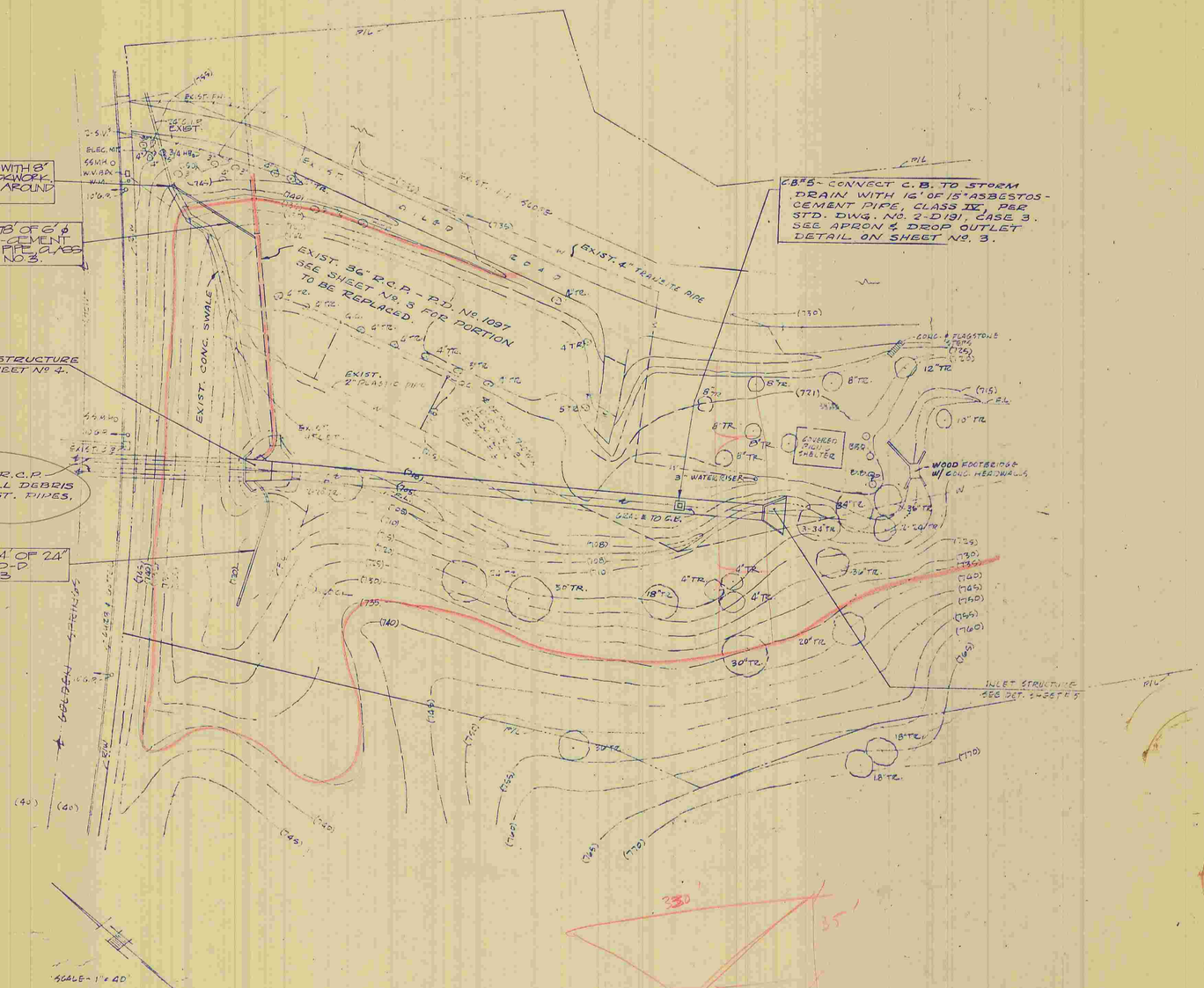
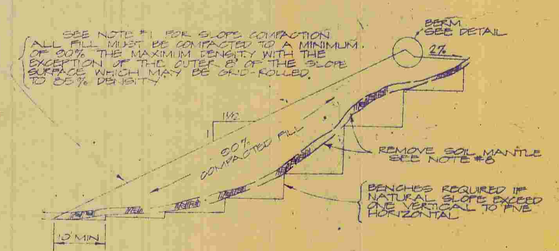


GRADING NOTES

1. ALL FILLS SHALL BE COMPACTED THROUGHOUT THEIR FULL EXTENT TO A MINIMUM OF 90 PER CENT OF MAXIMUM DENSITY AS DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D 1557-58T, MODIFIED TO CONSIST OF THREE LAYERS.
2. FIELD DENSITY WILL BE DETERMINED BY THE SAND CONE METHOD A.S.T.M. D1556-64. IN FINE GRAINED, COHESIVE SOILS FIELD DENSITY MAY BE DETERMINED BY THE DRIVE CYLINDER METHOD. U.S. BUREAU OF RECLAMATION, A.S.T.M. PROCEDURES FOR TESTING SOILS, P. 465, DECEMBER, 1964 PROVIDED NOT LESS THAN 10 PER CENT OF THE REQUIRED DENSITY TESTS, UNIFORMLY DISTRIBUTED, ARE BY THE SAND CONE METHOD. THE METHOD OF DETERMINING FIELD DENSITY SHALL BE SHOWN IN THE COMPACTION REPORT. OTHER METHODS MAY BE USED IF RECOMMENDED BY THE SOIL ENGINEER AND APPROVED IN ADVANCE BY THE BUILDING OFFICIAL.
3. NOT LESS THAN ONE FIELD DENSITY TEST WILL BE MADE FOR EACH 6 FEET VERTICAL LIFT OF FILL NOR LESS THAN ONE SUCH TEST FOR EACH 1,000 CU. YDS. OF MATERIAL PLACED.
4. THE NATURAL GROUND SURFACE SHALL BE PREPARED TO RECEIVE FILL BY REMOVING VEGETATION, NON-COMPACTING FILL, TOP SOIL OR OTHER UNSUITABLE MATERIAL WHERE THE SLOPE OF THE NATURAL GRADE IS FIVE HORIZONTAL TO ONE VERTICAL OR STEEPER. THE FILL SHALL BE SUPPORTED ON BENCHES CUT INTO COMPETENT MATERIAL. NO FILL TO BE PLACED UNTIL STRIPPING OF VEGETATION, REMOVAL OF UNSUITABLE SOILS AND INSTALLATION OF SUBDRAINS HAS BEEN INSPECTED AND APPROVED BY THE SOIL ENGINEER AND GEOLOGIST.
5. NO ORGANIC OR OTHER REDUCIBLE MATERIAL SHALL BE INCORPORATED IN FILLS. NO ROCKS OR SIMILAR IRREDUCIBLE MATERIAL WITH A MAXIMUM DIMENSION GREATER THAN EIGHT INCHES SHALL BE BURIED OR PLACED IN COMPACTED FILLS.
6. ALL WORK SHALL BE DONE IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION", 1968 EDITION, WITH LATEST REVISIONS AND SUPPLEMENTS THERETO. WORK SHALL BE INSPECTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.
7. APPROVAL OF THIS PLAN BY THE COUNTY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT.
8. DENSITY TEST WILL BE MADE AT POINTS APPROXIMATELY ONE FOOT BELOW THE FILL SLOPE SURFACE ON THE BASIS OF ONE TEST FOR EACH 1,000 SQUARE FEET OF SLOPE SURFACE, BUT NOT LESS THAN ONE TEST FOR EACH 10 FOOT VERTICAL OF SLOPE HEIGHT.
9. FILL SLOPES WILL BE PLANTED WITH AN APPROVED GROUNDCOVER, AND PROVIDED WITH AN IRRIGATION SYSTEM AS SOON AS PRACTICAL AFTER ROUGH GRADING.
10. ALL PIPE SHALL BE PLACED IN A TRENCH IN NATURAL GROUND AND/OR COMPACTED FILL. THE GROUND LEVEL BEFORE THE TRENCHING SHALL BE AT LEAST 2 FEET ABOVE TOP OF PIPE ELEVATION, OR AT FINISH SURFACE ELEVATION, WHICHEVER IS LESS.
11. GRADING CONTRACTOR SHALL PROVIDE FOR CONTRIBUTARY DRAINAGE, AT ALL TIMES.
12. FOR ADDITION TO THE GROUND COVER PLANTS, SHRUBS SPACED AT 10 FEET ON CENTERS BOTH WAYS, OR TREES SPACED AT 20 FEET ON CENTER BOTH WAYS, OR AN EQUIVALENT COMBINATION THEREOF, SHALL BE INSTALLED ON ALL SLOPES EXCEEDING 15 FEET IN HEIGHT. PLANTING METHODS AND PLANT NAMES SHALL BE SUBMITTED PRIOR TO ROUGH GRADING.

FILL INSPECTION NOTES

1. CONTINUOUS INSPECTION SHALL BE PROVIDED BY THE SOILS ENGINEER OR HIS REPRESENTATIVE FOR ALL FILL PLACEMENT AND COMPACTION OPERATIONS EXCEEDING 30 FEET IN DEPTH OR WITH A SLOPE SURFACE STEEPER THAN 2:1.
2. THE SOILS AND GEOLOGY REPORTS PREPARED BY MOORE & TAYLOR, ARE INCORPORATED AND MADE A PART OF THE PLAN.
3. ENGINEER MUST SET GRADE STAKES FOR ALL DRAINAGE DEVICES AND OBTAIN INSPECTION BEFORE PAVING.
4. CONTRACTOR TO BE RESPONSIBLE FOR GRADE STAKES; CONTRACTOR TO BE CHARGED FOR STAKES REPLACED.
5. THE PLANS OF A DESIGNED IRRIGATION SYSTEM FOR FULL COVERAGE OF ALL PORTIONS OF THE SLOPES SHALL BE SUBMITTED AND APPROVED PRIOR TO ROUGH GRADING APPROVAL BY THE COUNTY ENGINEER.



BENCHING DETAIL
NO SCALE

Vol = 96258 cy

NOTES:

1. ALL TREES INCORPORATED WITHIN THE FILL LIMITS SHALL BE REMOVED.
2. LOCATIONS OF EXIST. IRRIGATION & WATER LINES SHOWN ON THE PLAN ARE APPROXIMATE; CONTRACTOR SHALL VERIFY THEIR EXACT LOCATIONS PRIOR TO CONSTRUCTION.

DEPARTMENT OF THE COUNTY ENGINEER H.T. SCHULTZ COUNTY ENGINEER COUNTY OF LOS ANGELES	DATE	SYCAMORE CYN. PARK	SPEC. NO. 8546-PD
APPROVED:	DESIGNED BY R.L. BEE	SITE PLAN	WORK ORDER 9584.02
DIVISION ENGINEER DESIGN DIVISION	DRAWN BY E. MOORE		CAPITAL PROJECT 4308
DATE	CHECKED BY D. YAMAMURA		SHEET NO. 2 OF 7 SHEETS
	L.A. CO. NO.		
	AS BUILT CORRECTIONS		

PF546466

349 F 31.2