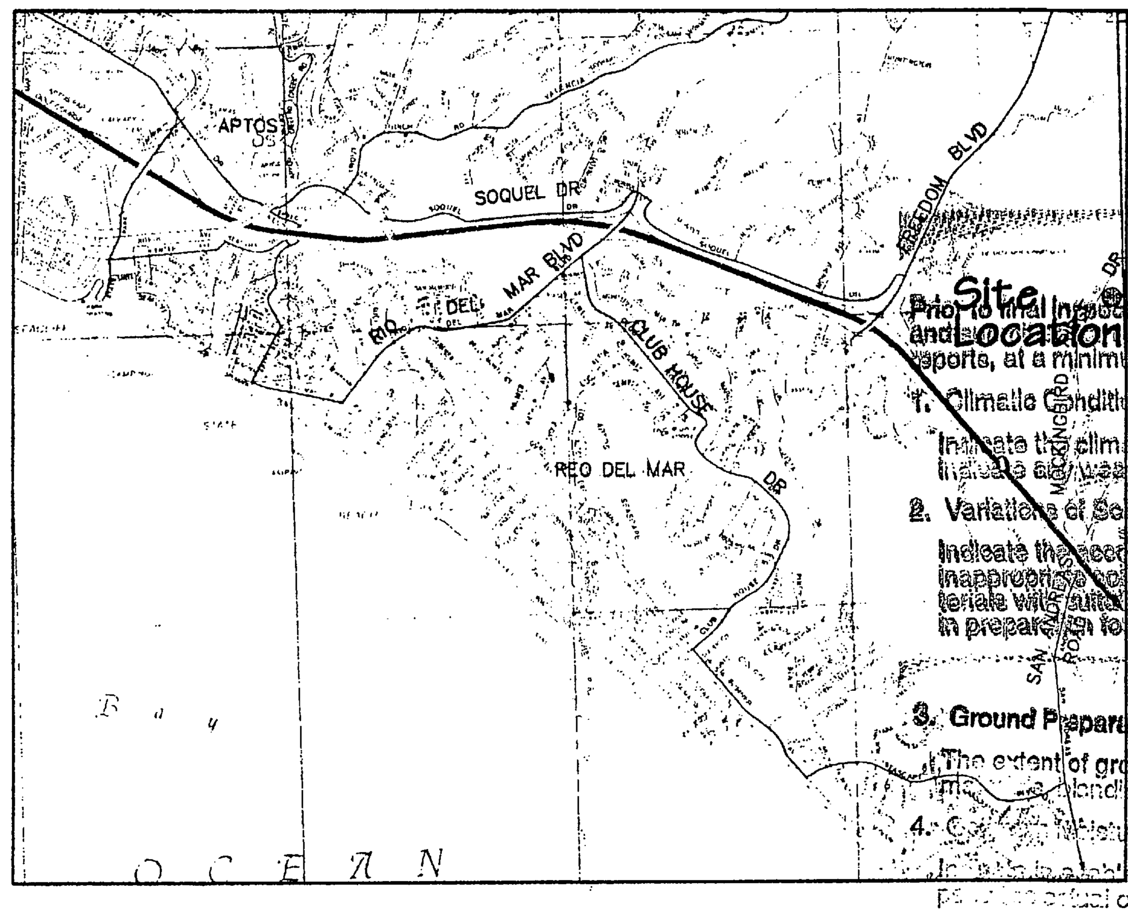
7/10/02



Vicinity Map

NOT TO SCALE

NORTH

General Notes

1. ALL GRADING SHALL COMPLY WITH THE REQUIREMENTS AND STANDARDS OF THE COUNTY OF SANTA CRUZ GRADING ORDINANCE.

2. DROP INLETS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. GRATES IN PAVED AREAS SHALL BE ADEQUATE FOR STATE OF CALIFORNIA HS-20 TRAFFIC LOADING.

3. SDR 35 PVC STORM DRAIN MATERIALS AND INSTALLATION SHALL COMPLY WITH MANUFACTURER'S SPECIFICATIONS.

4. BETWEEN OCTOBER 15 AND APRIL 15, EXPOSED SOIL SHALL BE PROTECTED FROM EROSION AT ALL TIMES. DURING CONSTRUCTION, SUCH PROTECTION MAY CONSIST OF MULCHING AND/OR PLANTING OF NATIVE VEGETATION OF ADEQUATE DENSITY. BEFORE COMPLETION OF THE PROJECT ANY EXPOSED SOIL ON DISTURBED SLOPES SHALL BE PERMANENTLY PROTECTED FROM EROSION.

5. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THIS REQUIREMENTS SHALL BE MAKE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

6. ANY MODIFICATION, RELOCATION OR ADDING ADDITIONAL RETAINING WALLS OTHER THEN WHAT IS SHOWN ON THESE PLANS ARE TO BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

7. REFER TO ARCHITECTURAL PLANS BY LATTANZIO AND ASSOCIATES.

FINAL SOILS-GRADING REPORTS

Prior to final inspection clearance a final soils report must be prepared and submitted for review for all projects with engineered fills. These reports, at a minimum, must include:

1. Climatic Conditions

   Indicate the climatic conditions during the grading processes and indicate any weather related delays to the operations.

2. Variations of Soil Conditions and/or Recommendations

   Indicate the accomplished ground preparation including removal of inappropriate soils or organic materials, blending of unsuitable materials with suitable soils, and the keying and benching of the site in preparation for the fills.

3. Ground Preparation

   The extent of ground preparation and the removal of inappropriate materials, blending of soils, and keying and benching of fills.

4. Optimum Moisture/Maximum Density Curves

   Include in a table the optimum moisture maximum density curves, and the actual curves at the end of the report.

5. Compaction Test Data

   Test locations must be shown on same topographic map as the grading plan and the test values must be tabulated with indication of depth from the surface of final grade, moisture content, relative compaction, failure of tests (i.e. those less than 90% of relative compaction), and re-testing of failed tests.

6. Adequacy of the Site for the Intended Use

   The soils engineer must re-confirm her/his determination that the site is safe for the intended use.

Aptos/La Selva Fire Department Notes

1. A 10 FOOT CLEARANCE WILL BE MAINTAINED ON BOTH SIDES OF THE ACCESS ROAD (MOCKINGBIRD RIDGE ROAD) AND THE DRIVEWAY OF COMBUSTIBLE VEGETATION. TREES SHALL BE LIMBED UP SO THAT NO BRANCHES ARE WITHIN 6 – 8 FEET OF THE GROUND.

EXCEPTION: SINGLE SPECIMENS OF TREES, ORNAMENTAL SHRUBBERY OR SIMILAR PLANTS USED AS GROUND COVERS, PROVIDED THEY DO NOT FORM A MEANS OF RAPIDLY TRANSMITTING FIRE FROM NATIVE GROWTH TO ANY STRUCTURE.

2. A 30 FOOT CLEARANCE WILL BE MAINTAINED WITH NON-COMBUSTIBLE VEGETATION AROUND ALL STRUCTURES OR TO THE PROPERTY LINE WHICHEVER IS A SHORTER DISTANCE FOR LEVEL TERRAIN AND 100 FOOT CLEARANCE WILL BE MAINTAINED WITH NON-COMBUSTIBLE VEGETATION AROUND ALL STRUCTURES OR TO THE PROPERTY LINE WHICHEVER IS A SHORTER DISTANCE FOR SLOPING TERRAIN.

EXCEPTION: SINGLE SPECIMENS OF TREES, ORNAMENTAL SHRUBBERY OR SIMILAR PLANTS USED AS GROUND COVERS, PROVIDED THEY DO NOT FORM A MEANS OF RAPIDLY TRANSMITTING FIRE FROM NATIVE GROWTH TO ANY STRUCTURE.

REQUIRED GRADING INSPECTIONS & REPORTS

Call 454-3163 48 hours prior to inspections.

1. ✓ Pre-construction meeting at project site. (With owner, developer, grading contractor, project engineer)
2. ✓ Building Rough Grade Insp. - PRIOR to foundation excavation
   - ✓ Provide engineered fill compaction report.
   - ✓ Provide Soils Engineer / Geologist inspection letter(s)
3. ✓ Driveway / Rdwy Rough Grade Inspection - PRIOR to paving
   - ✓ Provide Driveway / Roadway compaction report.
4. Other
   - ✓ Sediment Control Measure(s) Installation
5. Final
   - ✓ Provide wet signed/stamped Final Soils Engineer Report
   - ✓ Provide wet signed/stamped Final Geologist Report
   - ✓ Finish Grading / Erosion Control Inspection
   - ✓ Area / Roof Drainage ... Inspection
   - ✓ Driveway / Roadway Drainage System Inspection

Abbreviations

[ ]	RECORDED DATA
(N)	EXISTING ELEVATION
	NEW
(E)	EXISTING
AC	ASPHALT CONRETE
BC	BEGINNING CURVE
BVC	BEGINNING VERTICAL CURVE
BW	BACK OF WALK
CC	CONCRETE
EC	END CURVE
EG	EXISTING GROUND
EP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
FL	FLOWLINE
FS	FINISH SURFACE
G	GAS LINE/MAIN
GB	GRADE BREAK
HP	HIGH POINT
INV	INVERT
PC	POINT OF CURVE
PT	POINT OF TANGENCY
S	SLOPE
TEL	TELEPHONE CONDUIT
TC	TOP OF CURB
TW	TOP OF WALL
TYP	TYPICAL
W	WATER LINE/MAIN

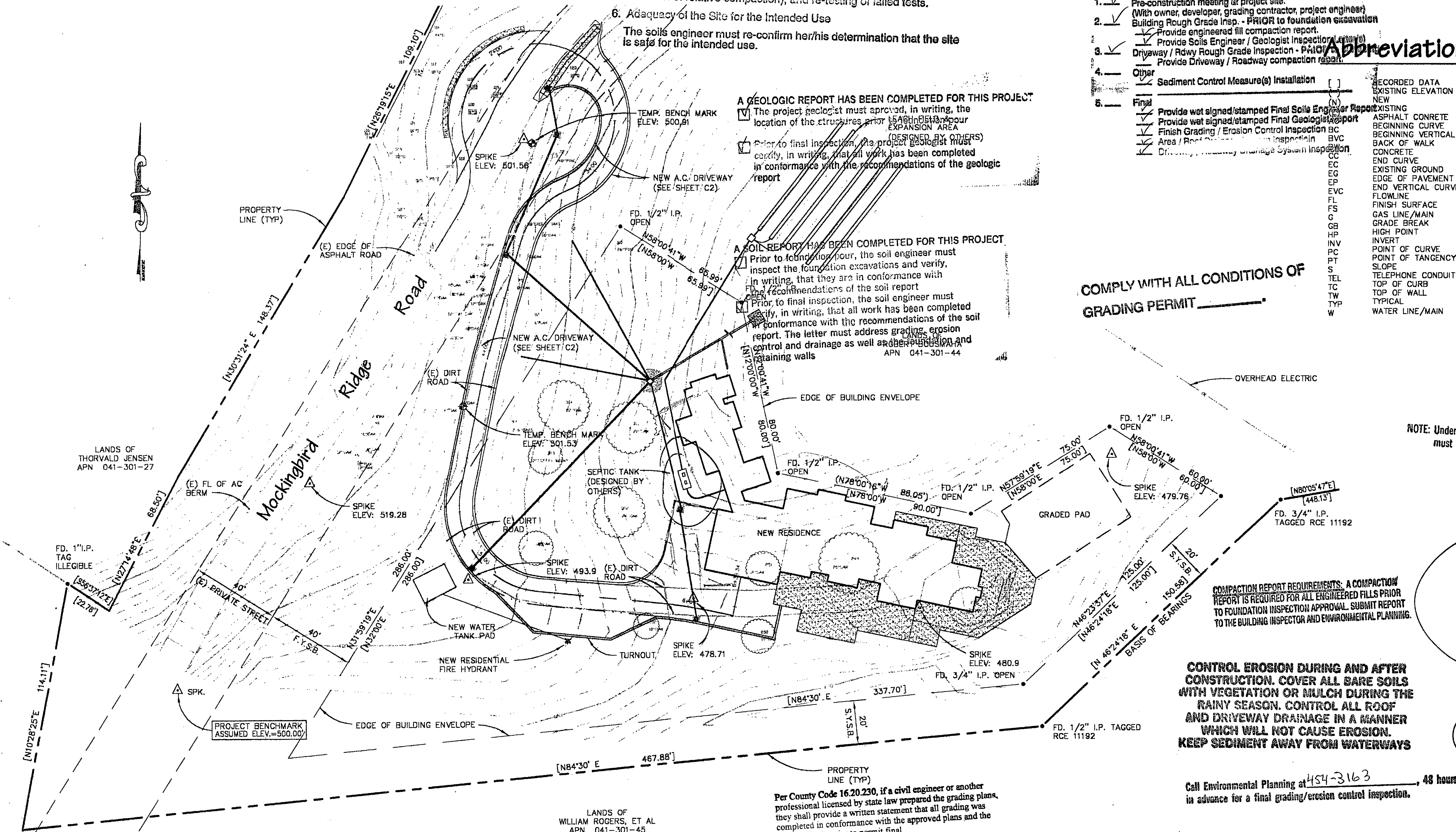
A GEOLOGIC REPORT HAS BEEN COMPLETED FOR THIS PROJECT

- [x] The project geologist must aprove, in writing, the location of the structures prior to foundation pour
- [x] Prior to final inspection, the project geologist must certify, in writing, that all work has been completed in conformance with the recommendations of the geologic report

A SOIL REPORT HAS BEEN COMPLETED FOR THIS PROJECT

- [ ] Prior to foundation pour, the soil engineer must inspect the foundation excavations and verify, in writing, that they are in conformance with the recommendations of the soil report
- [x] Prior to final inspection, the soil engineer must verify, in writing, that all work has been completed in conformance with the recommendations of the soil report. The letter must address grading, erosion control and drainage as well as the foundation and retaining walls

COMPLY WITH ALL CONDITIONS OF GRADING PERMIT ______.



NOTE: Underground Electric and Gas lines must be inspected before backfilling.

COMPACTION REPORT REQUIREMENTS: A COMPACTION REPORT IS REQUIRED FOR ALL ENGINEERED FILLS PRIOR TO FOUNDATION INSPECTION APPROVAL. SUBMIT REPORT TO THE BUILDING INSPECTOR AND ENVIRONMENTAL PLANNING.

CONTROL EROSION DURING AND AFTER CONSTRUCTION. COVER ALL BARE SOILS WITH VEGETATION OR MULCH DURING THE RAINY SEASON. CONTROL ALL ROOF AND DRIVEWAY DRAINAGE IN A MANNER WHICH WILL NOT CAUSE EROSION. KEEP SEDIMENT AWAY FROM WATERWAYS

Call Environmental Planning at 454-3163, 48 hours in advance for a final grading/erosion control inspection.

Per County Code 16.20.230, if a civil engineer or another professional licensed by state law prepared the grading plans, they shall provide a written statement that all grading was completed in conformance with the approved plans and the Grading Code prior to permit final.

APPROVED by [signature] Building Plan Check on 4-12-03

SEPTIC TANKS SHALL BE NO CLOSER THAN 5'-0" TO ALL STRUCTURES.

Key map

SCALE: 1" = 30'

Bench Mark

ASSUMED ELEVATION OF 500.00 FEET RANDOM CONTROL SPIKE SET APPROXIMATELY AT THE SOUTHEASTERLY EDGE OF PAVEMENT OF MOCKINGBIRD RIDGE ROAD AND SHOWN HEREON AS PROJECT BENCHMARK

Basis of Bearings

ESTABLISHED BETWEEN MONUMENTS FOUND AS SHOWN ALONG THE SOUTH EASTERLY PROPERTY LINE AND AS SHOWN HEREON AS 'BASIS OF BEARINGS' N46°24'18"E.

Engineer's Notice to Contractors

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS. PRIOR TO EXCAVATION, THE CONTRACTOR SHALL CALL USA DIG ALERT TO VERIFY THE LOCATION OF UNDERGROUND UTILITIES.

In Compliance with Geologic Hazards Investigation

BY: Rogers E. Johnson and Associates
YOUR JOB NO: G01020

FOR PERMIT ISSUANCE OF THESE PLANS, GEOLOGIST IS TO REVIEW AND APPROVE IN WRITING THAT THESE PLANS ARE IN CONFORMANCE WITH THE CURRENT GEOLOGIC HAZARDS INVESTIGATION

In Compliance with Geotechnical Investigation

BY: Haro, Kasunich and Associates, Inc.
YOUR PROJECT NO: SC7596

FOR PERMIT ISSUANCE OF THESE PLANS, SOIL ENGINEER IS TO REVIEW AND APPROVE IN WRITING THAT THESE PLANS ARE IN CONFORMANCE WITH THE CURRENT GEOTECHNICAL INVESTIGATION.

In Compliance with Retaining Walls

BY: John Frazier, P.E., Consulting Engineer

FOR PERMIT ISSUANCE OF THESE PLANS, STRUCTURAL ENGINEER IS TO PROVIDE IN WRITING THAT THESE PLANS ARE IN CONFORMANCE WITH THE LOCATION OF THE NEW RETAINING WALLS

Sheet Index

C1 – VICINITY MAP AND INDEX MAP
C2 – DRIVEWAY PLAN AND PROFILE
C2a – TURNOUTS 'A' AND 'B'
C3 – DRIVEWAY CROSS SECTIONS
C4 – GRADING AND DRAINAGE PLAN
C5 – SITE CROSS SECTONS; A–A, B–B, C–C AND D–D
C6 – EROSION CONTROL PLAN
C7 – EROSON CONTROL NOTES AND DETAILS

Architect

FREDERIC LATTANZIO
LATTANZIO & ASSOCIATES
19 SEASCAPE VILLAGE
APTOS, CALIFORNIA 95003

PHONE: (831) 662-3515

Property Owner

BOB BOUSMAHA
P.O. BOX 215
SARATOGA, CALIFORNIA 95071

PHONE: (408) 448-2501

JOB COPY
APPROVED BY THE COUNTY OF SANTA CRUZ "INSPECTION SERVICES"
DATE:______ PERMIT NO.______
ISSUING OFFICER:
NOTICE: THESE PLANS AND SPECIFICATIONS MUST REMAIN ON THE JOB SITE AT ALL TIMES. THEY SHALL NOT BE ALTERED WITHOUT THE WRITTEN PERMISSION OF THE BUILDING INSPECTION DEPARTMENT

Call Two Working Days Before You Dig!
USA North
1-800-227-2600

...uction contractor agrees that in accordance with generally accepted construction ... construction contractor will be required to assume sole and complete responsibility ...te conditions during the course of construction of the project, including safety of all ...d property; that this requirement shall apply continuously and not be limited to normal ...urs, and construction contractor further agrees to defend, indemnify and hold ...essional harmless from any and all liability, real or alleged, in connection with ...of work on this project, excepting liability arising from the sole negligence of ...onal.

CELSOC Consulting Engineers and Land Surveyors of California

UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

CELSOC Consulting Engineers and Land Surveyors of California

[signature]
ROBERT L. DEWITT

REGISTERED PROFESSIONAL ENGINEER ROBERT L. DeWITT NO. 20919 EXP. 9-30-05 CIVIL STATE OF CALIFORNIA

6-12-02
DATE

Grading and Drainage Plan

PREPARED AT THE REQUEST OF
Bob Bousmaha
LOCATED AT
APN 041-301-44
Santa Cruz County, California

1. LOWERED THE FINISH FLOOR ELEVATION ON THE HOUSE FROM 479.50 TO 478.00, AND ADDED 4" P.V.C. FOR THE ROOF DRAIN DWON SPOUTS
2. ADDED SHEETS 2a FOR TURNOUTS AND C6 & C7 FOR ERSIONS CONTROL PLAN
3. MADE REVISIONS PER THE APTOS/LA SELVA FIRE PROTECTION DISTRICT REQUEST, ADDITIONAL MORE STRIPING, CHANGE A.B. TO 2" A.C. ON TURNOUTS, ADD FIRE DEPARTMENT NOTES ON SHEET C1.
4. RE-LOCATED SEPTIC TANK, LEACH FIELD AND EXPANSION AREA

Robert L. DeWitt & Associates, Inc.
Civil Engineers & Land Surveyors
1607 Ocean Street, Suite 1
Santa Cruz, California 95060
(831) 425-1617 TEL
(831) 425-0224 FAX

DESIGN: ROBERT
DRAWN: BERT
DATE: 01/18/02
DWG: R99039-C1.dwg

REVISED:
1. 2/28/02
2. 3/25/02
3. 5/01/02
4. 6/12/02

PROJECT: R99039

SHEET: C1 OF 7