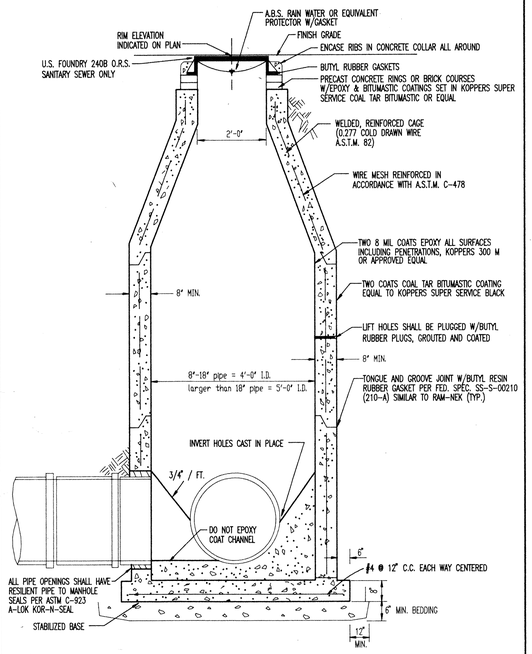
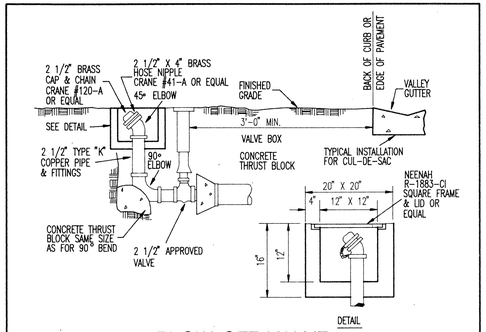
NOTES

1. INVERT HOLES TO BE 2" LARGER THAN PIPE O.D. AND CAST IN PLACE.
2. PRE-CAST M.H. SHALL CONFORM TO ASTM C-478 LATEST REV. TYPE II CONCRETE, 4,000 P.S.I. 28 DAY COMPRESSIVE STRENGTH.
3. MANHOLE FRAME AND SOLID COVER TO BE WATER TIGHT.
4. SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH LONGBOAT KEY PUBLIC WORKS DEPARTMENT SPECIFICATIONS.



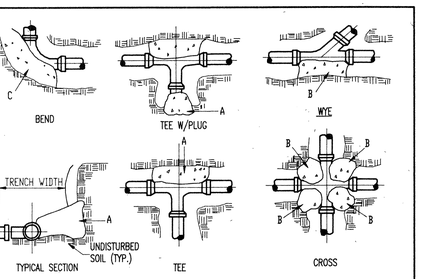
STANDARD PRECAST MANHOLE

N.T.S.



BLOW OFF VALVE

N.T.S.

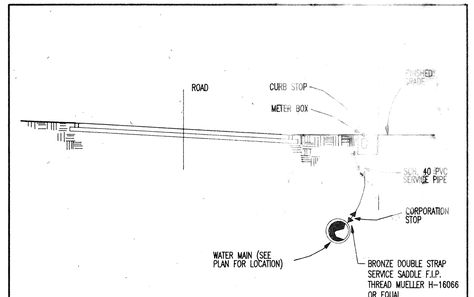


PIPE SIZE	2"	4"	6"	8"	10"	12"	14"	16"
A	1.0	1.0	2.0	3.0	4.5	6.5	8.5	11.0
B	1.0	1.0	1.5	2.5	3.5	5.0	6.5	8.5
C-90	1.0	1.0	2.5	4.0	6.5	9.0	12.0	15.5
C-45	1.0	1.0	1.5	2.5	3.5	5.0	6.5	8.5
C-22-1/2	1.0	1.0	1.0	1.5	2.0	2.5	3.5	4.5

1) CHART NUMBERS ARE SQUARE FEET BEARING ON UNDISTURBED MATERIAL.
2) POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL WHERE TRENCH WALL HAS BEEN DISTURBED. EXCAVATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL, NO JOINTS SHALL BE COVERED WITH CONCRETE.
3) CONCRETE SHALL BE 2500 P.S.I.
4) WHERE THRUST BLOCK IS NOT PRACTICAL DUE TO SOIL CONDITIONS, A HARNESSING DETAIL SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL.
5) DUCTILE IRON FITTINGS SHALL BE WRAPPED IN 8 MI. POLYTHYLENE
6) THRUST BLOCK SIZES ARE FROM SARASOTA COUNTY STANDARD DETAILS

THRUST BLOCKS

N.T.S.



NOTES:

TAPS SHALL NOT BE CLOSEER THAN TWO (2) FEET APART NOR TWO (2) FEET TO ANY JOINT OR FITTING.
TAPS IN MULTIPLE GROUPS SHALL NOT BE MADE ON THE SAME LONGITUDINAL LINE OF THE PIPE BUT SHALL BE STAGGERED.
CURB STOP: MUELLER ANGLE METER VALVE (OR EQUAL) H-14265 (1") WITH LOCWING HAVING F.I.P. INLET AND METER SWIVEL NUT OUTLET
CORPORATION STOP: MUELLER H-10046 (1") (OR EQUAL) WITH M.I.P. THREAD INLET AND F.I.P. THREAD OUTLET
SERVICE PIPE: SCHEDULE 40 PVC

SERVICE CONNECTION DETAIL

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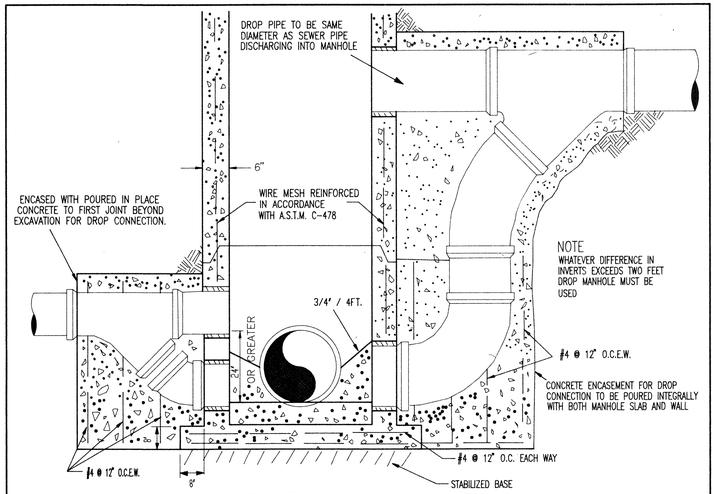
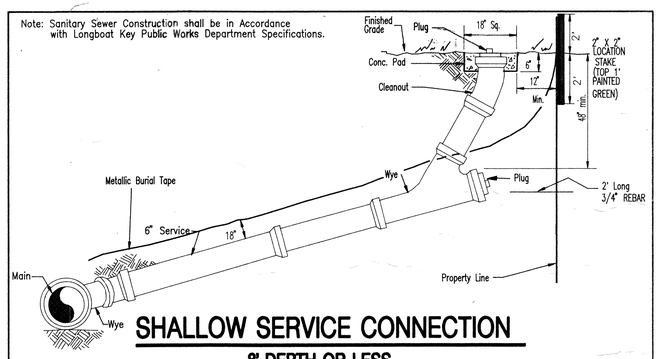


DROP MANHOLE

N.T.S.

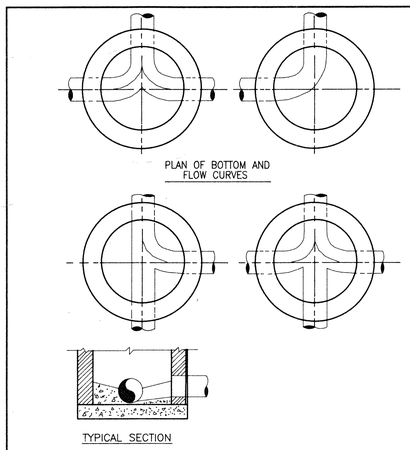
Note: Sanitary Sewer Construction shall be in Accordance with Longboat Key Public Works Department Specifications.



SHALLOW SERVICE CONNECTION

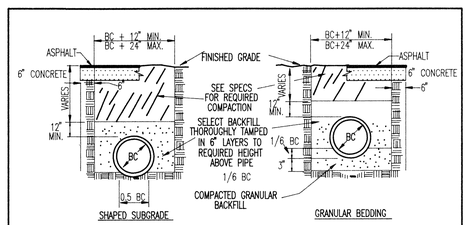
8' DEPTH OR LESS

N.T.S.



MANHOLE FLOW CHANNELS

N.T.S.



NOTE:

IF ANY UNSUITABLE SUBGRADE CONDITIONS ARE ENCOUNTERED, THE TRENCH SHOULD BE OVER EXCAVATED A MINIMUM OF 6" & REFILLED WITH GRANULAR MATERIAL.
BC= OUTSIDE DIAMETER
H= BACKFILL ABOVE PIPE

CLASS C SHAPED SUBGRADE BEDDING

TYPICAL TRENCH SECTION

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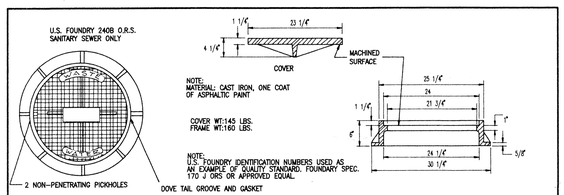

FRAME & COVER TYPE "A"

N.T.S.

OWNER	PROJECT NAME		SHEET	REVISIONS
REGENT COURT GROUP/ BOWYER DEVELOPMENT CORP. LONGBOAT KEY, FLORIDA SARASOTA COUNTY	CONSTRUCTION PLANS FOR REGENT COURT LONGBOAT KEY UTILITIES DETAILS		8	NO. DATE DESCRIPTION BY

MINDER & RHODES ENGINEERING CORPORATION
Engineers – Planners – Surveyors
3900 CLARK ROAD
SARASOTA, FL. 34233
(813) 922-7848

DESIGNED: WBH | CHECKED: | APPROVED:
DRAWN: DBH, DSM | SCALE: N.T.S. | DATE: 07/20/92

APPROVED
P.E. No. 33150
Date 11/14/92
Prj No.: 91098-7
CAD DWG.: 1098UD