

CITY OF SOLANA BEACH

SOLANA BEACH CITY COUNCIL, SUCCESSOR AGENCY TO THE REDEVELOPMENT AGENCY, PUBLIC FINANCING AUTHORITY, AND HOUSING AUTHORITY

AGENDA

Joint SPECIAL Meeting

Wednesday, December 15, 2021 * 6:00 p.m.

Teleconference Location Only-City Hall/Council Chambers, 635 S. Highway 101, Solana Beach, California This meeting will be conducted in accordance with California Government Code sections 54953(e) and 54954.3 and other applicable law.

MEETING LOCATION WILL NOT BE OPEN TO THE PUBLIC

Be advised that due to the COVID-19 pandemic in-person participation will not be allowed, there will be <u>no</u> members of the public in attendance at Council Meetings. Alternatives to in-person attendance for viewing and participating in City Council meetings are provided below.

AGENDA MATERIALS

A full City Council agenda packet including relative supporting documentation is posted online www.cityofsolanabeach.org Closed Session Agendas are posted at least 72 hours prior to regular meetings and at least 24 hours prior to special meetings.

WATCH THE MEETING

- <u>Live web-streaming:</u> Meetings web-stream live on the City's website on the City's <u>Public Meetings</u> webpage. Find the large Live Meeting button.
- <u>Live Broadcast on Local Govt. Channel:</u> Meetings are broadcast live on Cox Communications -Channel 19 / Spectrum (Time Warner)-Channel 24 / AT&T U-verse Channel 99.
- Archived videos online: The video taping of meetings are maintained as a permanent record and contain a detailed account of the proceedings. Council meeting tapings are archived and available for viewing on the City's Public Meetings webpage.

PUBLIC COMMENTS

- Written correspondence (supplemental items) regarding an agenda item at an open session meeting should be submitted to the City Clerk's Office at clerkoffice@cosb.org with a) Subject line to include the meeting date b) Include the Agenda Item # as listed on the Agenda.
- Correspondence received after the official posting of the agenda, but before 3:00 p.m. (or 3 hrs. prior
 to the meeting start time) on the meeting day, will be distributed to Council and made available online
 along with the agenda posting. All submittals received before the start of the meeting will be made part
 of the record.
- o Written submittals will be added to the record and not read out loud.
- The designated location for viewing supplemental documents is on the City's website www.cityofsolanabeach.org on the posted Agenda under the relative Agenda Item.

OR

<u>Verbal Comment Participation</u>: If you wish to provide a live verbal comment during the meeting, attend the virtual meeting via your computer or call in.

Before Meeting

<u>Delore Meeting</u>

- Alert Clerk's Office. We ask that you alert us that you will joining the meeting to speak. Please
 email us at <u>clerkoffice@cosb.org</u> to let us know which item you will speak on. This allows our Staff
 to manage speakers more efficiently.
- Watch the Meeting and Make a Public Comment
 You can watch the meeting on the Live Meeting button on the Public Meetings page <u>OR</u> on TV at the stations provided above OR on the zoom event:

Link: https://cosb-org.zoom.us/j/84240018250

Webinar ID: 842 4001 8250

If you cannot log on or need to use a phone for audio quality, use one of these call-in numbers: 888 475 4499 (Toll Free) or 833 548 0276 (Toll Free)

- Join/Log-In to the meeting at least 15 minutes prior to the start time so that the City Clerk can verify that you are ready to speak before the meeting begins.
- Audio Accessibility: If your computer does not have a microphone or you have sound issues, you can call-in from a landline or cell phone and use it as your audio (phone # is provided once you log-

in to Zoom, see above). If you call in for better audio, mute your computer's speakers to eliminate feedback so that you do not have two audios when you are speaking.

During Meeting:

- During each Agenda Item and Oral Communications, attendees will be asked if they would like to speak. Speakers are taken during each agenda item.
- Speakers will be asked to raise their hand (zoom icon under participants can be clicked or on the phone you can dial *9) if they would like to be called on to speak during each item. We will call on you by your log in name or the last 4 digits of your phone #. When called on by the meeting organizer, we will unmute so you may provide comments for the allotted time. Allotted speaker times are listed under each Agenda section.
- o Choose Gallery View to see the presentations, when applicable.

SPECIAL ASSISTANCE NEEDED - AMERICAN DISABILITIES ACT TITLE 2

In compliance with the Americans with Disabilities Act of 1990, persons with a disability may request an agenda in appropriate alternative formats as required by Section 202. Any person with a disability who requires a modification or accommodation in order to participate in a meeting should direct such request to the City Clerk's office (858) 720-2400 clerkoffice@cosb.org at least 72 hours prior to the meeting.

CITY COUNCILMEMBERS					
Lesa Heebner , Mayor					
Kelly Harless Kristi Becker Deputy Mayor Councilmember District 1 David A. Zito Councilmember Councilmember District 1 David A. Zito Councilmember District 3					
Gregory Wade City Manager	Johanna Canlas City Attorney		Angela Ivey City Clerk		

SPEAKERS:

See Public Participation on the first page of the Agenda for publication participation options.

READING OF ORDINANCES AND RESOLUTIONS:

Pursuant to <u>Solana Beach Municipal Code</u> Section 2.04.460, at the time of introduction or adoption of an ordinance or adoption of a resolution, the same shall not be read in full unless after the reading of the title, further reading is requested by a member of the Council. If any Councilmember so requests, the ordinance or resolution shall be read in full. In the absence of such a request, this section shall constitute a waiver by the council of such reading.

CALL TO ORDER AND ROLL CALL:

CLOSED SESSION REPORT:

FLAG SALUTE:

PROCLAMATIONS/CERTIFICATES: Ceremonial

None at the posting of this agenda

<u>PRESENTATIONS</u>: Ceremonial items that do not contain in-depth discussion and no action/direction. *None at the posting of this agenda*

APPROVAL OF AGENDA:

ORAL COMMUNICATIONS:

Note to Public: Refer to Public Participation for information on how to submit public comment.

This portion of the agenda provides an opportunity for members of the public to address the City Council on items relating to City business and not appearing on today's agenda by having submitted written comments for the record to be filed with the record or by registering to join the virtual meeting online to speak live, per the Public Participation instructions on the Agenda.

Comments relating to items on this evening's agenda are taken at the time the items are heard. Pursuant to the Brown Act, no action shall be taken by the City Council on public comment items. Council may refer items to the City Manager for placement on a future agenda. The maximum time allotted for each speaker is THREE MINUTES (SBMC 2.04.190).

COUNCIL COMMUNITY ANNOUNCEMENTS / COMMENTARY:

An opportunity for City Council to make brief announcements or report on their activities. These items are not agendized for official City business with no action or substantive discussion.

A. CONSENT CALENDAR: (Action Items) (A.1.- A.2.)

Note to Public: Refer to <u>Public Participation</u> for information on how to submit public comment. Items listed on the Consent Calendar are to be acted in a single action of the City Council unless pulled for discussion.

Any member of the public may address the City Council on an item of concern by submitting written correspondence for the record to be filed with the record or by registering to join the virtual meeting online to speak live, per the Public Participation instructions on the Agenda. The maximum time allotted for each speaker is THREE MINUTES (SBMC 2.04.190).

Those items removed from the Consent Calendar by a member of the Council will be trailed to the end of the agenda, while Consent Calendar items removed by the public will be discussed immediately after approval of the Consent Calendar.

A.1. Minutes of the City Council.

Recommendation: That the City Council

1. Approve the Minutes of the October 27, 2021 City Council Meeting.

Item A.1. Report (click here)

Posted Reports & Supplemental Docs contain records up to the cut off time, prior to the start of the meeting, for processing new submittals. The final official record containing handouts, PowerPoints, etc. can be obtained through a Records Request to the City Clerk's Office.

A.2. Local Emergency Teleconferencing. (File 0240-25)

Recommendation: That the City Council

 Adopt Resolution 2021-141 authorizing remote teleconference meetings of the legislative bodies of the City for the period of December 15, 2021 through January 14, 2022 pursuant to the new provisions of the Brown Act.

Item A.2. Report (click here)

Posted Reports & Supplemental Docs contain records up to the cut off time, prior to the start of the meeting, for processing new submittals. The final official record containing handouts, PowerPoints, etc. can be obtained through a Records Request to the City Clerk's Office.

B. PUBLIC HEARINGS: (B.1. – B.2.)

Note to Public: Refer to Public Participation for information on how to submit public comment.

Any member of the public may address the City Council on an item of concern by submitting written correspondence for the record to be filed with the record or by registering to join the virtual meeting online to speak live, per the Public Participation instructions on the Agenda. The maximum time allotted for each speaker is THREE MINUTES (SBMC 2.04.190).

An applicant or designee(s) for a private development/business project, for which the public hearing is being held, is allotted a total of fifteen minutes to speak, as per SBMC 2.04.210. A portion of the fifteen minutes may be saved to respond to those who speak in opposition. All other speakers have three minutes each.

After considering all of the evidence, including written materials and oral testimony, the City Council must make a decision supported by findings and the findings must be supported by substantial evidence in the record.

B.1. Redistricting Process. (File 0430-60)

Recommendation: That the City Council

- 1. Receive Staff Report.
- 2. Approve the public hearing schedule as proposed considering the extensive process conducted just three years ago.
- Conduct first public hearing.
- 4. Provide instructions to demographic consultant.

Item B.1. Report (click here)

Posted Reports & Supplemental Docs contain records up to the cut off time, prior to the start of the meeting, for processing new submittals. The final official record containing handouts, PowerPoints, etc. can be obtained through a Records Request to the City Clerk's Office.

B.2. Public Hearing: 550 San Mario Dr., Applicants: Crivello and Barton, Case: DRP21-008/SDP21-009. (File 0600-40)

The proposed project meets the minimum objective requirements under the SBMC, may be found to be consistent with the General Plan and may be found, as conditioned, to meet the discretionary findings required as discussed in this report to approve a DRP and SDP. Therefore, Staff recommends that the City Council:

- 1. Conduct the Public Hearing: Open the Public Hearing, Report Council Disclosures, Receive Public Testimony, and Close the Public Hearing.
- 2. Find the project exempt from the California Environmental Quality Act pursuant to Section 15303 of the State CEQA Guidelines; and
- 3. If the City Council makes the requisite findings and approves the project, adopt Resolution 2021-140 conditionally approving a DRP and SDP to construct a remodel, a 486 square-foot first-floor addition, and an 804 square-foot new second-floor addition to a 1,721 square-foot single-story single-family residence with a 505 square-foot attached two-car garage and perform associated site improvements at 550 San Mario Drive, Solana Beach.

Item B.2. Report (click here)

Posted Reports & Supplemental Docs contain records up to the cut off time, prior to the start of the meeting, for processing new submittals. The final official record containing handouts, PowerPoints, etc. can be obtained through a Records Request to the City Clerk's Office.

C. STAFF REPORTS: (C.1.)

Note to Public: Refer to Public Participation for information on how to submit public comment.

Any member of the public may address the City Council on an item of concern by submitting written correspondence for the record to be filed with the record or by registering to join the virtual meeting online to speak live, per the Public Participation instructions on the Agenda. The maximum time allotted for each speaker is THREE MINUTES (SBMC 2.04.190).

C.1. Solana 101 Final Landscape Plan. (File 0600-40)

Recommendation: That the City Council

 Adopt Resolution 2021-138 approving the final landscape plan for the Solana 101 Project.

Item C.1. Report (click here)

Posted Reports & Supplemental Docs contain records up to the cut off time, prior to the start of the meeting, for processing new submittals. The final official record containing handouts, PowerPoints, etc. can be obtained through a Records Request to the City Clerk's Office.

WORK PLAN COMMENTS:

Adopted June 23, 2021

COMPENSATION & REIMBURSEMENT DISCLOSURE:

GC: Article 2.3. Compensation: 53232.3. (a) Reimbursable expenses shall include, but not be limited to, meals, lodging, and travel. 53232.3 (d) Members of a legislative body shall provide brief reports on meetings attended at the expense of the local agency "City" at the next regular meeting of the legislative body.

COUNCIL COMMITTEE REPORTS: Council Committees

REGIONAL COMMITTEES: (outside agencies, appointed by this Council)

- a. City Selection Committee (meets twice a year) Primary-Heebner, Alternate-Edson
- b. Clean Energy Alliance (CEA) JPA: Primary-Becker, Alternate-Zito
- c. County Service Area 17: Primary- Harless, Alternate-Edson
- d. Escondido Creek Watershed Authority: Becker /Staff (no alternate).
- e. League of Ca. Cities' San Diego County Executive Committee: Primary-Becker, Alternate-Harless. Subcommittees determined by its members.
- f. League of Ca. Cities' Local Legislative Committee: Primary-Harless, Alternate-Becker
- g. League of Ca. Cities' Coastal Cities Issues Group (CCIG): Primary-Becker, Alternate-Harless
- h. North County Dispatch JPA: Primary-Harless, Alternate-Becker
- i. North County Transit District: Primary-Edson, Alternate-Harless
- j. Regional Solid Waste Association (RSWA): Primary-Harless, Alternate-Zito
- k. SANDAG: Primary-Heebner, 1st Alternate-Zito, 2nd Alternate-Edson. Subcommittees determined by its members.
- I. SANDAG Shoreline Preservation Committee: Primary-Becker, Alternate-Zito
- m. San Dieguito River Valley JPA: Primary-Harless, Alternate-Becker
- n. San Elijo JPA: Primary-Zito, Primary-Becker, Alternate-City Manager
- o. 22nd Agricultural District Association Community Relations Committee: Primary-Edson, Primary-Heebner

STANDING COMMITTEES: (All Primary Members) (Permanent Committees)

- a. Business Liaison Committee Zito, Edson.
- b. Fire Dept. Management Governance & Organizational Evaluation Harless, Edson
- c. Highway 101 / Cedros Ave. Development Committee Edson, Heebner

- d. Parks and Recreation Committee Zito, Harless
- e. Public Arts Committee Edson, Heebner
- f. School Relations Committee Becker, Harless
- g. Solana Beach-Del Mar Relations Committee Heebner, Edson

CITIZEN COMMISSION(S)

a. Climate Action Commission: Primary-Zito, Alternate-Becker

ADJOURN:

Next Regularly Scheduled Meeting is January 12, 2022

Always refer the City's website Event Calendar for Special Meetings or an updated schedule.

Or Contact City Hall 858-720-2400

www.cityofsolanabeach.org

AFFIDAVIT OF POSTING

STATE OF CALIFORNIA
COUNTY OF SAN DIEGO
CITY OF SOLANA BEACH

I, Angela Ivey, City Clerk of the City of Solana Beach, do hereby certify that this Agenda for the December 15, 2021 Council Meeting was called by City Council, Successor Agency to the Redevelopment Agency, Public Financing Authority, and the Housing Authority of the City of Solana Beach, California, was provided and posted on December 09, 2021 at 5:15 p.m. on the City Bulletin Board at the entrance to the City Council Chambers. Said meeting is held at 6:00 p.m., December 15, 2021, in the Council Chambers, at City Hall, 635 S. Highway 101, Solana Beach, California.

Angela Ivey, City Clerk * City of Solana Beach, CA

CITIZEN CITY COMMISSION AND COMMITTEE MEETINGS:

Regularly Scheduled, or Special Meetings that have been announced, are posted on each Citizen Commission's Agenda webpage. See the <u>Citizen Commission's Agenda webpages</u> or the City's Events <u>Calendar</u> for updates.

- Budget & Finance Commission
- Climate Action Commission
- o Parks & Recreation Commission
- Public Arts Commission
- View Assessment Commission



CITY OF SOLANA BEACH

SOLANA BEACH CITY COUNCIL, SUCCESSOR AGENCY TO THE REDEVELOPMENT AGENCY,
PUBLIC FINANCING AUTHORITY, AND HOUSING AUTHORITY

MINUTES

Joint - Closed Session

Wednesday, October 27, 2021 ♦ 5:00 p.m.

Teleconference Location Only-City Hall/Council Chambers, 635 S. Highway 101, Solana Beach, California
This meeting was conducted in accordance with Government Code
sections 54953(e) and 54954.3 and other applicable law.

Minutes contain a summary of significant discussions and formal actions taken at a City Council meeting.

CITY COUNCILMEMBERS

Lesa Heebner, Mayor

Kristi Becker
Deputy Mayor
Councilmember
District 1

Kelly Harless
Councilmember
Councilmember
District 3

Jewel Edson
Councilmember
District 3

Gregory Wade Johanna Canlas Angela Ivey
City Manager City Attorney City Clerk

CALL TO ORDER AND ROLL CALL:

Mayor Heebner called the meeting to order at 5:02 p.m.

Present: Lesa Heebner, Kristi Becker, Kelly Harless, David A. Zito, Jewel Edson

Absent: None

Also Gregory Wade, City Manager Present: Johanna Canlas, City Attorney

PUBLIC COMMENT ON CLOSED SESSION ITEMS (ONLY):

Report to Council Chambers and submit speaker slips to the City Clerk before the meeting recesses to closed session.

CLOSED SESSION:

1. CONFERENCE WITH REAL PROPERTY NEGOTIATOR

Pursuant to Government Code section 54956.8

Property: APN: 263-352-03,04,05,06 and 07 and 263-342-02

City Negotiator: City Manager Gregory Wade and City Attorney Johanna Canlas

Negotiating Parties: Matt Tucker, North County Transit District

Under negotiation: Lease Price and Terms

2. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Pursuant to Government Code Section 54956.9(d)(2) One (1) Potential case(s).

No reportable action.

AGENDA ITEM # A.1.



CITY OF SOLANA BEACH

SOLANA BEACH CITY COUNCIL, SUCCESSOR AGENCY TO THE REDEVELOPMENT AGENCY, PUBLIC FINANCING AUTHORITY, AND HOUSING AUTHORITY

MINUTES

Joint REGULAR Meeting

Wednesday, October 27, 2021 * 6:00 p.m.

Teleconference Location Only-City Hall/Council Chambers, 635 S. Highway 101, Solana Beach, California
This meeting will be conducted in accordance with Government Code
sections 54953(e) and 54954.3 and other applicable law.

CITY (COUNCIL	MEMBERS
--------	---------	---------

Lesa Heebner, Mayor

Kristi Becker Kelly Harless
Deputy Mayor Councilmember District 1 David A. Zito
Councilmember Councilmember
District 1 District 3

Gregory Wade Johanna Canlas Angela Ivey
City Manager City Attorney City Clerk

SPEAKERS:

See Public Participation on the first page of the Agenda for publication participation options.

READING OF ORDINANCES AND RESOLUTIONS:

Pursuant to <u>Solana Beach Municipal Code</u> Section 2.04.460, at the time of introduction or adoption of an ordinance or adoption of a resolution, the same shall not be read in full unless after the reading of the title, further reading is requested by a member of the Council. If any Councilmember so requests, the ordinance or resolution shall be read in full. In the absence of such a request, this section shall constitute a waiver by the council of such reading.

CALL TO ORDER AND ROLL CALL:

Mayor Heebner called the meeting to order at 6:07pm

Present: Lesa Heebner, Kristi Becker, Kelly Harless, David A. Zito, Jewel Edson

Absent: None

Also Greg Wade, City Manager Present: Johanna Canlas, City Attorney

Angela Ivey, City Clerk

Dan King, Assistant City Manager

Mo Sammak, City Engineer/Public Works Dir.

Ryan Smith, Finance Dir.

Joseph Lim, Community Development Dir.

CLOSED SESSION REPORT:

FLAG SALUTE:

PROCLAMATIONS/CERTIFICATES: Ceremonial

Honoring Hispanic and Latino Heritage Month
 Mayor Heebner presented the proclamation to Lisa Montes who gave a brief presentation.

APPROVAL OF AGENDA:

Motion: Moved by Deputy Mayor Becker and second by Councilmember Zito to approve. **Approved 5/0.** Ayes: Heebner, Becker, Harless, Zito, Edson. Noes: None. Motion carried unanimously.

ORAL COMMUNICATIONS:

Note to Public: Refer to Public Participation for information on how to submit public comment. This portion of the agenda provides an opportunity for members of the public to address the City Council on items relating to City business and not appearing on today's agenda by having submitted written comments for the record to be filed with the record or by registering to join the virtual meeting online to speak live, per the Public Participation instructions on the Agenda. Comments relating to items on this evening's agenda are taken at the time the items are heard. Pursuant to the Brown Act, no action shall be taken by the City Council on public comment items. Council may refer items to the City Manager for placement on a future agenda. The maximum time allotted for each speaker is THREE MINUTES (SBMC 2.04.190).

Peggy Walker, spoke about the success of Día de los Muertos event at La Colonia Park, that it provided opportunity for many local youth to take part in community service, that the San Dieguito Alliance booth had about 300 youth sign pledges to stay free of alcohol, marijuana, vape, and tobacco.

Cindy Clemens, on behalf of the Seaweeders Garden Club and Climate Action Commission, spoke about Nissho's weekend efforts planting native narrow leaf milkweed plants in gardens throughout Solana Beach and that they provided handouts regarding the monarch butterfly, the importance of milkweed to their survival, and the dwindling Monarch population in California.

COUNCIL COMMUNITY ANNOUNCEMENTS / COMMENTARY:

An opportunity for City Council to make brief announcements or report on their activities. These items are not agendized for official City business with no action or substantive discussion.

A. CONSENT CALENDAR: (Action Items) (A.1. - A.4.)

Note to Public: Refer to <u>Public Participation</u> for information on how to submit public comment. Items listed on the Consent Calendar are to be acted in a single action of the City Council unless pulled for discussion.

Any member of the public may address the City Council on an item of concern by submitting written correspondence for the record to be filed with the record or by registering to join the virtual meeting online to speak live, per the Public Participation instructions on the Agenda. The maximum time allotted for each speaker is THREE MINUTES (SBMC 2.04.190).

Those items removed from the Consent Calendar by a member of the Council will be trailed to the end of the agenda, while Consent Calendar items removed by the public will be discussed immediately after approval of the Consent Calendar.

A.1. Minutes of the City Council.

Recommendation: That the City Council

1. Approve the Minutes of the September 8, 2021 Council Meeting.

Approved Minutes: https://www.ci.solana-beach.ca.us/index.asp?SEC=F0F1200D-21C6-4A88-8AE1-0BC07C1A81A7&Type=B_BASIC

Motion: Moved by Councilmember Edson and second by Councilmember Harless to approve. **Approved 5/0.** Ayes: Heebner, Becker, Harless, Zito, Edson. Noes: None. Motion carried unanimously.

A.2. Register Of Demands. (File 0300-30)

Recommendation: That the City Council

1. Ratify the list of demands for September 25, 2021 – October 08, 2021.

Item A.2. Report (click here)

Posted Reports & Supplemental Docs contain records up to the cut off time, prior to the start of the meeting, for processing new submittals. The final official record containing handouts, PowerPoints, etc. can be obtained through a Records Request to the City Clerk's Office.

Motion: Moved by Councilmember Edson and second by Councilmember Harless to approve. **Approved 5/0.** Ayes: Heebner, Becker, Harless, Zito, Edson. Noes: None. Motion carried unanimously.

A.3. General Fund Budget Adjustments for Fiscal Year 2021/2022. (File 0330-30)

Recommendation: That the City Council

1. Receive the report listing changes made to the Fiscal Year 2021/2022 General Fund Adopted Budget.

Item A.3. Report (click here)

Posted Reports & Supplemental Docs contain records up to the cut off time, prior to the start of the meeting, for processing new submittals. The final official record containing handouts, PowerPoints, etc. can be obtained through a Records Request to the City Clerk's Office.

Motion: Moved by Councilmember Edson and second by Councilmember Harless to approve. **Approved 5/0.** Ayes: Heebner, Becker, Harless, Zito, Edson. Noes: None. Motion carried unanimously.

A.4. Destruction of Obsolete Records. (File 170-50)

Recommendation: That the City Council

1. Adopt **Resolution 2021-122** authorizing the destruction of officially obsolete records.

Item A.4. Report (click here)

Posted Reports & Supplemental Docs contain records up to the cut off time, prior to the start of the meeting, for processing new submittals. The final official record containing handouts, PowerPoints, etc. can be obtained through a Records Request to the City Clerk's Office.

Motion: Moved by Councilmember Edson and second by Councilmember Harless to approve. **Approved 5/0.** Ayes: Heebner, Becker, Harless, Zito, Edson. Noes: None. Motion carried unanimously.

C. STAFF REPORTS: (C.1. – C.4.)

Note to Public: Refer to Public Participation for information on how to submit public comment.

Any member of the public may address the City Council on an item of concern by submitting written correspondence for the record to be filed with the record or by registering to join the virtual meeting online to speak live, per the Public Participation instructions on the Agenda. The maximum time allotted for each speaker is THREE MINUTES (SBMC 2.04.190).

C.1. Lomas Santa Fe Corridor Improvement Project – Phase III Update. (File 0820-15)

Recommendation: That the City Council

1. Receive the final report and provide input and comments on the Lomas Santa Fe Corridor Improvement Project.

Item C.1. Report (click here)

Posted Reports & Supplemental Docs contain records up to the cut off time, prior to the start of the meeting, for processing new submittals. The final official record containing handouts, PowerPoints, etc. can be obtained through a Records Request to the City Clerk's Office.

Greg Wade, City Manager, introduced the item.

Greg Wade, City Manager, Dawn Baker, Michael Baker International, and Brian Hannegan, RRM Design, presented a Powerpoint (on file).

Council and Staff discussed that the streetlights would have a different look and be relocated, the trees that belong to the HOA that would be moved further up the hill to a spot approved by the HOA, that the path would be wide enough at the pinch point to accommodate a multi-use path, and that it would be made legal for biking.

Council, Staff, and Consultants discussed the heights and aesthetics of the 973 ft. of retaining wall within the corridor and spoke about potential treatment options, having a textured wall with vines or plants, including a variety of different wall designs within the corridor, transitions between designs, looking at potential issues related to wall vegetation related to growth and maintenance, and including seat walls or benches.

They also discussed the continued need for collaboration with Caltrans regarding the freeway interchange, communicating to e-bikers how the path should be used, looking at the underside of the I-5 overpass, safety issues for pedestrians and bicyclists due to lighting, and walking the trail before deciding on final paving design details.

C.2. Oppose New Offshore Oil and Gas Drilling and Support the American Coasts and Oceans Protection Act (HR 3053). (File 0480-60)

Recommendation: That the City Council

 Adopt Resolution 2021-123 to oppose new offshore oil and gas drilling and to express support of the American Coasts and Oceans Protection Act (HR 3053).

Item C.2. Report (click here)

Posted Reports & Supplemental Docs contain records up to the cut off time, prior to the start of the meeting, for processing new submittals. The final official record containing handouts, PowerPoints, etc. can be obtained through a Records Request to the City Clerk's Office.

Greg Wade, City Manager, introduced the item.

Dan King, Assistant City Manager, presented a Powerpoint (on file).

Council agreed that health of the beaches is very important to the community and that action needed to be taken to prevent spills from happening in the future.

Motion: Moved by Councilmember Edson and second by Deputy Mayor Becker to approve. **Approved 5/0.** Ayes: Heebner, Becker, Harless, Zito, Edson. Noes: None. Motion carried unanimously.

C.3. General Fund Update (Unaudited) for Fiscal Year (FY) 2020/21. (File 0330-80)

Recommendation: That the City Council

- 1. Accept and file the General Fund Update for Fiscal Year 2020/21.
- 2. Provide direction to Staff regarding whether to use an amount of the projected General Fund surplus to fund the PARS Irrevocable Trust for Pensions as part of a budget appropriation to the General Fund Unreserved Fund Balance, and other funds as determined by the Finance Department, in Fiscal Year 2021/22.
- 3. Approve **Resolution 2021-124** revising appropriations in the Fiscal Year 2020/21 and Fiscal Year 2021/22 budgets.

Item C.3. Report (click here)

Posted Reports & Supplemental Docs contain records up to the cut off time, prior to the start of the meeting, for processing new submittals. The final official record containing handouts, PowerPoints, etc. can be obtained through a Records Request to the City Clerk's Office.

Greg Wade, City Manager, introduced the item.

Ryan Smith, Finance Director, presented a Powerpoint (on file).

Council and Staff discussed that the 5.1 million in the undesignated reserve category does not include the 17% reserve policy funds, that the increase of interest expense and the Transnet extension fund of \$325,000 was a planned and known expense, that a third of the FY 2021 General Fund surplus money be contributed to the PARS pension fund, that a third of the surplus would be about a \$455,000 contribution, and that a small percentage of special service funds also gets calculated into the contribution.

Motion: Moved by Councilmember Zito and second by Mayor Heebner to approve. **Approved 5/0.** Ayes: Heebner, Becker, Harless, Zito, Edson. Noes: None. Motion carried unanimously.

C.4. Introduce (1st Readings) Ordinances Nos. 519 and 520 – Amending Sections 6.36.010, 6.36.040, 17.56.020 and 17.56.080 of the Solana Beach Municipal Code to Comply with State Mandated Organic Waste Disposal Requirements. (File 1030-50)

Recommendation: That the City Council

1. Introduce (1st readings) **Ordinance 519** and **Ordinance 520** amending Sections 6.36.010, 6.36.040, 17.56.020 and 17.56.080 to the Solana Beach Municipal Code to address State organics recycling mandates.

Item C.4. Report (click here)

Posted Reports & Supplemental Docs contain records up to the cut off time, prior to the start of the meeting, for processing new submittals. The final official record containing handouts, PowerPoints, etc. can be obtained through a Records Request to the City Clerk's Office.

Greg Wade, City Manager, introduced the item.

Rimga Viskanta, Senior Management Analyst, presented a Powerpoint (on file).

Motion: Moved by Councilmember Zito and second by Deputy Mayor Becker to approve. Approved 5/0. Ayes: Heebner, Becker, Harless, Zito, Edson. Noes: None. Motion carried unanimously.
WORK PLAN COMMENTS: Adopted June 23, 2021
COMPENSATION & REIMBURSEMENT DISCLOSURE: None
COUNCIL COMMITTEE REPORTS: Council Committees REGIONAL COMMITTEES: (outside agencies, appointed by this Council) STANDING COMMITTEES: (All Primary Members) (Permanent Committees) CITIZEN COMMISSION(S)
ADJOURN: Mayor Heebner adjourned the meeting at 7:48pm.

Megan Bavin, Deputy City Clerk

Approved: _____

Megan Bavin, Deputy City Clerk	Council Approved:

ADJOURN: Mayor Heebner adjourned the meeting at 5:58 p.m.



STAFF REPORT CITY OF SOLANA BEACH

TO: Honorable Mayor and City Councilmembers

FROM: Gregory Wade, City Manager

MEETING DATE: December 15, 2021

ORIGINATING DEPT: City Manager Department/City Attorney's Office

SUBJECT: Council Consideration and Potential Adoption of Resolution 2021-141 Authorizing Continued Remote Teleconference Meetings of the Legislative Bodies of the

City for the Period of December 15, 2021 through January 15, 2022 Pursuant to the Brown Act and Continuing

Emergency

BACKGROUND:

On March 11, 2020, the World Health Organization (WHO) declared COVID-19, the illness caused by the novel coronavirus, a pandemic, pointing at that time to over 118,000 cases of COVID-19 in over 110 countries and territories around the world and the sustained risk of further global spread. This was preceded by declarations of emergency by both the County of San Diego and State of California on February 14, 2020, and March 4, 2020, respectively, followed by a federal emergency declaration on March 13, 2020, as a result of the threat posed by COVID-19. On March 16, 2020, pursuant to Section 2.28.060(A)(1) of the Solana Beach Municipal Code (SBMC), the Director of Emergency Services/City Manager proclaimed a state of local emergency in the City of Solana Beach due to COVID-19, which was ratified by the City Council through adoption of Resolution 2020-036.

Since that time, there have been numerous Orders and Guidance by the California Department of Public Health (CDPH) and the Health Officer of the County of San Diego to curtail the spread of COVID-19. On March 17, 2020, Governor Newsom issued Executive Order No. N-29-20, suspending the Ralph M. Brown Act's requirements for teleconferencing during the COVID-19 pandemic provided that notice and accessibility requirements are met, the public members are allowed to observe and address the legislative body at the meeting, and that a legislative body of a local agency has a procedure for receiving and swiftly resolving requests for reasonable accommodation

COUNCIL ACTION:		

for individuals with disabilities, as specified. Pursuant to Executive Order No. N-29-20, the City Council and City Commissions have meet by remote teleconferencing following applicable requirements, preserving and nurturing public access and participation in meetings while preserving public health and safety.

On June 11, 2021, Governor Newsom issued Executive Order N-08-21 to roll back certain provisions of his COVID-19-related Executive Orders and to clarify that other provisions remained necessary to help California respond to, recover from and mitigate the impacts of the COVID-19 pandemic. Paragraph 42 of Executive Order N-08-21 waived and set forth certain requirements related to public meetings of local legislative bodies and specified that it would be valid through September 30, 2021.

On September 16, 2021, Governor Newsom signed into law Assembly Bill 361 (AB 361), which pertains to the same subject matter as Paragraph 42 of Executive Order N-08-21, which took effect immediately pursuant to an urgency clause, and which amended the Brown Act, in Government Code section 54953(e)(1)(B), to allow local legislative bodies to continue meeting by teleconference during a gubernatorial proclaimed state of emergency if the local legislative body determines, by majority vote, that as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.

On October 13, 2021, the City Council adopted Resolution 2021-120 authorizing remote teleconference meetings of the legislative bodies of the City for the period of October 13, 2021 through November 12, 2021 pursuant to the new provisions of the Brown Act. If the state of emergency remains active, or state or local officials have imposed or recommended measures to promote social distancing, in order to continue to remote teleconference, Government Code section 54953(e)(3) requires that every thirty (30) days, the City Council make the following findings by majority vote:

- (A) The legislative body has reconsidered the circumstances of the state of emergency.
- (B) Any of the following circumstances exist:
 - (i) The state of emergency continues to directly impact the ability of the members to meet safely in person.
 - (ii) State or local officials continue to impose or recommend measures to promote social distancing.

On November 10, 2021, the City Council adopted Resolution 2021-127 authorizing continued teleconference meetings of the legislative bodies of the City for the period of November 10, 2021 through December 10, 2021 pursuant to the new provisions of the Brown Act. On December 8, 2021, the City Council adopted Resolution 2021-137 authorizing continued teleconference meetings through January 7, 2022. The next regularly scheduled City Council meeting is January 12, 2022.

The item before the City Council is to consider and adopt Resolution 2021-141 (Attachment 1), reconsidering the circumstances of the state of local emergency and authorizing remote teleconference meetings of the legislative bodies of the City for the period of December 15, 2021, through January 15, 2022, pursuant to the new provisions of the Brown Act and in light of the continuing direct impact on the ability of the members to meet safely in person.

DISCUSSION:

The COVID-19 pandemic continues to spread rapidly throughout the State and County and is impacting the health and welfare of the City of Solana Beach. Updated as of August 13, 2021, the Center for Disease Control and Prevention still recommends staying at least six (6) feet from other people. The California Department of Industrial Relations, Division of Occupational Safety and Health's COVID-19 Prevention Emergency Temporary Standards were updated on June 17, 2021 and are still in effect. Those workplace standards place an ongoing requirement on employers to assess workplace hazards and implement controls to prevent transmission of disease, noting that there may be circumstances in which employers determine that physical distancing is necessary in their workplace.

A strain of COVID-19, known as SARS-CoV-2 Delta Variant (Delta Variant), which is 70% more likely to be spread, has also been identified in the County of San Diego. This strain was originally identified in the United Kingdom. Since persons contracting this strain in the County have had no history of travel, this highly contagious strain is community based. The Delta Variant is highly transmissible in indoor settings, breakthrough cases are becoming more common and hospitalizations have increased throughout San Diego County. On July 28, 2021, the California Department of Public Health issued guidance for the use of face coverings stating that the Delta Variant is two times as contagious as early COVID-19 variants, leading to increasing infections, the Delta Variant accounts for over 80% of cases sequenced, and cases and hospitalizations of COVID-19 are rising throughout the state. In short, COVID-19 continues to threaten the health and lives of City residents.

According to the Center for Disease Control and Prevention (CDC), an even newer strain of COVID-19, known as Omicron, has emerged. On November 24, 2021, this new variant B.1.1.529, was reported to the World Health Organization (WHO). On November 26, 2021, WHO named B.1.1.529 Omicron and classified it as a Variant of Concern (VOC). On November 30, 2021, the United States designated Omicron as a Variant of Concern. On December 1, 2021, the first confirmed U.S. case of Omicron was identified.¹ On Thursday, December 9, 2021, the San Diego County Department of

¹ https://www.cdc.gov/coronavirus/2019-ncov/variants/omicron-variant.html

Health and Human Services announced the first Omicron COVID-19 case in San Diego had been identified.²

We are entering the holiday season with attendant increases in indoor gatherings, travel and exposure to COVID-19. The Delta Variant has caused, and will continue to cause, conditions of imminent peril to the health safety of persons within the City that are likely beyond the control of services, personnel, equipment and facilities of the City. On December 9, 2021, the CDC reported that we do not yet know how easily Omicron spreads, the severity of illness it causes, or how well available vaccines and medications work against it. In other words, the local emergency continues and as a result, meeting in person would present imminent risks to the health or safety of attendees.

All meetings of the City's legislative bodies are open and public, as required by the Brown Act (California Government Code §§54950 – 54963), so that any member of the public may attend, participate and watch the City's legislative bodies conduct their business. The recently amended Brown Act, Government Code section 54953(e)(1)(B), allows local legislative bodies to continue meeting by teleconference during a gubernatorial proclaimed state of emergency if the local legislative body determines, by majority vote, that as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees and every thirty (30) days thereafter finds by a majority vote under Government Code section 54953(e)(3) that after reconsidering the circumstances of the state of emergency, it continues to directly impact the ability of the members to meet safely in person.

Resolution 2021-141 (Attachment 1) would make the necessary findings under Government Code section 54953(e)(3) and authorize the City's legislative bodies to meet by remote teleconferencing within the requirements of applicable law. To continue to meet by remote teleconference, Council will be required to revisit the Resolution within thirty (30) days and find that the state of emergency continues to directly impact the ability of the members to meet safely in person pursuant to Government Code section 54953(e)(3).

CEQA COMPLIANCE STATEMENT:

The proposed City Council action is not subject to the California Environmental Quality Act (CEQA) pursuant to the CEQA Guidelines, California Code of Regulations, Title 14, Chapter 3, Sections: 15060(c)(2) (the activity will not result in a direct or reasonably foreseeable indirect physical change in the environment); 15060(c)(3) (the activity is not a project as defined in Section 15378); and 15061(b)(3), because the activity is covered by the general rule that CEQA applies only to projects that have the potential for causing a significant effect on the environment. Because there is no possibility that the

² https://www.countynewscenter.com/first-omicron-variant-case-identified-in-san-diego-county/?utm_source=rss&utm_medium=rss&utm_campaign=first-omicron-variant-case-identified-in-san-diego-county

Resolution may have a significant adverse effect on the environment, the action is exempt from CEQA.

FISCAL IMPACT:

There are no direct fiscal impacts related to the adoption of the Resolution.

WORKPLAN:

N/A

OPTIONS:

- Approve Staff recommendation.
- Approve Staff recommendation with modifications consistent with the Brown Act.
- Do not approve Staff recommendations and resume in person meetings.
- Provide direction / feedback.

DEPARTMENT RECOMMENDATION:

Staff recommends that the City Council adopt Resolution 2021-141, authorizing remote teleconference meetings of the legislative bodies of the City for the period of December 15, 2021, through January 14, 2022, pursuant to the new provisions of the Brown Act.

CITY MANAGER'S RECOMMENDATION:

Approve Department Recommendation.

Gregory Wade, City Manager/Director of Emergency Services

Resolution No. 2021-141

RESOLUTION 2021-141

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOLANA BEACH, CALIFORNIA, AUTHORIZING CONTINUED REMOTE TELECONFERENCE MEETINGS OF THE LEGISLATIVE BODIES OF THE CITY OF SOLANA BEACH FOR THE PERIOD OF DECEMBER 15, 2021 THROUGH JANUARY 14, 2022 PURSUANT TO THE BROWN ACT AND CONTINUING EMERGENCY

WHEREAS, the City of Solana Beach ("City") is committed to preserving and nurturing public access and participation in meetings of the City Council and the City's commissions; and

WHEREAS, all meetings of the City's legislative bodies are open and public, as required by the Ralph M. Brown Act (California Government Code §§54950 – 54963), so that any member of the public may attend, participate and watch the City's legislative bodies conduct their business; and

WHEREAS, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions; and

WHEREAS, the recently amended Brown Act, Government Code section 54953(e)(1)(B), allows local legislative bodies to continue meeting by teleconference during a gubernatorial proclaimed state of emergency if the local legislative body determines, by majority vote, that as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees; if the state of emergency remains active; and if every thirty (30) days, the local legislative body finds by a majority vote under Government Code section 54953(e)(3) that after reconsidering the circumstances of the state of emergency, it continues to directly impact the ability of the members to meet safely in person; and

WHEREAS, on March 4, 2020, Governor Newsom declared a state of emergency due to the Coronavirus ("COVID-19") pandemic, which remains in effect; and

WHEREAS, on March 16, 2020, the City Manager, acting as the Director of Emergency Services, did proclaim the existence of a local state of emergency within the City, pursuant to Section 2.28.060(A)(1) of the Solana Beach Municipal Code and Section 8625 of the California Emergency Services Act (California Government Code §§8550 *et. seq.*), as a result of the Coronavirus (COVID-19) pandemic, which was ratified by the City Council on March 19, 2020 through the adoption of Resolution 2020-036; and

WHEREAS, pursuant to Resolution 2020-036, the local emergency was deemed to continue to exist until its termination is proclaimed by the City Council of the City of

Solana Beach and the local emergency does continue to exist; and

WHEREAS, COVID-19 continues to threaten the health and lives of City residents; and

WHEREAS, the SARS-CoV-2 Delta Variant (Delta Variant) is highly transmissible in indoor settings, breakthrough cases are becoming more common and hospitalizations have increased throughout San Diego County; and

WHEREAS, on July 28, 2021, the California Department of Public Health issued guidance for the use of face coverings stating that the Delta Variant is two times as contagious as early COVID-19 variants, leading to increasing infections, the Delta Variant accounts for over 80% of cases sequenced, and cases and hospitalizations of COVID-19 are rising throughout the state; and

WHEREAS, the Delta Variant has caused, and will continue to cause, conditions of imminent peril to the health safety of persons within the City that are likely beyond the control of services, personnel, equipment and facilities of the City; and

WHEREAS, updated as of August 13, 2021, the Center for Disease Control and Prevention recommends staying at least six (6) feet from other people; and

WHEREAS, the California Department of Industrial Relations, Division of Occupational Safety and Health's COVID-19 Prevention Emergency Temporary Standards were updated on June 17, 2021, are still in effect and place an ongoing requirement on employers to assess workplace hazards and implement controls to prevent transmission of disease, which may include circumstances in which employers determine that physical distancing is necessary in their workplace; and

WHEREAS, on October 13, 2021, the City Council held a regular meeting for the purpose of determining, by majority vote, whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees, made such a determination and adopted Resolution 2021-120 authorizing remote teleconference meetings of the legislative bodies of the City for the period of October 13, 2021 through November 12, 2021 pursuant to the new provisions of the Brown Act; and

WHEREAS, on November 10, 2021, the City Council reconsidered the circumstances of the state of emergency and adopted Resolution 2021-127 authorizing continued teleconference meetings of the legislative bodies of the City for the period of November 10, 2021 through December 10, 2021 pursuant to the new provisions of the Brown Act; and

- **WHEREAS,** according to the Center for Disease Control and Prevention (CDC), a new strain of COVID-19, known as Omicron, has emerged; and
- **WHEREAS,** on November 24, 2021, this new variant B.1.1.529, was reported to the World Health Organization (WHO); and
- **WHEREAS,** on November 26, 2021, WHO named B.1.1.529 Omicron and classified it as a Variant of Concern (VOC); and
- **WHEREAS,** on November 30, 2021, the United States designated Omicron as a Variant of Concern; and
- **WHEREAS,** on December 1, 2021, the first confirmed U.S. case of Omicron was identified; and
- **WHEREAS,** on December 8, 2021, the City Council adopted Resolution 2021-137 authorizing continued teleconference meetings through January 7, 2022; and
- **WHEREAS,** on December 9, 2021, the first confirmed San Diego County case of Omicron was identified; and
- **WHEREAS,** we are entering the holiday season with attendant increases in indoor gatherings, travel and exposure to COVID-19; and
- **WHEREAS,** on December 9, 2021, the CDC reported that we do not yet know how easily Omicron spreads, the severity of illness it causes, or how well available vaccines and medications work against it; and
 - **WHEREAS**, the state of emergency remains active.
- **NOW, THEREFORE**, the City Council of the City of Solana Beach, California, does find and resolve as follows:
 - 1. That the above recitations are true and correct and incorporated herein as findings.
 - 2. That the City Council has reconsidered the circumstances of the state of emergency.
 - 3. That the state of emergency continues to directly impact the ability of the members of the City's legislative bodies and the public to meet safely in person.

Resolution 2021-141 Continued Emergency Teleconferencing Page 4 of 4

- 4. That the meetings of the legislative bodies of the City of Solana Beach, including the City Council, standing committees and citizen commissions, shall continue to meet by remote teleconferencing in compliance with applicable law.
- 5. That the City Manager and Staff are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.
- 6. That this Resolution shall take effect on December 15, 2021, and shall be effective until the earlier of (a) January 14, 2022 or (b) such time as the City Council adopts a subsequent resolution in accordance with Government Code section 54953(e)(3) to extend the time during which the legislative bodies of the City may continue to teleconference without compliance with Government Code section 54953(b)(3).

PASSED AND ADOPTED this 15th day of December, 2021, at a regularly scheduled meeting of the City Council of the City of Solana Beach, California by the following vote:

Councilmembers

AYES:

NOES: Councilmembers ABSTAIN: Councilmembers ABSENT: Councilmembers	
	LESA HEEBNER, Mayor
APPROVED AS TO FORM:	ATTEST:
JOHANNA N. CANLAS, City Attorney	ANGELA IVEY, City Clerk



STAFF REPORT CITY OF SOLANA BEACH

TO: Honorable Mayor and City Councilmembers

FROM: Gregory Wade, City Manager

MEETING DATE: December 15, 2021
ORIGINATING DEPT: December 15, 2021
City Attorney's Office

SUBJECT: First Public Hearing - Redistricting Process

BACKGROUND:

On April 11, 2018, the City Council adopted Resolution 2018-042 declaring the City of Solana Beach's (City) intent to change the way the Council members are elected, transitioning from an at-large Councilmember election system to a district-based Councilmember election system with a directly elected Office of Mayor. On July 18, 2018, the City Council adopted Ordinance 488 implementing district-based elections for Councilmembers. The districts were drawn based on the 2010 Census data, the most recent available. The 2018 plan was used in City Council elections in 2020.

Following every federal decennial census, local governments are required to engage in a formal redistricting process as prescribed by the California Elections Code. Elec. Code § 21601 et seq. The California Legislature passed a new law in 2019, amended in 2020 and 2021, called the FAIR MAPS Act which specifies the procedures and mandatory, prioritized criteria under redistricting must occur.

The City has engaged assistance from Special Counsel Marguerite Leoni of Nielsen Merksamer Parrinello Gross & Leoni LLP and Demographers Douglas Johnson/Shannon Kelly from National Demographics Corporation to assist with the redistricting process.

This item is before the City Council to conduct the first of the required public hearings under the law and to establish the schedule for the subsequent public hearings after the publication of the draft maps.

COUNCIL ACTION:		

DISCUSSION:

Mandatory Redistricting Criteria

California Elections Code Section 21601 requires the City Council to adopt district boundaries using the following criteria, in the following order of priority:

- 1. Council districts shall be substantially equal in population based on total population of residents of the city as determined by the most recent federal decennial census with adjustments required by state law pertaining to incarcerated persons. (Changes to state law now require that the California Statewide Database perform certain "adjustments" to the data to reassign incarcerated residents back to their last known place of residence, rather than where they are incarcerated.)
- 2. Council districts must comply with the United States Constitution, the California Constitution, and the federal Voting Rights Act of 1965.
- 3. To the extent practicable, council districts shall be geographically contiguous.
- 4. To the extent practicable, the geographic integrity of any local neighborhood or local community of interest shall be respected in a manner that minimizes its division. (A "community of interest" is a population that shares common social or economic interests that should be included within a single district for purposes of its effective and fair representation. Communities of interest do not include relationships with political parties, incumbents, or political candidates.)
- 5. District boundaries must be easily identifiable and understandable by residents. To the extent practicable, districts shall be defined by natural and artificial barriers, by streets or by the boundaries of the city.
- 6. To the extent practicable, boundaries must be drawn to encourage geographical compactness in a manner that nearby areas of population are not bypassed in favor of more distant populations.
- 7. The Council shall not adopt District boundaries for the purpose of favoring or discrimination against a political party.

State law does not expressly prohibit other good government considerations for redistricting, such as avoiding to the extent possible the deferral of the exercise of the right to vote because of rearrangement of district boundaries, or a minimal change approach provided all statutory criteria are met.

Minimum Process: Public Hearing

Before adopting the revised district boundaries, the City Council must conduct at least four public hearings:

- One before draft maps are released. (In lieu of holding this public hearing, Council may have Staff, or a consultant, conduct one or more public outreach meetings.)
- Two after draft maps are published.

 At discretion when to hold a fourth public hearing but it must be presided over by the City Council.

One of the four public hearings must be conducted on a weekend or on a weekday evening after 6 p.m. (a regular council meeting would fulfill this requirement).

The City has established the following schedule of public hearings for the redistricting process, all presided over by the City Council (note that the City Council conducted an extensive process of public hearings/meetings just three years ago in connection with the establishment of its Council districts). Staff proposes the following three public hearing dates after publication of the draft maps:

- Wednesday, January 12, 2022 at 6 p.m.
- Wednesday, January 26 2022 at 6 p.m.
- Wednesday, February 23, 2022 at 6 p.m.

This evening's public hearing is the first of the four required. At the discretion of the City Council, additional public hearings/workshops may be scheduled. These additional hearings/workshops may be conducted by Staff or the City's consultant.

Mandatory Public Outreach

The Elections Code provisions applicable to the redistricting process require the City to take steps to encourage residents, including those in underrepresented communities and non-English speaking communities, to participate in the redistricting public review process. Elec. Code § 21608(a). These steps include:

- Informing local media outlets, including those who serve language minority communities.
- Informing the public through civic engagement or community groups that are active within the city, including those active in language minority communities.
- Arranging for live translation of a public hearing in an applicable language if a request for translation is made.
- Publishing the date, time, and location for any public hearing or workshop on the internet at least five days before the hearing or workshop.
- For each draft map prepared by the city, publishing information on the total population, citizen voting age population, and racial and ethnic characteristics of the citizen voting age population of each proposed council district.
- Publishing a draft redistricting map online, including population information, for at least seven days before Council's final adoption.
- Receiving public testimony or draft boundary maps in writing and electronically.
- Publishing in required languages procedures for a member of the public to testify during a public hearing or to submit written testimony directly to the City Council.
- Publishing a calendar of all public hearing dates.

- Providing a recording or written summary of all public comments and council deliberations at each public hearing online.
- Maintaining a website dedicated to redistricting for at least 10-years post adoption.

Staff has complied with all these requirements to date.

Deadline for Completion of Redistricting Process.

The statutory deadline for the Council to complete the redistricting process is April 17, 2022, but earlier completion is advised, to ensure that the County Registrar is provided sufficient time to implement the new boundaries considering the statewide and countywide redistricting currently underway in numerous jurisdictions, all with deadlines considering June and/or November 2022 elections. After the deadline, the redistricting must be referred to the superior court for completion.

CEQA COMPLIANCE STATEMENT:

Not a project as defined under CEQA.

FISCAL IMPACT:

The City engaged the services of National Demographics Corporation to facilitate the redistricting process. The base price for the professional demographic services is \$12,500. The total cost is dependent on the level of service requested by the City which may include meeting attendance, public participation mapping kit, etc.

OPTIONS:

- Approve public hearing schedule with or without amendments/modifications as to date or number of hearings.
- Provide instructions to demographic consultant regarding draft redistricting maps including number of drafts and any additional considerations after compliance with statutory mandatory criteria

DEPARTMENT RECOMMENDATION:

Staff recommends that the City Council:

- 1. Receive Staff Report.
- 2. Approve the public hearing schedule as proposed considering the extensive process conducted just three years ago.
- 3. Conduct first public hearing.
- 4. Provide instructions to demographic consultant.

CITY MANAGER'S RECOMMENDATION:

Approve Department Recommendation.

Gregory Wade, City Manager



STAFF REPORT CITY OF SOLANA BEACH

TO: Honorable Mayor and City Councilmembers

FROM: Gregory Wade, City Manager

MEETING DATE: December 15, 2021

ORIGINATING DEPT: Community Development Department

SUBJECT: Public Hearing: Request for DRP and SDP to Construct a

Remodel and Two-Story Addition to a Single-Story Single-Family Residence with an Attached Garage and Perform Associated Site Improvements at 550 San Mario Drive. (Applicant: Christine Crivello and Dave Barton; Application: DRP21-008/SDP21-009; APN: 263-583-15;

Resolution 2021-140)

BACKGROUND:

The Applicants, Christine Crivello and Dave Barton, are requesting City Council approval of a Development Review Permit (DRP) and Structure Development Permit (SDP) to construct and remodel a 486 square-foot first-floor addition, and an 804 square-foot new second-floor addition to an existing 1,721 square-foot single-story single-family residence with a 505 square-foot attached two-car garage and perform associated site improvements at 550 San Mario Drive. The 15,712 square-foot lot is located within the Low-Medium Residential (LMR) Zone, Hillside Overlay Zone (HOZ), and has mapped Environmentally Sensitive Habitat Area (ESHA) onsite.

The project proposes grading in the amount of approximately 6 cubic yards for footings. The project requires a DRP for a proposed second story in excess of 35 percent of the floor area of the first floor. The maximum building height would be 25 feet above the proposed grade or 286.11 feet above Mean Sea Level (MSL).

The issue before the Council is whether to approve, approve with conditions, or deny the Applicants' request as contained in Resolution 2021-140 (Attachment 1).

DISCUSSION:

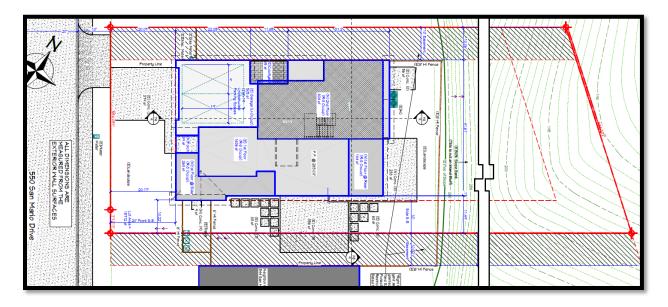
The subject property is located on the east side of San Mario Drive within the San Elijo Hills residential tract development. The rectangular shaped lot includes an approximately 63-foot-long west (front) property line, 240-foot long north and 260-foot south side

CITY COUNCIL ACTION:		

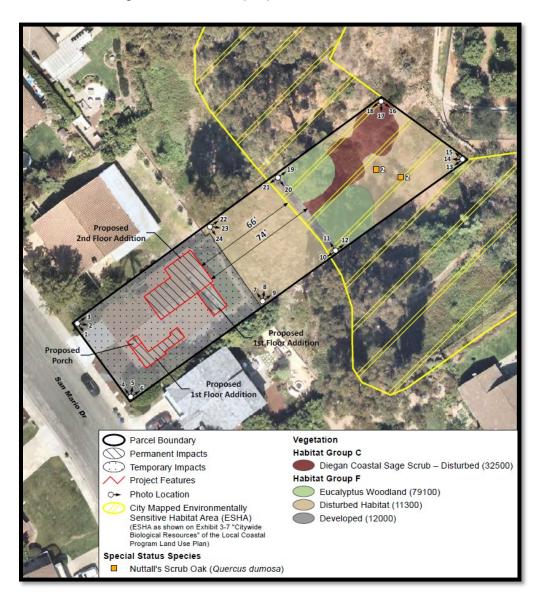
property lines, and a 66-foot rear property line. The rear property line is located on the City's boundary with the County of San Diego. The property is currently developed with a single-story single-family residence that was constructed prior to the City's incorporation. The existing residence and yard area are located on a relatively flat pad that is surrounded by fences ranging in height from approximately six to eight feet. The topography of the lot slopes down more than sixty feet beyond the improved/fenced yard area and toward the northeast (rear) portion of the lot.

Similar to other properties in the San Elijo Hills development, the side property lines are unique in that each property includes a 10-foot-wide side-yard easement dedicated to the adjacent property owner for yard improvements, which causes the subject property to appear to have a "zero lot line" on the north side of the property. However, the existing residence complies with both required 10-foot side-yard setbacks. The 10-foot-wide southern side yard and the additional 10-foot-wide easement (dedicated toward the subject property from the property to the south at 544 San Mario Drive) consists of a private fenced yard area. The northern side yard is fenced off from the subject property as it overlaps with the easement dedicated to the adjacent property to the north.

The Applicants are proposing to construct a 486 square-foot first-floor addition and a new 804 square-foot second floor. Proposed site improvements include a new concrete patio on the east (rear) side of the residence. The project plans are provided in Attachment 2. This east (rear) portion of the lot consists of undeveloped and vegetated steep slopes that are preserved by the provisions of the HOZ and the City's adopted Local Coastal Program Land Use Plan (LCP/LUP). No building or grading is proposed outside of the existing developed footprint or on slopes that exceed 25 percent, therefore, the project is exempt from the requirements of the HOZ. The proposed Site Plan included in the project plans is provided below for reference.



The property is shown to have mapped ESHA (Southern Maritime Chaparral) located on the rear (eastern) portion of the property according to the City's Local Coastal Plan's Biological Resources Map Exhibit 3-1. The Applicants provided a Biological Report (included in Attachment 3) for the property, which was prepared by Alden Environmental Group and peer-reviewed by the one of the City's on-call environmental consultants. The report indicated that there are two Nuttall's Scrub Oak trees as well as disturbed Diegan Coastal Sage Scrub, Eucalyptus Woodland, and disturbed habitat onsite. However, in compliance with applicable provisions of the LCP/LUP, the proposed project would not reduce the existing buffer maintained between the residence and the ESHA. The exhibit below (Figure 3 of the Report) shows the location of the mapped ESHA and actual ESHA in relation to the existing residence and proposed addition areas.



Analysis of the project's consistency with the policies of the City's adopted LCP/LUP is provided later in this report.

Table 1 (on the following page) provides a comparison of the SBMC applicable zoning regulations with the Applicants' proposed design.

Table 1					
LOT INFORMATION					
Property Address:	550 San Mario Dr.	Zoning	Designation:	LMR (4 c	du/ac)
Lot Size (Gross):	15,712 ft ²	# of Un	its Allowed:	1 SFR, 1	ADÚ, 1 JADU
Max. Allowable Floor Area:	6,214 ft ²	# of Un	its Requested:	1 SFR	
Proposed Floor Area:	3,116 ft ²		ks: R	equired	Proposed
Below Max. Floor Area by:	3,098 ft ²		(W)	20 ft.	20 ft.
Max. Allowable Height:	25 ft.		or Side (N)	10 ft.	10 ft.*
Max. Proposed Height:	23.78 ft.		r Side (S)	10 ft.	10 ft.*
Highest Point/Ridge:	286.11 MSL	Rear	(E)	25 ft.	105 ft.
Existing Development: Single-story single-family residence with attached garage Required Parking: attached 2 car garage Accessory Structures: No Fences and Walls: Existing to remain		* The northern setback overlaps with the 10-foot easement dedicated to the adjacent properties. ** In addition to the 10-foot setback, there is a 10-foot easement on the southern side. ECT INFORMATION			
Floor Area Breakdown:	I KOI GOLD I KOO		Required Per	mite:	
Existing First Floor Living Area	a	1,636 SF	Required Fer		
Existing Garage	•	505 SF	DRP: for construction of a second floor		
Existing Courtyard			85 SF that exceeds 35% of the floor area of		
		447 SF			s noor area or
Proposed Second Floor Living					
Proposed Front Porch	39 SF		SDP: for construction in excess of 16		evenes of 16
Subtotal		3,516 SF			
Off-Street Parking Exemption		feet in height from the pre-existin		TO-OXIBITING	
Total Floor Area: 3,116 SF					
Proposed Grading: 6 yd3 cut for footings					

Staff has prepared draft findings for approval of the project in the attached Resolution 2021-140 for Council's consideration based upon the information in this report. The applicable SBMC sections are provided in italicized text and conditions from the Community Development, Engineering, and Fire Departments are incorporated in the Resolution of Approval. The Council may direct Staff to modify the Resolution to reflect the findings and conditions it deems appropriate as a result of the Public Hearing process. If the Council determines the project is to be denied, Staff will prepare a Resolution of Denial for adoption at a subsequent Council meeting.

The following is a discussion of compliance with the policies of the City's adopted General Plan and LCP/LUP as well as the Zoning Ordinance (Title 17 of the SBMC) including the findings for a DRP as each applies to the proposed project as well as references to recommended conditions of approval contained in Resolution 2021-140.

General Plan + Consistency

The Property is designated as Low-Medium Density Residential in the General Plan Land Use Map (Figure LU-2). The Low-Medium Residential land use category specifies that "single-family residences are to be developed at a maximum density of four dwelling units per acre. Other compatible uses such as accessory dwelling units, home occupations, religious institutions, educational institutions, parks and recreation facilities, and public utilities are permitted or conditionally permitted" (Land Use Element V.I Land Use Plan).

The Property is also identified as being located within the boundaries of the HOZ, which is "intended to restrict the grading of natural slopes with a gradient of 25 percent or higher in order to preserve the natural topography and scenic qualities of Solana Beach, protect native coastal sage/chaparral and grassland habitat, preserve existing watersheds, and reduce potential environmental hazards such as soil erosion" (Land Use Element V.I Land Use Plan).

<u>Policy LU-5.3:</u> Except where necessary to prevent the denial of all reasonable economic use of property as determined by the City Council after hearing, grading on natural slopes with an average inclination in excess of 25 percent shall be restricted. This policy shall be used to maintain as much of the natural terrain as possible, while allowing reasonable use of property.

The Council may find that the proposed project is consistent with the Low-Medium Density Residential land use designation since the project encourages the development and maintenance of healthy residential neighborhoods, the stability of transitional neighborhoods, and the rehabilitation of deteriorated neighborhoods. The project would not include building or grading in slopes exceeding 25 percent slope. Therefore, it is exempt from the provisions on the HOZ.

Local Coastal Program Land Use Plan Consistency

According to the ESHA map from LUP Chapter 3, the property has mapped ESHA on site, which was confirmed by the Applicants' site-specific Biological Resources Report. There are various policies contained in the LUP which specify resource protection and development policies that the proposed project would comply with. The key relevant LUP policy which applies to this project are listed below in italics for reference followed by an analysis of the how the proposed project is designed in compliance with the respective LUP policy:

<u>Policy 3.22:</u> Development adjacent to ESHAs shall minimize impacts to habitat values or sensitive species to the maximum extent feasible. Native vegetation buffer areas shall be provided around ESHAs to serve as transitional habitat and provide distance and physical barriers to human intrusion. Buffers shall be of a sufficient size to ensure the biological integrity and preservation of the ESHA they are designed to protect.

All buffers around (non-wetland) ESHA shall be a minimum of 100 feet in width, or a lesser width may be approved by the Planning Department and Fire Marshal as addressed in Policy 3.65. However, in no case can the buffer size be reduced to less than 50 feet.

The proposed site improvements would be located entirely within the existing developed area of the lot and would not reduce the existing 66-foot buffer between the residence and the mapped ESHA. As noted in the Biology Report (Attachment 3), the project is consistent with the policies of the LCP/LUP.

Zoning Ordinance Consistency

The Property is located in the LMR Zone, which intended for residential development in areas characterized primarily by detached single-family homes on both older and newer subdivided lots with a density of four dwelling units per acre. The property is also located in the HOZ, which prohibits development on steep slopes. The project is also located within the Coastal Zone.

The project consists of a remodel and addition to an existing single-family residence. All proposed improvements would be located within the existing developed building pad and would not disturb the steep slopes in the rear (east) portion of the property. As a condition of project approval, the Applicants will be required to obtain a Coastal Development Permit, Waiver, or Exemption from the California Coastal Commission prior to the issuance of building or grading permits.

Development Review Permit Compliance (SBMC Section 17.68.40):

A DRP is required because the proposed development includes a second-floor square footage in excess of 35 percent of the floor area of the first floor. In addition to meeting zoning requirements, the project must also be found in compliance with development review criteria. The following is a list of the development review criteria topics:

- 1. Relationship with Adjacent Land Uses
- 2. Building and Structure Placement
- 3. Landscaping
- 4. Roads, Pedestrian Walkways, Parking, and Storage Areas
- 5. Grading
- 6. Lighting
- 7. Usable Open Space

The Council may approve, or conditionally approve, a DRP only if all of the findings listed below can be made. Resolution 2021-140 provides the full discussion of the findings.

 The proposed development is consistent with the general plan and all applicable requirements of the zoning ordinance including special regulations, overlay zones, and specific plans.

- 2. The proposed development complies with the development review criteria.
- 3. All required permits and approvals issued by the city, including variances, conditional use permits, comprehensive sign plans, and coastal development permits have been obtained prior to or concurrently with the development review permit.
- 4. If the development project also requires a permit or approval to be issued by a state or federal agency, the city council may conditionally approve the development review permit upon the Applicants obtaining the required permit or approval from the other agency.

If the above findings cannot be made, the Council shall deny the DRP. The following is a discussion of the applicable development review criteria as they relate to the proposed project.

Relationship with Adjacent Land Uses:

The property is located within the LMR Zone. Surrounding properties on San Mario Drive are also located in the LMR Zone and developed with similar one- and two-story single-family residences that were subdivided and constructed in the mid-1970's. The project, as designed, is consistent with the permitted uses for the LMR Zone as described in SBMC Sections 17.20.010 and 17.12.020. The property located immediately to the east is within in the County of San Diego's jurisdiction and is developed with a single-family residence. The proposed project could be found to be compatible with adjacent development.

Building and Structure Placement:

The Applicants are proposing to remodel the existing single-story residence and construct a 486 square-foot first-floor addition and a new 804 square-foot second floor. The first-floor addition would be located on the southwest and southeast corners of the existing residence. The new second floor would be located over the northeast portion of the existing residence. The proposed addition would be located entirely within the buildable area. Driveway and pedestrian access to the property would not be modified. Proposed yard improvements include a new patio area located on the east side of the residence and within the developed portion of the property.

The SBMC parking regulations require two off-street parking spaces per single-family residence. The Code indicates that when required spaces are provided in a garage, 200 square feet of floor area is exempted for each required space. The existing 505 square-foot attached garage provides two unobstructed parking spaces of 9 feet by 19 feet. Therefore, 400 square feet of the garage is exempt from the calculation of floor area. With the exemption, the total proposed floor area would be 3,116 square feet, which is 3,098 square feet below the maximum allowable floor area for the 15,714 square-foot lot.

The maximum floor area calculation for this project is as follows:

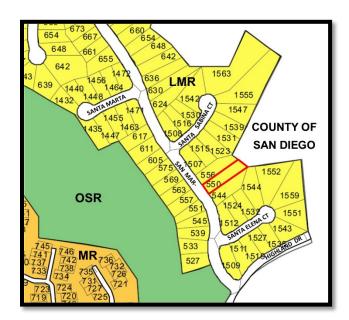
0.60 for first 5,000 SF	3,000 SF
0.30 for 5,000 to 20,000 SF	3,214 SF
Maximum Allowable Floor Area:	6,214 SF

As mentioned previously, the proposed additions would maintain the existing 66-foot buffer between the residence and the ESHA in the rear portion of the property. The residence would maintain a 105-foot setback from the rear property line. The required and proposed front yard setback is 20 feet, which can be reduced from 25 feet given that San Mario Drive is 60 feet wide. The residence would maintain the existing and required 10-foot side-yard setbacks. The northern setback overlaps the 10-foot side yard easement dedicated to the property immediately to the north. A portion of the addition would be located along the southern side-yard setback, whereas the other addition areas and existing residence are setback approximately 12 feet from the southern side property line. Additionally, the southern side-yard includes the 10-foot-wide easement for yard improvements dedicated from the adjacent property.

The maximum building height for the LR Zone is 25 feet. The proposed residence is proposed at 23.78 feet above the pre-existing and proposed grade or 286.11 feet above MSL. As designed, the project will comply with the required off-street parking, maximum allowable floor area, required setbacks, and maximum building height.

Neighborhood Comparison:

Staff compared the proposed project to 34 other properties within the surrounding area. This area includes properties on San Mario Drive, Santa Elena Court and Santa Sabina Court, as shown on the following map:



The properties evaluated in this comparison are also located in the LMR Zone. The existing homes range in size from 1,295 square feet to 4,670 square feet, according to the County Assessor records. It should be noted that the County Assessor does not include the garage or covered exterior areas in the total square footage. Accordingly, the building area of the proposed project has been calculated for comparison purposes by deleting the area of the proposed garage and the outdoor covered area:

Project Gross Building Area:	3,516 SF
Delete Attached Garage:	- 505 SF
Delete Existing Covered Courtyard	- 85 SF
Deleted Proposed Covered Porch	- 39 SF
Project Area for Comparison to Assessor's Data:	2,889 ft ²

Tab	le 2					
#	Property Address	Lot Size in SF (GIS)	Existing SF Onsite (Assessor)	Proposed / Recently Approved SF	Maximum Allowable SF	Zone
1	544 San Mario Dr	15,287	2,832		6,086	LMR
2	550 San Mario Dr	15,712	1,607	2,889	6,214	LMR
3	556 San Mario Dr	15,195	1,295		6,059	LMR
4	527 San Mario Dr	13,366	1,872		5,510	LMR
5	533 San Mario Dr	12,281	1,601		5,184	LMR
6	539 San Mario Dr	11,627	2,246		4,988	LMR
7	545 San Mario Dr	9,728	2,180		4,418	LMR
8	551 San Mario Dr	9,882	2,180		4,465	LMR
9	557 San Mario Dr	11,442	2,496		4,933	LMR
10	563 San Mario Dr	11,374	2,727		4,912	LMR
11	569 San Mario Dr	11,483	2,449		4,945	LMR
12	575 San Mario Dr	11,599	3,213		4,980	LMR
13	605 San Mario Dr	11,716	2,584		5,015	LMR
14	611 San Mario Dr	12,982	2,180		5,395	LMR
15	617 San Mario Dr	13,083	2,006		5,425	LMR
16	1512 Santa Elena Ct	11,986	2,496		5,096	LMR
17	1524 Santa Elena Ct	10,383	1,781		4,615	LMR
18	1532 Santa Elena Ct	10,274	2,372		4,582	LMR
19	1544 Santa Elena Ct	17,203	1,916		6,661	LMR
20	1503 Santa Elena Ct	15,213	1,833		6,064	LMR
21	1511 Santa Elena Ct	11,930	2,006		5,079	LMR
22	1519 Santa Elena Ct	9,966	1,710		4,490	LMR
23	1527 Santa Elena Ct	10,260	2,496		4,578	LMR
24	1535 Santa Elena Ct	10,114	2,290		4,534	LMR
25	1507 Santa Sabina Ct	11,552	2,806		4,966	LMR
26	1515 Santa Sabina Ct	10,639	2,819		4,692	LMR
27	1523 Santa Sabina Ct	13,572	2,156		5,572	LMR

28	1531 Santa Sabina Ct	14,558	1,525		5,867	LMR
29	1539 Santa Sabina Ct	13,247	1,607		5,474	LMR
30	1547 Santa Sabina Ct	17,490	3,301		6,747	LMR
31	1555 Santa Sabina Ct	45,742	4,670		15,223	LMR
32	1563 Santa Sabina Ct	52,455	2,171		17,237	LMR
33	1508 Santa Sabina Ct	11,018	1,525		4,805	LMR
34	1516 Santa Sabina Ct	10,548	2,268		4,664	LMR
35	1530 Santa Sabina Ct	9,600	2,268	3,344	4,380	LMR

Table 2 is based upon the County Assessor's data and SanGIS data. It contains neighboring lot sizes, the square footage of existing development and the maximum allowable square footage for potential development on each lot.

Fences, Walls and Retaining Walls:

Within the front yard setback area, the SBMC Section 17.20.040(O) allows fences and walls, or any combination thereof, to be no higher than 42 inches in height as measured from existing grade, except for an additional two feet of fence that is at least 80% open to light. Fences, walls and retaining walls located within the rear and interior side yards are allowed to be up to six feet in height with an additional 24 inches that is 50% open to light and air.

The Applicants are proposing to maintain the existing fencing, which encloses the usable yard area of the developed portion of the property and side yard easement. A six-foot tall fence runs from the eastern corner of the proposed addition to the adjacent residence. Another six-foot tall segment runs from the northern corner of the adjacent residence to the easternmost extent of the developed pad. A three-foot tall fence segment runs along the top of the slope and connects to an eight-foot-tall fence that runs along the northern easement line and attaches to the northern corner of the existing residence.

Currently, the plans show fences and walls that comply with the requirements of SBMC 17.20.040(O) and 17.60.070(C). If the Applicants decide to modify any of the proposed fences and walls or construct additional fences and walls on the project site, a condition of project approval indicates that they would be required to be in compliance with the Municipal Code.

Landscape:

The project is not subject to the current water efficient landscaping regulations of SBMC Chapter 17.56. According to SBMC Section 17.56.040, the regulations apply to modified landscape areas that exceed 500 square feet. The Applicants are proposing to modify 375 square feet of landscape area. A condition has been added to require that native or drought-tolerant and non-invasive plant materials and water-conserving irrigation systems are required to be incorporated into the landscaping to the extent feasible.

Parking:

SBMC Section 17.52.040 and the Off-Street Parking Design Manual (OSPDM) require two (2) parking spaces for a single-family residence. The Applicants are proposing to maintain the existing 505 square-foot attached garage and driveway. SBMC Section 17.08.030 indicates that required parking up to 200 square feet per parking space provided in a garage is exempt from the floor area calculation. The proposed garage will provide two 9-foot by 19-foot parking spaces that are clear of obstruction. Therefore, 400 square feet of garage area is exempt from the project's total floor area calculation.

Grading:

The project would include grading in the amount of 6 cubic yards of excavation for footings for the first-floor addition. No other grading, including earthwork located in the steep slopes on the rear portion of the lot, is proposed with the project.

Lighting:

A condition of project approval is that all new exterior lighting fixtures comply with the City-Wide Lighting Regulations of the Zoning Ordinance (SBMC 17.60.060). All light fixtures shall be shielded so that no light or glare is transmitted or reflected in such concentrated quantities or intensities as to be detrimental to the surrounding area.

Usable Open Space:

The project consists of the construction of a remodel and addition to a single-family residence with an attached garage on a developed residential lot, therefore, usable open space and recreational facilities are neither proposed nor required according to SBMC Section 17.20.040. As a condition of approval, the Applicants will be required to pay the City's Park Impact Fee.

Structure Development Permit Compliance:

The proposed structure exceeds 16 feet in height above the pre-existing grade; therefore, the project must comply with all of the View Assessment requirements of SBMC Chapter 17.63 and the Applicants were required to complete the SDP process. The Applicants had story poles erected onsite. A final Story Pole Height Certification was issued by a licensed land surveyor on September 13, 2021, which showed the highest story pole certified at 286.11 feet above MSL and 23.78 feet above the pre-existing and proposed grade. Notices to apply for View Assessment were mailed to property owners and occupants within 300 feet of the project site, which established a deadline to file for View Assessment on December 3, 2021. No applications for View Assessment were received by the City. Therefore, if the Council is able to make the required findings to approve the DRP, the SDP would be approved administratively.

As a condition of approval, a height certificate prepared by a licensed land surveyor will be required prior to the framing inspection certifying that the tallest point of the proposed

December 15, 2021 DRP21-008/SDP21-009 550 San Mario Drive – Crivello-Barton Page 12 of 13

residence will not exceed 23.78 feet above the proposed grade and the highest point of the structure will not exceed 286.11 feet above the MSL.

Property Frontage and Public Right-of-Way Improvements

The existing property frontage is improved with concrete 6-inch curb, gutter, and sidewalk. The area between the back of sidewalk and property line consists of landscaping at 2 percent grade. If approved, the driveway approach will be reconstructed as a condition of approval to meet Americans with Disabilities Act (ADA) standards.

Public Hearing Notice:

Notice of the City Council Public Hearing for the project was published in the Union Tribune more than 10 days prior to the public hearing. The same public notice was mailed to property owners and occupants within 300 feet of the proposed project site on December 3, 2021. Staff has not received correspondence about the proposed development.

Conditions from the Planning, Engineering, and Fire Departments have been incorporated into the Resolution of Approval.

In conclusion, the proposed project, as conditioned, could be found to be consistent with the Zoning regulations and the General Plan.

CEQA COMPLIANCE STATEMENT:

The project is exempt from the California Environmental Quality Act (CEQA) pursuant to Section 15303 of the State CEQA Guidelines. Class 3 consists of construction and location of limited numbers of new, small facilities or structures. Examples of this exemption include one single-family residence or second dwelling unit in a residential zone. In urbanized areas, up to three-single-family residences may be constructed or converted under this exemption.

FISCAL IMPACT: N/A

WORK PLAN: N/A

OPTIONS:

- Approve Staff recommendation adopting the attached Resolution 2021-140.
- Approve Staff recommendation subject to additional specific conditions necessary for the City Council to make all required findings for the approval of a DRP.
- Deny the project if all required findings for the DRP and cannot be made.

DEPARTMENT RECOMMENDATION:

The proposed project meets the minimum zoning requirements under the SBMC, may be found to be consistent with the General Plan and may be found, as conditioned, to meet the discretionary findings required as discussed in this report to approve a DRP and an administrative SDP. Therefore, Staff recommends that the City Council:

- 1. Conduct the Public Hearing: Open the Public Hearing, Report Council Disclosures, Receive Public Testimony, and Close the Public Hearing.
- 2. Find the project exempt from the California Environmental Quality Act pursuant to Section 15303 of the State CEQA Guidelines; and
- 3. If the City Council makes the requisite findings and approves the project, adopt Resolution 2021-140 conditionally approving a DRP and SDP to construct a remodel, a 486 square-foot first-floor addition, and an 804 square-foot new second-floor addition to a 1,721 square-foot single-story single-family residence with a 505 square-foot attached two-car garage and perform associated site improvements at 550 San Mario Drive, Solana Beach.

CITY MANAGER'S RECOMMENDATION:

Approve Department Recommendation.

Gregory Wade, City Manager

Attachments:

- 1. Resolution 2021-140
- 2. Project Plans
- 3. Biology Report prepared by Alden Environmental, Inc.

RESOLUTION 2021-140

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOLANA BEACH, CALIFORNIA, CONDITIONALLY APPROVING A DEVELOPMENT REVIEW PERMIT AND STRUCTURE DEVELOPMENT PERMIT TO CONSTRUCT A REMODEL AND TWO-STORY ADDITION TO A SINGLE-STORY SINGLE-FAMILY RESIDENCE WITH AN ATTACHED GARAGE AND PERFORM ASSOCIATED SITE IMPROVEMENTS AT 550 SAN MARIO DRIVE, SOLANA BEACH, APN: 263-583-15

APPLICANTS: CHRISTINE CRIVELLO AND

DAVE BARTON

APPLICATION: DRP21-008 and SDP21-009

WHEREAS, Christine Crivello and Dave Barton (hereinafter referred to as "Applicants"), have submitted an application for a Development Review Permit (DRP) and Structure Development Permit (SDP) pursuant to Title 17 (Zoning) of the Solana Beach Municipal Code (SBMC); and

WHEREAS, the Public Hearing was conducted pursuant to the provisions of Solana Beach Municipal Code Section 17.72.030; and

WHEREAS, at the Public Hearing on December 15, 2021, the City Council received and considered evidence concerning the proposed application; and

WHEREAS, the City Council of the City of Solana Beach found the application request exempt from the California Environmental Quality Act pursuant to Section 15303 of the State CEQA Guidelines; and

WHEREAS, this decision is based upon the evidence presented at the hearing, and any information the City Council gathered by viewing the site and the area as disclosed at the hearing.

NOW THEREFORE, the City Council of the City of Solana Beach, California, does resolve as follows:

- I. That the foregoing recitations are true and correct.
- II. That the request for a DRP and SDP to construct a remodel, a 486 square-foot first-floor addition, and an 804 square-foot new second-floor addition to an existing 1,721 square-foot single-story single-family residence with a 505 square-foot attached two-car garage and perform associated site improvements at 550 San Mario Drive, Solana Beach, is conditionally approved based upon the following Findings and subject to the following Conditions:

III. FINDINGS

- A. In accordance with Section 17.68.040 (Development Review Permit) of the City of Solana Beach Municipal Code, the City Council finds the following:
 - I. The proposed project is consistent with the General Plan and all applicable requirements of SBMC Title 17 (Zoning Ordinance), including special regulations, overlay zones and specific plans.

General Plan Consistency: The Property is designated as Low-Medium Density Residential in the General Plan Land Use Map (Figure LU-2). The Low-Medium Residential land use category specifies that "single-family residences are to be developed at a maximum density of four dwelling units per acre. Other compatible uses such as accessory dwelling units, home occupations, religious institutions, educational institutions, parks and recreation facilities, and public utilities are permitted or conditionally permitted" (Land Use Element V.I Land Use Plan).

The Property is also identified as being located within the boundaries of the HOZ, which is "intended to restrict the grading of natural slopes with a gradient of 25 percent or higher in order to preserve the natural topography and scenic qualities of Solana Beach, protect native coastal sage/chaparral and grassland habitat, preserve existing watersheds, and reduce potential environmental hazards such as soil erosion" (Land Use Element V.I Land Use Plan).

Policy LU-5.3: Except where necessary to prevent the denial of all reasonable economic use of property as determined by the City Council after hearing, grading on natural slopes with an average inclination in excess of 25 percent shall be restricted. This policy shall be used to maintain as much of the natural terrain as possible, while allowing reasonable use of property.

The Council finds that the proposed project is consistent with the Low-Medium Density Residential land use designation since the project encourages the development and maintenance of healthy residential neighborhoods, the stability of transitional neighborhoods, and the rehabilitation of deteriorated neighborhoods. The project will not include building or grading in slopes exceeding 25 percent slope. Therefore, it is exempt from the provisions on the Hillside Overlay Zone (HOZ).

Local Coastal Program Land Use Plan Consistency: According to the Environmentally Sensitive Habitat Area (ESHA) map from Chapter 3 of the City's adopted Local Coastal Program (LCP) Land Use Plan (LUP), the property has mapped ESHA on site, which was confirmed by the Applicants' site-specific Biology Report. There are various policies contained in the LUP which specify resource protection and development

policies that the proposed project would comply with. The key relevant LUP policy which applies to this project are listed below in italics for reference followed by an analysis of the how the proposed project is designed in compliance with the respective LUP policy:

Policy 3.22: Development adjacent to ESHAs shall minimize impacts to habitat values or sensitive species to the maximum extent feasible. Native vegetation buffer areas shall be provided around ESHAs to serve as transitional habitat and provide distance and physical barriers to human intrusion. Buffers shall be of a sufficient size to ensure the biological integrity and preservation of the ESHA they are designed to protect.

All buffers around (non-wetland) ESHA shall be a minimum of 100 feet in width, or a lesser width may be approved by the Planning Department and Fire Marshal as addressed in Policy 3.65. However, in no case can the buffer size be reduced to less than 50 feet.

The proposed site improvements would be located entirely within the existing developed area of the lot and would not reduce the existing 66-foot buffer between the residence and the mapped ESHA. As noted in the Biology Report, the project is consistent with the policies of the LCP/LUP.

Zoning Ordinance Consistency: The Property is located in the LMR Zone, which intended for residential development in areas characterized primarily by detached single-family homes on both older and newer subdivided lots with a density of four dwelling units per acre. The property is also located in the HOZ, which prohibits development on steep slopes. The project is also located within the Coastal Zone.

The project consists of a remodel and addition to an existing single-family residence. The project is consistent with all applicable requirements of the Zoning Ordinance (Title 17) (SBMC 17.20.030 and 17.48.040), which delineates maximum allowable Floor Area Ratio (FAR), Permitted Uses and Structures (SBMC Section 17.20.020) which provides for uses of the property for a single-family residence. Further, the project adheres to all property development regulations established for the Low-Medium Residential (MR) Zone and cited by SBMC Section 17.020.030 including minimum yard dimensions (i.e., setbacks), maximum allowable floor area, maximum building height, and off-street parking requirements.

All proposed improvements would be located within the existing developed building pad and would not disturb the steep slopes in the rear (east) portion of the property. Therefore, the project is exempt from the regulations of the HOZ. As a condition of project approval, the Applicants will be required to obtain a Coastal Development Permit, Waiver, or Exemption from the California Coastal Commission prior to the issuance of building or grading permits.

- II. The proposed development complies with the following development review criteria set forth in Solana Beach Municipal Code Section 17.68.040.F:
 - a. Relationship with Adjacent Land Uses: The development shall be designed in a manner compatible with and where feasible, complimentary to existing and potential development in the immediate vicinity of the project site. Site planning on the perimeter of the development shall give consideration to the protection of surrounding areas from potential adverse effects, as well as protection of the property from adverse surrounding influences.

The property is located within the LMR Zone. Surrounding properties on San Mario Drive are also located in the LMR Zone and developed with similar one- and two-story single-family residences that were subdivided and constructed in the mid-1970's. The project, as designed, is consistent with the permitted uses for the LMR Zone as described in SBMC Sections 17.20.010 and 17.12.020. The property located immediately to the east is within in the County of San Diego's jurisdiction and is developed with a single-family residence. The proposed project is found to be compatible with adjacent development.

b. Building and Structure Placement: Buildings and structures shall be sited and designed in a manner which visually and functionally enhances their intended use.

The Applicants are proposing to construct a remodel of the existing single-story residence, a 486 square-foot first-floor addition and a new 804 square-foot second floor. The first-floor addition would be located on the southwest and southeast corners of the existing residence. The new second floor would be located over the northeast portion of the existing residence. The proposed addition would be located entirely within the buildable area. Driveway and pedestrian access to the property would not be modified. Proposed yard improvements include a new patio area located on the east side of the residence and within the developed portion of the property.

The SBMC parking regulations require two off-street parking spaces per single-family residence. The Code indicates that when required spaces are provided in a garage, 200 square feet of floor area is exempted for each required space. The existing 505 square-foot attached garage provides two unobstructed parking spaces of 9 feet by 19 feet. Therefore, 400 square feet of the garage is exempt from the calculation of floor area. With the exemption, the total proposed floor area would be 3,116

square feet, which is 3,098 square feet below the maximum allowable floor area for the 15,714 square-foot lot.

The maximum floor area calculation for this project is as follows:

0.60 for first 5,000 SF	3,000 SF
0.30 for 5,000 to 20,000 SF	3,214 SF
Maximum Allowable Floor Area:	6,214 SF

The proposed additions would maintain the existing 66-foot buffer between the residence and the ESHA in the rear portion of the property. The residence will maintain a 105-foot setback from the rear property line. The required and proposed front yard setback is 20 feet, which can be reduced from 25 feet given that San Mario Drive is 60 feet wide. The residence will maintain the existing and required 10-foot side-yard setbacks. The northern setback overlaps the 10-foot side yard easement dedicated to the property immediately to the north. A portion of the addition would be located along the southern side-yard setback, whereas the other addition areas and existing residence are setback approximately 12 feet from the southern side property line. Additionally, the southern side yard includes the 10-foot-wide easement for yard improvements dedicated from the adjacent property.

The maximum building height for the LR Zone is 25 feet. The proposed residence is proposed at 23.78 feet above the preexisting and proposed grade or 286.11 feet above MSL. As designed, the project will comply with the required off-street parking, maximum allowable floor area, required setbacks, and maximum building height.

c. Landscaping: The removal of significant native vegetation shall be minimized. Replacement vegetation and landscaping shall be compatible with the vegetation of the surrounding area. Trees and other large plantings shall not obstruct significant views when installed or at maturity.

The project is not subject to the current water efficient landscaping regulations of SBMC Chapter 17.56. According to SBMC Section 17.56.040, the regulations apply to modified irrigated landscape areas that exceed 500 square feet. The Applicants are proposing to modify 375 square feet of landscape area.

d. Roads, Pedestrian Walkways, Parking and Storage Areas: Any development involving more than one building or structure shall provide common access roads and pedestrian walkways.

Parking and outside storage areas, where permitted, shall be screened from view to the extent feasible, by existing topography, by the placement of buildings and structures, or by landscaping and plantings.

SBMC Section 17.52.040 and the Off-Street Parking Design Manual (OSPDM) require two (2) parking spaces for a single-family residence. The Applicants are proposing to maintain the existing 505 square-foot attached garage and driveway. SBMC Section 17.08.030 indicates that required parking up to 200 square feet per parking space provided in a garage is exempt from the floor area calculation. The proposed garage will provide two 9-foot by 19-foot parking spaces that are clear of obstruction. Therefore, 400 square feet of garage area is exempt from the project's total floor area calculation.

e. Grading: To the extent feasible, natural topography and scenic features of the site shall be retained and incorporated into the proposed development. Any grading or earth-moving operations in connection with the proposed development shall be planned and executed so as to blend with the existing terrain both on and adjacent to the site. Existing exposed or disturbed slopes shall be landscaped with native or naturalized non-native vegetation and existing erosion problems shall be corrected.

The project will include grading in the amount of 6 cubic yards of excavation for footings. No other grading, including earthwork located in the steep slopes on the rear portion of the lot, is proposed with the project.

f. Lighting: Light fixtures for walkways, parking areas, driveways, and other facilities shall be provided in sufficient number and at proper locations to assure safe and convenient nighttime use. All light fixtures shall be appropriately shielded so that no light or glare is transmitted or reflected in such concentrated quantities or intensities as to be detrimental to the surrounding areas per SBMC 17.60.060 (Exterior Lighting Regulations).

A condition of project approval includes that all new exterior lighting fixtures comply with the City-Wide Lighting Regulations of the Zoning Ordinance (SBMC 17.60.060). All light fixtures shall be shielded so that no light or glare is transmitted or reflected in such concentrated quantities or intensities as to be detrimental to the surrounding area.

g. Usable Open Space: Recreational facilities proposed within required usable open space shall be located and designed to maintain essential open space values.

The project consists of the construction of a remodel and addition to a single-family residence with an attached garage on a developed residential lot; therefore, usable open space and recreational facilities are neither proposed nor required according to SBMC Section 17.20.040.

III. All required permits and approvals including variances, conditional use permits, comprehensive sign plans, and coastal development permits have been obtained prior to or concurrently with the development review permit.

All required permits, including a Structure Development Permit, are being processed concurrently with the Development Review Permit.

IV. If the development project also requires a permit or approval to be issued by a state or federal agency, the city council may conditionally approve the development review permit upon the Applicant obtaining the required permit or approval from the other agency.

The Applicants are required to obtain approval from the California Coastal Commission prior to issuance of Building or Grading Permits.

B. In accordance with Section 17.63.040 (Structure Development Permit) of the Solana Beach Municipal Code, the City Council finds the following:

The proposed structure exceeds 16 feet in height above the pre-existing grade; therefore, the project must comply with all of the View Assessment requirements of SBMC Chapter 17.63 and the Applicants were required to complete the SDP process. The Applicants had story poles erected onsite. A final Story Pole Height Certification was issued by a licensed land surveyor on September 13, 2021, which showed the highest story pole certified at 286.11 feet above MSL and 23.78 feet above the pre-existing and proposed grade. Notices to apply for View Assessment were mailed to property owners and occupants within 300 feet of the project site, which established a deadline to file for View Assessment on December 3, 2021. No applications for View Assessment were received by the City. Therefore, if the Council is able to make the required findings to approve the DRP, the SDP would be approved administratively.

As a condition of approval, a height certificate prepared by a licensed land surveyor will be required prior to the framing inspection certifying that the tallest point of the proposed residence will not exceed 23.78 feet above the proposed grade and the highest point of the structure will not exceed 286.11 feet above the MSL.

IV. CONDITIONS

Prior to use or development of the property in reliance on this permit, the Applicants shall provide for and adhere to the following conditions:

- A. Community Development Department Conditions:
 - I. The Applicants shall pay required Fire Mitigation, Park Development, Public Use Facilities, and Public Facilities Impact Fees.
 - II. Building Permit plans must be in substantial conformance with the architectural plans presented to the City Council on December 15, 2021, and located in the project file with a submittal date of December 6, 2021.
 - III. Prior to requesting a framing inspection, the Applicants shall submit a height certificate prepared by a licensed land surveyor prior to the framing inspection certifying that the tallest point of the proposed residence will not exceed 23.78 feet above the proposed grade or 286.11 feet above MSL in conformance with the plans as approved by the City Council on December 15, 2021.
 - IV. Any proposed onsite fences, walls and retaining walls and any proposed railing located on top, or any combination thereof, shall comply with applicable regulations of SBMC Section 17.20.040 and 17.60.070 (Fences and Walls).
 - V. The Applicants shall obtain required California Coastal Commission (CCC) approval of a Coastal Development Permit, Waiver or Exemption as determined necessary by the CCC, prior to the issuance of Building and Grading Permits.
 - VI. Native or drought tolerant and non-invasive plant materials and water conserving irrigation systems shall be incorporated into any proposed landscaping and compatible with the surrounding area to the extent feasible.
 - VII. All new exterior lighting fixtures shall be in conformance with the Citywide lighting regulations of the Zoning Ordinance (SBMC 17.60.060). All light fixtures shall be appropriately shielded so that no light or glare is transmitted or reflected in such concentrated quantities or intensities as to be detrimental to the surrounding area.
 - VIII. Construction vehicles shall be parked on the subject property at all times feasible. If construction activity prohibits parking on the subject property, the Applicants shall ensure construction vehicles are parked in such a way to allow sufficient vehicular access on the street and

minimize impact to the surrounding neighbors.

IX. The Applicants shall connect to temporary electrical service as soon as feasible to the satisfaction of the City.

B. Fire Department Conditions:

- I. OBSTRUCTION OF ROADWAYS DURING CONSTRUCTION: All roadways shall be a minimum of 20 feet in width during construction and maintained free and clear, including the parking of vehicles, in accordance with the California Fire Code and the Solana Beach Fire Department.
- II. ADDRESS NUMBERS: STREET NUMBERS: Approved numbers and/or addresses shall be placed on all new and existing buildings and at appropriate additional locations as to be plainly visible and legible from the street or roadway fronting the property from either direction of approach. Said numbers shall contrast with their background and shall meet the following minimum standards as to size: 4" high with a ½" inch stroke width for residential buildings, 8" high with a ½" stroke for commercial and multi-family residential buildings, 12" high with a 1" stroke for industrial buildings. Additional numbers shall be required where deemed necessary by the Fire Marshal, such as rear access doors, building corners, and entrances to commercial centers.
- III. AUTOMATIC FIRE SPRINKLER SYSTEM ONE- AND TWO-FAMILY DWELLINGS: Structures shall be protected by an automatic fire sprinkler system designed and installed to the satisfaction of the Fire Department. Plans for the automatic fire sprinkler system shall be approved by the Fire Department prior to installation. Sprinklers will be required due to significant modifications and additions being over 50 percent of existing structure.
- IV. CLASS "A" ROOF: All structures shall be provided with a Class "A" Roof covering to the satisfaction of the Solana Beach Fire Department.

C. Engineering Department Conditions:

- I. The Applicants shall provide a study and storm water management plan prepared by a registered civil engineer that analyzes the following storm water issues. An Engineering Permit will be required as a condition of approval for the project.
 - a. A detention area for the added impervious area may be required. This detention area must show the detention location and the outflow characteristics. The detention area shall be sized to accommodate the increase in runoff generated on the property due to the new impervious area.

- b. The study shall indicate the amount of impervious area proposed to be added by the project.
- c. Construction best management practices (BMPs) and the general drainage pattern of the property need to be shown on the site plan.
- d. Roof drains need to flow into landscaped areas before being collected and draining to the street. Please show all roof drains (both existing and proposed) for the property on the site plan.
- II. The existing driveway approach on San Mario Drive does not meet the current City standards. As a condition of approval, the Applicants are required to remove the existing driveway approach and construct the driveway approach per modified SDRSD G-14. The proposed driveway shall have 2:1 transitions to the existing concrete sidewalk.
- III. The Applicants are required to obtain an Encroachment Permit in accordance with SBMC Section 11.20 for the below frontage improvements being done in the public right-of-way. The frontage improvements shall be done to the satisfaction of the City Engineer prior to the occupancy of the proposed project.
 - a. Removal and reconstruction of the existing driveway approach and per modified SDRSD G-14.
- IV. All construction demolition materials shall be recycled according to the City's Construction and Demolition recycling program and an approved Waste Management Plan shall be submitted.
- V. Construction fencing shall be located on the subject property unless the Applicants have obtained an Encroachment Permit in accordance with chapter 11.20 of the SBMC which allows otherwise.

I. ENFORCEMENT

Pursuant to SBMC 17.72.120(B) failure to satisfy any and all of the above-mentioned conditions of approval is subject to the imposition of penalties as set forth in SBMC Chapters 1.1.6 and 1.18 in addition to any applicable revocation proceedings.

II. EXPIRATION

The Development Review Permit and Structure Development Permit for the project will expire 24 months from the date of this Resolution, unless the Applicants have obtained building permits and has commenced construction prior to that date, and diligently pursued construction to completion. An extension of the application may be granted by the City Council according to SBMC 17.72.110.

III. INDEMNIFICATION AGREEMENT

The Applicants shall defend, indemnify, and hold harmless the City, its agents, officers, and employees from any and all claims, actions, proceedings, damages, judgments, or costs, including attorney's fees, against the City or its agents. officers, or employees, relating to the issuance of this permit including, but not limited to, any action to attack, set aside, void, challenge, or annul this development approval and any environmental document or decision. The City will promptly notify the Applicants of any claim, action, or proceeding. The City may elect to conduct its own defense, participate in its own defense, or obtain independent legal counsel in defense of any claim related to this indemnification. In the event of such election, the Applicants shall pay all of the costs related thereto, including without limitation reasonable attorney's fees and costs. In the event of a disagreement between the City and Applicants regarding litigation issues, the City shall have the authority to control the litigation and make litigation related decisions, including, but not limited to, settlement or other disposition of the matter. However, the Applicants shall not be required to pay or perform any settlement unless such settlement is approved by the Applicants.

NOTICE TO APPLICANTS: Pursuant to Government Code Section 66020, you are hereby notified that the 90-day period to protest the imposition of the fees, dedications, reservations or other exactions described in this resolution commences on the effective date of this resolution. To protest the imposition of any fee, dedications, reservations or other exactions described in this resolution you must comply with the provisions of Government Code Section 66020. Generally the resolution is effective upon expiration of the tenth day following the date of adoption of this resolution, unless the resolution is appealed or called for review as provided in the Solana Beach Zoning Ordinance.

PASSED AND ADOPTED at a special meeting of the City Council of the City of Solana Beach, California, held on the 15th day of December, 2021, by the following vote:

	AYES: NOES: ABSENT: ABSTAIN:	Councilmembers – Councilmembers – Councilmembers – Councilmembers –		
			LESA HEEBNER, MAYOR	
APP	ROVED AS T	O FORM:	ATTEST:	
JOH	ANNA N. CAN	ILAS, City Attorney	ANGELA IVEY, City Clerk	

Nate:

Cisa Blan



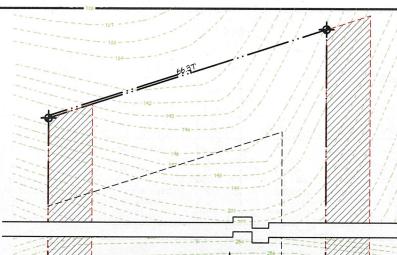


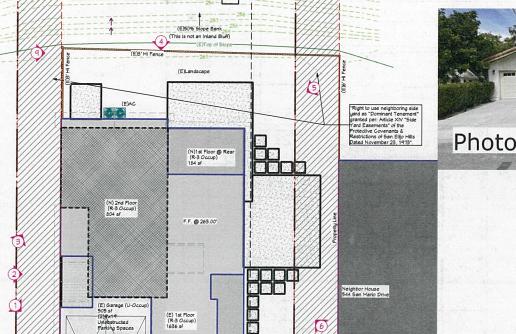


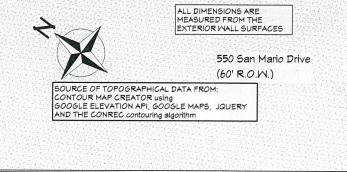


*X

















ATTACHMENT 2

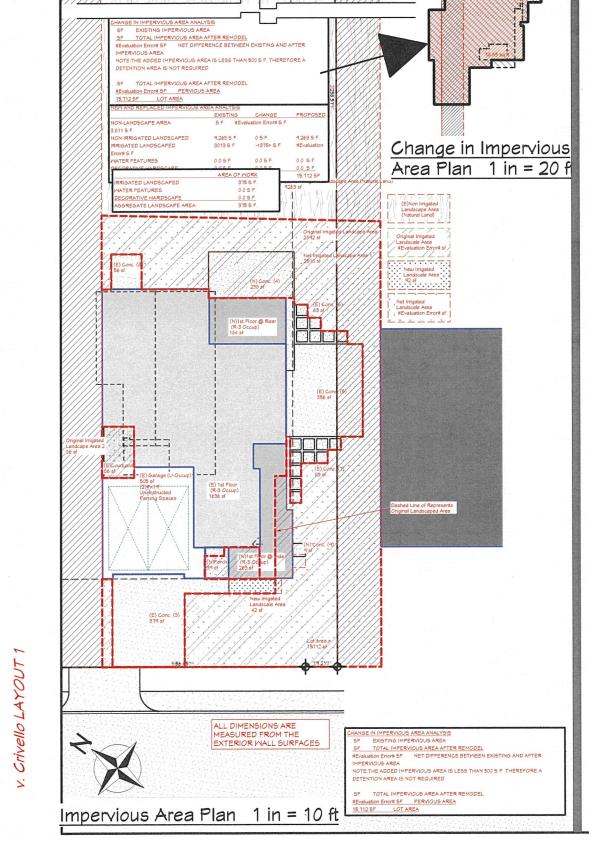
Gita Plan 1 in - 10 4

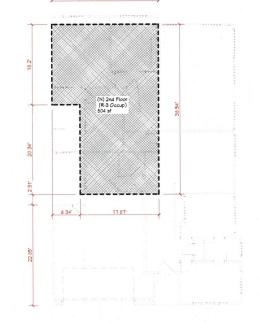
REVISIONS

Plans Prepared by

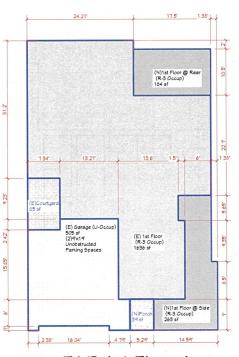
D. Scott Hall Designers
16685 W Bernardo Dr. #102 S.D., .Ca. 42127
Tel (619)200-1623

1a

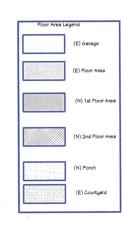




FAR 2nd Floor Area Analysis Plan 1 in = 10 ft



FAR 1st Floor Area Analysis Plan
1 in = 10 ft



Total Building Area Summary Table	
Floor Area Analysis	
(E) 1st Floor Living Area (R-3 -Occ.)	1,636 sf
(E) Garage (U -Occ.)	505 sf
(E) Courtysrd (U -Occ.)	85 sf
(N) 1st Floor Living Area (R-3 -Occ.)	447 sf
(N) 2nd Floor Living Area (R-3 -Occ.)	804 sf
(N) Front Porch (U -Occ.)	39 sf
Subtotal Floor Area for FAR (6214 max.)	3,516
Off-Street Parking Exemption (2 spaces)	-400 sf
Total Propose Floor Area	3,116 sf

(All Dimensions are Measured from the Exterior Wall Surface)

Q	ua	ni	tity	of	GI	ac	lin
---	----	----	------	----	----	----	-----

100 cubic yards of grading (SBMC 17.68.040(B).

xcavation Table:

12" x 12" x 150" long footings = 5.6 cy Removal or Re-Compaction for constru

REVISIONS

Plans Prepared by

D. SCOTT +
16885 W. Bernard
Tel (619)200-1623

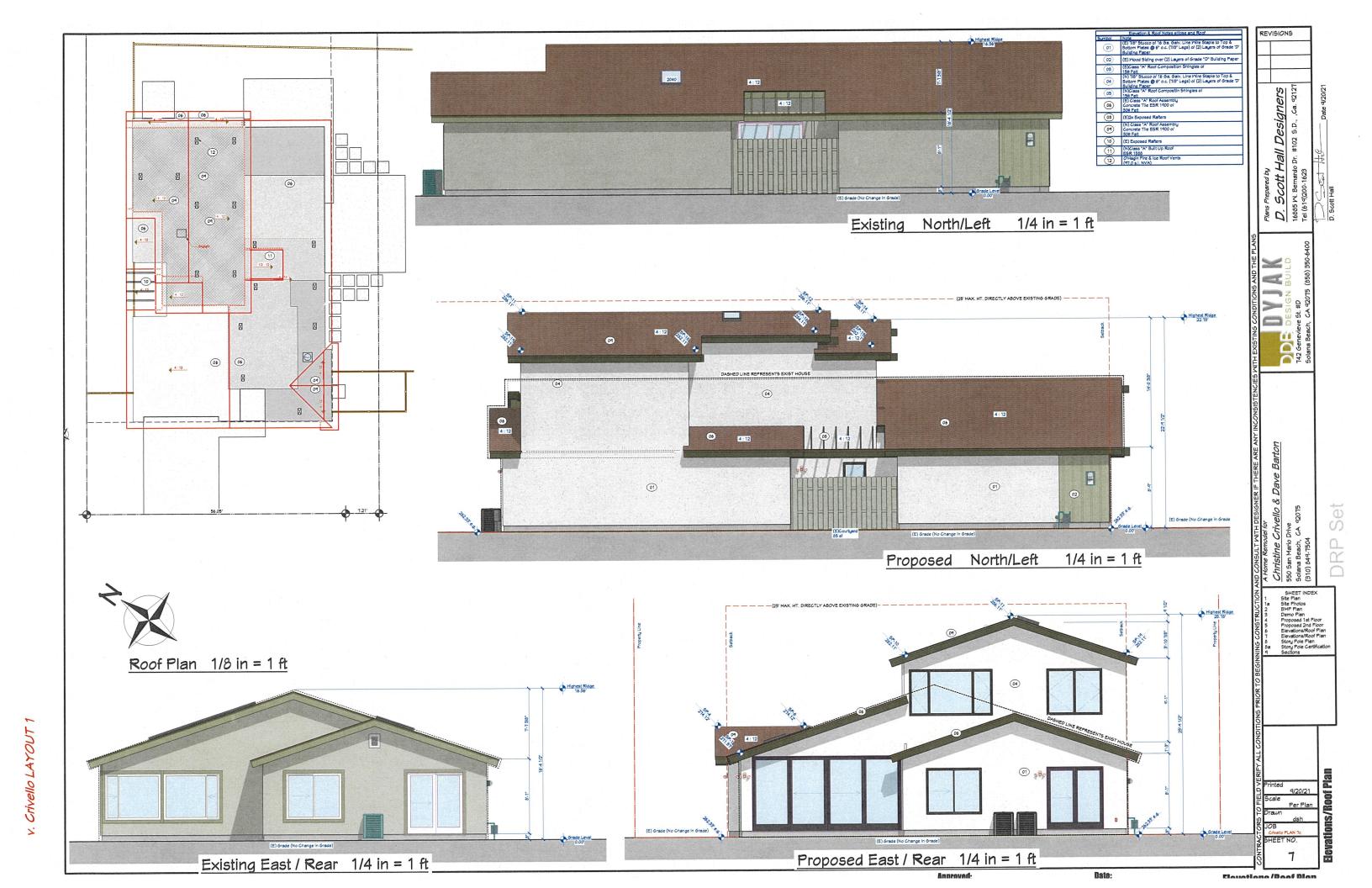
E C E

2

REVISIONS

Vello LAYOUT 1

: Crivello LAYOUT



261

SP-20 = Story Pole #20



CITY OF SOLANA BEACH SSS SCUITH-HIGHWAY 161-801-ANA BEACH-CALFORNA \$8075 - 6869 720-2400 - FAX (888) 756-1782

STORY POLE HEIGHT CERTIFICATION

Date: SEPT. 13, 2021

Assessor's Parcel No.: 263-583-15

550 SAN MARIO DR CRIVELLO - BARTON Owner's Name:

This is to certify that on <u>September (2, 202)</u> the story poles located on the above referenced site were surveyed by the undersigned, and found to be in conformance with the attached story pole plot plan. In addition, the following measurements were found:

Highest point of the story poles: 286.11 (M.S.L.)* Pre-existing grade:

267.33 (M.S.L.)*

Finished grade elevation: 262.33' (M.S.L.)*

Finished floor elevation: 263.00' (M.S.L.)*

TOTAL MAXIMUM HEIGHT: 23.78

PLEASE NOTE: The story poles must show and include the total height must include roofing materials. At framing inspection, a Height Certification will be required which must be in exact conformance with the maximum height shown on Story Pole Height Certification.

For additional information, please contact me at 760-224-7653 (phos

Seal of Registration:

January 2019

*

*Mean Sea Level (MSL) — all measurements must utilize an established benchman the project exerts. FIM RIR TO RENAIN ELEV. = 263.00

Page 21 of 25

L.S. 8591

SAN MARIO DRIVE (5) 4 6 (<u>a</u>) 14 15 (7) (8) (2) (<u>1</u>) (19) LWR

C-Story Poles, Inc. Chris Collins

PGLOFL NAME: CRIVELLO - BARTON SITE: 550 SAN MARIO DR.

DATE 09-13-21 W.D. 21-1586 ACC 95HOV

APL	ES.PT	POINT ELEV.	PLAN ELEV.	C/F LENGTH	DESCRIPTION
		26750	27157	F. 907	Te cour Patie
	2	27196	27157	C- 039 +	Roof
	3	27161	77157	C-004+	ROOF
	4	27/63	27412	F. 249	Rose
	5	27166	27157	C-009 4	Roof
	6	27412	27412	F- 0°	Roof.
	_7	278 83	78211 "	F. 328	Roof
	8	27876	27790	C- 1361	Root
*	10	27216	Z8Z <u>11</u>	F- 995	UPR ROOF
		-	27740	F. 524	LWR -
	11	27697	28611	F. 964	ROOF
	12	27648	78611	F. 963	ROOF
	14	27774	28511	F. 737	ROOF
	15	27495	28211	F. 716	ROOF
*	16	27454	28411	F. 957	UPR ROOF
	_	_	28211	F. 757	LWR -
	18	272 22	28211	F- 989	ROOF
	19	27222	28211	F- 989	Roof
		1 -	- 111		7
1					
	*	3 4 5 6 7 8 * 10 - 11 12 14 15 * 16			

REVISIONS

(1)

SHEET INDEX
Site Plan
Site Photos
BMP Plan
Demo Plan
Proposed 1st Floor
Proposed 2nd Floor
Elevations/Roof Plan
Elevations/Roof Plan
Story Pole Plan
Story Pole Certification
Sections

вa

Approved:

Ctom Bala Contification



September 13, 2021

Mr. Jim Dyjak Dyjak Design Build 742 Genevieve Street, Suite D Solana Beach, CA 92075

Subject: 550 San Mario Drive Biology Letter-Revised

Dear Mr. Dyjak:

This letter report describes the existing biological resources for a proposed single family home remodel project and evaluates the potential impacts to those resources that may occur as a result of project implementation. This report is intended to provide the City of Solana Beach (City) with information necessary to assess significant impacts to biological resources under the California Environmental Quality Act (CEQA) and the Local Coastal Plan and Land Use Plan (LCP/LUP). The approximately 0.36 acre (15,712 square feet) parcel (APN 263-583-15) is located at 550 San Mario Drive, in the City of Solana Beach (Figures 1 and 2).

PROJECT DESCRIPTION

The proposed project is the remodel of an existing single family home located on an approximately 0.36 acre parcel. The project would occur within the developed limits of the existing home and yard and includes a 2-story home, garage, driveway, and porch. The project does not involve grading or significant earthwork beyond excavation for footings. The house and yard area also would be surrounded by a fence. Access to the house will continue to be via San Mario Drive. No activities are proposed down the slope to the east of the home.

ENVIRONMENTAL SETTING

The majority (0.29 acres) of the parcel is developed/disturbed and supports the existing house, associated structures, pavement, and landscaping. The eastern end of the parcel drops into a canyon that supports some native vegetation beyond the limits of the existing landscaping. The elevations on the parcel range from approximately 200 to 260 feet above mean sea level (AMSL). Soil on site is mapped as loamy alluvial land-Huerhuero complex, 9 to 50 percent slopes (Bowman 1973).

The site is located in a developed portion of the City with single family homes located to all sides. There also is an intervening undeveloped slope area in the canyon to the east of the existing house. Other uses in the vicinity include the Lomas Santa Fe Executive Golf Course.



METHODS

Vegetation Mapping

Prior to visiting the site, available maps, air photos, and existing conditions material for the site were reviewed. A California Native Diversity Database (CNDDB) search was conducted to identify previously mapped resources on the site and in the vicinity. The National Wetlands Inventory (NWI) and National Hydrological Dataset (NHD) also were reviewed to determine if potentially jurisdictional resources had been previously identified on the site. Finally, available citywide environmentally sensitive habitat mapping provided in the LCP/LUP was reviewed for the site. Biologist Greg Mason then conducted a site visit on May 27, 2021 to identify and map existing biological resources on site.

The site was walked and plant and animal species were recorded. Plant species names followed the Jepson Manual (Baldwin 2012). Vegetation communities were mapped according to Holland's Preliminary Descriptions of the Terrestrial Natural Communities of California (Holland 1986) as updated (Oberbauer 2008). Representative photographs also were taken and are included in Attachment A.

Jurisdictional Resources

While a formal jurisdictional delineation was not conducted, the site was assessed for features that could be considered jurisdictional by the U.S. Army Corps of Engineers (Corps), California Department of Fish & Wildlife (CDFW), Regional Water Quality Control Board (RWQCB), and the California Coastal Commission (Commission).

Sensitive Plant Species

The site visit was conducted during the spring flowering season and a sensitive plant survey was conducted during the visit.

Sensitive Animal Species

No focused sensitive animal species were conducted; however, sensitive animal species were searched for opportunistically during the site visit.

Tree Survey

The City's LCP/LUP includes policies for protection of native trees; therefore, the site also was searched for native tree species that could be affected by the project.



REGULATORY CONTEXT

Federal Government

Administered by the USFWS, the federal Endangered Species Act (ESA) provides the legal framework for the listing and protection of species (and their habitats) that are identified as being endangered or threatened with extinction. Actions that jeopardize endangered or threatened species and the habitats upon which they rely are considered a take under the ESA. Section 9(a) of the ESA defines take as "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to engage in any such conduct." "Harm" and "harass" are further defined in federal regulations and case law to include actions that adversely impair or disrupt a listed species' behavioral patterns.

All migratory bird species that are native to the U.S. or its territories are protected under the federal Migratory Bird Treaty Act (MBTA), as amended under the Migratory Bird Treaty Reform Act of 2004 (FR Doc. 05-5127). The MBTA is intended to protect migratory birds but it does not mandate specific protections. Typically, protection of migratory birds through the MBTA is provided through restrictions on disturbance of active bird nests during the nesting season. In addition, the USFWS commonly places restrictions on disturbances allowed near active raptor nests.

Federal wetland regulation (non-marine issues) is guided by the Rivers and Harbors Act of 1899 and the Clean Water Act. The Rivers and Harbors Act deals primarily with discharges into navigable waters, while the purpose of the Clean Water Act is to restore and maintain the chemical, physical, and biological integrity of all Waters of the U.S. Permitting for projects filling Waters of the U.S. (including wetlands) is overseen by the Corps under Section 404 of the Clean Water Act. Projects could be permitted on an individual basis or be covered under one of several approved nationwide permits. Individual permits are assessed individually based on the type of action, amount of fill, etc. Individual permits typically require substantial time (often longer than 6 months) to review and approve, while nationwide permits are pre-approved if a project meets appropriate conditions. A Section 404 Permit would be required for the proposed project if impacts occur to Corps jurisdictional areas.

State of California

Primary environmental legislation in California is found in CEQA and its implementing guidelines (State CEQA Guidelines), which require that projects with potential adverse effects (or impacts) on the environment undergo environmental review. Adverse environmental impacts are typically mitigated as a result of the environmental review process in accordance with existing laws and regulations.

The California ESA is similar to the federal ESA in that it contains a process for listing of species and regulating potential impacts to listed species. Section 2081 of the California ESA authorizes CDFW to enter into a memorandum of agreement for take of listed species for scientific, educational, or management purposes.



The California Fish and Game Code (Sections 1602) requires a CDFW agreement for projects affecting riparian and wetland habitats through issuance of a Streambed Alteration Agreement. A 1602 Streambed Alteration Agreement would be required for the proposed project if impacts occur to CDFW jurisdictional areas. In addition, any project that requires a Section 404 Permit also would require a Water Quality Certification by the California Regional Water Quality Control Board (RWQCB) under Section 401 of the Clean Water Act. CEQA and its implementing guidelines (CEQA Guidelines) require discretionary projects with potentially significant effects (or impacts) on the environment to be submitted for environmental review. Mitigation for significant impacts to the environment is determined through the environmental review process in accordance with existing laws and regulations.

The California Coastal Act was passed in 1976 to protect land located within the California Coastal Zone. The Coastal Act established policies, coastal boundary lines, and permitting procedures. Further, it provides for the transfer of permitting authority to local governments through adoption and certification of Local Coastal Plans (LCP), via the California Coastal Commission (CCC).

Multiple Habitat Conservation Plan

The Multiple Habitat Conservation Program (MHCP; AMEC Earth & Environmental, Inc. and Conservation Biology Institute 2003) is a comprehensive, multi-jurisdictional planning program designed to develop an ecosystem preserve in the northwestern portion of the San Diego County. It is one of several large, multiple jurisdictional habitat planning efforts in San Diego County, each of which constitutes a "subregional" plan under the State's Natural Community Conservation Planning (NCCP) Act of 1991. The MHCP preserve system is intended to protect viable populations of native plant and animal species and their habitats in perpetuity, while accommodating continued economic development and quality of life for residents of North County.

The MHCP subregion encompasses the seven incorporated cities of northwestern San Diego County (Carlsbad, Encinitas, Escondido, Oceanside, San Marcos, Solana Beach, and Vista). It is intended that these jurisdictions will implement their portions of the MHCP through citywide "subarea" plans, which describe the specific policies each city will institute for the MHCP. While within the limits of the MHCP, the City of Solana Beach has elected to not create a Subarea Plan; therefore, is not subject to the provisions of the MHCP.

City of Solana Beach General Plan – Conservation and Open Space Easement

The Conservation and Open Space Element of the City's General Plan is a combined element which describes existing conditions and issues related to water resources, floricultural resources, air resources, cultural resources, energy resources, and open space/visual resources. This element also contains goals, objectives, and policies established to ensure that natural resources within the City are managed wisely. The proposed project is within a built out portion of the City and would not affect air, energy, paleontological, cultural/scientific, historic, open space/visual, or biological resources. The site is not located within/adjacent to a General Plan identified view corridor or scenic roadway. Additionally, the project would not result in changes to air quality, water supply/drainage patterns, scenic views, open space, park & recreational facilities, trails, or other resources identified in the Element. As such, the project would be in conformance with the goals, objectives, and policies



of this Element and no specific actions or compliance measures would be required of the project during planning and construction.

City of Solana Beach LCP/LUP

The City's adopted LCP/LUP covers the entire City and is intended to implement the State's goals for the coastal zone, which are to:

- a) Protect, maintain, and where feasible, enhance and restore the overall quality of the coastal zone environment and its natural and artificial resources.
- b) Assure orderly, balanced utilization and conservation of coastal zone resources taking into account the social and economic needs of the people of the state.
- c) Maximize public access to and along the coast and maximize public recreational opportunities in the coastal zone consistent with sound resources conservation principles and constitutionally protected rights of private property owners.
- d) Assure priority for coastal-dependent and coastal-related development over other development on the coast.
- e) Encourage state and local initiatives and cooperation in preparing procedures to implement coordinated planning and development for mutually beneficial uses, including educational uses, in the coastal zone.

Chapter 3 of the LCP/LUP (Marine and Land Resources) identifies sensitive biological resources within the City limits and established the Environmentally Sensitive Habitat Area (ESHA). This chapter also identifies specific policies for the identification and protection of ESHAs. LCP/LUP Policy 3.1 indicates that areas considered ESHAs are generally shown in Exhibits 3-6 through 3-10 of the LCP/LUP. According to LCP/LUP Exhibit 3-7, the ESHA (approximately 0.13 acre) occurs on the far eastern of the project parcel (Figure 3). A consistency analysis for applicable LCP/LUP policies has been conducted and is provided in Table 1 below.



	Table 1					
	LCP/LUP Applicable Policy Con	sistency Analysis				
Number	Policy	Consistency Analysis	Consistency Determination			
3.1	Areas in which plant or animal life or their habitats are either rare or especially valuable because of their special nature or role in an ecosystem and which could be easily disturbed or degraded by human activities and developments are ESHAs and are generally shown on the LUP ESHA Maps. The ESHAs in the City of Solana Beach are shown in Exhibits 3-6 through 3-10. Regardless of whether streams and wetlands are designated as ESHA the policies and standards in the LCP applicable to streams and wetlands shall apply.	LCP/LUP Exhibit 3-7 shows a small area of ESHA on the far eastern end of the subject property. Site specific biological mapping identified Diegan coastal sage scrub habitat in roughly the same location. The current biological resources mapping shows the vegetation communities and corresponding ESHA occurring in this area (Figure 3). There is no ESHA within or adjacent to the proposed project footprint.	The proposed project is consistent with this policy.			
3.2	Any Areas of Special Biological Significance and Marine Protected Areas (as designated by the California Department of Fish and Wildlife), shall be considered ESHA and shall be accorded all protection provided for ESHA in the LCP.	The Diegan coastal sage scrub habitat in the far eastern end of the property has been mapped as ESHA, in conjunction with LCP Exhibit 3-7.	The proposed project is consistent with this policy.			
3.7	If a site-specific biological study contains substantial evidence that an area previously mapped as ESHA does not contain habitat that meets the definition of ESHA, the City Community Development Director shall review all available site-specific information to determine if the area in question should no longer be considered ESHA and not subject to the ESHA protection policies of the LUP. If the area is determined to be adjacent to ESHA, LUP ESHA buffer policies shall apply. The Community Development Director shall provide recommendations to the City Council as to the ESHA status of the area in question. If the City Council finds that an area previously mapped as ESHA does not meet the definition of ESHA, a modification shall be made to the LUP ESHA Maps, as part of an LCP map update and LCP Amendment. If an area is not ESHA or ESHA buffer, LCP policies and standards for protection of ESHA and ESHA buffer shall not apply and development may be allowed	The area of Diegan coastal sage scrub habitat is in the area shown as ESHA on Exhibit 3-7. The ESHA mapping for the site showed southern maritime chaparral habitat as being present; however, the actual species present support mapping as Diegan coastal sage scrub (disturbed). In addition, 4 Nuttall's scrub oaks were identified in an area mapped as disturbed habitat. The biological report for the project updated the vegetation mapping and no changes or removal of ESHA are proposed, given it would be entirely avoided with no changes to the preexisting buffer area.	The proposed project is consistent with this policy.			



	Table 1 LCP/LUP Applicable Policy Consistency Analysis						
Number	Policy	Consistency Analysis	Consistency Determination				
	(consistent with other LCP requirements) after the ESHA map and LCP has been amended.						
3.8	ESHA shall be protected against significant disruption of habitat values, and only uses dependent on such resources shall be allowed within such areas.	The proposed project is not within or adjacent to the ESHA and would not alter habitat values within the ESHA. Additionally, the project would maintain the existing buffer between the ESHA and the developed area.	The proposed project is consistent with this policy.				
3.9	Public access-ways and trails are considered resource dependent uses. New access-ways and trails located within or adjacent to ESHA shall be sited to minimize impacts to ESHA to the maximum extent feasible. Measures, including but not limited to signage, placement of boardwalks, and limited fencing shall be implemented as necessary to protect ESHA.	The project is a remodel of an existing home and does not propose any trails or access-ways within or adjacent to the ESHA. Additionally, the existing chain link fence at the border of the existing home will remain in place and help restrict access to the ESHA.	The proposed project is consistent with this policy.				
3.11	New development shall be sited and designed to avoid impacts to ESHA. For development permitted pursuant to Policy 3.10, if there is no feasible alternative that can eliminate all impacts, then the alternative that would result in the fewest or least significant impacts shall be selected. Impacts to ESHA that cannot be avoided through the implementation of sitting and design alternatives shall be fully mitigated, with priority given to on-site mitigation. Off-site mitigation measures shall only be approved when it is not feasible to fully mitigate impacts on-site or where off-site mitigation is more protective. Mitigation shall not substitute for implementation of the project alternative that would avoid impacts to ESHA. Mitigation for impacts to ESHA shall be provided at a 3:1 ratio.	The project is not "New development;" therefore, this policy does not specifically apply. Regardless, the proposed project will completely avoid the ESHA (and its sensitive habitat and species) and maintain the existing buffer from the existing home. As such, there will be no impacts to the ESHA and no subsequent mitigation required.	The proposed project is consistent with this policy.				



Table 1						
Number	LCP/LUP Applicable Policy Con Policy	Consistency Analysis	Consistency Determination			
3.13	ESHA shall be protected and, where feasible, enhanced. Where pedestrian access through ESHA is permitted, well-defined footpaths or other means of directing use and minimizing adverse impacts shall be used. Nesting and roosting areas for sensitive birds such as Western snowy plovers and least terns shall be protected by means, which may include, but are not limited to, fencing, signing, or seasonal access restrictions.	The ESHA and the resources within it will be avoided and the project does not include any access to the ESHA. Additionally, potential bird nesting resources within the ESHA will remain undisturbed by the proposed project.	The proposed project is consistent with this policy.			
3.22	Development adjacent to ESHAs shall minimize impacts to habitat values or sensitive species to the maximum extent feasible. Native vegetation buffer areas shall be provided around ESHAs to serve as transitional habitat and provide distance and physical barriers to human intrusion. Buffers shall be of a sufficient size to ensure the biological integrity and preservation of the ESHA they are designed to protect. All buffers around (non-wetland) ESHA shall be a minimum of 100 feet in width, or a lesser width may be approved by the Planning Department and Fire Marshal as addressed in Policy 3.65. However, in no case can the buffer size be reduced to less than 50 feet.	The ESHA mapping for the site was conducted long after the existing residence was constructed. As such, the buffer between the existing home and the ESHA was set at approximately 66 feet. Additionally, the actual native habitat within the ESHA is approximately 74 feet from the existing home. The proposed project is a home remodel that would occur entirely within the developed footprint of the existing home. The project would not expand development or reduce the amount of the existing ESHA buffer. As such, the proposed project would not result in a decrease to the ESHA buffer.	The proposed project is consistent with this policy.			
3.31	If located in, or adjacent to, ESHA new development shall include an inventory conducted by a qualified biologist of the plant and animal species present on the project site. If the initial inventory indicates the presence or potential for sensitive species or habitat on the project site, a detailed biological study shall be required. Sensitive species are those listed in any of three categories: federally listed, state listed, and California Native Plant Society (CNPS) categories 1B and 2.	The proposed project is a home remodel and is not new development. Regardless, a biological study was conducted for the project footprint as well as the ESHA located on the subject property.	The proposed project is consistent with this policy.			



	Table 1 LCP/LUP Applicable Policy Consistency Analysis					
Number	Policy	Consistency Analysis	Consistency Determination			
3.32	For development in locations known, or determined by environmental review, to potentially have breeding or nesting sensitive birds species, two weeks prior to any scheduled development, a qualified biological monitor shall conduct a preconstruction survey of the site and within 500 feet of the project site. Sensitive bird species are those species designated "threatened" or "endangered" by state or federal agencies, California Species of Special Concern, California Fully Protected Species, raptors, and large wading birds. In addition, surveys must be conducted every two weeks for sensitive nesting birds during the breeding season. If nesting sensitive birds are detected at any time during the breeding season, the California Department of Fish and Wildlife shall be notified and an appropriate disturbance set-back will be determined and imposed until the young-of-the year are no longer reliant upon the nest. The set-back or buffer shall be no less than 100 feet.	The proposed project footprint is within the limits of the existing home and developed area; therefore, it would not result in direct impacts to nesting bird species. There are trees and shrubs located within the ESHA that could be indirectly impacted by noise during construction. While this is considered to be unlikely, given the relatively low noise of typical home remodel construction work, the project will incorporate the pre-construction surveys identified in Policy 3.32, should work be conducted during the breeding season. If work is conducted outside of the breeding season then no surveys will be required.	The proposed project is consistent with this policy.			
3.51	New development shall be sited and designed to preserve oak, sycamore, alder, willow, toyon, or other native trees that are not otherwise protected as ESHA. Removal of native trees shall be prohibited except where no other feasible alternative exists. Structures, including roads or driveways, shall be sited to prevent any encroachment into the root zone and to provide an adequate buffer outside of the root zone of individual native trees in order to allow for future growth.	The proposed project is a remodel of an existing home and is not "New Development." Regardless, the 4 Nuttall's scrub oaks identified on the eastern portion of the site, within the mapped ESHA will be avoided and preserved on site.	The proposed project is consistent with this policy.			



BIOLOGICAL RESOURCES

Vegetation Communities

The portion of the parcel where the proposed project would occur is entirely developed (existing home). Outside of this developed area the site supports native Diegan coastal sage scrub habitat, eucalyptus woodland, and developed/disturbed area (Table 2; Figure 3). Each of these vegetation community/land cover types is described below.

Table 2 VEGETATION COMMUNITIES ON PARCEL			
Vegetation Communities	Habitat Group	Total (acre)	
Diegan coastal sage scrub-disturbed (32500)	С	0.03	
Eucalyptus Woodland (79100)	F	0.04	
Disturbed Habitat (11300)	F	0.14	
Developed (12000)	F	0.15	
	TOTAL	0.36	

Diegan Coastal Sage Scrub (disturbed)

Diegan coastal sage scrub occupies xeric sites with shallow soils and may be dominated by a variety of species depending upon soil type, slope, and aspect. The dominant species found within Diegan coastal sage scrub on site include laurel sumac (*Malosma laurina*) and lemonadeberry. Associated species include California sagebrush (*Artemisia californica*) and California buckwheat (*Eriogonum fasciculatum*). This habitat shows evidence of previous disturbance and also supports an evident component of non-native species such as ripgut brome (*Bromus diandrus*). Diegan coastal sage scrub is considered a sensitive vegetation community and is located within the City's mapped ESHA on site (Figure 3).

Eucalyptus Woodland

Eucalyptus woodland is dominated by eucalyptus (*Eucalyptus* spp.), an introduced genus that has been planted for wind blocking, ornamental, and hardwood production purposes. The understory is sparse and offers only limited wildlife habitat; however, as a wildlife habitat, these woodlands can provide nesting sites for raptors. Eucalyptus woodland is not a sensitive community and is located within the City's mapped ESHA on site (Figure 3).

Disturbed Habitat

Disturbed habitat includes land cleared of vegetation, land containing a preponderance of non-native plant species, or land showing signs of past or present usage that no longer provides viable wildlife habitat. Disturbed habitat on site is occurs on the slopes east of the developed area. Some of the non-native species present include Hottentot's fig (*Carpobrotus edulis*) and ripgut grass. Disturbed habitat is not a sensitive community and occurs both within and outside of the mapped ESHA on site (Figure 3).



Developed

Developed area includes buildings, structures, paved areas, and landscaping associated with the existing house to be remodeled. Developed area is not considered a sensitive biological resource. Developed area on site consists of the existing home and surrounding pavement/yard area as well as a concrete lined brow ditch located down the slope, within the mapped ESHA (Figure 3).

Sensitive Plant Species

A single sensitive plant species, Nuttall's scrub oak (*Quercus dumosa*), was found within the disturbed area in the far eastern portion of the site, approximately 140 feet away from the limits of the proposed project and within the City's mapped ESHA (Figure 3). This species has a California Native Plant Society (CNPS) rare plant rank of 1B.1 (seriously threatened in California); however, it is not State or Federal listed as Threatened or Endangered.

No other sensitive plant species were observed or are anticipated to occur within the project footprint as it is entirely developed and surrounded by development. A list of plant species observed on the parcel is included as Attachment B.

Sensitive Animal Species

No sensitive animal species were observed or are anticipated to occur as the project is entirely within the existing developed area. A list of animal species observed is included as Attachment C.

Nesting Birds

The federal Migratory Bird Treaty Act (MBTA), which restricts the killing, taking, collecting, selling, or purchasing of native bird species or their parts, nests, or eggs, also provides legal protection for almost all breeding bird species occurring in the United States. Additionally, the LCP/LUP addresses potential impacts to sensitive bird species which include species designated "threatened" or "endangered" by state or federal agencies, California Species of Special Concern, California Fully Protected Species, raptors, and large wading birds. The site supports numerous eucalyptus trees and shrubs with the potential to support nesting bird species within the ESHA.

Jurisdictional Features

During the visit the site was assessed for features that could be considered jurisdictional by the Corps, CDFW, RWQCB, and the CCCC. Features searched for included wetland vegetation, drainages, bed and bank, tidal evidence (rack lines), soils, and other features indicative of the presence of jurisdictional features. No jurisdictional or wetland/riparian features occur on site.

Tree Survey

No protected native tree species were detected within the project footprint. The 4 Nuttall's scrub oaks identified are within the ESHA (Figure 3), far from the footprint and would not be affected by the proposed project. As such, the project would not impact any protected native tree species.



PROJECT IMPACTS

For purposes of analysis, the actual additions to the home were considered to be permanent impacts and the remainder of the developed area was considered to be temporarily impacted by the remodeling effort. These temporary impacts would not expand beyond the developed portion of the parcel and would include activities such as materials preparation, equipment storage, and other ancillary tasks.

Environmentally Sensitive Habitat Area (ESHA)

As noted above, the project would entirely avoid the mapped ESHA located in the eastern portion of the site (Figure 3). In addition, the project would maintain the ESHA buffer from the existing home (66 feet) as well as the buffer between the home and the sensitive Diegan coastal sage scrub habitat on site (74 feet). Given this, along with the project's consistency with the applicable policies in the LCP/LUP (Table 1), there would be no impacts to the ESHA.

Vegetation Communities

For the impact analysis, the approximately 0.15 acre developed area where the existing house is located was considered to be impacted with 0.03 acre of permanent impacts (home remodel) and 0.11 acre of temporary impacts (ancillary construction related activities). The only sensitive habitat on site is the disturbed coastal sage scrub habitat that is located within the ESHA in the eastern portion of the site, well outside of the analyzed impact footprint. As such, the project would not impact any sensitive vegetation community.

Sensitive Plant Species

No sensitive plant species were observed within the project footprint and none are anticipated. The 4 Nuttall's scrub oaks are located downslope and approximately 140 feet away from the project limits (developed house area) within the avoided ESHA; therefore, impacts to sensitive plant species would not occur.

Sensitive Animal Species

No sensitive animal species were observed within the proposed project footprint and none are anticipated; therefore, impacts to sensitive animal species would not occur.

Jurisdictional Features

The project would not impact any area that would be considered jurisdictional by the Corps, CDFW, RWQCB, and CCC; therefore, no permits would be required.

Wildlife Corridors

The project would not impact the ESHA or any local or regional wildlife corridors; therefore, no permanent or temporary direct impacts to wildlife corridors would occur.



Nesting Birds

The project is a remodel of an existing home and would not result in the removal of vegetation (trees and shrubs) with the potential to support nesting birds if conducted during the avian breeding season (January 15 through August 31). As such, no direct impacts to nesting bird species would occur.

There are trees and shrubs located within the ESHA that could be used for nesting by MBTA and LCP/LUP protected and sensitive bird species. Should construction occur during the breeding season there is a potential for indirect noise impacts to nesting bird species. This is considered to unlikely, given the relatively low noise of typical home remodel construction work and the distance from the home to the ESHA.

Cumulative Impacts

The project is small and would only impact 0.15 acre (permanent and temporary) of the 0.36 acre parcel. Additionally, impacts are limited to already developed area and would not significantly impact sensitive biological resources; therefore, the project would not contribute to significant, cumulative, biological resource impacts.

MITIGATION MEASURES

The only potential impact to sensitive biological resources identified for the project is the potential for indirect noise to nesting birds, should construction occur during the breeding season. In order to ensure that this does not occur and to remain in compliance with the LCP/LUP, the project will incorporate the pre-construction survey measure identified in Policy 3.32, should construction occur during the breeding season (January 15 through August 31). Specifically, two weeks prior to any scheduled development, a qualified biological monitor shall conduct a pre-construction survey of the site and within 500 feet of the project site for active bird nests. In addition, surveys must be conducted every two weeks for sensitive nesting birds during the breeding season. If nesting sensitive birds are detected at any time during the breeding season, the CDFW shall be notified and an appropriate disturbance set-back will be determined and imposed until the young-of-the year are no longer reliant upon the nest. The set-back or buffer shall be no less than 100 feet. If no nests are detected then no additional measures will be required.



CONCLUSION

The proposed project area (single family home) is developed and surrounded by development. Impacts (permanent and temporary) are limited to the approximately 0.15 acre developed area where the existing home, yard area, and associated hardscape/landscaping occurs. All impacts would occur outside of the mapped ESHA and the existing ESHA buffers would be maintained. The project would not impact sensitive vegetation communities, sensitive plant or animal species, jurisdictional resources, protected tree species, or wildlife corridors. Additionally, the project would be in conformance with the goals, objectives, and policies of the Conservation and Open Space Element of the City's General Plan. Finally, the project would not result in any significant cumulative impact to biological resources.

The project does have a potential, but unlikely, indirect noise impact to nesting bird species should construction occur during the breeding season (January 15 through August 31). This potential impact would be reduced to less than significant through incorporation of the pre-construction survey requirement and active nest avoidance measures identified in Policy 3.32 of the LCP/LUP. Given that there are no other significant impacts to biological resources, no additional mitigation measures would be required.

Please contact me if you have any questions regarding this letter report.

Sincerely,

Greg Mason

Principal/Senior Biologist

Enclosures:

Figure 1 Regional Location

Figure 2 Project Location

Figure 3 Biological Resources

Attachment A Representative Photographs

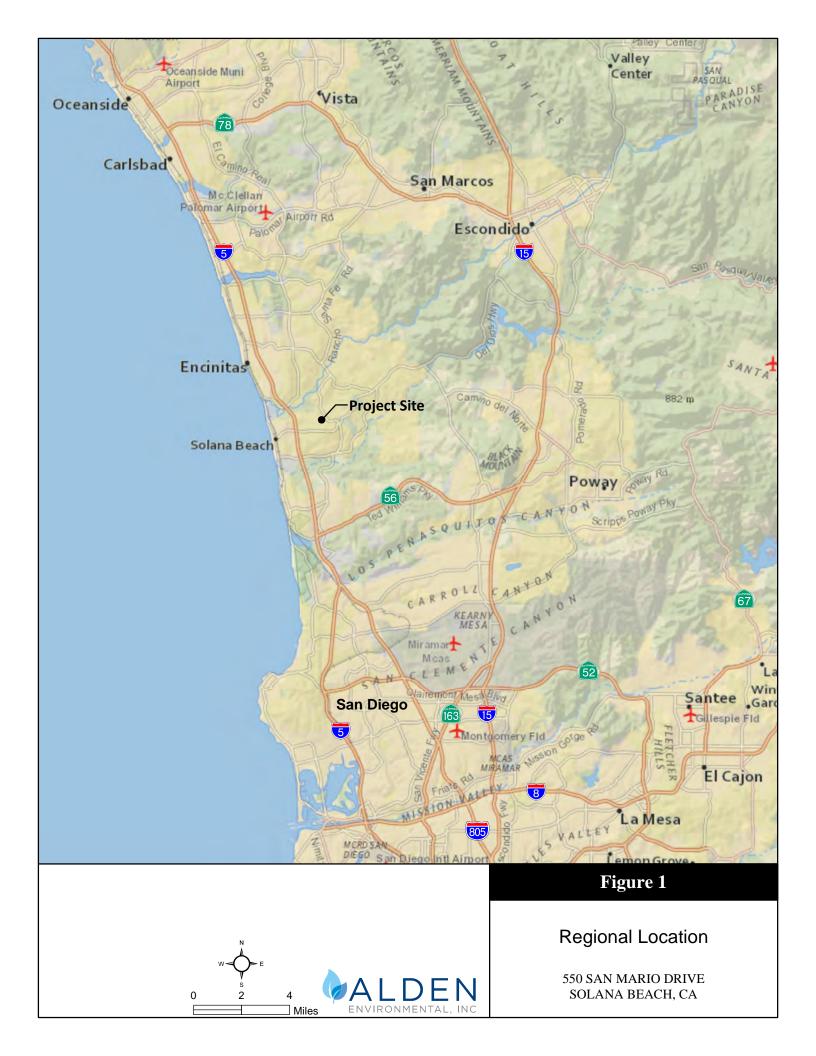
Attachment B Plant Species Observed

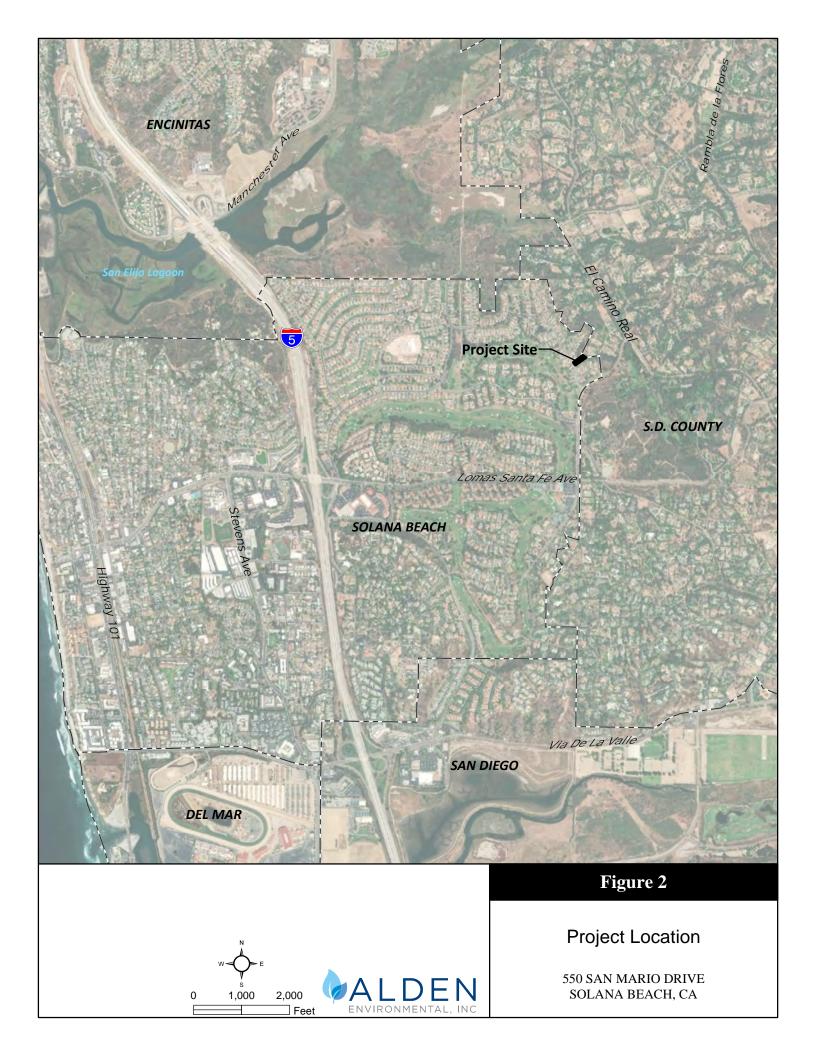
Attachment C Animal Species Observed

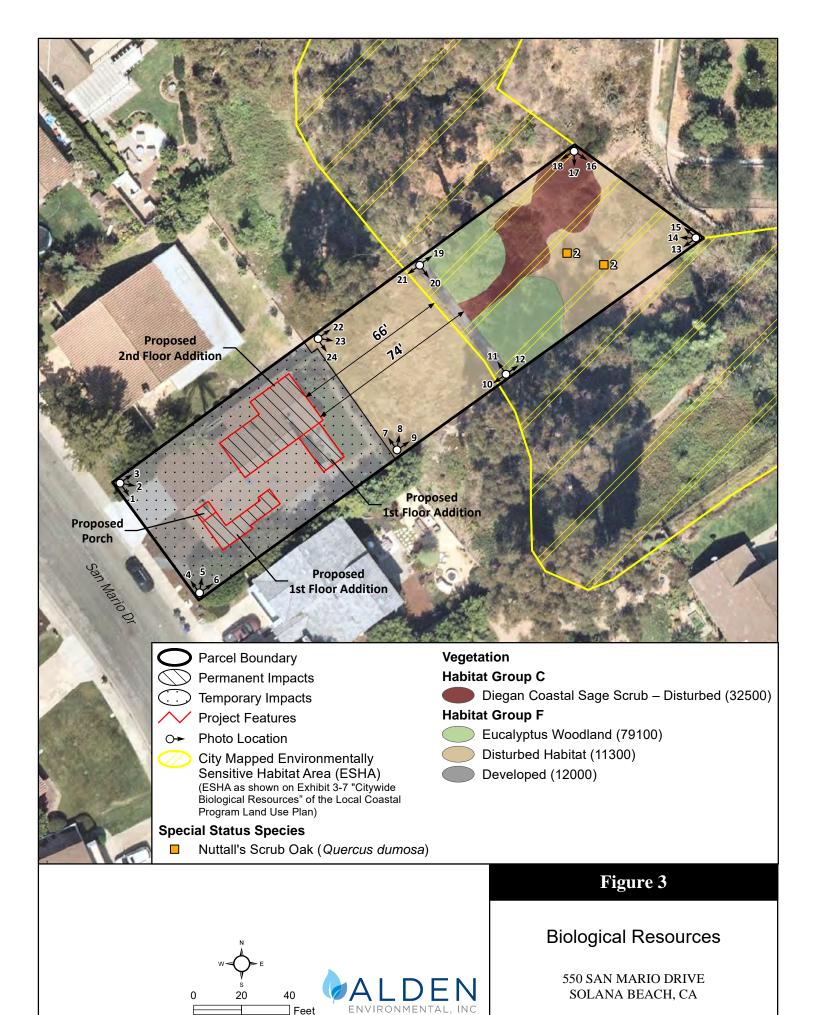


References:

- AMEC Earth & Environmental, Inc. and Conservation Biology Institute. 2003. Final Multiple Habitat Conservation Program. March. URL: http://www.sandag.org/?projectid=97&fuseaction=projects.detail
- Baldwin, B. G., et al. 2012. The Jepson Manual: Vascular Plants of California, Second Edition. University of California Press, Berkeley.
- Bowman, R. 1973. Soil Survey of the San Diego Area. USDA in cooperation with the USDI, UC Agricultural Experiment Station, Bureau of Indian Affairs, Department of the Navy, and the U.S. Marine Corps.
- Holland, R.F. 1986. Preliminary descriptions of the terrestrial natural communities of California. State of California, The Resources Agency. 156 pp.
- Oberbauer, T. 2008. Terrestrial vegetation communities in San Diego County based on Holland's Descriptions. San Diego Association of Governments, San Diego, California. 6 pp.







ATTACHMENT A REPRESENTATIVE PHOTOGRAPHS



Photo Point 1. 05/27/21



Photo Point 2. 05/27/21



Photo Point 3. 05/27/21



Photo Point 4. 05/27/21



Photo Point 5. 05/27/21



Photo Point 6. 05/27/21



Photo Point 7. 05/27/21



Photo Point 8. 05/27/21



Photo Point 9. 05/27/21



Photo Point 10. 05/27/21



Photo Point 11. 05/27/21



Photo Point 12. 05/27/21



Photo Point 13. 05/27/21



Photo Point 14. 05/27/21



Photo Point 15. 05/27/21



Photo Point 16. 05/27/21



Photo Point 17. 05/27/21



Photo Point 18. 05/27/21



Photo Point 19. 05/27/21



Photo Point 20. 05/27/21



Photo Point 21. 05/27/21



Photo Point 22. 05/27/21



Photo Point 23. 05/27/21



Photo Point 24. 05/27/21

ATTACHMENT B PLANT SPECIES OBSERVED

SCIENTIFIC NAME	COMMON NAME	VEGETATION ¹
Agavaceae – Agave Family <i>Agave americana</i> ²	Century plant	DH
Aizoaceae – Ice Plant Family Aptenia cordifolia ² Carpobrotus edulis ² Malephora crocea ² Mesembryanthemum crystallinum ²	red apple iceplant Hottentot's fig coppery mesembryanthemum crystalline iceplant	DH/DEV DH/DEV DH/DEV DH/DEV
Anacardiaceae – Sumac Family <i>Rhus integrifolia</i>	lemonadeberry	CSS-d
Aracaceae – Palm Family Washingtonia robusta ² Syagrus romanzoffiana ²	Mexican fan palm queen palm	DEV DEV
Asteraceae - Sunflower Family Artemisia californica Glebionis coronaria ² Hypochaeris glabra ²	California sagebrush garland daisy smooth cat's-ear	CSS-d DH DH
Brassicaceae – Mustard Family Brassica nigra ²	black mustard	DH/DEV
Cactaceae – Cactus Family Opuntia ficus-indica ² Opuntia littoralis	Barbary fig beavertail cactus	DH CSS-d
Crassulaceae – Stonecrop Family Crassula ovata ²	jade plant	DH/DEV
Cucurbitaceae – Gourd Family Marah macrocarpa	wild cucumber	CSS-d
Convolvulaceae – Morning Glory Family <i>Cuscuta californica</i>		
Fabaceae – Pea Family Acmispon glaber Melilotus indicus ²	deerweed Indian sweet clover	CSS-d DH

Fagaceae – Oak Family <i>Quercus dumosa</i> ³	Nuttall's scrub oak	DH
Geraniaceae – Geranium Family <i>Erodium botrys</i> ²	storksbill	DH
Grossulariaceae – Gooseberry Family Ribes speciosum	fuschia-flowered gooseberry	CSS-d
Lamiaceae – Mint Family Mentha sp. ² Salvia mellifera	mint black sage	DH/DEV CSS-d
Mimosaceae – Acacia Family <i>Acacia redolens</i> ²	prostrate acacia	DH
Myrtaceae – Myrtle Family <i>Eucalyptus</i> sp. ²	eucalyptus	EW
Myrsinaceae – Myrsine Family <i>Lysimachia arvensis</i> ²	scarlet pimpernel	DH
Orobanchaceae – Broomrape Family <i>Castilleja affinis</i>	Indian paintbrush	CSS-d
Pinaceae – Pine Family Pinus sp. ²	ornamental pine	DH/DEV
Poaceae – Grass Family Avena fatua ² Bromus diandrus ² Cynodon dactylon ² Cortaderia jubata ² Pennisetum setaceum ²	wild oats ripgut grass Bermuda grass Pampas grass fountain grass	DH DH/DEV DH/DEV DH DH/DEV
Polygonaceae – Buckwheat Family Eriogonum fasciculatum	California buckwheat	CSS-d
Primulaceae – Primrose Family <i>Anagallis arvensis</i> ²	scarlet pimpernel	DH/DEV
Rosaceae – Rose Family Heteromeles arbutifolia	toyon	CSS-d

Rutaceae – Lemon Family <i>Citrus limon</i> ²	lemon	DEV
Solanaceae – Nightshade Family <i>Nicotiana glauca</i> ²	tree tobacco	DH
Strelitziaceae – Bird of Paradise Family <i>Strelitzia reginae</i> ²	bird of paradise	DEV

Vegetation community acronyms: CSS-d = disturbed coastal sage scrub; DH = disturbed habitat; DEV = developed
 Non-native species
 Sensitive species

ATTACHMENT C ANIMAL SPECIES OBSERVED/DETECTED

SCIENTIFIC NAME

COMMON NAME

Invertebrates

Apis mellifera European honeybee

Reptiles

Sceloporus occidentalis western fence lizard

Birds

Calypte anna Anna's hummingbird

Carpodacus mexicanus house finch

Buteo jamaicensis red tailed hawk (flyover)

Melospiza melodia song sparrow

Mimus polyglottos northern mockingbird

Zenaida macroura mourning dove

Mammals

Sylvilagus audubonii Cottontail rabbit

Thomomys bottae San Diego pocket gopher



STAFF REPORT CITY OF SOLANA BEACH

TO: Honorable Mayor and City Councilmembers

FROM: Gregory Wade, City Manager

MEETING DATE: December 15, 2021
ORIGINATING DEPT: Engineering Department

SUBJECT: City Council Consideration of Resolution No. 2021-138 -

Approving Solana 101 Final Landscape Plan

BACKGROUND:

At the July 10, 2018 City Council Meeting, the City Council conditionally approved a tentative map for a condominium ownership of a maximum of 26 commercial units and one undivided multifamily residential unit for 25 rental apartments located at the north west corner of Highway 101 and Dahlia Drive (Solana 101 Project). This item was rescheduled for consideration from December 8, 2021 to December 15, 2021 due to an error in the plans that were originally submitted for consideration.

This item is presented to City Council to review and consider Resolution 2021-138 (Attachment 1) approving of the final landscape plan as conditioned by Resolutions 2018-098 and 2018-099.

DISCUSSION:

As outlined in Resolution 2018-099, the City Council approved the conceptual landscape plan and required submittal of the final landscape plan to City Council for review and approval. The Applicant has submitted the final landscape plans which are included as Attachment 2. The final landscape plans contain information related to the landscape buffer, mix of trees and landscape vegetation as conditioned in Resolution 2018-099. The City's landscape architect, Pamela Elliott, has reviewed the final landscape plans and determined that the plans conform to the City's water efficient landscape requirements. While the proposed landscape trees are different from the conceptual landscape plan previously reviewed by City Council, the Applicant has worked with the community to provide a variety of trees that are consistent with the existing tree species that currently exist along the Highway 101 and Sierra Avenue corridor.

CITY COUNCIL ACTION:	

The landscape plans that were routed for review by City Council on December 8, 2021 was an older version of the final landscape plan for on-site improvements. The applicant has since delivered an updated final landscape plan for on-site improvements. The changes between the plans were to trees, primarily on the northside of the property adjacent to the CVS site. The following is a bulleted outline of the difference in the final landscape plan:

- Sheet L-16
 - Northside of office from West to East
 - Three (3) Melaleuca (ML) changed to three (3) Magnolias 'Little Gem' (MG)
 - One (1) Catalina Ironwood (LF) changed to two (2) Melaleucas (ML)
 - One (1) Weeping Bottlebrush (CV) changed to two (2) Melaleucas (ML)
 - One (1) Catalina Ironwood (LF) changed to two (2) Melaleucas (ML)
 - Westside of office North most tree
 - One (1) Melaleuca (ML) changed to one (1) Banksia (BI)
- Sheet L-17
 - Northside of office from West to East
 - Two (2) Weeping Bottlebrush (CV) change to four (4) Shoestring Acacia (AS)
 - Eastside of retail (Hwy 101) from North to South
 - NO CHANGE
- Sheet L-18
 - Westside of Residential Southwest Corner
 - Two (2) New Zealand Christmas Multi-Trunk (MM) changed to two
 (2) Banksia (BI)
 - o Southside of Residential (Dahlia) from West to East
 - NO CHANGE
- Sheet L-19
 - Southside of Residential (Dahlia) from West to East
 - NO CHANGE
 - o Eastside of retail (Hwy 101) from North to South
 - NO CHANGE

If the City Council determines that the final landscape plan is consistent with the conditions of approval in Resolution 2018-099, adoption of Resolution 2021-138 would allow the Applicant to proceed with issuance of building permits for the approved project.

CEQA COMPLIANCE STATEMENT:

At the July 10, 2018 City Council Meeting, the City Council adopted and certified the Final Environmental Impact Report (FEIR) and the Mitigation Monitoring and Reporting Program prepared for the project in compliance with CEQA. The final landscape plan is

consistent with the project approvals and environmental analysis conducted as part of the FEIR, therefore, no further environmental analysis is required.

FISCAL IMPACT:

There is no fiscal impact as a result of the action recommended in this Staff Report.

WORK PLAN:

N/A

OPTIONS:

- Adopt Staff recommendation approving the final landscape plan by adopting Resolution 2021-138.
- Adopt Staff recommendation subject to additional specific conditions.
- Provide direction to Staff.

DEPARTMENT RECOMMENDATION:

Staff recommends that the City Council adopt Resolution 2021-138 approving the final landscape plan for the Solana 101 Project.

CITY MANAGER'S RECOMMENDATION:

Approve Department Recommendation.

Gregory Wade, City Manager

Attachments:

- 1. Resolution 2021-138
- 2. Final Landscape Plan

RESOLUTION 2021-138

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOLANA BEACH, CALIFORNIA, APPROVING THE SOLANA 101 FINAL LANDSCAPE PLAN

WHEREAS, at the July 10, 2018 City Council Meeting, the City Council conditionally approved a tentative map for condominium ownership of a maximum of 26 commercial units and one undivided multifamily residential unit for 25 rental apartments located at the northwest corner of Highway 101 and Dahlia Drive (Solana 101 Project); and

WHEREAS, the final landscape plan was prepared in conformance with the Resolution No 2018-099; and

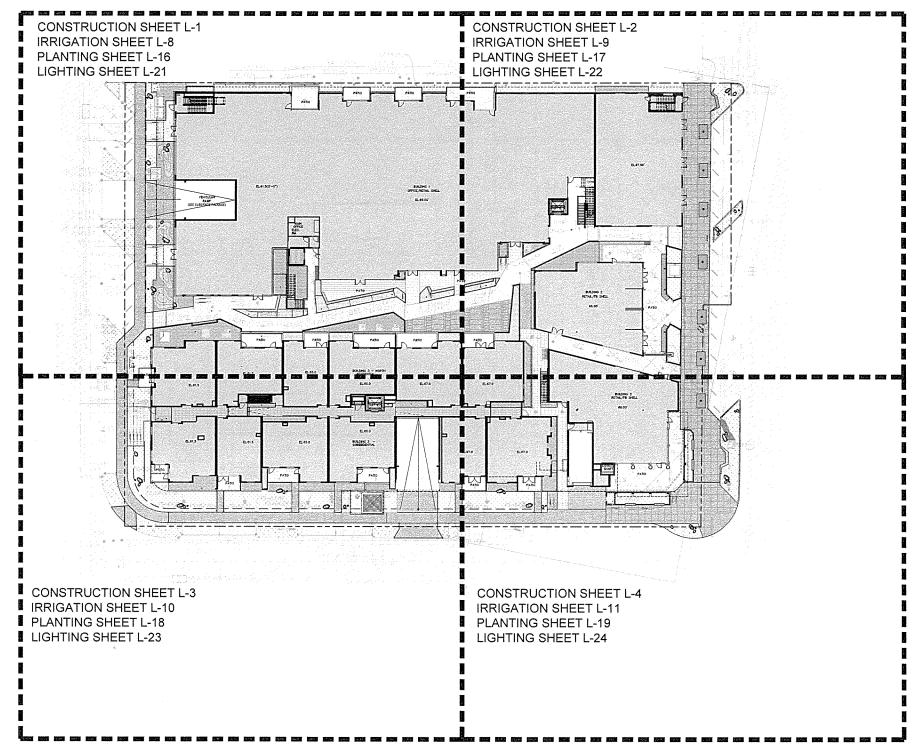
WHEREAS, a condition of Resolution No. 2018-099 required that the City Council shall review and approve the final landscape plan.

NOW, THEREFORE, the City Council of the City of Solana Beach does resolve as follows:

- 1. That the foregoing recitations are true and correct.
- 2. That the proposed final landscape plan is consistent with the conditions of Resolution 2018-099.
- 3. That the City Council approves the Solana 101 Project final landscape plan.

PASSED AND ADOPTED this 15th day of December, 2021, at a regularly scheduled meeting of the City Council of the City of Solana Beach, California by the following vote:

AYES: Councilmembers – NOES: Councilmembers – ABSTAIN: Councilmembers – ABSENT: Councilmembers –	
	LESA HEEBNER, Mayor
APPROVED AS TO FORM:	ATTEST:
IOHANNA N. CANLAS. City Attorney	ANGELA IVEY City Clerk



KEYMAP FOR SHEET LAYOUT REFERENCE ONLY



ZEPHYR

Gensler

225 Broadway Suite 1600 San Diego, CA 92101 United States



2019 05 31 SUBTERRANEAN BLDG PERMI

2019 07-26 SUBTERRANEAN BLDG PERMIT

2019 08 29 BALANCE OF WORK PERMIT-CITY SUBMITTAL 1 2019 12 20 SUBTERRANEAN BUILDING PERMIT

2020 3 25 BALANCE OF WORK PERMIT -SUBMITTAL 2 2020 3 30 ADDENDUM PE - BALANCE OF WORK 2020 12 17 BALANCE OF WORK - SUB

3 2021 5 21 IFC 2021 6 11 IFC / DELTA 10 2021 8 23 BULLETIN 1

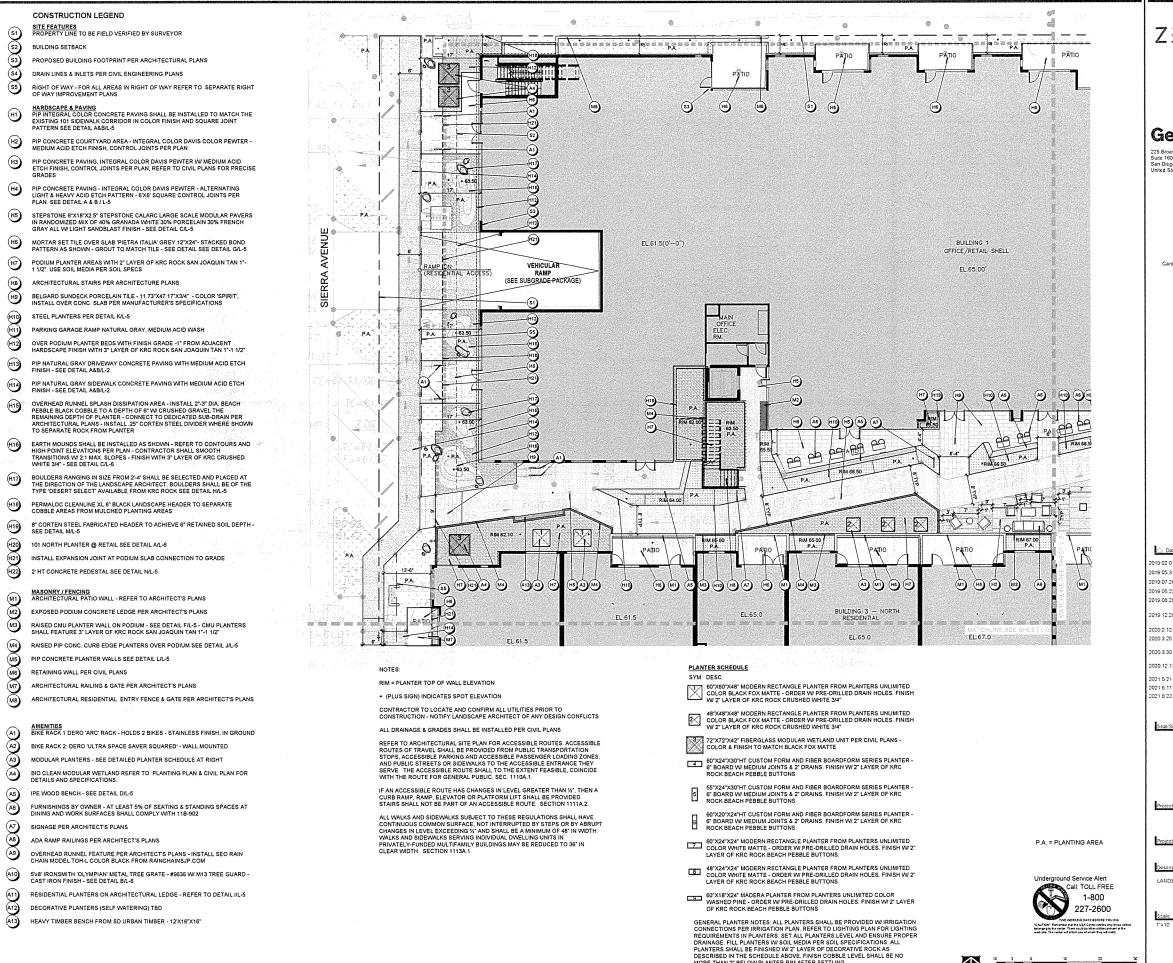


16-036

LANDSCAPE SHEET INDEX

L-0

ATTACHMENT 2



ZEPHYR

Gensler

225 Broadway Suite 1600 San Diego, CA 92101 United States



019 02:01 100% SCHEMATIC PACKAGE 2010 05 31 SHRTERRANEAN BLOG PERMIT 2019 07:26 SUBTERRANEAN BLDG PERMIT

2019.08.23 GMP ISSUE 2019.08.29 BALANCE OF WORK PERMIT -CITY SUBMITTAL 1

2019.12.20 SUBTERRANEAN BUILDING PERMIT

020.2.12 PLANNING & FIRE CHECK 2020.3.25 BALANCE OF WORK PERMIT

2020.3.30 ADDENDUM PE - BALANCE OF 2020.12.17 BALANCE OF WORK - SUBMIT

2021.5.21 IFC 2021.6.11 IFC / DELTA 10

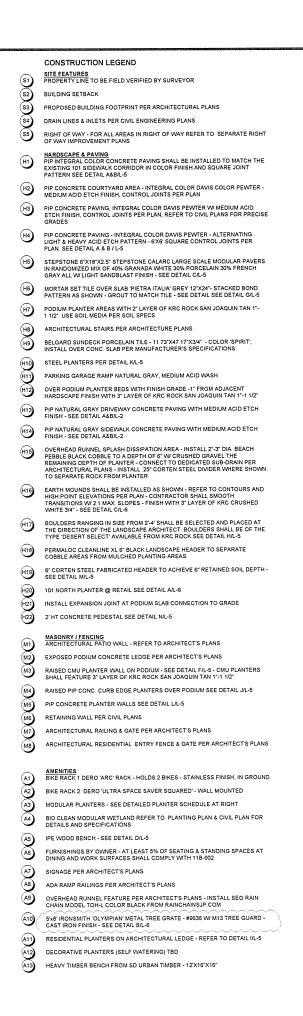
2021.8 23 BULLETIN 1

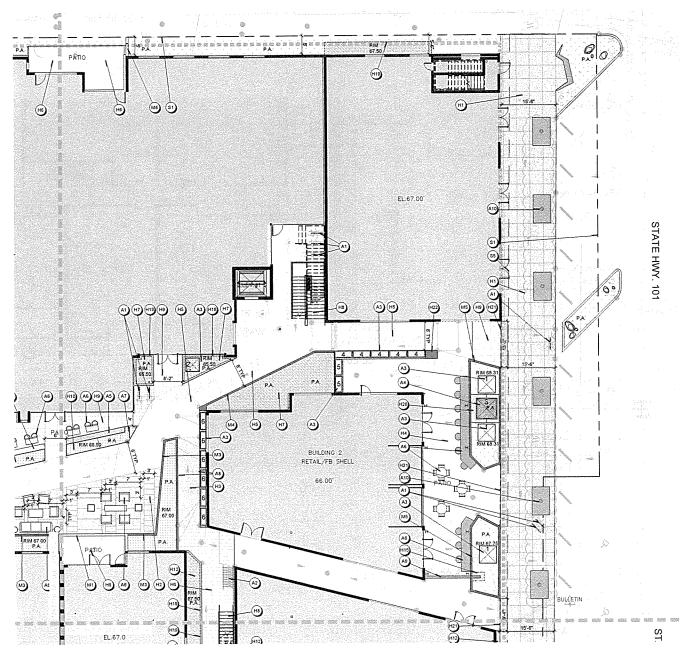


Solana 101

16-036

LANDSCAPE CONSTRUCTION PLAN





NOTES

RIM = PLANTER TOP OF WALL ELEVATION

+ (PLUS SIGN) INDICATES SPOT ELEVATION

CONTRACTOR TO LOCATE AND CONFIRM ALL UTILITIES PRIOR TO CONSTRUCTION - NOTIFY LANDSCAPE ARCHITECT OF ANY DESIGN CONFLICTS

ALL DRAINAGE & GRADES SHALL BE INSTALLED PER CIVIL PLANS

REFER TO ARCHITECTURAL SITE PLAN FOR ACCESSIBLE ROUTES. ACCESSIBLE ROUTES OF TRAVEL SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARSENGER LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE ENTRANCE THEY SERVE. THE ACCESSIBLE ROUTE SHALL TO THE EXTENT FEASIBLE, COINCIDE WITH THE ROUTE FOR GENERAL PUBLIC SEC 1110A 1.

IF AN ACCESSIBLE ROUTE HAS CHANGES IN LEVEL GREATER THAN 3', THEN A CURB RAMP, RAMP, ELEVATOR OR PLATFORM LIFT SHALL BE PROVIDED. STAIRS SHALL NOT BE PART OF AN ACCESSIBLE ROUTE. SECTION 1111A.2.

ALL WALKS AND SIDEWALKS SUBJECT TO THESE REGULATIONS SHALL HAVE CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING Y: AND SHALL BE A MINIMUM OF 48' IN WOTH WALKS AND SIDEWALKS SERVING INDIVIDUAL DWELLING UNITS IN PRIVATELY-PUNDED MULTIFAMILY BUILDINGS MAY BE REDUCED TO 35' IN CLEAR WIDTH SECTION 1113A. 1.

PLANTER SCHEDULE

SYM. DESC.

60%60"X48" MODERN RECTANGLE PLANTER FROM PLANTERS UNLIMITED COLOR BLACK FOX MATTE - ORDER WI PRE-DRILLED DRAIN HOLES. FINISH W 2" LAYER OF KRC ROCK CRUSHED WHITE 3/4"

48"X48"X48" MODERN RECTANGLE PLANTER FROM PLANTERS UNLIMITED COLOR BLACK FOX MATTE - ORDER WIPRE-DRILLED DRAIN HOLES FINISH W 2" LAYER OF KRC ROCK CRUSHED WHITE 3/4"

72"X72"X42" FIBERGLASS MODULAR WETLAND UNIT PER CIVIL PLANS COLOR & FINISH TO MATCH BLACK FOX MATTE.

60"X24"X30"HT CUSTOM FORM AND FIBER BOARDFORM SERIES PLANTER
6" BOARD W MEDIUM JOINTS & 2" DRAINS, FINISH W/ 2" LAYER OF KRC
ROCK BEACH PEBBLE BUTTONS

55"X24"X30"HT CUSTOM FORM AND FIBER BOARDFORM SERIES PLANTER 6" BOARD W/ MEDIUM JOINTS & 2" DRAINS. FINISH W/ 2" LAYER OF KRC ROCK BEACH PEBBLE BUTTONS

60"X20"X24"HT CUSTOM FORM AND FIBER BOARDFORM SERIES PLANTER - 6" BOARD W MEDIUM JOINTS & 2" DRAINS, FINISH W/2" LAYER OF KRC ROCK BEACH PEBBLE BUTTONS

G0"X24"X24" MODERN RECTANGLE PLANTER FROM PLANTERS UNLIMITED COLOR WHITE MATTE - ORDER WY PRE-DRILLED DRAIN HOLES. FINISH W 2" LAYER OF KRC ROCK BEACH PEBBLE BUTTONS.

48'X24'X24' MODERN RECTANGLE PLANTER FROM PLANTERS UNLIMITED COLOR WHITE MATTE - ORDER W PRE-DRILLED DRAIN HOLES FINISH W 2' LAYER OF KRC ROCK BEACH PEBBLE BUTTONS

GO'X18'X24" MADERA PLANTER FROM PLANTERS UNLIMITED COLOR WASHED PINE - ORDER WY PRE-DRILLED DRAIN HOLES. FINISH WI 2" LAYER OF KRC ROCK BEACH PEBBLE BUTTONS

GENERAL PLANTER NOTES: ALL PLANTERS SHALL BE PROVIDED WY IRRIGATION CONNECTIONS PER IRRIGATION PLAN REFER TO LIGHTING PLAN FOR LIGHTINGS PLANTERS SHALL BE PROVIDED WY IRRIGATION PLANTERS SHALL BE PROVIDED WY IRRIGATION PLANTERS WAS AND ADMINISTRATION OF THE PROVIDED WY IRRIGATION PLANTERS WAS AND ADMINISTRATION OF THE PROPERTY AND ENSURE BEDRIED.

GENERAL PLANTER NOTES: ALL PLANTERS SHALL BE PROVIDED WITHRIGHTING CONNECTIONS PER IRRIGATION PLAN REFER TO LIGHTING PLAN FOR HIGHTING REQUIREMENTS IN PLANTERS SET ALL PLANTERS LEVEL AND ENSURE PROPER DRAINAGE FILL PLANTERS W SOIL MEDIO PER SOIL SECIPICATIONS. ALL PLANTERS SHALL BE FINISHED W? LAYER OF DECORATIVE ROCK AS DESCRIBED IN THE SCHEDULE ABOVE FINISH COBBLE LEVEL SHALL BE NO MORE THAN ? BELOW PLANTER RIM AFTER SETTLING



ZEPHYR

Gensler

225 Broadway Tel 619 557,250 Suite 1600 Fax 619 557 250 San Diego, CA 92101 United States



rson Douglas Landscape Architecto 4407 Orchard Ave San Diego. CA 92107 619 995 1306 cd-la com

5 Date Description

2019 02 01 100% SCHEMATIC PACKAGE 2019 05 31 SUBTERRANEAN BLDG PERMI

2019 07 26 SUBTERNANCAN BI 2019 08 23 GMP ISSUE

2019 08 29 BALANCE OF WORK PERMIT CITY SUBMITTAL 1

2019 12 20 SUBTERRANEAN BUILDING PERMIT
2020 2.12 PLANNING & FIRE CHECK

2020 3 25 BALANCE OF WORK PERMIT -SUBMITTAL 2 2020 3 30 ADDENDUM PE - BALANCE OF

WORK 2020 12 17 BALANCE OF WORK - SUBMIT 3

2021 5 21 FC 2021 6 11 FC / DELTA 10

.



Solana 101

Project Number

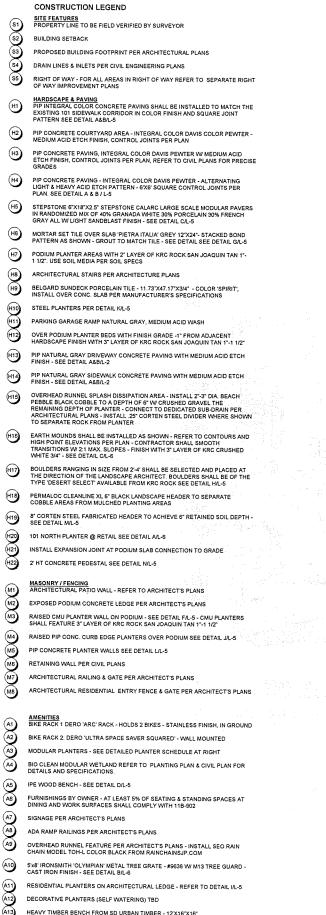
10-000

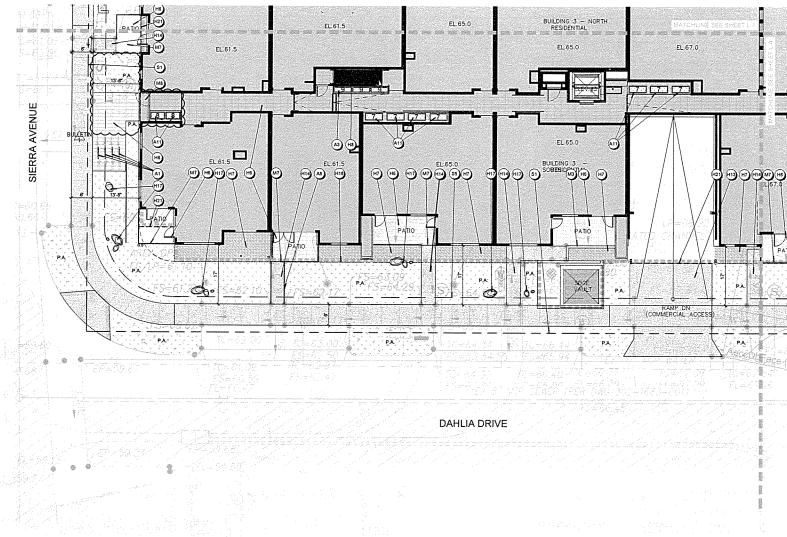
LANDSCAPE CONSTRUCTION PLAN

Scale

1-2







NOTES:

RIM = PLANTER TOP OF WALL ELEVATION

+ (PLUS SIGN) INDICATES SPOT ELEVATION

CONTRACTOR TO LOCATE AND CONFIRM ALL UTILITIES PRIOR TO CONSTRUCTION - NOTIFY LANDSCAPE ARCHITECT OF ANY DESIGN CONFLICTS

ALL DRAINAGE & GRADES SHALL BE INSTALLED PER CIVIL PLANS

REFER TO ARCHITECTURAL SITE PLAN FOR ACCESSIBLE ROUTES, ACCESSIBLE REFER TO ARCHITECTURAL SITE PLAN FOR ACCESSIBLE WOULES ACCESSIBLE AND REAVEL SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING AND ACCESSIBLE PASSENGER IC ADDING ZONES, AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE ENTRANCE THEY SERVE. THE ACCESSIBLE ROUTE SHALL TO THE EXTENT FEASIBLE, COINCIDE WITH THE ROUTE FOR GENERAL PUBLIC. SEC 1110A.1

IF AN ACCESSIBLE ROUTE HAS CHANGES IN LEVEL GREATER THAN ½", THEN A CURB RAMP, RAMP, ELEVATOR OR PLATFORM LIFT SHALL BE PROVIDED. STAIRS SHALL NOT BE PART OF AN ACCESSIBLE ROUTE. SECTION 1111A.2.

ALL WALKS AND SIDEWALKS SUBJECT TO THESE REGULATIONS SHALL HAVE ALL VALKS AND SIEVALES SUBJECT TO THESE REGULATIONS SHALL HAVE CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEDING IX' AND SHALL BE A MINIMUM OF 48' IN WIDTH WALKS AND SIDEWALKS SERVING INDIVIDUAL DWELLING UNITS IN PRIVATELY-FUNDED MULTIFAMILY BUILDINGS MAY BE REDUCED TO 36' IN CLEAR MUDTH. SECTION 1113A.1.

PLANTER SCHEDULE

COLOR BLACK FOX MATTE - ORDER W PRE-DRILLED DRAIN HOLES. FINISH W 2" LAYER OF KRC ROCK CRUSHED WHITE 3/4"

48"X48"X48" MODERN RECTANGLE PLANTER FROM PLANTERS UNLIMITED COLOR BLACK FOX MATTE - ORDER W/ PRE-DRILLED DRAIN HOLES. FINISH W/ 2" LAYER OF KRC ROCK CRUSHED WHITE 3/4"

72"X72"X42" FIBERGLASS MODULAR WETLAND UNIT PER CIVIL PLANS COLOR & FINISH TO MATCH BLACK FOX MATTE.

60"X24"X30"HT CUSTOM FORM AND FIBER BOARDFORM SERIES PLANTER - 6" BOARD WI MEDIUM JOINTS & 2" DRAINS. FINISH WI 2" LAYER OF KRC ROCK BEACH PEBBLE BUTTONS

60"X24"X24" MODERN RECTANGLE PLANTER FROM PLANTERS UNLIMITED COLOR WHITE MATTE - ORDER WI PRE-DRILLED DRAIN HOLES. FINISH WI 2 LAYER OF KRC ROCK BEACH PEBBLE BUTTONS.

60"X18"X24" MADERA PLANTER FROM PLANTERS UNLIMITED COLOR WASHED PINE - ORDER W PRE-DRILLED DRAIN HOLES. FINISH W 2" LAYER OF KRC ROCK BEACH PEBBLE BUTTONS.

GENERAL PLANTER NOTES: ALL PLANTERS SHALL BE PROVIDED WIRRIGATION CONNECTIONS PER IRRIGATION PLAN. REFER TO LIGHTING PLAN FOR LIGHTING REGUIREMENTS IN PLANTERS. SET ALL PLANTERS LEVEL AND ENSURE PROPER DRAINAGE. FILL PLANTERS W'S OIL MEDIA PER SOIL SECIFICATIONS. ALL PLANTERS SHALL BE FINISHED W'Z' LAYER OF DECORATIVE ROCK AS DESCRIBED IN THE SCHEDULE ABOVE. FINISH COBBLE LEVEL SHALL BE NO MORE THAN 2" BELOW PLANTER RIM AFTER SETTLING.

SYM. DESC.

55"X24"X30"HT CUSTOM FORM AND FIBER BOARDFORM SERIES PLANTER - 6" BOARD WI MEDIUM JOINTS & 2" DRAINS. FINISH WI 2" LAYER OF KRC ROCK BEACH PEBBLE BUTTONS

60°X20°X24"HT CUSTOM FORM AND FIBER BOARDFORM SERIES PLANTER - 6" BOARD WI MEDIUM JOINTS & 2" DRAINS, FINISH WI 2" LAYER OF KRC ROCK BEACH PEBBLE BUTTONS

48"X24"X24" MODERN RECTANGLE PLANTER FROM PLANTERS UNLIMITED COLOR WHITE MATTE - ORDER WI PRE-DRILLED DRAIN HOLES. FINISH WI 2" LAYER OF KRC ROCK BEACH PEBBLE BUTTONS.





ZEPHYR

Gensler

Suite 1600 San Diego, CA 92101 United States



019.02.01 100% SCHEMATIC PACKAGE 019.05.31 SUBTERRANEAN BLDG PERMIT

2019.07.26 " SUBTERRANEAN BLDG PERMIT 2019.08.23 GMP ISSUE

2019-08-29 BALANCE OF WORK PERMIT CITY SUBMITTAL 1

2019 12:20 SUBTERRANEAN BUILDING PERMIT

020.2.12 PLANNING & FIRE CHECK

020.3 25 BALANCE OF WORK PERMIT SUBMITTAL 2

020.3.30 ADDENDUM PE - BALANCE OF

1020 12:17 BALANCE OF WORK - SUBMITT

1021.5.21 IFC

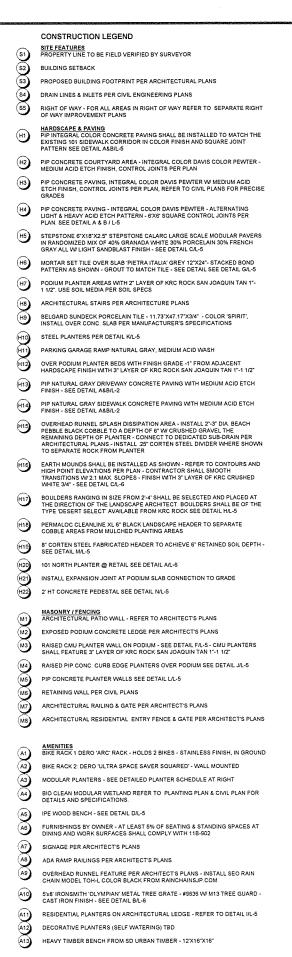
021.6.11 IFC / DELTA 10

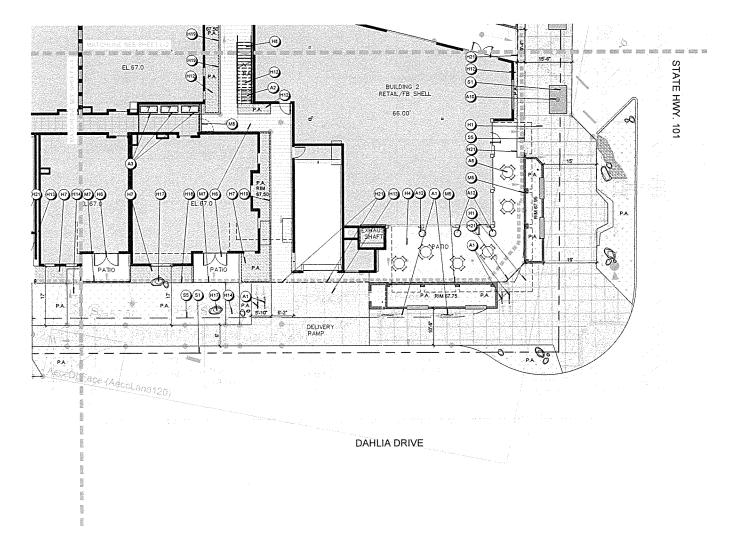
021.8 23 BULLETIN 1



16-036

LANDSCAPE CONSTRUCTION PLAN





NOTES

RIM = PLANTER TOP OF WALL ELEVATION

+ (PLUS SIGN) INDICATES SPOT ELEVATION

CONTRACTOR TO LOCATE AND CONFIRM ALL UTILITIES PRIOR TO CONSTRUCTION - NOTIFY LANDSCAPE ARCHITECT OF ANY DESIGN CONFLICTS

ALL DRAINAGE & GRADES SHALL BE INSTALLED PER CIVIL PLANS

REFER TO ARCHITECTURAL SITE PLAN FOR ACCESSIBLE ROUTES ACCESSIBLE ROUTES OF TRAVEL SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PASSESIBLE PASSENGER LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE ENTRANCE THEY SERVE. THE ACCESSIBLE ROUTE SHALL TO THE EXTENT FEASIBLE, COINCIDE WITH THE ROUTE FOR GENERAL PUBLIC. SEC. 1110A.1.

IF AN ACCESSIBLE ROUTE HAS CHANGES IN LEVEL GREATER THAN 3/1. THEN A STAIRS SHALL NOT BE PART OF AN ACCESSIBLE ROUTE. SECTION 1111A.2.

ALL WALKS AND SIDEWALKS SUBJECT TO THESE REGULATIONS SHALL HAVE CONTINUOUS COMMON SURFACE. NOT INTERRUPTED BY STEPS OR BY ASRUPT CHANGES IN LEVEL EXCEEDING 3.º AND SHALL BE A MINIMUM OF 48° IN WIDTH WALKS AND SIDEWALKS SERVING INDIVIDUAL DWELLING UNITS IN PRIVATELY-PUNDED MULTIFAMILY BUILDINGS MAY BE REDUCED TO 35° IN CLEAR WIDTH. SECTION 1113A.1

PLANTER SCHEDULE

SYM. DESC.

60'X60"X48" MODERN RECTANGLE PLANTER FROM PLANTERS UNLIMITED
COLOR BLACK FOX MATTE - ORDER WI PRE-DRILLED DRAIN HOLES. FINISH
W/2" LAYER OF KRC ROCK CRUSHED WHITE 34"

48"X48"X48" MODERN RECTANGLE PLANTER FROM PLANTERS UNLIMITED COLOR BLACK FOX MATTE - ORDER WY PRE-DRILLED DRAIN HOLES FINISH W/2" LAYER OF KRC ROCK CRUSHED WHITE 3/4"

 55° X24°X30°HT CUSTOM FORM AND FIBER BOARDFORM SERIES PLANTER - 6° BOARD W MEDIUM JOINTS & 2° DRAINS. FINISH W/ 2° LAYER OF KRC ROCK BEACH PEBBLE BUTTONS

60°X20°X24°HT CUSTOM FORM AND FIBER BOARDFORM SERIES PLANTER - 6° BOARD WI MEDIUM JOINTS & 2° DRAINS. FINISH WI 2° LAYER OF KRC ROCK BEACH PEBBLE BUTTONS

C7.30°X24°X24" MODERN RECTANGLE PLANTER FROM PLANTERS UNLIMITED COLOR WHITE MATTE - ORDER W PRE-DRILLED DRAIN HOLES. FINISH W 2' LAYER OF KRC ROCK BEACH PEBBLE BUTTONS.

48"X24"X24" MODERN RECTANGLE PLANTER FROM PLANTERS UNLIMITED COLOR WHITE MATTE - ORDER WI PRE-DRILLED DRAIN HOLES. FINISH WI 2" LAYER OF KRC ROCK BEACH PEBBLE BUTTONS.

72"X72"X42" FIBERGLASS MODULAR WETLAND UNIT PER CIVIL PLANS COLOR & FINISH TO MATCH BLACK FOX MATTE.

60"X24"X30"HT CUSTOM FORM AND FIBER BOARDFORM SERIES PLANTER - 6" BOARD W/ MEDIUM JOINTS & 2" DRAINS. FINISH W/2" LAYER OF KRC ROCK BEACH PEBBLE BUTTONS

60"X18"X24" MADERA PLANTER FROM PLANTERS UNLIMITED COLOR
WASHED PINE - ORDER W/ PRE-DRILLED DRAIN HOLES FINISH W/ 2" LAYER
OF KRC ROCK BEACH PEBBLE BUTTONS.

GENERAL PLANTER NOTES ALL PLANTERS SHALL BE PROVIDED WIRRIGATION CONNECTIONS PER IRRIGATION PLAN REFER TO LIGHTING PLAN FOR LIGHTING REQUIREMENTS IN PLANTERS SET ALL PLANTERS LEVEL, AND ENSURE PROPER DRAINAGE FILL PLANTERS SHALL PLANTERS SHALL PROPER PROPER PLANTERS SHALL BE FINISHED WY Z' LAVER OF DECORATIVE ROCK AS DESCRIBED IN THE SCHEDULE ABOVE. FINISH COBBLE LEVEL SHALL BE NO MORE THAN 2" BELOW PLANTER RIM AFTER SETTLING

ZEPHYR

Gensler

Suite 1600 San Diego, CA 92101



100% SCHEMATIC PACKAGE

019 05 31 SUBTERRANEAN BLDG PERMI 019 07 26 SUBTERRANEAN BLDG PERMI 019 06 23 GMP ISSUE

2019 08 29 BALANCE OF WORK PERMIT CITY SUBMITTAL 1 019 12 20 SUBTERRANEAN BUILDING PERMIT

020 2 12 PLANNING & FIRE CHECK 2020 3 25 BALANCE OF WORK PERMIT -SUBMITTAL 2

2020 3 30 ADDENDUM PE - BALANCE OF 2020 12 17 BALANCE OF WORK - SUBMI

2021 5.21 IFG 2021 6 11 FG / DELTA 10



Solana 101

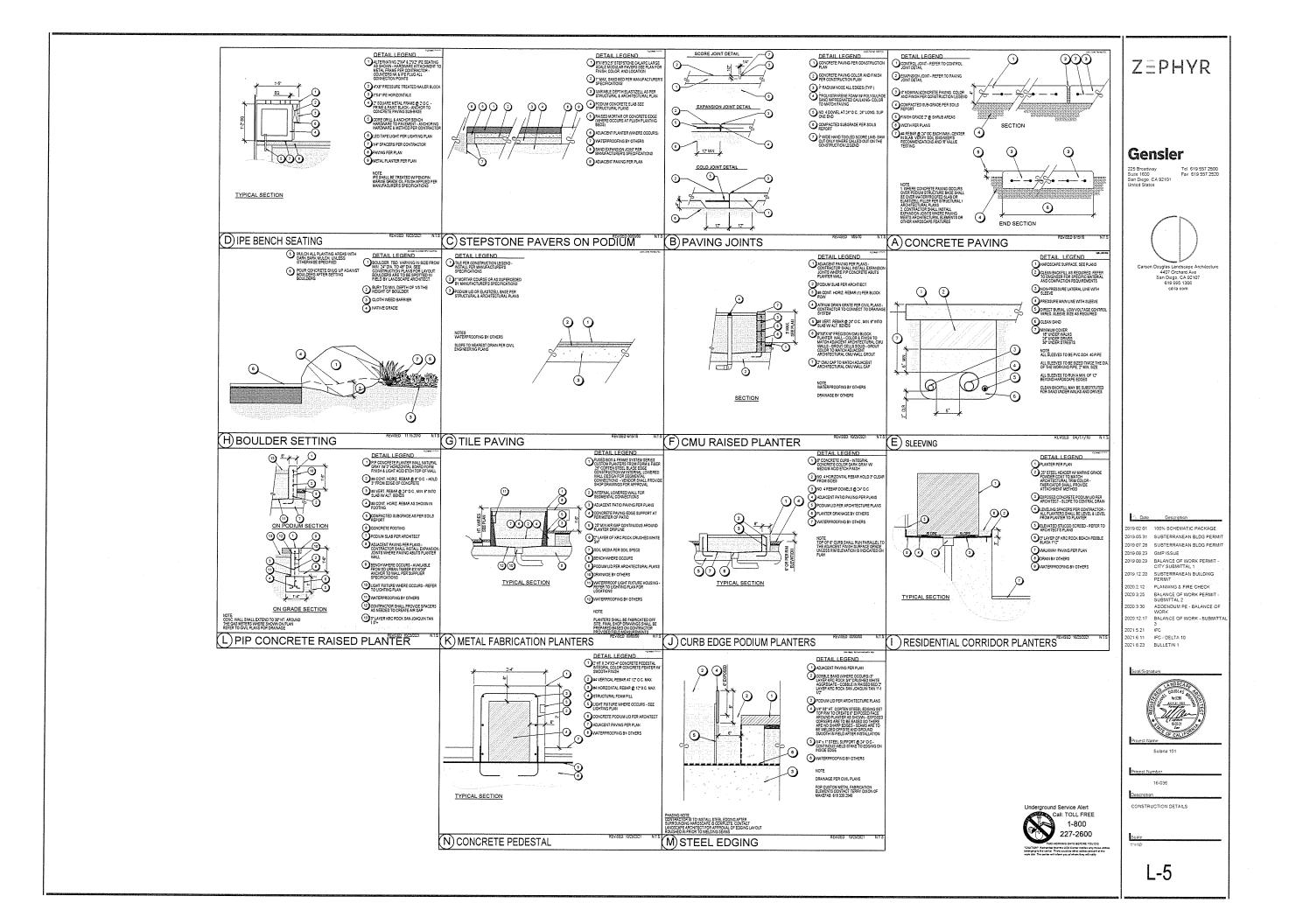
16-036

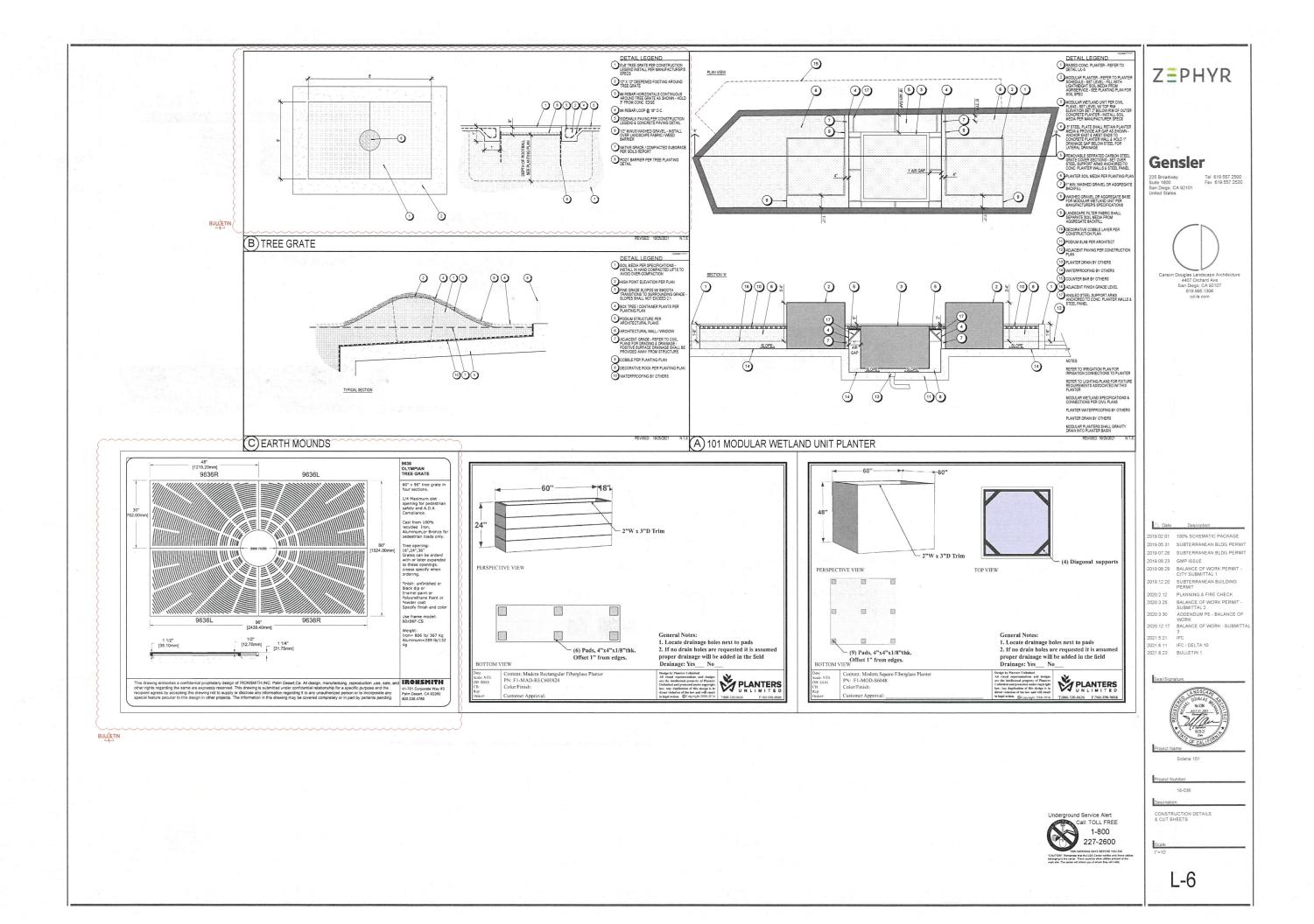
LANDSCAPE CONSTRUCTION PLAN

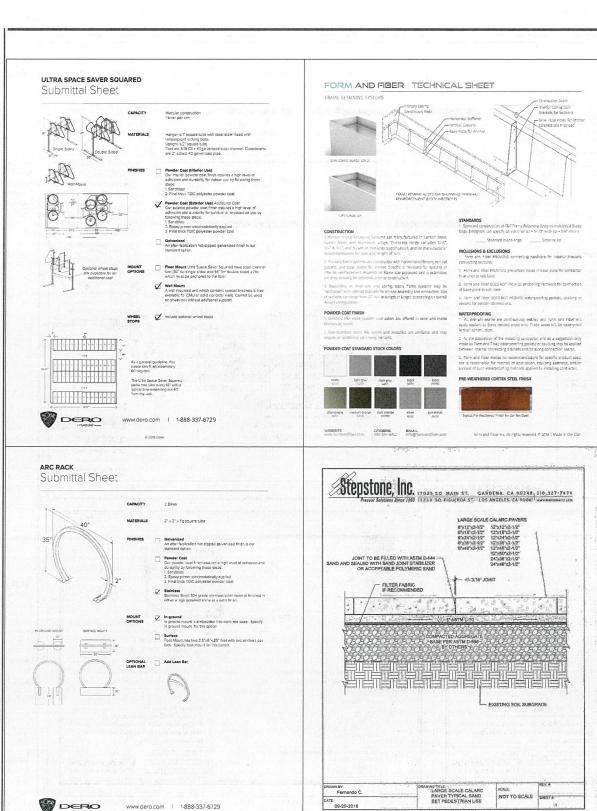


Call: TOLL FREE

227-2600

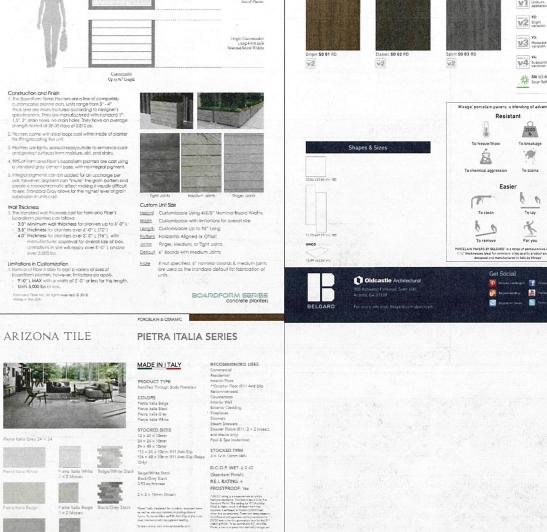






09-20-2016

www.dero.com | 1-888-337-6729



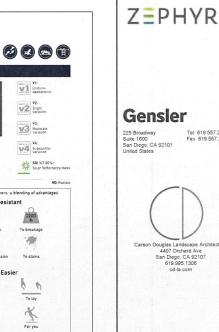
Sundeck

WOOD FINISH

WESSITE ORDERS EMAL www.formandfiber.com

FORM AND FIBER contract outdoor accessories

0 9





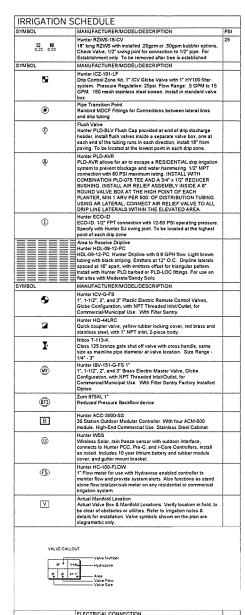
Solana 101

16-036

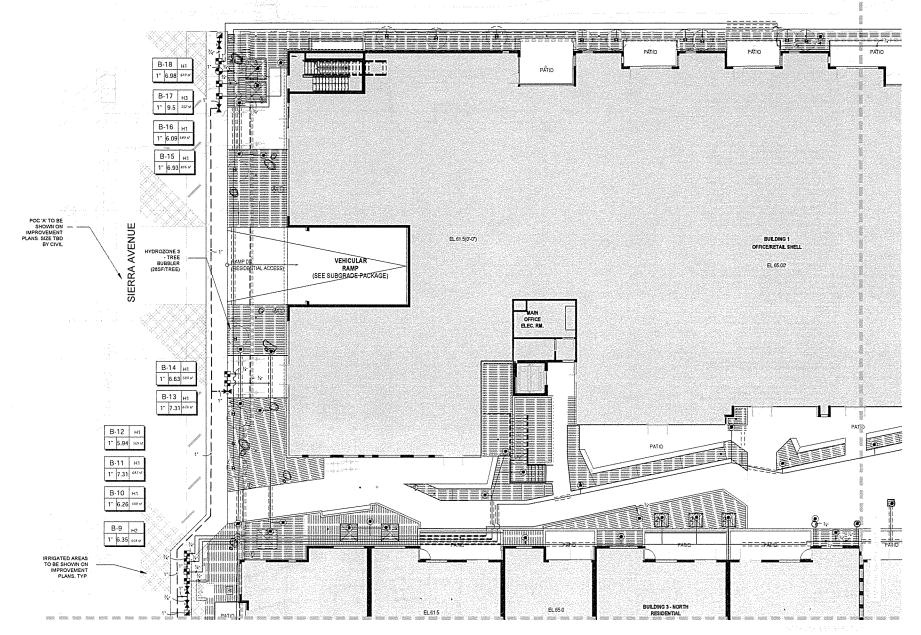
CONSTRUCTION CUT SHEETS

L-7

Underground Service Alert Call: TOLL FREE
1-800
227-2600



EL	ELECTRICAL CONNECTION 120 V Electrical connection location for controller, to be installed by licensed electrician. Verify location in field	
£ X \$	Penetration Point Through Structural Slab Connection from Valve to planter areas on podium. See waterproofing detail per Architect's plan. For line type and routing, see MEP plans.	
Łoć "B.	Point of Connection 1* TBD	
***************************************	krigation Lateral Line; PVC Class 200 SDR 21	
	Irrigation Mainline: PVC Schedule 40	
	Pipe Sleeve: PVC Class 200 SDR 21	







ZEPHYR

Gensler

225 Broadway Tel 619.557.2500
Suite 1600 Fax 619.557.2520
San Diego, CA 92101
United States



Carson Douglas Landscape Archite 4407 Orchard Ave San Diego, CA 92107 619 995.1306 cd-la com

△ Date Description

 2019 02 01
 100% SCHEMATIC PACKAGE

 2019 05 31
 SUBTERRANEAN BLDG PERMIT

 2019 07 26
 SUBTERRANEAN BLDG PERMIT

2019 08.23 GMP ISSUE 2019 08.29 BALANCE OF WORK PERMIT-CITY SUBMITTAL 1

2019 12:20 SUBTERRANEAN BUILDING PERMIT
2020:2:12 PLANNING & FIRE CHECK

2020 3.25 BALANCE OF WORK PERMIT - SUBMITTAL 2
2020 3.30 ADDENDUM PE - BALANCE OF WORK

2020.12.17 BALANCE OF WORK-SUBMITT 3 2021.5.21 IFC

2021.5.21 IFC 2021.6.11 IFC / DELTA 2021.7.23 BULLETIN 1

Seal/Signature



Solana 101

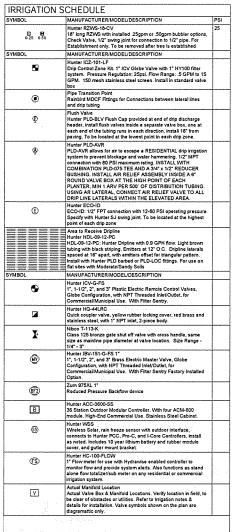
Project Number

16-036

Description

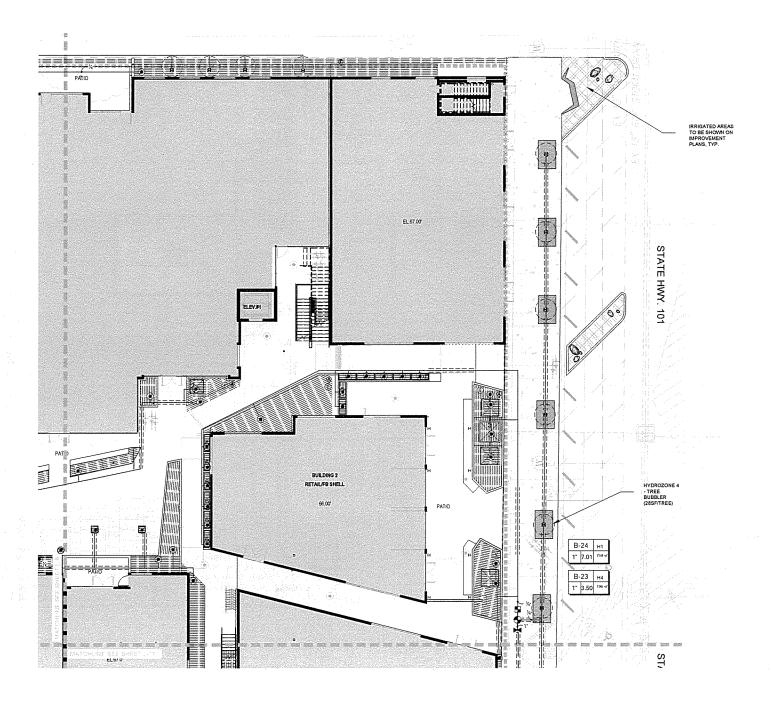
LANDSCAPE IRRIGATION PLAN

1. .



VAL	VE CA	rroni			
Г	" Γ	H#+		Valve I Hydrod	Vumb one
4	1	ET S		Area	٠, ١
. 1		-	=	Valve i Valve i	See

EL	ELECTRICAL CONNECTION 120 V Electrical connection location for controller, to be installed by licensed electrician. Verify location in field	
. 131	Penetration Point Through Structural Slab Connection from Valve to planter areas on podium. See waterproofing detail per Architect's plan. For line type and routing, see MEP plans.	
boc [™] ,e,	Point of Connection 1" TBD	
	Irrigation Lateral Line: PVC Class 200 SDR 21	
	Irrigation Mainline: PVC Schedule 40	
======	Pipe Sleeve: PVC Class 200 SDR 21	



ZEPHYR

Gensler

225 Broadway Suite 1600 San Diego, CA 92101 United States Tel 619.557.2500 Fax 619.557.2520



2019.02.01 100% SCHEMATIC PACKAGE 2019.05.31 SUBTERRANEAN BLDG PERMIT

2019.07.26 SUBTERRANEAN BLDG PERMIT

2019.08.23 BALANCE OF WORK PERMITCITY SUBMITTAL 1
2019.12.20 SUBTERRANEAN BUILDING
PERMIT
2020.2.12 PLANNING & FIRE CHECK

2020.3.25 BALANCE OF WORK PERMIT-SUBMITTAL 2 2020.3.30 ADDENDUM PE - BALANCE OF WORK

2020.12,17 BALANCE OF WORK- SUBMITTA

3 2021.5.21 IFC 2021.6.11 IFC / DELTA 10 2021.7.23 BULLETIN 1



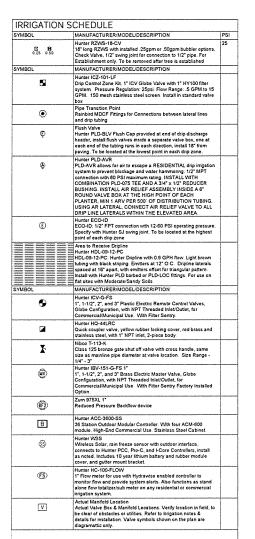
16-036

LANDSCAPE IRRIGATION PLAN

Description

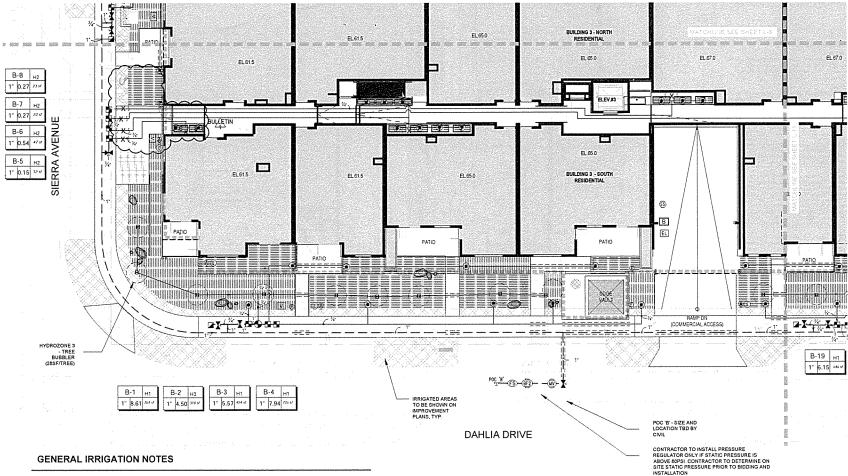








EU	ELECTRICAL CONNECTION 120 V Electrical connection location for controller, to be installed by licensed electrician. Verify location in field	
1 *1	Penetration Point Through Structural Slab Connection from Valve to planter areas on podium. See waterproofing detail per Architect's plan. For line type and routing, see MEP plans.	
POC 'X' B'	Point of Connection 1* TBD	
	Irrigation Lateral Line: PVC Class 200 SDR 21	
	Irrigation Mainline; PVC Schedule 40	
	Pipe Sleeve: PVC Class 200 SDR 21	



- ALL LOCAL MUNICIPAL AND STATE LAWS, RULE AND REQULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATION IN OAD MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVIDENCE SHALL BE CARREST OUT BY THE COMPRACTION, IN CASE OF CONJUCT SERVICES THE SPECIFICATIONS, DAWNINGS, AND/OR COOKE HE WIGHE STRINGER REQUERMENT SHALL REVAL
- THE CONTRACTOR SHALL VERBY THE LOCATIONS OF ALL EXTING UTILITES, STRUCTURES AND SERVICES BEFORE COMMERCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCRETANCIES SERVICEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE SEPORTED TO THE OWNER'S REPRESENTATIVE.
- 3. THE CONTRACTOR SHALL ORIGIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK
- 4. THE CONTRACTOR SHALL DETAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE REGINNING WORK
- THE MANUNE AND SLEEVING IS DIAGRAMMATIC. ALL PRIVE IS FOR DESIGN CLARRICATION ONLY AND SHALL BE INSTALLED WITHIN UNIT OF WORK
 BOUNDARDS MOD IN SHRUB PLAYTING AREAS WHERE POSSIBLE. AVOID ANY CONFLICTS BETWEEN THE SPRINGER INSTEM, PLAYTING AND ARCHITECTURAL
 FEATURES.
- BRIGATION EQUIPMENT AS SHOWN IS DIAGRAMMATIC, INSTALL ALL THE REGISTION REMOTE CONTROL VALVES, QUICK COURLES, MASTER VALVES, ROW SERGOS, BACGROWS, ARPHACUMS ARPHACUMS DEVOES, BALL VALVES, AND ACCURATE (GUIPMENT, IN SPRUB PLANTING AREAS WHEN FEASIBLE OR AS APPROVED BY OWNERS REPRESENTATIVE AND THE LUMBOCAPE REGISTATION DESIGNER.
- 2. DO NOT WILITALLY NISTALL ANY EQUIPMENT AS SHOWN ON THE PRANS WHEN IT IS OBVIOUS IN THE FEED THAT LIMINOVIN IN CONDITIONS DEST THAT WERE NOT EVEDENT AT THE TIME THAT IS ALSO WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTANT PROOF TO ANY MOSING OF THE RESISTANCE CONTINUCTION SHALL SHALL RESPONSIBLY FOR ANY TIESD COMPAGES DESTRICTEDAY BY THE CONTINUE.
- NSTALL ALL EQUIPMENT AS SHOWN IN THE DETALS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY
 AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
- CONTRACTOR TO PROVIDE AN ADDITIONAL PLOT WIRE FROM CONTROLLER ALONG ENTIRETY OF MAINLINE TO THE LAST RCV ON EACH AND EVERY LEG
 OF MAINLINE I LARGE SPARE WERE AT BOTH RIVE.
- 10. ALI PPE UNDER PAUTO AVEAL INADOCACE, COLA DESCRID BY CHARGE SEPREDATATION TO DE INSTALLED IN SELEVINO, TWICE THE DUALISTIA OF PIPE OR WISE BUDDLE CARRED, ALL 2° AND 3° SELEVING FOR NON-VARIO SALVE SEPVOY 1220 SCH. 30, TYPE 1, GRADE 2° MATERIAL CONFORMING TO ASM STANDARD D-1785-4. ALL 4° AND UNGERS SELEVING BEDGE VERSIONED SHALL SEPVOY 1220 SCH. 30, TAYL 50, GRADE 2° MATERIAL CONFORMING TO ASM STANDARD D-2311. SEEVES WORD ROOM OTHER SHALL SE ENCASED IN CONCRETE A MERMANN OF 6° THOSE ON ALL SIDES OF PIPE. SELEVING DOCTOR STANDARD CONTROL 12° PAPE 1. SELEVING DOCTOR STANDARD CONTROL 12° PAPE 1.
- 11. ALL QUICX COUPLER VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL QUICX COUPLER VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICX COUPLER VALVES WITHIN 18" OF HARDSCAPE.
- 12. ROSATION HEADS ADJACENT TO THE STRETS HALL BE HELD A MINIMUM OF 2 FEET FROM EDGE OF PAYMENT, ALL HEADS ARE TO BE NOTALLED WITH THE NOZIE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJACTED TO PREVENT OVERFRAY ONTO BUILDINGS, WALLE, REVES AND HADDOCARE. PASS INCLUDES, BY IN PROSECT COMPREVENT OF STREEMED COMPREVENT OF ROSZES WITH ADJACTED AND SCREENS, REPLACEMENT OF ROSZES WITH ADJACTED AND VISIT OF ROSZES WITH ADJACTED AND VISIT OF REPLACEMENT OF ROSZES WITH ADJACTED AND VISIT OF ROSZES WITH ADJACTED AND VISIT OF REPLACEMENT AND VISIT OF REPROADER ROSZES OF REVENTION BY ADJACTED AND VISIT OF ROSZES WITH ADJACTED AND VISIT OF ROSZES WITH ADJACTED AND VISIT OF ROSZES WITH ADJACTED AND VISIT OF ROSZES WALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
- 13. THE REPORTION CONTRACTOR SHALL ADJUST THE PRESSURE RESULATOR ON EACH ELECTRIC CONTROL VALVE SO THAT THE SPREMLER HEAD FARTHEST AND HOHEST IN ELEVATION PROMITS RESPECTIVE CONTROL VALVE OPERATES WITHIN THE OPERATION PRESSURE SHOWN ON THE REPORTION ELECTRIC. NOT TO SECRED PINE 60 JPS AND ON THE GHAVE OPERATION PRESSURE FROM THE SPECTION PRESSURE LOCATION ON THE REPORTION FROM THE SPECTION FROM THE REPORT ON THE REPORT OF ONTHE REPORT OF THE R
- 14. THE RESIGNION SYSTEM DESIGN IS BASED ON THE MASHAMA CPERATING PRESSURE AND THE MASHAMA ROW DEMAND SHOWN ON THE RESIGNION DRIVINGS AT EACH POINT OF CONNECTION. THE RESIGNION CONTRACTOR SHALL YESPY WATER PRESSURE VAN DRECT RELD MEASUREMENT PROOF TO CONSTRUCTION. REPORT AND PETERPORE ENTERNETHEN THE WATER RESIDER PROVINCED ON The DRAWNING AND THE ACTUAL PRESEDUANCE AT THE RESIDENT CONTRACTOR SHALL ASSUME FULL RESPONSED PRESSURE DEFERRENCES AND FOR THE PROPERTY OF CONSTRUCTION. THE RESIDENCE OF THE PROPERTY OF CONTRACTOR SHALL ASSUME FULL RESPONSEDLY FOR ANY REVISIONS, AND COSTS ASSOCIATED WITH SAD REVISIONS.
- 15. SHOULD FELD CONDITIONS REQUIRE PIPE INSTALLATION OTHER THAN THAT SHOWN ON PLANS, THE CONTRACTION SHALL LIMIT EXCESS ROW AND SEE ALL PIPE NOT TO DICCED A VEDICITY OF SHE PIPE RESCOOLS OFFS IN PICE PIPE AND COAT ROW RIFE. IN DIVIDED SHALL LIMIT EXCESS A VEDICITY OF 7 1, FIR. ALL ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE GYMEN.
- 16. CHECK VALVES SHALL BE USED TO PREVENT ALL LOW HEAD DRAINAGE



Gensler

225 Broadway Suite 1600 San Diego, CA 92101 United States



Tel 619.557.2500 Fax 619.557.2520

△, Date Description

2019 02 01 100% SCHEMATIC PACKAGE
2019 05 31 SUBTERRANEAN BLDG PERMIT
2019 05 23 SUBTERRANEAN BLDG PERMIT
2019 05 29 GMP ISSUE
2019 05 29 BALANCE OF WORK PERMIT
-CITY SUBMITTAL 1
2019 12 20 SUBTERRANEAN BUILDING
PERMIT
2020 2 12 PLANNING & FIRE CHECK
2020 3 20 ADDEN DUM PEL BALANCE OF
WORK
2020 12 17 BALANCE OF WORK-SUBMITTA
3
2015 21 IFC
2021 16 11 IFC / DELTA 10
2021 72 3 BUILETIN 1

Cont/Cianatura



Solana 101

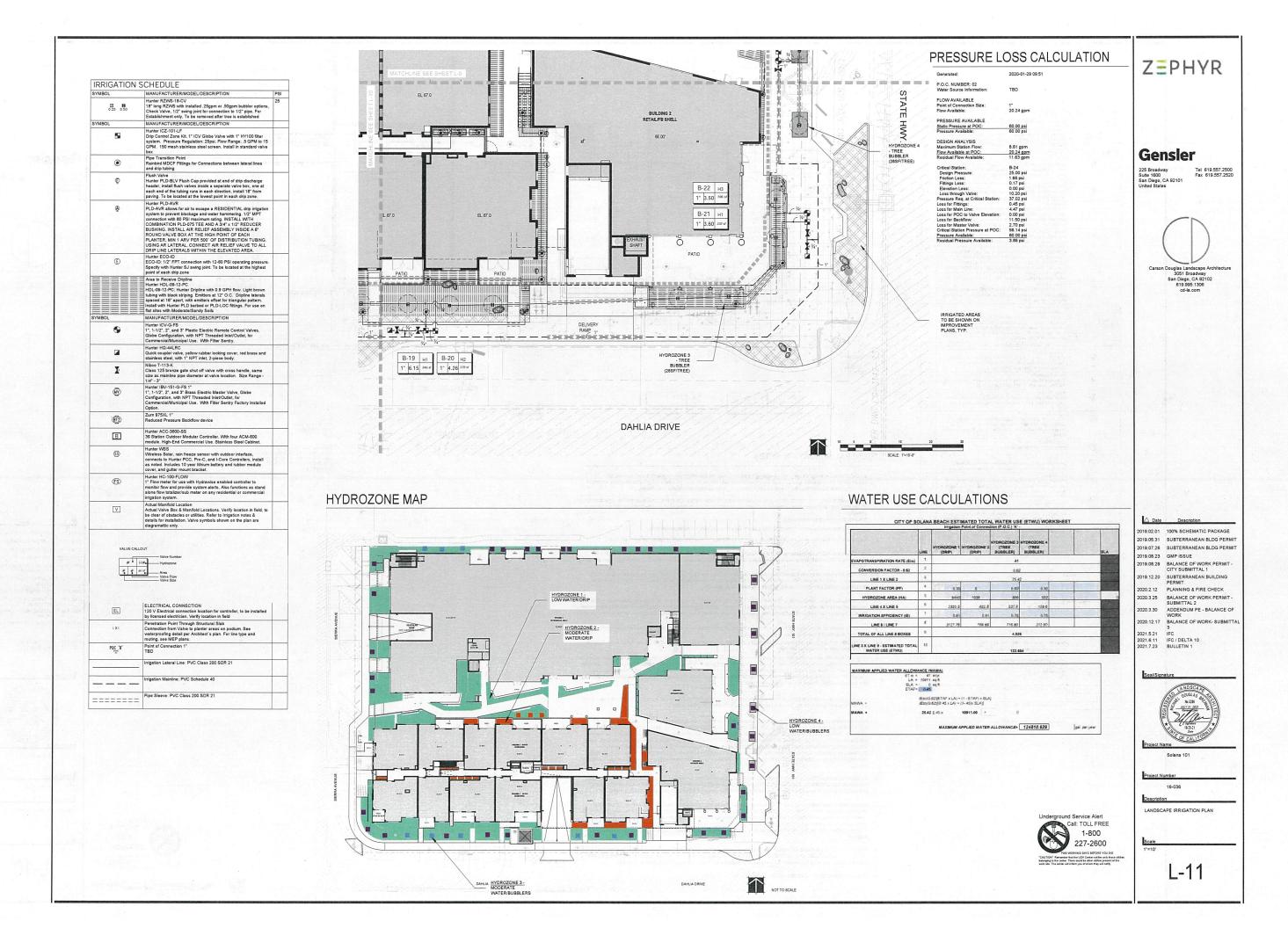
Project Number

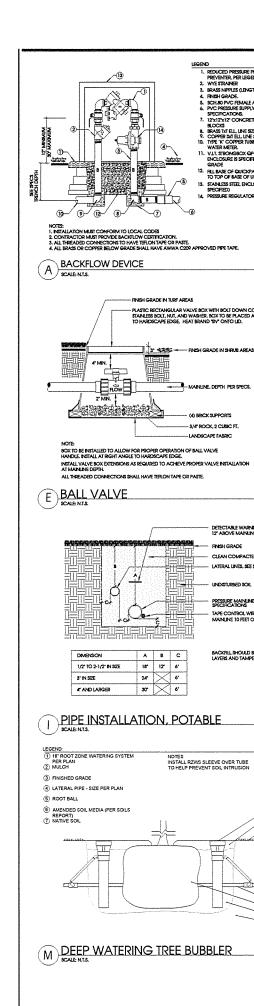
16-036

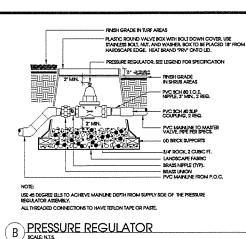
LANDSCAPE IRRIGATION PLAN

Scale









REDUCED PRESSURE PRINCIPLE BACKFLOW
PREVENTER, PER LEGENO

WYE STRAINER
BRASS INPPLES (LENGTH AS REQ.)

3. BRASS NEPES (LENGTH AS REQ.)
4. RINGH GRADE.
5. SCHAS DAYC HEALE ADAPTER.
6. PHO PRESSURE SUPPLY LIVE. SEE
7. LEVILLEY CONCERTE HRUST
BLOCKS
6. BRASS TIT GLL LINE SZE
7. COPPER ME BLUE SZE
7. THE YE COPPER BURNON FROM
WATER METER.
7. VILL STROKHOSKY OP-30SF GUICK PAD. IF
9. COLORED SEE SPECHED. SEE Z'ASOVE
GRADE
GRADE
6. GRADE
6. GRADE
6. GRADE
6. GRADE
6. GRADE
6. SCHASTER SEE
6. GRADE
6. GRADE
6. GRADE
6. SCHASTER SEE
6. GRADE
6. GRADE
6. SCHASTER SEE
6. GRADE
6. GRADE
6. SCHASTER SEE
6. GRADE
6.

FILL BASE OF QUICKPAD WITH \$1/2 ROCK TO TOP OF BASE OF UNIT

15. STAINLESS STEEL ENCLOSURE OF

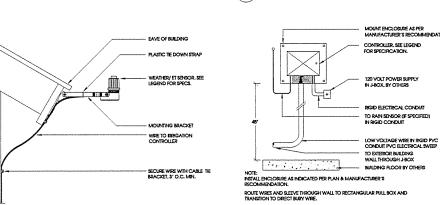
14. PRESSURE REGULATOR

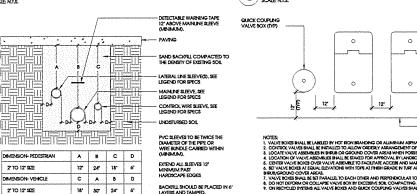
- 3/4" ROCK, 2 CUBIC FT.

DETECTABLE WARNING TAPE 12" ABOVE MAINLINE (MINIMA)

PRESSURE MAINLINE, SEE SPECIFICATIONS

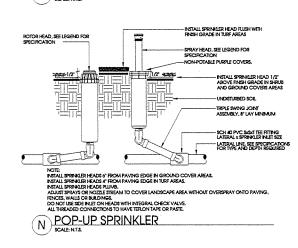
BACKFILL SHOULD BE PLACED IN 6"

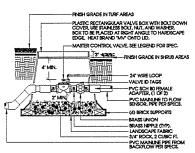






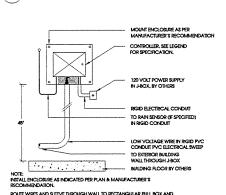
WEATHER/ ET SENSOR MOUNTED ON EAVE

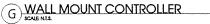


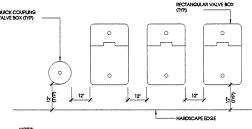


NOTE:
USE AS DEGREE ELLS TO ACHEVE MANUNE DEPTH FROM SUPPLY SDE OF THE MASTER VALVA
ASSOCIALY.
ALL THEADED CONNECTIONS TO HAVE TERION TAPE OR PASTE.

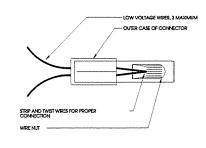
C MASTER VALVE



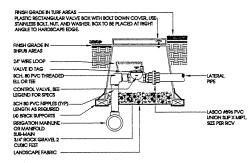




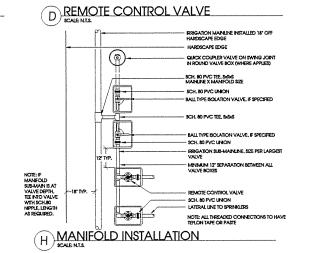
VALVE BOX LAYOUT

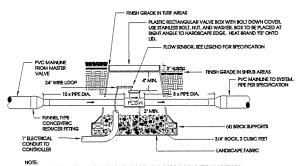


O WIRE CONNECTIONS

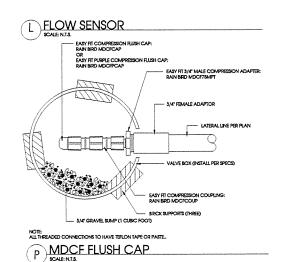


NOTE: ALL THREADED CONNECTIONS TO HAVE TERLON TAPE OR PASTE. IF MANNINE OR MANIFOLD SUB-MAIN IS AT VALVE DEPTH, TEE INTO VALVE WITH SCH.80 NPPRE, LENGTH AS





NOTE:
NO TITMOS IO: PRE D.O., UPDITECAM OF SENSOR, NO FITTMOS SE PRE D.D. DOWNSTITECAM OF SENSOR,
NOTALLIS OW SENSOR PER THE MANAFACTUSER'S RECOMMENDATIONS, NOUTE WIRES THROUGH
COMMENT OR REGISTRON CONTROLLIS
USE 40 DEGREE ELLS TO ACHEVE MARKILINE DEPTH ON THE DOWNSTIESAM SDE OF THE FLOW SENSOR.





Gensler

225 Broadway Suite 1600 San Diego, CA 92101 United States



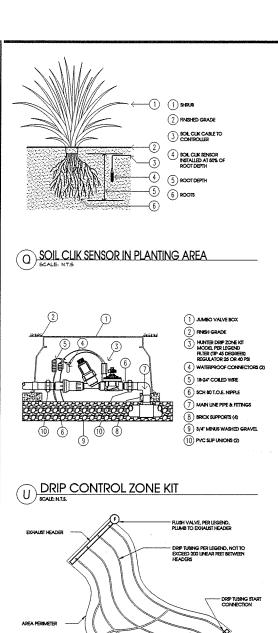
2019.02.01 100% SCHEMATIC PACKAGE 2019 05 31 SUBTERRANEAN BLDG PERMI 2019 07 26 SUBTERRANEAN BLDG PERMI 2019.08.23 GMP ISSUE 2019.08.29 BALANCE OF WORK PERMIT -CITY SUBMITTAL 1 2019.12.20 SUBTERRANEAN BUILDING 2020.2.12 PLANNING & FIRE CHECK 2020.3.25 BALANCE OF WORK PERMIT -SUBMITTAL 2 2020.3.30 ADDENDUM PE - BALANCE OF 2020.12.17 BALANCE OF WORK-SUBMITT 3 2021.5.21 IFC 2021.6.11 IFC / DELTA 10 2021.7.23 BULLETIN 1

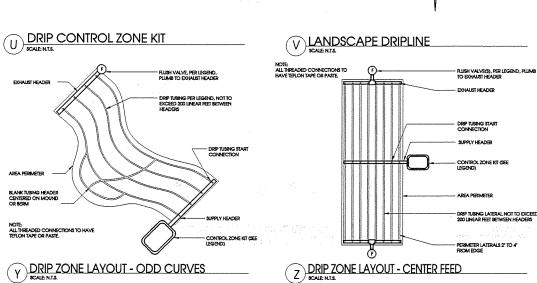


Solana 101

16-036

LANDSCAPE IRRIGATION DETAILS





INTERIOR OR EXTERIOR WALL

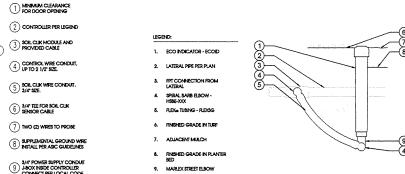
0

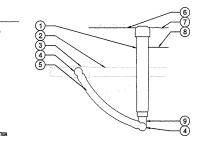
 $\widehat{\mathbb{R}} \overset{\text{SOIL CLIK INSTALLED AT CONTROLLER}}{\overset{\text{SOIL CLIK INSTALLED AT CONTROLLER}}{}}$

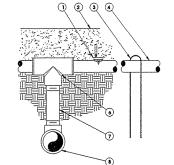
(1) TEE 2 TOP OF MULCH

4 TIE DOWN STAKE









 SINGLE-OUTLET EMETER WITH 1/4"
 DISTRIBUTION TUBING PER LEGISNO. POLYETHYLENE DISTRIBUTION FEED TUBE PER LEGEND. 3/4" PVC 9CH, 80 NIPPLE (LENGTH AS REQUIRED).

> 2019.02.01 100% SCHEMATIC PACKAGE 2019,05,31 SUBTERRANEAN BLOG PERMIT 2019.07.26 SUBTERRANEAN BLDG PERMIT 2019.08.23 GMP ISSUE 2019.08.29 BALANCE OF WORK PERMIT-CITY SUBMITTAL 1 2019.12.20 SUBTERRANEAN BUILDING PERMIT
> 2020.2.12 PLANNING & FIRE CHECK 2020.3.30 ADDENDUM PE - BALANCE OF WORK 2020.12.17 BALANCE OF WORK-SUBN 2021.5.21 IFC 2021.6.11 IFC / DELTA 10 2021.7.23 BULLETIN 1

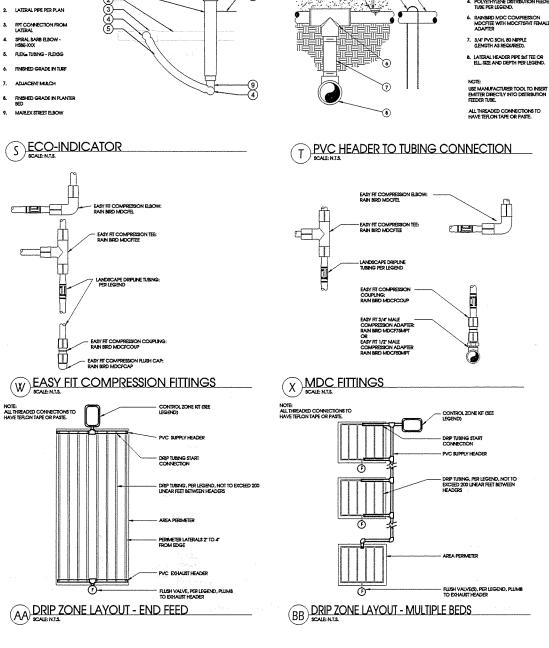


ZEPHYR

Gensler

LANDSCAPE IRRIGATION DETAILS

Underground Service Alert



HC-XX FLOW METER

IRRIGATION SPECIFICATIONS

LANDSCAPE IRRIGATION PART I - GENERAL

1.01 SUMMARY

- A. IT IS THE INTENT OF THE SPECIFICATIONS AND DRAWINGS THAT THE FINISHED SYSTEM IS COMPLETE IN EVERY RESPECT AND SHALL BE READY FOR OPERATION SATISFACTORY TO THE OWNER.
- THE WORK SHALL INCLUDE ALL MATERIALS, LABOR, SERVICES, TRANSPORTATION, AND EQUIPMENT NECESSARY TO PERFORM THE WORK AS INDICATED ON THE DRAWNOS, IN THESE SPECIFICATION, AND AS NECESSARY TO COMPLETE THE CONTRACT.

1.02 CONSTRUCTION DRAWINGS

- DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, ETC. WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL OF HIS WORK AND PLAN HIS WORK ACCORDINGLY, PURNISHING SUCH STITINGS, ETC. AS MAY BE REQUIRED TO MEET SUCH CONDITIONS. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND MOIDCATIVE OF THE WORK TO BE INSTALLED. THE WORK SHALL BE INSTALLED IN SUCH A MAINTER AS TO AVOID CONFLICTS BETWEEN IRRIGATION SYSTEMS, PLANTING, AND ARCHITECTURAL TEATURES.
- ALL WORK CALLED FOR ON THE DRAWINGS BY NOTES OR DETAILS SHALL BE FURNISHED AND SPECIFICALLY MENTIONED IN THE SPECIFICATIONS WHEN AND INSTALLED WHETHER OR NOT SPECIFICALLY MENTIONED IN THE SPECIFICATIONS WH AN ITEM IS SHOWN ON THE PLANS BUT NOT SHOWN ON THE SPECIFICATIONS OR VICE VERBA, IT SHALL BE DEEMED TO BE AS SHOWN ON BOTH. THE LANDSCAPE ARCHITECT SHALL HAVE FINAL AUTHORITY FOR CLARFICATION.
- THE CONTRACTOR SHALL NOT WILEFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWNINGS WHEN IT IS OBMOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DISCREPANCIES IN AREA DIMENSIONS ENSIT THAT MORTH NOT HAVE BEEN CONSIDERED IN ENGINEERING. SUCH OBSTRUCTIONS OF DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AS SOON AS DETECTED. IN THE EVENT THIS NOTHICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISION NECESSARY.

- A PROVIDE AT LEAST ONE ENGLISH SPEAKING PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK AND WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE OF MATERIALS BEIGN GISTALLED AND THE MANUFACTURES'S RECOMMENDED METHODS OF INSTALLATION AND WHO SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.
- MANUFACTURER'S DIRECTIONS AND DETAILED DRAWINGS SHALL BE FOLLOWED IN ALL CASES WHERE THE MANUFACTURER OF ARTICLES USED IN THIS CONTRACT FURNISH DIRECTIONS COVERING POINTS NOT SHOWN IN THE DRAWINGS AND SPECIFICATIONS.
- ALL LOCAL, MUNICIPAL AND STATE LAWS, RULES AND PEGULATIONS COVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR. ANYTHING CONTRINED IN THESE SPECIFICATIONS SHALL BOT BE CONSTRUCTOR. ANYTHING CONTRINED IN THESE SECRIFICATIONS SHALL NOT BE CONSTRUCTOR OF THE SAME. HOWEVER, WHEN THESE SPECIFICATIONS AND DRAWINGS CALL FOR OR DESCRIBE MATERIALS, WORKMANSHIP, OR CONSTRUCTION OF A BETTER QUALITY, HIGHER STANDARD, OR LARGER SIZE THAN IS REQUIRED BY THE ABOVE RULES AND REQUILATIONS. THE PROVISIONS OF THESE SPECIFICATIONS AND DRAWINGS SHALL TAKE PRECEDENCE.
- ALL MATERIALS SUPPLIED FOR THIS PROJECT SHALL BE NEW AND FREE FROM ANY DEFECTS.
 ALL DEFECTIVE MATERIALS SHALL BE REPLACED IMMEDIATELY AT NO ADDITIONAL COST TO
- THE CONTRACTOR SHALL SECURE THE REQUIRED LICENSES AND PERMITS INCLUDING PAYMENTS OF CHARGES AND FEES, GIVE REQUIRED NOTICES TO PUBLIC AUTHORITIES, VERIFY PERMITS SECURED OR ARRANGEMENTS MADE BY OTHERS AFFECTING THE WORK OF THIS SECTION.

1.04 SUBMITTALS

- A MATERIAS LIST.

 A MATERIAS LIST.

 AFTER AWARD OF CONTRACT AND BEFORE ANY IRRIGATION SYSTEM MATERIALS ARE DELIVERED TO THE UGB SITE. SUBBILT TO THE OWNER A COMPLETE LIST OF ALL IRRIGATION SYSTEMS, MATERIALS, OR PROCESSES PROPOSED TO BE FURNISHED AND INSTALLED AS PART OF THIS CONTRACT.

 SHOW MANUFACTURER'S NAME AND CATALLED NUMBER FOR EACH ITEM, FURNISH COMPLETE CATALLOG CUTS AND TECHNICAL DATA, FURNISH THE MANUFACTURER'S RECOMMEDIATIONS WILL BE ALLOWED WITHOUT PRIOR WRITTEN ACCEPTANCE BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE.

 MANUFACTURER'S WARRANTIES SHALL NOT RELIEVE THE CONTRACTOR OF HIS LIABILITY UNDER THE GUARANTEE. SUCH WARRANTIES SHALL NOT RELIEVE THE CONTRACTOR OF HIS LIABILITY UNDER THE GUARANTEE.

- SUBSTITUTIONS:
 IF THE IRREGATION CONTRACTOR WISHES TO SUBSTITUTE ANY EQUIPMENT OR MATERIALS ISTED ON THE IRREGATION DRAWNESS AND SECULIFICATIONS HE MAY DO SO BY PROVIDING THE FOLLOWING INFORMATION TO THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE AND CITY INSPECTIOR FOR APPROVAL PROVIDE A WRITTEN STATEMENT INDICATING THE RESON FOR MARINET HE SUBSTITUTION. PROVIDE CATALOG CUT SHEETS, TECHNICAL DATA, AND PERFORMANCE INFORMATION FOR EACH SUBSTITUTE THE

- 3. PROVIDE IN WRITING THE DIFFERENCE IN INSTALLED PRICE IF THE ITEM IS ACCEPTED.
- 1.05 EXISTING CONDITIONS
- A THE CONTRACTOR SHALL VERIFY AND BE FAMILIAR WITH THE LOCATIONS, SIZE AND DETAIL OF POINTS OF CONNECTION PROVIDED AS THE SOURCE OF WATER, ELECTRICAL SUPPLY, AND ANY TELEPHONE LINE CONNECTION TO THE IRRIGATION SYSTEM.
- IRRIGATION DESIGN IS BASED ON THE AVAILABLE STATIC WATER PRESSURE SHOWN O INMIGRATION DESIGN TO BASED ON THE AVAILABLE STAIN WATER PIECESSINE SHOWN ON THE DRAWINGS. CONTRACTOR SHALL VERRY STAIN WATER ON THE PROJECT PRIOR TO THE START OF CONSTRUCTION SHOULD A DISCREPANCY EXIST, NOTHY THE LANDSCAPE ARCHITECT AND OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION.
- PRIOR TO CUTTING INTO THE SOIL THE CONTRACTOR SHALL LOCATE ALL CABLES, CONDUITS, SEWER SEPTIC TANKS, AND OTHER UTILITIES AS ARE COMMONLY ENCOUNTERED UNDERGROUND AND HE SHALL THAN PROPERED PRICCAUTIONS NOT TO DAMAGE OR DISTURBE SUTHER INFORMATION IN THE CONTRACTOR SHALL PROMPTLY WORTEN THE SUCH OBSTACLES AND THE PROPOSED WORK, THE CONTRACTOR SHALL PROMPTLY WORTEN THE SUCH COSTACLES AND OWNER WHO MILL ARRANGE FOR RELOCATIONS THE CONTRACTOR WILL PROMPTLY SAME WANTER IF A ROCK LAFER OR ANY OTHER SUCH CONTRACTOR ARE ENCOUNTERED.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND FEATURES TO REMAIN ON AND ADJACENT TO THE PROJECT SITE DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR, AT HIS OWN COST, ALL DAMAGE RESULTING FROM HIS OPERATIONS OR NEGLIGENCE.
- THE IRRIGATION CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR FOR INSTALLATION OF REQUIRED SLEEVING AS SHOWN ON THE PLANS

INSPECTIONS

- THE CONTRACTOR SHALL PERMIT THE LANDSCAPE ARCHITECT, OWNER'S AUTHORIZED REPRESENTATIVE AND CITY INSPECTOR TO WSIT AND INSPECT AT ALL TIMES ANY PART OF THE WORK AND SHALL PROVIDE SAFE ACCESS FOR SUCH VISTS.
- WHERE THE SPECIFICATIONS REQUIRE WORK TO BE TESTED BY THE CONTRACTOR, IT SHALL NO

- INSPECTIONS WILL BE REQUIRED FOR THE FOLLOWING AT A MAINTUM.

 SYSTEM LAYOUT
 PRESSURE TEST OF IRRIGATION MAIN LINE (FOUR HOURS AT 125 PS) OR 120% OF STATIC WATER
 PRESSURE, WHICH EVER IS GREATER) APPROVAL REQUIRED BY CITY INSPECTOR.

 COVERAGE TEST OF IRRIGATION SYSTEM (APPROVAL REQUIRED BY CITY INSPECTOR).

 FIRML INSPECTION FRIGHT TO START OF MAINTENANCE PERIOD

 FINAL ACCEPTANCE.
- SITE OBSERVATIONS AND TESTING WILL NOT COMMENCE WITHOUT THE RECORD DRAWINGS AS PREPARED BY THE IRRIGATION CONTRACTOR. RECORD DRAWINGS MUST COMPLETE AND UP TO DATE FOR EACH SITE.
- WORK WHICH FAILS TESTING AND IS NOT ACCEPTED WILL BE RETESTED. HOURLY RATES AND EXPENSES OF THE LANDSCAPE ARCHITECT, OWNER'S AUTHORIZED REPRESENTATIVE, AND GOVERNING AGENCIES FOR REMISFECTION OR RETESTING WILL BE PAID BY THE IRRIGATION CONTRACTOR AT NO ADDITIONAL EXPENSE TO OWNER.

1.07 STORAGE AND HANDLING

- USE ALL MEANS NECESSARY TO PROTECT IRRIGATION SYSTEM MATERIALS BEFORE, DURING, AND AFTER INSTALLATION AND TO PROTECT THE INSTALLATION WORK AND MATERIALS OF ALL DIHER TRADES IN HE EVENT OF DAMAGE, MARGDATELY MAKE ALL REPARS AND REPLACEMENTS NECESSARY TO THE ACCEPTANCE OF THE LANDSCAPE ARCHITECT AND OWNER AND AT NO ADDITIONAL COST TO THE OWNER.
- EXERGISE CARE IN HANDLING LOADING, UNLOADING, AND STORING PLASTIC PIPE AND PITTINGS UNDER COVER UNTIL READY TO INSTALL. TRANSPORT PLASTIC PIPE ONLY ON A VEHICLE WITH A BED LONG ENOUGH TO ALLOW THE PIPE TO LAY FLAT TO AVOID UNDUE BENDING AND CONCENTRATED EXTERNAL

1.08 CLEANUP AND DISPOSAL

- DISPOSE OF WASTE, TRASH, AND DEBRIS IN ACCORDANCE WITH AFPLICABLE LAWS AND ORDINANCES AND AS PRESCRIEDE BY AUTHORITIES HAVING JURISDICTION BURY NO SUCH WASTE WATERAL AND DEBRIS ON HE SITE. BURKING OF TRASH AND DEBRIS ON HIGH SITE OF THE OTHER OFFICE SHALL RECOVER AND DISPOSE OF RUBBRIS AND DEBRIS GREENATED BY HIS WORK AND WORKMEN AT PREDUCKT WHEN THE OWNER'S AUTHORIZED REPRESENTATIVE.
- AT THE TIME OF COMPLETION THE ENTIRE SITE WILL BE CLEARED OF TOOLS, EQUIPMENT, RUBBISH AND DEBRIS WHICH SHALL BE DISPOSED OF OFF-SITE IN A LEGAL DISPOSAL AREA

TURNOVER ITEMS

- RECORD DRAWINGS:
 RECORD ACCURATELY ON ONE SET OF CONTRACT DRAWINGS ALL CHANGES IN THE WORK CONSTITUTING
 DEPARTURES FROW THE CRICINAL CONTRACT DRAWINGS.
 THE CHANGES AND DIMENSIONS SHALL BE RECORDED IN A LEGBLE AND WORMMAN, IKE MANNER TO THE
 SAIRS-ACTION OF THE COMMER PRIOR TO FINAL INSPECTION OF WORK, SUBJUIT RECORD DRAWINGS
 TO THE LANDSCAPE ARCHITECT OR OWNER'S JUTHONIZED REPRESENTATIVE.
 DIMENSIONS FROM/TO DEFINANTE POINTS OF REFERENCE SUICH AS BRUIDINGS, DOEWALKS, CURBS, ETC.
 SHALL BE SHOWN. DATA ON RECORD DRAWINGS SHALL BE RECORDED ON A DAY TO DAY BASIS AS
- SHALL BE ANNEX DATA RECORD DEMENSES SHALL BE RECORDED OF A DATA TO DATA BODD A
 THE PROJECT IS BEING INSTALLED. ALL LETTERING ON DRAWNOS SHALL BE MINIMUM 1/8 INCH IN
 SIZE
 4. SHOW LOCATIONS AND DEPTHS OF THE FOLLOWING ITEMS:

- POINT OF CONNECTION (INCLUDING WATER METERS, BACKFLOW PREVENTERS, MASTER CONTROL VALVES,
- ETC.) ROUTING OF SPRINKLER PRESSURE LINES (DIMENSIONS SHOWN AT A MAXIMUM OF 100 FEET ALONG

- MENIATION CONTROLLERS

 RELATED EQUIPMENT (AS MAY BE DIRECTED)
 MAINTAIN RECORD DRAWAISS ON SITE BAT ALL TIMES. UPON COMPLETION OF WORK, TRANSFER ALL
 AS-BULLT INFORMATION AND DIMENSIONS TO REPRODUCIBLE SEPIA PRINTS

- CONTROLER CHARTS.

 RECORD DRAWINGS MUST BE APPROVED BY LANDSCAPE ARCHITECT AND/OR OWNER'S AUTHORIZED REPRESENTATIVE BEFORE CHARTS ARE PREPARED.

 PROVED ONE CONTROLLER CHART FOR EACH AUTOMATIC CONTROLLER. CHART SHALL SHOW THE AREA COVERED BY THE PARTICULAR CONTROLLER. CHART IS TO BE A REDUCED COPY OF THE ACTUAL TRECORD DRAWING. IN THE EVENT THE CONTROLLER SEQUENCE IS NOT LEGALE WHITH THE DRAWN IS REDUCED, IT SHALL BE EDILARCED TO A READARLE SIZE.

 WHEN COMPLETED AND APPROVED, THE CHART SHALL BE HEPMETICALLY SEALED BETWEEN TWO PIECES OF PLASTIC, EACH PIECE BEING A MINIMUM 20 MUSS IN THICKNESS.

- OPERATION AND MAINTENANCE MANUALS:
 TWO BIOINDUALLY BOUND COPIES OF OPERATION AND MAINTENANCE MANUALS SHALL BE
 DELIVERED TO THE LANGSAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE AT
 LEAST TO CALENDAR DAYS PRIOR TO FINAL INSPECTION. THE MANUALS SHALL DESCRIBE
 THE MATERIAL INSTALLED AND THE PROPER OPERATION OF THE SYSTEM
 EACH COMPLETE, BOUND MANUAL SHALL INCLUDE THE FOLLOWING INFORMATION.
- NOTES SHEET STATING CONTRACTOR'S ADDRESS AND TELEPHONE NUMBER, DURATION OF GUARANTE PERIOD, UST OF COUPMENT INCLUDING NAMES AND ADDRESSES OF LOCAL MANUFACTURER REPRESENTATIVES.
- MANUFACIUMEN REPRESENTATIVES.
 OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL EQUIPMENT.
 SPARE PARTS LISTS AND RELATED MANUFACTURER INFORMATION FOR ALL EQUIPMENT.

- COUPMENT:
 SUPPLY AS A PART OF THIS CONTRACT THE FOLLOWING ITEMS:
 SUPPLY AS A PART OF THIS CONTRACT THE FOLLOWING ITEMS:
 THE GRIGATION SYSTEM
 HERE 20-INCH SYSTEMULER KEYS FOR MANUAL OFFRATION OF CONTROL VALVES.
 THIS OWEN FOR EACH AUTOMATIC CONTROLLER.
 FIVE OWEN FOR EACH AUTOMATIC CONTROLLER.
 FIVE OWEN COUPLER KEYS WITH A BROADE HOSE THREAD SO DEGREE SWIVEL ATTACHMENT AND FIVE
 COMPLETE USE COVER KEY OR WRENCH
 HIS CALVET BOX COVER KEY OR WRENCH.

- FIVE VALVE BUX LUVER KET ON WEARCH.
 ONE 5-FOOT TEE WEERCH FOO OPERATING CATE VALVES 3 INCHES OR LARGER (IF USED).
 SIX EXTRA SPRINKLER HEADS OF EACH SIZE AND TYPE PER IRRIGATION P.O.C.
- HE ABOVE EQUIPMENT SHALL BE TURNED OVER TO OWNER'S AUTHORIZED REPRESENTATIVE AT THE FINAL B. BRASS FITTINGS SHALL BE MEDIUM BRASS, SCREWED 125-POUND CLASS INSPECTION

- AT THE TIME OF THE PRE-MAINTENANCE PERIOD INSPECTION, THE LANDSCAPE ARCHITECT, OWNER'S AUTHORIZED REPRESENTANCE, AND GOVERNING AGENCIES MILL INSPECT THE WORK, AND IF NOT ACCEPTED, WILL PREPARE A LIST OF ITEMS TO BE COUNLETED BY THE CONTRACTOR. AT THE TIME OF THE POST-MAINTENANCE PERIOD OR FINAL INSPECTION THE WORK WILL BE REINSPECTED AND FINAL ACCEPTANCE WILL BE IN WRITING BY THE LANDSCAPE ARCHITECT, OWNER'S AUTHORIZED REPRESENTATIVE.
- THE OWNER'S AUTHORIZED REPRESENTATIVE SHALL HAVE FINAL AUTHORITY ON ALL PORTIONS OF THE
- AFTER THE SYSTEM HAS BEEN COMPLETED, THE CONTRACTOR SHALL INSTRUCT OWNER'S AUTHORIZED REPRESENTATIVE IN THE OPERATION AND MAINTERNANCE OF THE REPGATION SYSTEM AND SHALL FURNISH A COMPLETE SET OF OPERATION AND MAINTERNANCE INSTRUCTIONS.
- ANY SETTING OF TRENCHES WHICH MAY OCCUR DURING THE ONE-YEAR PERIOD FOLLOWING ACCEPTANCE ANY SETTIONS OF THE OWNER'S SATISFACTION BY THE CONTRACTOR WITHOUT ANY ADDITIONAL EMPENSE TO THE OWNER REPAIRS SHALL INCLUDE THE COMPLETE RESTORATION OF ALL DAMAGE TO PLANTING, PANNO OR OTHER IMPROVEMENTS OF ANY RIND AS A RESULT OF THE WORK.

GHARANTEF

- THE ENTIRE SPRINKLER SYSTEM, INCLUDING ALL WORK DONE UNDER THIS CONTRACT, SHALL BE UNCONDITIONALLY GUARANTEED AGAINST ALL DETECTS AND FAULT OF MATERIAL AND NORMANSHIP. INCLUDING STILLING OF BACK PIELD AREAS BELOW GRADE, FOR A FERIOD OF ONE (1) YEAR FOLLOWING THE FILING OF THE MOTICE OF COMPLETION, SHOULD ANY PROBLEM WITH THE RIRICATION SYSTEM BE DISCOVERED WITHIN THE GUARANTEE PERPOL, IT SHALL BE CORRECTED BY THE SYSTEM BE DISCOVERED WITHIN THE GUARANTEE PERION, IT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO OWNER WITHIN TEN (1)O CALLEDAR DAYS OF RECEIPT OF WRITTEN NOTICE FROM OWNER. WHEN THE NATURE OF THE BEFAIRS AS DETERMINED BY THE OWNER CONSTITUTE AN EMERGENCY (I.E. BROKEN PRESSURE LINE) THE OWNER MAY PROCEED TO MAKE REPAIRS AT THE CONTRACTOR'S EXPENSE. ANY AND ALL DAMAGES TO EXISTING IMPROVEMENT RESULTING ETHER FROM FAULTY MATERIALS OR WORKMARSHP, OF FROM THE NECESSARY REPAIRS TO CORRECT SAME, SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER BY THE CONTRACTOR, ALL AT NO ADDITIONAL COST TO THE OWNER.
- CHARANTE SHALL BE SUBMITED ON CONTRACTORS OWN LETTERHEAD AS FOLLOWS. GUARANTEE FOR SPRINKLER IRRIGATION SYSTEW WE HEREEY GUARANTEE THAT THE SPRINKLER IRRIGATION SYSTEW WE HAVE FURNISHED AND INSTALLED IS FREE FROW DEFECTS IN MATERIALS AND WORKMANSHIP, AND THE WORK HAS BEEN COMPLETED IN ACCORDANCE WITH THE DRAWNOS AND SPECIFICATIONS, ORDINARY WEAR AND TEAR AND UNUSUAL ABUSE, OR NEGLECT EXCEPTED. WE ARREE TO REPAR OR REPLACE ANY DEFECTIVE MATERIAL

DURING THE PERIOD OF ONE YEAR FROM DATE OF FILING OF THE NOTICE OF COMPLETION AND ALSO TO REPLAKE ANY DAMAGE RESULTING FROM THE REPAIRING OR REPLACEDING OF SUCH DETECTS AT NO ADDITIONAL COST TO THE OWNER. WE SHALL MAKE SUCH REPAIRS OR REPLACEDING WITHIN TO CALENDAR DAYS FOLLOWING WRITTEN NOTIFICATION BY THE OWNER. IN THE EVENT OF OUR FALLURE TO MAKE SUCH REPAIRS OR REPLACEMENTS WITHIN THE THE SPECIFIC OF THE PAIR OF REPLACEMENTS WITHIN THE THE SPECIFIC OF THE PAIR OF REPLACEMENT WORLD FROM OWNER, WE AUTHORIZE THE OWNER TO PROJECT TO THACE AND THE THE PAIR OF REPLACEMENTS MADE AT OUR EXPENSE AND WE WILL PAY THE COSTS AND CHARGES THEREFORE UPON DEMAND.

PROJECT NAME:
PROJECT LOCATION:
CONTRACTOR NAME:
ADDRESS:
TELEPHONE:
SIGNED:
DATE:

PART II - MATERIALS

- SUMMARY
 USE ONLY NEW MATERIALS OF THE MANUFACTURER SIZE AND TYPE SHOWN ON THE DRAWNIGS AND SPECIFICATIONS MATERIALS OR EQUIPMENT INSTALLED OR FURNISHED THAT DO NOT MEET LANDSCAPE ARCHITECTS, OWNERS, OR COVERNING AGENCIES STANDARDS WILL BE REJECTED AND SHALL BE REMOVED FROM THE SIZE AT NO EXPENSE TO THE OWNOUGH FROM THE SIZE AT NO EXPENSE THE SIZE AT SIZE AT SIZE AT SIZE AT SIZE AT SIZE AT SIZE AT
- PIPE
 PRESSURE SUPPLY LINE FROM POINT OF CONNECTION THROUGH BACKFLOW PREVENTION UNIT
 SHALL BE TYPE K "HARD" COPPER PIPE OR BRASS NIPPLES (LENGTH AS REQUIRED).
- PRESSURE SUPPLY LINES 2 INCHES IN DIAMETER AND UP TO 2.5 INCHES IN DIAMETER DOWNSTREAM OF BACKFLOW PREVENTION UNIT SHALL BE CLASS 315 SOLVENT WELD PVC. PIPING SHALL COMPONENT TO ASTIN DE241.
- PRESSURE SUPPLY LINES 3 INCHES IN DIAMETER AND UP TO 6 INCHES IN DIAMETER DOWNSTREAM OF BACKFLOW PREVENTION UNIT SHALL BE CLASS 200 GASKET JOINT PVC. PIPING SHALL CONFORM TO ASTM 02241.
- D. PRESSURE SUPPLY LINES 1.5 INCHES IN DIAMETER AND SMALLER OF THE BACKFLOW PREVENTION UNIT SHALL BE SCHEDULE 40 SOLVENT WELD PVC CONFORMING TO ASTM D1785.
- NON-PRESSURE LINES .75 INCHES IN DIAMETER AND LARGER DOWNSTREAM OF THE REMOTE CONTROL VALVE SHALL BE SCH. 40 PVC.
- F ALL SPECIALIZED PIPING SHALL BE AS INDICATED ON THE DRAWING LEGEND OR DETAILS
- 2.03 METAL PIPE AND FITTINGS
- BRASS PIPE SHALL BE 85 PERCENT RED BRASS, ANSI, IPS STANDARD 125 POUNDS, SCHEDULE 40 SCREWED PIPE.
- C. COPPER PIPE SHALL BE "HARD" TYPE K OR AS NOTED ON THE DRAWING LEGEND OR DETAILS.
- D. COPPER FITTINGS SHALL BE SOLDERED TYPE.

2.04 PLASTIC PIPE AND FITTINGS

- A. PIPE SHALL BE MARKED CONTINUOUSLY WITH MANUFACTURER'S NAME, NOMINAL PIPE SIZE, SCHEDULE OR CLASS, PVC TYPE AND GRADE, NATIONAL SANITATION FOUNDATION APPROVAL COMMERCIAL STANDARDS DESIGNATION, AND DATE OF EXTRUSION
- ALL PLASTIC PIPE SHALL BE EXTRUDED OF AN IMPROVED PVC VIRGIN PIPE COMPOUND IN ACCORDANCE WITH ASTM D2241 OR ASTM D1784.
- ALL PVC FITTINGS SHALL BE STANDARD WEIGHT SCHEDULE 40 AND SHALL BE INJECTION MOLDED ALL PVC HINNES SHALL BE STANDARD REGIST SCHEDULE AD AND SHALL BE INVESTIGATION MOLDED OF AN IMPROVED VIGION PVC FITTING COMPOUND. SUP PVC FITTINGS SHALL BE THE "DEEP SOCKET BRACKETED TYPE. THERABED PLASTIC FITTINGS SHALL BE INVECTION MOLDED ALL TEES AND ELLS SHALL BE SIDE GATED. ALL FITTINGS SHALL CONFORM TO ASTIN DAZ466.
- ALL THREADED NIPPLES SHALL BE STANDARD WEIGHT SCHEDULE 8D WITH MOLDED THREADS
- ALL SOLVENT CEMENTING OF PLASTIC PIPE AND FITTINGS SHALL BE A TWO-STEP PROCESS, USING PRIMER AND SOLVENT CEMENT APPLIED PER THE MANUFACTURER'S RECOMMENDATIONS. CEMENT SHALL BE OF A FLUID CONSISTENCY, NOT GEL-LIKE OR ROPY. SOLVENT CEMENTING SHALL BE IN CONFORMANCE WITH ASTM 02554 AND ASTM D2855.

F. WHEN CONNECTION IS PLASTIC TO METAL, FEMALE ADAPTERS SHALL BE HAND TIGHTENED. PLUS ONE TURN WITH A STRAP WRENCH JOINT COMPOUND SHALL BE NON-LEAD BASE TEFLON PASTE, TAPE, OR EQUAL.

ZEPHYR

Gensler

225 Broadway Suite 1600 San Diego, CA 92101 Tel 619.557.2500 Fax 619.557.2520



Carson Douglas Landscape A 4407 Orchard Ave

2019.02.01 100% SCHEMATIC PACKAGE

2019.05.31 SUBTERRANEAN BLDG PERMI 2010 07 26 SUBTERPANEAN BLOG PERMI

2019.08.23 GMP ISSUE 2019.08.29 BALANCE OF WORK PERMIT

2019.12.20 SUBTERRANEAN BUILDING PERMIT 2020.2.12 PLANNING & FIRE CHECK

2020.3.25 BALANCE OF WORK PERMIT -SUBMITTAL 2 2020.3.30 ADDENDUM PE - BALANCE OF WORK

2020 12 17 BALANCE OF WORK- SUBMITT 2021.5.21 2021.6.11 IFC / DELTA 10 2021.7.23 BULLETIN 1



Solana 101

Underground Service Alert Call: TOLL FREE
1-800
227-2600 Project Number 16-035

LANDSCAPE IRRIGATION SPECIFICATIONS

IRRIGATION SPECIFICATIONS

PART II - MATERIALS (CONT.)

- 2.05 BACKFLOW PREVENTION UNITS
- THE BACKFLOW PREVENTION UNIT SHALL BE OF THE MANUFACTURER, SIZE, AND TYPE INDICATED ON THE DRAWNICS
- THE BACKFLOW PREVENTION UNIT SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH BY LOCAL CODES.
- C. THE BACKFLOW PREVENTION ASSEMBLY SHALL CONSIST OF BRASS PIPING, UNIONS AND FITTINGS
- 2.06 VALVES

- GATE VALVES:
 GATE VALVES SHALL BE OF THE MANUFACTURER, SIZE, AND TYPE INDICATED ON THE DRAWINGS,
 GATE VALVES SHALL BE CONSTRUCTED OF A BRONZE BODY, BOWNET AND DISC, AND A MALLEABLE
 IRON HANDWHELE, GATE VALVES SHALL HAVE THREADED CONNECTIONS.
 ALL CATE VALVES SHALL HAVE A MINIMUM WORKING PRESSURE OF NOT LESS THAN 150 PSI AND
 SHALL CONFORM TO AWWA STANDARDS.
- B BALL VALVES:

 1. BALL VALVES SHALL BE OF THE MANUFACTURER, SIZE, AND TYPE INDICATED ON THE DRAWINGS.

 2. BALL VALVES SHALL BE CONSTRUCTED OF A BRONZE BODY, STANLESS STEEL BALL AND STEW,
 MALLEABLE RON HANDLE BALL VALVES SHALL HAVE THREADED CONNECTIONS.

 3. ALL BALL VALVES SHALL HAVE A MINIMUM WORKING PRESSURE OF NOT LESS THAN 150 PSI AND SHALL
 CONFORM TO AWAA STANDARDS.
- C. QUICK COUPLER VALVES:
 1. QUICK COUPLER VALVES SHALL BE OF THE MANUFACTURER, SIZE, AND TYPE INDICATED ON THE
- DEADLY VALUES SHALL BE BASES WITH A WALL THICKNESS CUARANTEED TO WITHSTAND MOONEY VALUES SHALL BE BASES WITH A WALL THICKNESS CUARANTEED TO WITHSTAND MOONAL WORKING PRESSURE OF 150 PSI WITHOUT LEAKAGE VALUES SHALL HAVE FEMALE THREADS OFBINNE AT BASES WITH TWO-PIECE BOOK, VALUES SHALL HAVE FEMALE COUPLER REY, DESIGNED FOR THAT UPPOSES COUPLER REY IS INSTITUTED INTO VALVE AND A POSITING, WATRATION CONNICTION SHALL BE MADE BETWEEN THE COUPLER REY AND VALVE HAVE COVER SHALL BE THE LOCKNEST OFFE CONSTRUCTED OF BRASS WITH A RUBBERLUKE WINY.
- MNYL DUICK COMPLER COVER FOR RECLAIMED WATER DUICK COMPLER VALUES TO BE RURDLE IN COLOR WITH THE WORDS "WARNING-RECYCLED (RECLAIMED) WATER-DO MARKED ON LID FOR RECYCLED SYSTEM.
- AUTOMATIC CONTROL VALVES: AUTOMATIC CONTROL VALVES SHALL BE OF THE MANUFACTURER, SIZE, AND TYPE INDICATED ON THE
- DRAWINGS.
 AUTOMATIC CONTROL VALVES SHALL BE ELECTRICALLY OPERATED.
- ANTI-DRAIN VALVES SHALL BE OF THE MANUFACTURER, SIZE, AND TYPE INDICATED ON THE DRAWINGS MATT-DRAIN VALVES SHALL HAVE 18-B STAINLESS STEEL SPRINGS AND VALVE STEWS WITH BUNA-N
- SEALS.
 ANT-DRAIN VALVES WILL HAVE THREADED CONNECTIONS THE SIZE OF THE RISER OR PIPE THEY ARE
 TO BE INSTALLED ONTO, OR THE NEXT AVAILABLE SIZE. NO SUP CONNECTION ANTI-DRAIN VALVES
 ARE ALLOWED.
- A. VALVE BOXES SHALL BE FABRICATED FROM A DURABLE, WEATHER-RESISTANT PLASTIC MATERIAL RESISTANT TO SUNLIGHT AND CHEMICAL ACTION OF SOILS.
- B. THE VALVE BOX COVER SHALL BE GREEN IN COLOR AND SECURED WITH BOLTS.
- C. THE COVER AND BOX SHALL BE CAPABLE OF SUSTAINING A LOAD OF 1,500 POUNDS.
- D. VALVE BOX EXTENSIONS SHALL BE BY THE SAME MANUFACTURER AS THE VALVE BOX.
- E. AUTOMATIC CONTROL AND MASTER VALVE BOXES SHALL BE 16"X11"X12" RECTANGULAR SIZE. VALVE BOX COVERS SHALL BE "HEAT BERNDED" IN 2" HIGH LETTERS WITH EITHER "RCV" WITH THE VALVE IDENTRICATION NUMBERS OF "MCV".
- F. SPECIALITY "JUMBO" BOXES MAY BE INDICATED ON DRAWINGS AND SHALL BE 25"X15"X12" RECTANGULAR
- IRRIGATION CONTROLLER
- A. CONTROLLER SHALL BE OF THE MANUFACTURER, SIZE AND TYPE INDICATED ON THE DRAWINGS.
- B. THE CONTROLLER ENCLOSURE SHALL BE OF THE MANUFACTURER, SIZE AND TYPE INDICATED ON THE DRAWINGS. THE ENCLOSURE SHALL ALSO ENCLOSE THE CONTROLLER ELECTRICAL METER.
- THE CONTROLLER SHALL BE OF THE MANUFACTURER, SIZE AND TYPE REQUIRED BY THE CITY OF SOLANA
- ELECTRICAL
- A. ALL ELECTRICAL EQUIPMENT SHALL BE NEMA TYPE 3, WATERPROOFED FOR EXTERIOR INSTALLATIONS.
- B. ALL ELECTRICAL WORK SHALL CONFORM TO LOCAL CODES AND ORDINANCES.
- 2.10 LOW VOLTAGE CONTROL WRING
- A. REMOTE CONTROL WIRE SHALL BE DIRECT—BURIAL AWG—UF TYPE, SIZE AS INDICATED ON THE DRAWNGS, AND IN NO CASE SMALLER THAN 14 GAUGE.
- B. CONNECTIONS SHALL BE EITHER EPOXY-SEALED PACKET TYPE OR PENN-TITE CONNECTORS. SPUCES ARE NOT ACCEPTABLE
- WRES SHALL BE RED (WHERE TWO OR MORE CONTROLLERS ARE USED). THE CONTROL WRES SHALL BE A DIFFERENT COLOR FOR EACH CONTROLLER.
- TWO ADDITIONAL WIRES SHALL BE RUN FROM THE CONTROLLERS TO THE LAST VALVE/VALVE MAINFOLD ON THE MARAINE AN ADDITIONAL TWO WRES SHALL BE RUN FOR EACH SPLIT IN THE MAINLINE A TRACER WIRE SHALL BE RUN ALONG THE STITRE LINGHT OF THE MAINLINE.
- E. GROUND WRES SHALL BE GREEN IN COLOR, AND IN NO CASE SMALLER THAN 6 GAUGE
- F. PROMDE A 24" LONG EXPANSION LOOP FOR ALL DIRECTIONAL CHANGES IN CONTROL WIRE ROUTING
- A. SPRINKLER HEADS SHALL BE OF THE MANUFACTURER SIZE, TYPE, WITH RADIUS OF THROW, OPERATING PRESSURE, AND DISCHARGE RATE INDICATED ON THE GRAWINGS
- B. POP-UP HEADS AND RISER HEADS SHALL BE USED AS INDICATED ON THE DRAWINGS

PART III - EXECUTION

- 3.01 SITE CONDITIONS
- INSPECTIONS.
 PRIOR TO ALL WORK OF THIS SECTION, CAREFULLY INSPECT THE INSTALLED WORK OF ALL OTHER TRADES AND VERIFY THAT ALL SUCH WORK IS COMPLETE TO THE POINT WHERE THIS INSTALLATION MAY PROPERLY COMMENCE.
 VERRY THAT RERGATION SYSTEM MAY BE INSTALLED IN STRICT ACCORDANCE WITH ALL PERTINENT CODES AND REGULATIONS, THE ORIGINAL DESIGN, THE REFERENCED STANDARDS, AND THE MANUFACTURER'S RECOMMENDATIONS.
- DISCREPANCIES:
 IN THE EVENT OF DISCREPANCY, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT OR OWNER'S
- AUTHORIZED REPRESENTATIVE.

 DO NOT PROCEED WITH INSTALLATION IN AREAS OF DISCREPANCY UNTIL ALL DISCREPANCIES HAVE BEEN
- GRADES
 BEFORE STARTING WORK, CAREFULLY CHECK ALL GRADES TO DETERMINE THAT WORK MAY SAFELY
 PROCEED, KEEPING WITHIN THE SPECIFIED MATERIAL DEPTHS WITH RESPECT TO THISH GRADE
 FINAL GRADES SHALL BE ACCEPTED BY THE ENGINEER BEFORE WORK ON THIS SECTION WILL BE ALLOWED
 TO BEGIN.
- TO BEON.

 TO BEON.

 THE FIELD MEASUREMENTS:

 MAKE ALL NECESSARY MEASUREMENTS IN THE FIELD TO ENSURE PRECISE FIT OF ITEMS IN ACCORDANCE WITH THE ORIGINAL DESIGN. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL IRRIGATION MATERIALS WITH ALL OTHER COORDINATE.
- 2. ALL SCALED DIMENSIONS ARE APPROXIMATE, THE CONTRACTOR SHALL CHECK AND VERIFY ALL SIZE DIMENSIONS PRIOR TO PROCEEDING WITH WORK UNDER THIS
- VERIFY ALL SIZE DIMENSIONS PRIOR TO PROCEEDING MITH THORY. SECTION.

 EXECUTION.

 EXERCISE EXTREME CARE IN EXCAVATING AND WORKING NEAR EXISTING UTILITIES.

 CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO UTILITIES WHICH ARE

 CAUSED BY HIS OPERATIONS NEGLECT
- DIAGRAMMAIN THE SENTIALLY DIAGRAMMATIC. THE SIZE AND LOCATION OF EQUIPMENT AND FIXTURES ARE DRAWN TO SCALE WHERE POSSIBLE. PROVIDE OFFSETS IN PIPING CHANGES IN EQUIPMENT LOCATIONS AS NECESSARY TO CONFORM WITH STRUCTURES AND TO AVOID OBSTRUCTIONS OR CONFLICTS WITH OTHER WORK AT NO ADDITIONAL EXPENSE TO OWNER.
- F. LAYOUT:

 1. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL STAKE OUT ALL PRESSURE SUPPLY LINES, ROUTING AND LOCATION OF SPRINKLER HEADS, VALVES, BACKFLOW PREVENTER, AND AUTOMATIC CONTROLLER.

 2. LAYOUT IRRIGATION SYSTEM AND MAKE MINOR ADJUSTMENTS REQUIRED DUE TO DIFFERENCES BETWEEN SITE AND DRAWINGS. WHERE PIPPING IS SHOWN ON DRAWINGS UNDER PAYED AREAS, BUT RUNNING PARALLEL AND ADJACENT TO PLANTED AREAS, INSTALL THE PIPPING IN THE PLANTED AREAS.

- ELECTRICAL SERVICE:
 CONNECTIONS TO THE ELECTRICAL SUPPLY SHALL BE AT THE LOCATIONS SHOWN ON
 THE DRAWNOS. MINOR CHANGES CAUSED BY SITE CONDITIONS SHALL BE MADE
 AT NO ADDITIONAL EXPENSE TO OWNER.
 CONTRACTOR SHALL MAKE 120 VOLT CONNECTION TO THE IRRIGATION CONTROLLERS.
 ELECTRICAL POWER SOURCE TO CONTROLLER LOCATIONS SHALL BE PROVIDED
- 3.02
- A EXCAVATIONS SHALL BE STRAIGHT WITH VERTICAL SIDES, EVEN GRADE, AND SUPPORT PIPE CONTINUOUSLY ON BOTTOM OF TRENCH TRENCHING EXCAVATION SHALL FOLLOW LAYOUT INDICATED ON DRAWINGS TO THE DEPTH'S BELOW HINSHED GRADE AND AS NOTED. WHERE LINES OCCUR UNDER PAVED AREA, THESE DIMENSIONS SHALL BE CONSIDERED BELOW SUBGRADE.
- PROVIDE MINIMUM COVER OF 18 INCHES ON PRESSURE SUPPLY LINES 2 1/2 INCHES AND SMALLER. PROVIDE MINIMUM COVER OF 24 INCHES ON PRESSURE SUPPLY LINES 3 INCHES, AND 36 INCHES OF COVER ON PRESSURE SUPPLY LINES 4 INCH AND LARGER.
- C. PROVIDE MINIMUM COVER OF 18 INCHES FOR CONTROL WIRES.
- PROVIDE MINIMUM COVER OF 12 INCHES FOR NON-PRESSURE LINES.
- PIPES INSTALLED IN A COMMON TRENCH SHALL HAVE A 4 INCH MINIMUM SPACE PROVIDE SAND BACKFILL A MINIMUM OF 4 INCHES OVER AND UNDER ALL MAINLINE

- A. BACKFILL MATERIAL ON ALL LINES SHALL BE THE SAME AS ADJACENT SOIL FREE OF DEBRIS, LITTER, AND ROCKS OVER 1/2 INCH IN DIAMETER.
- BACKFILL SHALL BE TAMPED IN 4-INCH LAYERS UNDER THE PIPE AND UNFORMLY ON BOTH SIDES FOR THE FULL WIDTH OF THE TRENCH AND THE FULL LENGTH OF THE PIPE. BACKFILL MATERIALS SHALL BE SUFFCIENTLY DAMP TO PERMIT THOROUGH COMPACTION, FREE OF VOIDS. BACKFILL SHALL BE COMPACTED TO DRY DENSITY EOUAL TO ADJACENT UNDISTURBED SOIL AND SHALL CONFORM TO ADJACENT GRADES.
- C. FLOODING IN LIEU OF TAMPING IS NOT ALLOWED.
- UNDER NO CIRCUMSTANCES SHALL TRUCK WHEELS BE USED TO COMPACT BACKFILL. PROVIDE SAND BACKFILL A MINIMUM OF 6 INCHES OVER AND UNDER ALL PIPING UNDER PAYED AREAS.

- PIPING UNDER EXISTING PAYEMENT MAY BE INSTALLED BY JACKING, BORING, OR HYDRAULIC DRIVING. NO A SPRINKLER HEADS SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS. HYDRAULIC DRIVING IS PERMITTED UNDER ASPHALT PAYEMENT.
- CUTTING OR BREAKING OF EXISTING PAVEMENT IS NOT PERMITTED
- CAREFULLY INSPECT ALL PIPE AND FITTINGS BEFORE INSTALLATION, REMOVING DIRT, SCALE, BURRS REAMING INSTALL PIPE WITH ALL MARKINGS UP FOR VISUAL INSPECTION AND VERIFICATION
- REMOVE ALL DENTED AND DAMAGED PIPE SECTIONS.
- ALL LINES SHALL HAVE A MINIMUM CLEARANCE OF 6 INCHES FROM EACH OTHER AND 12 INCHES FROM LINES OF OTHER TRADES.
- PARALLEL LINES SHALL NOT BE INSTALLED DIRECTLY OVER EACH OTHER.
- IN SOLVENT WELDING, USE ONLY THE SPECIFIED PRIMER AND SOLVENT CEMENT AND MAKE ALL JOINTS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED WETHODS INCLUDING WIPING ALL EXCESS SOLVENT FROM EACH WELD. ALLOW SOLVENT WELDS AT LEAST 15 MINUTES SETUP TIME BEFORE MOWING OR HANDLING AND 24 HOURS CURRING TIME BEFORE FILLING.
- PVC PIPE SHALL BE INSTALLED IN A MANNER WHICH WILL PROVIDE FOR EXPANSION CONTRACTION AS RECOMMENDED BY THE PIPE MANUFACTURER.
- CENTERLOAD ALL PLASTIC PIPE PRIOR TO PRESSURE TESTING
- ALL THREADED PLASTIC-TO-PLASTIC CONNECTIONS SHALL BE ASSEMBLED USING TEFLON TAPE OR TEFLON PASTE
- FOR PLASTIC-TO-METAL CONNECTIONS, WORK THE METAL CORNECTIONS FIRST. USE A NON-HARDENING PIPE DOPE AN ALL THREADED PLASTIC-TO-METAL CONNECTIONS, EXCEPT WHERE NOTED OTHERWISE. ALL A LASTIC-TO-METAL CONNECTIONS SHALL BE MADE WITH PLASTIC FEMALE ADAPTEE.
- ALL CONNECTIONS BETWEEN PVC LATERAL LINES SHALL BE MADE USING SCH. 40 PVC FITTINGS WITH COMPRESSION ADAPTERS: ALL CONNECTIONS BETWEEN DRIPPERLINES TO BE MADE USING COMPRESSION FITTINGS OF MANUFACTURER OF THE DRIPPERLINE. USE NO PIPE DOPE, TEFLON TAPE, PRIMER OR SOLIENT COLUENT ON COMPRESSION FITTINGS.
- THE EXACT LOCATION OF THE CONTROLLER SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE BEFORE INSTALLATION. THE ELECTRICAL SERVICE SHALL BE COORDINATED WITH THIS LOCATION.
- B. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL ELECTRICAL HOOK UP TO
- THE IRRIGATION SYSTEM SHALL BE PROGRAMMED TO OPERATE DURING THE PERIODS OF MINIMAL USE OF THE RESIGN AREA
- INSTALL CONTROLLER ENCLOSURE AS RECOMMENDED BY THE MANUFACTURER.
- CONTROL WRING
- LOW VOLTAGE CONTROL WRING SHALL OCCUPY THE SAME TRENCH AND SHALL BE INSTALLED ALONG THE SAME ROUTE AS THE PRESSURE SUPPLY LINES WHENEVER POSSIBLE.
- WHERE MORE THAN ONE WIRE IS PLACED IN A TRENCH, THE WIRING SHALL BE TAPED TOGETHER IN A BUNDLE AT INTERVALS OF 10 FEET. BUNDLE SHALL BE SECURED TO THE MAINLINE WITH TAPE AT
- ALL CONNECTIONS SHALL BE OF AN APPROVED TYPE AND SHALL OCCUR IN A VALVE BOX. PROVIDE AN 18 INCH SERVICE LOOP AT EACH CONNECTION.
- AN EXPANSION LODP OF 12 INCHES SHALL BE PROVIDED AT EACH WIRE CONNECTION AND/OR DIRECTIONAL CHANGE, AND ONE OF 24 INCHES SHALL BE PROVIDED AT EACH REMOTE CONTROL VALVE.

- VALVE SHALL BE INSTALLED IN SHRUB AREAS WHENEVER POSSIBLE. C. INSTALL ALL VALVES AS INDICATED IN THE DETAIL DRAWINGS.
- D. VALVES TO BE INSTALLED IN VALVE BOXES SHALL BE INSTALLED ONE VALVE PER BOX.
- 3.08 VALVE BOXES
- A VALVE BOXES SHALL BE INSTALLED IN SHRUB AREAS WHENEVER POSSIBLE.
- EACH VALVE BOX SHALL BE INSTALLED ON A FOUNDATION OF 3/4 INCH GRAVEL BACKFIL, 2 CUBIC FEET MINIMUM. VALVE BOXES SHALL BE INSTALLED WITH THOR TOPS 1/2 INCH ABOVE THE SURFACE OF SURROUNDING FINISH GRADE IN LAWN AREAS AND 3 INCHES ABOVE FINISH GRADE IN GROUND COVER AREAS.
- 3.09 BACKFLOW PREVENTERS
- A. INSTALL BACKFLOW PREVENTER UNIT AS INDICATED IN THE DETAIL DRAWINGS.
- INSTALL BACKFLOW ASSEMBLIES AT LOCATIONS APPROVED IN THE FIELD AND AT HEIGHT REQUIRED BY
- INSTALL WYE STRAINERS AND PRESSURE REGULATORS ON THE BACKFLOW ASSEMBLY
- INSTALL BACKFLOW ENCLOSURE AS RECOMMENDED BY THE MANUFACTURER

- SPACING OF HEADS SHALL NOT EXCEED MAXIMUM INDICATED ON THE DRAWINGS
- RISER NIPPLES SHALL BE OF THE SAME SIZE AS THE RISER OPENING IN THE SPRINKLER BOD POP-UP SPRINKLER HEADS SHALL NOT BE INSTALLED LISING SIDE OUTLET OPENINGS.

- INSTALL ALL ASSEMBLIES SPECIFIED HEREIN ACCORDING TO THE RESPECTIVE DETAIL DRAWINGS OR SPECIFICATIONS. USING BEST STANDARD PRACTICES.
- QUICK COUPLER VALVES SHALL BE SET APPROXIMATELY 12 INCHES FROM WALKS, CURBS, HEADER BOARDS, OR PAVED AREAS WHERE APPLICABLE.
- UNLESS DESIGNED AS AN INTEGRAL PART OF THE IRRIGATION HEAD, ANTI-DRAIN VALVES WILL BE INSTALLED UNDER EVERY HEAD. THE ANTI-DRAIN VALVE WILL BE THE SAME DIAMETER AS THE RISER AND BE INTEGRAL TO THE RISER ASSEMBLY.
- INSTALL RAIN SENSOR AS INDICATED ON THE DRAWINGS AND AS RECOMMENDED BY THE MANUFACTURER.
- 3.12 FLUSHING THE SYSTEM
- PRIOR TO INSTALLATION OF SPRINKLER NOZZLES, THE VALVES SHALL BE OPENED AND A FULL HEAD OF WATER USED TO FLUSH OUT THE LINES AND RISERS.
- SPRINKLER NOZZLES SHALL BE INSTALLED AFTER FLUSHING THE SYSTEM HAS BEEN COMPLETED.
- ADJUSTING THE SYSTEM
- CONTRACTOR SHALL ADJUST VALVES, ALIGN HEADS, AND CHECK COVERAGE OF EACH SYSTEM PRIOR TO COVERAGE TEST.
- IF IT IS DETERMINED BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE THAT ADDITIONAL ADJUSTMENTS OR NOZZE CHANGES WILL BE REQUIRED TO PROVIDE PROPER COVERAGE. ALL NECESSARY CHANGES OR ADJUSTMENTS SHALL BE MADE PRIOR TO ANY PENATTHING.
- THE ENTIRE SYSTEM SHALL BE OPERATING PROPERLY BEFORE ANY PLANTING OPERATIONS COMMENCE.
- AUTOMATIC CONTROL VALVES ARE TO BE ADJUSTED SO THAT THE SPRINKLER HEADS OPERATE AT THE PRESSURE RECOMMENDED BY THE MANUFACTURER.
 - TESTING AND OBSERVATION

- WHEN THE SPRINKLER SYSTEM IS COMPLETED, THE CONTRACTOR SHALL PERFORM A COVERAGE TEST OF EACH SYSTEM IN ITS DITRETY TO DETERMINE IF THE WATER COVERAGE FOR THE PLANTED AREAS IS COMPLETE AND ADEQUATE IN THE PRESENCE OF THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK REQUIRED TO CORRECT ANY INADEQUACES OF COVERAGE DUE TO DEMAINOUS FROM THE PLANS, OR WHITE THE SYSTEM HAS BEEN MULFULLY INSTALLED AS INDICATED ON THE DRAWNOS WHEN IT IS OBMOUSLY NIADCOURTE, WITHOUT ERRICORD THIS TEST SHALL BE ACCEPTED BY THE LANDSCAPE ARCHITECT. AND ACCOMPLISHED BEFORE STARTING ANY PLANTING.
- FINAL INSPECTION WILL NOT COMMENCE WITHOUT RECORD DRAWINGS AS PREPARED BY THE IRRIGATION CONTRACTOR

3.15 MAINTENANCE

during the maintenance period the contractor shall adjust and maintain the rrigation system in A fully operational condition providing complete irrigation coverage to all intended plantings.

CLEAN-UP SHALL BE MADE AS EACH PORTION OF THE WORK PROGRESSES. REFUSE AND EXCESS DIRT SHALL BE REMOVED FROM THE SITE, ALL WALKS AND PANING SHALL BE BROOMED, AND ANY DAMAGE SUSTAINED ON THE WORK OF OTHERS SHALL BE REPARED TO GRIENAL CONDITIONAL. END OF SECTION

ZEPHYR

Gensler

225 Broadway Suite 1600 San Diego, CA 92101 United States Tel 619.557.2500 Fax 619.557.2520



2019.02.01 100% SCHEMATIC PACKAGE 2019.05.31 SUBTERRANEAN BLDG PERMI 2019 07 26 SUBTERBANEAN BLOG PERMIT

2019 08 23 GMP ISSUE 2019.08.29 BALANCE OF WORK PERMIT-

2020.2.12 PLANNING & FIRE CHECK 2020,3.25 BALANCE OF WORK PERMIT-SUBMITTAL 2

2020 3.30 ADDENDUM PE - BALANCE OF 2020.12.17 BALANCE OF WORK- SUBMITT

2019.12.20 SUBTERRANEAN BUILDING

2021.5.21 IFC 2021.6.11 IFC / DELTA 10 2021.7.23 BULLETIN 1

Seal/Signature

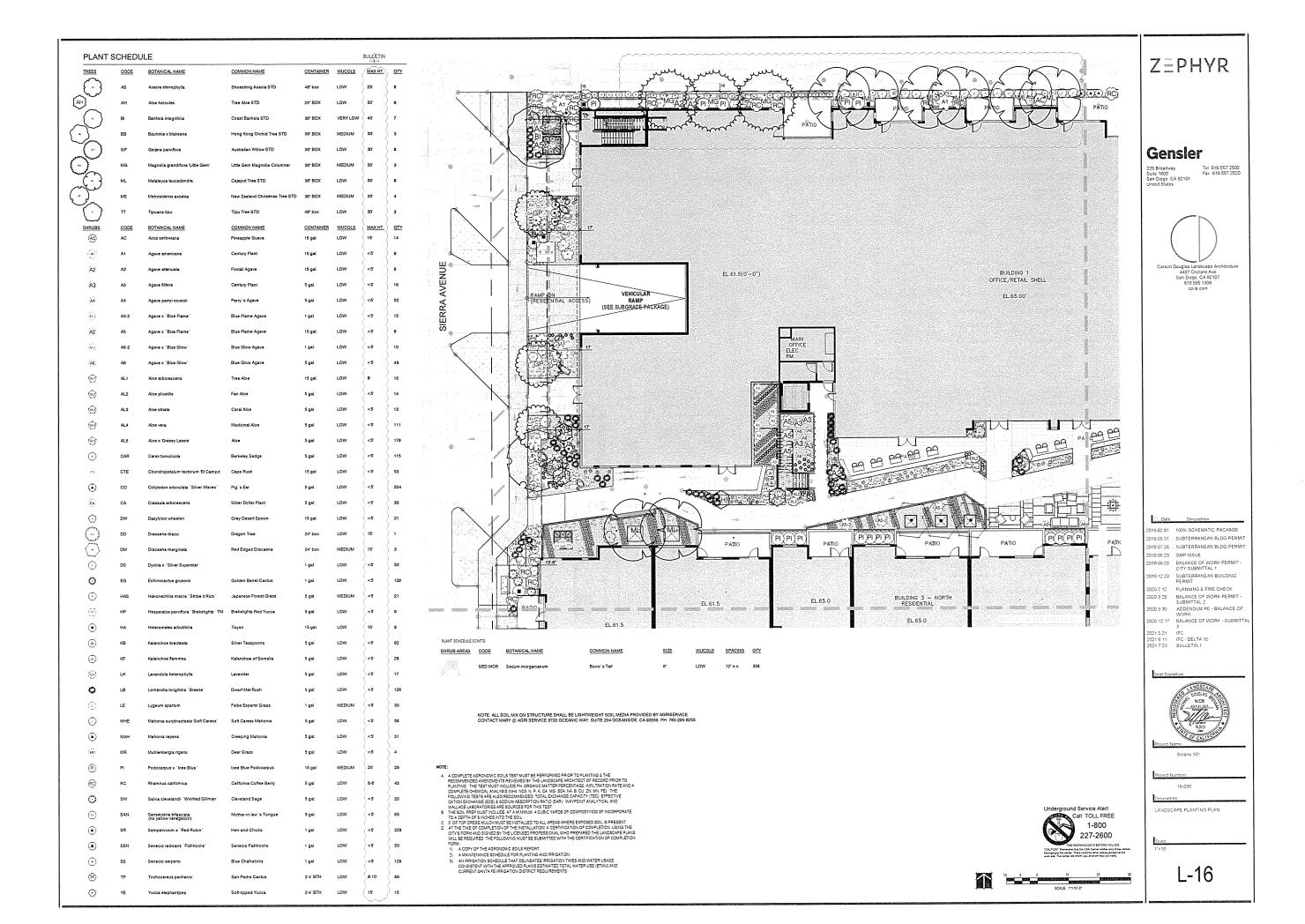
Solana 101

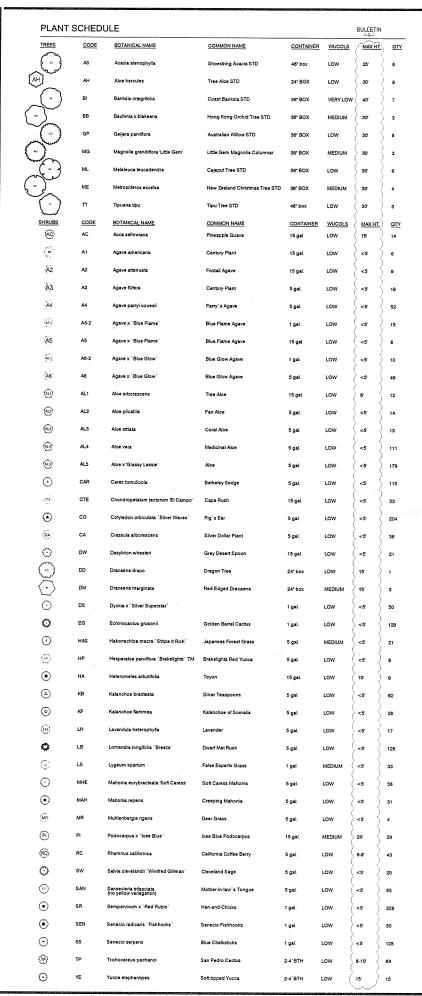
Project Number 16-036

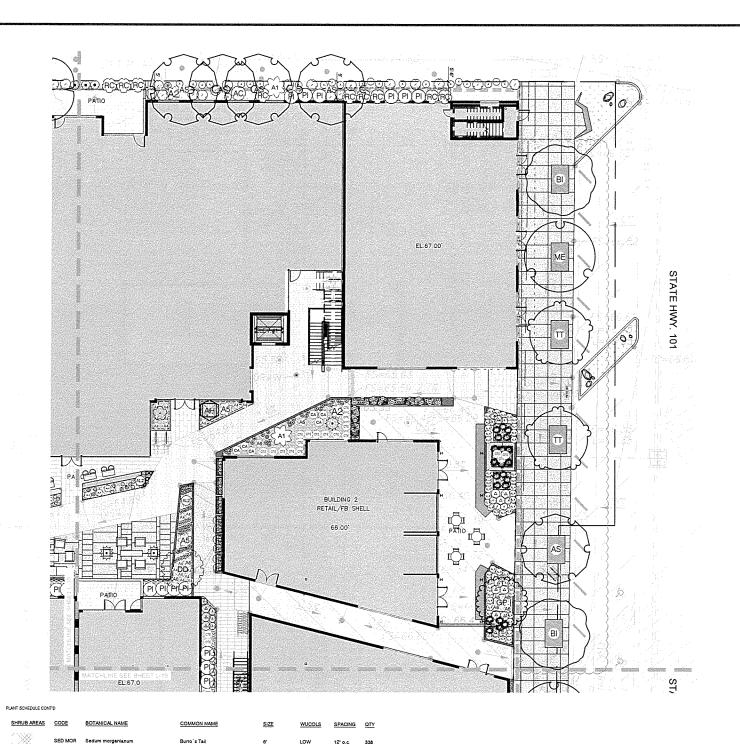
LANDSCAPE IRRIGATION SPECIFICATIONS

Call: TOLL FREE 1-800 227-2600

Underground Service Alert







NOTE: ALL SOIL MIX ON STRUCTURE SHALL BE LIGHTWEIGHT SOIL MEDIA PROVIDED BY AGRISERVICE CONTACT MARY @ AGRI SERVICE 3720 OCEANIC WAY, SUITE 204 OCEANSIDE, CA 92056, PH. 760-295-025

- A COUPLETE AGRONOMO SOLIC TEST MUST BE PERFORMED PRIOR TO PLANTING A THE
 RECOMMENCED AMBIONISHITS REVIEWED BY THE LANDSCAPE ARCHITECT OF RECORD PRIOR TO
 PLANTING THE TEST MUST KNULDE EN ORGANIC MAITTER PERSONAGE IRRITATION PATE AND A
 COMPLETE CHEMICAL ANALYSIS (PINH NOS). N.P. N. CA. MG. SOL NIA. B. CU. ZIN, MM. FEI, THE
 FOLLOWING TESTS AREA AS DECOMMENDED TOTAL EXCHANGE CHAPACHY (TIEC). FETTE
 CATION EXCHANGE (ESC) & SODIUM ASSORPTION PARTIO (SAR). WAYPOINT ANALYTICAL AND
 WALLACE LABORATORIES ARE SOURCES FOR THE TEST. STEET
 B. THE SOLI, PARE MUST INCLUDE, AT A MINIMUM A CURIC VARIOR OF COMPOSITIONO SPINCORPORATIE
 C. 3"LOT FOR DESSES MULICAL MISTER INSTALLATION. A CERTIFICATION OF COMPLETION. USING THE
 COTYS FORM AND SIGNED BY THE CURSIES PROFESSIONAL WAYPORTED THE TOTY SO THE MUST INCLUDE THE DISTALLATION. A CERTIFICATION OF COMPLETION. USING THE
 COTYS FORM AND SIGNED BY THE CURSIES PROFESSIONAL WAYPORTAGE THE THE THE FOLLOWING MUST BE SUBMITTED WITH THE CERTIFICATION OF COMPLETION FORM.

 WILL BE REQUIRED THE FOLLOWING MUST BE SUBMITTED WITH THE CERTIFICATION OF COMPLETION FORM.

- JRM

 A COPY OF THE AGRONOMIC SOILS REPORT

 A MAINTENANCE SCHEDULE FOR PLATING AND IRRIGATION

 A MAINTENANCE SCHEDULE FOR PLATING AND IRRIGATION

 AN IRRIGATION SCHEDULE THAT DELINEATES IRRIGATION TIMES AND WATER USAGE

 CONSISTENT WITH THE APPROVED PLAYS ESTIMATED TOTAL WATER USE (ETWU) AND

 CURRENT SANTAF RIRIGATION DETAITOR TECHNICAPIENT

 CURRENT SANTAF RIRIGATION DETAITOR TECHNICAPIENT

 AND THE PROVENTION OF THE PROVENTIO





ZEPHYR

Gensler

225 Broadway Suite 1600 San Diego, CA 92101 United States



2019.02.01 100% SCHEMATIC PACKAGE 2019 05:31 SUBTERRANEAN BLDG PERMIT 2019 07:26 SUBTERRANEAN BLDG PERMIT

2019 08:23 GMP ISSUE

2019 08:29 BALANCE OF WORK PERMIT-CITY SUBMITTAL 1 2019 12:20 SUBTERRANEAN BUILDING PERMIT 020 2 12 PLANNING & FIRE CHECK

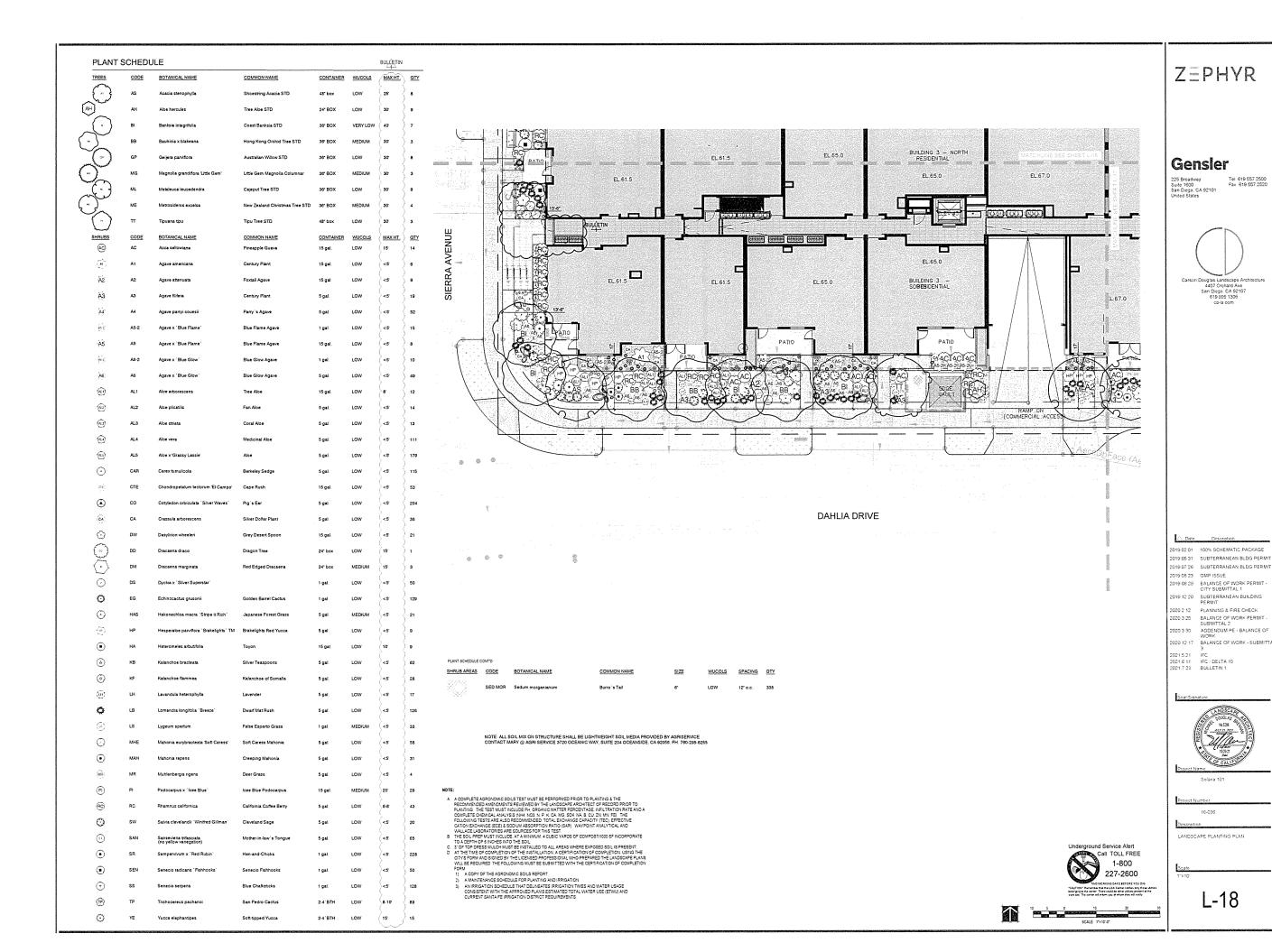
020.3.30 ADDENDUM PE - BALANCE OF WORK BALANCE OF WORK - SUBMITT

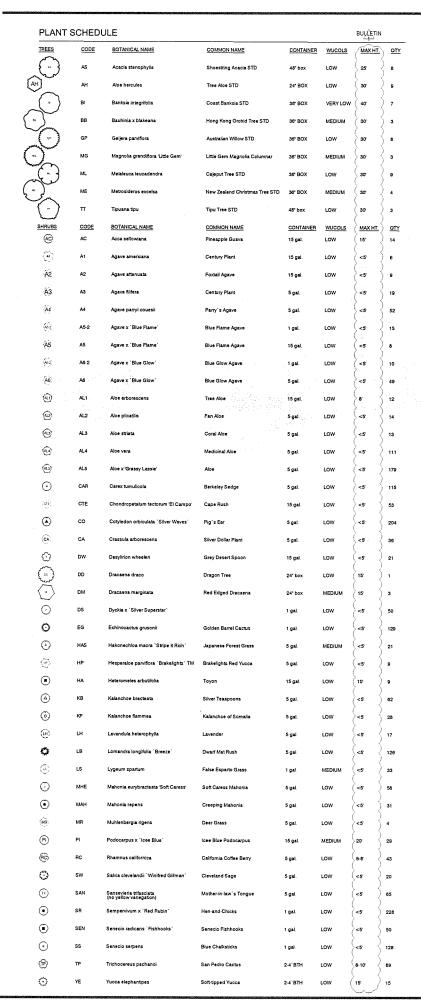
2021.5.21 IFC 2021.6.11 IFC / DELTA 10 2021.7.23 BULLETIN 1

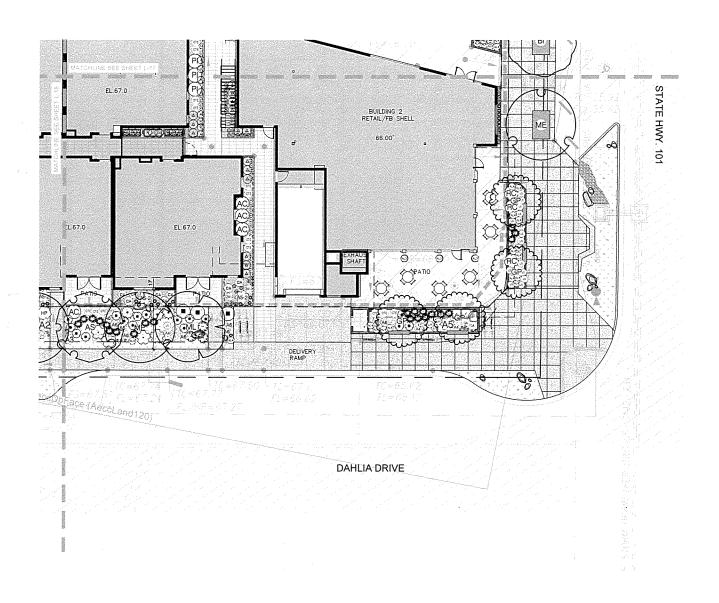


16-036

LANDSCAPE PLANTING PLAN







PLANT SCHEDURE CONTO

SHRUB AREAS CODE BOTANICAL NAME COMMON NAME SIZE WUCOLS SPACING QTY 12° o.c. 338

- NOTE:

 A COMPLETE AGRONOMIC SOILS TEST MUST SE PERFORMED PRIOR TO PLANTING & THE
 RECOMMENCES AMENOMENTS REVIEWED BY THE LANDSCAPE ARCHITECT OF RECORD PRIOR TO
 PLANTING. THE TEST MUST INCLUDE HY GROWNG MATTER PERCENTIAGE. INFLITATION RATE AND A
 COMPLETE CHEMICAL ANALYSIS OF HIGH MIST AND A COMPLETE CHEMICAL SIZE AND A
 COMPLETE CHEMICAL ANALYSIS RECOMMENDED TOTAL EXCHANGE CAPACITY (TEC) EFFECTIVE
 FOLLOWING TESTS ARE ASSO RECOMMENDED TOTAL EXCHANGE CAPACITY (TEC) EFFECTIVE
 VALUEZ LANDSCAFE COMPLETE OF THE SIZE AND ANALYSIS OF COMPOSTITION STRUCTURE. AND
 VALUEZ LANDSCAFE COMPLETE OF THE SIZE AND ANALYSIS OF COMPOSTITION STRUCTURE. AND
 TOTAL SIZE AND ANALYSIS OF THE LICENSEED PROFESSIONAL WHO PREPARED THE LANDSCAFE PLANS
 WILL BE RECOMPLETED THE PLANTING MIST HE SUMMENDED THE LANDSCAFE PLANS
 WILL BE RECOMPLETED THE PLANTING MIST HE SUMMEND WILL BE RECOMPLETED THE CHAMBORARE PLANS
 WILL BE RECOMPLETED THE PLANTING MIST HE SUMMEND WILL BE RECOMPLETED THE CHAMBORARE PLANS
 WILL BE RECOMPLETED THE FOLLOWING MUST BE SUBMITTED WITH THE CERTIFICATION OF COMPLETION OF
 FORM.

 1) A COPY OF THE AGRONOMIC SOILS REPORT

- AW

 A COPY OF THE AGRONOMIC SOLLS REPORT

 A MARITEWAYE SCHEDULE FOR PLANTING AND IRRIGATION

 A MARITEWAY SCHEDULE THAT DELIVERATES IRRIGATION TIMES AND WATER USAGE
 COM-SISTEMT WITH THE AFRONOMED PLANTS ESTIMATED TOTAL WATER USE (ETWA) AND
 CURRENT SAITAFE RIRIGATION DETRICET RESOLUTIONS.



Gensler

225 Broadway Suite 1600 San Diego, CA 92101 United States



2019.02.01 100% SCHEMATIC PACKAGE 2019 05:31 SUBTERRANEAN BLDG PERMIT

2019 07:26 SUBTERRANEAN BLDG PERMIT 2019.08.23 GMP ISSUE

2019 08:29 BALANCE OF WORK PERMIT -CITY SUBMITTAL 1

2019 12:20 SUBTERRANEAN BUILDING PERMIT

2020 2.12 PLANNING & FIRE CHECK

2020.3 25 BALANCE OF WORK PERMIT -SUBMITTAL 2

2020.3.30 ADDENDUM PE - BALANCE OF WORK

2020 12 17 BALANCE OF WORK - SUBMIT

2021.5.21 IFC 2021.6.11 IFC / DELTA 10 2021.7.23 BULLETIN 1



Solana 101

16-036

LANDSCAPE PLANTING PLAN





PLANTING AND SOIL SPECIFICATIONS

- 1. A. THE PLANTING PLAN IS DIAGRAMMATIC. ALL PLANT LOCATIONS ARE APPROXIMATE. PLANT SYMBOLS TAKE
- PRECEDENCE OVER PLANT QUANTITIES SPECIFIED. B. QUANTITIES SHOWN ON THE PLANTING PLAN ARE APPROXIMATE AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR
- C. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF THE DISCREPANCIES BETWEEN QUANTITIES AND SYMBOLS
- SHOWN.

 2. LANDS CAPE CONTRACTOR SHALL APPLY AN ORGANIC OR ALL NATURAL CONTACT HERBICIDE, WHERE WEEDS ARE PRESENT, PER MANUFACTURERS SPECIFICATIONS A MINIMUM OF TEN (10) DAYS PRIOR TO COMMENCEMENT OF ANY PLANTING OR IRRIGATION WORK. WEEDS SHALL BE ALLOWED TO COMPLETELY DIE BACK, INCLUDING THE ROOTS BEFORE PROCEEDING WITH WORK, AS AN ALTERNATIVE WEEDS MAY ALSO BE REMOYED MANUALLY FROM THE ROOTS.

 3. THE SOIL ANALYSIS REPORT DATED BRAINE PREPARED BY FALLBROOK AG-LABORATORY, INC. SHALL BE FOLLOWED AND ELIBEDEDE THE DEPONIMENDATIONS WEEDS.
- 3. THE SOIL ANALYSIS REPORT DATED 8/28/16 PREPARED BY FALLBROOK AGLABORATORY, INC. SHALL BE FOLLOWED AND SUPERSEDE THE RECOMMENDATIONS HEREIN.

 4. IMMEDIATELY FOLLOWING PLANTING, IRRIGATION SYSTEM SHALL BE FULLY OPERATIONAL AND PLANTING AREAS SHALL BE THOROUGHLY SOAKED.

 5. ALL AREAS TO BE PLANTED, WHICH HAVE A SLOPE OF LESS THAN 10%, SHALL BE CROSS-RIPPED TO A DEPTH OF SIX (6") INCHES AND THE FOLLOWING AMENDMENTS SPREAD EVENLY AND THOROUGHLY BLENDED IN (QUANTITIES AS PER SOIL ANALYSIS AND MANUFACTURER'S RECOMMENDATION:

 A. NITROGEN FORTIFIED REDWOOD SHAVINGS

 B. ORGANIC FERTILIZER PER MANUFACTURER'S RECOMMENDATIONS

 5. EACH PLANT SHALL RECEIVE ORGANIC FERTILIZER AS PER MANUFACTURER'S RECOMMENDATIONS FOR EACH PLANT TYPE AND SIZE

- TE AND SIZE.
 PLANT BACK FILL SHALL BE 50% SITE SOIL, AND 50% ORGANIC AMENDMENTS BY VOLUME.
 ALL PLANTING AREAS SHALL INCLUDE A MINIMUM OF FOUR (4)CUBIC YARDS OF COMPOST PER 1,000 SQ. FT. OF AREA TO A DEPTH OF SIX (6) INCHES
- A DEPTH OF SIX (6) INCHES

 9. PLANT PITS SHALL BE TWICE THE SIZE OF THE DESIGNATED NURSERY CONTAINER.

 10. PLANT MATERIAL SHALL NOT BE ROOT BOUND. FIVE GALLON PLANTS AND LARGER SHALL HAVE BEEN GROWN IN CONTAINERS FOR A MINIMUM OF 6 MONTH'S AND A MAXIMUM OF TWO YEARS.

 11. PLANTS SHALL EXHIBIT HEALTHY GROWTH AND BE FREE OF DISEASES AND PESTS.

- STAKE ALL TREES PER STANDARD DETAIL.
 REMOVE NURSERY STAKES ON ALL VINES AND ATTACH TO ADJACENT FENCES WITH GALV. NAILS AND GREEN NURSERY TAPE OR AS SHOWN IN DETAILS.
- REMOVE NURSERY STAKES AND TIES FROM ALL CONTAINER STOCK. MAINTAIN SIDE GROWTH ON ALL TREES.
- PLANTS SHALL NOT BE PLACED WITHIN TWELVE (12") INCHES OF SPRINKLER HEADS.
 SHRUBS SHOWN IN PLANT AREAS SHALL BE UNDER-PLANTED WITH GROUNDCOVER SHOWN BY ADJACENT SYMBOL, TO

- 16. SHRUBS SHOWN IN PLANT AREAS SHALL BE UNDER-PLANTED WITH GROUNDCOVER SHOWN BY ADJACENT SYMBOL, TO WITHIN 12" OF MAIN PLANT STEM.

 17. LANDSCAPE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 2% DRAINAGE AWAY FROM ALL BUILDINGS, STRUCTURES, AND WALLS. NUISANCE ROOKS SHALL BE REMOVED AND FINISHED GRADES SHALL BE SMOOTHED TO ELMINATE PUDDLING OR STANDING WATER POSITIVE SURFACE DRAINAGE SHALL BE PROVIDED AWAY FROM ALL BUILDINGS.

 18. FINISHED GRADES SHALL BE ONE (1) INCH SIELOW THE TOP OF CURRS, SILLS, AND WALKWAYS IN ALL AREAS. WHERE SOD IS LAID NEXT TO THESE MIRROVERS-FINISH GRADE BEFORE LAYING SOD SHALL BE 1-12" BELOW THE TOP.

 19. THE LANDSCAPE CONTRACTOR SHALL LEAVE SITE IN A CLEAN CONDITION, REMOVING ALL UNUSED MATERIAL, TRASH, AND TOOLS.

 20. LANDSCAPE CONTRACTOR SHALL MAINTAIN AND GUARANTEE ALL PLANTINGS FOR A PERIOD OF SIXTY (60) DAYS AFTER COMPLETION ALL AREAS SHALL BE KEPT CLEAN, WATERED, AND WEED FREE.

 21. AT COMPLETION OF ALL WORK OUTLINED IN THESE PLANS, THE LANDSCAPE CONTRACTOR SHALL CONTACT OWNER AND ARRANGE FOR A WALK THROUGHT OD BETERMINE THAT ALL ASPECTS OF WORK ARE COMPLETED. WORK MUST BE FULLLY COMPLETED ACCORDING TO ALL PLANS AND SPECIFICATIONS AND MUST BE COMPLETED IN A GOOD WORKMANSHIP MANNER AND MUST BE ACCEPTED BY THE OWNER IN WRITING PRIOR TO THE BEGINNING OF THE MAINTENANCE PERIOD.

 22. THE MAINTENANCE PERIOD SHALL INCLUDE THE FOLLOWING SCOPE OF WORK.
- A. DAILY WATERING OF ALL PLANT MATERIAL.

 B. WEEKLY MOWING OF ALL TURF AREAS.

- A DAILY WATERING OF ALL PLANT MATERIAL

 8 WEEKLY MOMMS OF ALL TURK REAS

 C WEEDING AND REMOVAL OF ALL WEEDS FROM GROUND COVER AREAS

 C WEEDING AND REMOVAL OF ALL WEEDS FROM GROUND COVER AREAS

 D. REPLACEMENT OF ANY DEAD, DYING, OR DAMAGED TREES, SHRUBS, OR GROUND COVERS

 E. FILLING AND REPLANTING OF ANY LOW AREAS WHICH MAY CAUSE STANDING WATER.

 F. ADJUSTING OF SPRINKLER HEAD HEIGHT AND WATERING SYSTEM.

 G. FILLING AND RECOMPACTION OF ERODED AREAS.

 H. WEEKLY REMOVAL OF ALL TRASH, LITTER, CLIPPINGS, AND ALL FOREIGN DEBRIS

 1. AT 120 DAYS AFTER PLANTING AND PRIOR TO THE END OF THE MAINTENANCE PERIOD, ORGANIC FERTILIZER SHALL BE
 APPLIED TO PLANTING AREAS AS PER MANUFACTURER'S RECOMMENDATIONS.

 23. PRIOR TO END OF MAINTENANCE PERIOD, LANDSCAPE CONTRACTOR SHALL CONTACT OWNER AND ARRANGE FOR A
 FINAL WALK THROUGH. OWNER MUST ACCEPT ALL MAINTAINED AREAS AS PER MANUFACTURER'S RECOMMENDATIONS.

 24. ALL GROUND COVERS SHALL BE GUARANTEED BY THE CONTRACTOR SHALL CONTACT OWNER AND ARRANGE FOR A
 FINAL WALK THROUGH. OWNER MUST ACCEPT ALL MAINTAINED AREAS IN WAITING PRIOR TO END OF MAINTENANCE PERIOD OF
 SIXTY (66) DAYS AFTER THE COMPLETION OF MAINTENANCE PERIOD ON DON'S AFTER THE COMPLETION OF MAINTENANCE PERIOD ON PRIVATE (96) DAYS AFTER THE COMPLETION OF MAINTENANCE PERIOD ON DIRAL ACCEPTANCE. ALL SHEMS SHALL BE
 GUARANTEED BY THE CONTRACTOR AS TO GROWTH AND HEALTH FOR A PERIOD OF NINETY (90) DAYS AFTER TO COMPLETION OF
 MAINTENANCE PERIOD AND FINAL ACCEPTANCE. ALL TREES SHALL BE GUARANTEED BY THE CONTRACTOR TO ILVE AND
 GROWIN AN ACCEPTABLE URRIGHT POSITION FOR A PERIOD OF ONE (1) YEAR AFTER COMPLETION OF THE SPECIFIED
 MAINTENANCE PERIOD AND FINAL ACCEPTANCE. ALL TREES SHALL BE
 GUARANTEED BY THE CONTRACTOR TO THE CONTRACTOR AS TO GROWTH AND HEALTH FOR A PERIOD OF RINETY (90) DAYS AFTER TO COMPLETION OF
 THE GUARANTEE REPLACEMENT SHALL BE MADE WITH PLANT MATERIALS, SANDON FAIL TO MEET THE REQUIREMENTS OF
 THE GUARANTEE REPLACEMENT SHALL BE MADE WITH PLANT MATERIALS, SHOULDED ON THE ORIGINAL
 PLANS, AND ALL SUCH REPLACEMENT SHALL B
- GUARANTEE.
 26 ALL MECHANICAL EQUIPMENT AND UTILITIES SHALL BE SCREENED BY PLANTING. IF NOT ALREADY INDICATED ON THE PLAN,
 ALLOW EIGHT 5-GALLON SHRUBS PER UTILITY TO BE PLACED DURING PLANT INSTALLATION AS NEEDED TO PROVIDE

GENERAL NOTES:

1. ALL BARE SOIL AREAS NOT SHOWN WITH COBBLE SHALL BE COVERED
WITH A'S LAKEY OF NATURAL SHREDDED BARK MULCH. SAMPLE SHALL BE
APPROVED BY LANDSCAPE ARCHITECT.

2. ALL TREES PLANTED WITHIN OR NEXT TO PEDESTRIAN AREAS SHALL BE
SOURCED WITH SCAFFOLD BRANCHES NO LOWER THAN 50° ABOVE
PEDESTRIAN PAVIOR FINISHED GRADE.

3. ALL PODIUM PLANTERS SHALL BE FILLED WITH AGRISERY/CE
USHTWEIGHT SOIL MIX INSTALLED PER SUPPLIERS SPECIFICATIONS.
CONTACT MARY MATAVA WITH AGRISERY/CE 760.255.0255

**ALL STREET TREES EN ALTER THAT WATH A TEN SERVICE TROUBED.

CONTACT MARY MATAVA WITH AGRISERVICE 750 255 5255
4. ALL STREET TREES PLANTED WITHIN TREE GRATES SHALL BE PROVIDED WITH STRUCTURAL SOIL WITHIN A 4 RADIUS OF EACH TREE AND A DEPTH EQUAL TO THE ROOT BALL INSTALL STRUCTURAL SOIL PER MAIUFACTURER SPECIFICATIONS.

MANUFACTURER SPECIFICATIONS.

5. ALL PLANT MATERIAL SIZE 15 GAL AND LARGER SHALL BE APPROVED BY PHOTO SUBMITTAL TO THE LANDSCAPE ARCHITECT.

6. ALL TRICHOCEREUS AND SIMILAR VERTICAL CACTI SHALL BE PROVIDED WITH TEMPORARY STAKING THROUGH THE ESTABLISHMENT PERIOD WITH I EMPORTED WITHIN S OF HARDSCAPE MUST BE INSTALLED WITH A ROOT BARRIER ALONG THE HARDSCAPE MUST BE INSTALLED WITH A ROOT BARRIER ALONG THE HARDSCAPE BODS FARMING OUT 5 IN SECHI DIRECTION FROM THE CENTER OF THE TREE FOR A TOTAL LENGTH OF 10 - REFER TO ROOT BARRIER DETAIL.

8. REFER TO DE DUNTING DETAILS & SPECIFICATIONS FOR PLANTING

INSTRUCTIONS

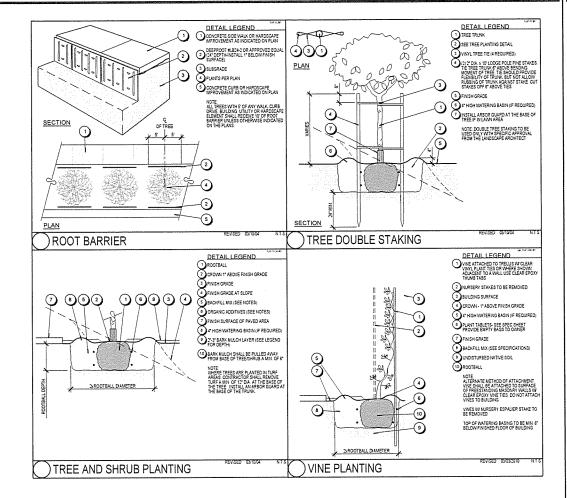
9. ALL LANDSCAPE AND IRRIGATION SHALL CONFORM TO THE STANDARDS
OF THE COUNTY-WIDE LANDSCAPE REQULATIONS AND THE CITY OF
SOLANA BEACH MUNICIPAL CODE ALONG WITH ALL OTHER APPLICABLE

SOLANA BEACH MUNICIPAL CODE ALONG WITH ALL OTHER APPLICABLE STANDARDS
10. CONTRACTOR SHALL ENSURE THAT ALL TREE LOGATIONS ARE SPOTTED PER LANDSCAPE ARCHITECTS SITE DIRECTION. TREE INSTALLATION SHALL ASO INCLUDE COORDINATION OF DELIVERY AND INSTALLATION SHALL ASO INCLUDE COORDINATION OF DELIVERY AND INCESSED OF THE PROPER DRAINAGE, AND STAKING PER STANDARD DETAIL.

11. FRING TO PLANTING, LANDSCAPE CONTRACTOR SHALL PROVIDE AN AGRICULTURAL SOILS ANALYSIS FROM ON-GRADE PLANTING AREAS OF THE SITE AND SHALL AMEND SOIL PER ANALYSIS RECOMMENDATIONS.
12. THE ENTIRE PROPERTY WILL BE PERMANENTLY MAINTAINED BY THE PROPERTY OWNER.

TREE SETBACKS
PROVIDE THE FOLLOW
AND ADJACENT PROPERTY LINE
ANY UTILITY
FIRE HYDRANT
STREET LIGHT STREET 15 FEET BIKE AND PEDESTRIAN AREAS 8 FEET

MAINTENANCE NOTE
OWNER SHALL BE RESPONSIBLE FOR PROPER MAINTENANCE OF THE
LANDSCAPE INCLUDING RIGHT OF WAY IN A HEALTHY DISEASE FREE





Gensler

225 Broadway Suste 1600 San Diego, CA 92101 United States



San Diego, CA 92107 619 995 1306

2019 08 29 BALANCE OF WORK PERMIT . CITY SUBMITTAL 1 2019 12 20 SUBTERRANEAN BUILDING PERMIT 2020 2 12 PLANNING & FIRE CHECK 2020 3 25 BALANCE OF WORK PERMIT -SUBMITTAL 2 2020 3 30 ADDENDUM PE - BALANCE OF WORK 2020 12 17 BALANCE OF WORK - SUBM 2021 5 21 IFC 2021 6 11 IFC / DELTA 10 2021.7.23 BULLETIN 1

19 02 01 100% SCHEMATIC PACKAGE

2019 05 31 SUBTERRANEAN BLDG PERMI 019 07 26 SUBTERRANEAN BLDG PERMI 019 08 23 GMP ISSUE



16-036

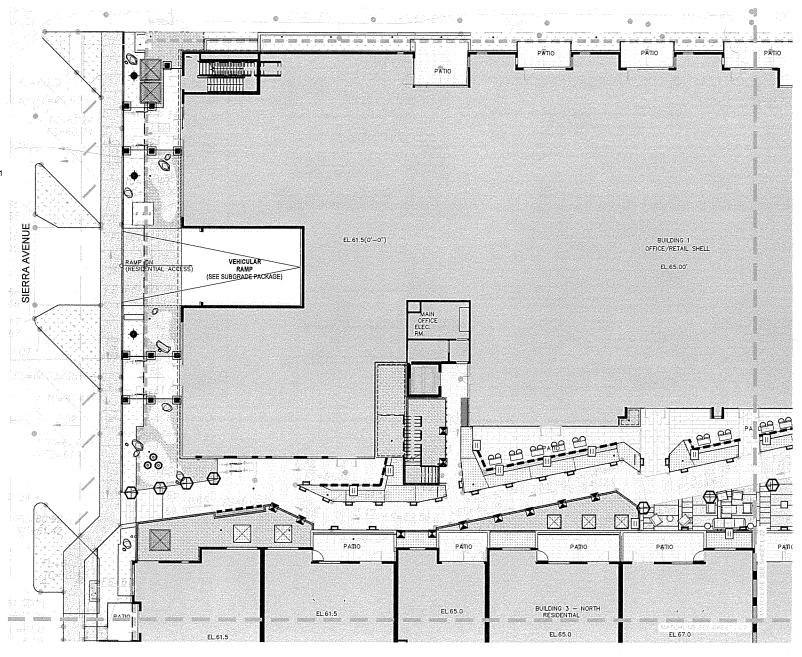
LANDSCAPE PLANTING DETAILS 1 NOTES



- (L4) BOLLARD LIGHT BEGA LIGHTING, MODEL # 84 602 BLACK FINISH
- (L5A) PATH LIGHT LUMIERE 303 B1 LED 120V T2 BRONZE FINISH
- (L5B) PATH LIGHT LUMIERE 303 B1 LED 120V T4 BRONZE FINISH
- (L6) WALL / PLANTER FLUSH MOUNT SPJ MSL2-12 MATTE BRONZE 120V
- (L7) ALLOY LED TAPE LIGHT
- (L8) PEDESTRIAN AREA TREE LIGHT HEVI LITE HL3682B BRONZE 8 LED E MF LA1 WITH TREE MOUNT SM-2-2X-2B B2
- DECORATIVE TREE PENDANT AURORALIGHT HDL-11-HL 12V
- SUGGESTED CONVENIENCE POWER LOCATION

NOTE:

- 1. EXTERIOR LIGHT POLLUTION MUST COMPLY WITH CGC SEC. 5.106.8.
- 2. CONCEPTUAL PLAN ONLY PHOTOMETRIC STUDY SHALL BE PERFORMED BY ARCHITECT. CONTACT TAZZ LIGHTING FOR SPEC BOOK, TRANSFORMER AND CONTROLLER INFORMATION.
- 3. ALL FIXTURES SHALL BE PROVIDED AT COLOR TEMPERATURE 2700. WRING DESIGN & TRANSFORMER SPECIFICATIONS BY OTHERS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE CORRECT TRANSFORMER FOR THE LIGHTING DEMAND AND CONCEALING TRANSFORMERS WITHIN THE LANDSCAPE OR IN A MECHANICAL ROOM(S) IN COORDINATION WITH THE DESIGN TEAM. LOW VOLTAGE FIXTURES SHALL INCLUDE TRANSFORMER(S) IN STAINLESS STEEL ENCLOSURE(S), WRING RUNS & TRANSFORMERS SHALL BE INSTALLED IN ACCORDANCE W/MANUFACTURER RECOMMENDATIONS. LINE VOLTAGE FIXTURES SHALL BE COORDINATED WITH MEP CONSULTANT.
- 4. ALL LIGHTING SHALL BE DOWN-SHIELDED TO THE MAXIMUM EXTENT FEASIBLE, OF LOW-INTENSITY, AND OBSCURED SO THAT NO DIRECT VIEW OF THE LIGHTING SOURCE IS POSSIBLE FROM ADJACENT PROPERTIES, RESIDENTIAL WINDOWS OR PUBLIC RIGHTS-OF-WAY.
- 5. ALL LIGHTS TO BE DIRECTED AT THE INTENDED SUBJECT OF ILLUMINATION SUCH AS SPECIMEN PLANT MATERIAL OR TREES, PATHWAYS OR LANDSCAPE FEATURE. NO UNSHIELDED UP LIGHTING SHALL BE PROVIDED.
- 6. REFER TO ARCHITECT'S PLANS FOR EXTERIOR ARCHITECTURAL LIGHTING.







ZEPHYR

Gensler



2019.02.01 100% SCHEMATIC PACKAGE 2019.05.31 SUBTERRANEAN BLDG PERMIT

2019 07 26 SUBTERBANEAN BLOG PERMIT 2019.08.23 GMP ISSUE

2019.08.29 BALANCE OF WORK PERMIT -CITY SUBMITTAL 1

019.12.20 SUBTERRANEAN BUILDING PERMIT

2020.2.12 PLANNING & FIRE CHECK

2020 3 25 BALANCE OF WORK PERMIT -SUBMITTAL 2

2020.3.30 ADDENDUM PE - BALANCE OF WORK

2020.12.17 BALANCE OF WORK -SUBMITTAL 3

\$UBMILITAL 5 2021.5.21 IFC : 2021.6.11 IFC / DELTA 10 2021.7.23 BULLETIN 1



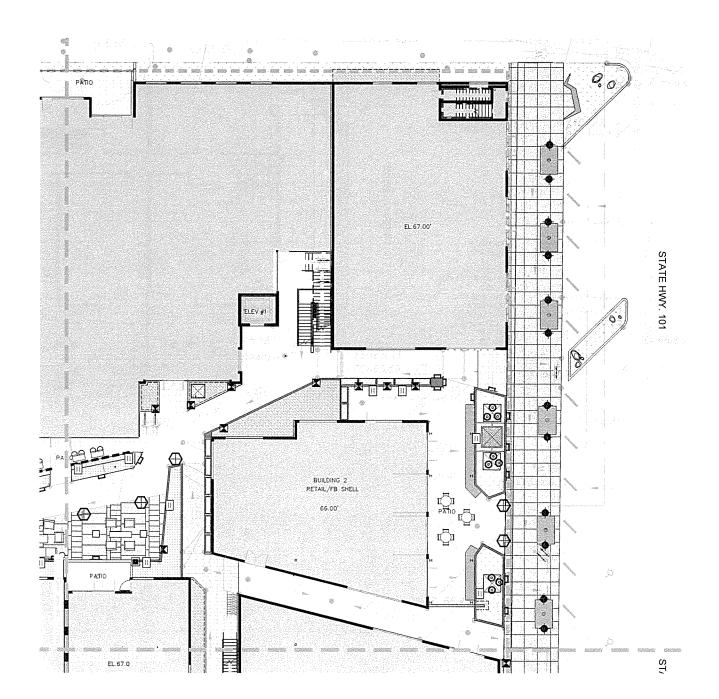
16-036

LANDSCAPE LIGHTING PLAN

- (L4) BOLLARD LIGHT BEGA LIGHTING, MODEL #84 602 BLACK FINISH
- (L5A) PATH LIGHT LUMIERE 303 B1 LED 120V T2 BRONZE FINISH
- (L5B) PATH LIGHT LUMIERE 303 B1 LED 120V T4 BRONZE FINISH
- (L6) WALL / PLANTER FLUSH MOUNT SPJ MSL2-12 MATTE BRONZE 120V
- - (L7) ALLOY LED TAPE LIGHT
- (L8) PEDESTRIAN AREA TREE LIGHT HEVI LITE HL3682B BRONZE 8 LED E MF LA1 WITH TREE MOUNT SM-2-2X-2B B2
- DECORATIVE TREE PENDANT AURORALIGHT HDL-11-HL 12V
- SUGGESTED CONVENIENCE POWER LOCATION

NOTE:

- 1. EXTERIOR LIGHT POLLUTION MUST COMPLY WITH CGC SEC. 5.106.8.
- 2. CONCEPTUAL PLAN ONLY PHOTOMETRIC STUDY SHALL BE PERFORMED BY ARCHITECT. CONTACT TAZZ LIGHTING FOR SPEC BOOK, TRANSFORMER AND CONTROLLER INFORMATION.
- 3. ALL FIXTURES SHALL BE PROVIDED AT COLOR TEMPERATURE 2700. WIRING DESIGN & TRANSFORMER SPECIFICATIONS BY OTHERS, CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE CORRECT TRANSFORMER FOR THE LIGHTING DEMAND AND CONCEALING TRANSFORMERS WITHIN THE LANDSCAPE OR IN A MECHANICAL ROOM(S) IN COORDINATION WITH THE DESIGN TEAM. LOW VOLTAGE FIXTURES SHALL INCLUDE TRANSFORMER(S) IN STAINLESS STEEL ENCLOSURE(S), WIRING RUNS & TRANSFORMERS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER RECOMMENDATIONS. LINE VOLTAGE FIXTURES SHALL BE COORDINATED WITH MEP CONSULTANT.
- 4. ALL LIGHTING SHALL BE DOWN-SHIELDED TO THE MAXIMUM EXTENT FEASIBLE, OF LOW-INTENSITY, AND OBSCURED SO THAT NO DIRECT VIEW OF THE LIGHTING SOURCE IS POSSIBLE FROM ADJACENT PROPERTIES, RESIDENTIAL WINDOWS OR
- 5. ALL LIGHTS TO BE DIRECTED AT THE INTENDED SUBJECT OF ILLUMINATION SUCH AS SPECIMEN PLANT MATERIAL OR TREES, PATHWAYS OR LANDSCAPE FEATURE. NO UNSHIELDED UP LIGHTING SHALL BE PROVIDED.
- 6. REFER TO ARCHITECT'S PLANS FOR EXTERIOR ARCHITECTURAL LIGHTING.







ZEPHYR

Gensler

225 Broadway Suite 1600 San Diego, CA 92101 United States



019 02 01 100% SCHEMATIC PACKAGE 019 05 31 SUBTERRANEAN BLDG PERMIT 119 07 26 SUBTERRANEAN BLDG PERMIT

019 08 23 GMP ISSUE

2019 08 29 BALANCE OF WORK PERMIT -CITY SUBMITTAL 1

2019 12 20 SUBTERRANEAN BUILDING PERMIT 020 2.12 PLANNING & FIRE CHECK

2020 3 25 BALANCE OF WORK PERMIT -SUBMITTAL 2

ADDENDUM PE - BALANCE OF 2020 3 30

2020 12.17 BALANCE OF WORK -SUBMITTAL 3

IFC / DELTA 10

2021.5.21 IFC 2021.6.11 IFC | DELTA 1 2021.7.23 BULLETIN 1



LANDSCAPE LIGHTING PLAN

(L4) BOLLARD LIGHT - BEGA LIGHTING, MODEL # 84 602 BLACK FINISH

(L5A) PATH LIGHT LUMIERE 303 B1 LED 120V T2 BRONZE FINISH

(L5B) PATH LIGHT LUMIERE 303 B1 LED 120V T4 BRONZE FINISH

(L6) WALL / PLANTER FLUSH MOUNT - SPJ MSL2-12 MATTE BRONZE 120V

- (L7) ALLOY LED TAPE LIGHT

(L8) PEDESTRIAN AREA TREE LIGHT HEVI LITE HL3682B BRONZE 8 LED E MF LA1 WITH TREE MOUNT SM-2-2X-2B B2

O DECORATIVE TREE PENDANT AURORALIGHT HDL-11-HL 12V

SUGGESTED CONVENIENCE POWER LOCATION

1. EXTERIOR LIGHT POLLUTION MUST COMPLY WITH CGC SEC. 5.106.8.

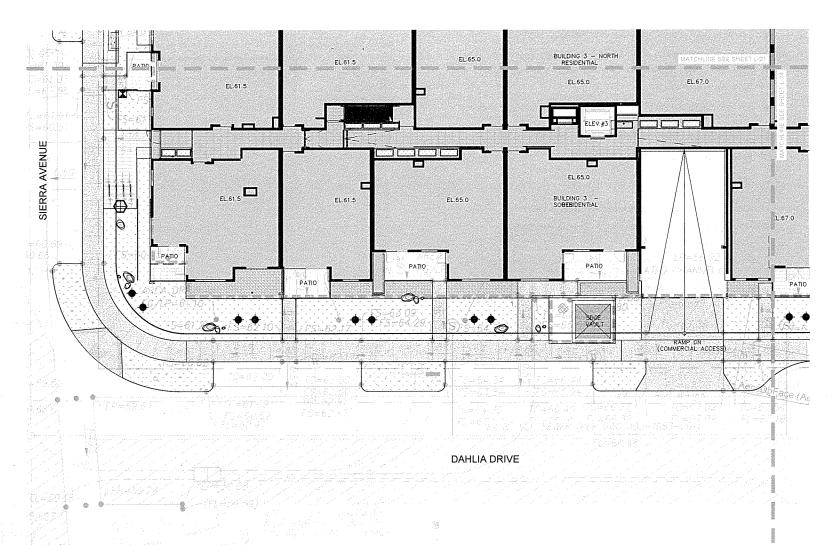
2. CONCEPTUAL PLAN ONLY - PHOTOMETRIC STUDY SHALL BE PERFORMED BY ARCHITECT, CONTACT TAZZ LIGHTING FOR SPEC BOOK, TRANSFORMER AND CONTROLLER INFORMATION.

3. ALL FIXTURES SHALL BE PROVIDED AT COLOR TEMPERATURE 2700. WIRING DESIGN & TRANSFORMER SPECIFICATIONS BY OTHERS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE CORRECT TRANSFORMER FOR THE LIGHTING DEMAND AND CONCEALING TRANSFORMERS WITHIN THE LANDSCAPE OR IN A MECHANICAL ROOM(S) IN COORDINATION WITH THE DESIGN TEAM, LOW VOLTAGE FIXTURES SHALL INCLUDE TRANSFORMER(S) IN STAINLESS STEEL ENCLOSURE(S), WRING RUNS & TRANSFORMERS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER RECOMMENDATIONS. LINE VOLTAGE FIXTURES SHALL BE COORDINATED WITH MEP CONSULTANT.

4. ALL LIGHTING SHALL BE DOWN-SHIELDED TO THE MAXIMUM EXTENT FEASIBLE, OF LOW-INTENSITY, AND OBSCURED SO THAT NO DIRECT VIEW OF THE LIGHTING SOURCE IS POSSIBLE FROM ADJACENT PROPERTIES, RESIDENTIAL WINDOWS OR PUBLIC RIGHTS-OF-WAY.

5. ALL LIGHTS TO BE DIRECTED AT THE INTENDED SUBJECT OF ILLUMINATION SUCH AS SPECIMEN PLANT MATERIAL OR TREES, PATHWAYS OR LANDSCAPE FEATURE. NO

6. REFER TO ARCHITECT'S PLANS FOR EXTERIOR ARCHITECTURAL LIGHTING.







ZEPHYR

Gensler



2019.02.01 100% SCHEMATIC PACKAGE 2019.05.31 SUBTERRANEAN BLDG PERMIT

2019.07.26 SUBTERRANEAN BLDG PERMIT

2019.08.23 GMP ISSUE

2019 08 29 BALANCE OF WORK PERMIT -CITY SUBMITTAL 1

2019:12:20 SUBTERRANEAN BUILDING PERMIT

2020.2.12 PLANNING & FIRE CHECK 2020.3.25 BALANCE OF WORK PERMIT -SUBMITTAL 2

2020.3.30 ADDENDUM PE - BALANCE OF WORK

WORK 2020.12.17 BALANCE OF WORK - SUBMITTAL 3 2021.5.21 IFC 2021.6.11 IFC / DELTA 10 2021.7.23 BULLETIN 1



Solana 101

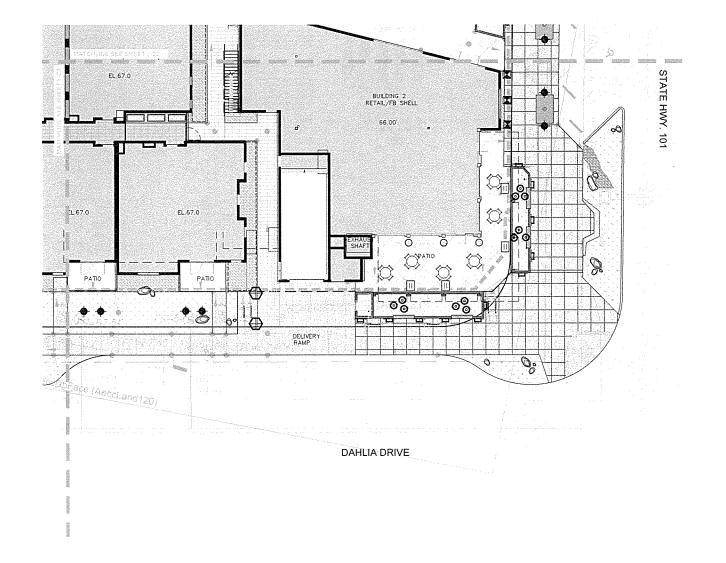
16-036

LANDSCAPE LIGHTING PLAN

- (L4) BOLLARD LIGHT BEGA LIGHTING, MODEL # 84 602 BLACK FINISH
- (L5A) PATH LIGHT LUMIERE 303 B1 LED 120V T2 BRONZE FINISH
- (L5B) PATH LIGHT LUMIERE 303 B1 LED 120V T4 BRONZE FINISH
- (L6) WALL / PLANTER FLUSH MOUNT SPJ MSL2-12 MATTE BRONZE 120V
- (L7) ALLOY LED TAPE LIGHT
- (L8) PEDESTRIAN AREA TREE LIGHT HEVI LITE HL3682B BRONZE 8 LED E MF LA1 WITH TREE MOUNT SM-2-2X-2B B2
- DECORATIVE TREE PENDANT AURORALIGHT HDL-11-HL 12V
- SUGGESTED CONVENIENCE POWER LOCATION

NOTE:

- 1. EXTERIOR LIGHT POLLUTION MUST COMPLY WITH CGC SEC. 5.106.8.
- 2. CONCEPTUAL PLAN ONLY PHOTOMETRIC STUDY SHALL BE PERFORMED BY ARCHITECT. CONTACT TAZZ LIGHTING FOR SPEC BOOK, TRANSFORMER AND CONTROLLER INFORMATION.
- 3. ALL FIXTURES SHALL BE PROVIDED AT COLOR TEMPERATURE 2700. WIRING DESIGN & TRANSFORMER SPECIFICATIONS BY OTHERS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE CORRECT TRANSFORMER FOR THE LIGHTING DEMAND AND CONCEALING TRANSFORMERS WITHIN THE LANDSCAPE OR IN A MECHANICAL ROOM(S) IN COORDINATION WITH THE DESIGN TEAM. LOW VOLTAGE FIXTURES SHALL INCLUDE TRANSFORMER(S) IN STAINLESS STEEL ENCLOSURE(S). WIRING RUNS & TRANSFORMERS SHALL BE INSTALLED IN ACCORDANCE W MANUFACTURER RECOMMENDATIONS. LINE VOLTAGE FIXTURES SHALL BE COORDINATED WITH MEP CONSULTANT.
- 4. ALL LIGHTING SHALL BE DOWN-SHIELDED TO THE MAXIMUM EXTENT FEASIBLE, OF LOW-INTENSITY, AND OBSCURED SO THAT NO DIRECT VIEW OF THE LIGHTING SOURCE IS POSSIBLE FROM ADJACENT PROPERTIES, RESIDENTIAL WINDOWS OR PUBLIC RIGHTS-OF-WAY.
- 5. ALL LIGHTS TO BE DIRECTED AT THE INTENDED SUBJECT OF ILLUMINATION SUCH AS SPECIMEN PLANT MATERIAL OR TREES, PATHWAYS OR LANDSCAPE FEATURE. NO UNSHIELDED UP LIGHTING SHALL BE PROVIDED.
- 6. REFER TO ARCHITECT'S PLANS FOR EXTERIOR ARCHITECTURAL LIGHTING.





Gensler

225 Broadway Suite 1600 San Diego, CA 92101 United States



2019 02 01 100% SCHEMATIC PACKAGE 2019 05 31 SUBTERRANEAN BLDG PERMI 2019 07 26 SUBTERRANEAN BLDG PERMIT

2019 08 29 BALANCE OF WORK PERMIT -CITY SUBMITTAL 1 2019 12 20 SUBTERRANEAN BUILDING PERMIT

020 2 12 PLANNING 8 FIRE CHECK

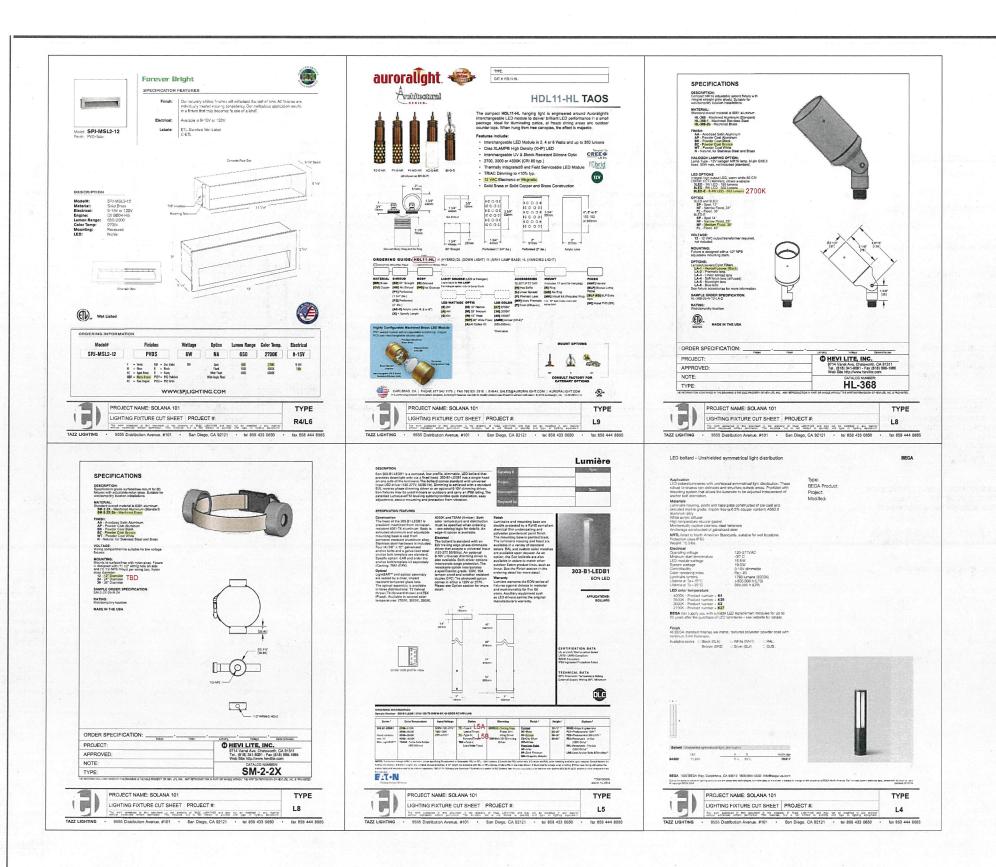


16-036

LANDSCAPE LIGHTING PLAN







ZEPHYR

Gensler

225 Broadway Suite 1600 San Diego, CA 92101 United States



2019.02.01 100% SCHEMATIC PACKAGE 2019.05.31 SUBTERRANEAN BLDG PERMIT 2019.07.26 SUBTERRANEAN BLDG PERMIT

2019.08.23 GMP ISSUE

 2019.08.29
 GMP ISSUE

 2019.08.29
 BALANCE OF WORK PERMIT-CITY SUBMITTAL 1

 2019.12.20
 SUBTERRANEAN BUILDING PERMIT

 2020.2.12
 PLANNING & FIRE CHECK

2020.3.25 BALANCE OF WORK PERMIT -SUBMITTAL 2

2020.3.30 ADDENDUM PE - BALANCE OF WORK

WORK
2020 12 17 BALANCE OF WORKSUBMITTAL 3
2021.5 21 IFC
2021.6.11 IFC / DELTA 10
2021.7.23 BULLETIN 1



16-036

LANDSCAPE LIGHTING CUT SHEETS

L-25

Underground Service Alert
Call: TOLL FREE
1-800
227-2600

LANDSCAPE CONSTRUCTION LEGEND

S1

(S5)

SITE FEATURES
PROPOSED RIGHT OF WAY BOUNDARY SHALL BE VERIFIED BY SURVEYOR

(S2) CURB GUTTER& DRAINAGE INFRASTRUCTURE PER CIVIL ENGINEER'S PLANS

(S3) PARKING PAVING & WHEEL STOPS WHERE SHOWN PER CIVIL ENGINEER'S

ADA PARKING PER CIVIL ENGINEER'S PLANS

ACCESSIBLE PEDESTRIAN RAMP PER CIVIL ENGINEER'S PLANS

ALL UTILITIES PER CIVIL ENGINEER'S PLANS (S6)

HARDSCAPE & PAVING
PIP NATURAL GRAY SIDEWALK CONCRETE PAVING WITH MEDIUM ACID ETCH
FINISH - SEE DETAIL A&B/L-2 H1

PIP NATURAL GRAY DRIVEWAY APRON CONCRETE PAVING WITH MEDIUM ACID ETCH FINISH - SEE DETAIL A&B/L-2

FINISHED TILE SURFACE OVER CONCRETE AT ENTRY TO RESIDENTIAL BUILDING - TILE TBD - SEE DETAIL $\ensuremath{\text{C/L-2}}$ (H3)

PIP INTEGRAL COLOR CONCRETE PAVING SHALL BE INSTALLED TO MATCH THE EXISTING 101 SIDEWALK CORRIDOR IN COLOR FINISH AND JOINT PATTERN SEE DETAIL A&B/L-2

P.I.P. CONCRETE BENCH - SEE DETAIL E/L-2

RECTANGULAR STEEL TREE GRATE SHALL BE INSTALLED PER BUILDING SET OF (H6)

BOULDERS RANGING IN SIZE FROM 2'-4' SHALL BE SELECTED AND PLACED AT THE DIRECTION OF THE LANDSCAPE ARCHITECT. BOULDERS SHALL BE OF THE TYPE 'DESERT SELECT' AVAILABLE FROM KRC ROCK SEE DETAIL D/L-2

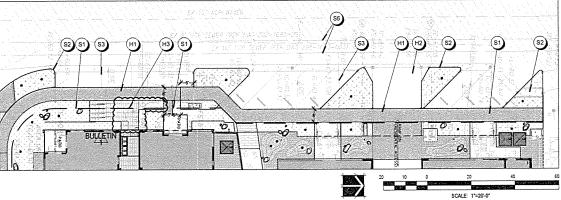
P.I.P. NATURAL GRAY CONCRETE PARKING MAINTENANCE STRIPS PER CITY

3" LAYER OF DECORATIVE COBBLE 'SAN QUINTIN SHELL & PEBBLE' 3/8" - 7/8" FROM KRC ROCK - COBBLE FINISH SURFACE SHALL NOT IMPEDE WATER FLOW-REFER TO FINISH GRADES PER CIVIL PLAN

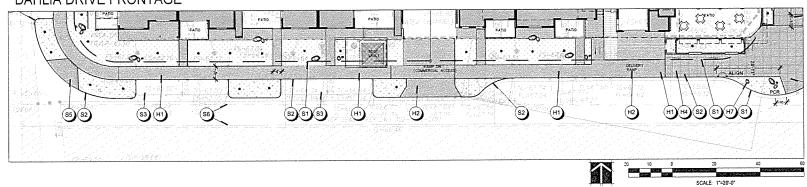
NOTES: CONTRACTOR TO LOCATE AND CONFIRM ALL UTILITIES PRIOR TO CONSTRUCTION - NOTIFY LANDSCAPE ARCHITECT OF ANY DESIGN CONFLICTS

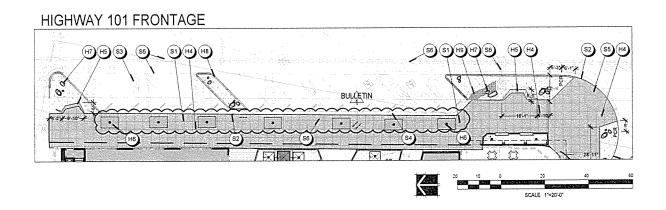
ALL DRAINAGE SHALL BE INSTALLED PER CIVIL PLANS

SIERRA AVENUE FRONTAGE



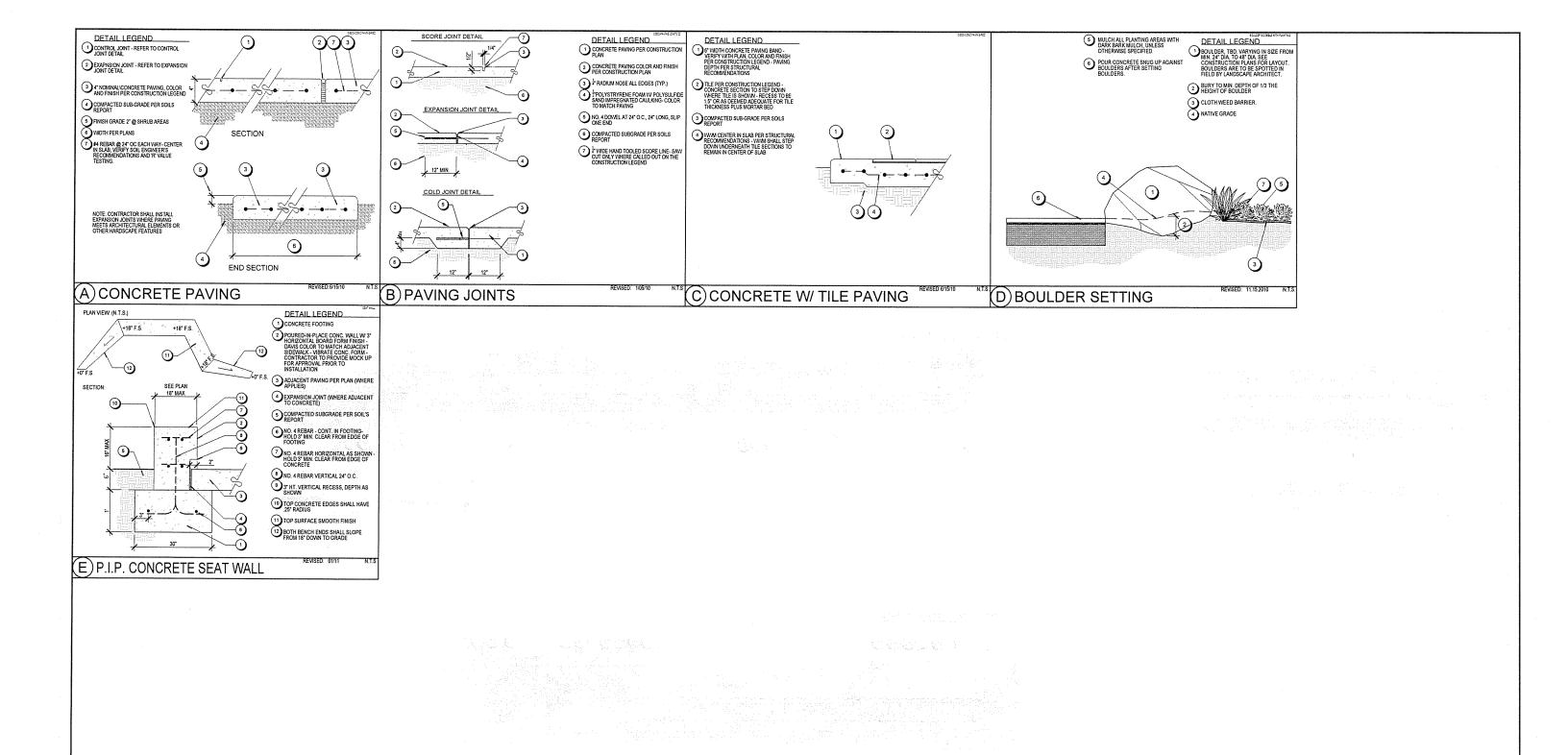
DAHLIA DRIVE FRONTAGE





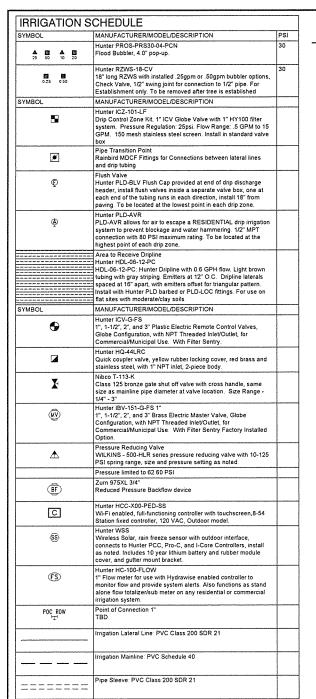


SOLANA BEACH FIRE DEPARTMENT	SANTA FE IRRIGATION DISTRICT	ENGINEER OF WORK	K CITY APPROVED CHANGES	APP'D DATE	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK	CITY OF SOLANA BEACH	ENGINEERING DEPARTMENT	DRAWING NO.
0	Reviewed By:	By:	Date:		By:Dote:	By:Date: Mohammad Sammak, City Engineer	THE BENCHMARK FOR THIS SURVEY IS G.P.S. STATION NO. 2001 (SOLB-1) 2.5" CITY OF SOLAMA BEACH BRASS DISC ON CONCRETE DRAINAGE INLET ON THE EAST SHOULDER OF HIGHWAY 101, 0.1 MILE SOUTH OF LOMAS SANTA FE DRIVE.	SOLANA BEACH 101		CG-3180
Fire Chief Date:	District Representative Date:	Drawn by			By:Date:	R.C.E.: 37146 Exp: 6/30/20	ELEV.: 69.28 N.G.V.D. 29 DATUM: M.S.L.			Sheet 10 of 18





SOLANA BEACH FIRE DEPARTMENT SANTA FE IRRIGATION DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES APP'D DATE RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK	CITY OF SOLANA BEACH ENGINEERING DEPARTMENT	DRAWING NO
Reviewed By:	By: Date:	By:	By:Date:	THE BENCHMARK FOR THIS SURVEY IS G.P.S. STATION NO.	IMPROVEMENT PLANS FOR:	CG-3180
Fire Chief Date: District Representative Date:	Drawn By	By:	Mohammad Sammak, City Engineer R.C.E.: 37146 Exp: 6/30/20	HIGHWAY 101, 0.1 MILE SOUTH OF LOMAS SANTA FE DRIVE. ELEV.: 69.28 N.G.V.D. 29 DATUM: M.S.L.	SOLANA BEACH 101	Sheet 11 of 18



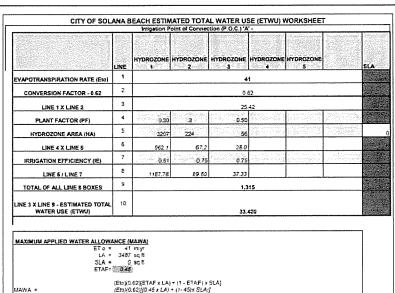
H#• -- Hydrozone # # xx sf

DAHLIA DRIVE FRONTAGE

42

- Valve Numbe

WATER CALCULATIONS



3487.00

MAXIMUM APPLIED WATER ALLOWANCE= 39887.793

gal per yea

CIVIL

1" POC 'A' AT DOMESTIC METER -LOCATION PER

25.42 R 45 x

SIERRA AVENUE FRONTAGE

HIGHWAY 101 FRONTAGE

IRRIGATION PIPING AND EQUIPMENT IS SHOWN ON THE

MAINLINE, LATERALS, AND VALVE EQUIPMENT SHALL BE

INSTALLED WITHIN THE R.O.W

A TOTAL

PLAN DIAGRAMMATICALLY FOR CLARITY, ALL IRRIGATION

A 23

Generated:	2020-01-29 10
P.O.C. NUMBER: 01 Water Source Information: IRRIGATION DISTRICT	SANTA FE
FLOW AVAILABLE Point of Connection Size: Flow Available:	1" 20.24 gpm
PRESSURE AVAILABLE Static Pressure at POC: Pressure Available:	60.00 psi 60.00 psi
DESIGN ANALYSIS Maximum Station Flow: Flow Available at POC: Residual Flow Available:	7.47 gpm 20.24 gpm 12.77 gpm
Critical Station: Design Pressure: Friction Loss; Fritings Loss; Fittings Loss: Loss through Valve: Pressure Req. at Critical Station: Loss for Fittings: Loss for Main Line: Loss for Backflow: Loss for Master Valve:	A-6 20 00 psi 0.63 psi 0.06 psi 0.00 psi 9.65 psi 30.34 psi 0.60 psi 5.98 psi 0.00 psi 10.81 psi 2.61 psi
Critical Station Pressure at POC: Pressure Available Residual Pressure Available:	50.34 psi 60.00 psi 9.66 psi

PRESSURE LOSS

07 9 7 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
6 2000 2 10	
E DA SIDE VIEW	

LEGEND:

1 HUNTER HC FLOW METER WITH UNION CONNECTIONS, SIZE PER LEGEND 2 SCH 80 PVC FEMALE ADAPTER (S)

RECTANGULAR VALVE BOX PER

6 SCH 80 PVC 45 DEGREE ELBOW (S S) TO LOWER MAIN LINE TO PROPER

(3) MAIN LINE TO SYSTEM (SEE LEGEND AND PLANS FOR TYPE (8) AND SIZE) TWO WIRES TO FLOW SENSOF TERMINALS AT CONTROLLER MIN. 14 AWG-UF (2.08 mm² WRE WITH DIFFERENT COLOR FROM CONTROL/COMMON WIF WEATHERPROOF WIRE 1 FINISH GRADE

COMMON BRICK

SPECIFIED SOIL COVER (SEE

LENGTH MUST BE MIN. OF 5 X PIPE DIA. INLET AND OUTLET PIPE MUST BE STRANGHT PIPE WITH NO FITTINGS OR TURNS UNTIL AFTER THESE SPECIFIED LENGTHS. PIPE AND FITTINGS MAY BE SCH 80 PVC SOLVENT WELD, THREADED SCH 80 PVC OR BRASS, AS REQUIRED FOR PROJECT.

LENGTH MUST BE A 10 X PIPE DIA. PIPE LEAVING METER MUST BE MIN. OF 5

MAIN LINE AT INLET & OUTLET - SEE

			BASE D LIS.CHU	
FLOW METER MODEL	HC-075	HC-100EEP	HC-150	HC-200
INLET/ OUTLET CONNECTION				2" NPT BODY, MALE
SIZE	THREAD WITH 1" NPT	games with the first	THREAD WITH 2" NPT	THREAD WITH 3" NPT
	MALE ADAPTER	MALE ADAPTER	MALE ADAPTÉR	MALE ADAPTER
MAINLINE AT INLET/OUTLET	1*	1.5	2"	3"
INTERNAL DIA.	3/4	1"	1 1/2	2*
MIN FLOW	0.22 GPM	0.30 GPM	0.88 GPM	2 00 GPM
MAX. RECOMMENDED FLOW	15 GPM	30 GPM	66 GPM	105 GPM
MAX FLOW RATE	21 GPM	34 GPM	88 GPM	132 GPM
DIAL READING		1 PULSE PER 1		1 PULSE PER 1 US GALLON
	US GALLON	US GALLON	IUS GALLUN	EUS GALLOR
WORKING PRESSURE	1-230 PSI	1-230 PSI	2-230 PSI	3-230 PSI

HC-XX FLOW METER

GENERAL IRRIGATION NOTES

- ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR. IN CASE OF CONFLICT BETWEEN THE SPECIFICATIONS, DRAWINGS, AND/OR CODE, THE MORE STRINGENT REQUIREMENT SHALL PREVAIL
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE
- THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
- THE MAINLINE AND SLEEVING IS DIAGRAMMATIC. ALL PIPING IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED WITHIN LIMIT OF WORK BOUNDARIES AND IN SHRUB PLANTING AREAS WHERE POSSIBLE. AVOID ANY CONFLICTS BETWEEN THE SPRINKLER SYSTEM, PLANTING AND
- IRRIGATION EQUIPMENT AS SHOWN IS DIAGRAMMATIC. INSTALL ALL THE IRRIGATION REMOTE CONTROL VALVES, QUICK COUPLERS, MASTER VALVES, FLOW SENSORS, BACKFLOWS, AIR/VACUUM DEVICES, BALL VALVES, AND ANCILLARY EQUIPMENT, IN SHRUB PLANTING AREAS WHEN FEASIBLE OR AS APPROVED BY OWNER'S REPRESENTATIVE AND THE LANDSCAPE IRRIGATION DESIGNER.
- DO NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED
- INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION
- CONTRACTOR TO PROVIDE AN ADDITIONAL PILOT WIRE FROM CONTROLLER ALONG ENTIRETY OF MAINLINE TO THE LAST RCV ON EACH AND EVERY LEG OF MAIN LINE. LABEL SPARE WIRES AT BOTH ENDS
- 10. ALL PIPE UNDER PAVED AREAS, HARDSCAPE, OR AS DIRECTED BY OWNERS REPRESENTATIVE TO BE INSTALLED IN SLEEVING, TWICE THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED. ALL 2" AND 3" SLEEVING FOR NON-VIHICULAR PAVING SHALL BE PVC1220 SCH. 40, TYPE 1, GRADE 2 MATERIAL CONFORMING TO ASTM STANDARD D-1785-4. ALL 4" AND LARGER SLEEVING BELOW VEHICULAR PAVING SHALL BE PVC1220 SCH.80 SDR21. TYPE 1. GRADE 2 MATERIAL CONFORMING TO ASTM STANDARD D-2241. SLEEVES UNDER BROW DITCHES SHALL BE ENCASED IN CONCRETE A MINIMUM OF 6" THICK ON ALL SIDES OF PIPE. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF PAVING.
- 11. ALL QUICK COUPLER VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL QUICK COUPLER VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER VALVES WITHIN 18" OF HARDSCAPE.
- 12. IRRIGATION HEADS ADJACENT TO THE STREET SHALL BE HELD A MINIMUM OF 2 FEET FROM EDGE OF PAVEMENT. ALL HEADS ARE TO BE INSTALLED WITH IRRIGATION HEADS ADJACENT TO THE STREET SHALL BE HELD A MINIMON OF 2 FEET FROM EDGE OF FAVEMENT ALL THEADS AND TO BE INSTRUCTED.

 THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, FENCES AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT SCREW, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS AND THE REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC UNITS. WHEN VERTICAL OBSTRUCTIONS (PROPS, STREET LIGHTS, TREES, ETC.) INTERFERE WITH THE SPRAY PATTERN OF THE SPRINKLER HEADS PREVENTING PROPER COVERAGE, THE IRRIGATION CONTRACTOR SHALL FIELD ADJUST THE SPRINKLER SYSTEM BY INSTALLING A QUARTER CIRCLE OR HALF CIRCLE SPRINKLER HEAD ON EACH SIDE OF THE OBSTRUCTION SO AS TO PROVIDE PROPER COVERAGE. ALL ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER
- 13. THE IRRIGATION CONTRACTOR SHALL ADJUST THE PRESSURE REGULATOR ON EACH ELECTRIC CONTROL VALVE SO THAT THE SPRINKLER HEAD FARTHEST AND HIGHEST IN ELEVATION FROM ITS RESPECTIVE CONTROL VALVE OPERATES WITHIN THE OPERATING PRESSURE SHOWN ON THE IRRIGATION LEGEND NOT TO EXCEED FIVE (5) PSI ABOVE THE GIVEN OPERATING PRESSURE FROM THE SPECIFIED PRESSURE LOCATED ON THE IRRIGATION LEGEND.
- 14. THE IRRIGATION SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE AND THE MAXIMUM FLOW DEMAND SHOWN ON THE IRRIGATION DRAWINGS AT EACH POINT OF CONNECTION. THE IRRICATION CONTRACTOR SHALL VERIFY WATER PRESSURE VIA DIRECT FIELD MEASUREMENT PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO START OF CONSTRUCTION, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS, AND COSTS ASSOCIATED WITH SAID REVISIONS
- 15. SHOULD FIELD CONDITIONS REQUIRE PIPE INSTALLATION OTHER THAN THAT SHOWN ON PLANS, THE CONTRACTOR SHALL LIMIT EXCESS FLOW AND SIZE ALL PIPE NOT TO EXCEED A VELOCITY OF 5 FEET PER SECOND (FPS) IN PVC PIPE AND CAST IRON PIPE. FLOW THROUGH ANCILLARY EQUIPMENT, STEEL AND COPPER PIPE SHALL NOT EXCEED A VELOCITY OF 7 ½ FPS. ALL ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
- 16 CHECK VALVES SHALL BE USED TO PREVENT ALL LOW HEAD DRAINAGE



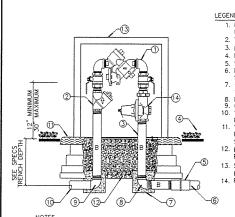
AS-BUILT

R.C.E.:_

SOLANA BEACH FIRE DEPARTMENT	SANTA FE IRRIGATION DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES APP'D DATE RECOMMENDE	ED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK	CITY OF SOLANA BEACH ENGINEERING DEPART	MENT DRAWING NO.
	Reviewed By:	By: Date:	Ву:	Date:By:	r: Dote:	THE BENCHMARK FOR THIS SURVEY IS G.P.S. STATION NO. 2001 (SOLB-1) 2.5° CITY OF SOLANA BEACH BRASS DISC ON CONCRETE DRAINAGE INLET ON THE EAST SHOULDER OF	SOLANA BEACH 101	CG-3180
By:	District Bases statics Date:	Drawn By	By	Date:		HIGHWAY 101, 0.1 MILE SOUTH OF LOMAS SANTA FE DRIVE. ELEV.: 69.28 N.G.V.D. 29 DATUM: M.S.L.	002/11/10/11/01	Sheet 12 of 18

0

SCALE: 1"=20"-0"



- REDUCED PRESSURE PRINCIPLE
 BACKFLOW PREVENTER, PER LEGEND
 WYE STRAINER
- 3. BRASS NIPPLES (LENGTH AS REQ.)

- DIFFERENCE STATE OF COLORER STATE

 5. SCH 80 PVC FEMALE ADAPTER.
 5. SCH 80 PVC FEMALE ADAPTER.
 6. PVC PRESSURE SUPPLY LINE.
 5. SEE SPECIFICATIONS

 7. 12*x12*x12** CONCRETE
 THRUST BLOCKS
 8. BRASS TAT ELL, LINE SIZE
 10. TYPE 'K' COPPER TUBING
 FROM WATER METER.
 11. VI.T. STRONGBOX OP—30BF QUICK
 PAD. IF ENCLOSURE IS SPECIFIED,
 SET 2" ABOVE GRADE
 2. FILL BASE OF QUICKPAD WITH 3/*
 ROCK TO TOPE COLORER

 2. FILL BASE OF QUICKPAD WITH 3/*
 ROCK TO TOPE COLORER

 5. STRONGBOX DESCRIPTION OF THE PROCESSER STATES

 2. FILL BASE OF QUICKPAD WITH 3/*
 ROCK TO TOPE COLORER

 5. SCH 20 TOPE COLORER

 5. SCH 20 TOPE COLORER

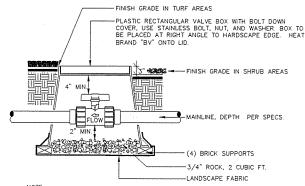
 5. SCH 20 TOPE COLORER

 5. FILL BASE OF QUICKPAD WITH 3/*
 ROCK TO TOPE COLORER

 5. SCH 20 TO
- 12. FILE BASE OF QUICKPAD WITH 34 ROCK TO TOP OF BASE OF UNIT
- 13. STAINLESS STEEL ENCLOSURE (IF SPECIFIED)
 14. PRESSURE REGULATOR

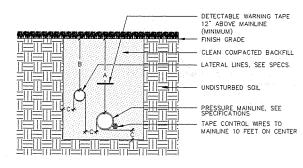
- VUIES: : INSTALLATION MUST CONFORM TO LOCAL CODES 2. CONTRACTOR MUST PROVIDE BACKFLOW CERTIFICATION, 3. ALL THREADED CONNECTIONS TO HAVE TEFLON TAPE OR PASTE. 4. ALL BRASS OR COPPER BELOW GRADE SHALL HAVE AWWA C209 APPROVED PIPE TAPE.

BACKFLOW DEVICE SCALE: N.T.S.



BOX TO BE INSTALLED TO ALLOW FOR PROPER OPERATION OF BALL VALVE HANDLE. INSTALL AT RIGHT ANGLE TO HARDSCAPE EDGE. INSTALL VALVE BOX EXTENSIONS AS REQUIRED TO ACHIEVE PROPER VALVE INSTALLATION AT MAINLINE DEPTH. ALL THREADED CONNECTIONS SHALL HAVE TEFLON TAPE OR PASTE

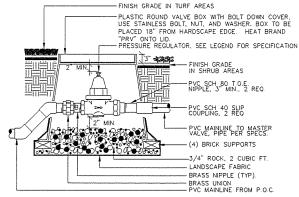
BALL SCALE: N.T.S. VALVE



L	DIMENSION	Α	В	C	
	1/2" TO 2-1/2" IN SIZ	E 18"	12"	6"	
	3" IN SIZE	24"	\times	6"	
Γ	4" AND LARGER	30"	\supset	6"	

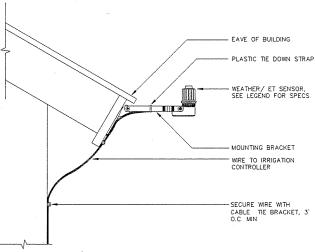
BACKFILL SHOULD BE PLACED IN 6" LAYERS AND TAMPED

PIPE INSTALLATION, POTABLE

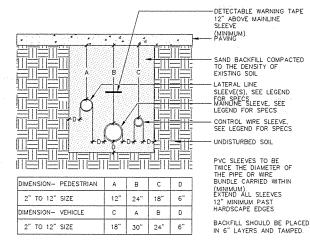


USE 45 DEGREE ELLS TO ACHIEVE MAINLINE DEPTH FROM SUPPLY SIDE OF THE PRESSURE REGULATOR ASSEMBLY. ALL THREADED CONNECTIONS TO HAVE TEFLON TAPE OR PASTE

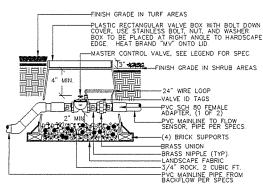
PRESSURE REGULATOR (B) SCALE: N.T.S.



WEATHER / ET SENSOR MOUNTED ON EAVE SCALE: N.T.S.

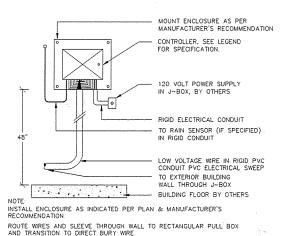


INSTALLATION. POTABLE

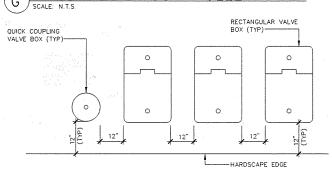


NOVIE: USE 45 DEGREE ELLS TO ACHIEVE MAINLINE DEPTH FROM SUPPLY SIDE OF THE MASTER VALVE ASSEMBLY.
ALL THREADED CONNECTIONS TO HAVE TEFLON TAPE OR PASTE.

MASTER VALVE



WALL MOUNT CONTROLLER



- NOTES:

 1. VALVE BOXES SHALL BE LABELED BY HOT IRON BRANDING OR ALUMINUM ASPHALT BASED WATERPROOF PAINT.

 2. CONTROL VALVES SHALL BE INSTALLED TO ALLOW ORDERLY ARRANGEMENT OF VALVE BOXES.

 3. LOCATE VALVE ASSEMBLES IN SHRUB OR GROUND COVER AREAS WHEN POSSIBLE 4. LOCATION OF VALVE ASSEMBLES SHALL BE STAKED FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

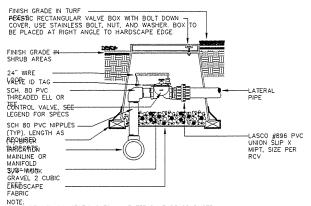
 5. CENTER VALVE BOXES OVER VALVE ASSEMBLE TO FACILITATE ACCESS AND MAINTENANCE.

 6. SET VALVE BOXES AT EQUAL ELEVATIONS WITH TOPS AT FINISH GRADE IN TURF AREAS OR 3' ABOVE FINISH GRADE IN SHRUB/GROUND COVER AREAS.

 7. VALVE BOXES SHALL BE SET PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE OF AREA.

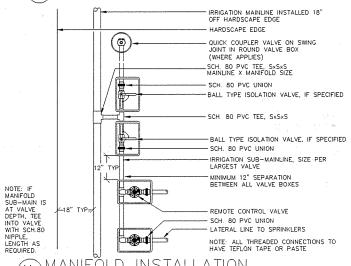
 8. DO NOT DEFORM OR COLLAPSE VALVE BOXES AND QUICK COUPLING VALVES SHALL BE CLEARLY COLORED PURPLE.

VALVE BOX LAYOUT



NUIE: ALL THREADED CONNECTIONS TO HAVE TEFLON TAPE OR PASTE. IF MAINLINE OR MANIFOLD SUB-MAIN IS AT VALVE DEPTH, TEE INTO VALVE WITH SCH.80 NIPPLE, LENGTH AS REQUIRED.

REMOTE CONTROL VALVE D



MANIFOL D INSTALLATION (H)SCALE: N.T.S

2 3 6 7

LEGEND

- 1. SINGLE-OUTLET EMITTER WITH 1/4" DISTRIBUTION TUBING PER LEGEND.
- 2. TOP OF MULCH, DEPTH PER PLANTING PLAN
- 3. TIE-DOWN STAKE PER LEGEND.
- 6. RAINBIRD MDC COMPRESSION MDCFTEE WITH MDCF75FHT FEMALE ADAPTER
- 7. 3/4" PVC SCH. BO NIPPLE (LENGTH AS REQUIRED).
- 8. LATERAL HEADER PIPE SxT TEE OR ELL, SIZE AND DEPTH PER LEGEND.

USE MANUFACTURER TOOL TO INSERT EMITTER DIRECTLY INTO DISTRIBUTION FEEDER TUBE.

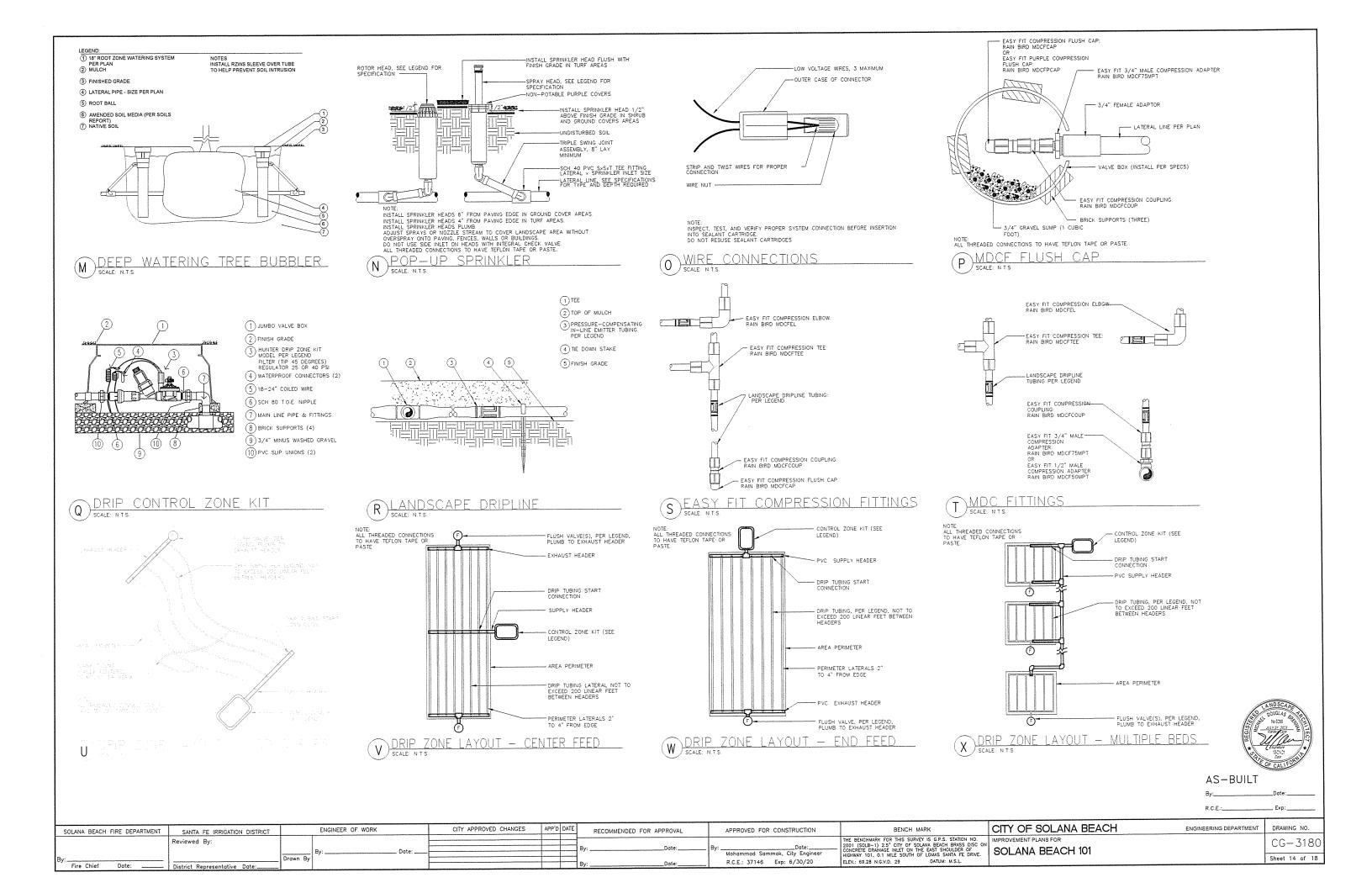
ALL THREADED CONNECTIONS TO HAVE TEFLON TAPE OR PASTE.

HEADER TO TUBING CONNECTION



AS-BUIL	Γ
Ву:	Date:
R.C.E.:	Exp:

SOLANA BEACH FIRE DEPARTMENT	SANTA FE IRRIGATION DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES APP'D DATE	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK	CITY OF SOLANA BEACH ENGINEERING DEPAR	MENT DRAWING NO.
	Reviewed By:					<u> </u>	IMPROVEMENT PLANS FOR:	CC 3100
Ву:		Drawn By By: Date:	-	By:Date:		CONCRETE DRAINAGE INLET ON THE EAST SHOULDER OF HIGHWAY 101, 0.1 MILE SOUTH OF LOMAS SANTA FE DRIVE.	SOLANA BEACH 101	CG-3100
Fire Chief Date:	District Representative Date:			By:Date:		ELEV.: 69.28 N.G.V.D. 29 DATUM: M.S.L.		Sheet 13 of 18



IRRIGATION SPECIFICATIONS

ANDSCAPE IRRIGATION

PART I - GENERAL

- IT IS THE INTENT OF THE SPECIFICATIONS AND DRAWINGS THAT THE FINISHED SYSTEM IS COMPLETE IN EVERY RESPECT AND SHALL BE READY FOR OPERATION SATISFACTORY TO THE
- THE WORK SHALL INCLUDE ALL MATERIALS, LABOR, SERVICES, TRANSPORTATION, AND EQUIPMENT NECESSARY TO PERFORM THE WORK AS INDICATED ON THE DRAWINGS, IN THESE SPECIFICATION, AND AS NECESSARY TO COMPLETE THE CONTRACT.

CONSTRUCTION DRAWINGS

- DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, ETC. WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL OF HIS WORK AND PLAN HIS WORK ACCORDINGLY, FURNISHING SUCH FITTINGS, ETC. AS MAY BE REQUIRED TO MEET SUCH CONDITIONS. DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED IN STALLED IN SUCH A MANUER AS TO AVOID CONFLICTS BETWEEN IRRIGATION SYSTEMS, PLANTING, AND ARCHITECTURAL FEATURES.
- ALL WORK CALLED FOR ON THE DRAWINGS BY NOTES OR DETAILS SHALL BE FURNISHED AND INSTALLED WHETHER OR NOT SPECIFICALLY MENTIONED IN THE SPECIFICATIONS. WHEN AN ITEM IS SHOWN ON THE PLANS BUT NOT SHOWN ON THE SPECIFICATIONS OR VICE VERSA, IT SHALL BE DEEMED TO BE AS SHOWN ON BOTH. THE LANDSCAPE ARCHITECT SHALL HAVE FINAL AUTHORITY FOR CLARIFICATION
- THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DISCREPANCIES IN AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN ENGINEERING, SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AS SOON AS DETECTED. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISION NECESSARY.

1.03 OUALITY ASSURANCE

- PROVIDE AT LEAST ONE ENGLISH SPEAKING PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK AND WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE OF MATERIALS BEING INSTALLED AND THE MANUFACTURER'S RECOMMENDED METHODS OF INSTALLATION AND WHO SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.
- MANUFACTURER'S DIRECTIONS AND DETAILED DRAWINGS SHALL BE FOLLOWED IN ALL CASES WHERE THE MANUFACTURER OF ARTICLES USED IN THIS CONTRACT FURNISH DIRECTIONS COVERING POINTS NOT SHOWN IN THE DRAWINGS AND SPECIFICATIONS
- ALL LOCAL, MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR. ANYTHING CONTAINED IN THESE SPECIFICATIONS SHALL NOT BE CONSTRUED TO CONFLICT WITH ANY OF THE ABOVE RULES AND REGULATIONS OF THE SAME. HOWEVER WHEN THESE SPECIFICATIONS AND DRAWINGS CALL FOR OR DESCRIBE MATERIALS, WORKMANSHIP, OR CONSTRUCTION OF A BETTER OUALITY, HIGHER STANDARD, OR LARGER SIZE THAN IS REQUIRED BY THE ABOVE RULES AND REGULATIONS, THE PROVISIONS OF THESE SPECIFICATIONS AND DRAWINGS SHALL TAKE PRECEPTENCE THESE SPECIFICATIONS AND DRAWINGS SHALL TAKE PRECEDENCE
- ALL MATERIALS SUPPLIED FOR THIS PROJECT SHALL BE NEW AND FREE FROM ANY DEFECTS.
 ALL DEFECTIVE MATERIALS SHALL BE REPLACED IMMEDIATELY AT NO ADDITIONAL COST TO
- THE CONTRACTOR SHALL SECURE THE REQUIRED LICENSES AND PERMITS INCLUDING PAYMENTS OF CHARGES AND FEES, GIVE REQUIRED NOTICES TO PUBLIC AUTHORITIES, VERIFY PERMITS SECURED OR ARRANGEMENTS MADE BY OTHERS AFFECTING THE WORK OF THIS SECTION

1.04 SUBMITTALS

- AFTER AWARD OF CONTRACT AND BEFORE ANY IRRIGATION SYSTEM MATERIALS ARE DELIVERED TO THE JOB SITE, SUBMIT TO THE OWNER A COMPLETE LIST OF ALL. IRRIGATION SYSTEMS, MATERIALS, OR PROCESSES PROPOSED TO BE FURNISHED AND INSTALLED AS PART OF THIS CONTRACT.
- INSTACLED AS PART OF HIS CUNINACT.

 SHOW MANUFACTURER'S NAME AND CATALOS NUMBER FOR EACH ITEM, FURNISH COMPLETE CATALOG CUTS AND TECHNICAL DATA, FURNISH THE MANUFACTURER'S RECOMMENDATIONS AS TO THE METHOD OF INSTALLATION.

 NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT PRIOR WRITTEN ACCEPTANCE BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE.
- MANUFACTURER'S WARRANTIES SHALL NOT RELIEVE THE CONTRACTOR OF HIS LIABILITY UNDER THE GUARANTEE. SUCH WARRANTIES SHALL ONLY SUPPLEMENT THE

- SUBSTITUTIONS:
 IF THE IRRIGATION CONTRACTOR WISHES TO SUBSTITUTE ANY EQUIPMENT OR MATERIALS FOR THOSE EQUIPMENT OR MATERIALS LISTED ON THE IRRIGATION DRAWINGS AND SPECIFICATIONS HE MAY DO SO BY PROVIDING THE FOLLOWING INFORMATION TO THE LANDSCAPE ARCHITECT
- OR OWNER'S AUTHORIZED REPRESENTATIVE AND CITY INSPECTOR FOR APPROVAL. PROVIDE A WRITTEN STATEMENT INDICATING THE REASON FOR MAKING THE SUBSTITUTION. PROVIDE CATALOG CUT SHEETS, TECHNICAL DATA, AND PERFORMANCE INFORMATION FOR EACH SUBSTITUTE HEM.

3. PROVIDE IN WRITING THE DIFFERENCE IN INSTALLED PRICE IF THE ITEM IS ACCEPTED.

1.05 EXISTING CONDITIONS

- THE CONTRACTOR SHALL VERIFY AND BE FAMILIAR WITH THE LOCATIONS, SIZE AND DETAIL OF POINTS OF CONNECTION PROVIDED AS THE SOURCE OF WATER, ELECTRICAL SUPPLY, AND ANY TELEPHONE LINE CONNECTION TO THE IRRIGATION SYSTEM.
- IRRIGATION DESIGN IS BASED ON THE AVAILABLE STATIC WATER PRESSURE SHOWN ON THE DRAWNGS. CONTRACTOR SHALL VERIFY STATIC WATER ON THE PROJECT PRIOR TO THE START OF CONSTRUCTION. SHOULD A DISCREPANCY EXIST, NOTIFY THE LANDSCAPE ARCHITECT AND OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION
- PRIOR TO CUTTING INTO THE SOIL, THE CONTRACTOR SHALL LOCATE ALL CABLES, CONDUITS, PRIOR TO CUTTING INTO THE SOIL, THE CUNTRACTOR SHALL LOCATE ALL CABLES, CUNDOTTS, SEWER SEPTIC TANKS, AND OTHER UTLITIES AS ARE COMMONLY ENCOUNTERED UNDERGROUND AND HE SHALL TAKE PROPER PRECAUTIONS NOT TO DAMAGE OR DISTURB SUCH IMPROVEMENTS. IF A CONFLICT EXISTS BETWEEN THE SUCH OBSTACLES AND THE PROPOSED WORK, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE LANDSCAPE ARCHITECT AND OWNER WHO WILL ARRANGE FOR RELOCATIONS. THE CONTRACTOR WILL PROCEED IN THE SAME MANNER IF A ROCK LAYER OR ANY OTHER SUCH CONDITIONS ARE ENCOUNTERED.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND FEATURES TO REMAIN ON AND ADJACENT TO THE PROJECT SITE DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR, AT HIS OWN COST, ALL DAMAGE RESULTING FROM HIS OPERATIONS OR NEGLIGENCE.
- THE IRRIGATION CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR FOR INSTALLATION OF REQUIRED SLEEVING AS SHOWN ON THE PLANS.

- THE CONTRACTOR SHALL PERMIT THE LANDSCAPE ARCHITECT, OWNER'S AUTHORIZED REPRESENTATIVE AND CITY INSPECTOR TO VISIT AND INSPECT AT ALL TIMES ANY PART OF THE WORK AND SHALL PROVIDE SAFE ACCESS FOR SUCH VISITS.
- WHERE THE SPECIFICATIONS REQUIRE WORK TO BE TESTED BY THE CONTRACTOR, IT SHALL NOT BE COVERED OVER UNTIL ACCEPTED BY THE LANDSCAPE ARCHITECT, OWNER'S AUTHORIZED REPRESENTATIVE. AND/OR GOVERNING AGENCIES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR NOTIFYING THE LANDSCAPE ARCHITECT, OWNER, AND GOVERNING ACENCIES, A MINIMUM OF 48 HOURS IN ADVANCE, WHERE AND WHEN THE WORK IS READY FOR TESTING. SHOULD ANY WORK BE COVERED WITHOUT TESTING OR ACCEPTANCE, IT SHALL BE, IF SO ORDERED, UNCOVERED AT THE CONTRACTOR'S EXPENSE.
- INSPECTIONS WILL BE REQUIRED FOR THE FOLLOWING AT A MINIMUM
- SYSTEM LAYOUT PRESSURE TEST OF IRRIGATION MAIN LINE (FOUR HOURS AT 125 PS) OR 120% OF STATIC WATER
- PRESSURE, WHICH EVER IS GREATER) APPROVAL REQUIRED BY CITY INSPECTOR. COVERAGE TEST OF IRRIGATION SYSTEM (APPROVAL REQUIRED BY CITY INSPECTOR).
- FINAL INSPECTION PRIOR TO START OF MAINTENANCE PERIOD
- FINAL ACCEPTANCE
- SITE OBSERVATIONS AND TESTING WILL NOT COMMENCE WITHOUT THE RECORD DRAWINGS AS PREPARED BY THE IRRIGATION CONTRACTOR. RECORD DRAWINGS MUST COMPLETE AND UP TO DATE FOR EACH SITE
- WORK WHICH FAILS TESTING AND IS NOT ACCEPTED WILL BE RETESTED. HOURLY RATES AND EXPENSES OF THE LANDSCAPE ARCHITECT, OWNER'S AUTHORIZED REPRESENTATIVE, AND GOVERNING AGENCIES FOR REINSPECTION OR RETESTING WILL BE PAID BY THE IRRIGATION CONTRACTOR AT NO ADDITIONAL EXPENSE

STORAGE AND HANDLING

- USE ALL MEANS NECESSARY TO PROTECT IRRIGATION SYSTEM MATERIALS BEFORE DURING AND AFTER INSTALLATION AND TO PROTECT THE INSTALLATION WORK AND MATERIALS OF ALL OTHER TRADES. IN THE EVENT OF DAMAGE, IMMEDIATELY MAKE ALL REPAIRS AND REPLACEMENTS NECESSARY TO THE ACCEPTANCE OF THE LANDSCAPE ARCHITECT AND OWNER AND AT NO ADDITIONAL COST TO THE OWNER
- EXERCISE CARE IN HANDLING, LOADING, UNLOADING, AND STORING PLASTIC PIPE AND FITTINGS LINDER COVER UNTIL READY TO INSTALL TRANSPORT PLASTIC PIPE ONLY ON A VEHICLE WITH A BED LONG ENGUGH TO ALLOW THE PIPE TO LAY FLAT TO AVOID UNDUE BENDING AND CONCENTRATED EXTERNAL

1.08 CLEANUP AND DISPOSAL

- DISPOSE OF WASTE, TRASH, AND DEBRIS IN ACCORDANCE WITH APPLICABLE LAWS AND ORDINANCES AND AS PRESCRIBED BY AUTHORITIES HAVING JURISDICTION, BURY NO SLICH WASTE MATERIAL AND DEBRIS ON THE SITE BURNING OF TRASH AND DEBRIS WILL NOT BE PERMITTED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF RUBBISH AND DEBRIS GENERATED BY HIS WORK AND WORKMEN AT FREQUENT INTERVALS OR WHEN ORDERED TO DO SO BY THE OWNER'S AUTHORIZED REPRESENTATIVE
- AT THE TIME OF COMPLETION THE ENTIRE SITE WILL BE CLEARED OF TOOLS, EQUIPMENT, RUBBISH AND DEBRIS WHICH SHALL BE DISPOSED OF OFF-SITE IN A LEGAL DISPOSAL AREA.

TURNOVER ITEMS

- RECORD ACCURATELY ON ONE SET OF CONTRACT DRAWINGS ALL CHANGES IN THE WORK CONSTITUTING DEPARTURES FROM THE ORIGINAL CONTRACT DRAWINGS. THE CHANGES AND DIMENSIONS SHALL BE RECORDED IN A LEGIBLE AND WORKMANLIKE MANNER TO THE
- SATISFACTION OF THE OWNER PRIOR TO FINAL INSPECTION OF WORK, SUBMIT RECORD DRAWINGS TO THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE.
- DIMENSIONS FROM/TO PERMANENT POINTS OF REFERENCE SUCH AS BUILDINGS, SIDEWALKS, CURBS, ETC SHALL BE SHOWN. DATA ON RECORD DRAWINGS SHALL BE RECORDED ON A DAY TO DAY BASIS AS THE PROJECT IS BEING INSTALLED. ALL LETTERING ON DRAWINGS SHALL BE MINIMUM 1/8 INCH IN
- 4. SHOW LOCATIONS AND DEPTHS OF THE FOLLOWING ITEMS

- POINT OF CONNECTION (INCLUDING WATER METERS, BACKELOW PREVENTERS, MASTER CONTROL VALVES
- ROUTING OF SPRINKLER PRESSURE LINES (DIMENSIONS SHOWN AT A MAXIMUM OF 100 FEET ALONG ROUTING)
- AUTOMATIC REMOTE CONTROL VALVES AND ISOLATION BALL VALVES
- QUICK COUPLING VALVES AND ISOLATION BALL VALVES
- ROUTING OF CONTROL WIRES
- IRRIGATION CONTROLLERS
- RELATED EQUIPMENT (AS MAY BE DIRECTED)
 - MAINTAIN RECORD DRAWINGS ON SITE AT ALL TIMES. UPON COMPLETION OF WORK, TRANSFER ALL AS-BUILT INFORMATION AND DIMENSIONS TO REPRODUCIBLE SEPIA PRINTS.
- CONTROLLER CHARTS:
- RECORD DRAWINGS MUST BE APPROVED BY LANDSCAPE ARCHITECT AND/OR OWNER'S AUTHORIZED REPRESENTATIVE BEFORE CHARTS ARE PREPARED.

 PROVIDE ONE CONTROLLER CHART FOR EACH AUTOMATIC CONTROLLER. CHART SHALL SHOW THE AREA
- COVERED BY THE PARTICULAR CONTROLLER
- THE CHART IS TO BE A REDUCED COPY OF THE ACTUAL "RECORD" DRAWING. IN THE EVENT THE CONTROLLER SEQUENCE IS NOT LEGIBLE WHEN THE DRAWING IS REDUCED, IT SHALL BE ENLARGED TO A READABLE SIZE
- WHEN COMPLETED AND APPROVED, THE CHART SHALL BE HERMETICALLY SEALED BETWEEN TWO PIECES OF PLASTIC, EACH PIECE BEING A MINIMUM 20 MILS IN THICKNESS.
- OPERATION AND MAINTENANCE MANUALS:
 - TWO INDIVIDUALLY BOUND COPIES OF OPERATION AND MAINTENANCE MANUALS SHALL BE DELIVERED TO THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE AT LEAST 10 CALENDAR DAYS PRIOR TO FINAL INSPECTION. THE MANUALS SHALL DESCRIBE THE MATERIAL INSTALLED AND THE PROPER OPERATION OF THE SYSTEM.
- EACH COMPLETE, BOUND MANUAL SHALL INCLUDE THE FOLLOWING INFORMATION INDEX SHEET STATING CONTRACTOR'S ADDRESS AND TELEPHONE NUMBER, DURATION OF GUARANTEE PERIOD, LIST OF EQUIPMENT INCLUDING NAMES AND ADDRESSES OF LOCAL MANUFACTURER REPRESENTATIVES.
- OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL FOLIPMEN
- SPARE PARTS LISTS AND RELATED MANUFACTURER INFORMATION FOR ALL EQUIPMENT.

- SUPPLY AS A PART OF THIS CONTRACT THE FOLLOWING ITEMS:
- TWO (2) WRENCHES FOR DISASSEMBLY AND ADJUSTMENT OF EACH TYPE OF SPRINKLER HEAD USED IN
- THREE 30-INCH SPRINKLER KEYS FOR MANUAL OPERATION OF CONTROL VALVES.
- TWO KEYS FOR EACH AUTOMATIC CONTROLLER.

 FIVE QUICK COUPLER KEYS WITH A BRONZE HOSE THREAD 90 DEGREE SWIVEL ATTACHMENT AND FIVE COUPLER LID KEYS.
- FIVE VALVE BOX COVER KEY OR WRENCH.
- ONE 5-FOOT TEE WRENCH FOR OPERATING GATE VALVES 3 INCHES OR LARGER (IF USED). SIX EXTRA SPRINKLER HEADS OF EACH SIZE AND TYPE PER IRRIGATION P.O.C.
- THE ABOVE EQUIPMENT SHALL BE TURNED OVER TO OWNER'S AUTHORIZED REPRESENTATIVE AT THE FINAL

COMPLETION

- AT THE TIME OF THE PRE-MAINTENANCE PERIOD INSPECTION, THE LANDSCAPE ARCHITECT, OWNER'S AUTHORIZED REPRESENTATIVE, AND GOVERNING AGENCIES WILL INSPECT THE WORK, AND IF NOT ACCEPTED, WILL PREPARE A LIST OF ITEMS TO BE COMPLETED BY THE CONTRACTOR. AT THE TIME OF THE POST-MAINTENANCE PERIOD OR FINAL INSPECTION THE WORK WILL BE REINSPECTED AND FINAL ACCEPTANCE WILL BE IN WRITING BY THE LANDSCAPE ARCHITECT, OWNER'S AUTHORIZED REPRESENTATIVE,
- THE OWNER'S AUTHORIZED REPRESENTATIVE SHALL HAVE FINAL AUTHORITY ON ALL PORTIONS OF THE
- AFTER THE SYSTEM HAS BEEN COMPLETED, THE CONTRACTOR SHALL INSTRUCT OWNER'S AUTHORIZED REPRESENTATIVE IN THE OPERATION AND MAINTENANCE OF THE IRRIGATION SYSTEM AND SHALL FURNISH A COMPLETE SET OF OPERATING AND MAINTENANCE INSTRUCTIONS.
- ANY SETTLING OF TRENCHES WHICH MAY OCCUR DURING THE ONE-YEAR PERIOD FOLLOWING ACCEPTANCE SHALL BE REPAIRED TO THE OWNER'S SATISFACTION BY THE CONTRACTOR WITHOUT ANY ADDITIONAL EXPENSE TO THE OWNER. REPAIRS SHALL INCLUDE THE COMPLETE RESTORATION OF ALL DAMAGE TO PLANTING, PAVING OR OTHER IMPROVEMENTS OF ANY KIND AS A RESULT OF THE WOR.

- THE ENTIRE SPRINKLER SYSTEM, INCLUDING ALL WORK DONE LINDER THIS CONTRACT SHALL BE UNCONDITIONALLY GUARANTEED AGAINST ALL DEFECTS AND FAULT OF MATERIAL AND WORKMANSHIP INCLUDING SETTLING OF BACK FIELD AREAS BELOW GRADE, FOR A PERIOD OF ONE (1) YEAR FOLLOWING THE FILING OF THE NOTICE OF COMPLETION. SHOULD ANY PROBLEM WITH THE IRRIGATION SYSTEM BE DISCOVERED WITHIN THE GUARANTEE PERIOD, IT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO OWNER WITHIN TEN (10) CALENDAR DAYS OF RECEIPT OF WRITTEN NOTICE FROM OWNER, WHEN THE NATURE OF THE REPAIRS AS DETERMINED BY THE OWNER CONSTITUTE AN EMERGENCY (I.E. BROKEN PRESSURE LINE) THE OWNER MAY PROCEED TO MAKE REPAIRS AT THE CONTRACTOR'S EXPENSE. ANY AND ALL DAMAGES TO EXISTING IMPROVEMENT RESULTING EITHER FROM FAULTY MATERIALS OR WORKMANSHIP OR FROM TH NECESSARY REPAIRS TO CORRECT SAME, SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER BY THE CONTRACTOR, ALL AT NO ADDITIONAL COST TO THE OWNER.
- GUARANTEE SHALL BE SUBMITTED ON CONTRACTORS OWN LETTERHEAD AS FOLLOWS: GUARANTEE SORAMITE STATE DE SOMMITTE ON CONTINUE CONSTRUCTION OF THE FIREMEND AS FOLLOWS: OGNAMITE FOR SPRINKLER IRRIGATION SYSTEM WE HEREBY GUARANTEE THAT THE SPRINKLER IRRIGATION SYSTEM WE HAVE FURNISHED AND INSTALLED IS FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP, AND THE WORK HAS BEEN COMPLETED IN ACCORDANCE WITH THE DRAWINGS AND STREET OF THE WORK HAS BEEN COMPLETED IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, ORDINARY WEAR AND TEAR AND UNUSUAL ABUSE, OR NEGLECT EXCEPTED. WE AGREE TO REPAIR OR REPLACE ANY DEFECTIVE MATERIAL

DURING THE PERIOD OF ONE YEAR FROM DATE OF FILING OF THE NOTICE OF COMPLETION AND ALSO TO DORAINO THE PERIOD OF OWN. TEAR FROM DIE OF FIELD OF THE WORLD OF COMPLETE AND ADDITIONAL COST TO THE OWNER. WE SHALL MAKE SUCH REPAIRS OR REPLACING OF SUCH DEFECTS AT NO ADDITIONAL COST TO THE OWNER. WE SHALL MAKE SUCH REPAIRS OR REPLACEMENTS WITHIN 10 CALENDAR DAYS FOLLOWING WRITTEN NOTIFICATION BY THE OWNER. IN THE EVENT OF OUR FAILURE TO MAKE SUCH REPAIRS OR REPLACEMENTS WITHIN THE TIME SPECIFIED AFTER RECEIPT OF WRITTEN NOTICE FROM OWNER, WE AUTHORIZE THE OWNER TO PROCEED TO HAVE SAID REPAIRS OR REPLACEMENTS MADE AT OUR EXPENSE AND WE WILL PAY THE COSTS AND CHARGES THEREFORE UPON DEMAND.

> PROJECT LOCATION CONTRACTOR NAME: ADDRESS: TELEPHONE: SIGNED:

PART II - MATERIALS

USE ONLY NEW MATERIALS OF THE MANUFACTURER, SIZE AND TYPE SHOWN ON THE DRAWINGS AND SPECIFICATIONS, MATERIALS OR FOUIPMENT INSTALLED OR FURNISHED THAT DO NOT MEET LANDSCAPE ARCHITECT'S, OWNER'S, OR GOVERNING AGENCIES STANDARDS WILL BE REJECTED AND SHALL BE REMOVED FROM THE SITE AT NO EXPENSE TO THE OWNER.

- PRESSURE SUPPLY LINE FROM POINT OF CONNECTION THROUGH BACKFLOW PREVENTION UNIT SHALL BE TYPE K "HARD" COPPER PIPE OR BRASS NIPPLES (LENGTH AS REQUIRED)
- PRESSURE SUPPLY LINES 2 INCHES IN DIAMETER AND UP TO 2.5 INCHES IN DIAMETER DOWNSTREAM OF BACKFLOW PREVENTION UNIT SHALL BE CLASS 315 SOLVENT WELD PVC. PIPING SHALL CONFORM TO ASTM D2241.
- PRESSURE SUPPLY LINES 3 INCHES IN DIAMETER AND UP TO 8 INCHES IN DIAMETER DOWNSTREAM OF BACKFLOW PREVENTION UNIT SHALL BE CLASS 200 GASKET JOINT PVC. PIPING SHALL CONFORM
- PRESSURE SUPPLY LINES 1.5 INCHES IN DIAMETER AND SMALLER OF THE BACKFLOW PREVENTION UNIT SHALL BE SCHEDULE 40 SOLVENT WELD PVC CONFORMING TO ASTM D1785.
- NON-PRESSURE LINES .75 INCHES IN DIAMETER AND LARGER DOWNSTREAM OF THE REMOTE CONTROL VALVE SHALL BE SCH. 40 PVC.
- F. ALL SPECIALIZED PIPING SHALL BE AS INDICATED ON THE DRAWING LEGEND OR DETAILS.
- METAL PIPE AND FITTINGS
- BRASS PIPE SHALL BE 85 PERCENT RED BRASS, ANSI, IPS STANDARD 125 POUNDS, SCHEDULE 40
- BRASS FITTINGS SHALL BE MEDIUM BRASS, SCREWED 125-POUND CLASS.
- COPPER PIPE SHALL BE "HARD" TYPE K OR AS NOTED ON THE DRAWING LEGEND OR DETAILS.
- D. COPPER FITTINGS SHALL BE SOLDERED TYPE
- PLASTIC PIPE AND FITTINGS
- PIPE SHALL BE MARKED CONTINUOUSLY WITH MANUFACTURER'S NAME NOMINAL PIPE SIZE SCHEDULE OR CLASS, PVC TYPE AND GRADE, NATIONAL SANITATION FOUNDATION APPROVAL COMMERCIAL STANDARDS DESIGNATION, AND DATE OF EXTRUSION.
- ALL PLASTIC PIPE SHALL BE EXTRUDED OF AN IMPROVED PVC VIRGIN PIPE COMPOUND IN ACCORDANCE WITH ASTM D2241 OR ASTM D1784.
- ALL PVC FITTINGS SHALL BE STANDARD WEIGHT SCHEDULE 40 AND SHALL BE INJECTION MOLDED OF AN IMPROVED VIRGIN PVC FITTING COMPOUND. SLIP PVC FITTINGS SHALL BE THE "DEEP SOCKET" BRACKETED TYPE. THREADED PLASTIC FITTINGS SHALL BE INJECTION MOLDED. ALL TEES AND ELLS SHALL BE SIDE GATED. ALL FITTINGS SHALL CONFORM TO ASTM D2466.
- ALL THREADED NIPPLES SHALL BE STANDARD WEIGHT SCHEDULE 80 WITH MOLDED THREADS AND SHALL CONFORM TO, ASTM D1785.
- ALL SOLVENT CEMENTING OF PLASTIC PIPE AND FITTINGS SHALL BE A TWO-STEP PROCESS. USING PRIMER AND SOLVENT CEMENT APPLIED PER THE MANUFACTURER'S RECOMMENDATIONS. CEMENT SHALL BE OF A FLUID CONSISTENCY, NOT GEL-LIKE OR ROPY. SOLVENT CEMENTING SHALL BE IN CONFORMANCE WITH ASTM D2564 AND ASTM D2855
- F. WHEN CONNECTION IS PLASTIC TO METAL, FEMALE ADAPTERS SHALL BE HAND TIGHTENED, PLUS ONE TURN WITH A STRAP WRENCH. JOINT COMPOUND SHALL BE NON-LEAD BASE TEFLON PASTE, TAPE, OR EQUAL.



Exp:

·········		~				
SOLANA BEACH FIRE DEPARTMENT	SANTA FE IRRIGATION DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES APP'D DATE	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	DENGH MARK
	Reviewed By:			RECOMMENDED FOR AFFROYAL	AFFROVED FOR CONSTRUCTION	BENCH MARK
By: Fire Chief Date:	District Representative Date:	Drawn By By: Date:		By:	By:	THE BENCHMARK FOR THIS SURVEY IS G.P.S. STATION NO. 2001 (SOLB—1) 2.5° CTV OF SOLANA BEACH BRASS DISC ON CONCRETE DRAINAGE INLET ON THE EAST SHOULDER OF HIGHWAY 101, 0.1 MILE SOUTH OF LOMAS SANTA FE DRIVE. ELEV.: 69.28 N.G.Y.D. 29 DATUM: M.S.L.

CITY OF SOLANA BEACH ENGINEERING DEPARTMENT DRAWING NO. IMPROVEMENT PLANS FOR CG - 3180SOLANA BEACH 101 Sheet 15 of 18

R.C.E.:

IRRIGATION SPECIFICATIONS

PART II - MATERIALS (CONT.)

2.05 BACKFLOW PREVENTION UNITS

- THE BACKFLOW PREVENTION UNIT SHALL BE OF THE MANUFACTURER, SIZE, AND TYPE INDICATED ON THE
- THE BACKFLOW PREVENTION UNIT SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH BY
- THE BACKFLOW PREVENTION ASSEMBLY SHALL CONSIST OF BRASS PIPING, UNIONS AND FITTINGS.

2.06 VALVES

- GATE VALVES
- GATE VALVES.

 GATE VALVES SHALL BE OF THE MANUFACTURER, SIZE, AND TYPE INDICATED ON THE DRAWINGS.
- GATE VALVES SHALL BE CONSTRUCTED OF A BRONZE BODY, BONNET AND DISC, AND A MALLEABLE IRON HANDWHEEL GATE VALVES SHALL HAVE THREADED CONNECTIONS.

 ALL GATE VALVES SHALL HAVE A MINIMUM WORKING PRESSURE OF NOT LESS THAN 150 PSI AND SHALL
- CONFORM TO AWWA STANDARDS.

- BALL VALVES SHALL BE OF THE MANUFACTURER, SIZE, AND TYPE INDICATED ON THE DRAWINGS
 BALL VALVES SHALL BE CONSTRUCTED OF A BRONZE BODY, STAINLESS STEEL BALL AND STEM, MALLEABLE IRON
 HANDLE BALL VALVES SHALL HAVE THREADED CONNECTIONS.
- 3." ALL BALL VALVES SHALL HAVE A MINIMUM WORKING PRESSURE OF NOT LESS THAN 150 PSI AND SHALL CONFORM TO

QUICK COUPLER VALVES:

- OUICK COUPLER VALVES SHALL BE OF THE MANUFACTURER, SIZE, AND TYPE INDICATED ON THE DRAWINGS. OUICK COUPLER VALVES SHALL BE BRASS WITH A WALL THICKNESS GUARANTEED TO WITHSTAND NORMAL WORKING PRESSURE OF 150 PSI WITHOUT LEAKAGE, VALVES SHALL HAVE FEMALE THREADS OPENING AT BASE, WITH TWO-PIECE BOOY, VALVES TO BE OPERATED ONLY WITH A COUPLER KEY, DESIGNED FOR THAT PURPOSE, COUPLER KEY IS INSERTED INTO VALVE AND A POSITIVE, WATERTIGHT CONNECTION SHALL BE MADE BETWEEN THE COUPLER
- KEY AND VALVE. HINGE COVER SHALL BE THE LOCKING TYPE CONSTRUCTED OF BRASS WITH A RUBBER-LIKE VINYL COVER.

 VINYL QUICK COUPLER COVER FOR RECLAIMED WATER QUICK COUPLER VALVES TO BE PURPLE IN COLOR WITH THE WORDS "WARNING-RECYCLED (RECLAIMED) WATER-DO NOT DRINK PERMANENTLY MARKED ON LID FOR RECYCLED
- AUTOMATIC CONTROL VALVES:
- AUTOMATIC CONTROL VALVES SHALL BE OF THE MANUFACTURER, SIZE, AND TYPE INDICATED ON THE DRAWINGS.
- AUTOMATIC CONTROL VALVES SHALL BE ELECTRICALLY OPERATED.

- ANTI-DRAIN VALVES SHALL BE OF THE MANUFACTURER, SIZE, AND TYPE INDICATED ON THE DRAWNGS.
- ANTI-DRAIN VALVES SHALL HAVE 18-8 STANLESS STEEL SPRINGS AND VALVE STEMS WITH BUNANNA-N SEALS ANTI-DRAIN VALVES WILL HAVE THREADED CONNECTIONS THE SIZE OF THE RISER OR PIPE THEY ARE TO BE INSTALLED ONTO, OR THE NEXT AVAILABLE SIZE. NO SLIP CONNECTION ANTI-DRAIN VALVES ARE ALLOWED.
- 2.07
- VALVE BOXES SHALL BE FABRICATED FROM A DURABLE, WEATHER-RESISTANT PLASTIC MATERIAL RESISTANT TO SUNLIGHT AND CHEMICAL ACTION OF SOILS.
- THE VALVE BOX COVER SHALL BE GREEN IN COLOR AND SECURED WITH BOLTS.
- THE COVER AND BOX SHALL BE CAPABLE OF SUSTAINING A LOAD OF 1,500 POUNDS
- VALVE BOX EXTENSIONS SHALL BE BY THE SAME MANUFACTURER AS THE VALVE BOX
- AUTOMATIC CONTROL AND MASTER VALVE BOXES SHALL BE 16"X11"X12" RECTANGULAR SIZE. VALVE BOX COVERS SHALL BE "HEAT BRANDED" IN 2" HIGH LETTERS WITH EITHER "RCV" WITH THE VALVE IDENTIFICATION NUMBERS OR
- SPECIALITY 'JUMBO' BOXES MAY BE INDICATED ON DRAWINGS AND SHALL BE 25"X15"X12" RECTANGULAR SIZE.
- BALL VALVE GATE VALVE AND OHICK COUPLER VALVE BOXES SHALL BE CIRCULAR 10" SIZE. VALVE BOX COVERS
- 2.08 IRRIGATION CONTROLLER
- CONTROLLER SHALL BE OF THE MANUFACTURER, SIZE AND TYPE INDICATED ON THE DRAWINGS.
- THE CONTROLLER ENCLOSURE SHALL BE OF THE MANUFACTURER, SIZE AND TYPE INDICATED ON THE DRAWINGS. THE ENCLOSURE SHALL ALSO ENCLOSE THE CONTROLLER ELECTRICAL METER.

THE CONTROLLER SHALL BE OF THE MANUFACTURER, SIZE AND TYPE REQUIRED BY THE CITY OF SOLANA BEACH

- 2.09 FLECTRICAL
- ALL ELECTRICAL EQUIPMENT SHALL BE NEMA TYPE 3, WATERPROOFED FOR EXTERIOR INSTALLATIONS.
- B. ALL ELECTRICAL WORK SHALL CONFORM TO LOCAL CODES AND ORDINANCES.
- 2.10 LOW VOLTAGE CONTROL WIRING
- REMOTE CONTROL WIRE SHALL BE DIRECT-BURIAL AWG-UF TYPE. SIZE AS INDICATED ON THE DRAWINGS, AND IN NO CASE SMALLER THAN 14 GAUGE.
- CONNECTIONS SHALL BE EITHER EPOXY-SEALED PACKET TYPE OR PENN-TITE CONNECTORS. SPLICES ARE NOT
- COMMON WIRES SHALL BE WHITE IN COLOR, AND IN NO CASE SMALLER THAN 14 GAUGE. CONTROL WIRES SHALL BE RED (WHERE TWO OR MORE CONTROLLERS ARE USED), THE CONTROL WIRES SHALL BE A DIFFERENT COLOR FOR EACH
- TWO ADDITIONAL WIRES SHALL BE RUN FROM THE CONTROLLERS TO THE LAST VALVE/VALVE MANIFOLD ON THE MAINLINE AN ADDITIONAL TWO WIRES SHALL BE RUN FOR EACH SPLIT IN THE MAINLINE. A TRACER WIRE SHALL BE RUN ALONG THE ENTIRE LENGTH OF THE MAINLINE.
- GROUND WIRES SHALL BE GREEN IN COLOR, AND IN NO CASE SMALLER THAN 6 GAUGE.
- F. PROVIDE A 24" LONG EXPANSION LOOP FOR ALL DIRECTIONAL CHANGES IN CONTROL WIRE ROUTING.
- SPRINKLER HEADS SHALL BE OF THE MANUFACTURER SIZE, TYPE, WITH RADIUS OF THROW, OPERATING PRESSURE, AND DISCHARGE RATE INDICATED ON THE DRAWINGS.
- B. POP-UP HEADS AND RISER HEADS SHALL BE USED AS INDICATED ON THE DRAWINGS

PART III - EXECUTION

3.01 SITE CONDITIONS

- PRIOR TO ALL WORK OF THIS SECTION, CAREFULLY INSPECT THE INSTALLED WORK OF ALL OTHER TRADES AND VERIFY THAT ALL SUCH WORK IS COMPLETE TO THE POINT WHERE THIS INSTALLATION MAY PROPERLY COMMENCE.
- VERIFY THAT IRRIGATION SYSTEM MAY BE INSTALLED IN STRICT ACCORDANCE WITH ALL PERTINENT CODES AND REGULATIONS, THE ORIGINAL DESIGN, THE REFERENCED STANDARDS, AND THE MANUFACTURER'S RECOMMENDATIONS
- DISCREPANCIES
- IN THE EVENT OF DISCREPANCY, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE.
- 2. DO NOT PROCEED WITH INSTALLATION IN AREAS OF DISCREPANCY UNTIL ALL DISCREPANCIES HAVE BEEN

- BEFORE STARTING WORK, CAREFULLY CHECK ALL GRADES TO DETERMINE THAT WORK MAY SAFEL' PROCEED, KEEPING WITHIN THE SPECIFIED MATERIAL DEPTHS WITH RESPECT TO FINISH GRADE.
 FINAL GRADES SHALL BE ACCEPTED BY THE ENGINEER BEFORE WORK ON THIS SECTION WILL BE ALLOWED
- TO BEGIN. FIELD MEASUREMENTS:
- MAKE ALL NECESSARY MEASUREMENTS IN THE FIELD TO ENSURE PRECISE FIT OF ITEMS IN ACCORDANCE WITH THE ORIGINAL DESIGN. COORDINATE THE INSTALLATION OF ALL IRRIGATION MATERIALS WITH ALL OTHER
- ALL SCALED DIMENSIONS ARE APPROXIMATE. THE CONTRACTOR SHALL CHECK AND VERIFY ALL SIZE DIMENSIONS PRIOR TO PROCEEDING WITH WORK UNDER THIS SECTION.
- 3 EXERCISE EXTREME CARE IN EXCAVATING AND WORKING NEAR EXISTING UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO UTILITIES WHICH ARE CAUSED BY HIS OPERATIONS NEGLECT.
- DIAGRAMMATIC INTENT
 - DIAGRAMMATIC INTENT:
 THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC. THE SIZE AND LOCATION OF
 EQUIPMENT AND FIXTURES ARE DRAWN TO SCALE WHERE POSSIBLE. PROVIDE
 OFFSETS IN PIPING CHANGES IN EQUIPMENT LOCATIONS AS NECESSARY TO CONFORM
 WITH STRUCTURES AND TO AVOID OBSTRUCTIONS OR CONFLICTS WITH OTHER WORK AT NO ADDITIONAL EXPENSE TO OWNER

- LAYOUT:
 PRIOR TO INSTALLATION, THE CONTRACTOR SHALL STAKE OUT ALL PRESSURE
 SUPPLY LINES, ROUTING AND LOCATION OF SPRINKLER HEADS, VALVES,
 BACKFLOW PREVENTER, AND AUTOMATIC CONTROLLER.
 LAYOUT IRRIGATION SYSTEM AND MAKE MINOR ADJUSTMENTS REDUIRED DUE TO
 DIFFERENCES BETWEEN SITE AND DRAWINGS. WHERE PIPING IS SHOWN ON
 DRAWINGS UNDER PAVED AREAS, BUT RUNNING PARALLEL AND ADJACENT TO
 PLANTED AREAS, INSTALL THE PIPING IN THE PLANTED AREAS.
- WATER SUPPLY CONNECTIONS TO, OR THE INSTALLATION OF, THE WATER SUPPLY SHALL BE AT THE LOCATIONS SHOWN ON THE DRAWINGS. MINOR CHANGES CAUSED BY ACTUAL SITE CONDITIONS SHALL BE MADE AT NO ADDITIONAL EXPENSE TO
- ELECTRICAL SERVICE:

 CONNECTIONS TO THE ELECTRICAL SUPPLY SHALL BE AT THE LOCATIONS SHOWN ON THE DRAWINGS. MINOR CHANGES CAUSED BY SITE CONDITIONS SHALL BE MADE AT NO ADDITIONAL EXPENSE TO OWNER CONTRACTOR SHALL MAKE 120 VOLT CONNECTION TO THE IRRIGATION CONTROLLERS. ELECTRICAL POWER SOURCE TO CONTROLLER LOCATIONS SHALL BE PROVIDED.
- BY OTHERS.

TRENCHING

- A. EXCAVATIONS SHALL BE STRAIGHT WITH VERTICAL SIDES, EVEN GRADE, AND SUPPORT PIPE CONTINUOUSLY ON BOTTOM OF TRENCH TRENCHING EXCAVATION SHALL FOLLOW LAYOUT INDICATED ON DRAWINGS TO THE DEPTHS BELOW FINISHED GRADE AND AS NOTED. WHERE LINES OCCUR UNDER PAVED AREA, THESE DIMENSIONS SHALL BE CONSIDERED BELOW SUBGRADE
- PROVIDE MINIMUM COVER OF 18 INCHES ON PRESSURE SUPPLY LINES 2 1/2 INCHES AND SMALLER, PROVIDE MINIMUM COVER OF 24 INCHES ON PRESSURE SUPPLY LINES 3 INCHES, AND 36 INCHES OF COVER ON PRESSURE SUPPLY LINES 4 INCH AND
- C. PROVIDE MINIMUM COVER OF 18 INCHES FOR CONTROL WIRES
- D. PROVIDE MINIMUM COVER OF 12 INCHES FOR NON-PRESSURE LINES
- PIPES INSTALLED IN A COMMON TRENCH SHALL HAVE A 4 INCH MINIMUM SPACE
- F. PROVIDE SAND BACKFILL A MINIMUM OF 4 INCHES OVER AND UNDER ALL MAINLINE

3 03 BACKFILLING

- BACKFILL MATERIAL ON ALL LINES SHALL BE THE SAME AS ADJACENT SOIL FREE OF DEBRIS LITTER AND ROCKS OVER 1/2 INCH IN DIAMETER.
- BACKFILL SHALL BE TAMPED IN 4-INCH LAYERS UNDER THE PIPE AND UNIFORMLY ON BOTH SIDES FOR THE FULL WIDTH OF THE TRENCH AND THE FULL LENGTH OF THE PIPE. BACKFILL MATERIALS SHALL BE SUFFICIENTLY DAMP TO PERMIT THOROUGH COMPACTION, FREE OF VOIDS. BACKFILL SHALL BE COMPACTED TO DRY DENSITY FOUAL TO ADJACENT UNDISTURBED SOIL AND SHALL CONFORM TO
- C. FLOODING IN LIEU OF TAMPING IS NOT ALLOWED.
- D. UNDER NO CIRCUMSTANCES SHALL TRUCK WHEELS BE USED TO COMPACT BACKFILL.
- E. PROVIDE SAND BACKFILL A MINIMUM OF 6 INCHES OVER AND UNDER ALL PIPING UNDER PAVED AREAS.

- PIPING UNDER EXISTING PAVEMENT MAY BE INSTALLED BY JACKING, BORING, OR HYDRAULIC DRIVING. NO HYDRAULIC DRIVING IS PERMITTED UNDER ASPHALT PAVEMENT.
- CUTTING OR BREAKING OF EXISTING PAVEMENT IS NOT PERMITTED.
- CAREFULLY INSPECT ALL PIPE AND FITTINGS BEFORE INSTALLATION, REMOVING DIRT, SCALE, BURRS REAMING. INSTALL PIPE WITH ALL MARKINGS UP FOR VISUAL INSPECTION AND VERIFICATION
- REMOVE ALL DENTED AND DAMAGED PIPE SECTIONS.
- ALL LINES SHALL HAVE A MINIMUM CLEARANCE OF 6 INCHES FROM EACH OTHER AND 12 INCHES FROM
- PARALLEL LINES SHALL NOT BE INSTALLED DIRECTLY OVER EACH OTHER
- IN SOLVENT WELDING, USE ONLY THE SPECIFIED PRIMER AND SOLVENT CEMENT AND MAKE ALL JOINTS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED METHODS INCLUDING WIPING ALL EXCESS SOLVENT FROM EACH WELD. ALLOW SOLVENT WELDS AT LEAST 15 MINUTES SETUP TIME BEFORE MOVING OR HANDLING AND 24 HOURS CURING TIME BEFORE FILLING.
- PVC PIPE SHALL BE INSTALLED IN A MANNER WHICH WILL PROVIDE FOR EXPANSION CONTRACTION AS RECOMMENDED BY THE PIPE MANUFACTURER
- CENTERLOAD ALL PLASTIC PIPE PRIOR TO PRESSURE TESTING.
- ALL THREADED PLASTIC-TO-PLASTIC CONNECTIONS SHALL BE ASSEMBLED USING TEFLON TAPE OR
- FOR PLASTIC-TO-METAL CONNECTIONS, WORK THE METAL CONNECTIONS FIRST. USE A NON-HARDENING PIPE DOPE AN ALL THREADED PLASTIC-TO-METAL CONNECTIONS, EXCEPT WHERE NOTED OTHERWISE. ALL PLASTIC-TO-METAL CONNECTIONS SHALL BE MADE WITH PLASTIC FEMALE ADAPTERS.
- ALL CONNECTIONS BETWEEN PVC LATERAL LINES SHALL BE MADE USING SCH. 40 PVC FITTINGS WITH COMPRESSION ADAPTERS. ALL CONNECTIONS BETWEEN DRIPPERLINES TO BE MADE USING COMPRESSIC FITTINGS OF MANUFACTURER OF THE DRIPPERLINE. USE NO PIPE DOPE, TEFLON TAPE, PRIMER OR SOLVENT CEMENT ON COMPRESSION FITTINGS

- THE EXACT LOCATION OF THE CONTROLLER SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE BEFORE INSTALLATION. THE ELECTRICAL SERVICE SHALL BE COORDINATED WITH THIS LOCATION.
- THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL FLECTRICAL HOOK UP TO
- THE IRRIGATION SYSTEM SHALL BE PROGRAMMED TO OPERATE DURING THE PERIODS OF MINIMAL USE OF
- INSTALL CONTROLLER ENCLOSURE AS RECOMMENDED BY THE MANUFACTURER.
- 3.06 CONTROL WIRING
- LOW VOLTAGE CONTROL WRING SHALL OCCUPY THE SAME TRENCH AND SHALL BE INSTALLED ALONG THE SAME ROUTE AS THE PRESSURE SUPPLY LINES WHENEVER POSSIBLE.
- WHERE MORE THAN ONE WIRE IS PLACED IN A TRENCH THE WIRING SHALL RE TAPED TOGETHER IN A BUNDLE AT INTERVALS OF 10 FEET. BUNDLE SHALL BE SECURED TO THE MAINLINE WITH TAPE AT INTERVALS OF 20 FEET.
- ALL CONNECTIONS SHALL BE OF AN APPROVED TYPE AND SHALL OCCUR IN A VALVE BOX. PROVIDE AN
- AN EXPANSION LOOP OF 12 INCHES SHALL BE PROVIDED AT EACH WIRE CONNECTION AND FOR DIRECTIONAL CHANGE, AND ONE OF 24 INCHES SHALL BE PROVIDED AT EACH REMOTE CONTROL VALVE.
- A CONTINUOUS RUN OF WIRE SHALL BE USED BETWEEN A CONTROLLER AND EACH REMOTE CONTROL VALVE. UNDER NO CIRCUMSTANCES SHALL SPLICES BE USED WITHOUT PRIOR APPROVAL

- AUTOMATIC CONTROL VALVES, BALL VALVES, GATE VALVES, AND QUICK COUPLER VALVES SHALL BE INSTALLED IN THE APPROXIMATE LOCATIONS INDICATED ON THE DRAWINGS
- VALVE SHALL BE INSTALLED IN SHRUB AREAS WHENEVER POSSIBLE
- C. INSTALL ALL VALVES AS INDICATED IN THE DETAIL DRAWINGS
- VALVES TO BE INSTALLED IN VALVE BOXES SHALL BE INSTALLED ONE VALVE PER BOX
- REMOTE CONTROL VALVES AND QUICK COUPLER VALVES SHALL BE ISOLATED FROM THE MAINLINE BY A BALL VALVE SIZED PER THE LARGEST R.C.V. IN THE MANIFOLD OR 1 1/2 INCH FOR Q.C.V.'S.

3.08

- A. VALVE BOXES SHALL BE INSTALLED IN SHRUB AREAS WHENEVER POSSIBLE.
- EACH VALVE BOX SHALL BE INSTALLED ON A FOUNDATION OF 3/4 INCH GRAVEL BACKFILL, 2 CUBIC FEET MINIMUM. VALVE BOXES SHALL BE INSTALLED WITH THEIR TOPS 1/2 INCH ABOVE THE SURFACE OF SURROUNDING FINISH GRADE IN LAWN AREAS AND 3 INCHES ABOVE FINISH GRADE IN GROUND COVER

BACKFLOW PREVENTERS

- INSTALL BACKFLOW PREVENTER UNIT AS INDICATED IN THE DETAIL DRAWINGS.
- INSTALL BACKFLOW ASSEMBLIES AT LOCATIONS APPROVED IN THE FIELD AND AT HEIGHT REQUIRED BY
- INSTALL WYE STRAINERS AND PRESSURE REGULATORS ON THE BACKFLOW ASSEMBLY
- IF BACKFLOW PREVENTER IS INSTALLED ADJACENT TO A BUILDING, WALL, OR OTHER OBSTRUCTION, INSTALL UNIT SO THAT THE TEST COCKS ARE FACING OUTWARD AWAY FROM THE OBSTRUCTION.
- F INSTALL BACKFLOW ENCLOSURE AS RECOMMENDED BY THE MANUFACTURER.

- SPRINKLER HEADS
- A. SPRINKLER HEADS SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS.
- B. SPACING OF HEADS SHALL NOT EXCEED MAXIMUM INDICATED ON THE DRAWINGS
- C. RISER NIPPLES SHALL BE OF THE SAME SIZE AS THE RISER OPENING IN THE SPRINKLER BODY.
- POP-UP SPRINKLER HEADS SHALL NOT BE INSTALLED USING SIDE OUTLET OPENINGS.
- RISER NIPPLES ON RECYCLED WATER SYSTEMS SHALL BE IDENTIFIED WITH ADHESIVE VINYL MARKERS BELOW SPRINKLER HEAD AND A MINIMUM OF 10 INCHES ABOVE FINISH GRADE.

- INSTALL ALL ASSEMBLIES SPECIFIED HEREIN ACCORDING TO THE RESPECTIVE DETAIL DRAWINGS OR SPECIFICATIONS, USING BEST STANDARD PRACTICES.
- QUICK COUPLER VALVES SHALL BE SET APPROXIMATELY 12 INCHES FROM WALKS, CURBS, HEADER BOARDS, OR PAVED AREAS WHERE APPLICABLE.
- UNLESS DESIGNED AS AN INTEGRAL PART OF THE IRRIGATION HEAD, ANTI-DRAIN VALVES WILL BE INSTALLED UNDER EVERY HEAD. THE ANTI-DRAIN VALVE WILL BE THE SAME DIAMETER AS THE RISER AND BE INTEGRAL TO THE RISER ASSEMBLY.
- INSTALL RAIN SENSOR AS INDICATED ON THE DRAWINGS AND AS RECOMMENDED BY THE

3.12 FLUSHING THE SYSTEM

- PRIOR TO INSTALLATION OF SPRINKLER NOZZLES, THE VALVES SHALL BE OPENED AND A FULL HEAD OF WATER USED TO FLUSH OUT THE LINES AND RISERS.
- SPRINKLER NOZZLES SHALL BE INSTALLED AFTER FLUSHING THE SYSTEM HAS BEEN COMPLETED.

- CONTRACTOR SHALL ADJUST VALVES, ALIGN HEADS, AND CHECK COVERAGE OF EACH SYSTEM PRIOR TO
- IF IT IS DETERMINED BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE THAT ADDITIONAL ADJUSTMENTS OR NOZZLE CHANGES WILL BE REQUIRED TO PROVIDE PROPER COVERAGE, ALL NECESSARY CHANGES OR ADJUSTMENTS SHALL BE MADE PRIOR TO ANY PLANTING
- C. THE ENTIRE SYSTEM SHALL BE OPERATING PROPERLY BEFORE ANY PLANTING OPERATIONS COMMENCE.
- AUTOMATIC CONTROL VALVES ARE TO BE ADJUSTED SO THAT THE SPRINKLER HEADS OPERATE AT THE

- A DO NOT ALLOW OR CAUSE ANY OF THE WORK OF THIS SECTION TO BE COVERED UP OR ENCLOSED INTIL IT HAS BEEN OBSERVED, TESTED AND ACCEPTED BY THE LANDSCAPE ARCHITECT, OWNER, AND GOVERNING AGENCIES.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR NOTIFYING THE LANDSCAPE ARCHITECT, OWNER, AND GOVERNING AGENCIES, A MINIMUM OF 48 HOURS IN ADVANCE, WHERE AND WHEN THE WORK IS
- WHEN THE SPRINKLER SYSTEM IS COMPLETED, THE CONTRACTOR SHALL PERFORM A COVERAGE TEST OF EACH SYSTEM IN ITS ENTIRETY TO DETERMINE IF THE WATER COVERAGE FOR THE PLANTED AREAS IS COMPLETE AND ADEQUATE IN THE PRESENCE OF THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK REQUIRED TO CORRECT ANY INADEQUACIES OF COVERAGE DUE TO DEVIATIONS FROM THE PLANS, OR WHERE THE SYSTEM HAS BEEN WILLFULLY INSTALLED AS INDICATED ON THE DRAWINGS WHEN IT IS OBVIOUSLY INADEQUATE, WITHOUT BRINGING THIS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THIS TEST SHALL BE ACCEPTED BY THE LANDSCAPE ARCHITECT AND ACCOMPLISHED BEFORE STARTING ANY PLANTING.
- E. FINAL INSPECTION WILL NOT COMMENCE WITHOUT RECORD DRAWINGS AS PREPARED BY THE IRRIGATION

DURING THE MAINTENANCE PERIOD THE CONTRACTOR SHALL ADJUST AND MAINTAIN THE IRRIGATION SYSTEM IN A FULLY OPERATIONAL CONDITION PROVIDING COMPLETE IRRIGATION COVERAGE TO ALL INTENDED PLANTINGS.

CLEAN-LIP SHALL BE MADE AS EACH PORTION OF THE WORK PROGRESSES. REFUSE AND EXCESS DIRT SHALL BE REMOVED FROM THE SITE, ALL WALKS AND PAYING SHALL BE BROOMED, AND ANY DAMAGE SUSTAINED ON THE WORK OF OTHERS SHALL BE REPAIRED TO ORIGINAL CONDITIONS

END OF SECTION



AS-BUILT

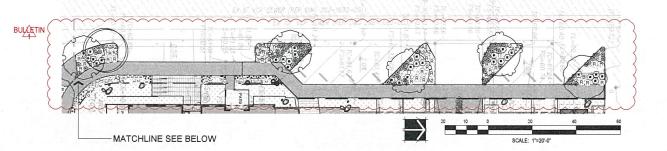
R.C.E.:

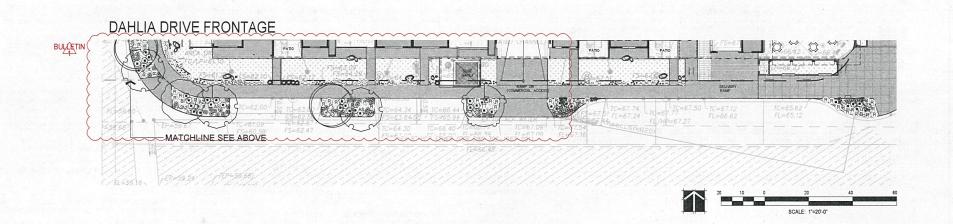
ENGINEER OF WORK CITY APPROVED CHANGES APP'D DATE CITY OF SOLANA BEACH DRAWING NO SOLANA BEACH FIRE DEPARTMENT ENGINEERING DEPARTMENT SANTA FE IRRIGATION DISTRICT RECOMMENDED FOR APPROVAL APPROVED FOR CONSTRUCTION BENCH MARK Reviewed By OR THIS SURVEY IS G.P.S. STATION NO. IMPROVEMENT PLANS FOR CG-3180 2001 (SOLB-1) 2.5" CITY OF SOLANA BEACH BRASS DISC O CONCRETE DRAINAGE INLET ON THE EAST SHOULDER OF HIGHWAY 101, 0.1 MILE SOUTH OF LOMAS SANTA FE DRIVE. SOLANA BEACH 101 Mohammad Sammak, City Enginee Sheet 16 of 18 R.C.E.: 37146 Exp: 6/30/20 ELEV.: 69.28 N.G.V.D. 29 DATUM: M.S.L. Fire Chief Date: ___ District Representative Date:

SIERRA AVENUE FRONTAGE

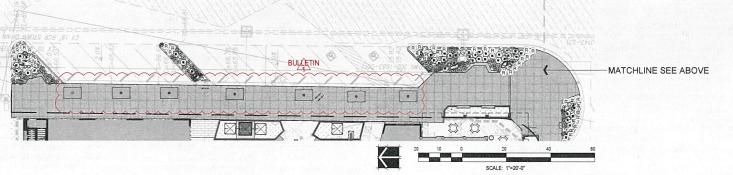
PLANT	SCHEDULE		BULCETIN			
TREES	BOTANICAL NAME	COMMON NAME	CONTAINER	WUCOLS	QTY (MAX HT.
(AS)	Acacia stenophylla	Shoestring Acacia STD	48" box	LOW	4 (25'
	Banksia integrifolia	Coast Banksia STD	36" BOX	VERY LOW	2	> 40'
	Platanus racemosa	California Sycamore STD	48" box	MEDIUM	2	30'
7	Tipuana tipu	Tipu Tree STD	48" box	LOW	3 (30'
SHRUBS	BOTANICAL NAME	COMMON NAME	CONTAINER	WUCOLS	QTY (MAX HT.
Á2	Agave attenuata	Foxtail Agave	15 gal.	LOW	48	<5'
Æ3	Agave filifera	Century Plant	5 gal.	LOW	9	<5'
(Á43	Agave parryi couesii	Parry`s Agave	5 gal.	LOW	41 (<5'
(A6)	Agave x `Blue Glow`	Blue Glow Agave	5 gal.	LOW	2 (<5'
(AL3)	Aloe striata	Coral Aloe	5 gal.	LOW	6	<5'
£	Aloe vera	Medicinal Aloe	15 gal.	LOW	209	<5'
(AL4)	Aloe vera	Medicinal Aloe	5 gal.	LOW	20	<5'
(CA)	Crassula arborescens	Silver Dollar Plant	5 gal.	LOW	2	<5'
(00)	Dracaena draco	Dragon Tree	24" box	LOW	1 (15'
(H)	Lavandula heterophylla	Lavender	5 gal.	LOW	5 (<5'
	Lomandra longifolia `Breeze`	Dwarf Mat Rush	5 gal.	LOW	9	<5'
0	Mahonia eurybracteata 'Soft Caress'	Soft Caress Mahonia	5 gal,	LOW	2	<5'
•	Muhlenbergia rigens	Deer Grass	5 gal.	LOW	99	<5'
(R)	Rosmarinus officinalis `Lockwood de Forest`	Dwarf Rosemary	5 gal.	LOW	91	<5'
+	Senecio serpens	Blue Chalksticks	1 gal.	LOW	99	<5'
					(

*TYPICAL MAXIMUM HEIGHT. SPECIES HAS BEEN OBSERVED TO GROW TO A 50' HEIGHT IN RARE CONDITIONS





HIGHWAY 101 FRONTAGE

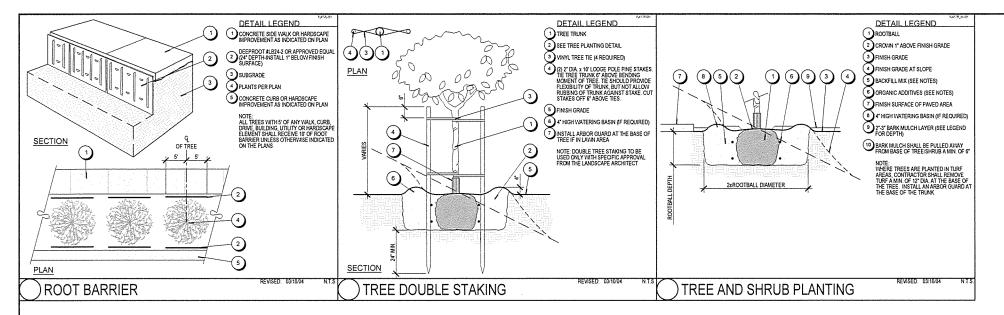




45-	BU	ILT	

SOLANA BEACH FIRE DEPARTMENT SANTA FE IRRIGATION DISTRICT ENGINEER OF WORK CITY APPROVED CHANGES RECOMMENDED FOR APPROVAL APPROVED FOR CONSTRUCTION BENCH MARK Reviewed By: THE BENCHMARK FOR THIS SURVEY IS G.P.S. STATION NO. 2001 (SOLB—1) 2.5° CITY OF SOLANA BEACH BRASS DISC OCONCRETE DRANAGE INLET ON THE EAST SHOULDER OF HIGHWAY 101. O.1 MILE SOUTH OF LOMAS SANTA FE DRIVE. ELEY: 69.28 N.G.V.D. 29 DATUM: M.S.L. Mohammad Sammak, City Engineer R.C.E.: 37146 Exp: 6/30/20 Fire Chief

	CITY OF SOLANA BEACH	ENGINEERING DEPARTMENT	DRAWING NO.
D. C ON	IMPROVEMENT PLANS FOR: SOLANA BEACH 101		CG-3180
			Sheet 17 of 18



GENERAL NOTES:

1. ALL BARE SOIL AREAS SHALL BE COVERED WITH A 3" LAYER OF DARK BROWN BARK MULCH' UNLESS SHOWN OTHERWISE ON PLAN. DECORATIVE GRAVEL SHALL BE USED WITHIN 12" OF A STRUCTURE.

GRAVEL SHALL BE USED WITHIN 12" OF A STRUCTURE.

2. ALL STREET TREES HAVE BEEN SELECTED (AND SHALL BE MAINTAINED)
SUCH THAT AT MATURE SIZE SCAFFOLD BRANCHES WILL BE A MINIMUM OF
60" ABOVE THE FINISHED GRADE.
3. ALL SUCCULENTS REQUIRE CACTUS MIX OR OTHER APPROVED SOIL
TYPE TO BE PLACED MIN. 12" AROUND THE BASE OF EACH PLANT. NO

A ALL TREES PLANTED WITHIN 5' OF HARDSCAPE MUST BE INSTALLED WITH A ROOT BARRIER ALONG THE HARDSCAPE EDGE SPANNING OUT 5' IN EACH DIRECTION FROM THE CENTER OF THE TREE FOR A TOTAL LENGTH OF 10' - REFER TO ROOT BARRIER DETAIL

5. REFER TO PLANTING DETAILS FOR PLANTING INSTRUCTIONS 3 REPERTO PLANTING DETINES FOR PLANTING INSTITUCTIONS
OF THE COUNTY-WIDE LANDSCAPE REGULATIONS AND THE SOLAND
OF THE COUNTY-WIDE LANDSCAPE REGULATIONS AND THE SOLAND
BEACH GUIDELINES ALONG WITH ALL OTHER APPLICABLE STANDARDS
OCONTRACTOR TO ENSURE THAT TREE LOCATIONS AVOID UTILITIES AND ARE SPOTTED PER LANDSCAPE ARCHITECT'S SITE DIRECTION. TREE INSTALLATION SHALL ALSO INCLUDE COORDINATION OF DELIVERY AND PROTECTION OF TREES PRIOR TO INSTALLATION, KNOWLEDGE OF UNDERGROUND UTILITIES, PROPER DRAINAGE, AND STAKING PER

STANDARD DETAIL.

10. PRIOR TO PLANTING, LANDSCAPE CONTRACTOR SHALL PROVIDE AN AGRICULTURAL SOILS ANALYSIS AND AMEND SOIL PER ANALYSIS RECOMMENDATIONS.

THE ENTIRE PROPERTY SHALL BE PERMANENTLY MAINTAINED BY THE

PLANTING AND SOIL SPECIFICATIONS

- 1. A. THE PLANTING PLAN IS DIAGRAMMATIC. ALL PLANT LOCATIONS ARE APPROXIMATE. PLANT SYMBOLS TAKE
- PRECEDENCE OVER PLANT QUANTITIES SPECIFIED.

 B. QUANTITIES SHOWN ON THE PLANTING PLAN ARE APPROXIMATE AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR.
- C CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF THE DISCREPANCIES BETWEEN QUANTITIES AND SYMBOLS SHOWN.
 2. LANDSCAPE CONTRACTOR SHALL APPLY AN ORGANIC OR ALL NATURAL CONTACT HERBICIDE, WHERE WEEDS ARE

PRESENT, PER MANUFACTURERS SPECIFICATIONS A MINIMUM OF TEN (10) DAYS PRIOR TO COMMENCEMENT OF ANY PLANTING OR IRRIGATION WORK, WEEDS SHALL BE ALLOWED TO COMPLETELY DIE BACK, INCLUDING THE ROOTS BEFORE PROCEEDING WITH WORK AS AN ALTERNATIVE WEEDS MAY ALSO BE REMOVED MANUALLY FROM THE ROOTS.

A SOIL ANALYSIS REPORT SHALL BE PREPARED AND FOLLOWED. REPORT FINDINGS SHALL SUPERSEDE THE RECOMMENDATIONS HEREIN

IMMEDIATELY FOLLOWING PLANTING, IRRIGATION SYSTEM SHALL BE FULLY OPERATIONAL AND PLANTING AREAS SHALL BE THOROUGHLY SOAKED.

5. ALL AREAS TO BE PLANTED, WHICH HAVE A SLOPE OF LESS THAN 10%, SHALL BE CROSS-RIPPED TO A DEPTH OF SIX (6") INCHES AND THE FOLLOWING AMENDMENTS SPREAD EVENLY AND THOROUGHLY BLENDED IN (QUANTITIES AS PER SOIL ANALYSIS AND MANUFACTURER'S RECOMMENDATION:

A. NITROGEN FORTIFIED REDWOOD SHAVINGS

- ORGANIC FERTILIZER PER MANUFACTURER'S RECOMMENDATIONS
 EACH PLANT SHALL RECEIVE ORGANIC FERTILIZER AS PER MANUFACTURER'S RECOMMENDATIONS FOR EACH PLANT TYPE AND SIZE
- PLANT BACK FILL SHALL BE 50% SITE SOIL, AND 50% ORGANIC AMENDMENTS BY VOLUME.
- ALL PLANTING AREAS SHALL INCLUDE A MINIMUM OF FOUR (4) CUBIC YARDS OF COMPOST PER 1,000 SQ. FT. OF AREA TO

PLANT PITS SHALL BE TWICE THE SIZE OF THE DESIGNATED NURSERY CONTAINER.

- 10. PLANT MATERIAL SHALL NOT BE ROOT BOUND. FIVE GALLON PLANTS AND LARGER SHALL HAVE BEEN GROWN IN CONTAINERS FOR A MINIMUM OF 6 MONTHS AND A MAXIMUM OF TWO YEARS.
- PLANTS SHALL EXHIBIT HEALTHY GROWTH AND BE FREE OF DISEASES AND PESTS. STAKE ALL TREES PER STANDARD DETAIL.

- REMOVE NURSERY STAKES ON ALL VINES AND ATTACH TO ADJACENT FENCES WITH GALV. NAILS AND GREEN NURSERY TAPE OR AS SHOWN IN DETAILS.
- REMOVE NURSERY STAKES AND TIES FROM ALL CONTAINER STOCK. MAINTAIN SIDE GROWTH ON ALL TREES. PLANTS SHALL NOT BE PLACED WITHIN TWELVE (12") INCHES OF SPRINKLER HEADS.
- SHRUBS SHOWN IN PLANT AREAS SHALL BE UNDER-PLANTED WITH GROUNDCOVER SHOWN BY ADJACENT SYMBOL, TO
- 17. LANDSCAPE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 2% DRAINAGE AWAY FROM ALL BUILDINGS, STRUCTURES,
- AND WALLS. NUISANCE ROCKS SHALL BE REMOVED AND FINISHED GRADES SHALL BE SMOOTHED TO ELIMINATE PUDDLING OR STANDING WATER. POSITIVE SURFACE DRAINAGE SHALL BE PROVIDED AWAY FROM ALL BUILDINGS.
- 18. FINISHED GRADES SHALL BE ONE (1) INCH BELOW THE TOP OF CURBS, SILLS, AND WALKWAYS IN ALL AREAS. WHERE SOD IS LAID NEXT TO THESE IMPROVEMENTS-FINISH GRADE BEFORE LAYING SOD SHALL BE 1-1/2" BELOW THE TOP.
- THE LANDSCAPE CONTRACTOR SHALL LEAVE SITE IN A CLEAN CONDITION, REMOVING ALL UNUSED MATERIAL, TRASH, AND TOOLS.
- 20. LANDSCAPE CONTRACTOR SHALL MAINTAIN AND GUARANTEE ALL PLANTINGS FOR A PERIOD OF SIXTY (60) DAYS AFTER COMPLETION. ALL AREAS SHALL BE KEPT CLEAN, WATERED, AND WEED FREE.
 21. AT COMPLETION OF ALL WORK OUTLINED IN THESE PLANS, THE LANDSCAPE CONTRACTOR SHALL CONTACT OWNER AND
- ARRANGE FOR A WALK THROUGH TO DETERMINE THAT ALL ASPECTS OF WORK ARE COMPLETED. WORK MUST BE FULLY COMPLETED ACCORDING TO ALL PLANS AND SPECIFICATIONS AND MUST BE COMPLETED IN A GOOD WORKMANSHIP MANNER AND MUST BE ACCEPTED BY THE OWNER IN WRITING PRIOR TO THE BEGINNING OF THE MAINTENANCE PERIOD.

 22. THE MAINTENANCE PERIOD SHALL INCLUDE THE FOLLOWING SCOPE OF WORK:

DAILY WATERING OF ALL PLANT MATERIAL. WEEKLY MOWING OF ALL TURF AREAS.

- WEEDING AND REMOVAL OF ALL WEEDS FROM GROUND COVER AREAS.
- REPLACEMENT OF ANY DEAD, DYING, OR DAMAGED TREES, SHRUBS, OR GROUND COVERS.
 FILLING AND REPLANTING OF ANY LOW AREAS WHICH MAY CAUSE STANDING WATER.
- ADJUSTING OF SPRINKLER HEAD HEIGHT AND WATERING SYSTEM FILLING AND RECOMPACTION OF ERODED AREAS.

- WEEKLY REMOVAL OF ALL TRASH, LITTER, CLIPPINGS, AND ALL FOREIGN DEBRIS.

 AT 60 DAYS AFTER PLANTING AND PRIOR TO THE END OF THE MAINTENANCE PERIOD, ORGANIC FERTILIZER SHALL BE APPLIED TO PLANTING AREAS AS PER MANUFACTURER'S RECOMMENDATIONS.

23. PRIOR TO END OF MAINTENANCE PERIOD, LANDSCAPE CONTRACTOR SHALL CONTACT OWNER AND ARRANGE FOR A FINAL WALK THROUGH OWNER MUST ACCEPT ALL MAINTAINED AREAS IN WRITING PRIOR TO END OF MAINTENANCE PERIOD. 24. ALL GROUND COVERS SHALL BE GUARANTEED BY THE CONTRACTOR AS TO GROWTH AND HEALTH FOR A PERIOD OF SIXTY (60) DAYS AFTER THE COMPLETION OF MAINTENANCE PERIOD AND FINAL ACCEPTANCE. ALL SHRUBS SHALL BE GUARANTEED BY THE CONTRACTOR AS TO GROWTH AND HEALTH FOR A PERIOD OF NINETY (90) DAYS AFTER COMPLETION OF MAINTENANCE PERIOD AND FINAL ACCEPTANCE. ALL TREES SHALL BE GUARANTEED BY THE CONTRACTOR TO LIVE AND GROW IN AN ACCEPTABLE UPRIGHT POSITION FOR A PERIOD OF ONE (1) YEAR AFTER COMPLETION OF THE SPECIFIED MAINTENANCE PERIOD AND FINAL ACCEPTANCE.

25. THE CONTRACTOR, WITHIN FIFTEEN (15) DAYS OF WRITTEN NOTIFICATION BY THE LANDSCAPE ARCHITECT, SHALL REMOVE AND REPLACE ALL GUARANTEED PLANT MATERIALS, WHICH FOR ANY REASON FAIL TO MEET THE REQUIREMENTS OF THE GUARANTEE REPLACEMENT SHALL BE MADE WITH PLANT MATERIALS AS INDICATED OR SPECIFIED ON THE ORIGINAL PLANS, AND ALL SUCH REPLACEMENT MATERIALS SHALL BE GUARANTEED AS SPECIFIED FOR THE ORIGINAL MATERIAL

26. ALL MECHANICAL EQUIPMENT AND UTILITIES SHALL BE SCREENED BY PLANTING. IF NOT ALREADY INDICATED ON THE PLAN, ALLOW EIGHT 5-GALLON SHRUBS PER UTILITY TO BE PLACED DURING PLANT INSTALLATION AS NEEDED TO PROVIDE



R.C.E.:

SOLANA BEACH FIRE DEPARTMENT	SANTA FE IRRIGATION DISTRICT		ENGINEER OF WORK	CITY APPROVED CHANGES	APP'D DATE	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK	CITY OF SOLANA BEACH	ENGINEERING DEPARTMENT	DRAWING NO.
Ruc	Reviewed By:	Drawn By	By: Date:		Ву		By:Date: Mohammad Sammak, City Engineer	THE BENCHMARK FOR THIS SURVEY IS G.P.S. STATION NO. 2001 (SOLB—1) 2.5° CITY OF SOLANA BEACH BRASS DISC ON CONCRETE DRAINAGE INLET ON THE EAST SHOULDER OF HIGHWAY 101. 0.1 MILE SOUTH OF LOMAS SATIA FE DRIVE.	IMPROVEMENT PLANS FOR: SOLANA BEACH 101		CG-3180
Fire Chief Date:	District Representative Date:	Diamir by	1			: Dote:	R.C.E.: 37146 Exp: 6/30/20	ELEV.: 69:28 N.G.V.D. 29 DATUM: M.S.L.			Sheet 18 of 18