APPENDIX A

STORM DRAIN REALIGNMENT DRAWINGS
BY THE COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
APPENDIX A

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STRUCTURAL NOTES

1. Dimensions from face of concrete to steel are to center of bar, unless otherwise shown.

2. Concrete dimensions shall be measured horizontally or vertically on the template and parallel to, or at right angles to, the center lines of construction of the plans, except as otherwise shown.

3. All bar bends and hooks shall conform to the American Concrete Institute's "Building Code Requirements for Reinforced Concrete", Latest Edition.

4. Transverse construction joints in walls and slabs shall be in the same plane. No staggering of joints will be permitted. Transverse construction joints shall be normal or radial to the centerline of construction.

5. The transverse reinforcing steel shall terminate one and one-half inches from the concrete surfaces unless otherwise shown on the structural details.

6. Exposed edges of concrete members shall be rounded or beveled.

7. No splices in transverse steel reinforcement shall be permitted other than shown on the drawings without approval of the engineer. No more than two splices will be permitted in any longitudinal bar between transverse joints. Splices shall be staggered.

8. Longitudinal steel shall be lapped 30 bar diameters at splices. Transverse steel shall be lapped 20 bar diameters at splices.

9. Longitudinal steel shall be continuous and extended through all construction joints.

10. At the beginning and ending of all pours, a complete curtain of main reinforcement shall be placed three inches from the transverse construction joints.

11. All transverse construction joints shall be constructed with continuous waterstop.

12. Unless otherwise shown on the drawings, transverse construction joints in both slabs and walls shall be placed at the end of each pour, but the spacing thereof shall not exceed 10 feet nor be less than 5 feet.

13. Reinforcing steel shall be in accordance with AISI A 615 Grade 60.

14. Structural steel shall be in accordance with AISI A 36.

STRUCTURAL DESIGN CRITERIA

L.A.C.F.C.D. STRUCTURAL DESIGN MANUAL DATED APRIL 1982

LOADS

Dead Loads

Variable load: 90.0 p.s.f. (E.F.P.)
Concrete: 20.0 p.s.f. (E.F.P.)

Live Loads

100% of HS 20-44, 28 days (settlement)
20% of HS 20-44, 28 days (settlement)
200% of HS 20-44, 28 days (settlement)

Foundation: 4000 psi at 28 days (settlement)

Foundation modulus k = 165 p.c.i.

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APPROVED IN CONCEPT

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

PASEO DEL MAR

PROJECT NO. 655

STORM DRAIN REALIGNMENT II

STRUCTURAL NOTES

DATE

REVISIONS

ACCOUNT PROJECT FILE NAME

REVISED BY

DATE

TIME

FILE