

floréz Wines and
Margins Wine
248T FREEDOM BLVD.
WATSONVILLE, CA.
A.P.N.: 049-181-29

Floréz Wines & Margins Wine

SCOPE OF WORK: PROPOSAL TO ESTABLISH A WINERY IN AN EXISTING APPLE PROCESSING FACILITY WITH NO ON SITE WINE TASTING.

PROJECT CONSISTS OF OCCUPYING 2880 SF EXISTING APPLE STORAGE WAREHOUSE FOR WINE BARRELL FERMENTATION & STORAGE. USING EXISTING RAISED CONCRETE DOCK AREA FOR WINE CRUSH PAD & JUICE COLLECTION AREA FOR WINE PRODUCTION.

PROJECT INFORMATION: CODE EDITIONS: 2019

PROJECT SITE: 248T FREEDOM BLVD. WATSONVILLE, CA. 95076

APN: 049-181-29 ZONING: CA
TYPE OF CONSTRUCTION: VB LOT SIZE: 21 ACRES
SETBACKS: N/A LOT COVERAGE: N/A
OCCUPANCY TYPE: S ENERGY METHOD: N/A

FIRE SPRINKLERS: NONE
EXISTING FIRE HYDRANT IS LOCATED ACROSS FREEDOM BLVD 10' FROM DRIVEWAY ENTRANCE.

DEVELOPMENT PERMIT:

WINERY STORAGE WAREHOUSE: 40' X 12' 2,880 SF
CRUSH PAD & RAISED CONC DOCK AREA: 2,100 SF (partial leased area)

ADDITIONAL STRUCTURES NOT A PART OF THIS PERMIT

EXISTING WORKSHOP: 22' X 30' EQUIPMENT SHED: 22' X 55'
RESIDENTIAL GARAGE: 50' X 25' REMAINDER OF DOCK AREA

EXISTING SFD: 1832 SF

COVERED STORAGE: 40' X 52' (used for apple packing & juice)

PACKING HOUSE: 60' X 65' (used for apple packing & juice)

OWNER: BRUCE RIDER & SONS, INC. 248T FREEDOM BLVD, WATSONVILLE

LESSEE: FLORÉZ WINES & MARGINS WINE MAKERS

JAMES JELKS: phone: 530-760-5410 email: james@florézwin.es.com

MEGAN BELL: phone: 925-413-2654 email: megan@margin.swine.com

LANDUSE CONSULTANT:

RON GORDON & ASSOCIATES: phone: 831-124-4673 email: rongordon@icd@gmail.com

CIVIL ENGINEER:

MEYER ENGINEERING & CONSULTING PAUL MEYER M.S. & P.E.

1796 LAUREN GLEN RD, SOQUEL, CA. 95073

Phone: 831-800-2244

email: paul@meyerengineering.com

SHEET INDEX

FP-1	EXISTING FACILITIES PLAN <i>for</i> LOADING DOCK & WINE STORAGE PROJECT INFORMATION
WW1	WASTE WATER COVER SHEET
WW2	EXISTING SITE LAYOUT
WW3	WINERY PROCESS WATER SYSTEM
WW4	WASTE WATER SYSTEM SPECS

REVISIONS	BY

Floréz Wines and Margins Wine 248T Freedom Blvd Watsonville, California A.P.N. 049-181-29
--

DRAWN ✓
CHECKED
DATE 3 APRIL 2020
SCALE
JOB NO.
SHEET
OF SHEETS

ABBREVIATIONS			
Ø	DIAMETER	MAX	MAXIMUM
AB	AGGREGATE BASE	MEP	MECHANICAL/ELECTRICAL/PLUMBING
ABDN	ABANDONED	MH	MANHOLE
AC	ACRE, ASPHALT CONCRETE	MIN	MINIMUM
ACP	ASBESTOS CEMENT PIPE	MIPT	MALE IRON PIPE THREAD
ACM	ASBESTOS CONTAINING MATERIAL	MJ	MECHANICAL JOINT
AD	AREA DRAIN	MPVC	MIDPOINT OF VERTICAL CURVE
AGG	AGGREGATE	MON	MONUMENT
ALGN	ALIGNMENT	N	NORTHING COORDINATE
ARV	AIR RELEASE VALVE	(N)	NEW
ASB	AGGREGATE SUBBASE	NC	NORMALLY CLOSED
ASPH	ASPHALT	NIC	NOT IN CONTRACT
		NO	NUMBER
		NTS	NOT TO SCALE
BC	BEGIN CURVE	OHE	OVERHEAD ELECTRIC
BEG	BEGIN	O.R.	OFFICIAL RECORDS
BFP	BACK FLOW PREVENTER		
BLDC	BUILDING CORNER		
BLDG	BUILDING		
BMP	BEST MANAGEMENT PRACTICES		
BOD	BOTTOM OF DOCK	(P)	PROPOSED
BOL	BOLLARD	P	PAVEMENT ELEVATION
BSW	BACK OF SIDEWALK	PA	PLANTER AREA
BVC	BEGIN VERTICAL CURVE	PB	PULL BOX
BW	FINISHED GRADE AT BOTTOM OF WALL	PCC	POINT OF COMPOUND CURVATURE
			PORTLAND CEMENT CONCRETE
C	CONCRETE OR CIVIL	PE	PLAIN END
CB	CATCH BASIN	PED	PEDESTRIAN
C&G	CURB AND GUTTER	PERF	PERFORATED
CC&SW	CURB, GUTTER & SIDEWALK	PH	POTHOLE
CI	CAST IRON OR CURB INLET	PID	POINT ID
CIP	CAST IRON PIPE	PIV	POST INDICATOR VALVE
CL	CENTERLINE	PL	PROPERTY LINE
CLR	CLEAR	PM	PARKING METER
CLSM	CONTROLLED LOW-STRENGTH MATERIAL	PMH	POWER MANHOLE
CMN	COMMUNICATION	PO	PUSH-ON
CMP	CORRUGATED METAL PIPE	POC	POINT ON CURVE
CO	CLEAN OUT	POI	POINT OF INTERSECTION
CONC	CONCRETE	PP	POWER POLE
CONST	CONSTRUCTION OR CONSTRUCT	PRC	POINT OF REVERSE CURVATURE
CONF	CONFORM TO EXISTING	PRV	PRESSURE REDUCING VALVE
CSC	CITY OF SANTA CLARA	PRUE	PRIVATE UTILITY EASEMENT
CU	CUBIC	PT	POINT OF TANGENCY
CY	CUBIC YARD	PUE	PUBLIC UTILITY EASEMENT
		PVC	POLYVINYL CHLORIDE PIPE
D=	DELTA (CURVE)	R	RIGHT
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY	R=	RADIUS (CURVE)
DEMO	DEMOLISH	RC	RELATIVE COMPACTION
DEPT	DEPARTMENT	RCP	REINFORCED CONCRETE PIPE
DET	DETAIL	RJ	RESTRAINED JOINT
DI	DROP INLET, DUCTILE IRON	RP	RADIUS POINT
DIA	DIAMETER	RPBFP	REDUCED PRESSURE BACKFLOW PREVENTER
DIP	DUCTILE IRON PIPE	RPPA R	EDUCED PRESSURE PRINCIPLE ASSEMBLY
DOM	DOMESTIC	RSC	RECEIVING AND SUPPORT CENTER
DW	DOMESTIC WATER	RW	RECYCLED WATER
DWG	DRAWING	R/W, ROW	RIGHT OF WAY
E	EASTING COORDINATE, ELECTRIC	S	SOUTH, SLOPE
EC	END CURVE	S.A.D.	SEE ARCHITECTURAL DRAWINGS
EG	EXISTING GRADE	SD	STORM DRAIN
EL, ELEV	ELEVATION	SDCB	STORM DRAIN CATCH BASIN
ELEC	ELECTRICAL	SDI	STORM DRAIN INLET
EP	EDGE OF PAVEMENT	SDMH	STORM DRAIN MANHOLE
EVA	EMERGENCY VEHICLE ACCESS	SDCO	STORM DRAIN CLEANOUT
EX,EXIST, (E)	EXISTING	S.E.D.	SEE ELECTRICAL DRAWINGS
(F)	FUTURE	SF	SILT FENCE
FA	FIRE ALARM	SG	SUBGRADE
F/C,FC	FACE OF CURB	SHLDR	SHOULDER
FD	FOUND	SHT	SHEET
FDC	FIRE DEPARTMENT CONNECTION	SL	STREETLIGHT
FF,FFE	FINISHED FLOOR ELEVATION	S.L.D.	SEE LANDSCAPE DRAWINGS
FG	FINISH GRADE	SMH	SIGNAL MANHOLE
FH	FIRE HYDRANT	S.M.D	SEE MECHANICAL DRAWINGS
FIPT	FEMALE IRON PIPE THREAD	S.P.D	SEE PLUMBING DRAWINGS
FL	FLOW LINE, FLANGE	SS	SANITARY SEWER
FLG	FLANGE	S.S.D.	SEE STRUCTURAL DRAWINGS
FM	FLOWMETER/FORCE MAIN	SSD	SUBSURFACE DRIP
FOUND	FOUNDATION	SSCO	SANITARY SEWER CLEANOUT
FS	FINISHED SURFACE	SSFM	SANITARY SEWER FORCE MAIN
FT	FOOT, FEET	SSMH	SANITARY SEWER MANHOLE
FW	FIRE WATER	SSPS	SANITARY SEWER PUMP STATION
		STA	STATION
G	GAS, GROUND ELEVATION	STD	STANDARD
GB	GRADE BREAK	STL	STEEL
GI	GALVANIZED IRON	SW	SIDEWALK
GRD, G	GROUND	SVP	SILICON VALLEY POWER
GV	GATE VALVE	T	TELEPHONE
HMA	HOT MIX ASPHALT	TC	TOP OF CURB
HORIZ	HORIZONTAL	TD	TRENCH DRAIN
HT	HEIGHT	TEL	TELEPHONE
HP	HIGH POINT	TEMP	TEMPORARY
		TFC	TOP FACE OF CURB
		THK	THICK
INV	INVERT	TOD	TOP OF DOCK
INST	INSTALL	TOE	TOE OF SLOPE
IRR	IRRIGATION	TW,TOW	TOP OF WALL
		TS	TOP OF SLAB
JP	JOINT POLE	TYP	TYPICAL
JT	JOINT TRENCH		
L	LEFT	UON	UNLESS OTHERWISE NOTED
L=	LENGTH (CURVE)	U/G	UNDERGROUND
LAT	LINEAR FEET	VC	VERTICAL CURVE
LAT	LATERAL		
LIP	LIP OF GUTTER	W	WEST, WATER
LP	LIGHT POLE, LOW POINT	WM	WATER METER
LPFH	FIRE HYDRANT	WV	WATER VALVE
LS	LANDSCAPE	WWF	WELDED WIRE FABRIC
LSA	LANDSCAPE ARCHITECT	W/	WITH
MA	MEDICAL AIR	YDS	YARDS

CIVIL SYMBOLS LEGEND			
SURVEY TOPO AND SITE IMPROVEMENTS		ANNOTATION	
6" CURB & GUTTER	SDLO	KEYNOTE	
EDGE OF AC PAVEMENT	E	DEMOLITION NOTE	
6" VERTICAL CURB	PB		
DOMESTIC WATER MAIN	HVE		
ELECTRIC LINE	T		
FLUSH LINE	Ø		
FORCE MAIN	GUY		
GAS LINE	JP		
IRRIGATION LINE	Ø		
OVERHEAD WIRES	Ø		
OVERHEAD ELECTRIC	Ø		
OVERHEAD TELEPHONE	Ø		
RECYCLED WATER	Ø		
SANITARY SEWER LINE	Ø		
STORM DRAIN LINE	Ø		
STREET LIGHT CONDUIT	Ø		
TELECOMMUNICATIONS	Ø		
TELEPHONE LINE	Ø		
TELEVISION LINE	Ø		
WATER LINE	Ø		
UNDERGROUND ELECTRIC	Ø		
TRENCH DRAIN	Ø		
METAL BEAM GUARD RAIL	Ø		
SILT FENCE	Ø		
CHAIN LINK FENCE	Ø		
FLOW LINE	Ø		
CONTOUR ELEVATION LINE	Ø		
CENTER LINE	Ø		
PROPERTY LINE	Ø		
MONUMENT LINE	Ø		
EASEMENT LINE	Ø		
FINISH GRADE	Ø		
SURFACE DRAINAGE SLOPE	Ø		
SPOT ELEVATION	Ø		
GRADE BREAK	Ø		
LIMIT OF WORK/GRADING	Ø		
IRRIGATION BOX	Ø		
GAS METER	Ø		
GAS VALVE	Ø		
WATER METER	Ø		
WATER VALVE	Ø		
WATER METER OR BFP	Ø		
FIRE HYDRANT	Ø		
FIRE DEPARTMENT CONNECTION	Ø		
WATER TAPPING SADDLE	Ø		
SEWER MANHOLE	Ø		
SEWER CLEANOUT	Ø		
SEWER VENT	Ø		
STORM DRAIN MANHOLE	Ø		
CATCH BASIN	Ø		
CURB INLET	Ø		
DRAINAGE INLET	Ø		

PROJECT DESCRIPTION

GENERAL: NEW WINERY PROCESS WATER SYSTEM

BASIS: NEW WINERY

GENERAL SHEET NOTES																				
<p>1. ABBREVIATIONS AND SYMBOLS ON THIS SHEET APPLY ONLY TO THE CIVIL DRAWINGS. REFER TO OTHER DISCIPLINES FOR APPLICABLE ABBREVIATIONS AND SYMBOLS NOT PROVIDED HERE.</p> <p>2. THIS IS A STANDARD ABBREVIATION AND LEGEND SHEET, THEREFORE, SOME ABBREVIATIONS AND LEGEND SYMBOLS MAY APPEAR ON THIS SHEET AND MAY NOT BE UTILIZED ON THIS PROJECT.</p> <p>3. DO NOT SCALE DRAWINGS.</p> <p>4. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE CURRENTLY REQUIRED VERSION OF THE FOLLOWING CODE:</p> <p>4.1. CALIFORNIA BUILDING CODE</p> <p>4.2. CALIFORNIA PLUMBING CODE</p> <p>4.3. CALIFORNIA MECHANICAL CODE</p> <p>4.4. CALIFORNIA ELECTRICAL CODE</p> <p>4.5. ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES</p> <p>5. NOTHING ON THE ENCLOSED DRAWINGS IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO THE CODES, ORDINANCES, OR REGULATIONS DESCRIBED ABOVE.</p> <p>6. ANY DEVIATIONS FROM THE PROPOSED PLANS SHALL BE DISCUSSED WITH THE PROJECT ENGINEER PRIOR TO MAKING CHANGES IN THE FIELD.</p>																				
INDEX																				
<table><thead><tr><th colspan="3">WASTEWATER SHEETS</th></tr><tr><th>NO.</th><th>SHEET</th><th>TITLE</th></tr></thead><tbody><tr><td>1</td><td>WW 1</td><td>COVER SHEET</td></tr><tr><td>2</td><td>WW 2</td><td>EXISTING SITE LAYOUT</td></tr><tr><td>3</td><td>WW 3</td><td>WINERY PROCESS WATER SYSTEM PLAN</td></tr><tr><td>4</td><td>WW 4</td><td>WINERY PROCESS WATER SYSTEM SPECIFICATIONS (AND EROSION CONTROL NOTES)</td></tr></tbody></table>			WASTEWATER SHEETS			NO.	SHEET	TITLE	1	WW 1	COVER SHEET	2	WW 2	EXISTING SITE LAYOUT	3	WW 3	WINERY PROCESS WATER SYSTEM PLAN	4	WW 4	WINERY PROCESS WATER SYSTEM SPECIFICATIONS (AND EROSION CONTROL NOTES)
WASTEWATER SHEETS																				
NO.	SHEET	TITLE																		
1	WW 1	COVER SHEET																		
2	WW 2	EXISTING SITE LAYOUT																		
3	WW 3	WINERY PROCESS WATER SYSTEM PLAN																		
4	WW 4	WINERY PROCESS WATER SYSTEM SPECIFICATIONS (AND EROSION CONTROL NOTES)																		
PROJECT DESIGN AND OPERATION NOTES																				
<p>DESIGN FLOWS AND VOLUMES</p> <p>FACILITY TYPE: COMMERCIAL/WINERY</p> <p>ESTIMATED UNIT FLOW BASIS: 12 GALLONS PROCESS WATER / CASE OF WINE</p> <p>PROPOSED ANNUAL PRODUCTION:</p> <p>RED=30 TONS CRUSHED & 2,018 CASES, WHITE=40 TONS CRUSHED & 2,691 CASES</p> <p>PROPOSED WASTEWATER PRODUCTION:</p> <p>PEAK DAILY DURING CRUSH=400 GPD</p> <p>30-DAY AVERAGE DURING CRUSH=100 GPD</p> <p>PEAK DAILY DURING NON-CRUSH=300 GPD</p> <p>30-DAY AVERAGE DURING NON-CRUSH=16 GPD</p> <p>WINERY PROCESS WATER SYSTEM DESIGN CAPACITY</p> <p>REGIONAL WATER BOARD TIER: TIER 5</p> <p>DESIGN SYSTEM TYPE: TANK AND HAUL</p> <p>DESIGN CAPACITY OF TANK: 3,000 GALLONS</p> <p>EXISTING SEPTIC SYSTEM</p> <p>PREVIOUS FACILITY USE: APPLE PROCESSING</p> <p>PREVIOUS NUMBER OF EMPLOYEES: 25 DURING PEAK SEASON</p> <p>EXISTING SEPTIC SYSTEM TANK TYPE AND SIZE: STEEL 750 GALLON TANK</p> <p>JANUARY 2020 PUMPER COMPANY REPORTED CONDITION: GOOD</p> <p>WATER FLOW TEST: PASS</p> <p>ELECTRICAL REQUIREMENTS</p> <p>PROPOSED FACILITY USE: WINERY</p> <p>PROPOSED NUMBER OF EMPLOYEES: 2</p> <p>ESTIMATED WASTEWATER (SEPTIC) DEMAND: 50 GPD</p> <p>RESTROOM FOR EMPLOYEES ONLY</p> <p>PROCESS WATER LEVEL ALARM FLOATS AND PANEL SHALL HAVE A DEDICATED CIRCUIT SIZED APPROPRIATELY ACCORDING TO THE FLOAT SYSTEM MANUFACTURER RECOMMENDATIONS</p> <p>WATER SUPPLY: CITY OF WATSONVILLE</p>																				

STATE WATER BOARD REVIEW	APR 2020
No.	Revision/Issue
	Date

COVER SHEET

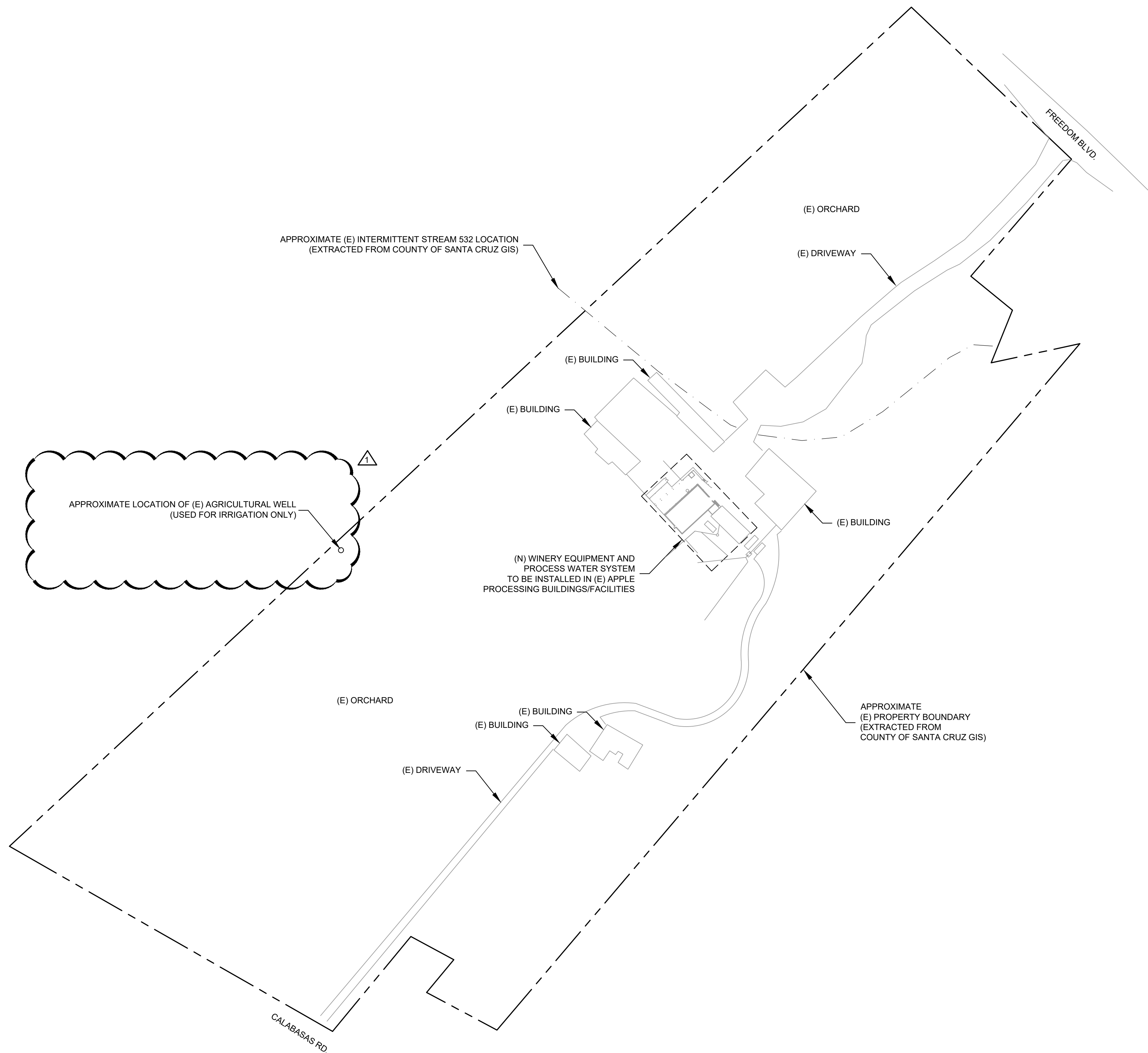
FLOREZ AND MARGINS SITE
IMPROVEMENT PROJECT
2487 FREEDOM BLVD.,
WATSONVILLE, CA
APN: 049-181-29

CLIENT
MARGINS WINE
MEGAN BELL
MEGAN@MARGINSWINE.COM
(925) 413-2654
FLOREZ WINES
JAMES JELKS
JAMES@FLOREZWINES.COM
(530) 760-5140

MYER ENGINEERING, INC.
Civil Engineering Consulting Services
PAUL MYER, MS, PE
1796 LAUREL GLEN RD.
SLOQUEL, CA 95073
(831) 800-2244
paul@myerengineering.com

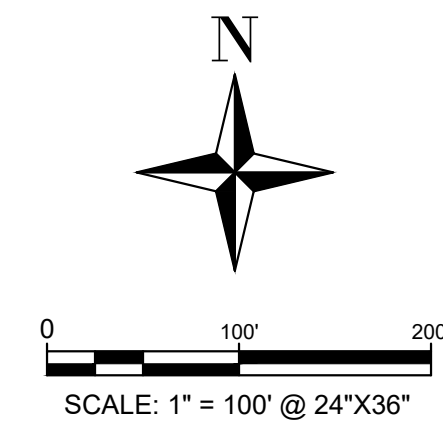


Drawn By PEM	Checked By PEM
Project No. 202004	Scale AS SHOWN
Date MARCH 2020	
Sheet No.	



1 EXISTING SITE LAYOUT

SCALE: 1" = 100'



△	STATE WATER BOARD REVIEW	APR 2020
	No.	Revision/Issue
		Date

EXISTING SITE LAYOUT

FLOREZ AND MARGINS SITE
IMPROVEMENT PROJECT
2487 FREEDOM BLVD,
WATSONVILLE, CA
APN: 049-181-29

CLIENT
MARGINS WINE
MEGAN BELL
MEGAN@MARGINSWINE.COM
(925) 413-2654
FLOREZ WINES
JAMES JELKS
JAMES@FLOREZWINES.COM
(530) 760-5140

MYER ENGINEERING, INC.
Civil Engineering Consulting Services
PAUL MYER, MS, PE
1796 LAUREL GLEN RD.
SOQUEL, CA 95073
(831) 800-2244
paul@myerengineering.com



Drawn By PEM	Checked By PEM
Project No. 202004	Scale AS SHOWN
Date MARCH 2020	
Sheet No.	

WW2
2 OF 4



GENERAL SPECIFICATIONS

THE FOLLOWING SPECIFICATIONS ARE FOR THE INSTALLATION OF THE ENHANCED WASTEWATER TREATMENT SYSTEM AT CONFERENCE DRIVE IN SCOTTS VALLEY, CALIFORNIA. THE ACCOMPANIED PLANS PRESENT THE GENERAL LAYOUT, PLUMBING CONFIGURATION, AND CONSTRUCTION DETAILS.

MATERIAL SPECIFICATIONS

THE FOLLOWING ARE MATERIAL SPECIFICATIONS FOR THE WASTEWATER SYSTEM COMPONENTS. ALL MATERIALS USED FOR THE CONSTRUCTION OF THIS PROJECT SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS AND AS DESCRIBED IN THE ACCOMPANIED PLANS OR AN ENGINEER APPROVED EQUIVALENT.

1. SUBSURFACE TANKS

THE SUBSURFACE TANKS INCLUDE THE 3,000 GALLON PROCESS WATER HOLDING TANK:

- 1.1. DIMENSIONS, FITTING SIZES AND LOCATIONS, AND OPTIONAL ACCESSORIES SHALL BE INCLUDED AS SHOWN ON TANK DRAWINGS. THE TANK SHALL BE WATERTIGHT AND TESTED IN THE FIELD AFTER INSTALLATION.
- 1.2. PRODUCT STORAGE. THE SUBSURFACE TANKS SHALL BE CAPABLE OF STORING WINERY PROCESS WATER LIMITED TO THE COLLECTION AND STORAGE OF WINERY PROCESS WASTE.
- 1.3. PIPING. SDR35 PVC PIPE, SCHEDULE 40 PVC PIPE, OR ABS PIPE SHALL BE USED FOR INLET AND OUTLET PIPING AS SHOWN ON DRAWINGS. ALL PIPING SHALL BE FACTORY SEALED TO ENABLE FIELD TIGHTNESS TESTING WITH AT LEAST ONE PIPE OPENING PROVIDED WITH A THREADED FITTING FOR CONNECTING A PRESSURE TEST MANIFOLD.
- 1.4. ACCESS OPENINGS. ALL ACCESS OPENINGS SHALL BE 24 INCHES IN DIAMETER OR LARGER AS SHOWN ON THE PLANS. SHALL BE MANUFACTURED OF FIBERGLASS, CONCRETE OR CAST IRON WITH RESPECT TO SPECIFIED TRAFFIC RATING. LOCATIONS SHALL BE AS SHOWN ON TANK DRAWINGS. EACH MANHOLE SHALL HAVE A WATERTIGHT RISER TO FINISH GRADE.
- 1.5. RISERS. RISERS SHALL BE REQUIRED FOR ACCESS TO INTERNAL VAULTS AND ACCESS INTO THE TANKS FOR PUMPING. ALL RISERS SHALL BE CONSTRUCTED WITH WATERTIGHT SEALS PROVIDED. RISERS SHALL BE A MINIMUM OF 30" IN NOMINAL DIAMETER WHEN THE DEPTH OF BURY IS 36" OR GREATER. TO ENSURE PRODUCT COMPATIBILITY, RISERS, LIDS, AND ATTACHMENT COMPONENTS SHALL BE SUPPLIED BY A SINGLE MANUFACTURER AND, WHERE APPLICABLE, SHALL BE FACTORY EQUIPPED WITH THE FOLLOWING:

1.5.1. ADHESIVE. WHEN BONDING TO THE RISER RINGS, AN EPOXY PROVIDED BY THE MANUFACTURER SHALL BE USED. ADHESIVES AND SEALANTS SHALL BE WATERPROOF, CORROSION RESISTANT, AND APPROVED FOR THE INTENDED APPLICATION. THE RISER-TO-TANK CONNECTION SHALL BE WATERTIGHT AND STRUCTURALLY SOUND. THE RISER-TO-TANK CONNECTION SHALL BE CAPABLE OF WITHSTANDING A VERTICAL UPLIFT OF 5,000 POUNDS TO PREVENT RISER SEPARATION DUE TO TANK SETTLEMENT, FROST HEAVE, AND VEHICLE TRAFFIC OVER THE TANK.

1.5.2. LIDS. ONE LID SHALL BE FURNISHED WITH EACH ACCESS RISER. LIDS OR BASINS/GRATES SHALL BE CORROSION RESISTANT, AND UV RESISTANT. LIDS SHALL FORM A WATERTIGHT SEAL WITH THE TOP OF RISER. TRAFFIC-RATED LIDS SHALL BE CAPABLE OF WITHSTANDING A TRUCK WHEEL LOAD (36 SQUARE INCHES) OF 2500 POUNDS FOR 60 MINUTES WITH A MAXIMUM VERTICAL DEFLECTION OF 1-1/2". GRATES SHALL BE PROVIDED WITH TAMPER-RESISTANT STAINLESS STEEL FASTENERS AND A TOOL FOR FASTENER REMOVAL. TAMPER-RESISTANT FASTENERS INCLUDE RECESSED DRIVES, SUCH AS HEX, TORX, AND SQUARE. FASTENERS THAT CAN BE REMOVED WITH COMMON SCREWDRIVERS, SUCH AS SLOTTED AND PHILLIPS, OR FASTENERS THAT CAN BE REMOVED WITH STANDARD TOOLS, SUCH AS PLIERS OR CRESCENT WRENCHES, ARE NOT CONSIDERED TAMPER-RESISTANT. TO PREVENT A TRIPPING HAZARD, FASTENERS SHALL NOT EXTEND ABOVE THE SURFACE OF THE LID.

1.5.3. RISER INSTALLATION. RISER INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

CONSTRUCTION SPECIFICATIONS

THE CONSTRUCTION OF THE PROJECT SHALL CONFORM TO THE PLANS AND FOLLOWING SPECIFICATIONS. ALL NECESSARY CONSTRUCTION PERMITS SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF ALL SITE WORK.

1. PRECONSTRUCTION CONFERENCE

THE CONTRACTOR SHALL HAVE A PRECONSTRUCTION MEETING WITH THE ENGINEER AND OWNER AT LEAST ONE WEEK PRIOR TO COMMENCEMENT OF SITE WORK. THE ENGINEER SHALL BE CONTACTED 48 HOURS PRIOR TO THE MEETING CONFERENCE. THE MEETING SHOULD BE CONDUCTED TO REVIEW THE DESIGN, MATERIAL, AND CONSTRUCTION SPECIFICATIONS. ALL CONTRACTOR PROPOSED REVISIONS IN THE DESIGN SHALL BE APPROVED BY THE ENGINEER. THE INSTALLATION MUST BE INSPECTED BY THE ENGINEER FOR CONFORMANCE TO THE DESIGN.

2. STAKING

THE CONTRACTOR WILL PROVIDE SUFFICIENT HORIZONTAL AND VERTICAL CONTROL FOR INSTALLATION OF THE WORK AT DATUM POINTS NECESSARY TO ESTABLISH ALIGNMENT AND GRADE. THE PROTECTION AND CARE OF THE STAKES ONCE SET, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

3. EXCAVATION

ALL EXCAVATION WORK SHALL BE MADE TO THE LINES, GRADES AND DIMENSIONS SHOWN IN THE ACCOMPANIED PLANS. EXCAVATIONS SHALL BE PERFORMED IN THE DAY AND IN A MANNER THAT MINIMIZES EROSION, FLOODING AND SEDIMENTATION. EXCAVATED SOILS THAT ARE TO BE STOCKPILED ON-SITE SHALL BE PLACED IN A LOCATION AND MANNER THAT MINIMIZES EROSION AND CONTROLS SEDIMENTATION.

THE CONTRACTOR SHALL TAKE EXTRA PRECAUTION WHERE EXCAVATION EQUIPMENT MAY ENCOUNTER EXISTING UNDERGROUND UTILITIES AND OTHER FACILITIES OF ANY NATURE. CONTRACTOR SHALL PERSON HIS OPERATION IN SUCH A MANNER AND SHALL EXERCISE THE GREATEST OF CARE SO AS NOT TO INJURE IN ANY MANNER EXISTING UNDERGROUND UTILITIES, MAINS OR FACILITIES OF ANY NATURE. SHOULD THE CONTRACTOR INJURE, BREAK OR DAMAGE EXISTING UNDERGROUND UTILITIES, MAINS, OR FACILITIES OF ANY NATURE IN ANY MANNER, THEY SHALL REPAIR THE SAME AT THEIR OWN EXPENSE. IF IT DOES NOT APPEAR FEASIBLE THAT THE CONTRACTOR CAN MAKE NEEDED REPAIRS, THEN SUCH REPAIRS SHALL BE MADE BY THE OWNER AND THE CONTRACTOR SHALL BE CHARGED FOR SUCH REPAIRS.

4. POLLUTION CONTROL

4.1. WATER POLLUTION
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL PERMITTING REQUIREMENTS RELEVANT TO THE CONSTRUCTION OF THE PROJECT ARE MET AT ALL TIMES. ACTIONS BY THE CONTRACTOR, THE SUBCONTRACTORS OR EMPLOYEES THEREOF RESULTING IN NONCOMPLIANCE OF PERMITTING REQUIREMENTS MAY BE GROUNDS FOR TERMINATION OF THIS CONTRACT.

4.2. NOISE POLLUTION
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO KEEP NOISE POLLUTION, DUE TO THESE CONSTRUCTION ACTIVITIES, AS LOW AS POSSIBLE.

4.3. SOIL CONTAMINATION
THE CONTRACTOR SHALL NOT ALLOW REGULATED MATERIALS TO SPILL ON THE PROJECT SITE. ANY SPILLAGE OR REGULATED MATERIALS RESULTING FROM THE CONTRACTOR'S OPERATION SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

4.4. STORAGE OF REGULATED MATERIALS
THE STORAGE AND USE OF ANY REGULATED MATERIALS SHALL MEET ALL REQUIREMENTS OF LOCAL, STATE, AND FEDERAL REGULATORY AGENCIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SATISFY THE REQUIREMENTS OF ANY REGULATORY AGENCY FOR THE STORAGE, MONITORING, USAGE, TRANSPORTATION, SAFETY, REPORTING, OR ANY OTHER REQUIREMENTS REGARDING THE MANAGEMENT OF REGULATED MATERIALS ON AND OFF THE PROJECT SITE.

5. SITE WORK

5.1. MOBILIZATION
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PREPARATORY WORK AND PLACEMENT OF MATERIALS IN A STAGING AREA REQUIRED FOR CONSTRUCTION OPERATIONS INCLUDING, BUT NOT LIMITED TO, THOSE NECESSARY FOR THE MOVEMENT OF PERSONNEL, EQUIPMENT, SUPPLIES, AND INCIDENTALS TO THE PROJECT SITE; FOR THE ESTABLISHMENT OF FACILITIES NECESSARY FOR WORK ON THE PROJECT;

PROVIDING POLLUTION CONTROL MEASURES; AND FOR ALL OTHER WORK AND OPERATIONS WHICH MUST BE PERFORMED.

THE CONTRACTOR SHALL PROVIDE MATERIALS, NOT SPECIFICALLY DESCRIBED BUT REQUIRED FOR PROPER COMPLETION OF THE WORK OF THIS SECTION, AS SELECTED BY THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE COUNTY.

5.2. CLEARING AND GRUBBING
CLEAR THE SITE AS SHOWN ON THE DRAWINGS AND AS SPECIFIED IN THIS SECTION. CLEARING AND GRUBBING SHALL CONSIST OF ALL WORK INCLUDING, BUT NOT LIMITED TO, SALVAGED MATERIALS REMOVAL, PROVIDING AND INSTALLING TEMPORARY EROSION CONTROL, AND PLACEMENT OF TREES, TREE BRANCHES, TREE STUMPS, BRUSH, ROOTS, BOULDERS, SHRUBS, SEDIMENT, AND ALL OBJECTIONABLE MATERIALS IN AN AGREED UPON LOCATION ADJACENT TO THE WORK SITE.

EXAMINE THE AREAS AND CONDITIONS UNDER WHICH THE WORK OF THIS SECTION WILL BE PERFORMED. CORRECT CONDITIONS DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED.

ALL WASTES DISPOSAL SHALL BE CONDUCTED AS FOLLOWS:

- A. REMOVE WASTE FROM CLEARING OPERATIONS.
- B. DISPOSE OF AWAY FROM THE SITE IN A LEGAL MANNER.
- C. DO NOT STORE OR PERMIT DEBRIS TO ACCUMULATE ON THE JOB SITE.
- D. DO NOT BURN DEBRIS AT THE SITE.

6. DELETERIOUS MATERIALS

MATERIALS CONTAINING AN EXCESS OF 5% (BY WEIGHT) OF VEGETATION OR OTHER DELETERIOUS MATTER MAY BE UTILIZED IN AREAS OF LANDSCAPING OR OTHER NON-STRUCTURAL FILLS. DELETERIOUS MATERIAL INCLUDES ALL VEGETATIVE AND NON-MINERAL MATTER, AND ALL NON-REDUCIBLE STONE, RUBBLE AND/OR MINERAL MATTER OF GREATER THAN 6 INCHES.

7. AS-BUILT DRAWINGS

THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A SET OF AS-BUILT DRAWINGS OF THE LAYOUT AND CONSTRUCTION OF THE SYSTEM.

8. OTHER ITEMS

ANY PROCEDURES NOT NOTED OR INCLUDED IN THE ENGINEERING PLANS OR SPECIFICATIONS SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO IMPLEMENTATION.

EROSION CONTROL NOTES:

GENERAL. THE CONTRACTOR SHALL INSTALL, MAINTAIN AND INSPECT EROSION CONTROL AND TEMPORARY STORMWATER CONTROL MEASURES TO CONTROL SEDIMENT AND RUNOFF IN ACCORDANCE WITH THESE PLANS AND THE LOCAL JURISDICTION.

1.1. THE CONSTRUCTION OF THIS PROJECT IS NOT EXPECTED TO OCCUR DURING THE WINTER SEASON (OCTOBER 15TH THROUGH APRIL 15TH).

1.2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL BMP INSTALLATION AND MAINTENANCE.

1.3. ALL GRADING SHALL CONFORM TO THE LOCAL GRADING ORDINANCE, EROSION CONTROL ORDINANCES, AND CALIFORNIA BUILDING CODE.

1.4. ALL DISTURBED SURFACES SHALL BE PREPARED AND MAINTAINED TO CONTROL EROSION AND TO ESTABLISH NATIVE OR NATURALIZED VEGETATIVE GROWTH COMPATIBLE WITH THE AREA. THIS CONTROL SHALL CONSIST OF: A. EFFECT TEMPORARY PLANTING SUCH AS RYE GRASS, SOME OTHER FAST-GERMINATION SEED, AND MULCHING WITH STRAW AND/OR OTHER SLOPE STABILIZATION MATERIAL; B) PERMANENT PLANTING OF NATIVE OR NATURALIZED DROUGHT RESISTANT SPECIES OF SHRUBS, TREES, OR OTHER VEGETATION, PURSUANT TO THE COUNTY'S LANDSCAPE CRITERIA, WHEN THE PROJECT IS COMPLETED; C) MULCHING, FERTILIZING, WATERING OR OTHER METHODS MAY BE REQUIRED TO ESTABLISH NEW VEGETATION, ON SLOPES LESS THAN 20%, TOPSOIL SHOULD BE STOCKPILED AND REAPPLIED.

SEED AND MULCH. ALL AREAS ON- AND OFF-SITE EXPOSED DURING CONSTRUCTION ACTIVITIES, IF NOT PERMANENTLY LANDSCAPED PER PLAN, SHALL BE PROTECTED BY MULCHING AND/OR HAND BROADCASTING OF THE FOLLOWING STERIL, WEED FREE, SEED MIX AND INCORPORATED OVER ALL DISTURBED SLOPES:

BROMUS CARINATUS 10#/ACRE
LEYMUS TRITICOIDES 8#/AC.
HORDEUM BRACHYANTHERUM 5#/AC.
FESTUCA RUBRA 8#/AC.
DESCHAMPSIA CESPITOSA 8#/AC.

THE MIX/APPLICATION SHALL ONLY CONTAIN ALL ORGANIC ADDITIVES APPROVED BY THE PROPERTY OWNER AND PROJECT ENGINEER OR BIOLOGIST

ALL EXCAVATED MATERIAL SHALL BE REMOVED TO AN APPROVED DISPOSAL SITE OR DISPOSED OF ON-SITE IN A MANNER THAT WILL NOT CAUSE EROSION.

CONCRETE WASHOUT. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE LOCATED A MINIMUM OF 50 FEET FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES, AND WATERCOURSES. THE CONCRETE WASHOUT FACILITY SHALL BE BELOW GRADE AND CONSTRUCTED WITH A MINIMUM LENGTH AND MINIMUM WIDTH OF 10 FEET. TEMPORARY CONCRETE FACILITIES SHALL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. THE WASHOUT SHALL HAVE A 10 MIL POLYETHYLENE PLASTIC LINER. WHEN CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE AND MATERIALS FOR THE WASHOUT SHALL BE REMOVED AND DISPOSED OF. HOLES, DEPRESSIONS, OR OTHER GROUND DISTURBANCES CAUSED BY THE REMOVAL OF THE CONCRETE WASHOUT SHOULD BE BACKFILLED AND REPAIRED.

OTHER PROVISIONS. IF CONSTRUCTION OCCURS BETWEEN OCTOBER 15TH AND APRIL 15TH, EXPOSED SOIL NOT INVOLVED IN IMMEDIATE CONSTRUCTION ACTIVITY SHALL BE PROTECTED FROM EROSION AT ALL TIMES. AFTER APRIL 15TH, EROSION CONTROL MEASURES SHALL BE IN PLACE DURING INCLEMENT WEATHER.

EROSION CONTROL MEASURES SHALL BE KEPT IN PLACE BY THE CONTRACTOR UNTIL NATIVE VEGETATION HAS BEEN ESTABLISHED AND PROVIDES NECESSARY SLOPE COVER (MINIMUM 70% COVER).

WASTEWATER SYSTEM SPECIFICATIONS

FLOREZ AND MARGINS SITE
IMPROVEMENT PROJECT
2487 FREEDOM BLVD.,
WATSONVILLE, CA
APN: 049-181-29

CLIENT
MARGINS WINE
MEGAN BELL
MEGAN@MARGINSWINE.COM
(925) 413-2854
FLOREZ WINES
JAMES JELKS
JAMES@FLOREZWINES.COM
(530) 760-5140

MYER ENGINEERING, INC.
Civil Engineering Consulting Services
PAUL MYER, MS, PE
1796 LAUREL GLEN RD.
SOQUEL, CA 95073
(831) 800-2244
paul@myerengineering.com



Drawn By PEM	Checked By PEM
Project No. 202004	Scale AS SHOWN
Date MARCH 2020	
Sheet No.	

WW4
4 OF 4

No.	Revision/Issue	Date

