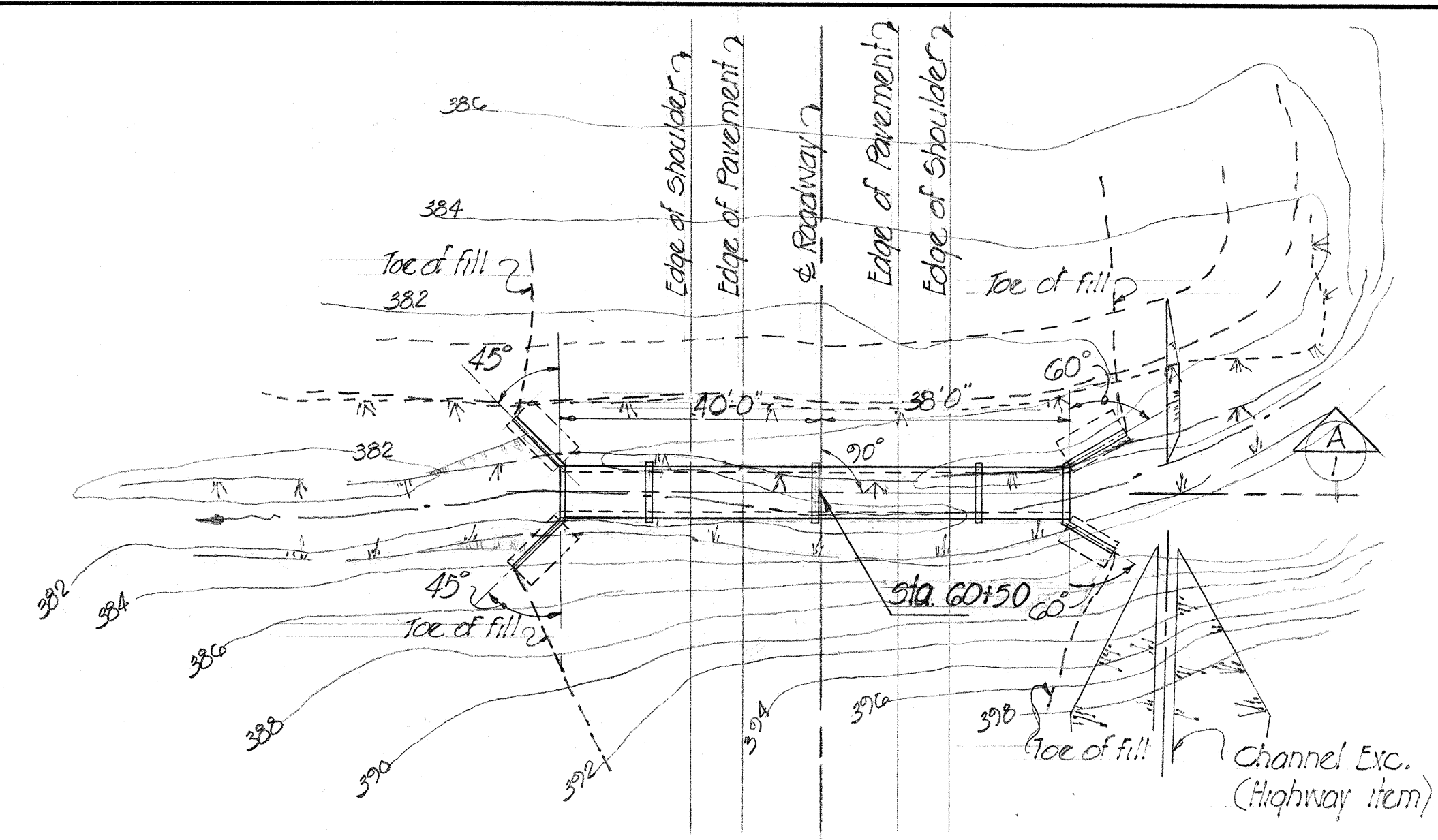
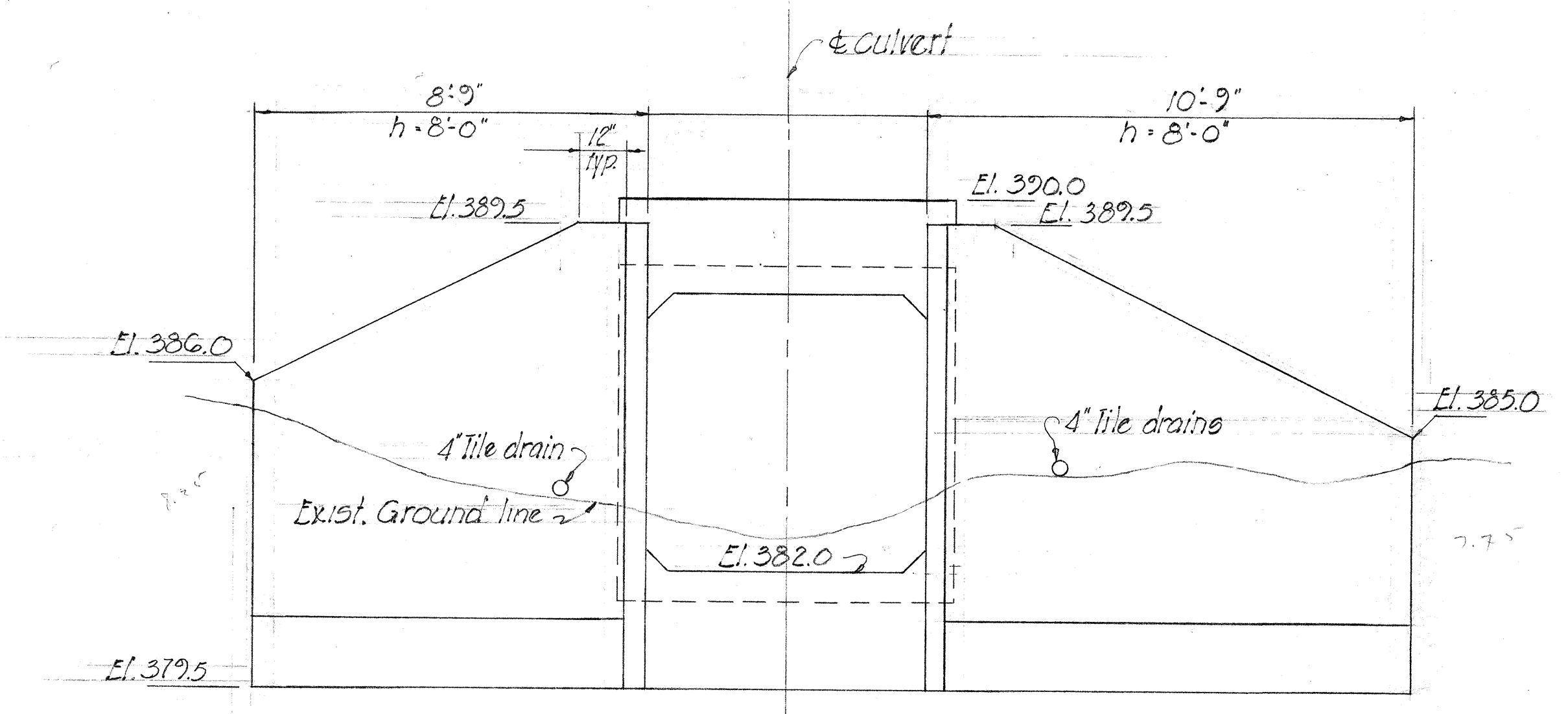
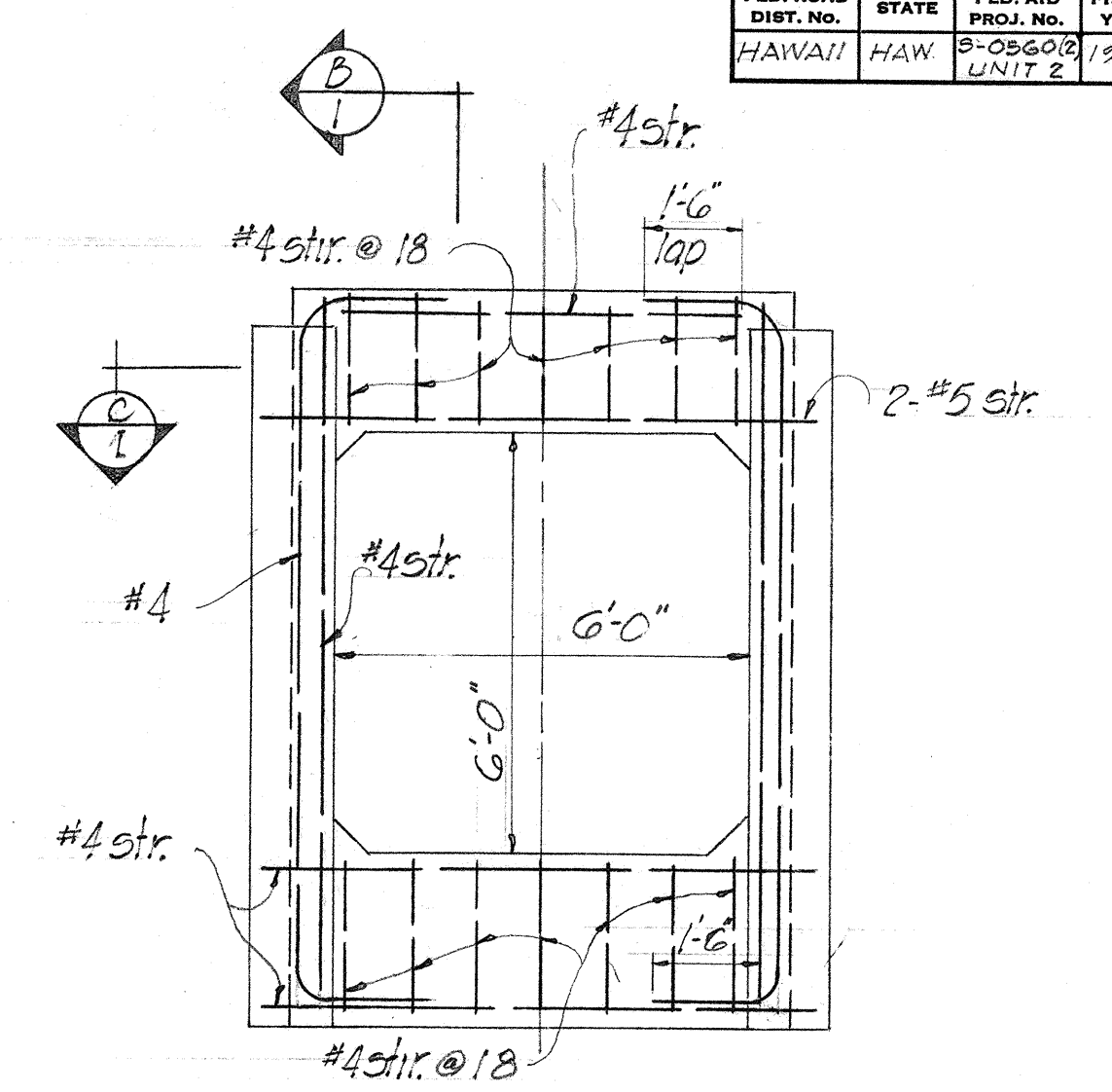




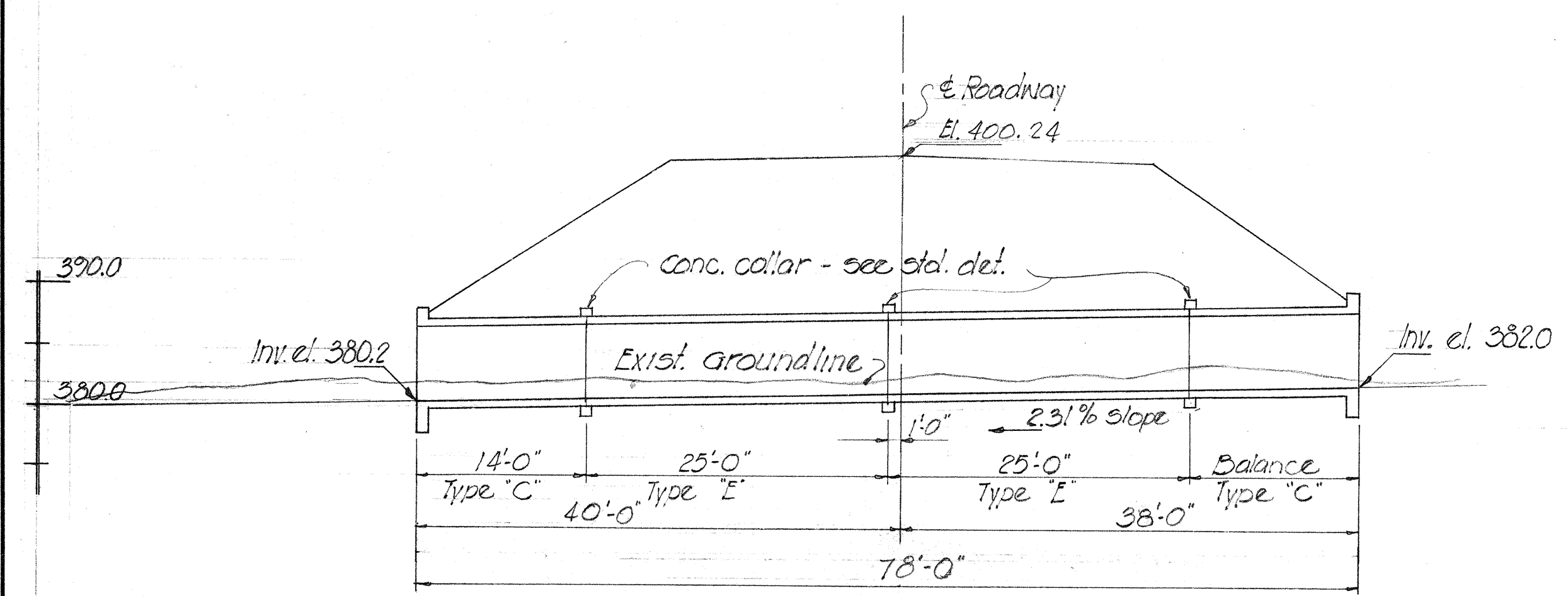
LAYOUT PLAN
Scale: 1"=20'-0"



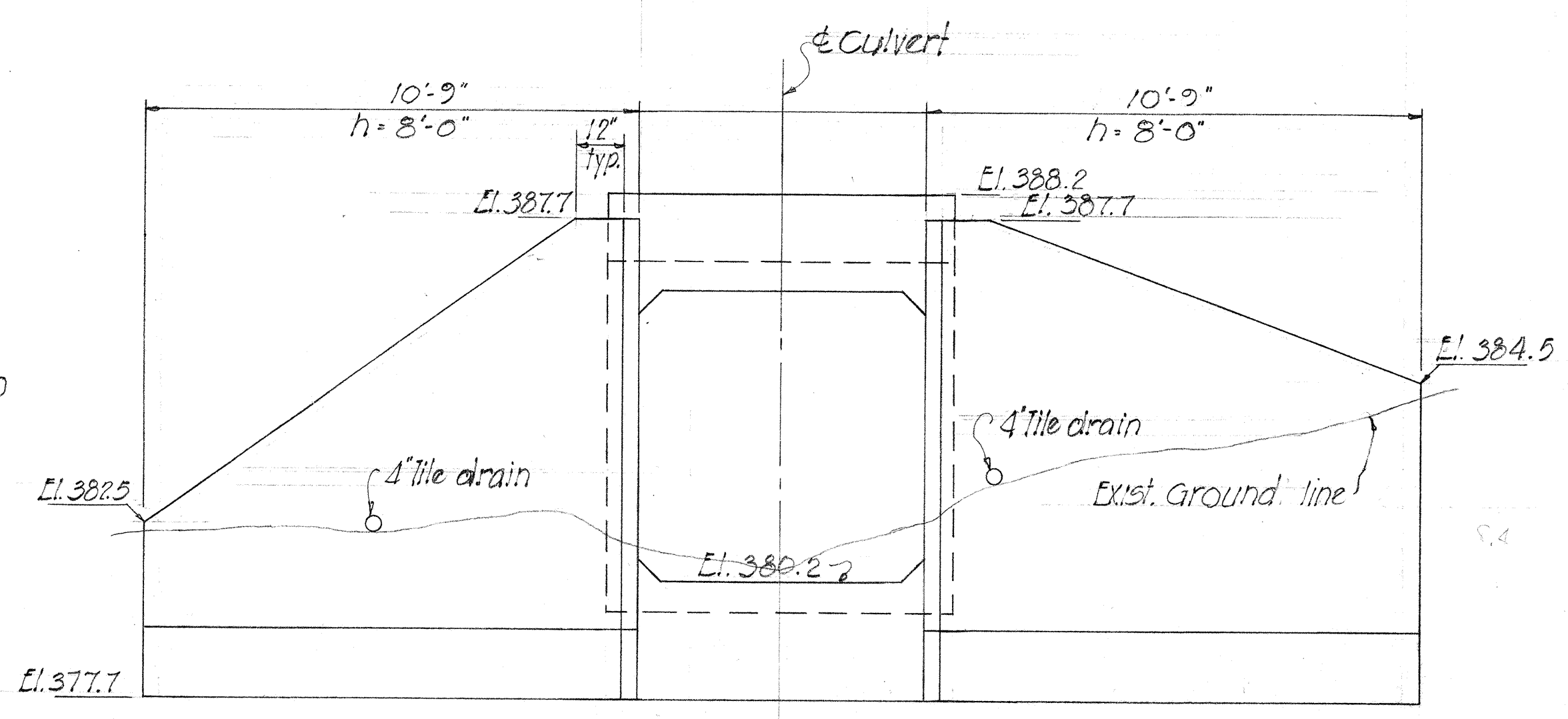
INTAKE ELEVATION
Scale: 3/8"=1'-0"



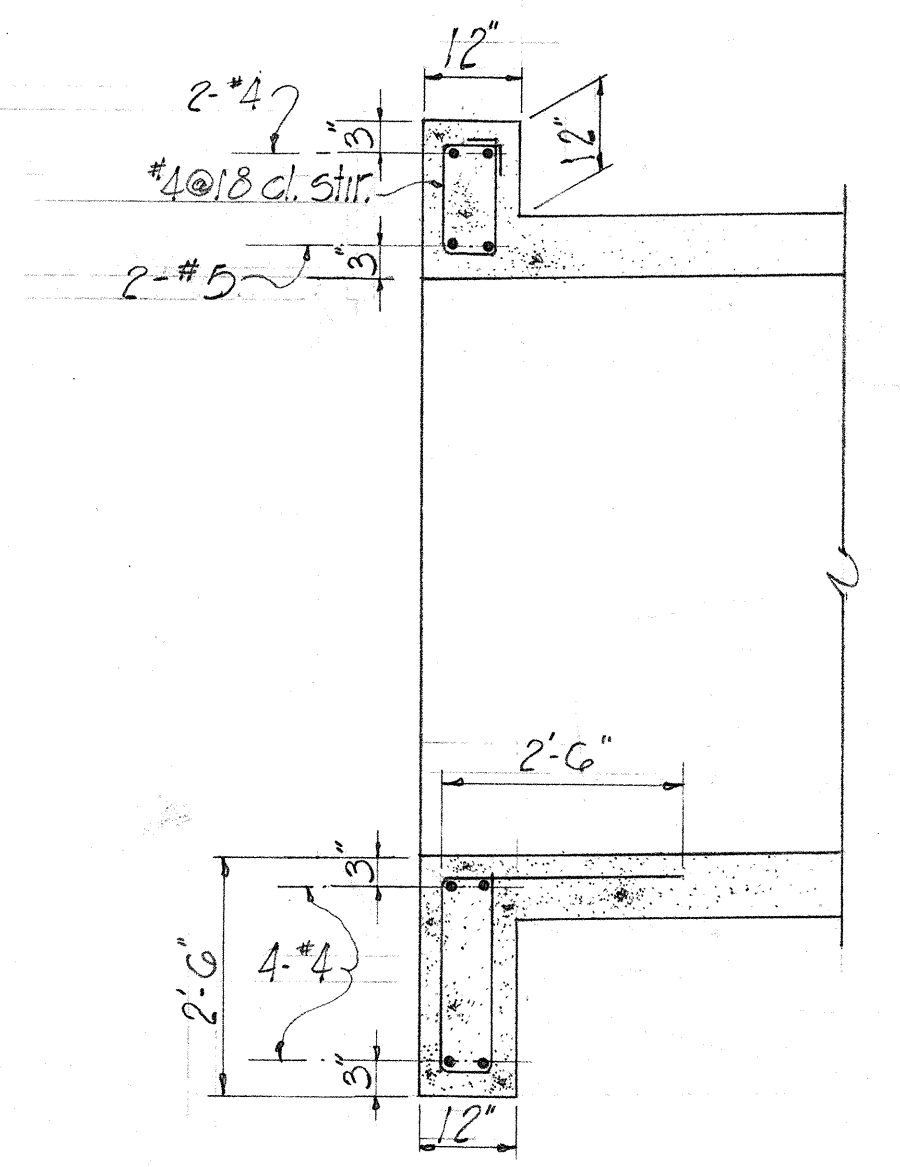
TYPICAL HEADWALL ELEVATION
Scale: 3/8"=1'-0"



SECT. THRU & BOX CULVERT
Scale: 1"=10'-0"



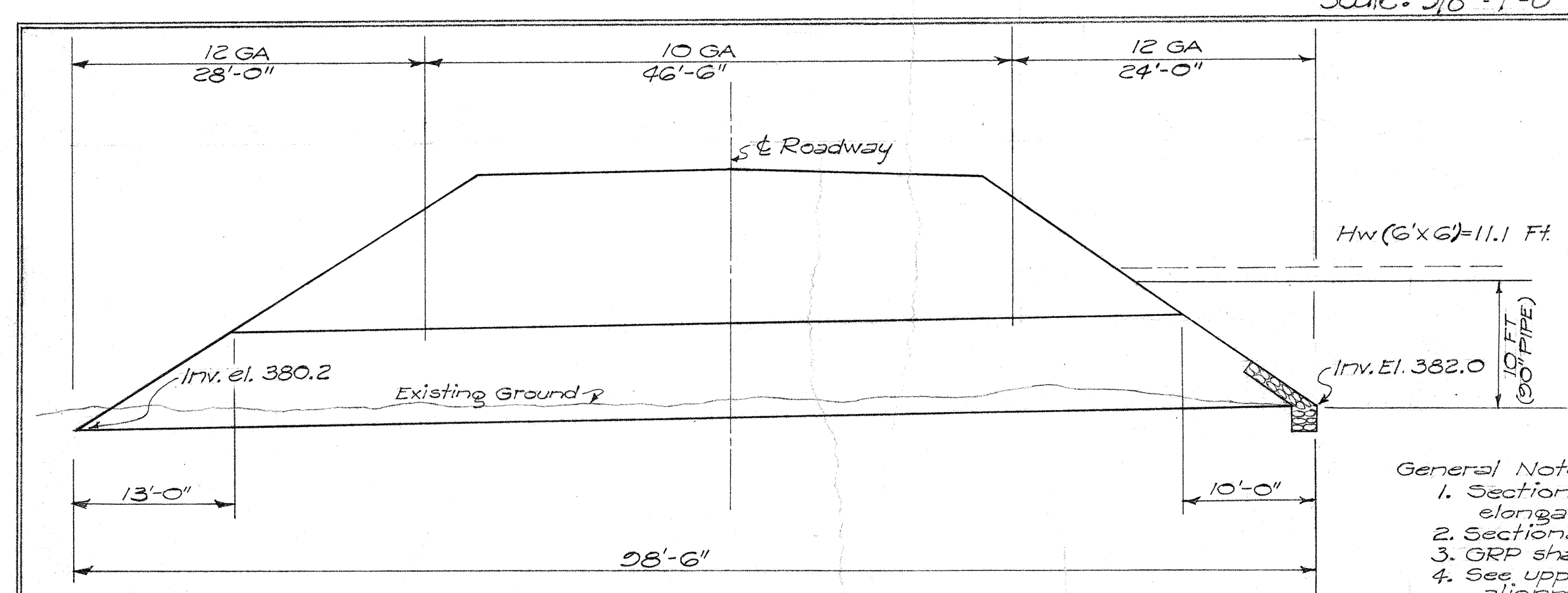
OUTLET ELEVATION
Scale: 3/8"=1'-0"



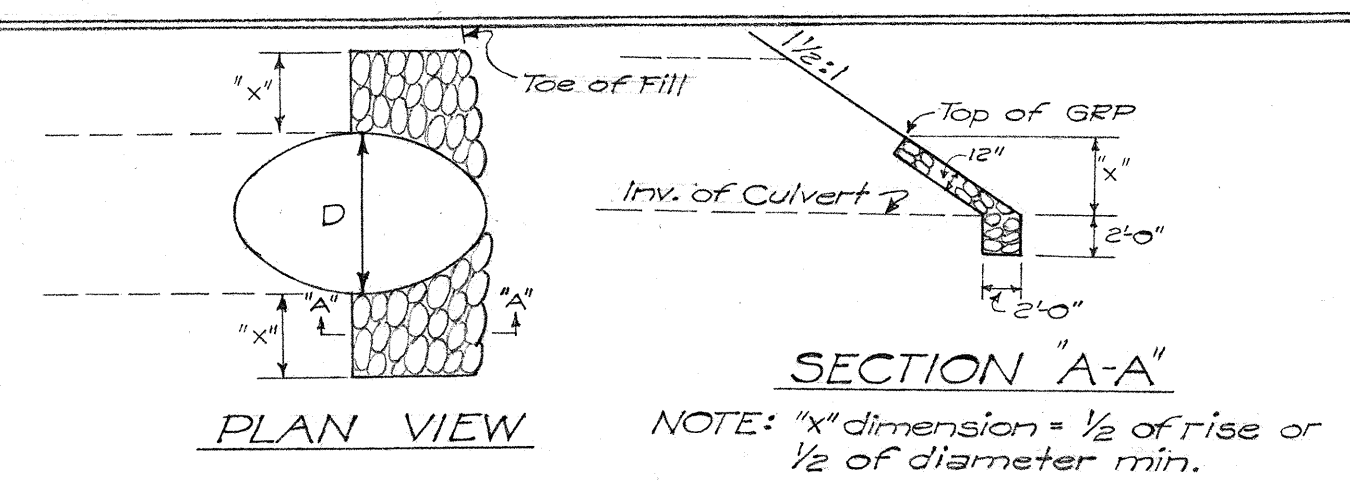
SECTION B-B
Scale: 1/2"=1'-0"

ESTIMATED QUANTITIES

Class A-1 Concrete	Lump sum	75.5	cy
Reinforcing Steel	Lump sum	7,956.0	lbs
Structural Exc		111.0	cy
Channel Exc		21.0	cy
Filter Material		4.0	cy



SECTION THRU & CULVERT
Scale: 1"=10'-0"

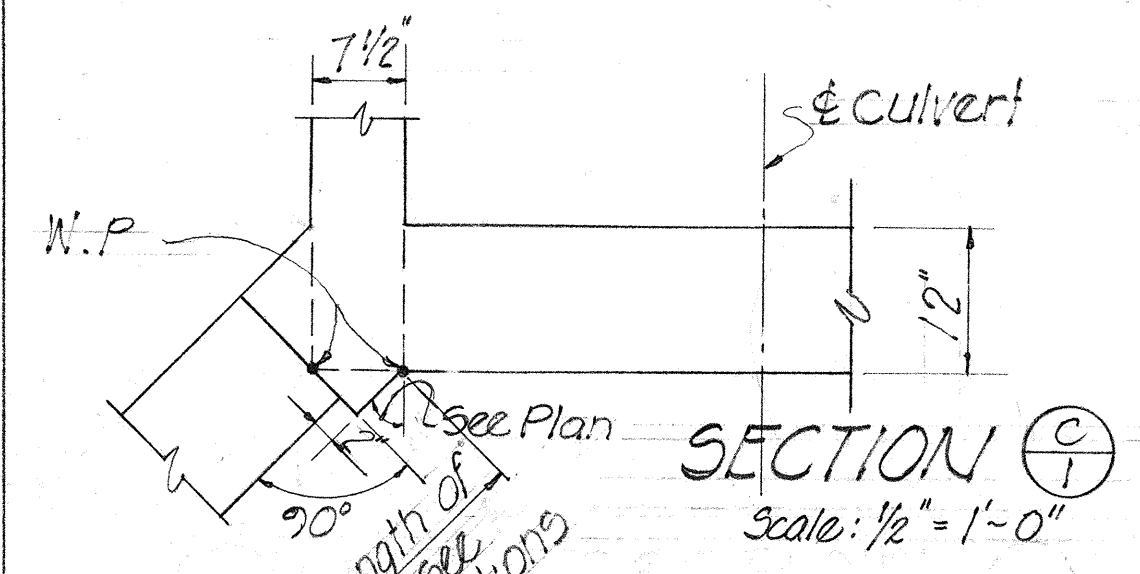


DETAIL OF GROUTED RUBBLE PAVING
Not to Scale

- General Notes:
- Sectional plate culvert shall have the vertical diameter elongated 5% by shaping the plates at the factory.
 - Sectional plate pipe culvert shall be asphalt painted.
 - GRP shall be placed on inlet ends as shown above.
 - See upper left hand corner of this sheet for horizontal alignment of culvert.

Est. Quant.

Structural Exc.	28	sq	C.Y.
30" Sectional plate pipe Culvert	10	ga	46.5
30" Sectional plate pipe Culvert	12	ga	52.0
GRP	4.3	sq	C.Y.
Ditch & Channel Exc.	27	sq	C.Y.



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

ALTERNATE "A" & "B"
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STATE OF HAWAII
6'-0" x 6'-0" BOX CULV'T,
30" GCM SECTIONAL PIPE
STA. 60+50
KAUAI BELT ROAD Proj. S-0560(2)
JULY 1961