NOT TO SCALE

SECTION A–A

NOT TO SCALE

LOT LINE OR EASEMENT LINE

PUMP DISCHARGE TO DISPOSAL FACILITY

12' WIDE PAVED MAINTENANCE ACCESS TO BASIN AND PUMPS.

PLAN

NOT TO SCALE

NOTES:
1. VARIATIONS TO THE DIMENSIONS AND DESIGN MUST BE APPROVED BY THE CITY ENGINEER.
2. ADDITIONAL REQUIREMENTS MAY BE IMPOSED AS PART OF THE DEVELOPMENT APPROVAL.
3. A MINIMUM 12' WIDE ASPHALT PAVED ROADWAY IS REQUIRED AROUND THE PERIMETER OF THE BASIN. MINIMUM 2" THICKNESS ON 6" COMPACTED BASE.
4. DRY WEATHER NUISANCE WATER DESIGN WATER SURFACE TO BE CONTAINED WITHIN PIPING SYSTEM.
5. PROVIDE STORM INTERCEPTOR ON PIPELINE JUST PRIOR TO FLOWING INTO BASIN (AND NOT SUBJECT TO FLOW REVERSAL) AND ACCESSIBLE TO MAINTENANCE EQUIPMENT/PERSONNEL (ALSO TYPICAL LOCATION ON DRAWING). APPROVED HYDRODYNAMIC SEPARATORS: BRYSAVER, FLO–GUARD OR VORTECHS.
6. FOR BASINS DISCHARGING INTO CREEKS OR M.I.D. FACILITIES, PROVIDE: a) HIGH WATER CUT-OFF PER CITY STANDARD SD-34, b) BASIN AND/OR PIPING Sized FOR UNINTERRUPTIBLE FLOW, AND c) SEDIMENT, SOLIDS AND FLOATABLE SEPARATOR/REMOVAL SYSTEM PRIOR TO FLOW INTO CREEK OR M.I.D. FACILITIES AND ACCESSIBLE TO MAINTENANCE EQUIPMENT/PERSONNEL (ALSO SHOW TYPICAL LOCATION ON DRAWING).

FENCED BASIN DETAIL

SD-30

ENGINEERING DEPARTMENT
CITY OF MERCED, CA.

DRAWN: KGE
APPROVED BY: L. J. INDU
DATE: 6/03
REVISED: 3/17/08
CITY ENGINEER
3/17/03
SHEET OF

18" MIN.
12' FREEBOARD (MINIMUM)
50 YEAR DESIGN WATER SURFACE
10 YEAR DESIGN WATER SURFACE
INFLOW/DISCHARGE STRUCTURE
1' FREEBOARD (MINIMUM)
BASIN FLOOR

HIGHEST WATER TABLE RECORDED
BY M.I.D. IN PRECEEDING 10 YEARS

TOP OF BANK
LOWEST TRIBUTARY CROWN OF STREET
ELEVATION OR LOWER.
LOWEST INLET GUTTER ELEVATION

LOT LINE
6' CHAIN LINK FENCE PER
CITY STANDARDS F-1, 2 & 3.

1:5 MAX.