NOTES:
1. REINFORCED PRECAST CONCRETE MANHOLE SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF ASTM C-478 AND:
   A. SHALL BE DESIGNED FOR AASHTO H-20 LOADING.
   B. CONCRETE SHALL BE COMPACTLY VIBRATED, CERIFUGALLY SPUN, OR MECHANICALLY TAMPED.
2. SEWER MAINS ARE TO BE LAYED THRU THE MANHOLE WHERE POSSIBLE AND USED AS A FORM FOR THE INVERT. THE TOP 1/2 DIAMETER OF THE PIPE IS TO BE BURNT OUT TO A NEAT LINE. BROKEN EDGES SHALL BE PLANED SMOOTH WITH CEMENT MORTAR.
3. CONCRETE BASE SHALL BE OF CLASS "A" CONCRETE AND PLACED IN ONE OPERATION. CONCRETE INVERTS SHALL BE TRUE TO GRADE AND ALIGNMENT AND FINISHED WITH A SMOOTH SURFACE. SPECIAL CARE SHALL BE USED IN FORMING ALL CHANNELS TO FACILITATE THE FLOW OF SEWAGE.
4. SHALLOW MANHOLE AS SHOWN HEREON TO BE INSTALLED WHEN DEPTH TO PIPE SHELF IS LESS THAN 5' FROM FINISHEE STREET GRADE.
5. SEE DRAWING SB-61 FOR DETAILS AND INSTALLATION OF MANHOLE, COVER AND FRAME.

6. MANHOLE STEPS SHALL BE CAST IN PLACE AND ORIENTED 180° FROM MANHOLE OUTLET. GRADE RING STEPS SHALL BE PLACED BETWEEN GRADE RINGS AND GROUTED IN PLACE. BOTTOM STEP TO BE USED AS CLEANING HOOK AND SHALL BE PLACED 6" MIN AND 32" MAX FROM TOP OF SHELF.

SECTIONAL ELEVATION A-A

BASE PLAN

JOINT DETAIL

MANHOLE STEP DETAILS

GRADE RING STEP

REVISIONS

NO. | DATE | INITIAL | DESCRIPTION
---|------|---------|---------------
1 | 7/3/98 | GS | UPDATED TITLE BLOCK, FONT, LOGO AND PAGE LAYOUT
2 | 3/5/01 | GR | ADDED NEW TITLE BLOCK & FILE NO.
3 | 7/21/97 | KER | REVISED SHALLOW MANHOLE
4 | 12/13/96 | KER | REVISED STEP DETAIL AND NOTE 6

APPROVALS

NO.| DATE | INITIAL | DESCRIPTION | DATE
---|------|---------|-------------|-----
1 | 7/21/97 | C4L | DESIGN | 4/22/72
2 | 9/12/97 | UBB | CONSTRUCTION | 4/22/72
3 | 12/13/96 | UBB | INSPECTION | 4/22/72
4 | 1/14/96 | UBB | OPERATIONS | 4/22/72

REFERENCE:
FILE I.D.: Vsa.rd6g(std dwg)\SB-30.dgn
SCALE: NONE
DRAWN BY: KER
RECOMMENDED:_
DIRECTOR OF ENGINEERING
APPROVED:
DOYLE T. LOES
ASSISTANT GENERAL MANAGER
DATE: 4/22

EASTERN MUNICIPAL WATER DISTRICT
EMWD
EASTERN MUNICIPAL WATER DISTRICT
STANDARD DRAWING
REINFORCED PRECAST SHALLOW MANHOLE
SB-30