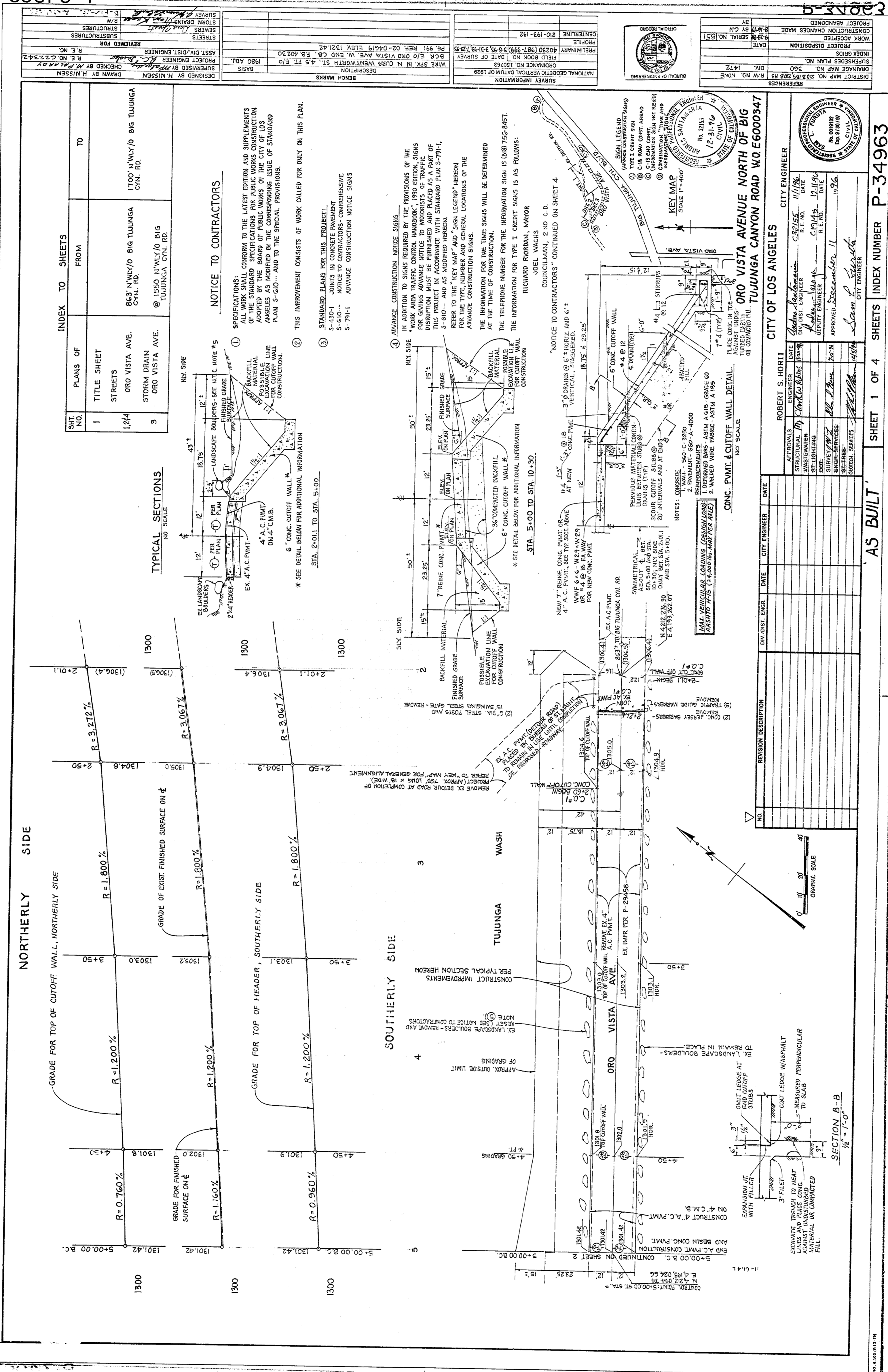


Kodak



AS BUILT SHEET 1 OF 4 SHEETS INDEX NUMBER P-34963

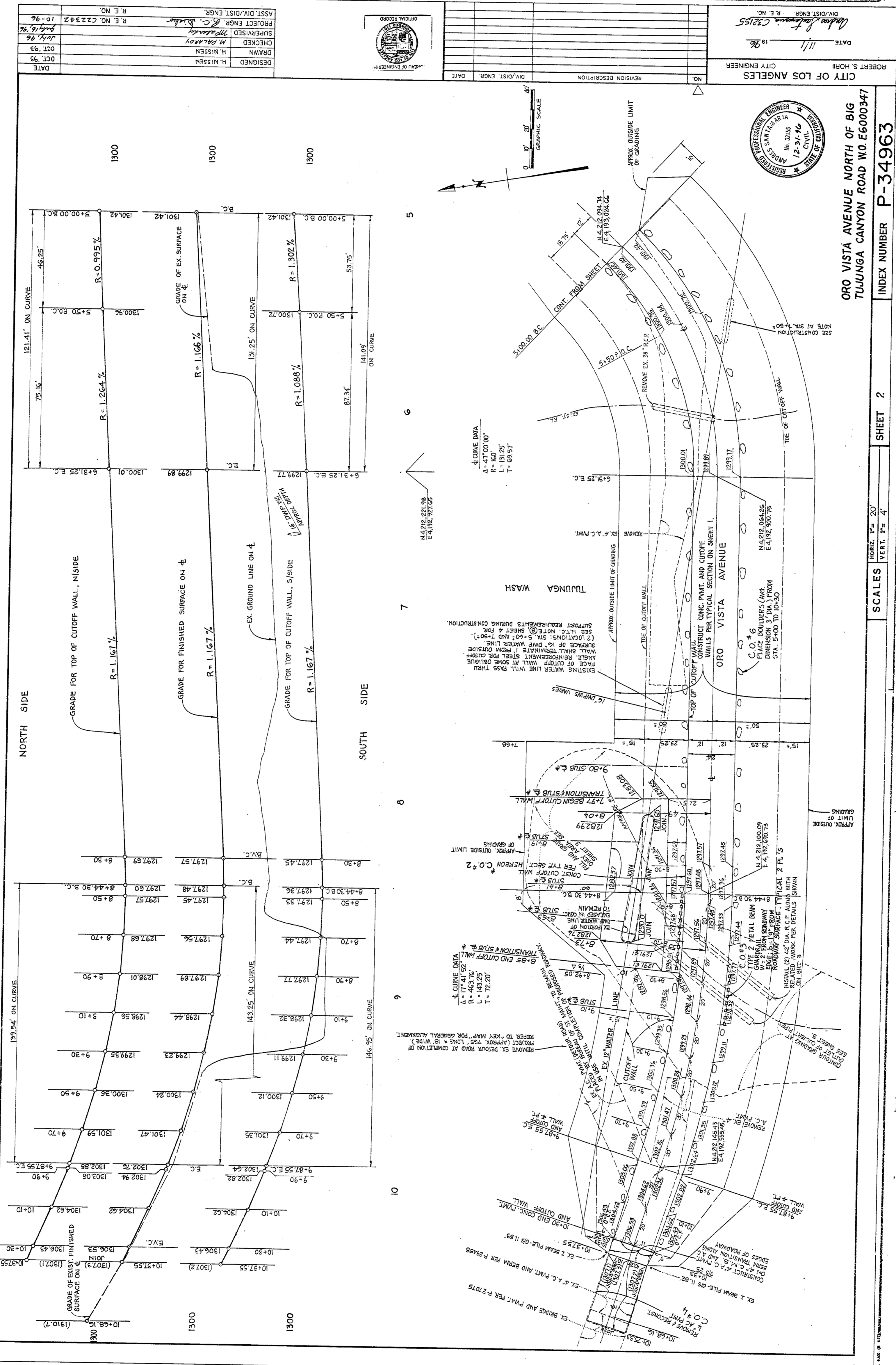
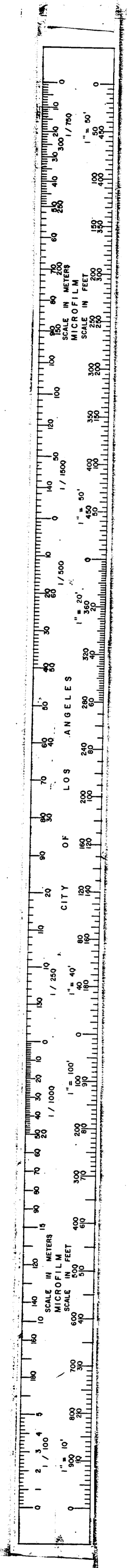
29X

I certify that this map is a true and correct copy of a record map of the City of Los Angeles, California, and has been filed in the office of the City Engineer, Los Angeles, California, on this 12th day of June, 1934, at 5:00 P.M. of the California Government Code.

12-6-99

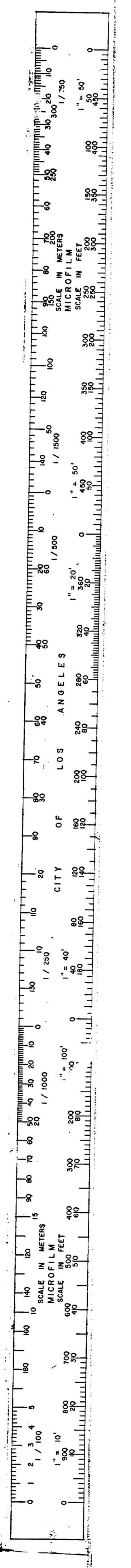
George W. H. [Signature]

CITY ENGINEER

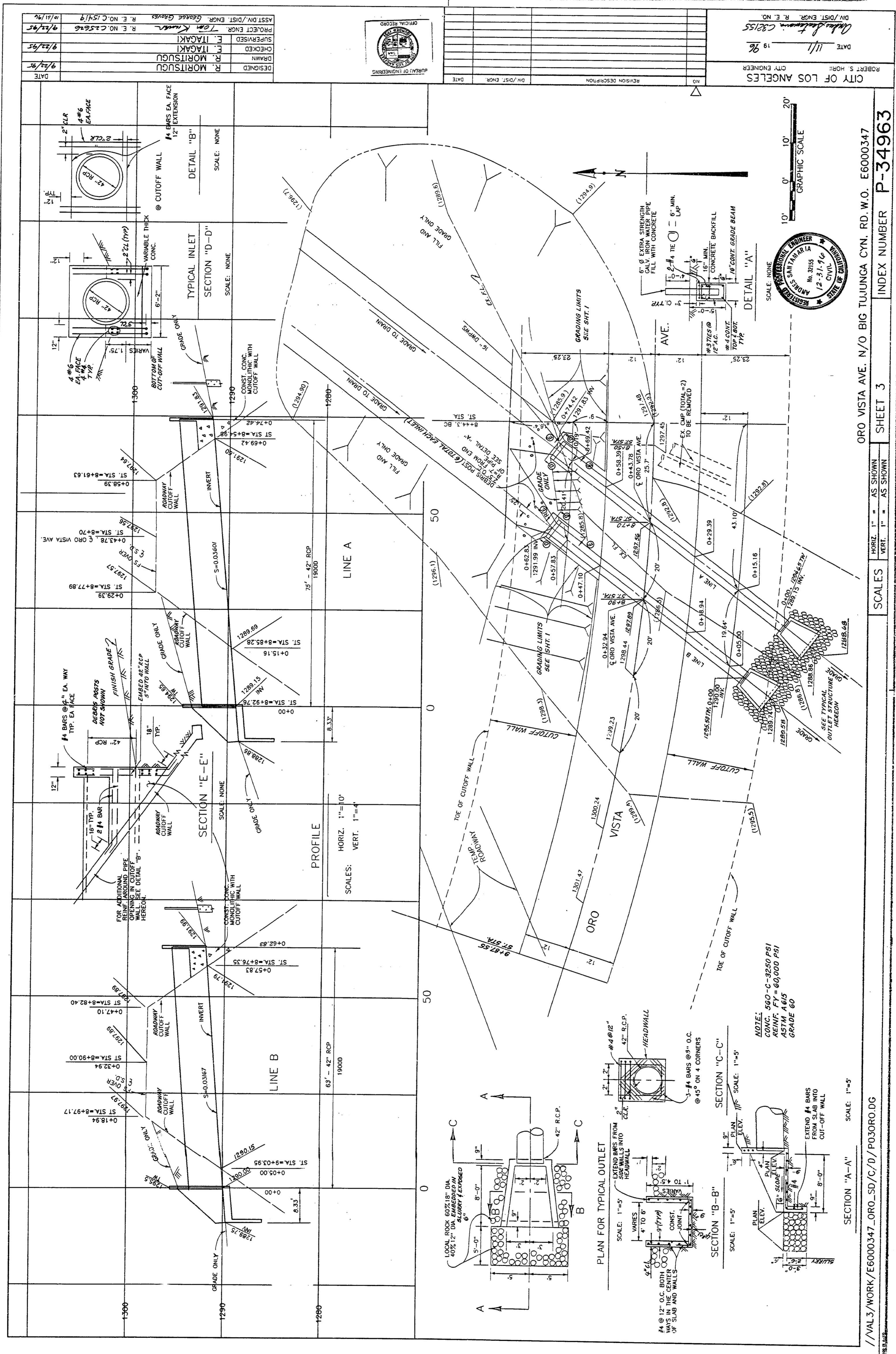


I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATIONS FOR THE PROJECT OF ROADWAY FOR THE CITY OF LOS ANGELES WERE PREPARED AND PROCESSED TO THE CITY ENGINEER'S OFFICE IN ACCORDANCE WITH SECTION 11.4, LAMC AND SECTION 11.4.1, LAMC OF THE CITY OF LOS ANGELES. I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF CALIFORNIA, LICENSE NO. 12-97-16, EXPIRES 12-6-99.

**29X**



1/2" = 10'



DATE	9/23/95
DESIGNED	R. MORTISUQU
DRAWN	E. ITAGAKI
CHECKED	E. ITAGAKI
SUPERVISED	T. KAMAKI
PROJECT ENGR.	R. E. NO. C.25616
ASST. CIV. ENGR.	R. E. NO. C.15417

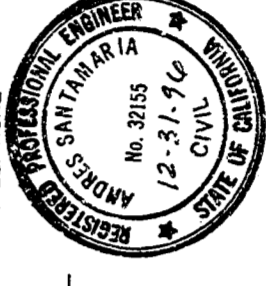


NO.	REVISION DESCRIPTION	DATE

CITY OF LOS ANGELES  
 ROBERT S. HOSH  
 CIVIL ENGINEER  
 DATE 9/23/95  
 PROJECT NO. C.25616  
 DIST. NO. C.15417

ORO VISTA AVE. N/O BIG TULUNCA CYN. RD. W.O. E6000347  
 SHEET 3 INDEX NUMBER P-34963

SCALE: AS SHOWN  
 HORIZ. 1" = 40'  
 VERT. 1" = 4'

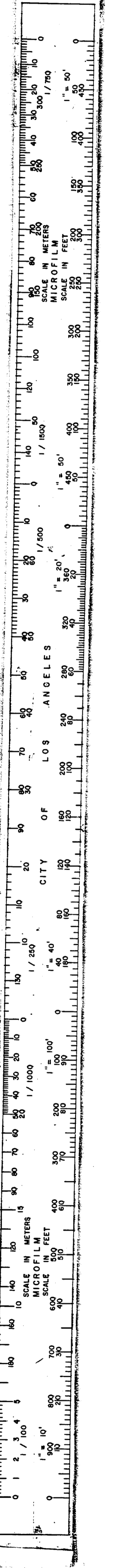


GRAPHIC SCALE  
 0' 10' 20'

29X

13-6-99  
 13-6-99  
 13-6-99

FILE:///VAL3/WORK/E6000347\_ORO\_SD/C/D/P03000.DG



Kodak

<p>DESIGNED H. NISSEN DRAWN H. NISSEN CHECKED M. P. [illegible] SUPERVISED [illegible] PROJECT ENGR. [illegible] ASST. DIV./DIST. ENGR. [illegible]</p>	<p>DATE [illegible] CITY OF LOS ANGELES ROBERT S. HORN CITY ENGINEER</p>	<p>NO. [illegible] REVISION DESCRIPTION DIV./DIST. ENGR. DATE</p>
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**NOTICE TO CONTRACTORS - CONTINUED**

⑤ THE CONTRACTOR SHALL REMOVE AND RESET THE EXISTING LANDSCAPE BOULDERS ALONG THE NORTHERLY SIDE OF ORO VISTA AVE. SET 50' FROM THE EXISTING CURB AND PLACE THEM IN THE EXISTING CUTOFF WALL. PLACED OUTSIDE THE CONSTRUCTION AREA DURING THE CUTOFF WALL CONSTRUCTION. ONCE THE CUTOFF WALL IS BUILT AND THE BACKFILL MATERIAL PLACED THE BOULDERS SHALL BE RESET APPROXIMATELY 2'-3' BEYOND THE EDGE OF ROADWAY AND THEN THE BOULDERS SHALL BE SET INTO THIS GRADED MATERIAL.

⑥ CONTRACTOR SHALL LAY PIPE WITH GROOVE (LOCKET) END OF CONCRETE PIPE AT THE ENTRANCE (UPSTREAM).

**GENERAL NOTES:**

A. IN GENERAL, THE SUBGRADE CONSISTS OF RIVER DEPOSITS VARYING IN SHAPE, SIZE AND FORM. THE MAJORITY OF THE EXISTING MATERIALS IS A GRANULAR SILTY SAND DEPOSIT WITH GRAVEL, COBBLES AND BOULDERS. THE AREA AROUND THE EXISTING CUTOFF WALL IS COMMON THAT SUCH LARGE BOULDERS CAN EXCEED SEVERAL FEET IN DIAMETER.

B. ALL CUTOFF WALLS SHALL BE FORMED AT LEAST 5 FEET INTO FIRM NATURAL SOILS OR COMPACTED FILL. COBBLES AND BOULDERS MAY BE ENCOUNTERED DURING THE EXCAVATION FOR THE CUTOFF WALLS IN WHICH CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THEM TO A POINT OTHER ALTERNATIVES SHALL BE CONSIDERED.

C. COMPACTED BACKFILL BELOW ROADWAY - AS A MINIMUM, THE TOP 3 FEET OF SOIL BELOW THE PROPOSED CONCRETE ROADWAY ALONG THE ENTIRE ALIGNMENT SHALL BE EXCAVATED AND REPLACED WITH A GRANULAR FILL MATERIAL APPROVED BY THE GEOLOGICAL ENGINEER. THE GEOLOGICAL ENGINEER SHALL INSPECT AND APPROVE THE BOTTOM OF ALL EXCAVATIONS PRIOR TO STARTING THE BACKFILL OPERATIONS. FILL MATERIAL SHALL BE PLACED IN 6" TO 8" LAYERS. FILL SHALL NOT CONTAIN COBBLES AND BOULDERS EXCEEDING 3" IN SIZE OR OTHER UNSURRABLE MATERIALS. THE TOP 3 FEET OF FILL UNDER THE ROADWAY SHALL BE PLACED IN LAYERS NOT EXCEEDING 6" IN THICKNESS. FILL SHALL BE MECHANICALLY COMPACTED TO AT LEAST 92% OF THE MAXIMUM DENSITY DETERMINED BY ASTM D 1557 STANDARD METHOD.

D. LATERAL LOADS - SHORING FOR TRENCH EXCAVATIONS SHALL CONFORM TO SECTION 306-11.6 (1974 EDITION) THROUGH SHORING FOR EXCAVATIONS NOT EXCEEDING 20 FEET IN DEPTH SHALL BE DESIGNED IN ACCORDANCE WITH TITLE 9, DIVISION 1, CHAPTER 4, SUBCHAPTER 4. OF THE CALIFORNIA CODE OF REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR THE EXISTING SOIL CLASSIFICATION SYSTEM PRESENTED IN APPENDIX A. OF THE CONSTRUCTION SAFETY ORDERS. THE EXISTING SOILS ENCOUNTERED DURING THIS INVESTIGATION SHALL BE CONSIDERED TO BE OF TYPE C.

SHORING MAY ALSO BE DESIGNED USING THE FOLLOWING EARTH PRESSURES:

- ACTIVE EARTH PRESSURE SHALL BE ASSUMED TO BE EQUAL TO THE PERMITTED TO YIELD MAY BE DESIGNED TO WITHSTAND A LATERAL FORCE EQUIVALENT TO A FLUID HAVING A DENSITY OF 92 POUNDS PER CUBIC FOOT FOR A LEVEL BACKFILL. HOWEVER, UNDELIVERED SHORING SHALL BE DESIGNED TO WITHSTAND A LATERAL FORCE EQUIVALENT TO A FLUID HAVING A DENSITY OF 92 POUNDS PER CUBIC FOOT FOR A BRACED SYSTEM IS USED INSTEAD, IT SHALL BE DESIGNED TO WITHSTAND A RECTANGULAR LATERAL PRESSURE DISTRIBUTION EQUAL TO 24 H POUNDS PER SQUARE FOOT WHERE H IS THE HEIGHT OF SHORING IN FEET.

THE ALLOWABLE PASSIVE RESISTANCE OF THE NATURAL SOIL OR OTHER MATERIALS SHALL BE ASSUMED TO BE EQUAL TO 150 POUNDS PER SQUARE FOOT OF AREA TO A MAXIMUM OF 2,200 POUNDS PER SQUARE FOOT.

E. BACKFILL MATERIAL - BACKFILL MATERIAL SHALL NOT CONTAIN ARTIFICIAL OR NONFUNCTIONAL MATERIALS. BACKFILL SHALL BE MECHANICALLY COMPACTED TO AT LEAST 90% RELATIVE COMPACTION AND PLACED AS OUTLINED IN NOTE C ABOVE.

F. INSPECTION SERVICES - INSPECTION SERVICES SHALL BE CONDUCTED AT (33) 847-4018 TO INSPECT AND APPROVE ANY IMPROVED FILL AT THE BROWDER SITE PRIOR TO IMPORT AND SHALL BE NOTIFIED BEFORE BACKFILL OPERATIONS BEGAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR THE EXISTING SOIL CLASSIFICATION SYSTEM PRESENTED IN APPENDIX A. OF THE CONSTRUCTION SAFETY ORDERS. AT LEAST 2 WORKING DAYS ADVANCE NOTICE IS REQUIRED.

⑦ THE CONTRACTOR WILL NEED TO SUPPORT THE EXISTING 14" DWVMS LINE FOR DISTANCES SPANNING SIX FEET OR GREATER DURING THE CONSTRUCTION OF THE CUTOFF WALL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUCH SUPPORT. THE SUPPORT SHALL BE AS MUCH AS SEVEN FEET AND EXTEND OVER A LENGTH OF 150' (INSIDE RET. SITS. 7'-40 AND 8'-90) DEPENDING ON THE METHOD OF CONSTRUCTION. ALSO A PORTION OF THIS WATER LINE IS TO BE REPLACED WITH 14" DWVMS LINE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR THE EXISTING SOIL CLASSIFICATION SYSTEM PRESENTED IN APPENDIX A. OF THE CONSTRUCTION SAFETY ORDERS. AT LEAST 2 WORKING DAYS ADVANCE NOTICE IS REQUIRED.

⑧ THE CONTRACTOR IS NOTIFIED THAT GROUNDWATER MAY BE ENCOUNTERED DURING CONSTRUCTION.

⑨ THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 2-5.1 OF THE CONSTRUCTION SAFETY ORDERS. THE CONTRACTOR SHALL ASSESS THE EXISTENCE OF ANY CONDITIONS AFFECTING THE COST OF THE WORK WHICH WOULD HAVE BEEN DISCUSSED BY REASONABLE EXAMINATION OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR THE EXISTING SOIL CLASSIFICATION SYSTEM PRESENTED IN APPENDIX A. OF THE CONSTRUCTION SAFETY ORDERS. AT LEAST 2 WORKING DAYS ADVANCE NOTICE IS REQUIRED.

⑩ FIELD OFFICE: THE CONTRACTOR SHALL PROVIDE A MODIFIED CLASS "B" FIELD OFFICE WITH AIR CONDITIONING AT ALL SECTIONS B OF THE S.D. THE ENGINEER AT THE FIELD OFFICE MAY BE LOCATED AT THE NEAREST AVAILABLE POWER SOURCE.

**PRO VISTA AVENUE NORTH OF BIG TUJUNGA CANYON ROAD W.O. E600347**

INDEX NUMBER **P-34963**

HORIZ. SCALE: 1" = 100'

VERT. SCALE: 1" = 10'

SHEET 4 OF 4

INDEX NUMBER P-34963

SCALE 1" = 100'

SCALE 1" = 10'

INDEX NUMBER P-34963

SHEET 4 OF 4

INDEX NUMBER P-34963

29X

I hereby certify that this is a true and correct copy of a record of the City of Los Angeles and that the same has been filed in accordance with Section 12.4 of the California Government Code.

12-6-99