



JOHN A. FANTHAM
DIRECTOR OF PUBLIC WORKS

County of Santa Cruz 0461

DEPARTMENT OF PUBLIC WORKS

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AGENDA MARCH 7, 2000

February 22, 2000

SANTA CRUZ COUNTY BOARD OF SUPERVISORS

701 Ocean Street
Santa Cruz, California 95060

SUBJECT: TRANSPORTATION EQUITY ACT FOR THE 21 ST CENTURY
SURFACE TRANSPORTATION PROGRAM AND CONGESTION
MITIGATION AND AIR QUALITY IMPROVEMENT PROGRAM

Members of the Board:

The Santa Cruz County Regional Transportation Commission (SCCRTC) is requesting applications for the Transportation Equity Act of the 21 st Century (TEA-2 1) Surface Transportation Program (STP) and Congestion Mitigation and Air Quality (CMAQ) Improvement Program for fiscal years 2001/02 and 2002/03. The STP funding can be used for a wide range of transportation projects including roadway rehabilitation, capital expenditures for transit projects, car pool projects, highway and transit safety improvements, and other miscellaneous transportation projects. CMAQ funding can be used to fund transportation projects that provide for improvements in air quality, projects that provide for the construction of pedestrian facilities, and other miscellaneous projects. For this application period, \$7.0 million is available for STP transportation projects and \$4.1 for CMAQ projects. The SCCRTC requests that all the local jurisdictions prioritize their STP and CMAQ applications for submittal to the Commission.

Attachment 1 provides a list of the County's eleven roadway rehabilitation projects recommended for our application for possible STP funding and six capital improvement projects recommended for our application for CMAQ/STP project funding. Attachment 2 provides location maps for the proposed twelve STP projects and six CMAQ/STP project applications.

The Public Works Department developed the list of eleven roadway rehabilitation projects from the draft January 2000 County of Santa Cruz Pavement Management Program Report

and previous road rehabilitation reports submitted to your Board. The prioritization of the STP projects (total estimated cost \$7,000,000) is based on the regional significance of the arterial roadways and the current pavement condition index (PCI) rating of each roadway. The recommended prioritization of the rehabilitation projects are (Group One totaling \$3,696,000) Holohan Road, Summit Road, Freedom Boulevard, Swanton Road, and Bean Creek Road; (Group Two totaling \$2,703,000) La Madrona Drive, Glenwood Drive, Airport Boulevard and Soquel Avenue; and (Group Three totaling \$601,000) Empire Grade and San Andreas Road.

The department's list of capital improvement projects for CMAQ submittals was developed to address regional significance including meeting much needed safety improvements, mobility demands including those from pedestrians and bicyclists, operational improvements to improve motorist safety as well as meeting peak hour traffic demands, and air quality improvements. The other component that was used to develop the recommended project list is based upon the available County matching share. The calculated scores of the six projects, as defined in the SCCRTC's application process, were used to rank the projects in order of priority.

Based on these scores, the first recommended project for CMAQ funding is the State Park Drive Improvement Project, which would provide for major infrastructure improvements along State Park Drive south of Route 1 to the Seacliff State Park, and Center Avenue and Santa Cruz Avenue to Broadway. The infrastructure improvements would include the construction of pedestrian, transit, bicycling, drainage and railroad crossing improvements, and operational roadway improvements for the Seacliff business area. The total project cost is estimated at \$960,000, and the CMAQ grant request will be for \$460,000. The \$500,000 local matching funds have been secured from Aptos Transportation Improvement Area (TIA) funds and a Public Utility Commission Section 13 0 Railroad Safety Improvement Program grant.

The second recommended CMAQ grant proposal is the Graham Hill Road at Mount Herman Road Improvement Project. This project will provide for needed operational and safety improvements at the intersection. The project will consist of the modification of the traffic signal, the construction of dual right-turn lanes on the westbound Mount Herman Road approach to Graham Hill Road, and pedestrian improvements at the intersection. The total project cost is estimated at \$300,000, and the CMAQ grant request will be for \$260,000. The County Road Budget and County Service Area Number 9 Highway and Safety Lighting funds will provide the \$40,000 necessary for the local match for the project.

The third recommended CMAQ grant proposal is for the Calabasas Road Improvement Project Phase II. The purpose of the project is to improve overall pedestrian and bicyclists' mobility and safety along Calabasas Road, especially for school children that attend the Calabasas Elementary School. The project would provide continuous curb, gutter, and sidewalk on

the south side of Calabasas Road from Calabasas Elementary School to Buena Vista Drive and on the north side of Calabasas Road from Bowker Road to Buena Vista Drive. The project will also provide for drainage and bicycling improvements along the roadway. The total project cost is estimated at \$565,000 and the CMAQ grant request will be for \$500,000. Pajaro Valley TIA and road funds will provide the \$65,000 necessary for the local match for the project.

The fourth recommended CMAQ grant proposal is an operational improvement project for the Graham Hill Road and Treetop Drive intersection. Graham Hill Road is a major arterial roadway that serves 12,000 to 14,000 motorists a day at commuter speeds. The project would widen the road at this critical location in to provide for a southbound left-turn lane and transitional improvements, shoulder improvements to provide for future bike lanes, drainage improvements, and transit stop improvements. The left-turn lane is considered a high priority project since this intersection serves as a primary access point to the Brook Knoll Elementary School. Our department has received many requests from the public about increasing the safety at the intersection by providing for this project. The total project cost is estimated at \$365,000, and the CMAQ funding request is for \$320,000. Carbonera Roadside and Roadway Improvement funds will provide the \$45,000 necessary for the local match for the project.

The fifth recommended CMAQ grant proposal is also an operational improvement project proposed for the Green Valley Road and Airport Boulevard intersection. The project would provide a right-turn lane for the southbound Green Valley Road direction thereby improving the level of service during the peak hours of congestion. The total project cost is estimated at \$250,000, and the CMAQ/STP funding request is for \$220,000. Pajaro TIA funds will provide the \$30,000 necessary for the local match for the project.


The sixth recommended CMAQ grant proposal is for the College Road Improvement Project. The purpose of the project is to improve overall pedestrian and bicyclists' mobility and safety along College Road, especially for school children that attend the Lakeview Elementary School and the proposed Saint Francis High School. The project would provide continuous curb, gutter, and sidewalk on the north and south side of College Road from Highway 152 to Cutter Drive. The project will also provide for drainage and bicycling improvements along the roadway. The total project cost is estimated at \$480,000, and the CMAQ grant request will be for \$430,000. Pajaro Valley TIA and road funds will provide the \$50,000 necessary for the local match for the project. The County would coordinate the project with CALTRANS' improvements to Highway 152.

It is therefore recommended that the Board of Supervisors take the following action:

1. Approve the filing of grant applications to the Santa Cruz County Regional Transportation Commission for the County's eleven roadway rehabilitation/reconstruction STP projects and the six CMAQ/STP roadway improvement projects.

2. Adopt the attached resolution approving the applications, and recommended priority for submittal to the Surface Transportation and the Congestion Mitigation and Air Quality Improvement Program.

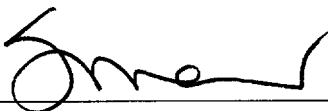
Yours truly,


for- JOHN A. FANTHAM
Director of Public Works

JJP:mg

Attachments

RECOMMENDED FOR APPROVAL,:



County Administrative Officer

copy to: Public Works
 Santa Cruz County Regional Transportation Commission

TAM

BEFORE THE BOARD OF SUPERVISORS
OF THE COUNTY OF SANTA CRUZ, STATE OF CALIFORNIA

0465

RESOLUTION NO. _____

On the motion of Supervisor
duly seconded by Supervisor
the following resolution is adopted:

RESOLUTION APPROVING THE SURFACE TRANSPORTATION
PROGRAM AND CONGESTION MITIGATION AND AIR
QUALITY IMPROVEMENT PROGRAM PROJECT APPLICATIONS

WHEREAS, the Surface Transportation Program (STP) and Congestion Mitigation and Air Quality (CMAQ) Improvement Program is a federal program designed to provide funding for local agencies to improve roadways and promote projects to improve air quality; and

WHEREAS, the County of Santa Cruz has significant Rehabilitation Improvement Program projects, Capital Improvement Program projects, and Other/Planning Improvement Program projects that meet application criteria for the STP and CMAQ Improvement Program; and

WHEREAS, the County of Santa Cruz local and/or matching funds included in the application are secured for the proposed STP and CMAQ Improvement Projects.

NOW, THEREFORE, BE IT RESOLVED that the Board of Supervisors of the County of Santa Cruz:

1. Approve the filing of the grant applications for the Surface Transportation Program for fiscal years 2001/02 and 2002/03. The recommended priorities of the rehabilitation projects are (Group One) Holohan Road, Summit Road, Freedom Boulevard, **Swanton** Road and Bean Creek Road; (Group Two) La Madrona Drive, **Glenwood** Drive, Airport Boulevard, and Soquel Avenue; and (Group Three) Empire Grade and San **Andreas** Road.
2. Approve the filing of the grant applications for the Capital Improvement Program portion of the Surface Transportation Program and Congestion Mitigation and Air Quality Improvement Program for fiscal years 2001/02 and 2002/03. The recommended priority of the projects is the State Park Drive Improvement Project, the Graham Hill Road at Mount Herman Road Improvement Project, the Calabazas Road Improvement Project Phase II, the Graham Hill Road at Treetop Drive Improvement Project, the Green Valley Road at Airport Boulevard Improvement Project, and the College Road Improvement Project.

3. Appoint John A. Fantham, Director of Public Works, and the Department of Public Works, administrating agency applicant to execute and submit all documents including, but not limited to, application, agreements, amendments, payment requests, etc., which may be necessary for the completion of the aforementioned projects.

PASSED AND ADOPTED by the Board of Supervisors of the County of Santa Cruz, State of California, this d a y o f _____ 2000, by the following vote:

AYES: SUPERVISORS

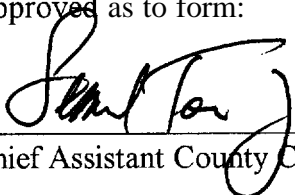
NOES: SUPERVISORS

ABSENT: SUPERVISORS

Chairperson of said Board

ATTEST: _____
Clerk of said Board

Approved as to form:

 2/23/00

Chief Assistant County Counsel

Distribution: County Counsel
Public Works

TAM

**FISCAL YEAR 2001/02 AND 2002/03
CONGESTION MITIGATION AND AIR QUALITY (CMAQ) IMPROVEMENT
AND SURFACE TRANSPORTATION PROGRAM (STP) APPLICATIONS**

PROPOSED CMAQ ROADWAY IMPROVEMENT APPLICATION PROJECTS

Super. Dist	County Road	CMAQ Construction Limits		Scope of Work (1)	Project Cost (Matching Funds) (2)	CMAQ Grant Request	Calculate Score	Proposed Ranking
		Beginning	Ending					
2	State Park Drive	McGreger Drive	Center Ave.	Left turn, S/W, C&G, Drainage, Streetscape & Transit Imp.	\$960,000 (\$500,000)	\$460,000	85	1
5	Graham Hill Road	at Mount Herman Road Intersection		Intersection Improvements	\$300,000 (\$40,000)	\$260,000	83	2
2	Calabasas Road (Phase II)	Bowker Road	Buena Vista Drive	C&G, S/W - School area	\$565,000 (\$65,000)	\$500,000	81	3
5	Graham Hill Road	at Treetop Drive		Left turn lane, transit. Imp.	\$365,000 (\$40,000)	\$320,000	80	4
4	Green Valley Road	Airport Blvd Intersection	350' North of intersection	Intersection improvement with bikelanes	\$250,000 (\$30,000)	\$220,000	76	5
4	College Road	Cutter Drive	Highway 152	C&G, S/W - School area	\$480,000 (\$50,000)	\$430,000	72	6

TOTAL ESTIMATED CMAQ GRANT REQUEST: \$2,190,000

(1) CMAQ applications are limited to locations which may relieve congestion, promote public transportation, cycling and pedestrian facilities.

(2) Total CMAQ funding available for the combined 2 fiscal year cycle for all agencies in Santa Cruz County is \$4,100,000.

PROPOSED STP ASPHALT CONCRETE PAVEMENT REHABILITATION APPLICATION PROJECTS

Super. Dist.	County Road	AC Pavement Rehabilitation Limits		Pavement Rehab Area Sq. Ft.	Constructon Estimate (1)	PCI (2)	ADT (3)	Proposed Ranking (4)	
		Beginning	Ending						
4	Holohan Road	Green Valley Road	Grimmer Road	100,000	\$400,000	24	14,886	1	Group 1
1	Summit Road	Old Santa Cruz Highway	700' W Morrill Road	305,000	\$1,220,000	33	5,424	2	
2	Freedom Boulevard	Aptos High School Drive	Golden Torch Trailer Park	250,000	\$1,000,000	45	14,632	3	
3	Swanton Road	Highway 1	Mill Creek	205,000	\$820,000	48	2,500	4	
5	Been Creek Road	PM 2.00	Glenwood Drive	64,000	\$256,000	49	3,381	5	Group 2
1	La Madrona Drive	El Rancho Drive	Sims Road	76,000	\$456,000	8	3,439	6	
5	Glenwood Drive	Bean Creek Road	Weston Road	84,500	\$507,000	11	2,666	7	
4	Airport Boulevard	Watsonville City Limit	Green Valley Road	140,000	\$840,000	12	13,244	8	Group 3
1	Soquel Avenue	Chanticleer Avenue	Gross Road	150,000	\$900,000	19	18,703	9	
3	Empire Grade Road	PM 3.75	PM 3.00	155,000	\$310,000	51	1,094	10	
2	San Andreas Road	Seascape Boulevard	Playa Boulevard	145,500	\$291,000	54	11,668	11	

TOTAL ESTIMATED PAVEMENT REHABILITATION APPLICATIONS: \$7,000,000

(1) Total STP funding available for the combined 2 fiscal year cycle for all agencies in Santa Cruz County is \$7,000,000.

(2) Estimated Construction Costs vary according to the following relative PCI ratings (pavement condition rating):

0 to 20 : \$6.00/sf 20 to 50 : \$4.00/sf 50 to 70 : \$2.00/sf

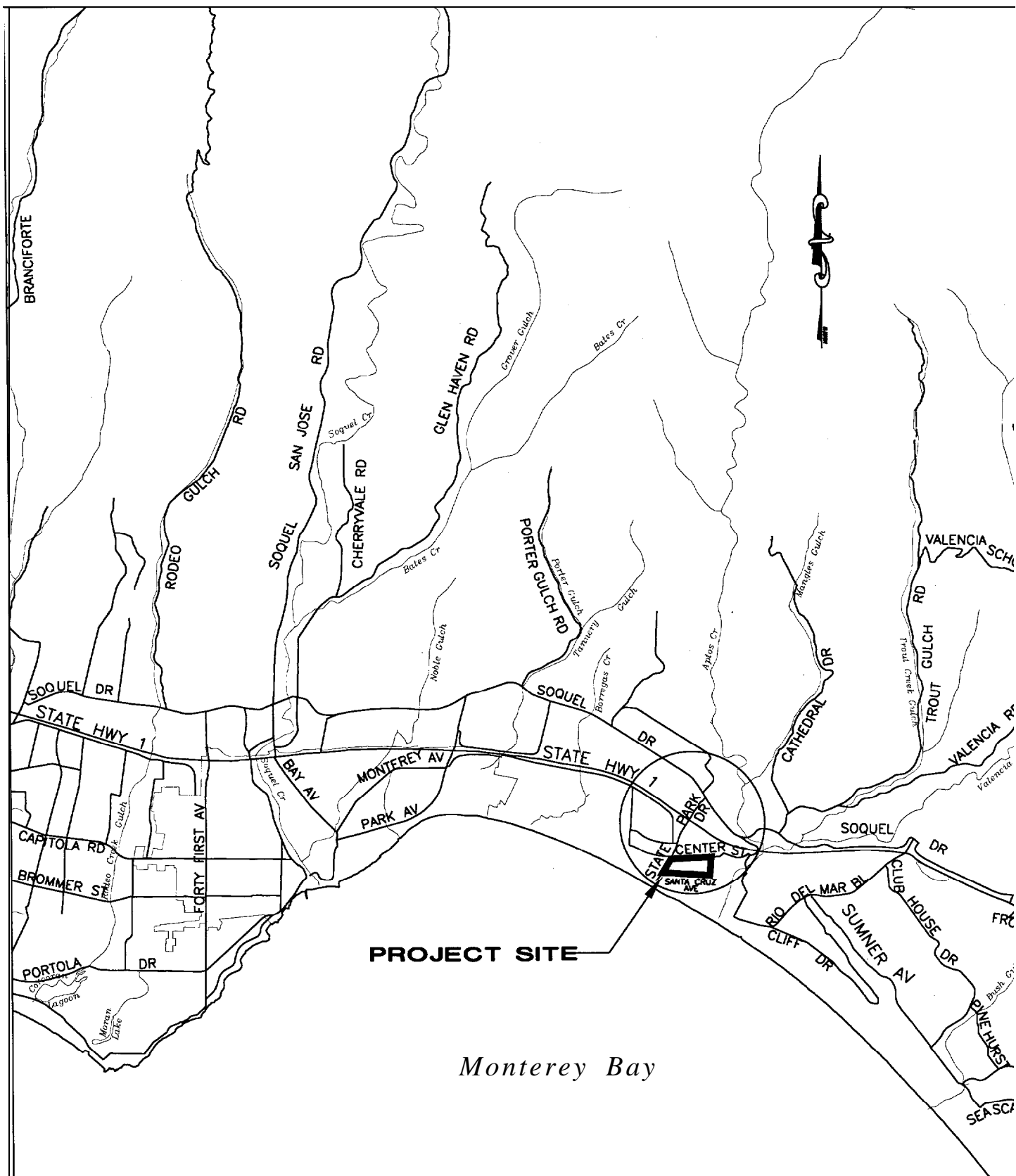
(3) It is recommended that applications for STP (Surface Transportation Program) funded road rehabilitation work be limited to arterial routes where ADT (average daily traffic) is highest and the most critical road repair needs can be addressed.

(4) Routes with a PCI in the 20 to 50 range are ranked in highest relative order for needing this type of rehab work (group 1 subtotal \$3,696,000); while those routes that are rated 20 or lower, or over 50, would fall into the tower two priority groups (group 2 & 3 subtotals \$2,703,000 and \$601,000, respectively).

* Limits subject to change based on proposed Freedom/Carey Annexation.

PROJECT LOCATION MAPS

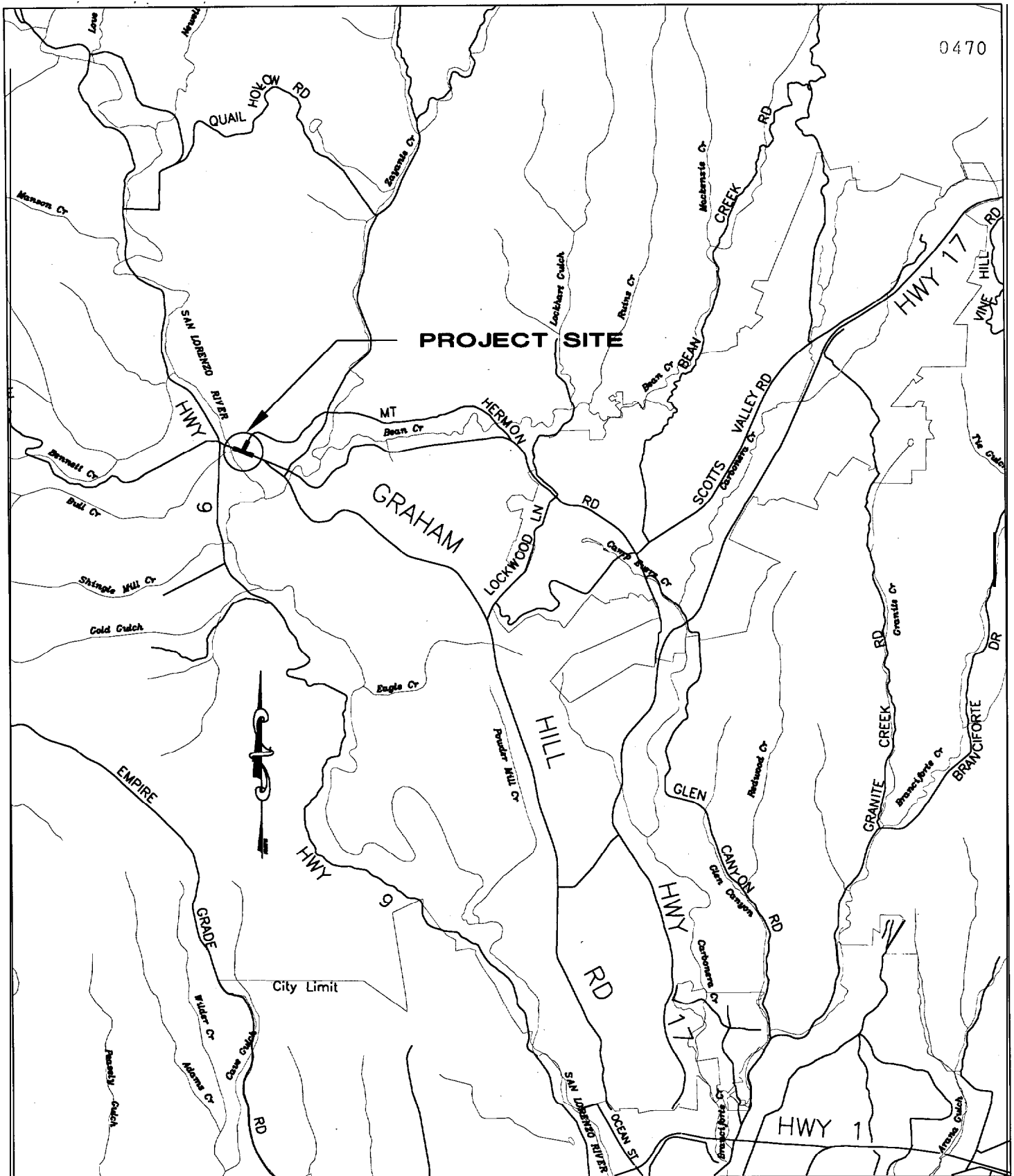
Attachment 2



PROJECT SITE

Monterey Bay

**SANTA CRUZ COUNTY
DEPARTMENT OF PUBLIC WORKS
STATE PARK DRIVE IMPROVEMENT PROJECT
CMAQ GRANT SUBMITTAL
VICINITY MAP**

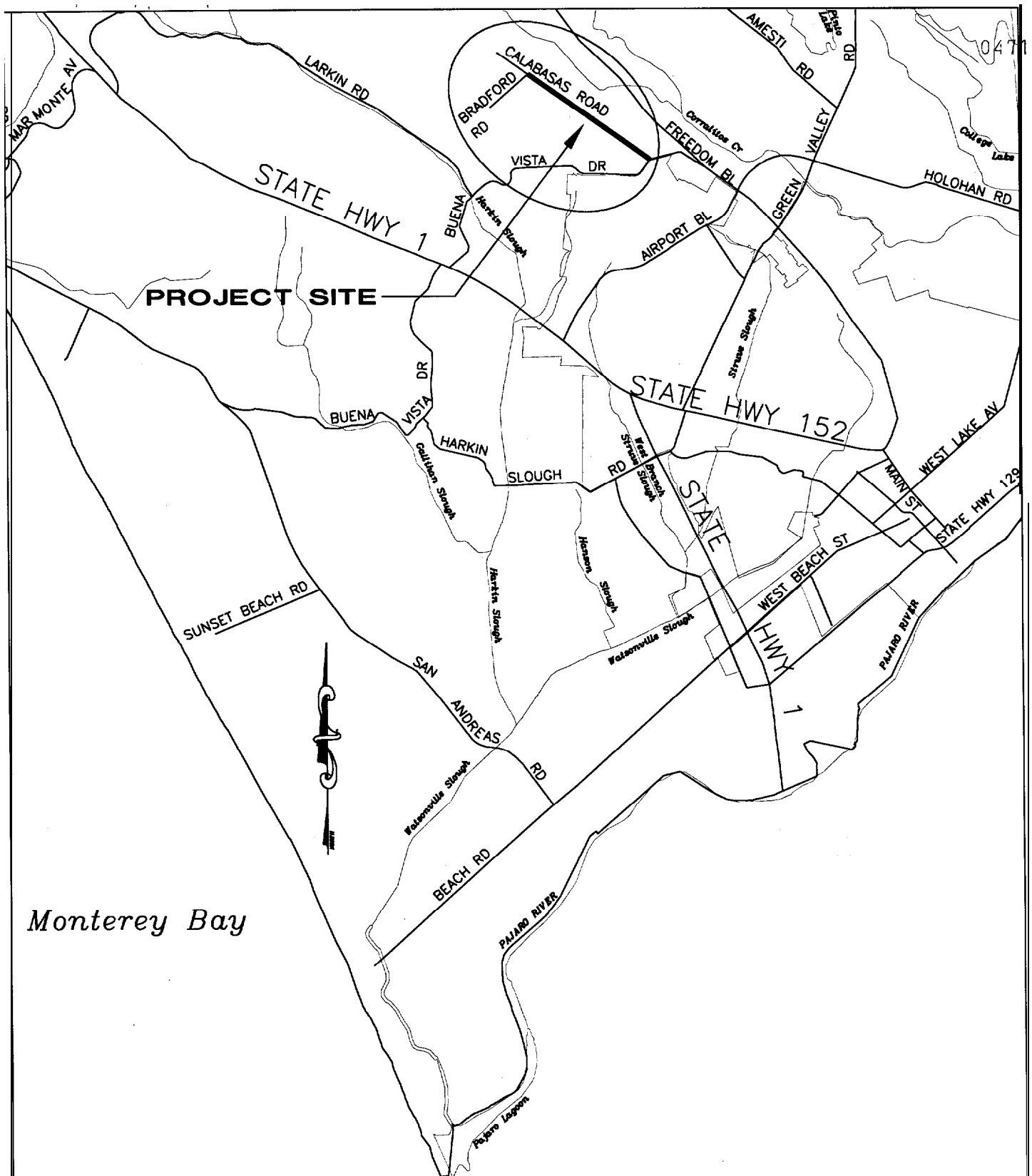


**SANTA CRUZ COUNTY
DEPARTMENT OF PUBLIC WORKS**

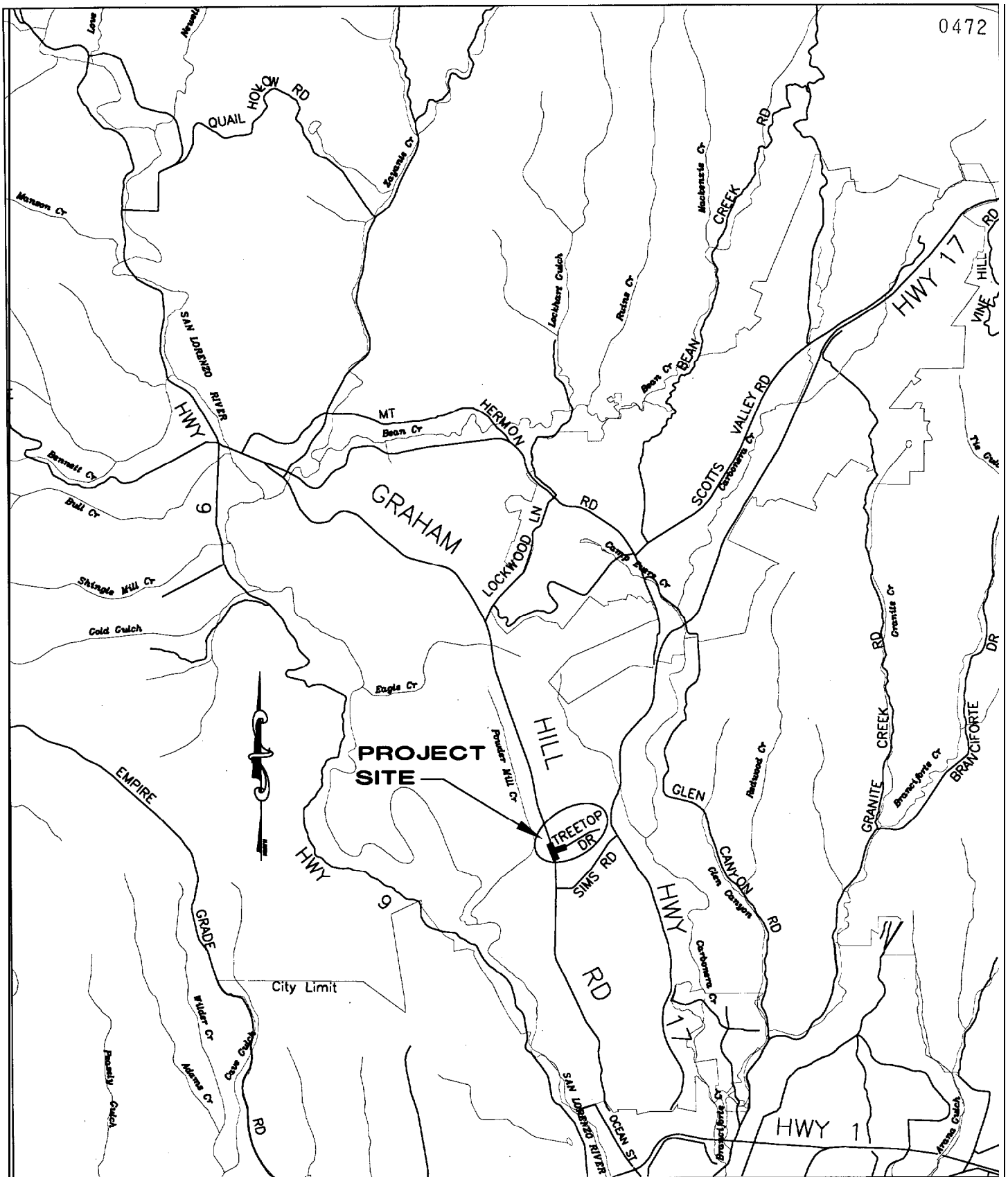
GRAHAM HILL ROAD AT MOUNT HERMAN ROAD IMPROVEMENT PROJECT

CMAQ/STP GRANT SUBMITTAL

VICINITY MAP



**SANTA CRUZ COUNTY
DEPARTMENT OF PUBLIC WORKS
CALABASAS ROAD IMPROVEMENT PROJECT-PHASE II
CMAQ GRANT SUBMITTAL
VICINITY MAP**



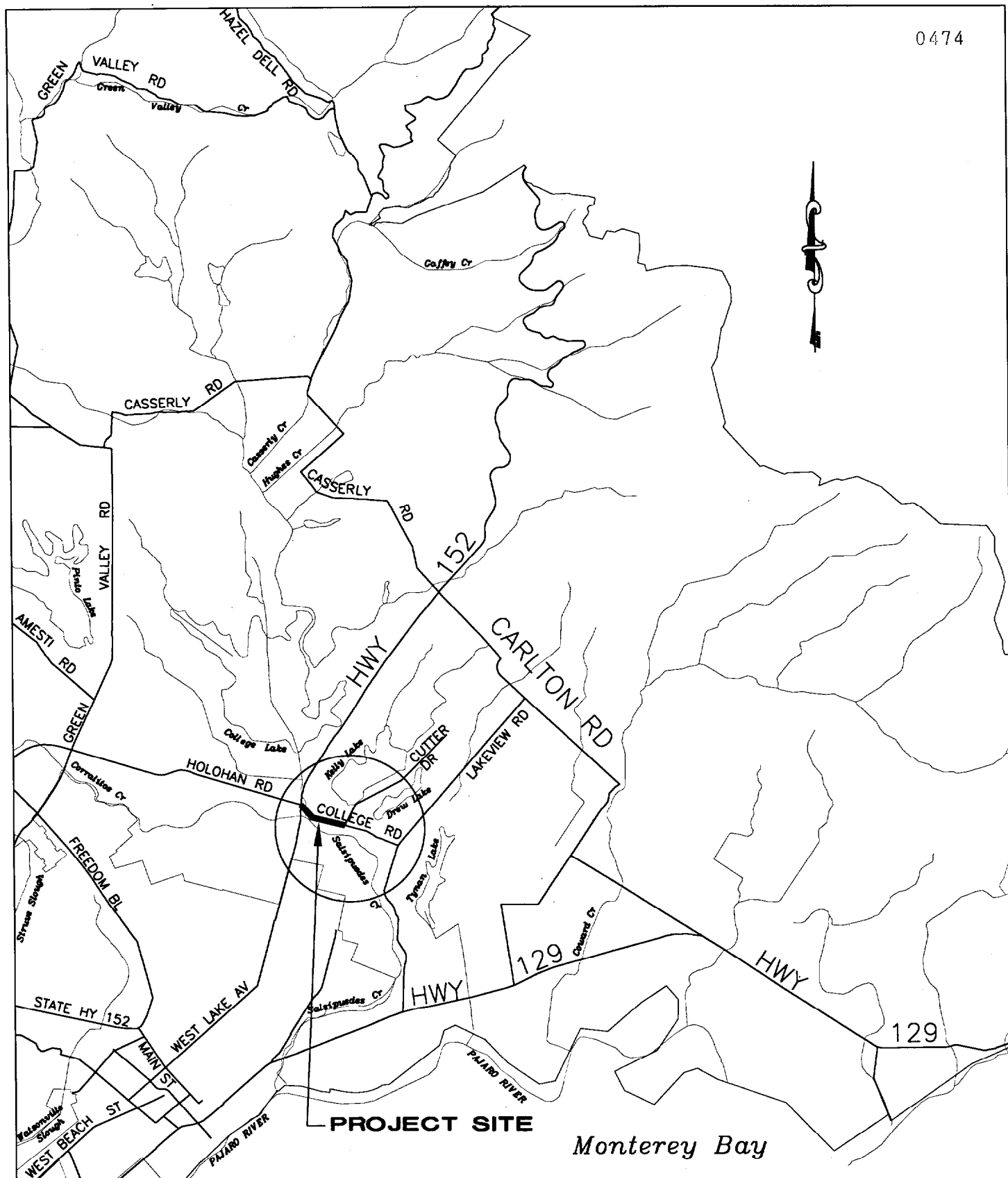
SANTA CRUZ COUNTY
DEPARTMENT OF PUBLIC WORKS
GRAHAM HILL ROAD AND TREETOP DRIVE INTERSECTION
IMPROVEMENT PROJECT
CMAQ/STP GRANT SUBMITTAL
VICINITY MAP



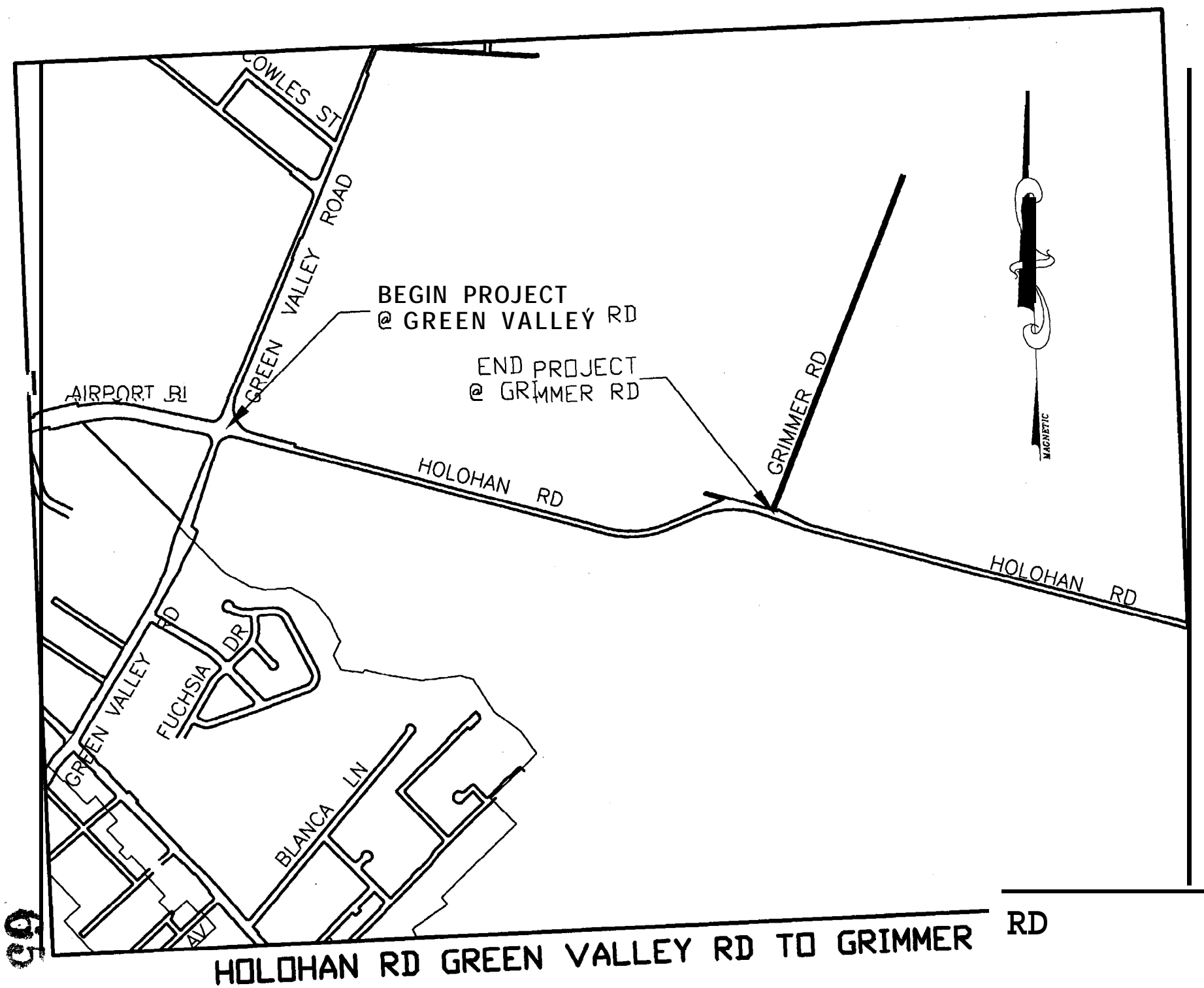
GREEN VALLEY ROAD AT AIRPORT BOULEVARD IMPROVEMENT PROJECT

CMAQ GRANT SUBMITTAL

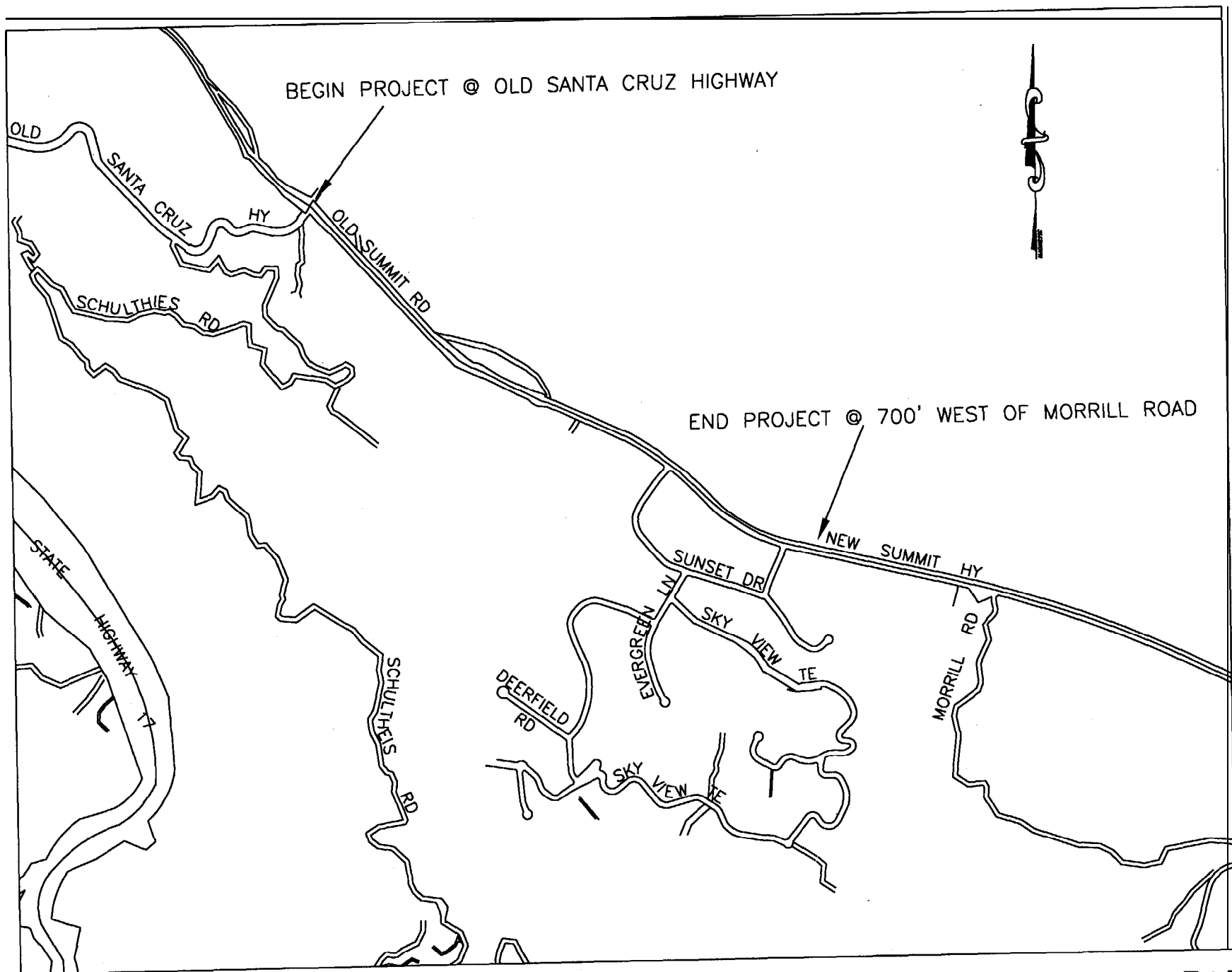
VICINITY MAP



**SANTA CRUZ COUNTY
DEPARTMENT OF PUBLIC WORKS
COLLEGE ROAD IMPROVEMENT PROJECT
CMAQ GRANT SUBMITTAL
VICINITY MAP**

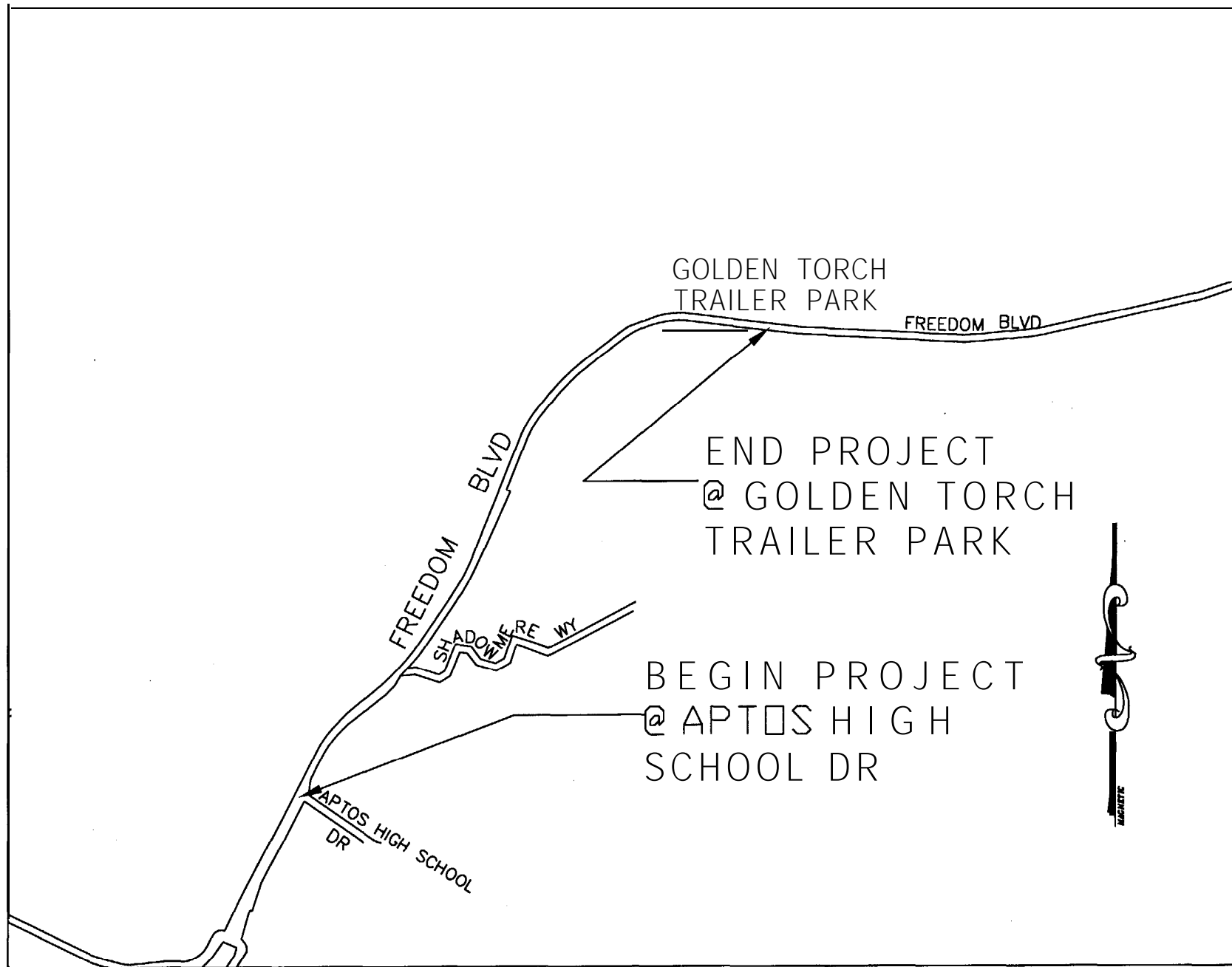


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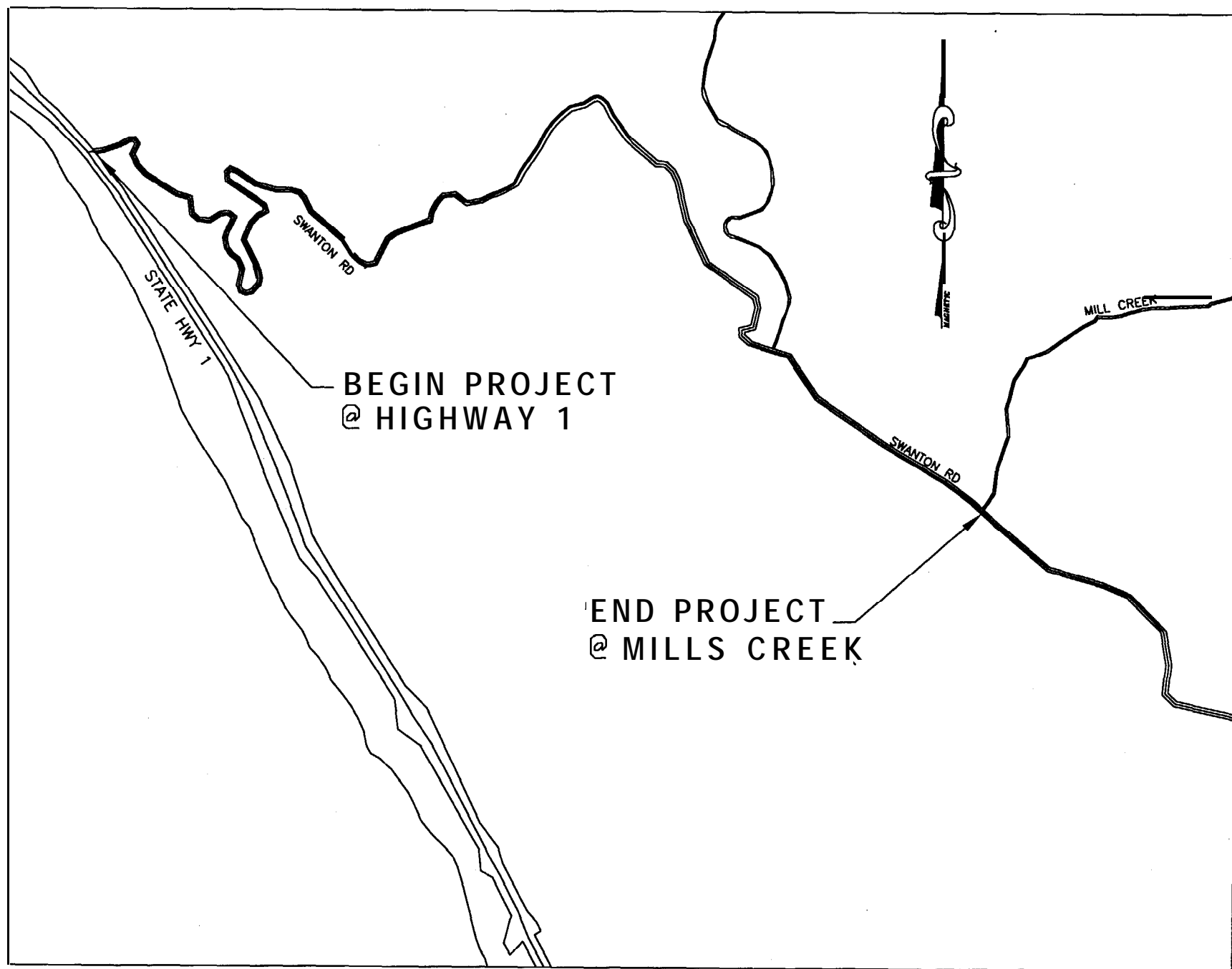
SUMMIT-OLD SANTA CRUZ HIGHWAY TO 700' WEST OF MORRILL ROAD

165

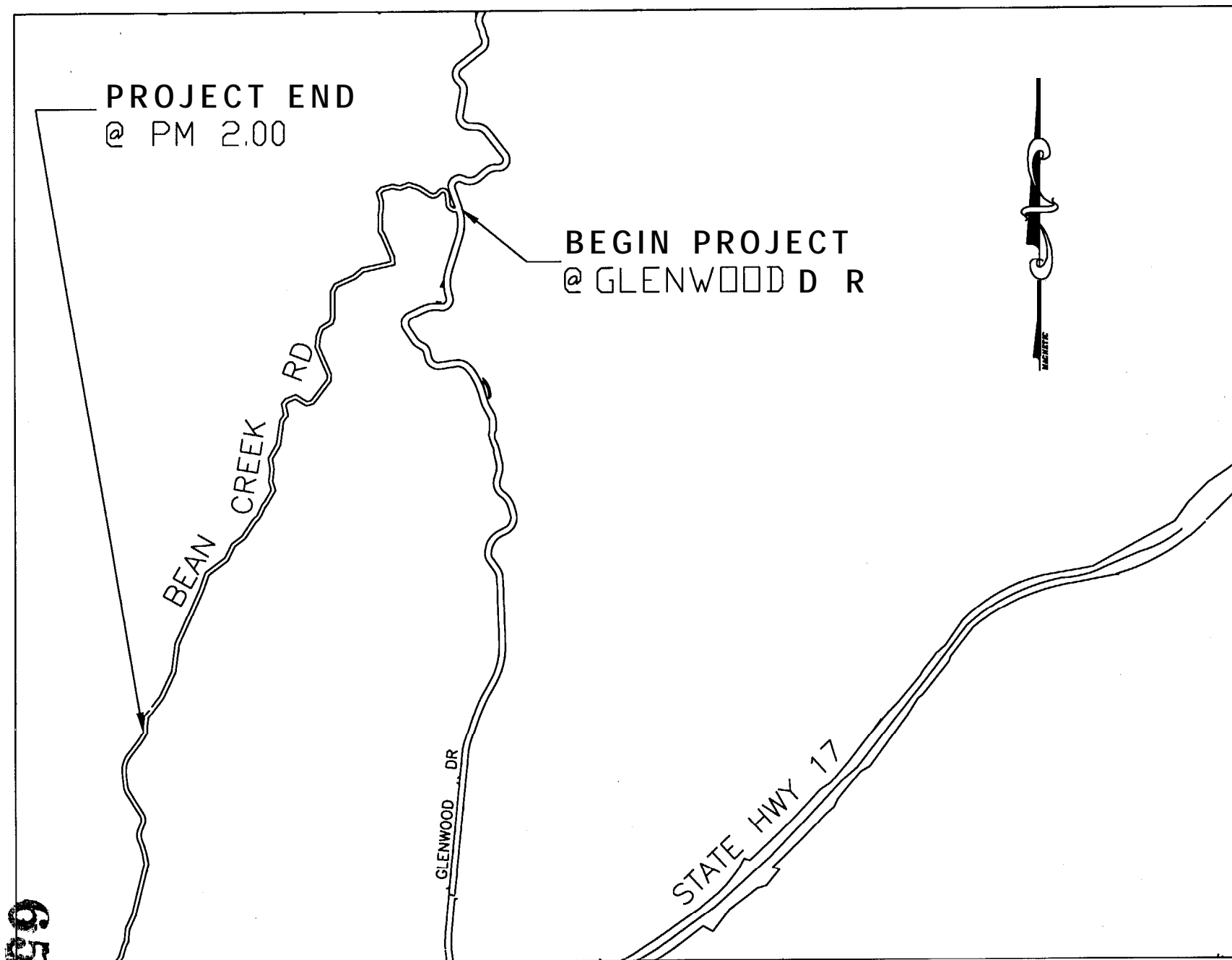


FREEDOM BLVD. - APTOS HIGH SCHOOL DR. TO GOLDEN TORCH TRAILER PARK

0477



SWANTON RD. - HIGHWAY 1 TO MILL CRK.



6.5

PROJECT END
@ PM 2.00

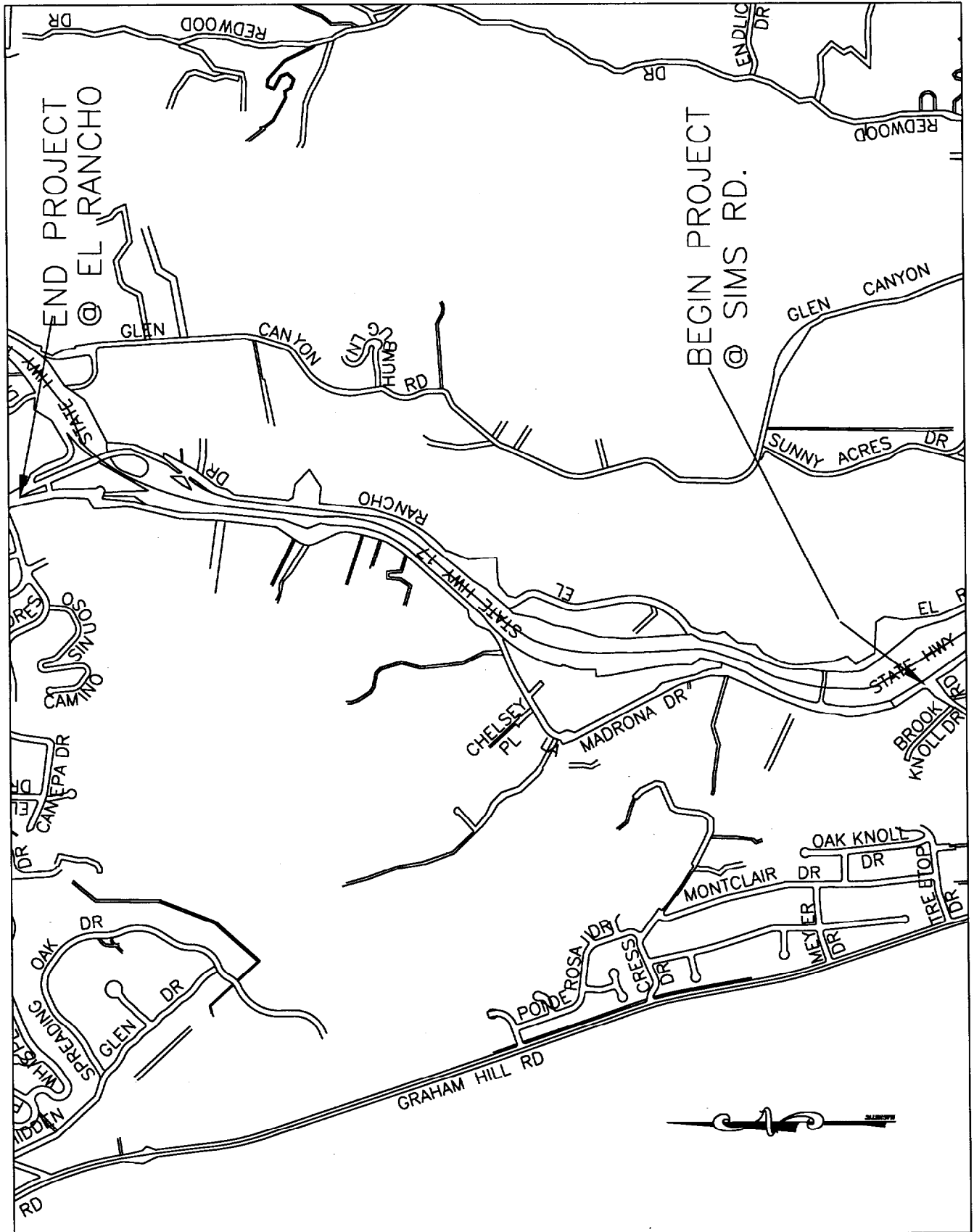
BEGIN PROJECT
@ GLENWOOD D R

BEAN CREEK RD

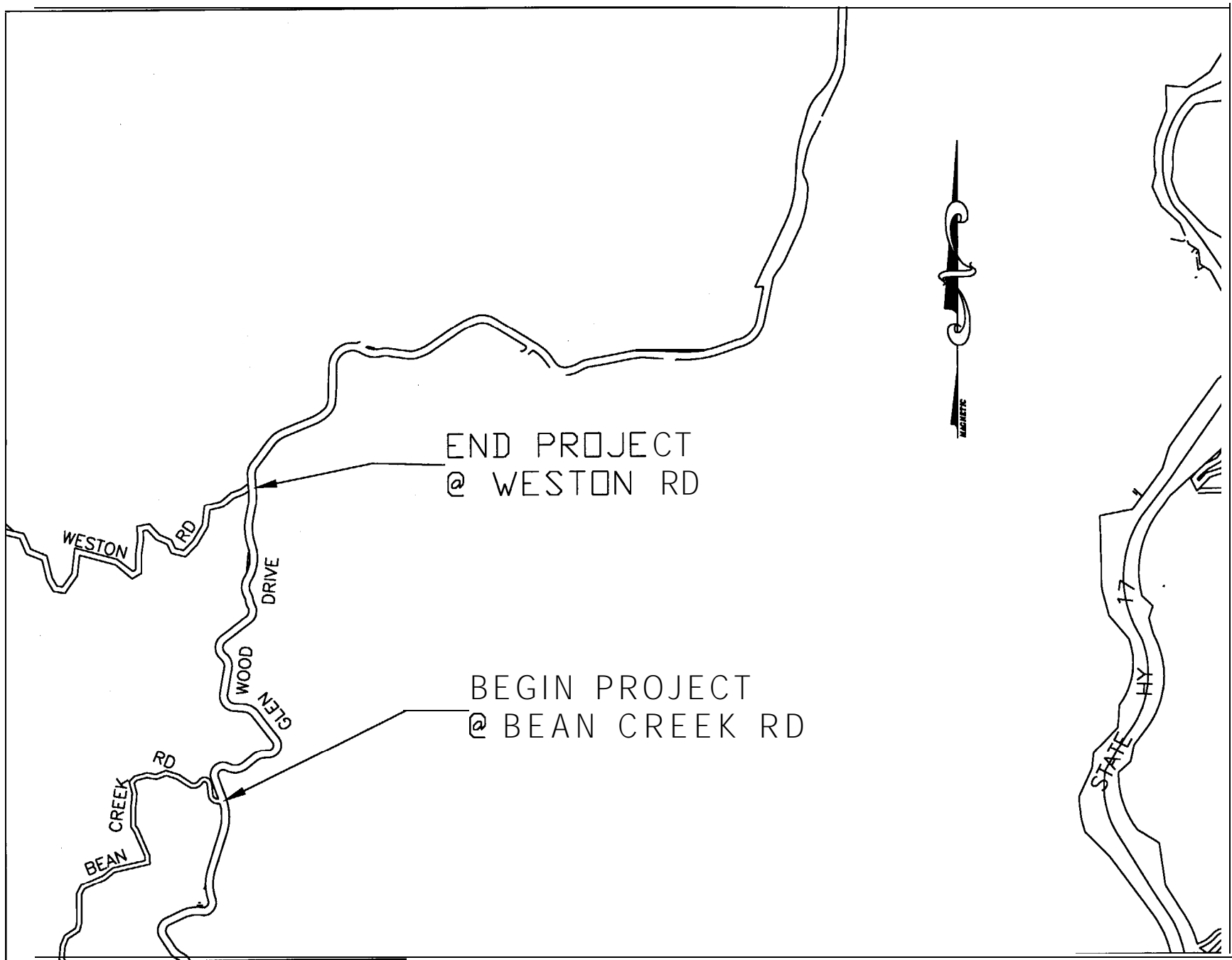
GLENWOOD DR

STATE HWY 17

BEAN CREEK DR. - P M 2.00 TO GLENWOOD DR.

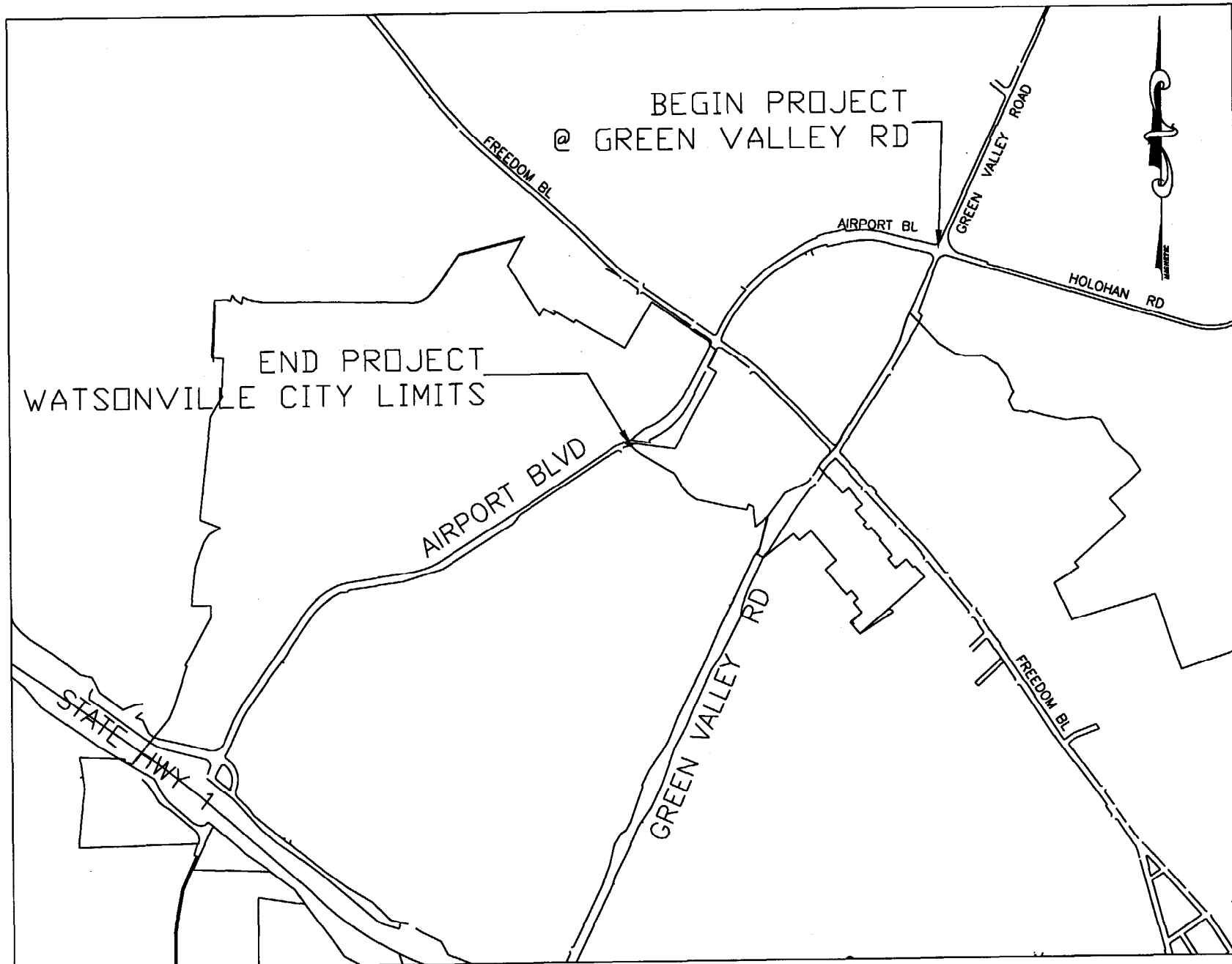


LA MADRONA DRIVE

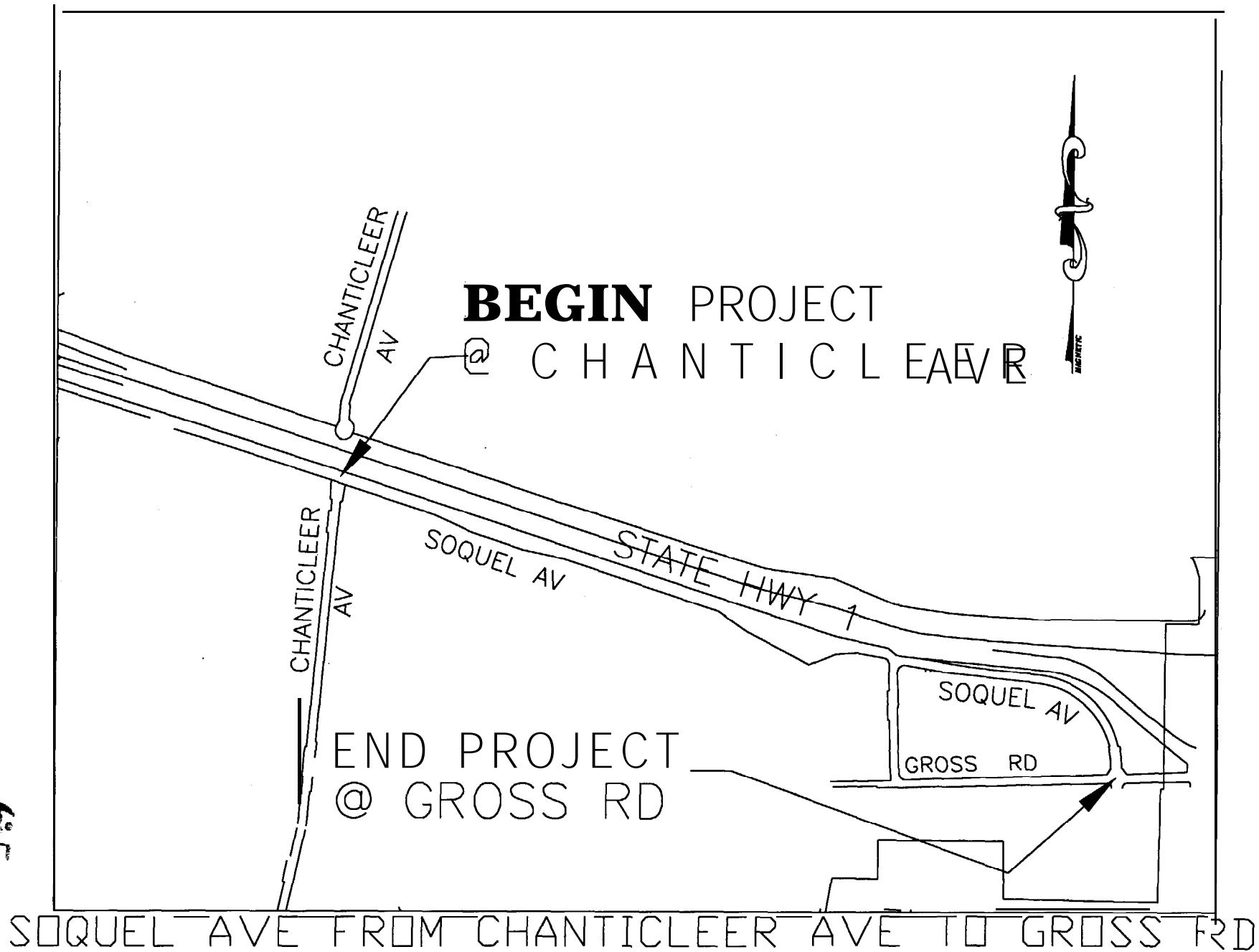


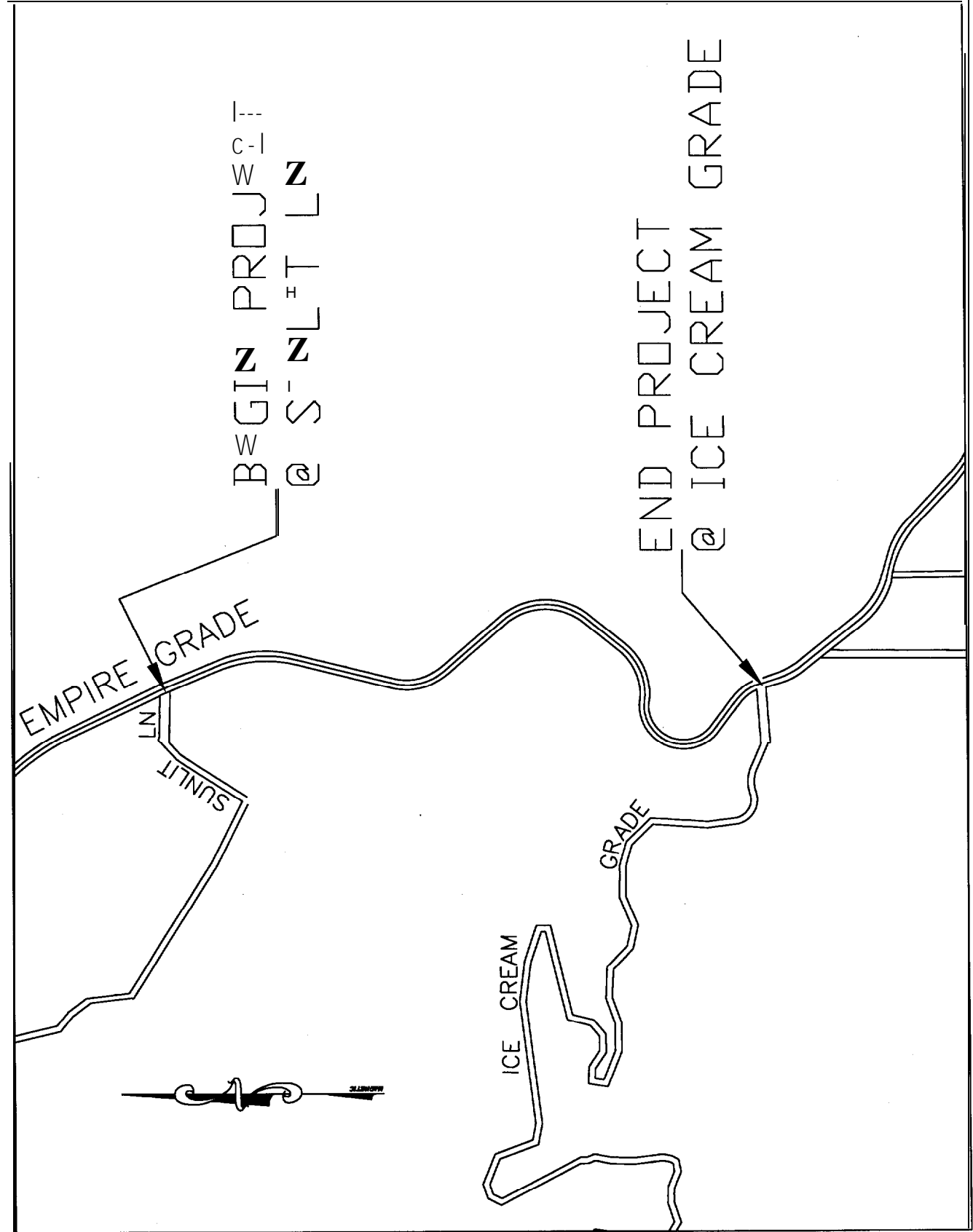
GLENWOOD DR. - BEAN CREEK RD. TO WESTON RD.

95

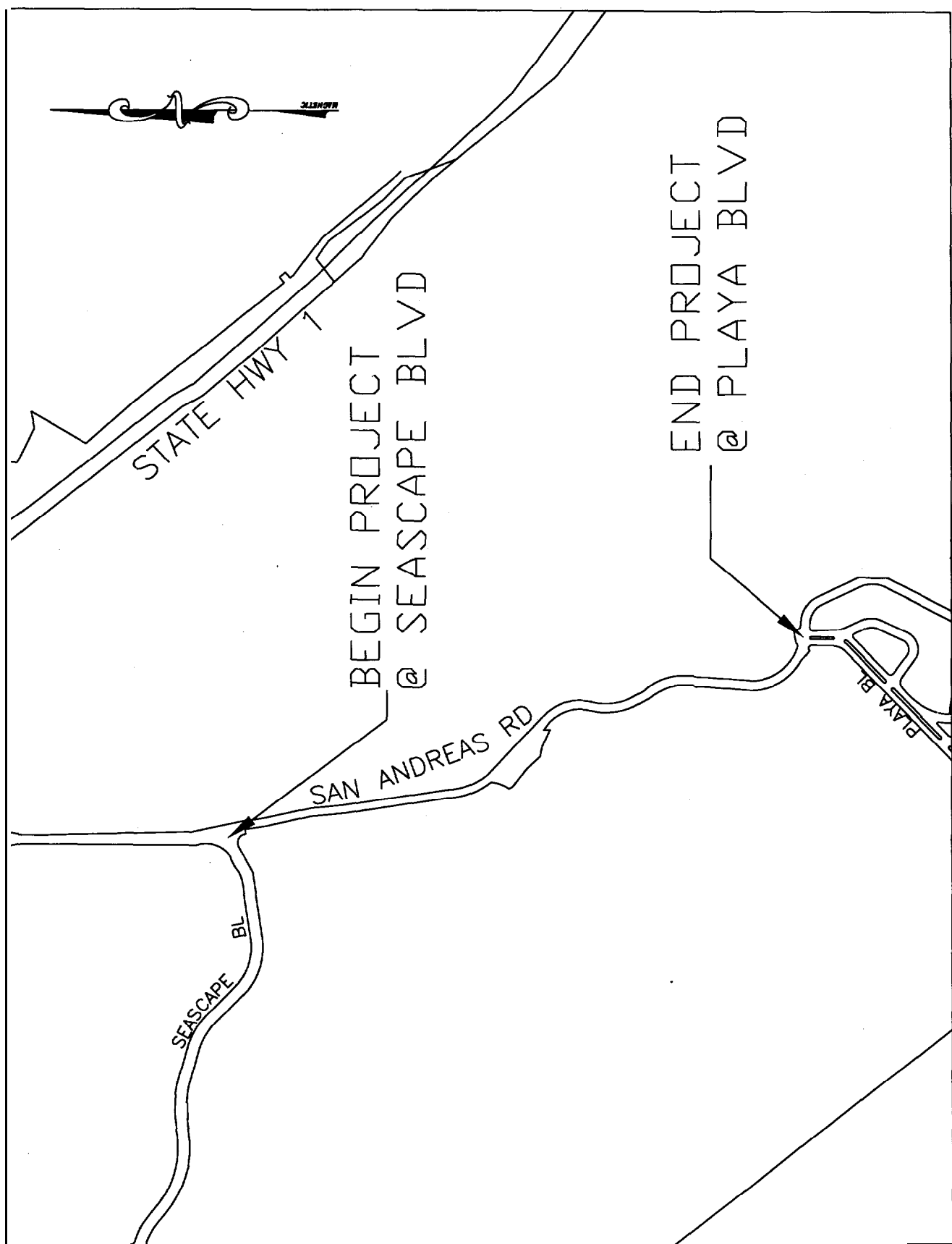


AIRPORT BLVD. - WATSONVILLE CITY LIMITS TO GREEN VALLEY RD.





EMPIRE GRADE - SUNLIT LN, TO ICE CREAM GRADE



SAN ANDREAS RD. - SEASCAPE BLVD. TO PLAYA BLVD.