

18.148.060: PROJECT INFORMATION

DATE: _____

PROJECT APPLICANT: _____

PROJECT ADDRESS: _____

TOTAL LANDSCAPE AREA (SF): _____

PROJECT TYPE: _____
(NEW, REHABILITATED, PUBLIC, PRIVATE, CEMETERY, HOMEOWNER-INSTALLED)

WATER SUPPLY TYPE : _____
(POTABLE/RECYCLED/WELL)

LOCAL WATER PURVEYOR: _____

18.148.060: LANDSCAPE DOCUMENTATION PACKAGE

- L0.0 WELO DOCUMENTATION COVER SHEET
- L1.0 LANDSCAPE DESIGN PLAN
 - INCLUDING HYDROZONE MAP AND SOIL REPORT
- L2.0 IRRIGATION DESIGN PLAN
- GRADING DESIGN PLAN BY CIVIL, SEE PROJECT PACKAGE

18.148.090: LANDSCAPE DESIGN PLAN

THE LANDSCAPE IS DESIGNED TO COMPLY WITH WELO, THE STATE OF CALIFORNIA WATER EFFICIENT LANDSCAPE ORDINANCE.

1. THE DESIGN IS DROUGHT RESILIENT AND FIRE RESISTANT
2. TURF DOES NOT EXCEED 25% OF THE TOTAL LANDSCAPE AREA
3. SPECIES ARE SELECTED WITH CONSIDERATION OF THEIR WATER USE
4. PLANTS ARE PLACED IN APPROPRIATE MICROCLIMATES
5. PLANTS ARE GROUPED IN HYDROZONES BASED ON SIMILAR WATER NEEDS AND EXPOSURES.
6. HYDROZONES ARE DELINEATED AND LABELLED.

18.148.100: IRRIGATION DESIGN PLAN

18.148.100 THE IRRIGATION SYSTEM IS DESIGNED COMPLY WITH WELO, THE STATE OF CALIFORNIA WATER EFFICIENT LANDSCAPE ORDINANCE.

1. THE DESIGN OF THE IRRIGATION SYSTEM CONFORMS TO THE HYDROZONES OF THE LANDSCAPE DESIGN PLAN.
2. THE SYSTEM IS DESIGNED TO REDUCE WATER USE TO THE MINIMUM AMOUNT TO SUSTAIN HEALTHY PLANT GROWTH AND TO PREVENT RUNOFF, LOW HEAD DRAINAGE AND OVERSPRAY.
3. BACKFLOW PROTECTION IS INSTALLED AT THE POINT OF CONNECTION.
4. A SEPARATE DEDICATED WATER METER OR SUBMETER IS PROVIDED.
5. A SMART CONTROLLER WITH NON-VOLATILE MEMORY AND UTILIZING EVAPOTRANSPIRATION OR SOIL MOISTURE DATA FOR SCHEDULING IS INSTALLED WEATHER SENSORS ARE PROVIDED.
6. STATIC WATER PRESSURE AT THE POINT OF CONNECTION IS PROVIDED.
7. PRESSURE REGULATION IS PROVIDED.
8. A MASTER SHUT-OFF VALVE IS INSTALLED.
9. A FLOW SENSOR IS INSTALLED.
10. MANUAL SHUT-OFF VALVES ARE PROVIDED AT THE POINT OF CONNECTION, BEFORE EACH VALVE ASSEMBLY AND BEFORE AND AFTER EACH SLEEVE CROSSING PAVEMENT.
11. SEPARATE VALVES ARE USED TO IRRIGATE EACH HYDROZONE.
12. PROVIDE A SCHEDULE:
 - A. FOR ZONES WITH DEEP ROOTED TREES SCHEDULE THE STATIONS TO RUN AT A LOW FREQUENCY AND LONG DURATION
 - B. FOR ZONES WITH MEDIUM ROOTED SHRUBS SCHEDULE THE STATIONS TO RUN AT A MEDIUM FREQUENCY AND MEDIUM DURATION .
 - C. FOR ZONES WITH SHALLOW ROOTED GROUNDCOVERS SCHEDULE THE STATIONS TO RUN AT A HIGH FREQUENCY AND SHORT DURATION.

18.148.080: WATER EFFICIENT LANDSCAPE WORKSHEET

INSERT CALCS HERE

18.148.070: SOIL MANAGEMENT REPORT

1. PER WELO 18.148.070 A (2)(b) IF SIGNIFICANT MASS GRADING IS PLANNED.
2. CONTRACTOR SHALL TEST SOIL AND PROVIDE SOIL ANALYSIS REPORT TO DESIGNER AND OWNER AFTER CONSTRUCTION IS COMPLETE AND BEFORE PLANTING IS INSTALLED.
3. CONDUCT SOIL SAMPLING IN ACCORDANCE WITH ALL LABORATORY PROTOCOLS.
4. THE SOIL TEST SHALL INCLUDE: SOIL TEXTURE, INFILTRATION RATE, PH, TOTAL SOLUBLE SALTS, SODIUM, PERCENT ORGANIC MATTER AND RECOMMENDATIONS FOR ORGANIC AMENDMENTS AND COMPOST
5. SUBMIT SOIL TEST REPORT BY ACCREDITED SOILS LAB SOIL PLANT LAB. TAKE SAMPLES FROM A MINIMUM OF 3 LOCATIONS (FRONT, MIDDLE AND BACK) OF SITE. FOLLOW SAMPLING INSTRUCTIONS FROM LAB. REQUEST ORGANIC AMENDMENTS.
6. COMPOST: PER THE WATER EFFICIENT LANDSCAPE ORDINANCE, A MINIMUM OF FOUR CUBIC YARDS OF COMPOST PER 1,000 SQUARE FEET OF PERMEABLE AREA TO A DEPTH OF SIX INCHES SHALL BE APPLIED FOR THE PURPOSE OF REDUCING EVAPORATION, SUPPRESSING WEEDS, MODERATING SOIL TEMPERATURE AND PREVENTING SOIL EROSION.
7. SOIL PREPARATION:
 - A. TOPDRESS PLANTING AREAS WITH A MINIMUM OF 6CY/1000 SF OF ORGANIC COMPOST TO THE ENTIRE PLANTING AREA.
 - B. DO NOT TILL. TILLING DAMAGES SOIL STRUCTURE AND RELEASES CARBON INTO THE ATMOSPHERE.
8. MOISTURE CONTENT: DO NOT WORK ON OR AROUND THE SOIL WHEN MOISTURE CONTENT IS SO GREAT THAT COMPACTION WILL OCCUR, NOR WHEN IT IS SO DRY THAT DUST WILL FORM, OR WHEN SOIL CLOUDS WILL NOT BREAK READILY. APPLY WATER IF NECESSARY TO BRING SOIL TO OPTIMUM MOISTURE CONTENT TO COMPLETE THE SPECIFIED WORK.
9. MULCH: PER THE WATER EFFICIENT LANDSCAPE ORDINANCE, A MINIMUM 3-INCH LAYER OF ORGANIC MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES FOR THE PURPOSE OF REDUCING EVAPORATION, SUPPRESSING WEEDS, MODERATING SOIL TEMPERATURE AND PREVENTING SOIL EROSION.
10. CONTRACTOR SHALL SUBMIT DOCUMENTATION VERIFYING IMPLEMENTATION OF SOIL ANALYSIS REPORT RECOMMENDATIONS TO THE LOCAL AGENCY WITH CERTIFICATE OF COMPLETION.

18.148.020: APPLICABILITY

THIS PLAN SHEET IS FOR USE BY
1) NEW LANDSCAPES ≥ 500 SF. (IF BETWEEN 500 - 2,500 SF MAY COMPLY WITH PRESCRIPTIVE MEASURES IN APPENDIX D.)
2) REHABILITATED LANDSCAPES ≥ 2,500 SF.

TITLE 24, PART 11, CALIFORNIA GREEN BUILDING CODE (CALGREEN)
<http://www.bsc.ca.gov/Home/CALGreen.aspx>

STATE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE:
<http://www.water.ca.gov/wateruseefficiency/landscapeordinance/docs/Title%2023%20extract%20-%20Official%20CCR%20pages.pdf>

PHASE 1: PRE-CONSTRUCTION SIGNATURES

18.148.060: LANDSCAPE DOCUMENTATION PACKAGE

I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE.

APPLICANT SIGNATURE _____ DATE _____

18.148.090: LANDSCAPE DESIGN PLAN

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

SIGNATURE * _____ DATE _____
*LICENSED LANDSCAPE ARCHITECT, LICENSED LANDSCAPE CONTRACTOR OR OTHER AUTHORIZED PERSON

18.148.100: IRRIGATION DESIGN PLAN

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

SIGNATURE * _____ DATE _____
*LICENSED LANDSCAPE ARCHITECT, CERTIFIED IRRIGATION DESIGNER, LICENSED LANDSCAPE CONTRACTOR, OR OTHER PERSON AUTHORIZED TO DESIGN AN IRRIGATION SYSTEM

PHASE 2: POST-CONSTRUCTION SIGNATURES & ATTACHMENTS:

18.148.020: CERTIFICATE OF COMPLETION

I CERTIFY THAT THE LANDSCAPE HAS BEEN INSTALLED PER THE APPROVED LANDSCAPE DOCUMENTATION PACKAGE.

SIGNATURE * _____ DATE _____
*SIGNER OF THE LANDSCAPE DESIGN PLAN, THE SIGNER OF THE IRRIGATION DESIGN PLAN OR THE LICENSED LANDSCAPE CONTRACTOR

18.148.140: IRRIGATION SCHEDULING
ATTACH PARAMETERS FOR SETTING THE IRRIGATION SCHEDULE ON CONTROLLER.

18.148.150: MAINTENANCE
ATTACH SCHEDULE OF LANDSCAPE AND IRRIGATION MAINTENANCE

18.148.130: AUDIT
LOCAL AGENCY OR THIRD PARTY CERTIFIED IRRIGATION AUDITOR SHALL PERFORM AUDIT. ATTACH LANDSCAPE IRRIGATION AUDIT REPORT.

18.148.130: LANDSCAPE INSPECTION
ATTACH LANDSCAPE INSPECTION CHECKLIST DOCUMENT

18.148.070: SOIL MANAGEMENT REPORT
ATTACH SOIL ANALYSIS REPORT
ATTACH DOCUMENTATION VERIFYING IMPLEMENTATION OF RECOMMENDATIONS FROM SOIL ANALYSIS REPOT

AGENCY STAMP

PANORAMIC
DESIGN GROUP
LANDSCAPE
ARCHITECTURE
510-367-3028
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STAMP:

CLIENT:

CLIENT
ADDRESS
CITY, CA

PROJECT:

PROJECT NAME
ADDRESS
CITY, CA

SUBMITTAL:

DATE SUBMITTAL



SHEET TITLE:

WATER
EFFICIENT
LANDSCAPE
ORDINANCE
DOCUMENTATION

SHEET #:

L0.0

PLOT DATE: 180113