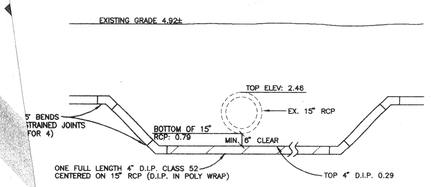
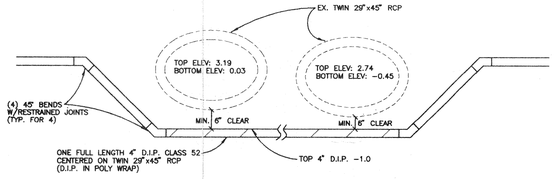
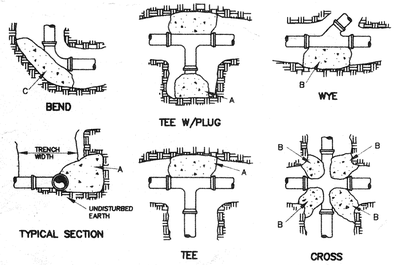


AIL FOR 4" FIRELINE CROSSING @ 15" RCP
N.T.S.



DETAIL FOR 4" FIRELINE CROSSING @ TWIN 29"x45" RCP
N.T.S.

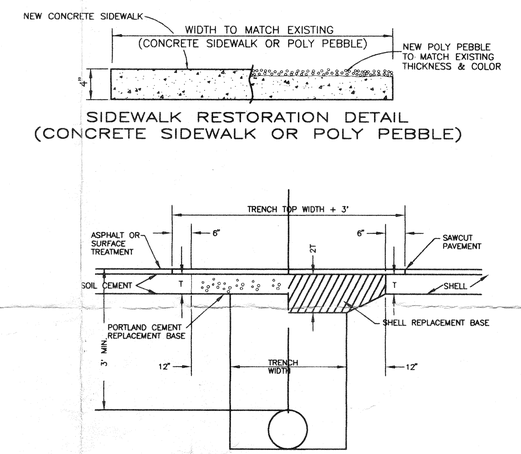


PIPE SIZE	4"	6"	8"	10"	12"	14"	16"
A	0.8	3.1	7.1	12.6	19.6	28.3	38.5	50.3
B	0.8	3.1	7.1	12.6	19.6	28.3	38.5	50.3
C-90	1.1	4.4	10.0	17.8	27.8	40.0	54.4	71.1
C-45	0.6	2.4	5.4	9.6	15.0	21.6	29.4	38.5
C-22 1/2°	0.3	1.3	2.8	4.9	7.7	11.0	15.0	19.6

NOTES:

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 3000 P.S.I.
4. WHERE THRUST BLOCKING 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 MIL. POLYETHYLENE.
6. THRUST BLOCK SIZES ARE FROM SARASOTA COUNTY STANDARD DETAILS.

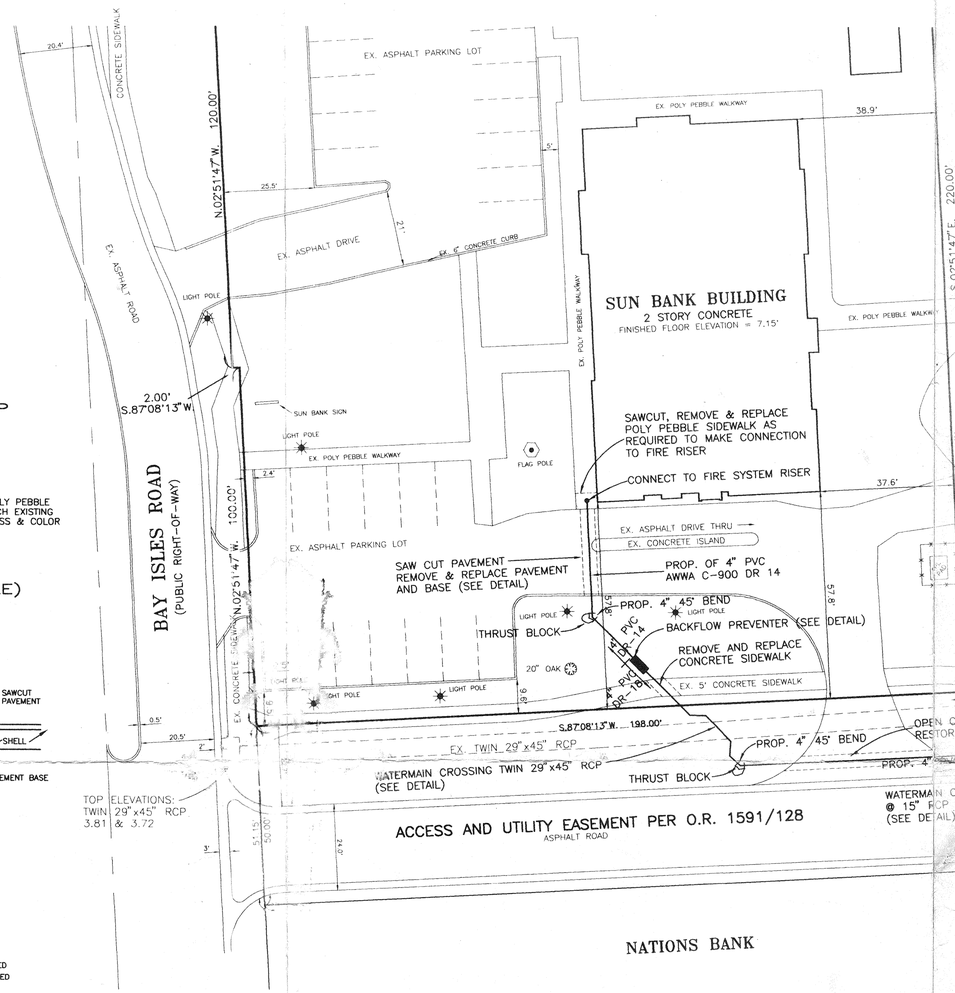
THRUST BLOCKS
N.T.S.

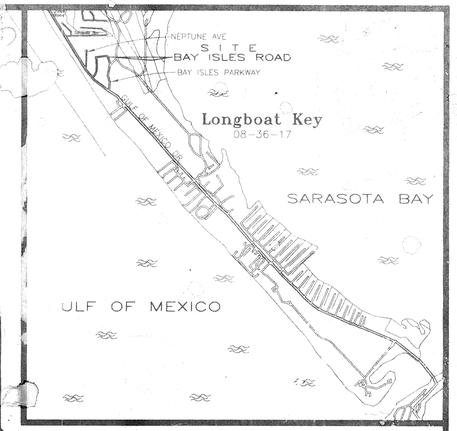


SIDEWALK RESTORATION DETAIL
(CONCRETE SIDEWALK OR POLY PEBBLE)

1. SHELL BASE MATERIAL SHALL BE COMPACTED TO 98% DENSITY, AASHTO T-180.
2. APPROVED SUB-BASE MATERIAL SHALL BE COMPACTED IN 6" LAYERS MAXIMUM, TO DENSITY 98% AASHTO T-180.
3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED
4. SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED
5. SURFACE MATERIAL SHALL BE CONSISTENT WITH EXISTING SURFACE. ASPHALT TYPE I OR II AND EQUAL OR GREATER IN THICKNESS.
6. SUB-BASE MATERIAL SHALL BE APPROVED BY THE ENGINEER.

PAVEMENT RESTORATION DETAIL
N.T.S.

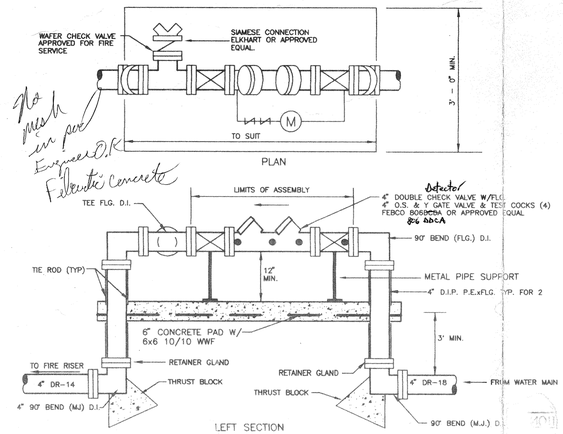




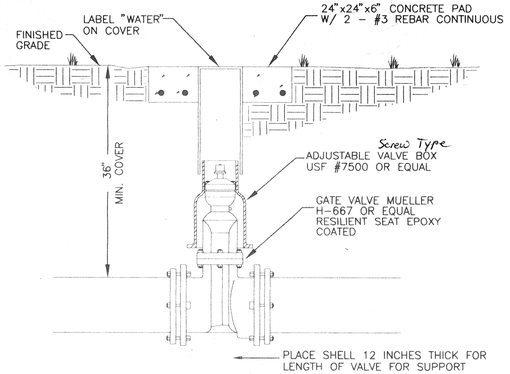
VICINITY MAP
SEC. 8, TWP. 36S, RNGE. 17E
LONGBOAT KEY, FLORIDA

1. THE CONTRACTOR SHALL CONTACT "SUNSHINE STATE ONE-CALL" 1-800-432-4770, DURING THE HOURS OF 9:00 AM AND 5:00 PM, FPL, AND ALL OTHER UTILITY COMPANIES PRIOR TO ANY WORK ON SITE OR OFF SITE SO THAT THE EXACT LOCATION OF ALL UTILITIES CAN BE DETERMINED.

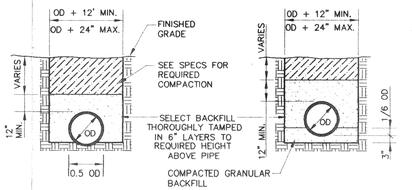
2. THE CONTRACTOR SHALL NOTIFY THE TOWN OF LONGBOAT KEY PUBLIC WORKS DEPT. 48 HOURS PRIOR TO COMMENCING WORK.



FIRELINE BACKFLOW PREVENTER
N.T.S.



TYPICAL GATE VALVE
& VALVE BOX
N.T.S.



SHAPED SUBGRADE GRANULAR BEDDING

NOTES:

IF ANY UNSUITABLE SUBGRADE CONDITIONS ARE ENCOUNTERED, THE TRENCH SHOULD BE OVER EXCAVATED A MINIMUM OF 6" & REFILLED WITH GRANULAR MATERIAL.

OD = OUTSIDE DIAMETER

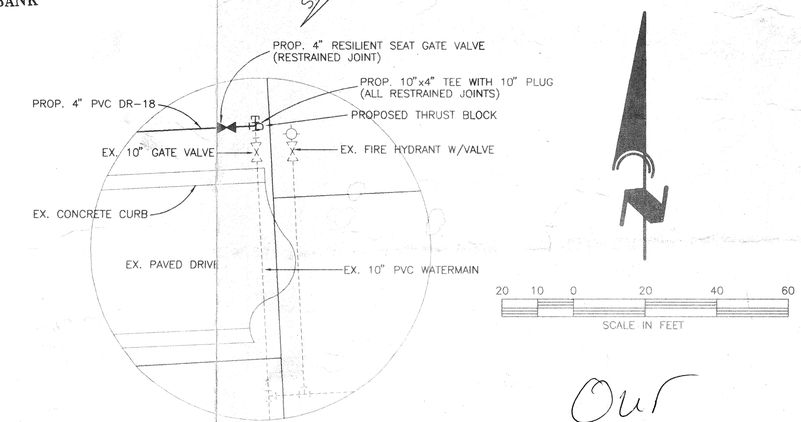
METALLIC ID TAPE SHALL BE PLACED 18" ABOVE PIPE AND 1" BELOW GRADE.

PROVIDE SHEETING AND SHORING AS NECESSARY FOR SAFETY.

BACKFILL MATERIALS SHALL BE APPROVED BY THE ENGINEER WHERE THE PIPE IS UNDERCUT.

WATERMAINS TO BE INSTALLED W/A MIN. OF 36" COVER.

TYPICAL TRENCH SECTION
N.T.S.



WATERMAIN CONNECTION DETAIL
N.T.S.

Our Copy

REVISIONS		
BY:	DATE:	DESCRIPTION

SARASOTA, FLORIDA
ENGINEERING
PHONE: (941) 377-9173

SunBank GULF COAST LONGBOAT KEY BRANCH

SCALE: 1" = 20'	APPROVED BY:	DRAWN BY: LCG
DATE: 10/19/95		BRG01701
SunBank		BRGR-0017
FIRE MAIN INSTALLATION		DRWG. NO. 1

SUN BANK

10/19/95