

# GENERAL NOTES

- THIS NOTE HEREIN INCORPORATES BY REFERENCE, THOSE NOTES NUMBERED 1 THROUGH 17 INCLUSIVE, OF OCMA STANDARD PLAN 1801, 1986 EDITION.
- THE DEVELOPER / CONTRACTOR SHALL HAVE A COPY OF THE CURRENT OCMA STANDARD PLANS ON THE CONSTRUCTION SITE AT ALL TIMES.
- THE DEVELOPER SHALL TELEPHONE EMA/PUBLIC WORKS/ CONSTRUCTION AT 567-7800 AT LEAST 24 HOURS PRIOR TO STARTING CONSTRUCTION WORK SUBJECT TO EMA/PUBLIC WORKS' INSPECTION.
- CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN DUST FREE AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNTY'S INSPECTOR. THE ADJACENT STREETS SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCE BEING CONTROLLED AT ALL TIMES. DEVELOPER SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT STREETS AFFECTED BY HIS CONSTRUCTION METHOD. STREET CLEANING SHALL BE DRY SWEEPING OF ALL PAVED AREAS. NO SPOCKILING OF BUILDING MATERIALS WITHIN THE COUNTY RIGHT OF WAY WITHOUT THE PERMISSION OF COUNTY'S INSPECTOR.
- PRIOR TO FINAL ACCEPTANCE OF STREET IMPROVEMENTS, ALL STREET PAVEMENT, STRIPING AND STENCILING WITHIN THE PERIMETER OF THE CONSTRUCTION PROJECT WILL BE RESTORED TO A "LIKE NEW" CONDITION, IN A MANNER MEETING THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS. ALL STRIPING AND STENCILING SHALL BE ACCORDING TO STANDARD PLAN NO. 1801, NOTE 17.
- TRAFFIC SHALL BE MAINTAINED AT ALL TIMES AND SHALL BE PROTECTED WITH ADEQUATE BARRICADES, LIGHTS, SIGNS AND WARNING DEVICES AS PER THE CURRENT STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, MANUAL OF TRAFFIC CONTROLS AND TO THE DIRECTIONS OF THE COUNTY'S INSPECTOR.
- OCMA STANDARD PLANS SHALL TAKE PRECEDENCE OVER ANY CONFLICTS EXCEPT FOR STANDARD PLANS AFFECTING UTILITY COMPANIES, IF THEIR STANDARDS ARE MORE STRINGENT.

## SIGNING & STRIPING NOTES

ALL SIGNING AND STRIPING SHALL CONFORM TO THE LATEST CALTRANS TRAFFIC MANUAL AND JULY, 1984 STANDARD PLANS AND THE SPECIAL PROVISIONS.

PRIOR TO FINAL ACCEPTANCE OF STREET IMPROVEMENTS, ALL STREET STRIPING AND STENCILING WITHIN THE PERIMETER OF THE CONSTRUCTION PROJECT WILL BE RESTORED TO A "LIKE NEW" CONDITION, IN A MANNER MEETING THE APPROVAL OF THE DIRECTOR, E.M.A./PUBLIC WORKS.

STRIPING DETAILS SHALL CONFORM TO CALTRANS STANDARD PLANS A20-A&B, STRIPING SHALL BE PAINT WITH TWO APPLICATIONS, WITH 7 DAYS BETWEEN COATS.

POSTS SHALL BE PER E.M.A. STANDARD PLAN 417.

STRIPING LOCATION AT INTERSECTIONS SHALL BE IN LINE WITH CURB RETURN 1/2 LIMITS.

| UTILITY                     | CONTACT         | PHONE No. |
|-----------------------------|-----------------|-----------|
| EL TORO WATER DISTRICT      | FRED HOLT       | 837-7050  |
| LOS ALISOS WATER DISTRICT   | DAVID HEANEY    | 830-0580  |
| PACIFIC BELL TELEPHONE Co.  | MEL BROWN       | 259-4462  |
| SOUTHERN CALIFORNIA GAS Co. | DOMINICK SORINO | 364-2170  |
| SOUTHERN CAL. EDISON Co.    | JIM NEUZIL      | 458-4441  |

### UTILITY NOTE

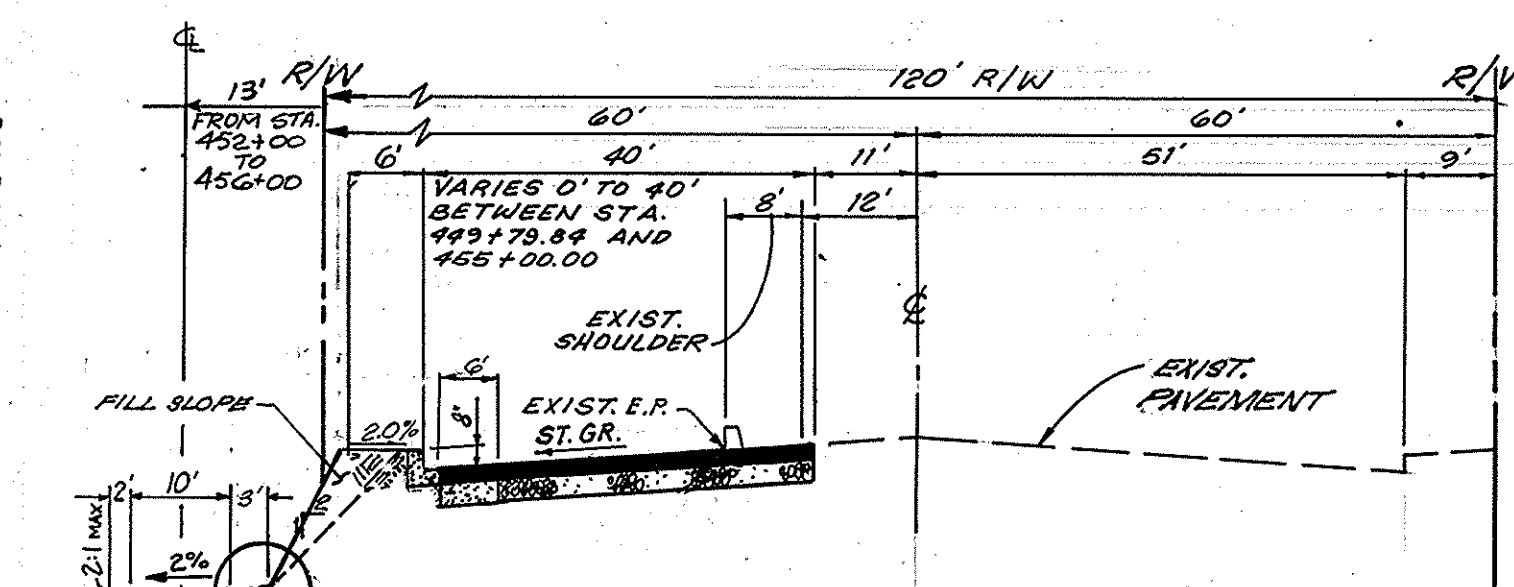
CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT LEAST 48 HOURS PRIOR TO CONSTRUCTION  
U.S.A. (800) 422-4133

### DEVIATION FROM STANDARD LIST

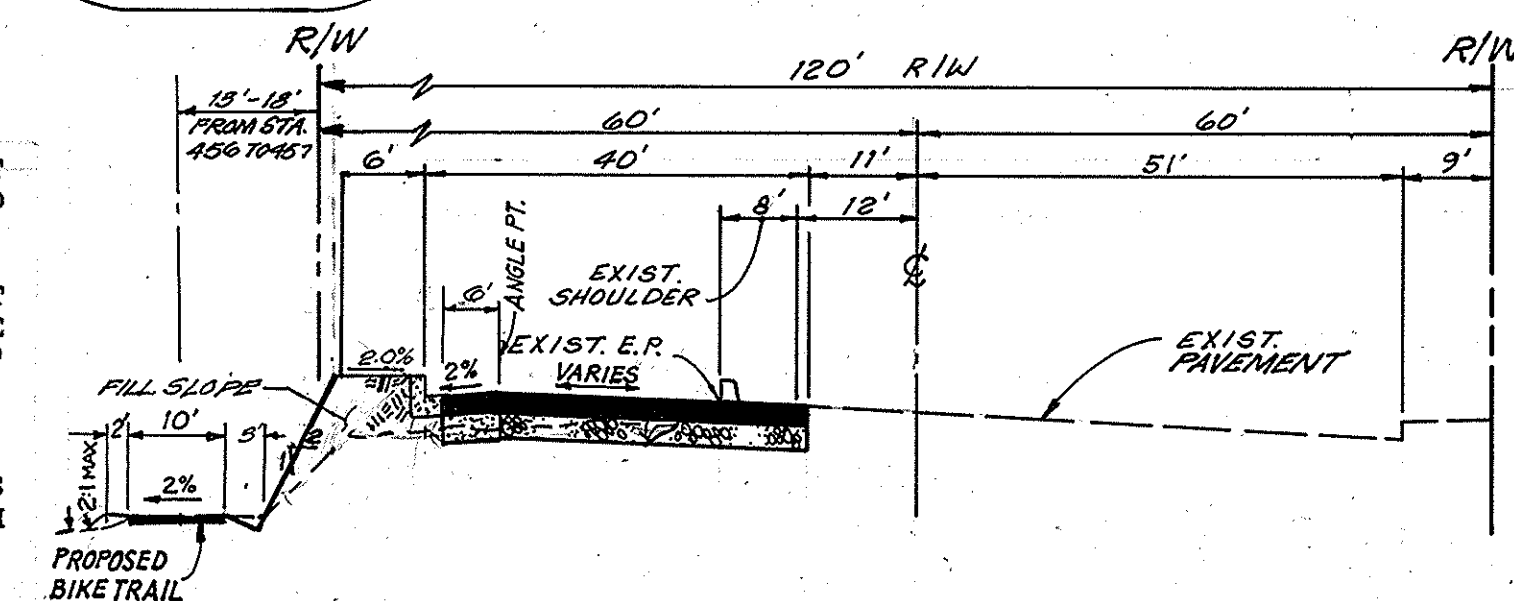
- SIDEWALK/PARKWAY O.C.E.M.A. 1101  
THE 6 FT. PARKWAY WAS USED TO REDUCE THE BIKE TRAIL ENCROACHMENT INTO THE UNIMPROVED DRAINAGE CHANNEL.
- SUPERELEVATION CAL-TRANS REQUIREMENTS  
GRADEBREAK OF THE SUPERELEVATION AT 6 FT. FROM CURB FACE RETAINED THE GUTTER AND DRAINAGE FACILITIES, AS WELL AS REDUCING FILL TO THE FILL SLOPE. THE HEIGHT WAS ALSO REDUCED, THUS KEEPING THE BIKE PATH FROM BEING PUSHED TOO FAR TO THE WEST.

# STREET IMPROVEMENT PLANS FOR EL TORO ROAD

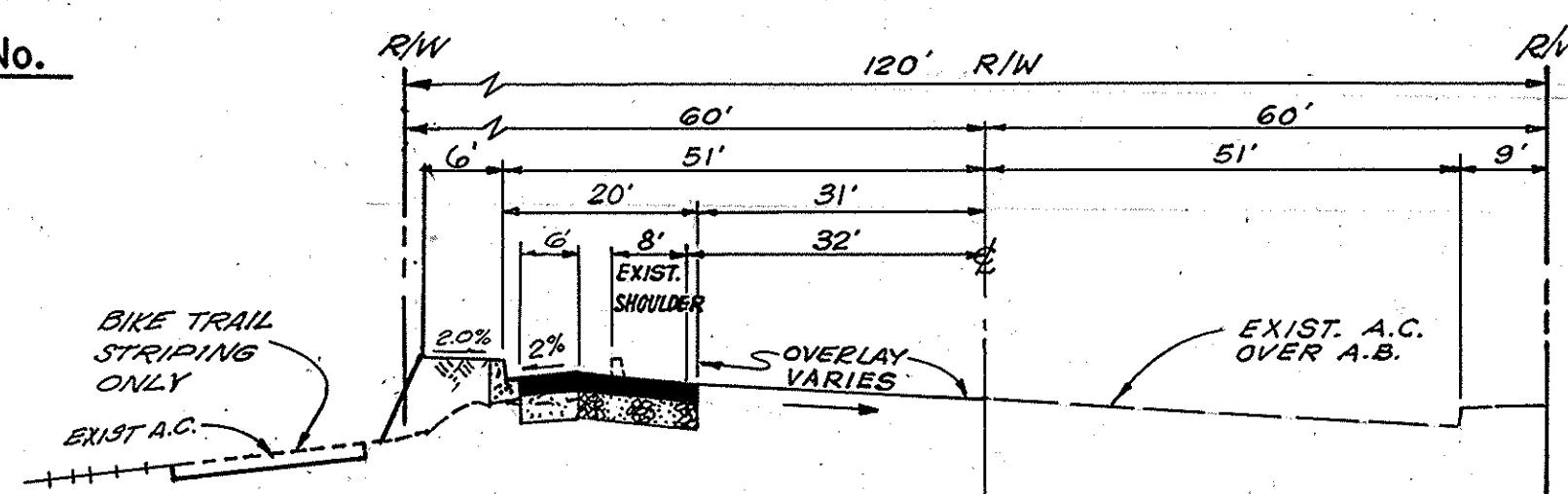
STA. 449 + 79.84 TO STA. 468 + 00.00



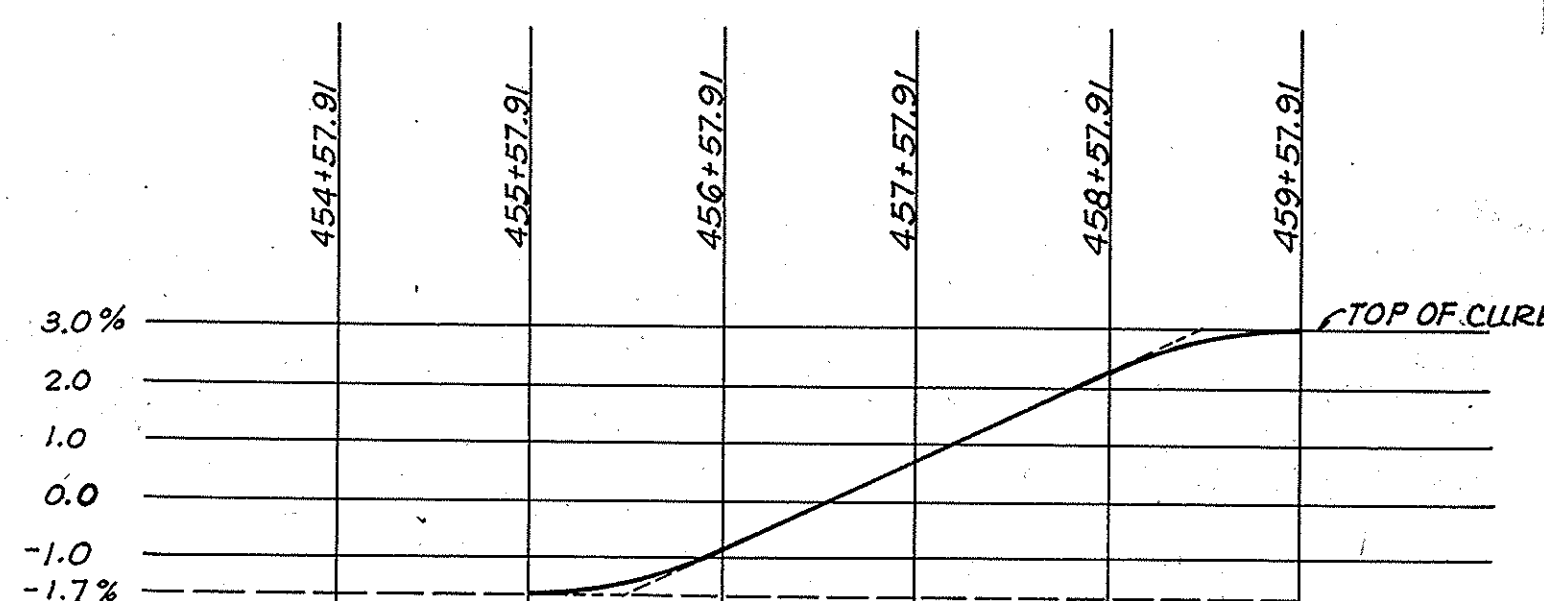
TYPICAL SECTION  
@ STA. 449+79.84  
WIDTH TRANSITION FROM STATION  
449+79.84 TO STA. 455+57.91



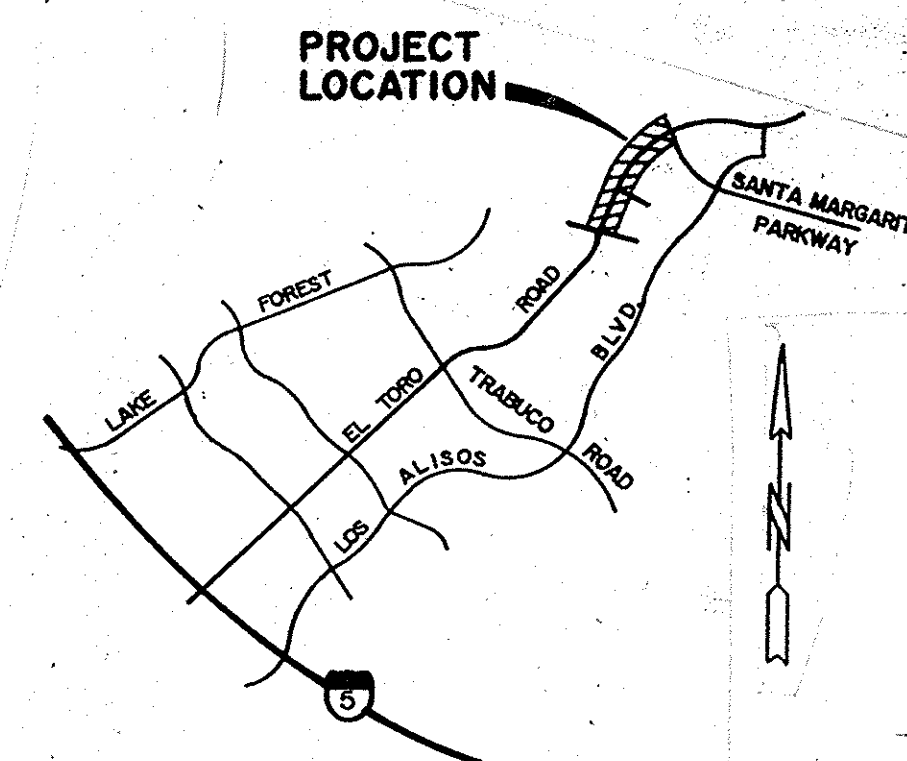
TYPICAL SECTION  
STA. 455 + 57.91 TO 458 + 00.00



TYPICAL SECTION  
STA. 458 + 00.00 TO 467 + 50.00  
(SEE PLANS PER HORIZONTAL TRANSITION)



SUPERELEVATION DIAGRAM  
STA. 454+57.91 TO 459+57.91



VICINITY MAP  
N.T.S.

## CONSTRUCTION NOTES & ESTIMATED QUANTITIES

- | NO. | DESCRIPTION                                                                                                                      | QUANTITY | UNIT |
|-----|----------------------------------------------------------------------------------------------------------------------------------|----------|------|
| 1   | CONSTRUCT 5' A.C./15" A.B. BACKFILL AS REQUIRED TO NEW F.S.                                                                      | 35,165   | S.F. |
| 2   | CONSTRUCT A2-8" CURB PER OCMA STD. PLAN 104-0-0C                                                                                 | 1785.3   | L.F. |
| 3   | REMOVE EXIST. AC. BERM, SAW CUT PAVEMENT FOR SMOOTH JOIN                                                                         | 1876     | L.F. |
| 4   | SAW CUT AND REMOVE EXIST. PAVEMENT, A.C., AND INTERFERING P.C.C. CURB TO THE SATISFACTION OF THE OCMA INSPECTOR.                 | 8220     | S.F. |
| 5   | ADJUST TO NEW GRADE                                                                                                              | 3        | EA.  |
| 6   | REMOVE IN TOTAL                                                                                                                  | 11       | EA.  |
| 7   | INSTALL VARIABLE THICKNESS AC OVERLAY AND FEATHER TO JOIN EXISTING F.S.                                                          | 25,900   | S.F. |
| 8   | CONSTRUCT 10' WIDE BIKE TRAIL, 3" AC OVER PREPARED NATIVE SURFACE, PER OCMA STD. 1621                                            | 6,300    | S.F. |
| 9   | JOIN EXISTING A.C. BIKE TRAIL, FEATHER FOR SMOOTH JOIN                                                                           | L.S.     | L.S. |
| 10  | REMOVE EXISTING OVERSIDE DRAIN AND CONSTRUCT NEW CATCH BASIN PER O.C.E.M.A. STD. PLAN 1301. NO LOCAL DEPRESSION REQUIRED.        | 1        | EA.  |
| 11  | CONSTRUCT JUNCTION STRUCTURE TYPE IV PER OCMA STD. PLAN 1313. VERIFY ELEVATION DEPTH IN FIELD.                                   | 1        | EA.  |
| 12  | CONSTRUCT LOCAL DEPRESSION PER OCMA STD. PLAN 1308.                                                                              | 1        | EA.  |
| 13  | INSTALL 12" L.F. OF 24" RCP (3500) TO TIE INTO EXIST. STORM DRAIN. VERIFY EXIST. STORM DRAIN ELEVATION IN FIELD.                 | 12       | L.F. |
| 14  | CONSTRUCT 8" A.C. BERM.                                                                                                          | 50       | L.F. |
| 15  | CONSTRUCT GRADED FILL SLOPE TO THE LIMITS SHOWN AND HYDRO-SEED THE 2:1 SURFACE.                                                  | 15,550   | S.F. |
| 16  | INSTALL 6" DIA. PVC SINGLE OUT CATCH BASIN, 30' L.F. PIPE AND A 6" ATRIUM GRATE; PIPE SHALL BE MIN. 18" BELOW F.G. AT THE INLET. | 1,448.5  | C.Y. |
| 17  | CONSTRUCT 5' A.C./15" A.B. AS REQUIRED TO MATCH EXISTING ROAD GRADE.                                                             | L.S.     | L.S. |

## DISPOSITION NOTES

- 11 RELOCATE AND/OR ADJUST TO NEW GRADE BY UTILITY OWNER.

## STRIPING NOTES AND QUANTITIES

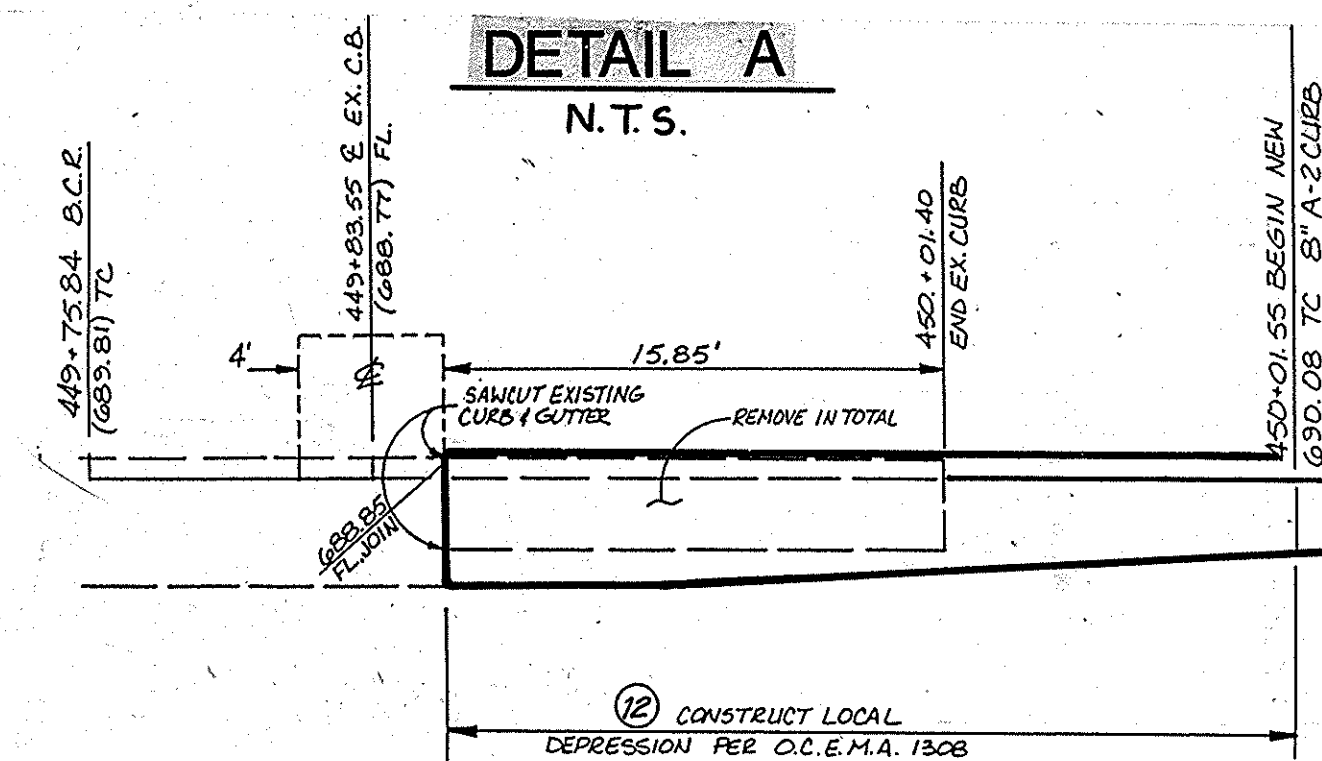
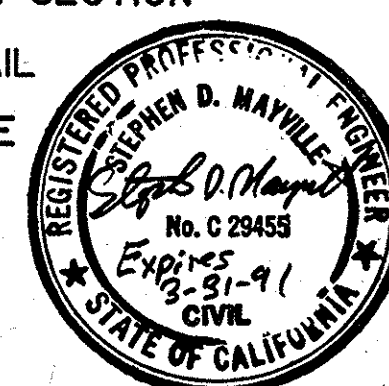
- | NO. | DESCRIPTION                                                                                     | QUANTITY | UNIT |
|-----|-------------------------------------------------------------------------------------------------|----------|------|
| 1   | SANDBLAST EXISTING STRIPE                                                                       | 5,640    | L.F. |
| 2   | PAINT 4" DASHED WHITE STRIPE WITH RAISED PAVEMENT MARKER "TYPE G" PER CALTRANS DETAIL 9         | 2,462    | L.F. |
| 3   | PAINT 4" SOLID DOUBLE YELLOW STRIPE WITH RAISED PAVEMENT MARKER "TYPE D" PER CALTRANS DETAIL 29 | 2,756    | L.F. |
| 4   | PAINT 8" SOLID WHITE STRIPE WITH RAISED PAVEMENT MARKER "TYPE G"                                | 300      | L.F. |
| 5   | PAINT WHITE STENCIL ARROW                                                                       | 216      | S.F. |
| 6   | DELETED                                                                                         |          |      |
| 7   | PAINT 4" DASH YELLOW C BIKE TRAIL STRIPING.                                                     | 660      | L.F. |

## SHEET INDEX

- TITLE SHEET & TYP SECTIONS
- PLAN & PROFILE
- PLAN & PROFILE
- SIGNING & STRIPING
- CROSS SECTIONS
- CROSS SECTIONS

## LEGEND

- |  |                                  |
|--|----------------------------------|
|  | 1 NEW PAVEMENT SECTION           |
|  | 7 OVERLAY PAVEMENT SECTION       |
|  | 8 PROPOSED BIKE TRAIL            |
|  | 15 GRADED FILL SLOPE             |
|  | 17 NEW PAVEMENT (EXISTING GRADE) |



DETAIL A  
N.T.S.

## EMA - PUBLIC WORKS

APPROVED: *C.R. Nelson* 2/19/88  
DIRECTOR OF PUBLIC WORKS DATE

## BASIS OF BEARING

THE BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE OF EL TORO ROAD NORTH OF NORMANDELE DRIVE AS BEING N 21°04'32" E AS SHOWN ON ORANGE COUNTY SURVEYOR MAP S.M. 76-1.

## BENCH MARK

#30 135 79 EL. 696.245  
49.8 FEET EAST OF THE CENTERLINE OF EL TORO ROAD, 0.35 MILE NORTHEAST OF SUMMERWOOD WAY OR ABOUT 0.1 MILE NORTHEAST OF NORMANDELE DR., ON THE NORTH CORNER OF A 6.3 BY 5.3 FEET EDISON VAULT LEVEL WITH CURB, 1 FOOT BACK OF CURB FACE 5.2 FEET SOUTH OF A 11" DIAMETER VENT PIPE 2.6 FEET HIGH.

APPROVAL  
PREPARED UNDER THE SUPERVISION OF:

*Stephen D. Mayville* 2/16/88  
STEPHEN D. MAYVILLE RCE 29455 DATE

PREPARED BY:



THE KEITH COMPANIES  
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Planning  
Civil Engineering  
Architecture  
Landscaping  
Architecture  
Land Surveying  
Construction Management

| DATE | BY | REVISION | APPD | DATE |
|------|----|----------|------|------|
|      |    |          |      |      |
|      |    |          |      |      |
|      |    |          |      |      |
|      |    |          |      |      |

EL TORO ROAD  
WIDENING AND STRIPING PLAN  
TITLE SHEET, TYPICAL SECTIONS & NOTES

SHEET  
1  
OF  
6  
JN:  
A122-002