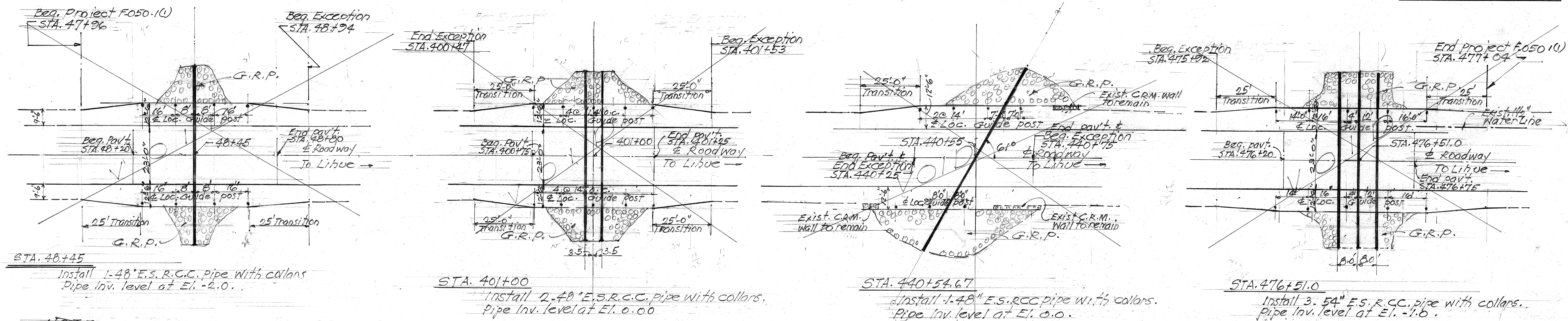
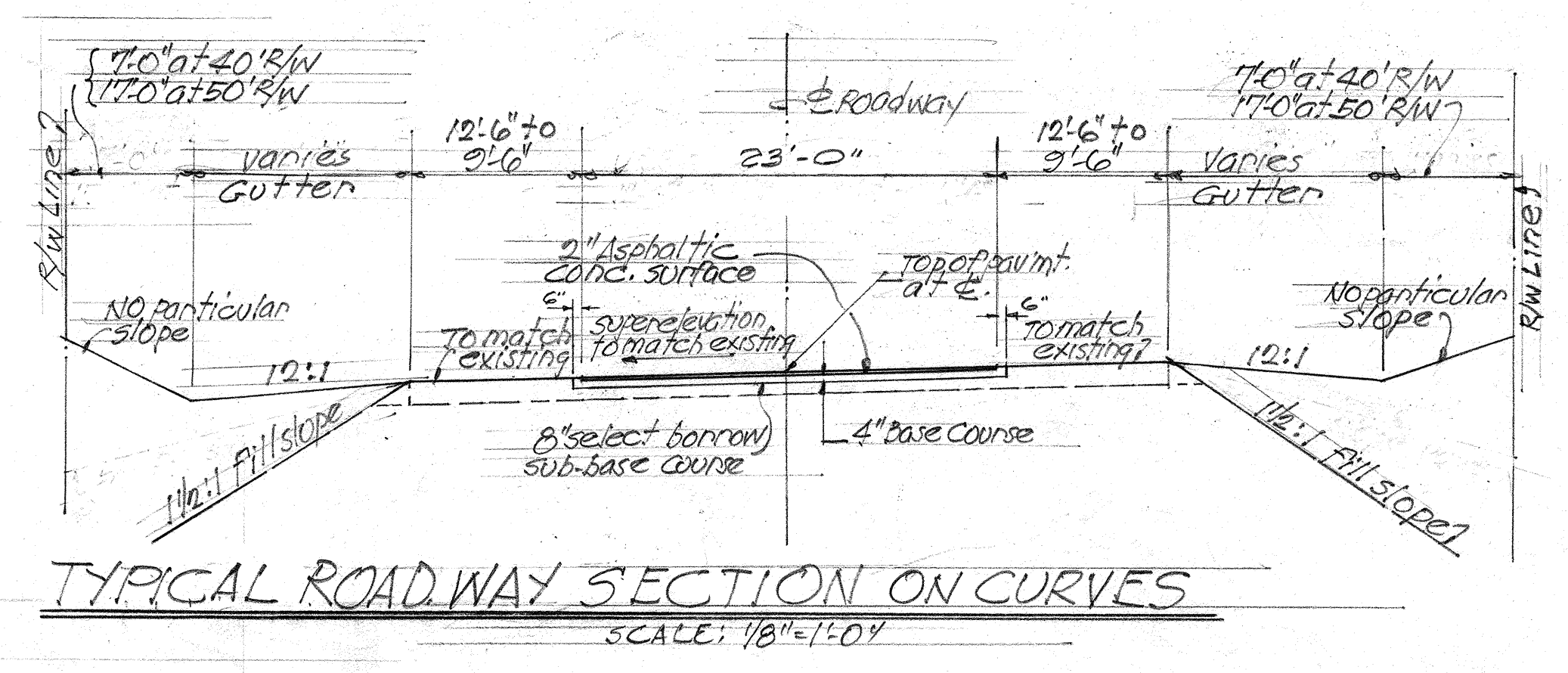
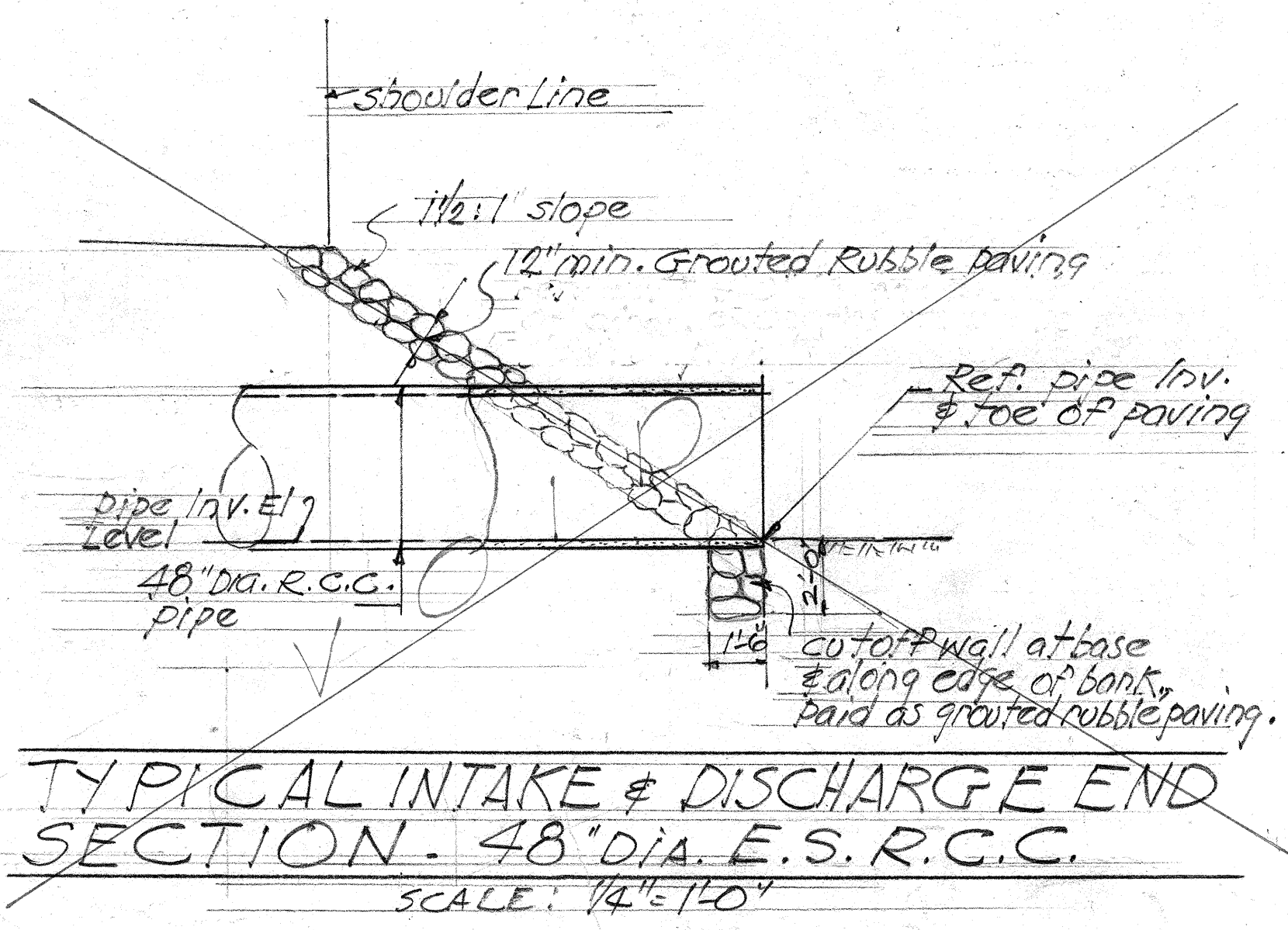
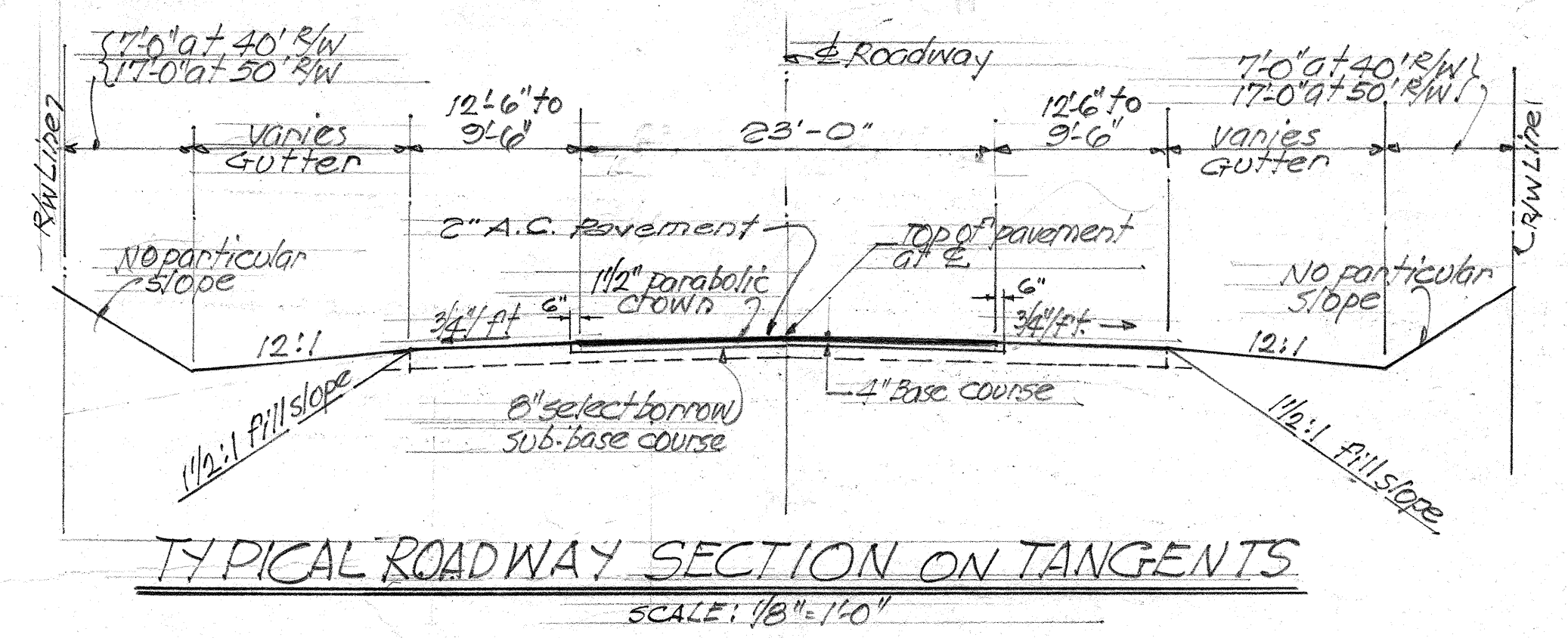




NOTE:

Where existing bridge concrete pier & abutment occurs, remove only that portion of pier & abutment to 3'0" min. below finish roadway grade. All guide post to be concrete type shown on standard details. For exact location see corresponding plan above. For existing contours & finish roadway grade of the above pipe culvert locations, see corresponding plans of proposal "B".

ESTIMATED QUANTITIES					
ITEMS	LOCATION				GRAND TOTAL
	STA. 48+45	40+00	440+55	476+51	
BORROW	550.0	560.0	780.0	510.0	2,400.0 c.y.
SELECT BORROW	150.0	125.0	125.0	140.0	540.0 c.y.
COARSE ROCK	24.0	20.0	20.0	21.0	85.0 c.y.
FILLER	7.0	6.0	6.0	7.0	26.0 c.y.
PRIMER	56.0	47.0	47.0	50.0	200.0 gals.
SPRINKLING	6.0	5.0	5.0	5.5	21.5 M/gals
A.C. PAVEMENT MIX III	19.0	15.5	15.5	17.0	67.0 tons
STRUCTURAL EXC.	—	47.0	15.0	103.0	165.0 cu. yds.
48" E.S.R.C.C. PIPE WITH COLLARS	80.0	144.0	88.0	—	312.0 lin. ft.
54" E.S.R.C.C. PIPE WITH COLLARS	—	—	—	224.0	224.0 lin. ft.
GROUTED RUBBLE PAVING	35.0	46.0	65.0	47.0	193.0 cu. yds.
8" x 8" x 5'10" Lg. CONC. GUIDE POST	8 pcs.	10 pcs.	7 pcs.	10 pcs.	35 pcs.
CHANNEL EXC.	—	12.0	—	38.0	50 cu. yds.



GENERAL NOTES

- Pavement shall be Asphalt concrete of 2" compacted thickness using Mix No. III.
- Base course shall be 4" waterbound base course to be placed in one layer of 4" compacted thickness, consisting of coarse rock (size No. 2-2 1/2" to 3/4") with filler (1/2" to No. 100).
- Existing timber structures to be removed, see special provisions.
Timber piles to be cut at ground line
- Channel excavation beyond Right of Way Line at each end to be done by others.
- Grouted rubble paving on fill slopes may be omitted by the engineer if field conditions prove to be such that this paving is not required.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
48" & 54" DIA. REINF. CONCRETE CULVERT PIPES - TYP. DETAILS
ALTERNATES FOR PROPOSAL "A" OR "B"
KAUAI BELT ROAD F-050-10(1)
JANUARY 1957