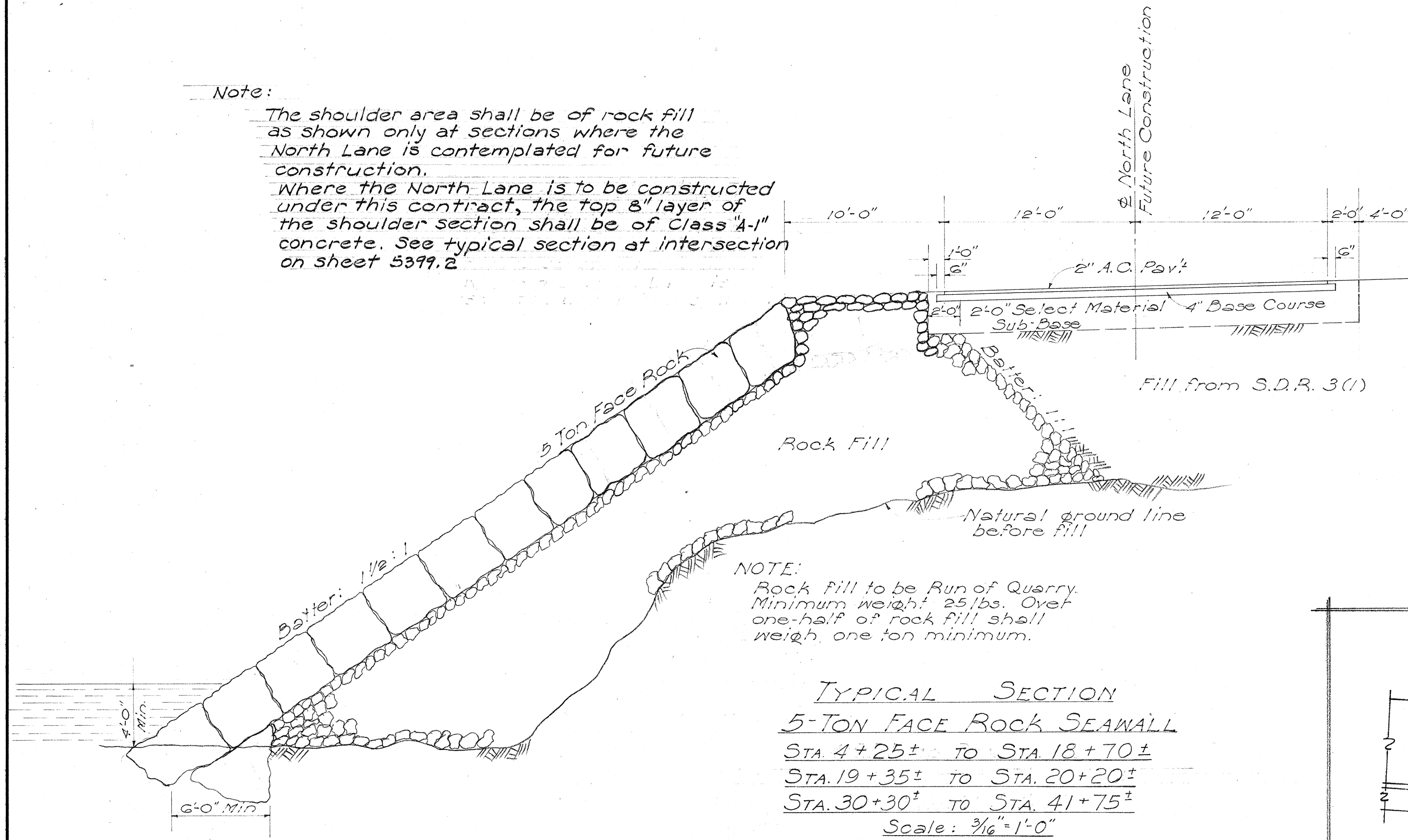


Note:

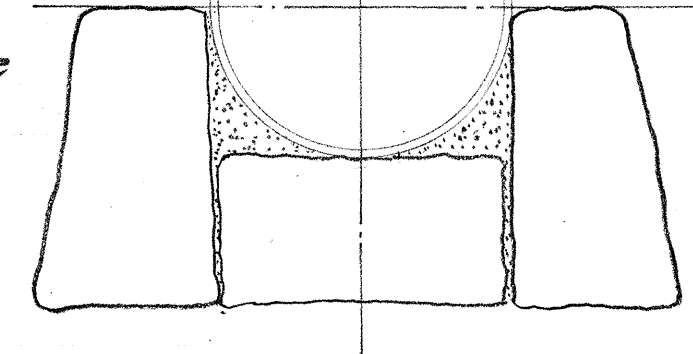
The shoulder area shall be of rock fill as shown only at sections where the North Lane is contemplated for future construction. Where the North Lane is to be constructed under this contract, the top 8" layer of the shoulder section shall be of Class A-1 concrete. See typical section at intersection on sheet 5399.2



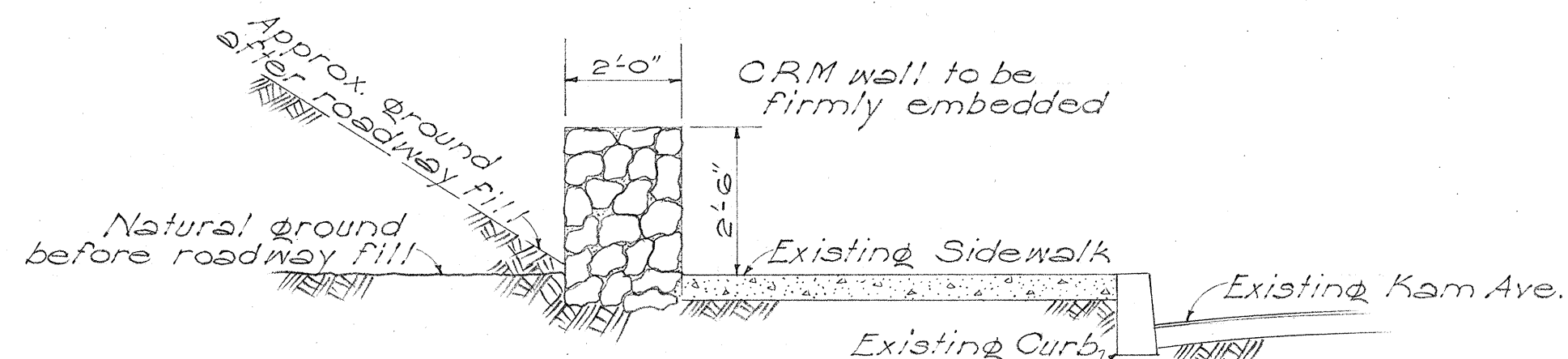
Outlet of conc. pipe culverts

Rocks shall be at least 12" thick 6-12" wide.

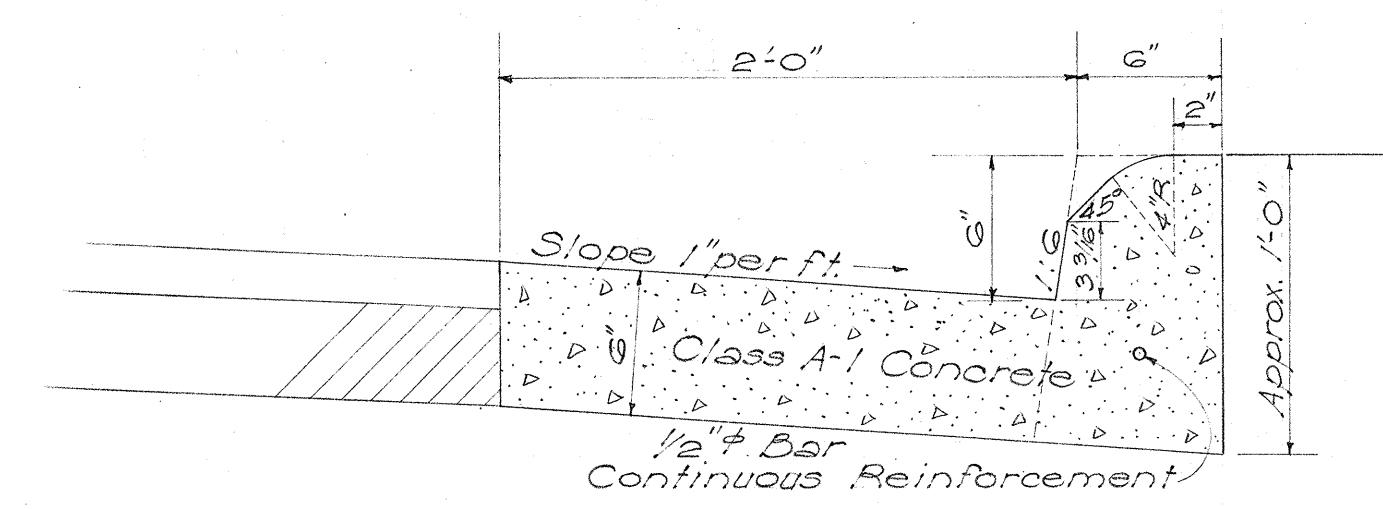
Note: If invert of pipe is above water level, the rock cradle shall be cemented together. If invert is at or below water level, the rocks shall be firmly set into position.



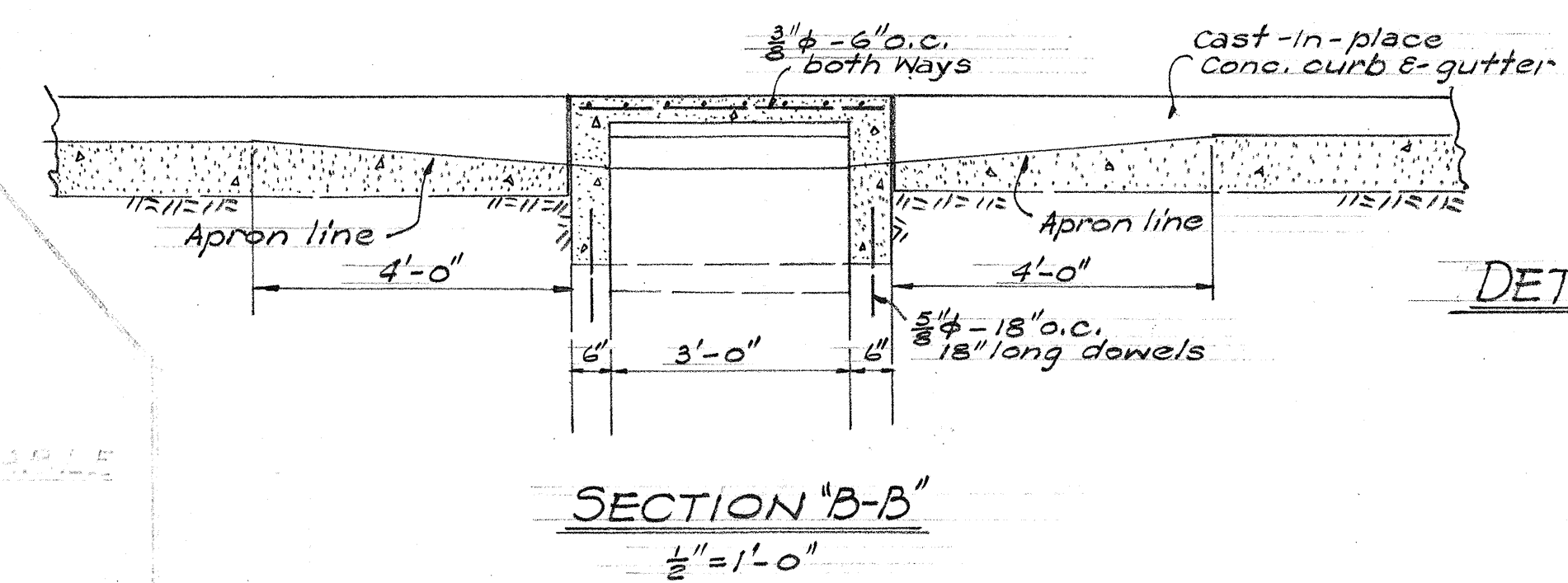
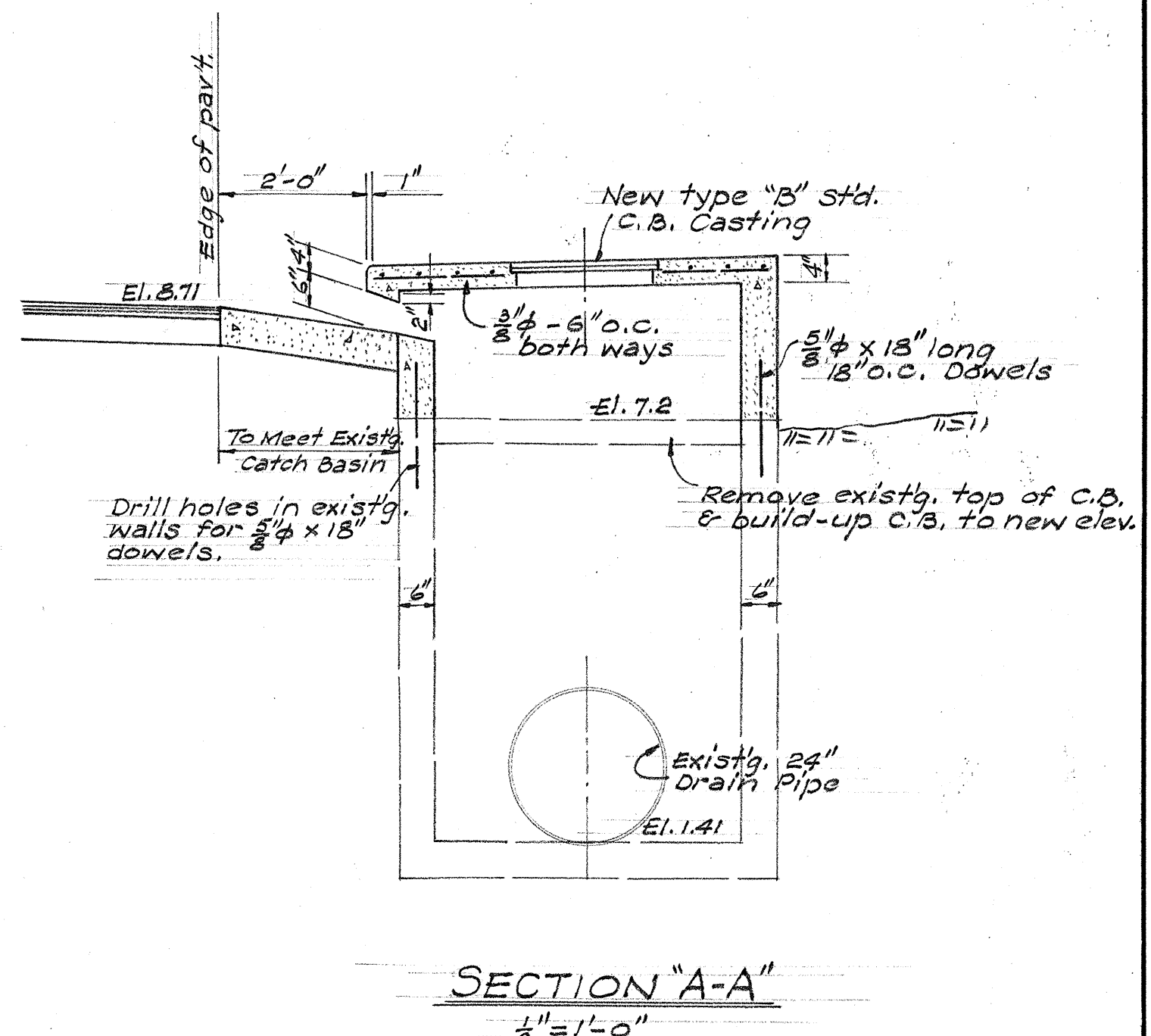
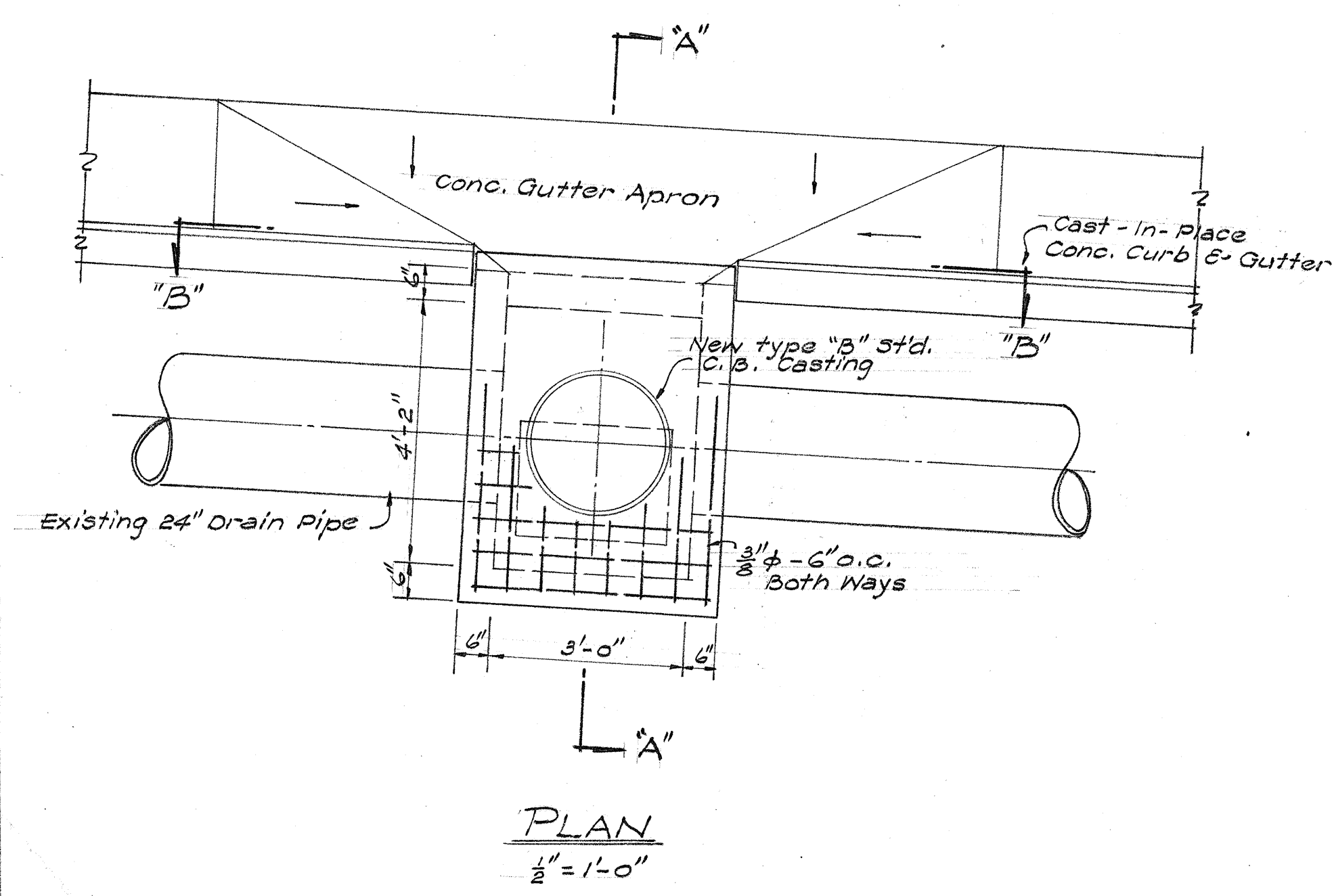
DETAIL OF ROCK CRADLE



Typical Section of CRM Wall
STA. 2+00± to STA. 4+00± R
STA. 50+40± to STA. 61+25± R
Scale: 3/8" = 1'-0"



Detail of Cast-in-Place Mountable Concrete Curb and Gutter
Scale: 1 1/2" = 1'-0"

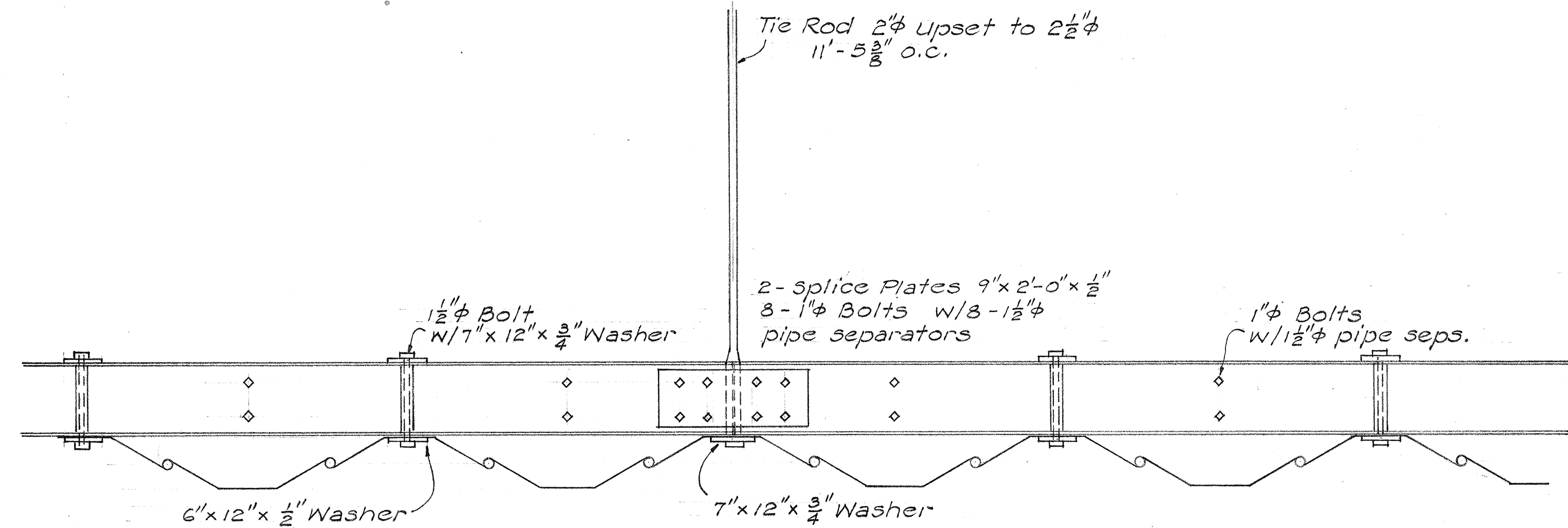


DETAILS FOR BUILT-UP CATCH BASIN

STA. 34+24
1/2" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
MISCELLANEOUS DETAILS
HILO WATERFRONT HIGHWAY
SDR 2(2)

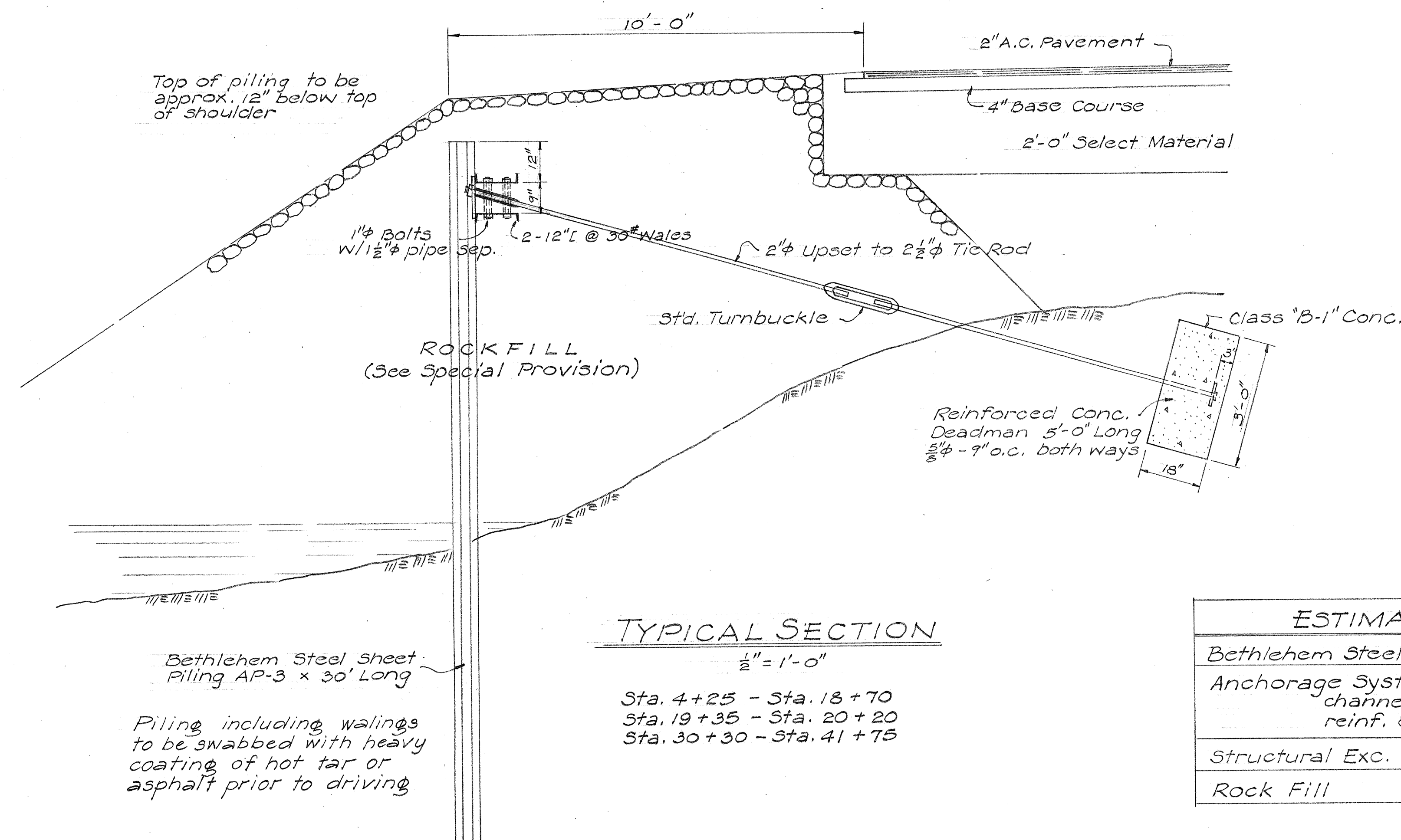
SURVEY PLOTTED BY: DATE: 11/1/40
DESIGNED BY: J. H. HARRIS
DRAWN BY: J. H. HARRIS
CHECKED BY: J. H. HARRIS
NOTE BOOK No. 1



DETAIL PLAN OF WALES

3/4" = 1'-0"

Note:
The Contractor shall provide outlet thru the steel sheet piling for the pipe culverts.



TYPICAL SECTION

1/2" = 1'-0"

Sta. 4+25 - Sta. 18+70
Sta. 19+35 - Sta. 20+20
Sta. 30+30 - Sta. 41+75

Bethlehem Steel Sheet Piling AP-3 x 30' Long

Piling including walings to be swabbed with heavy coating of hot tar or asphalt prior to driving

ESTIMATED QUANTITIES	
Bethlehem Steel Sheet Pile - 30' Long	1684 Ea.
Anchorage System (Complete with channel, rod, nuts & bolts, reinf. & concrete.)	235 Units
Structural Exc.	975 C.Y.
Rock Fill	17,000 Tons

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

SEAWALL FOR SHORE
PROTECTION - HILO WATERFRONT

SDR 2 (2)

Oct. 11, 1950

5399.3A