

DATE: April 16, 2020

TO: WCA Governing Board

FROM: Deborah Enos, Deputy Executive Officer

THROUGH: Mark Stanley, Executive Officer

SUBJECT: Item 15: Consideration of a resolution to authorize the Executive Officer and/or designee to award 1) demolition contract; and, 2) construction contract for the Crystal Lake Recreation Area U.S. Forest Service projects.

RECOMMENDATION: That the Watershed Conservation Authority (WCA) Governing Board authorize the Executive Officer and/or designee to award 1) demolition contract; and, 2) construction contract for Crystal Lake Recreation Area (Exhibit A: Vicinity Map) auxiliary and maintenance projects under U.S. Forest Service Participating Agreement Supplemental Project Agreement (SPA) projects for a combined amount up to \$600,000.

PROJECT DESCRIPTION: Under the Master Participating Agreement with U.S. Forest Service, this action will 1) demolish decommissioned facilities, including a storage building and restroom facilities (Exhibit B: Demolition Plans); and 2) make improvements to the Crystal Lake Visitor Center, construct a trash transfer station, and improve two camp host sites (Exhibit C: Improvement and Maintenance Plans) within the Crystal Lake Recreation Area.

On January 18, 2018, the WCA Governing Board, Resolution 2017-07, authorized a contract with Blue Green Consulting to provide planning and design services for the Crystal Lake Recreation Area and San Gabriel Canyon Master Plan. In February 2020, at the direction of USFS under the MPA, the scope of work for the Blue Green Consulting contract was amended to focus remaining planning and design services toward the development of construction design packages to realize both the demolition and maintenance improvement projects within the Crystal Lake Recreation Area and utilize USFS available SPA funding set to sunset June 30, 2020 (Exhibit D: Updated Blue Green Scope of Work).

In order to achieve the completion of these new projects within this very short timeline to expend the remaining funds and meet the expectations of the USFS, in close coordination, two request for bid packages are being prepared. The release of the Request For Bid (RFB) packages are pending Board authorization to award being considered today.

In preparation for the release of the RFB packages and potential award of contracts, WCA staff and Blue Green Consulting have been working very closely with USFS staff to ensure environmental clearances, permitting and associated approvals such as the Department of Housing and Urban Development have been completed. Additionally, projects have been processed and cleared by the USFS as Categorical Exemptions under the National Environmental Protection Act and have been found to not be subject to California Environmental Quality Act. Additionally, before any demolition is started USFS will survey the buildings for bats, if found, mitigation will be conducted under the direction of the USFS. This mitigation

may include the installation of bat boxes. If a maternity nest is found, the demolition of the facility may be affected. This information is clearly noticed to the contractor in the RFB package.

Additionally, due to COVID-19, USFS had been temporarily advised to stay at home and has therefore not yet been authorized to return to the project site to test buildings for lead and asbestos. USFS anticipates having the restriction lifted will provide that information as soon as it is available. This potential work has been listed in the scope of work as currently excluded and if found will be authorized through a change order and use of contingency. The RFP also requires that the contractor can complete all work before June 30, 2020 and that they bid with the understanding of current COVID-19 related policies, orders and directives. That all work will be conducted in accordance with local, state and federal requirements related to COVID-19.

USFS, aware of the potential for COVID-19 disruption to work and procuring materials during this uncertain time is requesting an extension of the sunset date for the funding. There is no guarantee that will happen so all efforts are being made to complete the work within the deadline.

These proposed improvements will greatly enhance the Crystal Lake visitor center in the ANF and San Gabriel Mountains National Monument and meets the objective to rehabilitate facilities to meet the current and anticipated needs of a growing and culturally diverse population.

In summary, the WCA staff will release two separate Request for Bid packages following approval at this board meeting for the Demolition and Construction projects. Sealed bids will be received at the end of a 10-working day bid period. The sealed bids will be opened and recorded and the apparent lowest responsible bidder identified. Staff, with the concurrence of USFS and A/E consultant, will review the packages for completeness and confirm eligibility before presenting the bid results to the Executive Officer for review. The Executive Officer or designee will then authorize the contract award to the respective contractors for demolition contract and construction contract for auxiliary and maintenance projects to be completed within the Crystal Lake Recreation Area (CLRA).

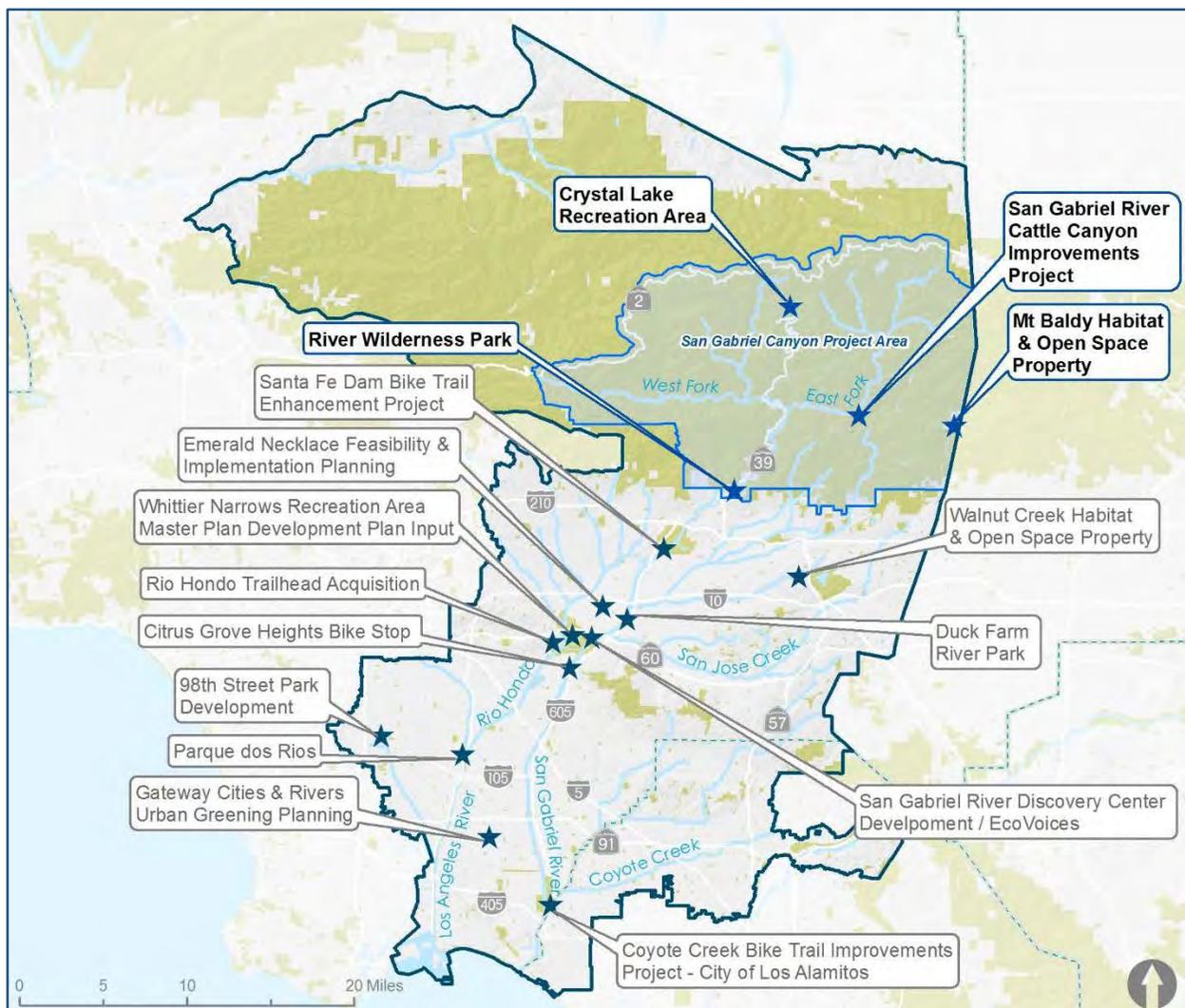
BACKGROUND: On June 25, 2015, the WCA Governing Board, Resolution 2015-27, approved entering into a 5-year Master Participating Agreement (MAP) with the United States Forest Service ('USFS'), Angeles National Forest ('ANF') to partner with the WCA to plan recreational improvements and ecological restoration opportunities with the San Gabriel Canyon with a focus on improving public access and use while mitigating their impacts. This action further authorized the Governing Board Chair or designee to negotiate and enter into Supplement Project Agreements including, but limited to, the Crystal Lake Recreational Area Project. The SPAs authorize the expenditure of federal funding for work to be completed within the project area and in accordance with the MPA.

FISCAL INFORMATION: The proposed contracts are to be funded through Supplemental Project Agreements (SPAs) with U.S. Forest Service which were accepted by the WCA Board on June 25, 2015. SPA 2 and SPA-1 includes available funding up to \$600,000.



Exhibit A

Territory Map: San Gabriel Canyon Project



CRYSTAL LAKE DEMOLITION PROJECTS Crystal Lake Recreation Area

Demolition Site #1 - Warehouse and Surrounding Landscape.....Page 2

Demolition Site #2 - Crystal Lake Restroom.....Page 11

Demolition Site #3 - Deer Flats C.G. Restrooms.....Page 15

Demolition Site #4 - Former Crystal Lake Camp Host Site.....Page 20

NOTES:

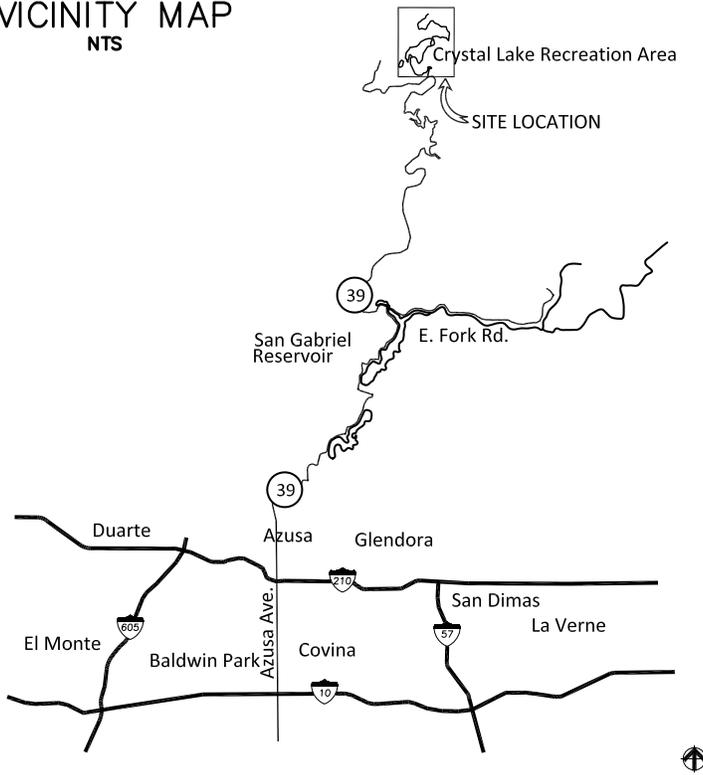
1. DUE TO COVID-19 CRISIS, CONTRACTOR AND STAFF SHALL FOLLOW STATEWIDE GUIDELINES FOR WORKPLACE SAFETY.
2. BAT SURVEY TO BE CONDUCTED PRIOR TO START OF WORK. USFS AND WCA WILL CONTACT CONTRACTOR IF PROJECT IS TO BE DELAYED DUE TO SURVEY RESULTS.
3. ASBESTOS TESTING TO BE CONDUCTED PRIOR TO START OF WORK. USFS AND WCA WILL INFORM CONTRACTOR IF PROJECT IS TO BE DELAYED DUE TO TEST RESULTS.

Prepared by BlueGreen Consulting
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for

The Watershed Conservation Authority
 100 N. Old San Gabriel Canyon Rd.
 Azusa, CA 91702

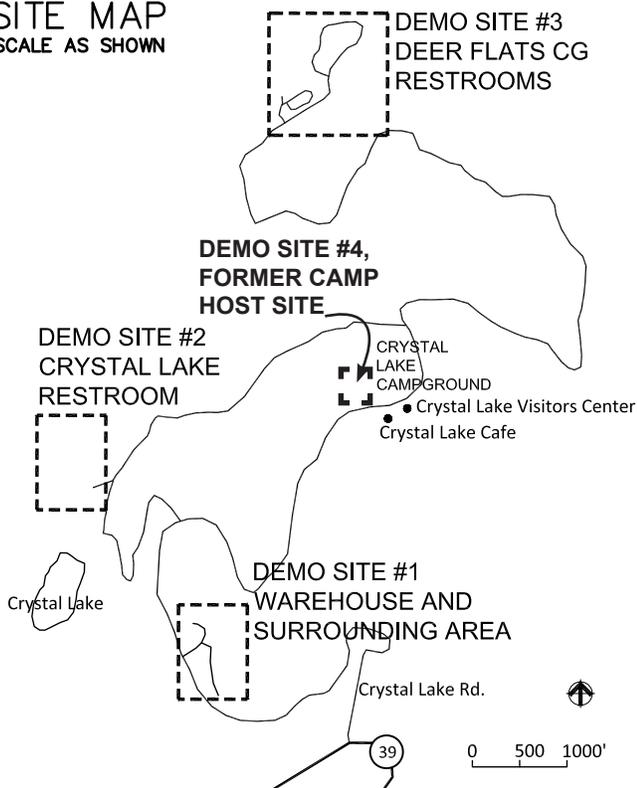
VICINITY MAP
NTS



VICINITY MAP

The work will be conducted at the Crystal Lake Recreation Area, within the Angeles National Forest. From Azusa, travel north on Highway 39. Near the top of Highway 39 (mile marker 38.13), turn right into the Crystal Lake Recreation Area.

SITE MAP
SCALE AS SHOWN



SITE MAP

Demolition Site #1

Demolition Site Number 1 is located approximately .86 miles up the Crystal Lake Recreation Area Road, on the right side.

Demolition Site #2

Approximately 1 mile up the Crystal Lake Recreation Road from Highway 39, turn left toward Crystal Lake. Follow one-way road for .4 mile, turn left into the upper Crystal Lake parking lot.

Demolition Site #3

From the Crystal Lake Cafe, drive 2 miles up to the Deer Flats Campground. Road may need clearing.

Demolition Site #4

Camp host site is 420' northwest of the Crystal Lake Cafe.

Demolition Site #1 WAREHOUSE AND SURROUNDING LANDSCAPE

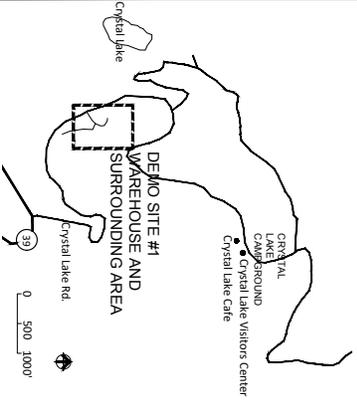
Project Description:

Demolition Site Number 1 is located approximately .86 miles up the Crystal Lake Road. All work on this project falls within of a 3-acre demolition boundary (see following page) that surrounds a former fire station/warehouse building and the adjacent landscape. The main elements to be demolished and disposed of are the 1,899 S.F. warehouse, the 1,173 S.F. of asphalt concrete surrounding it, and three propane tanks that once served the area. The building footprint and surrounding asphalt removal area will need to be fine graded to match existing grades. The location has been used as a staging area for maintenance operations and has miscellaneous debris scattered throughout that also needs to be removed from the site, including broken concrete, wood, metal and other waste. An entry gate at the site will need to be removed and replaced with a new pipe gate (see detail A). The warehouse, debris, and other elements slated for demolition are catalogued in the following pages for reference. All demolition and disposal is to be done according to the specifications provided for this project.

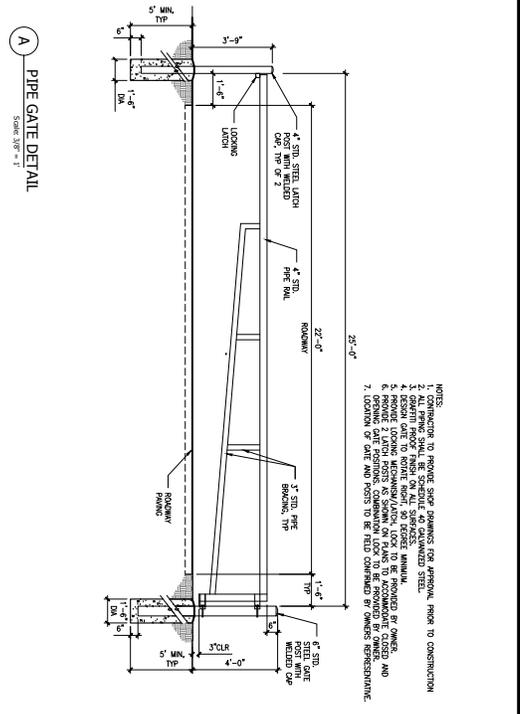
Cap all existing utility conduits as needed and bury capped end. All trees, vegetation, gabion walls, water infrastructure including vaults and pipe (both underground and above ground), as well as the weather station equipment shown below are to be protected.



DEMOLITION SITE #1 - WAREHOUSE AND SURROUNDING AREA



- LEGEND**
 --- DEMOLITION AREA
- DEMOLITION SITE #1:**
- EXISTING 1,899 S.F. WAREHOUSE AND WAREHOUSE CONTENTS TO BE DEMOLISHED AND DISPOSED OF. DEMOLISH AND REMOVE CONCRETE FOOTING (STEM ONLY) AND BURY REMAINING FOOTING TO PROVIDE MINIMUM 12" COMPACTED FILL COVER.
 - REMOVE AND CONCRETE EXISTING PROPAANE TANK (TO BE RETURNED TO USFS); DEMOLISH AND DISPOSE OF CONCRETE SLAB.
 - REMOVE & SITE/GUARD EXISTING PROPAANE TANK (TO BE RETURNED TO USFS); DEMOLISH AND DISPOSE OF CONCRETE SLAB.
 - REMOVE & SITE/GUARD EXISTING PROPAANE TANK (TO BE RETURNED TO USFS); DEMOLISH AND DISPOSE OF CONCRETE SLAB.
 - ENTRY GATE TO BE DEMOLISHED, HAULED AWAY AND A NEW GATE INSTALLED TO REPLACE IT (SEE DETAIL A).
 - REMOVE ALL DEBRIS AND SCATTERED DEBRIS INSIDE OF INDICATED DEMOLITION AREA, INCLUDING WOOD, METAL, CONCRETE AND OTHER RUBBISH ON SITE THAT IS NOT PART OF THE EXISTING WATER SYSTEM OR
 - DEMOLISH AND DISPOSE OF ASPHALT PAVING.
- NOTES:**
- PROTECT IN PLACE EXISTING WATER INFRASTRUCTURE
 - PROTECT IN PLACE ALL EXISTING TREES
 - PROTECT IN PLACE EXISTING WEATHER STATION INFRASTRUCTURE
 - PROTECT IN PLACE ALL EXISTING UTILITY CONDUITS AS NOTED AND BURY CAPPED END.
 - CP# ALL EXISTING UTILITY CONDUITS AS NOTED AND BURY CAPPED END.



PROTECT IN PLACE EXISTING WEATHER STATION INFRASTRUCTURE

PIPE GATE DETAIL
 Scale: 3/8" = 1"

NOTES:

- CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION
- CONTRACTOR TO PROVIDE PROTECTIVE MEASURES TO PREVENT DAMAGE TO EXISTING INFRASTRUCTURE
- CONTRACTOR TO PROVIDE PROTECTIVE MEASURES TO PREVENT DAMAGE TO EXISTING INFRASTRUCTURE
- CONTRACTOR TO PROVIDE PROTECTIVE MEASURES TO PREVENT DAMAGE TO EXISTING INFRASTRUCTURE
- PROVIDE LOCKING MECHANISM/ALTERN. LOCK TO BE PROVIDED BY OWNER.
- PROVIDE 2" LATCH PRESS AS SHOWN IN PLAN TO BE PROVIDED BY OWNER.
- LOCATION OF GATE AND DOORS TO BE FIELD DETERMINED BY OWNER'S REPRESENTATIVE.

DMA BEFORE YOU DIG
 CALL 811 OR VISIT www.dmagov.com
 VISIT www.dmagov.com FOR MORE INFORMATION
 811 SERVICE: 811-4-INFO
 811 SERVICE: 811-4-INFO
 811 SERVICE: 811-4-INFO

DATE: APRIL 2020
PROJECT NO.: 05230

REVISIONS	DATE

<p>PROJECT TITLE</p> <p>SGC MAINTENANCE PROJECTS SAN GABRIEL CANYON</p>	<p>SHEET TITLE</p> <p>DEMOLITION SITE #1 WAREHOUSE AREA DEMOLITION PLAN</p>	<p>WATERSHED CONSERVATION AUTHORITY 100 N OLD SAN GABRIEL CANYON ROAD AZUSA, CA 91702 PHONE: (626) 615-1019</p> <p>Blue Green Open Space Planning & Design LOS ANGELES, CALIFORNIA 90065 (323) 221-9500</p>	<p>DATE</p> <p>APRIL 2020</p>
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FRONT



R. SIDE



BACK



L. SIDE

WAREHOUSE DEMOLITION

- 1,899 S.F. Structure, including utilities and all contents of building.
- Cap all existing utility conduits as needed and bury capped end.
- Demolish and remove concrete footing (stem only) and bury remaining footing to provide minimum 12" compacted fill cover.
- 1,173 S.F. asphalt paving at ends of warehouse building.



TANK 1



TANK 2



TANK 3



STEEL POSTS SURROUNDING TANK 3

PROPANE TANK DEMOLITION

- Tank 1 - Cap all existing utility conduits as needed and bury capped end. Remove & safeguard existing propane tank (to be returned to USFS); demolish and dispose of concrete slab.
- Tank 2 - Cap all existing utility conduits as needed and bury capped end. Remove & safeguard existing propane tank (to be returned to USFS); demolish and dispose of concrete slab.
- Tank 3 - Cap all existing utility conduits as needed and bury capped end. Remove & safeguard existing propane tank (to be returned to USFS); demolish and dispose of concrete slab. Remove steel posts surrounding tank.



REMOVE AND REPLACE GATE



REMOVE CINDER BLOCK BOX (3' X 5' X 4')



REMOVE (3) STEEL RINGS (PRESERVE DUMPSTER) REMOVE (3) ELECTRICAL BOXES



REMOVE WOOD WINDOW FRAME



REMOVE PIPES, WOOD, BROKEN GLASS, CINDER BLOCKS



REMOVE PICNIC TABLE



REMOVE LUMBER



REMOVE MISC.



REMOVE MISC.



REMOVE MISC.



REMOVE WOOD POLE



REMOVE PICNIC TABLES



REMOVE CRIB BLOCKS



REMOVE BRUSH PILES (MULTIPLE)



REMOVE BROKEN CONCRETE, ETC.



REMOVE MISC.



REMOVE MISC.



REMOVE MISC.



REMOVE METAL



REMOVE MISC.



REMOVE BROKEN CONCRETE CURB



REMOVE WOOD BOX



REMOVE WIRE



REMOVE MISC.



REMOVE MISC.



REMOVE MISC.

Demolition Site #2 CRYSTAL LAKE RESTROOM

Project Description:

Partial Demolition and Adaptive Reuse of Site

Demolition Site Number 2, the Crystal Lake Parking Area Restroom, is located on the west side of the larger Crystal Lake Parking Lot, at the top of two flights of masonry steps.



SIDE 1



SIDE 2



SIDE 3



SIDE 4

CRYSTAL LAKE UPPER PARKING AREA RESTROOM - Partial Demolition and Adaptive Re-use

- Cap all existing utility conduits as needed and bury capped end.
- All demolition and disposal is to be done according to the specifications provided for this project. All trees, vegetation and existing masonry work are to be protected.
- Remove exterior and interior walls of 138 SF building to open building and expose structural posts and beams.
- Evaluate structure and add/replace/or resize as necessary vertical posts to match style of existing building.
- Brace posts as necessary (see Figure B, page 14). Contractor to provide shop drawings.
- Rebuild roof on top of existing beams. New roof to have cedar shakes to replicate existing roof.
- Pump and fill 4 pit toilets and fill with with native soil (borrow site within 1/2 mile distance will be designated at start of project).
- Patch concrete slab to match existing
- Build new masonry seat wall to connect existing stair walls at top landing (see detail C). Masonry to match existing masonry.
- Build wood bench per detail D.

PARTIAL DEMOLITON AND ADAPTIVE REUSE OF RESTROOM BUILDING



FIGURE A, BEFORE



FIGURE B, AFTER

Demolition Site #3

DEER FLATS RESTROOMS

Project Description:

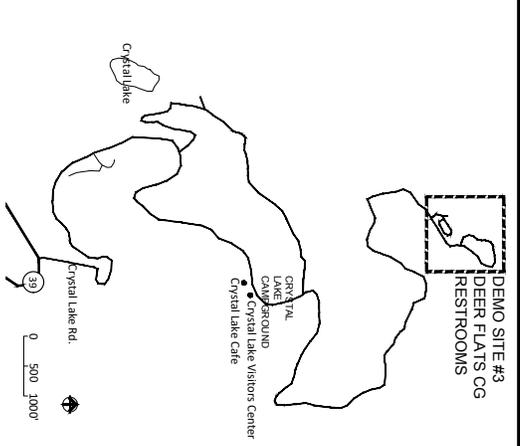
Demolition Site Number 3, the Deer Flats Campground, is located above the Crystal Lake Camp Ground, approximately 2 miles beyond the Crystal Lake Cafe. The work at this site consists of demolishing and disposing of three (3) damaged, outdated restrooms in the Deer Flats Campground. The 2-mile access road to Deer Flats Campground is paved with asphalt, and averages between 10-12 feet in width. Occasionally, the road is as narrow as 8' wide due to debris related obstructions (rock and soil that comes down the mountain) that will need to be removed in order to mobilize large equipment for demolition.

All demolition and disposal is to be done according to the specifications provided for this project. All trees, vegetation, water infrastructure not associated with the restrooms, are to be protected. Cap all existing utility conduits as needed and bury capped end.



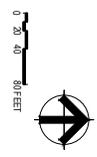
DEMOLITION SITE #3 - DEER FLATS CAMPGROUND RESTROOMS

- NOTES:**
1. OHP ALL EXISTING UTILITY CONDUITS AS NEEDED AND BURY CHIPPED END.
 2. ALL DEMOLITION AND DISPOSAL IS TO BE DONE ACCORDING TO THE SPECIFICATIONS PROVIDED FOR THIS PROJECT. ALL TREES, VEGETATION, WATER INFRASTRUCTURE NOT ASSOCIATED WITH THE RESTROOMS, ARE TO BE PROTECTED.



LEGEND
 - - - - - PROJECT AREA

- Ⓐ RESTROOM A (SEE DEER FLATS RESTROOM DEMOLITION PLAN) IS PARTIALLY BARRIED BY A DEBRIS FLOW. DEMOLITION WILL ENTAIL REMOVING THE PARTS OF THE BUILDING THAT PROTRUDE ABOVE GROUND AND BURNING THE REMAINING ELEMENTS UNDER MINIMUM 12" NATIVE MATERIAL FROM THE SITE (BORROW SITE WITHIN 1/2 MILE DISTANCE WILL BE DESIGNATED AT START OF PROJECT). RESTROOM A IS A 207 S.F. ON A 289 S.F. SLAB AND 0.75 L.F. OF 4" HIGH CONCRETE BLOCK WALL ON EACH SHORT END OF THE BUILDING. THERE ARE FOUR FLUSH TOILETS IN THIS BUILDING.
- Ⓑ RESTROOM B, DEMOLITION AND DISPOSAL OF DEER FLATS RESTROOM B INCLUDES THE 284 S.F. STRUCTURE, 363 S.F. SLAB FOUNDATION, 29 L.F. 4" CONCRETE BLOCK EXTERIOR WALL AND 6 FLUSH TOILETS. DEMOLISH AND REMOVE CONCRETE FOOTING (STEEL ONLY) AND BURY REMAINING FOOTING TO PROVIDE MINIMUM 12" COMPACTED NATIVE FILL COVER. PUMP SEPTIC TANK, CUT TOP AND FILL WITH MINIMUM 12" COMPACTED NATIVE FILL COVER. FINE GRADE SITE TO MATCH EXISTING ELEVATIONS. BORROW SITE WITHIN 1/2 MILE DISTANCE WILL BE DESIGNATED AT START OF PROJECT.
- Ⓒ RESTROOM C, DEMOLITION AND DISPOSAL OF DEER FLATS RESTROOM C INCLUDES THE 207 S.F. STRUCTURE, 289 S.F. SLAB FOUNDATION, 21 L.F. 4" CONCRETE BLOCK EXTERIOR WALL AND 4 FLUSH TOILETS. DEMOLISH AND REMOVE CONCRETE FOOTING (STEEL ONLY) AND BURY REMAINING FOOTING TO PROVIDE MINIMUM 12" COMPACTED NATIVE FILL COVER. PUMP SEPTIC TANK, CUT TOP AND FILL WITH MINIMUM 12" COMPACTED NATIVE FILL COVER. FINE GRADE SITE TO MATCH EXISTING ELEVATIONS. BORROW SITE WITHIN 1/2 MILE DISTANCE WILL BE DESIGNATED AT START OF PROJECT.



DMU BEFORE YOU DIS
 DRAWING: 19
 DATE: APRIL 2008
 PROJECT NO: 06220
 DRAWN BY: LD
 CHECKED BY: LD
 DATE: APRIL 2008

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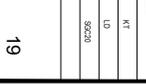
REVISIONS	DATE	Item 15

PROJECT TITLE
 SGC MAINTENANCE PROJECTS
 SAN GABRIEL CANYON

SHEET TITLE
 DEMOLITION SITE #3
 DEER FLATS
 RESTROOMS
 DEMOLITION PLAN

WATERSHED CONSERVATION AUTHORITY
 100 N OLD SAN GABRIEL CANYON ROAD
 AZUSA, CA 91702
 PHONE: (626) 815-1019

BlueGreen
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DMU BEFORE YOU DIS
 DRAWING: 19
 DATE: APRIL 2008
 PROJECT NO: 06220
 DRAWN BY: LD
 CHECKED BY: LD
 DATE: APRIL 2008



SIDE 1



SIDE 2



SIDE 3



SIDE 4



BURIED 4' CINDER BLOCK WALL



DEBRIS UP TO THE DOORKNOBS

DEER FLATS RESTROOM A

Restroom A (see Deer Flats Restroom Demolition Plan) is partially buried by a debris flow. Demolition will entail removing the parts of the building that protrude above ground and burying the remaining elements under minimum 12" native material from the site (borrow site within 1/2 mile distance will be designated at start of project). Restroom A is a 207 S.F. on a 269 S.F. slab and 10.75 L.F. of 4' high cinder block wall on each short end of the building. There are four flush toilets in this building.



SIDE 1



SIDE 2



SIDE 3



SIDE 4

DEER FLATS RESTROOM B

Restroom B. Demolition and disposal of Deer Flats Restroom B includes the 284 S.F. structure, 363 S.F. slab foundation, 29 L.F. 4' cinder block exterior wall, and 6 flush toilets. Demolish and remove concrete footing (stem only) and bury remaining footing to provide minimum 12" compacted native fill cover. Pump septic tank, cut top and fill with minimum 12" compacted native fill cover. Fine grade site to match existing elevations. Borrow site within 1/2 mile distance will be designated at start of project.



SIDE 1



SIDE 2



SIDE 3



SIDE 4

DEER FLATS RESTROOM C

Restroom C. Demolition and disposal of Deer Flats Restroom C includes the 207 S.F. structure, 269 S.F. slab foundation, 21 L.F. 4' cinder block exterior wall, and 4 flush toilets. Demolish and remove concrete footing (stem only) and bury remaining footing to provide minimum 12" compacted native fill cover. Pump septic tank, cut top and fill with minimum 12" compacted native fill cover. Fine grade site to match existing elevations. Borrow site within 1/2 mile distance will be designated at start of project.

Demolition Site #4 FORMER CRYSTAL LAKE CAMP HOST SITE

Project Description:

Demolition Site Number 4 is located approximately 420 feet northwest of the Crystal Lake Cafe. All trees and vegetation are to be protected. Cap all existing utility conduits as needed and bury capped end.



SINK, CINDERBLOCK COUNTER AND
CONCRETE SLAB



FIRE RING



ELECTRICAL PANEL, CONCRETE SLAB
AND GUY WIRE POST (NO GUY WIRE)



THREE STEEL BOLLARDS

FORMER CRYSTAL LAKE CAMP HOST SITE

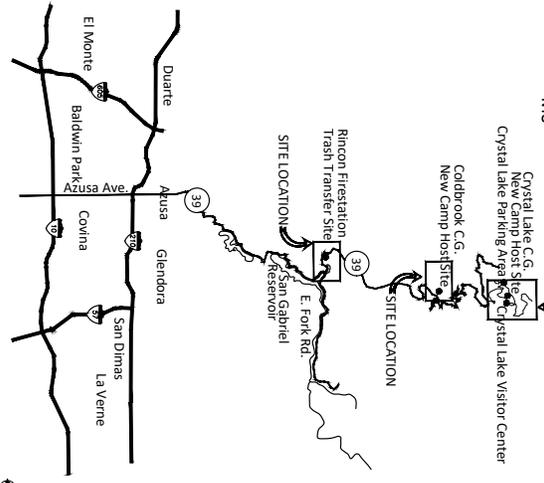
- Remove and dispose of sink, counter and concrete slab
- Remove and dispose of electrical hook up, concrete slab, and guy wire post
- Remove and dispose of 3 steel bollards
- Remove, dispose of fire ring
- Install new ADA fire ring
- Install new water post and faucet at former connection (see plan)
- Add wood picnic table per plan
- Fine grade and define with existing rocks 60' of 4' wide path per plan

EXHIBIT C

SAN GABRIEL CANYON MAINTENANCE PROJECTS

SAN GABRIEL CANYON AND CRYSTAL LAKE VISITOR CENTER

LOCATION MAP



GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD AT START OF PROJECT. REPORT ANY DISCREPANCY IMMEDIATELY TO PROJECT MANAGER.
- THESE NOTES SHALL BE USED IN CONJUNCTION WITH THE P.LANS AND SPECIFICATIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND THE OWNER.
- ALL WORK IS TO BE COMPLETED ACCORDING TO CURRENT EDITIONS OF THE CALIFORNIA PUBLIC WORKS CONSTRUCTION (THE GREENBOOK) LATEST EDITION.
- THIS WORK SHALL BE INSTALLED BY A LICENSED CONTRACTOR WHO SHALL CARRY WORKMAN'S COMPENSATION, PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE.
- CHECK FOR EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION WORK. NOTIFY PERMITTING UTILITY SERVICE AGENCY UNDERGROUND SERVICE ALERT AT 8-1-1 TWO WEEKS PRIOR TO EXCAVATION. CONTRACTOR SHALL BE RESPONSIBLE FOR SAVING AND REPAIRING EXISTING S/D UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS AND DISPOSITION OF S/D MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTION.
- CONTRACTOR SHALL PROVIDE PRELIMINARY AND FINAL LINES RELEASES FROM ALL S/D CONTRACTORS PRIOR TO FINAL PAYMENT.
- CONTRACTOR SHALL NOT FULLY PROCEED WITH DEMOLITION OR CONSTRUCTION SHOW WHEN IT IS DETERMINED THAT UNKNOWN CONDITIONS, OBJECTS OR GRADE EXIST. THESE UNKNOWN CONDITIONS SHALL BE RECORDED AND THE PERMANENCE OF THESE CONDITIONS SHALL BE DETERMINED BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTICE.
- CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THE CONTRACTOR AT ALL TIMES SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES, TREES AND PERFORMANCE OF WORK ON THIS PROJECT EXCEPT FOR UTILITIES ARISING FROM THE SOLE RESPONSIBILITY OF THE OWNER OR THE LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL KEEP THE PREMISES CLEAN AND FREE OF EXCESS EQUIPMENT, MATERIALS AND RUBBISH INCIDENTAL TO THE WORK. ALL CONSTRUCTION DEBRIS SHALL BE CLEARED FROM THE SITE AT THE END OF EACH DAY.
- IF PERMITTED BY AFE STAFF, VEHICLES AND EQUIPMENT GENERATED IN OR ADJACENT TO PROJECT SHALL BE STORED IN A DESIGNATED AREA. THE CONTRACTOR SHALL USE CERTIFIED WEED-FREE PRODUCTS.
- FOR THE PROTECTION OF PERSONS AND PROPERTY, INCLUDING BUT NOT LIMITED TO VISITORS AND THE PUBLIC, THE CONTRACTOR SHALL MAINTAIN ADEQUATE SAFETY BARRIERS AND SIGNAGE AT ALL TIMES.
- ALL QUALITY CONTROL (QC) SHALL BE DONE BY THE CONTRACTOR, INCLUDING VISUAL INSPECTIONS FOR CONCRETE, ASPHALT AND UTILITY WORK SHALL BE COORDINATED WITH THE FOREST ENGINEER FOR QUALITY ASSURANCE (QA) AFE CONTRACT: RICHARDO LOPEZ, FOREST ENGINEER, RICHARDO.LOPEZ@USDA.GOV, 626.914.9295
- FOR EMBANKMENT MATERIAL, A BORROW LOCATION FOR EACH SITE REQUIRING MATHEMATICAL CALCULATIONS SHALL BE DETERMINED BY THE AFE. THE CONTRACTOR SHALL FILL INCLUDING ABANDONED CONCRETE WALLS SHALL BE DETERMINED BY THE AFE AT A LOCATION WITHIN 50 FEET FROM EACH PROJECT AREA. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SAFETY BARRIERS AND SIGNAGE AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SAFETY BARRIERS AND SIGNAGE AT ALL TIMES.

PROJECT CONTACTS

PROJECT MANAGEMENT
 WATERSHED CONSERVATION AUTHORITY
 ATTN: DERBORGH ENOS
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LANDSCAPE ARCHITECT
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PROJECT OWNER
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 SAN GABRIEL MOUNTAINS NATIONAL MONUMENT
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 (626) 914-9199
 (626) 914-9199 EXT. 105

CONTRACT: RICHARDO LOPEZ, FOREST ENGINEER
 RICHARDO.LOPEZ@USDA.GOV,
 626.914.9295

ONLINE ENGINEERING
 1807 E ORANGE GROVE BLVD
 PASADENA, CA 91104

CONTRACTOR AND STAFF SHALL FOLLOW STATEWIDE GUIDELINES FOR WORKPLACE SAFETY DURING COVID-19 CRISIS.

SHEET INDEX

TS-00	TITLE SHEET
D-1-00	CLVC DEMOLITION PLAN
L-2-00	CLVC IMPROVEMENTS PLAN
L-2-01	CLVC BUILDING MAINTENANCE PLAN
L-2-02	BID ALT #1 - CRYSTAL LAKE C.G. HOST SITE PLAN
L-2-03	BID ALT #2 - COLDBROOK C.G. HOST SITE PLAN
L-2-04	RINCON TRASH TRANSFER SITE
L-2-05	CRYSTAL LAKE PARKING IMPROVEMENTS
L-2-50	CONSTRUCTION DETAILS
L-2-51	CONSTRUCTION DETAILS
L-2-52	CONSTRUCTION DETAILS

PROJECT LOCATIONS & DESCRIPTIONS

THE PROPOSED PROJECTS ARE LOCATED ALONG HWY 78 NORTH OF THE CITY OF AZUSA, ON FEDERAL LANDS MANAGED BY THE ANGELES NATIONAL FOREST SAN GABRIEL MOUNTAINS NATIONAL MONUMENT, WITHIN THE BOUNDARIES OF THE WATERSHED CONSERVATION AUTHORITY TERRITORY.

THE RINCON TRASH TRANSFER SITE IS LOCATED AT THE RINCON TRAIL STATION, 16200 SAN GABRIEL CANYON ROAD, AZUSA, CALIFORNIA. THE SITE IS A 1.5-ACRE TRASH TRANSFER STATION. THE SITE IS CURRENTLY USED AS A GRAVEL APPROACH, GRAVEL PAD, AND TWO CONCRETE APRONS. THIS SITE WILL BE USED TO TEMPORARILY DEPOSIT TRASH IN A WILDLIFE PROOF TRAILER THAT WILL BE DELIVERED, PARKED, AND PICKED UP FROM THE LOCATION. THE SITE WILL FACILITATE TRASH REMOVAL IN THE SAN GABRIEL CANYON AREA.

THE COLDBROOK CAMPING HOST PROJECT IS LOCATED OFF OF HWY 39, JUST PAST MILE MARKER 32.72, IMPROVEMENTS TO THE EXISTING CAMP HOST SITE INCLUDE EXPANSION OF THE ASPHALT SLAB FOR RV PARKING, NEW UTILITY CONNECTIONS, NEW PICO TABLE, FIRE RINGS, BBQ AMENITIES, A SEWAGE HOLDING TANK HOOD-UP AND STORAGE SHED. THE INFORMATION KIOSK WILL BE REMOVED AND REPLACED.

THE CRYSTAL LAKE CAMPGROUND CAMP HOST PROJECT IS LOCATED IN THE CRYSTAL LAKE RECREATION AREA, LOOP A, CAMPGROUND #1. THE RECREATION AREA IS AT THE TOP OF HWY 39 AT MILE MARKER 38.13. AN EXISTING CAMP SITE WITH UTILITY CONNECTIONS, NEW PICO TABLE, FIRE RINGS, BBQ AMENITIES, A SEWAGE HOLDING TANK HOOD-UP AND STORAGE SHED. THE INFORMATION KIOSK WILL BE REMOVED AND REPLACED.

THE CRYSTAL LAKE VISITOR CENTER PROJECT IS LOCATED IN THE CRYSTAL LAKE RECREATION AREA, OPPOSITE THE CRYSTAL LAKE CAFE. TURN OFF OF HWY 39 AT MILE MARKER 38.13 AND TRAVEL 1.91 MILES TO THE VISITOR CENTER. IMPROVEMENTS TO THE VISITOR CENTER WILL INCLUDE NEW PAINT, NEW SIGNAGE, REMOVAL OF OUTDATED ELEMENTS, AND CONSTRUCTION OF 3 NEW PARKING SPACES, A CONCRETE INTERPRETIVE PATIO WITH INTERPRETIVE SIGNAGE, AND CONSTRUCTION OF 3 NEW PARKING SPACES, A CONCRETE INTERPRETIVE PATIO WITH INTERPRETIVE SIGNAGE. IMPROVEMENTS WILL BE TO THE ACCESSIBLE, INCLINED, PAVED ADA COMPLIANT PATH BETWEEN THE INTERPRETIVE CENTER AND THE NEAREST RESTROOM.

CRYSTAL LAKE PARKING AREA IMPROVEMENTS IS LOCATED AT THE CRYSTAL LAKE PARKING AREA. IMPROVEMENTS WILL INCLUDE CONSTRUCTION OF 3 NEW PARKING SPACES, A CONCRETE INTERPRETIVE PATIO WITH INTERPRETIVE SIGNAGE, AND CONSTRUCTION OF 3 NEW PARKING SPACES, A CONCRETE INTERPRETIVE PATIO WITH INTERPRETIVE SIGNAGE. IMPROVEMENTS WILL BE TO THE ACCESSIBLE, INCLINED, PAVED ADA COMPLIANT PATH BETWEEN THE INTERPRETIVE CENTER AND THE NEAREST RESTROOM.

CRYSTAL LAKE PARKING AREA IMPROVEMENTS IS LOCATED AT THE CRYSTAL LAKE PARKING AREA. IMPROVEMENTS WILL INCLUDE CONSTRUCTION OF 3 NEW PARKING SPACES, A CONCRETE INTERPRETIVE PATIO WITH INTERPRETIVE SIGNAGE, AND CONSTRUCTION OF 3 NEW PARKING SPACES, A CONCRETE INTERPRETIVE PATIO WITH INTERPRETIVE SIGNAGE. IMPROVEMENTS WILL BE TO THE ACCESSIBLE, INCLINED, PAVED ADA COMPLIANT PATH BETWEEN THE INTERPRETIVE CENTER AND THE NEAREST RESTROOM.

DATE BEFORE YOU DUE
 DATE: APR. 200
 CHECKED BY: SCZD

FOR THE STATE OF CALIFORNIA
 LICENSED LANDSCAPE ARCHITECT
 MARTIN KAMMERER
 No. 10000

FOR THE STATE OF CALIFORNIA
 LICENSED LANDSCAPE ARCHITECT
 RICHARDO LOPEZ
 No. 10000

FOR THE STATE OF CALIFORNIA
 LICENSED LANDSCAPE ARCHITECT
 RICHARDO LOPEZ
 No. 10000

REVISIONS	DATE

WATERSHED CONSERVATION AUTHORITY
 100 N OLD SAN GABRIEL CANYON ROAD
 AZUSA, CA 91701
 PHONE: (626) 815-1019

BlueGreen
 Open Space Planning & Design
 2616 NORTH FIGUEROA, SUITE A
 LOS ANGELES, CALIFORNIA 90065
 (323) 221-9500

SHEET TITLE
 TITLE SHEET

PROJECT TITLE
 SGC MAINTENANCE PROJECTS
 SAN GABRIEL CANYON

DATE: APR. 200
 CHECKED BY: SCZD

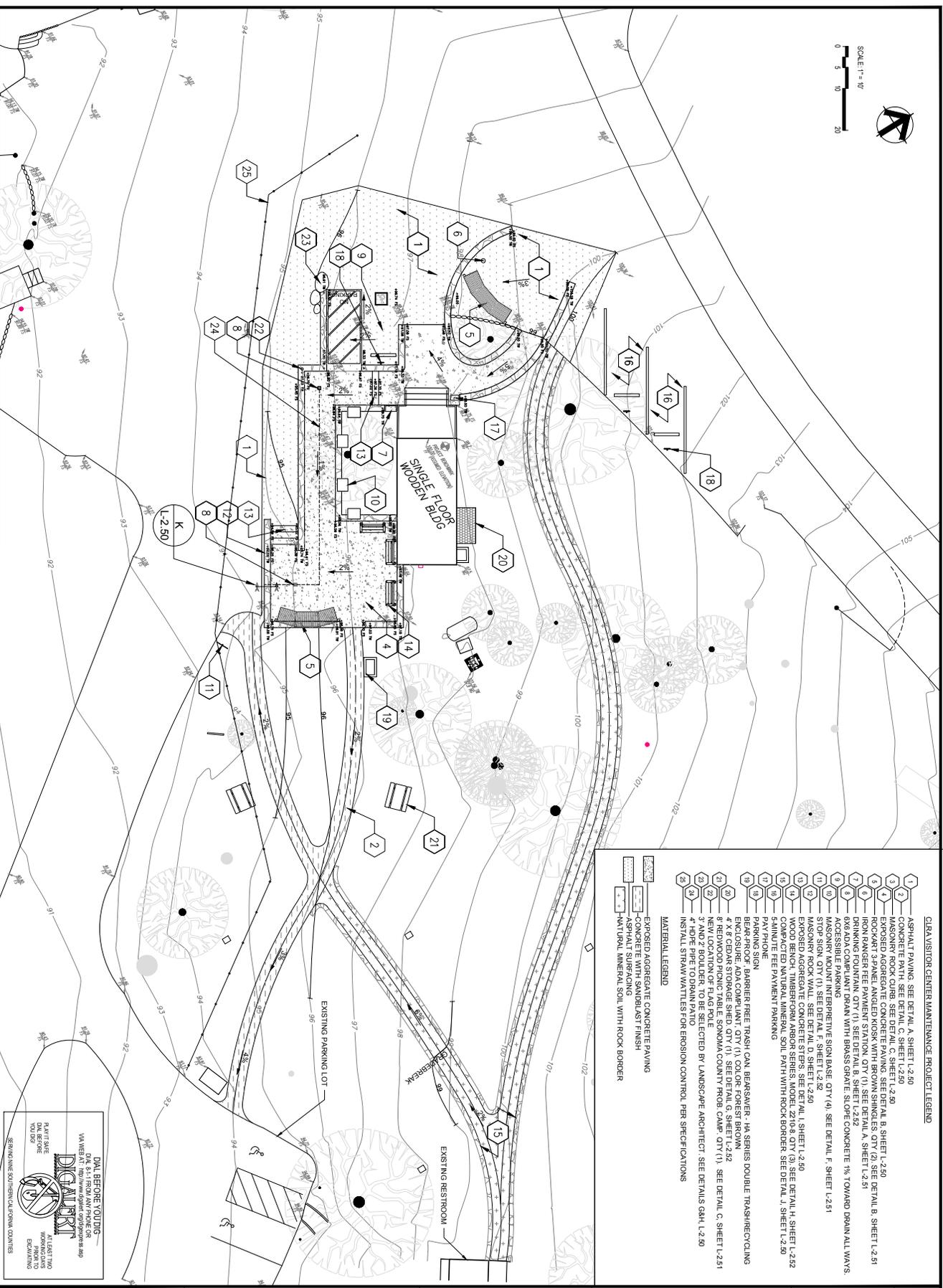
FOR THE STATE OF CALIFORNIA
 LICENSED LANDSCAPE ARCHITECT
 MARTIN KAMMERER
 No. 10000

FOR THE STATE OF CALIFORNIA
 LICENSED LANDSCAPE ARCHITECT
 RICHARDO LOPEZ
 No. 10000

FOR THE STATE OF CALIFORNIA
 LICENSED LANDSCAPE ARCHITECT
 RICHARDO LOPEZ
 No. 10000



SCALE: 1" = 40'
 0 5 10 20



- CRystal Lake VISITOR CENTER MAINTENANCE PROJECT LEGEND**
- 1 ASPHALT PAVING. SEE DETAIL A, SHEET L-2.50
 - 2 CONCRETE PATH. SEE DETAIL C, SHEET L-2.50
 - 3 MASONRY ROCK CURB. SEE DETAIL C, SHEET L-2.50
 - 4 MASONRY ROCK CURB. SEE DETAIL B, SHEET L-2.50
 - 5 ROCKCART 3-PANEL ANGLED KIOSK WITH BROWN SHINGLES. QTY (2). SEE DETAIL B, SHEET L-2.51
 - 6 DRINKING FOUNTAIN. QTY (1). SEE DETAIL B, SHEET L-2.51
 - 7 600 ADA COMPLIANT DRINK WITH BRASS GRADE. SLOPE CONCRETE 1% TOWARD DRAIN ALL WAYS.
 - 8 MASONRY MOUNT INTERPRETIVE SIGN BASE. QTY (4). SEE DETAIL F, SHEET L-2.51
 - 9 STOP SIGN. QTY (1). SEE DETAIL D, SHEET L-2.50
 - 10 EXPOSED AGGREGATE CONCRETE STEPS. SEE DETAIL I, SHEET L-2.52
 - 11 EXPOSED AGGREGATE CONCRETE STEPS. SEE DETAIL J, SHEET L-2.52
 - 12 COMPACTED NATURAL MINERAL SOIL. PATH WITH ROCK BORDER. SEE DETAIL J, SHEET L-2.52
 - 13 5-MINUTE FEE PAYMENT PARKING
 - 14 PAY PHONE
 - 15 PARKING SIGN
 - 16 BARRIER FREE TRASH CAN BEARSWER - 14. SERIES DOUBLE TRANSHRECYCLING ENCLOSURE. ADA COMPLIANT. QTY (1). COLOR: FOREST BROWN.
 - 17 4' X 8' CEDAR STORAGE SHED. QTY (1). SEE DETAIL G, SHEET L-2.52
 - 18 REDWOOD PICNIC TABLE. SONOMA COUNTY PROB. CAMP. QTY (1). SEE DETAIL C, SHEET L-2.51
 - 19 NEW COASD PIONEER FLAG SELECTED BY LANDSCAPE ARCHITECT. SEE DETAILS G&H, L-2.50
 - 20 4" HOPE PIPE TO DRAIN PATIO
 - 21 INSTALL STRAW WATTLES FOR EROSION CONTROL. PER SPECIFICATIONS
- MATERIAL LEGEND**
- EXPOSED AGGREGATE CONCRETE PAVING
 - CONCRETE WITH SAND/BLAST FINISH
 - ASPHALT SURFACING
 - NATURAL MINERAL SOIL WITH ROCK BORDER

DNL BERGER YOUNG
 ARCHITECTS
 11555 TRO
 WASHINGTONS
 AVENUE
 SUITE 100
 LOS ANGELES
 CA 90024

PLANNING
 ARCHITECTURE
 INTERIOR DESIGN
 LANDSCAPE ARCHITECTURE
 ENVIRONMENTAL DESIGN

OWNER: WATERSHED CONSERVATION AUTHORITY
 PROJECT NO: 30220
 DATE: APRIL 2020

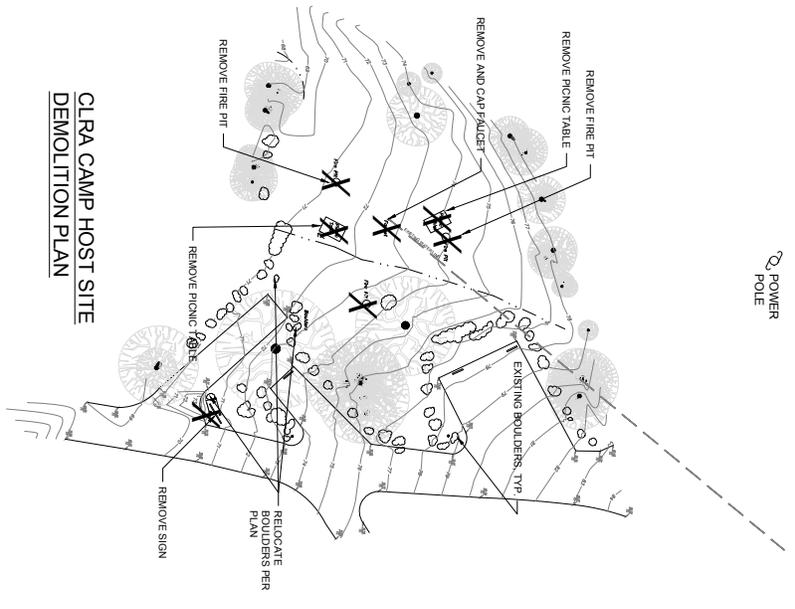
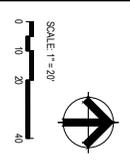
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SHEET TITLE	CRYSTAL LAKE VISITOR CENTER MAINTENANCE PROJECT
DATE	APRIL 2020
PROJECT NO.	30220
DATE	APRIL 2020
PROJECT NO.	30220
DATE	APRIL 2020

DATE	APRIL 2020
PROJECT NO.	30220
DATE	APRIL 2020
PROJECT NO.	30220
DATE	APRIL 2020
PROJECT NO.	30220

WATERSHED CONSERVATION AUTHORITY
 100 N OLD SAN GABRIEL CANYON ROAD
 AZUSA, CA 91702
 PHONE: (626) 815-1019

BlueGreen
 Open Space Planning & Design
 2616 NORTH FIGUEROA, SUITE A
 LOS ANGELES, CALIFORNIA 90065
 (323) 221-9500

REVISIONS	DATE

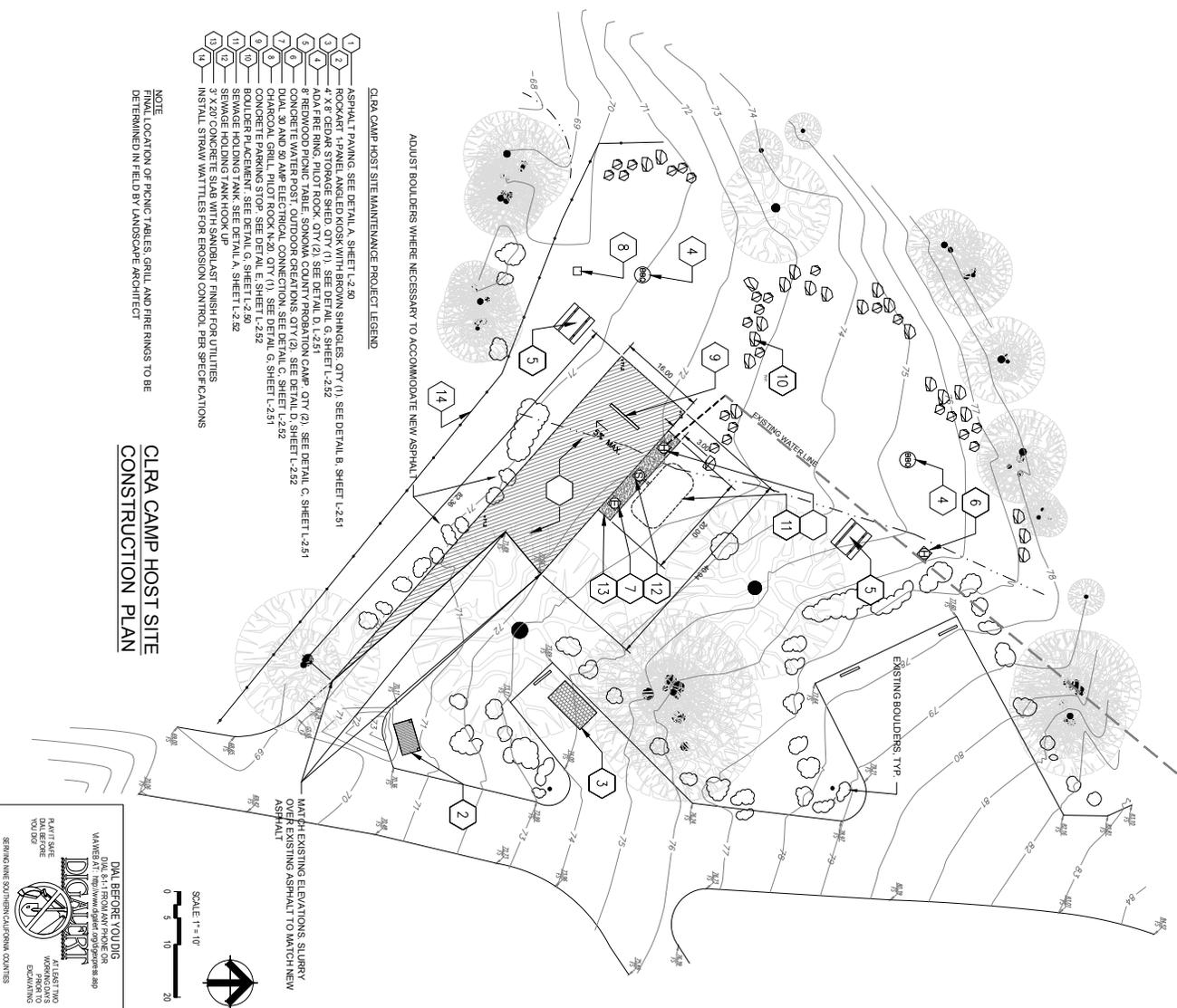


**CLRA CAMP HOST SITE
DEMOLITION PLAN**

- CLRA CAMP HOST SITE MAINTENANCE PROJECT LEGEND**
- 1 ASPHALT PAVING, SEE DETAIL A, SHEET L-2.50
 - 2 ROCKYART PANEL ANGLE KROSK WITH BROWN SHINGLES, QTY (1), SEE DETAIL B, SHEET L-2.51
 - 3 4X4 BENCH SPRING, QTY (1), SEE DETAIL G, SHEET L-2.52
 - 4 4X4 BENCH SPRING, QTY (1), SEE DETAIL G, SHEET L-2.52
 - 5 8' REDWOOD PICNIC TABLE, SONOMA COUNTY PROBABATION CAMP, QTY (2), SEE DETAIL C, SHEET L-2.51
 - 6 8' REDWOOD PICNIC TABLE, SONOMA COUNTY PROBABATION CAMP, QTY (2), SEE DETAIL C, SHEET L-2.51
 - 7 DUAL 30 AND 60 AMP ELECTRICAL CONNECTION, SEE DETAIL G, SHEET L-2.52
 - 8 CONCRETE PARKING STOP, SEE DETAIL E, SHEET L-2.52
 - 9 BOULDER PLACEMENT, SEE DETAIL A, SHEET L-2.51
 - 10 SEWAGE HOLDING TANK, SEE DETAIL A, SHEET L-2.52
 - 11 2X10 CONCRETE SLAB, 8" THICK, 12" RISE, 12" FINISH FOR UTILITIES
 - 12 2X10 CONCRETE SLAB, 8" THICK, 12" RISE, 12" FINISH FOR UTILITIES
 - 13 2X10 CONCRETE SLAB, 8" THICK, 12" RISE, 12" FINISH FOR UTILITIES
 - 14 INSTALL STRAIN WADTLERS FOR EROSION CONTROL, PER SPECIFICATIONS

NOTE
FINAL LOCATION OF PICNIC TABLES, GRILL AND FIRE RINGS TO BE
DETERMINED IN FIELD BY LANDSCAPE ARCHITECT

**CLRA CAMP HOST SITE
CONSTRUCTION PLAN**



DLA BERBERE YOUNG
11555 TRO
WILSON AVENUE
SAN FRANCISCO, CA 94122
WWW.DLA-BERBERE.COM

PLANNING
DESIGN
CONSTRUCTION

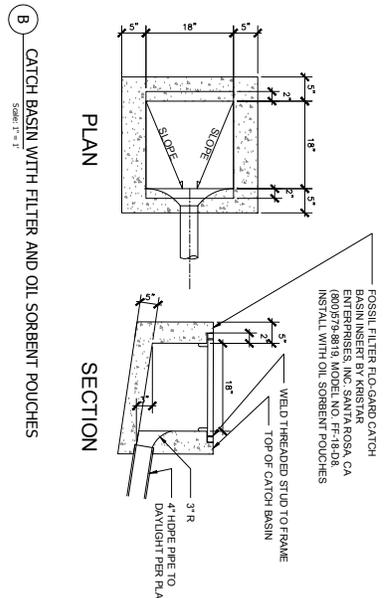
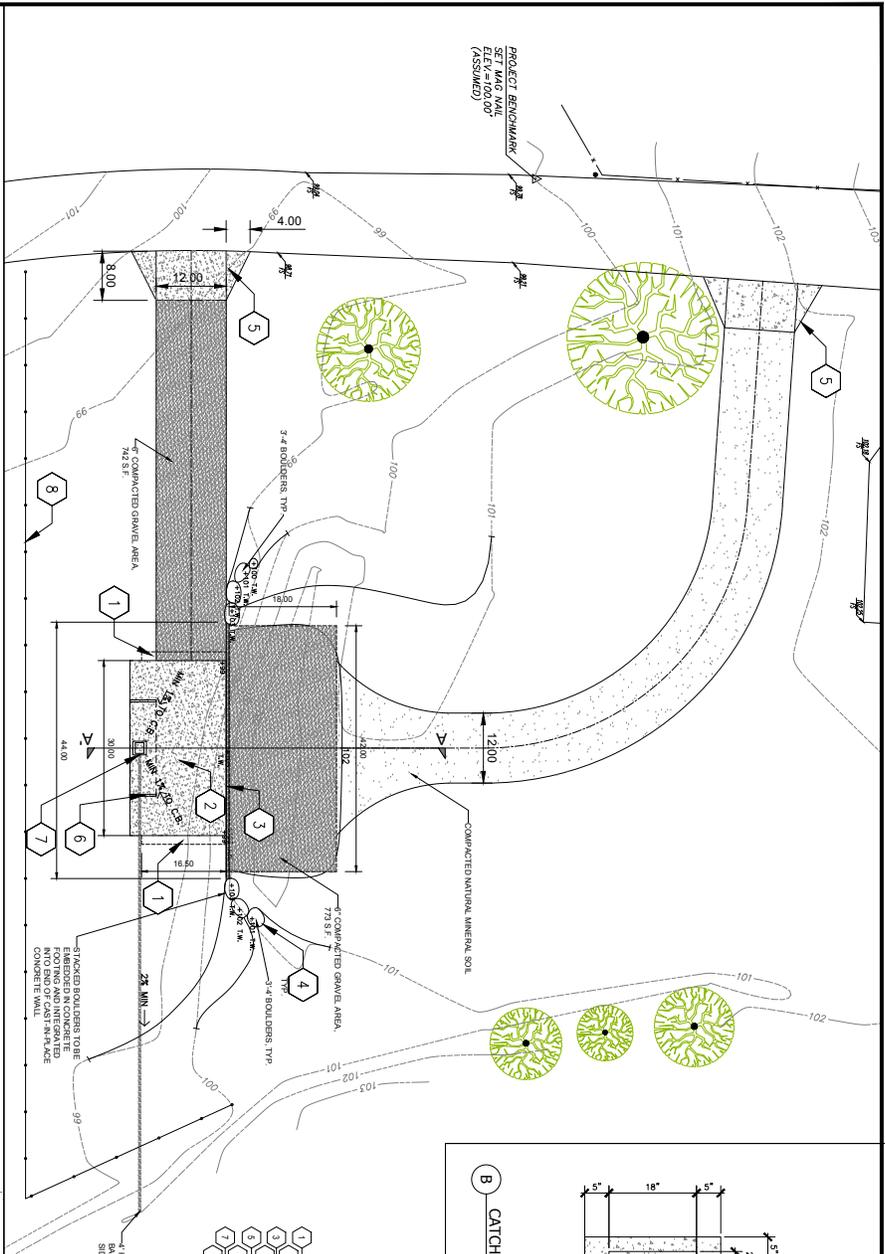
SCALE 1" = 10'

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SHEET TITLE	BID ALTERNATIVE #1 NEW CRYSTAL LAKE CAMP HOST SITE
PROJECT NO.	100000000
DATE	APRIL 2020
SCALE	1" = 20'
PROJECT NO.	100000000
DATE	APRIL 2020
SCALE	1" = 20'

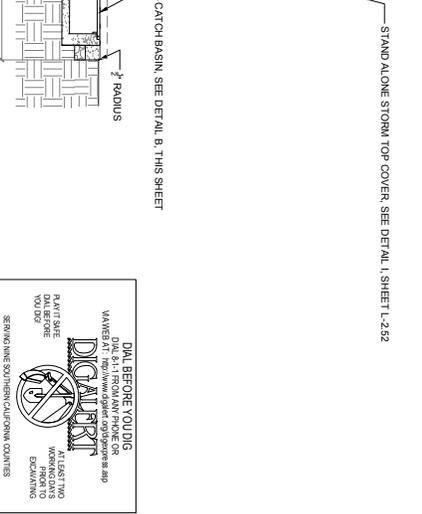
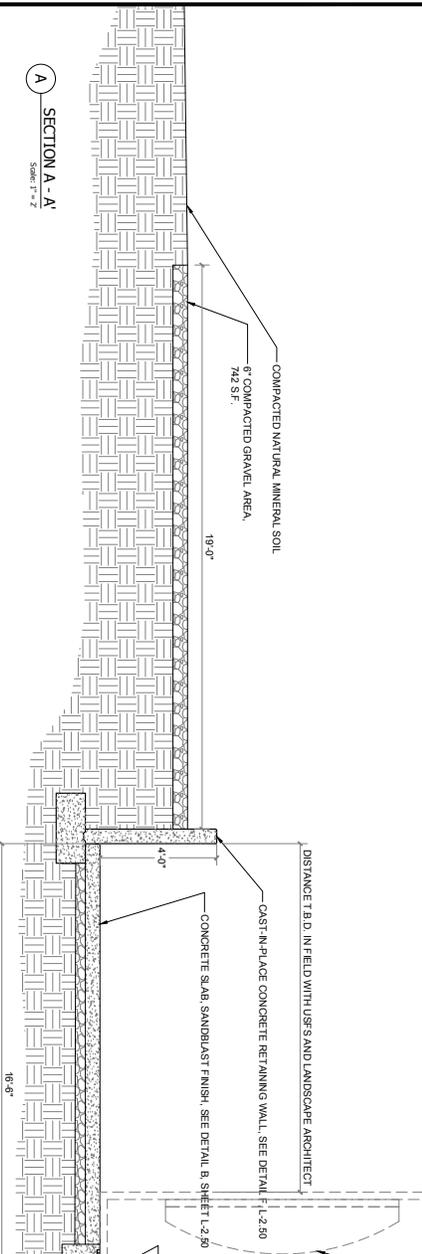
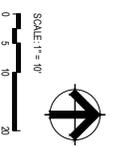
WATERSHED CONSERVATION AUTHORITY
100 N OLD SAN GABRIEL CANYON ROAD
AZUSA, CA 91702
PHONE: (626) 815-1019

Blue Green
Open Space Planning & Design
2616 NORTH FIGUEROA, SUITE A
LOS ANGELES, CALIFORNIA 90065
(323) 221-9500

REVISIONS	DATE



- TRASH TRANSFER SITE MAINTENANCE PROJECT LEGEND**
- 1 VANHORN TRANSITION, SEE DETAIL E, SHEET L-2.52
 - 2 6\"/>
 - 3 3\"/>
 - 4 CONCRETE APRON WITH SANDBLAST FINISH
 - 5 STAND ALONE STORM TOP COVER, ALSO CUSTOM COVERS SEE DETAIL I, SHEET L-2.52
 - 6 CATCH BASIN WITH FILTER AND OIL SORBENT POUCHES SEE DETAIL B, THIS SHEET
 - 7 1/2\"/>
 - 8 4\"/>



DNL BERKEE YOUNG
 DNL & YOUNG ARCHITECTS
 1000 S. RIVINGTON AVENUE, SUITE 100
 VAN HORN, CA 94133
 TEL: (415) 763-1000
 WWW.DNLYOUNG.COM

DATE: APRIL 2020

PROJECT NO: SGC20

SCALE: 1" = 10'

NO.	DATE	DESCRIPTION
1	APRIL 2020	ISSUED FOR PERMITS

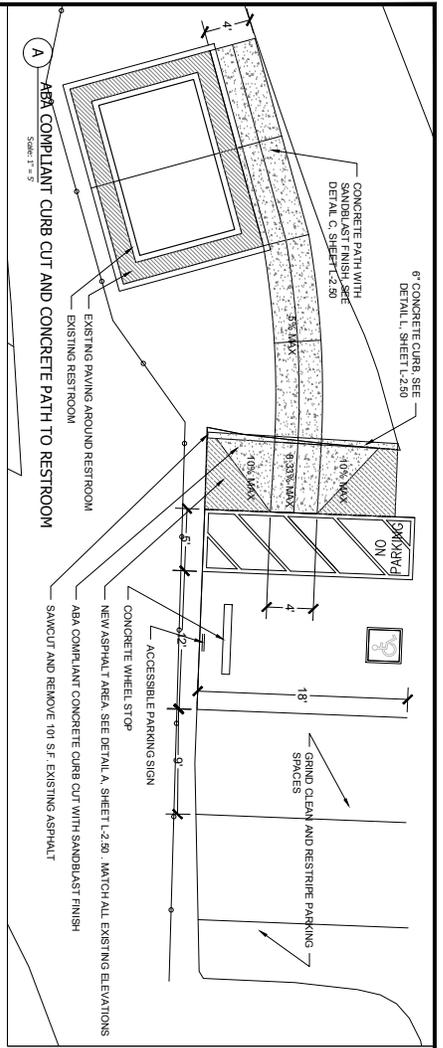
PROJECT TITLE
 SGC MAINTENANCE PROJECTS
 SAN GABRIEL CANYON

SHEET TITLE
 TRASH
 TRANSFER SITE

WATERSHED CONSERVATION AUTHORITY
 100 N OLD SAN GABRIEL CANYON ROAD
 AZUSA, CA 91702
 PHONE: (626) 815-1019

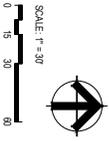
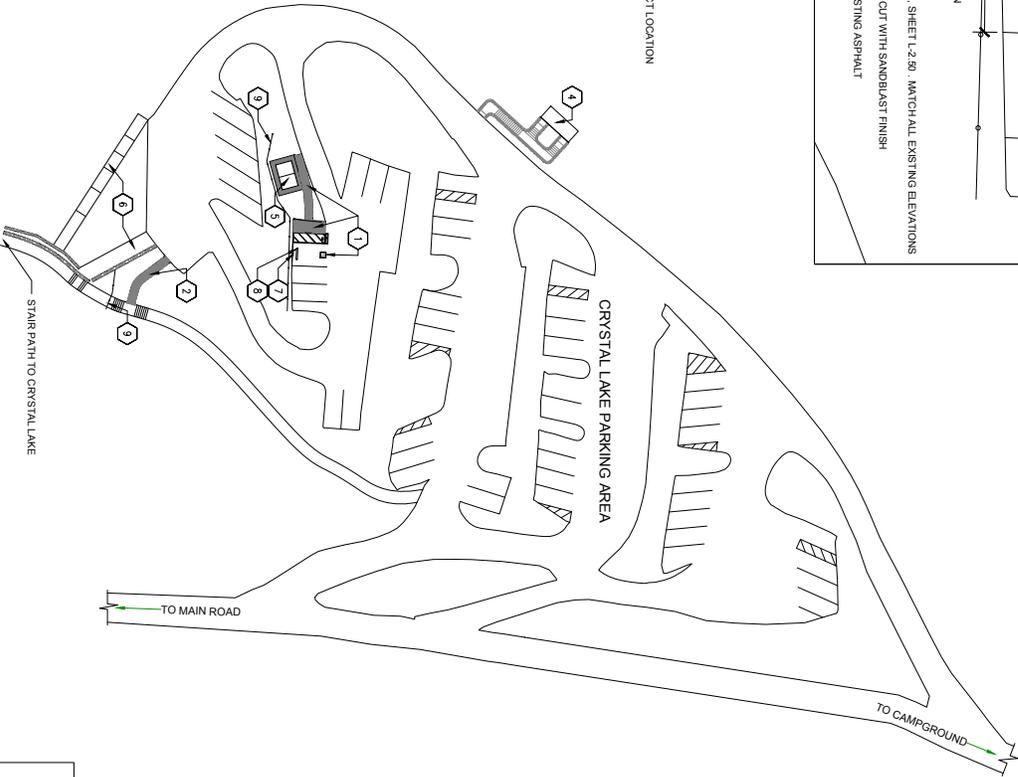
BlueGreen
 Open Space Planning & Design
 2616 NORTH FIGUEROA, SUITE A
 LOS ANGELES, CALIFORNIA 90065
 (323) 221-9500

REVISIONS	DATE



- CONSTRUCTION LEGEND**
- 1 ABA COMPLIANT PARKING CURB CUT AND CONCRETE PATH TO EXISTING RESTROOM SEE DETAIL A, SHEET L-2.05
 - 2 RESTRIPING PATH TO CRYSTAL LAKE STAIR TRAIL, COMPACTED NATURAL GROUND WITH ANGULAR STONE RSERS, EXACT LOCATION NOT USED
 - 3 FORMER RESTROOM SITE
 - 4 EXISTING RESTROOM
 - 5 EXISTING PARKING LANE
 - 6 EXISTING ASPHALT PAVING SIGN
 - 7 CONCRETE WHEEL STOP
 - 8 INSTALL STRAW WHITTLES FOR EROSION CONTROL PER SPECIFICATIONS

NOTE:
 EXACT LOCATION AND ALIGNMENT OF NEW IMPROVEMENTS TO BE DETERMINED IN FIELD WITH LANDSCAPE ARCHITECT.



DAL BEROBE YOUNG
 DAL BEROBE YOUNG ARCHITECTS
 100 N. GARDEN STREET, SUITE 200
 LOS ANGELES, CA 90012
 PHONE: (213) 413-1111
 FAX: (213) 413-1112
 WWW.DALBEROBEYOUNG.COM

DATE: APRIL 2020

PROJECT NO: SGC20

DESIGNED BY: LD

CHECKED BY: LD

SCALE: 1" = 30'

PROJECT TITLE: SGC MAINTENANCE PROJECTS
SAN GABRIEL CANYON

NO.	DATE	DESCRIPTION

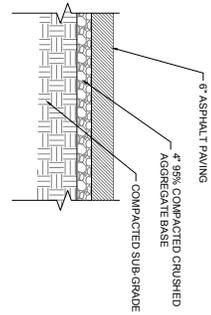
PROJECT TITLE
 SGC MAINTENANCE PROJECTS
 SAN GABRIEL CANYON

SHEET TITLE
 CRYSTAL LAKE PARKING AREA
 IMPROVEMENTS

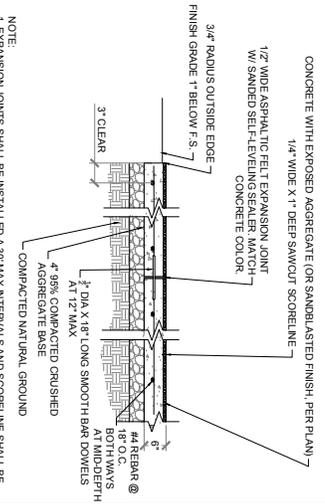
WATERSHED CONSERVATION AUTHORITY
 100 N OLD SAN GABRIEL CANYON ROAD
 AZUSA, CA 91702
 PHONE: (626) 815-1019

BlueGreen
 Open Space Planning & Design
 2616 NORTH FIGUEROA, SUITE A
 LOS ANGELES, CALIFORNIA 90065
 (323) 221-9500

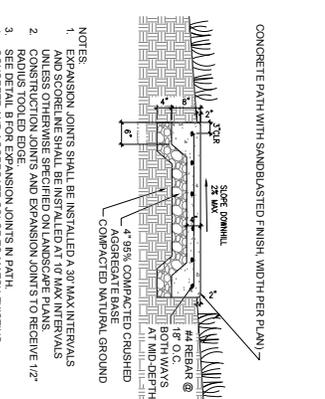
NO.	DATE	DESCRIPTION



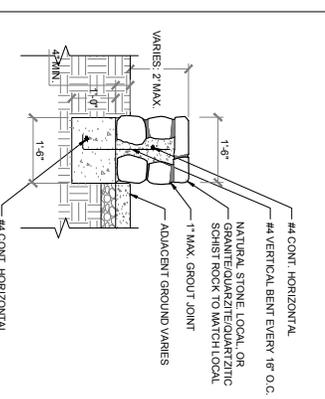
A ASPHALT PAVING
Scale: 3/4" = 1'



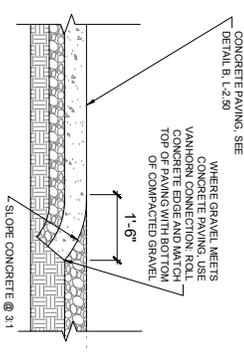
B CONCRETE PAVING
Scale: 3/4" = 1'



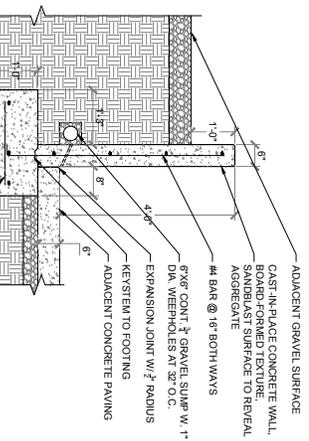
C CONCRETE PATH SECTION
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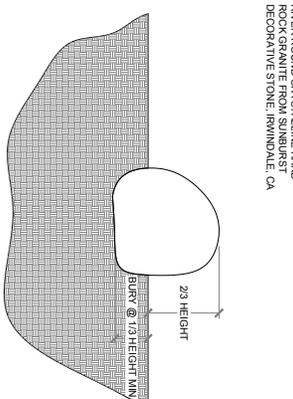
D ROCK MASONRY WALL
Scale: 3/4" = 1'



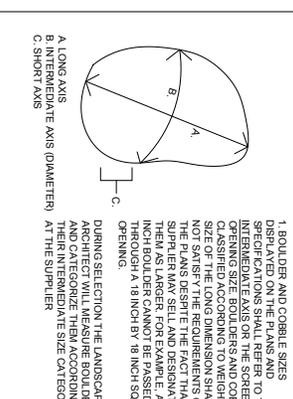
E VANHORN TRANSITION BETWEEN GRAVEL AND CONCRETE
Scale: 3/4" = 1'



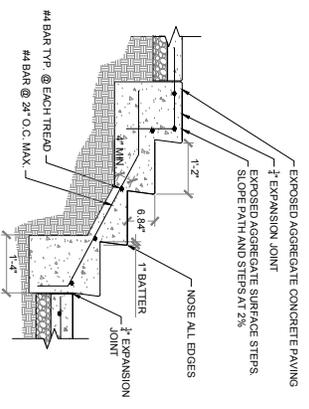
F BOARD-FORMED CONCRETE RETAINING WALL
Scale: 3/4" = 1'



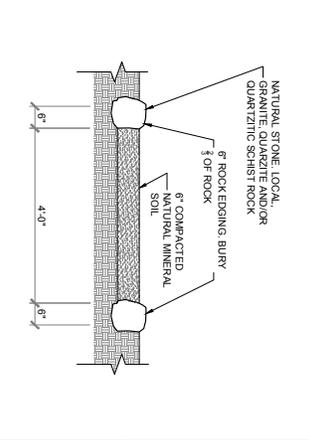
G BOULDER PLACEMENT DETAIL
Scale: 3/4" = 1'



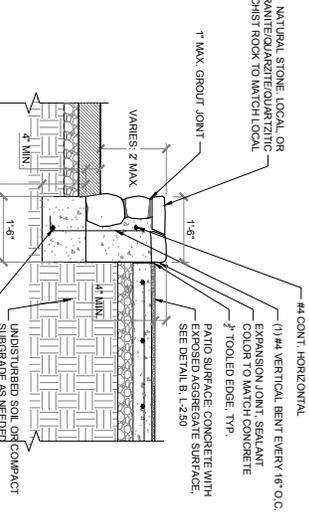
H BOULDER SIZING SPECIFICATIONS
Scale: 3/4" = 1'



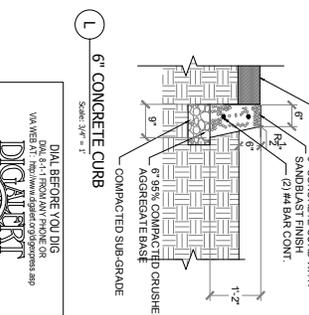
I CONCRETE STEPS
Scale: 3/4" = 1'



J NATURAL MINERAL SOIL PATH WITH ROCK BORDER
Scale: 3/4" = 1'



K SECTION A - A OF INTERPRETIVE PATIO
Scale: 3/4" = 1'



L 6" CONCRETE CURB
Scale: 3/4" = 1'

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SERVING SOUTHERN CALIFORNIA COUNTIES

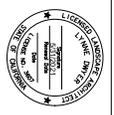
REVISIONS	DATE

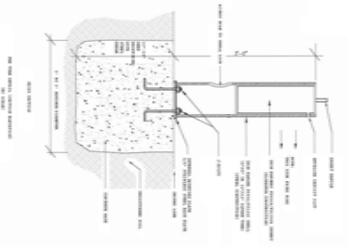
WATERSHED CONSERVATION AUTHORITY
100 N OLD SAN GABRIEL CANYON ROAD
AZUSA, CA 91701
PHONE: (626) 815-1019
BlueGreen
Open Space Planning & Design
2616 NORTH FIGUEROA, SUITE A
LOS ANGELES, CALIFORNIA 90065
(323) 221-9500

SHEET TITLE
CONSTRUCTION DETAILS

PROJECT TITLE
**SGC MAINTENANCE PROJECTS
SAN GABRIEL CANYON**

EXAMINER: [Signature]
CHECKED BY: [Signature]
PROJECT NO: [Number]
DATE: APRIL 2008
L-2.50



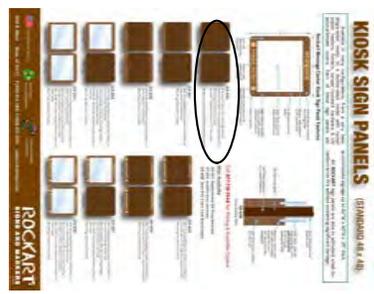
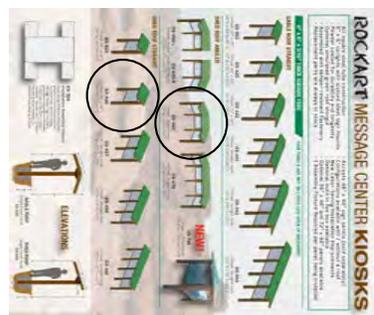


A IRON RANGER
SCALE: NTS

SIGN BASE: 3-PANEL ANGLED KIOSK
SHED ROOF: BROWN SHINGLES
MANUFACTURER: ROCKART
MODEL: CR-400
MATERIAL: POWDER COATED STEEL
SIGN BASE: 1-PANEL KIOSK, SHED
ROOF: BROWN SHINGLES
MANUFACTURER: ROCKART
MODEL: CR-448
MATERIAL: POLYETHYLENE
POWER COATED STEEL

PANEL: 48" X 48" X .75 BASIC KIOSK
SIGN PANEL: FACEBOARD ONLY (NOT
FULLY ENCLOSED)
MATERIAL: POLYETHYLENE
MODEL: CR-400
MATERIAL: POLYETHYLENE
NOTE:
PANEL BASE WITH 3 PIECE ALUMINUM
KIOSK ASSEMBLY (ITEM# 03-524)
RETURNED FOR CREDIT AFTER
INSTALLATION)

B ROCKART T-1-PANEL & 3-PANEL ANGLED KIOSK WITH BROWN SHINGLES
SCALE: NTS

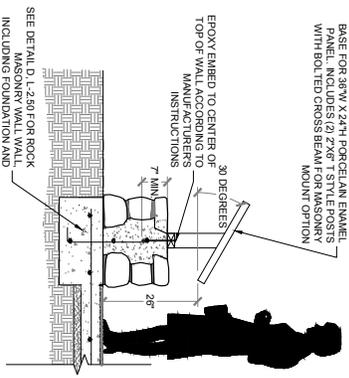


Beatsaver - IA Series Double Translating Enclosure, ADA
Compliant - HAZ-PX COLOR: FOREST BROWN



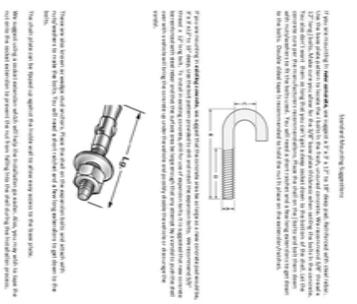
E BEAR PROOF BARRIER-FREE TRASH CAN
SCALE: NTS

PANNER GRAPHICS WEATHERING STEEL
LOW PROFILE MASONRY MOUNT EXHIBIT
BASE FOR 36" X 24" PORCELAIN EXHIBIT
WITH 80" TED CROSS BEAM FOR MASONRY
MOUNT OPTION



F PANNER INTERPRETIVE SIGN
SCALE: NTS

SEE DETAIL D-2 FOR ROCK
MASONRY WALL WALL
INCLUDING FOUNDATION AND
REINFORCEMENT

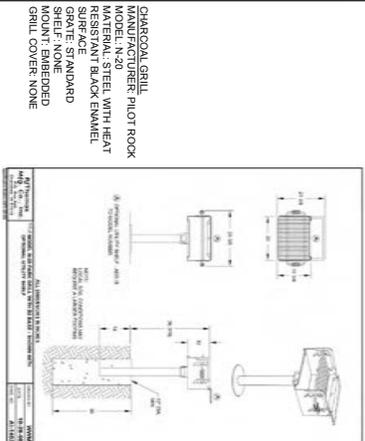


C 8-FOOT 3" REDWOOD PICNIC TABLE
SCALE: NTS

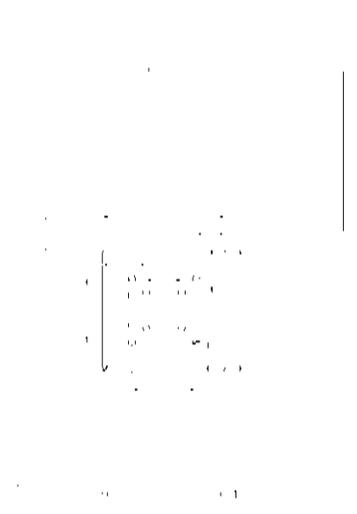


EIGHT FOOT 3" REDWOOD PICNIC TABLE
MANUFACTURER: SONOMA COUNTY PROBATION CAMP
ITEM: R02
MATERIAL: CON-HART REDWOOD
DIMENSIONS: 8' 3" WIDE X 58" H, 3" X 6" A-FRAME
WEIGHT: 350 LBS.
ADA: ADA COMPLIANT ON ENDS

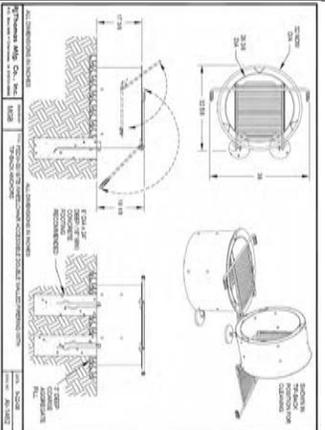
G PILOT ROCK N-20 CHARCOAL GRILL
SCALE: NTS



CHARCOAL GRILL
MANUFACTURER: PILOT ROCK
MODEL: N-20 STEEL WITH HEAT
RESISTANT BLACK ENAMEL
SURFACE
GRATE: STANDARD
SPEC: NON-EMERGED
GRILL COVER: NONE



D PILOT ROCK ADA FIRE RING
SCALE: NTS



D PILOT ROCK ADA FIRE RING
SCALE: NTS

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 UTILITIES AND SERVICE PROVIDERS
 TO AVOID ACCIDENTS AND
 DAMAGES TO YOURSELF AND
 OTHERS.
 SERVING SOUTHERN CALIFORNIA COUNTIES

REVISIONS	DATE

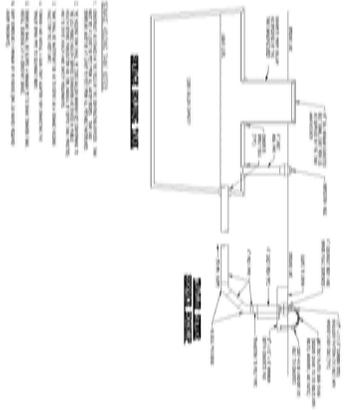
WATERSHED CONSERVATION AUTHORITY
 100 N OLD SAN GABRIEL CANYON ROAD
 AZUSA, CA 91702
 PHONE: (626) 815-1019

Blue Green
 Open Space Planning & Design
 2616 NORTH FIGUEROA, SUITE A
 LOS ANGELES, CALIFORNIA 90065
 (323) 221-9500

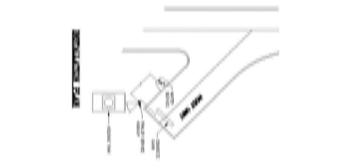
SHEET TITLE
**CONSTRUCTION
 DETAILS**

PROJECT TITLE
**SGC MAINTENANCE PROJECTS
 SAN GABRIEL CANYON**

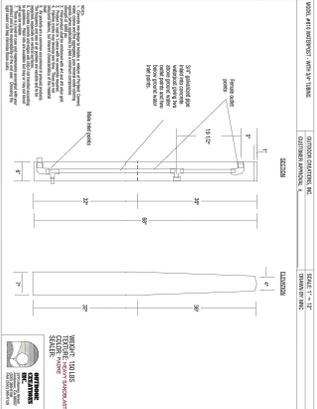
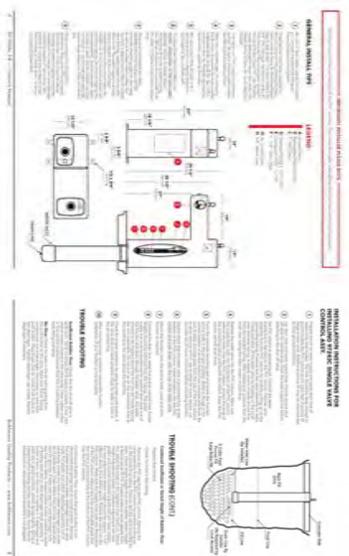
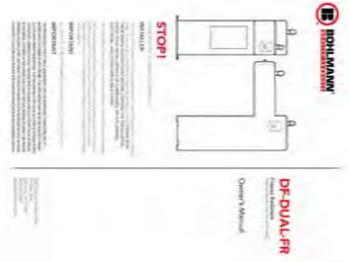
EXAMINER: L
 CHECKED BY: SCZD
 DATE: APRIL 2010
L-2.51



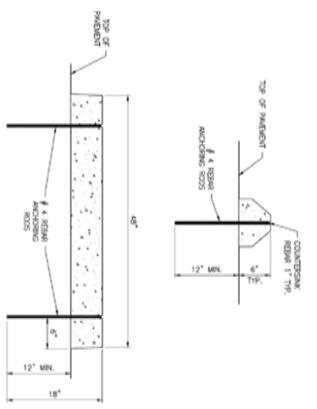
A SEWAGE HOLDING TANK
Scale: NTS



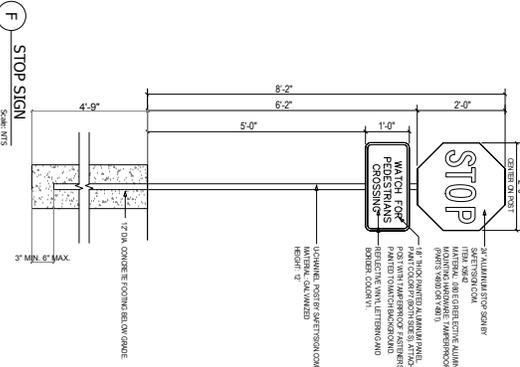
B DRINKING FOUNTAIN & SLUMP
Scale: NTS



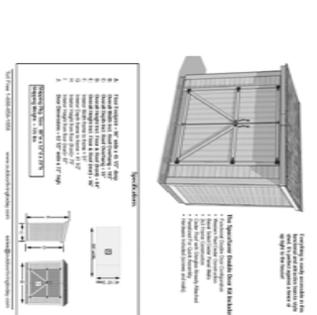
D OUTDOOR CREATIONS CONCRETE WATERPOST
Scale: NTS



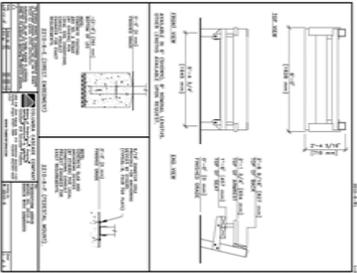
E 4' PRE-CAST REINFORCED WHEEL STOP
Scale: NTS



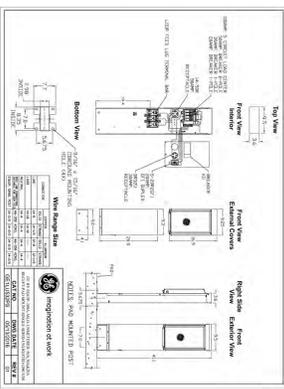
F STOP SIGN
Scale: NTS



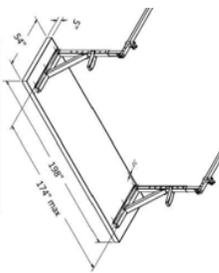
G CEDAR STORAGE SHED 4' X 8'
Scale: NTS



H WOOD BENCH WITH PEDESTAL MOUNT
Scale: NTS



C RV Pad Mount Pedestal with 50 Amp and 30 Amp RV Receptacles and 20 Amp GFI Receptacle
Scale: NTS



I ALCO STAND ALONE STORM TOP-COVER
Scale: NTS

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FOR YOUR AREA.

PROJECT TITLE	SGC MAINTENANCE PROJECTS SAN GABRIEL CANYON
SHEET TITLE	CONSTRUCTION DETAILS
DATE	APRIL 2003
SCALE	L-2.52

WATERSHED CONSERVATION AUTHORITY
100 N OLD SAN GABRIEL CANYON ROAD
AZUSA, CA 91702
PHONE: (626) 815-1019

BlueGreen
Open Space Planning & Design
2616 NORTH FIGUEROA, SUITE A
LOS ANGELES, CALIFORNIA 90065
(323) 221-9500

REVISIONS	DATE

Exhibit D: Updated Blue Green Consulting Scope of Work and Budget
4-Feb-20

REVISED BUDGET						
Project: Crystal Lake and San Gabriel Canyon WCA17516						
		Total Budget	Cost to Date	Revised Budget / Estimated Final Cost	Estimate to Complete	Budget Variance
		\$ 226,621.98				
CRYSTAL LAKE RECREATION AREA						
Task 1: Project Administration & Coordination						
1.1 KICKOFF	\$ 1,480.00	\$ 1,480.00	\$ 1,480.00	\$ -	\$ -	
1.2 PROJECT ADMINISTRATION & MEETINGS	\$ 8,140.00	\$ 8,117.50	\$ 8,117.50	\$ -	\$ (22.50)	
Task 2: Site Analysis and Field Reconnaissance						
2.1 EXISTING DATA REVIEW	\$ 1,750.00	\$ 1,785.00	\$ 1,785.00	\$ -	\$ 35.00	
2.2 TOPOGRAPHIC SURVEY BASE	\$ 5,800.00	\$ 5,802.50	\$ 5,802.50	\$ -	\$ 2.50	
2.3 ADDITIONAL SURVEY AND PHOTOGRAMMETRY	\$ 10,334.00	\$ 8,387.50	\$ 8,387.50	\$ -	\$ (1,946.50)	
2.4 HYDROLOGY, GEOMORPHOLOGY & DEBRIS FLOW ANALYSIS	\$ 12,600.00	\$ 1,110.00	\$ 1,110.00	\$ -	\$ (11,490.00)	
2.5 GEOTECHNICAL INVESTIGATION	\$ 17,500.00	\$ -	\$ -	\$ -	\$ (17,500.00)	
2.6 ROADWAY AND PAVEMENT ASSESSMENT	\$ 11,030.00	\$ 740.00	\$ 740.00	\$ -	\$ (10,290.00)	
2.7 TRAFFIC CIRCULATION AND ASSESSMENT	\$ 13,750.00	\$ 2,405.00	\$ 2,405.00	\$ -	\$ (11,345.00)	
2.8 FACILITY AND SITE AMENITY ASSESSMENT	\$ 7,680.00	\$ 7,665.00	\$ 7,665.00	\$ -	\$ (15.00)	
2.9 UTILITY AND INFRASTRUCTURE MAPPING	\$ 5,460.00	\$ 5,410.00	\$ 5,410.00	\$ -	\$ (50.00)	
2.10 LAKE IMPROVEMENT STUDY & LIMNOLOGICAL ASSESSMENT	\$ 27,600.00	\$ 39,220.00	\$ 39,220.00	\$ -	\$ 11,620.00	
2.11 CRYSTAL LAKE HABITAT ENHANCEMENT REPORT	\$ 9,900.00	\$ 4,162.50	\$ 4,162.50	\$ -	\$ (5,737.50)	
2.12 BIOLOGICAL RESOURCES ASSESSMENT	\$ 7,100.00	\$ -	\$ -	\$ -	\$ (7,100.00)	
2.13 CULTURAL RESOURCES STUDY	\$ 5,430.00	\$ -	\$ -	\$ -	\$ (5,430.00)	
2.14 CULTURAL RESOURCES SURVEY & REPORT	\$ 15,515.00	\$ -	\$ -	\$ -	\$ (15,515.00)	
2.15 EXISTING CONDITIONS REPORT	\$ 11,320.00	\$ 7,437.50	\$ 7,437.50	\$ -	\$ (3,882.50)	
Task 3: Public Outreach						
3.1 STAKEHOLDER ENGAGEMENT	\$ 2,960.00	\$ 2,947.50	\$ 2,947.50	\$ -	\$ (12.50)	
3.2 FIRST STAKEHOLDER WORKSHOP	\$ 5,480.00	\$ 5,480.00	\$ 5,480.00	\$ -	\$ -	
3.3 SECOND STAKEHOLDER WORKSHOP	\$ 3,300.00	\$ 1,620.00	\$ 1,620.00	\$ -	\$ (1,680.00)	
3.4 VISITOR SURVEY	\$ 18,250.00	\$ 18,250.00	\$ 18,250.00	\$ -	\$ -	
Task 4: Feasibility Analysis						
4.1 OPPORTUNITIES & CONSTRAINTS MATRIX	\$ 7,940.00	\$ 7,905.00	\$ 7,905.00	\$ -	\$ (35.00)	
Task 5: Site Programming and Concept Design						
5.1 THREE ALTERNATIVE DESIGN LAYOUTS	\$ 23,600.00	\$ 9,577.50	\$ 9,577.50	\$ -	\$ (14,022.50)	
5.2 FINAL PLAN & REPORTS	\$ 19,940.00	\$ -	\$ -	\$ -	\$ (19,940.00)	
SAN GABRIEL CANYON RECREATION PLAN						
Task 6: Project Administration & Coordination						
6.1 KICKOFF	\$ 1,480.00	\$ 1,480.00	\$ 1,480.00	\$ -	\$ -	
6.2 PROJECT ADMINISTRATION & MEETINGS	\$ 4,440.00	\$ 4,475.00	\$ 4,475.00	\$ -	\$ 35.00	
Task 7: Site Analysis and Field Reconnaissance						
7.1 EXISTING DATA REVIEW	\$ 1,750.00	\$ 1,717.50	\$ 1,717.50	\$ -	\$ (32.50)	
7.2 TOPOGRAPHIC SURVEY BASE	\$ 5,800.00	\$ 5,805.00	\$ 5,805.00	\$ -	\$ 5.00	
7.3 ADDITIONAL SURVEY AND/OR PHOTOGRAMMETRY	\$ 5,166.00	\$ -	\$ -	\$ -	\$ (5,166.00)	
7.4 RECREATIONAL RESOURCE ASSESSMENT	\$ 7,680.00	\$ 7,705.00	\$ 7,705.00	\$ -	\$ 25.00	
7.5 RIVER ACCESS ASSESSMENT	\$ 6,600.00	\$ 6,610.00	\$ 6,610.00	\$ -	\$ 10.00	
7.6 PARKING & VEHICLE ACCESS ASSESSMENT	\$ 6,600.00	\$ 6,645.00	\$ 6,645.00	\$ -	\$ 45.00	
7.7 EXISTING CONDITIONS REPORT	\$ 6,600.00	\$ 4,940.00	\$ 4,940.00	\$ -	\$ (1,660.00)	
Task 8: Public Outreach						
8.1 STAKEHOLDER ENGAGEMENT	\$ 1,480.00	\$ 1,465.00	\$ 1,465.00	\$ -	\$ (15.00)	
8.2 FIRST STAKEHOLDER WORKSHOP	\$ 6,200.00	\$ 6,222.50	\$ 6,222.50	\$ -	\$ 22.50	
8.3 SECOND STAKEHOLDER WORKSHOP	\$ 3,300.00	\$ -	\$ -	\$ -	\$ (3,300.00)	
8.4 VISITOR SURVEY (6 SURVEY DAYS)	\$ 18,250.00	\$ 18,250.00	\$ 18,250.00	\$ -	\$ -	
Task 9: Feasibility Analysis						
9.1 OPPORTUNITIES & CONSTRAINTS MATRIX	\$ 6,260.00	\$ 6,200.00	\$ 6,200.00	\$ -	\$ (60.00)	
Task 10: Site Programming and Concept Design						
10.1 THREE ALTERNATIVE DESIGN LAYOUTS	\$ 15,500.00	\$ 12,877.50	\$ 12,877.50	\$ -	\$ (2,622.50)	
10.2 FINAL PLAN & REPORTS	\$ 15,500.00	\$ -	\$ -	\$ -	\$ (15,500.00)	
Direct Cost (Phase 1)	\$ 16,740.00	\$ 2,926.98	\$ 2,926.98	\$ -	\$ (13,813.02)	
SAN GABRIEL CANYON MAINTENANCE PROJECT						
TASK 11: Camp Host Site - Coldbrook Campground						
11.1 SITE ANALYSIS OF PROPOSED HOST SITE	\$ -	\$ -	\$ 932.00	\$ 932.00	\$ 932.00	
11.2 INITIAL SITE LAYOUT	\$ -	\$ -	\$ 1,031.00	\$ 1,031.00	\$ 1,031.00	
11.3 SITE SURVEY	\$ -	\$ -	\$ 1,599.00	\$ 1,599.00	\$ 1,599.00	
11.4 FINAL SITE DESIGN	\$ -	\$ -	\$ 2,062.00	\$ 2,062.00	\$ 2,062.00	
11.5 CONSTRUCTION DETAILS & SPECIFICATIONS	\$ -	\$ -	\$ 2,388.00	\$ 2,388.00	\$ 2,388.00	
11.6 UTILITY PLAN	\$ -	\$ -	\$ 664.00	\$ 664.00	\$ 664.00	
11.7 COST ESTIMATE	\$ -	\$ -	\$ 664.00	\$ 664.00	\$ 664.00	
TASK 12: Camp Host Site - Crystal Lake Campground						
12.1 SITE ANALYSIS OF PROPOSED HOST SITE	\$ -	\$ -	\$ 932.00	\$ 932.00	\$ 932.00	
12.2 INITIAL SITE LAYOUT	\$ -	\$ -	\$ 1,031.00	\$ 1,031.00	\$ 1,031.00	
12.3 SITE SURVEY	\$ -	\$ -	\$ 1,599.00	\$ 1,599.00	\$ 1,599.00	
12.4 FINAL SITE DESIGN	\$ -	\$ -	\$ 2,062.00	\$ 2,062.00	\$ 2,062.00	
12.5 CONSTRUCTION DETAILS & SPECIFICATIONS	\$ -	\$ -	\$ 2,388.00	\$ 2,388.00	\$ 2,388.00	
12.6 UTILITY PLAN	\$ -	\$ -	\$ 664.00	\$ 664.00	\$ 664.00	
12.7 COST ESTIMATE	\$ -	\$ -	\$ 664.00	\$ 664.00	\$ 664.00	
TASK 13: Crystal Lake Visitor Center Facility and Landscape Improvements						
13.1 FACILITY IMPROVEMENT RECOMMENDATION	\$ -	\$ -	\$ 1,724.00	\$ 1,724.00	\$ 1,724.00	
13.2 SITE SURVEY	\$ -	\$ -	\$ 2,099.00	\$ 2,099.00	\$ 2,099.00	
13.4 INITIAL SITE LAYOUT	\$ -	\$ -	\$ 3,052.00	\$ 3,052.00	\$ 3,052.00	
13.5 FINAL SITE DESIGN	\$ -	\$ -	\$ 4,124.00	\$ 4,124.00	\$ 4,124.00	
13.6 CONSTRUCTION DETAILS & SPECIFICATIONS	\$ -	\$ -	\$ 4,520.00	\$ 4,520.00	\$ 4,520.00	
13.7 COST ESTIMATE	\$ -	\$ -	\$ 1,864.00	\$ 1,864.00	\$ 1,864.00	
TASK 14: Trash Transfer Facility						
14.1 FACILITY IMPROVEMENT RECOMMENDATION	\$ -	\$ -	\$ 1,992.00	\$ 1,992.00	\$ 1,992.00	
14.2 SITE SURVEY	\$ -	\$ -	\$ 3,099.00	\$ 3,099.00	\$ 3,099.00	
14.3 INITIAL SITE LAYOUT	\$ -	\$ -	\$ 3,588.00	\$ 3,588.00	\$ 3,588.00	
14.4 FINAL SITE DESIGN	\$ -	\$ -	\$ 4,124.00	\$ 4,124.00	\$ 4,124.00	
14.5 CONSTRUCTION DETAILS & SPECIFICATIONS	\$ -	\$ -	\$ 3,448.00	\$ 3,448.00	\$ 3,448.00	
14.6 COST ESTIMATE	\$ -	\$ -	\$ 1,864.00	\$ 1,864.00	\$ 1,864.00	
Task 15: Crystal Lake & Coldbrook Demolition & Maintenance						
15.1 CONSTRUCTION DETAILS & DIAGRAMS	\$ -	\$ -	\$ 4,520.00	\$ 4,520.00	\$ 4,520.00	
15.2 LOCATIONS MAPS, QUANTITIES & TAKEOFFS	\$ -	\$ -	\$ 3,728.00	\$ 3,728.00	\$ 3,728.00	
15.3 STANDARDS & SPECIFICATIONS	\$ -	\$ -	\$ 4,228.00	\$ 4,228.00	\$ 4,228.00	
Task 16: Project Management & Administration						
16.1 MEETINGS	\$ -	\$ -	\$ 4,752.00	\$ 4,752.00	\$ 4,752.00	
16.2 PROJECT MANAGEMENT	\$ -	\$ -	\$ 1,584.00	\$ 1,584.00	\$ 1,584.00	
16.3 PROJECT ADMINISTRATION & COORDINATION	\$ -	\$ -	\$ 3,168.00	\$ 3,168.00	\$ 3,168.00	
Task 17: Bid Assistance						
17.1 ASSIST IN BID PACKAGE SUBMITTAL	\$ -	\$ -	\$ 2,376.00	\$ 2,376.00	\$ 2,376.00	
17.2 PREPARE SCHEDULE OF VALUES	\$ -	\$ -	\$ 3,984.00	\$ 3,984.00	\$ 3,984.00	
Task 18: Construction Support						
18.1 SUBMITTALS, RFIS, CONSTRUCTION FIELD OBSERVATION	\$ -	\$ -	\$ 3,448.00	\$ 3,448.00	\$ 3,448.00	
18.2 FIELD SUPPORT, REVIEWS, FIELD MEETINGS	\$ -	\$ -	\$ 6,360.00	\$ 6,360.00	\$ 6,360.00	
18.3 PREPARE FINAL RECORD DRAWINGS	\$ -	\$ -	\$ 2,400.00	\$ 2,400.00	\$ 2,400.00	
Direct Cost/Expenses (Phase 2)	\$ -	\$ -	\$ 2,625.00	\$ 2,625.00	\$ 2,625.00	
Contingency	\$ -	\$ -	\$ 59,012.02	\$ 59,012.02	\$ 59,012.02	
Grand Total:	\$ 382,985.00	\$ 226,621.98	\$ 382,985.00	\$ 156,363.02	\$ -	

April 16, 2020 - Item 15

RESOLUTION 2020-13

RESOLUTION OF THE WATERSHED CONSERVATION AUTHORITY TO AUTHORIZE THE EXECUTIVE OFFICER AND/OR DESIGNEE TO AWARD 1) DEMOLITION CONTRACT; AND, 2) CONSTRUCTION CONTRACT FOR THE CRYSTAL LAKE RECREATION AREA.

WHEREAS, the Watershed Conservation Authority (WCA) has been established as a joint powers agency between the Rivers and Mountains Conservancy and the Los Angeles County Flood Control District; and

WHEREAS, the Watershed Conservation Authority (WCA) has further been established to focus on projects which will provide open space, habitat restoration, and watershed improvement projects in both the San Gabriel and Lower Los Angeles Rivers watershed; and

WHEREAS, this action authorizes the Executive Officer and/or designee to award 1) demolition contract; and, 2) construction contract for Crystal Lake and San Gabriel Canyon auxiliary and maintenance projects; and

WHEREAS, the proposed action is exempt from the provisions of the California Environmental Quality Act (CEQA); NOW

Therefore be it resolved that the WCA hereby:

1. **FINDS** that this action is consistent with the purposes and objectives of the WCA.
2. **FINDS** that the actions contemplated by this resolution are exempt from the environmental impact report requirements of the California Environmental Quality Act (CEQA).
3. **ADOPTS** the staff report dated April 16, 2020.
4. **AUTHORIZES** the Executive Officer and/or designee to negotiate 1) a demolition contract; and, 2) a construction contract for Crystal Lake and San Gabriel Canyon projects up to a not to exceed value of \$600,000.

~ End of Resolution ~

//

Motion: _____ Second: _____

Ayes: _____ Nays: _____ Abstentions: _____

Resolution 2020-13

Passed and Adopted by the Board of the
WATERSHED CONSERVATION AUTHORITY
On April 16, 2020

Herlinda Chico
Governing Board Chair

ATTEST: _____
David Edsall, Jr.
Deputy Attorney General