



Agenda

Nov. 6, 2023, 4 p.m.

Council Chamber
1200 Carlsbad Village Drive
Carlsbad, CA 92008

Welcome to Your Traffic Safety & Mobility Commission Meeting

We welcome your interest and involvement in the city's legislative process. This agenda includes information about topics coming before the Traffic Safety & Mobility Commission and the action recommended by city staff. You can read about each topic in the staff reports, which are available on the city website and in the Office of the City Clerk. The Minutes Clerk is also available to answer any questions you have about Traffic Safety & Mobility Commission meeting procedures.

How to watch

In Person



City Council Chamber
1200 Carlsbad Village Drive

Online



Watch the livestream at
carlsbadca.gov/watch

How to participate

If you would like to provide comments to the Traffic Safety & Mobility Commission, please:

- Fill out a speaker request form, located in the foyer.
- Submit the form to the Minutes Clerk before the item begins.
- When it's your turn, the Chair will call your name and invite you to the podium.
- Speakers have three minutes, unless the presiding officer (usually the Chair) changes that time.
- You may not give your time to another person, but groups can select a single speaker as long as three other members of your group are present.
- Group representatives have 10 minutes unless that time is changed by the presiding officer or the Commission.
- **In writing:** Email comments to traffic@carlsbadca.gov. Comments received by 2 p.m. the day of the meeting will be shared with the Traffic Safety & Mobility Commission prior to the meeting. When emailing comments, please identify in the subject line the agenda item to which your comments relate. All comments received will be included as part of the official record.

Written comments will not be read out loud.

Reasonable Accommodations

Persons with a disability may request an agenda packet in appropriate alternative formats as required by the Americans with Disabilities Act of 1990. Reasonable accommodations and auxiliary aids will be provided to effectively allow participation in the meeting. Please contact the City Manager's Office at 442-339-2821 (voice), 711 (free relay service for TTY users), 760-720-9461 (fax) or manager@carlsbadca.gov by noon on the Monday before the meeting to make arrangements. City staff will respond to requests by 2 p.m. on Monday, the day of the meeting, and will seek to resolve requests before the start of the meeting in order to maximize accessibility.

More information about Traffic Safety & Mobility Commission meeting procedures can be found at the end of this agenda and in the Carlsbad Municipal Code chapter 1.20.

CALL TO ORDER:

ROLL CALL:

PLEDGE OF ALLEGIANCE:

APPROVAL OF MINUTES:

Minutes of the Regular Meeting held on Oct. 2, 2023

PUBLIC COMMENT: *In conformance with the Brown Act, no Commission action can occur on items presented during Public Comment. A total of 15 minutes is provided so members of the public can address the Commissioners on items that are not listed on the Agenda. Speakers are limited to three (3) minutes each. If you desire to speak during Public Comment, fill out a SPEAKER CARD and submit it to the Minutes Clerk. If there are more than five (5) speakers, the remaining speakers will be heard at the end of the agenda just prior to Commissioners Reports.*

CONSENT CALENDAR: *The items listed under Consent Calendar are considered routine and will be enacted by one motion as listed below. There will be no separate discussion on these items prior to the time the Commission votes on the motion unless members of the Traffic Safety & Mobility Commission, the Liaison or the public request specific items be discussed and/or removed from the Consent Calendar for separate action. A request from the public to discuss an item must be submitted to the Minutes Clerk in writing prior to Traffic Safety & Mobility Commission consideration of the Consent Calendar.*

1. EL CAMINO REAL ROADWAY IMPROVEMENTS FROM SUNNY CREEK ROAD TO JACKSPAR DRIVE, CAPITAL IMPROVEMENT PROJECT NO. 6094 – Support staff’s recommendation to the City Council to approve the plans and specifications for the El Camino Real Roadway Improvements from Sunny Creek Road to Jackspar Drive, Capital Improvement Program (CIP) Project No. 6094. (Staff Contact: Brandon Miles, Public Works Department).
2. TRAFFIC CALMING PLANS FOR PARK DRIVE, BLACK RAIL ROAD, PLUM TREE ROAD AND CARRILLO WAY- Support staff’s recommendation to the City Council to approve the plans and specifications for the Traffic Calming Plans for Park Drive, Black Rail Road, Plum Tree Road and Carrillo Way, Capital Improvement Program (CIP) Project No. 6070. (Staff Contact: Miriam Jim and Lindy Pham, Public Works Department).

DEPARTMENTAL REPORTS:

3. POLICE REPORT REGARDING TRAFFIC & MOBILITY-RELATED MATTERS DURING THE MONTH OF AUGUST AND SEPTEMBER 2023, INCLUDING NOTABLE NEWS FOR THE MONTH OF OCTOBER – Receive a presentation from a representative of the City of Carlsbad Police Department that will provide an overview of traffic and mobility-related police matters during the months of August and September 2023, including notable news for the month of October. (Staff Contact: Lieutenant Alonso DeVelasco, Police Department).

Staff’s Recommendation: Receive the presentation.

4. APPROVAL OF THE 2024 REGULAR TRAFFIC SAFETY & MOBILITY COMMISSION MEETING CALENDAR- Adoption of a resolution approving the 2024 Regular Traffic Safety & Mobility Commission Meeting Calendar. (Staff Contact: Nathan Schmidt, Public Works Department).

Staff's Recommendation: Adopt the resolution.

CITY TRAFFIC ENGINEER COMMENTS:

COMMISSION COMMENTARY AND REQUESTS FOR CONSIDERATION OF MATTERS: *This portion of the agenda is for the Commission Members to make brief announcements, brief reports of their activities and requests for future agenda items.*

PUBLIC COMMENTS: Continuation of the Public Comments

This portion of the agenda is set aside for continuation of public comments, if necessary, due to exceeding the total time allotted in the first public comments section. When you are called to speak, please come forward to the podium and state your name. The remainder of the categories are for reporting purposes. In conformance with the Brown Act, no public testimony and no Commission action can occur on these items.

ADJOURNMENT:

ABOUT THE TRAFFIC SAFETY & MOBILITY COMMISSION AGENDA

Per Carlsbad Municipal Code 2.28.050 the Traffic Safety & Mobility Commission is an advisory commission to the City Council directed to study all matters referred to it concerning traffic safety and pedestrian safety and to make written recommendations to the city council regarding traffic and pedestrian safety within the city.

The Ralph M. Brown Act (commonly referred to as the "Brown Act") governs open meetings for local government bodies in the state of California. The Brown Act guarantees the public's right to attend and participate in meetings of local legislative bodies and is contained in section 54950 et seq. of the Government Code. The Brown Act also includes requirements for the distribution of agendas for these public meetings.

TRAFFIC SAFETY & MOBILITY COMMISSION PROCEDURE

For each item on the agenda, City of Carlsbad staff will present a report to the Traffic Safety & Mobility Commission. The Traffic Safety & Mobility Commissioners may then ask clarifying questions about the staff report in advance of the public outreach. The audience will then be asked for comment. The Traffic Safety & Mobility Commission is interested to hear all persons wishing to give testimony. Please file a "**Request to Speak**" form to speak on items listed on the agenda. Persons not desiring to speak but, wishing to be recorded as proponents or protesters of record, may do so by submitting their name and address to the minutes clerk. If anyone wishes to question a Traffic Safety & Mobility Commission recommendation, they may contact the Traffic Safety & Mobility Division at 1635 Faraday Avenue, between the hours of 7:30 a. m. and 5:30 a.m., Monday through Thursday, and 8 a.m. to 5 p.m. on Friday.

Visual materials should be submitted to the Transportation Department at 1635 Faraday Avenue no later than noon the Friday before the meeting. Please label all materials with the agenda item number you are representing. All materials exhibited to the Traffic Safety & Mobility Commission during the meeting (slides, maps, photos, etc.) are part of the public record and must be kept by the Traffic & Mobility Division for at least 60 days after final action on the matter. Your materials will be returned upon written request.

Video clips cannot be accommodated.

The Public Comment portion of the Agenda allows community members to speak on items that are not on the agenda. If you desire to speak about an item not listed on the agenda, a **“Request to Speak”** form should be filed with the Minutes Clerk. In conformance with the Brown Act, no action can occur on items presented during Public Comment.

Any agenda related writings or documents provided to the majority of the Traffic Safety & Mobility Commission after distribution of the Agenda packet will be available for public inspection at the Transportation Department located at 1635 Faraday Avenue, Carlsbad, CA 92008. In addition, a binder containing all agenda related writings and documents will be held by the Minutes Clerk at each Traffic Safety & Mobility Commission meeting and available for public review.

Those wishing to speak to the Traffic Safety & Mobility Commission are asked to come forward, speak into the microphone, and give their name and address for the taped record. A time limit of three minutes is allotted to each speaker. Members of the public are asked to observe order at this meeting and to conduct themselves in a courteous and respectful manner.



TRAFFIC AND MOBILITY COMMISSION

Minutes

Council Chambers
1200 Carlsbad Village Drive
Carlsbad, CA 92008

Oct. 2, 2023, 4 p.m.

CALL TO ORDER: 4:01 p.m.

ROLL CALL: Coelho, Fowler, Penseyres, Newlands, and Kohl.
Absent: Proulx, Garcia.

PLEDGE OF ALLEGIANCE: Chair Coelho led the Pledge of Allegiance.

Commissioner Proulx joined the meeting at 4:02 p.m.

APPROVAL OF MINUTES:

Minutes of the Regular Meeting held on Sept. 5, 2023

Motion by Commissioner Penseyres, seconded by Vice-Chair Fowler to strike out a comment from the minutes of the Regular Meeting held on Sept. 5, 2023. Motion carried, 5/1/1 (Coelho – No; Garcia – Absent).

Motion by Vice-Chair Fowler, seconded by Commissioner Penseyres to approve the minutes of the Regular Meeting held on Sept. 5, 2023, as amended. Motion carried, 5/0/1/1 (Proulx – Abstain; Garcia – Absent).

Commissioner Garcia joined the meeting at 4:07 p.m.

PUBLIC COMMENT:

Robert Beck spoke about traffic safety concerns for cyclists. He requested that a stand-alone curb be considered for El Camino Real and for any highway with speeds of 40 mph or higher that would separate cyclists from vehicles.

Walt Stringer spoke about the extended length of traffic light cycles that cause unnecessary delay which results in dangerous driving and increased emissions. He further added that key locations of these concerns are the intersections of Saxony Road and La Costa Avenue and Aviara Parkway and Laurel Tree Lane.

CONSENT CALENDAR: None

DEPARTMENTAL REPORTS:

1. **NORTH COUNTY COMPREHENSIVE MULTIMODAL CORRIDOR PLAN** – Receive a presentation from Kareem Scarlett, a representative of California Department of Transportation and Brian Lane, a representative of San Diego Association of Governments, regarding the North County Comprehensive Multimodal Corridor Plan. (Staff Contact: Nathan Schmidt, Public Works Department).

Staff's Recommendation: Receive the presentation.

CALTRANS, Senior Transportation Engineer Karreem Scarlett and SANDAG, Senior Transit Planner Brian Lane presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

Transportation Director/City Engineer Tom Frank presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk)

David Pierce spoke about the budgets for various categories of transportation projects, specifically the Smart Highway Capacity Improvement Plan which would add an extra lane to Highway 78, increasing the capacity.

In response to Commissioner Kohl's inquiry regarding any plans to improve signal coordination between the City of Carlsbad and Caltrans, Transportation Director Frank explained that city staff are working with Caltrans on coordinating timing programs that will be presented to the Traffic & Mobility Commission at a future meeting.

In response to Chair Coelho's inquiry regarding traffic lights at City of Carlsbad borders and whether or not they are coordinated, Transportation Director Frank explained that they are coordinated where possible, but all agencies do not have integrated signal programs.

In response to Commissioner Penseyres' inquiry regarding the possibility of additional train times during events, SANDAG, Senior Transit Planner Lane responded that would depend on budget.

In response to Commissioner Penseyres' inquiry about how reverse diamond interchanges work and if they would work well in some areas, CALTRANS, Senior Transportation Engineer Scarlett explained that they are currently studying how well they work.

In response to Commissioner Penseyres' inquiry about the advantages and disadvantages of diverging diamond interchanges, CALTRANS, Senior Transportation Engineer Scarlett responded that he would have to provide more information at a later time.

In response to Chair Coelho's inquiry regarding the cost of the double tracking project being \$100 million dollars, CALTRANS, Senior Transportation Engineer Scarlett explained that the \$100 million dollars was the money that was secured.

In response to Chair Coelho's inquiry regarding the estimated cost for the double tracking for the Sprinter along Oceanside Boulevard, SANDAG, Senior Transit Planner Lane responded that it is around \$200 million dollars.

In response to Chair Coelho's inquiry regarding the planning process, direction, and strategy in San Diego County prior to 2019 and how has it shifted, SANDAG, Senior Transit Planner Lane responded that the hope for planning was to increase frequency and services, however, because gas prices were low, there was not enough frequent service and ridership began shifting back to cars.

The Commission received the PowerPoint presentations by Transportation Director/City Engineer Frank, CALTRANS, Senior Transportation Engineer Scarlett, and SANDAG, Senior Transit Planner Lane.

2. MULTIMODAL LEVEL OF SERVICE METHODOLOGY UPDATE – Receive an overview of the City of Carlsbad’s multimodal level of service and provide feedback. (Staff Contact: Nathan Schmidt, Public Works Department).

Staff’s Recommendation: Receive the presentation and provide feedback.

Associate Engineer Nick Gorman and Transportation Planning & Mobility Manager Nathan Schmidt presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

David Pierce suggested jersey barriers as a quick and cost-effective method to protect bicyclists and pedestrians from automobiles.

Commissioner Kohl commented that he thinks the HAWK crosswalks are safer than the rectangular rapid flashing beacons.

Commissioner Penseyres commented that he supports removing the rectangular rapid flashing beacons as an option because they are not highly visible to drivers. He further recommended a minimum bike lane width of five (5) feet excluding the gutter from the bike lane width.

Commissioner Penseyres recommended painting a right-side edge stripe within bike lanes to warn bicyclists of the presence of gutters, gutter pans, and other treatments which may present a hazard in bike lanes. He further added that the edge stripe would designate everything to the right of an edge stripe as a shoulder, and the city no longer holds liability for injury that occurs in that shoulder.

The Commission received the PowerPoint presentation by Associate Engineer Gorman and Transportation Planning & Mobility Manager Schmidt.

3. TRAFFIC SIGNAL SYSTEM UPDATED – Receive a presentation and provide input to city staff on items related to the traffic signal system network. (Staff Contact: Nestor Mangohig, Public Works Department).

Staff’s Recommendation: Receive the presentation and provide input.

Senior Engineer Nestor Mangohig presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

In response to Commissioner Kohl’s inquiry about the traffic signal cycle for emergency vehicles when activated by the button compared to the roll up door, Senior Engineer Mangohig explained that the button activation gives the emergency vehicles a head start to have clearance before the door opens. He further explained that if a vehicle is waiting for what seems to be an extended amount of time, it is typically because the button was activated.

In response to Commissioner Kohl's inquiry about why it seemed that the emergency vehicle preemption sequence was not terminated until the door completely closed, Senior Engineer Mangohig responded that the signal will not terminate until the intersection is cleared and will continue to count down.

In response to Commissioner Penseyres' inquiry about whether a roundabout was considered for the new Chick Fil A location as opposed to a traffic light, City Traffic Engineer Kim explained that, due to right of way issues and costs associated, a traffic signal would be the best option to provide pedestrian access.

In response to Vice-Chair Fowler's inquiry about whether or not the inputs are used to synchronize the traffic signals, Senior Engineer Mangohig responded that they currently use time-based coordination. He further explained that the signal cycles are expanded depending on the area during peak hours.

In response to Chair Coelho's inquiry about the use of the new system to collect data to facilitate a larger program for expansion of the permissive left-hand turns, Senior Engineer Mangohig explained that the data leading to the flashing yellow arrow is more of a policy issue.

City Traffic Engineer Kim further explained that the hierarchy for left turn control would be completely permissive while protected permissive would be one step of increased control that would include a period of time with protected left turns and then open up another period of time when a driver could make a turn if there are gaps available.

The Commission received the PowerPoint presentation by Senior Engineer Mangohig.

CITY TRAFFIC ENGINEER COMMENTS:

City Traffic Engineer Kim commented that the Tamarack Traffic Calming Project has been completed and that there are residential traffic calming projects coming up that will be authorized for design and construction.

Transportation Planning & Mobility Manager Schmidt commented that the annual calendar for the Commission will be discussed next month. He further added that starting next month, the Traffic & Mobility Commission will formally become the Traffic Safety & Mobility Commission.

COMMISSION COMMENTARY AND REQUESTS FOR CONSIDERATION OF MATTERS:

Commissioner Penseyres requested to receive an email in response to input and questions sent by former Commissioner Linke regarding the Multimodal Level of Service changes.

In response to Commissioner Penseyres' inquiry about the schedule for the bike lane improvements on La Costa Avenue, City Traffic Engineer Kim responded that staff would follow up with that request.

ADJOURNMENT: Chair Coelho adjourned the Traffic & Mobility Commission Regular Meeting on Oct. 2, 2023, at 6:46 p.m.

Eliane Paiva
Secretary



Staff Report

Meeting Date: Nov. 6, 2023
To: Traffic Safety & Mobility Commission
Staff Contact: Brandon Miles, Associate Engineer
brandon.miles@carlsbadca.gov, 442-339-2745
Subject: El Camino Real Roadway Improvements from Sunny Creek Road to Jackspar Drive, Capital Improvement Program Project No. 6094

Recommended Action

Support staff's recommendation to the City Council to approve the plans and specifications for the El Camino Real Roadway Improvements from Sunny Creek Road to Jackspar Drive, Capital Improvement Program (CIP) Project No. 6094.

Background

El Camino Real is an arterial street that functions as a primary north-south connection throughout the city. The posted speed limit is 55 miles per hour with average daily traffic volumes of approximately 32,000 vehicles per day. Bike lanes are provided in both directions. Sidewalks are currently provided on the west side of the roadway; however, no sidewalk is present on the east side of the roadway between Jackspar Drive to approximately 150 feet south of Sunny Creek Road. The subject portion of El Camino Real between Sunny Creek Road and Jackspar Drive is a five-lane roadway consisting of three travel lanes in the southbound direction and two travel lanes in the northbound direction. The adjoining segments of El Camino Real to the north and south of the project area are built out to the ultimate six lane arterial street standard.

The project will widen the northbound segment of El Camino Real for approximately 1,600 feet from Sunny Creek Road to Jackspar Drive consistent with the Mobility Element of the city's General Plan. The improvements will result in a total of three 11-foot-wide vehicle lanes, an 8-foot bike lane, a 3-foot buffer and a new noncontiguous sidewalk varying from 5 to 6 feet wide to accommodate a biofiltration system for stormwater treatment along the northbound side of the roadway. Currently, the sidewalk terminates in the northbound direction just south of Sunny Creek Road. The buffered bike lanes will include green dashed paint in the bicycle-vehicle conflict zone as shown in Exhibit 2. A total of three new streetlights will be added for safety on the east side of El Camino Real within the project area. In addition, the intersection at Jackspar Drive will include continental style crosswalks with upgraded pedestrian ramps meeting the Americans with Disabilities Act, or ADA, requirements.

On Sept. 7, 2021, the Traffic & Mobility Commission unanimously supported staff's recommendation to implement the project as it provided operational improvements consistent with the city's General Plan Mobility Element. The approved minutes of this meeting are attached as Exhibit 3.

On Oct. 3, 2022, the Traffic & Mobility Commission unanimously supported recommendation to approve the plans and specifications including the exceptions noted below of the El Camino Real Roadway Improvements from Sunny Creek Road to Jackspar Drive, Capital Improvement Program, or CIP, Project No. 6094. The approved minutes of this meeting are attached as Exhibit 4.

On May 3, 2023, the Planning Commission adopted a resolution recommending approval of the project permits and waive the open space for the El Camino Real Roadway Improvements from Sunny Creek Road to Jackspar Drive, Capital Improvement Program, or CIP, Project No. 6094. The approved minutes of this meeting are attached as Exhibit 5.

On Sept. 26, 2023, the City Council unanimously supported a recommendation to approve the project permits and waive the open space for the El Camino Real Roadway Improvements from Sunny Creek Road to Jackspar Drive, Capital Improvement Program, or CIP, Project No. 6094. The draft minutes of this meeting are attached as Exhibit 6.

Next Steps

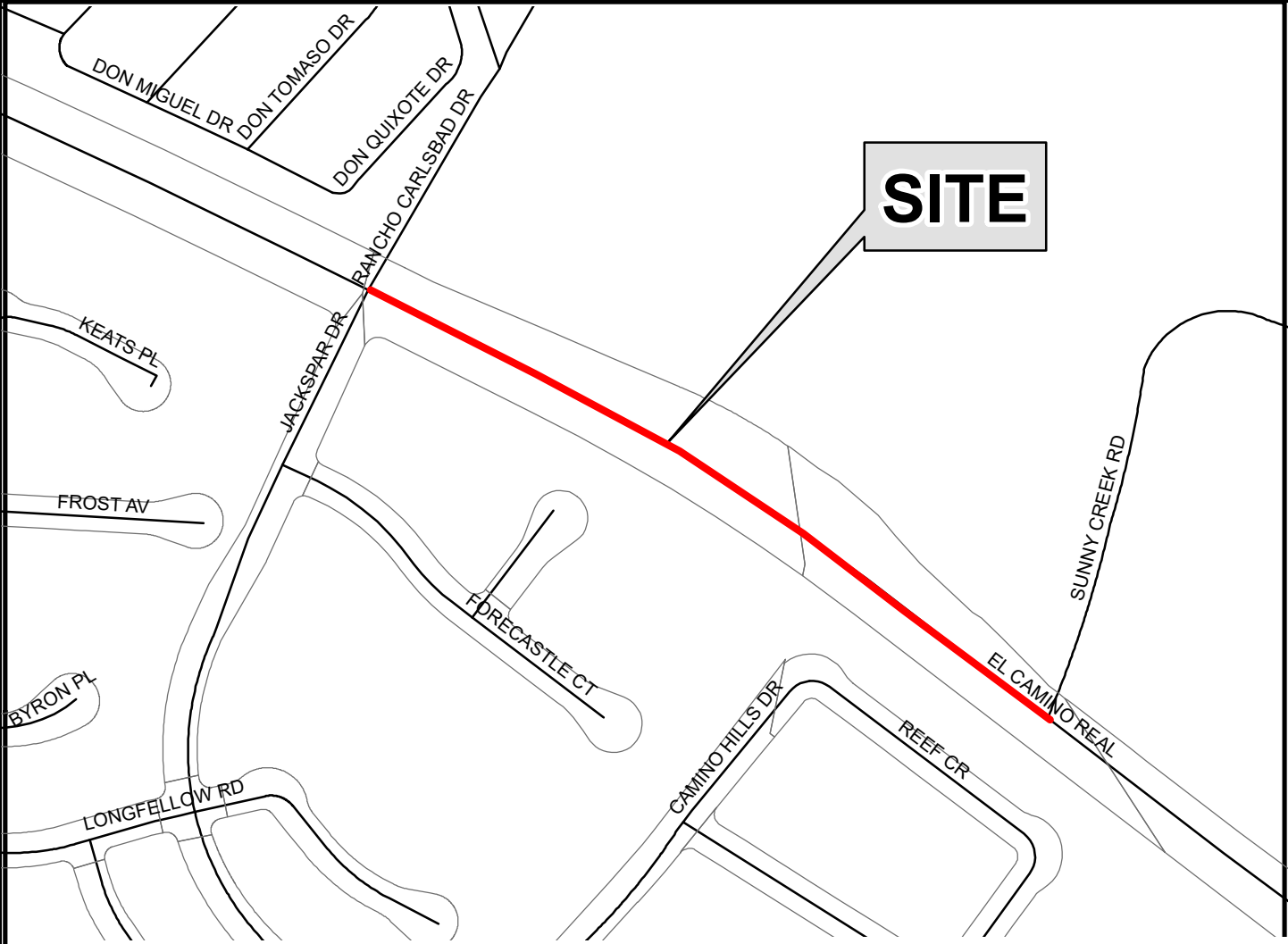
Following the Traffic Safety & Mobility Commission's review, staff will finalize the project plans and will bring a staff report to the City Council in early 2024 with a recommendation to approve the plans, specifications and contract documents, and authorize the City Clerk to advertise for construction bids for the project.

After the bidding process is complete, staff will return to the City Council with a request to award a construction contract to the lowest responsive and responsible bidder. The construction is targeted to start in mid-2024, with completion expected in mid-2025.

Exhibits

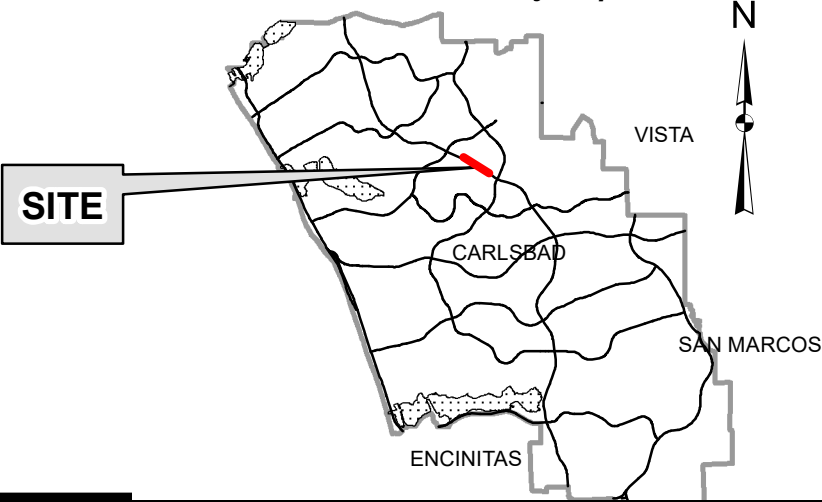
1. Location map
2. Improvement plans for ECR Widening from Sunny Creek to Jackspar Drive
3. Approved Meeting Minutes of the Traffic & Mobility Commission on Sept. 7, 2021
4. Approved Meeting Minutes of the Traffic & Mobility Commission on Oct. 3, 2022
5. Approved Meeting Minutes of the Planning Commission on May 3, 2023
6. Draft Meeting Minutes of the City Council on Sept. 26, 2023

LOCATION MAP



SITE

OCEANSIDE **Vicinity Map**



SITE



NOT TO SCALE



PROJECT NAME
**EL CAMINO REAL WIDENING
 FROM SUNNY CREEK ROAD TO JACKSPAR DRIVE**

PROJECT NUMBER
6094

EXHIBIT
1

GENERAL NOTES:

- THIS PLAN SUPERSEDES ALL OTHER PLANS PREVIOUSLY APPROVED BY THE CITY OF CARLSBAD REGARDING IMPROVEMENTS SHOWN ON THIS SET OF PLANS.
- APPROVAL OF THIS PLAN DOES NOT LESSEN OR WAIVE ANY PORTION OF THE CARLSBAD MUNICIPAL CODE, RESOLUTION OF CONDITIONAL APPROVAL, CITY STANDARDS OR OTHER ADDITIONAL DOCUMENTS LISTED HEREON AS THEY MAY PERTAIN TO THIS PROJECT. THE ENGINEER IN RESPONSIBLE CHARGE SHALL REVISE THESE PLANS WHEN NON-COMFORMANCE IS DISCOVERED.
- NO WORK SHALL BE COMMENCED UNTIL ALL PERMITS HAVE BEEN OBTAINED FROM THE CITY AND OTHER APPROPRIATE AGENCIES.
- THE ORIGINAL DRAWING SHALL BE REVISED TO REFLECT AS-BUILT CONDITIONS BY THE ENGINEER-OF-WORK PRIOR TO FINAL ACCEPTANCE OF THE WORK BY THE CITY.
- ACCESS FOR FIRE AND OTHER EMERGENCY VEHICLES SHALL BE MAINTAINED TO THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
- ALL INSPECTION REQUESTS OTHER THAN FOR PRECONSTRUCTION MEETING WILL BE MADE BY CALLING THE ENGINEERING 24-HOUR INSPECTION REQUEST LINE AT (760) 438-3891. INSPECTION REQUESTS MUST BE RECEIVED PRIOR TO 2:00 P.M. ON THE DAY BEFORE THE INSPECTION IS NEEDED. INSPECTIONS WILL BE MADE THE NEXT WORK DAY UNLESS YOU REQUEST OTHERWISE. REQUESTS MADE AFTER 2:00 P.M. WILL BE SCHEDULED FOR TWO FULL WORK DAYS LATER.
- THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- THE CONTRACTOR SHALL CONFORM TO LABOR CODE SECTION 6705 BY SUBMITTING A DETAIL PLAN TO THE CITY ENGINEER AND/OR CONCERNED AGENCY SHOWING THE DESIGN OF SHORING, BRACING, SLOPE OR OTHER PROVISIONS TO BE MADE OF WORKER PROTECTION FROM THE HAZARD OF CAVING GROUND DURING THE EXCAVATION OF SUCH TRENCH OR TRENCHES OR DURING THE PIPE INSTALLATION THEREIN. THIS PLAN MUST BE PREPARED FOR ALL TRENCHES FIVE FEET (5') OR MORE IN DEPTH AND APPROVED BY THE CITY ENGINEER AND/OR CONCERNED AGENCY PRIOR TO EXCAVATION. IF THE PLAN VARIES FROM THE SHORING SYSTEM STANDARDS ESTABLISHED BY THE CONSTRUCTION SAFETY ORDERS, TITLE 8 CALIFORNIA ADMINISTRATIVE CODE, THE PLAN SHALL BE PREPARED BY A REGISTERED ENGINEER AT THE CONTRACTOR'S EXPENSE. A COPY OF THE OSHA EXCAVATION PERMIT MUST BE SUBMITTED TO THE INSPECTOR PRIOR TO EXCAVATION.
- IF ANY ARCHAEOLOGICAL RESOURCES ARE DISCOVERED WITHIN ANY WORK ZONE DURING CONSTRUCTION, OPERATIONS WILL CEASE IMMEDIATELY, AND THE PERMITTEE WILL NOTIFY THE CITY ENGINEER. OPERATIONS WILL NOT RESTART UNTIL THE PERMITTEE HAS RECEIVED WRITTEN AUTHORITY FROM THE CITY ENGINEER TO DO SO.
- ALL OFF-SITE HAUL ROUTES SHALL BE SUBMITTED BY THE CONTRACTOR TO THE CITY ENGINEER FOR APPROVAL TWO FULL WORKING DAYS PRIOR TO BEGINNING OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEBRIS OR DAMAGE OCCURRING ALONG THE HAUL ROUTE OR ADJACENT STREETS AS A RESULT OF THE GRADING OPERATION.
- THE EXISTENCE AND LOCATION OF UTILITY STRUCTURES AND FACILITIES SHOWN ON THE CONSTRUCTION PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. ATTENTION IS CALLED TO THE POSSIBLE EXISTENCE OF OTHER UTILITY FACILITIES OR STRUCTURES NOT SHOWN OR IN A LOCATION DIFFERENT FROM THAT SHOWN ON THE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN ON THE PLANS AND ANY OTHER EXISTING FACILITIES OR STRUCTURES NOT SHOWN.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING FACILITIES (ABOVEGROUND AND UNDERGROUND) WITHIN THE PROJECT SITE SUFFICIENTLY AHEAD OF THE CONSTRUCTION TO PERMIT THE REVISIONS OF THE CONSTRUCTION PLANS IF IT IS FOUND THAT THE ACTUAL LOCATIONS ARE IN CONFLICT WITH THE PROPOSED WORK.

PROJECT STANDARD PLANS:

SAN DIEGO REGIONAL STANDARD DRAWINGS (SDRSD), 2018

C-9	GRAVITY RETAINING WALLS
C-10	GENERAL NOTES AND DETAILS FOR GRAVITY RETAINING WALLS
D-02	CURB INLET - TYPE B
D-09	STORM DRAIN CLEANOUT - TYPE A
D-11A	INLETS AND CLEANOUTS NOTES AND DETAILS
D-11B	INLETS AND CLEANOUTS NOTES AND DETAILS
D-12	CURB INLET OPENING
D-30	STRAIGHT HEADWALL - TYPE A
D-60	PIPE BEDDING AND TRENCH BACKFILL FOR STORM DRAINS
D-61	ROUNDED PIPE ENDS IN DRAINAGE STRUCTURES
G-2	CURBS AND GUTTER - COMBINED
G-5	DIKES - ASPHALT CONCRETE
G-7	SIDEWALKS - TYPICAL SECTIONS
G-9	SIDEWALK JOINT LOCATIONS
G-10	CONCRETE JOINT DETAILS
G-11	CONCRETE CURB, GUTTER, SIDEWALK, AND PAVEMENT REMOVAL AND REPLACEMENT
G-14B	CONCRETE DRIVEWAY (NON-CONTIGUOUS SIDEWALK)
G-27	CURB RAMP - TYPE A AND B (NEW CONSTRUCTION)
G-28	CURB RAMPS - TYPE A-1 AND B-1 (FOR EXISTING SIDEWALK)
G-29	CURB RAMP - TYPE C (FOR EXISTING SIDEWALK)
G-30	TRUNCATED DOMES
G-32A	GENERAL NOTES FOR CURB RAMPS
G-32B	NOTES FOR CURB RAMPS
TCP-10A	SIDE OF ROAD WORK AREA - MULTILANE TRAFFIC CONTROL WITH CENTERLINE
TCP-12A	RIGHT LANE TRAFFIC CLOSURE - ONE LANE
	SIDE OF ROAD WORK AREA - MULTILANE TRAFFIC CONTROL WITH CENTERLINE - LEFT TRAFFIC LANE CLOSURE - ONE LANE CLOSED

CALTRANS STANDARD PLANS (CTSP), 2018

A10A	LINES AND SYMBOLS (SHEET 1 OF 5)
A10B	LINES AND SYMBOLS (SHEET 2 OF 5)
A10C	LINES AND SYMBOLS (SHEET 3 OF 5)
A10D	LINES AND SYMBOLS (SHEET 4 OF 5)
A10E	LINES AND SYMBOLS (SHEET 5 OF 5)
A10F	LEGEND - SOIL (SHEET 1 OF 2)
A10G	LEGEND - SOIL (SHEET 2 OF 2)
A10H	LEGEND - ROCK
A24C	PAVEMENT MARKINGS SYMBOLS AND NUMERALS
A62B	LIMITS OF MARKING FOR EXCAVATION AND BACKFILL BRIDGE SURCHARGE AND WALL
A88B	CURB RAMP AND ISLAND PASSAGEWAY DETAILS

ALL STANDARD DRAWINGS ARE SAN DIEGO REGIONAL STANDARD DRAWINGS (SDRSD) UNLESS NOTED OTHERWISE:

- * CITY OF CARLSBAD STANDARD
- ** CARLSBAD MUNICIPAL WATER DISTRICT STANDARD DRAWING
- *** SDRSD AS MODIFIED BY CITY OF CARLSBAD

- THE CONTRACTOR SHALL NOTIFY AFFECTED UTILITY COMPANIES (SEE BELOW) AT LEAST TWO FULL WORKING DAYS PRIOR TO STARTING CONSTRUCTION NEAR THEIR FACILITIES AND SHALL COORDINATE WORK WITH A COMPANY REPRESENTATIVE. UNDERGROUND SERVICE ALERT (DIG ALERT) 811
SDG&E (800)411-7343
AT&T (619)237-2787
SPECTRUM CABLE (800)227-2600
COX COMMUNICATIONS (619)262-1122
CITY OF CARLSBAD (STREETS AND STORM DRAIN) (760)434-2980
*CITY OF CARLSBAD (SEWER, WATER & RECLAIMED WATER) (760)438-2722
*SAN DIEGUITO WATER DISTRICT (760)633-2650
*LEUCADIA WASTEWATER DISTRICT (760)753-0155
*VALLECITOS WATER DISTRICT (760)744-0460
*OLIVENHAIN WATER DISTRICT (760)753-6466
*BUENA SANITATION DISTRICT (760)726-1340 x1330
*AS APPROPRIATE

STREET NOTES:

- STREET LIGHTS SHALL BE INSTALLED AS SHOWN ON THESE PLANS, UNDERGROUND CONDUIT RUNS, SERVICE POINTS AND HAND-HOLES SHALL BE SHOWN ON THE "AS-BUILT" PLANS. NO DIRECT BURIAL STREET LIGHT FOUNDATIONS WILL BE ALLOWED. ALL LUMINAIRES SHALL BE "CUT OFF" TYPE.
- ALL UNDERGROUND UTILITIES AND LATERALS SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF CURBS, CROSS GUTTERS OR SURFACING OF STREETS.
- WHERE AN EXISTING PIPE LINE IS TO BE ABANDONED IT SHALL BE REMOVED WITHIN TWENTY FEET OF BUILDING OR STREET AREAS AND REPLACED WITH PROPERLY COMPACTED SOILS. IN OTHER AREAS THE PIPE WILL BE PLUGGED WITH CONCRETE OR REMOVED AS APPROVED BY THE CITY ENGINEER.
- WHEELCHAIR RAMPS SHALL BE INSTALLED PER REQUIREMENTS OF TITLE 24, CALIFORNIA ADMINISTRATIVE CODE.
- STREET TREES SHALL BE INSTALLED PER SECTION VI OF THE CITY OF CARLSBAD LANDSCAPE MANUAL.
- FIRE HYDRANT MARKERS SHALL BE PLACED IN THE STREET WITHIN THE LIMITS OF WORK OF THIS PLAN PER SDRS DWG M19.
- ALL SURVEY MONUMENTS AND POINTS THAT ARE DISTURBED BY THIS WORK SHALL BE REESTABLISHED, PERPETUATED, AND DOCUMENTED PER THE PROFESSIONAL LAND SURVEYORS ACT.
- TWO (2) SETS OF SURVEY (CUT) SHEETS SHALL BE PROVIDED TO THE CITY ENGINEERING INSPECTOR.
- STREET LIGHTS SHALL BE 13,600 LUMENS LED LIGHTS.

SEWER NOTES:

- SEWER MAIN AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF CARLSBAD ENGINEERING STANDARDS" (LATEST EDITION), VOLUME 1- GENERAL DESIGN STANDARDS, CHAPTER 6-DESIGN CRITERIA FOR GRAVITY SEWER LINES AND APPURTENANCES, AND VOLUME 3 - STANDARD DRAWINGS AND NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION (GREENBOOK).
- BEFORE ANY CONNECTION TO THE CITY'S EXISTING SYSTEM, A PERMIT SHALL BE OBTAINED FROM THE CITY. IT MUST BE SIGNED AND APPROVED BY THE CITY ENGINEER AND SUPERINTENDENT.
- BEFORE CONSTRUCTION BEGINS IN ANY PUBLIC RIGHT OF WAY, A CITY RIGHT OF WAY PERMIT SHALL BE REQUIRED.

CALTRANS STANDARD PLANS (CTSP), 2018 (Cont.)

B0-3	BRIDGE DETAILS
B3-4A	RETAINING WALL TYPE 5 (CASE 1)
B3-5	RETAINING WALL DETAILS No.1
B11-7	CHAIN LINK RAILING
D71	DRAINAGE INLET MARKERS (NO DUMPING)
T3A	TEMPORARY RAILING (TYPE K)
T56	TEMPORARY FIBER ROLL
T58	TEMPORARY CONSTRUCTION ENTRANCE
T62	TEMPORARY DRAINAGE INLET PROTECTION
T65	TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY HIGH-VISIBILITY FENCE)
RSP ES-1A	ELECTRICAL SYSTEMS (LEGEND)
RSP ES-1B	ELECTRICAL SYSTEMS (LEGEND)
RSP ES-1C	ELECTRICAL SYSTEMS (LEGEND)
RSP ES-4A	ELECTRICAL SYSTEMS (SIGNAL HEAD MOUNTING)
RSP ES-4B	ELECTRICAL SYSTEMS (PEDESTRIAN SIGNAL HEADS)
RSP ES-4C	ELECTRICAL SYSTEMS (SIGNAL HEADS AND MOUNTINGS)
ES-5A	ELECTRICAL SYSTEMS (LOOP DETECTORS)
RSP ES-5B	ELECTRICAL SYSTEMS (DETECTORS)
ES-5C	ELECTRICAL SYSTEMS (ACCESSIBLE PEDESTRIAN SIGNAL AND PUSH BUTTON ASSEMBLIES)
RSP ES-5D	ELECTRICAL SYSTEMS (CURB AND SHOULDER TERMINATION, TRENCH, AND HANDHOLE DETAILS)
RSP ES-7A	ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARD TYPE TS AND PUSH BUTTON ASSEMBLY POST)
RSP ES-7B	ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARD, TYPE 1 AND EQUIPMENT IDENTIFICATION CHARACTERS)
RSP ES-7M	ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARD, DETAIL No. 1)
RSP ES-7N	ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARD, DETAIL No. 2)
RSP ES-7O	ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARD, DETAIL No. 3)
RSP ES-8A	ELECTRICAL SYSTEMS (NON-TRAFFIC PULL BOX)

CARLSBAD MUNICIPAL WATER DISTRICT STANDARD DRAWINGS, 2022

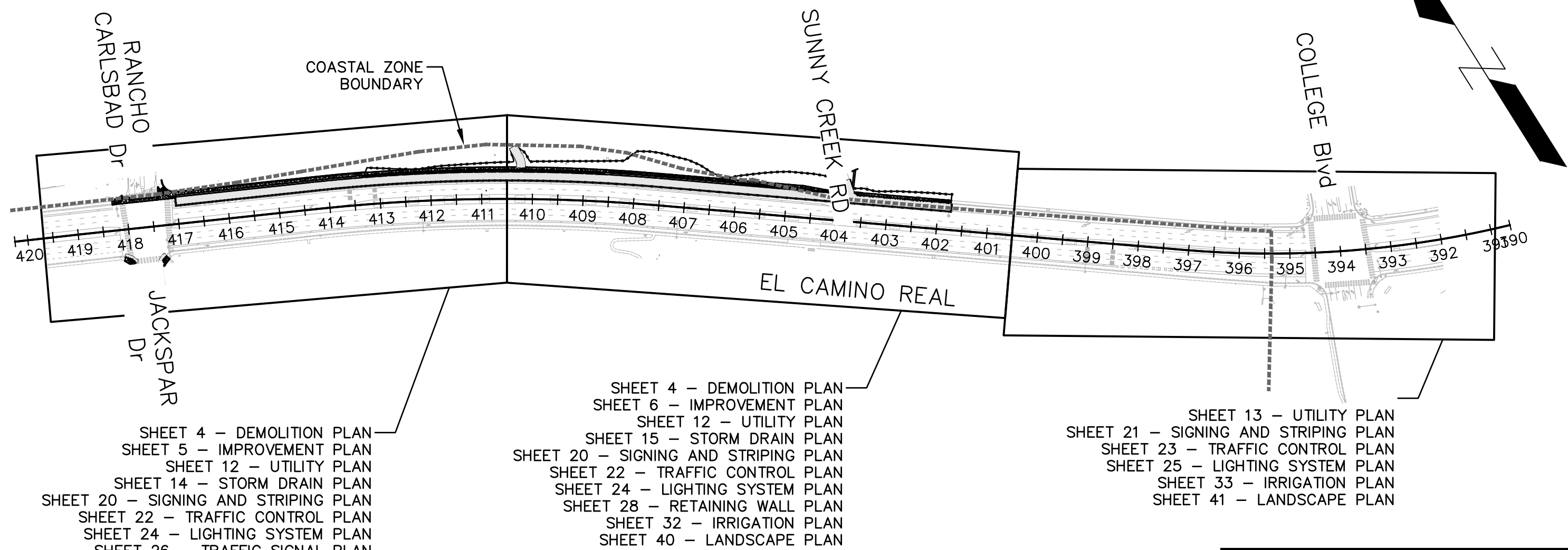
W-4	2" WATER SERVICE CONNECTION FOR 1 1/2" & 2" METERS
W-11	2" AIR-VACUUM VALVE ASSEMBLY
W-23	VALVE BOX ASSEMBLY

WATER NOTES:

- WATER & RECYCLED WATER MAIN AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF CARLSBAD ENGINEERING STANDARDS" (LATEST EDITION) VOLUMES 2 & 3.
- BEFORE ANY CONNECTION OR SHUT DOWN OF VALVES ON EXISTING C.M.W.D. LINES, A PERMIT SHALL BE OBTAINED FROM THE C.M.W.D. OFFICE AND MUST BE SIGNED AND APPROVED BY THE CITY OF CARLSBAD'S DEPUTY CITY ENGINEER AND THE UTILITY OPERATIONS' PUBLIC WORKS MANAGER.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF CARLSBAD ENGINEERING INSPECTION DEPARTMENT 48 HOURS PRIOR TO STARTING WORK SO THAT INSPECTION MAY BE PROVIDED - TELEPHONE NO. (760)438-3891.
- NO TREES OR STRUCTURES SHALL BE ALLOWED IN THE WATER LINE EASEMENT. ALL EXISTING TREES AND STRUCTURES SHALL BE REMOVED PRIOR TO COMMENCEMENT OF WORK - ANY EXCEPTIONS SHALL REQUIRE WRITTEN PERMISSION FROM THE DISTRICT ENGINEER.
- ALL POTABLE WATER SERVICES SHALL BE 1" AND ALL METERS SHALL BE 1" (UNLESS OTHERWISE NOTED ON PLANS).
- ALL WATER METER BOXES SHALL BE 17" X 30" X 12" POLYMER CONCRETE AS MANUFACTURED BY ARMORCAST OR EQUAL (UNLESS OTHERWISE NOTED ON PLANS).
- MINIMUM SPACING BETWEEN POTABLE WATER SERVICES AND SEWER LATERALS SHALL BE 10 FEET.
- THE TOP OF WATER METER BOXES SHALL BE FLUSH WITH THE FINISHED SURFACE GRADE.
- CONSTRUCTION OF WATER MAINS AND RECYCLED WATER MAINS SHALL ADHERE TO THE "CRITERIA FOR THE SEPARATION OF WATER MAINS AND SANITARY SEWERS" PUBLISHED BY THE STATE OF CALIFORNIA'S DEPARTMENT OF HEALTH SERVICES.
- AXIAL DEFLECTION AT THE PIPE JOINTS IS NOT ALLOWED. THE USE OF A HIGH-DEFLECTION COUPLING AT A PIPE JOINT MAY BE PERMITTED BY THE INSPECTOR ON A CASE BY CASE BASIS NOT TO EXCEED 4 DEGREES TOTAL DEFLECTION PER COUPLING (2 DEGREES/EACH GASKET). USE CERTAINTED "WNYL-IRON" H.D. FOR C900.
- BEFORE CONSTRUCTION BEGINS IN ANY PUBLIC RIGHT OF WAY, A CITY RIGHT OF WAY PERMIT SHALL BE REQUIRED.
- NO CUTTING OF ASBESTOS CEMENT PIPE (ACP) IS PERMITTED. CONTRACTOR SHALL REMOVE ACP TO NEAREST COUPLING AND INSTALL ACP X PVC ADAPTORS AND THE NECESSARY PVC SIZE AND CLASS PIPE TO INSTALL THE TEE AT THE STATION.
- PRIOR TO BACKFILL, INSTALL TRACER WIRE ON TOP OF PIPE AND SECURE IN PLACE WITH 2-INCH WIDE PLASTIC ADHESIVE TAPE AT MAXIMUM 10-FOOT INTERVALS. WIRE TO ENTER VALVE STANDS BY MEANS OF DRILLED HOLE IN PIPE STAND WALL JUST BELOW 4TTBOX. WIRE IS NOT TO INTERFERE WITH VALVE NUT OPERATION. RUN TRACER WIRE CONTINUOUSLY ALONG PIPE AND TERMINATE IN ADJACENT VALVE BOXES FOR BURIED ASSEMBLIES OR BURIED VALVES. WHERE BURIED SPLICES OCCUR, USE AN ELECTRICAL EPOXY RESIN SUCH AS SCOTCHCAST, OR APPROVED EQUAL. PROVIDE 24 INCHES OF COILED WIRE AT ACCESS POINTS FOR ATTACHMENTS OF PIPE LOCATING EQUIPMENT. EACH INSTALLED RUN OF PIPE SHALL BE CAPABLE OF BEING LOCATED USING THE TRACER WIRE. PROTECT WIRE INSULATION FROM DAMAGE DURING INSTALLATION AND BACKFILLING. WIRE INSULATION THAT IS BROKEN, CUT, OR DAMAGED SHALL BE REPLACED. TRACER WIRE SHALL BE AWG NO. 8 STRANDED COPPER WIRE WITH HIGH MOLECULAR WEIGHT POLYETHYLENE (HMW/PE) INSULATION SPECIFICALLY DESIGNED FOR DIRECT BURIAL IN CORROSIVE SOIL OR WATER. POLYETHYLENE INSULATION SHALL CONFORM TO ASTM D 1248, TYPE 1, CLASS C. WIRES WITH CUT OR DAMAGED INSULATION ARE NOT ACCEPTABLE AND REPLACEMENT OF THE ENTIRE WIRE WHICH HAS BEEN DAMAGED WILL BE REQUIRED AT THE CONTRACTOR'S EXPENSE.

SIGNING AND STRIPING NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL SIGNING AND STRIPING.
- SIGNING, STRIPING AND PAVEMENT MARKINGS SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (FHWA'S MUTCD LATEST VERSION, AS AMENDED FOR USE IN CALIFORNIA), CALTRANS STANDARD SPECIFICATIONS (LATEST VERSION), THESE PLANS AND THE SPECIAL PROVISIONS.
- ALL SIGNING AND STRIPING IS SUBJECT TO THE APPROVAL OF THE TRANSPORTATION DIRECTOR OR HIS REPRESENTATIVE, PRIOR TO INSTALLATION.
- ANY DEVIATION FROM THESE SIGNING AND STRIPING PLANS SHALL BE APPROVED BY THE TRANSPORTATION DIRECTOR OR HIS REPRESENTATIVE PRIOR TO ANY CHANGE IN THE FIELD.
- ALL SIGNING AND STRIPING SHALL BE REFLECTIVE PER CALTRANS SPECIFICATIONS. STRIPING SHALL BE REPAINTED TWO WEEKS AFTER INITIAL PAINTING. SIGNING SHALL USE ENCAPSULATED LENS REFLECTIVE SHEETING (HIGH INTENSITY OR EQUAL).
- CONTRACTOR SHALL REMOVE ALL CONFLICTING PAINTED LINES, MARKINGS AND PAVEMENT LEGENDS BY GRINDING. DEBRIS SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
- ALL PAVEMENT LEGENDS SHALL BE THE LATEST VERSION OF THE CALTRANS ENGLISH STENCILS.
- LIMIT LINES AND CROSSWALKS SHALL BE FIELD LOCATED. CROSSWALKS SHALL HAVE 10' INSIDE DIMENSION UNLESS OTHERWISE SPECIFIED.
- ALL CROSSWALKS, LIMIT LINES, STOP BARS, PAVEMENT ARROWS AND PAVEMENT LEGENDS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- FIRE HYDRANT PAVEMENT MARKERS SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (FHWA'S MUTCD LATEST VERSION, AS AMENDED FOR USE IN CALIFORNIA) AND SAN DIEGO REGIONAL STANDARD DRAWING M-19.
- ALL MEDIAN NOSES AND FLARES SHALL BE PAINTED YELLOW.
- ALL SIGNS SHALL BE STANDARD SIZE AS SHOWN IN THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (FHWA'S MUTCD LATEST VERSION, AS AMENDED FOR USE IN CALIFORNIA) UNLESS OTHERWISE SPECIFIED.
- SIGN POSTS SHALL BE SQUARE PERFORATED STEEL TUBING WITH BREAKAWAY BASE PER SAN DIEGO REGIONAL STANDARD DRAWING M-45.
- WHEN A SIGN IS ATTACHED TO A POLE, IT SHALL BE MOUNTED USING A STANDARD CITY OF CARLSBAD MOUNTING BRACKET WITH STRAPS.
- EXISTING SIGNS REMOVED BY THE CONTRACTOR SHALL BE DELIVERED BY THE CONTRACTOR TO THE CITY OF CARLSBAD PUBLIC WORKS YARD AT 405 OAK AVENUE.
- ALL SIGNS SHOWN ON THESE PLANS SHALL BE NEW SIGNS PROVIDED AND INSTALLED BY THE CONTRACTOR EXCEPT THOSE SIGNS SPECIFICALLY SHOWN AS EXISTING TO BE RELOCATED OR TO REMAIN.
- (IF NECESSARY) WHERE R4-7 SIGN AND OM1-3 OBJECT MARKER ARE TO BE INSTALLED IN A 2-FOOT WIDE MEDIAN NOSE, THE R4-7 SIGN SHALL BE 18"X24" AND THE OM1-3 OBJECT MARKER SHALL BE 12"X12"
- ALL NEW SIGNS SHALL ALL BE CLEARLY VISIBLE, NOT BLOCKED BY ANY OBSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO TRIM OR REMOVE ANY VEGETATION BLOCKING NEW SIGNS.



INDEX MAP
NOT TO SCALE

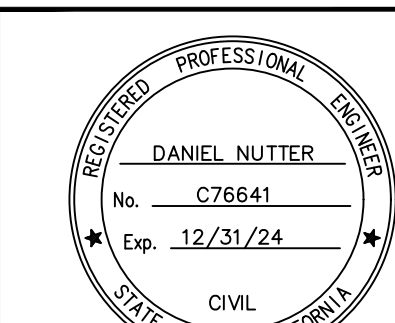
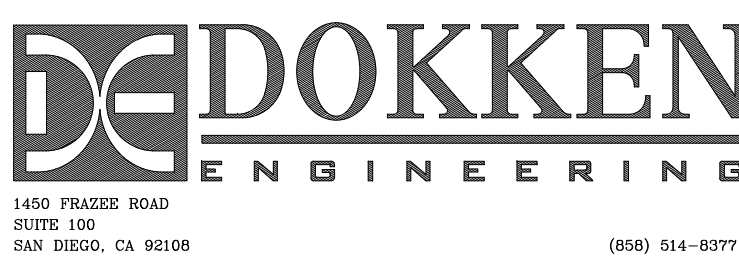
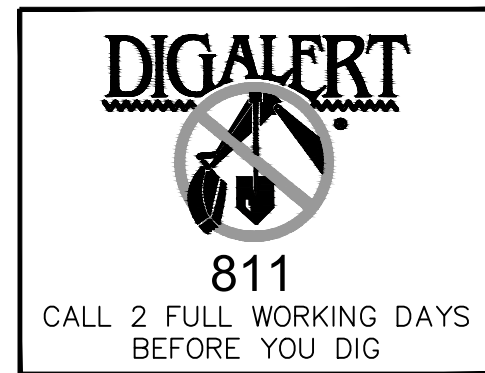
"AS BUILT"

P.E. _____ EXP. _____ DATE _____

REVIEWED BY: _____

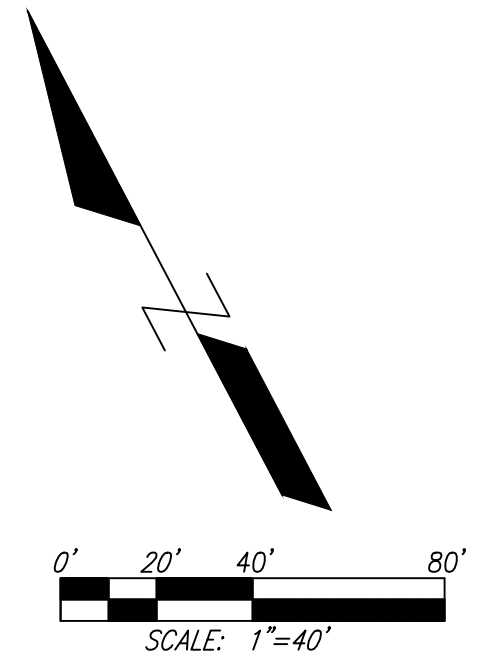
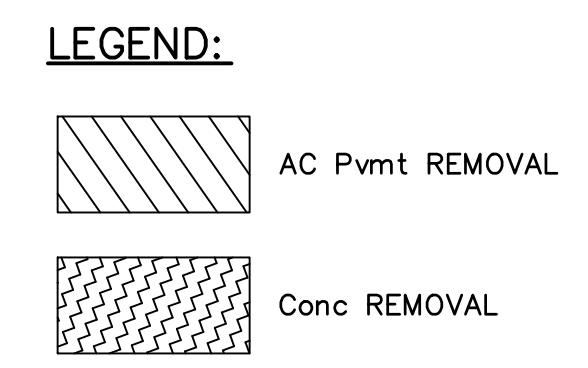
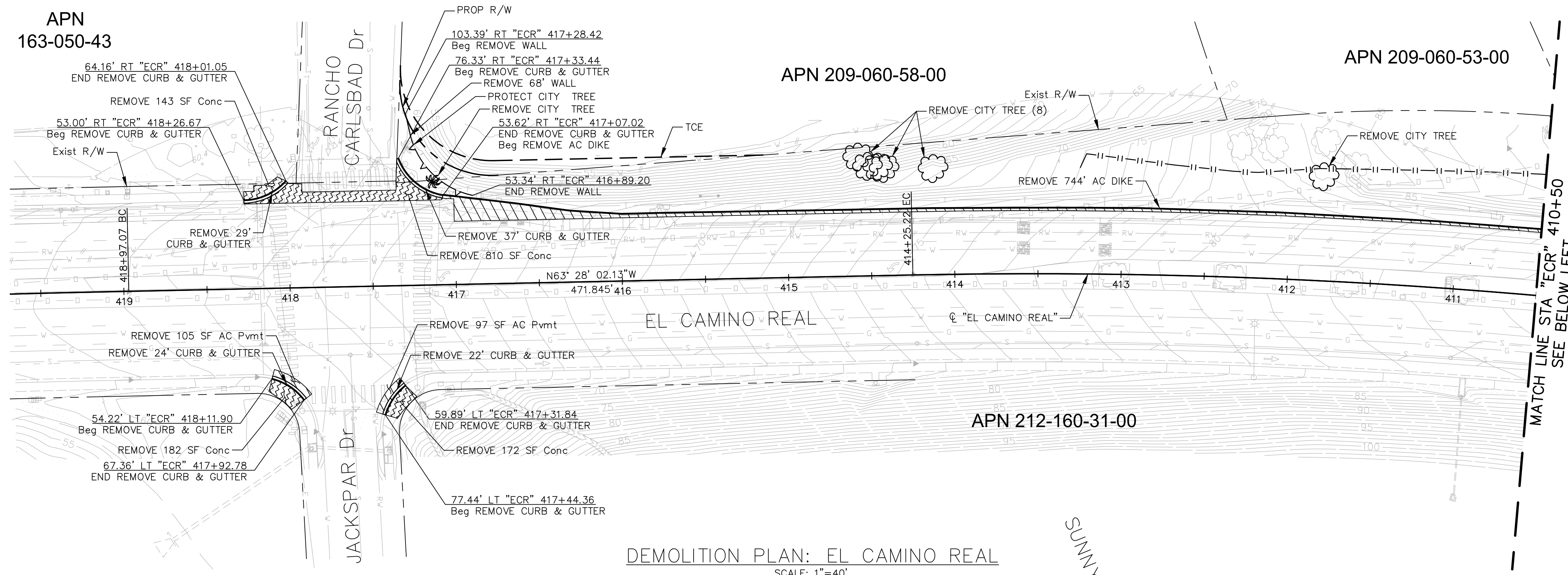
INSPECTOR _____ DATE _____

SHEET 2	CITY OF CARLSBAD TRANSPORTATION DEPARTMENT	SHEETS 43			
GENERAL NOTES AND INDEX MAP FOR EL CAMINO REAL ROADWAY IMPROVEMENTS FROM SUNNY CREEK Rd TO JACKSPAR Dr					
APPROVED: _____ HOSSEIN AJIDEH					
ENGINEERING MANAGER RCE 75991 EXPIRES 6/30/24 DATE _____					
DWN BY: CP	PROJECT NO. 6094	DRAWING NO. DWG 529-1			
CHKD BY: MEW					
RVWD BY: MT					
DATE	INITIAL	DATE	INITIAL	DATE	INITIAL
ENGINEER OF WORK		OTHER APPROVAL		CITY APPROVAL	
REVISION DESCRIPTION					

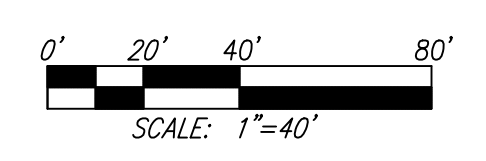
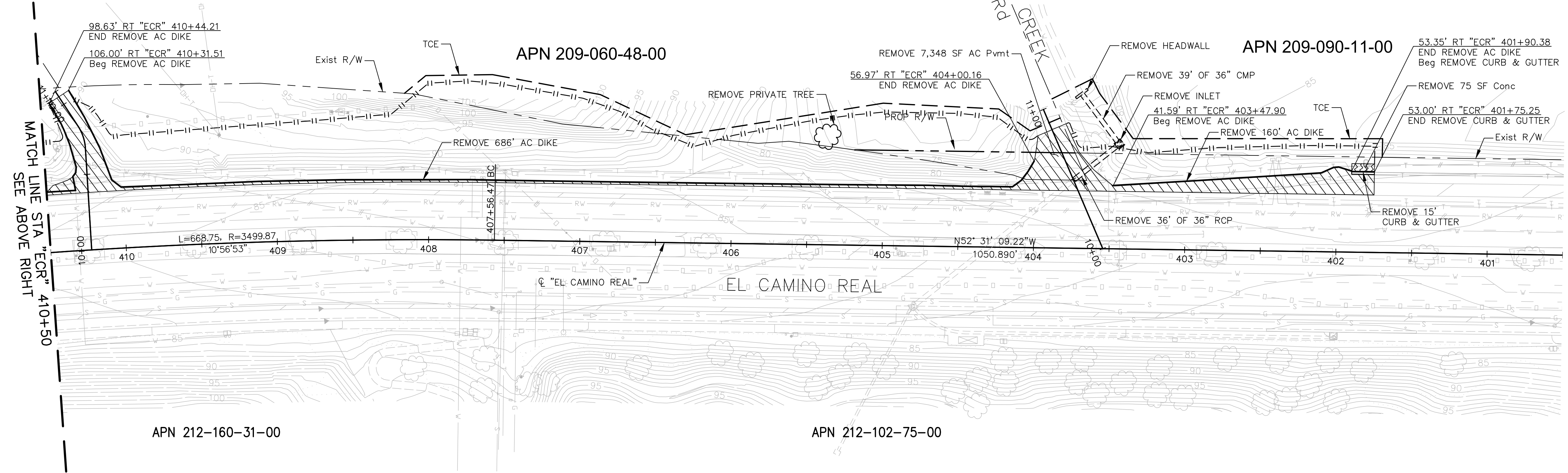


EL CAMINO REAL ROADWAY IMPROVEMENT PLANS - 100% PS&E SUBMITTAL (10/16/2023)

EL CAMINO REAL ROADWAY IMPROVEMENT PLANS - 100% PS&E SUBMITTAL (10/16/2023)



DEMOLITION PLAN: EL CAMINO REAL
SCALE: 1"=40'



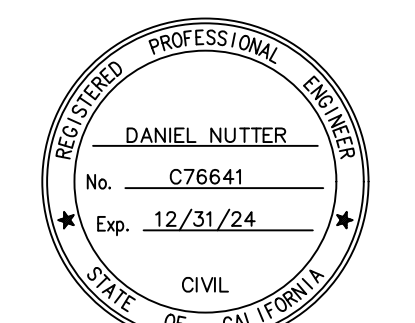
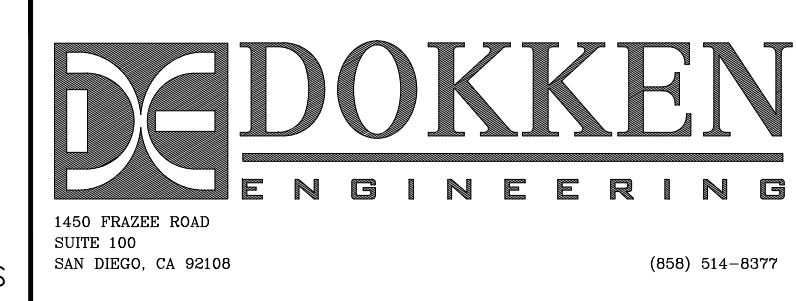
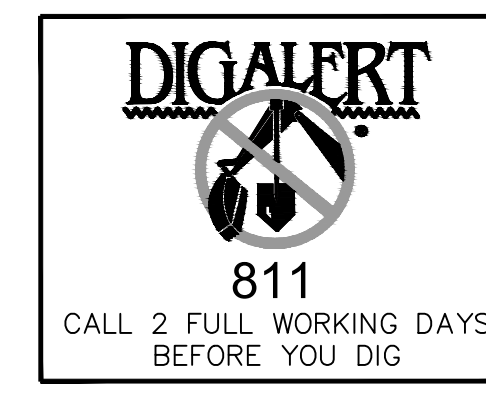
DEMOLITION PLAN: EL CAMINO REAL
SCALE: 1"=40'

"AS BUILT"

P.E. _____ EXP. _____ DATE _____

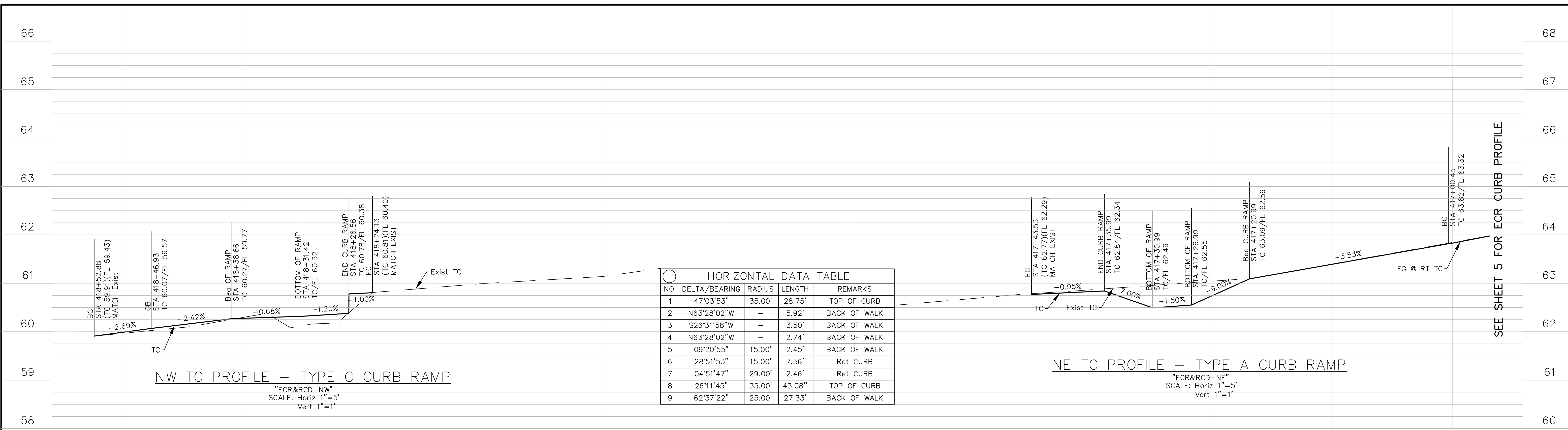
REVIEWED BY: _____

INSPECTOR _____ DATE _____

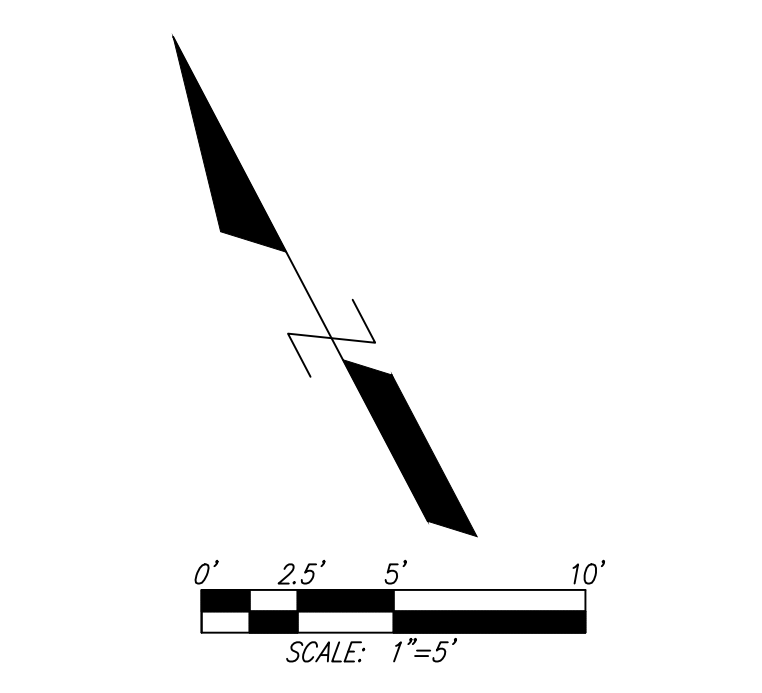
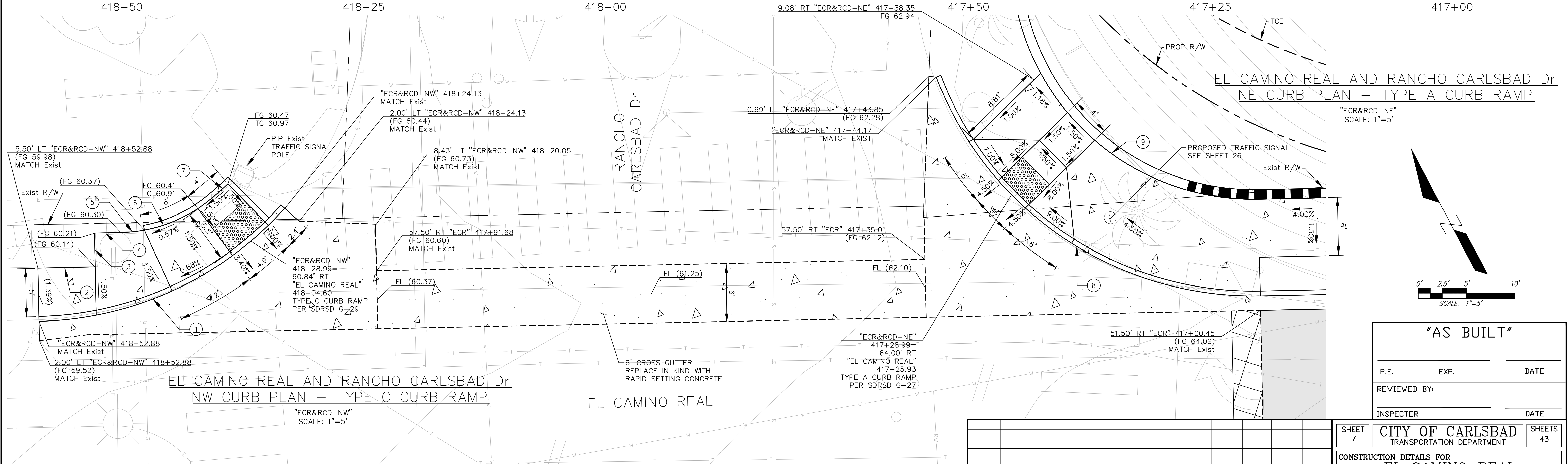


DATE	INITIAL	REVISION DESCRIPTION	DATE	INITIAL	DATE	INITIAL
ENGINEER OF WORK			OTHER APPROVAL	CITY APPROVAL		

SHEET 4	CITY OF CARLSBAD TRANSPORTATION DEPARTMENT	SHEETS 43
DEMOLITION PLANS FOR EL CAMINO REAL ROADWAY IMPROVEMENTS FROM SUNNY CREEK Rd TO JACKSPAR Dr		
APPROVED: _____ HOSSEIN AJUDEH		
ENGINEERING MANAGER RCE 75991 EXPIRES 6/30/24 DATE _____		
DWN BY: CP	PROJECT NO. 6094	DRAWING NO. DWG 529-1
CHKD BY: MEW		
RVWD BY: MT		



HORIZONTAL DATA TABLE				
NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	47°03'53"	35.00'	28.75'	TOP OF CURB
2	N63°28'02"W	-	5.92'	BACK OF WALK
3	S26°31'58"W	-	3.50'	BACK OF WALK
4	N63°28'02"W	-	2.74'	BACK OF WALK
5	09°20'55"	15.00'	2.45'	BACK OF WALK
6	28°51'53"	15.00'	7.56'	Ret CURB
7	04°51'47"	29.00'	2.46'	Ret CURB
8	26°11'45"	35.00'	43.08"	TOP OF CURB
9	62°37'22"	25.00'	27.33'	BACK OF WALK



"AS BUILT"

P.E. _____ EXP. _____ DATE _____

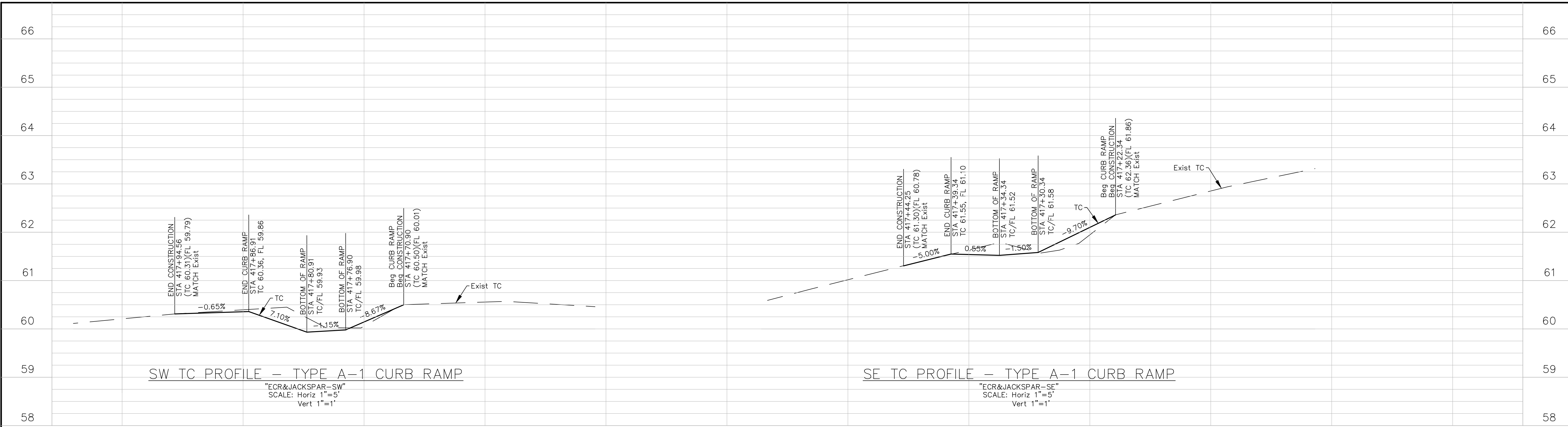
REVIEWED BY: _____

INSPECTOR _____ DATE _____

811
CALL 2 FULL WORKING DAYS
BEFORE YOU DIG

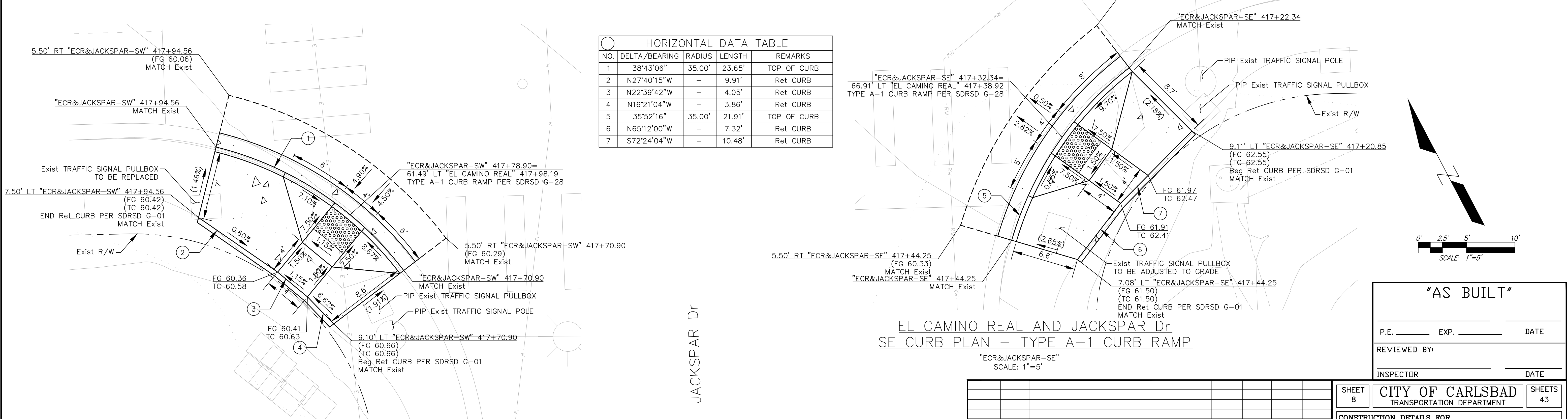
1450 PRAIRIE ROAD
SUITE 100
SAN DIEGO, CA 92126
(658) 514-8377

SHEET 7	CITY OF CARLSBAD TRANSPORTATION DEPARTMENT	SHEETS 43
CONSTRUCTION DETAILS FOR EL CAMINO REAL ROADWAY IMPROVEMENTS FROM SUNNY CREEK Rd TO JACKSPAR Dr		
APPROVED: _____ HOSSEIN AJUDEH ENGINEERING MANAGER RCE 75991 EXPIRES 6/30/24 DATE _____		
DWN BY: MC	PROJECT NO. 6094	DRAWING NO. DWG 529-1
CHKD BY: MEW		
RVWD BY: MT		

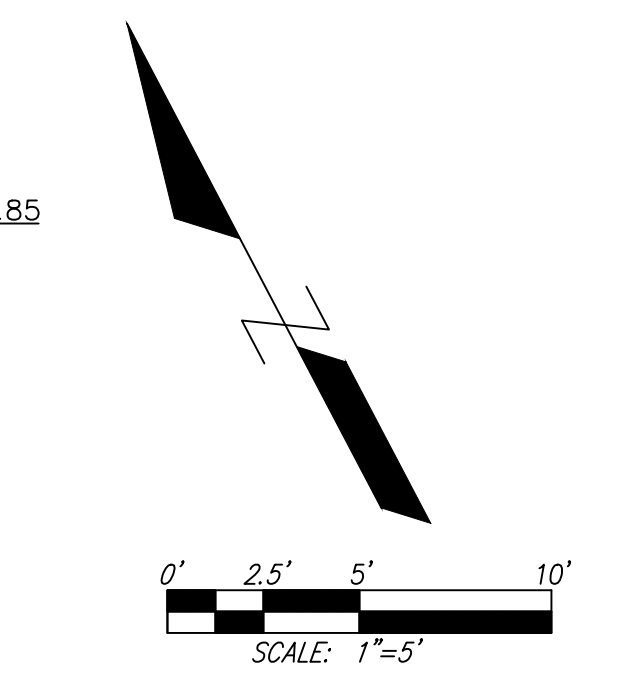


SW TC PROFILE - TYPE A-1 CURB RAMP
 "ECR&JACKSPAR-SW"
 SCALE: Horiz 1"=5'
 Vert 1"=1'

SE TC PROFILE - TYPE A-1 CURB RAMP
 "ECR&JACKSPAR-SE"
 SCALE: Horiz 1"=5'
 Vert 1"=1'

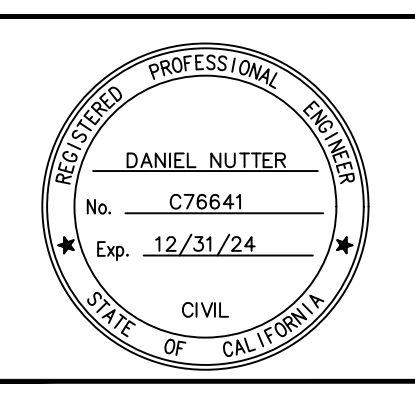
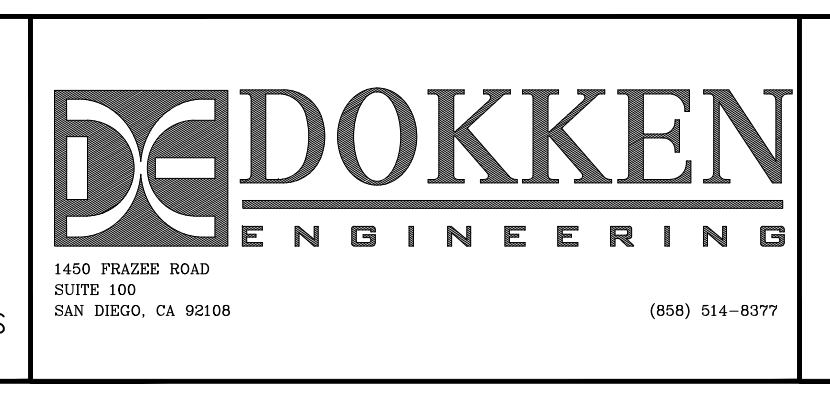
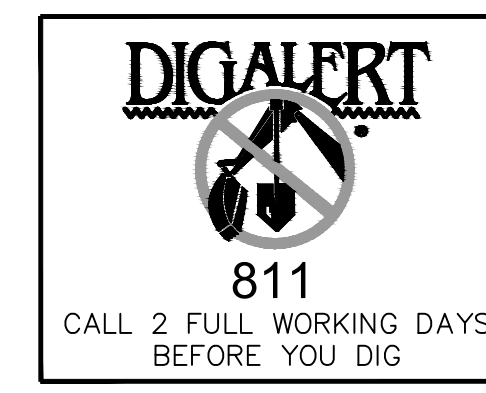


HORIZONTAL DATA TABLE				
NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	38°43'06"	35.00'	23.65'	TOP OF CURB
2	N27°40'15"W	-	9.91'	Ret CURB
3	N22°39'42"W	-	4.05'	Ret CURB
4	N16°21'04"W	-	3.86'	Ret CURB
5	S5°52'16"	35.00'	21.91'	TOP OF CURB
6	N65°12'00"W	-	7.32'	Ret CURB
7	S72°24'04"W	-	10.48'	Ret CURB



EL CAMINO REAL AND JACKSPAR Dr
 SW CURB PLAN - TYPE A-1 CURB RAMP
 "ECR&JACKSPAR-SW"
 SCALE: 1"=5'

EL CAMINO REAL AND JACKSPAR Dr
 SE CURB PLAN - TYPE A-1 CURB RAMP
 "ECR&JACKSPAR-SE"
 SCALE: 1"=5'



DATE	INITIAL	REVISION DESCRIPTION	DATE	INITIAL	DATE	INITIAL

"AS BUILT"

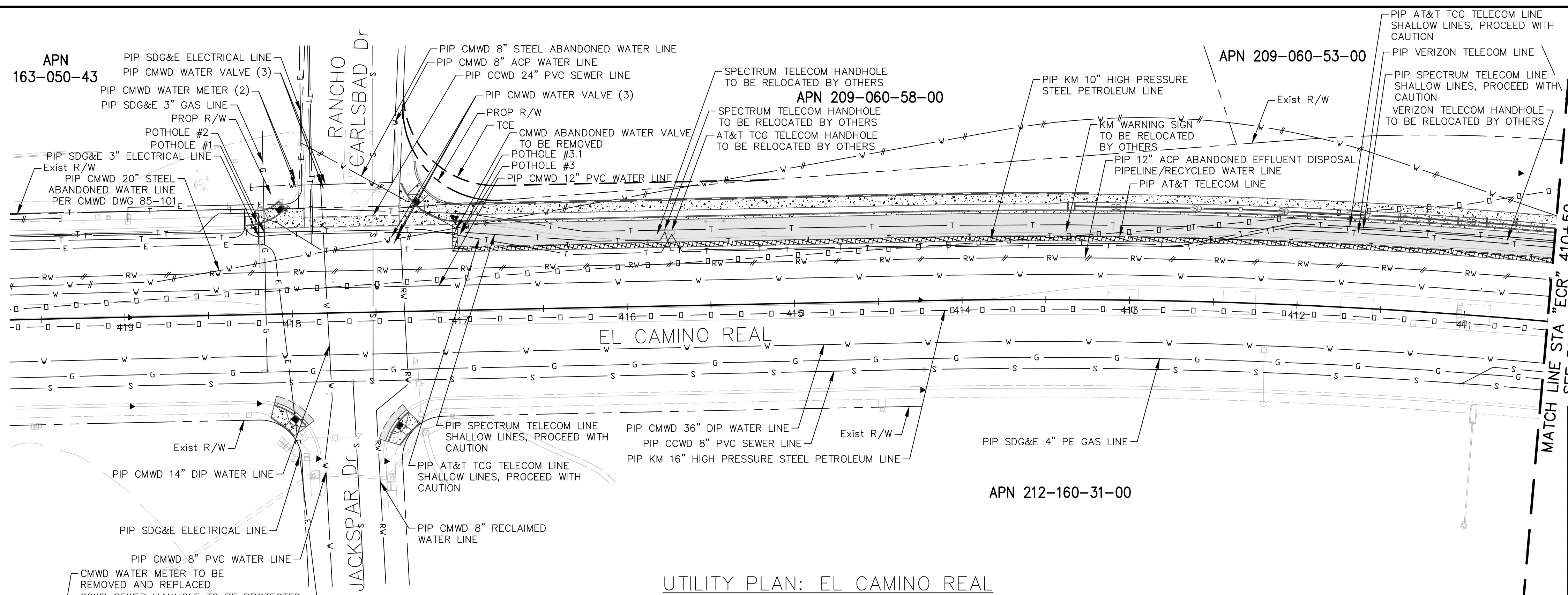
P.E. _____ EXP. _____ DATE _____

REVIEWED BY: _____

INSPECTOR _____ DATE _____

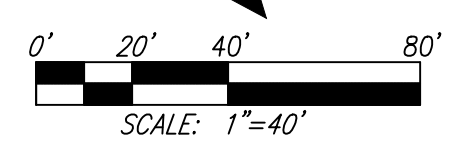
SHEET 8	CITY OF CARLSBAD TRANSPORTATION DEPARTMENT	SHEETS 43
CONSTRUCTION DETAILS FOR EL CAMINO REAL ROADWAY IMPROVEMENTS FROM SUNNY CREEK Rd TO JACKSPAR Dr		
APPROVED: _____ HOSSEIN AJUDEH		
ENGINEERING MANAGER RCE 75991 EXPIRES 6/30/24 DATE _____		
DWN BY: MC	PROJECT NO. 6094	DRAWING NO. DWG 529-1
CHKD BY: MEW		
RVWD BY: MT		

EL CAMINO REAL ROADWAY IMPROVEMENT PLANS - 100% PS&E SUBMITTAL (10/16/2023)



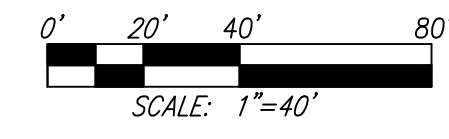
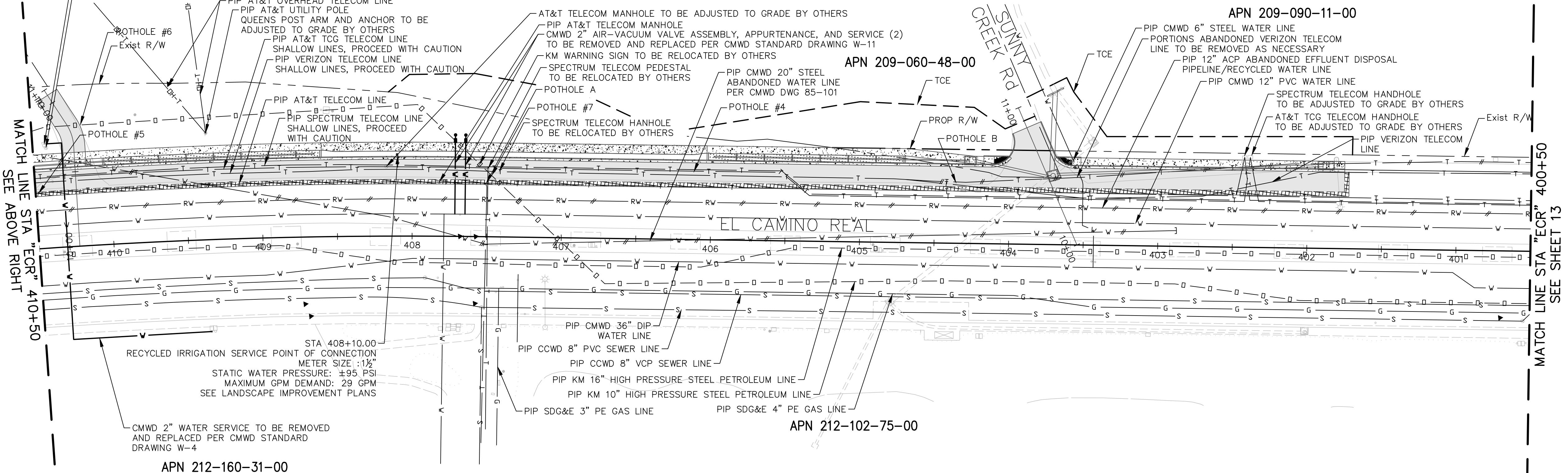
GENERAL NOTES:

- AMERICAN TELEPHONE & TELEGRAPH (AT&T)
- CITY OF CARLSBAD WASTEWATER DIVISION (CCWD)
- CARLSBAD MUNICIPAL WATER DISTRICT (CMWD)
- KINDER MORGAN ENERGY PARTNERS L.P. (KM)
- SAN DIEGO GAS & ELECTRIC (SDG&E)
- CONTRACTOR TO CONTACT CMWD FOR REMOVAL AND REPLACEMENT OF THEIR FACILITIES.
- CMWD VALVE CAN ADJUSTMENTS TO FOLLOW CMWD STANDARD DRAWING W-23



POTHOLE DATA									
	UTILITY	SIZE	MAT	OWNER	LANDMARK	DIST	TOP	TE	BE
1	ELECTRIC	3"	PLA	SDG&E	TRAFFIC SIGNAL	5.30'	3.30'	-	-
2	GAS	3"	STEEL	SDG&E	TRAFFIC SIGNAL	11.70'	3.92'	-	-
3	TELECOM	(2)2"	PLA	AT&T	TRAFFIC LIGHT	10.20'	2.80'	-	-
3.1	TELECOM	1"	PLA	SPECTRUM	TRAFFIC LIGHT	9.20'	1.84'	-	-
4	TELECOM	(3)2"	PLA	AT&T	ASPHALT CURB	6.10'	3.78'	-	-
5	TELECOM	-	ENCASED	AT&T	ASPHALT CURB	2.50'	-	5.10'	-
6	PETROLEUM	10"	STEEL	KINDER MORGAN	EDGE OF ASPHALT	1.90'	3.76'	-	-
7	PETROLEUM	10"	STEEL	KINDER MORGAN	TELECOM BOX	3.90'	5.52'	-	-
A	TELECOM	-	ENCASED	AT&T	TELECOM BOX	8.80'	2.72'	-	-
B	TELECOM	(2)1"	PLA	VERIZON	ASPHALT CURB	2.80'	1.50'	-	-

UTILITY PLAN: EL CAMINO REAL
SCALE: 1"=40'



UTILITY PLAN: EL CAMINO REAL
SCALE: 1"=40'

"AS BUILT"

P.E. _____ EXP. _____ DATE _____

REVIEWED BY: _____

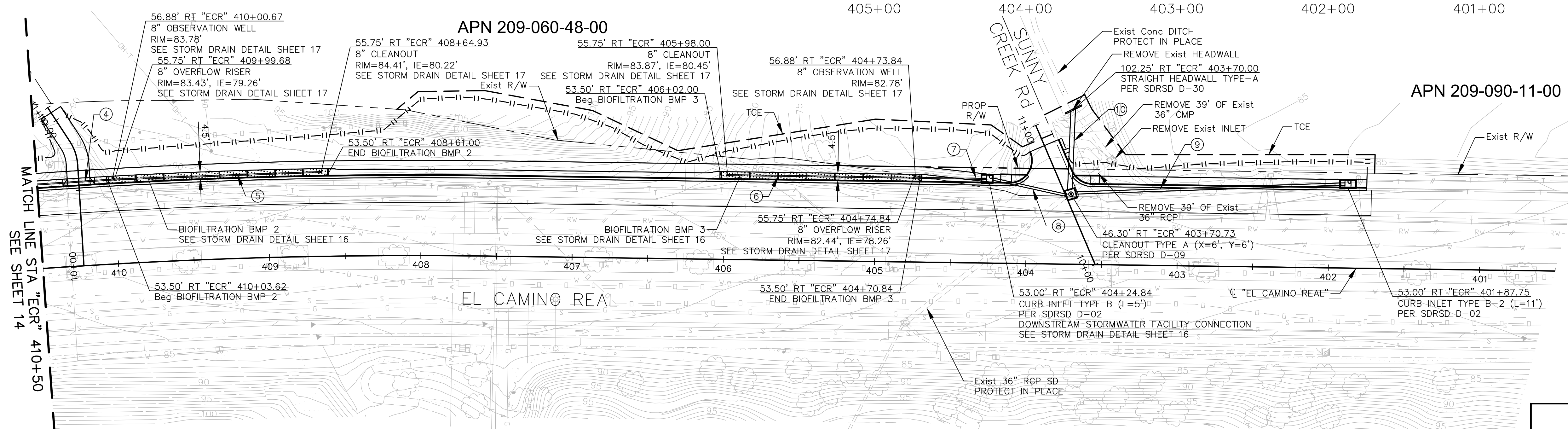
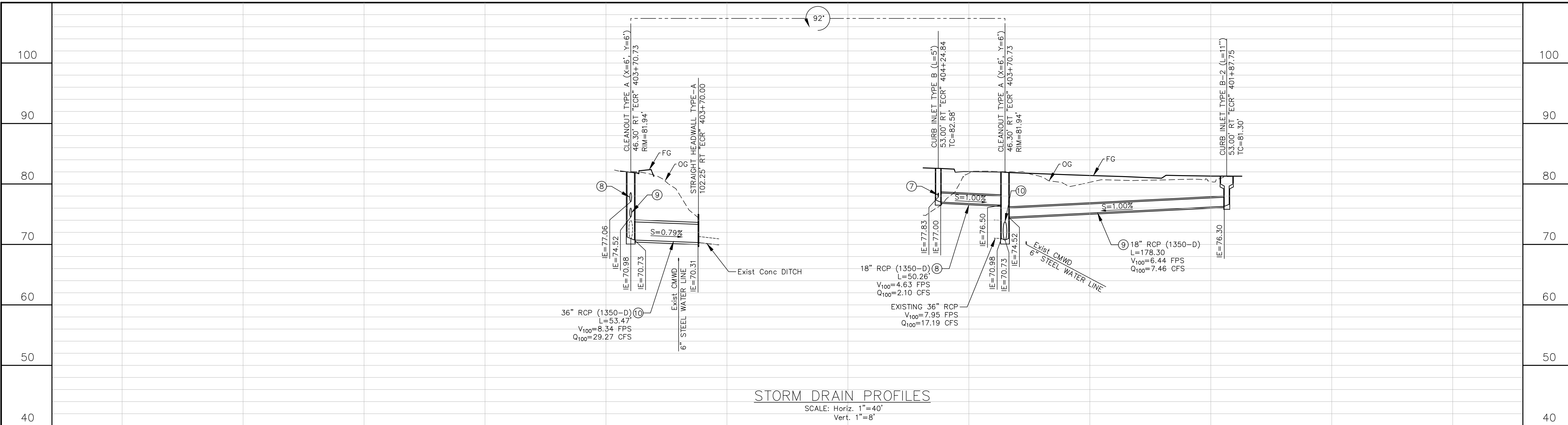
INSPECTOR _____ DATE _____

SHEET 12	CITY OF CARLSBAD TRANSPORTATION DEPARTMENT	SHEETS 43
UTILITY PLANS FOR EL CAMINO REAL ROADWAY IMPROVEMENTS FROM SUNNY CREEK Rd TO JACKSPAR Dr		
APPROVED:	HOSSEIN AJUDEH	
ENGINEERING MANAGER	RCE 75991	EXPIRES 6/30/24
DWN BY: GH	PROJECT NO. 6094	DRAWING NO. DWG 529-1
CHKD BY: MEW		
RVWD BY: MT		

811
CALL 2 FULL WORKING DAYS
BEFORE YOU DIG

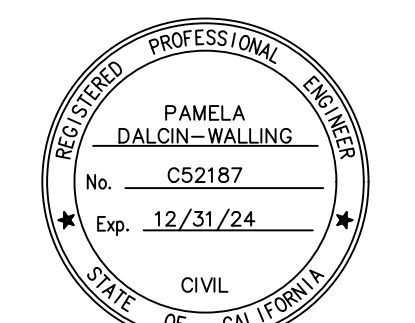
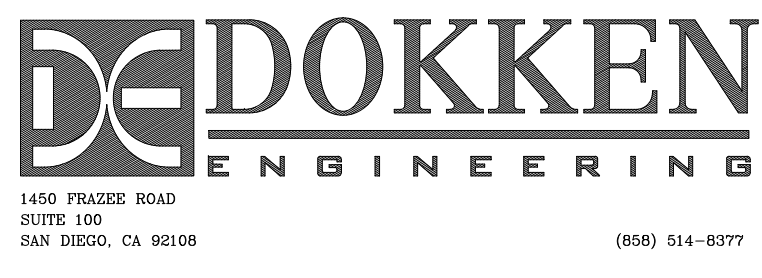
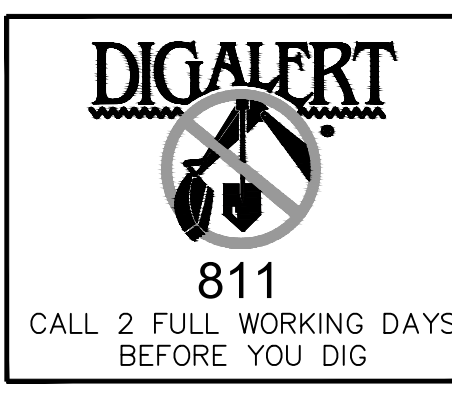
1450 PRAIRIE ROAD
SUITE 100
SAN DIEGO, CA 92108
(619) 514-8377

DATE	INITIAL	REVISION DESCRIPTION	DATE	INITIAL	DATE	INITIAL



- NOTES:**
1. PROVIDE STENCILING OR LABELING INDICATING "NO DUMPING ONLY RAIN IN THE DRAIN" AT PROPOSED CURB INLETS.
 2. BIOFILTRATION BMP CONFINED BY TYPE A GRAVITY WALL, THICKENED SIDEWALK, AND EMBEDDED MOD CURB & Gr. SEE IMPROVEMENT PLAN SHEETS.
 3. FOR 8" CLEANOUT, 24"x24" CLEANOUT, 8" OBSERVATION WELL, 8" OVERFLOW RISER, MODIFIED CURB OUTLET, AND BIOFILTRATION BMP, SEE STORM DRAIN DETAIL SHEETS.
 4. CURB INLET STATION/OFFSET TAKEN AT CENTER OF STRUCTURE AT TOP OF CURB.
 5. HEADWALL STATION/OFFSET TAKEN AT CENTER OF STRUCTURE.
 6. BIOFILTRATION BMP STATION/OFFSET TAKEN AT BACK OF CURB.
 7. 24"x24" CLEANOUT STATION/OFFSET TAKEN AT CENTER OF STRUCTURE.

NO.	BEARING	RADIUS	LENGTH	REMARKS
4	S57°00'35"E	-	62.50'	8" NON-PERFORATED PVC
5	S55°23'52"E	-	136.22'	8" PERFORATED PVC
6	S52°31'09"E	-	122.50'	8" PERFORATED PVC
7	S52°19'10"E	-	47.67'	8" NON-PERFORATED PVC
8	S40°54'29"E	-	50.26'	18" RCP
9	S55°14'02"E	-	178.30'	18" RCP
10	N33°12'45"E	-	53.47'	36" RCP



DATE	INITIAL	REVISION DESCRIPTION	DATE	INITIAL	DATE	INITIAL

"AS BUILT"

P.E. _____ EXP. _____ DATE _____

REVIEWED BY: _____

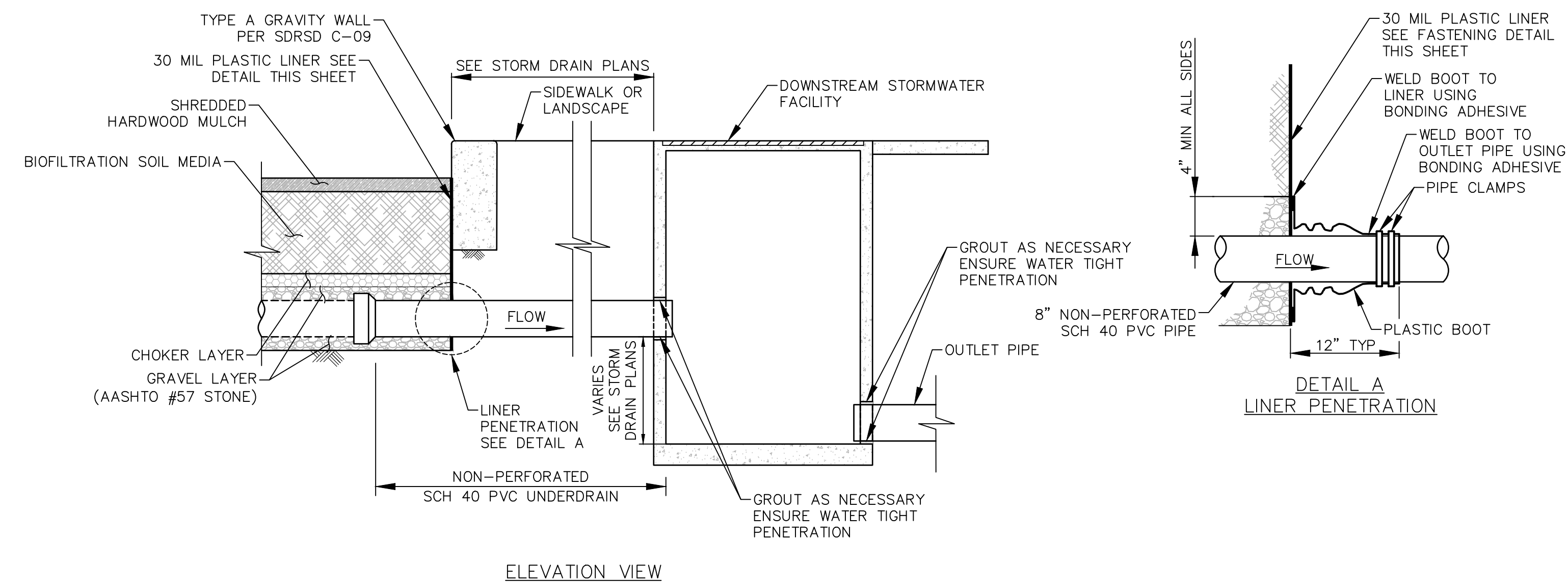
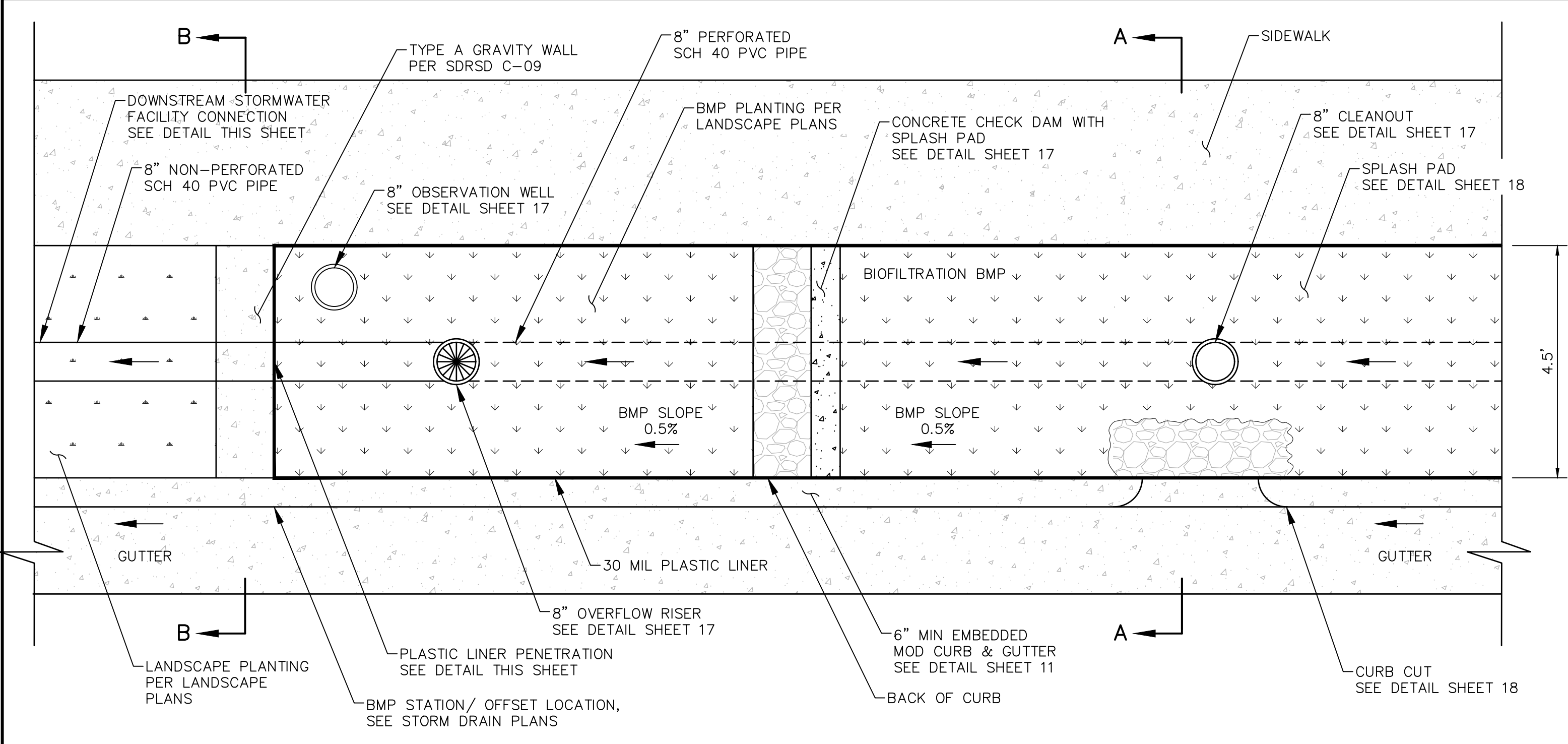
INSPECTOR _____ DATE _____

SHEET 15	CITY OF CARLSBAD TRANSPORTATION DEPARTMENT	SHEETS 43
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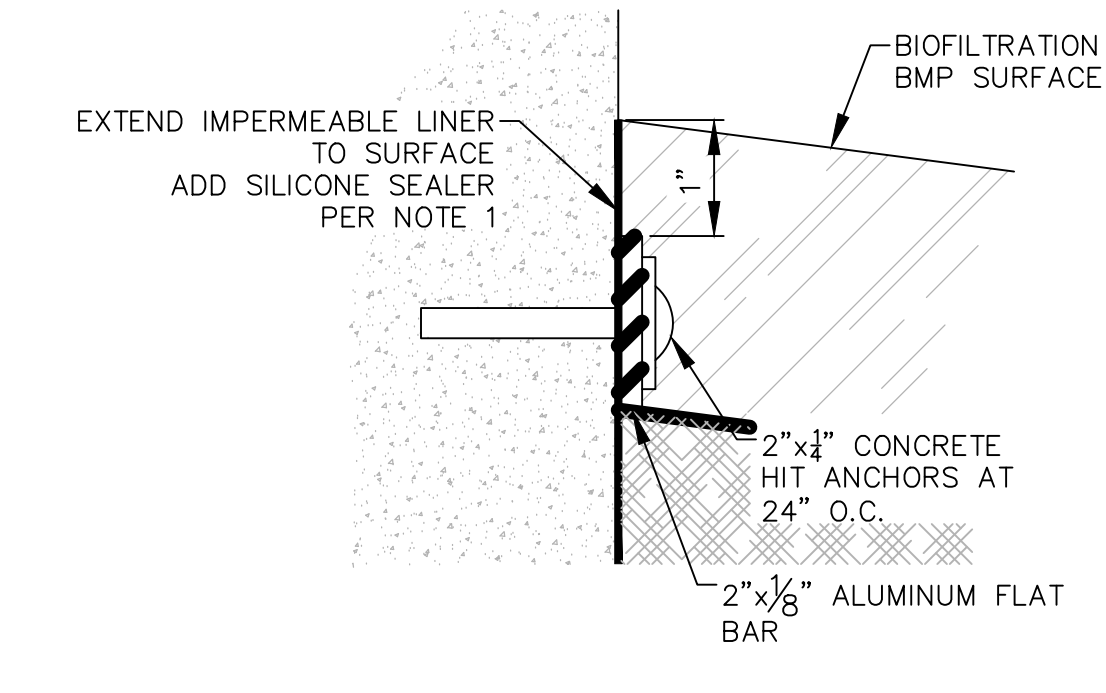
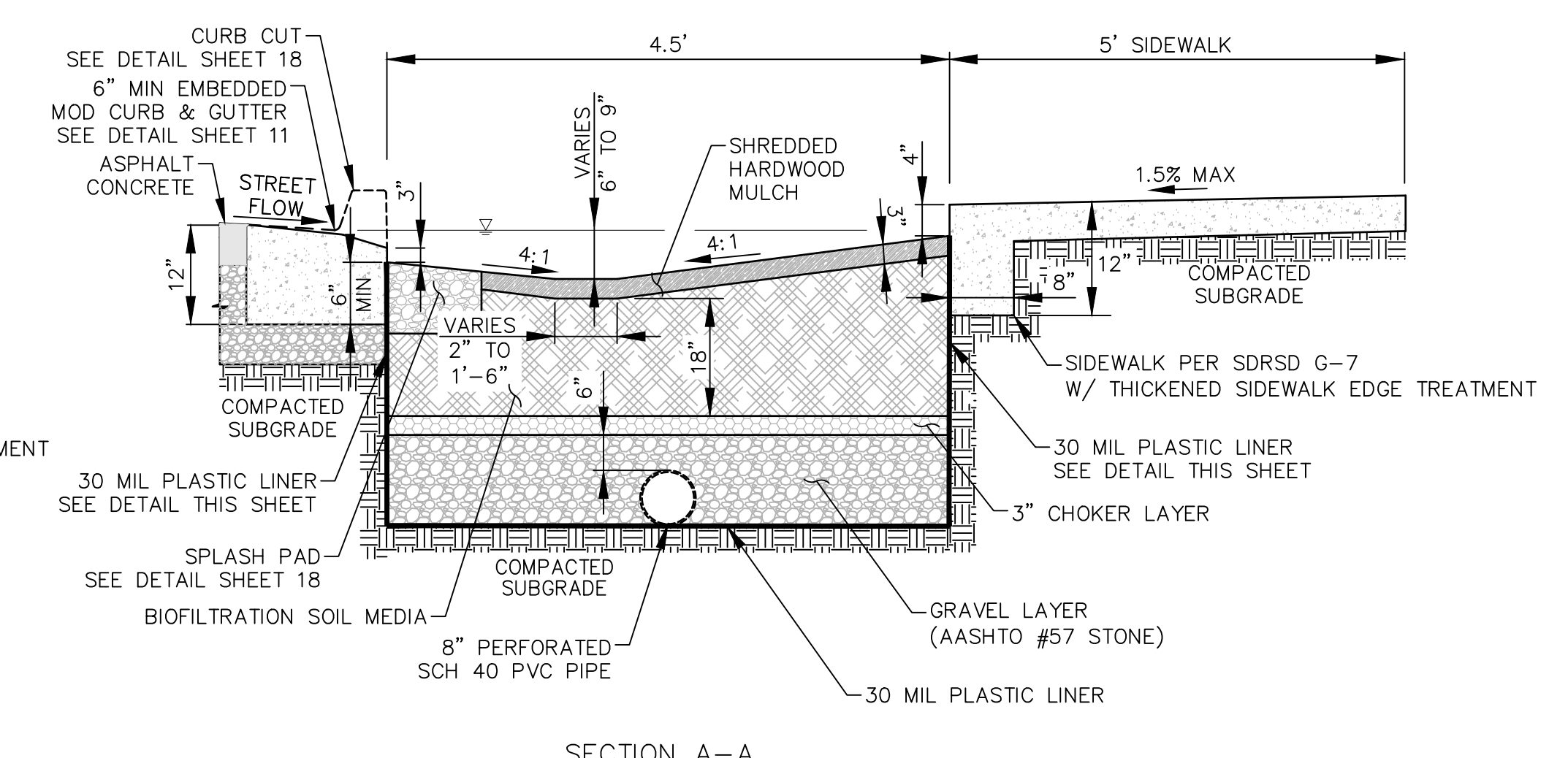
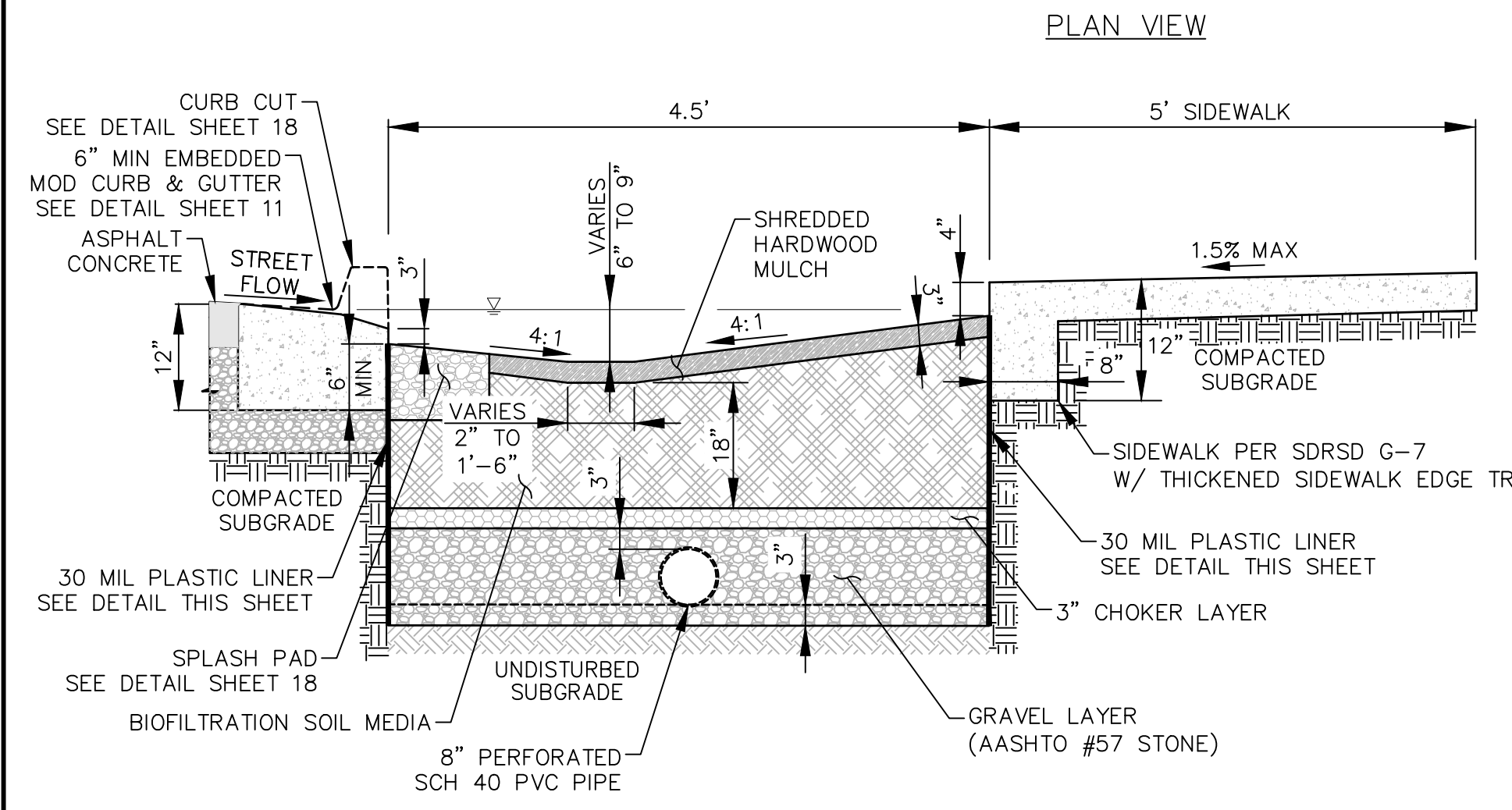
**STORM DRAIN PLANS AND PROFILES FOR
EL CAMINO REAL
ROADWAY IMPROVEMENTS
FROM SUNNY CREEK Rd TO JACKSPAR Dr**

APPROVED: _____ HOSSEIN AJUDEH
ENGINEERING MANAGER RCE 75991 EXPIRES 6/30/24 DATE _____

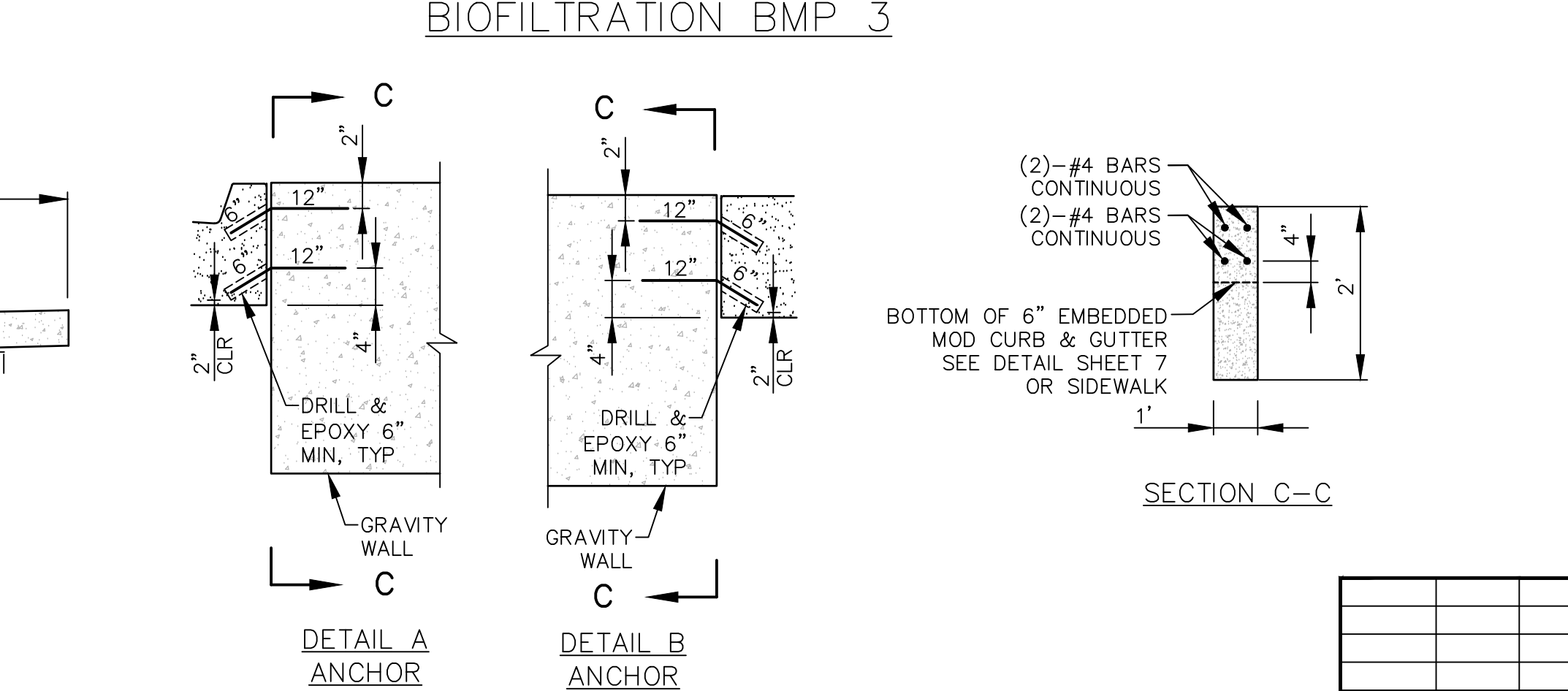
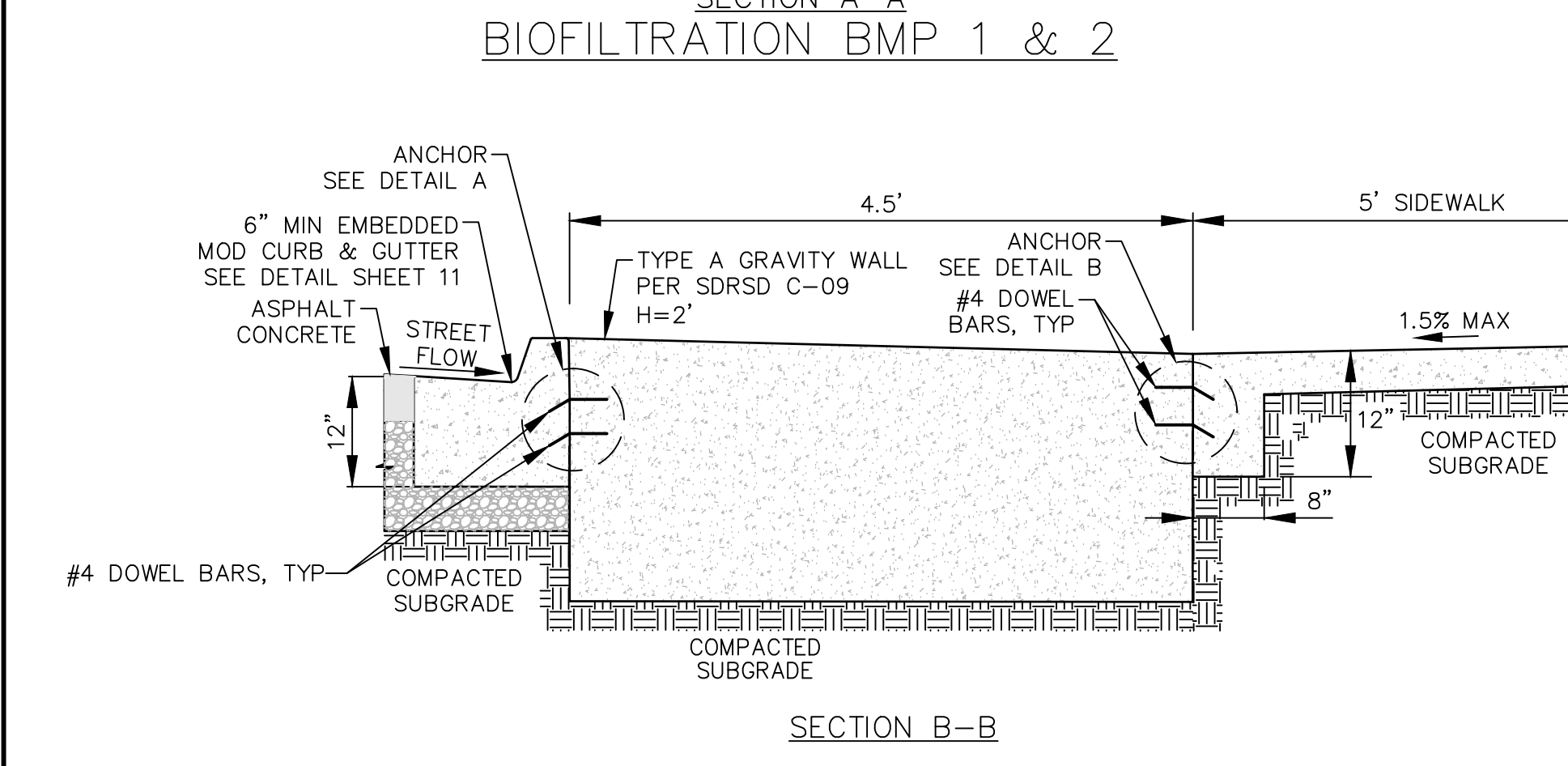
DWN BY: SM	PROJECT NO. 6094	DRAWING NO. DWG 529-1
CHKD BY: SK		
RVWD BY: PDW		



DOWNSTREAM STORMWATER FACILITY CONNECTION DETAIL
NOT TO SCALE



- NOTES:**
- ON CLEAN CONCRETE SURFACE, ADHERE LINER TO CONCRETE WITH SILICONE SEALANT OR EQUIVALENT PER MANUFACTURER RECOMMENDATIONS TO TOP 3" OF LINER.
 - SECURE LINER TO CONCRETE WITH 2" ALUMINUM OR STAINLESS STEEL FLAT BAR.
 - AS AN ALTERNATIVE, HIT ANCHORS CAN BE SUBSTITUTED WITH STAINLESS STEEL ANCHORS AT 24" O.C. OR POWDER ACTUATED FASTENERS AT 12" O.C.
 - TRIM EXCESS LINER TO BE FLUSH WITH SURFACE ELEVATION.
 - CONTRACTOR MEANS AND METHODS SHOULD AVOID/MINIMIZE WRINKLES TO THE LINER.



- NOTES:**
- CONCRETE SHALL BE 520-C-2500
 - SEAL PLASTIC LINER TO ADJACENT IMPROVEMENT AND EDGE RESTRAINTS PER IMPERMEABLE LINER FASTENING DETAIL. LINER TO EXTEND THE FULL DEPTH OF THE BMP AS SHOWN.
- BIOFILTRATION BMP**
NOT TO SCALE

811
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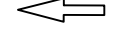

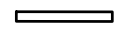
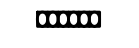

1450 PRAIRIE ROAD
SUITE 100
SAN DIEGO, CA 92108
(619) 514-8377

PAMELA DALTON-WALLING
No. C52187
Exp. 12/31/24
CIVIL
STATE OF CALIFORNIA

"AS BUILT"			
P.E. _____ EXP. _____ DATE _____		REVIEWED BY: _____	
INSPECTOR _____		DATE _____	
SHEET 16 CITY OF CARLSBAD TRANSPORTATION DEPARTMENT SHEETS 43 STORM DRAIN DETAILS FOR: EL CAMINO REAL ROADWAY IMPROVEMENTS FROM SUNNY CREEK Rd TO JACKSPAR Dr APPROVED: _____ HOSSEIN AJUDEH ENGINEERING MANAGER RCE 75991 EXPIRES 6/30/24 DATE _____ DWN BY: SM PROJECT NO. 6094 DRAWING NO. DWG 529-1 CHKD BY: SK RVWD BY: PDW			
DATE	INITIAL	DATE	INITIAL
ENGINEER OF WORK	REVISION DESCRIPTION	OTHER APPROVAL	CITY APPROVAL

EL CAMINO REAL ROADWAY IMPROVEMENT PLANS - 100% PS&E SUBMITTAL (10/16/2023)

TRAFFIC CONTROL LEGEND:

-  WORK AREA
-  TRAFFIC PLASTIC DRUM (TPD)
-  TEMPORARY TRAFFIC SIGN
-  TYPE III BARRICADE
-  DIRECTION OF TRAVEL
-  FLASHING BEACON
-  TEMPORARY RAILING (TYPE K)
-  TEMPORARY ALTERNATIVE INLINE CRASH CUSHION
-  TEMPORARY SHARED ROADWAY BICYCLE MARKING, CTSP A24C

NOTES:

1. CONTRACTOR TO SUBMIT TRAFFIC CONTROL PLANS TO BE APPROVED BY THE CITY.
2. ONE LANE OF TRAFFIC PER DIRECTION AT RANCHO CARLSBAD DR SHALL BE OPEN AT ALL TIMES.
3. MAINTAIN ACCESS TO SUNNY CREEK Rd AND DRIVEWAYS AT ALL TIMES.

STAGE 1 CONSTRUCTION:

1. RESTRIPE AND PLACE Temp TRAFFIC CONTROL.
2. CONSTRUCT EL CAMINO REAL WIDENING.
3. AFTER CONSTRUCTION OF WIDENING PERFORM FINAL STRIPING.

STAGE 1 TRAFFIC:

1. MAINTAIN TWO LANES OF TRAFFIC FOR NORTHBOUND EL CAMINO REAL. SEE PLAN FOR DIMENSIONS.
2. CLOSE ONE LANE AS REQUIRED AND USE "SIDE OF ROAD WORK AREA" TRAFFIC CONTROL PER SDRSD TOP-10A AND TOP-12A.
3. CURB RAMP CONSTRUCTION RESTRICTED TO ONE CORNER AT A TIME TO MAINTAIN PEDESTRIAN FACILITIES. SEE SHEET 25 FOR TYPICAL CURB RAMP CLOSURE DETAIL.

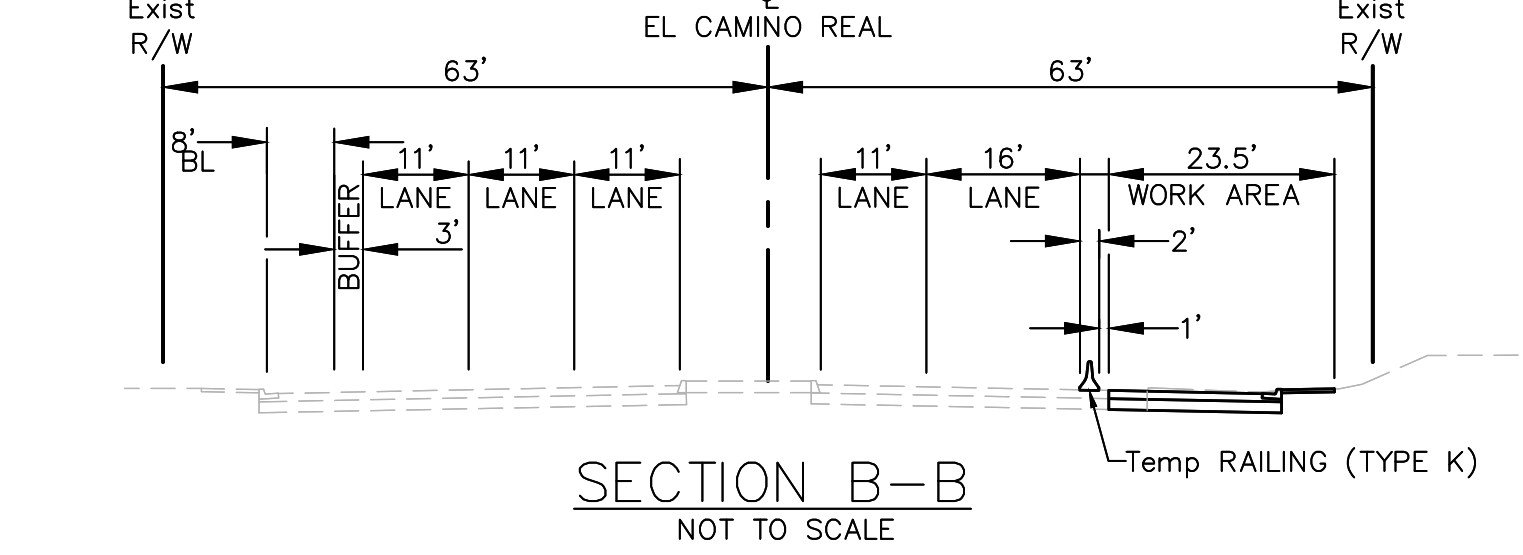
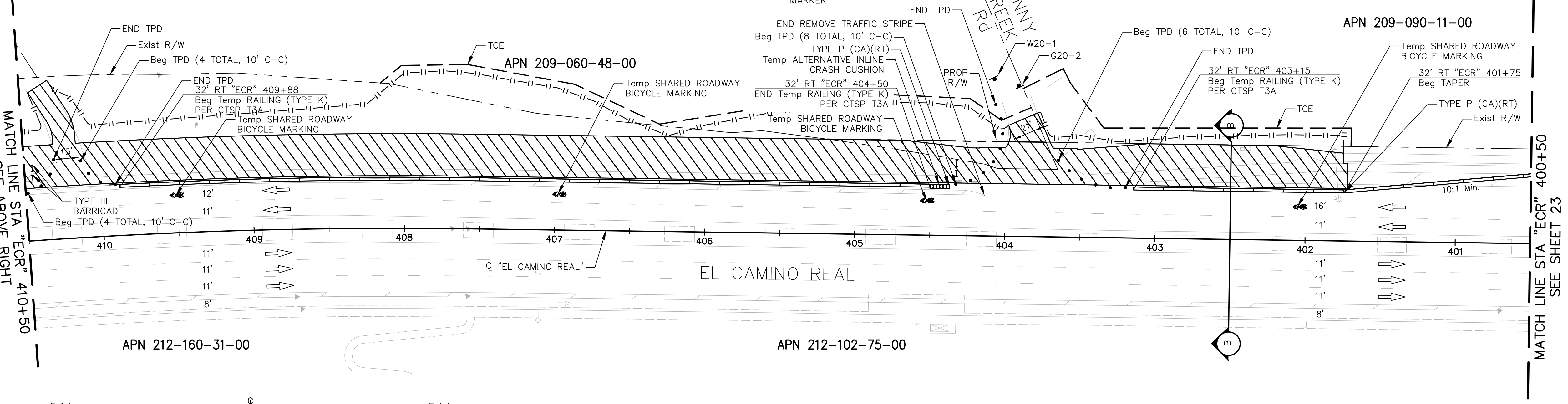
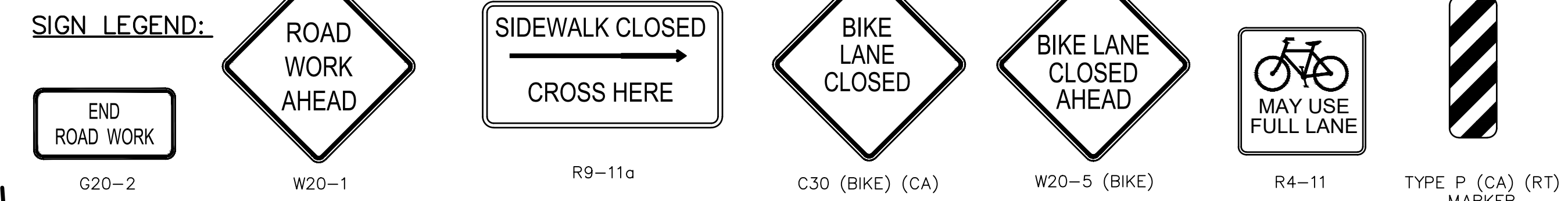
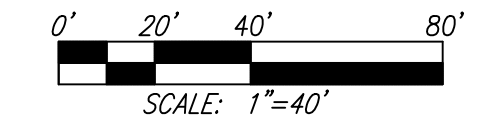
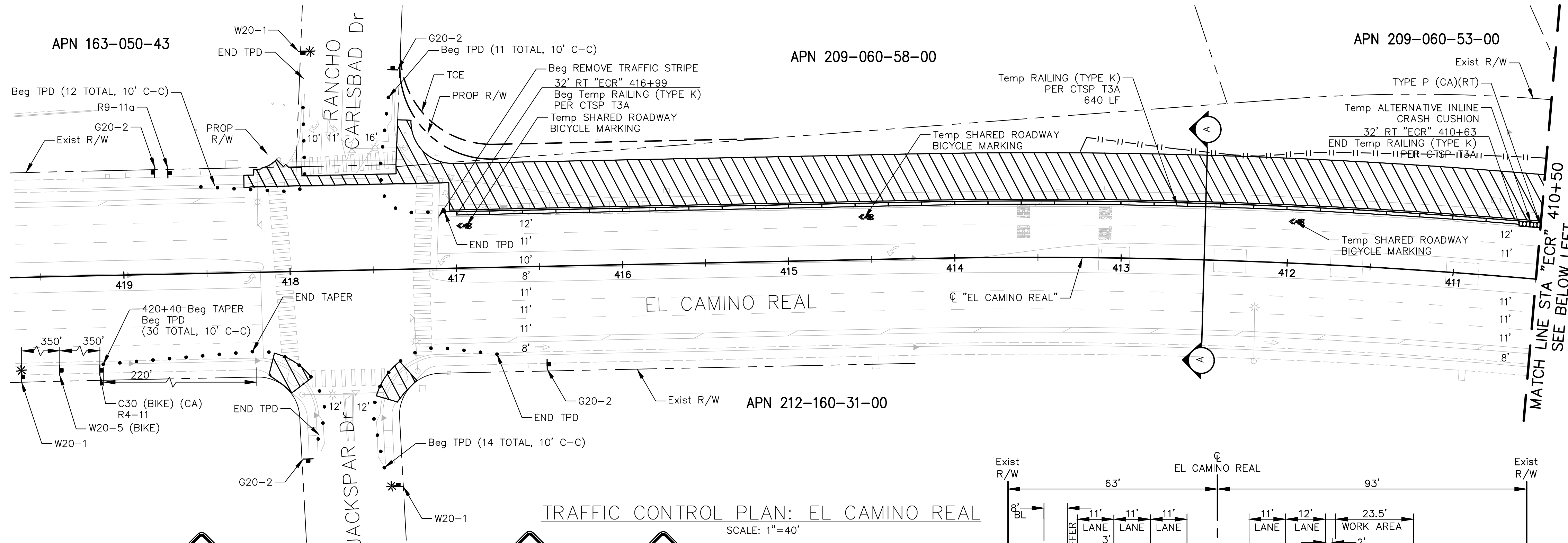
POSTED SPEED:

EL CAMINO REAL = 55 MPH

TRAFFIC CONTROL DESIGN SPEED:

EL CAMINO REAL = 45 MPH

FOR REFERENCE ONLY



TRAFFIC CONTROL PLAN: EL CAMINO REAL
SCALE: 1"=40'

"AS BUILT"

P.E. _____ EXP. _____ DATE _____

REVIEWED BY: _____

INSPECTOR _____ DATE _____

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DE DOKKEN ENGINEERING
1450 PRAIRIE ROAD
SUITE 100
SAN DIEGO, CA 92108
(619) 514-8377

PROFESSIONAL ENGINEER
DANIEL NUTTER
No. C76641
Exp. 12/31/24
CIVIL
STATE OF CALIFORNIA

DATE	INITIAL	REVISION DESCRIPTION	DATE	INITIAL	DATE	INITIAL

SHEET 22 CITY OF CARLSBAD TRANSPORTATION DEPARTMENT SHEETS 43


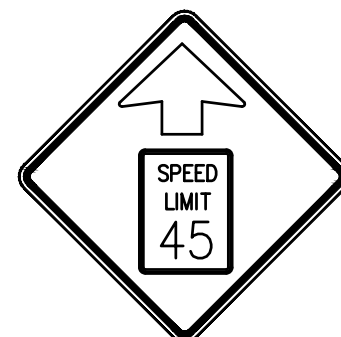






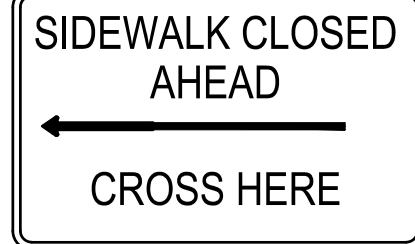
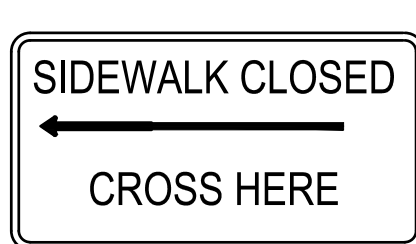
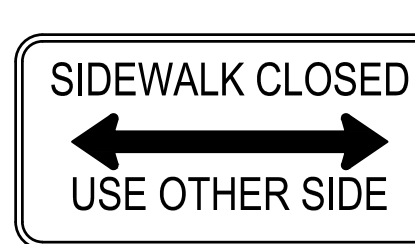



TRAFFIC CONTROL PLANS FOR EL CAMINO REAL ROADWAY IMPROVEMENTS FROM SUNNY CREEK Rd TO JACKSPAR Dr

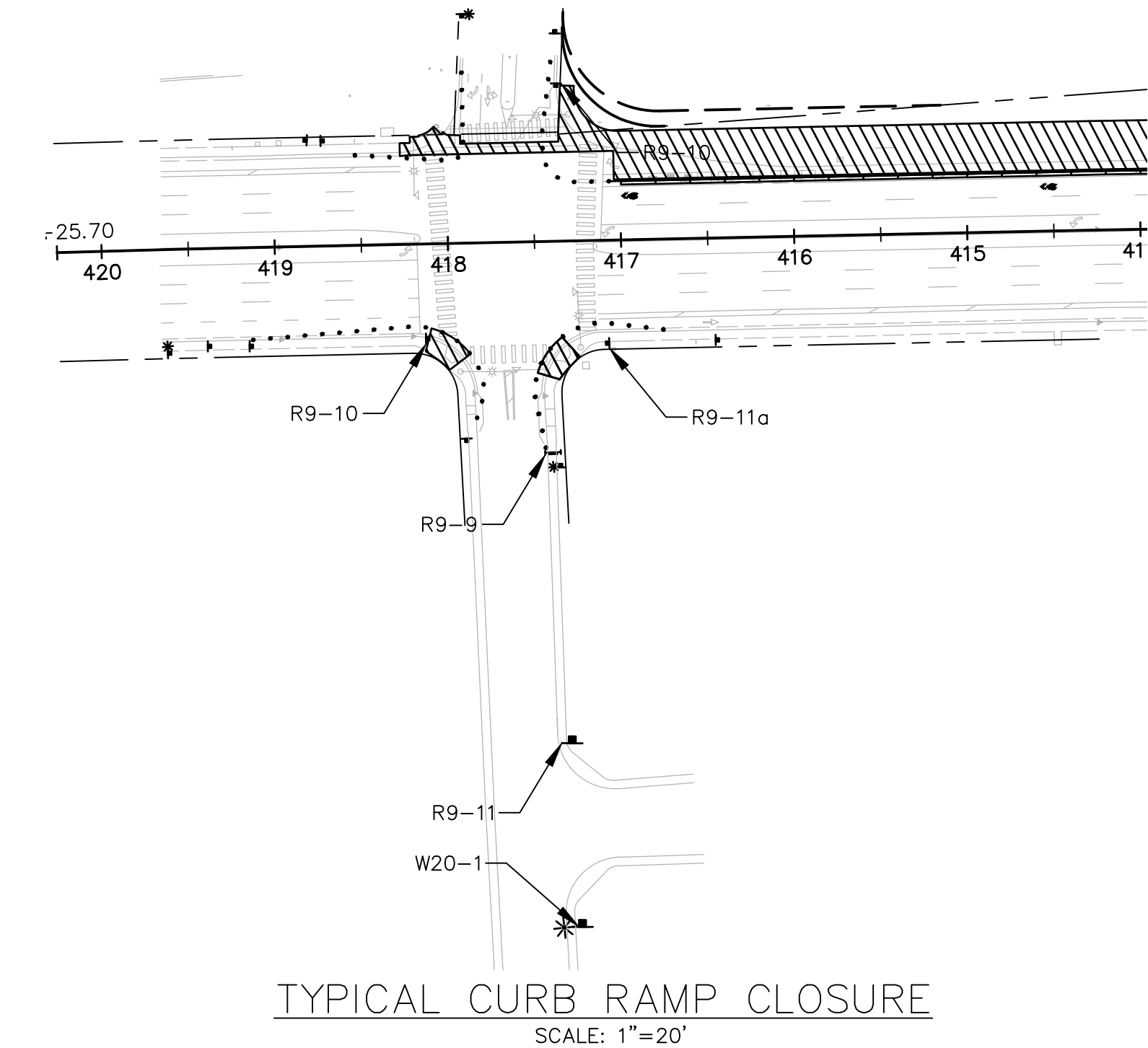
APPROVED: _____ HOSSEIN AJIDEH

ENGINEERING MANAGER RCE 75991 EXPIRES 6/30/24 DATE _____

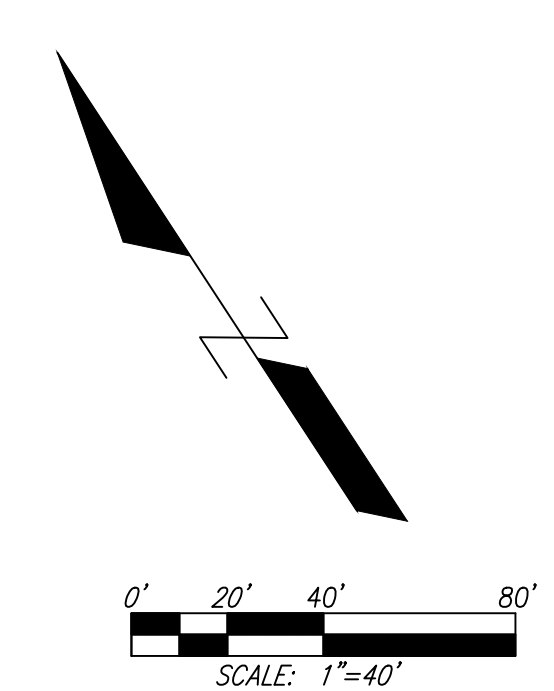
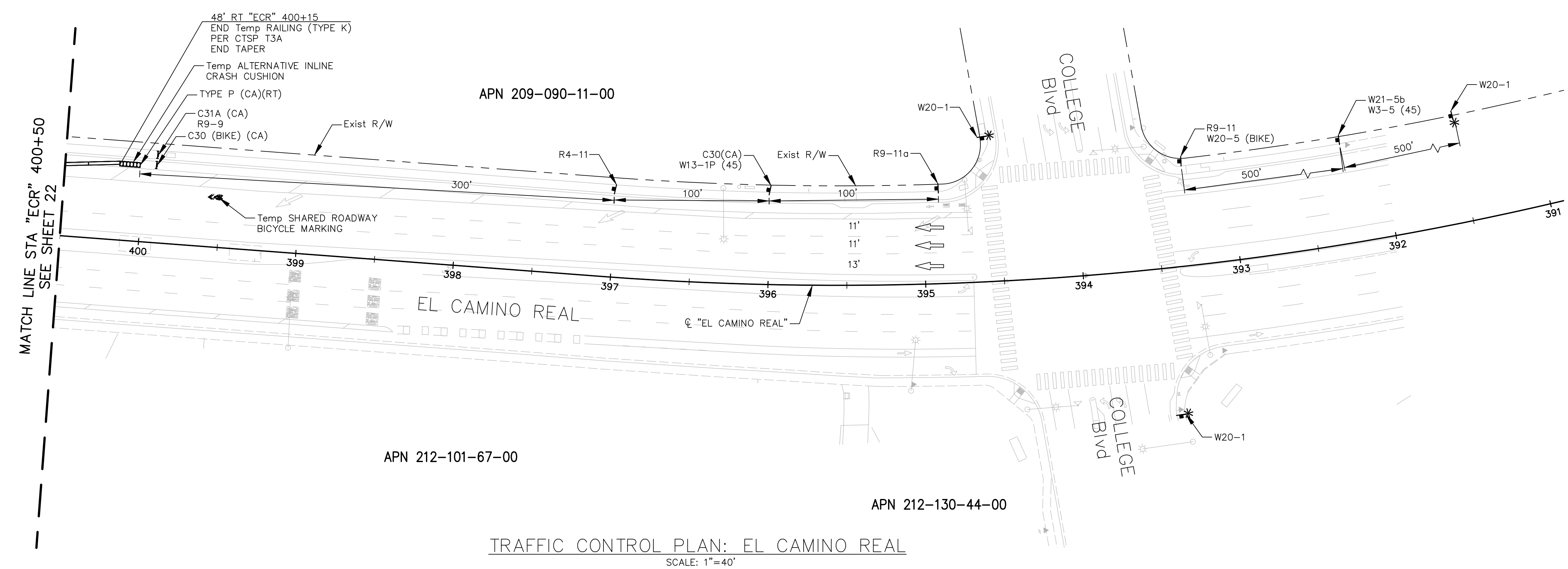
DWN BY: MC PROJECT NO. 6094 DRAWING NO. DWG 529-1
CHKD BY: MEW
RVWD BY: MT

SIGN LEGEND:

 W21-5b	 W3-5 (45)	 C31A (CA)	 C30A (CA)	 C30 (BIKE) (CA)	 W20-1	 W20-5 (BIKE)
 R9-9	 R9-11	 R9-11a	 R9-10	 TYPE P (CA) (RT) MARKER	 W13-1P (45)	 R4-11



FOR REFERENCE ONLY



"AS BUILT"



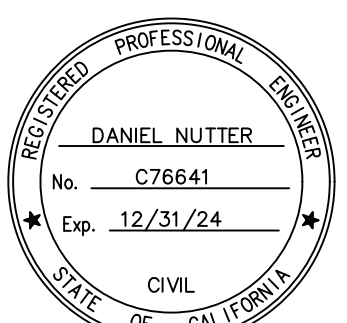
P.E. _____ EXP. _____ DATE _____

REVIEWED BY: _____

INSPECTOR _____ DATE _____

DATE	INITIAL	REVISION DESCRIPTION	DATE	INITIAL	DATE	INITIAL

SHEET 23	CITY OF CARLSBAD TRANSPORTATION DEPARTMENT	SHEETS 43
TRAFFIC CONTROL PLANS FOR EL CAMINO REAL ROADWAY IMPROVEMENTS FROM SUNNY CREEK Rd TO JACKSPAR Dr		
APPROVED: _____ HOSSEIN AJDEH		
ENGINEERING MANAGER RCE 75991 EXPIRES 6/30/24 DATE _____		
DWN BY: MC	PROJECT NO. 6094	DRAWING NO. DWG 529-1
CHKD BY: MEW		
RVWD BY: MT		

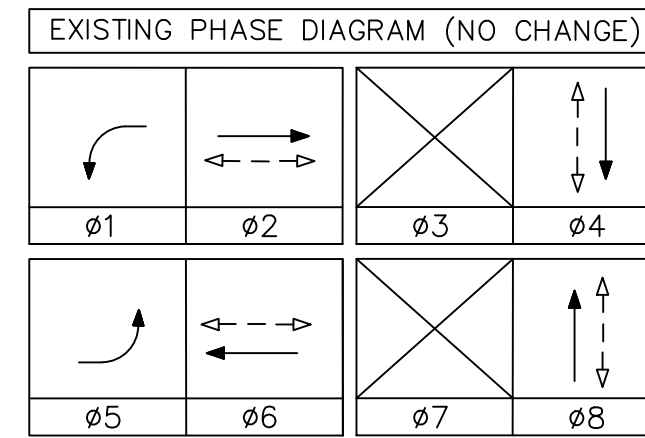
 811 CALL 2 FULL WORKING DAYS BEFORE YOU DIG	 DOKKEN ENGINEERING 1450 PRAIRIE ROAD SUITE 100 SAN DIEGO, CA 92108 (619) 514-8377	 REGISTERED PROFESSIONAL ENGINEER DANIEL NUTTER No. C76641 Exp. 12/31/24 CIVIL STATE OF CALIFORNIA
---	--	---

TRAFFIC SIGNAL NOTES

SEE SHEET 25 FOR TRAFFIC SIGNAL GENERAL NOTES.

CONSTRUCTION NOTES

- 1 EXISTING CONTROLLER ASSEMBLY WITH BBS TO REMAIN. INSTALL NEW CONDUIT INTO EXISTING CABINET WITH LB FITTING.
- 2 EXISTING 120/240 V TYPE III-BF SERVICE EQUIPMENT ENCLOSURE TO REMAIN.
- 3 RC EXISTING LEFT TURN YIELDS, INSTALL MAST ARM MOUNTED SIGN PER CALTRANS STANDARD PLAN ES-7N, DETAIL "U". SIGN TYPE NOTED ON PLAN.
- 4 REPLACE EXISTING PULL BOX.
- 5 RS EXISTING SP-2-T, INSTALL SP-1-T.
- 6 RS EXISTING PPB, INSTALL POLARA APS.
- 7 RS EXISTING PEDESTRIAN SIGNAL MODULE. INSTALL LED COUNT DOWN PEDESTRIAN SIGNAL MODULE IN EXISTING HOUSING.



POLE REMOVAL SCHEDULE

Loc	STANDARD TYPE	SMA Sig
D	1-A	-

POLE AND EQUIPMENT SCHEDULE

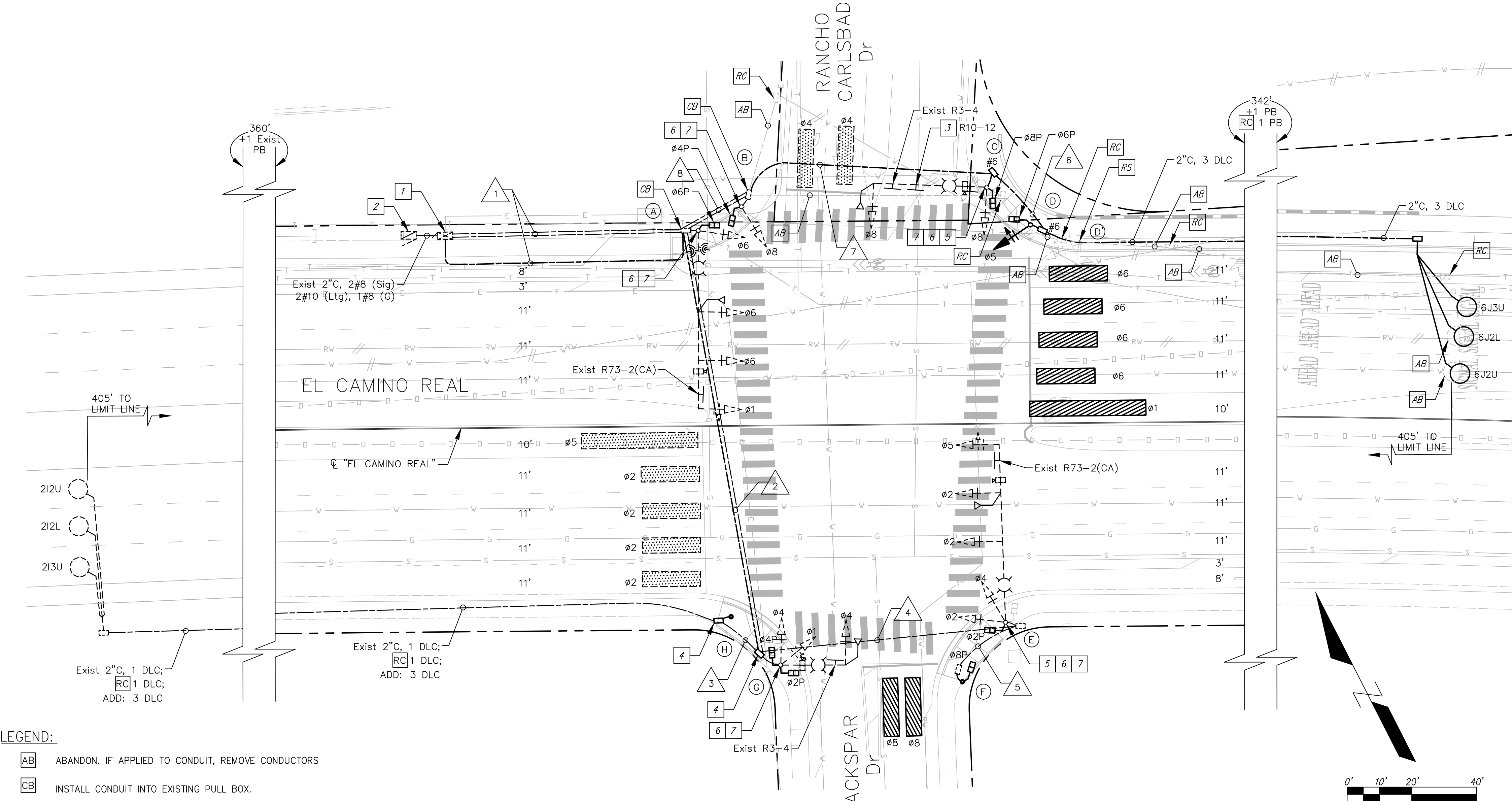
Loc	STANDARD		MAST ARMS		Lum	SIGNAL MOUNTING			APS (N)		NOTES
	TYPE	HEIGHT	Sig	Ltg		MAST ARM	POLE	PED	ø	ARROW	
A	29-5-70	30'	55'	15'	120W	3-MAS	SV-1-T	SP-1-T	4P	6 7	
B	1-A	10'	-	-	-	-	TV-1-T	SP-1-T	6P	6 7	
C	24-3-70	30'	35'	15'	120W	MAS	SV-1-T	SP-1-T(N)	6P	3 5 6 7	
D	1-A(N)	10'	-	-	-	-	TV-1-T(N)	SP-1-T(N)	8P	6 7	
E	29-5-70	30'	55'	15'	120W	3-MAS	SV-2-TB	SP-1-T(N)	8P	5 6 7	
F	1-A(N)	7'	-	-	-	-	-	TP-1-T(N)	2P	6 7	
G	17-3-70	30'	20'	15'	120W	MAS	SV-2-TB	SP-2-T	2P	6 7	
H	PBA POST(N)	5'-7"	-	-	-	-	-	-	4P	6 7	

ALL EQUIPMENT IS EXISTING UNLESS OTHERWISE NOTED.
(N) NEW EQUIPMENT

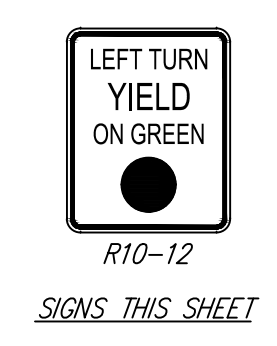
CONDUCTOR AND CONDUIT SCHEDULE

CABLE TYPE	Loc	PHASE	CONDUIT RUN NUMBER AND SIZE															
			1	2	3	4	5	6	7	8								
VEH-PED 12CSC	A	1,6,6P	1															
	B	8,4P	1															
	C	8,8P	1(N)															
	D	5,6P	1(N)															
	E	2,4,5,2P	2	2			2											
	F	8P	1(N)	1(N)			1(N)											
	G	1,4,2P,4P	1	1			1(N)											
	H	4P	1(N)	1(N)			1(N)											
APS 3CSC	TOTAL		8	4	4	1	3	2	1	1	1	2	3					
AWG	Ckt																	
#10	Ltg		2	2		2	2				2(N)	2						
#8	G		1	1	1	1	1	1(N)	1(N)	1(N)	1(N)	1(N)						
EVD CABLE			4	2		1						1(N)	1(N)					
ADVANCED DIGITAL CABLE PN: 99163SFX - ITERIS SPEC. CABLE			4(N)	2(N)		1(N)						1(N)	1(N)					
LOOP DLC (TYPE B)																		
PHASE 2			3(N)	3(N)	3(N)													
PHASE 6			3(N)						3(N)	3(N)	3(N)							
TOTAL DLC			6	3	3				3	3	3							
CONDUIT SIZE			2-3"	3"	2"	3"	2"	3"	4"	2-3.5"								
CONDUIT STATUS			Exist NEW	Exist NEW	Exist	Exist	Exist	Exist	NEW	NEW	Exist							
% FILL			26/26 25(N)	24 24(N)	12	30	22	12	15	13/13								

(N)=NEW
ALL CONDUCTORS AND CABLES ARE EXISTING UNLESS LABELED AS NEW



- LEGEND:**
- AB ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS
 - CB INSTALL CONDUIT INTO EXISTING PULL BOX.
 - RC EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME PROPERTY OF THE CONTRACTOR
 - RS REMOVE AND SALVAGE EQUIPMENT
 - EXISTING VIDEO DETECTION CAMERA
 - EXISTING EVPE
 - EXISTING VIDEO DETECTION ZONE
 - PROPOSED VIDEO DETECTION ZONE
 - EXISTING WIRELESS INTERCONNECT ANTENNA



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DE DOKKEN ENGINEERING
1450 PRAIRIE ROAD
SUITE 100
SAN DIEGO, CA 92161
(858) 514-8377

REGISTERED PROFESSIONAL ENGINEER
JOSE OSTDIK
No. C65334
Exp. 9/30/25
CIVIL
STATE OF CALIFORNIA

DATE	INITIAL	REVISION DESCRIPTION	DATE	INITIAL	DATE	INITIAL

"AS BUILT"

P.E. _____ EXP. _____ DATE _____

REVIEWED BY: _____

INSPECTOR _____ DATE _____

SHEET 26 CITY OF CARLSBAD TRANSPORTATION DEPARTMENT SHEETS 43

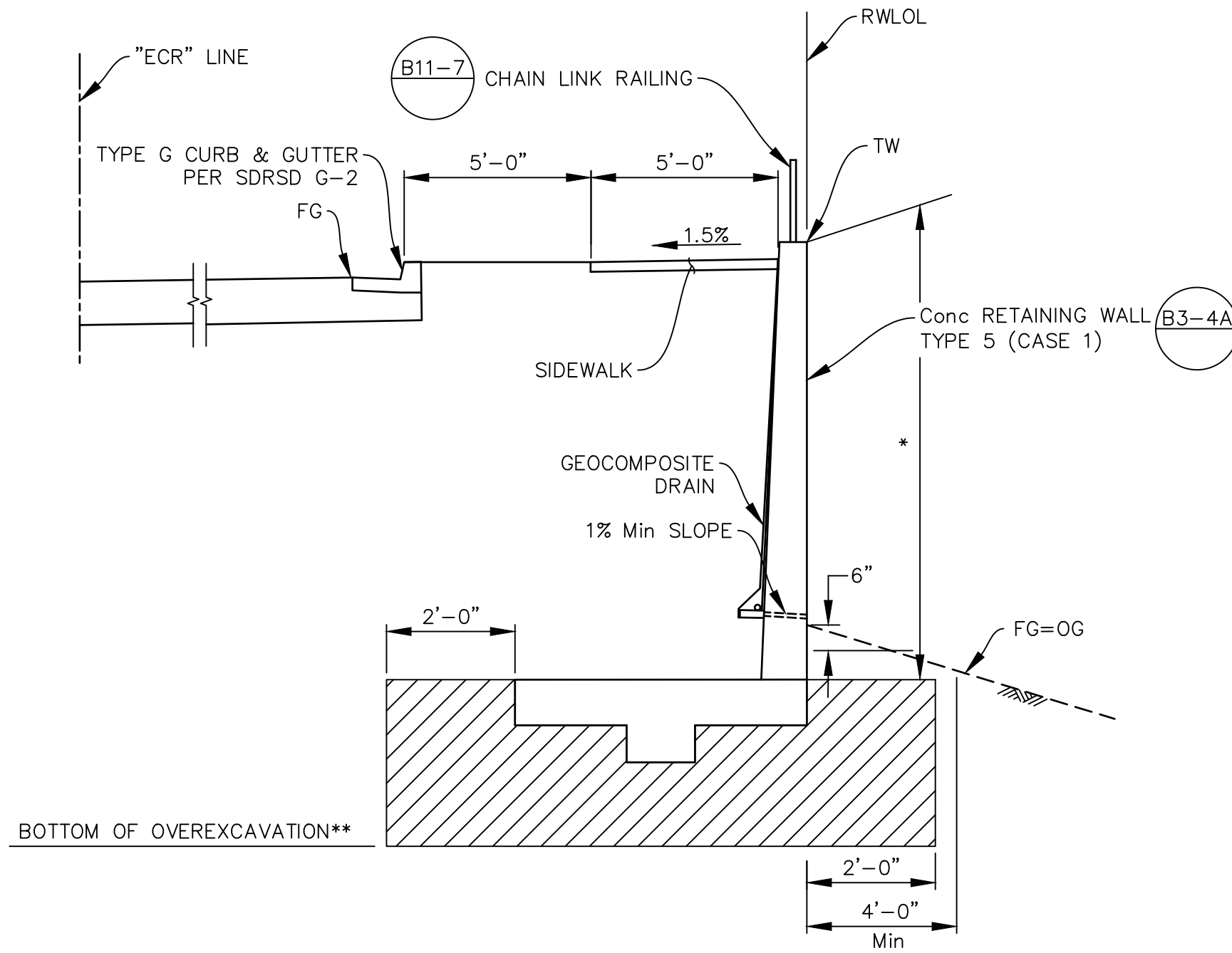
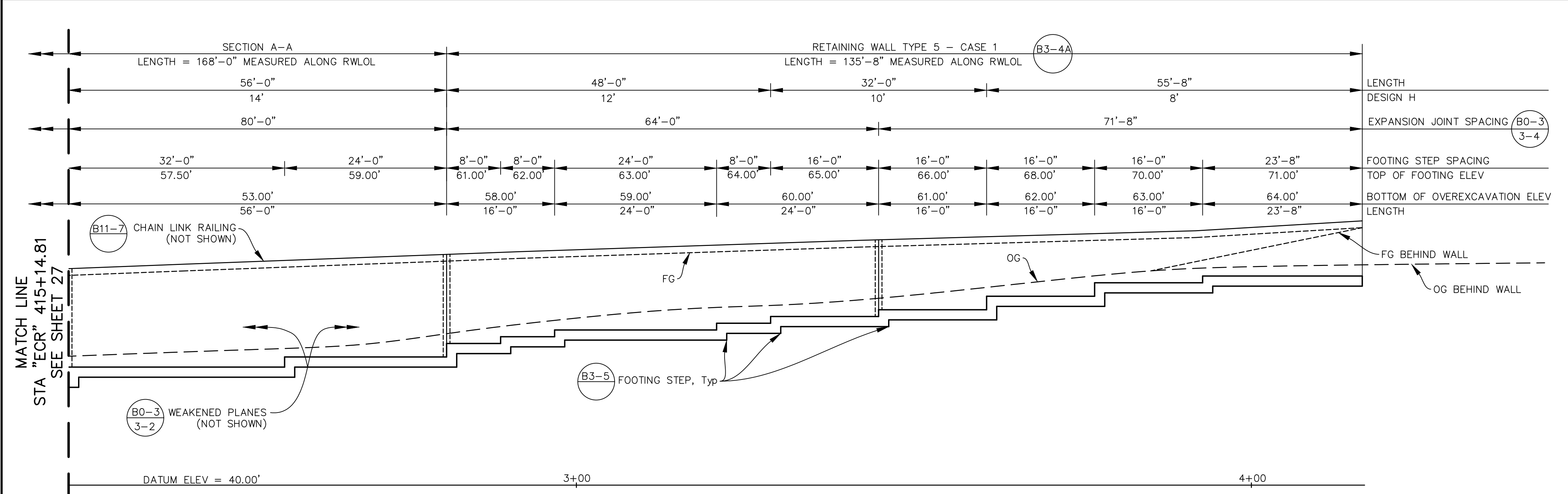
TRAFFIC SIGNAL PLAN FOR:
EL CAMINO REAL ROADWAY IMPROVEMENTS
FROM SUNNY CREEK Rd TO JACKSPAR Dr

APPROVED: _____ HOSSEIN AJUDEH
ENGINEERING MANAGER RCE 75991 EXPIRES 6/30/24 DATE _____

DWN BY: ES PROJECT NO. 6094 DRAWING NO. DWG 529-1
CHKD BY: JO
RVWD BY: MT

EL CAMINO REAL ROADWAY IMPROVEMENT PLANS - 100% PS&E SUBMITTAL (10/16/2023)

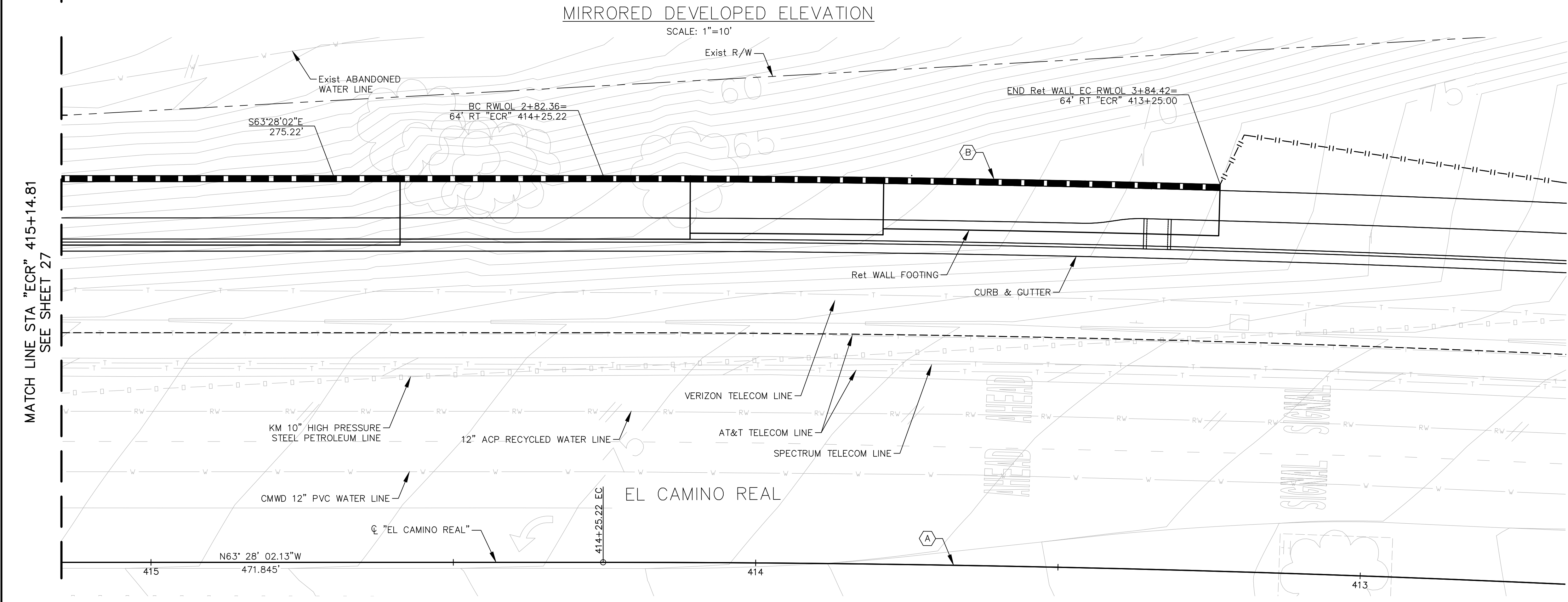
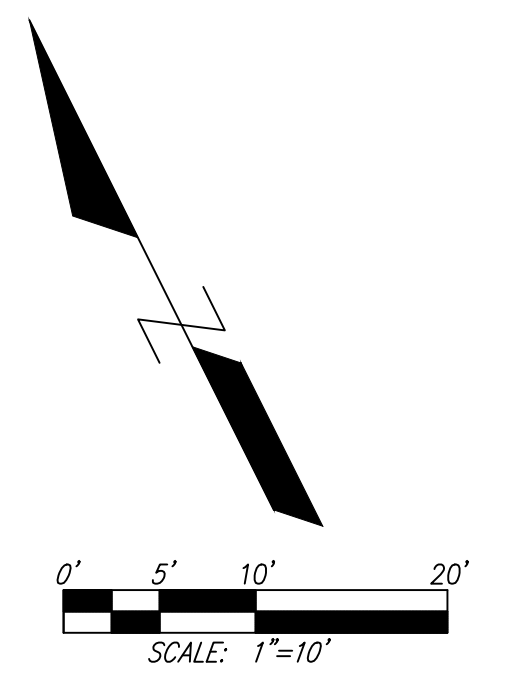
EL CAMINO REAL ROADWAY IMPROVEMENT PLANS - 100% PS&E SUBMITTAL (10/16/2023)



TYPICAL CROSS SECTION
NOT TO SCALE

* LIMITS OF CLASS 1 FINISH, MOJAVE BEIGE COLORED CONCRETE STAINING, AND ANTI-GRAFFITI COATING.
** SEE ELEVATION VIEW FOR BOTTOM OF OVEREXCAVATION ELEVATIONS.

/// DENOTES LIMITS OF OVEREXCAVATION AND ADDITIONAL STRUCTURE BACKFILL.



PLAN
SCALE: 1"=10'

CURVE DATA

A	B
R = 3499.87'	R = 3563.87'
L = 668.75'	L = 102.06'
T = 335.40'	T = 51.02'
Δ = 01°56'53"	Δ = 01°38'27"

DIGALERT
811
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DE DOKKEN ENGINEERING
1450 PRAIRIE ROAD
SUITE 100
SAN DIEGO, CA 92106
(619) 514-8377

REGISTERED PROFESSIONAL ENGINEER
CHARLES TORNACI
No. C66058
Exp. 6/30/24
CIVIL
STATE OF CALIFORNIA

DATE	INITIAL	REVISION DESCRIPTION	DATE	INITIAL	DATE	INITIAL

"AS BUILT"

P.E. _____ EXP. _____ DATE _____

REVIEWED BY: _____

INSPECTOR _____ DATE _____

SHEET 28 CITY OF CARLSBAD TRANSPORTATION DEPARTMENT SHEETS 43

RETAINING WALL No. 413 PLANS FOR:
EL CAMINO REAL ROADWAY IMPROVEMENTS
FROM SUNNY CREEK Rd TO JACKSPAR Dr

APPROVED: _____ HOSSEIN AJUDEH

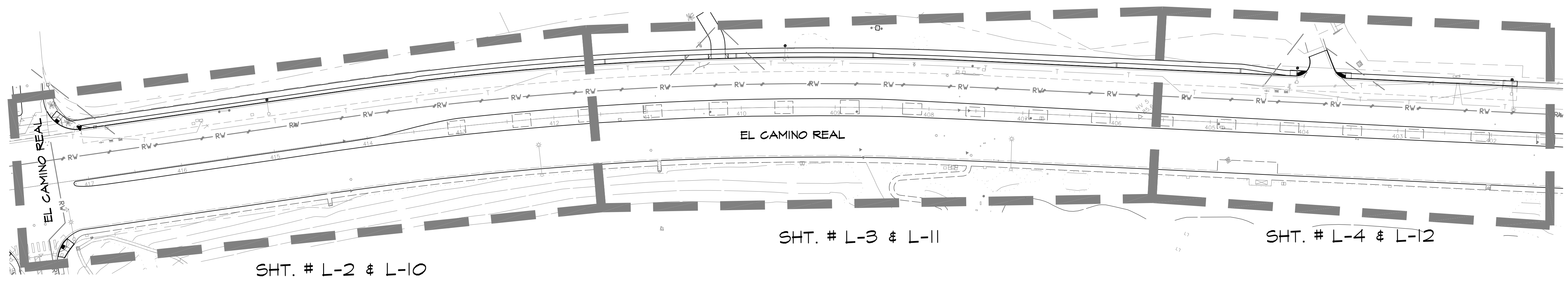
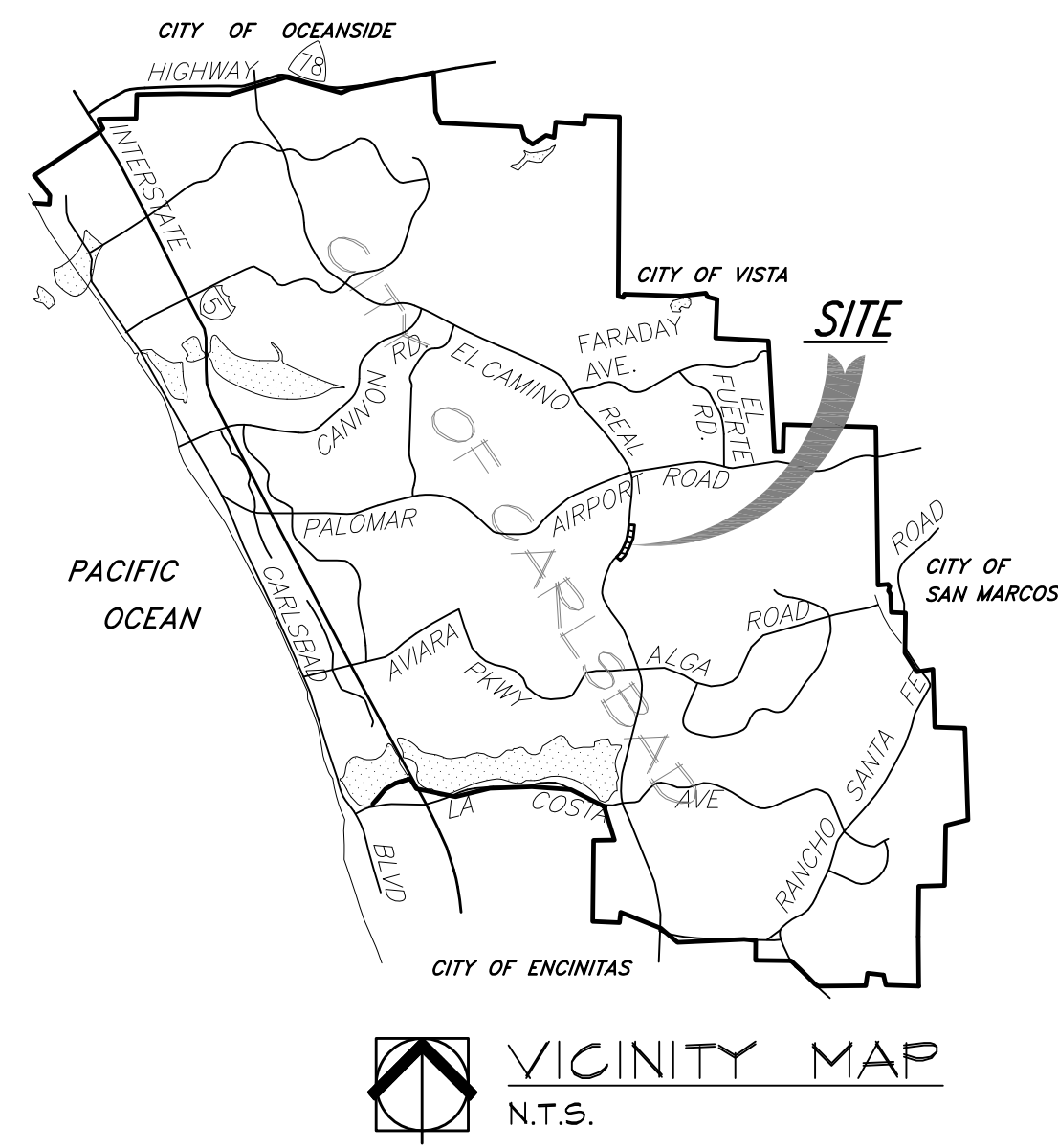
ENGINEERING MANAGER RCE 75991 EXPIRES 6/30/24 DATE _____

DWN BY: MD PROJECT NO. 6094 DRAWING NO. DWG 529-1
CHKD BY: CT
RVWD BY: MT

EL CAMINO REAL ROADWAY IMPROVEMENT PLANS

(FROM SUNNY CREEK TO JACKSPAR DRIVE)

SHEET #	DESCRIPTION	ALIAS #
30	TITLE SHEET	L-1
31-33	IRRIGATION PLANS	L-2 - L-4
34-36	IRRIGATION LEGEND, NOTES & DETAILS	L-5 - L-7
37	WATER USE MAP	L-8
38	HYDROZONE DIAGRAM & CALCS	L-9
39-41	PLANTING PLANS	L-10 - L-12
42-43	PLANTING LEGEND, NOTES & DETAILS	L-13 & L-14



INSPECTION PROCEDURES:

INSPECTION OF THE PROJECT SHALL BE PERFORMED BY THE LANDSCAPE ARCHITECT OF THE WORK, OR HIS DESIGNATED AGENT. REFER TO THE SPECIFICATIONS FOR THE SCHEDULE OF REQUIRED INSPECTIONS AND REQUIRED SUBMITTALS. FOLLOWING COMPLETION OF THE WORK, THE LANDSCAPE ARCHITECT OF THE WORK WILL CERTIFY THAT THE INSTALLATION HAS BEEN COMPLETED BY SUBMITTING THE "FINAL LANDSCAPE CERTIFICATION FORM". A REQUEST FOR A FINAL LANDSCAPE INSPECTION BY THE CITY MUST ALSO BE MADE BY CALLING THE INSPECTION REQUEST LINE.

"FINAL LANDSCAPE CERTIFICATION FORM" EMAIL TO : BP@DUSMOREDESIGNSTUDIO.COM
LANDSCAPE INSPECTION REQUEST PHONE LINE: 760-602-4602

OMISSIONS STATEMENT

- A. THERE IS NO WATER WELLS ON SITE
- B. THERE ARE NO POTABLE FEEDS TO BUILDINGS, NO THRESHOLD VALVES, NO POTABLE WATER MAIN OR LATERALS.
- C. THERE ARE NO OUTDOOR EATING AREAS OR DRINKING FOUNTAINS IN THE SCOPE OF THESE PLANS.

WATER EFFICIENT LANDSCAPE DECLARATION:

I AM FAMILIAR WITH THE REQUIREMENTS FOR LANDSCAPE AND IRRIGATION PLANS CONTAINED IN THE CITY OF CARLSBAD'S LANDSCAPE MANUAL & WATER EFFICIENT LANDSCAPE REGULATIONS. I HAVE PREPARED THIS PLAN IN COMPLIANCE WITH THOSE REGULATIONS AND THE LANDSCAPE MANUAL. I CERTIFY THAT THE PLAN IMPLEMENTS THOSE REGULATIONS TO PROVIDE EFFICIENT USE OF WATER.

BY: ANTHONY LAWSON PREPARER DATE: 4-19-2023
PHONE NO: (760) 724-8637
REGISTRATION NO: 2348 EXPIRATION DATE: 3-31-25

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE LANDSCAPE ARCHITECT OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF CARLSBAD AND THE SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS LANDSCAPE ARCHITECT OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN. THESE PLANS HAVE BEEN PREPARED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED LANDSCAPE CONCEPT PLAN, WATER CONSERVATION PLAN, FIRE SUPPRESSION PLAN, AND ALL CONDITIONS OF APPROVAL RELATED TO LANDSCAPING.

ADL PLANNING ASSOCIATES INC. FIRM
2474 STATE STREET, SUITE C
CARLSBAD, CA 92008
ADDRESS
(760) 724-8637
PHONE

ANTHONY D. LAWSON
LANDSCAPE ARCHITECT
2348
LICENSE NO.
[Signature]
SIGNATURE
4-19-2023
DATE

REVISIONS MUST BE APPROVED BY PUBLIC HEALTH ENGINEER, PLANNING DIRECTOR & DISTRICT ENGINEER PRIOR TO IMPLEMENTATION IN FIELD.

BACKFLOW PREVENTER TESTING

ALL IRRIGATION BACK FLOW PREVENTERS SHALL BE TESTED BY A CERTIFIED TESTER AND RESULTS MUST BE GIVEN TO THE CITY AND WATER DISTRICT. CALL (760)438-2722 TO OBTAIN APPROVED CONTRACT BACKFLOW TESTERS. PIPE BETWEEN THE METER AND THE BACKFLOW PREVENTER SHALL BE "SCHEDULE K HARD COPPER."

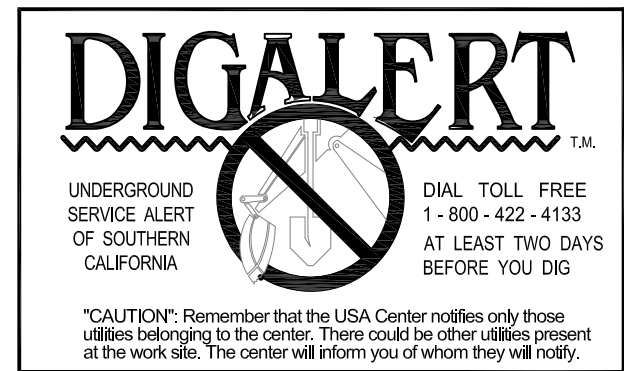
PRIOR TO BEGINNING WORK NOTE:

DUE TO RELOCATION OF UTILITIES AFTER PLAN APPROVAL, CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING LANDSCAPE WORK SO THAT THE LANDSCAPE ARCHITECT CAN REVIEW THE PROJECT UTILITY LOCATIONS AND REVISE PLANS ACCORDINGLY TO FULLY SCREEN ALL UTILITIES FROM VIEW.

MAINTENANCE RESPONSIBILITY NOTE:

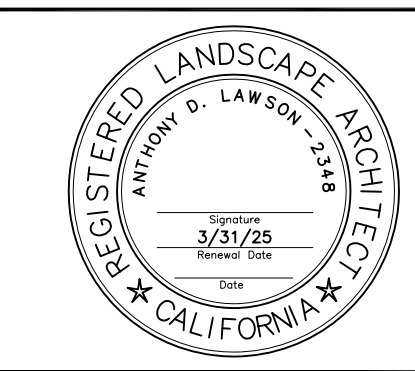
CITY OF CARLSBAD IS TO BE RESPONSIBLE FOR MAINTAINING ALL LANDSCAPE WITHIN THE PROJECT SITE.

COUNTY OF SAN DIEGO DEPARTMENT OF ENVIRONMENTAL HEALTH LAND AND WATER QUALITY DIVISION	
ENVIRONMENTAL HEALTH SPECIALIST	DATE
CARLSBAD MUNICIPAL WATER DISTRICT	
DISTRICT ENGINEER	DATE
"AS BUILT"	
P.E. _____	EXP. _____ DATE
REVIEWED BY:	DATE
INSPECTOR _____	DATE



ADL PLANNING ASSOCIATES
LANDSCAPE ARCHITECTURE
2474 STATE STREET SUITE "C"
CARLSBAD, CA 92008
(760) 729-8637 FAX: (760) 729-8324

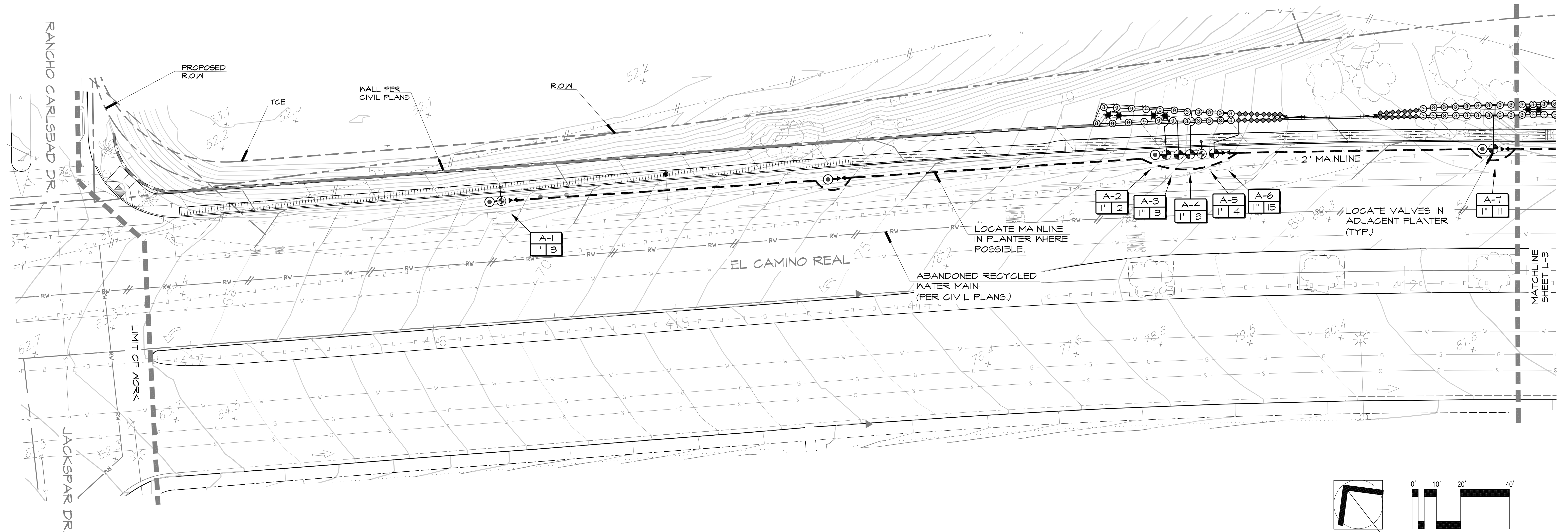
DATE: _____ NO SCALE
SCALE: _____
DRAWN BY: _____



DATE	INITIAL	REVISION DESCRIPTION	DATE	INITIAL	DATE	INITIAL

SHEET 30	CITY OF CARLSBAD PLANNING DIVISION	SHEETS 43
LANDSCAPE IMPROVEMENT PLANS FOR: EL CAMINO REAL ROADWAY IMPROVEMENTS FROM SUNNY CREEK Rd TO JACKSPAR Dr		
APPROVED:	HOSSEIN AJIDEH	
ENGINEERING MANAGER	RCE 75991	EXPIRES 6/30/24 DATE
DWN BY:	PROJECT NO.	DRAWING NO.
CHKD BY:	6094	DWG 529-1
RVWD BY:		

EL CAMINO REAL ROADWAY IMPROVEMENT PLANS - 100% PS&E SUBMITTAL (4/19/2023)



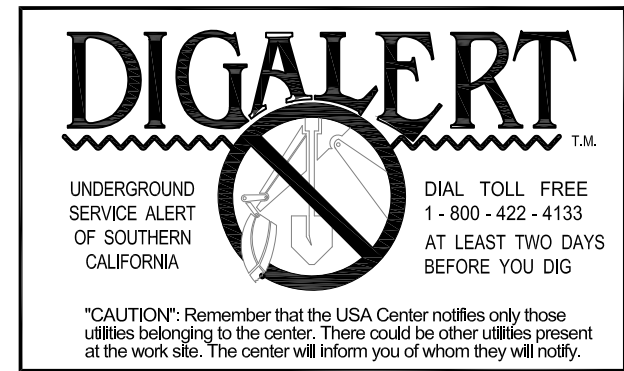
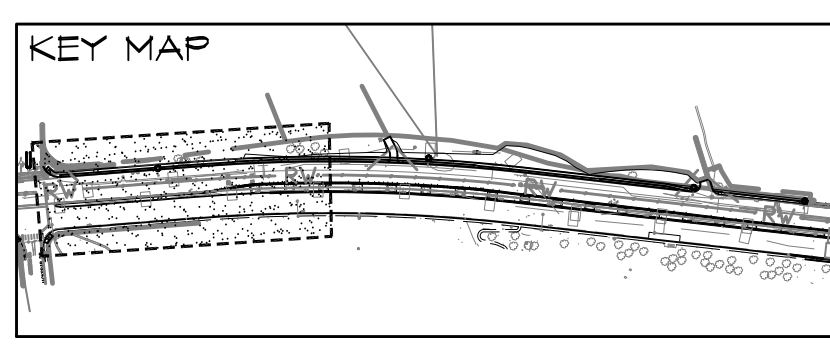
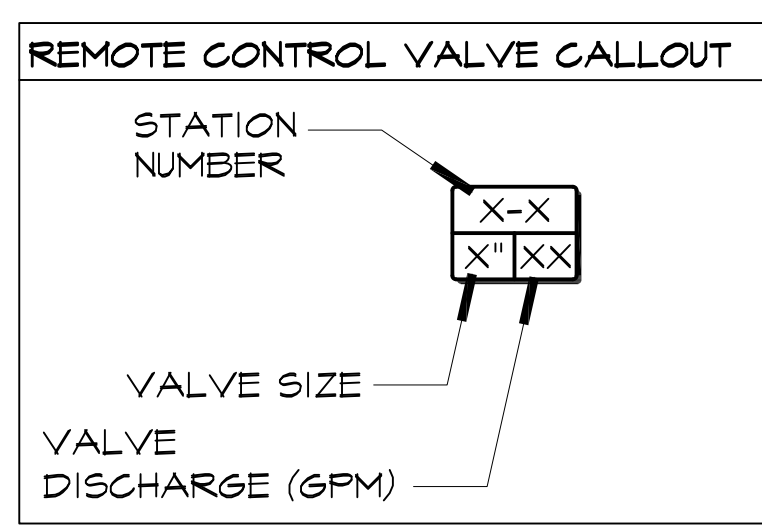
TEMPORARY IRRIGATION NOTES:

1. ALL IRRIGATION OUTSIDE OF THE RIGHT OF WAY WITHIN T.C.E. IS TO BE TEMPORARY SHALL BE INSTALLED ON-GRADE UTILIZING "BROWNLINER" UV PVC, SCHEDULE 40.
2. SECURE ALL ON-GRADE PIPE WITH TIE-DOWN PINS AT A MINIMUM OF 8' SPACING AND AT ALL ANGLE POINTS.
3. ALL IRRIGATION OUTSIDE OF THE RIGHT OF WAY IS TO BE REMOVED BY CONTRACTOR WHEN PLANTING HAS BEEN DEEMED ESTABLISHED AND NO LONGER NEEDING IRRIGATED BY A CITY REPRESENTATIVE 12 MONTHS AFTER ESTABLISHMENT.

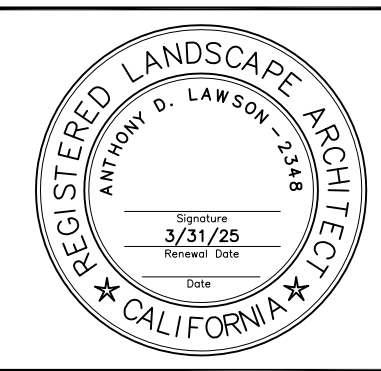
NOTES:

1. PLANS ARE DIAGRAMMATIC AND APPROXIMATE. ALL PIPING, VALVE BOXES, BACKFLOW PREVENTERS, ETC. SHALL BE LOCATED IN LANDSCAPE AREAS. NO IRRIGATION EQUIPMENT SHALL BE LOCATED IN OR UNDER THE HARDSCAPE UNLESS WITHIN A SLEEVE. GROUP VALVE BOXES AND LOCATE IN SHRUB AREAS WHENEVER POSSIBLE.
2. ALL END-RUNS SHALL BE 3/4" PVC SCH 40 PIPE UNLESS STATED OTHERWISE.
3. CONTRACTOR TO COORDINATE PRECISE IRRIGATION CONTROLLER LOCATION WITH LANDSCAPE ARCHITECT, CITY ENGINEER OR HIS REPRESENTATIVE.
4. CONTRACTOR TO VERIFY DEPTH & LOCATION OF EXISTING WATER, SEWER & ANY OTHER UTILITY LINES THAT MAY BE ON SITE PRIOR TO TRENCHING OR INSTALLING IRRIGATION.
5. CONTRACTOR TO OBTAIN FIELD VERIFICATION FROM PROJECT ENGINEER, FOR VALVE BOXES LOCATION.
6. CONTRACTOR TO OBTAIN FIELD VERIFICATION FROM PROJECT ENGINEER, OF ALL TREE LOCATIONS, PRIOR TO INSTALLATION OF BUBBLERS.
7. ALL IRRIGATION VALVES "A" ARE TO BE CONNECTED TO IRRIGATION CONTROLLER "A".
8. ANTI-DRAIN VALVES SHALL BE INSTALLED AS REQUIRED TO PREVENT ALL LOW HEAD DRAINAGE.

SEE SHEETS L-2 - L-4 FOR IRRIGATION PLANS
 SEE SHEET L-5 FOR IRRIGATION LEGENDS & NOTES
 SEE SHEET L-6 & L-7 FOR IRRIGATION DETAILS



ADL PLANNING ASSOCIATES
 LAND PLANNING LANDSCAPE ARCHITECTURE
 2979 STATE STREET SUITE "C"
 CARLSBAD, CA 92008 (760) 729-8637 FAX: (760) 729-8324



DATE	INITIAL	REVISION DESCRIPTION	DATE	INITIAL	DATE	INITIAL

"AS BUILT"

P.E. _____ EXP. _____ DATE _____

REVIEWED BY: _____ DATE _____

INSPECTOR _____ DATE _____

L-2

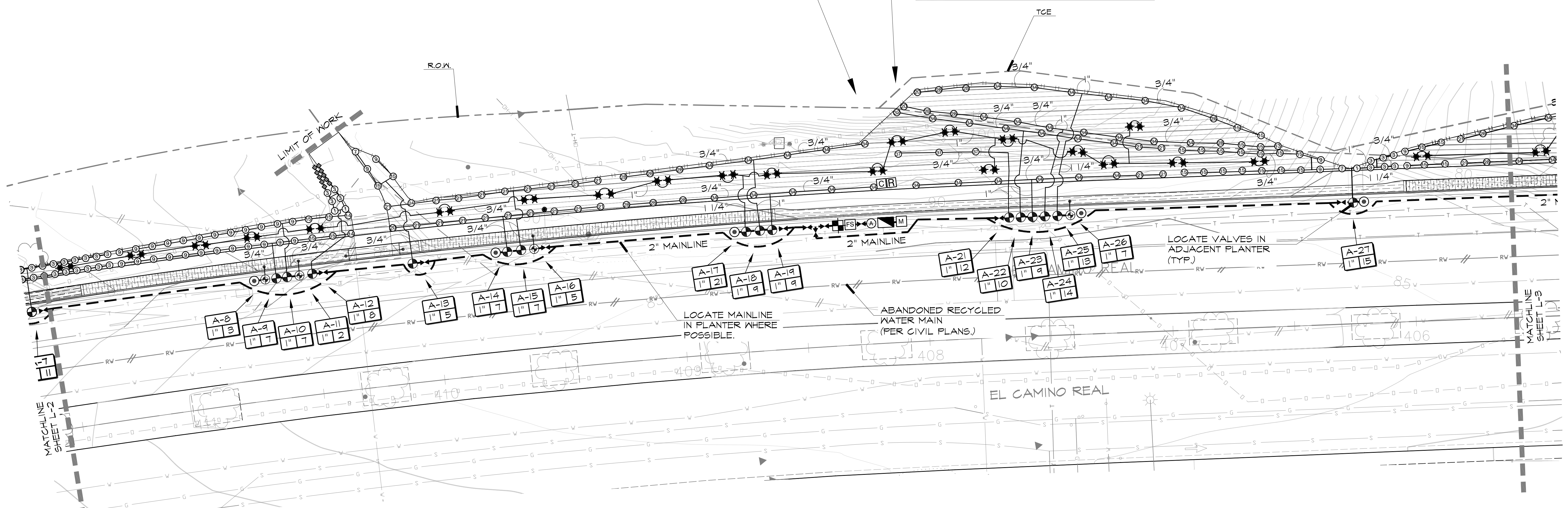
SHEET 31	CITY OF CARLSBAD PLANNING DIVISION	SHEETS 43
LANDSCAPE IMPROVEMENT PLANS FOR: EL CAMINO REAL ROADWAY IMPROVEMENTS FROM SUNNY CREEK Rd TO JACKSPAR Dr		
APPROVED: _____ HOSSEIN AJIDEH		
ENGINEERING MANAGER	RCE 75991	EXPIRES 6/30/24
DWN BY: _____	PROJECT NO. 6094	DRAWING NO. DWG 529-1
CHKD BY: _____		
RVWD BY: _____		

CONTROLLER "A" (48 STATIONS) CALSENSE CS3 SERIES W/ CALSENSE BB-1 RAIN BUCKET. LOCATE IN PLANTER AREA IN A STAINLESS STEEL ENCLOSURE COORDINATE WITH GENERAL CONTRACTOR FOR 120V ELECTRIC AND COMMUNICATION SERVICE

POINT OF CONNECTION "A":
 NEW POTABLE WATER METER LOCATION:
 ELEVATION AT WATER METER: +/- 85.5'
 METER SIZE: 1/2"
 STREET STATION NUMBER: 408+10.0
 REQUIRED STATIC WATER PRESSURE: +/- 95 PSI
 - 2" BACK FLOW PREVENTOR
 - 2" PRESSURE REGULATOR
 - 2" MASTER VALVE
 - 1/2" FLOW METER WITH SHUT OFF DEVICE
 - MAX GPM DEMAND: 29 GPM
 - CARLSBAD MUNICIPAL WATER DISTRICT (760) 438-2722

POINT OF CONNECTION "A" NOTES:

- CONFIRM PRECISE LOCATION OF IRRIGATION METER WITH CIVIL IMPROVEMENT PLANS.
- LANDSCAPE CONTRACTOR TO COORDINATE WITH THE PROJECT ENGINEER AND GENERAL CONTRACTOR FOR THE INSTALLATION OF IRRIGATION WATER METER BY CMAD (760) 438-2722.
- CONTRACTOR TO INSTALL DOWNSTREAM OF METER
 - 2" BACKFLOW PREVENTOR
 - 2" PRESSURE REGULATOR: CONTRACTOR TO SET TO 95 PSI
 - 2" MASTER VALVE
 - 1/2" FLOW METER WITH SHUT OFF DEVICE
 - AVAILABLE PSI: 100 (CONTRACTOR TO VERIFY AVAILABLE PSI)



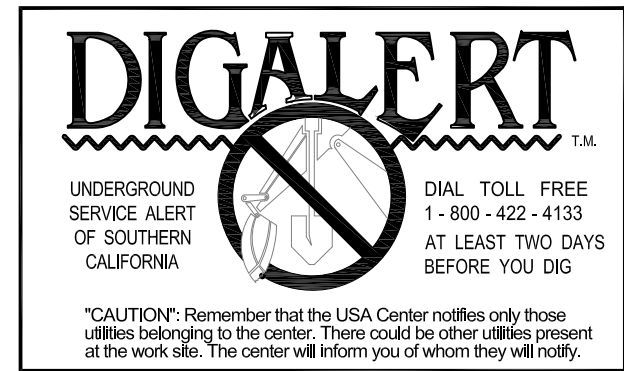
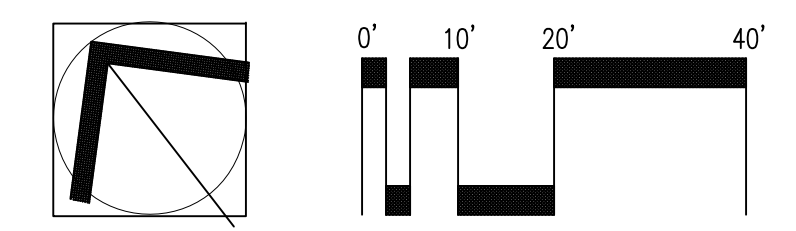
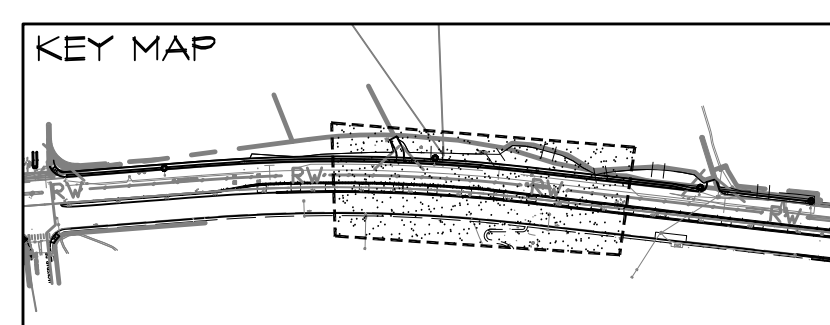
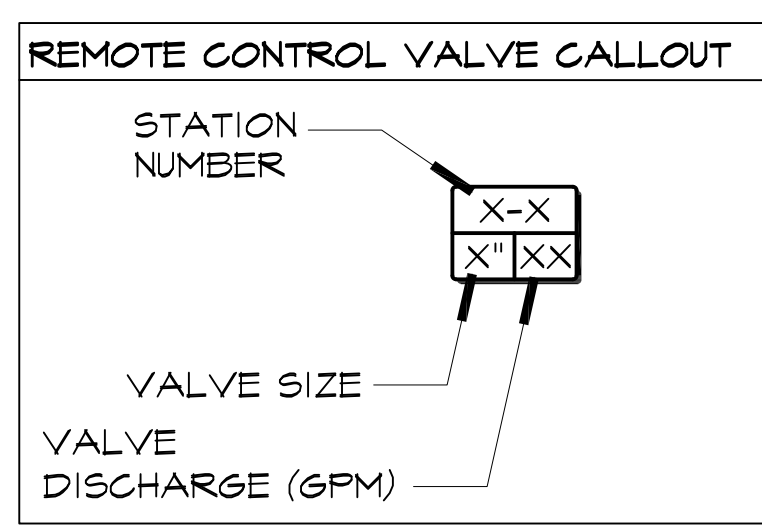
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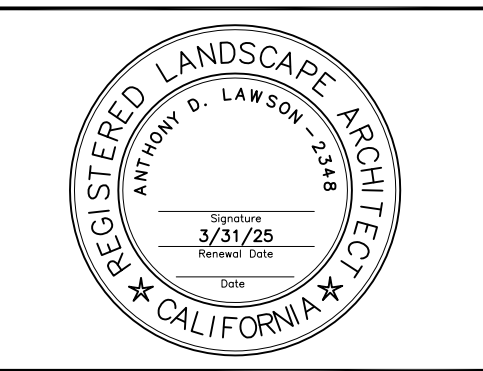
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SEE SHEETS L-2 - L-4 FOR IRRIGATION PLANS
 SEE SHEET L-5 FOR IRRIGATION LEGENDS & NOTES
 SEE SHEET L-6 & L-7 FOR IRRIGATION DETAILS



ADL PLANNING ASSOCIATES
 LAND PLANNING LANDSCAPE ARCHITECTURE
 2979 STATE STREET SUITE "C"
 CARLSBAD, CA 92008 (760) 729-8637 FAX: (760) 729-8324



DATE	INITIAL	REVISION DESCRIPTION	DATE	INITIAL	DATE	INITIAL

"AS BUILT"

P.E. _____ EXP. _____ DATE _____

REVIEWED BY: _____

INSPECTOR _____ DATE _____

L-3

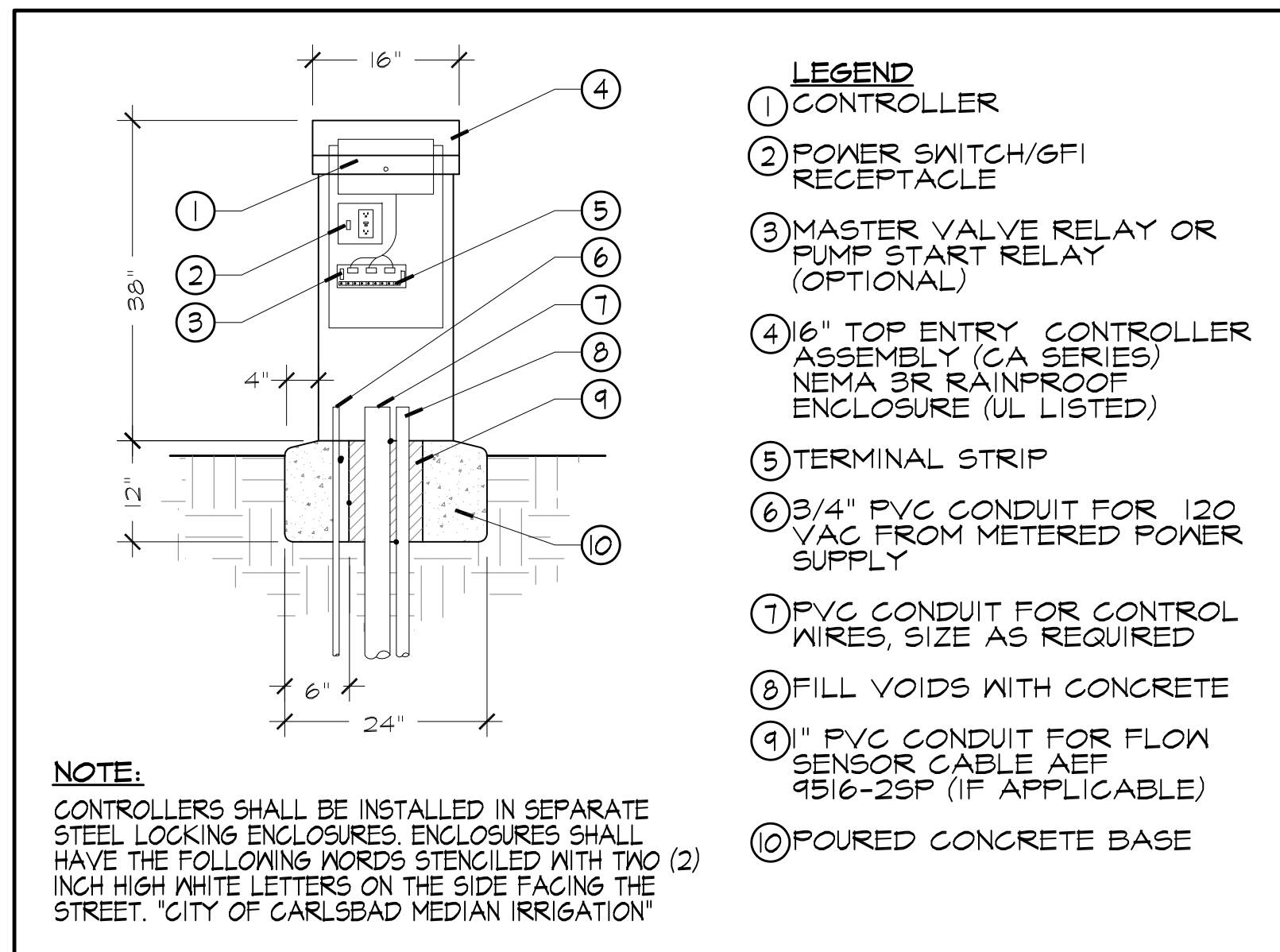
SHEET 32	CITY OF CARLSBAD PLANNING DIVISION	SHEETS 43
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LANDSCAPE IMPROVEMENT PLANS FOR:
EL CAMINO REAL ROADWAY IMPROVEMENTS
 FROM SUNNY CREEK Rd TO JACKSPAR Dr

APPROVED: _____
 HOSSEIN AJIDEH

ENGINEERING MANAGER RCE 75991 EXPIRES 6/30/24 DATE _____

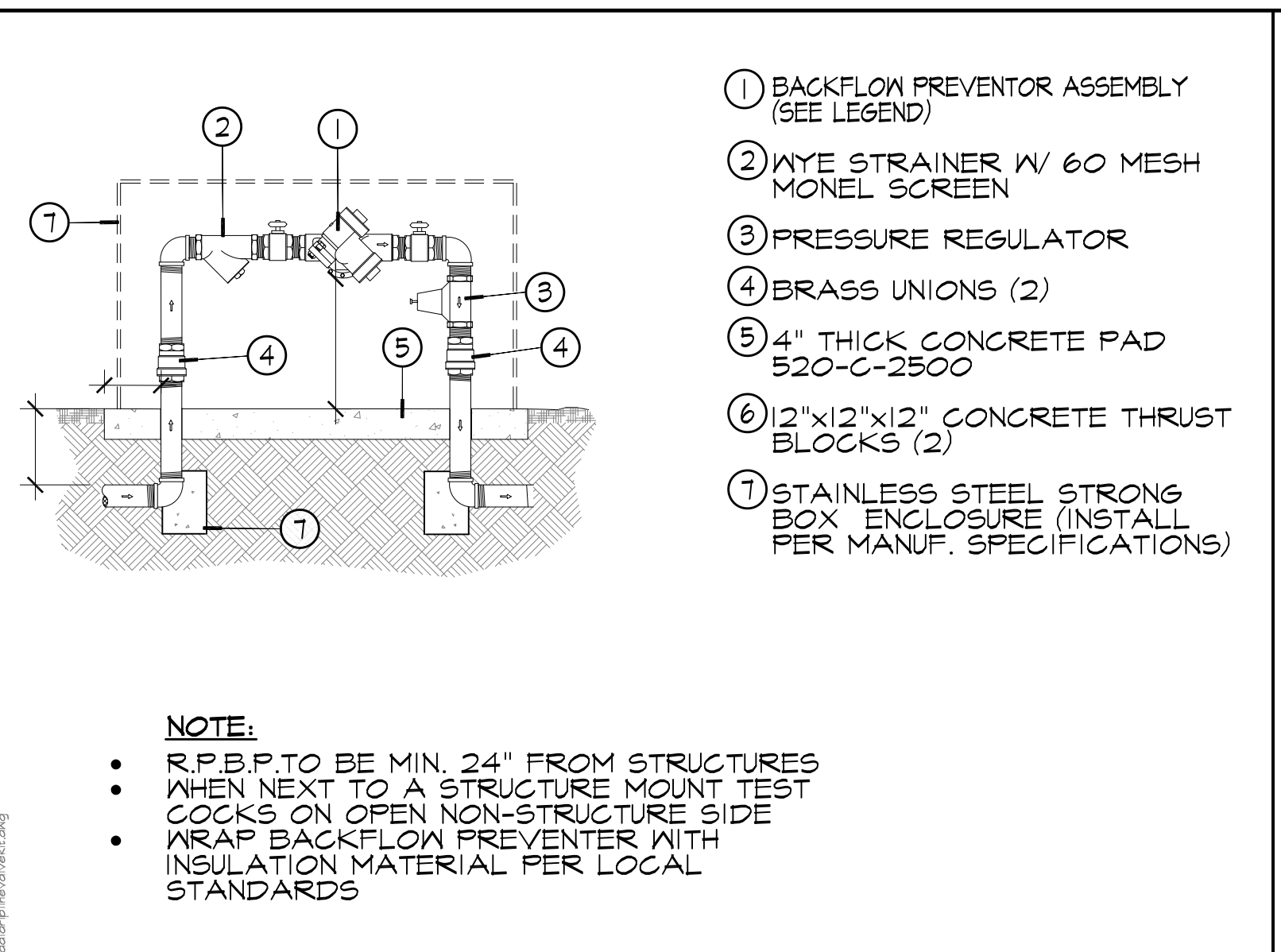
DWN BY: _____	PROJECT NO. 6094	EXP. DATE 6/30/24
CHKD BY: _____	DWG NO. 529-1	
RVWD BY: _____		



- LEGEND**
- ① CONTROLLER
 - ② POWER SWITCH/GFI RECEPTACLE
 - ③ MASTER VALVE RELAY OR PUMP START RELAY (OPTIONAL)
 - ④ 16" TOP ENTRY CONTROLLER ASSEMBLY (CA SERIES) NEMA 3R RAINPROOF ENCLOSURE (UL LISTED)
 - ⑤ TERMINAL STRIP
 - ⑥ 3/4" PVC CONDUIT FOR 120 VAC FROM METERED POWER SUPPLY
 - ⑦ PVC CONDUIT FOR CONTROL WIRES, SIZE AS REQUIRED
 - ⑧ FILL VOIDS WITH CONCRETE
 - ⑨ 1" PVC CONDUIT FOR FLOW SENSOR CABLE AEF 9516-2SP (IF APPLICABLE)
 - ⑩ POURED CONCRETE BASE

NOTE:
CONTROLLERS SHALL BE INSTALLED IN SEPARATE STEEL LOCKING ENCLOSURES. ENCLOSURES SHALL HAVE THE FOLLOWING WORDS STENCILED WITH TWO (2) INCH HIGH WHITE LETTERS ON THE SIDE FACING THE STREET. "CITY OF CARLSBAD MEDIAN IRRIGATION"

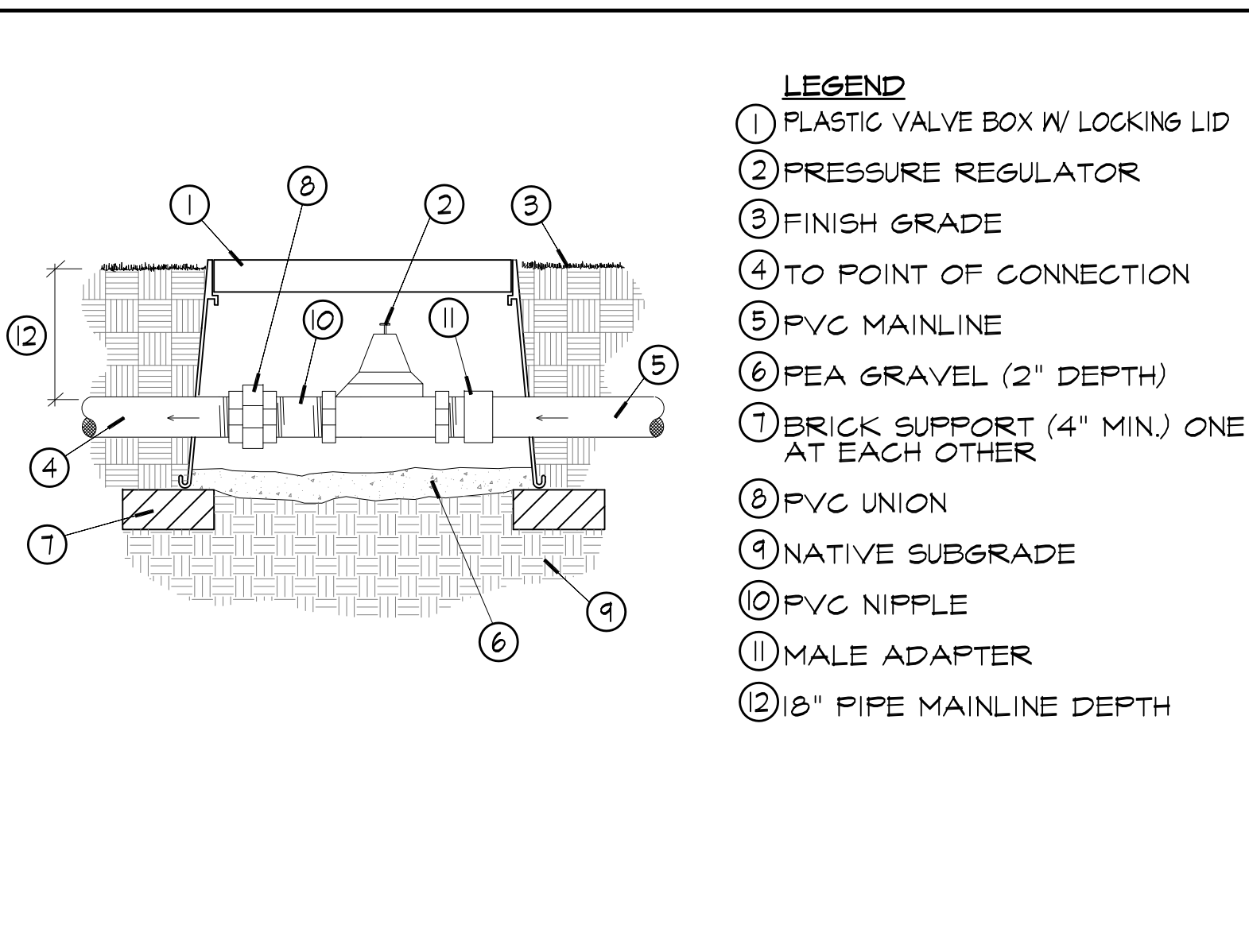
A CONTROLLER SCALE: N.T.S.



- LEGEND**
- ① BACKFLOW PREVENTOR ASSEMBLY (SEE LEGEND)
 - ② WYE STRAINER W/ 60 MESH MONEL SCREEN
 - ③ PRESSURE REGULATOR
 - ④ BRASS UNIONS (2)
 - ⑤ 4" THICK CONCRETE PAD 520-C-2500
 - ⑥ 12"x12"x12" CONCRETE THRUST BLOCKS (2)
 - ⑦ STAINLESS STEEL STRONG BOX ENCLOSURE (INSTALL PER MANUF. SPECIFICATIONS)

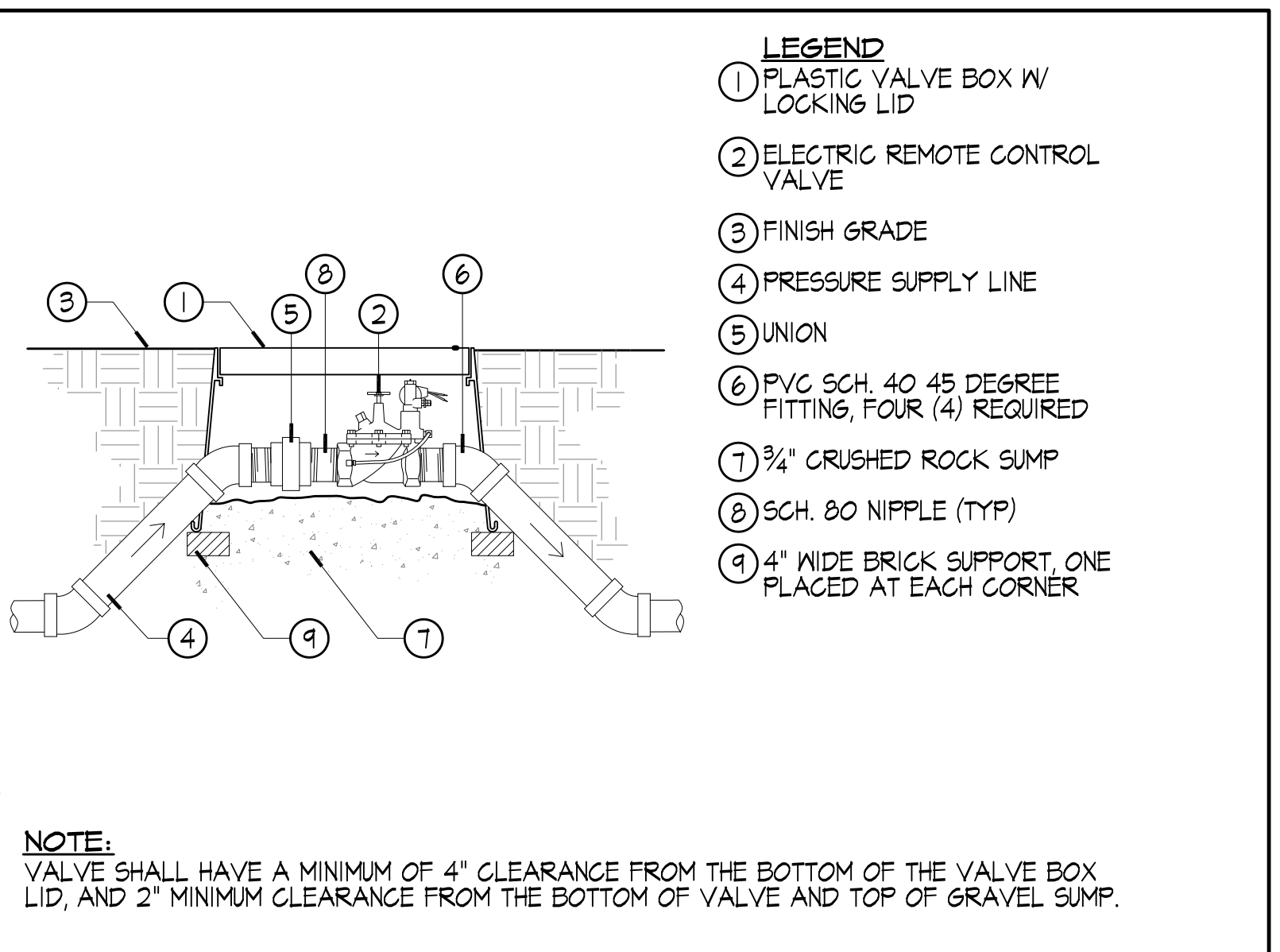
NOTE:
• R.P.B.P. TO BE MIN. 24" FROM STRUCTURES
• WHEN NEXT TO A STRUCTURE MOUNT TEST COCKS ON OPEN NON-STRUCTURE SIDE
• WRAP BACKFLOW PREVENTER WITH INSULATION MATERIAL PER LOCAL STANDARDS

B BACK FLOW PREVENTOR N.T.S.



- LEGEND**
- ① PLASTIC VALVE BOX W/ LOCKING LID
 - ② PRESSURE REGULATOR
 - ③ FINISH GRADE
 - ④ TO POINT OF CONNECTION
 - ⑤ PVC MAINLINE
 - ⑥ PEA GRAVEL (2" DEPTH)
 - ⑦ BRICK SUPPORT (4" MIN.) ONE AT EACH OTHER
 - ⑧ PVC UNION
 - ⑨ NATIVE SUBGRADE
 - ⑩ PVC NIPPLE
 - ⑪ MALE ADAPTER
 - ⑫ 8" PIPE MAINLINE DEPTH

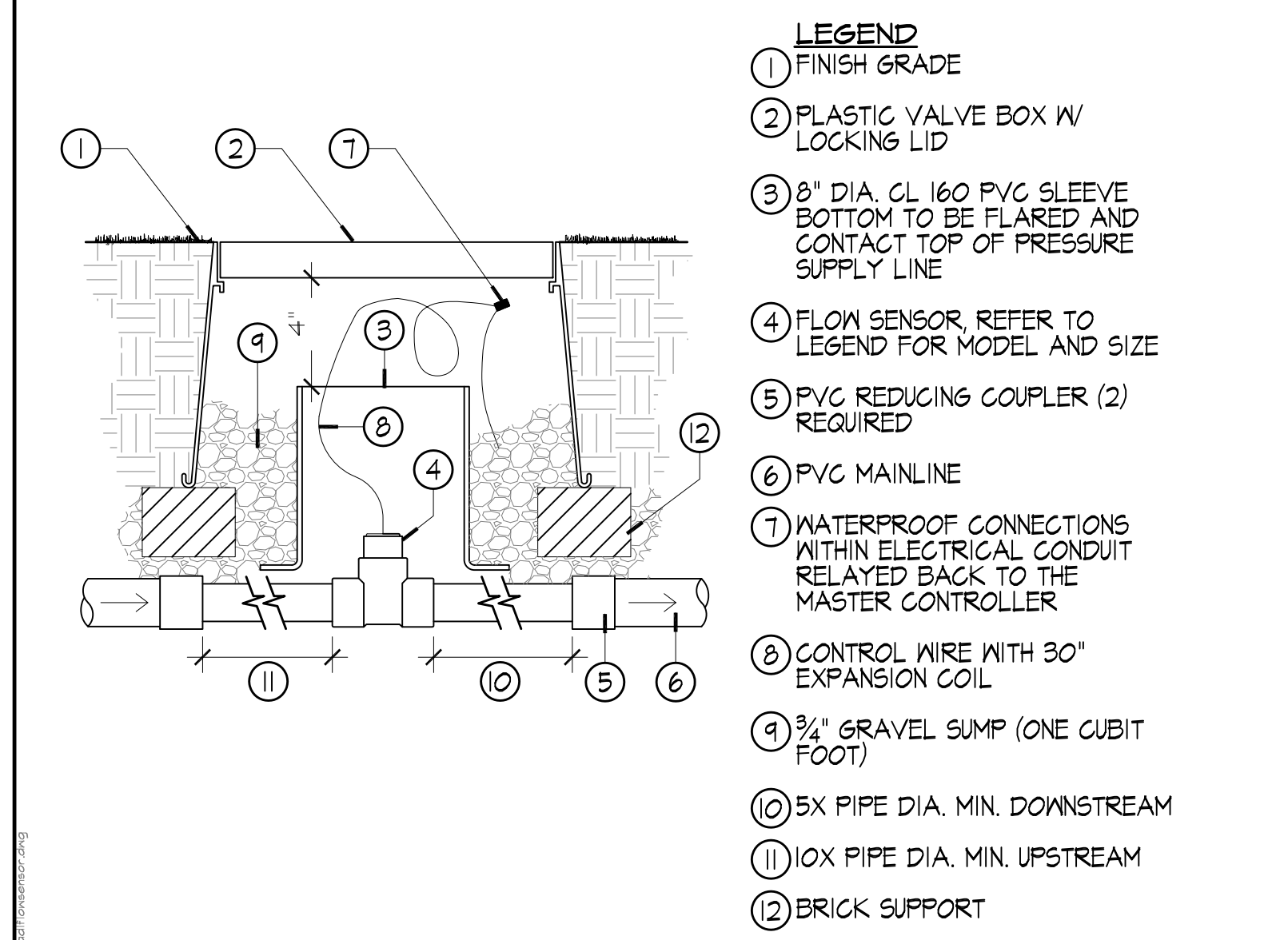
C PRESSURE REGULATOR SCALE: N.T.S.



- LEGEND**
- ① PLASTIC VALVE BOX W/ LOCKING LID
 - ② ELECTRIC REMOTE CONTROL VALVE
 - ③ FINISH GRADE
 - ④ PRESSURE SUPPLY LINE
 - ⑤ UNION
 - ⑥ PVC SCH. 40 45 DEGREE FITTING, FOUR (4) REQUIRED
 - ⑦ 3/4" CRUSHED ROCK SUMP
 - ⑧ SCH. 80 NIPPLE (TYP)
 - ⑨ 4" WIDE BRICK SUPPORT, ONE PLACED AT EACH CORNER

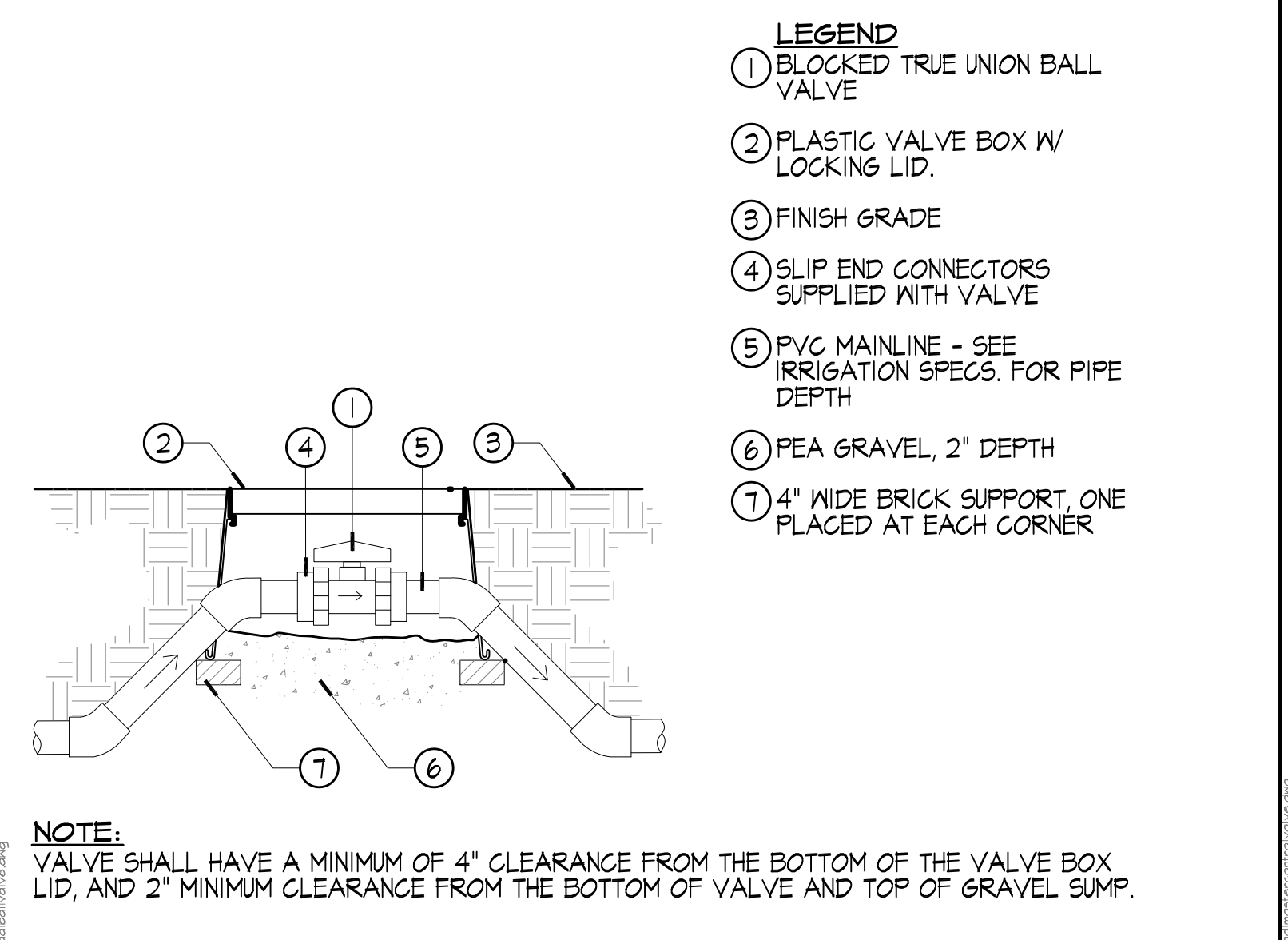
NOTE:
VALVE SHALL HAVE A MINIMUM OF 4" CLEARANCE FROM THE BOTTOM OF THE VALVE BOX LID, AND 2" MINIMUM CLEARANCE FROM THE BOTTOM OF VALVE AND TOP OF GRAVEL SUMP.

D MASTER CONTROL VALVE SCALE: N.T.S.



- LEGEND**
- ① FINISH GRADE
 - ② PLASTIC VALVE BOX W/ LOCKING LID
 - ③ 8" DIA. CL 160 PVC SLEEVE BOTTOM TO BE FLARED AND CONTACT TOP OF PRESSURE SUPPLY LINE
 - ④ FLOW SENSOR REFER TO LEGEND FOR MODEL AND SIZE
 - ⑤ PVC REDUCING COUPLER (2) REQUIRED
 - ⑥ PVC MAINLINE
 - ⑦ WATERPROOF CONNECTIONS WITHIN ELECTRICAL CONDUIT RELAYED BACK TO THE MASTER CONTROLLER
 - ⑧ CONTROL WIRE WITH 30" EXPANSION COIL
 - ⑨ 3/4" GRAVEL SUMP (ONE CUBIT FOOT)
 - ⑩ 5X PIPE DIA. MIN. DOWNSTREAM
 - ⑪ 10X PIPE DIA. MIN. UPSTREAM
 - ⑫ BRICK SUPPORT

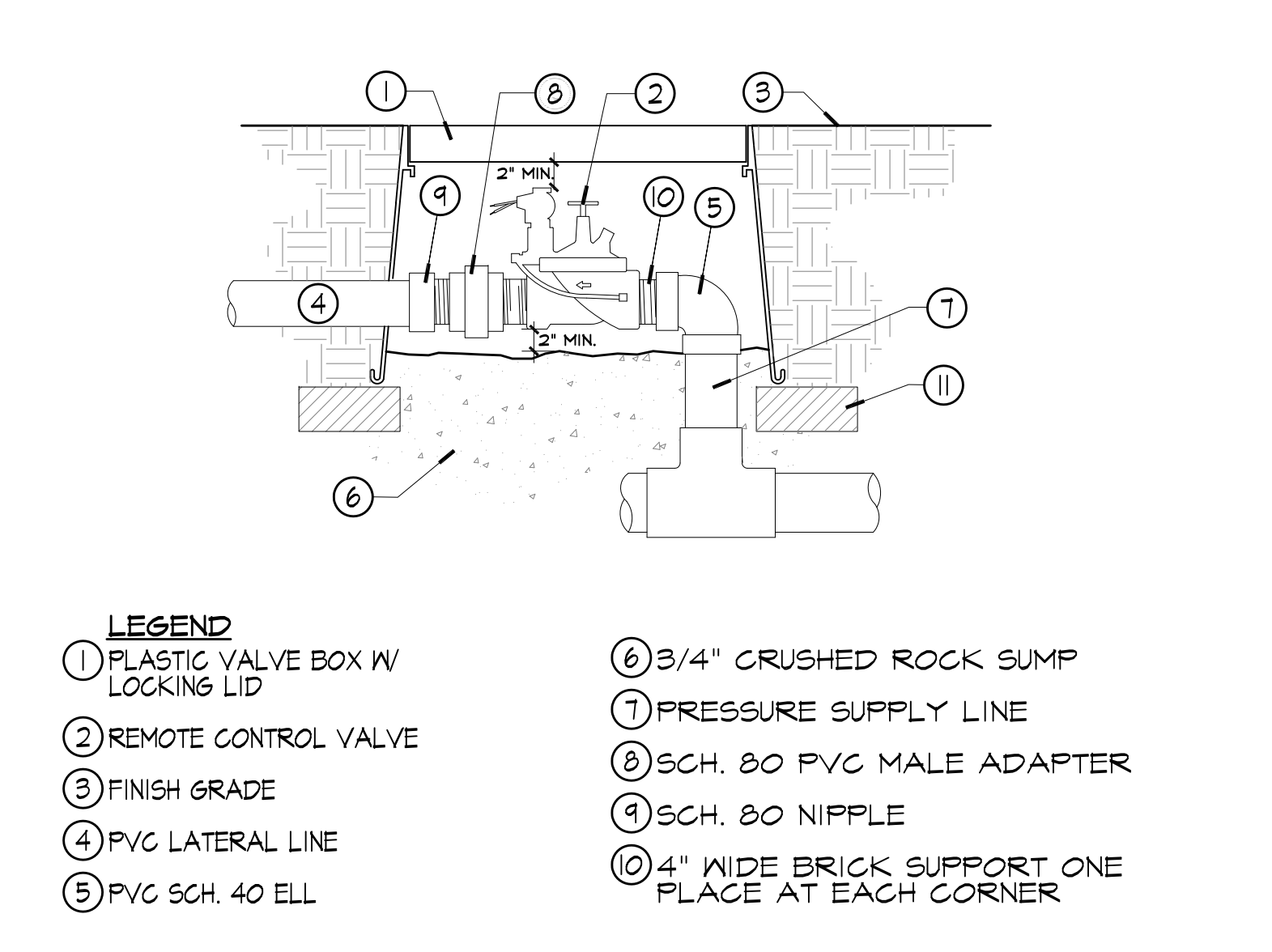
E FLOW SENSOR SCALE: N.T.S.



- LEGEND**
- ① BLOCKED TRUE UNION BALL VALVE
 - ② PLASTIC VALVE BOX W/ LOCKING LID
 - ③ FINISH GRADE
 - ④ SLIP END CONNECTORS SUPPLIED WITH VALVE
 - ⑤ PVC MAINLINE - SEE IRRIGATION SPECS. FOR PIPE DEPTH
 - ⑥ PEA GRAVEL, 2" DEPTH
 - ⑦ 4" WIDE BRICK SUPPORT, ONE PLACED AT EACH CORNER

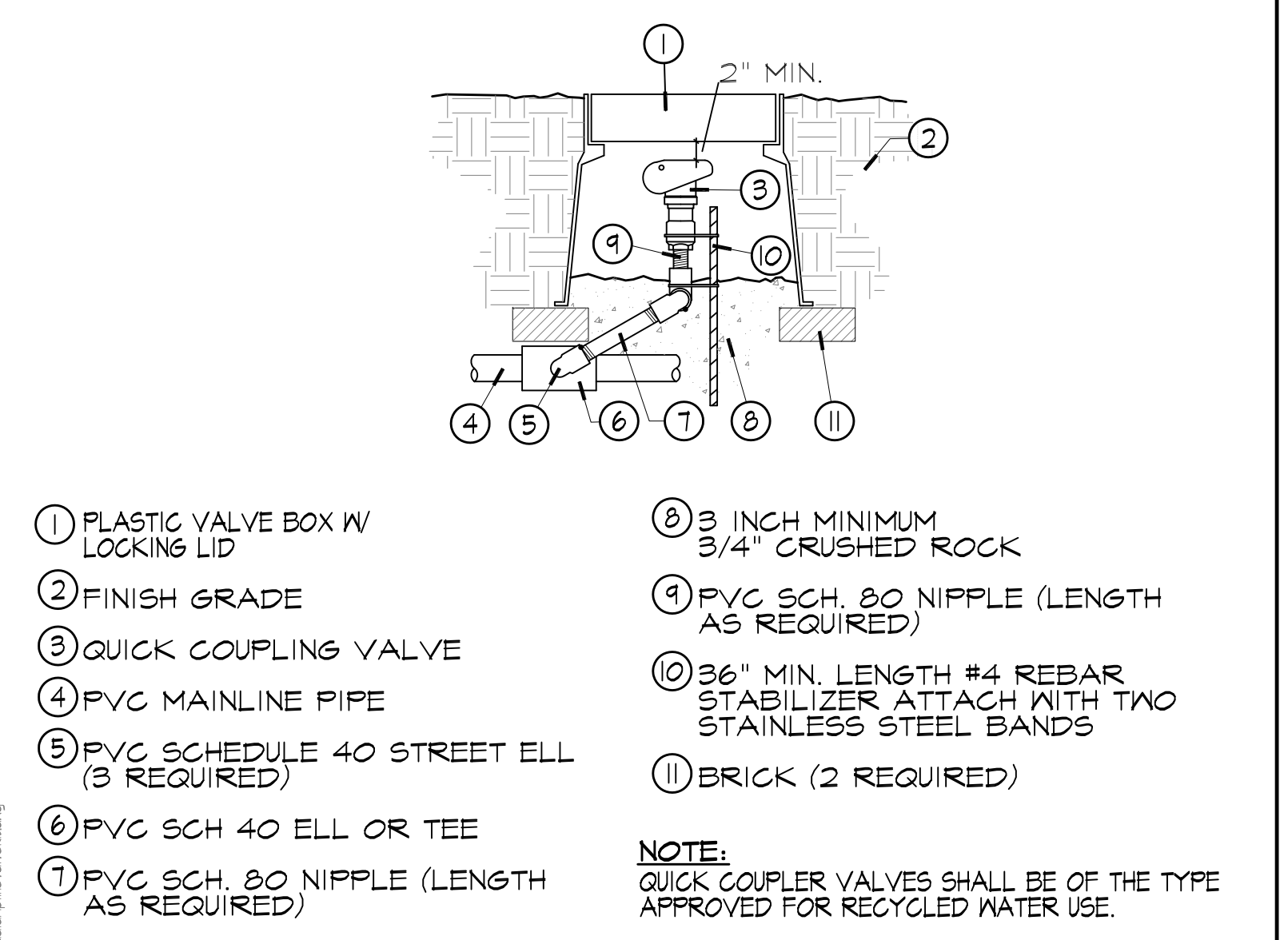
NOTE:
VALVE SHALL HAVE A MINIMUM OF 4" CLEARANCE FROM THE BOTTOM OF THE VALVE BOX LID, AND 2" MINIMUM CLEARANCE FROM THE BOTTOM OF VALVE AND TOP OF GRAVEL SUMP.

F BALL VALVE SCALE: N.T.S.



- LEGEND**
- ① PLASTIC VALVE BOX W/ LOCKING LID
 - ② REMOTE CONTROL VALVE
 - ③ FINISH GRADE
 - ④ PVC LATERAL LINE
 - ⑤ PVC SCH. 40 ELL
 - ⑥ 3/4" CRUSHED ROCK SUMP
 - ⑦ PRESSURE SUPPLY LINE
 - ⑧ SCH. 80 PVC MALE ADAPTER
 - ⑨ SCH. 80 NIPPLE
 - ⑩ 4" WIDE BRICK SUPPORT ONE PLACE AT EACH CORNER

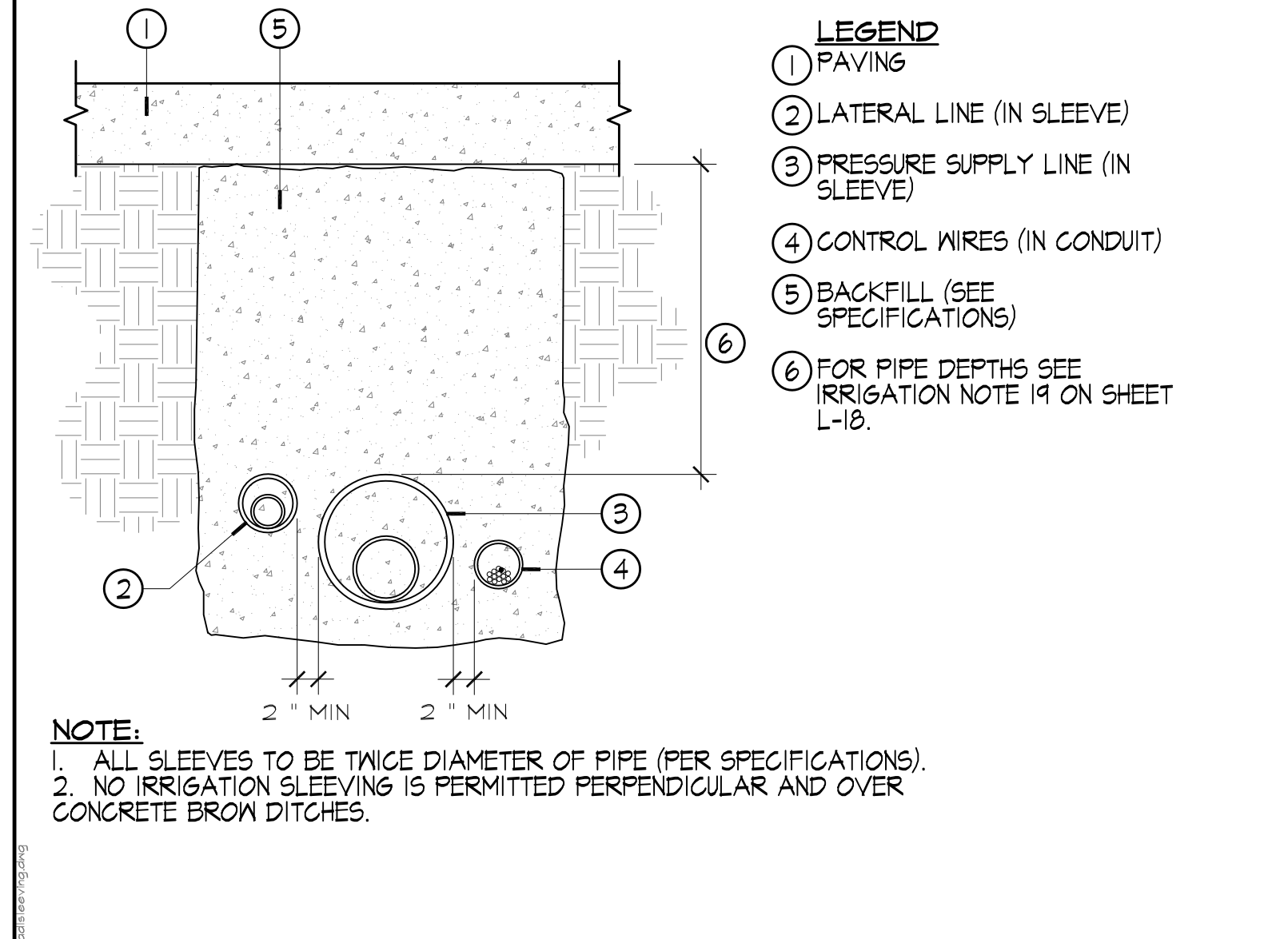
G REMOTE CONTROL VALVE SCALE: N.T.S.



- LEGEND**
- ① PLASTIC VALVE BOX W/ LOCKING LID
 - ② FINISH GRADE
 - ③ QUICK COUPLER VALVE
 - ④ PVC MAINLINE PIPE
 - ⑤ PVC SCHEDULE 40 STREET ELL (3 REQUIRED)
 - ⑥ PVC SCH 40 ELL OR TEE
 - ⑦ PVC SCH. 80 NIPPLE (LENGTH AS REQUIRED)
 - ⑧ 3 INCH MINIMUM 3/4" CRUSHED ROCK
 - ⑨ PVC SCH. 80 NIPPLE (LENGTH AS REQUIRED)
 - ⑩ 36" MIN. LENGTH #4 REBAR STABILIZER ATTACH WITH TWO STAINLESS STEEL BANDS
 - ⑪ BRICK (2 REQUIRED)

NOTE:
QUICK COUPLER VALVES SHALL BE OF THE TYPE APPROVED FOR RECYCLED WATER USE.

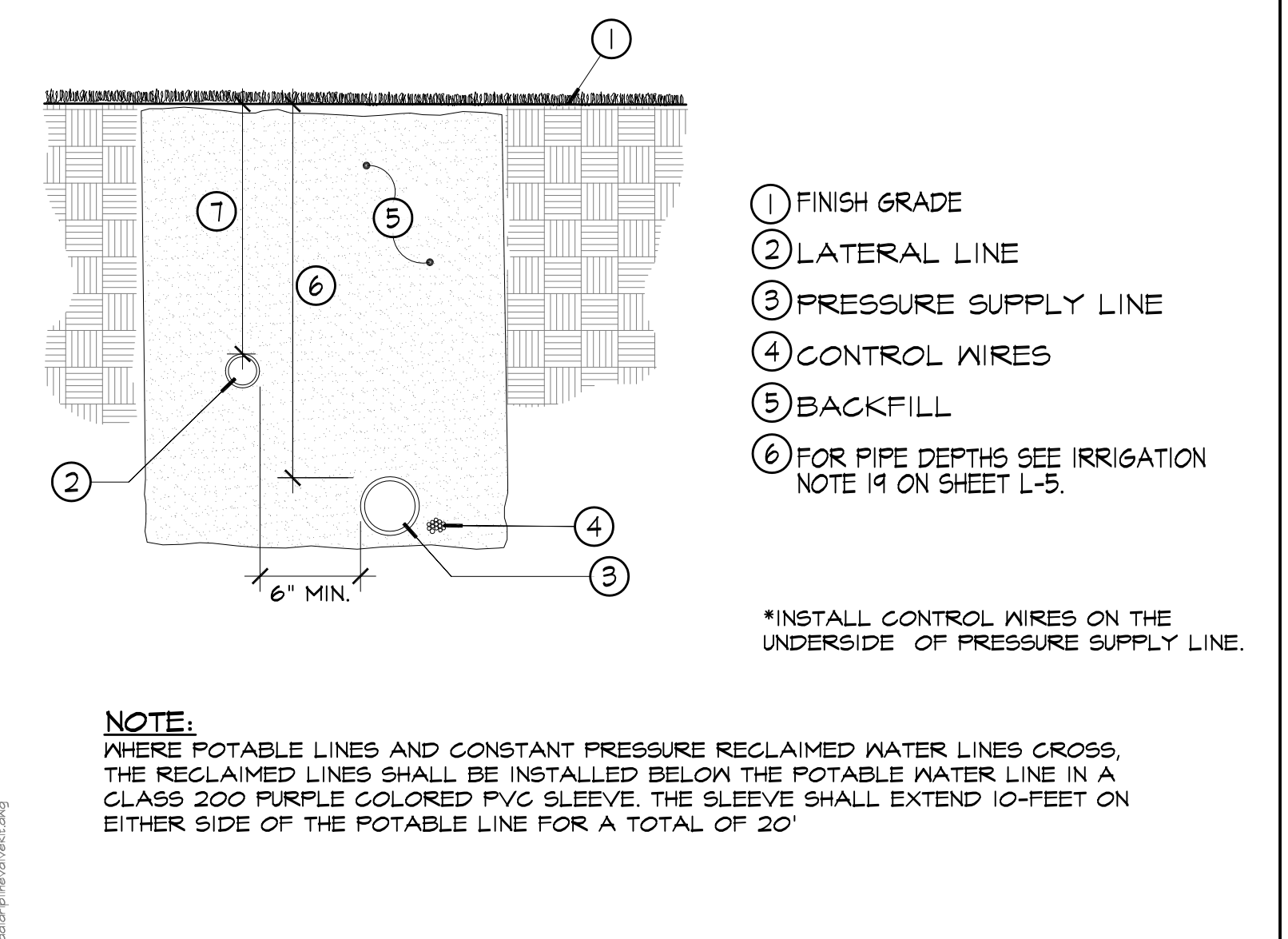
H QUICK COUPLER VALVE SCALE: N.T.S.



- LEGEND**
- ① PAVING
 - ② LATERAL LINE (IN SLEEVE)
 - ③ PRESSURE SUPPLY LINE (IN SLEEVE)
 - ④ CONTROL WIRES (IN CONDUIT)
 - ⑤ BACKFILL (SEE SPECIFICATIONS)
 - ⑥ FOR PIPE DEPTHS SEE IRRIGATION NOTE 19 ON SHEET L-18.

NOTE:
1. ALL SLEEVES TO BE TWICE DIAMETER OF PIPE (PER SPECIFICATIONS).
2. NO IRRIGATION SLEEVING IS PERMITTED PERPENDICULAR AND OVER CONCRETE BROW DITCHES.

I SLEEVING SCALE: N.T.S.



- LEGEND**
- ① FINISH GRADE
 - ② LATERAL LINE
 - ③ PRESSURE SUPPLY LINE
 - ④ CONTROL WIRES
 - ⑤ BACKFILL
 - ⑥ FOR PIPE DEPTHS SEE IRRIGATION NOTE 19 ON SHEET L-5.

*INSTALL CONTROL WIRES ON THE UNDERSIDE OF PRESSURE SUPPLY LINE.

NOTE:
WHERE POTABLE LINES AND CONSTANT PRESSURE RECLAIMED WATER LINES CROSS, THE RECLAIMED LINES SHALL BE INSTALLED BELOW THE POTABLE WATER LINE IN A CLASS 200 PURPLE COLORED PVC SLEEVE. THE SLEEVE SHALL EXTEND 10-FEET ON EITHER SIDE OF THE POTABLE LINE FOR A TOTAL OF 20'

J R.W. IRRIGATION TRENCHING SCALE: N.T.S.

SEE SHEET L-2 - L-4 FOR IRRIGATION PLANS
SEE SHEET L-5 FOR IRRIGATION LEGENDS & NOTES
SEE SHEET L-6 & L-7 FOR IRRIGATION DETAILS

DIGALERT
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
DIAL TOLL FREE 1-800-422-4133 AT LEAST TWO DAYS BEFORE YOU DIG

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LAND PLANNING ARCHITECTURE
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DATE: _____
JOB NO: _____
SCALE: _____
DRAWN BY: _____



DATE	INITIAL	REVISION DESCRIPTION	DATE	INITIAL	DATE	INITIAL

"AS BUILT"

P.E. _____ EXP. _____ DATE _____

REVIEWED BY: _____

INSPECTOR _____ DATE _____

SHEET 35 CITY OF CARLSBAD PLANNING DIVISION SHEETS 43

LANDSCAPE IMPROVEMENT PLANS FOR:
EL CAMINO REAL ROADWAY IMPROVEMENTS
FROM SUNNY CREEK Rd TO JACKSPAR Dr

APPROVED: _____ HOSSEIN AJDEH

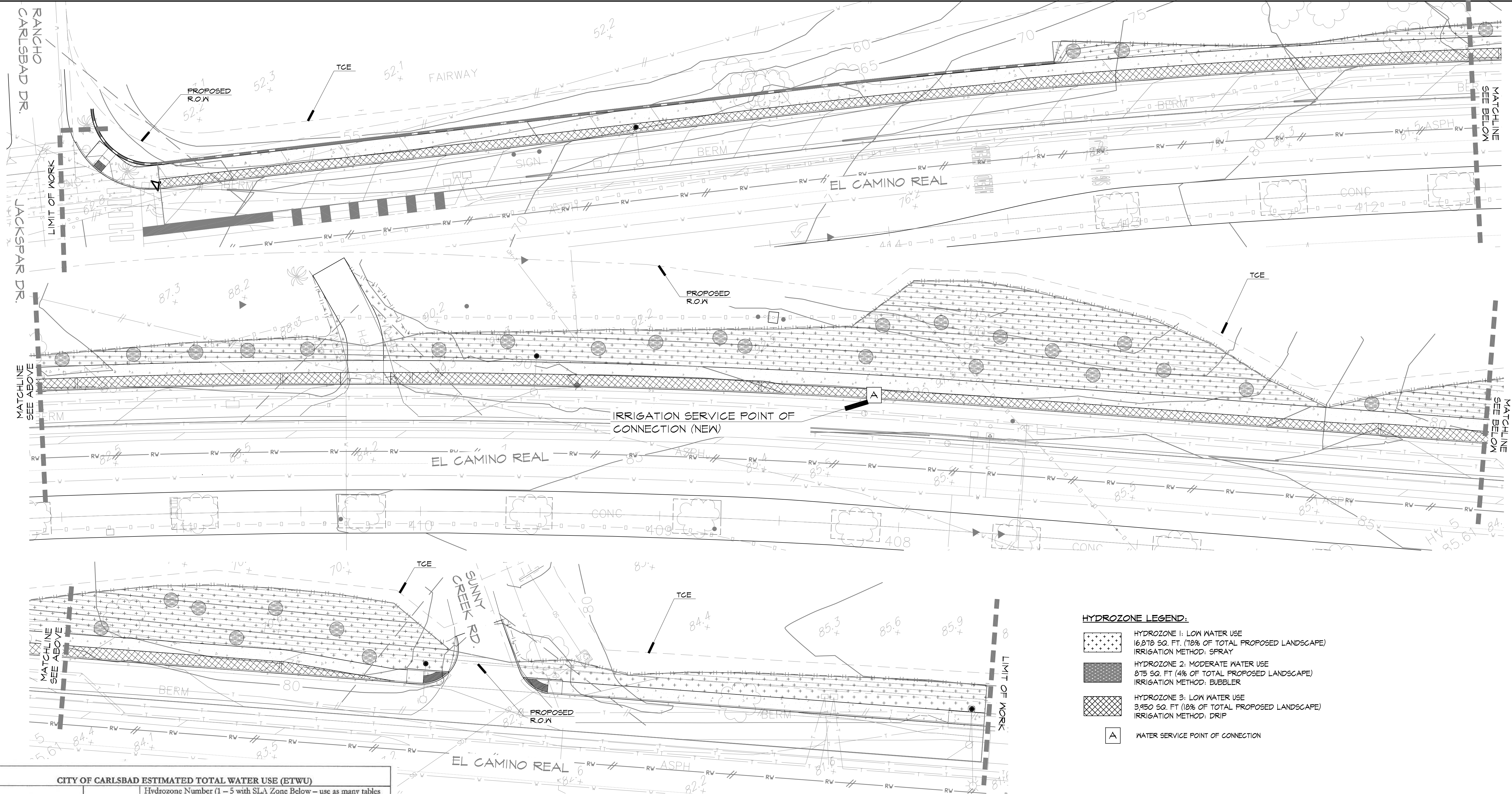
ENGINEERING MANAGER RCE 75991 EXPIRES 6/30/24 DATE _____

DWN BY: _____ PROJECT NO. 6094 DRAWING NO. DWG 529-1

CHKD BY: _____

RVWD BY: _____

EL CAMINO REAL ROADWAY IMPROVEMENT PLANS - 100% PS&E SUBMITTAL (4/19/2023)



HYDROZONE LEGEND:

- HYDROZONE 1: LOW WATER USE
16,875 SQ. FT. (18% OF TOTAL PROPOSED LANDSCAPE)
IRRIGATION METHOD: SPRAY
- HYDROZONE 2: MODERATE WATER USE
875 SQ. FT. (4% OF TOTAL PROPOSED LANDSCAPE)
IRRIGATION METHOD: BUBBLER
- HYDROZONE 3: LOW WATER USE
3,950 SQ. FT. (10% OF TOTAL PROPOSED LANDSCAPE)
IRRIGATION METHOD: DRIP
- WATER SERVICE POINT OF CONNECTION

CITY OF CARLSBAD ESTIMATED TOTAL WATER USE (ETWU)							
	Process Step No. (Below)	Hydrozone Number (1 - 5 with SLA Zone Below - use as many tables as necessary to complete all hydrozones)					SLA
		1	2	3	4	5	
Evapotranspiration Rate (ET ₀)*	1			47.0			
Conversion Factor	2			0.62			
(Step 1 x Step 2)	3			29.14			
Plant Factor (PF)** (From WUCOLS) (VLW - HW) (0.1 - 0.8)	4	0.3	0.5	0.3			
Area of Hydrozone (sq. ft.) (HA)	5	16,875	875	3,950			
(Step 4 x Step 5)	6	5,062.5	437.5	1,185			
Irrigation Efficiency (IE)***	7	.75	.8	.75			
(Step 6 + Step 7)	8	6,750	546.875	1,580			
(Total All Step 8 + Total SLA sq. ft. in Step 5)	9			8,875.875			
(Step 3 x Step 9) Estimated Total Water Use in gallons per year (ETWU) - Total shall not exceed MAWA	10			258,672.13			

MAWA CALCULATION

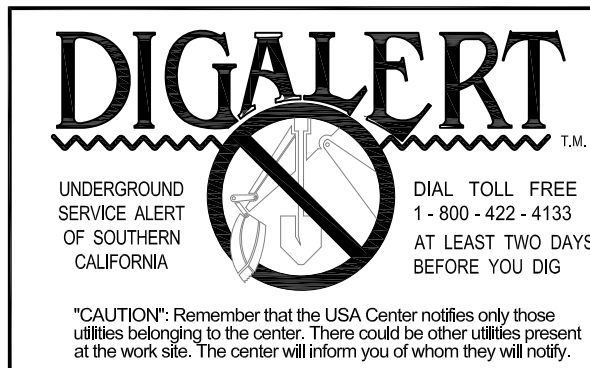
$$MAWA = (ET_0)(0.62) [(0.45)(LA) + (0.55)(SLA)]$$

$$= (47)(0.62) [(0.45)(21,700) + (0.55)(0)]$$

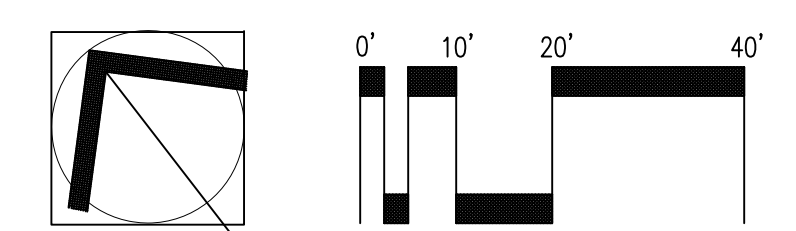
$$= (29.14) (9,765 + 0)$$

$$= 284,552.1 \text{ GALLONS PER YEAR}$$

SEE SHEET L-2 - L-4 FOR IRRIGATION PLANS
SEE SHEET L-5 FOR IRRIGATION LEGENDS & NOTES
SEE SHEET L-6 & L-7 FOR IRRIGATION DETAILS



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"AS BUILT"

P.E. _____ EXP. _____ DATE _____

REVIEWED BY: _____ DATE _____

INSPECTOR _____ DATE _____

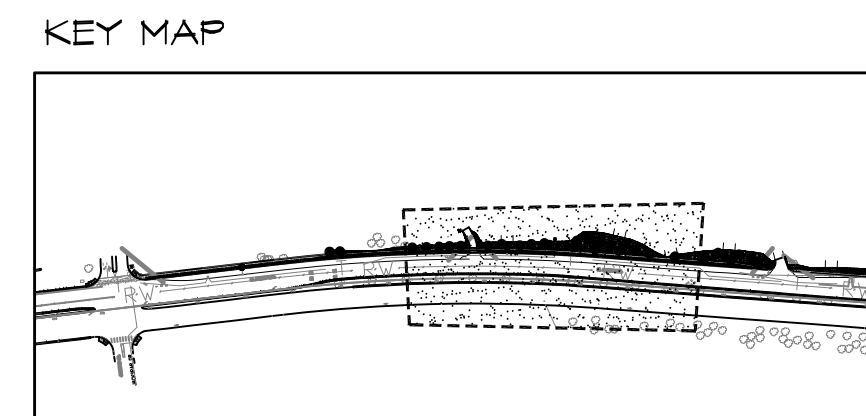
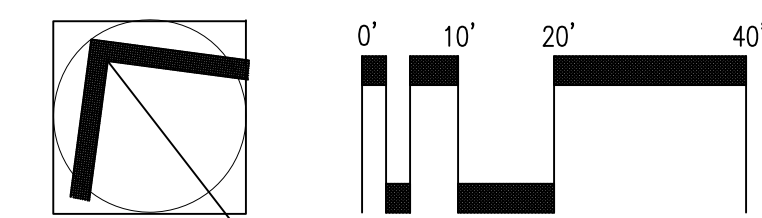
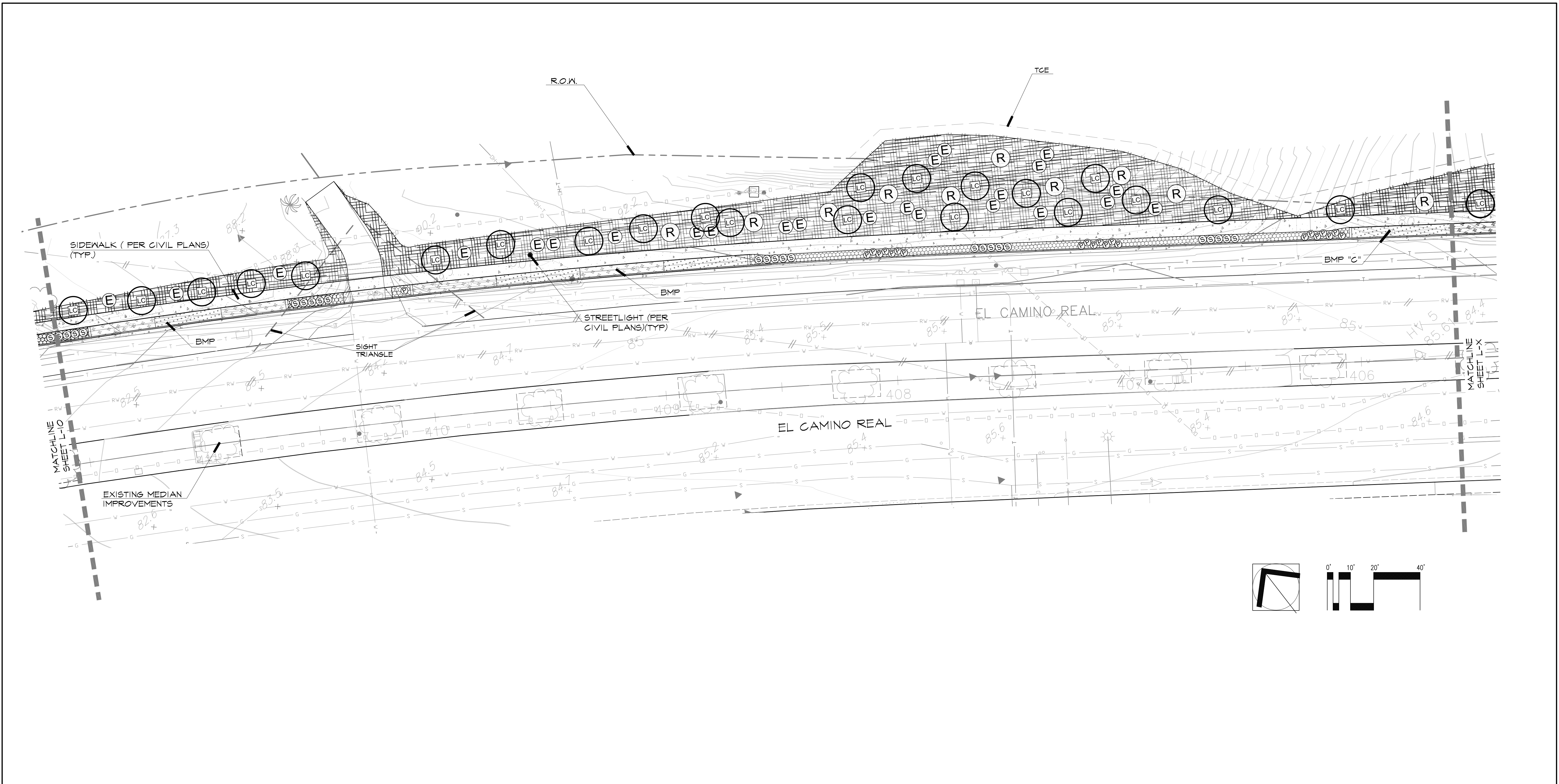
DATE	INITIAL	REVISION DESCRIPTION	DATE	INITIAL	DATE	INITIAL

SHEET **38** CITY OF CARLSBAD PLANNING DIVISION SHEETS **43**

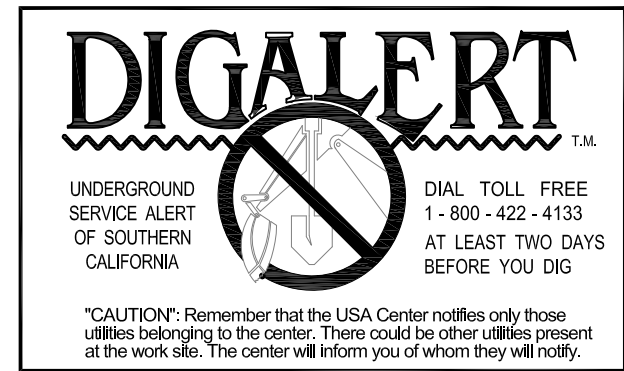
LANDSCAPE IMPROVEMENT PLANS FOR:
EL CAMINO REAL ROADWAY IMPROVEMENTS
FROM SUNNY CREEK Rd TO JACKSPAR Dr

APPROVED: _____ HOSSEIN AJIDEH
ENGINEERING MANAGER RCE 75991 EXPIRES 6/30/24 DATE _____

DWN BY: _____ PROJECT NO. 6094 DRAWING NO. DWG 529-1
CHKD BY: _____
RVWD BY: _____



SEE SHEETS L-10 - L-12 FOR PLANTING PLANS
 SEE SHEET L-13 FOR PLANTING LEGENDS & NOTES
 SEE SHEET L-14 FOR PLANTING DETAILS



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DATE	INITIAL	REVISION DESCRIPTION	DATE	INITIAL	DATE	INITIAL

"AS BUILT"

P.E. _____ EXP. _____ DATE _____

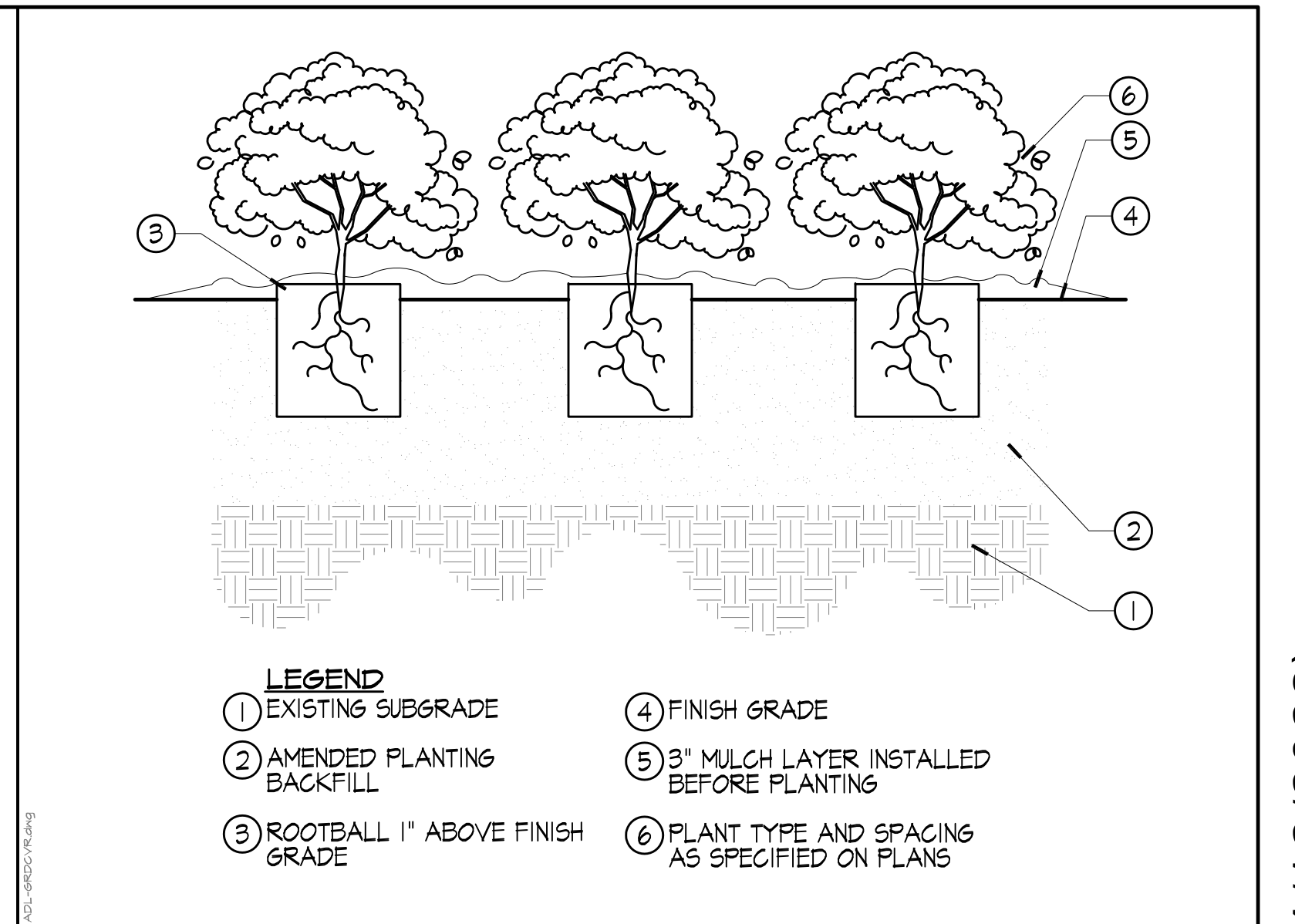
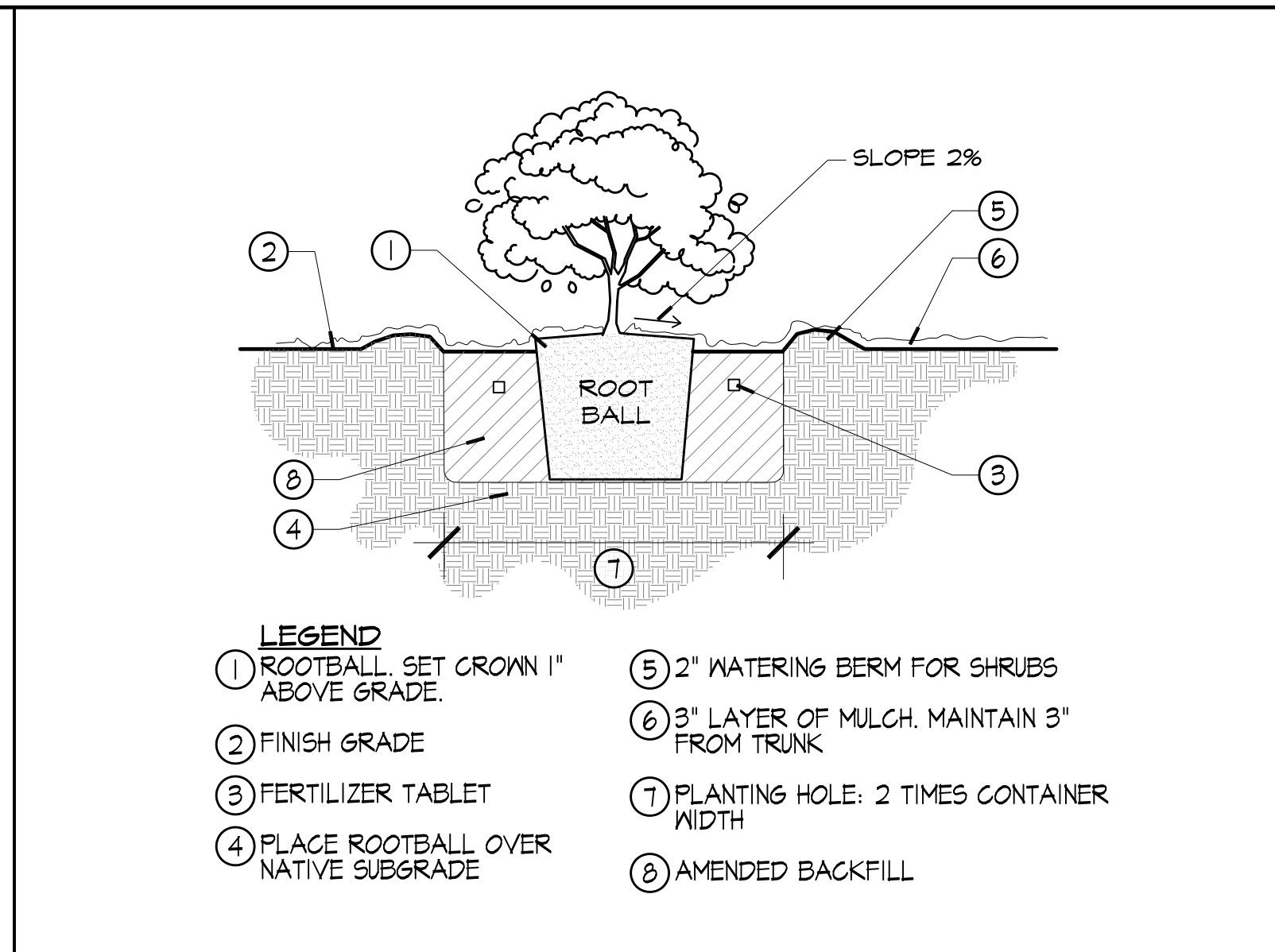
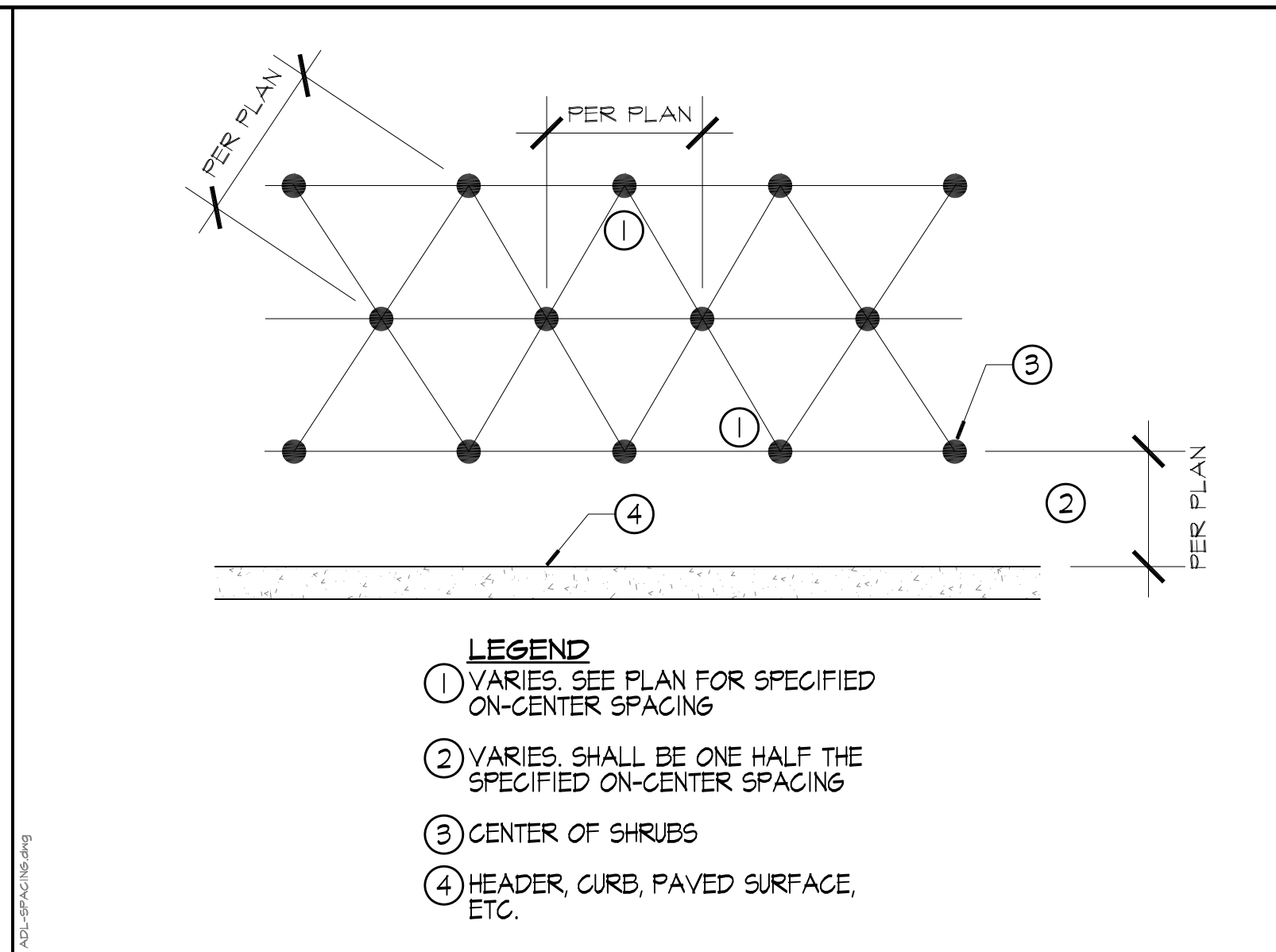
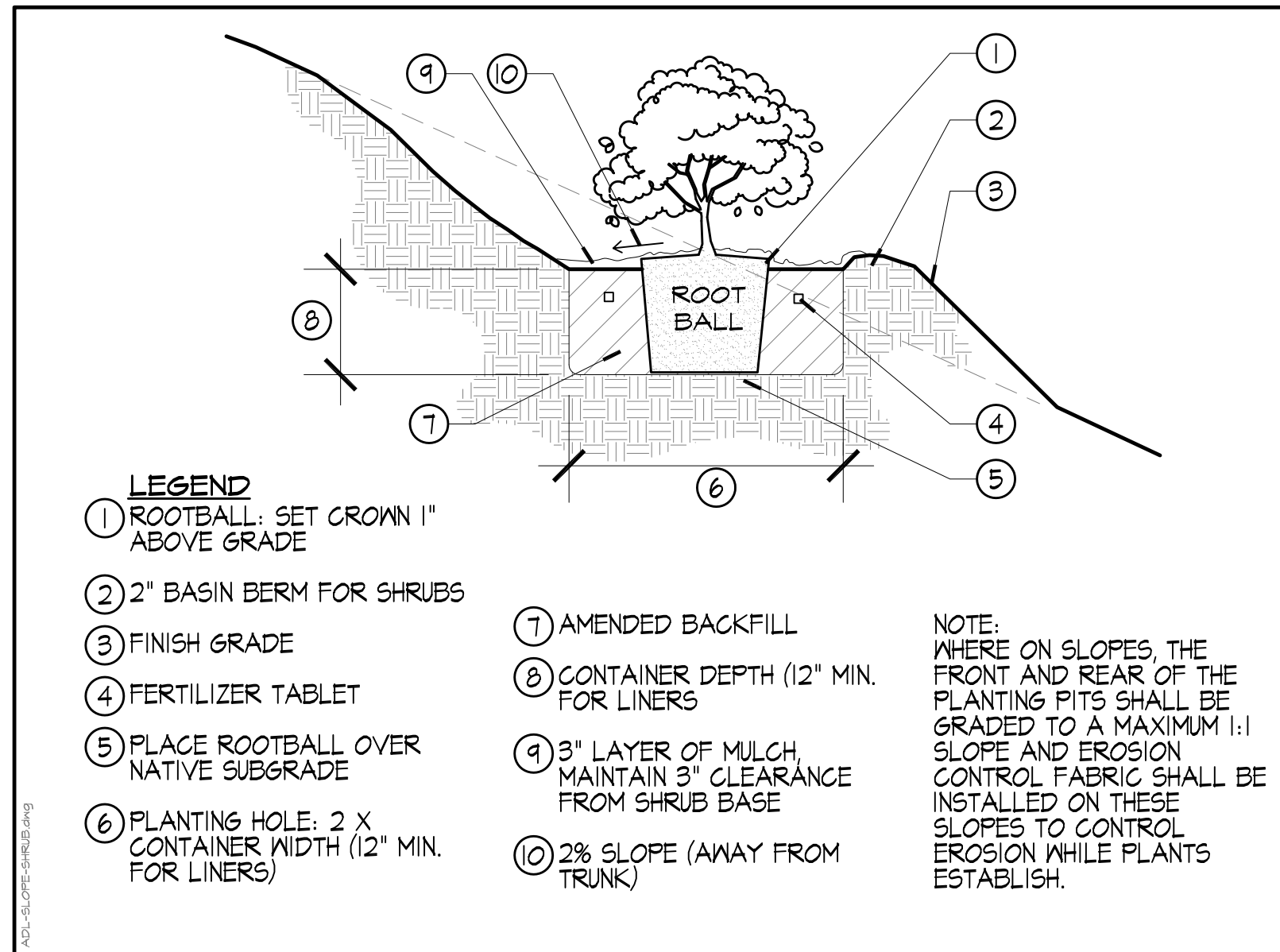
REVIEWED BY: _____

INSPECTOR _____ DATE _____

L-11

SHEET 40	CITY OF CARLSBAD PLANNING DIVISION	SHEETS 43
LANDSCAPE IMPROVEMENT PLANS FOR: EL CAMINO REAL ROADWAY IMPROVEMENTS FROM SUNNY CREEK Rd TO JACKSPAR Dr		
APPROVED: _____ HOSSEIN AJIDEH		
ENGINEERING MANAGER	RCE 75991	EXPIRES 6/30/24
DWN BY: _____	PROJECT NO. 6094	DATE _____
CHKD BY: _____		DRAWING NO. DWG 529-1
RVWD BY: _____		

EL CAMINO REAL ROADWAY IMPROVEMENT PLANS - 100% PS&E SUBMITTAL (4/19/2023)

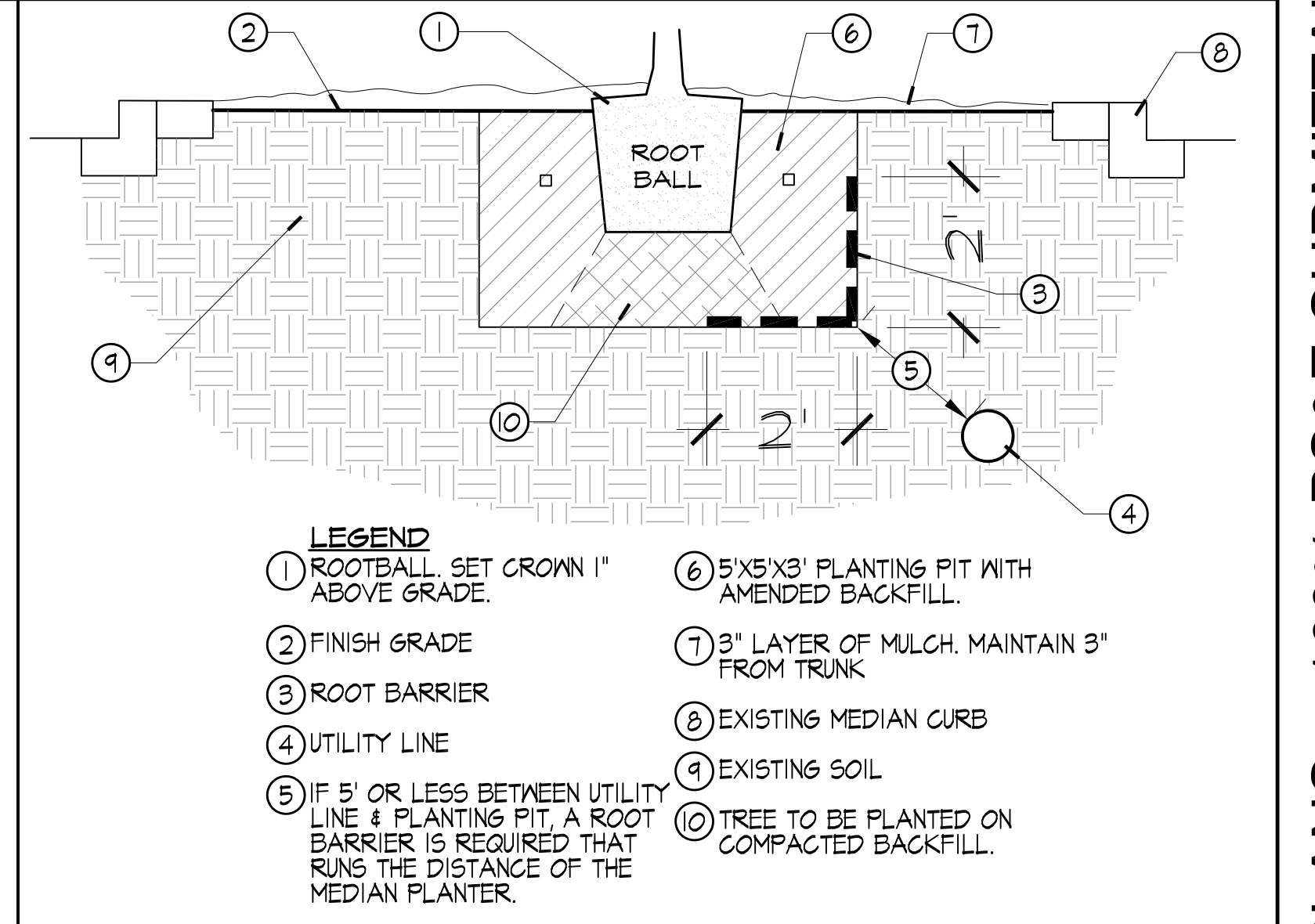
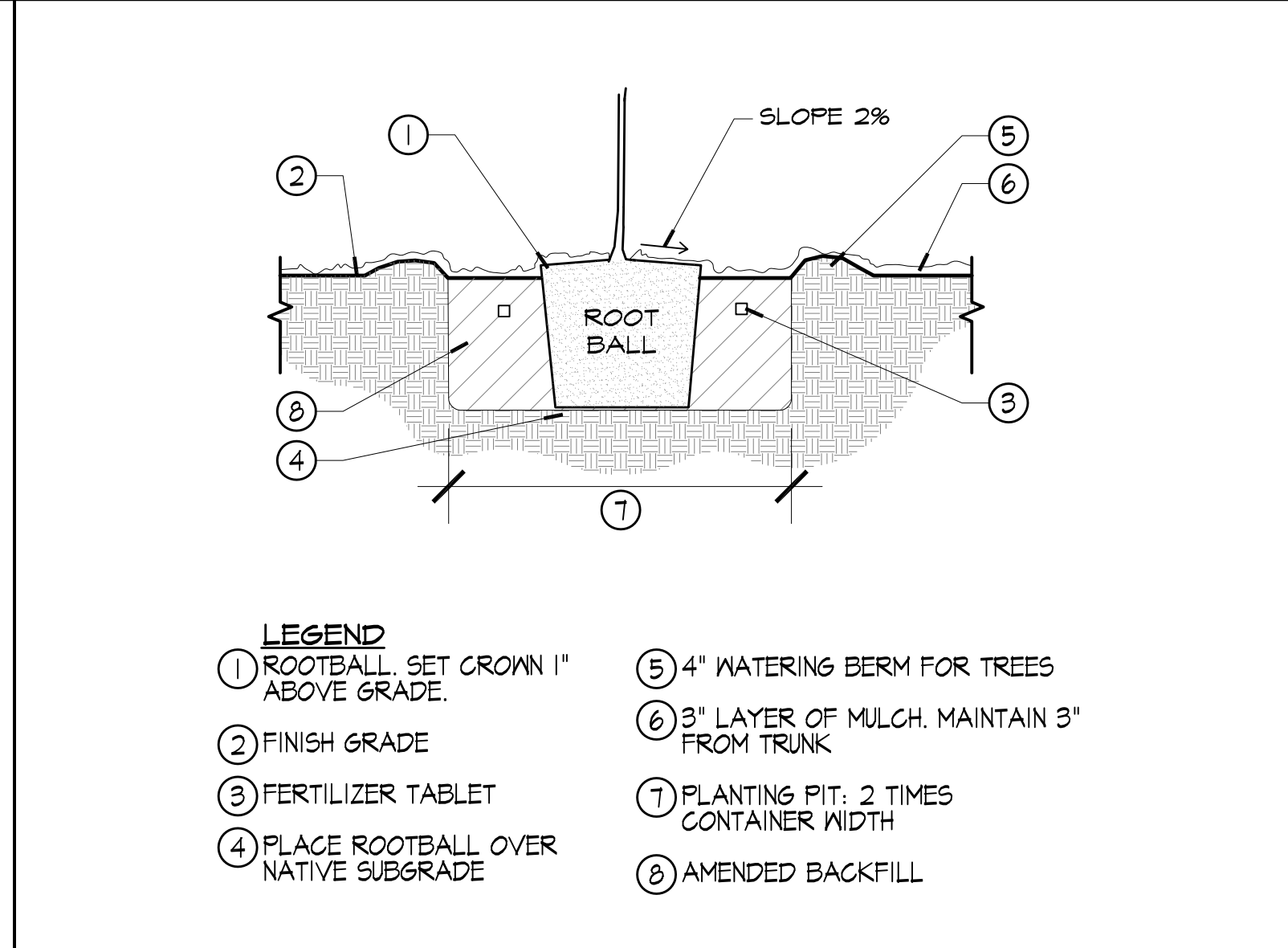
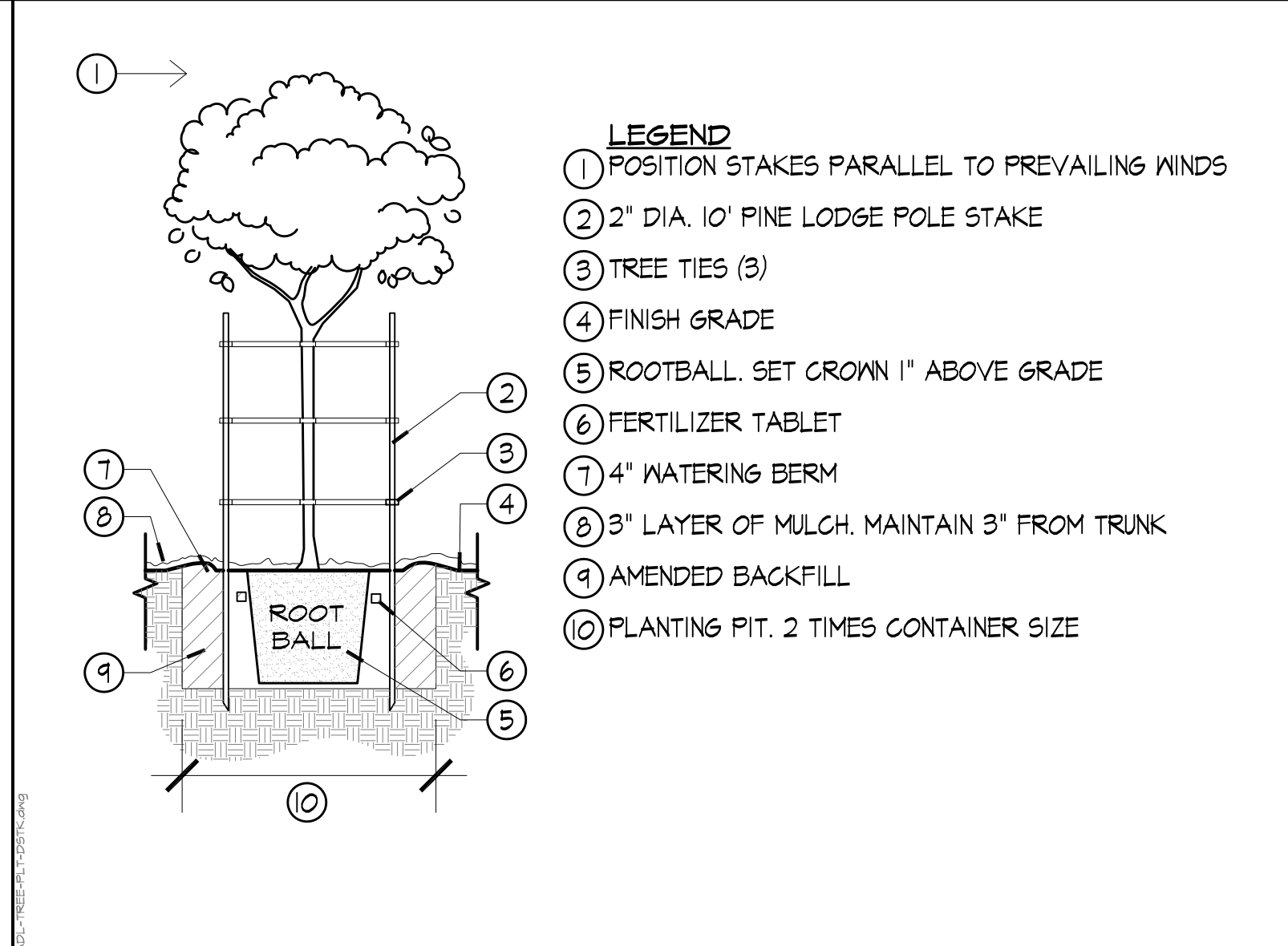
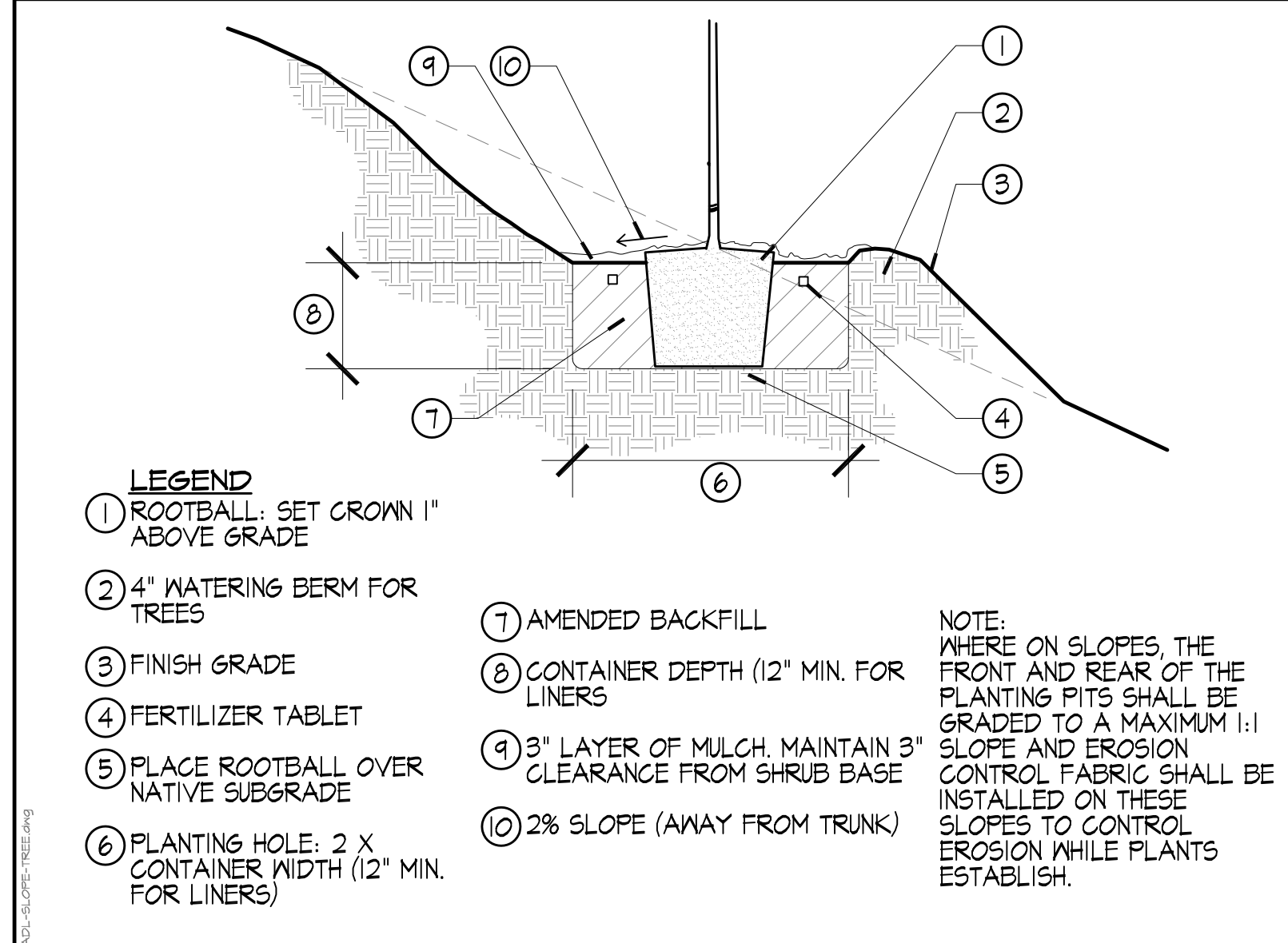


A SLOPE PLANTING: SHRUBS SCALE: N.T.S.

B PLANT SPACING SCALE: N.T.S.

C SHRUB PLANTING SCALE: N.T.S.

D GROUND COVER PLANTING SCALE: N.T.S.



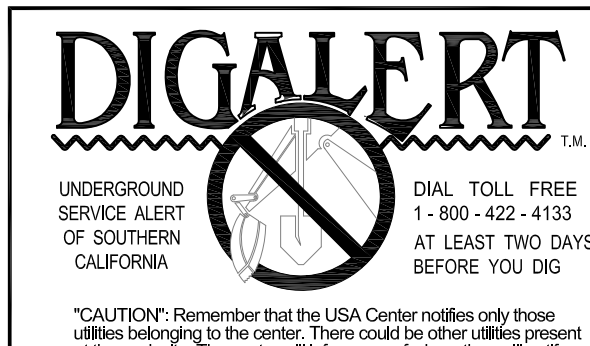
E SLOPE PLANTING: TREES SCALE: N.T.S.

F TREE PLANTING: DOUBLE STAKE SCALE: N.T.S.

G TREE PLANTING SCALE: N.T.S.

H TREE PLANTING W/ ROOT BARRIER SCALE: N.T.S.

SEE SHEETS L-10 - L-12 FOR PLANTING PLANS
 SEE SHEET L-13 FOR PLANTING LEGENDS & NOTES
 SEE SHEET L-14 FOR PLANTING DETAILS



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"AS BUILT"

P.E. _____ EXP. _____ DATE _____

REVIEWED BY: _____ DATE _____

INSPECTOR _____ DATE _____

SHEET 43 CITY OF CARLSBAD PLANNING DIVISION SHEETS 43

LANDSCAPE IMPROVEMENT PLANS FOR:
EL CAMINO REAL ROADWAY IMPROVEMENTS
 FROM SUNNY CREEK Rd TO JACKSPAR Dr

APPROVED: _____ HOSSEIN AJIDEH

ENGINEERING MANAGER RCE 75991 EXPIRES 6/30/24 DATE _____

DWN BY: _____ PROJECT NO. 6094 DRAWING NO. DWG 529-1
 CHKD BY: _____
 RVWD BY: _____

L-14

EL CAMINO REAL ROADWAY IMPROVEMENT PLANS - 100% PS&E SUBMITTAL (4/12/2023)



Minutes

Council Chambers
1200 Carlsbad Village Drive
Carlsbad, CA 92008

Tuesday, Sept. 7, 2021, 4 p.m.

CALL TO ORDER: Chair Gocan called the Meeting to order at 4:04 p.m.

ROLL CALL: Present: Gocan, Perez, Penseyres, Linke and Coelho
Absent: Fowler

PLEDGE OF ALLEGIANCE: Vice-Chair Perez led the Pledge of Allegiance

This meeting was conducted virtually via Zoom due to the stay-at-home order for COVID-19.

APPROVAL OF MINUTES:

Motion by Vice-Chair Perez, seconded by Commissioner Penseyres to approve the minutes for the Aug. 2, 2021 meeting.

Motion carried: 4/0/1/1 (Abstained: Coelho; Absent: Fowler)

PUBLIC COMMENTS ON ITEMS NOT LISTED ON THE AGENDA: None

CONSENT CALENDAR:

1. EL CAMINO REAL ROADWAY IMPROVEMENTS FROM SUNNY CREEK ROAD TO JACKSPAR DRIVE, CAPITAL IMPROVEMENT PROGRAM PROJECT NO. 6094 - Support staff's recommendation to implement the El Camino Real Roadway Improvements from Sunny Creek Road to Jackspar Drive, Capital Improvement Program (CIP) Project No. 6094 (Project) providing operational improvements consistent with the city's General Plan Mobility Element.

This item was pulled for discussion by Vice-Chair Perez

2. SHARED LANE MARKINGS ON LEVANTE STREET FROM SEGOVIA WAY TO LA COSTA AVENUE- Support staff's recommendation to install shared lane markings on Levante Street from Segovia Way to La Costa Avenue

PUBLIC COMMENT ON ITEM 2:

David Levin - Members of the Traffic and Mobility Commission: Having shared lane markings and other appropriate signage alerting drivers to share the road for the sake of all bicyclists' safety on Levante Street will be greatly appreciated by all bicyclists who navigate the narrowness of this street, especially when parked cars and trucks are present. I am very appreciative that Council Member Teresa Acosta, City Traffic Engineer John Kim, Associate Engineer Lindy Pham, and everyone on their teams who conducted the study found that there is indeed a need to improve Levante Street for all bicyclists. And I'm pleased that the Carlsbad Traffic and Mobility Commission will be hearing the recommendation. However, I am a bit disappointed that the recommended starting point for the

sharrows and related signage will be only between Segovia Way and La Costa Avenue on Levante Street. There needs to be more territory covered on Levante Street.

The width from one side of Levante Street to the other side, starting from Escenico Terrace to Segovia Way appears to be similar to what the engineers are recommending for shared lane markings on Levante Street from Segovia to La Costa Avenue, especially with parked vehicles.

In other words, the installation of sharrows and other appropriate signage should be expanded on Levante Street from Escenico Terrace to La Costa Avenue—not just Segovia Way to La Costa Avenue. That shortcoming would not lend itself to bicycle safety to all the areas needed on Levante Street.

Without delay to deciding on the engineers' recommendation, it is my hope that the Traffic and Mobility Commission will request another look at an extended placement shared lane markings and other appropriate signage from Escenico Terrace to La Costa.

Thank you very much.

DISCUSSION:

City Traffic Engineer Kim stated that it is not common practice for engineers to consider sharrows on residential streets that are posted at 25 miles per hour. The speeds are low enough that sharrows are typically not necessary. However, since a portion of Levante Street is defined as a school street per the Mobility Element, staff has recommended the installation of sharrows upon the portion of Levante Street that is defined as a school street. Staff is willing to hear the commission's recommendation on expanding the area of sharrow installation per Mr. Levin's comment.

Commissioner Penseyres asked the distance referenced in the residents' request.

City Traffic Engineer Kim said it is over 10 intersections and about 5,000 extra feet, and relatively flat. Commissioner Linke is familiar with the street, acknowledges that this is just not a regular street, but a thoroughfare, however he supports the staff's recommendation and can consider other sections in the future.

Vice-Chair Perez mentioned that the section going west has a bit of a slope and possible blind section, but is in agreement with staff's recommendation at this time to try it out.

Chair Gocan and commissioners agreed that the resident has a concern, yet they will try it out and they will move forward.

ACTION:

Motion by Commissioner Linke, seconded by Commissioner Penseyres to approve Consent Calendar Item 2 - Shared Lane Markings on Levante Street from Segovia Way to La Costa Avenue, as presented.

Motion carried: 5/0/0/1 (Absent: Fowler)

Motion by Commissioner Linke, seconded by Vice-Chair Perez to approve Consent Calendar Item 1- El Camino Real Roadway Improvements from Sunny Creek Road to Jackspar Drive, Capital Improvement Program Project No. 6094, as presented.

Motion carried: 5/0/0/1 (Absent: Fowler)

DEPARTMENTAL REPORTS:

3. POLICE MONTHLY REPORT – (Staff Contact: Corporal Matt Bowen, Police Department)

Corporal Bowen presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk)

DISCUSSION:

Corporal Bowen pointed out that Carlsbad schools opened up on August 24, and the motors were at the schools both morning and afternoons to help with any traffic issues and to keep the kids safe, in addition to the crossing guards.

Corporal Bowen highlighted the purchase of an Electronic Message Board that is displayed on Carlsbad Boulevard with the following message "Loud Exhaust Enforced Ahead".

Commissioner Penseyres and Vice-Chair Perez are interested in hearing about the Know Your Limit program related to driving under the influence at the next meeting.

4. ALL-WAY STOP ON CEREZO DRIVE AT LOS ROBLES DRIVE AND EL ARBOL DRIVE – (Staff Contact: Lindy Pham and John Kim, Public Works)

Staff's Recommendation: Support staff's recommendation to install an all-way stop at Cerezo Drive and Los Robles Drive.

Associate Engineer Pham presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

PUBLIC COMMENT ON ITEM 4:

Jonnie Johnson - Thank you for work to resolve traffic problems in Terramar. It is much appreciated. However, there are two issues that need further attention.

1. The most critical is the lack of red curbs/no parking signs on the western most portion of Cerezo. The curbs are painted red on the southern side of the street between Carlsbad Blvd and Los Robles, except for 2-3 parking spaces. The report states Cerezo is 36' wide. It is, in some portions. However, the street is tapered hence the western portion is narrower, approximately 33' wide, leaving 16' per lane. Per CA DOT, car widths are normally 6-8' wide making parking/driving tight. Cerezo is the primary entrance to Terramar. It is also a popular parking spot for beachgoers. Surfers bring surfboards. adding another factor (one that is not addressed in the current Residential Traffic Calming Program) to the traffic problem. They lay their boards in the street reducing the passage even more. In addition, the owner of the house located on southwest corner Cerezo/Carlsbad Blvd. has laid several large boulders on the easement, causing pedestrians to walk in the street. (see attached photos.) This situation presents a potential liability problem for the City if a pedestrian is hit, because of the boulders. The intersection at Carlsbad Blvd/Cerezo has one pedestrian crosswalk located at the south side, so it makes sense that westbound pedestrians on Cerezo be directed to the southern crosswalk on the Blvd. Highly recommend the south side of the street between Carlsbad Blvd/Los Robles be painted red.
2. Page 2, 2nd para. "Removal of on-street parking MAY not be supported by the Coastal Commission..." This is ironic, since the next street over, Manzano, has NO parking on either side and it is a blocked off from Carlsbad Blvd traffic.

DISCUSSION:

City Traffic Engineer Kim commented on the pedestrian concerns brought up by Ms. Johnson and offered that a new sidewalk, which will be analyzed by the Transportation Department. The removal of

parking would create more space, but it may also lead to other concerns as people would simply park further into the neighborhood. The removal of the parking spaces would create a wider street, which may also increase vehicle speeds. Based on these considerations, the appropriate recommendation is to install the all-way stop at Cerezo Drive and Las Robles Drive.

Chair Gocan asked and it was confirmed that staff will analyze the feasibility of a sidewalk in the future. Commissioner Penseyres inquired about the location of the boulders in relation to the right of away. City Traffic Engineer Kim said that they will look into it since they just received this comment over the weekend.

Transportation Director Frank mentioned that similar to other streets, there are private encroachments with landscaping, rocks, and boulders in the right of way. Staff has looked into this but have not reached out to the involved property owners to discuss options.

Commissioner Penseyres asked about the speed survey, have we considered putting out rubber tubes to catch the speeders when no one is there watching them. The concern is the maximum speed not the critical speed.

City Traffic Engineer Kim replied that there is no accepted standard or practice that considers maximum speed as a design factor and that critical speed is the appropriate measure. Maximum speeds are captured since the speed measurement device records on a 24-hour per day basis.

Commissioner Linke asked about the no parking signs and the barricade on Manzano Drive.

City Traffic Engineer Kim will research the installation date as well as the justification for designating a no parking zone.

Transportation Director Frank said that if staff decided to consider a sidewalk as a part of the sidewalk improvement program, staff would hold workshops with the neighbors to explore different opportunities.

Vice-Chair Perez inquired about the timing of the speed feedback sign deployment and a work-from-home philosophy.

Associate Engineer Pham said that they did consider the lower volume of traffic during a pandemic. The volume of the traffic was 118 and the minimum to qualify for consideration is 300 vehicles per hour per the Manual on Uniform Traffic Control Devices. Staff was confident that "normal" traffic levels would not reach the minimum levels

City Traffic Engineer Kim mentioned that volume of traffic around the beaches has been fairly high during the pandemic. Staff looked at the eight specific recommendations or guidance factors. The location did not meet the criteria for vehicle volume, but it did meet the criteria for the vehicle/pedestrian conflicts, which is why they are recommending the stop sign at that intersection.

Commissioner Penseyres inquired if there are any future projects that will be adding parking?

Transportation Engineering Manager Ajideh said that the Terramar project will improve Carlsbad Boulevard including some parking improvements. The Terramar project is still in the environmental review process and staff will bring it to the commission when it is appropriate.

Commissioner Linke likes the suggestion of looking at sidewalks and would appreciate a more global picture of all the parking and safety issues.

Motion by Commissioner Linke, seconded by Commissioner Penseyres to support staff's recommendations to install All-Way STOP control on Cerezo Drive at Los Robles Drive and El Arbol Drive. Motion carried: 5/0/0/1 (Absent: Fowler)

5. VILLAGE AND BARRIO INTERSECTION CONTROL AT OAK AVENUE AND ROOSEVELT STREET- (Staff Contact: Hossein Ajideh, Public Works)

Staff's Recommendation: Support staff's recommendation

Transportation Engineering Manager Ajideh presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

PUBLIC COMMENT ON ITEM 5:

Xylina Lim - Buddha Teas has operated out of our current facilities on Tyler Street for close to ten years. As a tea company, we receive large shipments of herbs and dried goods. While we encourage the efforts of creating a safer area by controlling the flow of traffic, the proposed traffic circles inhibit larger vehicles to enter our facilities. We will be one of many local businesses impacted by this change as we have personally witnessed larger truck deliveries in the area that squeeze into smaller spaces than ours. This feat alone takes a very skilled driver; the introduction of roundabouts will prevent trucks to have any access to our facilities in the current proposed locations. As safety is at the forefront of our worries, Buddha Teas would like to offer an alternative solution -- stop signs or speed bumps. We agree that the driving speed observed is sometimes far beyond the speed limits. Stop signs will allow drivers to fully stop and take in their surroundings for pedestrians and small creatures. In addition, speed bumps still allow traffic movement, just at a more reasonable speed. In conclusion, the traffic circles would result in a very detrimental loss for local businesses like ours. It is imperative for local businesses to receive shipments *at all*, no matter the size.

DISCUSSION:

Commissioner Linke asked if corner bulb outs are an option for this location.

Transportation Engineering Manager Ajideh said that they did not introduce the bulb outs because they heard the Boys and Girls Club concerns and they were trying to gain a few parking spaces. The four-way stop is the safest condition for pedestrians.

Commissioner Penseyres asked if a scramble type crosswalk is possible?

Consultant Capuzzi said that he has not seen scrambles at all-way stops. They are typically used at traffic signals.

Transportation Director Frank agreed that he has not seen a scramble at an all-way stop, it is probably not a viable option.

Commissioner Coelho asked why we originally looked at a traffic circle at this location.

Transportation Engineering Manager Ajideh said that during the design stage, they noticed that there were concerns for this specific intersection.

Deputy City Manager Gomez mentioned that during the Village and Barrio Master Plan development there was a lot of public outreach. As the ideas came forward, they were presented and vetted. They took the information included in the Village and Barrio Master Plan as a starting point and had the consultants help them develop the plans and specifications. After speaking with the local businesses, and particularly the Boys and Girls Club, there were some concerns and changes from what was previously approved by City Council and had been presented to the Traffic and Mobility Commission.

Motion by Commissioner Coelho, seconded by Commissioner Linke to support staff's recommendation for alternative intersection control feature (no-project alternative with adding continental crosswalks) at Oak Avenue and Roosevelt Street, which is part of the Village and Barrio Traffic Circles, Capital Improvement Program Project, or CIP, No. 4015.

Motion carried: 5/0/0/1 (Absent: Fowler)

6. TRANSPORTATION DEMAND MANAGEMENT (TDM) PROGRAM AND TDM HANDBOOK – (Staff Contact: Tom Frank, Public Works)

Staff's Recommendation: Receive a presentation and provide input

Transportation Director/City Engineer Frank presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

PUBLIC COMMENT ON ITEM 6:

1. Diane Nygaard - Honorable Chair and Commissioners: We were very disappointed after reading the staff report for this agenda item. Our expectation was that a status report would actually report on results. Understanding results is critical to determining what changes are needed in the program. This report unfortunately does not discuss that.

What, if any, impact has this program had on increasing the mode share for alternative transportation? How many businesses are participating? Have they completed baseline surveys? How many have completed follow up surveys- and do they show any increase in mode share for alternative transportation? What has been their experience with use of the actions from the checklist and how does that inform decisions about modifying the TDM Ordinance/Handbook for the next update?

We will separately forward to you and staff a discussion prepared by our attorney on the inadequacies of the existing TDM program. We recognize the city's position is that they are in compliance with the conditions of our settlement agreement related to the TDM program. But the concerns raised in that letter are all relevant for your consideration of what needs to be improved if this program is to achieve a meaningful reduction in GHG.

Today as we see the devastating impacts of climate change around our country and the world, taking this issue seriously is imperative.

Thank you for providing important oversight and direction to staff.

2. Mike Bullock- We should all be serious about TDM, for 5 reasons:
 - 1.) Cars are by far the category of GHG emission that emits the most GHG (CO2)
 - 2.) The Intergovernmental Panel on Climate Change (IPCC) recently reported that humanity has a "Code Red" climate emergency
 - 3.) The IPCC says this because humanity is on a path to result in climate destabilization, which is likely to end most life forms on Earth, including our own species
 - 4.) There are two climate "targets", or requirements, that must be achieved, to avoid climate destabilization or, put another way, must be achieved to stabilize the earth's climate at a livable level
 - a. The 2nd requirement is to achieve net-zero emissions by 2045 or, if we are lucky, we might be able to slip that out to 2050
 - b. The first requirement (which is the most important one, because if we fail to achieve the first requirement, achieving the later requirement won't save us) is to emit at a level that is no more than 80% below what we emitted in 1990, by 2030, as part of an overall world-wide plan to get our earth's atmospheric CO2 to stop going up. (Note that atmospheric CO2 is now around 420 PPM, but it should be around 280 PPM. 350 PPM was deemed to be "dangerous" over 10 years ago.)
 - 5.) The 2030 requirement can't be achieved by only electrifying our fleet; we must reduce driving. (I have done the math and verified this to be true.)

It seems to me that if Carlsbad were serious about TDM, then it would develop and implement a good TDM program ***for their own employees***, to show the employers in Carlsbad how it is done. Once the Carlsbad TDM is "successful", meaning that it is favored by most Carlsbad employees and it reduces driving as predicted, other companies in Carlsbad could be required to adopt the same TDM.

Since we need big reductions by 2030, we must rely on pricing. Complete streets, better transit, and better zoning need to happen ASAP, but their GHG reductions will not happen fast enough or be large enough, given the 2030 requirement of emitting at no more than 80% below what was emitted in 1990. We need systems to improve the way drivers pay for the use of roads and transit. The Road Use Charge (RUC) is a state function. Carlsbad needs to ask California to implement a good RUC system in time to help achieve the 2030 target. (ASAP!) Parking policy reform is for the municipalities. And Steve, you are correct. TDM needs to be for ***all types of development***.

I am a retired satellite system engineer. This is a systems-engineering problem. I have worked the problem of identifying a set of enforceable measures to ensure that cars will achieve the 2030 target. It has been presented multiple times, at Air and Waste Management Association (AWMA) conferences. Each time the paper was presented, it was peer reviewed. The 2nd attached file is the paper; the 3rd file is the power point file I use to present the paper.

DISCUSSION:

Chair Gocan is working with the school district, the city, and hopefully the community to make sure that bikes have safe access through the intersections. Her personal goal is that 20% to 30% of the students, especially high school student use walking or biking to go to school and create a safe place for drop off and pick up of students.

Commissioner Linke would like to highlight four different regulatory pathways. Specifically, Mobility Plan items 3P-8 to 3P-11. The items are:

1. TDM Ordinance and Handbook focusing on reducing employment related vehicle trips not only on larger new businesses.
 2. Having developers pay their fair share when they are adding traffic to the streets and congestion and are failing to meet our GMP standard.
 3. Our multi-modal level of service point system to achieve the minimum GMP standard to improve nonvehicle modes of travel which he is on the ad hoc committee, because the standard is way too low. He wants to include definitions of different TDM approaches to help the point system.
 4. A state mandated environmental review of CEQA to reduce vehicle miles traveled. He is recommending that these four regulatory pathways to be handled in the revision of the TDM Handbook.
- Transportation Director Frank appreciates the timely comments and staff will be looking at what steps are needed to update TDM to best serve our program goals.

Commissioner Linke gave examples and suggestions on how to update the TDM handbook, specifically section 1.7 to include more than just the employees, to include all patrons of the business. In section 2.2 the thresholds of compliance, needs to address the trips that are added to exempt streets at a higher standard. In section 2.5 the tier levels themselves and how they are applied from a Tier 1 to a Tier 2 or Tier 3. The strategy needs to be beefed up to adequately address the trips to the site and determine if the measures are working. He is suggesting that the survey be done every year for the first few years to make sure they are properly monitored.

Commissioner Linke suggested that staff confirm that the TDM programs have been implemented and the actual performance of those programs.

Consultant Hester agreed this is a really good comment and concern. The goal is to find out how many people are participating in the program on the commercial side.

Transportation Director Frank said that on the residential projects we don't have the same options or tools to reinforce them. Staff will look into what options they have for residential projects based on all the comments they receive. COVID-19 has made it difficult to complete the monitoring of the TDM program.

Chair Gocan asked if it is ever going to be possible for the traffic and transportation engineers to review the TDM applications.

Consultant Hester said that they will be looking at the process along with the content.

Transportation Director Frank said that the Community Development Team uses the handbook as a part of their review. All of these examples are going to help improve this new TDM program. Commissioner Linke mentioned that the City, when it updated the General Plan in 2014, discussed TDM.

Commissioner Linke would like staff to review the Innovative Feature category. Also review the definition of how projects get the number of points they receive in every category.

Commissioner Coelho inquired about who has the lead in approving the TDM plans and the roles of the different groups that participate in the process.

Deputy City Manager Gomez said that the Traffic and Mobility Commission does not review the TDM Plans for private development projects. It is in the commission purview to look at and provide input on how we can improve our processes and things that are related to traffic and mobility.

Transportation Director Frank said that he, as the City Engineer has the authority to make the changes. Staff likes to work in a transparent manner to bring forward updates and receive suggestions like we are doing tonight. Staff is currently providing Traffic Impact Analysis reviews for all projects, including Community Development projects.

Chair Gocan mentioned that transportation options, like e-bikes, have changed a lot over the years. The city is also seeing more traffic on the roads and the Traffic and Mobility Commission cannot address all the associated tasks to reduce this traffic.

Transportation Director Frank agreed, and said it is getting more challenging with the state laws coming out about higher densities. His challenges as the Transportation Director is to inform the policy makers, the commission, the City Council, and the public of the coming issues and how we are going to address it. The roads are congested, we cannot eliminate congestion, we can improve the efficiency of the road network. Staff acknowledge that transportation behavioral changes are difficult because people like to go from point A to B in a timely and convenient manner.

Commissioner Penseyres recommends that with the TDM program we could use a positive approach like employers offering an easy access for bicyclist to a private shower with lockers and towel racks. The bike parking should be close to the showers and lockers. We should be very specific about the amenities that we provide for cycling to work. There are places in the TDM options that say should, when shall do this to get the points, is more appropriate. When talking about bike racks it says if practicable then include on your drawings. If it's not practicable and they you are not going to do it, we need to make the wording tougher so that they do it. We need to be a lot more specific on what a good faith effort gets them before they can collect the points. Everything we do evolves around the automobile, like rewarding an employee with a car and/or a premium parking spot. We have to do a paradigm shift and we will need a lot of perks to change behavior. We need to provide very specific things in the TDM program to encourage people to take another look at what else they can do. Finally, we need to place more importance on education. For example, e-bike education helps the kids understand the rules of the road to get to where they need to go, like to the beach with their surf boards, this saves the parents time and car trips.

Vice-Chair Perez agreed that e-bikes are the new way we are going to be moving into the bicycle industry, one of our transportation innovations. We should try to be innovative in the city and provide some kind of charging. The e-bikes are heavy and might not fit in an office. The e-bikes might need a charge to make the return trip home. Education and safety have to be a really crucial point in the handbook, items like helmets and the importance of being seen by the cars. In the handbook when it

lists bike safety incentive the cost is medium, but the effectiveness is low. We need to place more importance on providing helmet safety and being visible to the cars.

Chair Gocan mentioned the benefit of having e-bike chargers in the village as well as at the schools. To make the bicycle riders, safe, comfortable, and provide a convenient place to charge.

Staff will consider all the suggestions to make the behavior change more rewarding.

7. ELECT A NEW TRAFFIC AND MOBILITY COMMISSION CHAIR AND VICE-CHAIR – (Staff Contact: John Kim, Public Works)

Staff's Recommendation: Elect a new T&MC Chair and Vice-Chair

Motion by Commissioner Penseyres, seconded by Commissioner Coelho to nominate Commissioner Perez to one-year term as Chair and to nominate Commissioner Linke to 1-year term as Vice-Chair.

Motion carried: 5/0/0/1 (Absent: Fowler)

CITY TRAFFIC ENGINEER REPORT:

City Traffic Engineer Kim noted that staff had received comments regarding VMT from Commissioner Linke and would be bringing VMT as an agenda item in the near future.

City Traffic Engineer Comments: Attachment A

TRAFFIC AND MOBILITY COMMISSION COMMENTS:

Motion by Commissioner Penseyres, seconded by Vice-chair Perez to put in the agenda for the next meeting to return to 3 p.m. T&MC meetings for as long as it continues to be virtual meetings.

Motion carried: 5/0/0/1 (Absent: Fowler)

Commissioner Penseyres inquired about the 2017 bicyclist crash in 2017 listed in the staff report near Levante and Anillo Way. Staff will look at the location to evaluate the potential conflict point and if needed, propose a potential solution.

Vice-Chair Perez gave a compliment to staff on the improvements at College Ave and El Camino Real, for bicyclists, as a bicyclist at that intersection. He asked and will email staff about the new park at the reservoir and the potential line of sight over the hill if that can be reviewed. He has received comments from the neighborhood near Sage Creek High School about the new drop off location and the back-up it is causing on the roadway.

Commissioner Linke gave several compliments to all aspects of the meeting, including the commission and public comments. He inquired about the Vehicle Miles Traveled analysis guidelines change. It would be nice for the commission to see the one major revision as listed in the report as a separate topic as soon as possible. Consider treating the TDM guidelines as a living document in the same manner as the Vehicle Miles Traveled analysis guidelines and consider making some changes immediately to improve the situation while we are looking at updates to the TDM handbook.

Commissioner Coelho appreciates everyone's efforts at this meeting and looks forward to working with all of them.

Chair Gocan has been working with Sage Creek and the district about e-bikes. On Carlsbad Village Drive at College Boulevard, the right turn is wide, the cars move over and the bikes are trying to get around. She recommends staff to pay attention to that and also noticed parents are parking at the bus stop and blocking the location for bikes.

Chair Gocan announced her resignation from the Traffic and Mobility Commission.

Transportation Director Frank thanked Chair Gocan for her service, her advocacy for school bike safety that can continue into the future, and most importantly, Happy Birthday!

ADJOURNMENT:

Chair Gocan adjourned the Traffic and Mobility Commission Meeting on Sept. 7, 2021, at 7:35 p.m.

Eliane Paiva

Eliane Paiva, Minutes Clerk



Minutes

Council Chambers
1200 Carlsbad Village Drive
Carlsbad, CA 92008

Oct. 3, 2022, 4:00 p.m.

CALL TO ORDER: 4:02 p.m.

ROLL CALL: Perez, Linke, Penseyres, Fowler, Coelho and Proulx
Absent: Newlands

PLEDGE OF ALLEGIANCE: Chair Perez led the Pledge of Allegiance

APPROVAL OF MINUTES:

Minutes of the Special Meeting held Aug. 18, 2022.

Motion by Vice-Chair Linke, seconded by Commissioner Proulx to approve the minutes of Aug. 18, 2022, meeting as presented. Motion carried, 6/0/0/1 (Absent: Commissioner Newlands)

Minutes of the Regular Meeting held Sept. 6, 2022.

Motion by Vice-Chair Linke, seconded by Commissioner Proulx to approve the minutes of Aug. 18, 2022, meeting as amended. Motion carried, 6/0/0/1 (Absent: Commissioner Newlands)

PUBLIC COMMENT:

Tim Morgan spoke about the intersection of Tamarack Avenue and Valley Street and its Phase II of the Traffic Calming Study. There was a lack of engagement and community involvement, and the HAWK signal is putting our community / neighbors in a dangerous situation.

Rod Hafeti spoke about speeding around Snug Harbor. The average speed limit noted during the study was over 40-mph in a 25-mph zone. He asked the Commission to consider traffic calming measures.

Brian Connor spoke about being proactive and requiring that the residents park their cars in the garage. Residents continue to leave many vehicles on the street, and this causes safety issues for pedestrians. Other cities enforce this issue and charge a permit fee to park vehicles on the street.

CONSENT CALENDAR:

Motion by Commissioner Vice-Chair Linke, seconded by Commissioner Proulx to approve Consent Item Nos. 1 and 2. Motion carried: 6/0/0/1 (Absent: Newlands)

1. EL CAMINO REAL ROADWAY IMPROVEMENTS FROM SUNNY CREEK ROAD TO JACKSPAR DRIVE, CAPITAL IMPROVEMENT PROGRAM PROJECT NO. 6094 – The Traffic & Mobility Commission supported staff's recommendation to approve the plans and specifications of the intersection improvements at El Camino Real from Sunny Creek Road to Jackspar Drive, Capital Improvement Program, or CIP, Project No. 6094.

Vice-Chair Linke inquired about the exception language on Item 1.

Associate Engineer Miles responded that the exception is the second paragraph background for green paint in the bike lane conflicts. We will be working with traffic to add green paint in the bike lane conflict areas.

2. EL CAMINO REAL ROADWAY IMPROVEMENTS FROM POINSETTIA LANE TO CAMINO VIDA ROBLE, CAPITAL IMPROVEMENT PROJECT NO. 6072 – The Traffic & Mobility Commission supported staff's recommendation to approve the plans and specifications of the intersection improvements at El Camino Real from Poinsettia Lane to Camino Vida Roble, Capital Improvement Program, or CIP, Project No. 6072.

DEPARTMENTAL REPORTS:

3. POLICE REPORT REGARDING TRAFFIC & MOBILITY-RELATED MATTERS DURING THE MONTH OF SEPTEMBER 2022 – Receive a presentation from a representative of the City of Carlsbad's Police Department that provide an overview of traffic and mobility-related police matters during the month of August 2022. (Staff Contact: Acting Sergeant George Zavala, Police Department)

Staff's Recommendation: Receive a presentation

Acting Sergeant Zavala presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk)

Commissioner Coelho asked how the Police Department collect the community concerns and how do they aggregate them so that they make the list shown in the presentation.

Acting Sergeant Zavala responded that they receive emails and phone calls from the community with the mentioned concerns.

Vice-Chair Linke inquired about the multiple bicycle fatalities that happened in the month of August and if the police department could share the information.

Acting Sergeant Zavala replied that one of the bicycle fatalities was caused by reckless driving. The investigations on both fatalities are still ongoing and have potential criminal processing and filing.

4. APPROVE PLUM TREE ROAD AS AN EXCEPTION INTO PHASE II OF THE CARLSBAD RESIDENTIAL TRAFFIC MANAGEMENT PROGRAM AND ALL-WAY STOP ANALYSIS AT THREE INTERSECTIONS –
 - 1) Approve Plum Tree Road as an exception to the Phase II of the Carlsbad Residential Traffic Management program.
 - 2) Support staff's recommendation to not install all-way stop on Plum Tree Road at Red Knot Street, Robinea Drive and Windflower Drive. (Staff Contact: Lindy Pham and Miriam Jim, Public Works)

Staff's Recommendation: Receive a presentation

Associate Engineer Pham and Senior Engineer Jim presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk)

Commissioner Coelho asked staff to elaborate on what it means to be in the Carlsbad Residential Traffic Management Program. What is the path we are on if we know that we are not installing all-way stops?

Associate Engineer Pham responded that the process is the following: during the neighborhood meetings, staff will present traffic calming strategies and other options that residents can consider such as speed cushions or a traffic circle. Staff will receive comments and then go back and finalize the conceptual plan and send out a survey to all the residents in the project area. The results of the survey will determine whether we move forward with the project or not.

Commissioner Proulx clarified that staff will go back and review other options for the area, and she inquired what is currently staff recommendation.

Associate Engineer Pham responded that staff is recommending that the commission grants approval of the exception into phase two of the Carlsbad Traffic Management Program. The critical speed is below the 32-mph threshold, so they are not currently eligible for any traffic calming measures.

Commissioner Fowler asked if speed cushions are the only option left.

Associate Engineer Pham said that speed cushions would be the most effective option in this area.

Vice-Chair Linke said that he supports the recommendation to approve the exception and added that speed cushions are self-enforcing, and this approach should be used on all of the residential streets that have speeding issues.

Chair Perez inquired about what speed cushion is compared to a speed bump.

Associate Engineer Pham responded that speed bumps are often found in commercial parking areas as they are narrower and more abrupt. Speed cushions are more gradual. They are about 12 feet wide and span the length of the roadway bed.

Commissioner Coelho commented that this is an opportunity to look beyond Plum Tree Road to get the change that we want at Poinsettia Park to enhance the conditions. Maybe add alternate entrances to the park, or striping on Paseo Del Norte.

Commissioner Penseyres commented that when we use the critical speed of 32-mph this still means that 15 percent of the people are driving faster than that. If residents are asking for solutions, then we need to look way beyond the 32-mph threshold. Speeding is the most common cause of serious injuries and fatalities on these residential streets.

Commissioner Proulx inquired about the distance between the two stop signs on Plum Tree Road.

Associate Engineer Pham responded that there is an intersection between the two stop signs and we don't have the distance noted in the presentation. Residents have complained that vehicles do not always stop at these stop signs. We will work with the residents to find a solution once they are accepted into the CRTMP.

Motion by Commissioner Coelho, seconded by Commissioner Proulx to approve staff recommendations for items 1 and 2. Motion carried: 6/0/0/1 (Absent: Newlands)

5. PRESENTATION ABOUT COMPLETE STREETS IN CARLSBAD AND ACTIONS TAKEN SINCE THE AUG. 23, 2022, PROCLAMATION OF A LOCAL TRAFFIC SAFETY EMERGENCY - Receive a presentation about complete streets in Carlsbad and actions taken since the Aug. 23, 2022, proclamation of a local traffic safety emergency. (Staff Contact: Tom Frank, Public Works)

Staff's Recommendation: Receive a presentation

Transportation Director Frank presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk)

Chair Perez asked staff to go over the process of what will happen at the meeting being held on Oct. 27, 2022.

Transportation Director Frank said that the meeting on Oct. 27, will be a commissioners meeting. There are 44 options on attachment A for consideration. We will be looking for your recommendations for City Council.

Chair Perez inquired if they ask questions about the 44 options presented.

Transportation Director Frank says that yes, the commission can ask questions on the options.

Commissioner Coelho asked how this will overlay with City Council's meetings and their timeline?

Transportation Director Frank responded that City Council directed staff to get the public input as well as the Planning Commission and the Traffic & Mobility Commission. On Nov. 8, 2022, staff will present the recommendations received from the Planning Commission, the Traffic & Mobility Commission and from the public to the City Council.

Commissioner Coelho asked if the intent is to review all 44 items and provide a recommendation or to provide a recommendation on all 44 items?

Transportation Director Frank responded that it is to review the options and provide recommendations to the City Council.

Commissioner Proulx asked about education, engineering and enforcement, the three E's. Assuming that relates to the comments which show changing laws, controlling speed and more enforcement. It looks like change laws is not part of the three E's. Did this come out of the community input?

Transportation Director Frank said that was part of the communications input effort which was used to tailor the approach for the three E's.

Commissioner Proulx asked how staff will accommodate the change laws suggestion.

Transportation Director Frank said that will be covered under the enforcement efforts.

Commissioner Penseyres inquired about Assembly Bill 43 if it is already in effect.

Transportation Director Frank said that he does not have this information about Assembly Bill 43 which provides cities more flexibility to set their speed limits on their residential roadways. Cities would not have to comply with the 85-percentile rule. We are reviewing what a work plan would look like to review the speed limits throughout the city.

Commissioner Penseyres inquired if staff are monitoring driver behavior before and after to see how they are responding to the green paint?

Transportation Director Frank said that he does not believe staff have gone out to do an evaluation of traffic operations since we have put down the recent green markings. It is something that we will be looking at in the future.

Commissioner Penseyres said that one of the projects was to consider rumble strips. The rumble strips would be installed where there are buffered bike lanes. The rumble strips would be on the inner stripe of the buffer. Is that correct? How did you decide to make it the inner stripe versus the outer stripe?

Transportation Director Frank said this is correct and would be for higher speed roadways. It is something that could be considered and would be brought in front of the public for discussion. We would reach out to the bicycle clubs for input as well. The rumble strip would be inside of the outer bike lane stripe. It is the bike lane stripe on the inside closest to the vehicle. The intent is to notify the driver if they are weaving over the initial bike lane line. It also provides more room for the bicyclists to ride side by side if they choose to.

Vice-Chair Linke asked about whether the staff plans to present any aspect of this plan to City Council again before the meeting on Nov. 8, 2022.

Transportation Director Frank said that staff is required as part of the emergency proclamation to go back to City Council every 60 days. They will be going back to City Council on Oct 18, 2022, and he is sure there will be some mention of the actions taken as part of the Safer Streets Together Program. City Council has already acted on Option A which is moving forward. City Council will be considering options in addition to Option A on Nov. 8, 2022.

Vice-Chair Linke asked about one of the aspects of Option A which is vision zero commitment. Can staff present to us what that commitment actually entails at the next meeting. As an example, on the vision zero website it says the absolute core strategy focuses in on speeds. The goal is for all non-arterial streets to have a speed limit of 20-mph. On arterial streets the absolute limit should be 30 to 35-mph. It is a step too far to say that all arterial streets should have a speed limit of 30 to 35-mph. In the absence of making that the speed limit on arterial streets it is to have protected bike lanes with physical barriers and automated speed enforcement. What is the goal for our arterial streets as far as the speed limit, the installation of protected bike lanes and the installation of the automated speed enforcement?

Deputy City Manager Gomez responded that at the City Council meeting they discussed Vision Zero. The intent is for staff to return with a draft resolution supporting the Vision Zero concept and then City Council will task and direct staff to come back with an action plan on how we are going to move forward. It is in concept at this point and there won't be any additional information by the Oct. 27, meeting. City Council

has indicated that they want staff to move forward with Vision Zero and staff will look at that and will be asking for assistance on developing the plan.

Vice-Chair Linke asked if the Traffic and Mobility Commission will have a chance to review the resolution on Oct 27, special meeting before it goes before City Council.

Transportation Director Frank responded that there is no time schedule given for staff to return to address the Vision Zero resolution. The local agency gets to tailor their own Vision Zero program and therefore changing speed limits on Palomar Airport Road and El Camino Real down to 35-mph would be a serious consideration. He does not see the community getting behind that change. Staff will look at what makes sense for City of Carlsbad.

Deputy City Manager Gomez said that on the special meeting on Oct. 27, the Traffic and Mobility Commission will have the ability to weigh in on what they would like to see for the City of Carlsbad.

Commissioner Coelho asked if each segment of road will be evaluated individually for Vision Zero and hopes that we are not just going to blanket the entire city with one speed limit.

Commissioner Proulx said that she also viewed the website and understands that Vision Zero are strategies that we can implement within the city and not specific ideas that we have to implement. We can do what works within our community. Are we looking to hire a consultant to write this plan?

Vice-Chair Linke asked if Option C could be considered without the \$44 Million school bussing program? In his opinion, speed cushions and access plans would be more effective than crosswalks.

Deputy City Manager Gomez said the questions should be deferred until the special meeting.

CITY TRAFFIC ENGINEER COMMENTS:

Transportation Planning and Mobility Manager Schmidt said last week he sent out an email outlining the process for the Commissioners to agendaize an item. There are three opportunities for bike training this month. On Oct. 4, there is a Smart Cycling Class being held virtually from 6:00 pm – 9:00 pm.

You can register through the San Diego County Bike Coalition.

On Oct 15, there is Smart City Cycling and that is in the city of Encinitas. This is an abbreviated course from 9:00 a.m. to 12:00 pm.

On Oct 18, there is a bicycle friendly driver course virtually from 12:00 pm – 1:00 pm.

On Oct 25, is the Annual Boards and Commissioners Event and he encourages everyone to attend to celebrate their hard work.

TRAFFIC AND MOBILITY COMMISSION COMMENTS:

Commissioner Penseyres said they had a Smart Cycling class for the City of Carlsbad Police Department this past week. The intent is for these police officers to go on and take a league certified seminar so they can become instructors and teach others.

Vice-Chair Linke brought up the public comment on Valley Street and Tamarack Avenue and inquired if staff has an update. There was a promise that staff would evaluate how it is working. Are there any

metrics that will be used to evaluate how well it is working?

Transportation Director Frank said that staff has committed to a three-phase approach to addressing traffic concerns at the intersection of Tamarack Avenue and Valley Street. You heard about Phase A which we are moving forward with. We have a public meeting scheduled for next week to assess the speeding between Skyline Drive and Adams Street. The second phase is addressing the traffic signal and intersection improvements that are nearly complete. What staff committed to was returning to the Traffic and Mobility Commission within six months of completion of those improvements. We will be analyzing what will be included in that study which will be both quantitative and qualitative. We will review what operations have taken place. The third phase is what we consider our transformative project on Tamarack Avenue and that is following our Sustainable Mobility Plan. That is not going to be worked on until the next fiscal year due to staff's workload. There will be plenty of public outreach opportunities. We have been addressing some construction related issues tied to the improvements and are working with our existing contractor and staff to alleviate some of these concerns.

Vice-Chair Linke brought up the other public comment about speeding in Snug Harbor. Is there an update on this issue?

Transportation Director Frank said staff will follow-up on that.

Vice-Chair Linke inquired if there is an update on the Multi-Modal Level of Service since the last meeting of the Ad-Hoc Committee meeting on Aug. 3, 2022.

Transportation Planning and Mobility Manager Schmidt replied that the consultant is updating the tool and performing the field work analysis. Once completed they will have another ad-hoc committee meeting to present the results and consequently bring to the Traffic and Mobility Commission.

Commissioner Penseyres asked to see the results in advance to have time to look at what is being done and provide feedback. He said something good to come out of the City Council meeting last week is that they want to give the Traffic and Mobility Commission about a month to review all the documents. Do we know how soon before the meeting that we will have the information in front of us?

Transportation Planning and Mobility Manager Schmidt said that he can commit to provide the ad-hoc Committee a sufficient amount of time to review the results.

Vice-Chair Linke wants to remind everyone about the Communication Plan. It says when City Staff plans to bring forward an item related to the Work Plan for action to the Planning Commission or the City Council, staff will seek an advisory recommendation from the Commission beforehand. He says the plan they were presented today falls under the Traffic and Mobility Commissions duties and we should be reviewing it and in contact with some of the City Council members. Staff then decided to bring it to the Traffic and Mobility Commission as an information only item but not for feedback. The City Council has since voted to have us review it. He is frustrated as when he first joined the Traffic and Mobility Commission three years ago they were being bypassed on the most significant issues. He feels we are reverting back to that and that there are a lot of issues that we have been bypassed on. Staff has gone directly to City Council with items that are on our Work Plan. We need to get back to the point where our Commission is reviewing these items.

Chair Perez commented on the pedestrian bridge between Cannon Road and El Camino Real that is operational, and it is beautiful. Lastly, schools are working on sustainability. For Hope Elementary, is there something we can do about idle parking? Is there something we can do to bring attention to this issue? Can we provide information on this or on greenhouse gas?

Transportation Director Frank said that staff are working with Hope Elementary to develop their safe routes to school and access plan. Please let us know of any specific people you are talking with that we can reach out to about the idle parking.

ADJOURNMENT:

Chair Perez adjourned the Traffic & Mobility Commission Special Meeting on Oct. 3, 2022, at 6:30 p.m.



Eliane Paiva, Minutes Clerk



PLANNING COMMISSION

Minutes

May 3, 2023- *Amended***CALL TO ORDER:** 5:01 p.m.**ROLL CALL:** Hubinger, Kamenjarin, Lafferty, Meenes, Stine, Sabellico, and Merz**PLEDGE OF ALLEGIANCE:** Commissioner Hubinger led the Pledge of Allegiance.**APPROVAL OF MINUTES:**

Minutes of the Regular Meeting held on April 5, 2023

Minutes of the Regular Meeting held on April 19, 2023

Motion by Commissioner Meenes, seconded by Commissioner Kamenjarin, to approve the minutes of the Regular Meeting held April 5, 2023, 6/0/1. (Hubinger – Abstain).

Motion by Commissioner Stine, seconded by Commissioner Kamenjarin, to approve the minutes of the Regular Meeting held April 19, 2023, 7/0.

PUBLIC COMMENT:

Lance Schulte discussed his experience in the field of city planning and made comments related to community input.

CONSENT CALENDAR: None.

At the request of Chair Merz, Item #4 was moved to the end of the agenda.

PUBLIC HEARINGS:

This item was continued from the April 19, 2023, Planning Commission Regular Meeting.

- 1. CDP 2021-0056/V 2021-0003 (DEV2021-0227) – EDWARDS RESIDENCE** - Adoption of a resolution approving a coastal development permit and minor variance to allow for the demolition of an existing single-family residence and construction of a new 3,277-square-foot, three-story single-family residence with a 537-square-foot attached accessory dwelling unit (under a separate coastal development permit) and attached two-car garage and a front yard setback reduction of five feet and a rear yard setback reduction of one foot six inches, within the Mello II Segment of the city's Local Coastal Program located at 2669 Garfield Street within Local Facilities Management Zone 1.

ACTION TYPE: Quasi-judicial**STAFF RECOMMENDATION:** Adopt the resolution.**PLANNER:** Eric Lardy **ENGINEER:** Nichole Fine

City Planner Eric Lardy introduced and reviewed the PowerPoint presentation (on file in the Office of the City Clerk) addressing the concerns that were raised in the last meeting,

At Chairperson Merz request, the following Commissioner provided his additional disclosure:

- Commissioner Sabellico disclosed that he visited the site with special attention to the ocean view.

Commissioner Lafferty expressed concerns that approving this could be setting a bad precedent and she cannot support this item.

City planner Lardy responded to Commissioner Lafferty's comments noting the variance discussed and the alternative design streets policy are two different issues and indicated that if City Council recommends that the alternative design streets policy be re-evaluated, they will do so at that time.

Commissioner Lafferty offered to share the APA's Planning for Equity Policy Guide with the other members of the Commission adding that perhaps the Commission should consider policies from there.

In response to Commissioner Lafferty's inquiry about the impact of building this home without the variance, Applicant Sam Wright responded that the City would be restricting a homeowner from building a home similar in value to their neighbors noting that most homes on that street have the 15-foot front yard setback.

The applicant's Civil Engineer, John Strominger, added that the city required the developer to design streets that facilitate future construction of future street improvements like sidewalks.

Chair Merz opened the public testimony at 5:25 p.m. and asked if there were any members of the public who wished to speak on the project.

Seeing no one else wishing to speak, Chair Merz closed the public testimony at 5:26 p.m.

In response to Commissioner **Stine's** request for confirmation that there is no reason to suspect that the applicant's statement regarding the 15-foot setbacks in the neighborhood is not accurate, Commissioner Lafferty pointed out that the corner house on the Google maps picture has sidewalks and a 15-foot setback and City Planner Lardy added that staff has no reason to believe the statement is inaccurate.

Commissioner discussion began.

Commissioner Stine, Commissioner Meenes and Chair Merz expressed their support for this project.

Motion by Commissioner Meenes, seconded by Commissioner Sabellico, to adopt Resolution No.7478. Motion carried, 6/1 (Lafferty No).

Chair Merz closed the public hearing at 5:32 p.m.

2. **CDP 2022-0052 (DEV2022-0013) – KANTER RESIDENCE** – Adoption of a resolution recommending approval of a coastal development permit for the construction of a two-story, 615-square-foot addition and a 402-square-foot second story deck to an existing single-family residence within the Mello II Segment of the city’s Local Coastal Program located at 7249 Mimosa Drive within Local Facilities Management Zone 6.

ACTION TYPE: Quasi-judicial

STAFF RECOMMENDATION: Adopt the resolution.

PLANNER: Lauren Yzaguirre **ENGINEER:** Nichole Fine

Chair Merz opened the duly noticed public hearing at 5:33p.m.

City Planner Eric Lardy introduced the item and announced that Associate Planner Lauren Yzaguirre will not be making a presentation, but that she is available for questions.

At Chair Merz’s request, the following Commissioners made disclosures as follows:

- Commissioner Hubinger drove by the site
- Commissioner Kamenjarin drove by and walked the area
- Commissioner Meenes drove by and walked the site
- Commissioner Stine drove by the site
- Commissioner Sabellico drove by the site
- Chairperson Merz drove by the site

In response to Chair Merz’s inquiry as to whether construction had begun on the project, Associate Planner Yzaguirre confirmed that it had but was halted due to the need for an updated permit requirement which is why this item is before the Commission.

In response to Commissioner Lafferty’s question, Associate Planner Yzaguirre responded that the applicant had a permit to start construction legally, but a plan/construction change required them to stop construction and update their application from a Minor Coastal Development Permit to a Major Coastal Development Permit.

In response to Commissioner Stine’s inquiry, Associate Planner Yzaguirre confirmed that there are no scenic corridor issues with this project.

Chair Merz opened the public testimony at 5:38 p.m. and asked if there were any members of the public who wished to speak on the item.

Seeing none, Chair Merz closed public testimony at 5:39 p.m.

Motion by Commissioner Meenes, seconded by Commissioner Stine, to adopt Resolution No. 7479. Motion carried, 7/0.

Chair Merz closed the public hearing at 5:40 p.m.

3. **CDP 2023-0010 - AVENIDA ENCINAS COASTAL RAIL TRAIL AND PEDESTRIAN IMPROVEMENTS** – Adoption of a resolution approving a coastal development permit for

Avenida Encinas Coastal Rail Trail improvements on property generally located along Avenida Encinas Road between Poinsettia Lane and Windrose Circle in Local Facilities Management Zones 9 and 22.

ACTION TYPE: Quasi-judicial

STAFF RECOMMENDATION: Adopt the resolution.

PLANNER: Izzak Mireles

ENGINEER: Emad Elias

Chair Merz opened the duly noticed public hearing at 5:40 p.m.

City Planner Eric Lardy introduced the item and Associate Planner Izzak Mireles who reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

At Chair Merz's request, the following Commissioners made disclosures as follows:

- Commissioner Stine walked by the project
- Commissioner Meenes walked the site
- Commissioner Lafferty indicated familiarity with the site
- Commissioner Kamenjarin has driven by the site
- Chair Merz has driven by the site
- Commissioner Sabellico has driven the site many times

In response to Commissioner Meenes' inquiry regarding loss of service (LOS) remaining an A category, Associate Planner Mireles explained that the General Plan and mobility element claim is that a certain level of service needs to be maintained. He added that in this case the vehicles that travel in north and southbound lanes will not be changed with the addition of the bicycle lanes.

Chair Merz opened the public testimony at 5:45 p.m.

Chaz Wick expressed his support for the project and requested more safety precautions for pedestrians in the corridor.

Chairperson Merz closed the public testimony at 5:48 p.m.

In response to Commissioner Meenes' request for information on improvements included in the project, Associate Engineer Brandon Miles responded with a list of improvements the City has made, based on its research in the area including enhanced crosswalks, other pedestrian/safety improvements and traffic slowing measures including narrowing streets.

In response to Commissioner Stine's question if there are plans to improve the Windsor Circle crosswalk mentioned in the public comment, Associate Engineer Miles explained the improvements that are already planned for the crosswalk.

In response an inquiry by Commissioner Lafferty, City Planner Lardy explained that this project design and construction contract was approved by the City Council based on conversations with the Coastal Commission. Mr. Lardy added that since the project changes

capacity of the roadway, staff are processing the Coastal Development Permit prior to construction.

Commissioner Stine expressed support this project adding that it is a good public safety measure.

Commissioner Sabellico concurred, adding that he appreciates the city's commitment to safety.

Motion by Commissioner Stine, seconded by Commissioner Meenes, to adopt Resolution No. 7480. Motion carried, 7/0.

Chair Merz closed the public hearing at 5:56pm.

5. **CDP 2022-0019/V 2022-0002 (DEV 2022-0005) – HOM RESIDENCE: RETAINING WALL VARIANCE** – Adoption of a resolution recommending approval of a coastal development permit and variance to allow an unpermitted retaining wall system and wood deck that exceeds standards on a manufactured uphill perimeter slope with a gradient greater than 40 percent and an elevation differential of greater than fifteen feet on property located at 2170 Twain Avenue within the Mello II Segment of the city's Local Coastal Program and Local Facilities Management Zone .

ACTION TYPE: Quasi-judicial

STAFF RECOMMENDATION: Adopt the resolution.

PLANNER: Kyle Van Leeuwen **ENGINEER:** Allison McLaughlin

Chair Merz opened the duly noticed public hearing at 5:57 p.m.

At Chair Merz's request, the following Commissioners made disclosures as follows:

- Commissioner Stine drove by the property, parked & walked the area
- Commissioner Meenes drove by the site and walked the side street
- Commissioner Kamenjarin drove by the property
- Chair Merz visited site and looked over the fence

City Planner Eric Lardy introduced the item and Planner Kyle Van Leeuwen who reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

In response to Commissioner Meenes' question about the City being able to discern if the integrity of the walls completed follow City regulations, Associate Planner Kyle Van Leeuwen explained that the soil and the retaining wall were tested on multiple occasions, and staff can say confidently that it is safe and built to a certain level of standards. Mr. Van Leeuwen added that the City used an outside evaluator for geological stability as an additional measure for stability.

In response to Commissioner Stine's inquiry, Planner Van Leeuwen confirmed that the property owners halted construction upon learning they did not have a permit and have been cooperative through the entire process.

In response to Commissioner Lafferty's question, Associate Planner Van Leeuwen explained that this was an unusual circumstance where the contractor misled the residents and as far as informing Carlsbad residents in general, the City staff does the best they can to explain regulations to applicants. Mr. Van Leeuwen added that this is a well-known section of our code for planners who work the counter and typically people do come in and ask clarifying questions.

Applicant's representative Paul Klukkas spoke in support of the Homs and reiterated the information provided by Associate City Planner Van Leeuwen.

Chair Merz opened the public testimony at 6:23p.m.

The following individuals spoke in support of the project: Ray Patchett, Robert Hom, Ivan Mendelson, Daniel Toro.

Chair Merz asked if there were any more members of the public who wished to speak on the project. Hearing no one else wishing to speak, he closed the public testimony at 6:33pm.

In response to Commissioner Stine's question as to whether staff received any comments in opposition to this application, Associate Planner Van Leeuwen replied no.

Commissioner Stine explained he will support the variance.

Motion by Commissioner Meenes, seconded by Commissioner Stine, to adopt Resolution No. 7483. Motion carried, 7/0.

Chair Merz closed the public hearing at 6:40 p.m.

6. **CDP 2021-0044/HDP 2022-0008/SUP 2021-0002/SUP 2022-0002 (PUB 2020-0009) – EL CAMINO REAL ROAD WIDENING** - Adoption of a resolution recommending approval of a coastal development permit, hillside development permit, special use permit – floodplain, and special use permit – El Camino Real, and a waiver of General Plan Open Space Policy 4-p.6 to allow for road improvements along El Camino Real for property generally located within the public rights-of-way on El Camino Real from Jackspar Drive to Sunny Creek Road, within Local Facilities Management Zone 15.

ACTION TYPE: Quasi-judicial

STAFF RECOMMENDATION: Adopt the resolution.

PLANNER: Izzak Mireles

ENGINEER: Tim Carroll

Chair Merz opened the duly noticed public hearing at 6:42 p.m.

Commissioner Sabellico recused himself because he lives in a community that uses that intersection regularly.

At Chair Merz's request, the following Commissioners made disclosures as follows:

- Commissioner Lafferty is familiar with the site and researched historic registry
- Commissioner Stine is familiar with site and drives by regularly
- Commissioner Meenes is familiar with site and drives by regularly
- Commissioner Hubinger is familiar with site and has driven by many times
- Chair Merz is familiar with site and drives by regularly

City Planner Eric Lardy introduced the item and Associate Planner Izzak Mireles made the staff PowerPoint presentation (on file in the Office of the City Clerk).

Associate Engineer Brandon Miles responded to Commissioner Meenes that City Council directed staff to move forward with improvements without waiting for a developer to assist with the cost.

Associate Planner Mireles responded to Commissioner Stine that there were questions but no opposition to this project.

Engineering Manager Jason Geldert replied to Commissioner Lafferty's preservation concerns by explaining that this is a low vibration work zone. He explained that with this type of grading it is not necessary to measure since no extra amount of vibration is going on. He added that experience and understanding of how vibrations effect construction informs staff that there is no threat to adobes from this project.

Chair Merz asked if there were any members of the public who wished to speak on the project. Seeing none, he opened and closed public testimony at 6:58 p.m.

Motion by Commissioner Kamenjarin, seconded by Commissioner Hubinger, to adopt Resolution No. 7484. Motion carried, 6/1 (Sabellico – Absent).

Chair Merz closed the public hearing at 7 p.m.

Chair Merz called for a 5-minute break at 7 p.m.

Chair Merz called the meeting back to order at 7:08 p.m.

4. **SDP2022-0003, CDP2022-0023, and PCD2023-0001 (DEV2022-0048) – FPC RESIDENTIAL - 1)** Adoption of a resolution denying the appeal and upholding the City Planners' determination that the project is exempt from the California Environmental Quality Act; and 2) Adoption of a resolution approving a site development plan and a coastal development permit to consolidate three parcels of land, demo an existing self-storage facility, former junkyard, and two abandoned structures, and construct 86 two- and three-story multiple-family residential apartments on a 4.64 acre property located at 7200, 7290, and 7294 Ponto Drive in the southwest quadrant of the city and Local Facilities Management Zone 22.

ACTION TYPE: Quasi-judicial

STAFF RECOMMENDATION: Adopt the resolutions.

PLANNER: Jason Goff **ENGINEER:** Allison McLaughlin

Chair Merz recused himself from Item No. 4 due to a potential conflict of interest since he is a partner at Lee & Associates, the commercial real estate firm involved with both the seller and the buyer of a certain parcel of the project.

In the absence of Chair Merz, Vice-Chair Sabellico acted as chair for the item.

City Planner Lardy reviewed the appeal hearing procedures.

Vice-Chair Sabellico opened the duly noticed public hearing at 7:10 p.m.

At Vice-Chair Sabellico's request, the following Commissioners made disclosures as follows:

- Commissioner Stine indicated familiarity with the site, has walked perimeter and surrounding areas
- Commissioner Meenes drove and walked perimeter of the site on Ponto
- Commissioner Lafferty drove by the site
- Commissioner Kamenjarin indicated familiarity with the site
- Commissioner Hubinger indicated familiarity with the site
- Commissioner Sabellico visited the site and is familiar with someone who is speaking on behalf of the applicant adding that he will still be fair and impartial

Upon Commissioner Meenes' request, Senior Assistant City Attorney Ronald Kemp reminded the Commission that the role of the Planning Commission is to assure that all the land use decisions are consistent with the policies plans and ordinances adopted by the City Council, state and federal law. Additionally, Mr. Kemp reminded the Commissioners about the Housing Accountability Act to encourage local jurisdictions on housing that directs Committees to approve housing projects unless they pose a safety or health threat that cannot be mitigated.

City Planner Eric Lardy introduced the item and Senior Planner Jason Goff reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

In response to Commissioner Lafferty's inquiry as to the sequence of consideration for this appeal, Senior Assistant City Attorney Kemp recommended that Commissioners consider the appeal of the City Planner's determination first because if the City Planner's determination is upheld, the Commission can go on to consider the project. Mr. Kemp added that if it is determined that the appellant is correct, then there is no environmental finding, and it would be sent back to staff.

In response to Commissioner Lafferty's inquiry as to whether there was documentation of the remediation and if there was a biological report done, Planner Goff responded that there was a biological report.

In response to Commissioner Lafferty's question about the most recent Environmental Impact Report (EIR) City Planner Eric Lardy responded that the 2015 EIR studied the city comprehensively, but that the determination did not rely on that for the exemption. Mr. Lardy added that this exemption could have occurred regardless of that EIR.

In response to Commissioner Lafferty's question as to whether the City has been to the site for analysis, City Planner Lardy explained that no, the analysis looked at the databases available that would list sites with hazardous materials, and nothing was identified on the site.

The applicant, David Gatsky of H.G. Fenton Company, conducted a PowerPoint presentation of the FPC Residential project. (On file in the Office of the City Clerk.)

In response to Commissioner Stine's request for more information regarding the amenities and open space this project offers, Mr. Gatsky replied with a review of that section of the slide show and reaffirmed the developers goal is to provide the residents with some type of park like amenities with the open space and places to play.

In response to Commissioner Stine's comment regarding the community's request for park dedication, the developer discussed the community engagement they did in the neighborhood around the topic and explained the City Council has decided that what they want to do to serve residents within this facilities management zone, in this part of the city, is to collect a fee to support parks located elsewhere. The developer added that this is consistent with the facilities plan.

In response to Commissioner Lafferty's inquiry regarding the necessity of reduced setbacks, Mr. Gatsky responded that setback reductions are proposed along the street frontage because they wanted to create a strong street scene and neighborly atmosphere.

Commissioner Lafferty acknowledged the gas line was another constraint and requested an explanation since the setbacks are 7,000 square feet when there is 64,000 square feet of open space. Mr. Gatsky added that the developer found that to be the best compromise since it would allow the developer to create private, usable, open space in the rear yards.

In response to Commissioner Lafferty's questions about why there are only 13 low-income units being provided, not 20, Mr. Gatsky explained that the developer meets the requirements with 15% of the 86 units provided being affordable. Mr. Gatsky added that if the developer offered more units, then the low-income number of units offered would also increase.

Senior Assistant City Attorney Kemp added that the setbacks in question are a waiver under density bonus law, which is something the City is required to give in return for the density bonus.

In response to Commissioner Sabellico's question about a fence in between residences and the rail on the easter edge of the project, Mr. Gatsky replied in the affirmative and added that the wall will provide safety as well as sound and vibration protection.

Vice Chair Sabellico directed the appellant, Mr. Lance Schulte to begin his PowerPoint presentation appealing the Planning Commission's decision to move forward with this project (on file in the Office of the City Clerk).

City Planner Lardy responded to Mr. Schulte's appeal to the project in a PowerPoint presentation (on file in the Office of the City Clerk).

Vice Chair Sabellico invited the appellant to the podium for questions.

In response to Commissioner **Stine's** request for clarification of the gas line, Sr. Planner Goff confirmed that it runs up the spine of the project.

In response to Commissioner Stine's question regarding the validity of the applicant's studies, Mr. Schulte explained state law and case law dictate that the studies need to be done publicly and the applicant's studies were not.

In response to Commissioner Stine's request for the Senior Assistant City Attorney Kemp's opinion on Mr. Schulte's last comment regarding applicant studies; Mr. Kemp emphasized that the infill exemption requires the Planning Commissioners to consider if the project does result in any significant effects in the area relating to traffic, noise, air quality or water quality. Mr. Kemp added it is a part of 15332 and he also mentioned he is not aware of any case law that makes conducting studies a violation of CEQA.

In response to Commissioner Stine's question regarding the distance to Poinsettia Park, Mr. Schulte agreed it is 2.5 miles from the site of this project and added that a freeway must be crossed to get there.

In response to Commissioner Sabellico's question if a CEQA exemption is ever justified, Mr. Schulte responded that he does think they are justified when the answer is clear that there is no threat to the environment.

Commissioner Stine asked if Mr. Schulte is arguing that **the Planning Commission, must impose a park requirement on this project.** Mr. Schulte responded yes.

Senior City Attorney Kemp added that the section Mr. Schulte referenced, 20.44 of the Carlsbad Municipal Code does not apply. Mr. Kemp argued the City can require the developer to pay park in lieu fees, so the Planning Commission does not have the ability to require a dedication of park land for this site.

In response to Commissioner Stine's inquiry regarding the claim this project is piecemealed, Mr. Schulte explained the Ponto site 18 project overlays and expands upon the boundaries of this project. Mr. Schulte argued that when the City takes that six-acre project that's not exempt from CEQA and the City makes it a 5 acre project it has been piecemealed. In response to this comment, City Planner Lardy added there are no private discretionary applications that are pending or overlay this project and these three parcels did not have any boundary adjustments. City Planner Lardy also added that the 4.6 acres was what was included in the original application.

In response to Commissioner Lafferty's request for clarification regarding the visitor commercial zone not being a part of this, City Planner Lardy explained this is a split designation zone and that this project is on 3 parcels and was submitted for residential use.

In response to Commissioner Lafferty's inquiry as to how the project will impact the recently approved road reduction and lack of commercial properties nearby this site, City Planner Lardy responded that now CEQA studies Vehicles Miles Traveled (VMT) and California Pollution Officers Association (CAPCOA), which is essentially the air pollution control office association that sets forth guidelines of types of developments that they see, and the studies have shown that higher density and low income, especially in areas such as Carlsbad, that have major job centers, does tend to reduce VMT.

In response to Engineering Manager Jason Geldert's question, Assistant City Attorney Kemp reiterated that staff and the Commission are confined to what was raised in the appeal and further clarified that if staff and Commissioners in evaluating this, think that what Mr. Schulte has now said is not what is in the appeal, then the Planning Commission does not need to consider it in their evaluation. Senior Assistant City Attorney Kemp also addressed the unusual circumstance discussed earlier which is the 10-inch pipeline running through the middle of the project. Mr. Kemp explained that the significance of making that statement is they're pointing to 15300.2, which is the exemption to the exemption. Mr. Kemp continued to explain that basically, the Commission needs to consider if someone says a 10-inch pipeline on your property is an unusual circumstance you need to consider it by substantial evidence. Mr. Kemp added that further consideration should be given to whether the appellant has testimony, comparisons or other evidence with regards to the unusual circumstances that will have an impact on the environment.

Vice Chair Sabellico opened public testimony at 8:57 p.m.

The following individuals spoke in opposition to the project: Kathleen Steindlberger, William Rouch, Dale Ordas, Dolores Welty.

The following individuals spoke in support of the project: Bret Schazenbach, Eric Brovold, Andrew Becht, Stacie Green, Jason Santos, Michael McSweeney, Hale Richardson and Heather Riley.

Speaker Chas Wick requested that the developer build a park for the residents nearby.

Vice Chair Sabellico reopened the public testimony at 9:14 p.m. to add the following 15 residents' names who submitted speaker cards to the record in support of the project but did not wish to speak at the hearing: Ruben Caballos, Mary Chaparro, Emilie Colwell, Tadd Dolfo, Constance Gaughan, Shannon Gaunt, Rhiann Haymes, Whitney Hodges, Anisa Kremer, Toni McMahon, William Morrison, Jeff O'Conner, Angie Ortiz, Chris Rosink, Nicole Weiman.

Vice Chair Sabellico closed the public testimony at 9:16 p.m.

Commissioner Stine, Vice Chair Sabellico, Commissioners Meenes and Kamenjarin expressed their support of the project and staff's recommendation.

Motion by Commissioner Meenes, seconded by Commissioner Stine to adopt Resolution No 7481. Motion carried, 6/0/1 (Merz – Absent).

Vice Chair Sabellico, Commissioner Stine, Commissioner Meenes and Commissioner Kamenjarin expressed his support for the rest of staff's recommendations.

Motion by Commissioner Stine, seconded by Commissioner Meenes to adopt Resolution No. 7482. Motion carried, 6/0/1 (Merz – Absent).

PLANNING COMMISSION REPORTS/COMMENTS:

In response to Commissioner Lafferty's question regarding if the Commission is supposed to end meetings in four hours, Senior Assistant City Attorney Kemp responded that he did not find anything in the City's Municipal Code dictating that.

Commissioner Lafferty announced that the next Historic Preservation meeting will be held Monday, May 8, 2023.

Commissioner Stine informed the Commission that the Growth Management Citizen's Committee has completed its work and there will be a report consistent with The City's determinations on performance standards going to the City Council.

CITY PLANNER REPORTS: None.

CITY ATTORNEY REPORTS: None.

ADJOURNMENT:

Vice Chair Sabellico adjourned the duly noticed meeting at 9:35 p.m.

Cynthia Vigeland

Cynthia Vigeland
Administrative Secretary

Sept. 26, 2023, 5 p.m.

CALL TO ORDER: 5 p.m.

ROLL CALL: Blackburn, Bhat-Patel, Acosta, Burkholder, Luna.

ANNOUNCEMENT OF CONCURRENT MEETINGS: None.

PLEDGE OF ALLEGIANCE: Assistant City Manager Geoff Patnoe led the Pledge of Allegiance.

APPROVAL OF MINUTES:

Minutes of the Special Meeting held Aug. 22, 2023

Minutes of the Special Meeting held Aug. 29, 2023

Minutes of the Special Meeting held Sept. 12, 2023

Minutes of the Special Meeting held Sept. 14, 2023

Motion by Mayor Pro Tem Bhat-Patel, seconded by Council Member Acosta, to approve the minutes as presented. Motion carried unanimously, 5/0.

PRESENTATIONS:

Proclamation in recognition of Public Safety Month

Mayor Blackburn read the proclamation. Assistant Fire Marshal Darcy Davidson, Police Chief Mickey Williams, and Public Works Facility Assistant Jose Estrada said a few words.

PUBLIC COMMENT:

Mary Lucid spoke regarding the operational hours of the library.

Paige DeCino spoke regarding building electrification.

Lynda Daniels spoke regarding building electrification.

Raul Villamar voiced his concerns regarding the low income housing and roundabout in his neighborhood.

PUBLIC REPORT OF ANY ACTION TAKEN IN CLOSED SESSION: None.

CONSENT CALENDAR:

Motion by Mayor Pro Tem Bhat-Patel, seconded by Council Member Acosta, to approve Consent Calendar Item Nos. 1 through 4. Motion carried unanimously, 5/0.

1. LOAN AGREEMENT WITH THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD FOR FUNDING FOR THE WASTEWATER SUPERVISORY CONTROL AND DATA ACQUISITION PROJECT
Adoption of Resolution No. 2023-241 approving a loan agreement with the California State

Water Resources Control Board for funding the Wastewater Supervisory Control and Data Acquisition Project. (Staff contact: Vicki Quiram and Shoshana Aguilar, Public Works Department)

2. AGREEMENT WITH SCHNEIDER CM TO PROVIDE CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE VETERANS MEMORIAL PARK PROJECT (CIP PROJECT NO. 4609) – Adoption of Resolution No. 2023-242 approving a professional service agreement with Schneider CM for construction management and inspection services for the Veterans Memorial Park Project, in an amount not to exceed \$1,390,164. (Staff contact: Steven Didier, Public Works Department)
3. ACCEPTING THE FISCAL YEAR 2023-24 ALCOHOL POLICING PARTNERSHIP GRANT – Adoption of Resolution No. 2023-243 authorizing the City Manager to execute an agreement with the California Department of Alcoholic Beverage Control to accept \$40,520 in Fiscal Year 2023-24 Alcohol Policing Partnership grant funds and authorizing the Deputy City Manager, Administrative Services or designee to appropriate funds to the Public Safety Grants Special Revenue Fund. (Staff contact: Amanda Baker, Police Department)
4. ACQUISITION AND RESALE OF 2631 HANCOCK CIRCLE AS PART OF THE AFFORDABLE HOUSING RESALE PROGRAM – Adoption of Resolution No. 2023-244 authorizing the City Manager to execute all required documents to complete the purchase and resale of 2631 Hancock Circle as part of the City’s Affordable Housing Resale Program. (Staff contact: Mandy Mills, Community Services Department)

ORDINANCES FOR INTRODUCTION: None.

ORDINANCES FOR ADOPTION:

5. ADOPTION OF ORDINANCE NO. CS-459 AMENDING CARLSBAD MUNICIPAL CODE CHAPTER 1.20 MEETINGS – Adoption of Ordinance No. CS-459 amending Carlsbad Municipal Code Chapter 1.20 Meetings. (Staff contact: Faviola Medina, City Clerk Department)

City Manager’s Recommendation: Adopt Ordinance No. CS-459.

City Attorney Cindie McMahon titled the ordinance.

Motion by Mayor Pro Tem Bhat-Patel, seconded by Council Member Acosta, to adopt Ordinance No. CS-459. Motion carried unanimously, 5/0.

PUBLIC HEARING:

6. APPROVE A COASTAL DEVELOPMENT PERMIT, HILLSIDE DEVELOPMENT PERMIT, SPECIAL USE PERMIT - FLOODPLAIN, SPECIAL USE PERMIT - EL CAMINO REAL CORRIDOR DEVELOPMENT STANDARDS AND WAIVER OF GENERAL PLAN OPEN SPACE POLICY 4-P.6 FOR THE WIDENING OF EL CAMINO REAL BETWEEN SUNNY CREEK ROAD AND JACKSPAR DRIVE (CDP2022-0044,

HDP2021-0003, SUP2022-0002, SUP2021-0002) – Adoption of Resolution No. 2023-245 approving a coastal development permit, hillside development permit, special use permit (floodplain, special use permit – El Camino Real corridor development standards) and a waiver of General Plan Open Space Policy 4-P.6 to allow for a road improvement project along El Camino Real generally located within the public right-of-way on El Camino Real from Sunny Creek Road to Jackspar Drive within the Mello II segment of the city’s Local Coastal Program and Local Facilities Management Zone 15. (Staff contact: Eric Lardy, Community Services Department)

City Manager’s Recommendation: Take public input, close the public hearing and adopt the resolution.

City Planner Eric Lardy and Transportation Director Tom Frank reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

Mayor Blackburn opened the duly noticed public hearing at 5:33 p.m.

Eric Gilmore spoke regarding his concern with the upcoming changes on El Camino Real.

Mayor Blackburn closed the duly noticed public hearing at 5:36 p.m.

In response to Council Member Luna’s inquiry, Transportation Director Tom Frank explained that resident signage concerns have been accommodated by adding additional signage and striping.

Motion by Mayor Pro Tem Bhatnagar seconded by Council Member Acosta, to adopt Resolution No. 2023-245. Motion carried unanimously, 5/0.

DEPARTMENTAL AND CITY MANAGER REPORTS:

7. MAYORAL APPOINTMENT OF ONE MEMBER TO THE AGRICULTURAL CONVERSION MITIGATION FEE CITIZENS’ ADVISORY COMMITTEE – Adoption of Resolution No. 223-246 appointing one member to the Agricultural Conversion Mitigation Fee Citizens’ Advisory Committee. (Staff contact: Tammy McMinn, City Clerk Department)

City Manager’s Recommendation: Adopt the resolution.

Motion by Mayor Blackburn to adopt Resolution No. 2023-246 appointing Spencer Burrows to the Agricultural Conversion Mitigation Fee citizens’ Advisory Committee. Motion carried unanimously, 5/0.

8. MAYORAL APPOINTMENT OF TWO MEMBERS TO THE SENIOR COMMISSION – 1) Adoption of Resolution No. 2023-247 appointing one member to the Senior Commission; and 2) Adoption of Resolution No. 2023-248 appointing one member to the Senior Commission. (Staff contact: Tammy McMinn, City Clerk Department)

City Manager's Recommendation: Adopt the resolutions.

Motion by Mayor Blackburn to adopt Resolution No. 2023-247 appointing Kathryn Rangus and Resolution No. 2023-248 appointing Nelson Ross to the Senior Commission. Motion carried unanimously, 5/0.

9. MAYORAL APPOINTMENT OF ONE MEMBER TO THE HOUSING COMMISSION – Adoption of Resolution No. 2023-249 appointing one member to the Housing Commission – At-Large Member. (Staff contact: Tammy McMinn, City Clerk Department)

City Manager's Recommendation: Adopt the resolution.

Motion by Mayor Blackburn to adopt Resolution No. 2023-249 appointing Chi-Wu-Chang to the Housing Commission. Motion carried unanimously, 5/0.

10. 2023-2030 PARKS & RECREATION DEPARTMENT MASTER PLAN UPDATE – Adoption of a resolution approving a 2023-250 Parks & Recreation Department Master Plan Update. (Staff contact: Kyle Lancaster, Community Services Department)

City Manager's Recommendation: Adopt the resolution.

Parks & Recreation Director Kyle Lancaster, Recreation Services Manager Mick Calarco and Next Practice Partners Founder and CEO Neelaj Bhatt reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

Mary Lucid spoke regarding the services of the Senior Center.

Ed Gorelick spoke regarding the need for more pickleball courts.

Tom Hirschberger spoke regarding the need for more pickleball courts and less tennis courts.

Parks & Recreation Commission Chair Bob Winston expressed his approval of the Parks & Recreation Master Plan.

Dale Ordas spoke regarding the need for a park in the Southwest Quadrant of Carlsbad.

Zakk Sharp spoke regarding how pickleball saved his life and asked for more courts.

Preserve Calavera representative Diane Nygaard spoke regarding the need for neighborhood parks that are walkable and accessible within 10 minutes.

Shirley Keating-Hudson spoke regarding the need for a park and open space in southwest Carlsbad.

Hanover Beach HOA Representative Mark O'Donnell spoke regarding the need for a park in southwest Carlsbad.

Jodi Jones spoke regarding the need for a park in the southwest coastal area.

In response to Council Member Acosta's inquiry, Parks & Recreation Director Lancaster explained the 10 minute walkability map to the parks.

In response to Council Member Acosta's inquiry, Parks & Recreation Director Lancaster explained that Agua Hedionda Lagoon south shore is included in the Trails Master Plan and referenced as Hub Park.

In response to Council Member Acosta's inquiry, Parks & Recreation Director Lancaster explained that a separate item will be brought back for the City Council's consideration regarding pickleball.

In response to Council Member Acosta's inquiry, Next Practice Partners Founder and CEO Bhatt explained how the survey was utilized and how many participants came from each zip code.

In response to Mayor Pro Tem Bhat-Patel's inquiry, Parks & Recreation Director Lancaster explained that converting a tennis court to a pickleball court can be done but would be highly expensive.

Motion by Council Member Acosta, seconded by Mayor Pro Tem Bhat-Patel, to request staff to return with options for a park in the Southwest Quadrant in the Planning Area F.

Council Member Burkholder explained that the motion seemed to be moving forward while ignoring a transportation project along with the state and other entities.

Mayor Blackburn explained that he would not be supporting the motion.

Motion by Council Member Acosta, seconded by Mayor Pro Tem Bhat-Patel, to request staff to return with options for a park in the Southwest Quadrant. Motion failed 2/3 (Blackburn, Burkholder, Luna – No).

City Attorney McMahon explained that the item already states that there is a bring-back item regarding pickleball courts.

Motion by Mayor Blackburn, seconded by Mayor Pro Tem Bhat-Patel, directing staff to prioritize the construction of new pickleball courts without the conversion or removal of tennis courts as part of the returning item for City Council's consideration. Motion carried unanimously, 5/0.

Motion by Mayor Pro Tem Bhat-Patel, seconded by Council Member Acosta, to adopt Resolution No. 2023-250. Motion carried unanimously, 5/0.

11. GENERAL FUND SURPLUS POLICY: APPROVAL OF FISCAL YEAR 2022-23 BUDGET CARRYFORWARD REQUESTS AND APPROPRIATION OF FUNDS TO FISCAL YEAR 2023-24 – 1)

Adoption of Resolution No. 2023-251 approving the fiscal year 2022-23 budget carryforward requests and appropriation of funds to fiscal year 2023-24 and authorizing capital outlay purchases; and

2) Adoption of Resolution 2023-252 approving the restriction of General Fund reserves in fiscal year 2023-24 to fund the initial contribution to a Section 115 Trust; and

3) Adoption of Resolution No. 2023-253 approving the use of the fiscal year 2022-23 General Fund surplus for appropriation and transfer to the city’s Workers’ Compensation Fund in fiscal year 2023-24; and

4) Adoption of Resolution No. 2023-254 approving the use of the fiscal year 2022-23 General Fund surplus for appropriation and transfer to the city’s Risk Management Fund in fiscal year 2023-24. (Staff contact: Zach Korach, Administrative Services Department)

City Manager’s Recommendation: Adopt the resolutions.

Finance Director Zach Korach and Senior Management Analyst Jeremy Bates reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

Motion by Mayor Pro Tem Bhat-Patel, seconded by Council Member Acosta, to adopt Resolution No. 2023-251, Resolution No. 2023-252, Resolution No. 2023-253 and Resolution No. 2023-254. Motion carried unanimously, 5/0.

COUNCIL REPORTS AND COMMENTS: Mayor Blackburn and the City Council Members reported on activities and meetings of some committees and subcommittees of which they are members.

Minute Motion by Mayor Blackburn, seconded by Mayor Pro Tem Bhat-Patel, requesting staff to bring back for City Council’s consideration, an action item related to City Council Member’s use of the City’s official logo and seal. Motion carried unanimously, 5/0.

ANNOUNCEMENTS: This section of the Agenda is designated for announcements to advise the community regarding events that Members of the City Council have been invited to, and may participate in.

Friday, Oct. 6, 2023

3 - 7 p.m.

MiraCosta College Technology Career Institute

Community Open House

2075 Las Palmas Dr.

Carlsbad, CA

CITY MANAGER COMMENTS: Assistant City Manager Patnoe commended the Parks & Recreation Department and the Finance Department for their work on the presentations.

CITY ATTORNEY COMMENTS: City Attorney McMahon echoed Assistant City Manager Patnoe's sentiments.

CITY CLERK COMMENTS: None.

ADJOURNMENT: Mayor Blackburn adjourned the duly noticed meeting at 7:44 p.m.

Tamara R. McMinn, CPMC, CMC
Senior Deputy City Clerk

DRAFT



Staff Report

Meeting Date: Nov. 6, 2023

To: Traffic Safety & Mobility Commission

Staff Contact: Lindy Pham, Associate Engineer
Lindy.Pham@carlsbadca.gov or 442-339-2768

Miriam Jim, Senior Engineer
Miriam.Jim@carlsbadca.gov or 442-339-5796

Subject: Traffic Calming Plans for Park Drive, Black Rail Road, Plum Tree Road and Carrillo Way

Recommended Action

Support staff’s recommendation to the City Council to approve the plans and specifications for the Traffic Calming Plans for Park Drive, Black Rail Road, Plum Tree Road and Carrillo Way, Capital Improvement Program, or CIP, Project No. 6070.

Background

Carlsbad utilizes the Carlsbad Residential Traffic Management Program, or CRTMP, to address speeding concerns on residential streets. The program was adopted by the City Council in 2001 and revised in 2011. Staff have collaborated with residents of Park Drive, Black Rail Road, Plum Tree Road and Carrillo Way, located in various parts of the city as shown in Exhibit 1, to complete the process outlined in the CRTMP. Additionally, all of these traffic calming plans have met the criteria for neighborhood support as described in the approved program. Table 1 provides a summary of the proposed improvements for the four streets.

Table 1: Proposed Improvements

Street	Street Limits	Preferred Traffic Calming Improvements
Park Drive	Monroe Street to Tamarack Avenue	2 speed cushions
Black Rail Road	Poinsettia Lane to the northern terminus	2 speed cushions
Plum Tree Road	Hidden Valley Road to Aviara Parkway	3 speed cushions and curb extensions at two intersections
Carrillo Way	Rancho Brasado to Rancho Caballo	6 speed cushions

On Aug. 7, 2023, staff presented to the Traffic & Mobility Commission the results of the CRTMP process for Park Drive, Black Rail Road, Plum Tree Road and Carrillo Way, including the satisfaction of the community support criteria. After hearing staff’s presentation and public comments, the Traffic & Mobility Commission voted 6/0/1 (Garcia – Absent) in support of the traffic calming plans for all four streets, as shown in Exhibit 2.

Next Steps

Upon receiving support from the Traffic Safety & Mobility Commission, staff will finalize the construction documents for the four Traffic Calming Plans. Thereafter, staff will present the project to the City Council with a recommendation to approve the plans, specifications, and contract documents and authorize the City Clerk to advertise for construction bids for the project, shown in Exhibit 3.

Public Notification

This item was noticed in keeping with the Ralph M. Brown Act and it was available for public viewing and review at least 72 hours before the scheduled meeting date.

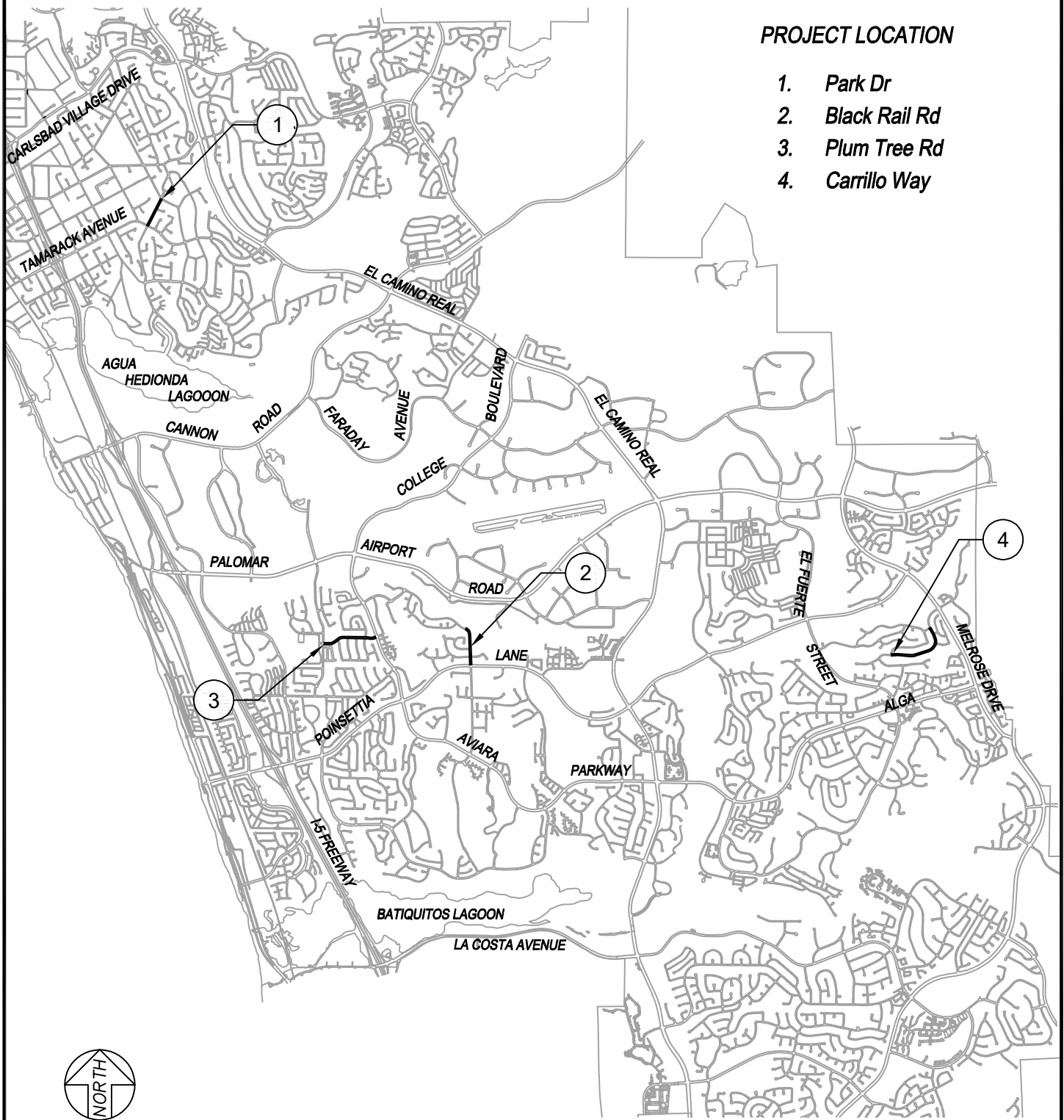
Exhibits

1. Location Map
2. Approved Traffic & Mobility Commission Meeting Minutes for Aug. 7, 2023
3. Traffic calming plans and specifications for Park Drive, Black Rail Road, Plum Tree Road and Carrillo Way

LOCATION MAP

PROJECT LOCATION

- 1. Park Dr
- 2. Black Rail Rd
- 3. Plum Tree Rd
- 4. Carrillo Way



TRAFFIC CALMING *Park Dr, Black Rail Rd, Plum Tree Rd and Carrillo Way*

EXHIBIT

1



TRAFFIC AND MOBILITY COMMISSION

Minutes

Council Chambers
1200 Carlsbad Village Drive
Carlsbad, CA 92008

Aug. 7, 2023, 4 p.m.

CALL TO ORDER: 4:02 p.m.

ROLL CALL: Coelho, Fowler, Penseyres, Proulx, Newlands, and Kohl.
Garcia – Absent.

PLEDGE OF ALLEGIANCE: Chair Coelho led the Pledge of Allegiance.

APPROVAL OF MINUTES:

Minutes of the Regular Meeting held on June 5, 2023

Motion by Commissioner Newlands, seconded by Commissioner Kohl to approve the minutes of the Regular Meeting held on June 5, 2023, as presented. Motion carried, 6/0/1 (Garcia – Absent).

PUBLIC COMMENT:

Sonja Pratt spoke about the dangers of the intersection at Chestnut Avenue and Adams Street due to lack of visibility and she shared concerns about speeding on Chestnut Avenue.

Scott Carcella spoke about the dangerous driving on Chestnut Avenue and he suggested adding stop signs, roundabouts, or speedbumps to improve the road.

Jeff Pratt spoke about his concerns regarding speeding and dangerous driving on Chestnut Avenue.

CONSENT CALENDAR:

Motion by Vice-Chair Fowler, seconded by Commissioner Kohl to approve Consent Item No. 1. Motion carried, 6/0/1 (Garcia – Absent).

1. TRAFFIC CALMING PLANS FOR VICTORIA STREET, HIGHLAND DRIVE, MONROE STREET, NUEVA CASTILLA WAY, CIRCULO SEQUOIA AND CELINDA DRIVE – Support staff recommendations to the City Council to approve the plans and specifications for the Traffic Calming Plans for Victoria Street, Highland Drive, Monroe Street, Nueva Castilla Way, Circulo Sequoia and Celinda Drive, Capital Improvement Program Project No. 6070. (Staff Contact: Lindy Pham and Miriam Jim, Public Works Department).

Scott Engle spoke in favor of the traffic calming plans on Victoria Street and Highland Drive but questioned the number of features. He recommended traffic observations to be performed after implementation of measures to see their effectiveness.

DEPARTMENTAL REPORTS:

2. POLICE REPORT REGARDING TRAFFIC & MOBILITY-RELATED MATTERS DURING THE MONTHS OF MAY AND JUNE 2023, INCLUDING NOTABLE NEWS FOR THE MONTH OF JULY – Receive a presentation from a representative of the City of Carlsbad’s Police Department that will provide an overview of traffic and mobility-related police matters during the months of May and June 2023, including notable news for the month of July. (Staff Contact: Alonso DeVelasco, Police Department).

Staff’s Recommendation: Receive the presentation.

Lieutenant Alonso DeVelasco presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

The Commission received the PowerPoint presentation by Lieutenant DeVelasco.

In response to Commissioner Kohl’s inquiry about the possibility of placing motor units on the intersection of Chestnut Avenue and Adams Street a couple times a week for strict enforcement, Lieutenant DeVelasco explained that it is possible to request that officers be placed there to increase enforcement. He further explained that since the school year is approaching, enforcement around the schools is going to increase.

Chair Coelho requested that the Commission receive periodic updates on traffic speedbumps such as those placed on Tamarack Avenue.

3. TRAFFIC CALMING PLANS FOR PARK DRIVE, BLACK RAIL ROAD, PLUM TREE ROAD, CARRILLO WAY AND CARLSBAD RESIDENTIONAL TRAFFIC MANAGEMENT PROGRAM EXCEPTION FOR HUMMINGBIRD ROAD – 1) Receive the presentation based on the findings contained in this report and the Carlsbad Residential Traffic Management Program; and
2) Support staff’s recommendation for the proposed traffic calming plans on Park Drive, Black Rail Road, Plum Tree Road and Carrillo Way; and
3) Support staff’s recommendation to approve Hummingbird Road from Batiquitos Drive to Rock Dove Street as an exception into Phase II of the Carlsbad Residential Traffic Management Program. (Staff Contact: Lindy Pham and Miriam Jim, Public Works Department).

Staff’s Recommendation: Receive the presentation and support staff’s recommendations.

Associate Engineer Lindy Pham and Senior Engineer Miriam Jim presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

The Commission received the the PowerPoint presentation by Associate Engineer Pham and Senior Engineer Jim.

Nichola Riggle spoke in favor of the traffic calming plans.

In response to Vice-Chair Fowler’s inquiry about the term “cost effective” traffic calming, Senior Engineer Jim explained that it is used to distinguish between Phase II and Phase III when

they implement traffic calming measures. She further added that Phase II starts with cost effective solutions, such as speed bumps, features that can be implemented relatively quickly and Phase III involves more complex solutions such as realigning intersections and turn restrictions.

Motion by Commissioner Kohl, seconded by Commissioner Proulx to support staff's recommendation for the proposed traffic calming plans on Park Drive, Black Rail Road, Plum Tree Road and Carrillo Way and to approve Hummingbird Road from Batiquitos Drive to Rock Dove Street as an exception into Phase II of the Carlsbad Residential Traffic Management Program. Motion carried, 6/0/1 (Garcia – Absent).

4. REVISE SPEED LIMIT ON SOUTHBOUND CARLSBAD BOULEVARD BETWEEN 1,400 FEET SOUTH OF MANZANO DRIVE AND ISLAND WAY – Support staff's recommendation to the City Council to revise speed limit on southbound Carlsbad Boulevard between 1,400 feet south of Manzano Drive and Island Way from 50 mph to 45 mph. (Staff Contact: Miriam Jim and John Kim, Public Works Department).

Staff's Recommendation: Support staff's recommendation.

Senior Engineer Miriam Jim and City Traffic Engineer John Kim presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

The Commission received the PowerPoint presentation by Senior Engineer Jim and Traffic Engineer Kim.

In response to Commissioner Kohl's inquiry about lowering the speed limit further to 40 mph, City Traffic Engineer Kim explained that Assembly Bill 43 enacted changes in the California Manual on Uniform Traffic Control Devices that allows local agencies more flexibility in lowering speed limits. He further added that towards early next year staff should have recommendations regarding the possibility of lowering speed limits based on AB43.

In response to Commissioner Kohl's inquiry about performing another traffic study, if the 45-mph speed limit were implemented, to see if the 85th percentile drops below 40 mph, City Traffic Engineer Kim explained that engineering studies have shown that critical speeds do not typically vary over time unless the conditions of the road have changed or traffic volumes change. He further explained that if everything were to stay the same, there would be no reason to believe that the roadway speed would change.

Motion by Commissioner Proulx, seconded by Commissioner Kohl to support staff's recommendation to the City Council to revise speed limit on southbound Carlsbad Boulevard between 1,400 feet south of Manzano Drive and Island Way from 50 mph to 45 mph. Motion carried, 6/0/1 (Garcia – Absent).

5. STATUS UPDATE ON CAPITAL IMPROVEMENT PROGRAM NO. 6028 COLLEGE BOULEVARD AND PALOMAR AIRPORT ROAD IMPROVEMENTS AND CAPITAL IMPROVEMENT PROGRAM NO. 6034 MELROSE DRIVE AND PALOMAR AIRPORT ROAD – Receive status update report on Capital Improvement Program (CIP) No. 6028 College Boulevard and Palomar Airport Road

Improvements and CIP No. 6034 Melrose Drive and Palomar Airport Road Improvements. (Staff Contact: Tom Frank, Public Works Department).

Staff's Recommendation: Receive the report.

Transportation Director Tom Frank presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

The Commission received the PowerPoint presentation by Transportation Director Frank.

In response to Chair Coelho's inquiry about the possibility of restricting U-turns at an intersection during rush hour, Transportation Director Frank responded that staff would look into it and provide additional information at a following Commission meeting.

Chair Coelho recommended further contemplation on not allowing U-turns at the intersection.

6. ACTIVE TRANSPORTATION MONITORING PROGRAM – YEAR TWO – Receive a presentation and provide input to city staff on the Draft Active Transportation Monitoring Program Report. (Staff Contact: Nathan Schmidt, Public Works Department).

Staff's Recommendation: Receive the presentation and provide input.

Transportation Planning & Mobility Manager Nathan Schmidt presented the report and reviewed a PowerPoint presentation (on file in the Office of the City Clerk).

The Commission received the PowerPoint presentation by Transportation Planning & Mobility Schmidt.

Chair Coelho recommended the addition of information on the costs associated with public transportation, specifically for buses and the Coaster.

CITY TRAFFIC ENGINEER COMMENTS:

Transportation Planning & Mobility Manager Schmidt commented that SANDAG has opened a public response window where people can provide comments with specific locations on an interactive map.

City Traffic Engineer Kim commented that the Tamarack Avenue expedited traffic calming project is nearly complete with four of the five features completed.

In response to Commissioner Kohl's question about the traffic signal time at Fire Station No. 2, City Traffic Engineer Kim explained that staff have been working with the fire department to address observed signal delays. He further added that they had either addressed it or will do so shortly.

COMMISSION COMMENTARY AND REQUESTS FOR CONSIDERATION OF MATTERS:

In response to Commissioner Kohl's inquiry regarding the city's status on the fiberoptic connection network, City Traffic Engineer Kim responded that he would ask Senior Engineer Mangohig to provide a thorough presentation at a future Commission meeting.

Commissioner Kohl commented that signal problems can be reported to 442-339-5331. Transportation Planning & Mobility Manager Schmidt commented that general traffic issues can be reported to 442-339-5332.

ADJOURNMENT: Chair Coelho adjourned the Traffic & Mobility Commission Regular Meeting on Aug. 7, 2023, at 6:55 p.m.

Eliane Paiva

Eliane Paiva
Secretary



Staff Report

Meeting Date: Nov. 6, 2023

To: Traffic and Mobility Commission

Staff Contact: Alonso DeVelasco, Police Lieutenant
Alonso.develasco@carlsbadca.gov, 442-339-5578

Subject: Police Report Regarding Traffic & Mobility-Related Matters During the Month of August and September 2023, including Notable News for the Month of October

Recommended Action

Receive a presentation from a representative of the City of Carlsbad's Police Department that will provide an overview of traffic and mobility-related police matters during the months of August and September 2023, including notable news for the month of October.

Fiscal Analysis

This action has no fiscal impact.

Environmental Evaluation

In keeping with California Public Resources Code Section 21065, this action does not constitute a "project" within the meaning of the California Environmental Quality Act in that it has no potential to cause either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment. Therefore, it does not require environmental review.

Public Notification and Outreach

This item was noticed in keeping with the Ralph M. Brown Act and it was available for public viewing and review at least 72 hours before the scheduled meeting date.

Exhibits

None.



Staff Report

Meeting Date: Nov. 6, 2023

To: Traffic Safety & Mobility Commission

Staff Contact: Nathan Schmidt, Transportation Planning & Mobility Manager
Nathan.schmidt@carlsbadca.gov, 442-339-2734

Subject: Approval of the 2024 Regular Traffic Safety & Mobility Commission Meeting Calendar

Recommended Action

Adopt a resolution approving the 2024 Regular Traffic Safety & Mobility Commission Meeting Calendar.

Background

The Traffic Safety & Mobility Commission (TS&MC) establishes its regular meeting schedule annually by resolution. Adopting the calendar by resolution meets Brown Act requirements (California Government Code Section 54954) and provides the TS&MC the opportunity to increase notification to the public of its scheduled regular meetings. Special meetings can still be called as needed by providing 24-hour notice before the time of the special meeting.

For calendar year 2024, staff propose one regular meeting per month, every first Monday of the month at 4 p.m. except the months of January and September due to City observed holidays. Staff recommend canceling the TS&MC meeting for January and September due to these conflicts with city holidays and the unavailability of the Council Chamber.

Fiscal Analysis

There are no significant fiscal impacts that would result from adoption of the attached resolution.

Next Steps

The Minutes Clerk will distribute the approved calendar to the TS&MC and staff. In addition, the calendar will be posted on the City's website.

Environmental Evaluation

This action does not constitute a "project" within the meaning of the California Environmental Quality Act under California Public Resources Code Section 21065 in that it has no potential to cause either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment. Therefore, it does not require environmental review.

Public Notification

This item was noticed in keeping with the Ralph M. Brown Act and it was available for public viewing and review at least 72 hours before the scheduled meeting date.

Exhibits

1. Traffic Safety & Mobility Commission resolution

RESOLUTION NO. 2023-001

A RESOLUTION OF THE TRAFFIC SAFETY AND MOBILITY COMMISSION OF THE CITY OF CARLSBAD, CALIFORNIA, APPROVING THE 2024 REGULAR TRAFFIC SAFETY AND MOBILITY COMMISSION MEETING CALENDAR

WHEREAS, the Traffic Safety & Mobility Commission has determined that it will establish its scheduled regular meetings annually by resolution; and

WHEREAS, the Ralph M. Brown Act, specifically California Government Code Section 54954, provides for the establishment of an annual regular meeting calendar procedure; and

WHEREAS, all regular meetings will be scheduled to take place at 4 p.m. at the Council Chamber located at 1200 Carlsbad Village Drive; and

WHEREAS, special meetings of the Traffic Safety & Mobility Commission will be called as necessary following the requirements of the Brown Act, specifically California Government Code section 54956.

NOW, THEREFORE, BE IT RESOLVED by the Traffic Safety & Mobility Commission of the City of Carlsbad, California, as follows:

1. That the above recitations are true and correct.
2. That the 2024 calendar establishing the dates and locations for regular Traffic Safety & Mobility Commission meetings (Attachment A) is approved.
3. That the 2024 calendar will be posted to the city's website.
4. That all regular meetings will be scheduled to take place at 4 p.m. at the Council Chamber located at 1200 Carlsbad Village Drive.

PASSED, APPROVED AND ADOPTED at a Regular Meeting of the Traffic Safety & Mobility Commission of the City of Carlsbad on the 6th day of November 2023, by the following vote, to wit:

AYES:

NAYS:

ABSENT:

JOSHUA COELHO, CHAIRMAN

Eliane Paiva, Minutes Clerk

2024

TRAFFIC SAFETY & MOBILITY COMMISSION MEETING CALENDAR

January						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

February						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

March						
S	M	T	W	T	F	S
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3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April						
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21	22	23	24	25	26	27
28	29	30				

May						
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11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

June						
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						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

July						
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	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			



August						
S	M	T	W	T	F	S
					1	2
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10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

September						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

October						
S	M	T	W	T	F	S
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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

November						
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10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

December						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

 Traffic Safety & Mobility Commission Meetings
 City Holiday, City Offices Closed