



DEPARTMENT OF PLANNING AND BUILDING

THIS IS A NEW PROJECT REFERRAL

DATE: 10/30/2013

TO: _____

FROM: Airlin Singewald – North County Team / Development Review

PROJECT DESCRIPTION: PMT2012-02397 RAVA - The proposed project is a request by Chad Rava for a major grading permit to construct an 8.5 acre-foot frost protection reservoir for an existing 190-acre vineyard. The proposed project would result in approximately 1.4 acres of disturbance and 12,839 cubic yards of cut and fill on a 192-acre parcel. Site location is Hwy 41, Shandon. APN: 017-251-018.

Return this letter with your comments attached no later than: 14 days from receipt of this referral. CACs please respond within 60 days. Thank you.

PART 1 - IS THE ATTACHED INFORMATION ADEQUATE TO COMPLETE YOUR REVIEW?

- YES (Please go on to PART II.)
- NO (Call me ASAP to discuss what else you need. We have only 10 days in which we must obtain comments from outside agencies.)

PART II - ARE THERE SIGNIFICANT CONCERNS, PROBLEMS OR IMPACTS IN YOUR AREA OF REVIEW?

- YES (Please describe impacts, along with recommended mitigation measures to reduce the impacts to less-than-significant levels, and attach to this letter)
- NO (Please go on to PART III)

PART III - INDICATE YOUR RECOMMENDATION FOR FINAL ACTION.

Please attach any conditions of approval you recommend to be incorporated into the project's approval, or state reasons for recommending denial.

IF YOU HAVE "NO COMMENT," PLEASE SO INDICATE, OR CALL.

Date

Name

Phone



CONSTRUCTION F

SAN LUIS OBISPO COUNTY DEPARTMENT
976 OSOS STREET • ROOM 200 • SAN LUIS OBISPO, CA 93423

Promoting the Wise Use of Land • Helping to Build Great Communities

Case: PMT2012-02397

RAVA CHAD J

Project:

APN: 017-251-018

Grading Major - over 10% slope or > 5000 cu yds

MAJOR GRADING FOR POND FOR FROST PROTECTION

01500 SHANDON HY RSHCA

APPLICANT / AGENT / CONTRACTOR / ARCHITECT INFORMATION (check box for contact person)

Landowner Name CHAD RAVA Daytime Phone: (805) 296-8818

Mailing Address P.O. BOX 1531 City: PASO ROBLES, CA Zip: 93447

Agent ROBERT C. TARTAGLIA Daytime Phone: (805) 391-3661

Mailing Address P.O. BOX 1930 City: ATASCADERO, CA Zip: 93423

Contractor _____ Daytime Phone: _____

Mailing Address _____ City: _____ License #: _____

Architect/Designer/Engineer ROBERT C. TARTAGLIA Daytime Phone: (805) 391-3661

Mailing Address P.O. BOX 1930 City: ATASCADERO, CA License #: RCE 24084

E-mail address for Owner Agent Architect Engineer (check one) robert@tartaglia-engineering.com

PROPERTY INFORMATION

Assessor Parcel Number(s): 017-251-018 Total Size of Lot: 192 ac.

Address of the project (if known): HWY. 41, SHANDON, CA

Directions to the site - describe first with name of road providing primary access to the site, then nearest roads, landmarks, etc.:

P. ROBLES, EAST ON 46, 15.2 MI. TO 41, E. ON 41, 1.0 MI, SO. ON 41, 1.45 MI., W. ON DWY. 0.25 MI.

Describe current uses, existing structures, and other improvements and vegetation on the property: _____

GRAPE VINEYARD, NO STRUCTURES

TYPE OF PROJECT (check all that apply)

All New Addition Alteration Repair Demolish Moved Building Grading Barn Garage

Single Family Dwelling Multi-Family Dwelling Mobile Home Commercial Industrial Sign

Describe the scope of work for this project: CONSTRUCT A FROST PROTECTION POND IN THE MIDDLE OF A VINEYARD

SIZE OF PROJECT

Residence _____ sq. ft. Garage _____ sq. ft. Carport _____ sq. ft. Covered Porch _____ sq. ft.

Storage _____ sq. ft. Deck _____ sq. ft. Barn _____ sq. ft. Commercial _____ sq. ft. Other _____ sq. ft.

Number of: Bedrooms _____ Bathrooms _____ Stories _____

Height of: Roof above average grade _____ Retaining/Garden Wall _____ Length of Wall _____

Occupancy Group: _____ Construction Type: _____

GRADING No Yes Maximum Depth of: Cut 10' Fill 6'

Quantity in Cubic Yards: Cut 8,388 c.y. Fill: 4,451 c.y. Total 12,389 c.y. (cut plus fill)

Percent Slope of Natural Grade: 1.3 % Total Area of Site Disturbance 1.4 AC.

UTILITIES

Water: Well Public - agency or company responsible for water provision: _____

Fuel Gas: LPG Natural Gas Pool Heating: LPG Natural Gas N/A

Sewage Disposal: Private Public - agency or company responsible for sewage disposal N/A

Fire Jurisdiction: CAL FIRE *Fire Hazard Zone _____

*Contact Cal Fire at (805) 543-4244 to find out the Fire Hazard Zone for the property. If the property is located in a Fire Hazard Zone, see the Fire Resistant Construction Requirements handout.

TYPE OF CONSTRUCTION

Foundation: Slab Perimeter & Piers Pole Other _____
Framework: Wood Stud Masonry/Concrete Metal Timber Other _____
Exterior: Stucco Plywood Board Stone Veneer Brick Veneer
 Metal Hardy Board Other _____
Roof: Pitch: _____ Material: Tile Built-up Comp Comp Shingle Metal Other _____

ENERGY INFORMATION

Energy Credit: Yes, exceeds _____% If your project exceeds the California Energy Code requirements by 15% or more, you may receive a fee credit of 25% of the building inspection fee up to a maximum of \$250.

MOVED BUILDING

If you are proposing to move a building, provide the following information.

Existing Location NONE Community SHANDON AREA

MANUFACTURED HOUSING

If you are proposing to use manufactured housing, provide the following information.

Manufacturer N/A Year _____ Length _____ Width _____
Serial Numbers _____ HCD or HUD Label number _____

WASTE MANAGEMENT - RECYCLING PLAN

Please review the **Explanation of Choices** information provided on a separate flyer that is available in the Public Works Department and then check the box that fits your project.

Are you planning to

- A) use an Integrated Waste Management Authority (IWMA)-certified construction and demolition waste recycling facility? or
- B) use other recycling and disposal facilities?

LEGAL DECLARATION FOR WASTE MANAGEMENT / RECYCLING PLAN

By signing below I acknowledge the responsibility for recycling my project's waste and the penalty for non-compliance. I agree to comply with the requirements of the County Construction & Demolition Debris Recycling Ordinance and demonstrate compliance by providing receipts to verify recycling.

BY MY SIGNATURE BELOW, I CERTIFY TO EACH OF THE FOLLOWING:

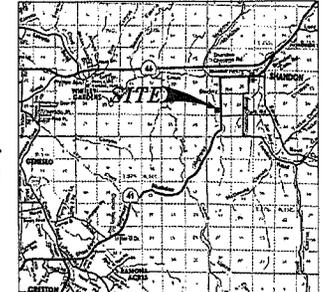
- I am the property owner, contractor or authorized to act on the property owner's behalf.*
- I have read this application, declaration/disclosure forms and the information I have provided is correct.
- I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
- I authorize representatives of this city or county to enter the above-identified property for inspection purposes.
- Your construction permit application is public record and is therefore published on the weekly reports within the San Luis Obispo County Planning and Building Department's website as well as the public information area. All references to names, addresses, telephone numbers and project information will be part of this public record. All applications must be filed under the property owner's name and address; however, you may use an alternate contact address and telephone number.
- If you do not pick up your permit within one year of application, it will expire. An extension of 180 days may be granted upon written request.

ROBERT C. TARTAGLIA JUNE 20, 2013
Print Name of Owner / Authorized Agent/ Contractor Date
Robert C. Tartaglia 6/20/13
Signature of Owner / Authorized Agent/ Contractor Date

Note: When the Permit Application and the Owner-Builder Declaration have been executed by a person other than the property owner prior to issuing the permit, the "Authorization of Agent to Act on Property Owner's Behalf" form shall be completed by the property owner and returned to the agency responsible for issuing the permit.

* The property owner is required to complete and sign the NOTICE TO PROPERTY OWNER form and furnish a copy of their driver's license to verify signature. (Not needed if licensed contractor)

RAVA VINEYARDS - FROST PROTECTION POND



VICINITY MAP
(NO SCALE)

SCOPE OF WORK

THE PURPOSE OF THIS PROJECT IS TO CONSTRUCT AN AGRICULTURAL STORAGE RESERVOIR FOR THE PURPOSES OF FROST PROTECTION ON THE CHAD RAVA VINEYARDS. THE POND IS DESIGNED FOR A 0.5 ACRE-FOOT CAPACITY. THE WATER DEPTH IS 13.0 FEET UNDER THE FREEBOARD. NO UTILITIES ARE PROPOSED FOR THIS PROJECT UNDER THIS POND.

THE PROJECT CONSTRUCTION IS EXPECTED TO COMMENCE ON JULY 1, 2013 AND IS SCHEDULED FOR COMPLETION BY JULY 30, 2013.

PROJECT BENCHMARK

THE BENCHMARK FOR THIS PROJECT IS CONTROL POINT NO. 1, LOCATED AT THE END OF THE SECOND WINE ROW AT THE NORTHWEST CORNER OF THE PROJECT. THE BASIS OF ELEVATIONS IS THE USCGS QUAD MAP "SHANDON", ELEV.=115300

PROJECT INFORMATION

OWNER: CHAD RAVA
CHAD RAVA VINEYARDS
P.O. BOX 153
PASO ROBLES, CA 93447
(805) 296-8818

APN: 017-251-018

PROJECT: CONSTRUCTION OF A 0.5 A-F FROST PROTECTION POND FOR THE PURPOSES OF PROVIDING FROST PROTECTION.

CALIFORNIA BUILDING CODE - TABLE 1704.7

REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	---	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	---	X
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	---	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	X	---
5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	---	X

COUNTY GENERAL NOTES:

- NO CONSTRUCTION SHALL BE STARTED WITHOUT PLANS APPROVED BY THE COUNTY PLANNING DEPARTMENT AND DEPARTMENT OF PUBLIC WORKS. THE PLANNING DEPARTMENT SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND THE TIME AND LOCATION SET FOR THE PRECONSTRUCTION CONFERENCE. ANY CONSTRUCTION PERFORMED WITHOUT APPROVED PLANS WILL BE REJECTED AND WILL BE AT THE CONTRACTOR'S AND/OR OWNER'S RISK.
- ALL CONSTRUCTION WORK AND INSTALLATIONS SHALL CONFORM TO THE COUNTY OF SAN LUIS OBISPO STANDARDS AND SPECIFICATIONS, THE STATE SPECIFICATIONS AND THESE PLANS, AND ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE DEPARTMENT OF PUBLIC WORKS.
- STATE SPECIFICATIONS SHALL MEAN THE STANDARD SPECIFICATIONS OF THE BUSINESS AND TRANSPORTATION AGENCY, DEPARTMENT OF TRANSPORTATION, STATE OF CALIFORNIA CURRENTLY IN EFFECT ON THE DATE OF COMMENCEMENT OF WORK, WHERE THE TERMS "STATE" OR "ENGINEER" ARE USED IN THE STATE SPECIFICATIONS, THEY SHALL BE CONSIDERED AS MEANING THE "COUNTY" OR "ENGINEER". WHERE THE TERM "COUNTY" IS USED HEREIN, IT SHALL MEAN EITHER THE SAN LUIS OBISPO COUNTY PUBLIC WORKS DEPARTMENT OR THE SAN LUIS OBISPO COUNTY PLANNING AND BUILDING DEPARTMENT.
- SOILS TESTS SHALL BE DONE IN ACCORDANCE WITH THE COUNTY STANDARDS AND SPECIFICATION SECTIONS 11-331.403 AND SECTION 11.331-164 AND THE REQUIREMENTS AS SET FORTH HEREIN. ALL TESTS MUST BE MADE WITHIN 15 DAYS PRIOR TO THE PLACING OF MATERIAL. THE TEST RESULTS SHALL CLEARLY INDICATE THE LOCATION AND SOURCE OF MATERIAL.
- COMPACTION TESTS SHALL BE MADE ON EMBANKMENT CONSTRUCTION AND OTHER MATERIAL AS SPECIFIED BY THE ENGINEER. SAID TESTS SHALL BE MADE PRIOR TO THE PLACING OF THE NEXT MATERIAL.
- EMBANKMENT MATERIAL SHALL BE COMPACTED TO THE REQUIREMENTS AS SET FORTH IN THESE PLANS.
- A REGISTERED CIVIL ENGINEER SHALL CERTIFY THAT THE IMPROVEMENTS WHEN COMPLETED ARE IN ACCORDANCE WITH THE PLANS PRIOR TO THE REQUEST FOR A FINAL INSPECTION. AS-BUILT PLANS ARE TO BE PREPARED AFTER CONSTRUCTION IS COMPLETED. THE CIVIL ENGINEER CERTIFYING THE IMPROVEMENTS AND PREPARING AS-BUILT PLANS WILL BE PRESENT WHEN THE FINAL INSPECTION IS MADE.
- AN INSPECTION AGREEMENT IS REQUIRED PRIOR TO THE START OF CONSTRUCTION.
- THE COUNTY INSPECTOR ACTING ON BEHALF OF THE COUNTY DEPARTMENT OF PLANNING AND BUILDING MAY REQUIRE REVISIONS IN THE PLANS TO SOLVE UNFORESEEN PROBLEMS THAT MAY ARISE IN THE FIELD. ALL REVISIONS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER.
- IF ENVIRONMENTAL PERMITS FROM THE U.S. ARMY CORPS OF ENGINEERS, THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD/STATE WATER RESOURCES CONTROL BOARD, OR THE CALIFORNIA DEPARTMENT OF FISH & GAME ARE REQUIRED, THE OWNER SHALL:
 - SUBMIT A COPY OF ALL SUCH COMPLETED PERMITS TO THE COUNTY DEPARTMENT OF PUBLIC WORKS OR,
 - DOCUMENT THAT THE REGULATORY AGENCIES DETERMINED THAT SAID PERMIT IS NOT REQUIRED;
- PRIOR TO ACCEPTANCE OF THE COMPLETED IMPROVEMENTS FOR COUNTY MAINTENANCE AND RELEASE OF IMPROVEMENT SECURITY, ANY MITIGATION MONITORING REQUIRED BY SAID PERMITS WILL REMAIN THE RESPONSIBILITY OF THE OWNER.
- ALL PROJECTS INVOLVING SITE DISTURBANCE OF ONE ACRE OR GREATER SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES). THE OWNER SHALL SUBMIT A NOTICE OF INTENT (NOI) TO COMPLY WITH THE GENERAL PERMIT FOR CONSTRUCTION ACTIVITY WITH THE REGIONAL WATER QUALITY CONTROL BOARD (RWQCB). THE OWNER SHALL PROVIDE THE COUNTY WITH THE WASTE DISCHARGE IDENTIFICATION NUMBER (WDID) OR WITH VERIFICATION THAT AN EXEMPTION HAS BEEN GRANTED BY RWQCB.
- WQD # (DL RECD035)
- IT SHALL BE THE OWNER'S RESPONSIBILITY TO OBTAIN ALL PERMITS AND PAY ALL FEES NECESSARY FOR THE CONSTRUCTION OF IMPROVEMENTS SHOWN ON THESE PLANS. THE ENGINEER OR CONTRACTOR WILL NOT BE RESPONSIBLE FOR OBTAINING PERMITS.
- THERE ARE UTILITIES THAT EXIST WITHIN THE PROJECT AREA. THE UTILITIES CONSIST OF IRRIGATION LINES, ELECTRICAL LINES AND CONTROL LINES. THE CONTRACTOR SHALL TAKE WHATEVER MEANS ARE NECESSARY TO INSURE THAT THEY ARE PROTECTED DURING CONSTRUCTION. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER TO DETERMINE THE LOCATION OF ALL UTILITIES.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO THE NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE COUNTY AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE ENGINEER.
- DEVIATIONS IN THE CONSTRUCTION WORK FROM THE ENGINEER'S DESIGN WITHOUT WRITTEN APPROVAL OF SUCH DEVIATION FROM THE ENGINEER SHALL SERVE TO RELIEVE THE ENGINEER FROM RESPONSIBILITY AND LIABILITY FROM THE RESULTS OF SUCH DEVIATIONS.
- INSPECTION BY THE COUNTY AND/OR CALTRANS OR THEIR AUTHORIZED AGENT SHALL BE REQUESTED BY THE OWNER OR CONTRACTOR IMMEDIATELY PRIOR TO COMMENCING AND IMMEDIATELY AFTER THE COMPLETION OF EACH PHASE OF CONSTRUCTION.
- THE OWNER DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF ANY DATA SHOWN ON THE PLANS RELATIVE TO THE LOCATIONS, SIZES, DIMENSIONS, DEPTHS AND CHARACTER OF PIPES, CONDUITS, POLES OR ANY OTHER STRUCTURES OR UTILITIES LOCATED ABOVE OR UNDERGROUND.
- FINAL REPORTS FOR GRADING AND EARTHWORK SHALL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE UNIFORM BUILDING CODE, APPENDIX CHAPTER 33, THESE SPECIFICATIONS OR AS AMENDED BY THE COUNTY.
- UPON THE COMPLETION OF ALL PROJECT WORK, THE GEOLOGICAL ENGINEER SHALL SUBMIT TO THE DESIGN ENGINEER A COMPLETE SUMMARY (REPORT) OF ALL TESTING PERFORMED DURING CONSTRUCTION. IT SHALL BE THE OWNER'S RESPONSIBILITY TO RETAIN THE SERVICES OF THE GEOLOGICAL ENGINEER TO OVERSEE AND PERFORM THE REQUIRED TESTS DURING THE CONSTRUCTION PHASE OF THE PROJECT.
- THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN A CURRENT, COMPLETE AND ACCURATE RECORD OF ALL CHANGES WHICH DEViate FROM THE CONSTRUCTION AS PROVIDED IN THESE PLANS AND SPECIFICATIONS FOR THE PURPOSES OF PROVIDING THE ENGINEER WITH A BASIS FOR THE PREPARATION OF RECORD DRAWINGS. NO CHANGES SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE COUNTY PUBLIC WORKS DEPARTMENT, COUNTY PLANNING DEPARTMENT AND THE DESIGN ENGINEER.
- IN THE EVENT THAT THE CONTRACTOR NOTICES IRREGULARITIES IN THE LINE OR GRADE, HE SHALL BRING IT TO THE IMMEDIATE ATTENTION OF THE DESIGN ENGINEER AND THE COUNTY PUBLIC WORKS DEPARTMENT. IF HE FAILS TO DO SO, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ERROR IN THE GRADE AND NECESSARY RECONSTRUCTION TO CORRECT SUCH ERROR.
- CONSTRUCTION GRADE STAKES SHALL BE SET BY A REGISTERED CIVIL ENGINEER OR A LICENSED LAND SURVEYOR REGISTERED IN THE STATE OF CALIFORNIA.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE RECYCLE REQUIREMENTS OF THE COUNTY. AT THE END OF THE PROJECT THE OWNER SHALL SUBMIT RECEIPTS FROM THE RECYCLING FACILITY THAT RECEIVED WASTE FROM THE PROJECT. IF HE/SHE USED THE COLD CANYON LANDFILL, CHICAGO GRADE LANDFILL, OR THE PASO ROBLES LANDFILL THE RECEIPT SHALL INDICATE THAT THE C&D RECYCLING AREA WAS USED. THE RECEIPTS SHALL BE SUBMITTED 7 WORKING DAYS BEFORE FINAL BUILDING INSPECTION. FAILURE TO SUBMIT RECEIPTS COULD RESULT IN DELAYS IN RECEIVING FINAL INSPECTION APPROVAL.

CONSTRUCTION NOTES:

- ALL GRADING AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AND ADOPTED ORDINANCES OF THE COUNTY OF SAN LUIS OBISPO INCLUDING THE UNIFORM BUILDING CODE (CURRENT EDITION), THE CALIFORNIA BUILDING CODE (CURRENT EDITION) AND THE STATE STANDARD SPECIFICATIONS (SEC. 14) AND THESE PLANS AND SPECIFICATIONS.
- ALL CONTACT SURFACES BETWEEN ORIGINAL GROUND AND COMPACTED FILL MATERIAL SHALL BE EITHER HORIZONTAL OR VERTICAL. PER SECTION 18 OF THE CALTRANS STANDARD SPECIFICATIONS, CURRENT EDITION.
- FILL MATERIAL SHALL BE SPREAD IN LIFTS OF APPROXIMATELY 6 INCHES, MOISTENED OR DRIED TO NEAR OPTIMAL MOISTURE CONTENT AND RECOMPACTED TO THE MINIMUM COMPACTION REQUIREMENTS AS SPECIFIED HEREIN. THE MATERIALS FOR ENGINEERED FILL SHALL BE APPROVED BY A REGISTERED CIVIL ENGINEER. ANY IMPORTED MATERIALS MUST BE APPROVED BEFORE BEING BROUGHT TO THE SITE. THE MATERIALS USED SHALL BE FREE OF ORGANIC MATTER AND OTHER DELETERIOUS MATERIALS.
- FIELD DENSITY TESTS SHALL BE MADE UNDER THE DIRECTION OF A REGISTERED CIVIL ENGINEER ON EACH COMPACTED LAYER. AT LEAST ONE (1) TEST SHALL BE MADE FOR EACH FIVE HUNDRED (500) CUBIC YARDS OR A FRACTION THEREOF PLACED WITH A MINIMUM OF TWO (2) TESTS PER LAYER IN ISOLATED AREAS OR AS DIRECTED BY THE COUNTY'S CONSTRUCTION INSPECTOR OR THE PROJECT ENGINEER.
- THE ENGINEER OF WORK MAY REQUIRE EROSION CONTROL DEVICE INSTALLATIONS WITHIN THE PROJECT VICINITY. EROSION CONTROL DEVICES AND STORM WATER CONTROL DEVICES SHALL NOT BE MOOVED WITHOUT THE APPROVAL OF THE ENGINEER.
ALL PROTECTIVE DEVICES DIRECTED TO BE INSTALLED BY THE ENGINEER SHALL BE IN PLACE AT THE END OF EACH WORK DAY WHEN THE FIVE DAY RAIN PROBABILITY EXCEEDS 40%.
AFTER A RAINSTORM ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS AND SEDIMENTATION BASINS AND BASINS SHALL BE PUMPED DRY.
- DUST CONTROL SHALL BE MAINTAINED BY AN APPROPRIATE MOISTURE CONTENT AT ALL TIMES UPON COMMENCEMENT OF WORK, INCLUDING PERIODS OF SUSPENSION OF WORK, UNTIL FINAL ACCEPTANCE OF THE PROJECT BY THE COUNTY AND RECOMMENDED APPROVAL BY THE PROJECT ENGINEER.
- CLEARING AND GRUBBING SHALL BE PERFORMED FOR ALL PROJECT RELATED WORK AND SHALL CONSIST OF REMOVING AND DISPOSING OF ALL GRASS, TREES, BUSHES, STUMPS, FENCES, AND ANY OTHER OBSTACLES WITHIN THE LIMITS AS INDICATED ON THE PLANS FOR REMOVAL. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL STUMPS, ROOTS, SUBSURFACE STRUCTURES AND ANY OBSTACLES MATERIAL TO A DEPTH NECESSARY FOR THE COMPLETE REMOVAL. ALL OBSTACLES MATERIAL SHALL BE REMOVED AND DISPOSED OFF THE PROJECT SITE.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-1.11 "PRESERVATION OF PROPERTY" AND SECTION 7-1.12 "RESPONSIBILITY FOR DAMAGE" OF THE STATE SPECIFICATIONS. EXISTING SITE IMPROVEMENTS, ON-SITE FACILITIES, UTILITIES, TREES AND PLANTS THAT ARE NOT TO BE REMOVED SHALL BE PROTECTED FROM INJURY OR DAMAGE RESULTING FROM THE CONTRACTOR'S OPERATIONS.
- ALL IMPROVEMENTS, EXCAVATION AND GRADING OF FACILITIES SHALL BE CONSTRUCTED AS SHOWN ON THESE PLANS AND IN ACCORDANCE WITH THE COUNTY OF SAN LUIS OBISPO STANDARD SPECIFICATIONS AND DRAWINGS WHICH INCLUDE BY REFERENCE THE "STATE SPECIFICATIONS AND STANDARD PLANS" OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION CURRENTLY IN EFFECT AND THE COUNTY OF SAN LUIS OBISPO GRADING AND DRAINAGE REQUIREMENTS.
- EXCAVATION FOR THE PROPOSED DRIVEWAY CONSTRUCTION SHALL CONSIST OF ALL EXCAVATION INVOLVED IN GRADING AND CONSTRUCTING THE DRIVEWAY IN THE MANNER SHOWN ON THE PLANS AND SHALL INCLUDE EXCAVATION AND EMBANKMENT NECESSARY TO BRING THE BASEMENT MATERIAL TO THE GRADES SHOWN ON THE PLANS.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 10-6 OF THE STATE SPECIFICATIONS REGARDING EMBANKMENTS CONSTRUCTED ON HILLSIDES (SLOPES 5:1 OR STEEPER), EXCEPT THAT THE EXISTING SLOPES SHALL BE CUT INTO THE NATURAL SLOPE A MINIMUM DISTANCE OF 10 FEET HORIZONTALLY AS THE WORK IS BROUGHT UP IN LAYERS.
- WATERING FOR ALL CONSTRUCTION WORK SHALL CONFORM TO THE PROVISIONS OF SECTION 17 OF THE STATE STANDARD SPECIFICATIONS AND THESE SPECIFICATIONS. THE CONTRACTOR SHALL FURNISH ALL EQUIPMENT NECESSARY TO APPLY WATER AS REQUIRED FOR THE COMPLETION OF THE VARIOUS ITEMS OF WORK INCLUDING DUST CONTROL DURING CONSTRUCTION. WATER SHALL BE APPLIED AT THE LOCATION, IN THE AMOUNT AND DURING THE HOURS AS DIRECTED BY THE COUNTY'S AUTHORIZED REPRESENTATIVE.
- EARTHWORK QUANTITIES:
EXCAVATION: 8,988 CU. YD.
EMBANKMENT: 4,491 CU. YD.
- THE QUANTITIES LISTED ARE "IN-PLACE" VOLUMES AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO TAKE INTO ACCOUNT LOSSES DUE TO SPRINGING, SOIL LOSS IN CLEARING AND GRUBBING AND SOIL LOSSES IN OTHER CONSTRUCTION OPERATIONS.
- AREA OF DISTURBANCE: 60,980 SQ. FT. (1.4 AC)
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "UNDERGROUND SERVICE ALERT" 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO LOCATE ALL EXISTING UTILITIES WITHIN THE PROJECT AREA.
- ALL WORK SHALL COMPLY WITH THE USDA - NATURAL RESOURCES CONSERVATION SERVICE (NRCS) SPECIFICATIONS AND SPECIAL PROVISIONS:
-POND CODE 578 AND NRCS TR-69
-CRITICAL AREA TREATMENT CODE 342, 342A AND 342B.
THE NRCS CODES ARE INCORPORATED HEREIN BY REFERENCE AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIM/HER SELF WITH THE CODES.
(FOR ADDITIONAL CONSTRUCTION NOTES, SEE PLAN SHEET NO. 3)

SHEET INDEX

- FRONT SHEET, NOTES & TITLE
- IRRIGATION POND GRADING PLAN
- EROSION NOTES AND DETAILS

UNDERGROUND SERVICE ALERT
DIAL 811
TWO WORKING DAYS BEFORE YOU DIG

CHAD RAVA VINEYARDS

SHANDON, CA

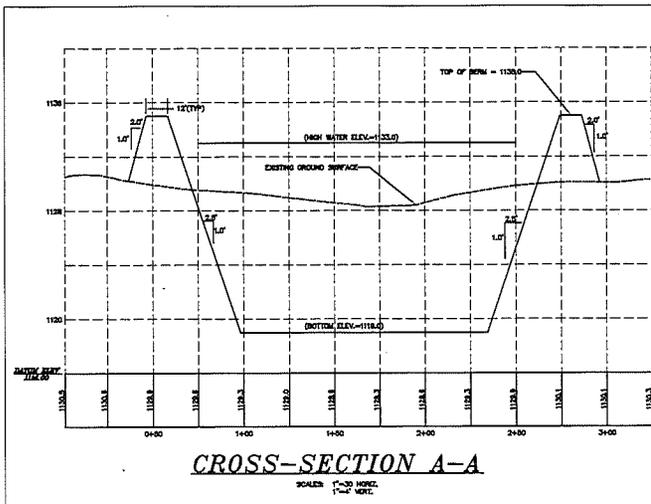
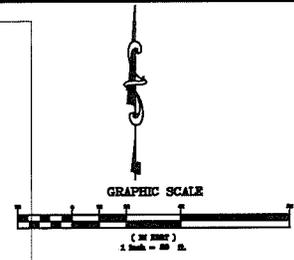
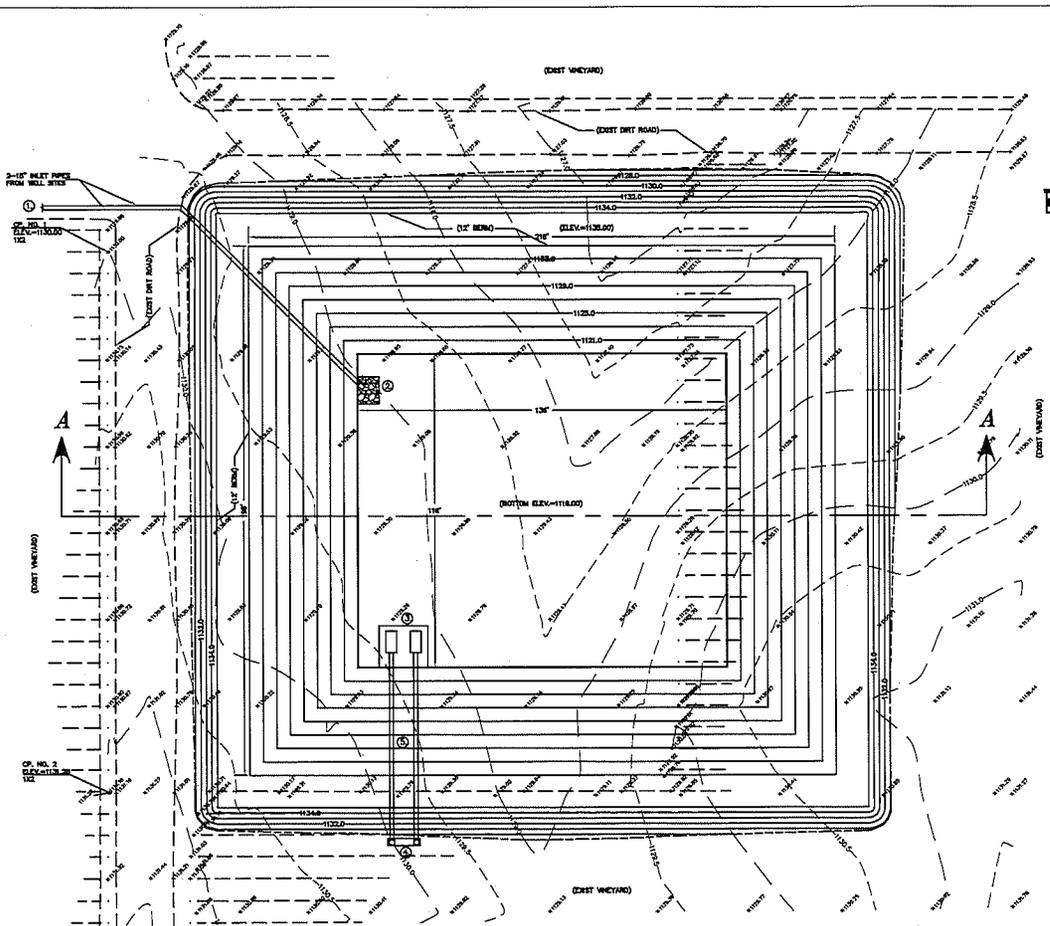
REV.	DESCRIPTION	DATE	APP.
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10			

TARTAGLIA ENGINEERING
CIVIL ENGINEERS
1700 E. CENTER STREET, SUITE 100, ANDERSON, CA 95422
916-294-1995 FAX: 916-294-0271

CHAD RAVA

TARTAGLIA ENGINEERING
RAVA VINEYARDS FROST PROTECTION POND
GRADING AND DRAINAGE PLAN

DESIGN/DATE	COUNTY PLAN CHECK	APPROVED FOR COUNTY REGISTRATION
RCT/10E		
JOB NO.	COUNTY NO. NO.	DATE
11-09		
CALIFORNIA COORDINATES	E 1282	SHEET # 1 OF 3
N 784		



- NOTES:**
- ① 1 1/2" PVC PIPES FROM WELL SITES
 - ② 12X12" ROCK RB-RAP SPLASH PAD, 12" ROCK
 - ③ SUCTION INLET STRUCTURE AND METAL PROTECTION CAGE
 - ④ OUTLET PUMPING EQUIPMENT, SIZE AND TYPE TO BE DETERMINED BY PUMP MANUFACTURER.
 - ⑤ SUCTION DISCHARGE PIPES, MATERIAL AND SIZE TO BE DETERMINED BY PUMP MANUFACTURER.
 6. ANY ELECTRICAL WORK OR INSTALLATION SHALL BE INCLUDED UNDER A SEPARATE PERMIT.

Company database projects 311-209 Ave. Irrigation Road, Inc. 10/29/2013 4:45:46 PM, Adobe PDF, pc

UNDERGROUND SERVICE ALERT
DIAL 811
TWO WORKING DAYS
BEFORE YOU DIG

POND GRADING PLAN

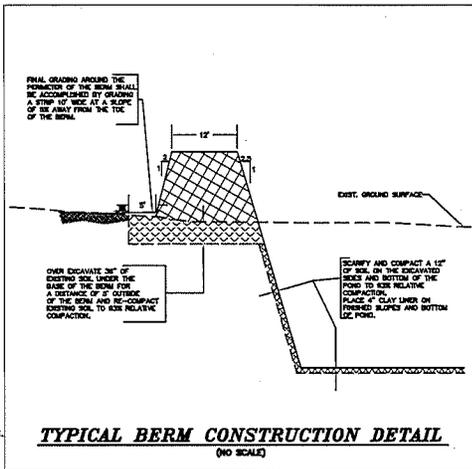
SHANDON, CA

REV.	DESCRIPTION	DATE	APP.
A			

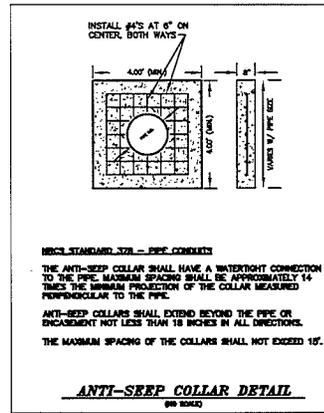
TARTAGLIA ENGINEERING
CIVIL ENGINEERS
1704 EL CERRILLO PARK DRIVE, SHANDON, CA 94582
INTERNATIONAL PAID, INCORPORATED

CHAD RAVA

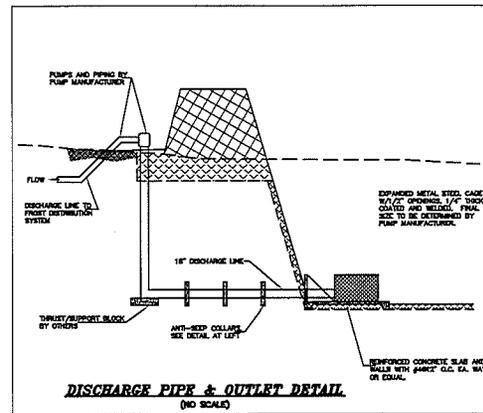
DESIGN	REV.
DRAWN	REV.
CHECKED	REV.
SCALE	1" = 20'
DRAWING NO.	13-08
DATE	8/26/13
SHEET	1



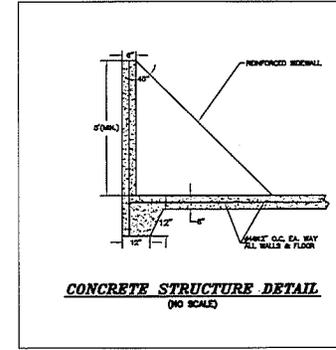
TYPICAL BERM CONSTRUCTION DETAIL
(NO SCALE)



ANTI-SEEP COLLAR DETAIL
(NO SCALE)



DISCHARGE PIPE & OUTLET DETAIL
(NO SCALE)



CONCRETE STRUCTURE DETAIL
(NO SCALE)

GEOTECHNICAL CONSTRUCTION NOTES

- THE FOLLOWING NOTES HAVE BEEN TAKEN FROM THE GEOTECHNICAL ENGINEERING REPORT, F-100721, DATED MAY 21, 2013, FOR THE PROJECT. SHOULD THERE BE ANY DUPLICATION OF REQUIREMENTS OR SPECIFICATIONS ON THESE PLANS, THE GEOTECHNICAL REPORT SHALL GOVERN.
- GRADING, AT A MINIMUM, SHOULD CONFORM TO CHAPTER 18, AND ANY ADDITIONAL LOCALLY APPROVED APPENDICES RELATED TO GRADING, OF THE 2010 CALIFORNIA BUILDING CODE.
- THE EXISTING GROUND SURFACE SHOULD BE INITIALLY PREPARED FOR GRADING BY REMOVING ALL VEGETATION, LARGE ROOTS, DEBRIS, NON-COMPACTING FILL, AND ALL OTHER ORGANIC MATERIAL. WOODS CREATED BY REMOVAL OF SUCH MATERIAL SHOULD NOT BE BANGLED UNLESS THE UNDERLYING SOILS HAVE BEEN OBSERVED BY A REPRESENTATIVE OF THE GEOTECHNICAL FIRM RETAINED FOR THE PROJECT.
- THE BOTTOM OF ALL EXCAVATIONS SHOULD BE OBSERVED BY THE SOILS ENGINEER PRIOR TO PROCESSING OR PLACING FILL.
- FILL AND BACKFILL SHALL BE PLACED AT NEAR OPTIMUM MOISTURE IN LAYERS WITH LOOSE THICKNESS NOT GREATER THAN EIGHT (8) INCHES AND SHALL BE COMPACTED TO A MINIMUM OF 93% OF MAXIMUM DRY DENSITY OBTAINABLE BY THE ASTM D1557 TEST METHOD, WITH A MOISTURE CONTENT OF 2% TO 3% ABOVE OPTIMUM MOISTURE.
- SHOULD IMPORT SOILS BE NEEDED, THE QUALITY OF THE IMPORT SOILS SHALL BE EQUAL TO OR BETTER THAN ON-SITE SOILS IN STRENGTH, EXPANSION AND COMPRESSIBILITY CHARACTERISTICS.
- FINAL SITE GRADE SHALL BE SUCH THAT ALL STORM WATER IS PERMANENTLY DIVERTED AWAY FROM THE RESERVOIR BERM AND IS NOT ALLOWED TO POND. THE GROUND IMMEDIATELY ADJACENT TO THE RESERVOIR BERM SHALL BE SLOPED 3% FOR A MINIMUM DISTANCE OF TEN (10) FEET MEASURED PERPENDICULAR TO THE FACE OF THE BERM AS SHOWN ON THE BERM CONSTRUCTION DETAIL ON THE PLANS.
- DUE TO THE PRESENCE OF LOW DENSITY SOILS WITHIN THE PROPOSED EMBANKMENT BOUNDARIES, THE NATIVE SOILS UNDERLYING THE EARTHEN RESERVOIR EMBANKMENT SHALL BE OVER EXCAVATED AND RECOMPACTED TO A DEPTH OF APPROXIMATELY THREE (3) FEET BELOW EXISTING GRADE, OR THROUGH THE LOOSE TOP SOIL, WHICHEVER IS DEEPER. THE OVER EXCAVATION SHALL EXTEND TO A DISTANCE OF FIVE (5) FEET BEYOND THE TOE OF THE EMBANKMENT PERIMETER. THE RESULTING SURFACE AT THE BOTTOM OF THE EXCAVATION SHALL BE SCARIFIED TO A DEPTH OF ONE (1) FOOT, MOISTURE CONDITIONED AND RECOMPACTED TO A MINIMUM OF 93% OF MAXIMUM DRY DENSITY BEFORE RECOMPACTING THE REMAINING MATERIAL IN THIN LIFTS.
- NON-STRUCTURAL NATIVE FILL MATERIAL USED TO ESTABLISH POSITIVE DRAINAGE AWAY FROM THE CONSTRUCTED BERM SHALL BE PLACED AND COMPACTED TO A MINIMUM OF 93% OF MAXIMUM DRY DENSITY.
- GRADING INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE 2010 CBC TABLE 1704.7. A COPY OF THAT TABLE IS INCLUDED ON PLAN SHEET NO. 1 OF THESE PLANS.
- IT IS RECOMMENDED THAT FILL SLOPES BE OVERFILLED, COMPACTED AND CUT BACK TO PLANNED CONFIGURATIONS TO ACHIEVE BETTER COMPACTON OF THE SLOPE FACES.
- FOR FINAL GRADING THE CONTRACTOR SHALL INSTALL A FOUR INCH (4") THICK CLAY LINER ON THE INSIDE SLOPE AND BOTTOM OF THE IRRIGATION POND.

EROSION CONTROL NOTES

- THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND SITE DISTURBANCE WITHIN THE WORK AREA LIMITS WHERE POSSIBLE.
- THE CONTRACTOR SHALL USE WATER TRUCKS OR MECHANICAL SPRINKLER SYSTEMS IN SUFFICIENT QUANTITIES TO PREVENT AIRBORNE DUST FROM LEAVING THE PROJECT SITE. INCREASED WATERING FREQUENCY WILL BE REQUIRED WHENEVER WIND SPEEDS EXCEED 15 MPH. RECLAIMED (NON-POTABLE) WATER SHALL BE USED IF POSSIBLE.
- ALL DIRT STOCKPILE AREAS SHALL BE SPRAYED WITH WATER DAILY AS NEEDED.
- ALL EROSION CONTROL PLANTING SHALL COMPLY WITH NRCS STANDARD 342 & 342B. REVEGETATION SHALL BE IMPLEMENTED AS SOON AS POSSIBLE FOLLOWING THE COMPLETION OF THE CONSTRUCTION OF THE FACILITIES. HYDROSEEDING SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
 - THE SEED MIXTURE SHALL CONSIST OF THE FOLLOWING:

SEED MIX	% PURITY (MIN.)	LIBS/ACRE
HYCON ROSE CLOVER	(85-88)	10
CRISON CLOVER	(85-88)	10
ZORRO ANNUAL FESCUE	(85-90)	10
BLANDO BROME	(85-90)	10
CALIFORNIA POPPY	(85-70)	2
SALT BUSH	(85-90)	7
LIPINUS MARIS	(85-75)	8
 - THE EROSION CONTROL MATERIAL SHALL BE MIXED AND APPLIED IN APPROXIMATELY THE FOLLOWING PROPORTIONS:

MATERIAL	POUNDS PER ACRE (MEASURED ON SLOPE)
FIBER	1500 LBS.
SEED	50 LBS.
FERTILIZER (16-20-0)	400 LBS.
WATER	AS NEEDED FOR APPLICATION
STABILIZING EMULSION	AS RECOMMENDED BY MANUFACTURER
 - MIXING OF MATERIAL FOR APPLICATION WITH HYDROSEEDING EQUIPMENT SHALL BE PERFORMED IN A TANK WITH A BUILT-IN CONTINUOUS AGITATION SYSTEM OF SUFFICIENT OPERATING CAPACITY TO PRODUCE A HOMOGENEOUS MIXTURE AND DISCHARGE SYSTEM WHICH SHALL APPLY THE MIXTURE AT A CONTINUOUS AND UNIFORM RATE.
 - EXCEPT FOR AREAS WHERE SOIL HAS BEEN CRUSTED, NEWLY DISTURBED SOILS CAN BE SEEDS FOLLOWING CONSTRUCTION. SOIL CAN REMAIN IN A SOMEWHAT ROUGHENED CONDITION TO ACCEPT THE HYDROSEED MIXTURE.

SPECIAL CONSTRUCTION NOTES

- INSTALLATION OF PUMPS, PIPING AND RELATED PUMPING EQUIPMENT SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE PUMP MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.
- FINAL SIZE AND FABRICATION OF THE METAL CAGE AT THE INLET END OF THE SUCTION LINE TO THE PUMPS SHALL BE DETERMINED BY THE PUMP MANUFACTURER.
- UPON DETERMINATION OF THE FINAL SIZE OF THE METAL CAGE, ANY ADJUSTMENTS IN THE REINFORCED CONCRETE SLAB AND WALLS SHALL BE MADE TO ACCOMMODATE THE METAL CAGE.
- FINAL LOCATION OF THE INLET PIPES FROM THE WELLS TO THE IRRIGATION POND SHALL BE DETERMINED BY THE OWNER PRIOR TO THE START OF CONSTRUCTION.
- LOCATION OF THE DISCHARGE PUMPS SHALL ALSO BE DETERMINED BY THE OWNER PRIOR TO THE START OF CONSTRUCTION.
- PUMP MANUFACTURER SHALL COORDINATE WITH THE OWNER FOR THE DETERMINATION OF THE FINAL LOCATION OF THE PUMPING EQUIPMENT AND PIPING.

UNDERGROUND SERVICE ALERT
DIAL 811
TWO WORKING DAYS BEFORE YOU DIG

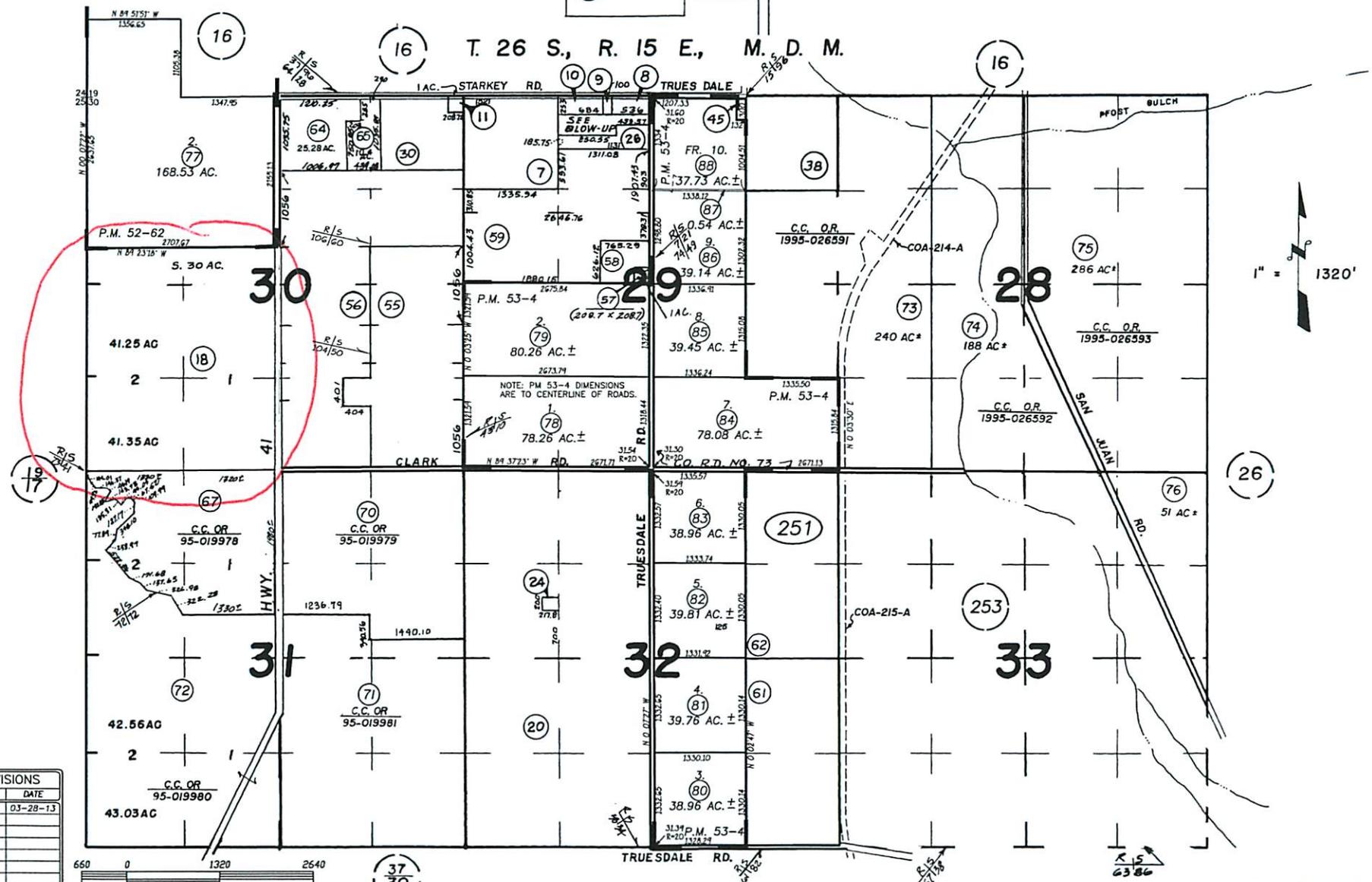
EROSION NOTES & DETAILS
SHANDON, CA

REV.	DESCRIPTION	DATE	APP.
A			

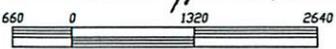
TARTAGLIA ENGINEERING
CIVIL ENGINEERS
THE EARTHQUAKE ENGINEERING CENTER
1000 UNIVERSITY AVENUE, SUITE 1000
BERKELEY, CA 94702
CHAD RAVA

REV.	BY
001	CHAD
002	CHAD
003	CHAD
004	CHAD
005	CHAD
006	CHAD
007	CHAD

T. 26 S., R. 15 E., M. D. M.



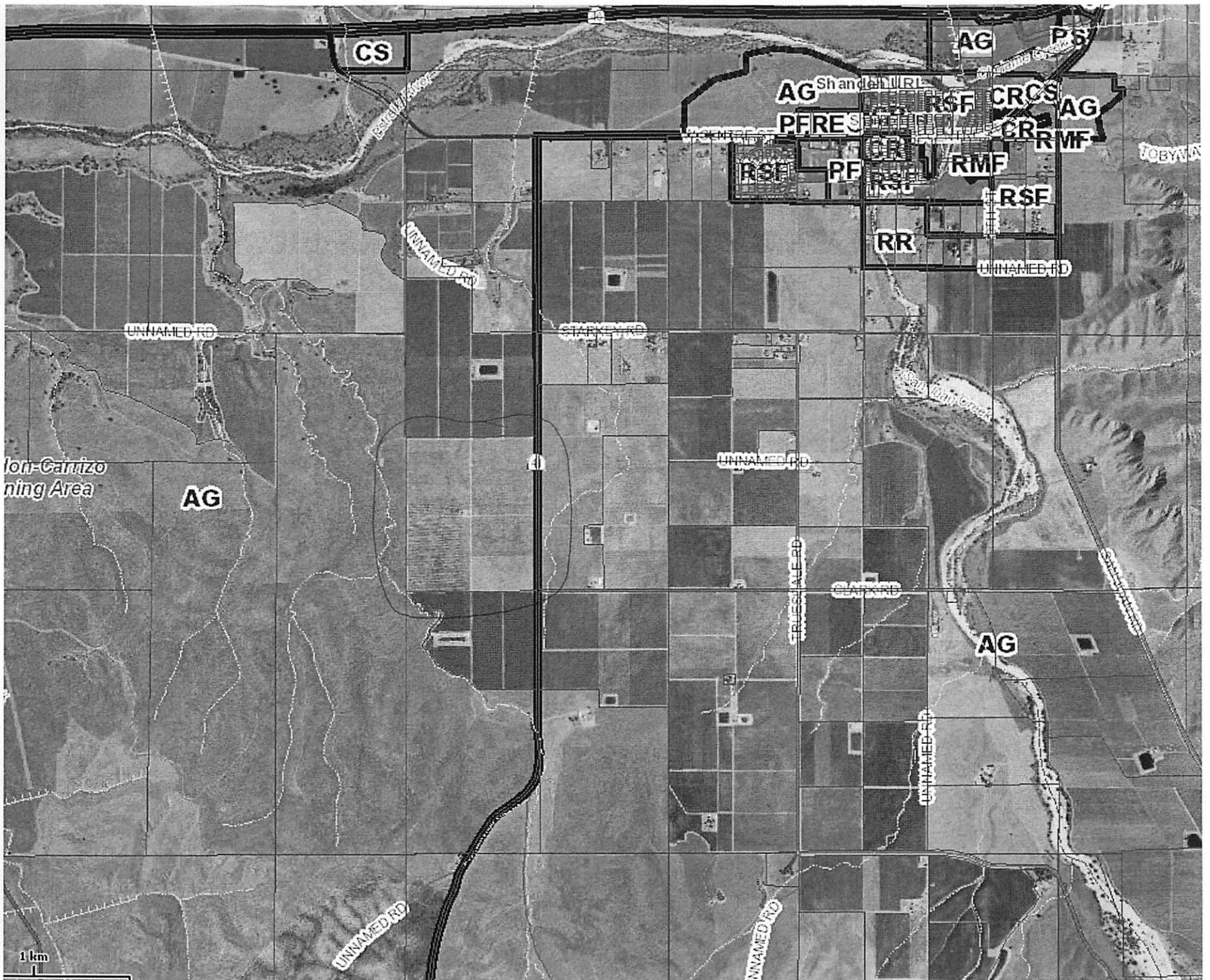
REVISIONS	
I.S.	DATE
NA	03-28-13



GB 10-17-97 THIS MAP IS PREPARED FOR ASSESSMENT PURPOSES ONLY.

COASTAL AQUEDUCT, REACH II, DRAWING NO'S S-9A-47,48

SAN LUIS OBISPO COUNTY CALIFORNIA





Parcel Summary Report For Parcel # 017-251-018

10/30/2013
11:25:17AM

San Luis Obispo County Department of Planning and Building

County Government Center

San Luis Obispo, California 93408

Telephone: (805) 781-5600

People Information

Role Name and Address

OWN RAVA CHAD J
 PO BOX 1531 PASO ROBLES CA 93447-1531
OWN RAVA CHAD J LIVING TRUST

Address Information

Status Address
P 01500 SHANDON HY RSHCA

Lot Information:

<u>Tract / Townshp</u>	<u>Block / Range</u>	<u>Section</u>	<u>Community:</u>	<u>Plan/Area:</u>	<u>Lue 1:</u>	<u>Lue 2:</u>	<u>Lue 3:</u>	<u>Lot:</u>	<u>Flags:</u>	<u>Misc</u>
T26S	R15E	30P	Shandon Rural	Shandon/Carri	AG			Y		

Parcel Information

Status Description
Active T26S R15E PTN SEC 30 LESS MIN RTS

Notes

THIS APN IS A LEGAL PARCEL PER DEED 632 OR 394. JSM

Tax Districts

SHANDON JT(27,40)
SAN LUIS OBISPO JT(27,40)
SHANDON
NO. 01
AREA NO. 21

Case Information

Case Number: Case Status:



Parcel Summary Report For Parcel # 017-251-018

10/30/2013
11:25:17AM

San Luis Obispo County Department of Planning and Building

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San Luis Obispo, California 93408

Telephone: (805) 781-5600

PMT2012-00150 ISS Primary Parcel

Description:

REPLACEMENT SFD (900 SF) W/COVERED PORCH (864 SF) (REPLACING 1,791 SF DWELLING BUILT IN APPROXIMATELY 1900 - DEMO'D IN 1994 - ASSESSOR'S RECORDS PROVIDED) (DUPLICATE TO PMT2012-00151) - ON 1/29/2013 440 SF ATTACHED CARPORT ADDED TO SCOPE OF WORK

PMT2012-01317 ISS Primary Parcel

Description:

FIRE SPRINKLERS FOR SINGLE FAMILY DWELLING PMT2012-00150/ NFPA 13D 2010 EDITION/ PIPING CPVC/ SPRINKLERS RELIABLE RFC43 RA0612 CONCEALED/ BOOSTER PUMP TO BE SET @ 45 PSI @ 33 GPM

PMT2012-02397 REC Primary Parcel

Description:

MAJOR GRADING FOR POND TO PROVIDE WATER STORAGE FOR VINEYARD FROST PROTECTION

PRE2011-00028 REC Primary Parcel

Description: