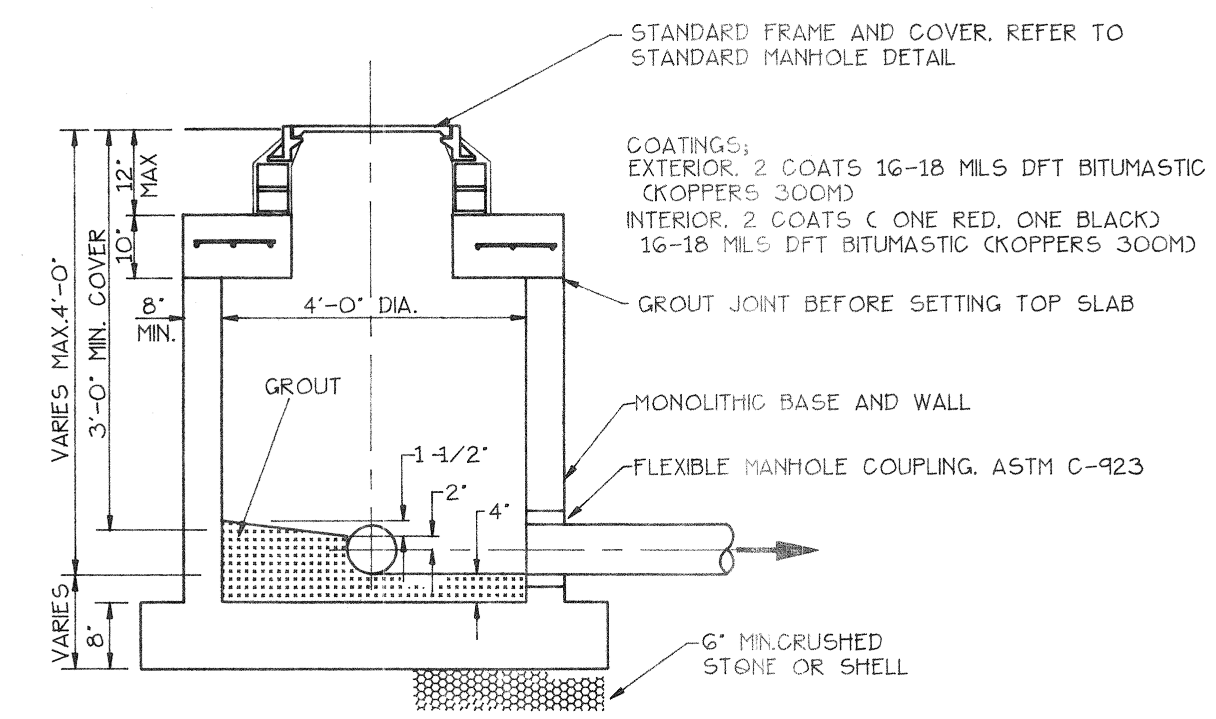
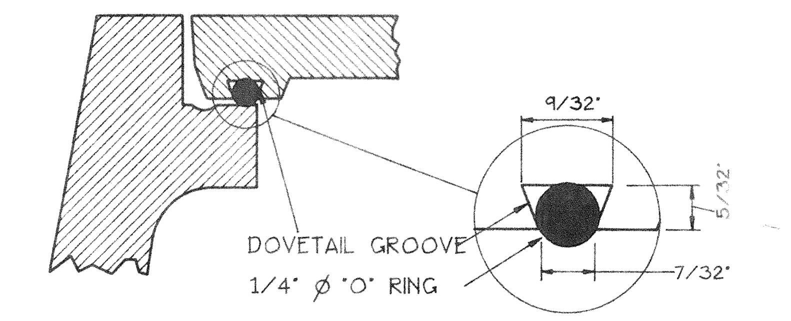


SHALLOW MANHOLE DETAIL

FOR DEPTHS 5'-0" OR LESS

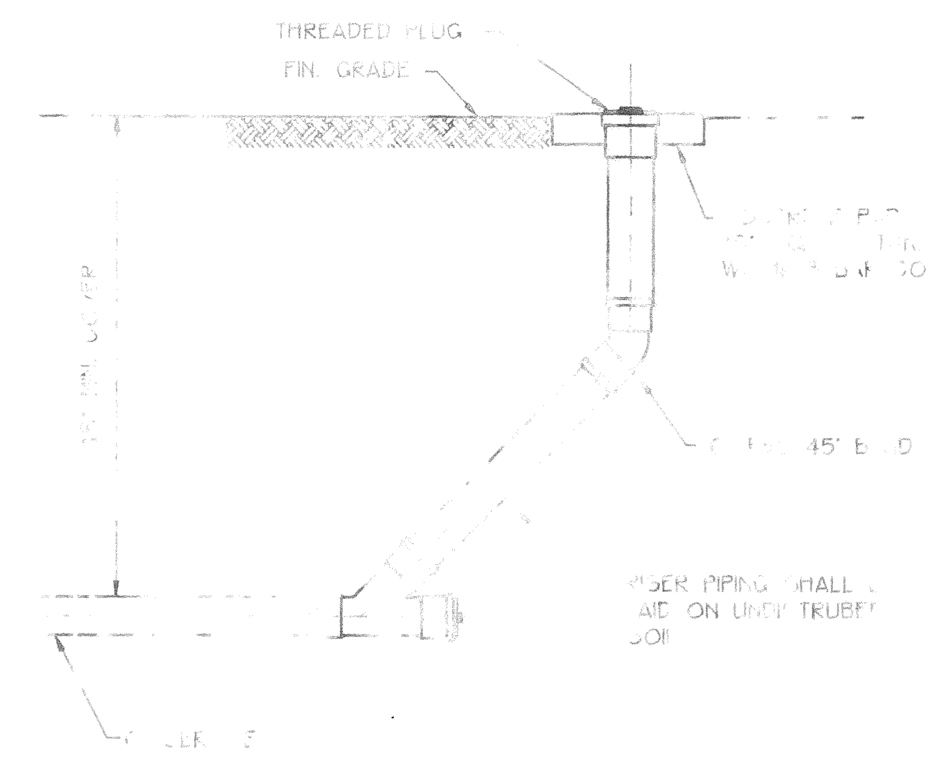
NTS



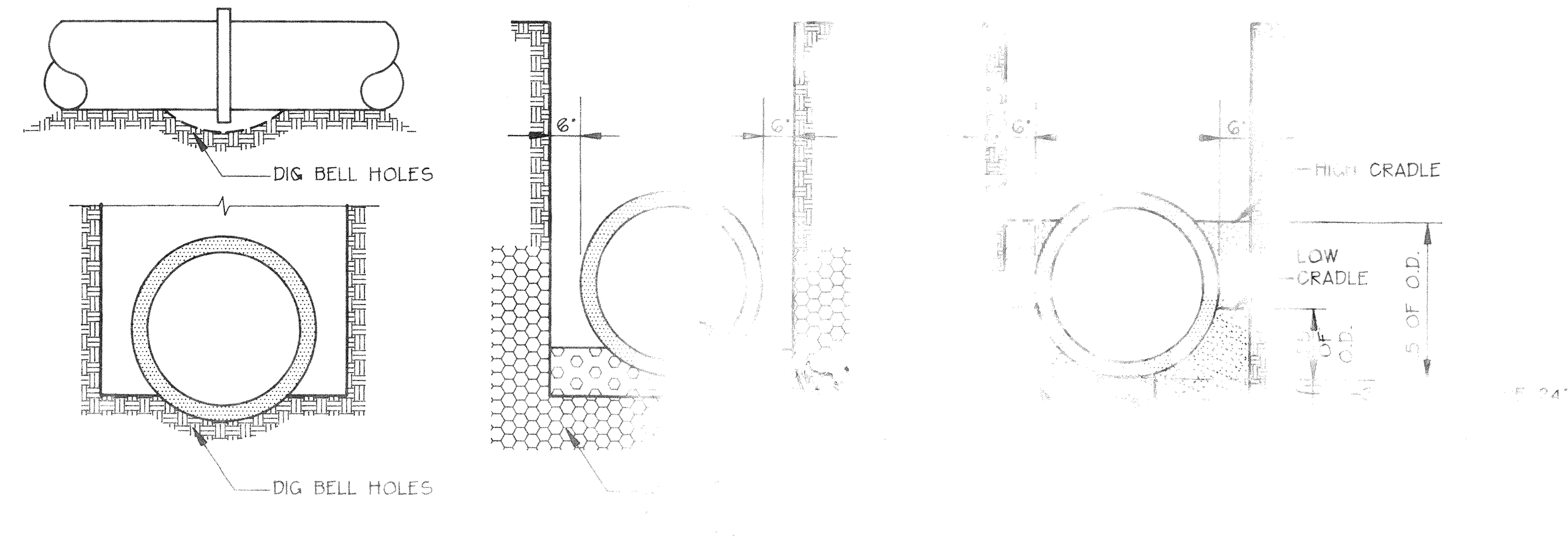
TYPICAL MANHOLE RING + COVER SECTIO

DOVETAIL GROOVE DETAIL

NTS



CLEANOUT DETAIL

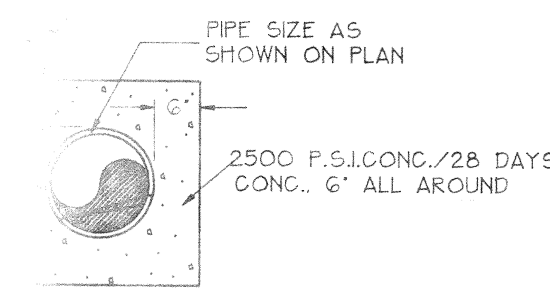


TRENCH IN EARTH

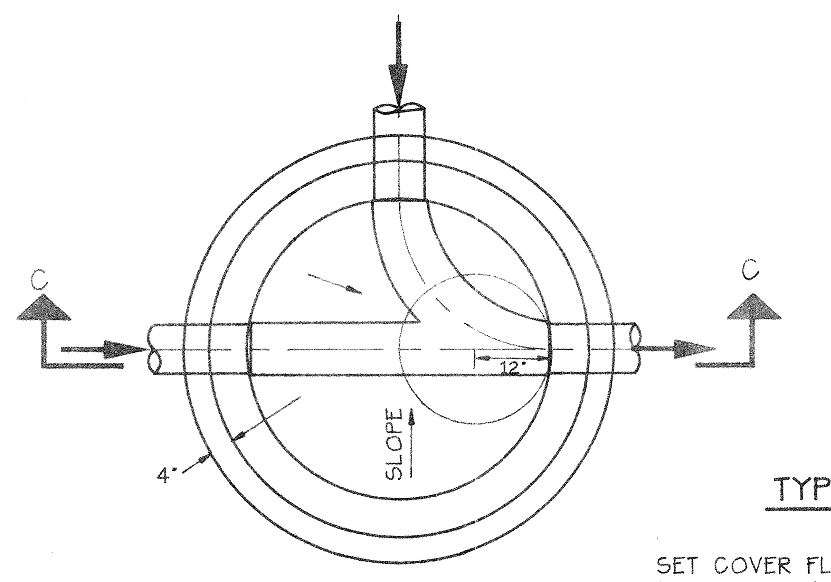
N.T.S.

TRENCH

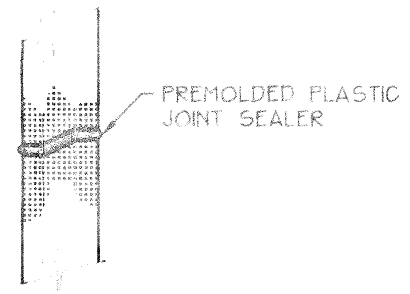
TYPICAL EXCAVATION PIPE SETTINGS



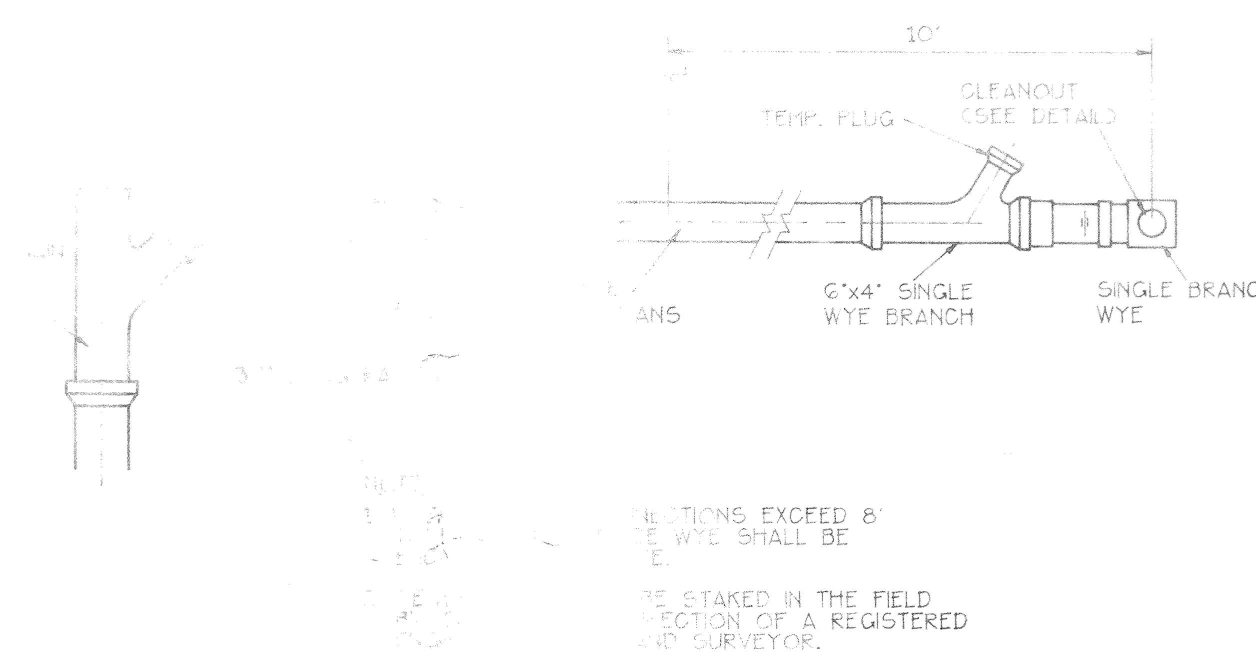
ENCASEMENT



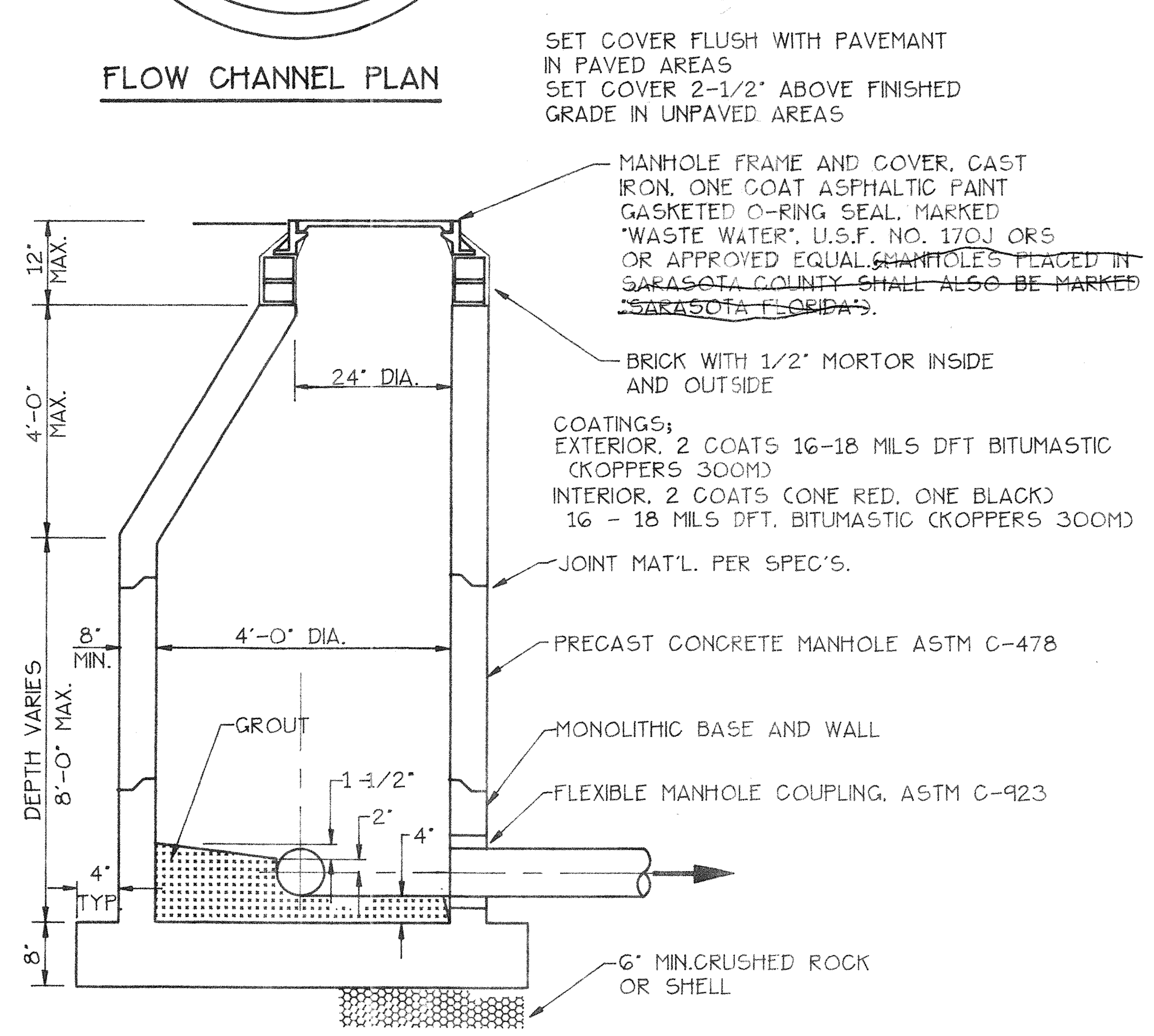
FLOW CHANNEL PLAN



TYPICAL JOINT DETAIL



SINGLE SERVICE

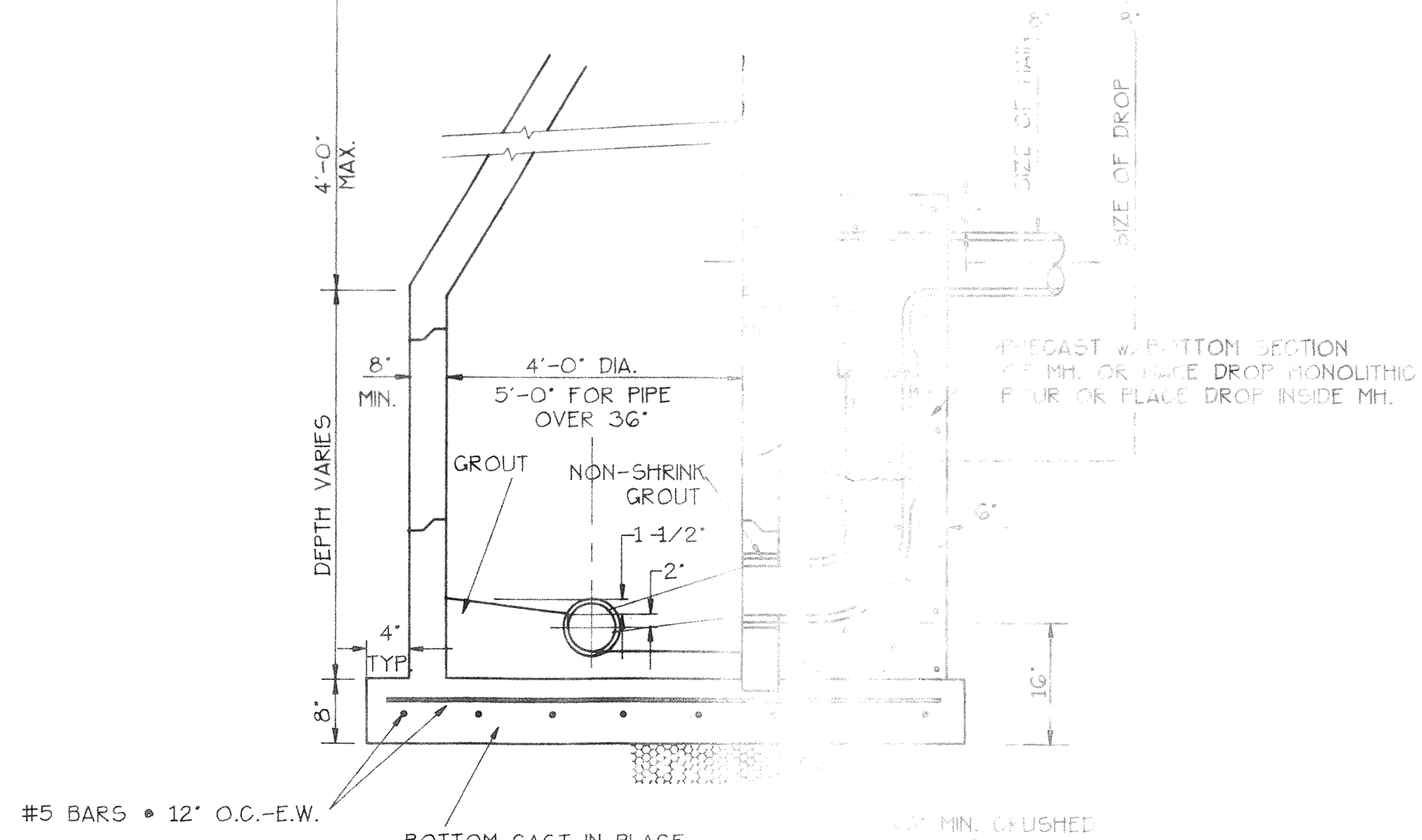


SECTION C-C

STANDARD MANHOLE

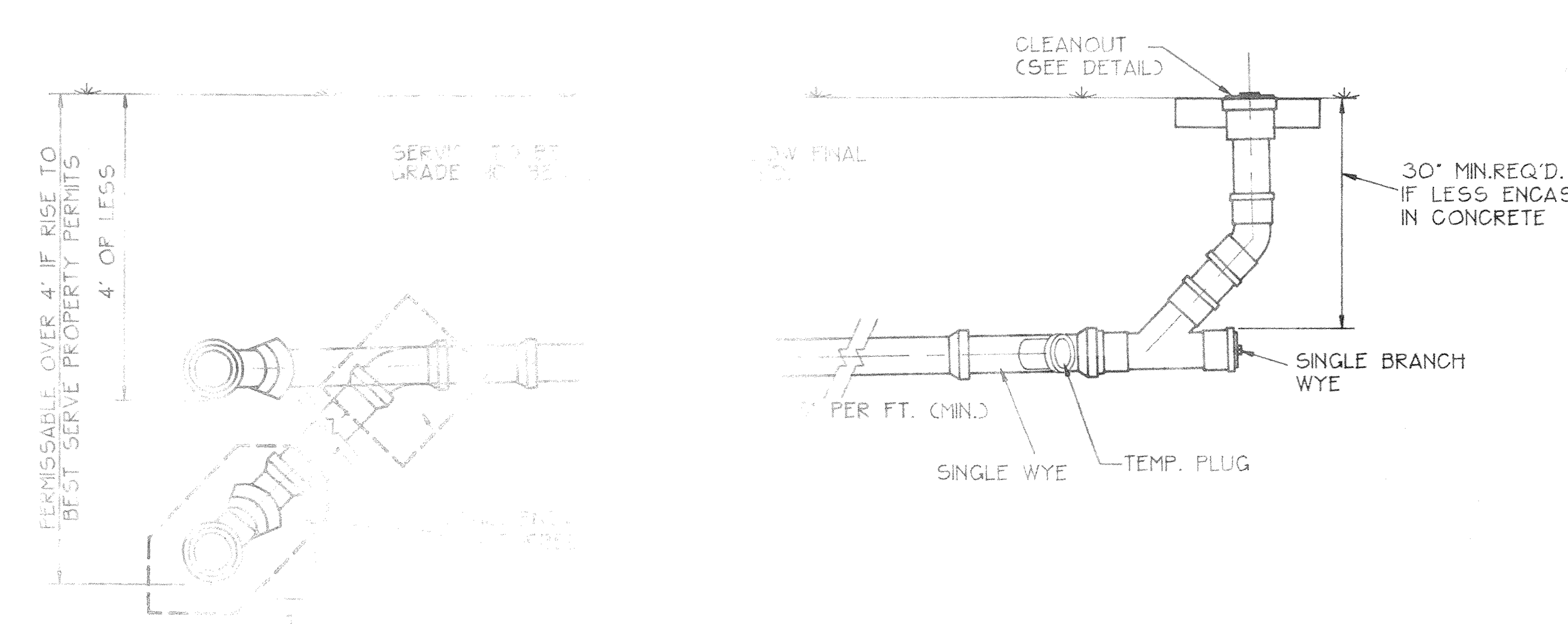
FOR DEPTHS OVER 5'-0"

NTS



DROP MANHOLE DETAIL

NTS



TYPICAL CONNECTION

MANHOLE SPECIFICATIONS:

1. MANHOLES SHALL COMPLY WITH A.S.T. ...-478, LATEST REVISION, "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS," EXCEPT WALL ... SHALL BE MIN. 8".
2. CONCRETE SHALL BE 4000 P.S.I. ... STRENGTH, WITH TYPE II CEMENT.
3. HEAVEY DUTY MANHOLE RING (6" ... VER SHALL BE TYPE B (DWG.NO.240; OLD NO.24) WITH FRAME + DOVETAIL GROOVED COVER ... TO ACCOMODATE 1/4" DIA., O-RING AS MANUFACTURED BY U.S.FOUNDARY CORP., MIAMI, FLORIDA ... VED EQUAL, WITH THE WORDS "WASTEWATER" CAST INTO THE COVER.
4. REINFORCING PER A.S.T.M. SPEC. ... REVISION.
5. LEVELING BRICKS TO BE CLAY; ... 2 PARTS CLEAN SAND AND 1 PART CEMENT WITH NO MORE 1/4 HYDRATED LIME, WITH JOINT ... UCK FLUSH.
6. NO STEPS SHALL BE USED.
7. COMPLETELY FILL SPACE BETWE... MANHOLE WALL WITH CEMENT MORTAR AFTER PIPE IS SET WITH 15 LB. EMBECCO PER 100...

GENERAL NOTES:

1. WHERE WATER + WASTEWAT... SS WITH LESS THAN 18" VERTICAL CLEARANCE, THE WASTWATER PIPE SHALL BE OF EITHER ... R CONCRETE ENCASED PVC, (20' MIN.) CENTERED ON THE POINT OF CROSSING.
2. PARALLEL WATER + WASTEW... SHALL MAINTAIN A HORIZINTAL SEPARATION OF AT LEAST 10'.
3. WHERE STORMWATER SEWE... VER WASTEWATER SEWERS WITH LESS THAN 12" VERTICAL CLEARANCE, THE WASTEWATER PIPE SH... DUCTILE IRON OR CONCRETE ENCASED PVC, 10' MIN. EITHER SIDE OF CROSSING.

FIELD BOOK NO. ___
PAGE ___
Sec-Twp-Rng ___

PLOT DATE: ___
CAD FILE: ___
P.Or. x: ___ y: ___

BISHOP & ASSOCIATES
Consulting Engineers • Surveyors
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813/371-6362 • Fax 813/378-3215

REVISED	BY	DATE	Q.C.	DATE	DESCRIPTION	REVISED	BY	DATE	Q.C.	DATE	DESCRIPTION

TASK	INITIALS	DATE
DESIGN	S.K.L.	10.29.91
DRAWN		10.29.91
CHECKED		
QUALITY		
HOR.		
VERT.		

10/31/91

COMMERCIAL COMPLEX
...RNA ASSOCIATES, LTD.
DETAILS

PROJECT NO. VERN-0003

SHEET NO. 9

TELEDYNE POST N61063