



PROJECT DESCRIPTION:

PROJECT DESCRIPTION:

Project proposes to transform a fire raveged rural site back to its agricultural roots. The land will be enhanced through the recreational use of "public Stable Without Horse Show", allowing the county residents to enjoy the property on horseback similar to other neerby properties. The project foculose been, pestures, accessory egricultural structures, training facilities and accessed offwer to support the primary use. The care and boarding of the horse are all the activities to maintain the health of the horse will all stays on the property. This includes deeping, feeding, waste removal, and general equestrian care for an extended period of time. Out of the ashes of the fire that devastated the community, the owners want to create a picturesque setting for the care of horses. They are committed to being racious members in the

PROJECT SUMMARY:

- The Care and Sparking of horses are all the activities required for the health and wellbeing of horses. This includes shelter, exercising, feeding and waste removal. Other activities may include veterinarian care and farrier services to be preformed by outside vendors that
- The two arenas and three training rings are to be used for training and exerciser by the horses boarded within the facility. Horses will not be boarded or penned within the arena.
- De distribution or perhate within the strain.

 No reacistide store is planned for this facility.

 The property is proposing one equipment shop that will by utilized for the storege of equipment and materials to run a facility of this size.

 This may include tractors, U.T.V's, tools and material for the general maintenance and upkeep of the grounds and buildings.

ARCHITECTURAL ASSETS:

Refer to Sheet A4.1 thru A4.11
A. (3) Proposed horse Barns.

(2) Covered riding Arena
 (1) Equipment shop
 (1) Office, with Caretaker unit above
 (3) Covered, training ring

pasture fencing throughout (1) Water tank

PARKING:

Parking will be screened from view with the use of the site topography, architectural assets and

Suggested 1/4 space per Horse

1 space for each employee.
(4) total

PARKING SUMMARY:

Parking is numerous, due to the rural nature and activities of the site. (13) visitor apaces are located near the office with (2) of them being accessible (10) spaces are located loosely near the emergency vehicle turn around south of the office. Additional parking is also anticipated near the barns, and equipment shoo.

Suggested parking: (16) total Suggested trailer parking/ storage: (16) trailers

ACCESS/ CIRCULATION:

Ingress and Egress to the site will be provided via the existing driveway off Quali Canyon Road. Access throughout property will utilize existing culverts. No new driveway culverts, vehicle bridges or vehicle over crossings are proposed.

The project will utilize the existing on-site well, existing ponds, existing water service and new water tank. Refer to water management plan for more information.

WASTEWATER:

vater will be treated by on-site septic systems.

No Grading is proposed at this time. New buildings will utilizing existing pads and drives.

To maintain the rural nature of the site, lighting will be limited to the exterior lighting of the architectural points of entry, the areas where common tasks associated to the care of horses will take place, and way-finding.



DOUBLE T RANCH 8325 QUAIL CANYON ROAD, VACAVILLE, CA 95688

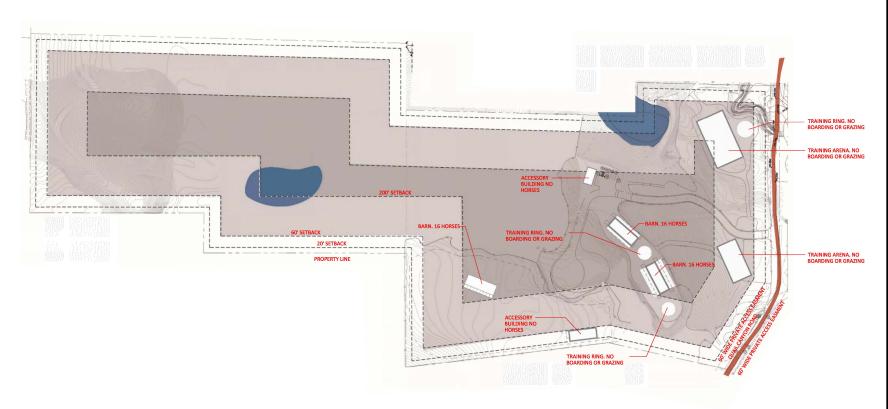
PROJECT DATA & DESCRIPTION

CALE:	NTS	
ATE:		08/12/20

REVISIONS

PROJECT NO.

A0.1 SHEET OF



SETBACK DIAGRAM







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SETBACK DIAGRAM

SCALE: NTS DATE: REVISIONS:

PROJECT NO. 21048
A0.2
SHEET OF



ACCESSORY BUILDING

10 TRAINING RING

11 TRAINING ARENA

A4.9

A4.10

A4.6-A4.7



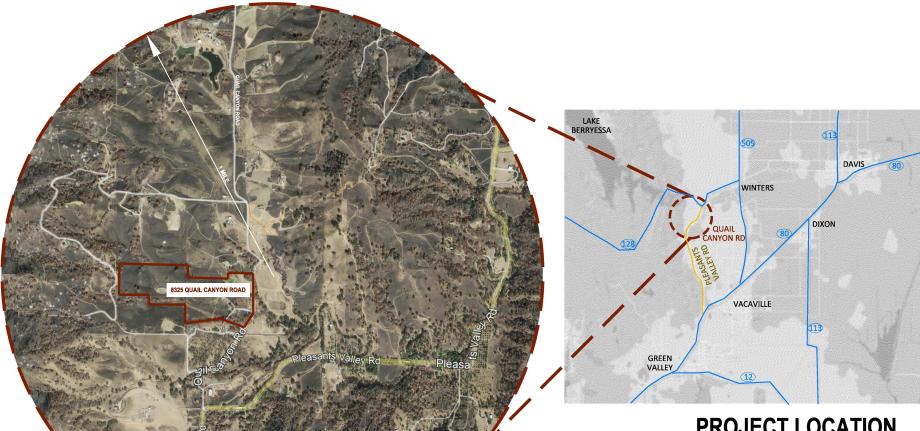


DOUBLE T RANCH 8325 QUAIL CANYON ROAD, VACAVILLE, CA 95688

SITE DIAGRAMS

SCALE: NTS	
DATE:	08/12/2022
REVISIONS:	

A0.3



VICINITY MAP





SITES INFORMATION:

ADDRESS: 8325 QUAIL CANYON ROAD APN: 0101-120-450 ACRES: 47.49

ZONING INFORMATION: A-160 AGRICULTURE









DOUBLE T RANCH 8325 QUAIL CANYON ROAD, VACAVILLE, CA 95688

VICINITY MAP, DRAWING INDEX

SCALE: NTS

REVISIONS:

A0.4 SHEET OF



EXISTING SITE IMAGE
NORTH AT 8325 QUAIL CANYON ROAD

BURNT IMAGE WEST AT 8325 QUAIL CANYON ROAD



EXISTING SITE IMAGE
NORTH-WEST AT 8325 QUAIL CANYON ROAD



EXISTING SITE IMAGE
EAST AT 8325 QUAIL CANYON ROAD



BURNT IMAGE EAST AT 8325 QUAIL CANYON ROAD



BURNT IMAGE EAST AT 8325 QUAIL CANYON ROAD

8325 QUAIL CANYON ROAD 47.49 ACRES SLOPES LEGEND

ROLLIING 7-15% SLOPE

HILLY 16-24% SLOPE

FLAT ROLLING HILLY STEEP SITE AREA (ACRES)

SITES SLOPES INFORMATION: SLOPE AREA PER SITE (ACRES) SLOPE OF PROPERTY SITE 8325 9.36 18.76 19.37 47.49

EXISTING SITE AERIAL IMAGE

8325 QUAIL CANYON ROAD

DOUBLE T RANCH 8325 QUAIL CANYON ROAD, VACAVILLE, CA 95688

EXISTING SITE IMAGES AND SITE SLOPES MAP

SCALE: NTS DATE:

REVISIONS

PROJECT NO. A0.5

EXISTING SITE SLOPES MAP

SCALE: 1" = 300'

FLAT OR SLOPING 0-6% SLOPE



CARING FOR HORSES IN RECOVERY

ONE OF DOUBLE T RANCH'S PRIMARY MISSIONS IS TO PROVIDE A SANCTUARY FOR HORSES IN NEED OF RECOVERY. THE RANCH IS EXPLORING A PARTNERSHIP WITH A LOCAL ANIMAL WELFARE ORGANIZATION AND VETERINARIAN TO REHABILITATE HORSES THAT HAVE FACED TRAUMATIC HEALTH ISSUES OR INJURIES. THESE FOUINE RESIDENTS CAN FIND SOLACE IN SPACIOUS, METICULOUSLY MAINTAINED
PADDOCKS, AND THE CARE THEY NEED,
INCLUDING PHYSICAL THERAPY, SPECIALIZED NUTRITION, AND EMOTIONAL HEALING.



MANURE MANAGEMENT

RANCH ENHANCES ITS LOCAL AGRICULTURAL PRESENCE.
MANAGING HORSES AND OTHER LARGE ANIMAL WASTE (MANURE) IS A PIVOTAL ASPECT OF THE RANCH'S
OPERATIONS. CONTRARY TO BEING A WASTE PRODUCT,
HORSE MANURE SERVES AS VALUABLE ORGANIC FERTILIZER FOR CROPS. THIS SUSTAINABLE PRACTICE OF RECYCLING MANURE TO ENHANCE SOIL FERTILITY CLOSELY ALIGNS
WITH AGRICULTURAL PRINCIPLES.



ECONOMIC CONTRIBUTION

EQUESTRIAN CENTERS PLAY A VITAL ROLE IN THE LOCAL ECONOMY BY GENERATING REVENUE THROUGH VARIOUS ACTIVITIES, INCLUDING HORSE BOARDING, RIDING LESSONS, AND GENERAL CARE. THIS ECONOMIC CONTRIBUTION EFFECTIVELY SUPPORTS THE LOCAL AGRICULTURAL ECONOMY, BENEFITING THE LIVELIHOODS OF FARMERS AND AGRICULTURAL



ANIMAL HUSBANDRY

THE RANCH IS ENGAGED IN THE CARE, BREEDING, AND TRAINING OF HORSES, REPRESENTING A FORM OF ANIMAL HUSBANDRY. HORSES FIND THEIR PLACE WITHIN THE AGRICULTURAL FRAMEWORK, WITH THESE FACILITIES ENSURING THEIR WELL-BEING THROUGH PROPER NUTRITION, MEDICAL ATTENTION, AND SHELTER - ALL ESSENTIAL COMPONENTS OF AGRICULTURAL ANIMAL





EDUCATIONAL AND COMMUNITY **ENGAGEMENT**

MANY EQUESTRIAN CENTERS ACTIVELY ENGAGE IN EDUCATIONAL PROGRAMS, AGRICULTURAL IN EDUCATIONAL PROGRAMIS, AGRICULTURAL FAIRS, AND COMMUNITY EVENTS THAT PROMOTE AGRICULTURAL AWARENESS. THESE CENTERS PROVIDE INVALUABLE OPPORTUNITIES FOR THE PUBLIC TO LEARN ABOUT FOR THE PUBLIC TO LEARN ABOUT AGRICULTURE, ANIMAL HUSBANDRY, AND RURAL LIFE, FURTHER UNDERSCORING THEIR SIGNIFICANT ROLE IN AGRICULTURAL



LAND USE AND RURAL **PRESERVATION**

DOUBLE T RANCH OCCUPIES SUBSTANTIAL LAND AREAS IN A RURAL SETTING, SAFEGUARDING OPEN SPACE AND PRESERVING THE RURAL CHARACTER OF THE COMMUNITY, THEREBY PREVENTING URBAN SPRAWL WITH ONLY 6.6% OF THE LAND BEING DEDICATED TO THE CARE OF HORSES, OPEN SPACE IS PRESERVED. THIS COMMITMENT ALIGNS PERFECTLY WITH THE BROADER AGRICULTURAL GOAL OF CONSERVING RURAL LANDSCAPES FOR AGRICULTURAL PURPOSES.

NESTLED WITHIN THE HEART OF OUR RURAL LANDSCAPE LIES AN ENCHANTING AGRICULTURAL HAVEN KNOWN AS DOUBLE T RANCH. METICULOUSLY MAINTAINED BARNS THAT HOUSE MAJESTIC FOUINE COMPANIONS, AND STATE-OF-THE-ART RIDING ARENAS WHERE THE TIMELESS BOND BETWEEN HUMANS AND AGRICULTURE FLOURISHES.

DOUBLE T RANCH IS A PLACE WHERE THE ART OF NURTURING HORSES THROUGH METICULOUS ANIMAL HUSBANDRY. BEYOND ITS PICTURESQUE BEAUTY, IT SERVES AS A GUARDIAN OF PRISTINE RURAL LANDSCAPES, A NURTURING WELLSPRING FOR THE LOCAL ECONOMY, AND A BEACON OF AGRICULTURAL EDUCATION AND COMMUNITY UNITY. THESE ENCHANTING FACETS COLLECTIVELY PAINT THE FOLIESTRIAN CENTER AS AN UNQUESTIONABLE EMBODIMENT OF RURAL AGRICULTURAL SPLENDOR WITHIN THE BROADER CANVAS OF ENDURING FARMING TRADITIONS.



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PRESERVING AGRICULTURAL TROUGH TRADITION AND BALANCE

DATE:

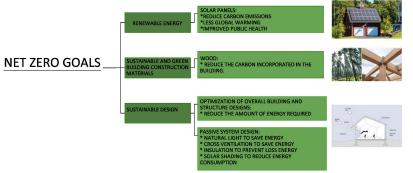
REVISIONS:

PROJECT NO.

A0.6



EXAMPLE OF BUILDING NET ZERO



DOUBLE T RANCH IS PROPOSING THE FOLLOW PASSIVE AND ACTIVE STRATEGIES TO HELP ACHIEVE NET-ZERO ENERGY:

- BY PRODUCING RENEWABLE ENERGY ONSITE VIA SOLAR PANELS, REDUCING CARBON EMISSIONS EVERY DAY.
- BY OPTIMIZATION OF OVERALL BUILDING AND STRUCTURE DESIGNS ON DOUBLE T RANCH WILL HELP REDUCE THE AMOUNT OF ENERGY REQUIRED.
- BY SOLAR SHADING TO HELP REDUCE ENERGY CONSUMPTION FROM THE MECHANICAL SYSTEMS AND KEEP A
 BILLIDING COMEODY ARE
- BY USING NATURAL LIGHT AND CROSS VENTILATION TO HELP SAVE ENERGY, MODERATE INTERNAL TEMPERATURES
 AND CREATING COMFORT SPACES.
- $\bullet \ \ \ \ \text{BY USING WOOD TO REDUCE THE CARBON INCORPORATED IN THE BUILDING AND IMPROVING AIR QUALITY.}$
- BY USING INSULATION TO PREVENT LOSS ENERGY.

NET ZERO STRATEGIES



ARCHITECTS



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1970 BROADWAY, SUITE 800 DAKLAND, CALIFORNIA 94612 (510) 272-1060



DOUBLE T RANCH 8325 QUAIL CANYON ROAD, VACAVILLE, CA 95688

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NET ZERO STRATEGIES

SCALE: NTS

DATE: 08/12/20

REVISIONS:

PROJECT NO. 21

A1.1







GRASS FIRE IMAGE 2*



GRASS FIRE IMAGE 3



GRASS FIRE IMAGE 4



PHOTOS TAKEN WHEN WE ASSIST A 200 ACRE GRASS FIRE ON QUAIL CANYON ROAD





WATER TRUCK IMAGE 2





WATER TRUCK IMAGE 3

DOUBLE T RANCH HAS IDENTIFIED THE FOLLOWING POTENTIAL EMERGENCIES:

- PERSONAL INJURIES OR ACCIDENTS ANIMAL INJURIES

1. FIRES
FIRES MAY OCCUR IN MANY FORMS; WILDFIRES, EQUIPMENT FIRES,
SMALL GRASS FIRES OR STRUCTURE FIRES. DOUBLE T RANCH OWNS A 4.000-GALLON WATER TRUCK. THIS TRUCK IS USED TO PREVENT FIRES ON OUR PROPERTY AND TO FIGHT FIRES ANYWHERE WE ARE NEEDED WE ARE ABLE TO FILL OUR WATER TRUCK FROM 3 PONDS AND LARGE ABOVE GROUND TANK FILLED WITH THOUSANDS OF GALLONS OF POND AND WELL WATER. WE ALSO HAVE SEVERAL FIRE EXTINGUISHERS AND TWO PORTABLE 275-GALLON WATER TRAILERS WITH PUMPS AND HOSES. OUR PROPERTIES ARE ALSO EQUIPPED WITH MANY WATER SPIGOTS AND HOSES. WHEN PERFORMING TASKS THAT MAY START A FIRE, DOUBLE T RANCH EMPLOYEES ALWAYS HAVE WATER NEARBY

WILDFIRES: TO PREVENT WILDFIRES FROM STARTING ON OUR PROPERTY, DOUBLE T RANCH AND ITS EMPLOYEES DO NOT CUT GRASS, WOOD. MASONRY, CONCRETE OR METALS AFTER 9 AM OUTDOORS UNLESS THE DAY WE NEED TO CUT SOMETHING IS ALSO AN APPROVED BURN DAY AS DETERMINED BY THE YOLO COUNTY AIR QUALITY MANAGEMENT DISTRICT. SIMILARLY, WE DO NOT CUT OR GRADE SOIL IF FLAMMABLE VEGETATION IS PRESENT UNLESS IT IS AN APPROVED BURN DAY.

EQUIPMENT FIRES: TO EXTINGUISH AN EQUIPMENT FIRE, EACH SIDE OF OLIAIL CANYON ROAD IS FOLLIPPED WITH MULTIPLE WATER SPIGOTS AND

WATER HOSES. EACH AUTOMOBILE, TRACTOR AND UTV HAS ITS OWN FULLY-CHARGED FIRE EXTINGUISHER. WE ALSO HAVE TWO TOWABLE WATER TRAILERS THAT INCLUDE A 275-GALLON TANK, A GAS-POWERED PUMP AND 100 FEET OF WATER HOSE ON "QUICK REELS"

GRASS FIRES: LIKE WILDFIRE PREVENTION, WE PREVENT GRASS FIRES BY NOT CUTTING GRASS, WOOD, MASONRY, CONCRETE OR METALS AFTER 9 AM OUTDOORS UNLESS THE DAY WE NEED TO CUT SOMETHING IS ALSO AN APPROVED BURN DAY AS DETERMINED BY THE YOLO COUNTY AIR QUALITY MANAGEMENT DISTRICT. SIMILARLY, WE DO NOT CUT OR GRADE SOIL IF FLAMMABLE VEGETATION IS PRESENT UNLESS IT IS AN APPROVED BURN DAY. DOUBLE T RANCH MAINTAINS AND EVER-ENLARGING HERD OF CATTLE AND GOATS FOR THE SOLE PURPOSE OF GRAZING TO MINIMIZE THE AMOUNT OF GRASS FIRE FUEL. WE DO NOT PROCESS OUR CATTLE OR GOATS. TO EXTINGUISH A GRASS FIRE, WE

STRUCTURE FIRES: TO PREVENT STRUCTURE FIRES, DOUBLE T RANCH WILL CONSTRUCT BUILDINGS WITH FIRE RESISTANT BUILDING MATERIALS WHEREVER POSSIBLE AND FEASIBLE. OUR COVERED RIDING ARENAS ARE 100% METAL AND STEEL. OUR HORSE BARNS ARE EQUIPPED WITH FIRE SUPPRESSION SYSTEM FED FROM CENTRALIZED ABOVE GROUND TANK A GENERATOR AND A PUMP TO EXTINGUISH ANY FIRE THAT "TRIGGERS" A SMOKE DETECTOR OR THE FUSIBLE LINK ON A FIRE SPRINKLER HEAD. BARNS ARE FULLY FIRE-SPRINKLERED.

2. PERSONAL INJURIES & ACCIDENTS
FOR ALL VISITORS, BOARDERS AND EMPLOYEES, SAFETY IS PRIORITY ONE
AT DOUBLE T RANCH. EVERY BARN, ARENA AND STRUCTURE IS EQUIPPED WITH VISIBLE FIRST AID KITS. AT A MINIMUM, FOUR DOUBLE T RANCH

EMPLOYEES WILL OBTAIN AND MAINTAIN THEIR AMERICAN RED CROSS FIRST AID CERTIFICATION(S). EMPLOYEES AND BOARDERS ARE FIRST AID CERTIFICATION(S), EMPLOYEES AND BOARDERS ARE COMPELLED TO STOP ANY PERSON THEY WITNESS PERFORMING AN ACTIVITY THAT IS UNSAFE. DOUBLE T RANCH'S "WELCOME PACKET" INCLUDES RULES, REGULATIONS AND A MAP TO THE CLOSEST EMERGENCY ROOM AND URGENT TREATMENT CENTER.

3. ANIMAL INJURIES
LIKE PERSONAL SAFETY, ANIMAL SAFETY IS ALSO PARAMOUNT AT DOUBLE T RANCH. WHILE EXECUTING A BOARDING AGREEMENT. SIGNING AN INDEMNIFICATION AND LIABILITY WAIVER AND SIGNING THE RANCH RULES & REGULATIONS DOCUMENT, EACH HORSE OWNER IS REQUIRED TO PROVIDE THEIR VETERINARIAN CONTACT INFORMATION. THIS VETERINARIAN INFORMATION WILL BE IN THE BOARDER'S ON-SITE FILE AND WRITTEN ON A PLACARD PROMINENTLY DISPLAYED IN FRONT OF EACH HORSE'S STALL. THE "WELCOME PACKET" INCLUDES A MAP AND DIRECTIONS TO LARGE ANIMAL HOSPITALS IN THE AREA, INCLUDING UC DAVIS. IF AN ANIMAL MUST BE EUTHANIZED, DOUBLE T RANCH IS PREPARED TO ASSIST THE HORSE OWNER WITH THE OWNER'S CONSENT. THIS SITUATION IS ALSO ACKNOWLEDGED IN THE BOARDING AGREEMENT LANGUAGE

EMERGENCY RESPONSE PLAN



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DOUBLE T RANCH 8325 QUAIL CANYON ROAD, VACAVILLE, CA 95688

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EMERGENCY RESPONSE PLAN

DATE:

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PROJECT NO.

A1.2



REFER TO "DOUBLE T RANCH WATER DEMAND STUDY" BY "HYDROSCIENCE"

THE PROJECT PROPOSES TO TRANSFORM THE EXISTING 47.49-ACRE SITE TO ITS AGRICULTURAL ROOTS. THE PROJECT INCLUDES BARNS, PASTURES, ACCESSORY AGRICULTURAL STRUCTURES, HORSE TRAINING FACILITIES, WATER STORAGE TANK, IRRIGATION WELL AND MAINTENANCE FACILITIES FOR THE CARE AND BOARDING

POTABLE WATER SUPPLY: SOLANO IRRIGATION DISTRICT

PER A SUBSCRIPTION AGREEMENT WITH THE SOLANO IRRIGATION DISTRICT (SID), THE PROPERTY IS SUPPLIED A MAXIMUM OF 670 GALLONS PER DAY (GPD) FOR

NON-POTABLE WATER SUPPLY: ON-SITE IRRIGATION WELL AND STORAGE PONDS

IN ADDITION TO THE POTABLE WATER SUPPLY THE SITE ALSO GENERATES. NON-POTABLE WATER FROM TWO SOURCES. THE FIRST SOURCE IS AN EXISTING IRRIGATION WELL. THE WELL WAS CONSTRUCTED WITH A 5.5-INCH DIAMETER CASING, DRILLED TO A DEPTH OF 83 FEET BELOW GROUND SURFACE (BGS). THE MOST RECENT WATER LEVEL READING ON THE WELL PUT STATIC WATER LEVELS AT 19 FEET BGS. THE IRRIGATION WELL IS ONLY TO BE USED DURING WET WEATHER MONTHS OF OCTOBER THROUGH APRIL WHEN IRRIGATION DEMANDS ARE MINIMAL. THE ANNUAL PUMPING RATE REQUIRED OF THIS SOURCE IS 1.77
GALLONS PER MINUTE, EQUATINING TO APPROXIMATELY 2.75 ACRE-FEET AS THE TOTAL VOLUME OF WATER USED OF THIS SOURCE.

THE SECOND SOURCE OF NON-POTABLE WATER COMES FROM TWO EXISTING ON-SITE WATER STORAGE PONDS, WHICH HAS AN APPROXIMATE CAPACITY OF 4,500,000 GALLONS. THE SOUTHERN POND HAS AN APPROXIMATE VOLUME OF 2,500,000 GALLONS, WHILE THE NORTHERN POND HAS AN APPROXIMATE VOLUME OF 2,000,000 GALLONS. IT SHOULD BE NOTED, THE NORTHERN POND LIES BETWEEN TWO PARCELS, WITH MUCH OF THE SURFACE AREA BELONGING TO THE DOUBLE T RANCH, A PRO-RATED VOLUME OF 1,800,000 GALLONS OF THE SMALLER POND WAS USED FOR THIS ANALYSIS, WITH A COMBINED VOLUME OF

4,300,000 GALLONS FOR NON POTABLE WATER USE.

THESE STORAGE PONDS HAVE HISTORICALLY BEEN LISED FOR MINOR IRRIGATION. FIRE SUPPRESSION AND FIREFIGHTING. IT SHOULD BE NOTED A STATE WATER BOARD PERMIT IS NOT NEEDED TO USE WATER CAPTURED BY THE PONDS BECAUSE THEY DIVERT SHEETFLOWS THAT ARE NOT CONTAINED WITHIN A WATER COURSE WITH A "DEFINITE CHANNEL WITH BED AND BANKS" AND ARE THUS NOT SUBJECT TO THE STATE WATER BOARD'S WATER RIGHTS JURISDICTION.

THE STORAGE PONDS ARE ASSUMED TO FILL DURING WET WEATHER MONTHS, WITH A SPILLWAY MAINTAINING A CONSISTENT MAXIMUM WATER LEVEL IN THE PONDS AND WILL BE PARTIALLY DRAWN DOWN DURING STARTING IN APRIL AND ENDING IN SEPTEMBER. GEOTECHNICAL INVESTIGATIONS INDICATE A CLAY SOIL LAYER UNDERLYING THE PONDS CAUSING MINIMAL TO NO WATER LOSS DUE TO INFILTRATION. IT IS ASSUMED THAT WATER FROM THE PONDS WILL EVAPORATE DURING THE DRY WEATHER MONTHS.

SITE WATER DEMANDS INCLUDE STAFF, GUESTS, RESTROOMS, KITCHEN FACILITIES. PASTURE, TREES, NATIVE GRASSES, AND HORSES. SID'S ALLOTMENT IS PROPOSED TO BE SUPPLIED TO ONLY THE POTABLE WATER DEMANDS OF GUESTS, STAFF, AND POTABLE USES ASSOCIATED WITH THE KITCHEN AND RESTROOMS. THE ON-SITE IRRIGATION WELL AND WATER STORAGE PONDS WILL SUPPLY NON POTABLE WATER TO THE SITE IRRIGATION SYSTEM, AND TO SUPPLY WATER FOR THE HORSES WHO ARE STABLED ON-SITE.

POTABLE WATER DEMANDS

THE DAILY POTABLE WATER DEMAND OF 158.4 GPD FOR DRINKING WATER AND USE OF THE KITCHEN AND RESTROOM FACILITIES FOR EMPLOYEES AND GUEST DOES NOT EXCEED SID'S MAXIMUM DAILY ALLOTMENT OF 670 GPD.

NON-POTABLE WATER DEMANDS - LIVESTOCK

THE NON-POTABLE WATER FOR THE LIVESTOCK IS LISED FOR CONSUMPTION ANIMAL CLEANING, AND BARN MAINTENANCE. WITH UP TO 48 HORSES ON SITE, PEAK DAILY NON-POTABLE WATER DEMANDS FOR LIVESTOCK IS 2,520 GPD.

NON-POTABLE WATER DEMANDS - IRRIGATION

IRRIGATION OF THE TREES AND LANDSCAPING WILL BE CALCULATED BY USING A COMBINATION OF DRY-YEAR PRECIPITATION, WATER STORAGE PONDS AND NON-POTABLE WATER FROM THE IRRIGATION WELLS. AREAS OF DIRECT IRRIGATION ARE LOCATED ALONG QUAIL CANYON ROAD AND THE PROPOSED DRIVEWAY AND CONSISTS OF APPROXIMATELY 1 ACRE OF TREES AND DRAUGHT TOLERANT GRASSES.

ANNUAL WATER BALANCE

POTABLE WATER BALANCE

THE DAILY POTABLE WATER DEMAND IS 158.4 GPD. THIS DEMAND IS USED FOR DRINKING WATER. IN THE KITCHEN, AND RESTROOM FACILITIES FOR EMPLOYEES AND GUESTS. THIS DAILY POTABLE WATER DEMAND WOULD BE SUPPLIED BY THE SID WATER SERVICE, AND IS LESS THAN THE SID MAXIMUM DAILY ALLOTMENT OF

NON POTABLE WATER BALANCE

THE IRRIGATION WELL WILL BE USED DURING WET WEATHER MONTHS. ALLOWING THE STORAGE PONDS TO BE FILLED THROUGH WINTER STORM EVENTS AND DRAWN DOWN WOULD OCCUR STARTING IN MAY THROUGH SEPTEMBER.

THE STORAGE PONDS PROVIDE A COMBINED VOLUME OF 4,300,000 GALLONS OF WATER TO THE PROJECT SITE.

THE PONDS WILL REMAIN PARTIALLY FULL AT THE END OF SEPTEMBER AND NON POTABLE WATER WOULD THEN BE SUPPLIED BY THE EXISTING IRRIGATION WELL UNTIL THE SPRING. ALLOWING THE WET WEATHER STORM EVENTS TO RECHARGE THE PONDS TO FULL CAPACITY.

GROUNDWATER MANAGEMENT

USE OF THE EXISTING SURFACE WATER STORAGE PONDS AND EXISTING

IRRIGATION WELL FOR THE PROJECT, DOES NOT SIGNIFICANTLY CHANGE THE HISTORICAL WATER USE ON SITE. IT CAN BE CONCLUDED THAT THE PROPOSED PROJECT, UTILIZING THE EXISTING IRRIGATION WELL WITH AN ANNUAL PRODUCTION RATE OF 1.77 GPM. WILL NOT SUBSTANTIALLY DECREASE GROUNDWATER SUPPLIES OR INTERFERE SUBSTANTIALLY WITH GROUNDWATER RECHARGE SUCH THAT THE PROJECT MAY IMPEDE SUSTAINABLE GROUNDWATER MANAGEMENT OF THE BASIN.

CONCLUSION

IN RESTRICTING POTABLE WATER LISE TO BATHROOM AND RESTROOM FACILITIES OF STAFF AND GUESTS, PEAK DAILY AND AVERAGE DAILY WATER DEMANDS OF 158.4 GPD FOR POTABLE WATER WILL NOT EXCEED SID'S DAILY ALLOTMENT OF 670 GPD. TO MEET THE ANNUAL DRY-YEAR PRECIPITATION DEMANDS FOR HORSE CARE AND SITE IRRIGATION, SUPPLY OF NON-POTABLE WATER FROM THE EXISTING WATER STORAGE PONDS AND THE EXISTING WELL WILL MEET THE ANNUAL WATER DEMANDS FOR THE PROJECT.





SCALE: NTS REVISIONS

> PROJECT NO. A1.3

WATER MANAGEMENT PLAN



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DOUBLE T RANCH 8325 QUAIL CANYON ROAD. VACAVILLE, CA 95688

WATER MANAGEMENT PLAN

DATE: 12/01/2023

S.R.A. REQUIREMENTS

WIDTH & SURFACES:

- ROADS WITHIN A PROPOSED SUBDIVISION SHALL BE A MINIMUM OF 20' IN WIDTH. ROAD
 WHICH PROVIDES THE PRIMARY ROUTE OF ACCESS TO THE PROPERTY BEING SUBDIVIDED OR
 DEVELOPED SHALL BE A MINIMUM OF 20' IN WIDTH.
- DRIVEWAYS SHALL BE A MINIMUM OF 10' IN WIDTH WITH 14' OF UNOBSTRUCTED HORIZONTAL CLEARANCE.
- ROAD SURFACES. ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT AN IMPOSED LOAD OF AT LEAST 75,000 POUNDS AND PROVIDE AN AGGREGATE BASE.
- DRIVEWAYS AND ROAD OR DRIVEWAY STRUCTURES (BRIDGES, CULVERTS, ETC.) SHALL BE DESIGNED AND MAINTAINED TO SUPPORT AT LEAST 40,000 POUNDS.

MAXIMUM GRADE. MAXIMUM GRADE. THE GRADE FOR ALL ROADS AND DRIVEWAYS SHALL NOT EXCEED 16%

RADIUS. NO ROAD SHALL HAVE A HORIZONTAL INSIDE RADIUS OF CURVATURE OF LESS THAN

TURNOUTS AND TURNAROUNDS: TURNOUTS AND TURNAROUNDS ARE REQUIRED ON DRIVEWAYS AND DEAD-END ROADS. AS FOLLOWS:

- DRIVEWAYS EXCEEDING 150' IN LENGTH, BUT LESS THAN 800' IN LENGTH, SHALL PROVIDE A TURNOUT NEAT THE MIDPOINT OF THE DRIVEWAY. WHERE THE DRIVEWAY EXCEEDS 800', TURNOUT SHALL BE PROVIDED NO MORE THAN 400' APART.
- A TURNAROUND SHALL BE PROVIDED ON DRIVEWAYS OVER 300' IN LENGTH AND SHALL BE WITHIN 50' OF THE BUILDING OR BUILDING PAD.
- THE MINIMUM TURNING RADIUS FOR A TURNAROUND SHALL BE 40', NOT INCLUDING PARKING. IF A HAMMERHEAD/T IS USED, THE TOP OF THE "T" SHALL BE A MINIMUM OF 60' IN LENGTH.
- A DEAD-END ROAD SHALL HAVE A TURNAROUND CONSTRUCTED AT ITS TERMINUS. IN THE RR-5, RR-10, A-20, ASV 20,AND W-160 ZOMING DISTRICTS, TURNAROUNDS SHALL BE PROVIDED ALONG DEAD-END ROAD AT A MAXIMUM OF 1,320" INTERVALS.
- A BRIDGE WITH ONLY ONE TRAFFIC LANE SHALL PROVIDE TURNOUTS AT BOTH ENDS.

GATES. GATES SHALL BE AT LEAST 2' WIDER THAN THE ROAD OR DRIVEWAY ON WHICH IT IS LOCATED. GATES PROVIDING ACCESS FROM A ROAD TO A DRIVEWAY SHALL BE LOCATED AT LEAST 30' FROM THE ROADWAY. SECURITY GATES SHALL HAVE AN APPROVED MEANS OF CHARGESTRY, OR DRATION.

SETBACKS AND DEFENSIBLE SPACE

- SETBACKS. ALL PARCELS 1 ACRE OR LARGER SHALL PROVIDE A MINIMUM 30-FOOT SETBACK FOR BUILDINGS AND ACCESSORY BUILDINGS FROM ALL PROPERTY LINES AND/OR THE CENTER OF THE ROAD.
- DEFENSIBLE SPACE. 200' OF DEFENSIBLE SPACE SHALL BE MAINTAINED AROUND ALL BUILDINGS UNLESS THE BUILDING IS LOCATED LESS THAN 100' FROM A PROPERTY LINE, IN WHICH CASE THE AREA BETWEEN THE BUILDING AND THE PROPERTY LINE SHALL BE MAINTAINED AS DEFENSIBLE SPACE. 10' OF DEFENSIBLE SPACE SHALL BE MAINTAINED ON EACH SIDE OF ROADS AND DRIVEWAYS.

BUILDING NUMBERING

- BUILDING ADDRESSES, ALL BUILDINGS, OTHER THAN UTILITY AND MISCELLANEOUS GROUP U
 BUILDINGS, WILL BE ISSUED AN ADDRESS. THIS ADDRESS SHALL BE POSTED ON THE ROAD
 FROMTING PROPERTY AT THE DRIVEWAY ENTRANCE, VISIBLE FROM BOTH DIRECTIONS OF
 TRAVEL, IN NUMBERS A MINIMUM 3" HEIGHT AND 3/8" STROKE, REFLECTORIZED, AND
 CONTRASTING WITH THE BEAKEROUND COLOR.
- WHERE MULTIPLE ADDRESSES ARE SERVED BY A DRIVEWAY, THEY SHALL BE ON A SINGLE SIGN OR POST. ADDRESSES SHALL BE POSTED AT THE START OF CONSTRUCTION AND SHALL BE MAINTAINED THEREAFTER.

FIRE SUPPRESSION/EMERGENCY WATER STANDARDS:

- WATER SUPPLY, ON PARCELS NOT SERVED BY A PUBLIC WATER SYSTEM, ON-SITE WATER STORAGE FOR WILDFIRE PROTECTION SHALL BE PROVIDED IN ADDITION TO AMOUNTS REQUIRED FOR DOMESTIC LES AND AUTOMATIC SPRINKLER SYSTEMS. THE AMOUNT OF STORAGE REQUIRED FOR WILDFIRE PROTECTION SHALL EQUAL OR EXCEED THE AMOUNT SPECIFIED BY NFPA 1142.
- HYDRANTS. THE LOCATION OF A HYDRANT IN RELATION TO THE ROAD OR DRIVEWAY AND
 TO THE BUILDINGS) OR STRUCTURE(S) IT SERVES SHALL COMPLY WITH CALIFORNIA FIRE
 CODE, CALIFORNIA CODE OF REGULATIONS THE 22 PART 9, CHAPTE 5, AND APPENDIX C.
 A BULE DOT REFLECTOR, WITH A MINIMUM DIMENSION OF 3", SHALL BE ADJACENT TO THE
 HYDRANT.
- TIME OF INSTALLATION, WATER SUPPLIES FOR WILDFIRE PROTECTION AND FOR STRUCTURE
 DEFENSE SHALL BE INSTALLED AND MADE SERVICEABLE PRIOR TO AND DURING THE TIME OF
 CONSTRUCTION, EXCEPT WHEN AN ALTERNATIVE METHOD OF PROTECTION IS PROVIDED
 AND APPROVED BY THE BUILDING OFFICIAL OR FIRE PROTECTION DISTRICT.



TOTAL LENTGTH OF QCR ROAD IMPROVEMENTS OF QUAIL CANYON RD IS 3,908' (0.74 MILES)

TURNAROUND SHALL BE CONSTRUCTED AT TERMINUS (EDGE OF MOST NORTHERN PART OF TT RANCH).

TYP, ROAD SHALL BE A MINIMUM OF 20' IN WIDTH EXCEPT A CROSSING WITH ONLY DONE TRAFFIC LANE. ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT AN IMPOSED LOAD OF AT LEAST 75,000 POUNDS AND PROVIDE AN AGGREGATE BASE. COUNTY IS REQUIRING THIS PORTION OF ROAD TO BE PAVED.

ALL BRIDGES, CULVERTS, ETC. WITH ONLY ONE TRAFFIC LANE SHALL PROVIDE TURNOUTS AT BOTH ENDS AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT AT LEAST 40,000 POUNDS.

TURNAROUNDS SHALL BE PROVIDED ALONG ROAD AT A MAXIMUM OF 1,320' INTERVALS.

THE GRADE FOR ALL ROADS AND DRIVEWAYS SHALL NOT EXCEED 16%.

NO ROAD SHALL HAVE A HORIZONTAL INSIDE RADIUS OF CURVATURE OF LESS THAN 50 FEET

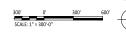
COUNTY ROAD, PLEASANTS VALLEY RD.

START OF PRIVATE ROAD, QUAIL CANYON RD.

QCR ROAD IMPROVEMENT

AS A CONDITION OF USE, OWNERS WILL MAKE ROAD IMPROVEMENTS PER S.R.A. REQUIREMENTS ALONG THE PRIVATE ROAD OF QUALL CANYON ROAD. BEGINNING FROM THE SOUTHERN POINT AT THE TURNOFF FROM COUNTY ROAD PLEASANT VALLEY ROAD TO THE NORTHERN MOST POINT OF 8376 QUALL CANYON ROAD PROPERTY.

THE OWNERS UNDERSTAND THE COMMUNITIES REQUEST FOR KEPING THE ROAD A BURAL SETTING AND WILL MAKE THE ROAD IMPROVEMENTS ONLY NECESSARY TO MEET THE SAR REQUIREMENTS. ONE CUS EPERMIT IS APPROVED FURTHER RIVESTIGATIONS WIL BE MADE TO UNDERSTAND THE EXTENT OF IMPROVEMENTS. AS THE ROAD HAS SERVED MULTIPLY STATE RESPONDED FIRE EMPRECIACIES WITHOUT ISSUE THE ROAD IMPROVEMENTS MAY BE MINDE.







WWW LCA - ARCHITECTS COM CARL E. CAMPOS DAVID BOGSTAD PETER STACKPOLE

580 YGNACIO VALLEY ROAD, SUITE 3: WALNUT CREEK, CALIFORNIA 94596 (925) 944-1626

1970 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612



DOUBLE T RANCH 8325 QUAIL CANYON ROAD, VACAVILLE, CA 95688

CA ARCHITECTS

THE INFORMATION, PLANS, DESIGNES, MOTES AND ARRANGEMENTS SHOWN ON THIS CONVINCE AND CONFIDENTIAL, AND MAY MIS THE REPRODUCED IN WHICK, AND MAY MIS THE REPRODUCED IN WHICK, EVEN IN PARK WITHOUT THE DIPPRESSOR WHITCH PERMISSION OF LOCA ARCHITECTS. DISKURNINGS MOTED AS PRELIMINARY, SCHEMITT, AND / OR CONCEPT DOWNER MERCHANDED HIS EDUCATION AND SELECT TO VERSION THIS IS DOMOGRAPHED. THE ARCHITECT MAKES BOLD. AND CAN ARROW THE ARCHITECT MAKES BOLD.

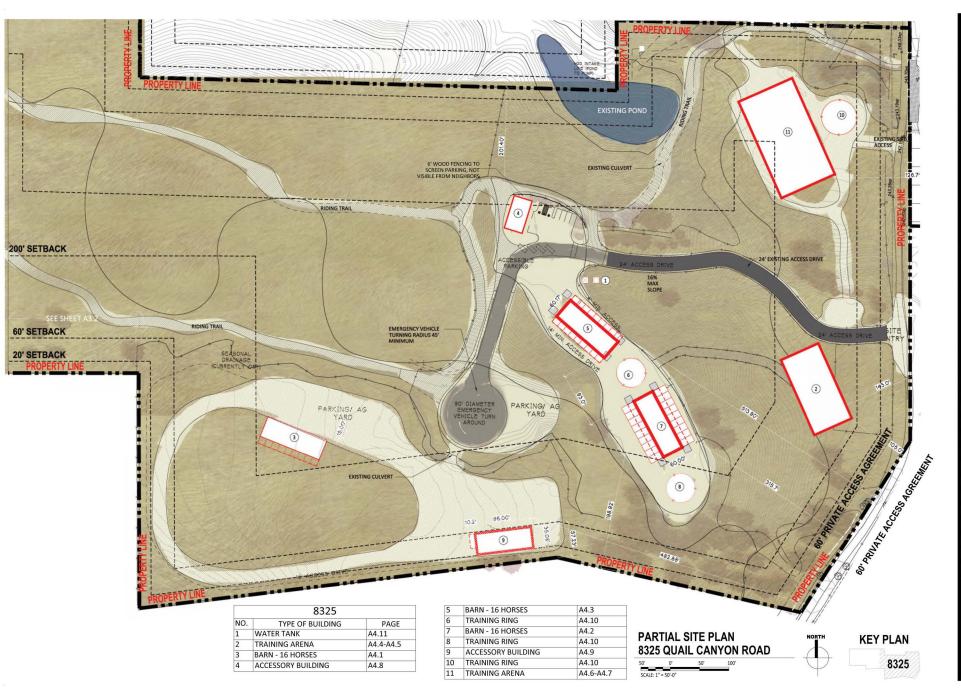
QCR ROAD IMPROVEMENT

> SCALE: 1:300 DATE: 08/12/2

REVISIONS:

PROJECT NO.

A1.4



ARCHITECTS



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1970 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612



DOUBLE T RANCH 8325 QUAIL CANYON ROAD, VACAVILLE, CA 95688

LCA ARCHITECTS
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PARTIAL SITE 8325 PROPOSED PLAN

SCALE: AS SHOWN
DATE: 08/12/2022

REVISIONS:

PROJECT NO.

A3.1 SHEET OF



PARTIAL SITE PLAN 8325 QUAIL CANYON ROAD







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OAKLAND, CALIFORNIA 9461 (510) 272-1060



DOUBLE T RANCH 8325 QUAIL CANYON ROAD, VACAVILLE, CA 95688

LCA ARCHITECTS

THE INFORMATION, PLANS, DESIGNES, NOTES AN ARRANGEMENTS SHOWN ON THIS COMMISS AND CONNECTION, AND MAY MIST BE REPRODUCED IN INFOCE OR IN PARKT INTHOUT THE EXPRESSED WHITTEN PERMISSION OF LOCA ARCHITECTS. COMMISSES NOTED AS FREE MINARY, SCHEMITS AND / OR COME PT CONTAIN INFORMATION THE IS CONSIDERLY AND SELECT TO VISIBLE AND AND CAR COMED THE AND SELECT TO VISIBLE AND ANDICK CHAMPE. THE AND SECTOR THAN SO, OR AND CAR CHAMPE. THE AND SECTOR THAN SO, OR AND CAR CHAMPE. THE AND SECTOR THAN SO, OR AND CAR CHAMPE. THE AND SECTOR THAN SO, OR AND CAR CHAMPE. THE AND SECTOR THAN SO, OR AND CAR CHAMPE. THE AND SECTOR THAN SO, OR SECTOR THAN SECTOR THAN SECTOR THAN SECTOR.

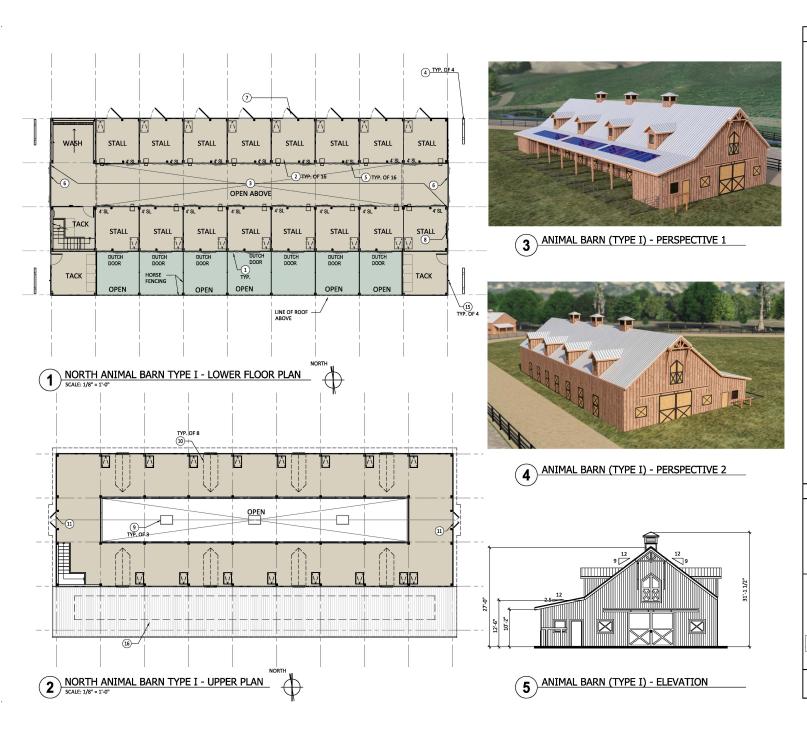
PARTIAL SITE 8325 PROPOSED PLAN

SCALE: AS SHOWN

DATE: 08/12/2022

REVISIONS:

PROJECT NO.



KEY NOTES:

- ROUGH PLYWOOD SIDING WITH 1X4 VERTICAL BATTEN BOARDS. SIDING AND TRIM COLOR T.B.D. RUBBER MAT OVER COMPACTED BASE ROCK AT ALL STALLS.
- RUBBER TILE OVER COMPACTED BASE ROCK AT

- RUBBER TILE OVER COMPACTED BASE ROCK AT BREEZEWAY FLOOR. (5'-0 HIGH, 7'-0 WIDD; HITCHING POSTS. INTERIOR STALL DOOR. -D-1:07 BLACK. BREEZEWAY DOUBLE DOOR. -WD-1:00-W SINGLE. DUTCH STALL WINDOW. DW1:01. CUPDLA C-1:01-8 BABVE.



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2

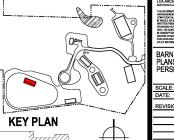


DOUBLE T RANCH

8325 QUAIL CANYON ROAD, VACAVILLE, CA 95688

PARTIAL KEY PLAN:

SCALE: 1/8" = 1'-0"

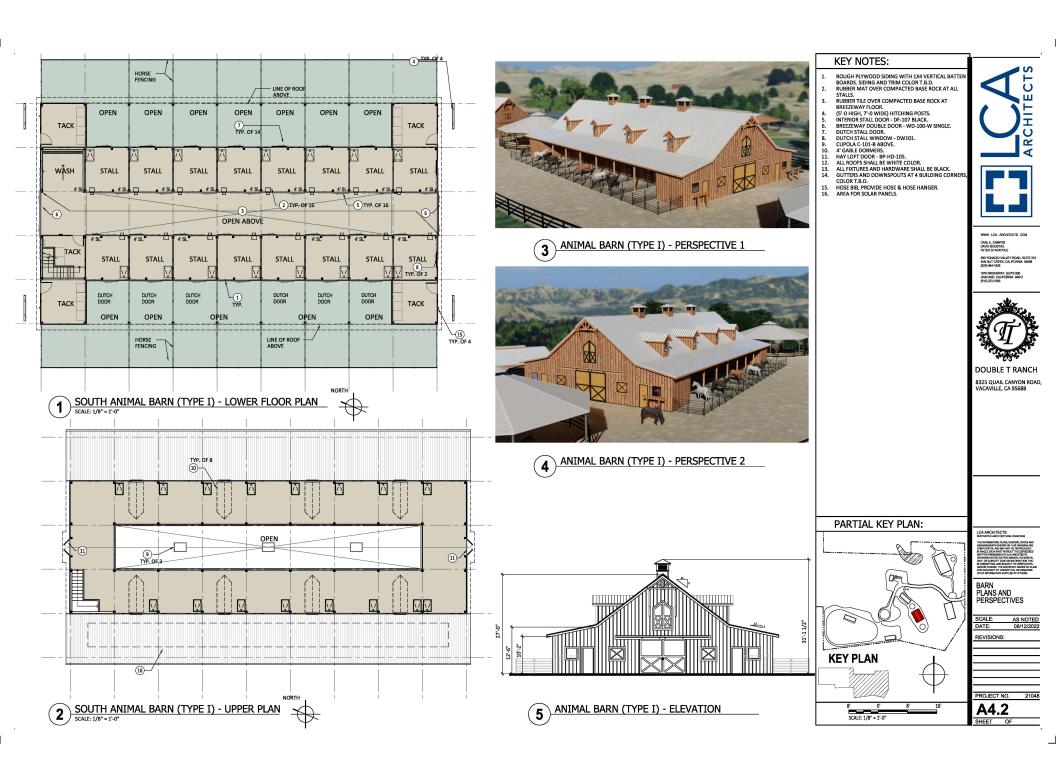


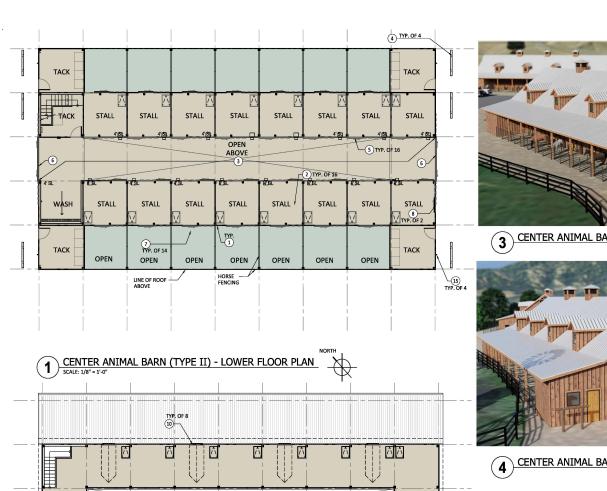
16'

PLANS AND PERSPECTIVES

DATE: 08/12/2022 REVISIONS:

ROJECT NO. A4.1





OPEN

NORTH

-11

SCALE: 1/8" = 1'-0"

TYP.OF 3

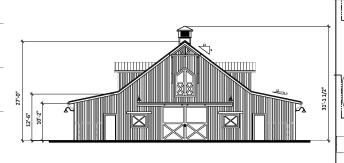
(16)-

CENTER ANIMAL BARN (TYPE II) - UPPER PLAN

CENTER ANIMAL BARN (TYPE II) - PERSPECTIVE 1



CENTER ANIMAL BARN (TYPE II) - PERSPECTIVE 2



ANIMAL BARN (TYPE I) - ELEVATION

KEY NOTES:



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2

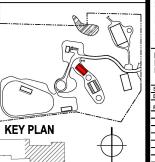
550 YGNACIO VALLEY ROAD, SUITE 311 WALNUT CREEK, CALIFORNIA 94596 (925) 944-1626



DOUBLE T RANCH 8325 QUAIL CANYON ROAD, VACAVILLE, CA 95688

PARTIAL KEY PLAN:

SCALE: 1/8" = 1'-0"



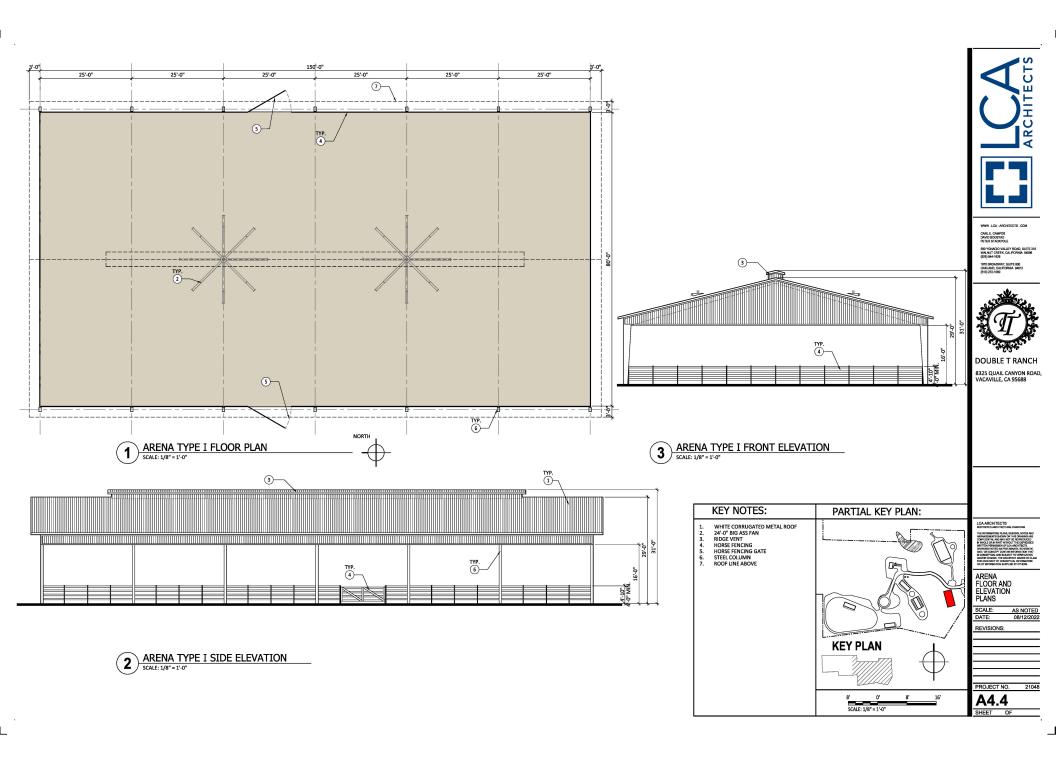
BARN PLANS AND PERSPECTIVES

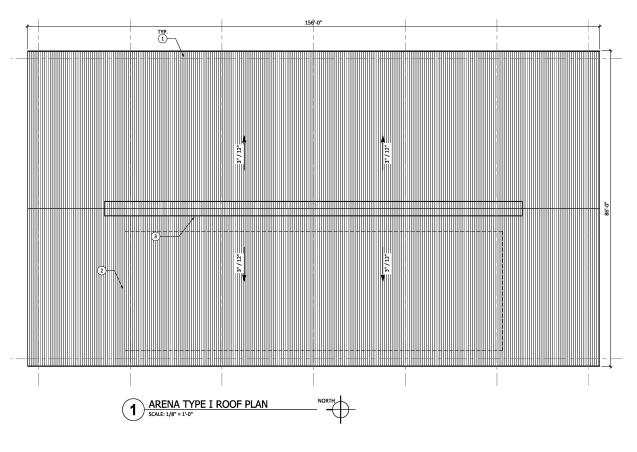
SCALE: DATE: REVISIONS:

ROJECT NO. **A4.3**

SHEET OF

11)~



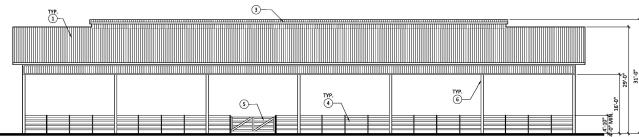




3 ARENA TYPE I PERSPECTIVE 1

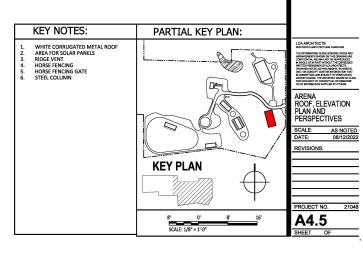


ARENA TYPE I PERSPECTIVE 2



ARENA TYPE I SIDE ELEVATION

SCALE: 1/8" = 1'-0"





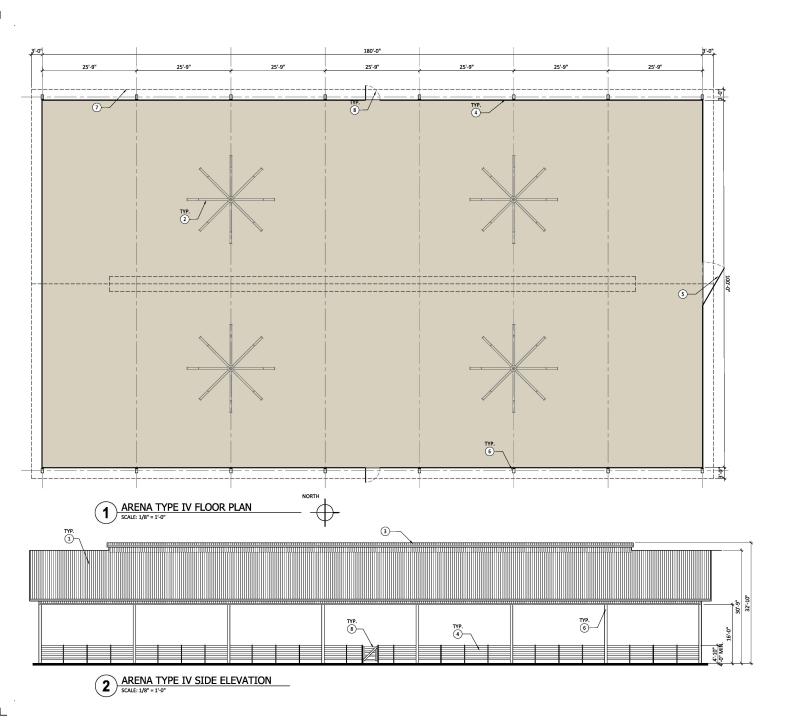


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DAVID BOOSTAD
PETER STRACPOLE
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DOUBLE T RANCH 8325 QUAIL CANYON ROAD, VACAVILLE, CA 95688

KEY NOTES:

- WHITE CORRUGATED METAL ROOF 24-0" BIG ASS FAN RIDGE VENT HORSE FENCING HORSE FENCING GATE STELL COLUMN ROOF LINE ABOVE ARENA DOOR

PARTIAL KEY PLAN:

8' 0' SCALE: 1/8" = 1'-0"

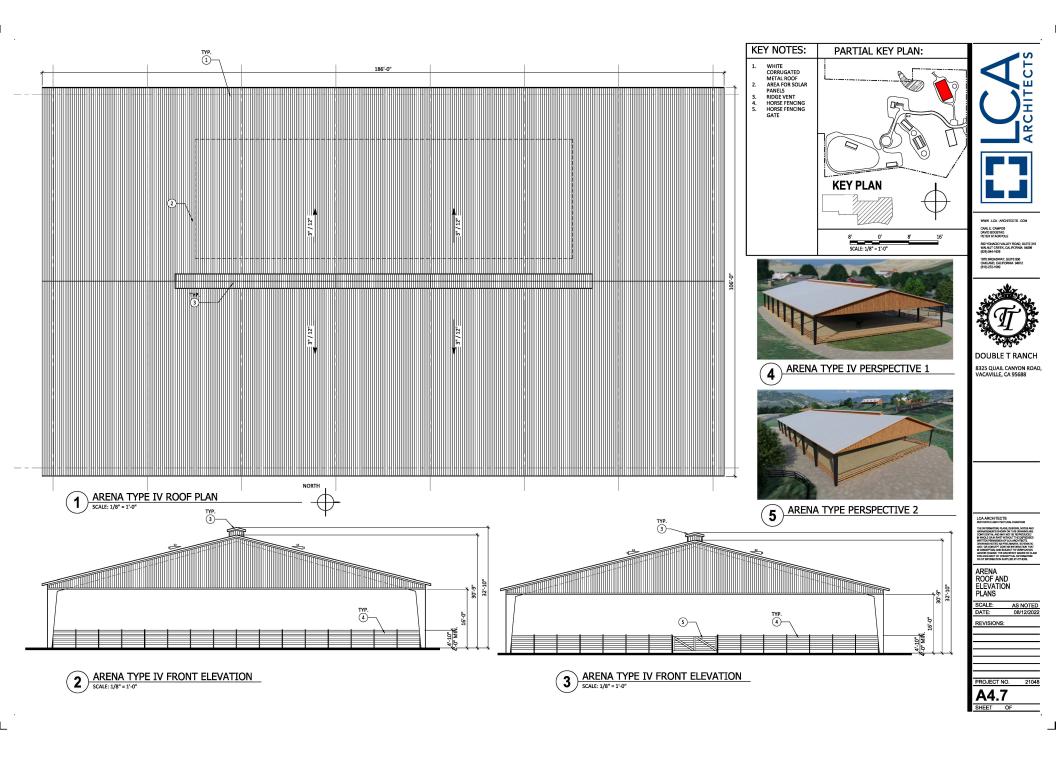


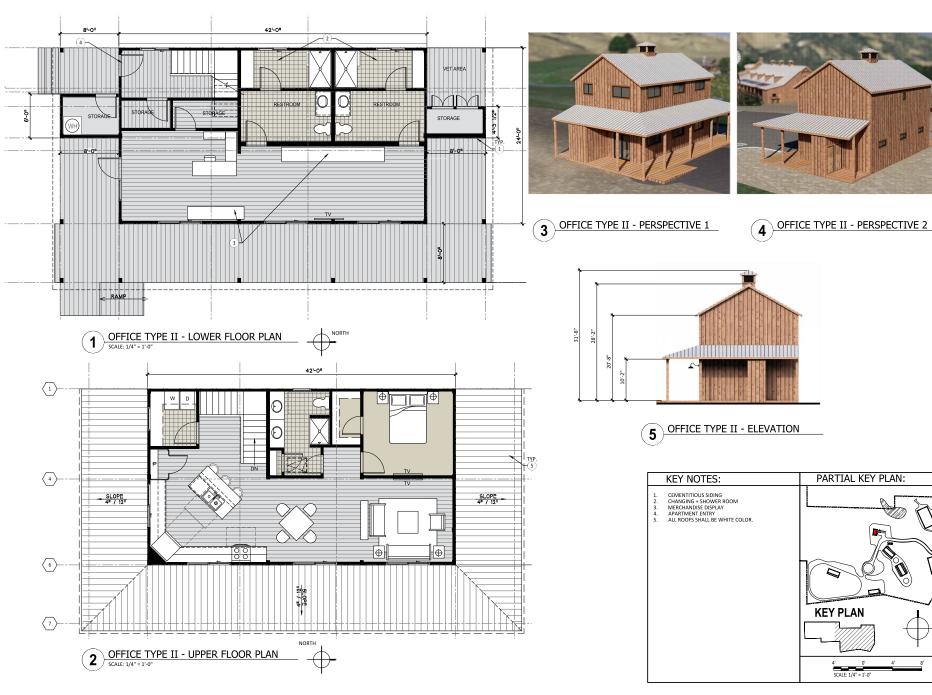
ARENA FLOOR, ELEVATION AND PERSPECTIVES

SCALE: DATE:

REVISIONS:

A4.6







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LCA ARCHITECTS

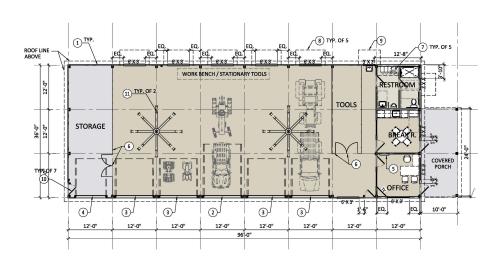
OFFICE FLOOR PLAN AND PERSPECTIVES

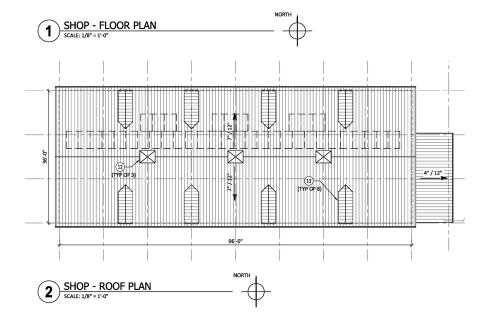
SCALE: REVISIONS:

PROJECT NO. 21048

A4.8

SHEET



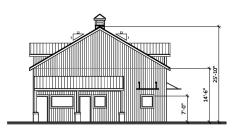




SHOP - PERSPECTIVE 1



SHOP - PERSPECTIVE 2



5 SHOP - FRONT ELEVATION
SCALE: 1/8" = 1'-0"

KEY NOTES:

- CEMENTITIOUS SIDING
 10" X 14" (0/H DOOR.
 10" X 10" (0/H DOOR.
 8" X 10" (0/H DOOR.
 8" X 10" (0/H DOOR.
 ELECTRICAL PANEL.
 CHAIN LINK CAGES WITH DOUBLE CHAIN LINK
- GATES/DOORS. 12" X 18" LOCKERS. 8' X4' AWNING.
- 8. 8' X4 AWNING.
 9. 6' X4 AWNING.
 10. ALL INTERIOR AND EXTERIOR MAN-DOORS SHALL
 BE 3' X7 (TYP. O.F 8).
 11. 84" CELIUNG BIG ASS FAN.
 12. CUPDICA 101-8.
 13. 4' GABLE DORMERS.



2

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DOUBLE T RANCH 8325 QUAIL CANYON ROAD, VACAVILLE, CA 95688

PARTIAL KEY PLAN:

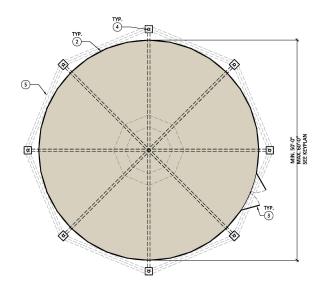
SCALE: 1/8" = 1'-0"



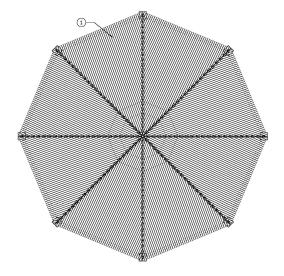
SHOP FLOOR ELEVATION PLAN & PERSPECTIVES

DATE: 08/12/2022 REVISIONS:

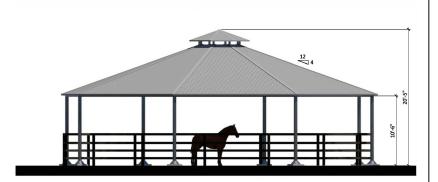
A4.9 SHEET OF



TRAINING RING - FLOOR PLAN



TRAINING RING - ROOF PLAN



TRAINING RING - ELEVATION



TRAINING RING - PERSPECTIVE

KEY NOTES:

- WHITE CORRUGATED METAL ROOF HORSE FENCING HORSE FENCING GATE STEEL COLUMN ROOF LINE ABOVE





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DOUBLE T RANCH 8325 QUAIL CANYON ROAD, VACAVILLE, CA 95688





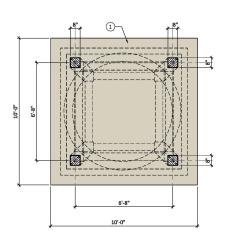
TRAINING RING FLOOR & ROOF PLAN ELEVATION & PERSPECTIVE

SCALE: DATE:

REVISIONS:

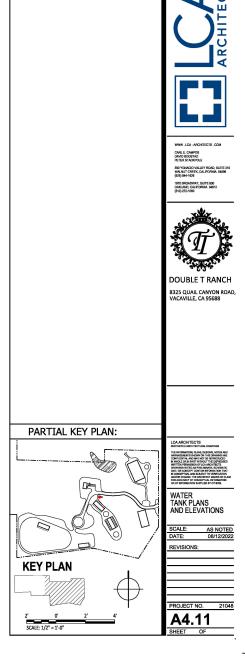
A4.10





PLAN





KEY NOTES:

CONCRETE PAD
WATER TANK, COLOR T.B.D