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E1.01 SITE LIGHTING CALCULATIONS

OPERATION:

Ducky's Express Car Wash will be a car wash business providing fast, efficient services to car wash customers at a very reasonable price. The Express Car Wash differs from a traditional "Full Service Car Wash" in that the customer is given the option of using the sites vacuum systems themselves versus paying the business for that portion of a traditional full serve car wash.

Our new car wash facility will utilize the newest in car wash technology. The process starts when a customer pulls onto our "Dual Belt Conveyor" system. Think of the conveyor as a moving carpet as opposed to the traditional steel rail conveyor. Below is a picture of such a Dual Belt Conveyor.





Lone Tree Way Cor. Country Hills Drive Antioch CA 94509

As you can see, the car rides through the car wash tunnel on a flush mounted, user-friendly belt system. This provides a much safer manner in which to move the car along the wash process both for the customer and the employees of the business.

After emerging from the tunnel, customers will have the option to utilize an array of free vacuums provided to the customer for their convenience. In addition to the vacuum system, each vacuum station will offer the customer an air nozzle for getting into the hard to reach area behind the vehicle side mirrors. clean towels and convenient garbage bins at each station. The end result is a vehicle washing experience that takes less than five minutes to deliver and results in a very CLEAN, SHINY AND DRY car.

Customers will also like the lower prices that come with the Express Exterior Car Wash process, with prices starting at about \$12.00 for a base wash. Customers will also have the option to join our "Monthly Unlimited Wash Club", where one can wash as many times as convenient in a 30 day period of time. The Ducks Unlimited Monthly Wash Plans start at \$24.99.

Our car wash will meet and exceed all standards for water conservation, and energy efficiency. This location will join our other Bay Area Car Wash locations as a Member of the Bay Area Green Business Coalition and we support and offer discounts to alternative energy vehicles.

The business will be open seven days a week from 8am to 6pm from March through October and from 8am to 5pm from November through February.



PROJECT NAME: DUCKY'S CAR WASH

PROJECT ADDRESS:

LONE TREE WAY & COUNTRY HILLS DRIVE, ANTIOCH CA 94509

APN:

APN: 055-071-113 IS PART OF THE ACCESS ROADWAY RELATED TO THE CAR WASH DEVELOPMENT ON PARCEL'S 055-071-1554 AND 055-071-114-7

PROJECT DESCRIPTION

NEW SINGLE STORY CAR WASH TUNNEL W/ OFFICE SPACE AND CUSTOMER LOUNGE & RESTROOMS. INCLUDES PARKING AREAS FOR EMPLOYEES AND CUSTOMERS W/ COVERED SELF SERVICE VACUUM STALLS.

THE CAR WASH PROJECT TO BE LOCATED AT THE CORNER OF LONE TREE WAY AND COUNTRY HILLS DRIVE BY DUCKY'S CAR WASH WILL BE A MODERN, CLEAN AND EFFICIENT CAR WASHING SOLUTION.

BUILDING DESIGN:

The car wash building is designed to have a modern, clean, and fresh look, with white and light grey neutral colors, and straight lines and edges. Design concept is a transition out of traditional look for car wash design, and provide something that will stands out with other structures around the commercial neighborhood. This will attract local and transient customers around the area. It will keep the business going and will be generating profit which will be in favor for both the business owner, the community, and the City of Antioch.

The building is designed with durable materials such as at the base which is a CMU ground face block walls wainscoting, and wall steelframed above it. Supported by metal stud framing are the main exterior finish materials called phenolic panels. These materials are easy to clean. It is extremely weather resistant, and does not melt with fire, extremely durable, and modern looking. Roofing material will be standing seam metal roof, in light bluish-grey neutral color that blends with the color of the walls, and the rest of the building materials used.

Diagonal windows and lines is introduced in the façade to create accent and interesting design feature of the building. Wood textured phenolic panels were also placed continuously from the end corner wall up to the roof, then tapering to the other end then down wall. Another design feature of the car wash that provided mass and accent to the design of the structure.

CONDITION:

ANY DEVELOPMENT ON THE ADJACENT PARCEL WILL NEED TO BE ARCHITECTURALLY COMPATIBLE WITH THE CAR WASH DESIGN.

PROPOSED OFF-SITE IMPROVEMENTS:

Scope of work for the proposed off-site improvements include the following:

- 1. Construction of decelaration lane (right-turn) to site.
- 2. Construction of new driveway.
- 3. Striping and Signage.
- 4. The above works requires right-of-way dedication to the City.

SITE DESIGN AND LANDSCAPE:

Enhanced landscaping is provided along all the perimeters at a low level height of less than 32 inches in height. This allows a view to the Car Wash and at the same time is used as buffer to minimize noise that is coming from car washing and vacuum equipment.

The site is designed to allow efficient traffic flow of incoming and outgoing vehicles. Cars that need to be serviced for car washing has been provided with access road on the perimeter of the lot so that cars will go around the property without interrupting the vehicles inside the lot that is serviced to operate the vacuum equipment.

MONUMENT SIGN:

The monument sign is composed of Lexan-polycarbonate faces and translucent vinyl graphics with aluminum frame and backlit with LED strip lights. The base is made out of Aluminum cladding with Tex coat finish painted SW"Cityscape" MA

GENERAL ABBREVIATIONS / LEGEND

		JP		SSCO	SANITARY SEWER CLEANOUT		
RFA	BACKFLOW PREVENTER	JT	JOINT TRENCH	SSMH	SANITARY SEWER MANHOLE	0	¢
CB	CATCH BASIN	I F	LINEAR FEET	SW	SIDEWALK	wv M	
CL	CENTERLINE	MW		Т	TELEPHONE LINE	10"	
DCV	DETECTOR CHECK VALVE			тс	TOP OF CURB		
DE	DIRT ELEVATION		OVERHEAD ELECTRIC	TH	TOP OF CONCRETE HEADER	X	
DWY	DRIVEWAY	OHI	OVERHEAD TELEPHONE	TODW			•
Е	ELECTRICAL LINE	PAE	PUBLIC ACCESS EASEMENT		TOP OF RETAINING WALL	\square	
EB	ELECTRIC BOX	PB	PULL BOX	IP TO	TELEPHONE POLE		
EP	EDGE OF PAVEMENT	PCC	PORTLAND CEMENT CONCRETE	IS	IRAFFIC SIGNAL	× _	
EX	EXISTING	PG&E	PACIFIC GAS & ELECTRIC	TSB	TRAFFIC SIGNAL BOX	0 _	
FDC	FIRE DEPARTMENT CONNECTION	PIV	POST INDICATOR VALVE	VG	VALLEY GUTTER	□ _	
FF		PUE	PUBLIC UTILITY EASEMENT	W	WATER PIPE	_	
		PVC	POLYVINYL CHLORIDE PIPE	WM	WATER METER		
		R		\bigcirc	MONITORING WELL		
FS	FINISHED SURFACE/FIRE SERVICES	PCD		vi vi درک	POWER POLE		
G	GAS PIPE					SD 🛄	E
GB	GRADE BREAK	RPP	REDUCED PRESSURE PRINCIPLE BACKFLOW	$\overline{\wedge}$	IRON PIPE		F
GM	GAS METER	SD	STORM DRAIN PIPE	<u> </u>	RAILROAD SPIKE	VVIVI L	-
GP	GUARD POST	SDCB	STORM DRAIN CATCH BASIN	۲	STANDARD CITY MONUMENT	0	E
GR	GRATE	SDCO	STORM DRAIN CLEANOUT	\bigcirc		~O~	F
HCR	HANDICAP RAMP	SDMH	STORM DRAIN MANHOLE		SURVET MONUMENT	÷ [→] _Y ∘	- -
		22	SANITARY SEWER PIPE	D	STORM DRAIN MANHOLE	S	E

SS SANITARY SEWER PIPE

APN 055-071-113 APN 055-071-114 APN 055-071-115

INV INVERT



SINGLE

HOUSES

RESIDENTIAL

PROJECT DATA

BASIS OF BEARING ALL BEARINGS ARE BASED ON THE CALIFORNIA COORDINATE SYSTE ZONE III, ESTABLISHED FROM THE EXISTING MONUMENTAL LINE OF LONE TREE WAY AS SHOWN ON CONTRA COSTA COUNTY PRECISE SECTION OF THE STREETS AND HIGHWAYS PLANS NO. 6971 FILED I BOOK 5708 OF OFFICIAL RECORDS, AT PAGE 456, BEARING SHOWN AS SOUTH 73° 10' 52" EAST. FOR GROUND DISTANCES, MULTIPLY EXPRESSED DISTANCES BY 1.00007.

BENCHMARK:

BM IS CCCO.#3061 ELEVATION= 150.131'. IS EBMUD DISK SET IN EAST SIDE OF CONCRETE M.H. OVER THE NORTHERN EBMUD AQUADUCT 75'+- NORTH OF LONE TREE WAY 325'+- WEST OF LONE TREE WAY. DISK STAMPED (P185+26.97 P185+62.80 ELEV. 149.871).

UTILITY NOTES

1. ALL UTILITIES SHOWN HEREON ARE BASED ON USA MARKINGS IN THE FIELD, FIELD APPURTENANCES, AND MAPS THAT WERE OBTAINED FROM THE LOCAL AGENCIES.

2. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES, PIPE SIZES AND/OR STRUCTURES SHOWN ON THIS SURVEY WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE CONTRACTOR SHALL ASCERTAIN THE TRUE LOCATION OF ANY UNDERGROUND UTILITIES AND SHALL BE RESPONSIBLE FOR DAMAGE TO ANY PUBLIC OR PRIVATE UTILITIES, SHOWN OR NOT SHOWN HEREON.

HORIZONTAL CONTROL PLAN 05-1930 C-2.1

DUCKY'S CAR WASH **Richard Miller** Lone Tree Way cor. Country Hills Drive Antioch, Contra Costa County, California

N68° 28' 41.43"W_

March 23, 2020



EXISTING STORM DRAIN CATCH BASIN

EXISTING FIRE HYDRANT

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	GV
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EXISTING WATER VALVE EXISTING GAS VALVE EXISTING CONTOUR

PROPOSED CONTOUR

PROPOSED BIOSWALE CURB

6"W
2"G
8"SS
SD
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TEL
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YGNACIO VALLEY ROAD SUITE 220 WALNUT CREEK, CA 94596 925-943-2777 FAX 925-943-2778

associates, inc. PLANNING ENGINEERING SURVEYING



Antioch, Contra Costa County, California



STORM DRAIN NOTES

- (1) INSTALL 36 LF 18" STORM DRAIN PIPE @ S=0.007
- (2) INSTALL 308 LF 18" STORM DRAIN PIPE @ S=0.005
- (3) INSTALL 207 LF 18" STORM DRAIN PIPE @ S=0.003
- (4) INSTALL 121 LF 12" STORM DRAIN PIPE @ S=0.005
- 5 INSTALL 27 LF 6" PERFORATED PIPE
- (6) INSTALL 110 LF 6" PERFORATED PIPE
- (7) INSTALL 52 LF 12" PVC PIPE @ S=0.020
- (8) INSTALL 226 LF 8" PVC PIPE @ S=0.005
- 9 INSTALL 48 LF 8" PVC PIPE @ S=0.010
- (1) INSTALL 13 LF 6" PERFORATED PIPE
- (1) INSTALL 14 LF 6" PERFORATED PIPE
- (1) INSTALL 32 LF 6" PERFORATED PIPE
- 13 EXISTING 16 LF 10" STORM DRAIN PIPE @ S=0.005
- THE REMOVE THE EXISTING STORMDRAIN PIPE

SANITARY SEWER NOTES

$\langle 1 \rangle$	INSTALL	79	LF	4"	SANITARY	S
$\langle 2 \rangle$	INSTALL	97	LF	4"	SANITARY	S
3	INSTALL	24	LF	6"	SANITARY	S
$\langle 4 \rangle$	INSTALL	86	LF	8"	SANITARY	SI
(5)	INSTALL	50	LF	8"	SANITARY	SI





05-1930

Richard Miller

SEWER PVC PIPE @ S=0.0202 SEWER PVC PIPE @ S=0.0179 SEWER PIPE @ S=0.0100 SEWER VCP PIPE @ S=0.0380 SEWER VCP PIPE @ S=0.0080

WATER NOTES

- 1 INSTALL 2" WATER METER WITH 2" BACKFLOW PREVENTER
- 2 INSTALL 1" WATER METER WITH 2" BACKFLOW PREVENTER
- 3 INSTALL FIRE HYDRANT
- 4 INSTALL DOUBLE DETECTOR CHECK VALVE
- 5 INSTALL WATER VALVE
- 6 INSTALL FIRE DEPARTMENT CONNECTION
- Z EXISTING FIRE HYDRANT TO REMAIN







DUCKY'S CAR WASH

Lone Tree Way cor. Country Hills Drive Antioch, Contra Costa County, California





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SINGLE RESIDENTIAL HOUSES

Project Name: Ducky's Carwash Project Type: Treatment Only Location: Lone Tree Way/Country hills Drive, Antioch, Contra Costa, California APN: Drainage Area: 63305 sf Mean Annual Precipitation: 13.28 in IV. Areas Draining to IMPs IMP Name: IMP1 (Soil Type: D) IMP Type: Bioretention Facility Soil Type: D Post-Project Surface Type DMA Area Runoff x DMA Name DMA Area (sq ft) Factor Runoff Factor DMA 1A 8,916 Concrete or Asphalt 1.00 8,916 DMA 1B 505 Landscape 0.10 51 Sizing 8,967 Factor Total Area 0.04 IMP Name: IMP2 (Soil Type: D) IMP Type: Bioretention Facility Soil Type: D Post-Project Surface Type DMA Name DMA Area (sq ft) DMA Area Runoff x Factor Runoff Factor DMA 2A 24,550 Concrete or Asphalt 1.00 24,550 DMA 2A 24,550 Concrete or Asphalt 1.00 24,550 DMA 2B 6,615 Conventional Roof 1.00 6,615 DMA 2C 19,949 Landscape 0.10 1,995 Total 33,160 **Area** 0.040 1.000 Software Tool Warnings



Report generated on 10/15/2019 12:00:00 AM by the Contra Costa Clean Water Program IMP Sizing Tool software (version 1.3.1.0).





SDCB #4

Lone Tree Way cor. Country Hills Drive Antioch, Contra Costa County, California





LEGEND



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DRAINAGE MANAGEMENT AREA

INTEGRATED MANAGEMENT PRACTICE DRAINAGE AREA

DRAINAGE ARROW

BIO-RETENTION AREA

IMPERVIOUS AREA

PREVIOUS AREA

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IRRIGATION PLAN L-1 APRIL 10, 2020

DUCKY'S CAR WASH Richard Miller Lone Tree Way cor. Country Hills Drive







IRRIGATION NOTES

THE IRRIGATION SYSTEM IS DESIGNED FOR 20 GPM WITH A MINIMUM OPERATING PRESSURE OF 40 PSI.

The Irrigation Contractor shall verify water pressure prior to construction. Report any difference between the water pressure indicated on the drawings and the actual pressure reading at the irrigation point of connection to the Owner's authorized representative.

This design is diagrammatic. All piping, valves, etc. shown within paved areas is for design clarification only and shall be installed in planting areas where possible. Avoid any conflicts between the irrigation system, planting and architectural features.

Do not willfully install the irrigation system as shown on the drawings when it is obvious in the field that obstructions, grade differences or differences in the area dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the Landscape Architect. The Contractor shall assume full responsibility for any revisions necessary.

It is the responsibility of the Irrigation Contractor to familiarize himself with all grade differences, location of walls, retaining walls, etc. He shall coordinate his work with the General Contractor and other Subcontractors for the location and the installation of pipe sleeves through walls, under roadways, paving, structures, etc.

Due to the scale of the drawings, it is not possible to indicate all offsets, fittings, sleeves, etc., which may be required. The Contractor shall carefully investigate the structural and finished conditions affecting all of his work and plan his work accordingly, furnishing such fittings, etc., as may be required to meet such conditions. Drawings are generally diagrammatic and indicative of the work to be installed. The work shall be installed in such a manner as to avoid conflicts between irrigation systems, planting, and architectural

Each controller shall have its own independent ground wire.

- Valve locations shown are diagrammatic. Install in planting areas where possible.
- All valve control wires shall be a minimum No. 14 AWG copper UL approved for direct burial in ground. Size wiring per controller and valve manufacturer's recommendations. Connect wires as detailed per manufacturer's specifications.
- Splicing of 24 volt wires will not be permitted except in valve boxes. Leave a 24" coil of excess wire at each splice and 100 feet of center along wire run. Tape wire in bundles 10 feet on center. No taping permitted inside sleeves.
- 10. Install a spare control wire of a different color along the entire main line. Loop 36" excess wire into each single valve box and into one valve box in each group of valves.
- When SPRAY SPRINKLERS are used in the project:
 A. The Contractor shall flush and adjust all sprinkler heads for
- The Contractor shall flush and adjust all sprinkler heads for optimum performance and to prevent over spray onto walks,
- roadways and /or buildings as much as possible. This shall include 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 and to prevent misting for each system.
- The Contractor shall ensure sprinkler heads are set perpendicular to finish grade of the area to be irrigated unless otherwise designated on the plans.
- C. The Contractor shall install a Rain Bird SAM pop-up body (integral

check valve) or a King Bros. CV series check valve on shrub risers in lieu of Schedule 80 coupling at locations where low head drainage will cause erosion and excess water use.

- D. The Contractor shall make field adjustments to the system at locations of vertical obstructions (street lights, trees, fire hydrants, etc.) that interfere with the spray pattern of sprinkler heads so as to prevent proper coverage. Adjustments shall be made by installing a quarter, third or half circle head at the sides of the obstruction so as to provide proper coverage. The contractor shall not use variable arc nozzles. All adjustments shall be made at no additional cost to the owner.
- E. In planting areas 4'-0" wide and narrower, and in all lawn areas, 6" pop-up bodies shall be used. In all other spray zones use 12" pop-up bodies. Bubblers are to be installed on Sch. 80 risers.
- 12. When DRIPLINE is used in the project:
- A. The Contractor shall install as indicated on the drawings.
- B. Use only Teflon tape on all threaded locations.C. Dripline can be installed with the emitters facing up, down or
- sideways.D. Cap or plug all openings as lines have been installed to prevent intrusion of materials that would obstruct the pipe and leave in place
- until removal is necessary for completion of installation. E. Thoroughly flush all water lines before installing Air Relief Valves.
- 13. Notify Architect of any aspects of layout which will provide incomplete or insufficient water coverage of plant material and do not proceed until his instructions are obtained.
- 14. In addition to the sleeves and conduits shown on the drawings, the Irrigation Contractor shall be responsible for the installation of sleeves and conduits of sufficient size under all paved areas.
- 15. All lateral piping beneath paved areas shall be Schedule 40 PVC pipe.
- 16. Where it is necessary to excavate adjacent to existing trees, the Contractor shall use all possible care to avoid injury to trees, and tree roots. Excavation in areas where two (2) inch and larger roots occur shall be done by hand. Roots two (2) inches and larger in diameter shall be wrapped in a plastic bag and secured with a rubber band. Trenches adjacent to tree should be closed within twenty-four (24) hours; where this is not possible, the side of the trench adjacent to the tree shall be kept shaded with burlap or canvas.
- 17. Install valve boxes 12" from and perpendicular to walk, curb, lawn, building or landscape feature. At multiple valve box groups, each box shall be an equal distance from the walk, curb, lawn, etc. and each box shall be 12" apart. Short side of valve box shall be parallel to walk, curb, lawn, etc.
- 18. All wire connections to be made in valve box with water tight connectors per manufacturers directions. Wire splices shall not be permitted unless approved by the Owners Representative or the Landscape Architect. Wire splice locations must be indicated on "As-Builts" per the Specifications.
- 19. Irrigation Contractor to notify all local jurisdictions for inspection and testing of installed back flow prevention device.
- 20. Prior to trenching, call Underground Service Alert, (1-800) 227-2600.
- 21. Remote Control Legend: attach a laminated, typewritten legend inside each controller door stating the areas covered by each remote control valve. Valves, or adjacent piping in the valve box are to be labeled with an indelible marker with the appropriate number corresponding to the controller legend for easy identification.

PIPE SIZING LEGEND

//	SYMBOL	DESCRIPTION	MODEL NO.	G.P.M.
	//	- Main Line	SCH 40 PVC 1.5" size unless otherwise noted	
	// /	- Lateral Line	3/4" SCH 40 PVC Pipe	0 - 8 GPM
	/ /	– Lateral Line	1" SCH 40 PVC Pipe	8 - 12
	′ / -	– Lateral Line	1-1/4" SCH 40 PVC Pipe	12 - 22
	+++/	– Lateral Line	1-1/2" SCH 40 PVC Pipe	22 - 30
	++ /	– Lateral Line	2" SCH 40 PVC Pipe	30 - 50
	│	– Lateral Line	2-1/2" SCH 40 PVC Pipe	50 - 75
	│ <u>────────────────────────────────────</u>	– Lateral Line	3" SCH 40 PVC Pipe	75 - 110
Valve No.11 Valve Size 1 5,00 GPM 10 Heads RWS-1402 sting sleeving ntractor to confirm	Valve No.10 Valve Size 1" 5.57 GPM 1255 SF 18" Spacing 18-0.6		DROZONE II DZONE II II TREES	

THE OFFICE OF JEFFREY F. GAMBONI LANDSCAPE ARCHITECT 2702 3012 PACIFIC AVENUE STOCKTON 95204 209 948 8335



PLANTING PLAN L-2 APRIL 10, 2020

DUCKY'S CAR WASH **Richard Miller** Lone Tree Way cor. Country Hills Drive







actual on-site conditions occurs, the ndscape Architect immediately, before e form and condition by Landscape eplaced by the Landscape Contractor at no	imported topsoil. Provide test results with submittals. For purposes of bidding, the following amendments will be used (per 1000 sq. ft.): -4 yds. Nitrolized or redwood or fir bark compost -200 lbs Gro-Power Plus -40 lbs gypsum
hall be tagged with the name of the plant in e recommended by the American Association ames shall take precedence over common	Rototill amendments to a depth of 6" in two directions. Finish grade of turf areas to be one (1) inch below edge of paving. Finish grade of planting areas to be (2) two inches below edge of paving. Water soil thoroughly before planting.
vatered and protected from excessive wind, il planted.	13. All pots shall be planted with soil-less mixes that drain well, such as Miracle-Gro Moisture Control Potting Mix. The mix shall contain no bark, bark products, peat or peat products. Drain holes shall be covered with screen, landscape cloth or similar material to prevent the mix from washing out.
east two working days prior to estimated cceptable time can be scheduled for final ed in approximate locations shown on plans of Landscape Architect. Final adjustments Architect	14. All plants shall be set at such a level that after settling they bear the same relationship to the surrounding finish grade as they bore to the soil line grade in the container, unless otherwise noted.
ht to make deletions, additions or h adjustments in the contract as appropriate	15. It shall be the Landscape Contractor's responsibility to provide adequate drainage of all plantings, sufficient to insure healthy growth.
edures, soil must be inspected for the	16. All shrubs and trees to have Agri-form or equal 21 gram plant-tabs (20-10-5). Agriform plant tablets to be placed immediately adjacent to root ball at a depth which is between the middle and the bottom of the root ball when backfill is no higher than
r 1" diameter and pockets of road base, emoved and planting areas slope toward	halfway up the root ball. Rate of application shall be: 1 gallon container: 1 tablet 5 gallon container: 3 tablets
corporated into the soil per the soils test. om all planting areas and pernicious weeds cides or approved equal.	15 gallon container:7 tablets24 inch box:15 tabletsFor larger sizesFor each 12 - 18 inches of plant height or spread, or for
are to be removed completely below planting lying top soil as necessary for all planting	each $\frac{1}{2}$ inch of tree trunk diameter use: 1 tablet for slow growing plants 2 tablets for fast growing plants
responsible for 5% surface drainage away of five feet (5') and 2% minimum positive	17. Cover all planting areas excluding lawn with a 3" depth of approved mulch after final shaping of saucers and dress off neatly. Hold mulch 1" away from base of plant.
as except where shown. propriate pre-emergent herbicide at rates	18. Deciduous and broad-leaved evergreen trees are to be staked per detail. All conifers, boxed specimens and multi-trunk trees are to be guyed per detail only where required to maintain vertical growth and withstand wind.
cover and shrub areas. All pre-emergent perators under favorable weather conditions. roved by the Landscape Architect prior to	19. The Landscape Contractor shall maintain the entire landscaped area of this contract for a minimum of sixty (60) days commencing after acceptance by the Landscape Architect.
	20. After planting has been approved by Landscape Architect, all plant tags are to be removed.
	21. All plants 15 gallon size and over shall be guaranteed for a period of one year and all other plants shall be guaranteed for a period of 6 months after the end of the maintenance period provided that normal care has been provided.
mia, gardenia, fuschia, or other acid loving naking a raised planting bed 6" above of 3 lbs. Nitrogen per 1000 SF of planter	22. Contractor to install linear root barrier at all locations where trees are less than twelve (12) feet from curb, walkway, wall or building areas prior to plant installation.
s with top of root ball slightly above soil	23. An automatic irrigation system is to be provided to water all planting areas. Landscape Contractor is to provide adequate coverage for all indicated planting areas prior to plant installation
ed (or hand cultivated under existing trees) to oots. Compost at a minimum rate of 4 CY oporated to a depth of six inches into the soil. ble for obtaining a soils test and providing e test results for the existing site soil and for	24. Call Underground Service Alert at (800) 227-2600 prior to excavation.

THE OFFICE OF JEFFREY F. GAMBONI LANDSCAPE ARCHITECT 2702 3012 PACIFIC AVENUE STOCKTON 95204 209 948 8335

-ARBOR TIE SECURE ARBOR TIE TO ARBOR TIE STAKE WITH 1" GALVANIZED NAIL. KNOT ENDS OF TIE. ³/₄" WIDE ARBOR TIE. MANUFACTURED BY DEEPROOT. COLOR - GREEN. SEE NOTE ABOVE. TREE STAKE: P.T. LODGEPOLE PINE. 2 10'-0" FOR 15 GAL. AND 24" BOX TREES. DO NOT STAKE CONIFERS. 1 x 4 BRACE SCREWED IN PLACE. OFFSET EQ. EQ. STAKES TO KEEP AWAY FROM TRUNK TRUNK GUARD FOR TREES IN LAWN. - MULCH: 3" LAYER. HOLD 1" AWAY FROM TRUNK – 4" HIGH SAUCER RIM. - FINISH GRADE. KEEP ROOT CROWN 1" ABOVE FINISH GRADE. PREPARED BACKFILL (SEE PLANTING NOTES). PLANT TABS (SEE PLANTING NOTES). SCARIFY 1/2 DEPTH OF ROOT BALL $\frac{1}{2}$ AND COMPACT FIRMLY. PLACE NO ORGANIC AMENDMENTS IN THIS ZONE. DRAINAGE CHIMNEY 6" DIAM X 3'-0" 6" DEEP. BACKFILL WITH DRAIN ROCK. -** **SECTION** NOTE: WRAP TREE TRUNKS WITH CRINKLE 2x PAPER TREE WRAP UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT. LEONARD CRINKLED PAPER AVAILABLE FROM TREE PLANTING A.M. LEONARD (800) 543-8955 www.amleo.com NO SCALE MULCH - 3" LAYER. HOLD 1" AWAY FROM TRUNK – 4" HIGH SAUCER RIM FINISH GRADE, KEEP ROOT CROWN 1/2" ABOVE GRADE. PREPARED BACKFILL (SEE PLANTING NOTES) PLANT TABS (SEE PLANTING NOTES) SCARIFY 1/2 DEPTH OF ROOT BALL AND COMPACT FIRMLY. PLACE NO ORGANIC AMENDMENTS IN THIS ZONE. 2 y SHRUB PLANTING NO SCALE NOTES: 1. ROOT BARRIER TO BE INSTALLED AT LOCATIONS WHERE - FINISH GRADE TREES ARE 12' OR LESS FROM CURB, SIDEWALK - CURB, SIDEWALK OR OR WALL. INSTALL AT WALL-CONDITIONS VARY WALL LOCATIONS SEE LAYOUT UNLESS WALL HAS A 24" DEEP CONTINUOUS FOOTING. - 10' X 24" LINEAR ROOT BARRIER: DEEP ROOT 2. SEE TREE PLANTING DETAIL FOR UB24 OR APPROVED ADDITIONAL EQUAL. INFORMATION. ROOT BARRIER DETAIL 12 NO SCALE

DETAILS DTL-1 April 10, 2020

DUCKY'S CAR WASH **Richard Miller** Lone Tree Way cor. Country Hills Drive

FINISH GRADE -- - - - - $-\oplus$ \oplus - GROUNDCOVER CENTERS $-\oplus$ ← EDGE OF LAWN, WALK, FENCE, CURB, ETC. O.C. TYPICAL DIRECT BURIAL LOW VOLTAGE **GROUND COVER SPACING** CONTROL WIRES NO SCALE 1. TRENCHING AND BACKFILLING SHALL BE PER STANDARD - QUICK COUPLING VALVE SPECIFICATIONS. 2 MINIMUM BACKFILL RELATIVE COMPACTION SHALL BE 90%. - ROUND BOLT DOWN PLASTIC 3. BUNDLE CONTROL WIRES TOGETHER AND TAPE TO PIPE AT VALVE BOX 10' INTERVALS. 30" #4 REBAR STAKE W/ 2 -STAINLESS STEEL PIPE CLAMPS (ONE AROUND QCV.) IRRIGATION LINE TRENCHING 4 - 3/4" x 6" SCHEDULE WALK, CURB~ OR HÉADER NO SCALE 80 PVC NIPPLE - 3/4" x 6" SCHEDULE 80 PVC NIPPLE COILED - BRICK-2 TOTAL — ID TAG PEA GRAVEL 4" DEEP-(NO SOIL IN BOX) - FINISH GRADE QUICK COUPLER - RAIN BIRD PEB NO SCALE — PVC SCH ELL REQUIRED) FINISH GRADE -- BRICK (1 OF 4) CARSON VALVE BOX WITH T-COVER C II J – PVC MAINLINE PIPE - PVC SCH 40 TEE OR ELL +12" PVC PIPE - PVC LATERAL PIPE + PEA GRAVEL 4" DEEP NO SOIL IN BOX RAIN BIRD REMOTE CONTROL VALVE 5 BRICK 3 MIN. NO SCALE - SCH 40 PVC MAINLINE (1)RAIN BIRD PEB SERIES MASTER VALVE(S) - PVC MALE ADAPTER 2 BALL VALVE 8 NO SCALE (3) 3.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL (4) BRICK (1 OF 4) 5 VALVE BOX WITH COVER - 12-INCH SIZE 6 FINISH GRADE (7) RAIN BIRD FS SERIES 100B FLOW SENSOR. (10) SEE LEGEND. (8)CONTROLLER ASSEMBLY. LEAVE EXTRA 36-INCH LENGTH, COILED. 20°50, 600, 200, 600, 600, 600 FLOW — 9 DIAGRAM. (4)(3)5X (10) CONCENTRIC REDUCER. 10X DIAMETER — DIAMETER —**—** OF PIPE OF PIPE MASTER VALVE/FLOW SENSOR 9 NO SCALE





THE OFFICE OF JEFFREY F. GAMBONI LANDSCAPE ARCHITECT 2702 3012 PACIFIC AVENUE STOCKTON 95204 209 948 8335

DETAILS DTL-2 April 10, 2020 DUCKY'S CAR WASH Richard Miller Lone Tree Way cor. Country Hills Drive











THE OFFICE OF JEFFREY F. GAMBONI LANDSCAPE ARCHITECT 2702 3012 PACIFIC AVENUE STOCKTON 95204 209 948 8335

LDA Partners

DESIGNERS & ARCHITECTS

SITE PLAN A-1 04/10/2020









Lone Tree Way Cor. Country Hills Drive Antioch CA 94509





04/10/2020

Lone Tree Way Cor. Country Hills Drive Antioch CA94509



—SINGLE PLY ROOFING MEMBRANE, TYP.







04/10/2020

Richard Miller

Lone Tree Way Cor. Country Hills Drive Antioch CA94509





- <u>T.O. HIGH ROOF</u> 27' 0"
- <u>T.O.</u> L<u>OW ROOF</u> 17' 0"
- T.O. STOREFRONT MINDOWS 9' - 0" 10
 - F.F. 0"

- 1 CMU GROUND FACE BASALITE COLOR : 490
- **6 PHENOLIC WALL PANELS** ABET LAMINATI - MEG COLOR : 480-GRIGIO PLOMO

8 - PHENOLIC WALL PANELS ABET LAMINATI - MEG COLOR : 749-BAMBOO GOLD



LDA Partners **DESIGNERS & ARCHITECTS**

KEYNOTES

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10

11

- 8x8x16 CMU, GROUND FACE -BASALITE - COLOR 490 PREFINISHED STANDING SEAM METAL ROOF - AEP SPAN "TAHOE BLUE" OR EQUAL ALUMINUM FRAMED WINDOWS, 3 CLR. ANODIZED HOLLOW METAL DOOR, PAINTED 4 OVERHEAD COILING DOOR, 5 POWDER COAT FINISH PRE-FINISHED EXTERIOR PHENOLIC CLADDING PANELS ABET LAMINATI - MEG COLOR: 480-GRIGIO PLOMO OR EQUAL PRE-FINISHED EXTERIOR 7 PHENOLIC CLADDING PANELS(DIAGONAL) - ABET LAMINATI COLOR: 854 - SILVER BLEU OR EQUAL PRE-FINISHED EXTERIOR 8 PHENOLIC CLADDING PANELS(TAPERED) - ABET LAMINATI - MEG COLOR:
 - 749-BAMBOO GOLD OR EQUAL SUN BAFFLES - ABET LAMINATI MEG COLOR: 545-VOLCANO OR EQUAL STEEL FRAMED CANOPY WITH
 - PRE-FINISHED EXTERIOR PHENOLIC CLADDING PANELS -ABET LAMINATI COLOR: 854 -SILVER BLEU OR EQUAL STOREFRONT SYSTEM 1" TEMPERED DOUBLE-GLAZING
 - 2 STANDING SEAM MTL. ROOF AEP SPAN - DESIGN SPAN COLOR : TAHOE BLUE

 - 7 PHENOLIC WALL PANELS
 - ABET LAMINATI COLOR : 854 - SILVER BLEU









Lone Tree Way Cor. Country Hills Drive Antioch CA 94509















SYMBOLS LIST AND CUTSHEETS E0.01 5/16/2019

Richard Miller

LONE TREE WAY & COUNTRY HILLS DRIVE, **ANTIOCH, CA 94509**



DUCKY'S CAR WASH



The Engineering **Z Ž Eni**erprise CONSULTING ENGINEERS 1125 HIGH STREET AUBURN, CA 95603 (530) 886-8556

TYPE SF1A SF2

SF3 SF4

	DUCKY'S CAR WASH LIGHTING FIXTURE SCHEDULE							
YPE	MANUFACTURER/CATALOG NUMBER	LIGHT SOURCE	BALLAST/DRIV ER	WATTS	VOLTAGE	DESCRIPTION		
-1	LITHONIA LIGHTING DSX0-LED-P4-30K-T4M-MVOLT-RPA- DMG-HS-DBLXD	LED 3000k/70 CRI 5,384 LUMENS	0-10V DIMMING LED	49 W	120 V	25' POLE MOUNTED AREA LIGHT FIXTURE. MOUNTED ON A ROUND 2-7/8" DIAMETER POLE. PROVIDE HOUSE-SIDE SHEILD.		
-1A	LITHONIA LIGHTING DSX0-LED-P4-30K-T4M-MVOLT-RPA- DMG-HS-DBLXD	LED 3000K/70 CRI 5,834 LUMENS	0-10V DIMMING LED	49 W	120 V	SAME AS FIXTURE SF1, BUT WITH TWO HEADS.		
-2	LITHONIA LIGHTING DSXW1-LED-10C-350-30K-T3M-MVOL T-PE-DMG-DDL-DBLXD	LED 3000K/70 CRI 2,010 LUMENS	0-10V DIMMING LED	13 W	120 V	EXTERIOR LED WALL PACK.		
-3	LITHONIA LIGHTING LIL-LED-30K-MVOLT	LED 3000K 800 LUMENS	LED	8 W	120 V	EXTERIOR KED WALL PACK.		
-4	PHILIPS LIGHTING S7R-830k-10-BK-Z10U	LED 3000K/80 CRI 1000 LUMENS	0-10V DIMMING LED	14 W	120 V	7" SURFACE MOUNTED DOWNLIGHT.		

LIGHTING SYMBOLS

ROUND DOWNLIGHT LUMINAIRE, RECESSED IN CEILING. 0

SINGLE-HEAD AREA LUMINAIRE WITH BRACKET ARM AND POLE, MOUNTED TO CONCRETE • BASE

TWO-HEAD AREA LUMINAIRES WITH BRACKET ARMS AND POLE, MOUNTED TO CONCRETE BASE

AREA LUMINAIRE, SURFACE OR RECESSED MOUNTED TO WALL.

	ELECTRICAL SHEET INDEX				
SHEET NO.	SHEET NAME	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS	SUBMITTAL 04
E0.01	SYMBOLS LIST AND CUTSHEETS				
E1.00	SITE LIGHTING PLAN				
E1.01	SITE LIGHTING CALCULATIONS				



