PREPARED BY THE PROJECT ARCHAEOLOGIST IN CONSULTATION WITH THE KUWEYATIAN NATIVE AMERICAN MONITOR. THE PROGRAM SHALL BE REVIEWED AND APPROVED BY THE PDS STAFF ARCHAEOLOGIST. THE PROGRAM SHALL INCLUDE (1) REASONABLE PROFESSIONAL ARCHAEOLOGICAL METHODS, THE PROGRAM SHALL INCLUDE (1) REASONABLE EFFORTS TO PRESERVE (AVOIDANCE), UNDOUBT CULTURAL RESOURCES OR SACRED SITES, (2) THE CAPPING OF IDENTIFIED SACRED SITES OR UNDOUBT CULTURAL RESOURCES AND PLACEMENT OF DEVELOPMENT OVER THE CAP, IF AVOIDANCE IS INFEASIBLE, AND (3) DATA RECOVERY FOR NON-UNDOUBT CULTURAL RESOURCES, THE PREFERRED OPTION IS PRESERVATION (AVOIDANCE).

1. THE PROPERTY OWNER OR THEIR REPRESENTATIVE SHALL CONTACT THE COUNTY CORONER AND THE PHS SURVEY ARCHEOLOGIST.
2. UPON IDENTIFICATION OF HUMAN REMAINS, NO FURTHER DISTURBANCE SHALL OCCUR IN THE AREA OF THE REMAINS UNTIL THE PHS SURVEY ARCHEOLOGIST IS PRESENT. AS TO ORIGIN IF THE HUMAN REMAINS ARE TO BE TAKEN OFFSITE FOR EVALUATION, THEY SHALL BE ACCOMPANIED BY THE KUMAYAKI NATIVE AMERICAN MONITOR.
3. IF THE REMAINS ARE DETERMINED TO BE OF NATIVE AMERICAN ORIGIN, THE NACIC SHALL IMMEDIATELY CONTACT THE MOST LIKELY DESCENDANT (MID).
4. THE IMMEDIATE VICINITY WHERE THE NATIVE AMERICAN HUMAN REMAINS ARE LOCATED IS NOT TO BE DAMAGED OR DISTURBED BY FURTHER DEVELOPMENT ACTIVITY UNTIL CONSULTATION WITH THE MID REGARDING THEIR RECOMMENDATIONS AS REQUIRED BY PUBLIC RESOURCES CODE SECTION 5097.98 HAS BEEN CONDUCTED.
5. THE MID MAY WITH THE PERMISSION OF THE LANDOWNER, OR THEIR AUTHORIZED REPRESENTATIVE, VISIT THE SITE OF THE DISCOVERY OF THE NATIVE AMERICAN HUMAN REMAINS TO CONDUCT A VISUAL SURVEY OF THE AREA TO BE USED FOR THE EXCAVATION WORK. MEANS FOR TREATMENT OR DISPOSITION, WITH APPROPRIATE DIGNITY, OF THE HUMAN REMAINS AND ANY ASSOCIATED GRAVE GOODS, THE DESCENDANTS SHALL COMPLETE THEIR INSPECTION AND MAKE RECOMMENDATIONS OR PREFERENCES FOR TREATMENT WITHIN 48 HOURS OF BEING GRANTED ACCESS TO THE SITE.
6. PUBLIC RESOURCES CODE §5097.98, CEQA §15106-6.5 AND HEALTH & SAFETY CODE §7050.5 SHALL BE FOLLOWED IN THE EVENT THAT HUMAN REMAINS ARE DISCOVERED.

6. MONTHLY REPORTING. THE PROJECT ARCHEOLOGIST SHALL SUBMIT MONTHLY STATUS REPORTS TO THE DIRECTOR OF PLANNING AND DEVELOPMENT STARTING FROM THE DATE OF THE MONITORING PROGRAM TERMINATION. THE MONITORING PROGRAM SHALL BE A MONTHLY MONITORING PROGRAM. RECORDS SHALL BE KEPT AND MAINTAINED IN ALL ACTIVITIES DURING THE PERIOD AND THE STATUS OF PROGRESS ON OVERALL PLAN IMPLEMENTATION. UPON COMPLETION OF THE IMPLEMENTATION PHASE, A FINAL REPORT SHALL BE SUBMITTED DESCRIBING THE PLAN COMPLIANCE PROCEDURES AND SITE CONDITIONS BEFORE AND AFTER CONSTRUCTION.

7. DOCUMENTATION. THE APPLICANT SHALL IMPLEMENT THE ARCHEOLOGICAL MONITORING PROGRAM. THE APPLICANT SHALL SUBMIT MONTHLY STATUS REPORTS TO THE DIRECTOR OF PLANNING AND DEVELOPMENT STARTING FROM THE DATE OF THE ARCHEOLOGICAL MONITORING PROGRAM TERMINATION. THE MONITORING PROGRAM SHALL BE A MONTHLY MONITORING PROGRAM. RECORDS SHALL BE KEPT AND MAINTAINED IN ALL ACTIVITIES DURING THE PERIOD AND THE STATUS OF PROGRESS ON OVERALL PLAN IMPLEMENTATION. UPON COMPLETION OF THE IMPLEMENTATION PHASE, A FINAL REPORT SHALL BE SUBMITTED DESCRIBING THE PLAN COMPLIANCE PROCEDURES AND SITE CONDITIONS BEFORE AND AFTER CONSTRUCTION.

8. DOCUMENTATION. THE APPLICANT SHALL IMPLEMENT THE ARCHEOLOGICAL MONITORING PROGRAM. THE APPLICANT SHALL SUBMIT MONTHLY STATUS REPORTS TO THE DIRECTOR OF PLANNING AND DEVELOPMENT STARTING FROM THE DATE OF THE ARCHEOLOGICAL MONITORING PROGRAM TERMINATION. THE MONITORING PROGRAM SHALL BE A MONTHLY MONITORING PROGRAM. RECORDS SHALL BE KEPT AND MAINTAINED IN ALL ACTIVITIES DURING THE PERIOD AND THE STATUS OF PROGRESS ON OVERALL PLAN IMPLEMENTATION. UPON COMPLETION OF THE IMPLEMENTATION PHASE, A FINAL REPORT SHALL BE SUBMITTED DESCRIBING THE PLAN COMPLIANCE PROCEDURES AND SITE CONDITIONS BEFORE AND AFTER CONSTRUCTION.

INTL#R-3 – ARCHAEOLOGICAL MONITORING – ROUGH GRADING
INTENT: IN ORDER TO COMPLY WITH THE COUNTY OF SAN DIEGO
SIGNIFICANCE AND REPORT FORMAT AND CONTENT REQUIREMENTS FOR CULTURAL RESOURCES, AN
ARCHAEOLOGICAL MONITORING PROGRAM SHALL BE IMPLEMENTED. DESCRIPTION OF REQUIREMENT: THE
PROJECT ARCHAEOLOGIST SHALL PREPARE ONE OF THE FOLLOWING REPORTS UPON COMPLETION OF
THE EARLY-DISTURBING ACTIVITIES THAT REQUIRE MONITORING:

SECTION 87.112.1 OPEN SPACE EASEMENTS SHALL BE AVOIDED. DESCRIPTION OF REQUIREMENT: THE PURPOSE OF THIS PROVISION IS TO PROTECT THE OPEN SPACE EASEMENTS OF THE POLYMER AND SUBSTRATE MANUFACTURING FACILITY. THE POLYMER AND SUBSTRATE MANUFACTURING FACILITY IS LOCATED ON THE SOUTHERN END OF SECTION 87.112.1. THE FOLLOWING ON THE LAND SUBJECT TO EASEMENT: GRADING; EXCAVATION; PLACEMENT OF SOIL, SAND, ROCK, GRAVEL, OR OTHER MATERIAL; CLEARING OF VEGETATION; CONSTRUCTION, ERECTION, OR PLACEMENT OF ANY BUILDING OR STRUCTURE; VEHICULAR ACTIVITIES; OR ANY OTHER ACTIVITY THAT COULD BE DEEMED TO BE A VIOLATION OF THE OPEN SPACE EASEMENT. TO BE CLEAR WITHIN AN OPEN SPACE EASEMENT, ANY DISTURBANCE SHALL CONSTITUTE A VIOLATION OF THE COUNTY GRADING ORDINANCE SECTION 87.112 AND WILL RESULT IN ENFORCEMENT OF THE PROHIBITION. THE ONLY EXCEPTION(S) TO THIS PROHIBITION ARE:

3. VEGETATION REMOVAL OR APPLICATION OF CHEMICALS FOR WEED CONTROL SHALL BE EXPLICITLY REQUIRED BY WRITTEN ORDER OF THE DEPARTMENT.

[illegible]

THAT ALL PREHISTORIC MATERIALS COLLECTED DURING THE GRADING MONITORING PROGRAM HAVE BEEN REPATRIATED TO A NATIVE AMERICAN GROUP OF APPROPRIATE TRIBAL AFFINITY AND SHALL BE ACCOMPANIED BY PAYMENT OF THE FEES NECESSARY, IF REQUIRED, EVIDENCE SHALL BE IN THE FORM OF A LETTER FROM THE NATIVE AMERICAN TRIBE TO WHOM CULTURAL RESOURCES HAVE BEEN REPATRIATED IDENTIFYING THAT THE ARCHEOLOGICAL MATERIALS HAVE BEEN RECEIVED.

DIGALERT

 DIAL TOLL FREE
 1-800-227-2600
 AT LEAST TWO DAY
 BEFORE YOU DIG

RECORD PLAN

BY: _____ DATE: _____
NAME
R.C.E. _____
EXPIRES: _____

ENVIRONMENTAL NOTES FOR:

SECRET HILLS RANCH
VIA VEJAS CESTE
ALPINE, CALIFORNIA

CALIFORNIA COORDINATE INDEX

230-1839

APPROVED BY: WILLIAM P. HANSON
COUNTY ENGINEER

DATES

ENGINEER OF WORK: DANIEL WALSH
R/C/E

PDS2020-LD-RM-L-3020A
DRAWING PREPARED BY:





DRAINAGE NOTES

- HARDSCAPE GRADES TO BE 1% MINIMUM TO DRAINS AND AWAY FROM STRUCTURE.
- SOFTSCAPE GRADES TO BE 2% MINIMUM TO DRAINS (1% WHERE FLOW IS CONCENTRATED) AND 2% MINIMUM AWAY FROM STRUCTURE.
- SOIL COVER ABOVE DRAIN LINES SHALL BE 12" MINIMUM UNLESS OTHERWISE NOTED.



SCALE: 1"=30'

RECORD PLAN

BY: _____ NAME _____ DATE: _____
R.C.E. _____
EXPIRES: _____

COUNTY APPROVED CHANGES

NO.	DESCRIPTION:	APPROVED BY:	DATE:

PRIVATE CONTRACT

SHEET	COUNTY OF SAN DIEGO	10
6	DEPARTMENT OF PUBLIC WORKS	SHEETS

SECRET HILLS RANCH
VIA VIEJAS OESTE
ALPINE, CALIFORNIA
CALIFORNIA COORDINATE INDEX 230-1839

APPROVED WILLIAM P. MORGAN	ENGINEER OF WORK	DANIEL VALDEZ
COUNTY ENGINEER	R.E.	2807N
DATE: _____	DATE: _____	DATE: _____



EROSION CONTROL NOTES

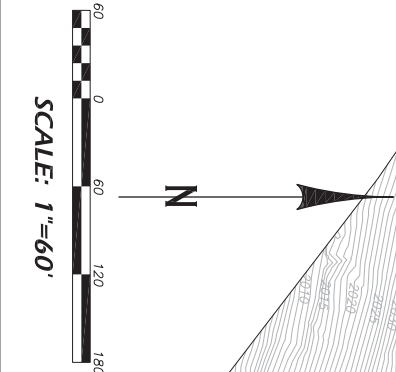
1. ALL BUILDING PADS TO BE DIKED AND THE DIKES MAINTAINED TO PREVENT WATER FROM FLOWING FROM THE PAD UNTIL THE STREETS AND DRIVEWAYS ARE PAVED AND WATER CAN FLOW FROM THE PADS WITHOUT CAUSING EROSION, OR CONSTRUCT DRAINAGE FACILITIES TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS THAT WILL ALLOW WATER TO DRAIN FROM THE PAD WITHOUT CAUSING EROSION.
2. TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.
3. MANUFACTURED SLOPES AND PADS SHALL BE ROUNDED VERTICALLY AND HORIZONTALLY AS APPROPRIATE TO BLEND WITH THE SURROUNDING TOPOGRAPHY.
4. 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 COUNTY DEPARTMENT OF PUBLIC WORKS BETWEEN OCTOBER 1 AND APRIL 15. APPROVED SLOPE PROTECTION MEASURES SHALL PROCEED IMMEDIATELY BEHIND THE EXPOSURE OF CUT SLOPES AND/OR THE CREATION OF EMBANKMENT SLOPES.
5. CATCH BASINS, DESILTING BASINS AND STORM DRAIN SYSTEMS SHALL BE INSTALLED TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS.
6. SAND BAG CHECK DAMS TO BE PLACED IN A MANNER APPROVED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS IN UNPAVED STREETS WITH GRADIENTS IN EXCESS OF 2% AND ON OR IN OTHER GRADED OR EXCAVATED AREAS AS REQUIRED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS.
7. THE DEVELOPER TO MAINTAIN THE PLANTING AND EROSION CONTROL MEASURES DESCRIBED ABOVE UNTIL RELIEF OF THE SAME BY THE COUNTY DEPARTMENT OF PUBLIC WORKS. THE DEVELOPER TO REMOVE ALL SOIL INTERCEPTED BY THE SAND BAGS, CATCH BASINS AND DESILTING BASINS AND KEEP THESE FACILITIES CLEAN AND FREE OF SILT AND SAND AS DIRECTED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS. THE DEVELOPER SHALL REPAIR ANY ERODED SLOPES AS DIRECTED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS.

STORMWATER MANAGEMENT NOTES

1. DURING THE RAINY SEASON THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED THAT WHICH CAN BE IMMEDIATELY PROTECTED BY THE PROPERTY OWNER. THE EXIT OF A RAINSTORM 125% OF ALL SUPPLIES NEEDED FOR BMP MEASURES SHALL BE RETAINED ON THE JOBSITE IN A MANNER THAT ALLOWS FULL DEPLOYMENT AND COMPLETE INSTALLATION IN 48 HOURS OR LESS OF A FORECAST RAIN.
2. NO AREA BEING DISTURBED SHALL EXCEED 50 ACRES AT ANY GIVEN TIME WITHOUT DEMONSTRATING TO THE SAN DIEGO COUNTY DPW DIRECTOR'S SATISFACTION THAT ADOULATE EROSION AND SEDIMENT CONTROL CAN BE MAINTAINED. ANY DISTURBED AREA THAT IS NOT ACTIVELY GRADED FOR 15 DAYS SHALL BE FULLY COVERED WITH EROSION PROTECTION. EROSION PROTECTION SHALL BE INSTALLED IMMEDIATELY BEHIND THE EXPOSURE OF DISTURBED AREAS. THE DISTURBED AREA SHALL BE INCLUDED IN THE EROSION CONTROL DISTURBED AREA. ALL EROSION CONTROL MEASURES SHALL REMAIN INSTALLED AND MAINTAINED DURING ANY INACTIVE PERIOD.
3. THE PROPERTY OWNER IS OBLIGATED TO ENSURE 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, AND 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 COUNTY OF SAN DIEGO 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.
4. 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. CAS000002) FOR ALL OPERATIONS ASSOCIATED WITH THESE PLANS. THE NOI NUMBER ASSIGNED BY SWRCB FOR THIS PROJECT IS [NOI#]. [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 COUNTY.

BMP LEGEND

MATERIALS & WASTE MANAGEMENT CONTROL BMPs	
WM-1	MATERIAL DELIVERY & STORAGE
WM-2	SPELL PREVENTION AND CONTROL
WM-3	CONCRETE WASTE MANAGEMENT
WM-4	SOLID WASTE MANAGEMENT
WM-5	SANITARY WASTE MANAGEMENT
WM-6	HAZARDOUS WASTE MANAGEMENT
CONSTRUCTION STORM WATER	
SC-1	SILT FENCE
SC-5	FIBER ROLLS
SC-6	GRAVEL OR SAND BAGS
SC-7	STREET SWEEPING AND VACUUMING
TC-1	STABILIZED CONSTRUCTION ENTRANCE
EC-2	PHYSICAL STABILIZATION
PERMANENT SOURCE CONTROL BMPs	
4.2.1	PREVENTION OF ILLICIT DISCHARGES
4.2.3	PROTECT OUTDOOR MATERIAL STORAGE AREAS
4.2.4	PROTECT MATERIALS STORED IN OUTDOOR WORK AREAS
4.2.5	PROTECT TRASH STORAGE AREAS
4.2.6E	LANDSCAPE/OUTDOOR POOLS, SPAS, PONDS, FOUNTAINS, AND OTHER WATER FEATURES
4.2.6H	REFUSE AREAS
4.2.6O	FIRE SPRINKLER TEST WATER
4.2.6P	MISCELLANEOUS DRAIN OR WASH WATER
4.2.6Q	PARKING LOTS
PERMANENT SITE DESIGN (LID) BMPs	
4.3.2	CONSERVATION/RESTORATION OF NATURAL AREAS, SOILS, AND VEGETATION
4.3.3	MINIMIZE IMPERVIOUS AREA
4.3.4	MINIMIZE SOIL COMPACTION
4.3.5	INTERVIEWS AREA DISPERSION
4.3.7	NATIVE OR DROUGHT TOLERANT VEGETATION
DISTURBED AREA	
TOTAL DISTURBED AREA = 502,000 FT² (11.52 AC)	



RECORD PLAN

BY: _____ DATE: _____
R.C.E. NAME _____
EXPIRES: _____

COUNTY APPROVED CHANGES

NO.	DESCRIPTION:	APPROVED BY:	DATE:

PRIVATE CONTRACT

SHEET 8 COUNTY OF SAN DIEGO 10 SHEETS
EROSION CONTROL PLAN FOR:

SECRET HILLS RANCH
VIA VIEJAS OESTE
ALPINE, CALIFORNIA
CALIFORNIA COORDINATE INDEX 230-1839

APPROVED WILLIAM P. MORGAN COUNTY ENGINEER
ENGINEER OF WORK DANIEL VALDEZ
R.E. 2800A
DATE: _____ PDS2020-LUGRM-30263 DRAWING NUMBER

EROSION CONTROL NOTES:

1. 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 COUNTY DEPARTMENT OF PUBLIC WORKS THAT WILL ALLOW WATER TO DRAIN FROM THE PAD WITHOUT CAUSING EROSION.

2. TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.

3. MANUFACTURED SLOPES AND PADS SHALL BE ROUNDED VERTICALLY AND HORIZONTALLY AS APPROPRIATE TO BLEND WITH THE SURROUNDING TOPOGRAPHY.

4. 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 COUNTY DEPARTMENT OF PUBLIC WORKS BETWEEN OCTOBER 1 AND APRIL 15. APPROVED SLOPE PROTECTION MEASURES SHALL PROCEED IMMEDIATELY BEHIND THE EXPOSURE OF CUT SLOPES AND/OR THE GRADATION OF EMBANKMENT SLOPES.

5. CATCH BASINS, DESILTING BASINS AND STORM DRAIN SYSTEM SHALL BE INSTALLED TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS.

6. SAND BAG CHECK DAMS TO BE PLACED IN A MANNER APPROVED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS IN UNPAVED STREETS WITH EXCAVATED AREAS AS REQUIRED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS.

7. THE DEVELOPER TO MAINTAIN THE PLANTING AND EROSION CONTROL MEASURES THROUGHOUT THE PROJECT. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE SLOPES AND THE COUNTY DEPARTMENT OF PUBLIC WORKS, 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 COUNTY DEPARTMENT OF PUBLIC WORKS. THE DEVELOPER SHALL REPAIR ANY ERODED SLOPES AS DIRECTED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS.

8. SEDIMENTATION BASINS MAY NOT BE REMOVED OR MADE INOPERATIVE WITHOUT PRIOR APPROVAL OF THE COUNTY ENGINEER.

9. SEWER OR STORM DRAIN TRENCHES THAT ARE CUT THROUGH BASIN DIKES OR BASIN INLET DIKES SHALL BE FLOODED WITH GRAVELBAGS FROM TOP OF PIPE TO TOP OF DIKE.

10. ALL UTILITY TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS WITH A DOUBLE ROW OF GRAVEL BAGS WITH A TOP ELEVATION LEVEL WITH, AND TWO GRAVEL BAGS BELOW THE GRADED SURFACE OF THE STREET. GRAVEL BAGS ARE TO BE PLACED WITH LAPPED COURES. 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 6% 50 FEET

6% TO 8% 25 FEET

OVER 10% 25 FEET

11. AFTER UTILITY TRENCHES ARE BACKFILLED AND COMPACTED, THE SURFACES OVER SUCH TRENCHES SHALL BE MOUNDDED SLIGHTLY TO PREVENT CHANNELING OF WATER IN THE TRENCH AREA. CARE SHOULD BE EXERCISED TO PROVIDE PROPER CROSS SLOPE AT PRESCRIBED INTERVALS WHERE TRENCHES ARE NOT ON THE CENTERLINE OF A CROWNED STREET.

12. ALL BUILDING PADS SHOULD BE SLOPED TOWARDS THE DRIVEWAYS AND VELOCITY CHECK DAMS PROVIDED AT THE BASE OF ALL DRIVEWAYS DRAINING INTO THE STREET.

13. 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

14. PROVIDE VELOCITY CHECK DAMS IN ALL PAVED STREET AREAS ACCORDING TO INTERVALS INDICATED BELOW. VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF GRAVEL BAGS, TIMBER, OR OTHER EROSION RESISTANT MATERIALS APPROVED BY THE COUNTY 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.

GRADE OF STREET

INTERVAL

AS REQUIRED, LESS THAN 2% 200 FEET MAX

2% TO 4% 100 FEET

4% TO 6% 50 FEET

6% TO 8% 25 FEET

OVER 10% 25 FEET
1. PROVIDE A GRAVEL BAG SILT BASIN OR TRAP BY EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING DRAIN SYSTEM.

2. GRAVEL BAGS AND FILL MATERIAL SHALL BE STOCKPILED AT INTERVALS, READY FOR USE WHEN REQUIRED.

3. ALL EROSION CONTROL DEVICES WITHIN THE DEVELOPMENT SHOULD BE MAINTAINED DURING AND AFTER EVERY RAINOFF PRODUCING STORM, IF POSSIBLE. MAINTENANCE CREWS WOULD BE REQUIRED TO HAVE ACCESS TO ALL AREAS.

4. PROVIDE ROCK WRAP ON CURVES AND STEEP DROPS IN ALL EROSION PRONE AREAS. THE WRAP SHOULD PROTECT THE EROSION PRONE AREAS FROM THE INCREASED FLOWS THAT MAY BE ANTICIPATED FROM DEWED SLOPES, OR FROM IMPROVED SURFACES.

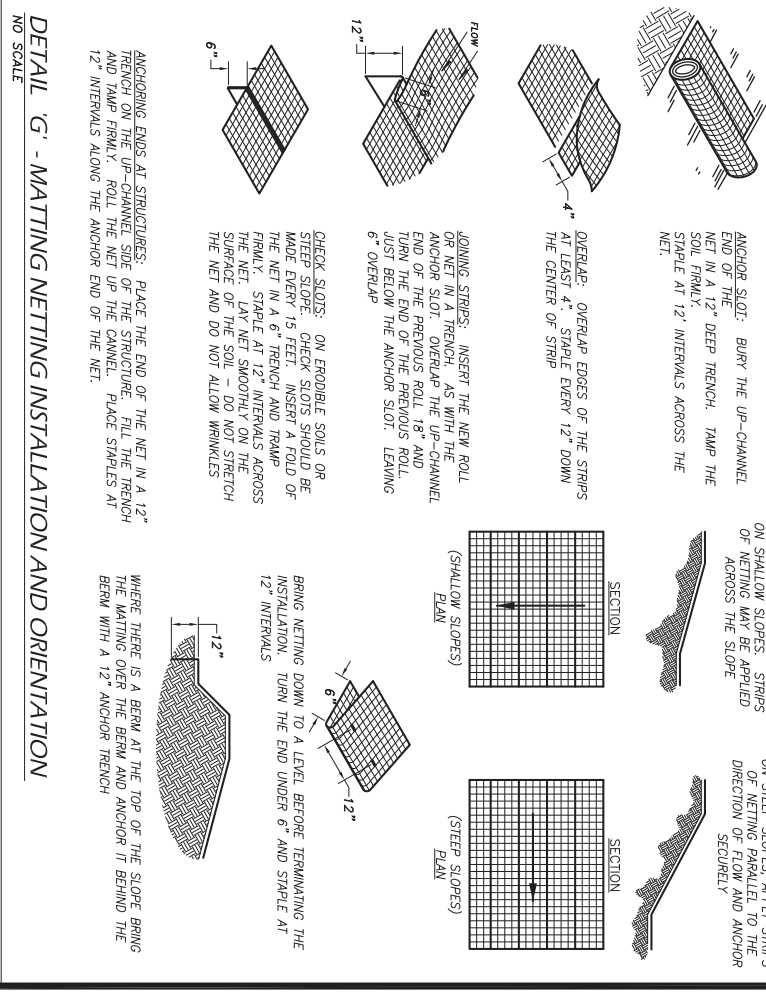
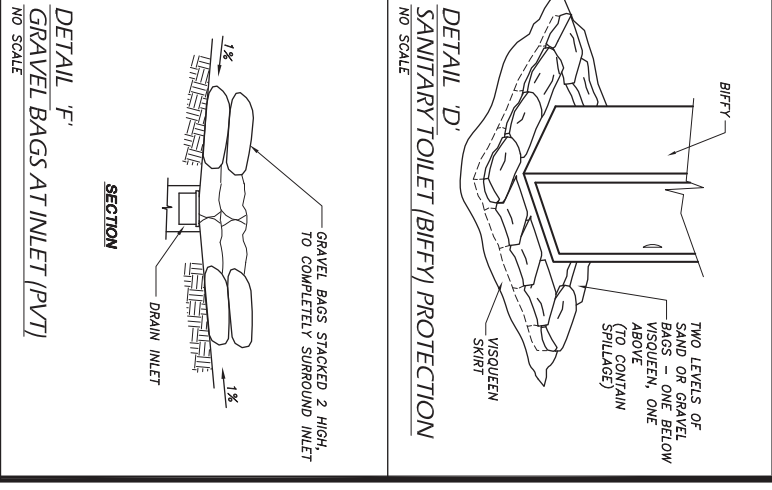
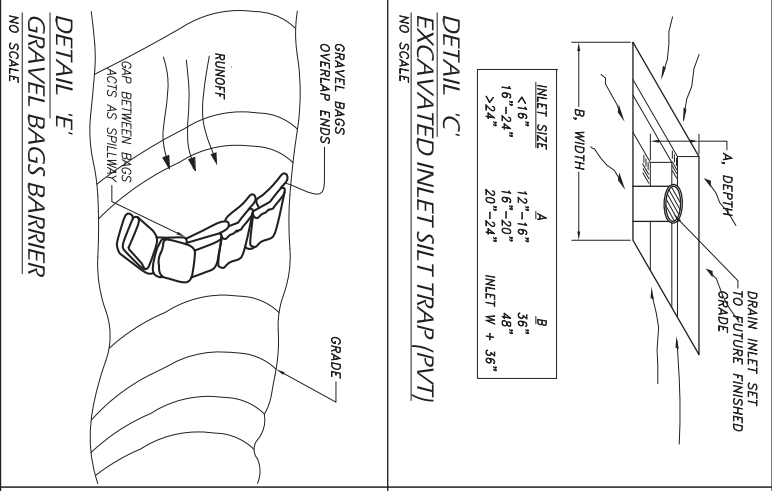
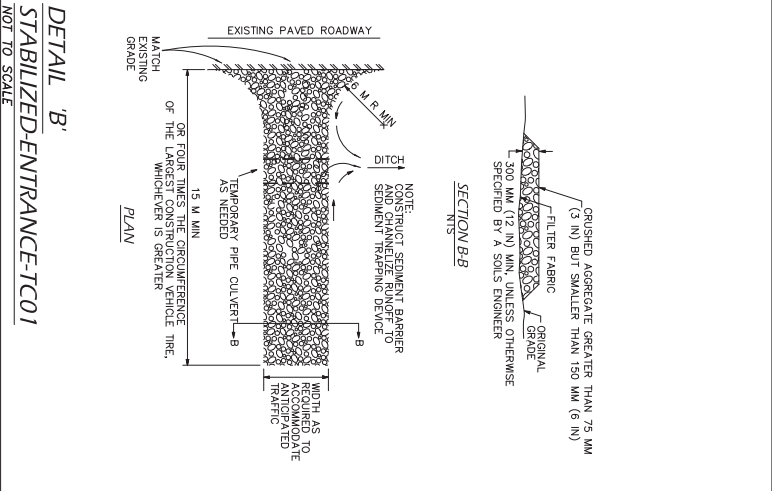
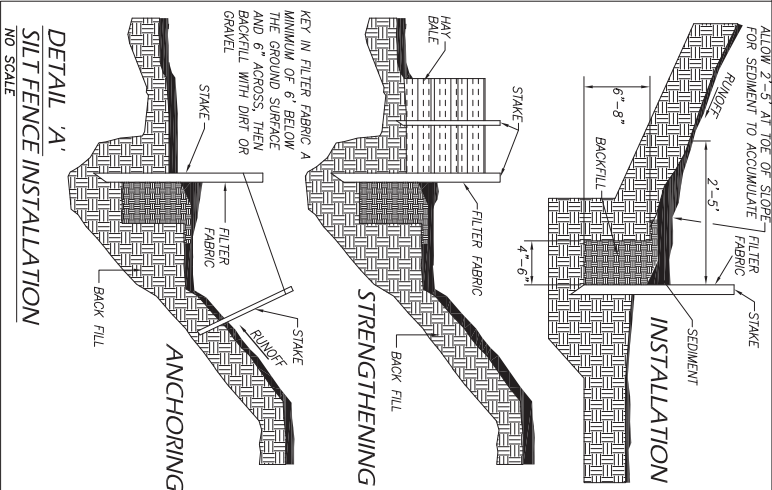
5. ANY PROPOSED ALTERNATE CONTROL MEASURES MUST BE APPROVED IN ADVANCE BY ALL RESPONSIBLE AGENCIES, INCLUDING THE COUNTY DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, ETC.

6. DURING THE RAINY SEASON THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED THAT WHICH CAN BE COVERED BY THE GRAVEL BAGS. THE GRAVEL BAGS SHOULD BE PLACED IN A MANNER THAT ALLOWS FULL DEPLOYMENT AND COMPLETE INSTALLATION IN 48 HOURS OR LESS OF A FORECAST RAIN.

7. NO AREAS BEING DISTURBED SHALL EXCEED 50 ACRES AT ANY ONE TIME. THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION, UNTIL ADEQUATE LONG TERM PROTECTIONS ARE INSTALLED. THE DISTURBED AREAS SHALL BE MAINTAINED DURING THE ACTIVE DISTURBANCE AREA. ALL EROSION CONTROL MEASURES SHALL REMAIN INSTALLED AND MAINTAINED DURING ANY INACTIVE PERIOD.

8. THE PROPERTY OWNER IS OBLIGATED TO INSURE COMPLIANCE WITH ALL APPLICABLE STORM WATER REGULATIONS AT ALL TIMES. THE B.M.P.'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 STORM WATER QUALITY. THE RESPONSIBILITY OF THE DEVELOPER FOR THE PROPER INSTALLATION AND MAINTENANCE OF THE B.M.P.'S MAY RESULT IN ENFORCEMENT ACTION BY THE COUNTY OF SAN DIEGO OR OTHERS. IF INSTALLED BY THE COUNTY OF SAN DIEGO OR OTHERS, IF INSTALLED BY AN ACCEPTABLE ALTERNATE WITHIN 24 HOURS, OR AS SOON AS SAFE TO DO SO.

9. ON PROJECTS OF GREATER THAN ONE ACRES AND 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 STORM WATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN OR WILL BE PREPARED AND SUBMITTED TO THE SWRCB FOR REVIEW. THE SWPPP SHALL BE REVIEWED FOR COMPLIANCE WITH THE SWRCB'S REQUIREMENTS. THE SWPPP SHALL BE REVIEWED FOR COMPLIANCE WITH THE SWRCB'S REQUIREMENTS ASSOCIATED WITH CONSTRUCTION ACTIVITY (PERMIT NO. CSD000022) FOR ALL OPERATIONS ASSOCIATED WITH THESE PLANS. THE NOI NUMBER ASSIGNED BY SWRCB FOR THIS PROJECT IS [NOI000] [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 COUNTY.



THE USE OF B.F.M.S IS SUBJECT TO THE FOLLOWING LIMITATIONS AND RESTRICTIONS:

1. APPLICATION RATES SHALL BE 3500 POUNDS PER ACRE MINIMUM FOR 2: 1 OR SHALLOWER SLOPES AND 4000 POUNDS PER ACRE FOR SLOPES STEEPER THAN 2:1.
2. B.F.M SHALL BE APPLIED AT LEAST 24 HOURS BEFORE OR AFTER RAINFALL.
3. 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.
4. B.F.M SHALL BE APPLIED TO PROVIDE 100% COVERAGE (I.E. APPLICATION FROM MULTIPLE ANGLES).
5. FOR PERMANENT EROSION CONTROL PURPOSES, B.F.M MUST BE INSTALLED IN CONJUNCTION WITH SEEDED EROSION CONTROL VEGETATION.
6. A LETTER FROM THE HYDROSEED CONTRACTOR CERTIFYING THAT THE B.F.M HAS BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED APPLICATION RATES AND COVERAGE REQUIREMENTS SHALL BE SUBMITTED TO THE COUNTY INSPECTOR FOR APPROVAL.

B.M.P STENCIL PLACEMENT NOTES:

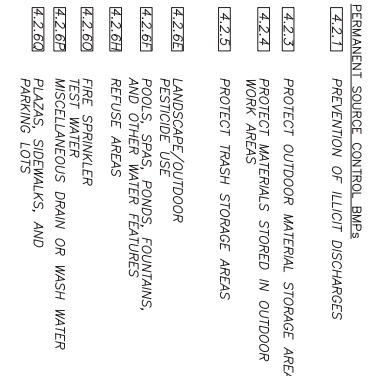
- A. ALL STORM DRAIN INLETS AND CATCH BASINS WITHIN THE PROJECT AREA SHALL HAVE A STENCIL OR TILE PLACED WITH PROHIBITIVE LANGUAGE (SUCH AS: NO DUMPING--I LIVE IN THE SAN DIEGO RESERVOIR) AND/OR GRAPHICAL ICONS TO DISCOURAGE ILLEGAL DUMPING.
- B. SIGN AND PROHIBITIVE LANGUAGE AND/OR GRAPHICAL ICONS, WHICH ARE PLACED ALONG CHANNELS AND CREEKS WITHIN THE PROJECT AREA, SHALL BE MAINTAINED AND TILES MUST BE PLACED FLUSH WITH TOP OF CONCRETE TO REDUCE TRIPPING BY PEDESTRIANS.
- C. LEGIBILITY OF STENCILS, TILES AND SIGNS MUST BE MAINTAINED AND TILES MUST BE PLACED FLUSH WITH TOP OF CONCRETE TO REDUCE TRIPPING BY PEDESTRIANS.



BY: _____	
NAME _____	
DATE: _____	
R.C.E. _____	
EXPIRES: _____	

COUNTY APPROVED CHANGES		
NO.	DESCRIPTION:	APPROVED BY:

SHEET 9		COUNTY OF SAN DIEGO	10
EROSION CONTROL NOTES FOR:			
SECRET HILLS RANCH			
VIA VEGAS OESTE			
ALPINE, CALIFORNIA			
230 - 1839			
APPROVED WILLIAM P. WILSON			
COUNTY ENGINEER			
DATE: _____			
DESIGNED BY DANIEL WALKER			
R.E. 2800A			
PDS2020-LUGRM-30263			
DRAWING TITLE: NO.			



SC-2	CONCENTRATION/REDUCTION OF NUTRIENT AREAS, SOILS AND VEGETATION
SC-3	MINIMIZE IMPERVIOUS AREA
SC-4	MINIMIZE SOIL COMPACTION
SC-5	IMPERVIOUS AREA DISPERSION
SC-6	NATIVE OR DROUGHT TOLERANT VEGETATION
SC-7	BMPs FOR POLLUTANT GENERATING SOURCES
SC-8	DRAIN FEATURE TO PEROUS AREA
SC-9	PROVIDE CONTAINMENT FOR SPILLS AND DISCHARGES
SC-10	PREVENT CONTACT WITH RAINFALL
SC-11	ISOLATE FLOWS FROM ADJACENT AREAS
SC-12	PREVENT WIND DISPERSAL
SC-13	LAUREN WITH STENCILS OR SIGNS

- HYDROLOGIC SOIL GROUP.....C/B
- APPROXIMATE DEPTH TO GROUND WATER.....>6.5'
- CRITICAL COARSE SEDIMENT YIELD AREAS IN OR UPSTREAM OF PROJECT AREA.....NONE

SHEET 10	COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS	10 SHEETS
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VIA VIEJAS OESTE
ALPINE, CALIFORNIA
CALIFORNIA COORDINATE INDEX 230-1839

APPROVED WILLIAM P. MORGAN COUNTY ENGINEER	ENGINEER OF WORK DANIEL VALDEZ
RCE	076074

DATE:	GRADING PERMIT NO:
BY:	