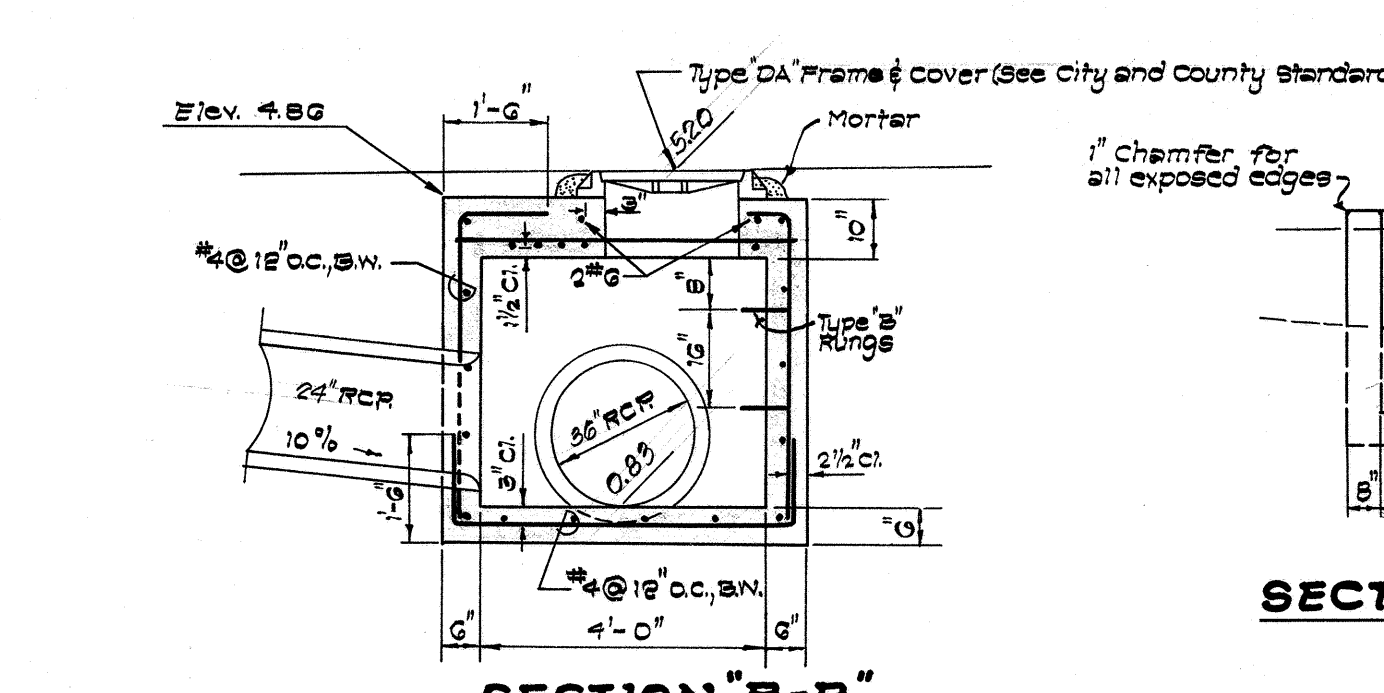
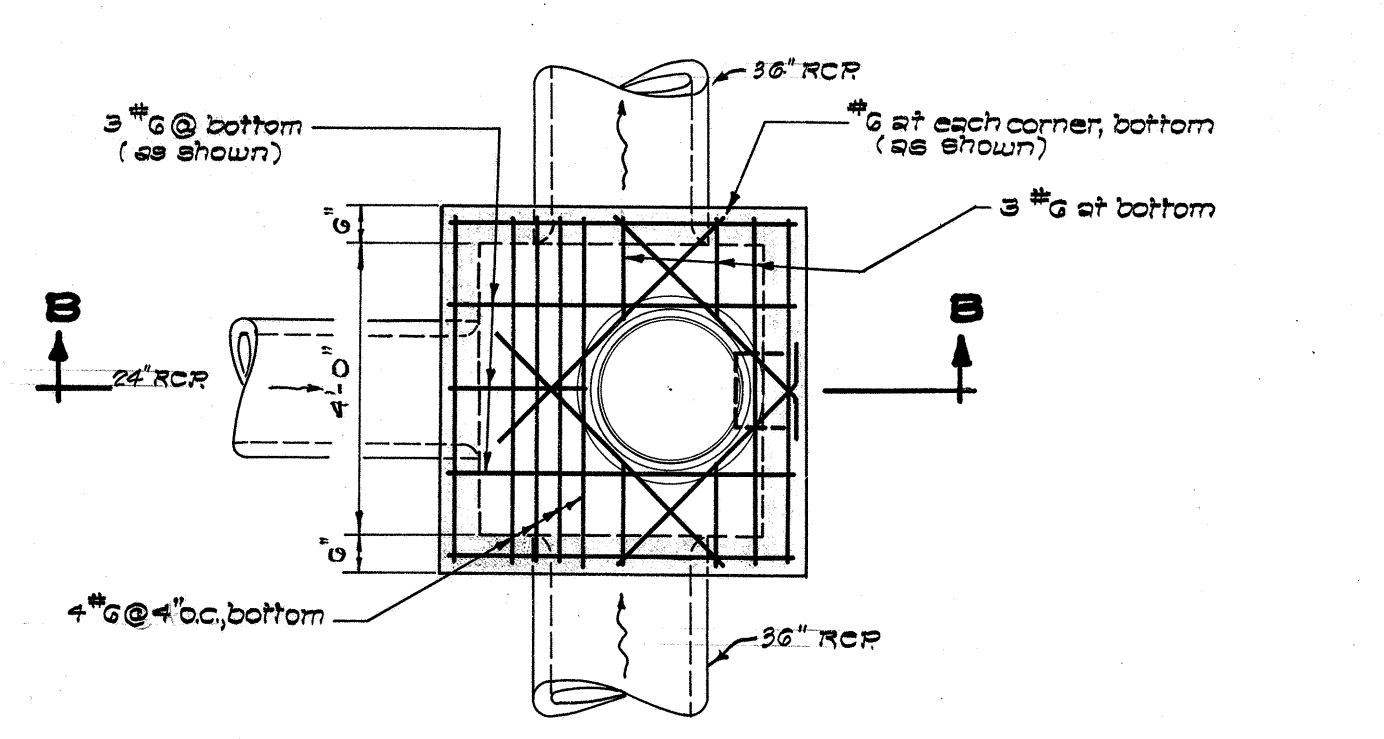




SECTION "A-A"

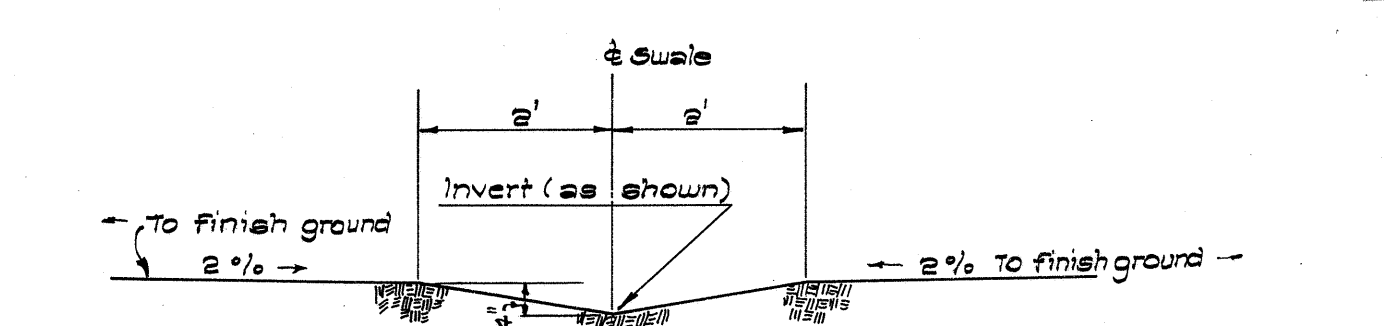
SECTION "B-B"



PLAN

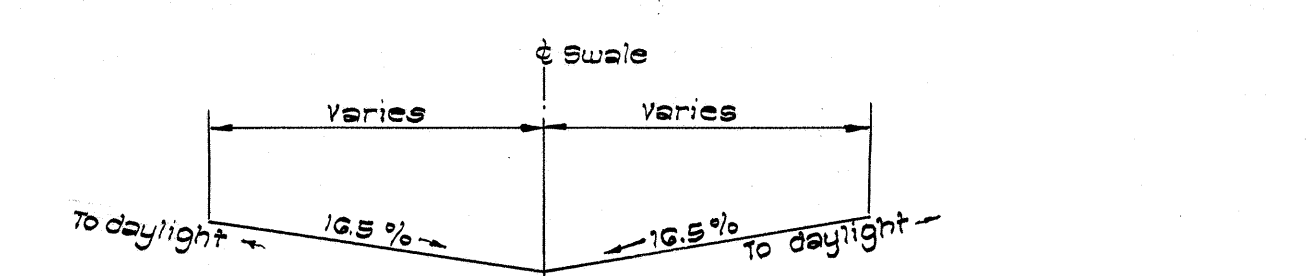
SHALLOW DRAIN MANHOLE

Scale: Not to Scale



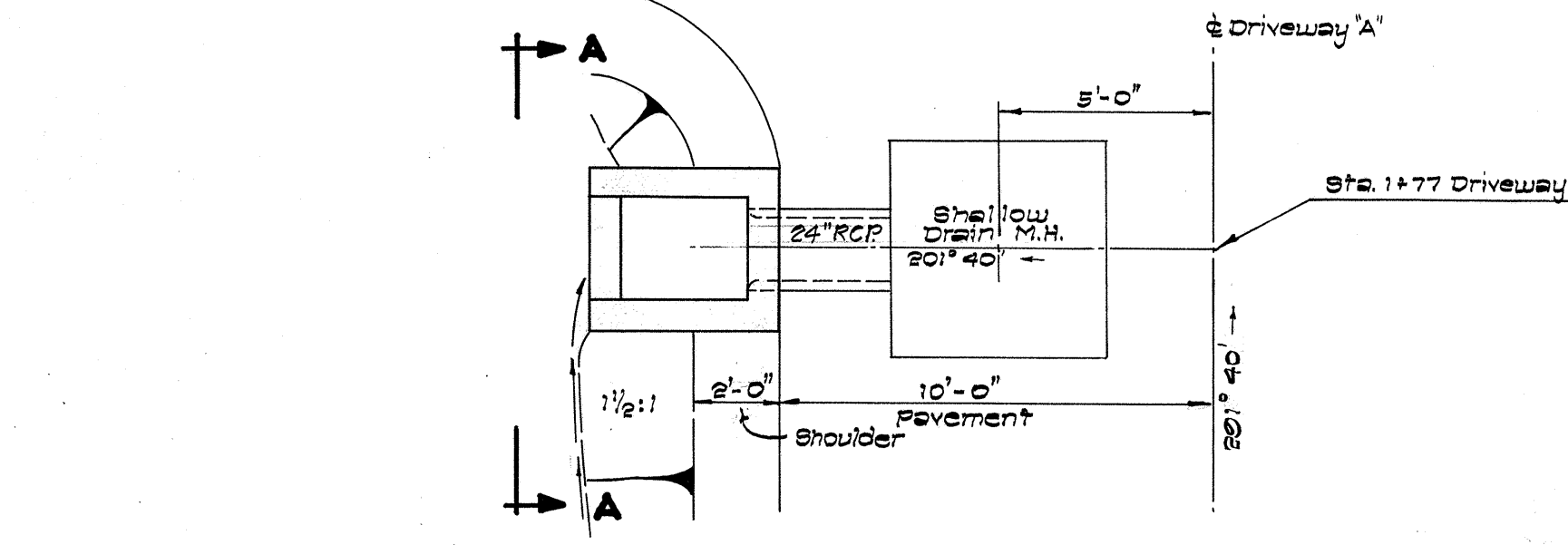
TYPICAL SECTION EARTH SWALES
STA. 0+55.49 TO STA. 1+67.49

DRIVEWAY "B"



TYPICAL SECTION EARTH SWALES

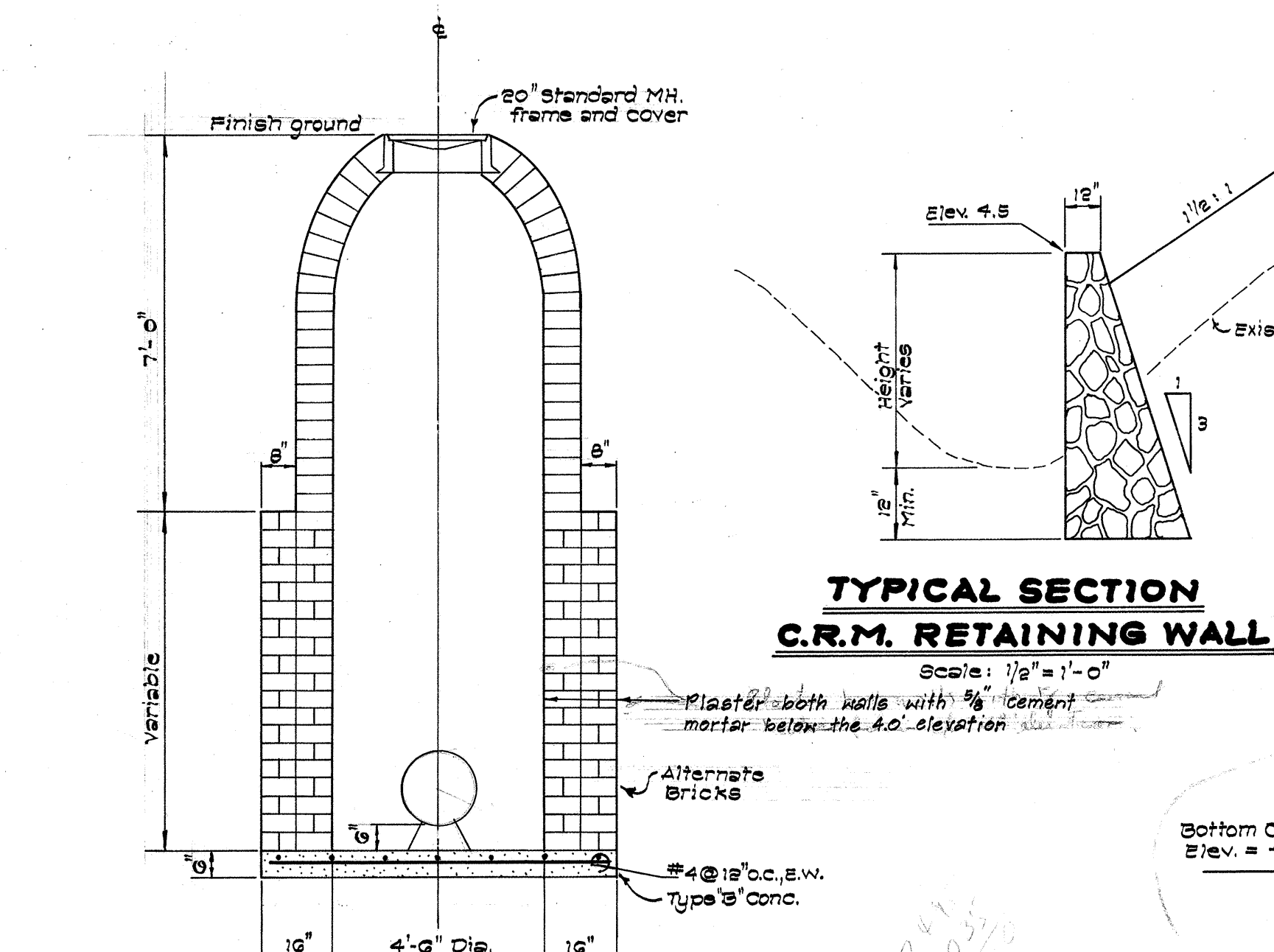
Scale: 1/2" = 1'-0"



ELEVATION

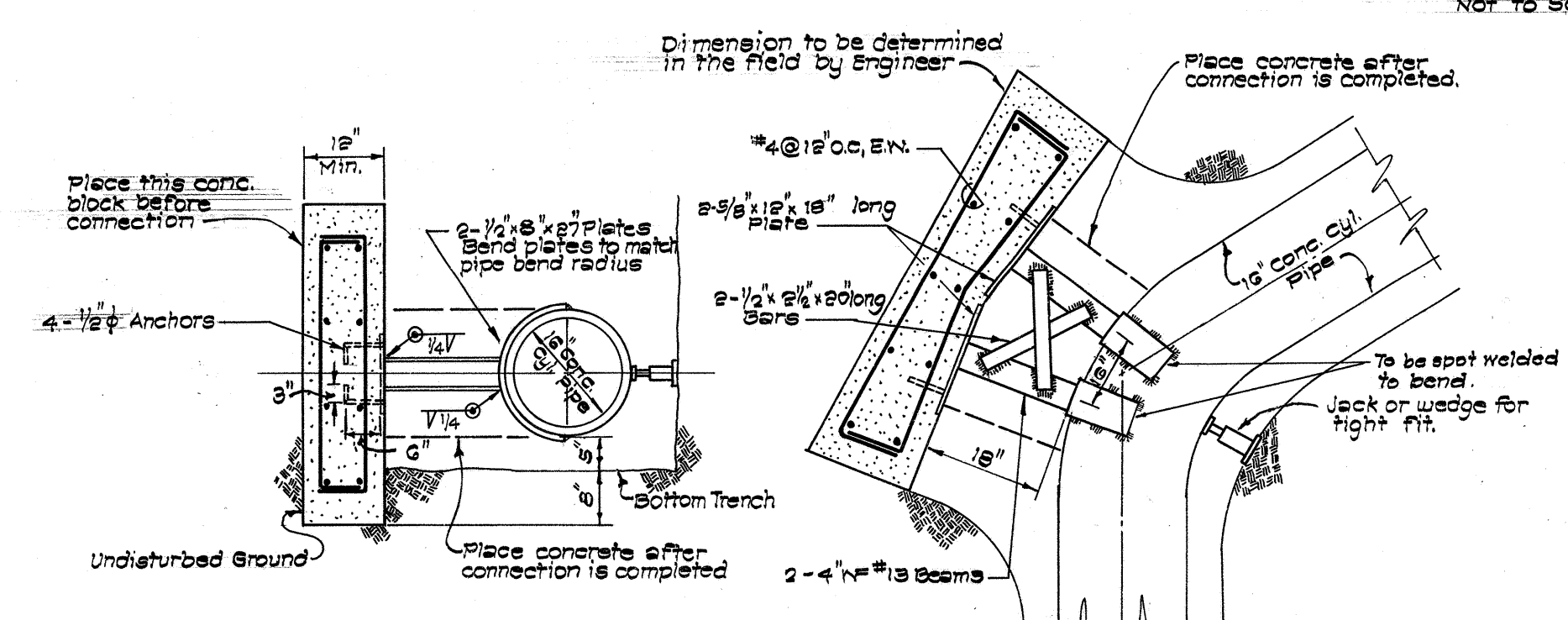
CONCRETE DROP INTAKE

Scale: Not to Scale



TYPICAL DETAIL TYPE "B" MANHOLE
FOR GATE VALVES AND AIR VALVES

Scale: Not to Scale

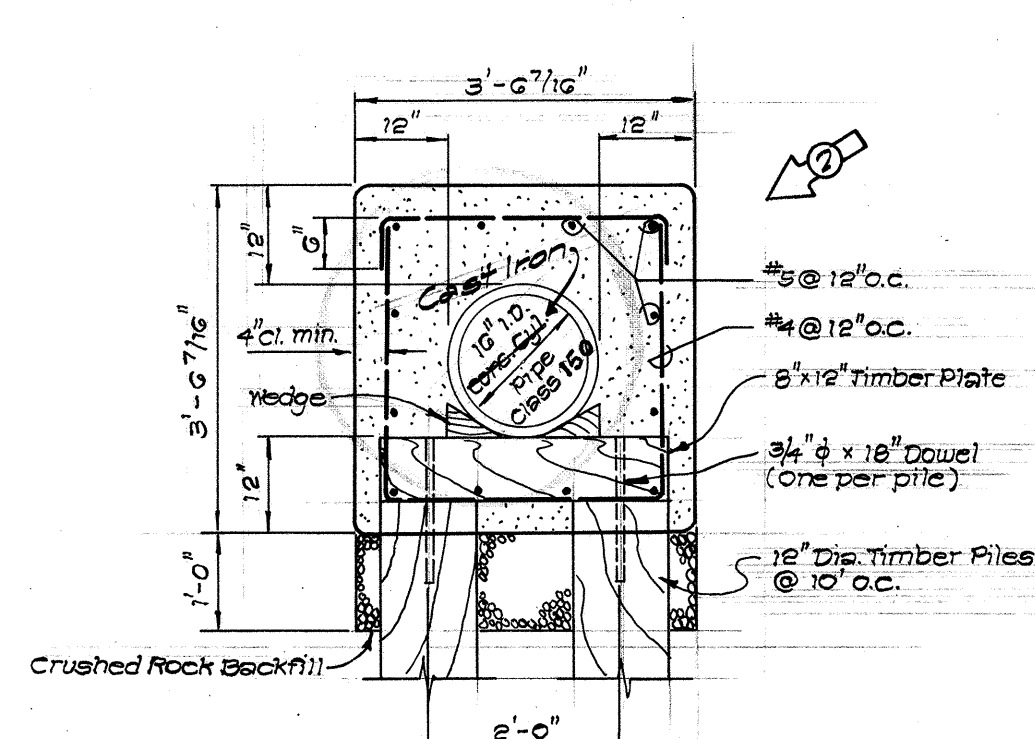


ELEVATION

PLAN

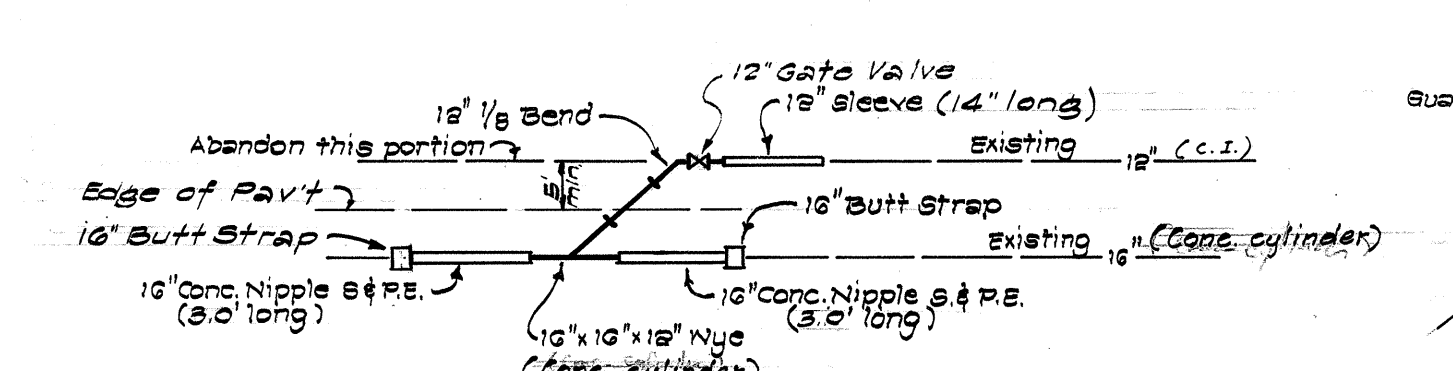
DETAILS OF CONCRETE BLOCK WITH STRUCTURAL STRUT

Scale: 1/2" = 1'-0"



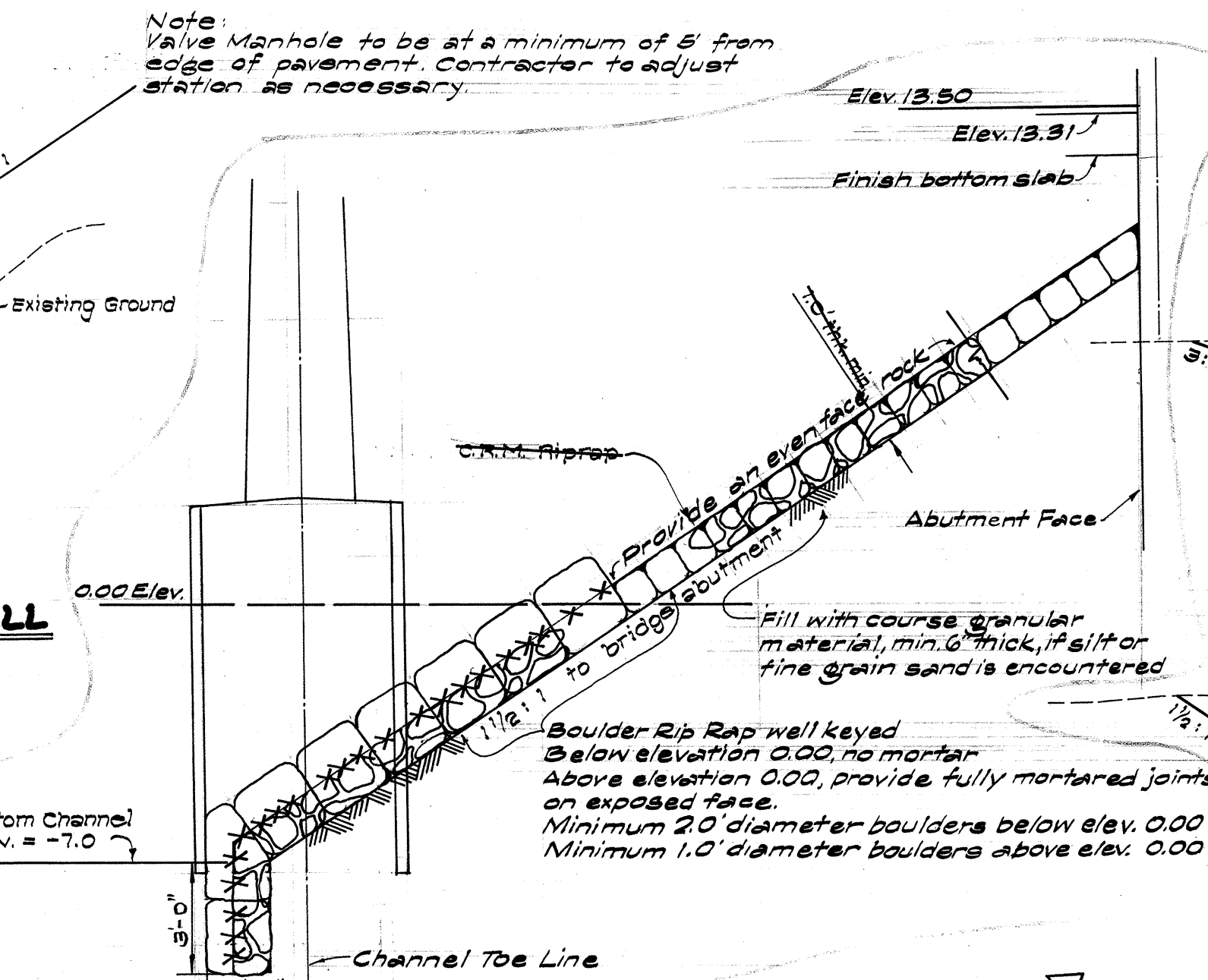
CONCRETE JACKET DETAILS

Scale: 1/2" = 1'-0"



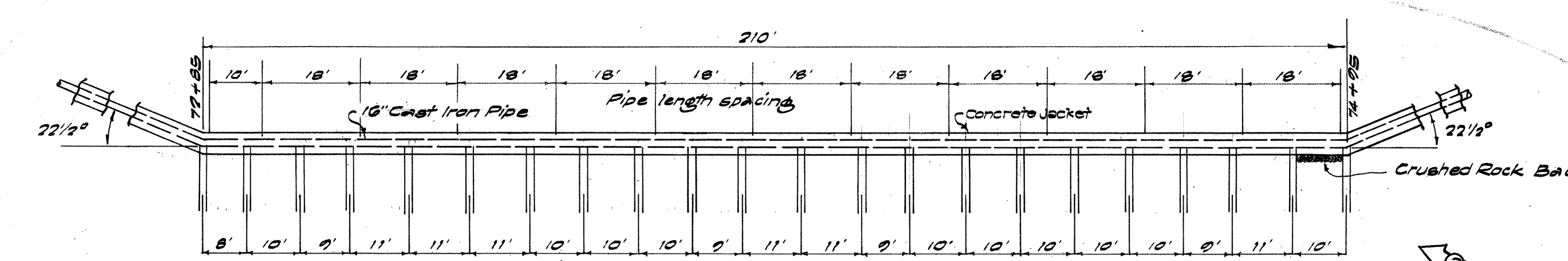
WATER CONNECTION @ STA. 76+70

Scale: Not to Scale



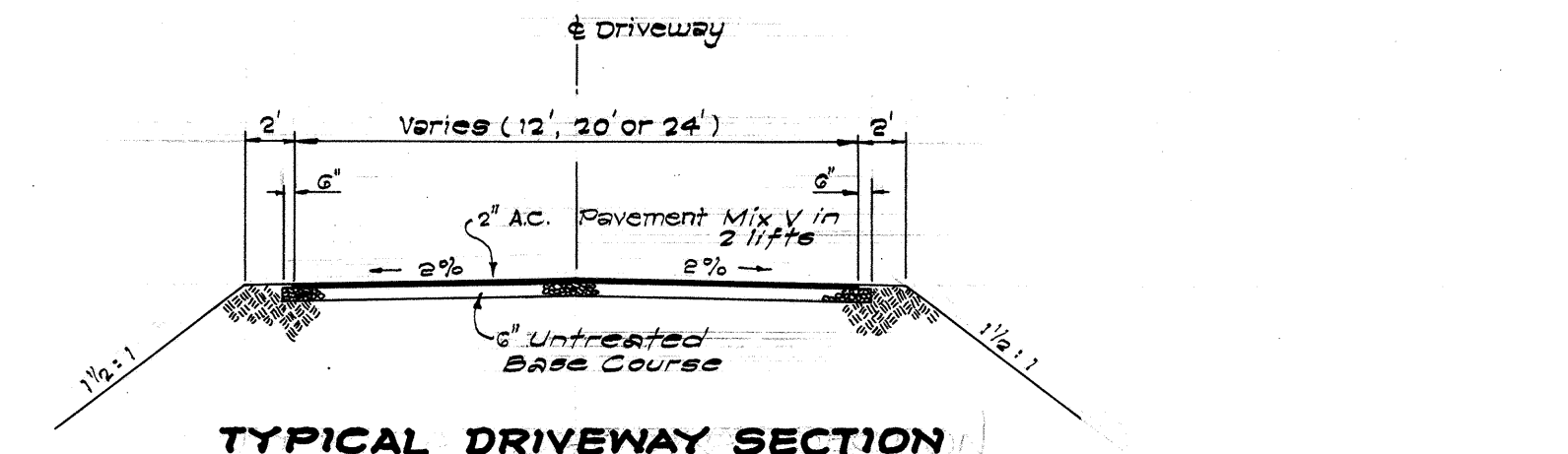
TYPICAL SECTION C.R.M. LINING @ BRIDGE

Scale: 1/2" = 1'-0"

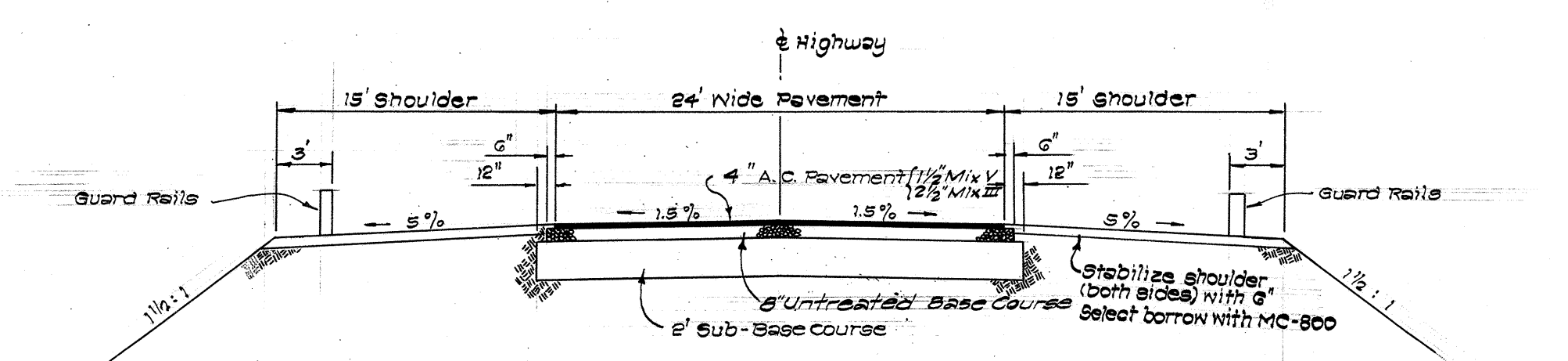


ELEVATION OF 16" WATER LINE CROSSING @ CHANNEL

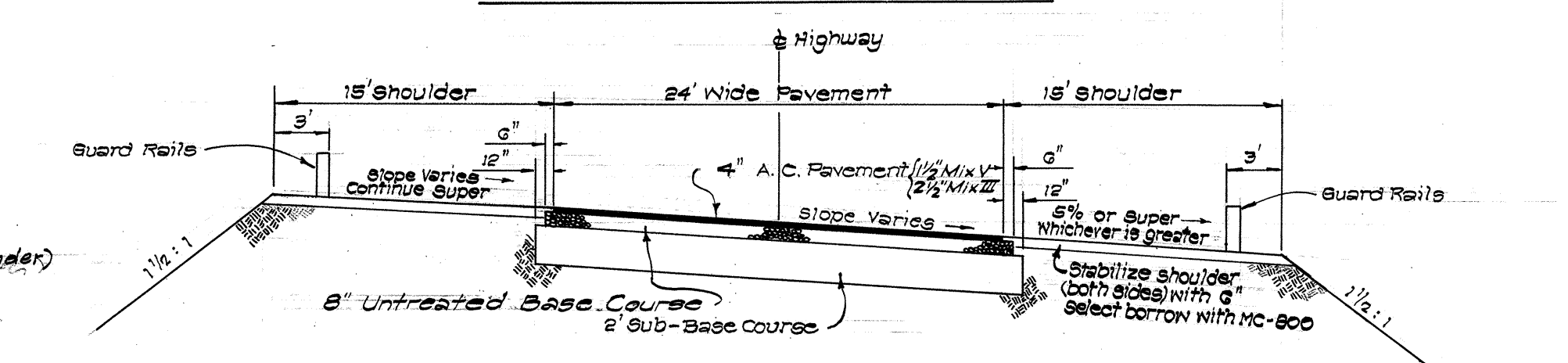
Scale: 1" = 20'



TYPICAL DRIVEWAY SECTION



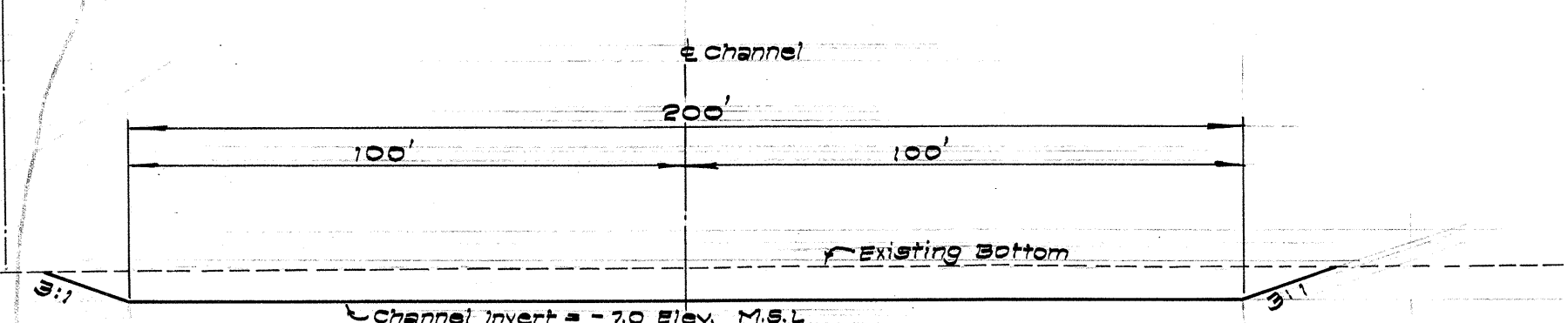
NORMAL HIGHWAY SECTION



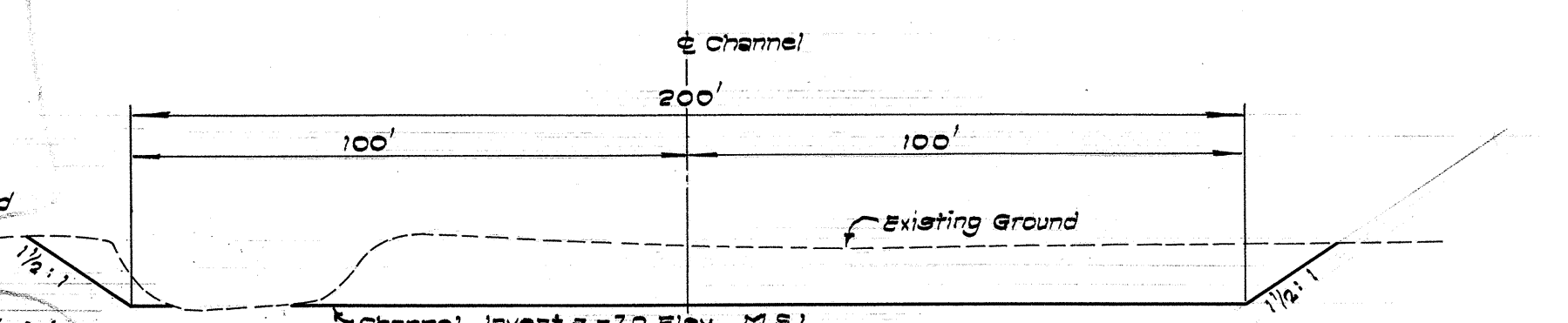
FULL SUPERED HIGHWAY SECTION

TYPICAL ROADWAY SECTIONS

Scale: 1/2" = 1'-0"



TYPICAL CHANNEL SECTION



TYPICAL CHANNEL SECTION
(UNDER BRIDGE)

TYPICAL CHANNEL SECTIONS

Scale: 1" = 30'

REVISION	DATE	BRIEF	BY	APPROD
1	5/27/68	Revised Type B Section Lining	SLTH	SLN.
2	10/25/68	Revised 16" Water Line	SLTH	SLN.
3	10/25/68	Revised 16" Water Connection	SLTH	SLN.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PROJECT NO. 72C-02-68
HAWAII-KAI MARINA BRIDGE & CHANNEL
MAUNALUA, OAHU, HAWAII.

MISCELLANEOUS DETAILS

DRAWN BY	J. Horio	ENGINEER	J. Young
APPROVED BY			
DIRECTOR, DIV. OF ENGINEERING	DATE	DEPUTY TRAFFIC ENGINEER	DATE
CHIEF, ENGR. DIVISION, S.W.S.D.	DATE	DIRECTOR, DIV. OF SEWERS	DATE
FILE	POCKET	FOLDER	NO.

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
[Signature] 8/31/67

