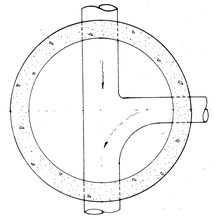
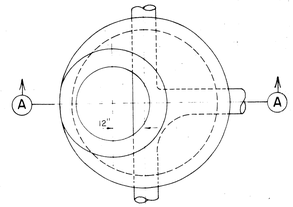
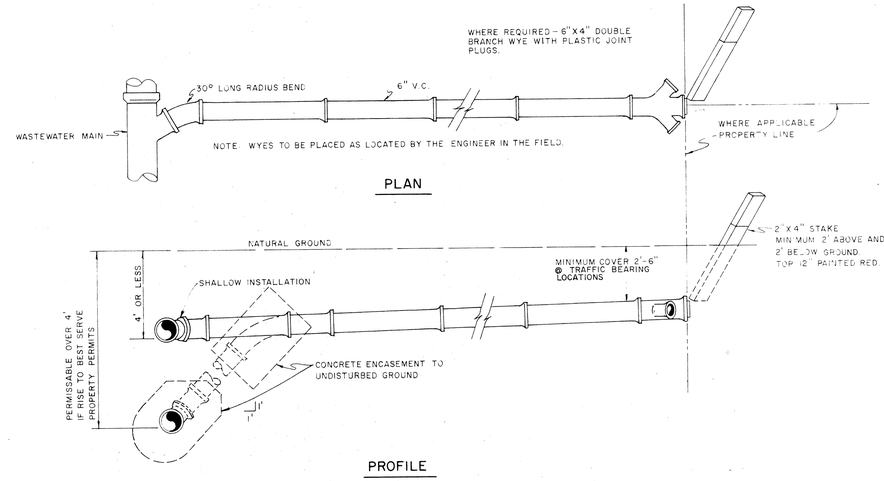


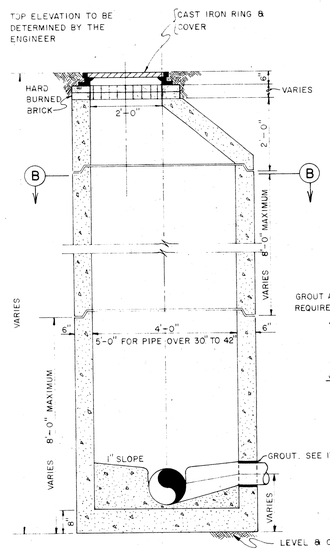
SECTION B-B & D-D



PLAN-OVER 5'-0" DEPTH

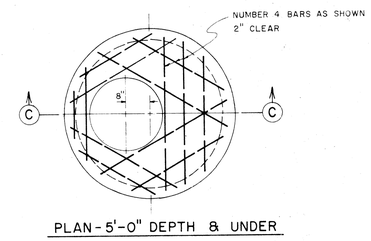


TYPICAL SERVICE CONNECTION

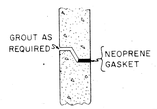


SECTION A-A

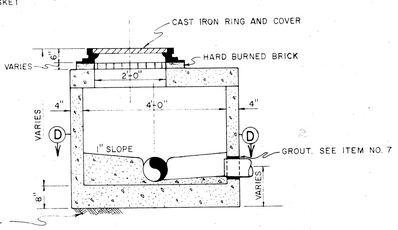
FOR DEPTHS OVER 5'-0"



PLAN-5'-0" DEPTH & UNDER

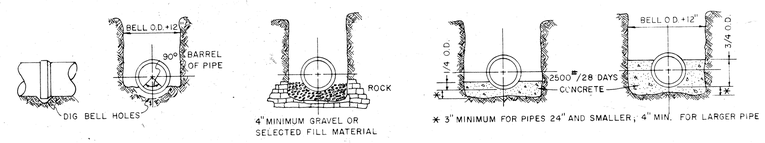


JOINT DETAIL



SECTION C-C

FOR DEPTHS 5'-0" & UNDER



TRENCH IN EARTH | TRENCH IN ROCK | LOW CRADLE | HIGH CRADLE

TYPICAL EXCAVATION AND PIPE SETTINGS

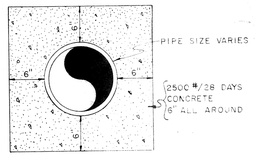
MANHOLE SPECIFCATIONS

1. MANHOLES SHALL COMPLY WITH A.S.T.M. SPECIFICATON C-478, LATEST REVISION, "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS."
2. CONCRETE SHALL BE 4000 P.S.I./28 DAY MINIMUM STRENGTH, WITH TYPE II CEMENT.
3. HEAVY DUTY MANHOLE RING (6" HIGH) AND THE COVER SHALL BE TYPE B (DWG. NO. 24), WITH FRAME (200 LB.) AND COVER (130 LB.), WITH BLIND PICKHOLE, AS MANUFACTURED BY U.S. FOUNDARY CORP., MIAMI, FLA., OR APPROVED EQUAL. THE WORDS "WASTEWATER" SHALL BE CAST INTO THE COVER.
4. REINFORCING PER A.S.T.M. SPEC. C-478, LATEST REV.
5. LEVELING BRICKS TO BE HARD BURNED; MORTAR TO BE 2 PARTS CLEAN SAND AND 1 PART CEMENT WITH NO MORE THAN 1/4 PART HYDRATED LIME, WITH JOINTS FULL AND STRUCK FLUSH.
6. NO STEPS SHALL BE USED.
7. COMPLETELY FILL SPACE BETWEEN PIPES AND MANHOLE WALL WITH CEMENT MORTAR AFTER PIPE IS SET WITH 15 LB. EMBECO PER 100 LB. CEMENT.

REINFORCED CONCRETE MANHOLES

GENERAL SPECIFICATIONS

1. WHERE WATER AND WASTEWATER MAINS CROSS WITH LESS THAN 18" VERTICAL CLEARANCE, THE WASTEWATER PIPE WILL BE OF EITHER CAST IRON OR CONCRETE ENCASED VITRIFIED CLAY,(20 MIN.)CENTERED ON THE POINT OF CROSSING
2. PARALLEL WATER AND WASTEWATER MAINS SHALL MAINTAIN A HORIZONTAL SEPARATION OF AT LEAST 10', WHERE PRACTICAL.



CONCRETE ENCASEMENT

FOR HERB FIELD, LONGBOAT KEY, FLORIDA

CONSTRUCTION DETAILS

WASTEWATER COLLECTION SYSTEM

SMALLY, WELLFORD & NALVEN — CONSULTING ENGINEERS — SARASOTA, FLORIDA

SCALE:	DATE	DESIGNED BY	APPROVED BY
AS SHOWN	5-25-73	DSC	DONALD J. SMALLY, P.E. FLA. CERT. NO. 5085
DRAWN BY: A.H.J.	CHECKED BY: JG-Mur ZC	PROJECT NO. 1359	

LTR.	DATE	REVISION	BY

SHEET NUMBER 6

REVISION

INDEX NO. E-1359-6