ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

NOTES:
1. SEE DRAINAGE PROFILE DRAWINGS FOR ELEVATIONS.
2. THE SURFACE OF THE GRAVEL IS TO BE COVERED WITH A "DUNGENESS" FABRIC MATERIAL (RATED 455).
   BRING FABRIC UP SIDES TO 4" ABOVE SAND, ADHERE TO WALL WITH APPROVED SEALANT.
3. SITE 5, (3) HOLES AT FLOOR LEVEL.
4. PROVIDE 90mm DEEP V-NOTCHES EVERY 3 FEET.

DETAIL
SCALE: 1:30

0.25

CHAIN LINK FENCE, 4 FT HIGH. VINYL COATED MATERIAL AND POSTS ALL AROUND STRUCTURE

REMOVABLE CAP
STAINLESS STEEL PIPE SUPPORT SEE DETAIL

FILTER BASIN

SEE PLAN FOR PIPE ROUTING

INLET PIPE SEE DRAINAGE PROFILE DRAWINGS FOR SIZE AND LOCATION

SEWAGE BASIN

DRAINAGE DETAILS

SUMP PUMP SEE SPECS FOR SUMP LOCATION
SEE D-21

PVC AEIR PLATE (NOTE 4)

100 mm UNDERRAIN PIPE

150 mm COLLECTOR PIPE, 1% SLOPE

150 mm PVC

SECTION
SCALE: 1:20

0.10

300 mm X 12.7 mm

15.3 mm BREADTH

WATERSTOP, TYP

H H H H H

SAND, SEE SPECS

NOTE 2

GRAVEL, SEE SPECS

NOTE 1

SAND, SEE SPECS

NOTE 2

15x1500 mm EW, TYP

15x1500 mm EW, AT W/D DEPTH OF SLAB

DRAIN+ BASEMENT

AS BUILT

FOR REUSED PLANS ORIGINALLY SCALE IN MILLIMETERS

CL 00000
LA 00000

DATE
MAY 26, 2000

SIGNED AND CALIBRED

TERRY VON KARMAN
IRVING, CA 76001

REGISTERED CIVIL ENGINEER
GENERAL

01. Scope
The general notes and typical details are general requirements. If the project contract were to have specific indications refer to the project contract.

02. Applicable Specifications and Codes
Constructions shall be in accordance with the 1996 Edition of the Uniform Building Code (UBC). The UBC shall govern except where otherwise applicable. Details may be used on the contractor's plans with substantiating calculations and test data. If the alternate plans are accepted by the District.

03. Alternative Designs
The structural and special details on these plans are the priority design alternative. Additional special details may be included in the contractor's alternate plans, with substantiating calculations and test data. If the alternate plans are accepted by the District.

04. Dimensions
Structural dimensions controlled by or related to mechanical or electrical equipment shall be verified by the contractor prior to construction.

05. Preceding Precautions
Mechanical and electrical equipment supports and obstacles, openings, recesses and reveals not shown on the structural drawings but required by other contract drawings shall be provided prior to casting concrete.

06. Construction Details
Structures have been designed for operational loads on completed structures. Structures shall be protected by covering and shielding whenever excessive construction loads may occur during construction.

07. Drainage Surfaces
Slope drainage surfaces uniformly to drain. Slope shall be 1/2" per foot except where noted otherwise on plans.

CONCRETE

01. Applicable Code

02. Reinforcing Steel Details
All reinforcing, fabrication and erection of reinforcing bars, unless otherwise noted shall be in accordance with Manual of Standard Practices for Fabricating and Erection, Concrete Reinforcing Steels Institute (ACI-318), Latest Edition.

03. Concrete Details
A. Concrete to have ultimate compressive stress at 28 days.
B. Reinforcing Steel
50 ksi, ASTM A 705, Grade 40, deformed bars

04. Concrete Cover
Concrete cover for reinforcing bars shall be 50mm for both surfaces unless specifically noted otherwise, footings and foundation mats cast on ground shall be 75mm.

05. Extra Accessory Bars
In addition to normal accessories used to hold reinforcing steel, form in position. Extra accessory bars shall be used as follows:
A. In slabs as per sleeper bars at 3000 mm maximum to support top reinforcing steel.
B. In walls with 2 curvatures of 2 to 1800 mm maximum spacing at 600 mm.

06. Bar Lap Splices
Connections details for the same size and spacing as bars with which they are connected. Unless otherwise noted, all lap splices shall be 40 mm. Batten plates may be included as required. Bar lap splices in columns shall have at least 48 mm diameter lap.

STANDARD JOINTS

Class I joints in 90°-right angle bends or sides shall conform to the requirements of ACI-318.

CURVED SLABS
Concrete slabs with tops that are sloped shall have bottom slopes the same amount, maintaining a uniform slab thickness. Unless otherwise shown.

GALVANIZED SUPPORTS
Concrete slabs supported by grade, unless otherwise noted, shall be 150mm thick reinforced with 60 mm of Grade 400/Slab.

STEEL

01. Applicable Code
Steel construction shall conform to specifications and standards presented in the current edition of the AISC Manual of Steel Construction.

02. Material
All structural shapes, bars, plates, and sheets indicated on the drawings shall be steel, meeting ASTM A-36 unless otherwise noted.

03. Bolting
Bolts shall be done in accordance to the size of bolt and nuts, meeting ASTM 185-60 unless otherwise noted.

04. Encased Steel
Steel completely encased in concrete shall not be grouted or painted and shall have a clean surface for bonding to concrete.

05. Galvanizing
Structural steel shall be painted in accordance with specifications.

ALUMINUM

01. Applicable Code
Aluminum construction shall conform to the latest edition of the Aluminum Association.

02. Material
Aluminum or other specified materials shall be aluminum as specified in ASTM B-209.

03. Contact with Concrete
Contact surfaces shall be contacted with heavy alkali-resistant galvanizing tapes in contact with concrete or masonry surfaces.

AS BUILT

By: MAY 26, 2000

D-27

STRUCTURAL GENERAL NOTES
NOTES:
1. ALL 90° BENDS SHALL BE STANDARD HOOKS PER ACI 318 UNLESS OTHERWISE SPECIFIED.
2. SEE OTHER DETAILS AND NOTES FOR SIZE AND SPACING OF REINFORCING.
3. LAP AND HOOK FOOTING BARS AT CORNERS AND INTERSECTIONS SAME AS FOR WALLS.
   EXCEPT THAT ADDED VERTICAL AT CORNERS AND INTERSECTIONS ARE NOT REQUIRED.

REINFORCING STEEL AT WALL INTERSECTIONS

DETAIL 1/4 IN SCALE: NO SCALE

EXTRA BARS
EQUAL TO BARS CUT AT RECL
TANGENTIAL ON CIRCULAR DYM
= 15 IN 5000 OR EACH CORNER

REINFORCING AT SLAB AND WALL OPENINGS

DETAIL 1/4 IN SCALE: NO SCALE

FOR CIRCULATION OPENING

NOTES:
1. TRANSFERRED REINFORCEMENT NOT SPECIFIED, BUT
   SHALL BE TREATED IN SAME MANNER AS BARS SHOWN.
2. W = DIMENSION OF OPENING PERPENDICULAR
   TO BARS CUT.
3. FOR CIRCULAR OPENINGS W = DIAMETER
4. SUPPLEMENTARY REINFORCEMENT NOT REQUIRED WHEN
   SPECIFIED REINFORCEMENT IS CUT.
5. ALL OPENINGS IN WALLS AND SLABS LARGER THAN
   1500MM IN ANY ONE DIRECTION SHALL CONFORM TO DETAIL.

REINFORCING AT SLAB
AND WALL OPENINGS

DETAIL 1/4 IN SCALE: NO SCALE

AS BUILT

DATE: MAY 26, 2000

TYPICAL CONCRETE AND MISCELLANEOUS DETAILS

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LEGEND:

1. STANCHION MOUNTED JUNCTION BOX, WEATHERPROOF
2. STANCHION MOUNTED DUPLEX RECEPTACLE OUTLET, WEATHERPROOF
3. EXISTING SWITCHBOARD/PANELBOARD AND CABINET
4. EXISTING ELECTRICAL EQUIPMENT
   --- - - - CROSS LINES INDICATES NUMBER OF 1/2" AND NO CROSS LINES INDICATES 2" AND NO, UNLESS OTHERWISE NOTED, ALL CONDUITS ARE CONDUCTORS, UNLESS OTHERWISE NOTED
5. P-1,3,4 CONDUIT, METALIC UNDERGROUND
6. E- EXISTING CONDUIT TO REMAIN

NOTES:

1. TYPE III OF SERVICE EQUIPMENT ENCLOSURE WITH PROVISIONS FOR 208/230V 1-50A, 3-PHASE 3-WIRE 120/208V, 4-WIRE 208/230V TT PANELBOARD WITH 50A/2P MAIN AND 1-50A/2P, 6-20A/1P BRANCH CIRCUIT BREAKERS
2. FOR CONNECTION OF INFLOUENT/IN-FLOW SAMPLER AND FLOW METER
3. FOR CONNECTION OF EFFLUENT/OUT FLOW SAMPLER AND FLOW METER
4. EFFLUENT PUMP MOTOR (208/230V, 3-PHRASE) WITH FLOAT SWITCH
5. NEMA SIZE 1, 1-PHASE MOTOR STARTED WITH H-O-A (HAND-OFF-AUTOMATIC) SWITCH FOR FLOAT CONTROL

AS BUILT

ELECTRICAL LEGEND, NOTES AND DETAILS

DATE: MAY 20, 2000