

Proposal

Professional Consultant Design Services for the

GATEWAY PARK REVITALIZATION

RFP 2024-040, Project No. 807 0062



Submitted by:

Michael Baker

INTERNATIONAL

40810 County Center Drive
Suite 200
Temecula, CA 92591

Submitted to:

City of
Moreno Valley

14177 Frederick Street
Moreno Valley, CA 92553



Executive Summary

August 12, 2024

City of Moreno Valley
14177 Frederick Street
Moreno Valley, CA 92552

Subject: **Proposal to Provide Professional Consultant Design Services for the Gateway Park Revitalization Project 807 0062, RFP 2024-040**


“People, Pride, and Progress,” the theme to the City of Moreno Valley’s (City) State of the City Address exemplifies the dedication the City has to its residents and the continued growth and development of the community. The City has committed to a significant investment in rehabilitating and refurbishing their parks. This includes the development of a new Dog Park addition to the existing Gateway Park. Michael Baker International (Michael Baker) is pleased to submit our Proposal to provide professional consultant design services for this improvement. The Michael Baker Team is dedicated to serving the communities we live, work, and play in through development of quality infrastructure. The Project Team was selected on the basis of past experience, knowledge and a proactive approach to serve the best interests of the City. Our commitment to the City is delivering meaningful and impactful projects through quality deliverables that focus on budget sensitivities while addressing community needs. The following highlights are provided based on your selection criteria:

By selecting Michael Baker, the City of Moreno Valley will receive the following benefits:

- ❖ **The Michael Baker Team with extensive experience** designing projects that achieve a balance between community concerns, owner needs and providing creative solutions for our clients. Solutions are based on innovative, yet practical methods combined with leading-edge technology. Michael Baker’s experience and knowledge of local policies, having served the Moreno Valley and surrounding area over the last 40 years, will result in early identification and resolution of issues.
- ❖ **Key Personnel** - As your dedicated Project Manager, Lonnie Druliner is committed to the City for the duration of the contract. As the leader of the team, she will be an active collaborative partner with the City throughout project development and approval.

We are excited about the opportunity to partner with the City and thank you for the consideration of our proposal. The proposed services and relating pricing contained in this proposal will remain valid for a period of 60 days from date of submittal. We look forward to discussing how we can further assist you on the Gateway Park Revitalization Project. Should you have any questions or need additional information, please do not hesitate to contact Lonnie at the contact information above.

Respectfully submitted,
MICHAEL BAKER INTERNATIONAL



Steven Latino, PE, TE
Associate Vice President



Lonnie Druliner, PE
Project Manager

A. Company Information
MICHAEL BAKER INTERNATIONAL
40810 County Center Drive
Suite 200
Temecula, CA 92591
Ms. Lonnie Druliner, PE
Lonnie.Druliner@mbakerintl.com
(951) 506-2072

B. Prior Company Names
Robert Bein, William Frost & Associates
RBF Consulting

C. Organizational Structure
Pennsylvania Corporation

D. Principal Owner
Thomas Campbell, Chairman

E. Authorized Person(s)
Steven Latino, PE, TE, Associate VP
Christopher Alberts, PLS, VP

F. Years in Business
84 Years

G. Current Number of Employees
4,150



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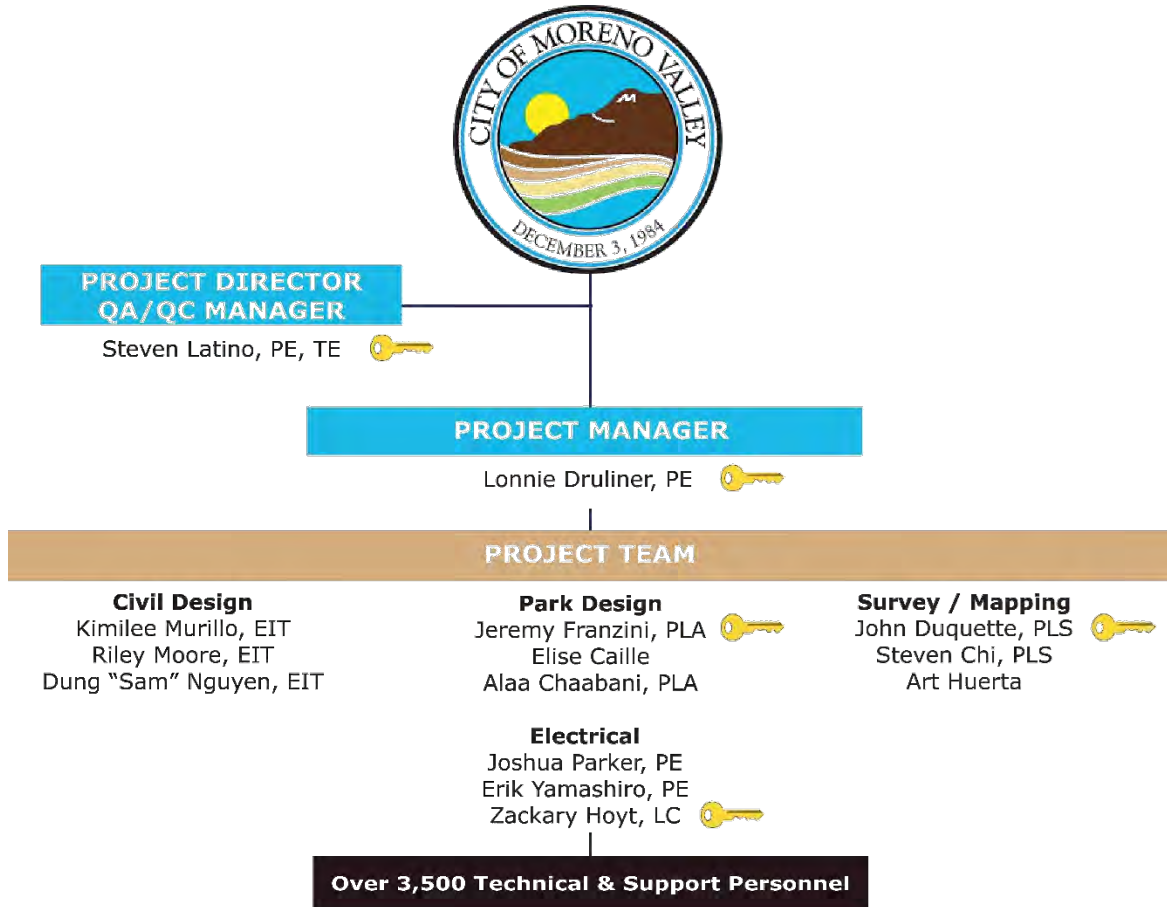
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Professional Team Assignments

The Michael Baker Team is prepared to commit its personnel and its resources to serving the City by providing professional consultant services for the Gateway Park Revitalization Project. Our team of professionals is well balanced and experienced in working together on many successful projects. The key personnel assigned to this project have functioned in similar responsible positions and have worked on numerous PS&E projects.

Organization Chart





Project Team Qualifications Matrix

Name and Project Team Role	Yrs of Exp	Education and Registrations/Certifications
Management Team		
Lonnie Druliner, PE Project Manager / Design Lead	13	M.Eng., 2012, Civil Engineering, Tufts University B.S., 2010, Structural Engineering, University of California, San Diego Professional Engineer – Civil, CA, 2016, 86346
Steven Latino, PE, TE Project Director / QA-QC Manager	20	M.B.A., 2018, General Studies, University of Redlands B.S., 2003, Civil Engineering, Purdue University Professional Engineer - Civil, CA, 2008, C73430 Traffic Engineer, CA, 2019, TE 2902
Project Team (Alphabetically)		
Elise Caille Park Design	10	B.L.A., 2014, Landscape Architecture, CalPoly San Luis Obispo
Alaa Chaabani, PLA Park Design	32	B.S., 1991, Landscape Architecture, CalPoly Pomona Professional Landscape Architect, CA, 2003, 4732
Steven Chi, PLS Survey / Mapping	37	Professional Land Surveyor, CA, 2010, 8860
John Duquette, PLS Survey / Mapping	34	A.S., 1996, Survey and Mapping, Santa Ana College Professional Land Surveyor, CA, 1999, 7566
Jeremy Franzini, PLA Park Design	28	M.L.A., 1996, Landscape Architecture, Texas A&M University B.S., 1993, Environmental Studies, University of California, Santa Barbara Professional Landscape Architect, CA, 2001, 4514
Art Huerta Survey / Mapping	19	
Zachary Hoyt, LC Electrical	10	B.S., 2013, Civil and Architectural Engineering, University of Colorado at Boulder NCQLP Lighting Certified, 2018
Riley Moore, EIT Civil Design	4	B.S., 2020, Civil Engineering, CalPoly Pomona Engineer In Training, CA, 2021, 174122
Kimilee Murillo, EIT Civil Design	6	B.S., 2018, Civil Engineering, CalPoly Pomona Engineer In Training, CA, 2018, 167995
Sam Nguyen, EIT Civil Design	2	B.S., 2022, Civil Engineering, CalPoly Pomona Engineer In Training, CA, 2023, 178356
Joshua Parker, PE Electrical	9	B.S.E.E., 2015, Electrical Engineering, Washington State University Professional Engineer – Electrical, CA, 2021, 23757
Erik Yamashiro, PE Electrical	14	B.S., 2012, Electrical Engineering, Gonzaga University Professional Engineer, UT, 2018, 11096115-2202



Key Project Team Resumes

STEVEN LATINO, PE, TE | *Project Director / QA-QC*



Mr. Latino's professional career has focused in the areas of: Traffic and Transportation, Capital Improvement Projects (both design and construction management), and Land Development. Prior to private employment he served as the Engineering Director/City Engineer for the City of Hemet where he was responsible for all aspects of municipal engineering. Due to his extensive time served in the Public Sector, Mr. Latino is very knowledgeable of local regulations. He is well versed in project delivery and the challenges projects face due to local, regional, and statewide regulatory requirements. His ability to design and review plans includes intuition that can easily be overlooked by someone who may not have delivered a municipal project from start to finish.

Additionally, he is very familiar with the assembly of construction specifications and bid packages and is well versed in the Greenbook: Standard Specifications for Public Works Construction as well as the Caltrans Standard Specifications.

RELEVANT EXPERIENCE

Centinel Park Pump Track. *Velosolutions.* Project Manager. Responsible for providing site planning, grading plans and LID plans for the City of Inglewood Bike Pumptrack Project. The project is being delivered by Grow Cycle Foundation, a 501c3 non-profit providing cycling facilities to disadvantaged communities. Michael Baker was brought on in conjunction with the builder, Velosolutions, to expedite the delivery of the plans within one month of the signing of the contract. Mr. Latino coordinated across multiple offices to identify resources in order to facilitate the expeditious delivery.

Warner Trail Improvement Project. *Indian Wells, California.* Project Manager. Michael Baker provided exploratory geotechnical services for the Warner Trail Improvement Project to address multiple failures and sinkholes that have developed above the existing storm drain facility in Warner Trail south of Fred Waring Drive. In addition, the team designed pavement rehabilitation, signal modifications to include a northbound right turn lane and ADA ramp improvements.

Genevieve Street Lighting Circuit and Ralston Street Lighting Circuit, San Bernardino. City of San Bernardino. Project Manager. Responsible for the design of two new street lighting circuits to replace existing high voltage circuits. The existing circuits have exceeded their service life, have existing street light standards that do not meet current standard and are currently non-functional. Steven is leading a team to replace the outdated infrastructure including new conduits, wiring, services and street light standards. The team will complete a lighting analysis and recommend spacing of new lights based on IES Standards. New street lighting will include energy efficient LED lighting.

Club Drive Complete Streets. *Indian Wells, California.* Project Manager. Michael Baker is contracted to prepare PS&E for the Club Drive Complete Streets Project. The project consists of introducing new sidewalks, ADA compliant curb ramps and upgrading existing bicycle facilities on Club Drive to connect pedestrians and bicyclists to a nearby shopping center. Michael Baker is preparing concept alternatives for the project and once the preferred alternative is selected, preparing the PS&E package. Coordination with nearby business owners is a key consideration for the project to garner community support and ensure there is a consensus on the designs.

Michael Baker INTERNATIONAL

Years with Michael Baker
3.5

Years of Experience
20

Education

M.B.A., 2018, General Studies, University of Redlands
B.S., 2003, Civil Engineering, Purdue University

Licenses/Certifications

Professional Engineer - Civil, California, 2008, 73430
Traffic Engineer, California, 2019, TE 2902



LONNIE DRULINER, PE | *Project Manager*



Ms. Druliner has many years of experience in land development in both private and public sectors throughout southern California. Her project experience ranging from residential, multi-family, and commercial development to Capital Improvement Projects (CIP). Her experience has developed her skills in grading and improvement plans, storm water calculations, hydrology analyses, utility designs, and SWPPP reporting. She is currently pursuing her ADA CASp Certification.

RELEVANT EXPERIENCE

Button Parking Lot Project. *City of Rancho Mirage.* Overseeing civil, landscape architecture, and electrical disciplines to design and grade roughly 2.3 acres of parking lots to be used for the Rancho Mirage Amphitheater and weekly farmers markets. Street improvement and ramps are being updated to comply with ADA requirements. Coordinating with the City to develop material needed for City Council, including 3D renderings.

Morrison Park Pump Track & Site Improvements Project. *City of Moreno Valley.* Oversee the expansion design of Morrison Park which includes the addition of a parking lot, restroom, pump track, lighting, detention basin, flow track, bicycle playground, and trail path. Managed multiple engineering disciplines, including electrical, stormwater, civil, geotechnical, and landscape architecture, in collaboration with the pump track team, to deliver the plans, specifications, and estimate package to the City in a timely manner.

Capital Improvement Projects (CIP). *City of Escondido.* Includes Active Transportation Projects (ATP) throughout the City to improve sidewalk curb and gutter, adding bicycle lanes, implementing traffic calming measures, and promote safe routes to school. Various phases of the projects were environmental (CEQA and NEPA), engineering and specifications, and construction. Grants ranged from \$1.2M to 1.6M. Reporting and submittals were coordinated with Caltrans, SANDAG, and California Transportation Commission (CTC). The ATP Cycle 6 application was recently submitted in June of 2022.

Grape Day Park Improvements Project. *City of Escondido.* Focused relocating a restroom within Grape Day Park and providing ADA access to the restrooms from the various access points of the park. Coordination efforts were made with utility companies, Escondido Police Department, Escondido Parks and Recreation Department, Escondido's Historic Preservation Committee, California Center for the Arts - Escondido, and design consultants to provide the best service to all parties and especially the residents.

Michael Baker
INTERNATIONAL

Years with Michael Baker
2

Years of Experience
12

Education

M.Eng., 2012, Civil Engineering, Tufts University

B.S., 2010, Structural Engineering, University of California, San Diego

Licenses/Certifications

Professional Engineer - Civil, California, 2016, 86346



JOHN DUQUETTE, PLS | *Survey*



Mr. Duquette has many years of professional surveying experience with a broad background in boundary and right-of-way analysis and calculations for transportation and road improvement projects for a variety of public agencies.

RELEVANT EXPERIENCE

South Lake Park Final Design, San Marcos, California. *City of San Marcos.* Surveyor. Responsible for preparing legal descriptions. Michael Baker prepared construction documents, cost estimates, and addendums to technical studies for the final design of the South Lake Park at the South Lake Reservoir, owned and operated Vallecitos Water District (VWD). Michael Baker designed and produced construction documents that

integrated the rustic, natural features of the lake and its environment with the proposed park design in accordance with the approved conceptual park master plan and related technical studies. The improvements included lake water treatment facilities. Michael Baker evaluated treatment measures such as aeration systems, water destratification systems, lake water turnover, bio-manipulation, fish stocking, algae-lake weed control, and vector control-access water treatment.

Old Town Temecula Civic Center Mapping, Temecula, California. Project Surveyor. Michael Baker provided a boundary survey and an aerial topographic map as well as engineering services for the Temecula Civic Center. Responsible for providing boundary and control calculations and analysis and preparing an Official Map of the project site.

Michael Baker
INTERNATIONAL

Years with Michael Baker
18

Years of Experience
33

Education
A.S., 1996, Surveying and Mapping, Santa Ana College

Licenses/Certifications
Professional Land Surveyor, California, 1999, 7566



ZACHARY HOYT, LC | *Electrical*



Mr. Hoyt is an experienced designer in the lighting/electrical engineering field. He has been actively involved in all phases of design and drafting of plans and specifications for the construction of commercial, residential, multi-family, retail, and educational buildings. He has experience with lighting plan design, photometrics, luminaire specifications, control systems, and field surveys. Mr. Hoyt uses Autodesk Revit, AutoCAD, BlueBeam, AGi32, and COMcheck. He is certified by the NCQLP as an LC.

RELEVANT EXPERIENCE

Centennial, Baker, and Cushing Parks, Colorado (Denver Metro).

Ackerman Engineering, Inc. Lighting Designer. Designed upgraded lighting and control systems for park renovations including pedestrian pathways, parking lots, and shelters.

City of Thornton Skate Parks, Colorado (Denver Metro). *Ackerman Engineering, Inc.* Lighting Designer. Designed upgraded lighting and control systems for new and renovated parks including pedestrian pathways, parking lots, shelters, and outdoor skating rinks.

City of Fort Collins Alleyway Updates, Colorado. *Ackerman Engineering, Inc.* Lighting Designer. Assisted in lighting and control system design additions to historic downtown alleyways including pedestrian plazas, paths, custom architectural and art features, and roadways.

Akela ATP 01. *Akela Engineering.* Lighting Designer. Responsible for designing lighting and lighting control systems for the entire project with Michael Baker's lighting team. Tools used included Revit, AutoCAD, AGi32, and BlueBeam. Lighting and control systems included emergency egress and normal photometric calculations, layouts, circuiting, panel schedules, multidisciplinary team coordination, and budget-conscious lighting and control equipment.

UTC Residential Towers San Diego, California. *Regency Lighting.* Lighting Designer. Designed all lighting in amenities spaces of 23-floor residential building, including offices, library, dining area, gym, yoga studio, and multi-level lobby area. Specialty lighting in "jewel" event space at top of tower required intense collaboration and multiple iterations of design to accomplish the Client's vision.

Residences at Talisker Tower, Deer Valley (Park City), Utah. *Empire Residences. BNA Consulting.* Lighting Associate. Designed lighting and controls in luxury ski residences, exclusive spa and amenities spaces, existing building coordination, collaboration with multidisciplinary teams.

Michael Baker INTERNATIONAL

Years with Michael Baker

1

Years of Experience

10

Education

B.S., 2013, Civil and Architectural Engineering,
University of Colorado at Boulder

Licenses/Certifications

NCQLP Lighting Certified



JOSHUA PARKER, PE | *Electrical*



Mr. Parker is a professional engineer with extensive experience in designing electrical systems. He has produced detailed design packages including plan drawings, one-line diagrams, calculations, permit applications and energy code required forms. He designed emergency generator systems, lighting controls/distributions systems, heat trace systems, life safety systems and power distribution systems. He conducted short circuit and arc flash studies using EZ Power and SKM software for code required ratings. Analyzed hazardous area installations based on Structural Codes and NFPA standards. He ensured projects met state and client regulations in addition to the National Electric Code standards.

RELEVANT EXPERIENCE

P-315 Mess Hall Design-Bid-Build, Marine Corps Recruit Depot, San Diego, California. NAVFAC Southwest. Electrical Engineer. Lead Electrical Engineer on the design of P-315 Mess Hall, located at MCRD San Diego. Responsible for utility service coordination and power design. Produced load summary document for the building utilizing diversity factors as required by code. The design included new 1,600A switchgear, low voltage branch panels and circuiting for HVAC and kitchen equipment. Produced schematic design drawings that included power plan drawings, one-line drawing, specifications, panel schedules, load summary calculations and details. Michael Baker provided design-bid-build services and prepared a pre-final design submittal for the construction of the P-315 Recruit Mess Hall located at the Marine Corps Recruit Depot in San Diego, California. The new facility will be a single-story, 94,000-square-foot dining hall to replace the existing Recruit Mess Hall (Building 569) that has reached its lifespan. All areas of the new facility were designed in compliance with the Americans with Disabilities Act (ADA) regulations and the Architectural Barriers Act (ABA).

P-2401 Child Devel Ctr PDA, Marine Corps Base Camp Pendleton, California. NAVFAC Southwest. Electrical Engineer. Produced pricing documents and conceptual drawings for a 40,000 sq ft child development center. Produced one-line diagram, load summary documents, site lighting and site power plan. Performed field walk and analyzed existing building and site conditions to determine the best route for project to take.

Michael Baker
INTERNATIONAL

Years with Michael Baker
2

Years of Experience
8

Education

B.S.E.E., 2015, Electrical Engineering, Washington State University

Licenses/Certifications

Professional Engineer - Electrical, California, 2021, E23757



JEREMY FRANZINI, PLA | *Park Design*



Mr. Franzini is a landscape architect with extensive experience managing and designing landscape architectural projects throughout southern California. His expertise includes landscape design, urban design, site planning, community facilitation, conceptual and schematic design, Master Plans, construction documents, specifications, cost estimates, and project management for public and private projects. His ability to creatively balance artistic and scientific principles results in projects that are beautiful, safe, and enjoyable. Many of his projects incorporate sustainable and green design principles that create lasting benefits for both the Client and the environment.

RELEVANT EXPERIENCE

Trancas Canyon Park, Malibu, California. *City of Malibu.* Project Manager. Responsible for managing the preparation of the Park Master Plan and park construction documents for a 13.5 acres undeveloped site in Malibu, CA. The landscape architectural and engineering services included schematic plans, community workshops, park master plan, final construction plans, specifications, cost estimates, and client coordination. Michael Baker prepared a park master plan and construction documents for a 13.5-acre site. The park is located in an undeveloped canyon in a residential neighborhood with views of the Pacific Ocean. The park includes a multiuse turf field, children's play areas, picnic areas with shade structures, a dog park, Americans with Disabilities Act-compliant walkways, parking, and a storage building. Michael Baker prepared three schematic park designs for discussion purposes and facilitated several community workshops to help build design consensus.

Clews Horse Ranch, San Diego, California. *Clews Horse Ranch.* Landscape Architect. Responsible for preparing plans, specifications, and estimates for planting and irrigation improvements. Michael Baker designed grading and water improvements for Clews Horse Ranch, an existing equestrian facility that was relocated and expanded to provide greater amenities. The new facility included two single-family residences; a farm employee residence; and a commercial boarding facility with a pasture, trails, and open space on a 38.44-acre site. At its new location, the facility continues as a working ranch and will include corrals, a new barn, a round pen, a walker, a clubhouse, two arenas, bleachers, a wash rack, tack rooms, an office, foaling pens, and stud pens.

Calavera Hills Community Park Gateway Improvement, Carlsbad, California. *City of Carlsbad.* Landscape Architect. Responsible for preparing plans, specifications, and estimates for the park improvements, hardscape, planting, and irrigation. Michael Baker provided engineering services for the Calavera Hills Community Park Gateway Improvements project located at the intersection of Carlsbad Village Drive and Glasgow Drive. Plans for the 21-acre park include the layout of pedestrian walks, picnic shelter pad, and cross fit training stations. Irrigation, landscape planting design, shade structures, and site furnishings are also part of the project design. Site furnishings include picnic tables, benches, drinking fountain, litter receptacles, barbecue grills, and hot coal containers. The construction plans include grading, drainage, and erosion control as well as electrical plans. Once complete, the project will provide for existing and future park facilities with a balance of active and passive recreational opportunities.

Michael Baker INTERNATIONAL

Years with Michael Baker
22

Years of Experience
28

Education

M.L.A., 1996, Landscape Architecture, Texas A&M University

B.S., 1993, Environmental Studies, University of California, Santa Barbara

Licenses/Certifications

Landscape Architect, California, 2001, 4514



Response Template

Project Understanding

Michael Baker International, Inc. has provided professional engineering design and environmental services to agencies for over 30+ years. Our design services include conceptual and final design plans, specifications, and estimates for the park improvement plans.

Currently, the Gateway Park is considered to be a pet friendly park. The City is wanting to implement a Dog Park which will create a designated zone for off-leash dog use with a separation for small and large dogs. The revitalization project will also include a dog wash area, two shade structures with seating, and a path. The dedicated zones for dogs will improve safety in the park and create a cohesive environment for park goers, homeowners in the area, and maintenance servicers of the park.



Due to the quick turnaround time for this project, the conceptual plan will be laid out and analyzed while the site is being surveyed. This will occur immediately after the execution of the project and shall include follow up meetings throughout the first week. During the conceptual phase details regarding the signage, dog wash area, shade structures, path surface material, sprinkler spray radius, and other design considerations will be established. Once it has been approved by the City, the Plans, Specifications, and Estimate (PS&E) will begin. If necessary, the team assembled will be able to work overtime to submit the 90% plans, address comments, and the final PS&E package.

For purposes of this project, Michael Baker will assume the following:

- The water and sewer connections necessary for the dog wash area shall be connected to the existing lines going to the restroom.
- The proposed paths within the gated areas shall minimize impervious material. Impervious area shall be less than 5,000 square feet so a WQMP is not triggered.
- Location of the shade structures will be reanalyzed with the sprinkler head locations, impervious square footage, and ADA requirements in mind.

Work Plan / Approach

TASK 1 **PROJECT MANAGEMENT, COORDINATION AND MEETINGS**

Task 1.1 **Project Management, Coordination and Meetings**

Michael Baker shall work with the City of Moreno Valley to schedule a project kickoff meeting (pre-design meeting) as well as planned status meetings with the City. Additional meetings with City Departments, City of Moreno Valley's sub-consultants as well as other key stakeholders will be scheduled and attended as necessary. A total of twelve (12) meetings is assumed in this task.

On a monthly basis, Michael Baker will issue invoices and progress reports to the City detailing major items worked on during the billing period as well as percentage complete for each task. This report will include all necessary back up and will serve to establish internal accounting methods and procedures acceptable to the City for documenting and monitoring contract costs.



It is understood that the City explicitly understands that project management, meetings, and coordination will be billed on a time and materials basis. Should the budgetary hours be exceeded, Michael Baker will notify the City and request a contract amendment for additional hours.

TASK 2 RESEARCH AND INVESTIGATION

Task 2.1 Research and Investigation

Michael Baker's design team shall identify existing site conditions pertinent to the design and chosen location of the ADA ramp and dog park site. This investigation shall include the following components:

- Established right-of-way and private property boundaries
- Established easements
- Existing wet and dry utilities
- Analysis of existing available environmental data pertaining to the Project Site obtained from appropriate jurisdictional agencies and information supplied by the City.
- Review of jurisdictional agency grading requirements and conditions.

Assumptions:

The City shall provide existing Improvement As-builts, Drainage and Environmental Reports, pertaining to the park and immediate surrounding areas for Michael Baker review.

TASK 3 SURVEY AND CONTROL

Task 3.1 Aerial Topographic Mapping

Michael Baker shall prepare an Aerial Topographic Map of the project site, at a scale of 1"=40', with one foot contour intervals. The work shall include:

- Preparation of a flight plan and layout of ground control targets
- Field surveying services to set ground control panels and survey their precise positions on the appropriate coordinate system basis
- Aerial photogrammetric and aerotriangulation services
- Compilation of planimetric and topographic features to digital medium
- Perform field survey check profile observations and office analysis of said observations to check ground truth of the compiled map within accepted standards

Task 3.2 Supplemental Topographic Survey

In addition to the Aerial Topographic Survey included in Task 3.1 above, Michael Baker shall perform a supplemental field topographic survey to show more detailed information as needed by the engineering team for design.

The location of the following ground surface and/or visible underground items are the primary target of this survey:

- Existing sidewalk and ramps
- Existing Water meters
- Above ground sprinkler heads
- Electrical and other above ground dry utility items
- Sewer cleanouts (if any)
- Water meter location
- Culverts and visible storm drain system items



The following items are specifically not required and not included in this survey:

- Street cross sections
- Tree locations (as they will be captured in the aerial)

TASK 4 ENVIRONMENTAL

Task 4.1 CEQA Categorical Exemption

Class 3 Exemption (Small Structures) pursuant to CEQA Guidelines Section 15303. The Class 3 Categorical Exemption consists of construction and location of limited numbers of new, small facilities or structures; installation of small new equipment and facilities in small structures; and the conversion of existing small structures from one use to another where only minor modifications are made in the exterior of the structure.

TASK 5 LANDSCAPE AND CIVL ENGINEERING PLANS

Task 5.1 Conceptual Design and Preliminary Cost Estimate

Michael Baker will prepare a conceptual design plan showing the layout of the proposed dog park features, including the entry area into each dog park, fencing with mow curbs, gates, the arched entry area, drinking fountains, pet waste stations, trash and recycling receptacles, concrete and decomposed granite walking paths for ADA accessibility, benches, shade structures, dog park play features, hose bib for dog wash-off, and light locations. It is assumed that new hardscape will be under 5,000 ft² and no new tree, shrub, or groundcover planting with this project. Any disturbed landscaped areas will be replanted with grass to match the existing. This task will also include a preliminary cost estimate to aid with project funding identification.

Comments to the preliminary design layout will be incorporated into the construction document submittals.

Michael Baker shall perform one (1) analysis on the existing conditions of the curb return and path connecting the parking lot to the Dog Park area to determine the curb ramp conformance to current ADA requirements. The analysis will be performed utilizing supplemental survey of the area, per task above. This will assist Michael Baker to prepare a detail on the plans for an updated curb ramp. Additionally, accessible paths shall be provided to the shade structures and other seating areas.

Task 5.2 Landscape Preliminary Design Layout

The Consultant will prepare a preliminary design plan showing the layout of the proposed dog park features, including the entry area into each dog park, fencing with mow curbs, gates, the arched entry area, drinking fountains, pet waste stations, trash and recycling receptacles, concrete and decomposed granite walking paths for ADA accessibility, benches, shade structures, dog park play features, hose bib for dog wash-off, and light locations. It is assumed that new hardscape will be under 5,000 square feet and there won't be any new tree, shrub, or groundcover planting with this project. Any disturbed landscaped areas will be replanted with grass to match the existing. This task will also include a preliminary Opinion of Probable Construction Costs to aid with project funding identification. Comments to the preliminary design layout will be incorporated into the construction document submittals.

Task 5.3 90% Plans, Specifications, and Cost Estimate

Michael Baker shall prepare a PS&E 90% submittal based on the approved conceptual design plan.

Michael Baker shall prepare a cost estimate based upon the plans as described herein. Unit prices for these items shall be developed through the judicial use of City of Moreno Valley, Riverside County, and/or Caltrans recent and historical data. Local materials suppliers and contractors may be used to identify unit prices.



Michael Baker shall prepare Project Technical Specifications to supplement the Standards found in the Greenbook Standard Specifications for Public Works Construction (“Greenbook”). Michael Baker shall prepare a section in the Technical Specifications for each item listed in the Bid Sheet. In each section, Michael Baker shall at least provide measurement and payment clauses to reinforce or supplement those found in the Greenbook.

Michael Baker makes no representation concerning the estimated quantities and cost figures made in connection with maps, plans, specifications, or drawings other than that all such figures are estimates only, and Michael Baker shall not be responsible for fluctuations in cost factors.

Task 5.4 90% Landscape Plans, Specifications, and Cost Estimate

Michael Baker shall prepare a Landscape PS&E 90% submittal based on the approved conceptual design plan.

Michael Baker shall prepare 1”=20’ scale hardscape plans and details indicating the locations and materials to be used for the park amenities shown on the preliminary design plan.

Michael Baker will coordinate the preliminary design of the entry arch and shade structures with a nationally recognized manufacturer who will provide preliminary design plans. The plans will be preliminary and final structural plans and calculations will be deferred submittals to be permitted by the contractor post bid award. The material of the pathway around the park areas will be designed and quantified.

Michael Baker shall prepare 1”=20’ scale irrigation plans indicating type of irrigation equipment to be used, such as pipe, sleeves, valves, quick-couplers, and low-precipitation rate spray heads. It is assumed that the water meter and irrigation controller are existing and will continue to serve the project area. An irrigation legend, irrigation details, and water use calculations will be included as part of this task.

Task 5.5 Final Design (Bid Ready Improvement Plans)

The Bid Ready Final Design phase of work will incorporate the City’s comments resulting from their review of the 90% Design documents. During this effort, Michael Baker shall prepare bid ready documents. The following plan view sheets listed under “deliverables” are included as part of this task.

Task 5.6 Landscape Final Design (Bid Ready Landscape Plans)

The Bid Ready Final Design phase of work will incorporate the City’s comments resulting from their review of the 90% Design documents. During this effort, Michael Baker shall prepare bid ready documents.

TASK 6 ELECTRICAL PLANS

TASK 6.1 Site Lighting Plans and Photometric Plan

Michael Baker shall prepare 90% and Final site lighting plans for Moreno Valley Gateway Dog Park. The work includes a large dog park, small dog park, two shade structures, and walking paths. Lighting controls shall consist of integral photocells in luminaires or integration into the City's central lighting control system. For this work task, Michael Baker anticipates 1 Title Sheet, 1 Plan Sheets, and 1 Detail Sheets will be prepared in addition to specifications.

Michael Baker shall prepare a photometric plan for the Moreno Valley Gateway Dog Park to determine the locations of proposed poles and proposed illumination levels. This will be presented to and coordinated with City of Moreno Valley staff to determine what the proposed spacing will be along these sections. Consideration of overhead utilities will be incorporated into this analysis which will limit the type of light selection where minimum clearances cannot be obtained. For this work task, Michael Baker anticipates 3 photometric plan sheets.



Michael Baker shall prepare a project construction cost estimate providing the Client with an idea of probable project costs. The cost estimates will be prepared in excel format. Backup as to how the quantities and unit costs were derived can be provided upon request.

A comments matrix shall be prepared to document any comments received and Michael Baker will address all comments within the next design submittal or will provide responses and reasoning as to why comments were not addressed. This comment matrix will remain current over the lifetime of the project.

TASK 7 **BID AND CONSTRUCTION SUPPORT**

TASK 7.1 **Bid and Construction Support**

Michael Baker will work closely with the City to respond to all bid inquiries and questions relating to the plans and specifications during the bid period. Should addenda be required, our team will assist the City with their preparation. Our staff will be available during construction to review and respond to Contractor's Requests for Information (RFI's), review any change orders, and provide clarification of design intent when necessary. Michael Baker will update the construction plans to "Record Drawings" based on the as-built drawings submitted by the Contractor upon completion of the construction of the project. A maximum of fifty (50) hours is included within this Scope of Work. Should the budgetary hours be exceeded, Michael Baker will notify the City and request a contract amendment for additional hours.

REIMBURSABLES

Michael Baker will, in order to perform the previously discussed tasks, incur reimbursable expenses such as printing, reproductions, messenger services, facsimiles, vehicle mileage, and other project-specific out-of-pocket expenses necessary to achieve preparation and processing of the previously discussed tasks.

ADDITIONAL SERVICES

Services which are not specifically identified herein as services to be performed by Michael Baker are considered "Additional Services" for purposes of this Agreement. Client may request that Michael Baker perform services which are Additional Services. However, Michael Baker is not obligated to perform such Additional Services unless an amendment to this Agreement has been fully executed setting forth the scope, schedule, and fee for such Additional Services. In the event Michael Baker performs Additional Services before receipt of such executed amendment, Client acknowledges its obligation to pay for such services at Michael Baker's standard rates, within 30 days of receipt of Michael Baker's invoice.

EXCLUSIONS

Although the following tasks are not included in this scope of work, Michael Baker is available to provide consulting services relating to any of the following items if determined to be necessary:

- Public outreach;
- Other environmental documents/reports;
- Hydrology and hydraulics;
- WQMP and SWPPPs;
- Dry utility consulting;
- Irrigation controller (assumed to connect to existing irrigation controller)
- Geotechnical services;
- Structural Design and Calculations;
- Planting plans and survey;
- EMWD coordination;
- Water meter connections (assumed to connect to existing)
- Entry monument or sign design;
- Other Landscape Architecture services;
- Exhibits not specifically outlines in this scope of work;
- Demolition Plans;
- City council or commission presentations;
- Plan submittal fees;
- Any other specific services not described within this scope of work.



List of Deliverables

- CEQA Categorical Exemption
- Conceptual Design Layout on 36x24 sheet plans
- 90% PS&E Package for Civil, Landscape Architecture, and Electrical
- Final PS&E Package for Civil, Landscape Architecture, and Electrical
- Associated CAD files

Quality Assurance / Quality Control Plan

As part of our commitment to Quality Service, Michael Baker has an established QA/QC program that is implemented and appropriately scaled for each specific project, and each task order. It is structured to mitigate issues with little to no escalation. This is ensured by building in quality at every step of the process, promoting prevention rather than detection. Senior staff will conduct a formal independent project review at milestone stages. We will analyze all project documents clarity, schedule and cost control, errors and/or omissions and compliance with City requirements. Michael Baker understands that project quality is our responsibility.





Project Design Schedule

ID	Task Name	Start	Finish	Sep '24	Oct '24	Nov '24	Dec '24	Jan '25	Feb '25	Mar '25	Apr '25	May '25
1	Kick Off Meeting	Mon 9/2/24	Mon 9/2/24									
2	Survey/Concept Planning	Mon 9/2/24	Fri 9/6/24	■								
3	Preliminary Design	Mon 9/9/24	Fri 9/20/24	■	■							
4	City Plan Check	Mon 9/23/24	Fri 10/4/24		■							
5	100% Plans and Specs	Mon 10/7/24	Fri 10/18/24			■						
6	Bid Support	Mon 10/21/24	Fri 11/8/24				■					
7	City Council	Tue 11/19/24	Tue 11/19/24									
8	Construction Support	Mon 11/25/24	Fri 5/9/25									



Qualifications

Founded in 1940, Michael Baker has a professional staff of more than 3,500 employees in nearly 100 offices nationwide. Our California presence includes 12 offices staffed by 560 employees. Services for the City will be managed from Michael Baker’s Temecula office. Consistently ranked by Engineering News-Record among the top 10% of the largest U.S. design firms, Michael Baker is a leading global provider of engineering and consulting services, which include transportation, survey, construction management, planning, architectural, environmental planning and permitting, program management, and full life-cycle support services. Our firm provides its comprehensive range of services and solutions in support of United States federal, state, and municipal governments, and a wide range of commercial clients. With a strong California presence for more 84 years, Michael Baker has grown and prospered without losing sight of its primary purpose: ***Creating value for our clients by delivering innovative and sustainable solutions for infrastructure and the environment.***



Our full-service project team is committed to providing responsive, client-centered communication, and efficient, project-specific solutions. Our project leadership team emphasizes Michael Baker’s commitment to providing quality professional planning, engineering, and design services to our clients from the initiation of each project through final acceptance by the client and ultimately the public. Our firm expertise includes transportation and traffic engineering; civil, structural, and electrical engineering; environmental planning; stormwater management and water quality design; public outreach; surveying and mapping; geographic information system (GIS); and construction management services which we have implemented on similar projects throughout Southern California

Sub-Consultant(s)

Michael Baker is a multi-discipline firm and can provide all services required to complete this project in-house. Should an unknown issue arise requiring the use of a specialty subconsultant, Michael Baker will notify the City prior to bringing the sub onboard.

Previous Experience

GLEN ARBOR DOG PARK | City of Murrieta, Riverside County, CA



Michael Baker provided Professional Engineering Design services in preparing survey mapping, site research, environmental documents, stormwater analysis, structural bridge feasibility analysis, precise grading and estimates for the Glen Arbor Dog Park Project.

Currently, the Glen Arbor Park allow for off-leash dog use in all areas without restriction. The Glen Arbor Dog Park Project would create a designated zone for off-leash dog use with separation for small and large dogs. The dedicated zones for dogs would improve safety in the park and create a cohesive environment for park goers, homeowners in the area, and maintenance servicers of the

YEAR STARTED/COMPLETED
2022-2024

REFERENCE
Brian Crawford
(951) 461-6047

RELEVANCE

- Park Improvements
- Dog Park
- ADA Compliance



park. The proposed improvements include a parking lot, ADA path of travel to the proposed dog park, ADA ramp compliance, dog park site grading, and dog park site features, as well as any necessary drainage and water quality mitigation.

SALK NEIGHBORHOOD PARK AND JOINT USE DEVELOPMENT | City of San Diego, San Diego, CA



Michael Baker provided design services for this development located adjacent to the Salk Elementary School and Maddox Park within the Mira Mesa Community that includes 4.1 acres of new park area and 2.0 acres of joint-use area with Salk Elementary.

The park improvements will include a new monument sign, concrete Americans with Disabilities Act (ADA) accessible sidewalks, shaded picnic areas, multi-use fields for soccer and baseball/softball, a decomposed granite walking/jogging path, restrooms, a children's play area, benches, and a trailhead.

YEAR STARTED/COMPLETED
2016 - 2023

REFERENCE
Emily Hubbard, RLA, Park Project Manager
(858) 790-1120

- RELEVANCE**
- Park Improvements
 - Dog Park
 - ADA Compliance

Michael Baker will facilitate a variety of public workshops to develop a community based general development plan that will be presented to the Parks and Recreation Department for approval. Upon approval, Michael Baker will prepare final construction plans, specifications, and estimates (PS&E) for review and approval by the City.

BONSALL COMMUNITY PARK PROJECT | San Diego County, CA



Michael Baker assisted the San Diego County Parks and Recreation Department with the development of the Bonsall Community Park, a 62-acre site. It conducted a series of community workshops to develop park designs that fit the goals of the community and to integrate it into the overall San Luis Rey River master plan. The first workshop listened to the community's needs and presented park amenity options. Options were

also presented in an online survey. Based on the results, Michael Baker developed an active and passive park option to obtain additional community input before preparing the final park master plan. Currently, it is preparing plans, specifications, and estimate for various park improvements.

YEAR STARTED/COMPLETED
2020 - 2024

- RELEVANCE**
- Park Improvements
 - Dog Park Facilities
 - ADA Compliance

WATERFRONT PARK IMPROVEMENTS PROJECT | San Diego County, CA



Michael Baker provided design and planning services for renovations to Waterfront Park, situated on the most significant waterfront open space in downtown San Diego. The landmark county building is at the park's center and includes interactive splash fountains, a large

civic green, a play zone, and picnic areas. Michael Baker is facilitating community meetings, preparing a new park master plan focused on adding active recreation elements, assisting with the Coastal Development Permit application through the California Coastal Commission, and preparing final construction plans.

YEAR STARTED/COMPLETED
2021 - 2023

- RELEVANCE**
- Park Improvements
 - Dog Park Facilities
 - ADA Compliance



Resource Allocation Matrix

Task	Hours																Michael Baker Hours
	QA/QC Manager	Project Manager	Civil/Traffic Designer	Civil/Traffic Associate	Civil/Traffic Graduate	Senior Landscape Architect	Landscape Architect	Landscape Designer	Environmental Manager	Environmental Lead	Environmental Associate	Electrical Engineer	Survey Technical Manager	Field Chain Person	Survey Mapper	Licensed Surveyor	
Task 1 Project Management, Coordination, and Meetings	4	24	8	8	8	12	4	6	0	0	0	0	0	0	0	0	74
1.1 Management and Meetings	4	24	8	8	8	12	4	6									74
Task 2 Records Research	0	2	0	8	8	0	0	0	0	0	0	0	0	0	0	0	18
2.1 Research and Investigation		2		8	8												18
Task 3 Survey	0	4	4	0	0	0	0	0	0	0	0	0	20	24	12	8	72
3.1 Aerial Topographic Mapping		4											12	12	8	4	40
3.2 Supplemental Topographic Survey			4										8	12	4	4	32
Task 4 CEQA Categorical Exemption	0	1	0	0	0	0	0	0	2	8	4	0	0	0	0	0	15
4.1 CEQA Categorical Exemption		1							2	8	4						15
Task 5 Civil Design	24	32	70	100	110	45	45	92	0	0	0	0	0	0	0	0	573
5.1 Conceptual Design and Preliminary Cost Estimate	8	8	20	30	35												101
5.2 Landscape Preliminary Design Layout		4				18		32									54
5.3 90% Plans, Specifications, and Cost Estimate	8	8	35	50	55												156
5.4 90% Landscape Plans, Specifications, and Cost Estimate		4				27	45	60									136
5.5 Final Design (Bid Ready Improvement Plans)	8	8	15	20	20												71
5.6 Landscape Final Design (Bid Ready Improvement Plans)		2				13	18	22									55
Task 6 Electric Design	0	4	0	8	0	0	0	0	0	0	0	53	0	0	0	0	65
6.1 Site Lighting Plans and Photometric Plan		4		8								53					65
Task 7 Bid and Construction Support	0	12	8	0	0	0	10	10	10	0	0	0	0	0	0	0	50
7.1 Bid and Construction Support		12	8				10	10	10								50
SUBTOTAL HOURS AND FEE:	28	79	90	124	126	57	59	108	12	8	4	53	20	24	12	8	852



Additions or Exceptions to the City's Request for Proposal

We appreciate the opportunity to preview the sample professional services agreement that will be utilized by the City for this project. Michael Baker has contracted on thousands of projects over our 84-year history and is confident in our ability to come to mutually acceptable terms with all of our clientele. Upon selection of this proposal, we would respectfully request the opportunity to discuss certain of the contract terms with the City due to the professional standard of care required for performance of services, insurance commercially available, and professional experience.

8. Special Terms and Conditions

Termination

A. If, in the reasonable opinion of the City of Moreno Valley, Provider materially fails to perform or provide prompt, efficient service, the City must have the right to terminate or cancel the Agreement upon 5- day's written notice, and pay Provider for the value of the actual work satisfactorily performed to the date of termination, provided, however, that prior to such termination City shall be required to provide written notice to Consultant of such failure, and Consultant shall have no less than ten (10) business days to cure such failure prior to City's ability to terminate for cause.

Explanation: Termination for cause is a serious penalty that could impact Michael Baker's ability to perform work for other public agencies. As such, Michael Baker should be notified of any claims of default and provided opportunity to cure prior to termination for cause.

B. The City of Moreno Valley must have the right to terminate or cancel the Agreement upon 30- day's written notice without cause and pay Provider for the value of actual work ~~satisfactorily~~ performed in accordance with the Standard of Care to the date of termination.

Explanation: "Satisfactorily" is subjective; Michael Baker will perform for the common-law standard of care.

9.2 Scope of Professional Consultant Design Services

Construction Phase Services

Reviewing ~~and approving~~ shop drawings to be submitted by the contractor as per the PS&E package

Explanation: Michael Baker does not approve shop drawings. Per our standard terms and conditions we state the following: "If MICHAEL BAKER reviews any shop drawing, product data, samples or other submittal as a part of the Services, such review is limited to checking for general conformance with the design concept contained in the final released for construction design of MICHAEL BAKER, and no other purpose whatsoever."

9.15 Special Terms and Conditions

Termination

A. If, in the reasonable opinion of the City of Moreno Valley, Provider materially fails to perform or provide prompt, efficient service, the City must have the right to terminate or cancel the Agreement upon 5- day's written notice, and pay Provider for the value of the actual work satisfactorily performed to the date of termination, provided, however, that prior to such termination City shall be required to provide written notice to Consultant of such failure, and Consultant shall have no less than ten (10) business days to cure such failure prior to City's ability to terminate for cause.



Explanation: Termination for cause is a serious penalty that could impact Michael Baker's ability to perform work for other public agencies. As such, Michael Baker should be notified of any claims of default and provided opportunity to cure prior to termination for cause.

B. The City of Moreno Valley must have the right to terminate or cancel the Agreement upon 30- day's written notice without cause and pay Provider for the value of actual work ~~satisfactorily performed~~ in accordance with the Standard of Care to the date of termination.

Explanation: "Satisfactorily" is subjective; Michael Baker will perform for the common-law standard of care.

D. All finished or unfinished drawings, maps, documents, field notes and other materials produced and procured by the Consultant under the said aforementioned Agreement is, at the option of the City, and following final payment to Consultant, City property and shall be delivered to the City by the Consultant within ten (10) working days from the date of such ~~termination~~ final payment. The City will reimburse the Consultant for all ~~acceptable~~ work performed in accordance with the Standard of Care as set forth in the executed Agreement.

Explanation: City may have ownership of all work for which it pays.

Indemnification

For design professional services, to the fullest extent permitted by law, including but not limited to Civil Code Section 2782.8, in performing "design professional services" as defined in Section 2782.8, the Consultant agrees to indemnify, ~~defend, and save~~ the City, the Moreno Valley Community Services District (CSD), and the Moreno Valley Housing Authority (MVHA), their officers, ~~agents~~ and employees ~~harmless from any and all~~ third party liability, claims, demands, damages, or injuries to ~~any persons,~~ including injury to the Consultant's employees, and all claims ~~which~~ to the extent caused directly ~~arise from or are connected with~~ by the negligent, reckless, or willful misconduct in the performance ~~of or failure to perform~~ the work or other obligations of the Consultant under this RFP and/or related Agreement, or ~~are~~ to the extent such are caused ~~or claim to be caused~~ directly by the negligent, reckless or willful misconduct of the Consultant, its officers, agents or employees, or its subconsultant(s) or any person ~~acting for the Consultant or under its control or direction~~ for whom the Consultant is legally liable; provided, however, that this indemnification and hold harmless shall not include claims to the extent arising from the ~~sole~~ negligence or willful misconduct or other fault or wrongdoing of the City, MVHA, and CSD, their officers, agents, or employees.

Explanations: Duty to defend is uninsurable.

Save harmless carries connotations that may not be insurable.

"Agents" is a broad terms that should be better defined or removed.

For all non-design professional services, Consultant shall indemnify, ~~defend, and save~~ the City, the Moreno Valley Community Services District (CSD), and the Moreno Valley Housing Authority (MVHA), their officers, ~~agents~~ and employees ~~harmless from any and all~~ third party liability, claims, demands, damages, or injuries to ~~any persons,~~ including injury to the Consultant's employees and all claims to the extent caused directly by the negligent acts, errors, or omissions of Consultant in its ~~which arise from or are connected with the performance of or failure to perform the work or other obligations of the Consultant,~~ or to the extent such are caused ~~or claim to be caused~~ by the negligent acts of the Consultant, its officers, agents or employees, or its subconsultant(s) or any person ~~acting for the Consultant or under its control or direction~~ for whom Consultant is legally liable; provided, however, that this indemnification and hold harmless



shall not include claims to the extent arising from the ~~sole~~ negligence or willful misconduct or other fault or wrongdoing of the City, MVHA, and CSD, their officers, agents or employees.

Attachment B: Special Provisions

~~Hold Harmless and Indemnification: The successful bidder hereby agrees to indemnify, defend, and hold harmless City (including its officials, officers, agents, employees, and representatives) from and against any and all claims of any kind or nature presented against City arising out of vendor's (including vendor's employees, representatives, and subcontractors) performance under this agreement, excepting only such claims, costs or liability which may arise out of the sole negligence or willful misconduct of City.~~

Explanation: Please see edits to indemnification language in the RFP. This language does not comply with California Civil Code 2782. Michael Baker does not accept this language and requests it be replaced with the bluelined language in the RFP.



Required Statements

- A. This RFP shall be incorporated in its entirety as a part of Michael Baker's Proposal.
- B. This RFP and the Michael Baker's Proposal will jointly become part of the Agreement for Professional Consultant Services for this project when said Agreement is fully executed by Michael Baker and the City of Moreno Valley.
- C. Michael Baker's services to be provided, and fees therefore, will be in accordance with the City's RFP except as otherwise specified in the Proposal under the heading "ADDITIONS OR EXCEPTIONS TO THE CITY'S REQUEST FOR PROPOSAL."
- D. A single and separate section with the heading "ADDITIONS OR EXCEPTIONS TO THE CITY'S REQUEST FOR PROPOSAL" (if needed) is provided above, containing a complete and detailed description of all of the exceptions to the provisions and conditions of this RFP upon which Michael Baker's Proposal is contingent and which shall take precedent over this RFP.
- E. This statement of qualifications includes the names, qualifications and proposed duties of the Michael Baker staff to be assigned to this project; a listing of recent similar projects completed including the names, titles, addresses and telephone numbers of the appropriate persons whom the City could contact, is located in the Executive Summary and Professional Team Assignment. If one or more of Michael Baker's staff should become unavailable, a substitute other staff of at least equal competence only after prior written approval by the City, may be provided. Michael Baker's list of available staff for such substitution is provided in the section Proposal Team Assignments.
- F. A resource allocation matrix is provided in the Response Template section and lists resource allocations broken down by tasks. The appropriate individual (Job Title Only) as well as the number of hours that these individuals will be working on each task listed, is included in adjacent columns.
- G. Sub-consultant's (including relief personnel) qualifications applicable to this project including the names, qualifications and proposed duties of the sub-consultant's staff to be assigned to this project is provided in the Response Template section under Sub-Consultant and includes a listing of recent similar projects completed including the names, titles, addresses, and telephone numbers of the appropriate persons whom the City could contact.
- H. Michael Baker acknowledges and understands that we will not be allowed to change any sub-consultants without written permission from the City.
- I. All charges for Michael Baker's services is a "Not-to-Exceed" Fee which includes conservatively estimated reimbursable expenses, as submitted with and made a part of this Proposal.
- J. Michael Baker will document and provide the results of the work to the satisfaction of the City. This may include preparation of office/field and final reports, or similar evidence of attainment of the Agreement objectives.
- K. Michael Baker will immediately document and notify the City of any defects or hazardous conditions observed in the vicinity of the project site prior, during, or after the construction work.
- L. A copy of Michael Baker's hourly rate schedule is provided in the Cost Proposal, under separate cover, and is part of Michael Baker's Proposal for use in invoicing for progress payments and for extra work (if prior approved) incurred that is not part of the RFP. An itemized cost breakdown for the work described herein is also provided in the Cost Proposal file. Michael Baker understands that all extra work will require prior approval from the City.
- M. Michael Baker will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin.
- N. All federal laws and regulations shall be adhered to notwithstanding any state or local laws and regulations. In a case of conflict between federal, state or local laws or regulations the strictest shall be adhered to.



O. Michael Baker shall allow all authorized federal, state, county, and City officials access to place of work, books, documents, papers, fiscal, payroll, materials, and other relevant contract records pertinent to this special project. All relevant records shall be retained for at least three (3) years.

P. Michael Baker shall comply with the Davis-Bacon Fair Labor Standards Act (40 USC 276-a through a-7), and the implementation regulations issued pursuant thereto (29 CFR Section 1, 5), any amendments thereof and the California Labor Code. Pursuant to the said regulations, entitled "Federal Labor Standards Provisions," Federal Prevailing Wage Decision" and State of California prevailing wage rates, respectively.

Q. Michael Baker shall comply with the Copeland Anti-Kickback Act (18 USC 874) and the Implementation Regulation (29 CFR 3) issued pursuant thereto, and any amendments thereof.

R. Michael Baker offers and agrees to assign to the City all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 USC Sec. 15) or under the Cartwright Act (Chapter 2 [commencing with Section 16700] of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services, or materials pursuant to the public works or the subcontract. This assignment shall be made and become effective at the time the City tenders final payment, without further acknowledgment by the parties.



Required Forms

A. Attachment A - Required Response Template

Attachment A: Required Response Template

Michael Baker International

(Bidder's Company Name)

Instructions:

Prospective proposers must provide the information requested below and include it in their proposal. City has provided the form as a separate Word document for bidder's use.

Use this form or copy and paste it into your own document; in either case, please provide your responses under each of the number points. Do not omit or renumber any sections. Refer to attached documents sparingly and only as necessary; and ensure that any documents referred to are numbered according to the outline below.

I. Company Information: Name, Contacts, History, Scope of Services

Please provide the following information about your company:

- A. Your company's full legal name, address, phone, fax, email, website.
Michael Baker International, LLC
40810 County Center Drive, Suite 200
Temecula, CA 92591
(951) 676-8042 or Contact: Lonnie Druliner (951) 506-2072
Lonnie.Druliner@mbakerintl.com
www.mbakerial.com
- B. Prior company names (if any) and years in business; mergers, buyouts, etc.
Robert Bein, William Frost & Associates; RBF Consulting
84 Years in Business
No current mergers or buyouts are known at this time.
- C. Organizational structure (i.e. corp., LLC, sole proprietorship, etc.).
Pennsylvania Corporation
- D. Names and titles of the principal owner(s).
Thomas Campbell, Chairman
- E. Person(s) authorized to make commitments for your company.
Steven Latino, PE, TE, Associate Vice President
Christopher Alberts, PLS, Vice President
- F. Company history, experience, years in business for current company name.

Michael Baker International, Inc. (Michael Baker) was founded in 1940 as a civil engineering and surveying. Today, Michael Baker is recognized as a leading global provider of engineering and consulting services, which include traffic & ITS, planning, architectural, environmental, construction, program management, and full life-cycle support services. Our firm provides its comprehensive range of services and solutions in support of a wide range of clients. Leveraging our collective expertise and experience we



strive to make them safer, more accessible, more environmentally sustainable and more livable. We are change agents, leading our partners around the world into the future. Our greatest differentiator, though, is our employees who demonstrate a world-class ability to solve complex problems. We reward innovation and collaboration that leads to the best solutions for our clients.

Michael Baker has a strong California presence with over 575 employees in 12 office locations throughout the state.

- G. Annual company revenues for the last three fiscal years.
2021 – \$715,788,762
2022 – \$791,825,145
2023 – \$906,525,128
- H. Tax ID number.
25-1228638
- I. The complete scope of services offered by your company.
Michael Baker is a multi-discipline firm providing planning, environmental planning, landscape architecture, urban design, survey/mapping, GIS, transportation planning and design, traffic engineering, aviation planning and design, water resources, surface water management, structural engineering, MP&E services, land development, and construction management.
- J. The number of clients (including governmental) served in past and present.
5,798
- K. Special qualifications, training, credentials, recognition, or awards.
Michael Baker professionals that are rewarded for keeping their training, credentials, and registrations up to date. We have also been recognized by several organizations for outstanding project awards, including American Society of Civil Engineers, Society of American Military Engineers, Women in Transportation, American Public Works Association, and others.
- L. Contracts terminated for cause, pending litigation or legal issues.
Due to the nature of professional services, frequently there are misunderstandings about responsibility and culpability resulting in Michael Baker periodically becoming involved in litigation, which is usually dismissed or settled by mutual agreement.

After a reasonable investigation and inquiry to our legal department, the preparer of this response is not aware of any instances within the last five (5) years where Michael Baker has been terminated for default. Michael Baker is subject to litigation as is typical in the industry in which it operates.



B. Attachment B - Special Provisions Form

Attachment B: Special Provisions

All items below apply to this bid proposal:

Hold Harmless and Indemnification: The successful bidder hereby agrees to indemnify, defend, and hold harmless City (including its officials, officers, agents, employees, and representatives) from and against any and all claims of any kind or nature presented against City arising out of vendor's (including vendor's employees, representatives, and subcontractors) performance under this agreement, excepting only such claims, costs or liability which may arise out of the sole negligence or willful misconduct of City.

Insurance Provisions: Unless otherwise stated in the RFP specifications, the following insurance requirements apply:

1. Comprehensive General Liability Insurance: (include products liability) \$1,000,000 per occurrence.
2. Auto Liability Insurance: \$1,000,000 per occurrence, combined single limit (CSL).
3. Workers' Compensation Insurance: as required by State statutes.
4. Employer's Liability Insurance: \$1,000,000 per accident; \$1,000,000 policy limit for disease.
5. All policies of insurance must provide for a minimum of thirty (30) days written notice of any change or cancellation of the policy.
6. Insurance policies to be in a form ad written through companies acceptable to City; and must include those endorsements which are necessary to extend coverage which is appropriate to the nature of the agreement.

Affirmative Action: In support of Affirmative Action, City requires all suppliers to comply with Title VII of the Civil Right Act of 1964, as amended, the Civil Rights Act of 1992, and all federal, state, and municipal laws and regulations pertaining thereto. In addition, successful bidders must certify prior to award of contracts in excess of \$50,000 that they have a written affirmative action plan in compliance with the above laws and regulations, and such plan may be reviewed by City. Said Certification may be made by signing below:

Certified to above - FIRM: Michael Baker International
 SIGNATURE: _____
 PRINT NAME: Steven Latino
 TITLE: Associate Vice President

Exceptions: If your company is taking exception to any of the specifications, terms or conditions (including insurance, indemnification and/or proposed contract language) stated in this Request for Proposal, please indicate below and describe details: (check any that apply).

- _____ No exceptions taken
- _____ Exception taken to the scope of work or specifications
- X _____ Exception taken to indemnification and insurance requirements
- X _____ Exception to proposed contract language
- _____ Other



Please explain any of the checked items:

See section "Additions or Exceptions to the City's Request for Proposal" above.

Note: Taking exception to City's requirements without approval of City prior to submission of your proposal may be cause for rejection of the proposal.

PROPOSING FIRM: Michael Baker International DATE: August 14, 2024

BUSINESS ADDRESS: 40810 County Center Drive, Ste 200, Temecula, CA 92591

SIGNATURE OF REPRESENTATIVE: 

BY: Steven Latino TITLE: Associate Vice President

INSTRUCTION REGARDING SIGNATURE: If bidder is an individual, state "Sole Owner" after signature. If bidder is a partnership, signature must be by a general partner, so stated after "Title". Names of all other partners and their business addresses must be shown below. If bidder is a corporation, signature must be by an authorized officer, so stated after "Title", and the names of the President and Secretary and their business addresses must be shown below:

<u>Brian Lutes, President</u>	<u>500 Grant St, Ste 5400, Pittsburgh, PA 15219</u>
<u>Stephanie Long, Chief Financial Officer</u>	<u>500 Grant St., Ste 5400, Pittsburgh, PA 15219</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>



C. Attachment C - Client Reference List

1. Client's Company Name:	San Diego County
Client Address:	5510 Overland Avenue, Ste 410, San Diego, CA 92123
Contact's Name:	Emily Hubbard
Contact's Title	Park Project Manager
Contact's Telephone & FAX:	858-790-1120
Contact's Email:	Emily.hubbard@sdcounty.ca.gov
Scope of Services/Products Provided:	Design services for this development located adjacent to the Salk Elementary School and Maddox Park within the Mira Mesa Community that includes 4.1 acres of new park area and 2.0 acres of joint-use area with Salk Elementary.
Project Completion Date & Value:	1/31/2023, \$500,000

2. Client's Company Name:	City of Murrieta
Client Address:	One Town Square, 24601 Jefferson Ave., Murrieta, CA 92562
Contact's Name:	Brian Crawford
Contact's Title	Senior Program Manager
Contact's Telephone & FAX:	951-461-6047
Contact's Email:	bcrawford@murrietaca.gov
Scope of Services/Products Provided:	Design services in preparing survey mapping, site research, environmental documents, stormwater analysis, structural bridge feasibility analysis, precise grading and estimates for the Glen Arbor Dog Park Project.
Project Completion Date & Value:	9/30/2024, \$251,600

3. Client's Company Name:	County of San Diego Parks and Recreation
Client Address:	5500 Overland Avenue, Suite 410, San Diego, CA 92123
Contact's Name:	Jen Sabo Spencer, PLA, LEED-AP
Contact's Title	Senior Park Project Manager
Contact's Telephone & FAX:	858-776-8399
Contact's Email:	jen.spencer@sdcounty.ca.gov
Scope of Services/Products Provided:	Development of the Bonsall Community Park, a 62-acre site. Developed an active and passive park option to obtain additional community input before preparing the final park master plan. Preparing plans, specifications, and estimate for various park improvements.
Project Completion Date & Value:	9/30/2024, \$1,018,989

4. Client's Company Name:	County of San Diego Parks and Recreation
Client Address:	5500 Overland Avenue, Suite 410, San Diego, CA 92123
Contact's Name:	Amy Hoffman, PLA, Sites AP
Contact's Title	Park Project Manger
Contact's Telephone & FAX:	619-695-6003



Contact's Email:	amy.hoffman1@sdcounty.ca.gov
Scope of Services/Products Provided:	Design and planning services for renovations to Waterfront Park. Included the removal of the underutilized passive garden space and the incorporation of new active recreation amenities like an off-leash dog park, pickleball courts, a basketball court, a tee-ball field, outdoor fitness equipment, and outdoor table tennis, along with new stormwater treatment, landscaping, and lighting.
Project Completion Date & Value:	12/31/2023, \$264,522



D. Attachment D - Non-Collusion Affidavit

Attachment D: Non-Collusion Affidavit

Note: To be executed by Proposer and submitted with proposal.

State of CALIFORNIA
(the State of the place of business)


County of RIVERSIDE
(the County of the place of business)

STEVEN LATINO, being first duly sworn, deposes and
(name of the person signing this form)

says that he/she is ASSOCIATE VICE PRESIDENT of
(title of the person signing this form)

MICHAEL BAKER INTERNATIONAL, the party making the foregoing bid
(name of bidding company)

that such bid is not made in the interest of or on the behalf of any undisclosed person, partnership, company, association, organization or corporation; that such bid is genuine and not collusive or sham; that said bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that said bidder has not in any manner directly or indirectly sought by agreement, communication, or conference with anyone to fix the bid price of said bidder or of any other bidder or to fix any overhead profit, or cost element of such bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in such bid are true, and further, that said bidder has not directly or indirectly submitted his bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid and will not pay any fee in connection therewith, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, or to any other individual except to any person or persons as have a partnership or other financial interest with said bidder in the general business.

By: 
(signature)

Printed Name: STEVEN LATINO
(name of the person signing this form)

Title: ASSOCIATE VICE PRESIDENT
(title of the person signing this form)

Notary is required for this bid.



ACKNOWLEDGMENT

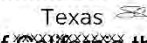
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Harris)

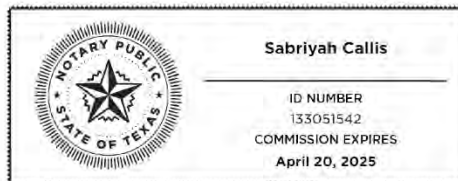
On 08/09/2024 before me, Steven Latino
(insert name and title of the officer)

personally appeared Steven Latino,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Texas 

WITNESS my hand and official seal.



Signature  (Seal)

Electronically signed and notarized online using the Proof platform.



Work Samples

A. Samples of work, queries, reports, and forms

CONSULTANT SERVICES TASK ORDER

COUNTY OF SAN DIEGO
DEPARTMENT OF PARKS AND RECREATION
DEVELOPMENT DIVISION
5500 Overland Avenue, Suite 410, (MS029)
San Diego, CA 92123

CONSULTANT: MICHAEL BAKER INTERNATIONAL, INC. CONTRACT NO: 556906

REQUEST DATE: September 12, 2019

TASK ORDER NO: 3

PROJECT: Lonny Brewer
County Park Dog Park

Check One: Standard Priority High Priority

Check One: State Prevailing Wage Rates Federal David Bacon Wage Rates

Board Policy B-39a requires DVBE participation of 3% for all Service procurements that are not exempt from the DVBE requirement, and are estimated (by the County) to exceed one million dollars annually. In the case of the indefinite delivery/indefinite quantity Service contracts (also referred to as As-Needed Services Contracts), the 3% DVBE participation will be applied to the value of each individual task order. DVBE documentation shall be submitted with the response to each individual task order. DVBE participation is always encouraged, but not required for task orders less than one million.

D.O.T. assisted projects require all Contractors/Consultants to complete Disadvantage Business Enterprise (DVBE) Forms.

1) PROJECT DESCRIPTION

Michael Baker International (Consultant) understands that the County of San Diego intends to construct a dog park at Lonny Brewer County Park. The design will include an ADA accessible walkway from the Fury Lane sidewalk to the dog park entrance, three dog park areas separated by chain link fencing (2 areas for large dogs and one area for small dogs), maintenance access gates, seating areas within the dog park, drinking fountains for both people and dogs, dog agility equipment, trash cans, shade trees, and adjusting the existing irrigation to accommodate the new design. The dog park design will meet the Parks and Recreation Dog Park Design Criteria to the extent possible.

This Task Order assumes that an AutoCAD (CAD) site topographic survey with park boundary and easements will be provided by the County for use by the Consultant as well as "As-built" plans for the park that show any existing underground utilities and irrigation system. The County will also provide the plans showing the location of the future underground storage tank.



2) TASKS

Task 1.0 – Base Map Preparation

Consultant will prepare a base map in CAD using the site topographic survey, boundaries, easements, and as-built plans provided by the County. The base map will be used by the project team to develop the conceptual design and construction documents for the dog park.

Task 2.0 - Conceptual Design

The Consultant will prepare a conceptual design plan showing the layout of the proposed park features. The conceptual design plan will be schematic in nature and will include preliminary grading to show ADA access for the walkway. The Plan will include a preliminary Opinion of Probable Construction Costs to aid with project funding identification. It is assumed that the County will circulate the plan to the appropriate County departments for input and provide the Consultant with comments to revise the plan.

Task 3.0 – Revised Conceptual Design Plan

Based on the comments provided by the County, the Consultant will revise the conceptual design plan and Opinion of Probable Construction Costs for County review and approval prior to starting the Construction Documents. It is assumed that there will one round of revisions to the conceptual design plan and any additional comments will be incorporated into the construction documents.

Task 4.0 – 75% Construction Plans Submittal

The plans will be prepared in CAD using the County's title block. It is assumed that the entire site will fit on two plan view sheets at 1"=20' scale. The plans will include:

- Title Sheet
- Grading and Drainage Plan
- Details and Cross-Sections
- Erosion Control Plan
- Construction Plans
- Planting Plans, Legend, and Details
- Irrigation Modification Plan

Task 5.0 - Storm Water Intake Form

Consultant will prepare the County of San Diego Storm Water Intake Form to ensure that the project is a "Standard Development Project" and does not trigger pollutant-control or flow-control requirements.

Task 6.0 – Technical Specifications

The County will be responsible to prepare the specification general provisions for bidding the project. Consultant will prepare the technical portions of the construction specifications in MasterFormat (CSI).



Task 7.0 - Opinion of Probable Construction Costs

Consultant will provide an Opinion of Probable Construction Costs based on the 75% construction documents.

Task 8.0 – 100% Construction Documents Submittal

Consultant will address the County’s 75% review comments and develop the construction documents for the 100% submittal. The submittal will include:

- 100% Construction Documents in .pdf format
- Storm Water Intake Form
- Technical Specifications
- Opinion of Probable Construction Costs / Bid Form

Task 9.0 - Standard Project SWQMP

Consultant will prepare the County of San Diego Standard Project SWQMP, which includes checklists for construction and permanent storm water BMP’s.

Task 10.0 – Final Construction Documents Submittal

Consultant will address the County’s 100% review comments and prepare the construction documents for the final, signed submittal.

Task 11.0 – Construction Support

Consultant will answer questions and provide clarifications to the construction documents, review submittals, respond to RFI’s, attend construction meetings, prepare punch lists, and prepare final record drawings when requested by the County.

SCOPE OF WORK EXCLUSIONS

- Coordination and submittals to outside agencies
- Utility research (As-Builts will be provided by the County)
- Topographic survey (CAD file to be provided by the County)
- Improvements within public right-of-way
- Grading design over 1 acre
- SWPPP, since site disturbance will be less than 1 acre
- Priority development SWQMP (project will be “Standard Development Project” since proposed impervious area will be less than 5,000 square feet)
- Electrical/Lighting Plans
- Permits and fees
- Any other services not specifically set forth in the above Scope of Work

3) PAYMENT

Consultant agrees to perform all services specified in this Task Order and to accept no more than \$51,611.81 as full payment for completing these services. County will compensate Consultant for basic services performed under this Task Order based on the maximum amounts listed below for each Deliverable listed below. Progress payments will be made on a monthly bases as services are



completed and will be in accordance with the cost categories listed below.

TASK NO.	TASK NAME	
1.0	Base Map Preparation	
2.0	Conceptual Design	
3.0	Revised Conceptual Design	
4.0	75% Construction Plans Submittal	
5.0	Storm Water Intake Form	
6.0	Technical Specifications	
7.0	Opinion of Probable Construction Costs	
8.0	100% Construction Documents Submittal	
9.0	Standard Project SWQMP	
10.0	Final Construction Documents Submittal	
11.0	Construction Support	
	Reimbursable Expenses Allowance	
	TOTAL	

4) PROJECT SCHEDULE

The schedule below assumes that the County will sign the Task Order and provide the topographic survey on or before September 30, 2019. The schedule is subject to change based on approval by both the County and Consultant. If the actual start date or survey completion changes, the project schedule will be modified and sent to the County for approval.

TASK NO.	TASK NAME	COMPLETION DATE
1.0	Base Map Preparation	October 7, 2019
2.0	Conceptual Design	October 21, 2019
	<i>County Review Period</i>	November 4, 2019
3.0	Revised Conceptual Design	December 2, 2019
	<i>County Review Period</i>	December 9, 2019
4.0	75% Construction Plans Submittal	January 13, 2020
5.0	Storm Water Intake Forms	January 13, 2020
6.0	Technical Specifications	January 13, 2020
7.0	Opinion of Probable Construction Costs	January 13, 2020
	<i>County Review Period</i>	January 27, 2020
8.0	100% Construction Documents Submittal	February 17, 2020
9.0	Standard Project SWQMP	February 17, 2020
	<i>County Review Period</i>	March 9, 2020
10.0	Final Construction Documents Submittal	March 30, 2020
11.0	Construction Support	TBD



CONSULTANT ACCEPTANCE:

MICHAEL BAKER INTERNATIONAL

By: [Signature]

Date: 9.12.19

PM Approval: Tjong-Pietrzak, Judy
Digitally signed by Tjong-Pietrzak, Judy
Date: 2019.09.17 11:07:01 -0700

Date: 9.17.19

Chief Approval: Norgard, David
Digitally signed by Norgard, David
Date: 2019.09.18 11:46:10 -0700

Date: 9/18/19

FISCAL Check, Development Division

By: Theresa Vargas
Digitally signed by Theresa Vargas
Date: 2019.09.19 12:30:15 -0700

Date: 9/19/19

OWNER'S APPROVAL: COR

By: Leach, Richard
Digitally signed by Leach, Richard
Date: 2019.09.17 14:59:27 -0700

Date: 9.17.19

DISTRIBUTION: Fiscal (Original) Consultant Project Manager CBO

For Internal Use Only:

Project	1022916
Organization	7712C
Expenditure	52396
Task	002
Award	508190
Release No.	22



FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

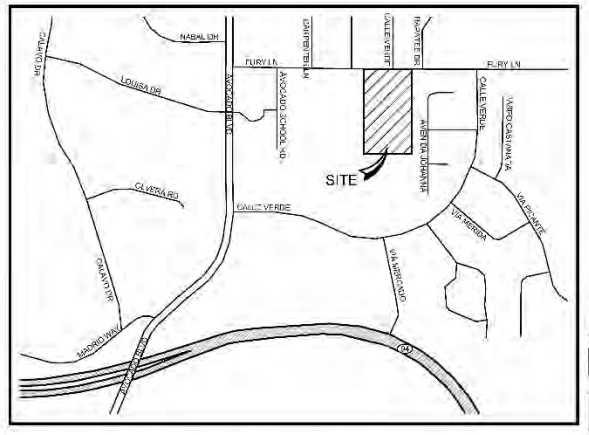


Michael Baker International logo and contact information

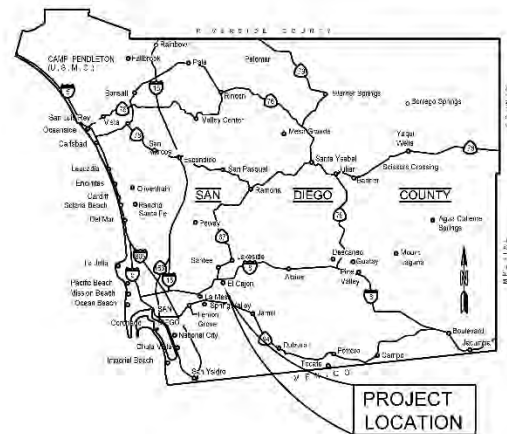
COUNTY OF SAN DIEGO, CALIFORNIA DEPARTMENT OF PARKS AND RECREATION PLANS FOR CONSTRUCTION OF LONNY BREWER COUNTY PARK

GENERAL NOTES

- 1. CONSTRUCTION SHALL CONFORM TO THE FOLLOWING: PROJECT PLANS AND SPECIFICATIONS... 2. APPROVAL OF THESE PLANS BY THE COUNTY DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT... 3. THE CONTRACTOR MUST NOTIFY THE COUNTY PROJECT MANAGER AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING ANY CONSTRUCTION...



VICINITY MAP NOT TO SCALE



SHEET INDEX

Table with columns: NO., REF., DESCRIPTION. Lists sheets from T-1 (Title Sheet) to ID-2 (Irrigation Details).

CONSULTANT LIST

Table listing Landscaping Architect (Michael Baker International) and Civil Engineer (Michael Baker International) details.

BID ALTERNATES

- 1. CONCRETE PAVING, 6" CONCRETE CURB PER SDRSD G-01, AND REINSTALL SALVAGED PRECAST CONCRETE PICNIC TABLE. 2. CONCRETE PAVING TO EXISTING PICNIC TABLE...

SURVEY CONTROL

HORIZONTAL CONTROL

HORIZONTAL CONTROL IS BASED ON THE CALIFORNIA SPATIAL REFERENCE SYSTEM, CSRS EPOCH 2017.50 (NAD83)...

VERTICAL CONTROL

ELEVATIONS ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88) WHICH WAS ACCESSED USING THE CORS STATION AND THE NGS GEDID MODEL 'GEOID12B'.

PROJECT CONTROL

STATION: 'LBP 1' (Scribed X) N= 1853960.311 E= 6343005.399 EL= 578.55

AT STATION LBP 1:

CONVERGENCE ANGLE = -0° 23' 21.76"

COMBINATION FACTOR = 1.00000549

GROUND DISTANCE = GRID DISTANCE/COMBINATION FACTOR

RESULTANT COORDINATES AND ELEVATIONS ARE CLASSIFIED AS PROJECT CONTROL AND ARE TO BE USED FOR THIS PROJECT ONLY.

UTILITY ALERT

BEFORE BEGINNING THE WORK SHOWN IN THESE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL CALL FOR UTILITY MARK-OUT. CALL BEFORE YOU DIG AT 1.800.422.4193.

DEPARTMENT OF PARKS AND RECREATION COUNTY OF SAN DIEGO 5500 OVERLAND DRIVE, SUITE 410 SAN DIEGO, CALIFORNIA 92123



Revision table with columns: NO., REV. NOTES, APPR., DATE, DESIGNED BY, CHECKED BY, PROJECT MANAGER.

LONNY BREWER COUNTY PARK DOG PARK TITLE SHEET

Scale and sheet information table: SCALE AS SHOWN, SHEET 1 OF 13.



GRADING NOTES

- 1. A CONSTRUCTION, EXCAVATION OR ENCROACHMENT PERMIT FROM THE DEPARTMENT OF PUBLIC WORKS WILL BE REQUIRED FOR ANY WORK IN THE COUNTY RIGHT-OF-WAY. CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMIT. COUNTY IS RESPONSIBLE FOR FINANCIAL REIMBURSEMENT TO CONTRACTOR FOR COST OF PERMIT.
2. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES.
SAN DIEGO GAS AND ELECTRIC (800) 411-7343
AT&T (800) 331-0500
COX COMMUNICATION (800) 234-3993
HELIX WATER DISTRICT (619) 466-0585
SAN DIEGO COUNTY SANITATION DISTRICT (D/G ALERT 811)
3. CONTRACTOR TO REFER TO SOILS REPORT (IF AVAILABLE).
4. ALL MAJOR SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PRODUCE A CONTOURED TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ABUTTING CUT OR FILL SURFACES.
5. NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITTEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET, SIDEWALK ALLEY, FUNCTION OF ANY SEWAGE DISPOSAL SYSTEM, OR ANY OTHER PUBLIC OR PRIVATE PROPERTY WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM SETTLING, CRACKING, EROSION SILLING, SODOR OR OTHER DAMAGE WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THIS PLAN. THE COUNTY WILL HOLD THE PERMITTEE RESPONSIBLE FOR CORRECTION OF NON-DEDICATED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.
6. SLOPE RATIOS:
CUT - 4:1
FILL - 4:1
EXCAVATION: 8:1 CY
IMPORT: 0 CY
WASTE/EXPORT: 16 CY (THIS DOES NOT INCLUDE REMEDIAL GRADING)
7. ALL GRADING DETAILS WILL BE IN ACCORDANCE WITH SAN DIEGO COUNTY STANDARD DRAWINGS DS-8, DS-10, DS-11, AND D-75.
8. FINISHED GRADING SHALL BE CERTIFIED BY THE ENGINEER OF WORK AND INSPECTED BY A COUNTY REPRESENTATIVE FOR DRAINAGE CLEARANCE. (APPROVAL OF ROUGH GRADING DOES NOT CERTIFY FINISH BECAUSE OF POTENTIAL SURFACE DRAINAGE PROBLEMS THAT MAY BE CREATED BY LANDSCAPING ACCOMPLISHED AFTER ROUGH GRADING CERTIFICATION.
9. CONTRACTOR TO MINIMIZE THE OBSTRUCTION OF PEDESTRIAN ACCESS ALONG FURY LANE SIDEWALK AT ALL TIMES.

IMPORT/EXPORT EARTHWORK

PRIOR TO BEGINNING OF GRADING, SUBMIT A TRAFFIC CONTROL PLAN AND HAUL ROUTE PLAN TO TRAFFIC DIVISION, DEPARTMENT OF PUBLIC WORKS (DPW) FOR APPROVAL INCLUDING:

- 1. SPECIFIC TRUCK TRAVEL ROUTES.
2. ANTICIPATED LENGTH OF GRADING PERIOD INVOLVING THE NEED FOR TRUCK IMPORTS OF SOIL.
3. TIME OF OPERATIONS.
4. EXISTING CONDITIONS OF THE IMPACTED ROAD AREAS - INCLUDING TRAFFIC AND ROAD CONDITIONS.
5. TRAFFIC SAFETY INCLUDING SAFETY TO RESIDENTS ON FOOT, ON BICYCLE, AND IN VEHICLES, AND POSSIBLE MITIGATION FOR AVOIDANCE OF SIGNIFICANT PEAK HOUR TRAFFIC AT CERTAIN INTERCHANGES.
6. INTERCHANGE GEOMETRY TO DETERMINE IF IT WILL ALLOW SAFE USE BY THE TRUCKS.

MONUMENTATION GENERAL NOTE

"THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND PROTECT ALL SURVEY CONTROL MONUMENTS, WHETHER SHOWN ON THESE PLANS OR NOT, WITHIN THE PROJECT AREA. ALL SURVEY MONUMENTS, WHETHER FOR HORIZONTAL OR VERTICAL CONTROL, THAT WILL OR COULD BE DISTURBED OR REMOVED BY THE CONTRACTOR, OR HIS EMPLOYEES, AGENTS, SUBCONTRACTORS, CONSULTANT OR LICENSEES, SHALL BE LOCATED PRIOR TO BEING DISTURBED OR REMOVED AND REPLACED OR RESET, IN ACCORDANCE WITH THE CALIFORNIA BUSINESS & PROFESSIONS CODE SECTION 8771(b), AT THE CONTRACTOR'S SOLE EXPENSE, UNDER THE SUPERVISION OF A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA. IN ADDITION, A RECORD OF SURVEY OR CORNER RECORD, AS APPLICABLE, SHALL BE FILED AND/OR RECORDED, IN ACCORDANCE WITH THE PROVISIONS OF SAID CODE."

PROJECT ENGINEER'S NOTE TO CONTRACTOR

"THE LOCATIONS OF ANY UNDERGROUND STRUCTURES AS SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR THE BENEFIT OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONARY MEASURES TO PROTECT ALL UNDERGROUND OR OVERHEAD STRUCTURES WHETHER SHOWN OR NOT ON THESE DRAWINGS."

ENGINEER OF WORK / DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE COUNTY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

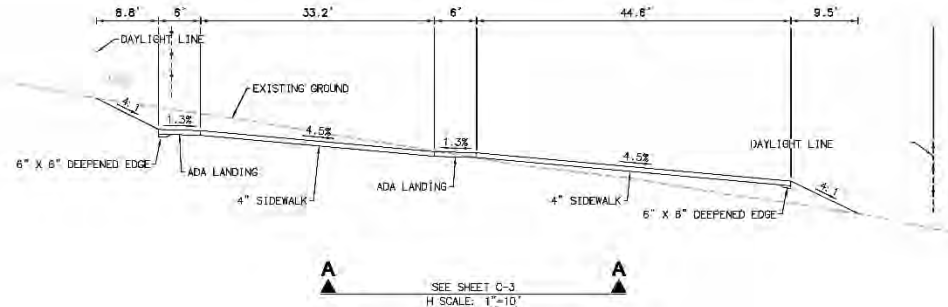
FIRM: MICHAEL BAKER INTERNATIONAL
ADDRESS: 5050 AVENIDA ENINAS, SUITE 280
CITY, ST: CARLSBAD, CA 92008
TELEPHONE: (760) 803-6246

DATE: 08-10-2021

REGISTRATION EXPIRATION DATE: 06-30-2023

ENGINEER'S NOTE

UNAUTHORIZED CHANGES & USES: THE ENGINEER OF WORK PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.



Professional Engineer seal for Joanne S. Tyler, State of California, No. C 59206. Michael Baker International logo and contact information. Date: 08-10-2021.

ABBREVIATIONS table listing symbols for materials like asphalt, concrete, and landscape, and terms like 'NOT TO SCALE' and 'PROPERTY LINE'.

OTAY WATER DISTRICT NOTES

- 1. WATER MAINS AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS AND THE CURRENT APPROVED WATER AGENCIES' STANDARDS.
2. OTAY DISTRICT INSPECTION SHALL RECEIVE THE CONSTRUCTION SCHEDULE AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF THE START OF CONSTRUCTION WORK. WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REMOVAL AT THE CONTRACTOR'S EXPENSE. THE TELEPHONE NUMBER OF OTAY WATER DISTRICT INSPECTION IS (619) 670-2203.
3. CONSTRUCTION SHALL NOT START UNTIL THE SUBDIVISION AGREEMENT HAS BEEN EXECUTED BETWEEN THE OTAY WATER DISTRICT AND THE DEVELOPER AND A PRE- CONSTRUCTION MEETING HAS BEEN HELD WITH THE OTAY WATER DISTRICT'S INSPECTION DEPARTMENT.
4. THE CONTRACTOR SHALL POTHOLE ALL TIE-IN LOCATIONS BEFORE PIPE INSTALLATION TO DETERMINE PIPE SIZE AND MATERIAL, ELEVATION, AND IF TIE-IN CAN BE MADE AT THE LOCATION INDICATED. THE CONTRACTOR SHALL ALSO POTHOLE ALL EXISTING UTILITIES THAT MAY INTERFERE WITH THE TIE-IN LOCATION AND EXPOSE PIPE A MINIMUM OF 3- FEET ON EACH SIDE OF THE CONNECTION POINT TO ASSURE THAT NO COLLARS ARE IN THE TAP AREA. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OTAY WATER DISTRICT'S ENGINEERING DEPARTMENT. PUBLIC SERVICES PRIOR TO PROCEEDING.
5. WATER PRESSURE REGULATORS WILL BE REQUIRED. THE INSTALLATION AND MAINTENANCE OF REGULATORS SHALL BE THE RESPONSIBILITY OF THE DEVELOPER.
6. APPROVAL OF THE PLANS BY THE OTAY WATER DISTRICT DOES NOT CONSTITUTE RESPONSIBILITY FOR ACCURACY OF INFORMATION NOR LOCATIONS OF EXISTING FACILITIES.
7. DEVELOPER/CUSTOMER AGREES THAT IF IT, ITS EMPLOYEES, AGENTS, OR ANY INDEPENDENT CONTRACTORS OR SUBCONTRACTORS SHOULD MAKE AN UNAUTHORIZED CONNECTION TO THE DISTRICT WATER SYSTEM, CUSTOMER IS SUBJECT TO THE FINES SET FORTH IN SECTION 72.03 OF THE DISTRICT'S CODE OF ORDINANCES INCLUDING, BUT NOT LIMITED TO, SECTION 72.03, 'CERTAIN SPECIFIC OPERATIONAL VIOLATIONS'. CUSTOMER ACKNOWLEDGES AND AGREES THAT PAYMENT OF FINES MAY BE DEDUCTED FROM ANY DEPOSIT CUSTOMER HAS WITH THE DISTRICT.
8. NO PERSON, OTHER THAN AN EMPLOYEE OR AGENT OF THE DISTRICT, SHALL HAVE ANY RIGHT TO OPERATE ANY PART OF A DISTRICT WATER DISTRIBUTION SYSTEM. ANY PERSON WHO TAMPERES OR INTERFERES WITH ANY PART OR COMPONENT OF SAID SYSTEM, OR CAUSES OR PERMITS ANY ACT OF TAMPERING OR INTERFERING WITH THE SYSTEM, SHALL BE LIABLE FOR ANY INJURY OR DAMAGE CAUSED THEREBY OR RESULTING THEREFROM. IN ADDITION, THE FINES SET FORTH IN SECTION 72 OF THE DISTRICT'S CODE OF ORDINANCES INCLUDING, BUT NOT LIMITED TO, SECTION 72.03, 'CERTAIN SPECIFIC OPERATIONAL VIOLATIONS', WILL BE IMPOSED ON ANY PERSON OR COMPANY WHO OPERATES ANY PART OF THE DISTRICT WATER SYSTEM WITHOUT PROPER AUTHORIZATION.
9. NO MORE THAN 70 EQUIVALENT DWELLING UNITS CAN BE ON AN UNLOOPED SYSTEM.
10. NO MORE THAN 1,320 FEET OF MAIN SHALL BE IN USE WITHOUT LOOPING TO A SECOND SOURCE. THE WATER MAIN SHALL BE DESIGNED AND INSTALLED SO THAT IT TERMINATES AT A LOT LINE AND NOT WITHIN A LOT OR OTHERWISE APPROVED BY THE OTAY WATER DISTRICT.
11. THRUST BLOCK SIZING ASSUMES A SOIL BEARING CAPACITY OF 1,500 PSF. SHOULD FIELD CONDITIONS INDICATE A LESSER SOIL BEARING CAPACITY, NOTIFY THE OTAY WATER DISTRICT'S ENGINEERING DEPARTMENT. PUBLIC SERVICES.
12. THE TOP OF POTABLE WATER MAINS 12-INCHES IN DIAMETER AND SMALLER MUST BE 3.5 FEET BELOW FINISHED GRADE. THE TOP OF RECYCLED WATER MAINS 12- INCHES IN DIAMETER AND SMALLER MUST BE AT LEAST 4.5 FEET BELOW FINISHED GRADE. ALL WATER MAINS 16-INCHES IN DIAMETER AND LARGER MUST HAVE AN ADDITIONAL 1-FOOT OF COVER. THE TOP OF PIPE ELEVATIONS SHALL BE PROVIDED ON THE PROFILE EVERY 100 FEET. PIPELINES MUST BE THE CLASS AS SHOWN AND CONSTRUCTED ACCORDING TO THE APPROVED PLANS WITH A HORIZONTAL TOLERANCE OF 0.15 FEET AND A VERTICAL TOLERANCE OF 0.10 FEET.
13. EVERY RESIDENTIAL LOT MUST BE SERVED BY A 1-INCH COPPER SERVICE (WAS DWG WS-01). ALL OTHER LOTS MUST BE SERVED WITH A MINIMUM 2-INCH COPPER SERVICE (WAS DWG WS-02). CATHODIC PROTECTION WILL BE REQUIRED ON ALL NEW COPPER SERVICES (WAS DWG WC-17). ADDITIONALLY, ALL SACRIFICIAL ANODES SHALL BE TESTED FOR OPERATION AND A REPORT ISSUED BY THE DEVELOPER'S CORROSION ENGINEER. SERVICE SADDLES SHALL BE A MINIMUM 2.0 FEET AWAY FROM OTHER SADDLES OR JOINTS. MULTIPLE SADDLES ON THE SAME PIPE LENGTH SHALL BE ALTERNATELY STAGGERED 10 TO 30 DEGREES TO PREVENT A WEAK PLANE IN THE PIPE.
14. FOR CONNECTIONS TO EXISTING WATER MAINS, ALL WET TAP CONNECTIONS TO EXISTING PIPELINES, WHETHER FOR MAINLINE EXTENSION OR SERVICE LATERALS, SHALL BE PERFORMED BY THE DISTRICT. THE CONTRACTOR SHALL FURNISH THE TAPPING SLEEVE OR TEE, VALVES AND ALL OTHER MATERIALS AS CALLED FOR IN THE WATER AGENCIES' STANDARDS, http://www.sdwa.org/, STANDARD SPECIFICATIONS SECTION, IN ACCORDANCE WITH THE APPROVED MATERIALS LIST. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, LABOR AND TRAFFIC CONTROL REQUIRED FOR THE EXCAVATION AND INSTALLATION OF THE CONNECTION INCLUDING BUT NOT LIMITED TO EXCAVATION BY HAND OR MACHINE, POURING OF THRUST AND ANCHOR BLOCKS, INSTALLATION OF GATE CASING, PAINTING AND WRAPPING OF FITTINGS, BACKFILL AND COMPACTION OF TRENCH AREA AND PAVEMENT REPLACEMENT.
15. A MINIMUM OF 24-INCHES OF PERMANENT BACKFILL SHALL BE INSTALLED OVER THE WATER MAIN PRIOR TO ANY TESTINGS.

DEPARTMENT OF PARKS AND RECREATION
COUNTY OF SAN DIEGO
5500 OVERLAND DRIVE, SUITE 410 SAN DIEGO, CALIFORNIA 92123



Revision table with columns for NO., REVISIONS, APPR., DATE, DESIGNED BY (KEW), DRAWN BY (KEW), CHECKED BY (JST), PROJECT MANAGER (JST).

LONNY BREWER COUNTY PARK
DOG PARK
CIVIL NOTES
SCALE: AS SHOWN
SHEET 2 OF 10



JOANNE S. TYLER
CIVIL ENGINEER
STATE OF CALIFORNIA

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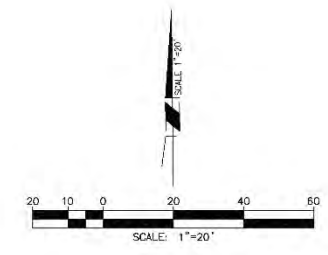
Joanne S. Tyler
DATE: 08-10-2021
R.C.E. 59286

DEMOLITION NOTES

- 1 PROTECT IN PLACE
- 2 CLEAR & GRUB EXISTING LANDSCAPE
- 3 REMOVE EXISTING CONCRETE HARDSCAPE & APPURTENANCE
- 4 SALVAGE & REINSTALL PER LANDSCAPE CONSTRUCTION PLAN

TREE PROTECTION NOTES

- 1. AT THE PRECONSTRUCTION MEETING, THE CONTRACTOR AND COUNTY PROJECT MANAGER SHALL DISCUSS THE CONTRACTOR'S TREE PROTECTION METHODOLOGY.
- 2. ALL EXISTING TREES SHALL BE PROTECTED-IN-PLACE.
- 3. BEFORE MATERIALS CAN BE BROUGHT ON-SITE AND CONSTRUCTION OPERATIONS BEGIN, THE CONTRACTOR SHALL INSTALL PROTECTIVE FENCING AROUND EACH TREE OR GROUP OF TREES AT 1.5 TIMES THE DIAMETER OF THE TREE DIF L.N.E.
- 4. PROTECTIVE FENCING CAN BE CHAIN LINK, WOOD, OR PLASTIC AND MUST BE A MINIMUM OF 48" TALL AND HAVE AN ACCESS GATE OF THE SAME MATERIAL.
- 5. TREE PROTECTION AREAS SHALL BE MAINTAINED FREE OF WEEDS AND TRASH AND MOWED OR HAVE BARK MULCH ADDED TO MAINTAIN A HEALTHY CONDITION.
- 6. TREES SHALL BE WATERED REGULARLY TO MAINTAIN A HEALTHY CONDITION.
- 7. PROTECTIVE FENCING SHALL NOT BE REMOVED, EVEN TEMPORARILY, TO ALLOW DELIVERIES OR EQUIPMENT ACCESS THROUGH THE PROTECTION AREA.
- 8. PROTECTIVE FENCING SHALL BE MAINTAINED IN GOOD CONDITION AS APPROPRIATE TO THE COUNTY AND REMOVED BY THE CONTRACTOR WHEN CONSTRUCTION OPERATIONS ARE COMPLETE, EQUIPMENT HAS BEEN REMOVED FROM THE SITE, AND THE COUNTY PROJECT MANAGER HAS APPROVED.



DEPARTMENT OF PARKS AND RECREATION
COUNTY OF SAN DIEGO
5500 OVERLAND DRIVE, SUITE 410 SAN DIEGO, CALIFORNIA 92123



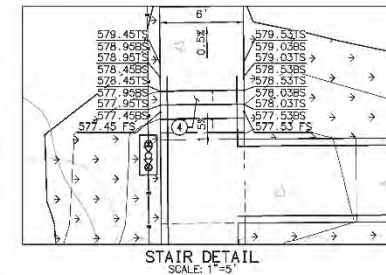
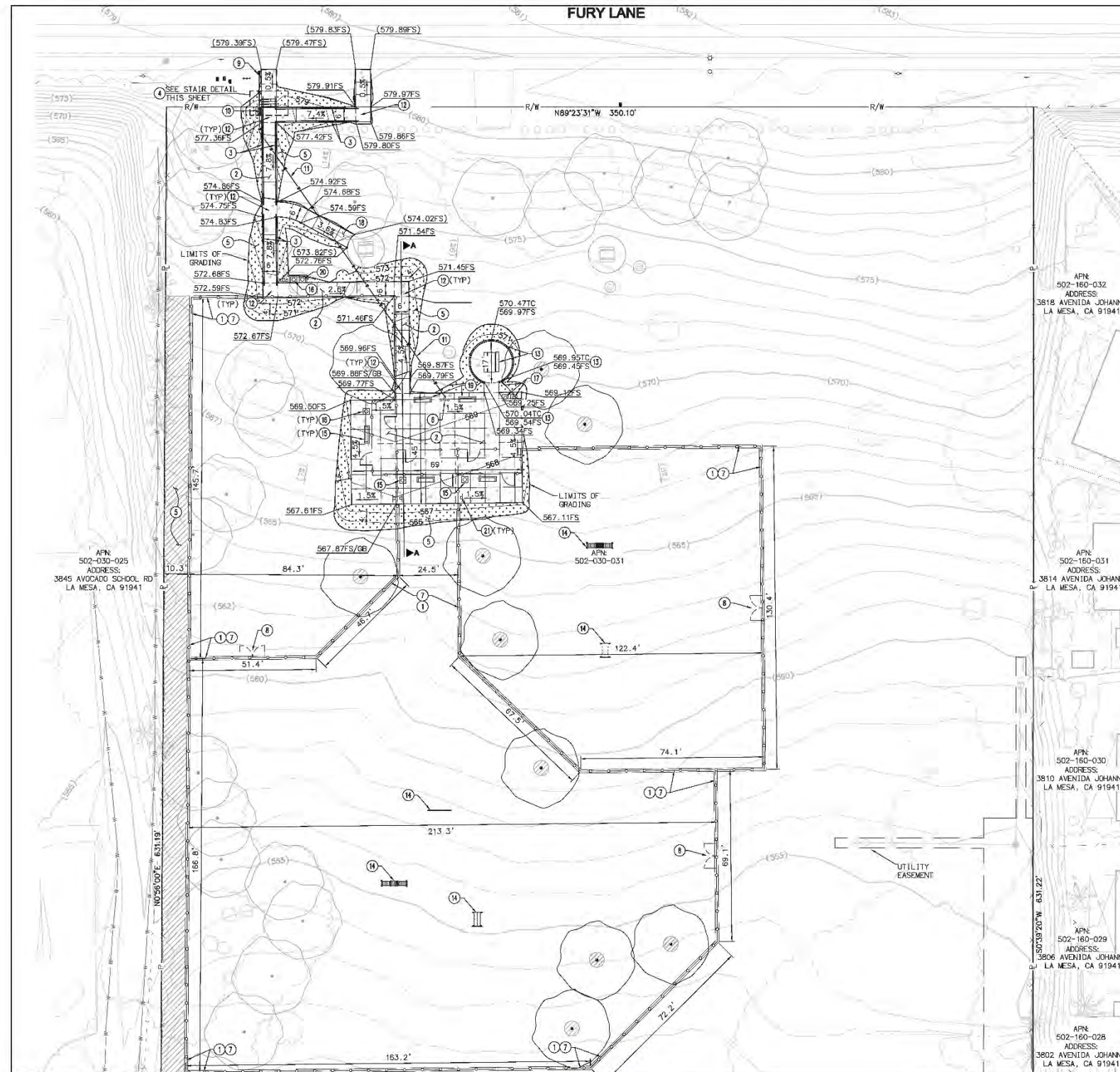
NO.	REVISIONS	DATE	BY

DESIGNED BY:	KEW
DRAWN BY:	KEW
CHECKED BY:	JST
PROJECT MANAGER:	JST

LONNY BREWER COUNTY PARK
DOG PARK

DEMOLITION PLAN

SCALE: 1"=20'	SHEET: 3
PROJECT NO: 807 0062	DATE: 08-10-2021
FILE NO: 807 0062 03	DATE: 08-10-2021

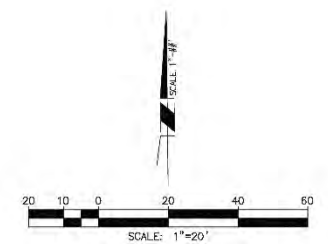


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Joanne S. Tyler
 JOANNE S. TYLER, R.C.E. 59285 DATE 08-10-2021
 EXP. 06-30-23

- CONSTRUCTION NOTES**
- CONSTRUCT CONCRETE MOWING STRIP TYPE "B" PER SDRSD L-03 SHEET PD-1
 - CONSTRUCT 4" SIDEWALK PER LANDSCAPE PLANS
 - INSTALL RAMP HANDRAIL PER SDRSD M-24
 - BID ALTERNATE: CONSTRUCT CONCRETE STEPS WITH HANDRAILS PER SDRSD M-26
 - INSTALL LANDSCAPING PER LANDSCAPE PLANS
 - INSTALL DRINKING FOUNTAIN WITH PET BOWL PER SDRSD M-18 AND THE SPECIFICATIONS
 - INSTALL 6-FOOT BLACK VINYL COATED CHAIN LINK FENCE PER SDRSD M-06 SHEET CD-1
 - INSTALL 10-FOOT WIDE (8-FOOT HIGH) BLACK VINYL COATED CHAIN LINK FENCE PER SDRSD M-05 SHEET CD-1
 - CONNECT TO EXISTING WATER SERVICE
 - INSTALL 1" REDUCED PRESSURE BACKFLOW PREVENTION DEVICE, IN STAINLESS STEEL ENCLOSURE, PER OTAY WATER DISTRICT STANDARD DWG NO. WR-01
 - INSTALL 1.5" OF SCHEDULE 80 PVC PIPE, MAINTAIN 3-FOOT COVER MINIMUM
 - CROSS SLOPE ON LANDINGS SHALL IN NO CASE EXCEED TWO PERCENT (2.00%) IN ANY DIRECTION
 - BID ALTERNATE: CONSTRUCT 6" CURB PER SDRSD 0-01 AND REINSTALL SALVAGED PRECAST CONCRETE PICNIC TABLE PER DETAIL "C" SHEET CD-1 AND SPECIFICATIONS
 - BID ALTERNATE: DOG PARK AGILITY EQUIPMENT PER SPECIFICATIONS
 - INSTALL PRECAST CONCRETE BENCH PER SPECIFICATIONS
 - INSTALL PRECAST CONCRETE TRASH RECEPTICAL PER SPECIFICATIONS
 - BID ALTERNATE: (1) PRECAST CONCRETE TRASH RECEPTICAL AND (1) PRECAST CONCRETE RECYCLING RECEPTICAL
 - BID ALTERNATE: CONSTRUCT 4" THICK SIDEWALK PER LANDSCAPE PLANS, TO EXISTING PICNIC BENCH
 - BID ALTERNATE: INSTALL PRECAST CONCRETE BENCHES PER SPECIFICATIONS
 - INSTALL PRECAST CONCRETE RECYCLING RECEPTICAL PER SPECIFICATIONS
 - INSTALL DOG WASTE STATION PER SPECIFICATIONS

- GENERAL NOTES**
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING CURB AND GUTTER AND SIDEWALK CAUSED BY CONSTRUCTION ACTIVITIES.



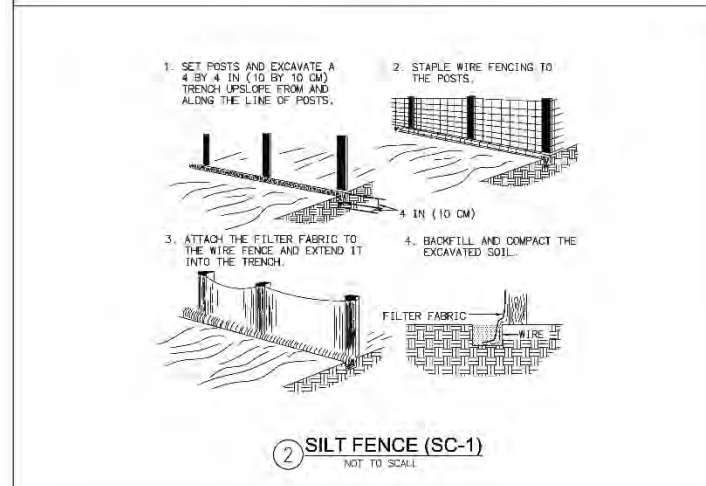
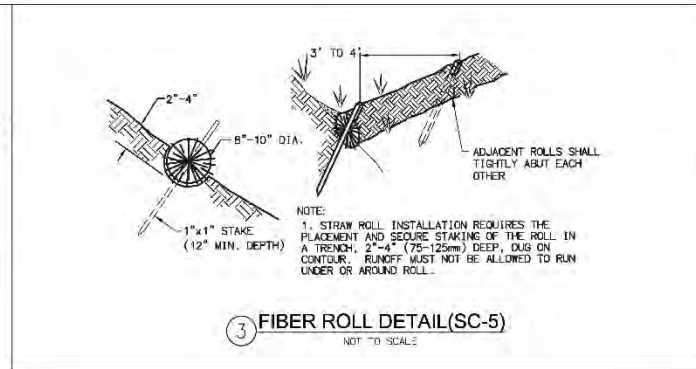
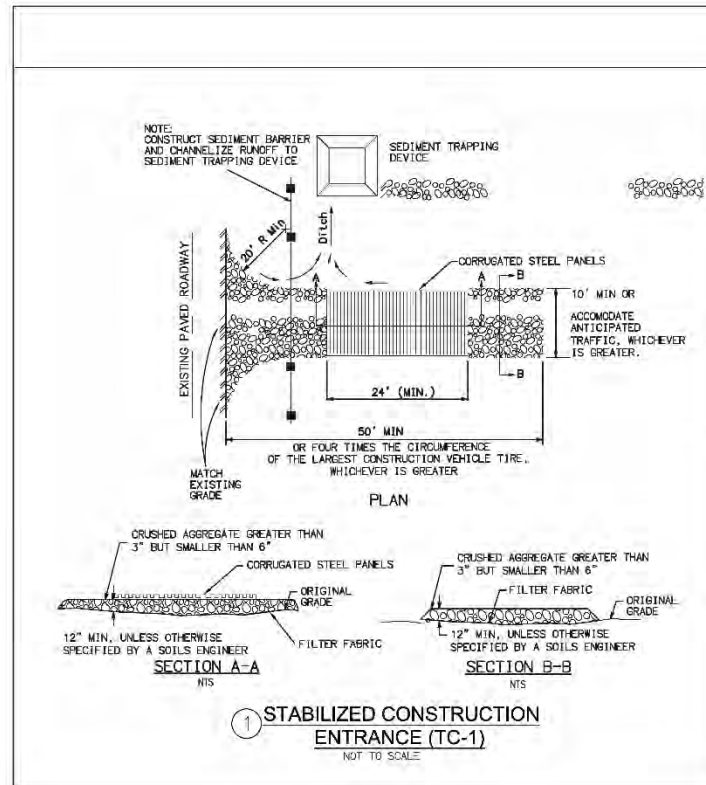
DEPARTMENT OF PARKS AND RECREATION
 COUNTY OF SAN DIEGO
 5500 OVERLAND DRIVE, SUITE 410 SAN DIEGO, CALIFORNIA 92123



NO.	REVISIONS	APPR.	DATE	REVISION BY
				ELS
				ELS
				JST
				JST

LONNY BREWER COUNTY PARK
DOG PARK
 PRECISE GRADING PLAN

C-3
 SCALE: AS SHOWN
 PROJ. NO.: 1422916
 SHEET NO.: 13



THE USE OF BFM'S IS SUBJECT TO THE FOLLOWING LIMITATIONS AND RESTRICTIONS

1. APPLICATION RATES SHALL BE 2500 POUNDS PER ACRE MINIMUM FOR 2:1 OR SHALLOWER SLOPES AND 4000 POUNDS PER ACRE FOR SLOPES STEEPER THAN 2:1.
2. BFM SHALL BE APPLIED AT LEAST 24 HOURS BEFORE OR AFTER RAINFALL.
3. THE SITE MUST BE PROTECTED WITH BROW DITCHES AND / OR DIVERSION BERMS AT THE TOP OF SLOPES TO DIVERT FLOW FROM THE FACE OF THE SLOPE.
4. BFM SHALL BE APPLIED TO PROVIDE 100% COVERAGE (I.E., APPLICATION FROM MULTIPLE ANGLES).
5. FOR PERMANENT EROSION CONTROL PURPOSES, BFM MUST BE INSTALLED IN CONJUNCTION WITH SEEDED EROSION CONTROL VEGETATION.
6. A LETTER FROM THE HYDROSEED CONTRACTOR CERTIFYING THAT THE BFM HAS BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED APPLICATION RATES AND COVERAGE REQUIREMENTS SHALL BE SUBMITTED TO THE COUNTY INSPECTOR FOR APPROVAL.

STORM WATER MANAGEMENT NOTES

1. DURING THE RAINY SEASON THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED THAT WHICH CAN BE ADEQUATELY PROTECTED BY THE CONTRACTOR IN THE EVENT OF A RAINSTORM. 125% SHALL BE RETAINED ON THE JOB SITE IN A MANNER THAT ALLOWS FULL DEPLOYMENT AND COMPLETE INSTALLATION IN 48 HOURS OR LESS OF A FORECAST RAIN.
2. NO AREA BEING DISTURBED SHALL EXCEED 50 ACRES AT ANY GIVEN TIME WITHOUT DEMONSTRATING TO THE SAN DIEGO COUNTY D.P.W. DIRECTOR'S SATISFACTION THAT ADEQUATE EROSION AND SEDIMENT CONTROL CAN BE MAINTAINED. ANY DISTURBED AREA THAT IS NOT ACTIVELY GRADED FOR 15 DAYS MUST BE FULLY PROTECTED FROM EROSION. UNTIL ADEQUATE LONG-TERM PROTECTIONS ARE INSTALLED, THE DISTURBED AREA SHALL BE INCLUDED WHEN CALCULATING THE ACTIVE DISTURBANCE AREA. ALL EROSION CONTROL MEASURES SHALL REMAIN INSTALLED AND MAINTAINED DURING ANY INACTIVE PERIOD.
3. THE CONTRACTOR IS OBLIGATED TO ENSURE COMPLIANCE WITH ALL APPLICABLE STORM WATER REGULATIONS AT ALL TIMES. THE B.M.P.'S (BEST MANAGEMENT PRACTICES) THAT HAVE BEEN INCORPORATED INTO THIS PLAN SHALL BE IMPLEMENTED AND MAINTAINED TO EFFECTIVELY PREVENT THE POTENTIALLY NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE MAINTENANCE OF THE B.M.P.'S IS THE PERMITTEE'S RESPONSIBILITY, AND FAILURE TO PROPERLY INSTALL OR MAINTAIN THE B.M.P.'S MAY RESULT IN ENFORCEMENT ACTION BY THE COUNTY OF SAN DIEGO OR OTHERS. IF INSTALLED B.M.P.'S FAIL, THEY MUST BE REPAIRED OR REPLACED WITH AN ACCEPTABLE ALTERNATE WITHIN 24 HOURS, OR AS SOON AS SAFE TO DO SO.
4. UTILIZE EROSION CONTROL BMP'S FOR ALL DISTURBED SLOPES (CALTRANS SS-3, SS-4, & SS-7, OR SIMILAR).

EMERGENCY EROSION CONTROL MEASURE NOTES

1. THE CONTRACTOR SHALL HAVE A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
2. EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS WHEN GRADING OPERATION HAS PROCEEDED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
3. GRADED AREAS ADJACENT TO HILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
4. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
5. CATCH BASINS, DESILTING BASINS AND STORM DRAIN SYSTEMS SHALL BE INSTALLED TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS.
6. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
7. ANY DESILTING BASINS ON SITE MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE COUNTY DEPARTMENT OF PUBLIC WORKS.
8. STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES. THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE CONTRACTOR.
9. EVERY EFFORT SHALL BE MADE TO ELIMINATE THE DISCHARGE OF NON-STORM WATER FROM THE PROJECT SITES AT ALL TIMES.
10. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
11. STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
12. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
13. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
14. CONTRACTOR IS RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMP'S INSTALLED AND ENSURE THEY ARE FUNCTIONING PROPERLY IF THERE IS A 50% OR GREATER PROBABILITY OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE COUNTY DEPARTMENT OF PUBLIC WORKS (COPIES OF THE SELF-INSPECTION CHECK LIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST).
15. RASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
16. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
17. ANY SLOPES WITH DISTURBED SOILS OR DENuded OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
18. ANY PROPOSED ALTERNATE CONTROL MEASURES MUST BE APPROVED IN ADVANCE BY COUNTY DEPARTMENT OF PUBLIC WORKS, COUNTY ENGINEER, DEPARTMENT OF ENVIRONMENTAL HEALTH FLOOD CONTROL AND OFFICE OF ENVIRONMENTAL MANAGEMENT ETC.

SILTATION AND SEDIMENT CONTROL MEASURES NOTES


1. ALL UTILITY TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS WITH A DOUBLE ROW OF GRAVEL BAGS WITH A TOP ELEVATION LEVEL WITH, AND TWO GRAVEL BAGS BELOW, THE GRADED SURFACE OF THE STREET. GRAVEL BAGS ARE TO BE PLACED WITH LAPPED COURSES. THE INTERVALS PRESCRIBED BETWEEN GRAVEL BAG BLOCKING SHALL DEPEND ON THE SLOPE OF THE GROUND SURFACE, BUT NOT EXCEED THE FOLLOWING:

GRADE OF THE STREET	INTERVAL
LESS THAN 2%	AS REQUIRED
2% TO 4%	100 FEET
4% TO 10%	50 FEET
OVER 10%	25 FEET

2. PROVIDE VELOCITY CHECK DAMS IN ALL UNPAVED GRADED CHANNELS AT THE INTERVALS INDICATED BELOW:

GRADE OF CHANNEL	INTERVALS BETWEEN CHECK DAMS
LESS THAN 3%	100 FEET
3% TO 6%	50 FEET
OVER 6%	25 FEET

3. PROVIDE A GRAVEL BAG SILT BASIN OR TRAP BY EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING DRAIN SYSTEM.
4. GRAVEL BAGS AND FILL MATERIAL SHALL BE STOCKPILED AT INTERVALS, READY FOR USE WHEN REQUIRED.
5. ALL EROSION CONTROL DEVICES WITHIN THE DEVELOPMENT SHOULD BE MAINTAINED DURING AND AFTER EVERY RUNOFF PRODUCING STORM, IF POSSIBLE. MAINTENANCE CREWS WOULD BE REQUIRED TO HAVE ACCESS TO ALL AREAS.
6. ANY PROPOSED ALTERNATE CONTROL MEASURES MUST BE APPROVED IN ADVANCE BY ALL RESPONSIBLE AGENCIES; I.E., COUNTY ENGINEER, DEPARTMENT OF ENVIRONMENTAL HEALTH, FLOOD CONTROL AND OFFICE OF ENVIRONMENTAL MANAGEMENT ETC.
7. REFER TO SPECIFICATIONS.



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JOANNE S. TYLER, R.U.C.E. 58288 DATE 08-10-2021
EXP. 06-30-23



REV.	REVISIONS	APPR.	DATE	DESIGNED BY:
				KEW
				DRAWN BY: KEW
				CHECKED BY: JST
				PROJECT MANAGER: JST

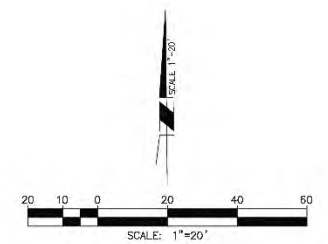


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JOANNE S. TYLER, R.C.E. 59285 DATE 08-10-2021 EXP. 06-30-23

- EROSION CONTROL NOTES:**
- ① CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE PER DETAIL 1 ON SHEET C-4
 - ② INSTALL SILT FENCE PER DETAIL 2 ON SHEET C-4
 - ③ INSTALL FIBER ROLL 1" H-R NO. 1 1" H-R 12" I-111 3 ON SHEET C-4
 - ④ CONTRACTOR STAGING AREA FOR WASTE MANAGEMENT BMP'S*

- EROSION CONTROL BMPs**
- EC-1: SCHEDULING
 - SEDIMENT CONTROL BMPs**
 - SE-1: SILT FENCE
 - SE-5: FIBER ROLL
 - SE-7: STREET SWEEPING AND VACUUMING
 - WIND EROSION CONTROL BMPs**
 - WE-1: WIND EROSION CONTROL
 - TRACKING CONTROL BMPs**
 - TC-1: STABILIZED CONSTRUCTION ENTRANCE/EXIT
 - NON-STORM WATER MANAGEMENT BMPs**
 - NS-1: WATER CONSERVATION PRACTICES
 - NS-6: ILLICIT CONNECTION/DISCHARGE
 - NS-7: POTABLE WATER/IRRIGATION
 - NS-8: VEHICLE & EQUIPMENT CLEANING
 - NS-12: CONCRETE CURING
 - NS-13: CONCRETE FINISHING
- WASTE MANAGEMENT BMPs**
- WM-1: MATERIAL DELIVERY AND STORAGE
 - WM-2: MATERIAL USE
 - WM-3: STOCKPILE MANAGEMENT
 - WM-4: SPILL PREVENTION AND CONTROL
 - WM-5: SOLID WASTE MANAGEMENT
 - WM-6: HAZARDOUS WASTE MANAGEMENT
 - WM-7: CONTAMINATED SOIL MANAGEMENT
 - WM-8: CONCRETE WASTE MANAGEMENT
 - WM-9: SANITARY/SEPTIC WASTE MANAGEMENT
- * CONTRACTOR TO RELOCATE ON-SITE AS NEEDED.



DEPARTMENT OF PARKS AND RECREATION
 COUNTY OF SAN DIEGO
 5500 OVERLAND DRIVE, SUITE 410 SAN DIEGO, CALIFORNIA 92123



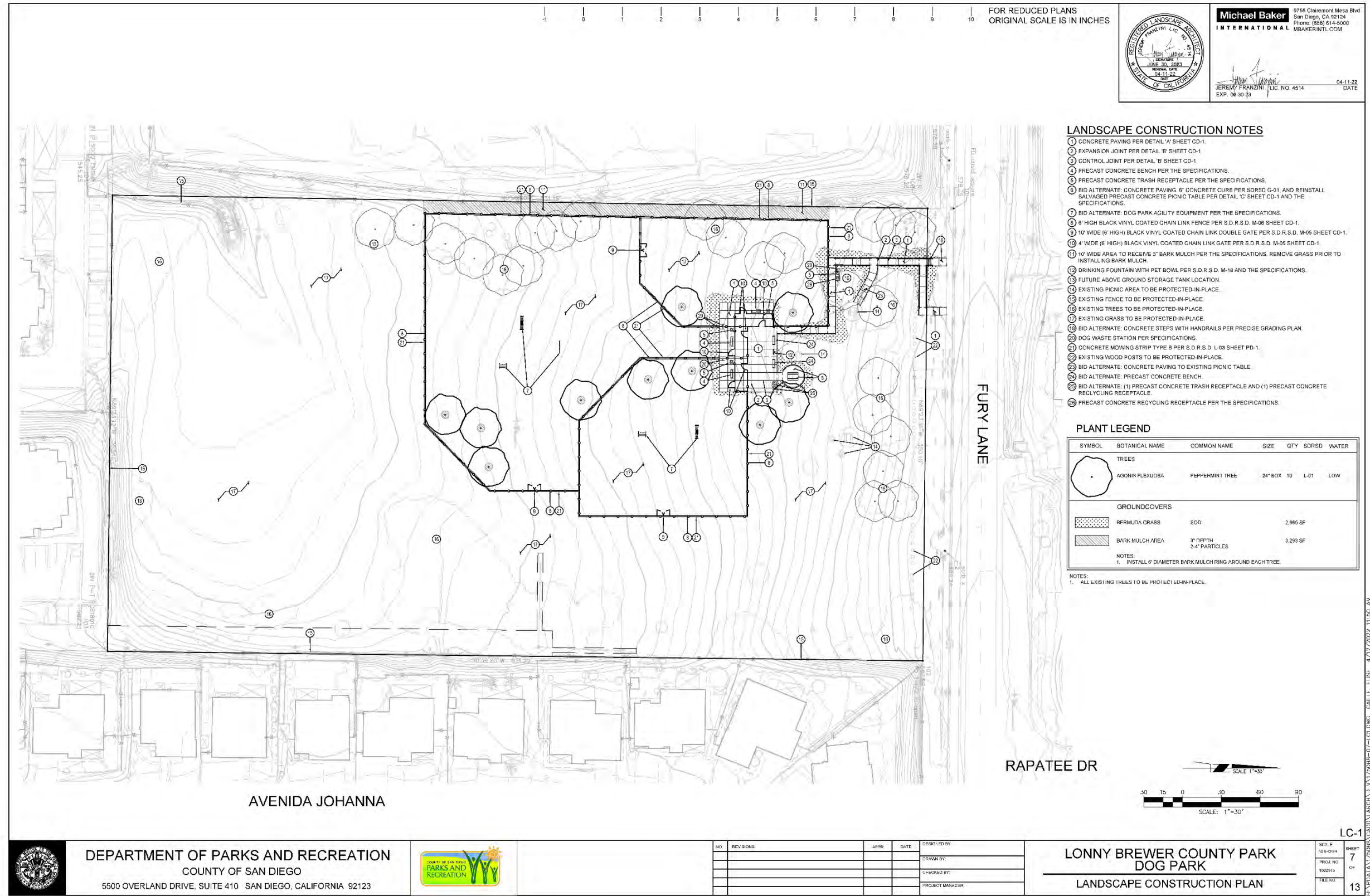
NO.	REVISIONS	APPROV.	DATE

DESIGNED BY: KEW
 DRAWN BY: KEW
 CHECKED BY: JST
 PROJECT MANAGER: JST

LONNY BREWER COUNTY PARK
DOG PARK
 EROSION CONTROL PLAN

C-5

SCALE	SHEET
AS SHOWN	6
PROJ. NO.	1822916
FILE NO.	13



FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES



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04-11-22
DATE

JEREMY FRANKLIN, LIC. NO. 4514
EXP. 08-30-23

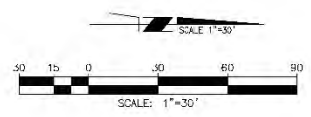
LANDSCAPE CONSTRUCTION NOTES

- 1 CONCRETE PAVING PER DETAIL 'A' SHEET CD-1.
- 2 EXPANSION JOINT PER DETAIL 'B' SHEET CD-1.
- 3 CONTROL JOINT PER DETAIL 'B' SHEET CD-1.
- 4 PRECAST CONCRETE BENCH PER THE SPECIFICATIONS.
- 5 PRECAST CONCRETE TRASH RECEPTACLE PER THE SPECIFICATIONS.
- 6 BID ALTERNATE: CONCRETE PAVING, 6" CONCRETE CURE PER SDRSD G-01, AND REINSTALL SALVAGED PRECAST CONCRETE PICNIC TABLE PER DETAIL 'C' SHEET CD-1 AND THE SPECIFICATIONS.
- 7 BID ALTERNATE: DOG PARK AGILITY EQUIPMENT PER THE SPECIFICATIONS.
- 8 6' HIGH BLACK VINYL COATED CHAIN LINK FENCE PER S.D.R.S.D. M-06 SHEET CD-1.
- 9 10' WIDE (6' HIGH) BLACK VINYL COATED CHAIN LINK DOUBLE GATE PER S.D.R.S.D. M-05 SHEET CD-1.
- 10 4' WIDE (6' HIGH) BLACK VINYL COATED CHAIN LINK GATE PER S.D.R.S.D. M-05 SHEET CD-1.
- 11 10' WIDE AREA TO RECEIVE 3" BARK MULCH PER THE SPECIFICATIONS. REMOVE GRASS PRIOR TO INSTALLING BARK MULCH.
- 12 DRINKING FOUNTAIN WITH PET BOWL PER S.D.R.S.D. M-18 AND THE SPECIFICATIONS.
- 13 FUTURE ABOVE GROUND STORAGE TANK LOCATION.
- 14 EXISTING PICNIC AREA TO BE PROTECTED-IN-PLACE.
- 15 EXISTING FENCE TO BE PROTECTED-IN-PLACE.
- 16 EXISTING TREES TO BE PROTECTED-IN-PLACE.
- 17 EXISTING GRASS TO BE PROTECTED-IN-PLACE.
- 18 BID ALTERNATE: CONCRETE STEPS WITH HANDRAILS PER PRECISE GRADING PLAN.
- 19 DOG WASTE STATION PER SPECIFICATIONS.
- 20 CONCRETE MOWING STRIP TYPE B PER S.D.R.S.D. L-03 SHEET PD-1.
- 21 EXISTING WOOD POSTS TO BE PROTECTED-IN-PLACE.
- 22 BID ALTERNATE: CONCRETE PAVING TO EXISTING PICNIC TABLE.
- 23 BID ALTERNATE: PRECAST CONCRETE BENCH.
- 24 BID ALTERNATE: (1) PRECAST CONCRETE TRASH RECEPTACLE AND (1) PRECAST CONCRETE RECYCLING RECEPTACLE.
- 25 PRECAST CONCRETE RECYCLING RECEPTACLE PER THE SPECIFICATIONS.

PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QTY	SDRSD	WATER
TREES						
	AGONIS FLEXUOSA	PEPPERMINI TREE	24" BOX	10	L-01	LOW
GROUNDCOVERS						
	PERFUMIA GRASS	SOD		2,960 SF		
	BARK MULCH AREA	3" DEPTH 2.4" PARTICLES		3,293 SF		
NOTES: 1. INSTALL 6" DIAMETER BARK MULCH RING AROUND EACH TREE.						

NOTES:
1. ALL EXISTING TREES TO BE PROTECTED-IN-PLACE.



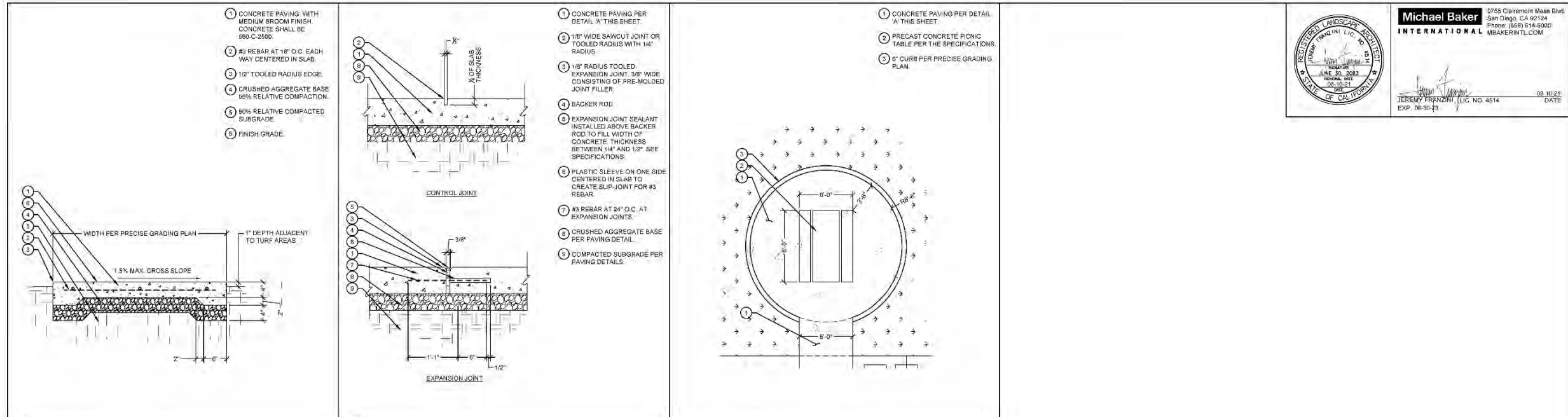
DEPARTMENT OF PARKS AND RECREATION
COUNTY OF SAN DIEGO
5500 OVERLAND DRIVE, SUITE 410 SAN DIEGO, CALIFORNIA 92123



NO.	REV	DATE	DESIGNED BY

**LONNY BREWER COUNTY PARK
DOG PARK**
LANDSCAPE CONSTRUCTION PLAN

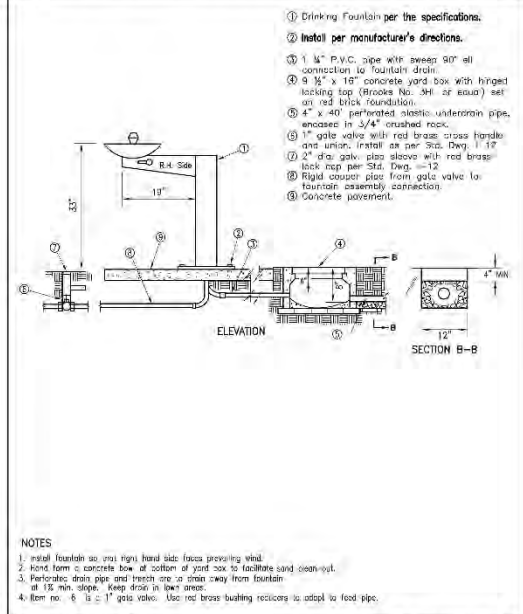
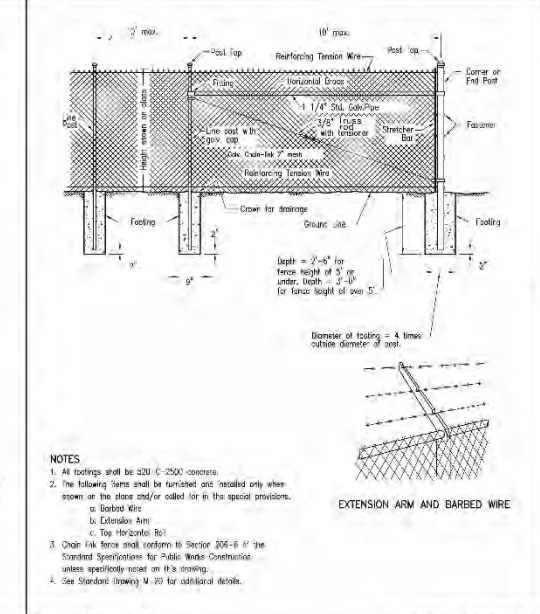
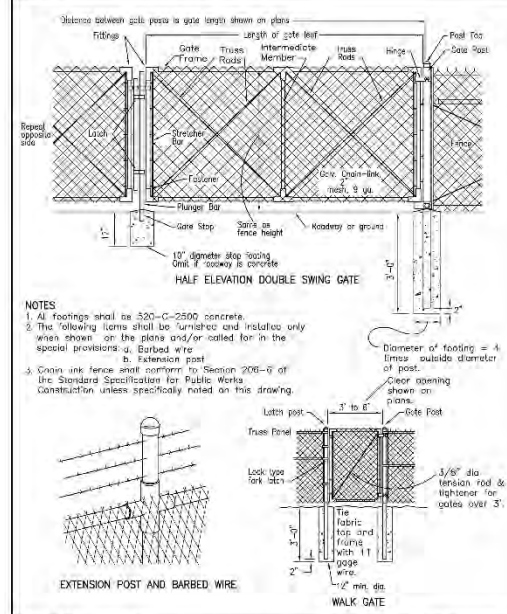
LC-1
SHEET
7
OF
13



Michael Baker INTERNATIONAL
2755 Clairemont Mesa Blvd
San Diego, CA 92124
Phone: (619) 614-6000
MBAKERINTL.COM

REGISTERED LANDSCAPE ARCHITECT
JEREMY FRANZINI, LIC. NO. 4514
08.10.21 DATE
EXP. 08.30.25

A CONCRETE PAVING N.T.S. **B CONCRETE JOINTS** N.T.S. **C PICNIC TABLE LAYOUT** N.T.S.



Revision	By	Approved	Date	RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARD COMMITTEE	Revision	By	Approved	Date	RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARD COMMITTEE
1	DM	DM	03/20/23	DM	1	DM	DM	03/20/23	DM
2	DM	DM	03/20/23	DM	2	DM	DM	03/20/23	DM
3	DM	DM	03/20/23	DM	3	DM	DM	03/20/23	DM

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1	DM	DM	03/20/23	DM	1	DM	DM	03/20/23	DM
2	DM	DM	03/20/23	DM	2	DM	DM	03/20/23	DM
3	DM	DM	03/20/23	DM	3	DM	DM	03/20/23	DM

DEPARTMENT OF PARKS AND RECREATION
COUNTY OF SAN DIEGO
5500 OVERLAND DRIVE, SUITE 410 SAN DIEGO, CALIFORNIA 92123

CD-1

LONNY BREWER COUNTY PARK DOG PARK
LANDSCAPE CONSTRUCTION DETAILS

SHEET 8 OF 13

1 TREE ROOTBALL.

2 DIG PLANTING PIT TWO TIMES THE DIAMETER AND ONE TIMES THE DEPTH OF THE ROOTBALL. SCARIFY SIDES OF PLANT PIT.

3 SET THE ROOTBALL IN THE PLANTING PIT SO THAT ROOT CROWN IS 1" ABOVE FINISH GRADE.

4 PLACE BACKFILL MATERIAL PER THE SPECIFICATIONS, TAMPING AND SETTLING AROUND ROOTBALL.

5 PLANTING TABLETS PER THE SPECIFICATIONS.

6 CREATE 4" IRRIGATION BASIN AT THE EDGE OF THE PLANTING PIT.

7 IRRIGATE WITH HOSE TO SETTLE BACKFILL AND BERM. FILLING BASIN. TAMP TO REMOVE AIR POCKETS AND ADD ADDITIONAL BACKFILL AS NECESSARY.

8 STAKE BELOW CROWN OF TREE.

9 TREE TIES (4 PER TREE) - V.I.T. PRODUCTS CINCE-TIE OR APPROVED EQUAL.

10 2" DIAMETER X 16' LONG LODGEPOLE FINE STAKE (2 PER TREE) INSTALLED OUTSIDE OF THE TREE ROOTBALL. LOCATE STAKES PARALLEL TO THE DIRECTION OF THE PREVAILING WIND AND DRIVE FIRMLY INTO THE SUBGRADE A MINIMUM OF 3'.

11 ROOT BARRIER PROVIDED FOR TREES LESS THAN 10' FROM PAVED SURFACES AND PER THE SPECIFICATIONS. INSTALL 3" BELOW TOP OF PAVEMENT.

12 3" LAYER OF BARK MULCH. INSTALL 3" AWAY FROM TREE CENTER.

13 CONCRETE CURB AND OUTER OR SIDEWALK PER THE CONSTRUCTION PLANS.

14 EXISTING SUBGRADE.

TYPE A
ALL AREAS EXCEPT UNDER FENCES

TYPE B
UNDER FENCES

WEAKENED PLANE JOINT MAX 20' OC

EXPANSION JOINT MAX 120' OC

NOTES

1. ALL AREAS SHALL BE CONTINUOUS WITH 12" OVERLAP. MARK SPACED.
2. CONCRETE SHALL BE CLASS 5200-5-2500 AND SAME COLOR AS ADJACENT CONCRETE AND HAVE A SMOOTH TROWEL FINISH.
3. INSTALL WEAKENED PLANE JOINTS AT EACH FENCE POST.
4. INSTALL EXPANSION JOINTS WHERE THE MOWING STRIP MEETS CONCRETE IMPROVEMENT AND AT LOCATION APPROVED BY THE AGENCY.

PLANTING NOTES

1. PLANTING WORK SHALL CONFORM TO THE SPECIFICATION SPECIAL PROVISIONS.
2. PLANT QUANTITIES ARE SHOWN FOR CONTRACTOR'S CONVENIENCE IN ESTIMATING ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE PLANT MATERIAL FOR EACH SYMBOL SHOWN ON THE PLANTING PLAN.
3. ALL WORK SHALL BE SUBJECT TO THE COUNTY PROJECT MANAGER'S ACCEPTANCE AS A CONDITION OF COMPLETION OF WORK BY THE CONTRACTOR.
4. THE PLANTING PLAN IS DIAGRAMMATIC. MINOR ADJUSTMENTS IN PLANT LOCATIONS MAY BE MADE AT THE DISCRETION OF THE PROJECT LANDSCAPE ARCHITECT OR THE COUNTY PROJECT MANAGER.
5. ALL PLANT MATERIAL SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT OR THE COUNTY PROJECT MANAGER PRIOR TO INSTALLATION. SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
6. ALL NURSERY TYING MATERIAL AND MARKING TAPES SHALL BE REMOVED AT THE TIME OF PLANTING.
7. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS OF ALL EXISTING UTILITIES, SITE CONDITIONS, STRUCTURES, PROPERTY LINES, AND SERVICES BEFORE COMMENCING WORK TO ENSURE THAT THERE IS NO DAMAGE DURING CONSTRUCTION. THE LOCATIONS OF THESE CONDITIONS SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE COUNTY LANDSCAPE ARCHITECT AND COUNTY PROJECT MANAGER. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND REPLACING ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION WITH NO ADDITIONAL COST TO THE OWNER.
8. PLANT MATERIAL LOCATED ADJACENT TO ANY LIGHT STANDARDS, UTILITY EQUIPMENT, OR DRIVEWAYS, ETC. SHALL BE ADJUSTED TO MAINTAIN A SUITABLE CLEARANCE AS APPROVED BY THE COUNTY PROJECT MANAGER. TREES SHALL NOT BE INSTALLED OVER UNDERGROUND UTILITIES.
9. ALL TREES SHALL HAVE A 6" DIAMETER, 3" DEPTH LAYER OF BARK MULCH PER THE SPECIFICATIONS.
10. SEE THE SPECIFICATION SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.

A TREE PLANTING/ STAKING

N.T.S.

Revision	By	Approved	Date
ORIGINAL			12/27/23
Revised	Ch. T. Stalder		12/27/23
Revised	Ch. T. Stalder		1/10/24

SAN DIEGO REGIONAL STANDARD DRAWING

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARD COMMITTEE

CONCRETE MOWING STRIP

NO. REVISED

APPR. DATE

DESIGNED BY

CHANGED BY

CHECKED BY

PROJECT MANAGER

Michael Baker INTERNATIONAL

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Phone: (619) 614-5000
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08-10-21 DATE

08-10-21 DATE

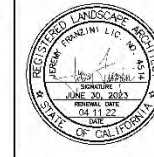


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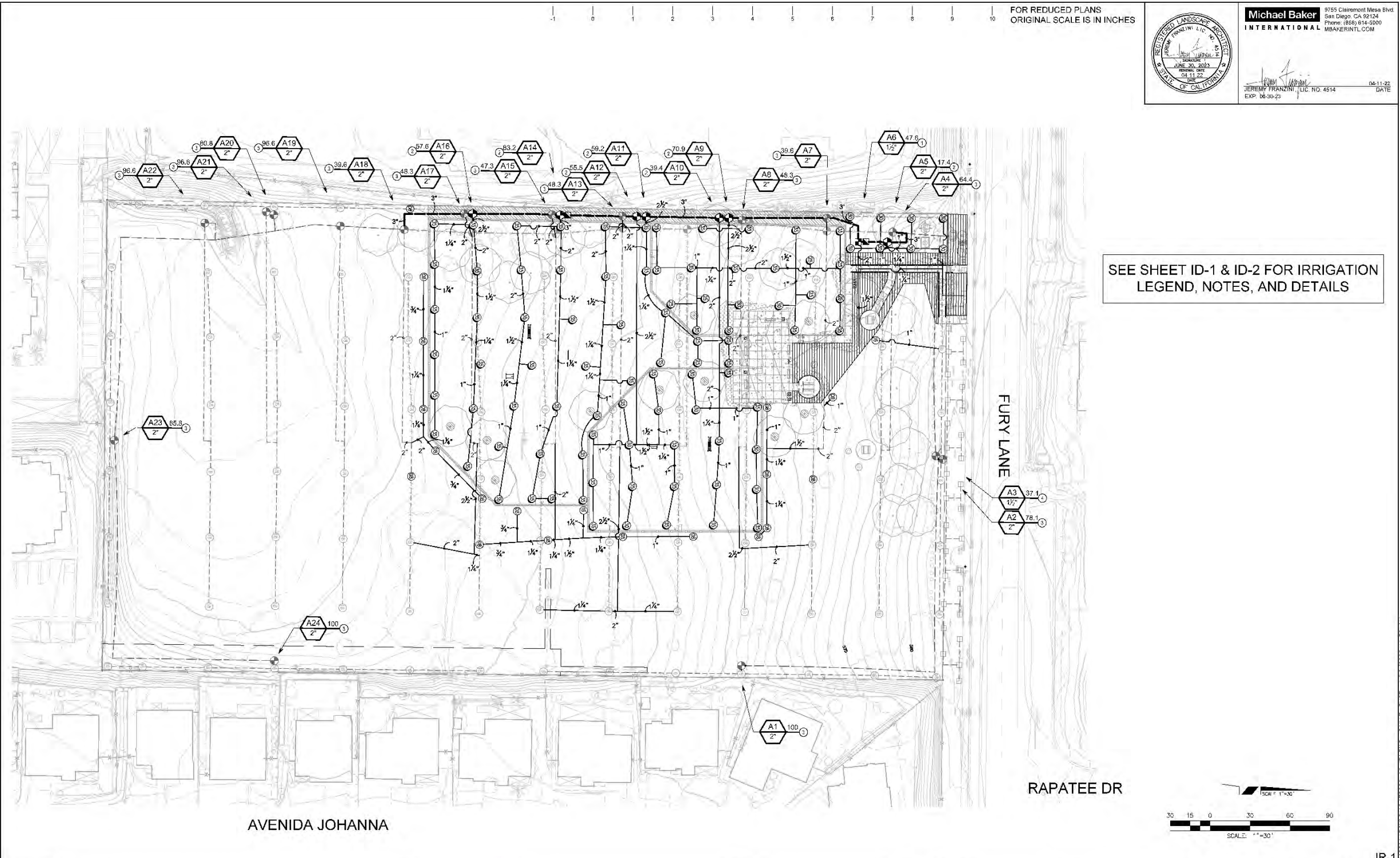


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FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES



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JEREMY FRANZINI LIC. NO. 4514
EXP. 06-30-25 DATE 04-11-22

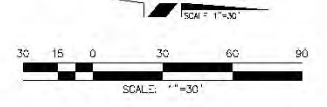


SEE SHEET ID-1 & ID-2 FOR IRRIGATION
LEGEND, NOTES, AND DETAILS

FURY LANE

RAPATEE DR

AVENIDA JOHANNA



DEPARTMENT OF PARKS AND RECREATION
COUNTY OF SAN DIEGO
5500 OVERLAND DRIVE, SUITE 410 SAN DIEGO, CALIFORNIA 92123



NO.	REV. BY	DATE	DESCRIPTION

LONNY BREWER COUNTY PARK
DOG PARK
LANDSCAPE IRRIGATION PLAN - (BASE BID)

SCALE	1"=30'
SHEET	10
TOTAL SHEETS	13

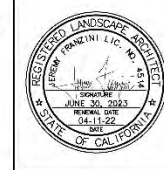
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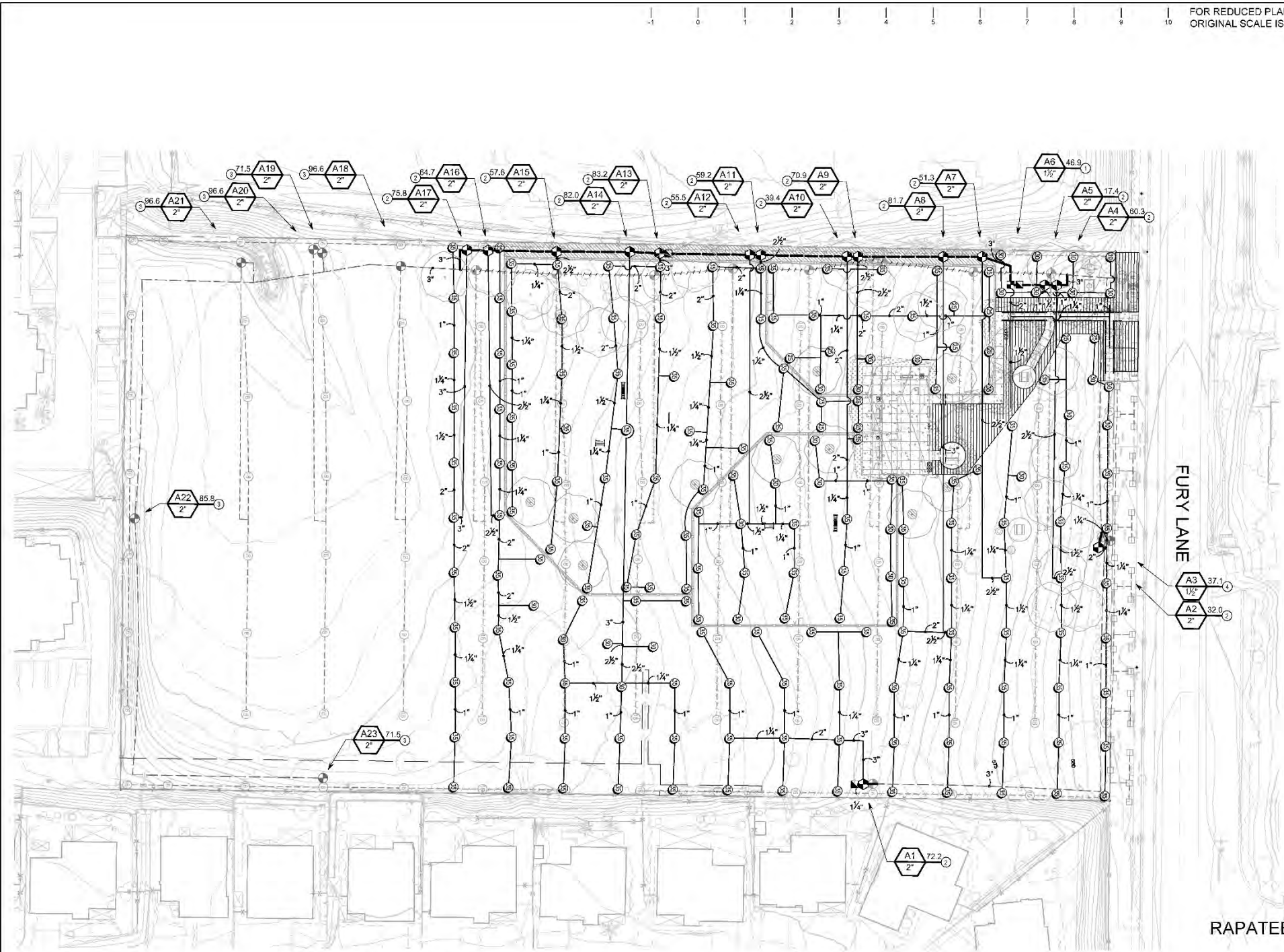


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FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES



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JEREMY FRANZINI, LIC. NO. 4514
04-11-22 DATE
EXP. 06-30-25

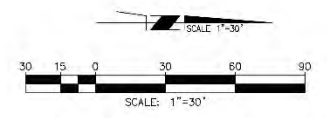


SEE SHEET ID-1 & ID-2 FOR IRRIGATION LEGEND, NOTES, AND DETAILS

FURY LANE

RAPATEE DR

AVENIDA JOHANNA



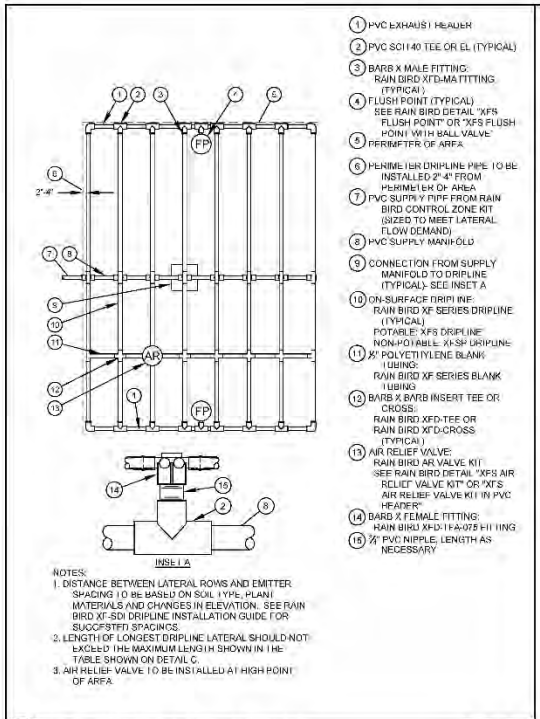
DEPARTMENT OF PARKS AND RECREATION
COUNTY OF SAN DIEGO
5500 OVERLAND DRIVE, SUITE 410 SAN DIEGO, CALIFORNIA 92123



NO.	REVISION	DATE	DESIGNED BY:

LONNY BREWER COUNTY PARK
DOG PARK
LANDSCAPE IRRIGATION PLAN - (BID ALTERNATE)

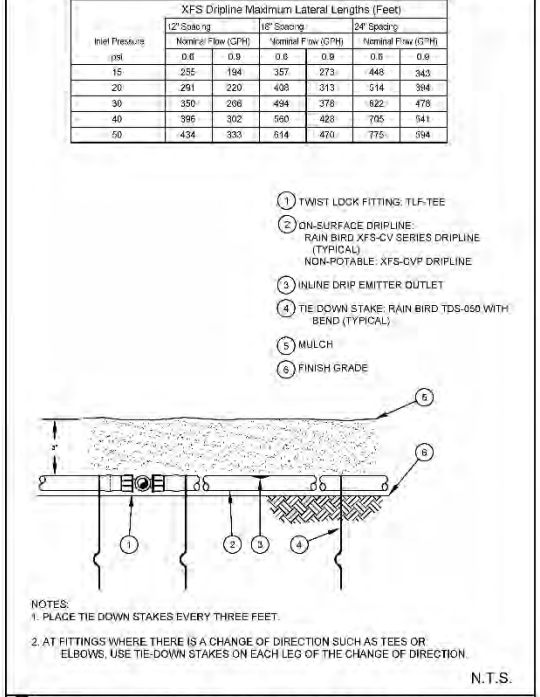
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SCALE: AS SHOWN
SHEET 11 OF 13
PROJECT NO. 1822916
FILE NO.



IRRIGATION NOTES

- ALL LANDSCAPE AND IRRIGATION SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE FOLLOWING:
 - THE CALIFORNIA CODE OF REGULATIONS TITLE 23, DIVISION 2, CHAPTER 2.7, MODEL WATER EFFICIENT LANDSCAPE ORDINANCE;
 - THE COUNTY OF SAN DIEGO LANDSCAPE WATER CONSERVATION REGULATIONS, IN TITLE 8, DIVISION G, CHAPTER 7 OF THE SAN DIEGO COUNTY CODE OF REGULATORY ORDINANCES;
 - THE COUNTY OF SAN DIEGO, DEPARTMENT OF PLANNING AND LAND USES, WATER EFFICIENT LANDSCAPE DESIGN MANUAL;
 - THE COUNTY OF SAN DIEGO GRADING ORDINANCE REQUIREMENTS, AS STATED PER SECTION 87.417 (PLANTING) AND SECTION 87.418 (IRRIGATION);
 - THE COUNTY OF SAN DIEGO REGIONAL STANDARD DRAWINGS AND SPECIFICATIONS;
 - THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION "GREENBOOK" LATEST EDITION (A COPY SHALL BE KEPT ON SITE AT ALL TIMES);
 - THE COUNTY OF SAN DIEGO REGIONAL SUPPLEMENTALS (ANDRUS) TO THE GREENBOOK;
 - THE SPECIFICATION SPECIAL PROVISIONS;
 - THE CURRENT UNIFORM BUILDING CODE AND ALL APPLICABLE ORDINANCES AND OTHER LANDSCAPE RELATED CITY AND REGIONAL STANDARDS.
- CONTRACTOR SHALL COMPLY WITH THE COUNTY'S MAINTENANCE RESPONSIBILITY AT THE PROJECT SITE TO LOCATE EXISTING IRRIGATION CONTROLLERS, BACKFLOWS, VALVES, MAINLINE, LATERAL PIPES, IRRIGATION HEADS AND ALL OTHER PERTINENT SITE INFORMATION.
- PRIOR TO DEMOLITION AND NEW IMPROVEMENTS, CONTRACTOR SHALL IDENTIFY ITEMS TO BE REMOVED AND/OR RELOCATED. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING IRRIGATION WATER TO LANDSCAPE AREAS ADJOINING THE LIMIT OF WORK. THE CONTRACTOR SHALL BARE ALL COSTS ASSOCIATED WITH A LACK OF IRRIGATION WATER.
- CONTRACTOR SHALL BE PRESENT DURING GRADING OPERATIONS TO PERFORM NECESSARY SERVICES AND PROVIDE ALL EQUIPMENT NECESSARY FOR CAPPING THE EXISTING SYSTEM.
- CONTRACTOR SHALL CONNECT ALL IRRIGATION RELATED ELECTRICAL LINES AND CONTROL WIRES AND PROVIDE ALL MATERIALS, TOOLS AND LABOR NECESSARY TO CONSTRUCT A COMPLETE AND OPERABLE IRRIGATION SYSTEM PER THIS PLAN.
- PIPE SIZES SHALL CONFORM TO THOSE SHOWN ON THE DRAWING. NO SUBSTITUTIONS OF SMALLER PIPE SIZES SHALL BE PERMITTED, BUT SUBSTITUTIONS OF LARGER SIZES MAY BE APPROVED. ALL DAMAGED AND REJECTED PIPE SHALL BE REMOVED FROM THE SITE AT THE TIME OF SAID REJECTION.
- ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL BE RESPONSIBLE AND LIABLE FOR ANY ENCROACHMENT INTO ADJACENT PROPERTY, R.O.W.'S, EASEMENTS, SETBACKS OR ANY OTHER LEGAL PROPERTY RESTRICTIONS EITHER MARKED OR UNMARKED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH ALL UNDERGROUND UTILITIES. CONTRACTOR SHALL REPAIR/REPLACE, AT NO ADDITIONAL COST TO THE COUNTY, ANY DAMAGE TO UNDERGROUND UTILITIES THAT MAY OCCUR.
- IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO BE FAMILIAR WITH ALL GRADE DIFFERENCES, SLOPES, LOCATION OF WALLS, REINFORCING WALLS, CURBS, ETC. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE ORIGINAL CONTRACTOR AND OTHER SUBCONTRACTORS FOR THE LOCATION OF PIPE SLEEVES THROUGH WALLS AND FOOTINGS, UNDER ROADS, PAVING AND STRUCTURES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ACTIVITIES WITH ALL AGENCIES AND OTHER TRADES.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON PLANS AT THE SITE PRIOR TO COMMENCEMENT OF ANY WORK. ALL DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO PROJECT LANDSCAPE ARCHITECT AND THE COUNTY PROJECT MANAGER FOR DIRECTION. ANY CONTINUATION OF WORK IS AT THE CONTRACTOR'S RISK AND EXPENSE.
- THE WORK ON THESE PLANS IS DIAGRAMMATIC. ALL ITEMS, I.E. CONTROLLER, PIPES, VALVES, MAIN LINES, SPLITTERS, IRRIGATORS, HEADS, ETC. ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ONLY AND SHALL BE INSTALLED IN PLANTING AREAS. TYPICAL. DO NOT SCALE DIMENSIONS. DETAIL DRAWINGS MAY CLARIFY LOCATION OF SOME ITEMS. THE CONTRACTOR SHALL NOT LOCATE ANY ITEMS WHERE IT IS OBVIOUS THAT THEY ARE IN CONFLICT WITH UNDERGROUND UTILITIES, STRUCTURES, OTHER IMPROVEMENTS, OR VEHICULAR OR PEDESTRIAN SAFETY CONSIDERATIONS.
- MAIN LINE MAY BE INSTALLED IN A STRAIGHT LINE. HOWEVER, REPAIR CONTROL VALVES SHALL BE INSTALLED AT LOCATIONS INDICATED ON IRRIGATION PLANS. REMOTE CONTROL VALVES SHALL BE INSTALLED PER THE VALVE & REMOTE CONTROL VALVE MANIFOLD DETAILS WITH DISTANCE FROM CONCRETE EDGE STRICTLY ENFORCED.
- THE IRRIGATION SYSTEM DESIGN IS BASED ON A MINIMUM OPERATING PRESSURE OF 120 PSI PER AS-BUILT PLANS. CONTRACTOR SHALL VERIFY WATER PRESSURES PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCES BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE PROJECT LANDSCAPE ARCHITECT AND THE COUNTY PROJECT MANAGER.
- IRRIGATION CONTROL WIRE (NOT SHOWN) SHALL BE LOCATED BELOW MAINLINE. TAPE & BUNDLE AT 10' O.C. LOCATE WIRE IN SLEEVE WHEN UNDER PAVING AND SHALL WORKS & AT ALL ANGLES (ALL ANGLES TO BE 90 DEGREES). CONTROL WIRE SHALL BE INSTALLED PER THE VALVE & REMOTE CONTROL VALVE MANIFOLD DETAILS WITH DISTANCE FROM CONCRETE EDGE STRICTLY ENFORCED.
- SPLICING OF 24 VOLT WIRES WILL NOT BE PERMITTED EXCEPT IN VALVE BOXES. LEAVE A 2" COIL OF EXCESS WIRE AT EACH SPLICE. LABEL ALL WIRES WITH PROOF MARKERS AT ALL SPLICES, VALVE MANIFOLDS AND CONTROL WIRE.
- SLEEVE IRRIGATION WIRING UNDER ALL PAVING. SLEEVE IRRIGATION LATERALS UNDER ALL PAVING. SLEEVE MAINLINE UNDER ALL PAVING. ALL SLEEVES TO BE 2x SIZE OF PIPE OR WIRE BUNDLE TO BE SLEEVED. 2" DIA. MIN.
- SPRINKLER HEADS SHALL BE INSTALLED 24" IN FROM EDGE OF WALKS, CURBS OR OTHER HARD SURFACES.
- USE CHECK VALVES AS REQUIRED TO ELIMINATE LOW HEAD DRAINAGE.
- EMERGENCY SHUTOFF VALVES SHALL BE PROVIDED AT POINTS OF CONNECTION AND ZONE ISOLATION POINTS.
- THE CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, ROADWAYS AND/OR BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE ADJUSTING THE HEADS, SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
- THE CONTRACTOR SHALL ONLY APPLY SUFFICIENT WATER TO PROMOTE HEALTHY GROWTH OF THE PLANT MATERIAL. AT NO TIME WILL THE CONTRACTOR APPLY WATER AT A RATE OF FREQUENCY WHICH CAUSES RUN-OFF OR SOIL SATURATION.
- WHEN VERTICAL OBSTRUCTIONS (STREET LIGHTS, TREES, ETC.) INTERFERE WITH THE SPRAY PATTERN OF THE SPRINKLER HEADS SO AS TO PREVENT IRRIGATION COVERAGE, THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST THE SPRINKLER SYSTEM BY INSTALLING A QUARTER CIRCLE OR HALF CIRCLE SPRINKLER HEAD ON EACH SIDE OF THE OBSTRUCTION SO AS TO PROVIDE PROPER COVERAGE. ALL ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
- IRRIGATION SYSTEMS SHALL NOT SPRAY DIRECTLY ONTO ANY GAS OR ELECTRICAL FACILITIES, STORM DRAIN, ACCESS ROADS OR MAINTENANCE PAIS.
- ALL MAIN LINE PIPES SHALL BE PRESSURE TESTED PER THE SPECIFICATIONS TO THE VALVES INSTALLED. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT NEEDED. IF ANY LEAKS DEVELOP, THE REPAIRS ARE TO BE MADE AND TEST REPEATED UNTIL THE SYSTEM IS PROVEN WATER TIGHT. THE CONTRACTOR IS TO CENTER LOAD THE PIPE AND LEAVE ALL JOINTS EXPOSED FOR INSPECTION. THE PRESSURE TEST SHALL BE OBSERVED AND APPROVED BY THE COUNTY PROJECT MANAGER. WHEN THE PIPE IS PROVEN WATER TIGHT AND ONLY THEN MAY THE LINE BE BACK-FILLED.
- IRRIGATION CONTRACTOR SHALL GUARANTEE THE ENTIRE IRRIGATION SYSTEM TO BE FREE OF DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR FROM FINAL ACCEPTANCE BY THE COUNTY.
- THE CONTRACTOR SHALL KEEP THE PREMISES CLEAR AND FREE OF EXCESS EQUIPMENT, MATERIALS AND RUBBISH INCIDENTAL TO HIS WORK.
- THE CONTRACTOR SHALL PROVIDE AND KEEP AN UP-TO-DATE "RECORD DRAWING" SHOWING ALL CHANGES TO THE ORIGINAL DRAWINGS AND EXACT LOCATIONS OF FACILITIES INSTALLED. BEFORE FINAL INSPECTION, THE CONTRACTOR SHALL FURNISH "RECORD DRAWINGS" TO THE PROJECT INSPECTOR.
- AN IRRIGATION AUDIT REPORT SHALL BE PERFORMED IMMEDIATELY FOLLOWING THE COMPLETION OF CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO HIRE A THIRD PARTY CERTIFIED LANDSCAPE IRRIGATION AUDITOR TO PROVIDE AN AUDIT REPORT TO THE COUNTY ON THE NEW AND MODIFIED PORTIONS OF THE IRRIGATION SYSTEM IN CONFORMANCE WITH ALL CURRENT REQUIREMENTS. CONTRACTOR WILL ALSO BE RESPONSIBLE TO MAKE ANY RECOMMENDED REPAIR OR CORRECTIONS THAT RESULT FROM THE IRRIGATION AUDIT REPORT AT NO COST TO THE COUNTY.
- THE CONTRACTOR SHALL PROVIDE NEW AND UPDATED CONTROLLER CHART FOR THE EXISTING CONTROLLER. THE CHART SHALL SHOW THE AREA IRRIGATED BY THE CONTROLLER AND SHALL BE THE MAXIMUM SIZE THE ENCLOSURE DOOR WILL ALLOW. THE CHART MAY BE REDUCED DRAWING OF THE RECORD DRAWINGS. THE CHART SHALL BE COLORED WITH DIFFERENT COLOR FOR EACH STATION. THE CHART SHALL BE LAMINATED. A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES.
- THE CONTRACTOR SHALL PROVIDE TWO (2) INDIVIDUALLY BOUND SETS OF OPERATION AND MAINTENANCE MANUALS FOR CONTROLLER REMOTE CONTROL VALVES, SHUT OFF VALVES, QUICK COUPLER VALVES, AND ALL OTHER MECHANICAL DEVICES WITH MOVING PARTS USED IN THIS CONTRACT. PRESENT IN HARDBACK THREE RING BINDERS.
- PRIOR TO THE APPROVAL OF THE RECORD PLAN, THE IRRIGATION LANDSCAPE PROFESSIONAL OF RECORD SHALL CONFIRM THAT THE LANDSCAPE AND IRRIGATION HAS BEEN CONSTRUCTED PER THE APPROVED LANDSCAPE AND IRRIGATION AS IS SHOWN HEREON.
- FIELD ADJUST ALL SPRINKLERS TO ELIMINATE OVERSPRAY ONTO SIDEWALKS OR DRIVEWAYS.
- SEE THE SPECIFICATION SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.

A XFS ON SURFACE DRIPLINE N.T.S.



B XFS ON SURFACE DRIPLINE AT GRADE W/ MULCH N.T.S.

IRRIGATION SCHEDULE

SYMBOL	EXISTING ELECTRICAL METER PER AS-BUILT PLANS. FIELD VERIFY - PROTECT IN PLACE
[Symbol]	EXISTING 24 STATION IRRIGATION CONTROLLER. FIELD VERIFY - PROTECT IN PLACE
[Symbol]	EXISTING 2" MASTER VALVE. FIELD VERIFY - PROTECT IN PLACE
[Symbol]	EXISTING 2" FLOW METER. FIELD VERIFY - PROTECT IN PLACE
[Symbol]	EXISTING 2 1/2" IRRIGATION WATER METER PER AS-BUILT PLANS. FIELD VERIFY - PROTECT IN PLACE
[Symbol]	EXISTING 3" BACKFLOW PREVENTER PER AS-BUILT PLANS. FIELD VERIFY - PROTECT IN PLACE
[Symbol]	EXISTING GATE VALVE. FIELD VERIFY - PROTECT IN PLACE
[Symbol]	EXISTING BRASS REMOTE CONTROL VALVE PER AS-BUILT PLANS. FIELD VERIFY - PROTECT IN PLACE/RELOCATE. ADJUST AS REQUIRED
[Symbol]	EXISTING BRASS REMOTE CONTROL VALVE PER AS-BUILT PLANS. FIELD VERIFY - TO BE REMOVED
[Symbol]	EXISTING IRRIGATION MAINLINE PER AS-BUILT PLANS. FIELD VERIFY - PROTECT IN PLACE/RELOCATE. ADJUST AS REQUIRED
[Symbol]	EXISTING IRRIGATION MAINLINE PER AS-BUILT PLANS. FIELD VERIFY - REMOVE/ABANDON IN PLACE
[Symbol]	EXISTING IRRIGATION LATERAL LINE PER AS-BUILT PLANS. FIELD VERIFY - PROTECT IN PLACE/RELOCATE. ADJUST AS REQUIRED
[Symbol]	EXISTING IRRIGATION LATERAL LINE PER AS-BUILT PLANS. FIELD VERIFY - REMOVE/ABANDON IN PLACE
[Symbol]	EXISTING TURF SPRAY POP-UP PER AS-BUILT PLANS. FIELD VERIFY - PROTECT IN PLACE/RELOCATE. ADJUST AS REQUIRED
[Symbol]	EXISTING TURF SPRAY POP-UP PER AS-BUILT PLANS. FIELD VERIFY - TO BE REMOVED
[Symbol]	EXISTING TURF ROTOR POP-UP PER AS-BUILT PLANS. FIELD VERIFY - PROTECT IN PLACE/RELOCATE. ADJUST AS REQUIRED
[Symbol]	EXISTING TURF ROTOR POP-UP PER AS-BUILT PLANS. FIELD VERIFY - TO BE REMOVED

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	GPM	RADIUS
[Symbol]	RAIN BIRD 5000-SAM-R-SS-PC-FC-MPR NEW TURF ROTOR, 5.0" POP-UP, STAINLESS STEEL RISER, MATCHED PRECIPITATION ROTOR (MPR NOZZLE) ARC AND RADIUS AS PER SYMBOL, 25 FT-RED, 30 FT-GREEN, 35 FT-BEIGE. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING	45	25	25'
[Symbol]	RAIN BIRD 8004-SS TURF ROTOR, 5.0" POP-UP, STAINLESS STEEL RISER, STANDARD NOZZLE WITH SEAL-A-MATIC CHECK VALVE, ADJUSTABLE 50-350 ARC, AND 360 NON-REVERSING FULL CIRCLE. 1" (26/34) NPT FEMALE THREADED INLET. EXTENDED RADIUS IS IDEAL FOR LARGE TURF APPLICATIONS.	50	6.5	49'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
[Symbol]	RAIN BIRD XC2-160-LCDR NEW HIGH FLOW CONTROL ZONE KIT, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2" PESB-R SCRUBBER GLOBE VALVE WITH SINGLE 1-1/2" PRESSURE REGULATING (40PSI) QUICK-CHECK BASKET FILTERS. FLOW RANGE: 15-65GPM
[Symbol]	AREA TO RECEIVE DRIPLINE RAIN BIRD XFS-CV-08-12 NEW XFS-CV ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 4.3 PSI CHECK VALVE, 0.6 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. SPECIFY XFS INSERT FITTINGS.
[Symbol]	RAIN BIRD EFB-CP-PRS-D NEW 2" BRASS REMOTE CONTROL VALVE (THAT IS CONTAMINATION PROOF W/SELF-FLUSHING FILTER SCREEN). GLOBE CONFIGURATION
[Symbol]	RAIN BIRD 43-DLRC NEW 3/4" BRASS QUICK-COUPLING VALVE WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, DOUBLE TRACK KEY LUG, AND 2-PIECE BODY.
[Symbol]	NEW IRRIGATION LATERAL LINE UP TO AND INCLUDE 1 1/2" TO BE PVC SCHEDULE 40. 2" AND LARGER TO BE PVC CLASS 315 SDR 13.5
[Symbol]	NEW IRRIGATION MAINLINE UP TO AND INCLUDE 1 1/2" TO BE PVC SCHEDULE 40. 2" AND LARGER TO BE PVC CLASS 315 SDR 13.5
[Symbol]	NEW PIPE SLEEVE: PVC SCHEDULE 40

PIPE SIZE LEGEND

GPM	PIPE SIZE	NOTE
0-7	3/4" MIN.	1/2" PIPE IS NOT ALLOWED. MINIMUM SIZE PIPE TO BE 3/4" CONTRACTOR TO SIZE PIPE BASED ON CHART
8-12	1"	
13-21	1-1/4"	
22-31	1-1/2"	
32-50	2"	CONTRACTOR TO SIZE PIPE BASED ON CHART
51-70	2-1/2"	
71-100	3"	

DEPARTMENT OF PARKS AND RECREATION
COUNTY OF SAN DIEGO
5500 OVERLAND DRIVE, SUITE 410 SAN DIEGO, CALIFORNIA 92123



NO.	REVISIONS	APPR.	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT MANAGER

LONNY BREWER COUNTY PARK
DOG PARK
IRRIGATION LEGEND, NOTES, AND DETAILS

ID-1	SCALE
12	AS SHOWN
13	AS SHOWN

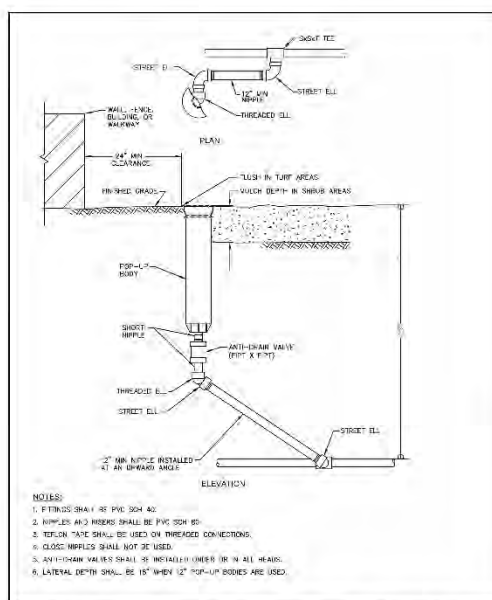


Table with 4 columns: Revision, Date, Description, and Drawing Number. Includes title 'ROTON, SPRAY, OR BUBBLER POP-UP HEAD' and drawing number '1-03'.

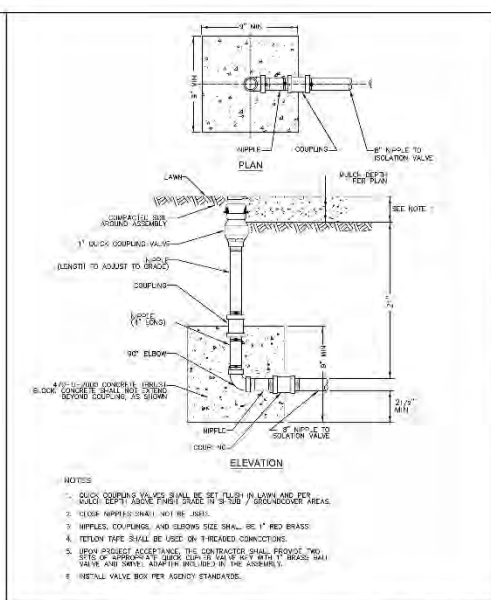


Table with 4 columns: Revision, Date, Description, and Drawing Number. Includes title 'QUICK COUPLING VALVE' and drawing number '1-05'.

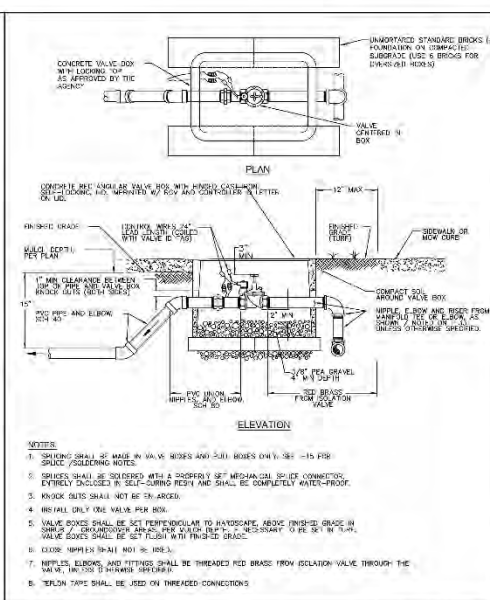


Table with 4 columns: Revision, Date, Description, and Drawing Number. Includes title 'REMOTE CONTROL VALVE' and drawing number '1-14'.

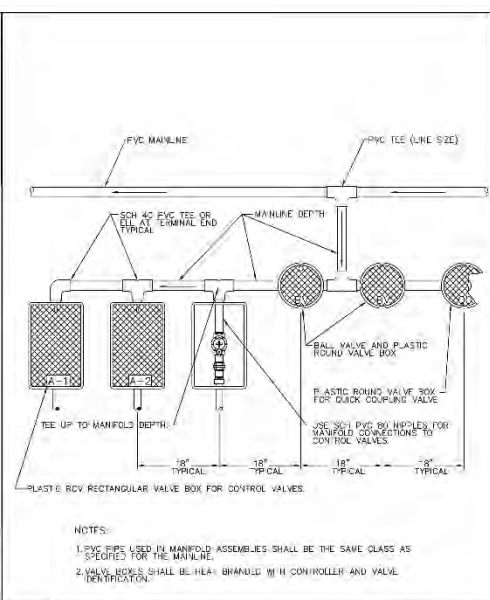


Table with 4 columns: Revision, Date, Description, and Drawing Number. Includes title 'REMOTE CONTROL VALVE MANIFOLD ASSEMBLY WITH PVC PIPE (TEMPORARY SYSTEMS)' and drawing number '1-32'.

Professional seal for Michael Baker International, including a signature and date '08.10.21'.

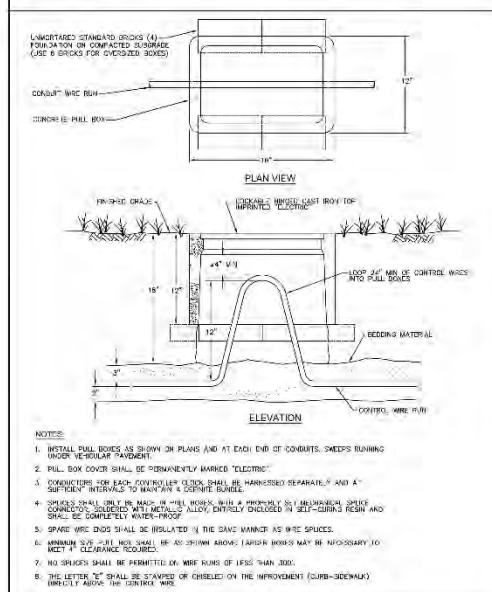


Table with 4 columns: Revision, Date, Description, and Drawing Number. Includes title 'ELECTRICAL PULL BOX FOR DIRECT BURIAL CONTROL WIRES AND SPICING NOTS' and drawing number '1-5'.

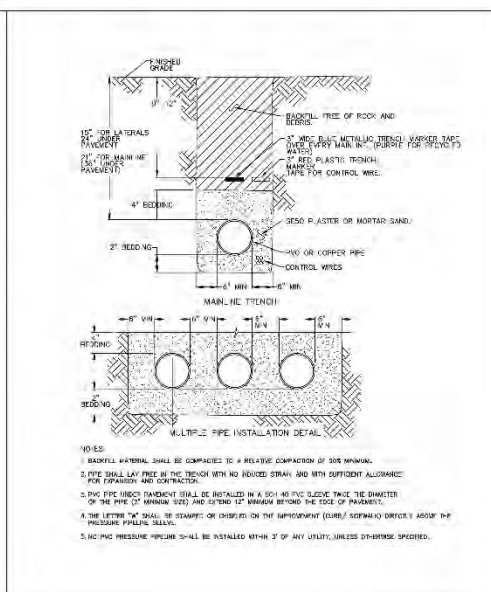


Table with 4 columns: Revision, Date, Description, and Drawing Number. Includes title 'IRRIGATION TRENCH PVC OR COPPER PIPE' and drawing number '1-25'.

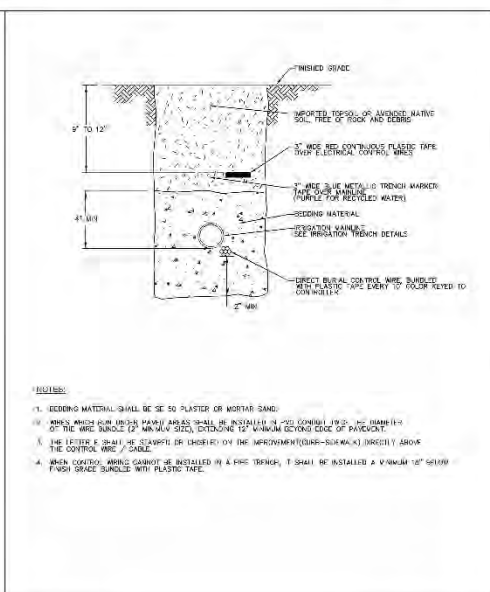


Table with 4 columns: Revision, Date, Description, and Drawing Number. Includes title 'CONTROL WIRE INSTALLATION' and drawing number '1-16'.

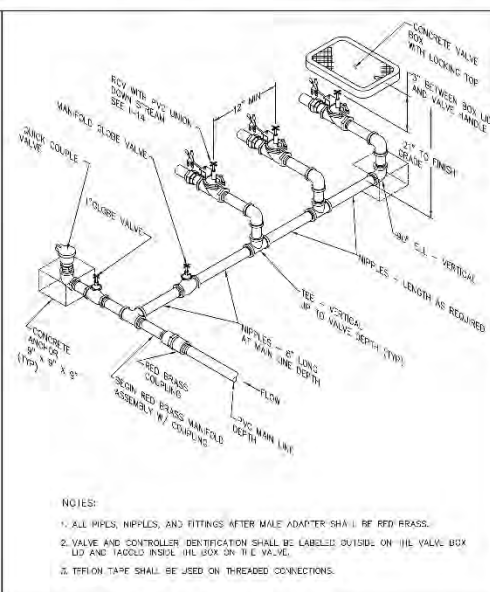


Table with 4 columns: Revision, Date, Description, and Drawing Number. Includes title 'REMOTE CONTROL VALVE MANIFOLD ASSEMBLY WITH BRASS PIPE' and drawing number '1-33'.

DEPARTMENT OF PARKS AND RECREATION COUNTY OF SAN DIEGO 5500 OVERLAND DRIVE, SUITE 410 SAN DIEGO, CALIFORNIA 92123



Table with columns for NO., REVISIONS, DATE, and DESIGNED BY. Includes a signature line for the project manager.

LONNY BREWER COUNTY PARK DOG PARK IRRIGATION DETAILS

ID-2 SCALE SHEET 13 OF 13

We Make A Difference

Michael Baker

INTERNATIONAL

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