

## STANDARD IRRIGATION NOTES

- The developer shall schedule a pre-construction meeting with the Public Works Department landscape inspector via the Development Services Department inspector prior to the commencement of irrigation work. The developer, its landscape architect, and its landscape contractor shall attend the meeting. The meeting shall be at a time and place acceptable to the Public Works landscape inspector. The developer shall provide the landscape inspector with the contact information for the landscape architect, project manager, superintendent, and irrigation and landscape contractor at the meeting.
- The developer shall submit a complete materials list and associated catalog cuts for all manufactured materials to be incorporated in the work to the Public Works Department prior to the start of construction.
- The work shall be constructed in accordance with the developer's City-approved plans, the City's irrigation and landscape standard drawings, the City's Approved Materials List, the Standard Specifications for Public Works Construction, and these standard irrigation notes.
- Review and approval of the developer's plans by the City does not warrant that the plans are accurate and complete. The responsibility for accuracy and completeness of drawings lies solely with the developer.
- Irrigation plans are diagrammatic. The actual location of irrigation improvements shall be in planted areas where possible. Locations of irrigation improvements are subject to the approval of the Public Works Department prior to installation. Irrigation controllers shall be installed "outside" of irrigation coverage.
- All threaded fitting require Teflon tape.
- Above ground irrigation systems are not permitted.
- Control wiring shall be color-coded and labeled at the controller and all junction and valve boxes shall correspond to the appropriate station. Install three additional control wires from the controller to the end of each mainline run.
- Dedicated water and electrical services shall be provided for all irrigation systems and controllers. Contractor shall verify and coordinate locations of irrigation water services and irrigation controller electrical service locations with other trades to ensure they correspond with irrigation water points of connection and controller locations. Electrical and water feeds from private sources are not allowed.
- Controller and communication wire splices shall only be made with Public Works Department approval and, when approved, shall only be made in an approved box with a minimum of three foot loop (six feet of wire).
- Irrigation controllers shall be installed within the limits of the CFD at locations approved by the landscape inspector.
- The developer shall submit the installation certification of the controller assembly fabricator to the Public Works Department prior to the coverage test inspection.
- As-built drawings shall be kept on-site and up to date at all times.
- As-built drawings shall show the locations of:
  - Water services and meter.
  - Electrical services and meter.
  - Backflow assemblies.
  - Controller assemblies.
  - Automatic control valves.
  - Remote control valves with station designation.
  - Isolation and quick coupler valves.
  - Pressure main lines.
  - Control and communication wires.
  - Lateral lines.
  - Steeves.
- Developer shall provide one set of full size (24 inches by 36 inches) refined as-built drawings at the time of mainline pressure test inspection to facilitate the inspection.
- Developer shall submit one set of refined as-builds prepared by the landscape architect at the time of the coverage test inspection. Once the as-builds are approved by the landscape inspector, the landscape architect shall prepare mylars. One set of mylars, and two sets of 24 inch by 36 inch, blue line as-builds shall be submitted to the Public Works Department prior to the commencement of the maintenance period.
- Developer shall submit 11 inch by 17 inch, hermetically sealed, color irrigation station diagrams prior to coverage test inspection. Diagrams shall show the irrigation limits of each station indicated with separate, unique colors.
- The developer shall schedule inspections 48 hours in advance of the work being ready for inspection. Inspections shall be scheduled by calling (760) 752-7550 ext. 3550. If the work is not ready for inspection on the scheduled date and time, the developer shall reschedule the inspection as above. The City may charge the developer for rescheduled inspections and withhold further inspections until such time as the developer pays the re-inspection fee.
- Irrigation inspections are required for the following:
  - Pressure main layout including water service, electrical service, controller, and backflow preventer locations.
  - Excavation and bedding including control and communication wiring.
  - Mainline pressure test (as-builds required).
  - Lateral lines and terminal appurtenances.
  - Preliminary coverage test prior to planting (see required submittals above).
- The irrigation system shall hold 150psi for a minimum of four hours for the mainline pressure test.
- Pressure mainlines shall be "center loaded" and not backfilled until such time as the pressures test has been completed and accepted.
- Projects that are inactive for one year or longer are subject to implementation of all irrigation standards changes that have been adopted by the City of San Marcos during the period of inactivity.
- Excavation for new irrigation systems in existing landscaped areas shall be performed by hand unless otherwise approved by the Public Works Department, and shall be outside of existing tree drip lines.

## BUILDING AND GROUNDS NOTES

- All public playground equipment supplied to a project shall comply with all applicable provisions of the current "Handbook for Public Safety" published by Consumer Product Safety Commission (CPSC) and the American Society of Testing and Materials F1487-98, "Standard Consumer Safety Performance Specifications for Playground Equipment for Public Use". All products shall bear the certification seal of the International Play Equipment Manufacturers Association. All designs shall meet or exceed the most current edition of the Americans with Disabilities Act (ADA) "Final Guidelines for Play Areas". All manufacturers must be certified by the International Organization for Standardization.
- Play equipment, structures, and surfaces shall be installed by a contractor certified by the CPSC.
- Play equipment, structures, and surfaces shall be inspected, audited, and certified by an independent inspector certified by the CPSC. The audit and certification shall be submitted to the Public Works Department prior to the acceptance of the maintenance and establishment period.
- All improvements shall meet all requirements of the ADA.

## STANDARD PLANTING NOTES

- The work shall be constructed and maintained in accordance with the developer's City approved plans, irrigation and landscape standard drawings, Approved Materials List, and these standard planting notes.
- Soil samples for amendment testing shall be taken after completion of grading and prior to weed control and soil preparation at a minimum of three locations approved by the Public Works Department. Tests shall be performed by an approved laboratory. Tests performed shall include, but are not limited to: organic matter content, N/P/K, Ph, electrical conductivity, and percent silt, sand, and clay. Test results and application recommendations shall be submitted to the Public Works Department prior to application of amendments. Amendments shall be applied pursuant to the laboratory and manufacturers recommendations.
- Control weeds by watering for three weeks to adequately germinate the seedbed and then apply a post-emergent herbicide by a licensed applicator and wait as directed by the manufacturer before planting.
- Percolation tests shall be performed on all tree planting pits. Pits shall be filled with 18 inches of water and allowed to drain completely. Pits shall then be filled with 12 inches of water and allowed to drain. The second fill must drain at a minimum rate of one inch per hour, for a four-hour duration.
- Tree well drain systems shall be installed pursuant to City of San Marcos Standard Drawings when percolation tests fail.
- The developer shall provide positive drainage in all landscape areas.
- The developer shall schedule inspections 48 hours in advance of the work being ready for inspection. Inspections shall be scheduled by calling (760) 752-7550 ext. 3550. If the work is not ready for inspection on the scheduled date and time, the developer shall reschedule the inspection as above. The City may charge the developer for rescheduled inspections and withhold further inspections until such time as the developer pays the re-inspection fee.
- Planting inspections are required for the following:
  - Tree planting pit percolation tests (both fills).
  - Plant material layout prior to planting.
  - Plant material quality prior to planting.
  - Amendment verification (prior to application).
  - Plant material installation.
  - Pre-maintenance period irrigation coverage inspection (punch list developed).
  - Pre-maintenance period plant material inspection (punch list developed).
  - Pre-maintenance period final punch list completion inspection.
  - End of maintenance period inspection (30 days prior to the scheduled end of the maintenance period; punch list developed).
  - Final maintenance period inspection (end of maintenance period punch list work completed by developer).
- Trees supplied to the project shall meet the following minimum standards:
  - Trees shall have a straight trunk with a symmetrical crown.
  - Trees shall have a substantial, single, central leader.
  - Trees shall not be discolored, sunken, or swollen and shall be free of cuts and scrapes or other damage.
  - Trees showing galleries, sun scald, or frost damage will not be accepted.
  - The caliper of the tree shall be in proportion to the root ball.
  - Trees with girdling roots wrapping around the trunk or otherwise root bound will not be accepted.
  - Trees trunks more than 10 percent off center will not be accepted.
  - Freshly pruned trees will not be accepted.
- Pruning shall only be performed at the direction of the landscape inspector.
- Projects which remain inactive for one year or longer are subject to all planting standards changes that have been adopted by the City of San Marcos during the period of inactivity.

## CFD MAINTENANCE + ESTABLISHMENT PERIOD STANDARD NOTES

- The maintenance and establishment (M&E) period shall be for a duration of two years.
- The following items are required prior to the commencement of the M&E period:
  - As-built drawings approved by landscape architect and City and final mylars and blue lines submitted to the Public Works Department.
  - Pre-maintenance period inspection performed and resulting punch list work completed.
  - The developer shall submit a written request to commence the M&E period to the Public Works Department. The request shall be accompanied by the developer's two year landscape maintenance contract, schedule of maintenance activities, and performance bond in the amount of 150 percent of the maintenance contract. The performance bond shall cover maintenance and repairs necessary to satisfactorily complete the maintenance period.
  - Irrigation and landscape maintenance shall only be performed by a contractor with a C-27 Landscaping Contractor license issued by the State of California.
  - The developer shall inform the City, in writing, of its intention to substitute the maintenance contractor prior to formally making any substitution. The developer shall submit a fully executed copy of the new maintenance contract to the City prior to the substitute contractor starting work.
- The Public Works Department will inform the developer of the commencement date for the M&E period writing after the above items are satisfactorily completed and accepted.
- The developer shall continuously maintain the irrigation, landscape, and other improvements included in the CFD at its cost for the duration of the maintenance period.
- The Public Works Department will be the sole judge of whether the irrigation and landscape improvements are being adequately maintained. The contractor will be notified in writing in the form of correction notices should these improvements not be adequately maintained. The contractor shall have five working days to resolve any deficiencies communicated via correction notice or will be subject to discontinuance and subsequent extension of the M&E period until such time as the deficiencies have been corrected and accepted by the Public Works Department.
- Irrigation and landscape maintenance shall include but is not limited to:
  - Regular monitoring, adjustment, and repair of the irrigation system.
  - Appropriate watering of plant material.
  - Regular weeding.
  - Prompt replacement of dead, dying or damaged plant material.
  - Pruning of trees as directed by the Public Works Department.
  - Filling and compacting settled trenches and eroded areas.
  - Daily (seven days per week) removal and disposal of trash, litter, and foreign debris.
  - Weekly mowing of turf areas and removal of grass clippings.
  - Removal of turf by shovel cutting within 12 inches of trees less than 24 inch box and 18 inches within trees of 24 inch box and greater and maintaining four inches of bark mulch.
  - Necessary pest control by a licensed pest control applicator.
  - Fertilizing as necessary to maintain plant material in a healthy, vigorous condition.

## CITY OF SAN MARCOS

### CFD LANDSCAPE PLANS FOR

XXXXXXXXXXXXXX

### cont. CFD MAINTENANCE + ESTABLISHMENT PERIOD STANDARD NOTES

- Fuel Management Zones (100 feet from structures) as shown.
- Regular cleaning of drainage structures within the CFD.
- Proper trimming of shrubs to leave them in a natural form typical of the particular plant.
- Pruning or balling shrubs is not permitted.
- Maintenance of all appurtenant improvements included in the CFD.
- The developer shall transmit:
  - All final submittal documents and equipment.
  - Water and electric meter serial numbers, addresses, sizes, and utility company billing information including a one year billing history.
  - Well system information including but not limited to output and depth, catalogue cuts and maintenance and operations manuals for all cabinet keys.
  - Quick couple keys and swivel (one for every five quick couplers installed).
  - Building keys (two sets).
  - One "T" handle shut-off key.
  - Current backflow certification.
  - Irrigation controller schedules.
  - Any items specified on the plans to the City 90 days prior to their proposed M&E period acceptance date.
- Failure to do so shall be cause to extend the maintenance period by the number of days after the aforementioned date that the final submittals are made.
- The developer shall schedule a final maintenance period inspection one month prior to the proposed two year M&E period completion date. The developer shall submit a written request to the City for acceptance of the M&E period upon satisfactorily completing all final punch list work. The City will provide the developer with written confirmation of acceptance of the M&E period.

### OWNER

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

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

### PREPARED BY

PREPARED NAME  
COMPANY NAME  
ADDRESS

TELEPHONE NO.  
EMAIL

### DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE LANDSCAPE ARCHITECT FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE LANDSCAPE DESIGN OF THIS PROJECT, SHEET #1 THRU #8, 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 LANDSCAPE ARCHITECT OF MY RESPONSIBILITIES FOR THE PROJECT LANDSCAPE DESIGN.



XXXXXXX License No. 12345 EXP. 6/30/XX DATE: \_\_\_\_\_

### 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

### REFERENCE DRAWINGS:

WD DWG. XXXX  
SM DWG. NO. XX-XXXX

### SHEET INDEX

SHEET NO.	DESCRIPTION
X	LANDSCAPE TITLE SHEET
X	LANDSCAPE CONSTRUCTION PLAN
X	IRRIGATION PLAN
X-X	PLANTING PLAN

### LANDSCAPE ARCHITECT OF WORK

By: \_\_\_\_\_  
First Last Name  
License No.: \_\_\_\_\_ exp.: \_\_\_\_\_  
Date: \_\_\_\_\_  
RECOMMENDED FOR APPROVAL  
By: \_\_\_\_\_  
Andrew Proud, Landscape Inspection Supervisor  
Date: \_\_\_\_\_  
APPROVED FOR CONSTRUCTION  
By: \_\_\_\_\_  
Isaac Etchamendy, City Engineer  
R.C.E. No. 81294 exp.: 9/30/2027  
Date: \_\_\_\_\_

LANDSCAPE ARCHITECT OF WORK AS-BUILT CERTIFICATE  
AS THE LANDSCAPE ARCHITECT 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.  
DATE: \_\_\_\_\_  
Name License No. 12345 EXP. 6/30/XX  
Public Works Inspector Date  
ISAAC ETCHAMENDY 81294 9/30/2027  
DATE: \_\_\_\_\_

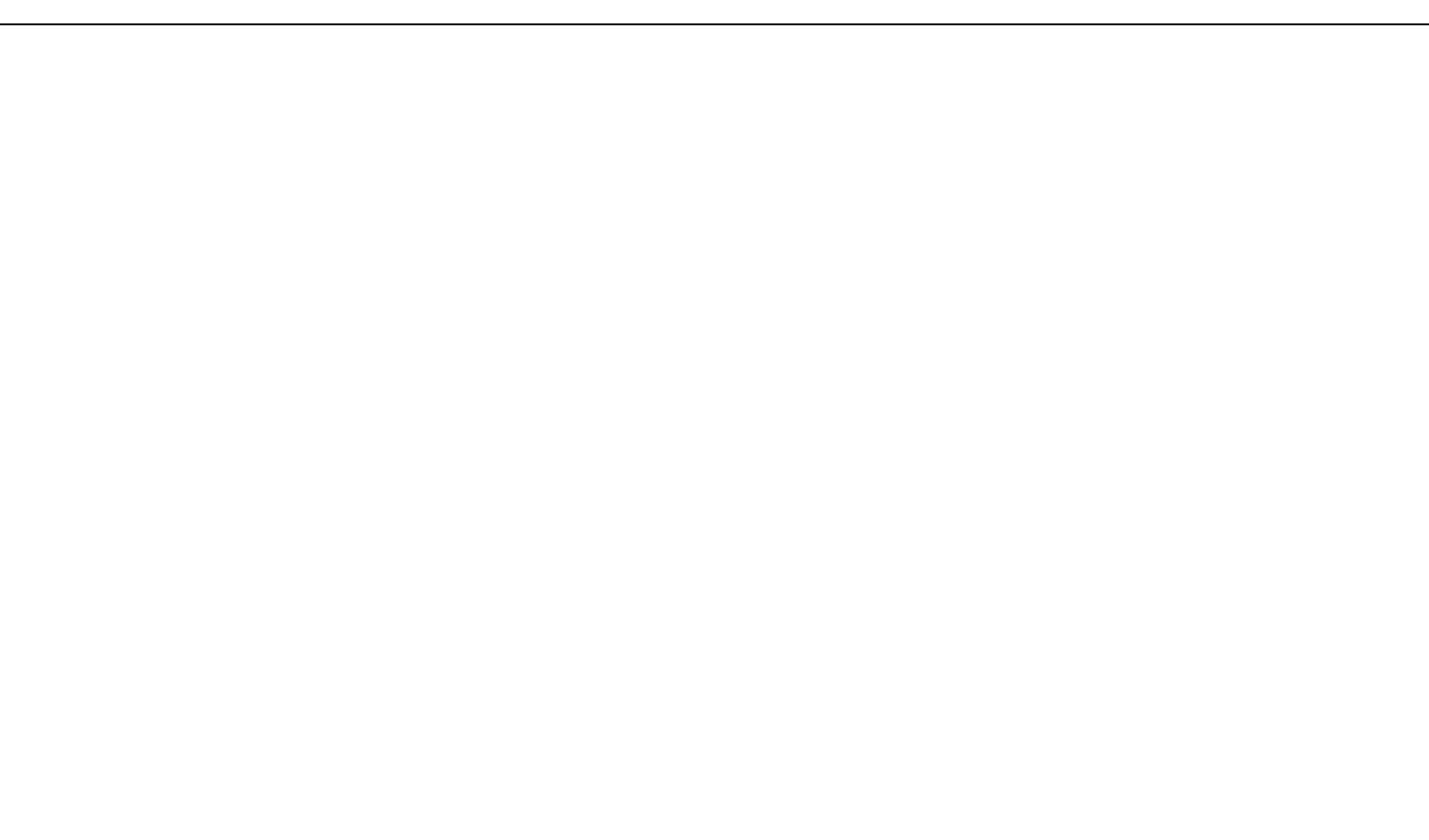
## WORK TO BE DONE

THE IMPROVEMENTS CONSISTS OF THE FOLLOWING WORK TO BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING DOCUMENTS:

- SAN DIEGO AREA REGIONAL STANDARD DRAWINGS
- STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREEN BOOK")
- CITY OF SAN MARCOS SUPPLEMENT TO THE GREENBOOK ("STANDARD SPECIAL PROVISIONS")
- CITY OF SAN MARCOS MUNICIPAL CODE
- STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARDS PLANS
- STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS
- STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS
- VALLECITO'S WATER DISTRICT STANDARD DRAWINGS AND SPECIFICATIONS
- CITY OF SAN MARCOS BMP DESIGN MANUAL

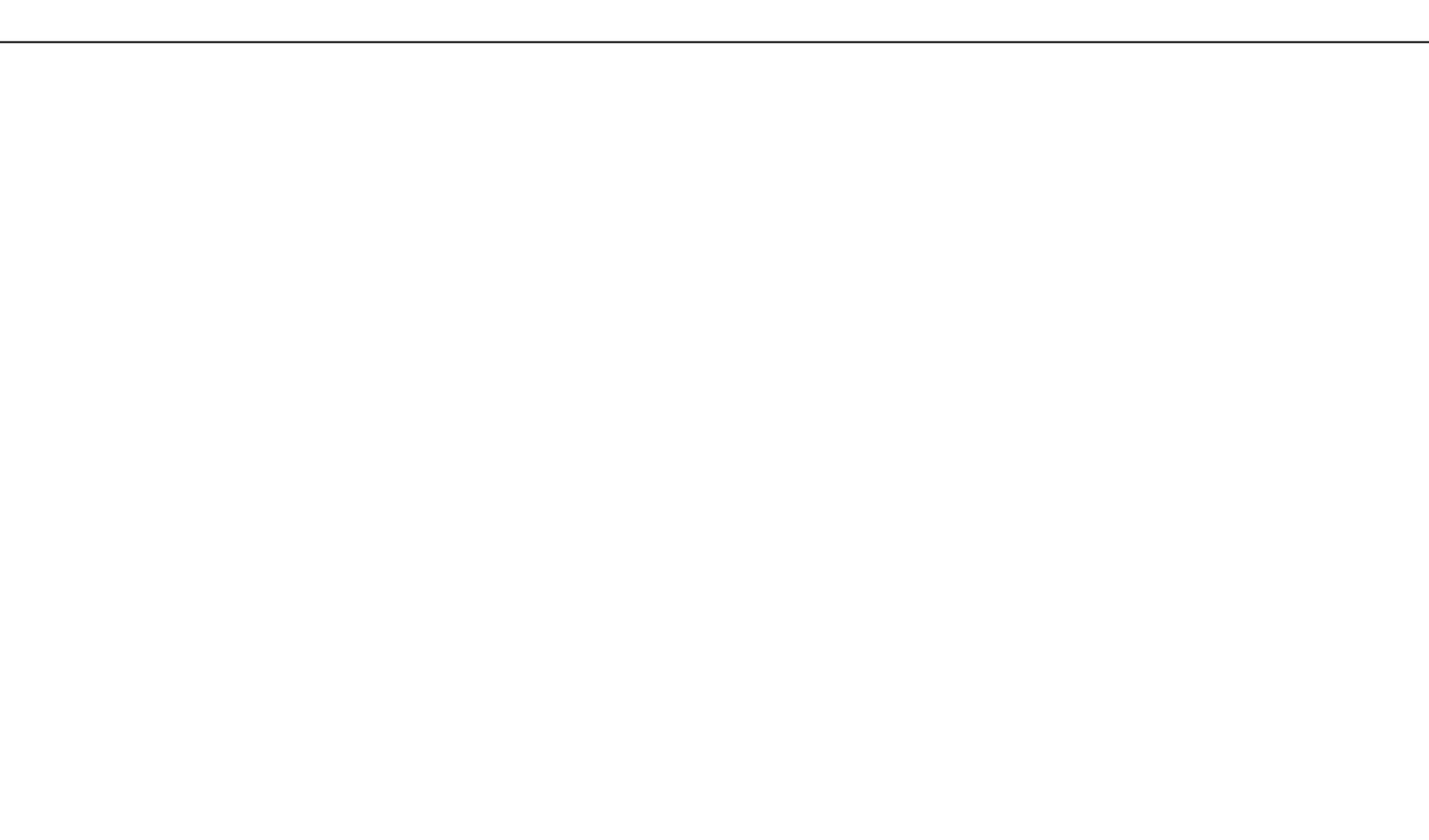
SPECIFIC REPORT NAME	PREPARED BY	DATE	UPDATES
GEOTECHNICAL			
SWAMP			
SWPPP			
HYDROLOGY/HYDRAULIC			

## SEE LEGEND ON SHEET X



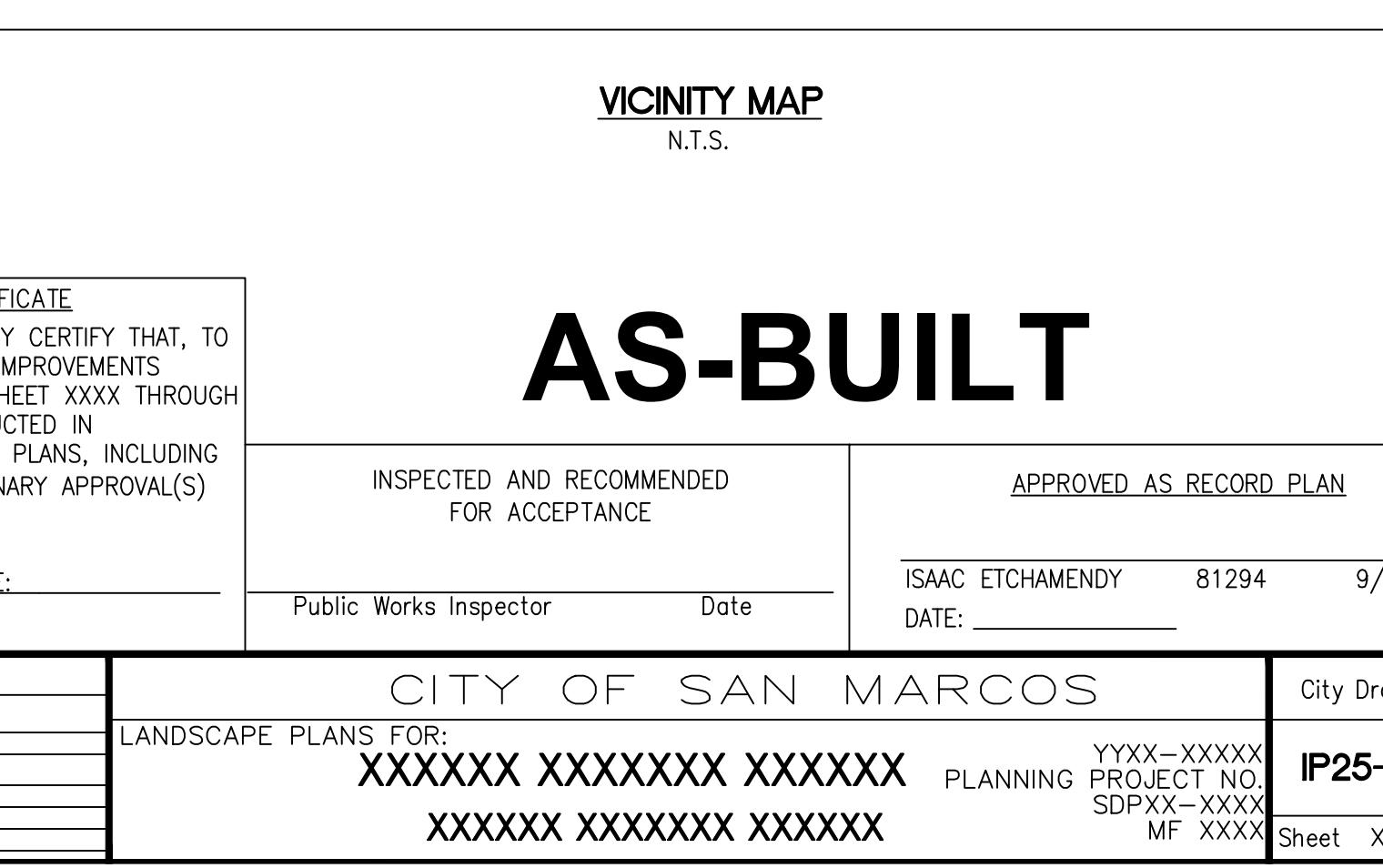
## SITE MAP

N.T.S.



## VICINITY MAP

N.T.S.

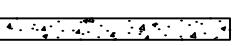
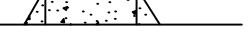
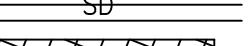
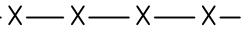


## AS-BUILT

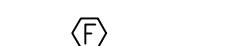
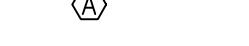
VALLECITO'S WATER DISTRICT		SAN MARCOS FIRE PROTECTION DISTRICT	
APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE		Date: _____	
By: _____ ELIZABETH LOPEZ, P.E. R.C.E. NO. 79789 exp.: 6/30/2026 APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED		By: _____ JASON NAILON, FIRE MARSHAL APPROVED FIRE HYDRANT FLOW * (GPM) APPROVED FIRE FLOW INCLUDES MITIGATION MEASURES * (GPM PER MINUTE)	
PRESSURE ZONE: _____ HGL		VWD AS-BUILT	
By: _____ NAME (ENGINEER OF WORK)		R.C.E. NO. _____ exp.: 6/30/20XX	

CITY APPROVED CHANGES					
△NO.	DESCRIPTION	AFFECTED SHEETS	AOW APP'D	APP'D BY	DATE
RECOMMENDED FOR APPROVAL					
By: _____ Andrew Proud, Landscape Inspection Supervisor Date: _____					
APPROVED FOR CONSTRUCTION					
By: _____ Isaac Etchamendy, City Engineer R.C.E. No. 81294 exp.: 9/30/2027 Date: _____					
BENCH MARK		CITY OF SAN MARCOS			
Description: _____		CITY DRAWING NO. _____			
Location: _____		LANDSCAPE PLANS FOR: XXXXXX XXXXXXXX XXXXXX PLANNING YXXX-XXXX SDPXX-XXXX			
Elev.: _____		XXXXXX XXXXXXXX XXXXXX MF XXXX Elev.: _____ Datum: NAVD88			

## LEGEND

ITEM	QTY	STD DWG	SYMBOL
PROPERTY LINE			—P—
RIGHT OF WAY LINE			—R/W—
PROPOSED CONCRETE SIDEWALK	XXX SF	G-7 & G-9	
PROPOSED DRIVEWAY APPROACH	XXX SF	G-14	
6" DIP WATERLINE			—W—
FIRE HYDRANT	XX EA	VWD W-4 & W-5	
STORM DRAIN PIPE			—SD—
STORM DRAIN TRENCH	XXXX SF	SDRS D-60	
RETAINING WALL			
FENCE			—X—X—X—X—X—
EXISTING PED. RAMP			
EXISTING STREET LIGHT			
EXISTING WATER			—W—
EXISTING FIRE HYDRANT			—W— 
EXISTING SEWER			—S—
EXISTING GAS			—G—
EXISTING TELECOMMUNICATIONS			—T—
EXISTING ELECTRICAL			—E—
EXISTING CABLE TV			—CATV—

## IRRIGATION LEGEND

ITEM	QTY	STD DWG	SYMBOL
FLUSH VALVE			
AIR/VACUUM RELIEF VALVE			
MP ROTATOR			
DRIP CONTROL ZONE KIT			
PIPE TRANSITION POINT ABOVE GRADE			
REMOTE CONTROL VALVE			
QUICK COPPER VALVE			
FULL BLOCK TRUE UNION BALL VALVE			
BRASS ELECTRIC MASTER VALVE			
BRASS ATMOSPHERIC VACUUM BREAKER			
REDUCED PRESSURE BACKFLOW DEVICE			
6 STATION CONTROLLER (PRIVATE HOMEOWNER CONTROLLER)			
WATER METER			
IRRIGATION LINE			—IR—

VALLECITOS WATER DISTRICT		SAN MARCOS FIRE PROTECTION DISTRICT		CITY APPROVED CHANGES											
APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT COMMIT DISTRICT TO SUPPLYING WASTEWATER SERVICES TO THIS PROJECT OR GUARANTEE THAT WATER WILL BE AVAILABLE		By: <u>JASON NAILON, FIRE MARSHAL</u> Date: <u>  </u>		DESCRIPTION		AFFECTED SHEETS	AOW APP'D	APP'D BY	DATE						
By: <u>ELIZABETH LOPEZ, P.E.</u> Date: <u>  </u> DISTRICT ENGINEER R.C.E. NO. <u>79789</u> exp.: <u>6/30/2026</u> APPROVAL VALID FOR EIGHTEEN (18) MONTHS FROM DATE SIGNED		By: <u>  </u> Date: <u>  </u>		REQUIRED FIRE HYDRANT FLOW <u>  </u> *(GPM)											
				APPROVED FIRE HYDRANT FLOW <u>  </u> *(GPM)											
				□ APPROVED FIRE FLOW INCLUDES MITIGATION MEASURES *GALON 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		VALLECITOS WATER DISTRICT		VWD AS-BUILT											
PRESSURE ZONE: <u>  </u> HGL		By: <u>  </u> Date: <u>  </u> NAME (ENGINEER OF WORK)		R.C.E. NO. <u>  </u> exp.: <u>6/30/20XX</u>											
PUMP ZONE: <u>  </u>															
RECOMMENDED FOR APPROVAL										LANDSCAPE ARCHITECT OF WORK		LANDSCAPE ARCHITECT OF WORK AS-BUILT CERTIFICATE		INSPECTED AND RECOMMENDED FOR ACCEPTANCE	
By: <u>Andrew Proud, Landscape Inspection Supervisor</u> Date: <u>  </u>										By: <u>First Last Name</u> License No.: <u>  </u> exp.: <u>  </u> Date: <u>  </u>		Name: <u>  </u> License No. <u>12345</u> EXP. <u>6/30/XX</u>		DATE: <u>  </u> Public Works Inspector Date	
APPROVED FOR CONSTRUCTION										BENCH MARK		CITY OF SAN MARCOS		City Drawing No.	
By: <u>Isaac Etcharandy, City Engineer</u> R.C.E.: <u>81294</u> exp.: <u>9/30/2027</u> Date: <u>  </u>										Description: <u>  </u> Location: <u>  </u> Record From: <u>  </u> Record of Survey 23731 Elev.: <u>  </u> Datum: NAVD88		LANDSCAPE PLANS FOR: <u>XXXXXX XXXXXXXX XXXXXX</u>		PLANNING YYXX-XXXX PROJECT NO. SDXX-XXXX MF XXXX	
												<u>IP25-XXXX</u>		Sheet X of X	



AS-BUILT