

GRADING NOTES

1. Call the assigned City of San Marcos Engineering Inspector 24-hours before commencement of work.
2. Imported material shall be obtained from a legal site.
3. All cut and fill slopes shall be planted with a mixture of trees, shrubs, and ground cover to control erosion. Slope landscaping shall be installed as soon as practical. Irrigation systems are required and shall be installed for perpetual maintenance of the plant life used for slope stabilization in accordance with Section 17.32.170, Title 19, and Title 20 of the City's Grading Ordinance.
4. Precise locations/elevations of the existing underground utilities are not known. The Contractor shall be solely responsible for making sufficient explorations to locate all utilities and substructures whether shown on the plans or not and to protect them from any possible damage prior to and during construction. The expense of repair or replacement of said utilities and substructures shall be borne by the Contractor. Contractor shall notify the Engineer-of-Work of any potential conflicts sufficiently in time for construction changes to be made and approved.
5. The Contractor shall contact the Underground Service Alert at 1-800-422-4133 at least 48 hours prior to excavating to verify the locations of underground facilities of the following utilities:

AT&T
San Diego Gas & Electric
Vallecitos Water District
Cox Communications
Buena Sanitation District
Vista Irrigation District

A Dig Alert Identification Number must be issued before a "Permit to Excavate" is valid per Government Code section 4216.

6. Approval of these plans by the City does not authorize any work or grading to be performed until the property owner's permission is obtained and a valid grading permit has been issued.
7. All operations conducted on the premises, including the warming up, repair, arrival, departure or running of any equipment shall be limited to the hours of 7:00 a.m. to 4:30 p.m., Monday through Friday. No work shall be performed on the premises on Saturday, Sunday, or holidays.
8. All major slopes shall be shaped and trimmed as shown on the plans and rounded into existing slopes to produce a contoured transition from cut or fill faces to natural ground and abutting cut or fill slopes. All stones, roots or other waste matter exposed on excavation or embankment slopes shall be removed and disposed of off-site in a legal manner by the Contractor.
9. Notwithstanding the minimum standards set forth in the City's Grading Ordinance and 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 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 City will hold the permittee responsible for correction of non-dedicated improvements, which cause damage to adjacent property.
10. The Engineer-of-Work shall be notified when construction commences.
11. Contractor shall be responsible for all construction/grading of slopes, pads, street grades, and infrastructure improvements according to these plans. The Engineer-of-Work shall be contacted when changes or additions are made during the progress of construction or if there is a misunderstanding of these plans or field stakes and an interpretation is needed.
12. Certification from the registered civil engineer stating that the grading has been completed per the approved plan, and the compaction report from the geotechnical engineer on any required fill areas shall be provided prior to building permits being issued.
13. Minimum 90% compaction is required in all on-site fill areas with a minimum of 95% compaction twelve inches (12") below finished subgrade in a public street.
14. Excavations, fills, and obstructions in Public Places shall conform to the requirements of City Ordinance 2022-1521 subject to the approval of the Director.
15. Contractor shall be responsible for protecting any monumentation and/or benchmarks. Any monumentation and/or benchmarks, which are disturbed or destroyed by construction, shall be replaced at the Contractor's expense. Such points shall be referenced and replaced with appropriate monumentation by a licensed land surveyor or a registered civil engineer authorized to practice land surveying. A Corner Record or Record of Survey, as appropriate, shall be filed by the licensed land surveyor or registered civil engineer as required by the Land Surveyor's Act.
16. Dust control measures, such as the periodic wetting down of the bare and exposed areas, shall be utilized at all times during construction to the satisfaction of the Engineering and/or Building Inspectors.
17. All work shown on these plans to be completed in accordance with City Grading Ordinance Chapter 17.32.
18. All grading shall be supervised by an individual appropriately licensed under the Business and Professions Code.
19. The Contractor is responsible for maintaining the adjoining public streets and rights-of-way in a clean and dust free condition within the limitation of the City Municipal Code Section 14.15.030 Illicit "Discharges Prohibited." This section of the Code prohibits the "washing down" of a street into a public storm drain. The continuous use of street sweeping machines may be advisable.
20. The Contractor shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including the safety of all persons and property. This requirement shall apply continually and not be limited to normal working hours. The Contractor shall defend, indemnify, and hold the owner, the engineer, and the City harmless from any and all liability, real or alleged, in connection with the performance of work on this project excepting for liability arising from the sole negligence of the owner, engineer, or City.
21. A permit must be obtained from the San Marcos Fire Department prior to any blasting. Separate City permits are required prior to any construction, excavation, storage of materials or any other encroachments.
22. A right-of-way permit will be required for any work within the City right-of-way.
23. Accessible parking space(s) shall have a maximum slope not exceeding 2% in any direction.

FIRE NOTES

1. Fire hydrants shall be CLOW Model 865 with Two 4" and One 2.5" port.
2. The tops and nozzle caps of the fire hydrant shall be color coded per NFPA 291 based on fire flow:
Class AA – Light Blue Paint – 150 GPM or greater
Class A – Green Paint – 100 to 1499 GPM
Class B – Orange paint – 500 to 999 GPM
Class C – Red Paint – Less than 500 GPM
3. Color coding shall be from FSC Coatings, Ametco Silicon Poly Plus.

PRIVATE WATER/SEWER NOTES

1. Private on-site water and sewer lines are permitted and inspected under separate permit and are shown on these plans for informational purposes only.
2. Private on-site Fire lines are permitted and inspected under separate permit and are shown on these plans for informational purposes only.
3. Trenching and backfill operation for private fire, water, and sewer lines shall be observed by the Engineering Inspector for general conformance with the geotechnical specifications. Trenches shall also be subject to inspection by the permitting department for additional requirements.

GENERAL NOTES

1. Contractor will be responsible for the repair of all damages incurred as a direct result of construction activities. Prior to the final acceptance and approval of improvements shown on these plans all repair and rehabilitation will be done to facilities disrupted by construction activities. All repair will be in conformance to the City of San Marcos Standards.

REFERENCE DRAWINGS

VWD DWG. XXXX
SM DWG. NO. XX-XXXX

SOURCE OF TOPO

FIELD SURVEY CONDUCTED BY XXXXXXXXXXXXXXXX
ON XXXX XX, 20XX .

BASIS OF BEARING

BASIS OF BEARING PER XXXXXXXXXX

SITE ADDRESS AND ASSESSOR PARCEL NUMBERS

SITE ADDRESS LINE 1
SITE ADDRESS LINE 2

ASSESSOR PARCEL NO(S): XXX-XXX-XX-XX & XXX-XXX-XX-XX

LEGAL DESCRIPTION

LOT XXX OF FINAL MAP XXXXXX RECORDED ON XX/XX/XXXX

OWNER

OWNER NAME/COMPANY NAME
ADDRESS LINE 1
ADDRESS LINE 2
TELEPHONE NO.
EMAIL

NAME, TITLE/COMPANY DATE:

EARTHWORK SCHEDULE

CUT: XXXX CY
FILL: XXXX CY
OVEREXCAVATION: XXXX CY
IMPORT/EXPORT: XXXX CY

STORM WATER SUMMARY

WDID:
PROJECT AREA:
DISTURBED AREA:
IMPERVIOUS AREA:
STORM WATER DEVELOPMENT PROJECT TYPE: PRIORITY/ STANDARD/ EXEMPT
CITY BMP ID NO: XX THRU XX
FACILITY TYPE: MIXED USE/ RESIDENTIAL/ COMMERCIAL/ INDUSTRIAL
MAINTENANCE AGREEMENT DOC #:
CONTRACTOR 24-HR CONTACT #:

SHEET INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
X	SHEET INDEX MAP
X	SECTIONS
X-X	EROSION CONTROL

CITY OF SAN MARCOS

GRADING PLANS FOR
XXXXXXXXXXXXXXXXXX



VICINITY MAP

N.T.S.

LOCATION MAP

N.T.S.

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR SHEETS XXXX THRU XXXX OF THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS 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 SAN MARCOS IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

XXXXXXXXXXXXX RCE 12345 EXP. 6/30/XX DATE:

ASSUMPTION OF RESPONSIBLE CHARGE

AFTER CITY ENGINEER'S APPROVAL OF A SET OF PLANS, IF A NEW ENGINEER ASSUMES RESPONSIBLE CHARGE OF THE WORK, THEY SHALL ADD, SIGN, AND SEAL THE FOLLOWING IN EACH SHEET:

AS OF _____, I HEREBY ASSUME RESPONSIBLE CHARGE FOR DESIGN CHANGES TO THIS DRAWING

XXXXXXXXXXXXX RCE 12345 EXP. 6/30/XX DATE:

FIRM:
ADDRESS:
TELEPHONE #:

GEOTECHNICAL ENGINEER CERTIFICATE

THESE PLANS HAVE BEEN REVIEWED BY THE UNDERSIGNED RELATIVE TO GEOTECHNICAL ASPECTS OF THE PLANS AND HAVE BEEN FOUND TO BE IN CONFORMANCE WITH INTENTIONS OF THE FINDINGS AND RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT BY JXXXXXXXXXXXXXXXXXXXXXXXXXXXXX (GE XXXX) DATED XXXXXXXX XX, XXXX.

XXXXXXXXXXXXX GE XXXX EXP. 12/31/XX DATE:

LIST OF EASEMENTS & ENCUMBRANCES			
EASEMENT/ENCUMBRANCE TYPE	GRANTEE	RECORDED DOCUMENT NO.	RECORDATION DATE
CC&RS	XXXXXXXX XXXXXX	1234-0001234	XX/XX/XXXX
PUBLIC DRAINAGE ESMT FOR ACCESS AND MAINTENANCE	CITY OF SAN MARCOS	2345-0002345	XX/XX/XXXX
RECIPROCAL ACCESS EASEMENT TO THE BENEFIT OF XXX-XXX-XX	XXXXXXXX XXXXXX	1234-0001234	XX/XX/XXXX

VALLECITOS WATER DISTRICT APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE By: ELIZABETH LOPEZ, P.E. DISTRICT ENGINEER Date: 6/30/2026 exp.: 6/30/2026 R.C.E. NO. 79789 APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED		SAN MARCOS FIRE PROTECTION DISTRICT By: JASON NAILON, FIRE MARSHAL Date: (GPM) REQUIRED FIRE HYDRANT FLOW (GPM) APPROVED FIRE HYDRANT FLOW (GPM) APPROVED FIRE FLOW INCLUDES MITIGATION MEASURES (GALLON PER MINUTE) VALLECITOS WATER DISTRICT IS NOT RESPONSIBLE FOR MAINTENANCE, REPAIR, OR REPLACEMENT OF FIRE HYDRANTS UNLESS SPECIFIED UNDER SEPARATE AGREEMENT WITH THE JURISDICTIONAL FIRE AGENCY		CITY APPROVED CHANGES <table><tr><th>Δ NO.</th><th>DESCRIPTION</th><th>AFFECTED SHEETS</th><th>EOW APP'D</th><th>APP'D BY</th><th>DATE</th></tr><tr><td>⚠</td><td>EXAMPLE FOR VOIDED SHEET: VOIDED SHEET, REPLACE WITH SHEET #A</td><td>#. #. #</td><td></td><td></td><td></td></tr><tr><td>⚠</td><td>EXAMPLE FOR UTILITY CHANGE: REVISED WATER SERVICE LOCATION AND ADDITION OF WATER LATERAL PROFILE</td><td>#. #. #</td><td></td><td></td><td></td></tr><tr><td>⚠</td><td>EXAMPLE FOR RW CHANGE: REVISED LIMITS OF RETAINING WALL AND TF,TW ELEVATIONS. REVISED FOOTING IN RW DETAIL</td><td>#. #. #</td><td></td><td></td><td></td></tr></table>						Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE	⚠	EXAMPLE FOR VOIDED SHEET: VOIDED SHEET, REPLACE WITH SHEET #A	#. #. #				⚠	EXAMPLE FOR UTILITY CHANGE: REVISED WATER SERVICE LOCATION AND ADDITION OF WATER LATERAL PROFILE	#. #. #				⚠	EXAMPLE FOR RW CHANGE: REVISED LIMITS OF RETAINING WALL AND TF,TW ELEVATIONS. REVISED FOOTING IN RW DETAIL	#. #. #				ENGINEER OF WORK By: FIRST LAST NAME R.C.E.: exp.: Date: RECOMMENDED FOR APPROVAL By: Kyrenne Chua, Principal Civil Engineer R.C.E.: 91911 exp.: 3/31/2027 Date: DATE: RCE 12345 EXP. 6/30/XX APPROVED FOR CONSTRUCTION By: Isaac Etchamendy, City Engineer R.C.E.: 81294 exp.: 9/30/2027 Date: ENGINEER OF WORK AS-BUILT CERTIFICATE AS THE ENGINEER OF WORK, I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE IMPROVEMENTS SHOWN ON THIS SET OF CONSTRUCTION PLANS, SHEET XXXX THROUGH SHEET XXXX, HAVE BEEN INSTALLED AND CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THESE AS-BUILT PLANS, INCLUDING ALL APPROPRIATE STANDARDS AND ANY DISCRETIONARY APPROVAL(S) FOR THE PROJECT. DESCRIPTION: LOCATION: RECORD FROM: 23731 DATE: NAVD88		INSPECTED AND RECOMMENDED FOR ACCEPTANCE Engineering Inspector Date APPROVED AS RECORD PLAN ISAAC ETCHAMENDY 81294 9/30/2027 DATE:	
Δ NO.	DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE																																
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VALLECITOS WATER DISTRICT PRESSURE ZONE: HGL PUMP ZONE:		VWD AS-BUILT By: NAME (ENGINEER OF WORK) Date: R.C.E. NO. exp.: 6/30/20XX		CITY OF SAN MARCOS GRADING PLANS FOR: XXXXXX XXXXXXXX XXXXXX IPXX-XXXX PROJECT NO. SDPXX-XXXX MF XXXX XXXXXX XXXXXXXX XXXXXX City Drawing No. GP25-XXXX Sheet 1 of X VWD WO#																																	

VALLECITOS WATER DISTRICT GENERAL NOTES

1. WATER LINES SHALL HAVE A MINIMUM COVER OF 42 INCHES. SEWER LINES SHALL HAVE A MINIMUM COVER OF 5 FEET.
2. CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES 48 HOURS PRIOR TO CONSTRUCTION. A VALID UNDERGROUND SERVICE ALERT TICKET SHALL BE ON FILE.
VALLECITOS WATER DISTRICT 1-760-744-0460
COX COMMUNICATION 1-800-227-2600
S.D.G. & E. 1-800-227-2600
AT&T 1-800-227-2600
UNDERGROUND SERVICE ALERT 811
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL SUBSTRUCTURES, WHETHER SHOWN ON THE PLANS OR NOT, AND PROTECT THEM FROM DAMAGE. THE ACTUAL LOCATION AND DEPTH OF ALL EXISTING WATER AND SEWER LINES ARE TO BE VERIFIED BY THE CONTRACTOR AND ANY DISCREPANCY IS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF WORK FOR CORRECTION AND THEN SUBMITTED TO THE DISTRICT FOR APPROVAL.
4. NEITHER THE ENGINEER, OWNER, NOR THE VALLECITOS WATER DISTRICT SHALL BE RESPONSIBLE FOR THE ENFORCEMENT OF THE SAFETY STANDARDS.
5. A PRE-CONSTRUCTION CONFERENCE MEETING SHALL BE HELD A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION.
6. A SIGNED SET OF IMPROVEMENT PLANS DOES NOT IMPLY THAT CONSTRUCTION MAY BEGIN. THE CONTRACTOR MUST CONTACT THE VALLECITOS WATER DISTRICT ENGINEERING DEPARTMENT TO CONFIRM.
7. ALL WORK DONE IN OR NEAR VALLECITOS WATER DISTRICT FACILITIES SHALL BE DONE ACCORDING TO THE CURRENT STANDARD SPECIFICATIONS OF THE VALLECITOS WATER DISTRICT.
8. PRIOR TO CROSSING EXISTING WATER OR SEWER FACILITIES, CONTRACTOR SHALL SUBMIT EQUIPMENT SPECIFICATIONS, WEIGHT, AND DEFLECTION CALCULATIONS FOR APPROVAL.
9. CONTRACTOR SHALL VERIFY AND REQUEST CONSTRUCTION WATER SOURCE AND AVAILABILITY PRIOR TO START OF GRADING
10. STATE HEALTH DEPARTMENT REQUIRES CERTIFIED BACKFLOW DEVICES ON ALL HARD PLUMBED CONNECTIONS TO DISTRICT CONSTRUCTION METERS.
11. ACCESSING OR WORKING WITHIN VALLECITOS WATER DISTRICT EASEMENT REQUIRES INSPECTION.
12. DISTRICT SHALL ASSIGN AN INSPECTOR FOR GRADING JOBS WHERE DISTRICT FACILITIES ARE IMPACTED.
13. A BLASTING PLAN SHALL BE SUBMITTED FOR DISTRICT APPROVAL PRIOR TO THE USE OF EXPLOSIVES NEAR DISTRICT FACILITIES.

**** INSERT NOTES ON EROSION CONTROL SHEET ****

TEMPORARY EROSION CONTROL (PLANTING AND IRRIGATION)

1. ALL PERMANENT AND TEMPORARY EROSION CONTROL PLANTING AND IRRIGATION SHALL BE INSTALLED AND MAINTAINED AS REQUIRED IN SECTION 212 OF THE STANDARD SPECIFICATIONS AND THE FOLLOWING.
2. HYDROSEEDING SHALL BE APPLIED TO:
 - A. ALL SLOPES THAT ARE GRADED 6:1 (HORIZONTAL TO VERTICAL) OR STEEPER WHEN THAT ARE:
 - a. THREE FEET OR MORE IN HEIGHT AND ADJACENT TO A PUBLIC WALL OR STREET,
 - b. ALL SLOPES 4 FEET MORE IN HEIGHT.
 - B. AREAS GRADED FLATTER THAN 6:1 WHEN ANY OF THE FOLLOWING CONDITIONS EXIST:
 - a. NOT SCHEDULED FOR IMPROVEMENTS (CONSTRUCTION OR GENERAL LANDSCAPING) WITHIN 60 DAYS OF ROUGH GRADING,
 - b. IDENTIFIED BY THE PARKS AND RECREATION DIRECTOR AS HIGHLY VISIBLE TO THE PUBLIC HAVE ANY SPECIAL CONDITION IDENTIFIED BY THE CITY ENGINEER THAT WARRANTS IMMEDIATE TREATMENT.
3. HYDROSEEDED AREAS SHALL BE IRRIGATED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:
 - A. ALL SLOPES THAT ARE GRATED 6:1 OR STEEPER THAT ARE:
 - a. THREE TO EIGHT FEET IN HEIGHT SHALL BE IRRIGATED BY HAND WATERING FROM QUICK COUPLERS/HOSE BIDS OR A CONVENTIONAL SYSTEM OF LOW PRECIPITATION SPRINKLER HEADS PROVIDING 100% COVERAGE
 - b. GREATER THAN 8 FEET IN HEIGHT SHALL BE WATERED BY A CONVENTIONAL SYSTEM OF LOW PRECIPITATION SPRINKLER HEADS PROVIDING 100% COVERAGE
 - B. AREAS SLOPED LESS THAN 6:1 SHALL BE IRRIGATED AS APPROVED BY THE CITY ENGINEER, PRIOR TO THE HYDROSEEDING, THE DEVELOPER SHALL SUBMIT A PROPOSED SCHEME TO PROVIDE IRRIGATION TO THE CITY ENGINEER. THE PROPOSAL SHALL BE SPECIFIC REGARDING THE NUMBERS, TYPES AND COSTS OF THE ELEMENTS OF THE PROPOSED SYSTEM.
 - C. IRRIGATION SHALL MAINTAIN THE MOISTURE LEVEL OF THE SOIL AT THE OPTIMUM LEVEL FOR THE GROWTH OF THE HYDROSEED GROWTH.
4. HYDROSEEDING MIX SHALL CONSIST OF THE FOLLOWING:
 - A. SEED MIX SHALL CONSIST OF ALL OF THE FOLLOWING:
 - a. 20 lbs PER ACRE OF ROSE CLOVER
 - b. 20 lbs PER ACRE OF ZORRO FESCUE
 - c. 3 lbs PER ACRE OF E. SCHOOL OR CALIFORNICA
 - d. 4 lbs PER ACRE OF ACHILLEA MILLEFOIUM
 - e. 3 lbs PER ACRE OF ALYSSUM (CARPET OF SNOW)
 - f. 1/2 lb PER ACRE OF DIMORPHELEA
 - g. ITEMS c,d,e, and f of this SUBSECTION MAY BE OMITTED ON LOCATIONS WHERE THE AREA BEING HYDROSEEDED IS NOT VISIBLE FROM EITHER THE PUBLIC STREET RESIDENTIAL STRUCTURES
 - h. ITEM 1.1 of this SUBSECTION MUST BE INOCULATED WITH A NITROGEN FIXING BACTERIA AND APPLIED DRY EITHER BY DRILLING OR BROADCASTING BEFORE HYDROSEEDING
 - i. ALL SEED MATERIALS SHALL BE TRANSPORTED TO THE JOBSITE IN UNOPENED CONTAINERS WITH THE CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE CERTIFICATION TAG ATTACHED TO, OR PRINTED ON SAG CONTAINERS
 - j. NON-PHYTO-TOXIC WETTING AGENTS MAY BE ADDED TO THE HYDROSEED SLURRY AT THE DISCRETION OF THE CONTRACTOR
 - B. TYPE 1 MULCH APPLIED AT THE RATE OF NO LESS THAN 2000 lbs PER ACRE. TYPE 6 MULCH (STRAW) MAY BE SUBSTITUTED, ALL OR PART, FOR HYDRAULICALLY APPLIED FIBER MATERIAL. WHEN STRAW IS USED IT MUST BE ANCHORED TO THE SLOPE BY MECHANICALLY PUNCHING NO LESS THAN 50% OF THE STRAW INTO THE SOIL.
 - C. FERTILIZER CONSISTING OF AMMONIUM PHOSPHATE SULFATE, 16-20-0, WITH 15% SULPHUR APPLIED AT THE RATE OF 500 lbs PER ACRE.
5. AREAS TO BE HYDROSEEDED SHALL BE PREPARED PRIOR TO HYDROSEEDING BY:
 - A. ROUGHENING THE SURFACE TO BE PLANTED BY ANY OR A COMBINATION OF:
 - a. TRACK WALKING SLOPES STEEPER THAN 6:1
 - b. HARROWING AREAS 6:1 OR FLATTER THAT ARE SUFFICIENTLY FRAGILE
 - c. RIPPING AREAS THAT WILL NOT BREAK UP USING ITEMS a OR b ABOVE
 - B. CONDITIONING THE SOILS SO THAT IT IS SUITABLE FOR PLANTING BY:
 - a. ADJUSTING THE SURFACE SOIL MOISTURE TO PROVIDE A DAMP BUT NOT SATURATED SEED BED
 - b. THE ADDITION OF SOIL AMENDMENTS, PH ADJUSTMENT, LEACHING COVERING SALINE SOILS TO PROVIDE Viable CONDITIONS FOR GROWTH.
6. HYDROSEEDED AREAS SHALL BE MAINTAINED TO PROVIDE A VIGOROUS GROWTH UNTIL THE PROJECT IS PERMANENTLY LANDSCAPED OR, FOR AREAS WHERE HYDROSEEDING IS THE PERMANENT LANDSCAPING, UNTIL THE PROJECT IS COMPLETED AND ALL BONDS RELEASED.

EROSION CONTROL NOTES

1. In case emergency work is required, contact _____, phone no. _____, Available 24-hr.
2. Equipment and workers for emergency work shall be made available at all times during the rainy season. All necessary materials shall be stockpiled on site at convenient locations to facilitate rapid construction of temporary erosion control devices when rain is imminent.
3. Erosion control devices shown on plans shall not be moved or modified without the approval of the Engineering Inspector.
5. The Contractor shall restore all erosion control devices to working order, including silt and other debris removal, to the satisfaction of the Engineering Inspector after each run-off producing rainfall.
5. The Contractor shall install additional erosion control measures as may be required by the Engineering Inspector due to uncompleted grading operations or unforeseen circumstances which may arise.
6. The Contractor shall be responsible and shall take necessary precautions to prevent public trespass onto areas where impounded waters create a hazardous condition.
7. All erosion control measures provided per the approved grading plan and/or SWPPP shall be incorporated herein.
8. Graded areas around the project perimeter must drain away from the face of slope at the conclusion of each working day.
9. All removable protective erosion control devices shown shall be in place at the end of each working day when the five-day rain probability forecast exceeds 40%.
10. All gravel bags should be burlap tied with 3/4" inch minimum aggregate.
11. Should germination of hydroseeded slopes fail to provide effective coverage (90%) of graded slopes prior to November 15, the slopes shall be stabilized by punch straw.
12. For projects covered by state SWPPP/JWDID, in accordance with the constructions order issued by the California Regional Water Quality Control Board, the Contractor's Qualifies SWPPP Practitioner (QSP) shall update and maintain the water pollution control (WPC) plan to address updated site conditions of the project.
13. The updated WPC plan and updated SWPPP shall be kept on the project site and made available to the City Inspector.
14. Additional constructions BMP's beyond the original approved SWPPP shall be provided by the contractor to address the site conditions not anticipated. The QSP shall report BMP deficiencies to the City Inspector.
15. The QSP shall obtain approval from the Contractor's Qualified SWPPP designer/developer for any changes to the WPC.

		CITY APPROVED CHANGES							AS-BUILT					
△NO.		DESCRIPTION	AFFECTED SHEETS	EOW APP'D	APP'D BY	DATE	RECOMMENDED FOR APPROVAL		ENGINEER OF WORK	INSPECTED AND RECOMMENDED FOR ACCEPTANCE		ENGINEER OF WORK AS-BUILT CERTIFICATE		
							By: Kyrenne Chua, Principal Civil Engineer R.C.E.: 91911 exp.: 3/31/2027 Date:		By: FIRST LAST NAME R.C.E.: exp.: Date:		Engineering Inspector Date		FIRST LAST NAME RCE 12345 EXP. 6/30/XX DATE:	
							APPROVED FOR CONSTRUCTION		BENCH MARK		CITY OF SAN MARCOS		City Drawing No.	
							By: Isaac Etchamendy, City Engineer R.C.E.: 81294 exp.: 9/30/2027 Date:		Description: Location: Record From: Record of Survey 23731 Elev.: Datum: NAVD88		GRADING PLANS FOR: XXXXXXXX XXXXXXXX XXXXXXXX PROJECT NO. SDPXX-XXXX MF XXXX XXXXXXXX XXXXXXXX XXXXXXXX		IPXX-XXXXX PROJECT NO. SDPXX-XXXX MF XXXX GP25-XXXXX Sheet 2 of X	
VWD AS-BUILT		SAN MARCOS FIRE PROTECTION DISTRICT												
By: _____ Date: _____ NAME (ENGINEER OF WORK) R.C.E. NO. exp.: 6/30/20XX		By: JASON NAILON, FIRE MARSHAL Date: _____ REQUIRED FIRE HYDRANT FLOW *(GPM) APPROVED FIRE HYDRANT FLOW *(GPM) ☐ APPROVED FIRE FLOW INCLUDES MITIGATION MEASURES *GALLON PER MINUTE												
VALLECITOS WATER DISTRICT		VALLECITOS WATER DISTRICT IS NOT RESPONSIBLE FOR MAINTENANCE, REPAIR, OR REPLACEMENT OF FIRE HYDRANTS UNLESS SPECIFIED UNDER SEPARATE AGREEMENT WITH THE JURISDICTIONAL FIRE AGENCY												
PRESSURE ZONE: _____ HGL PUMP ZONE: _____														