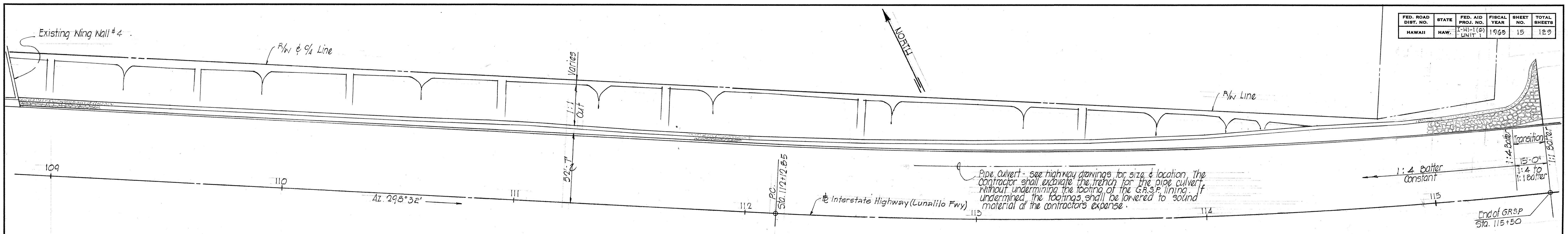
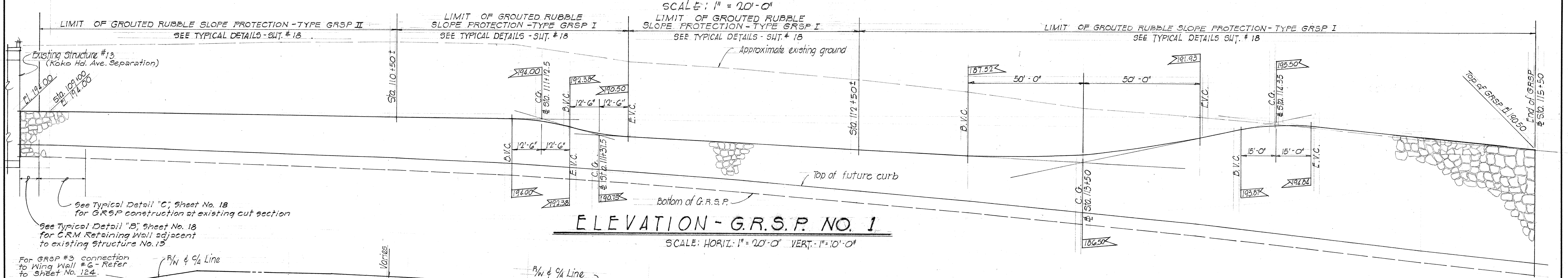


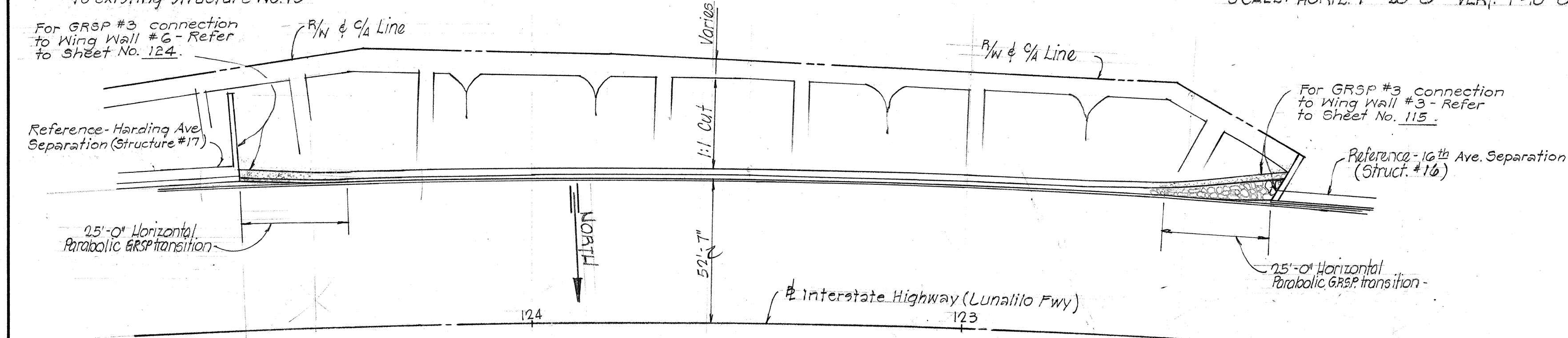
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(6) UNIT 1	1969	15	123



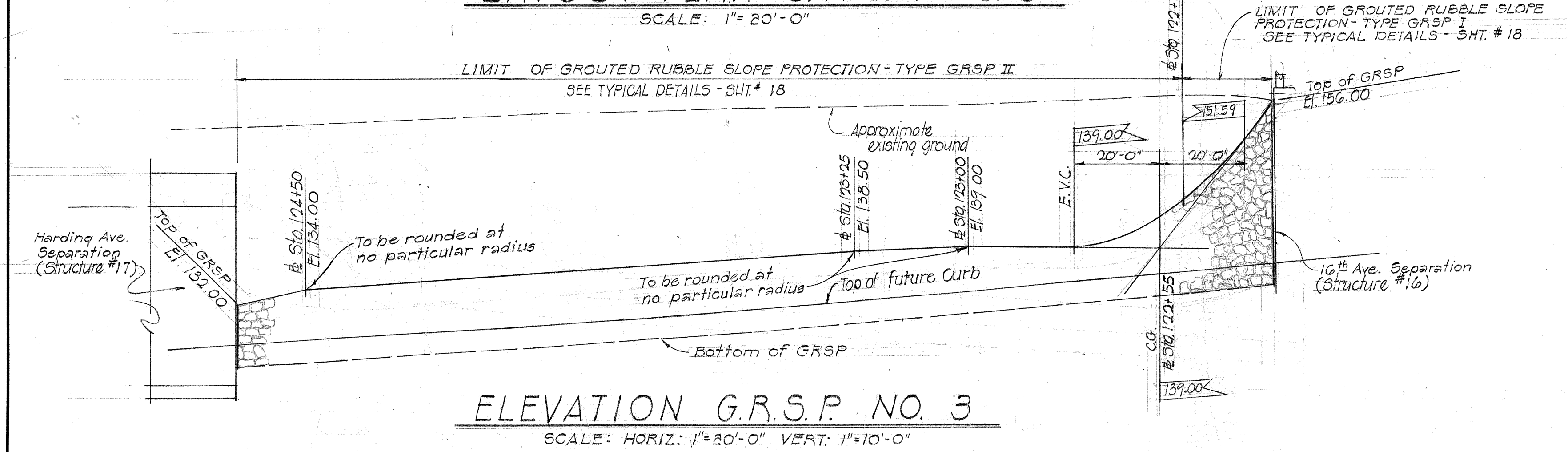
LAYOUT PLAN - G.R.S.P. NO. 1



ELEVATION - G.R.S.P. NO. 1



LAYOUT PLAN - G.R.S.P. NO. 3



ELEVATION G.R.S.P. NO. 3

- NOTE:**
- For details of GRSP at Highway Lighting Lamp Poles, see Sheet Nos. 79 and 76.
 - For Estimated GRSP Quantities, see Sheet No. 18.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

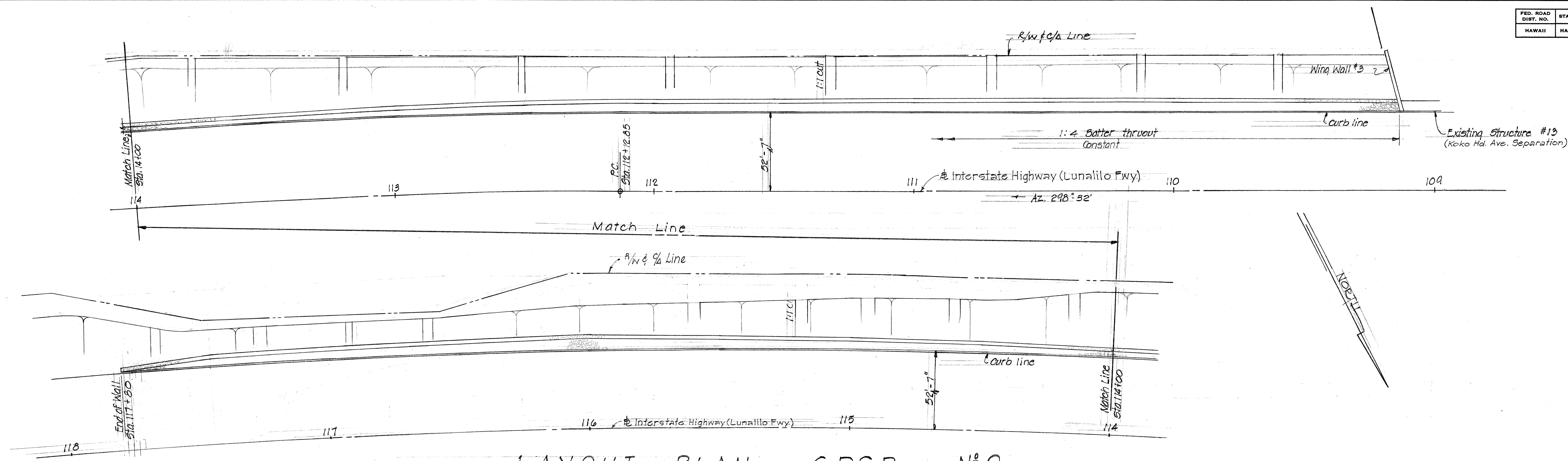
**GRouted RUBBLE SLOPE
PROTECTION NO. 1 AND NO. 3**

INTERSTATE HIGHWAY (LUNALILO FWY)
F.A.I. PROJ. NO. I-H-1(6) UNIT 1

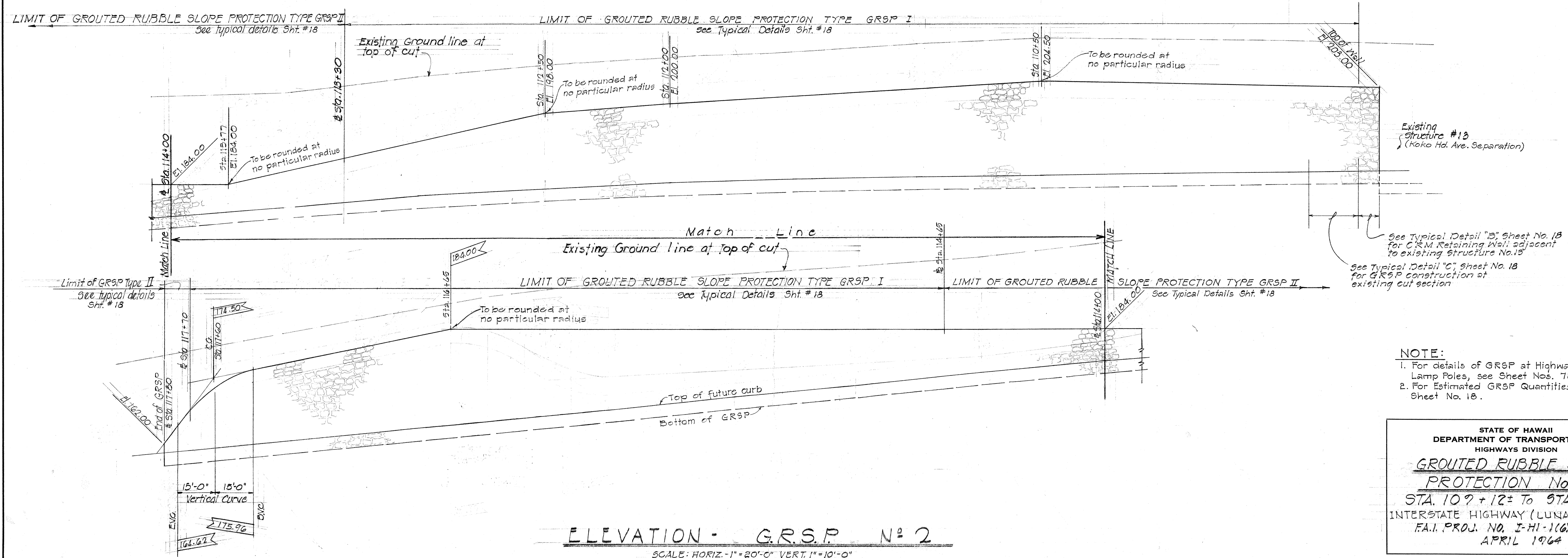
SCALES: AS NOTED APRIL 1964

SHEET No. 1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-41-1(6) UNIT 1	1965	16	127



LAYOUT PLAN - G.R.S.P. N° 2
Scale: 1" = 20'-0"



ELEVATION - G.R.S.P. N° 2
SCALE: HORIZ. - 1" = 20'-0" VERT. 1" = 10'-0"

NOTE:
1. For details of GRSP at Highway Lighting Lamp Poles, see Sheet Nos. 73 and 76.
2. For Estimated GRSP Quantities, see Sheet No. 18.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GROUTED RUBBLE SLOPE PROTECTION No. 2
STA. 107+12± TO STA. 117+80
INTERSTATE HIGHWAY (LUNALILO FWY.)
F.A.I. PROJ. NO. I-41-1(6) UNIT 1
APRIL 1964

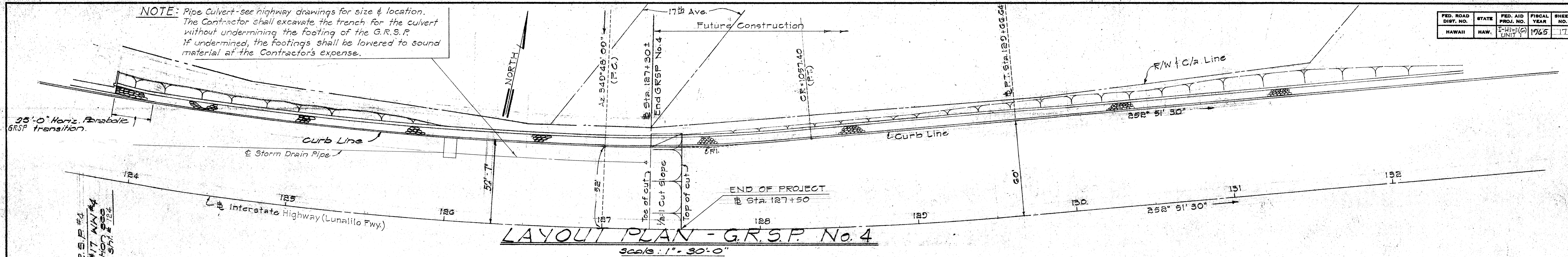
SHEET No. 2 OF 4 SHEETS

16

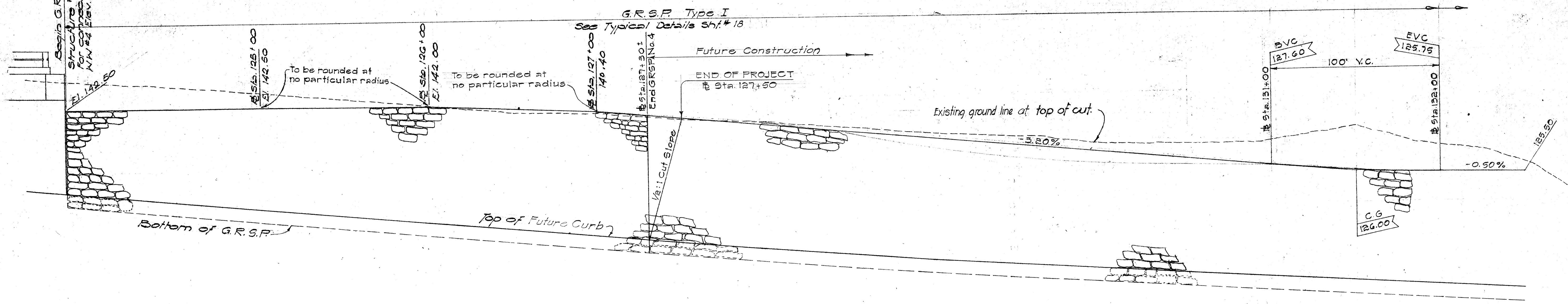
SURVEY PLOTTED BY	DATE
DRAWN BY	"
TRACED BY	"
NOTED BY	"
CHECKED BY	"
ORIGINAL PLAN	No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-1-1(6)	1965	17	129

NOTE: Pipe Culvert - see highway drawings for size & location. The Contractor shall excavate the trench for the culvert without undermining the footing of the G.R.S.P. If undermined, the footings shall be lowered to sound material at the Contractor's expense.



LAYOUT PLAN - G.R.S.P. No. 4
Scale: 1" = 30'-0"



ELEVATION - G.R.S.P. No. 4
Scale: Horiz. 1" = 30'-0"
Vert. 1" = 10'-0"

NOTE:
1. For details of GRSP at Highway Lighting Lamp Poles, see Sheet Nos. 73 and 76.
2. For Estimated GRSP Quantities, see Sheet No. 18.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

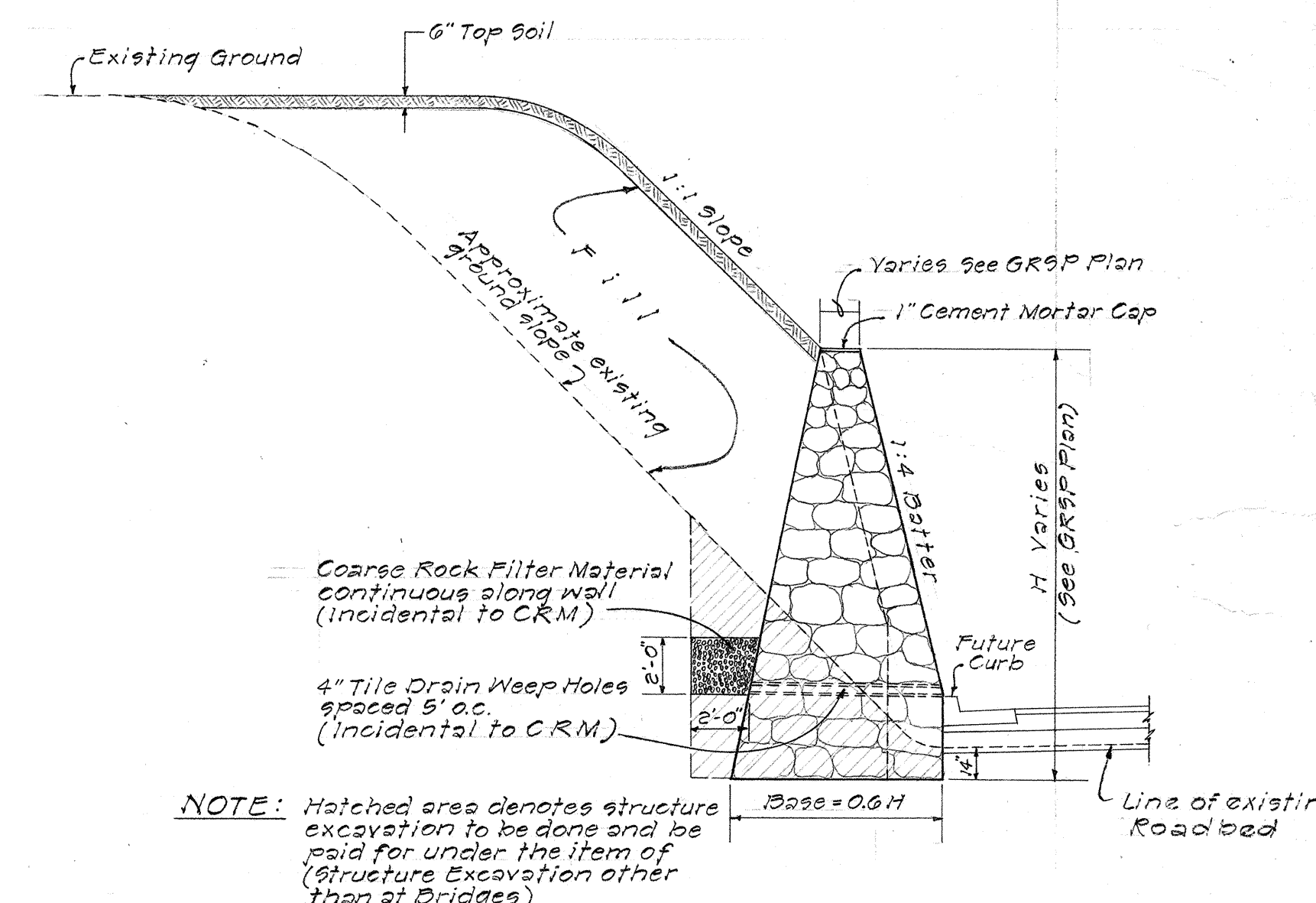
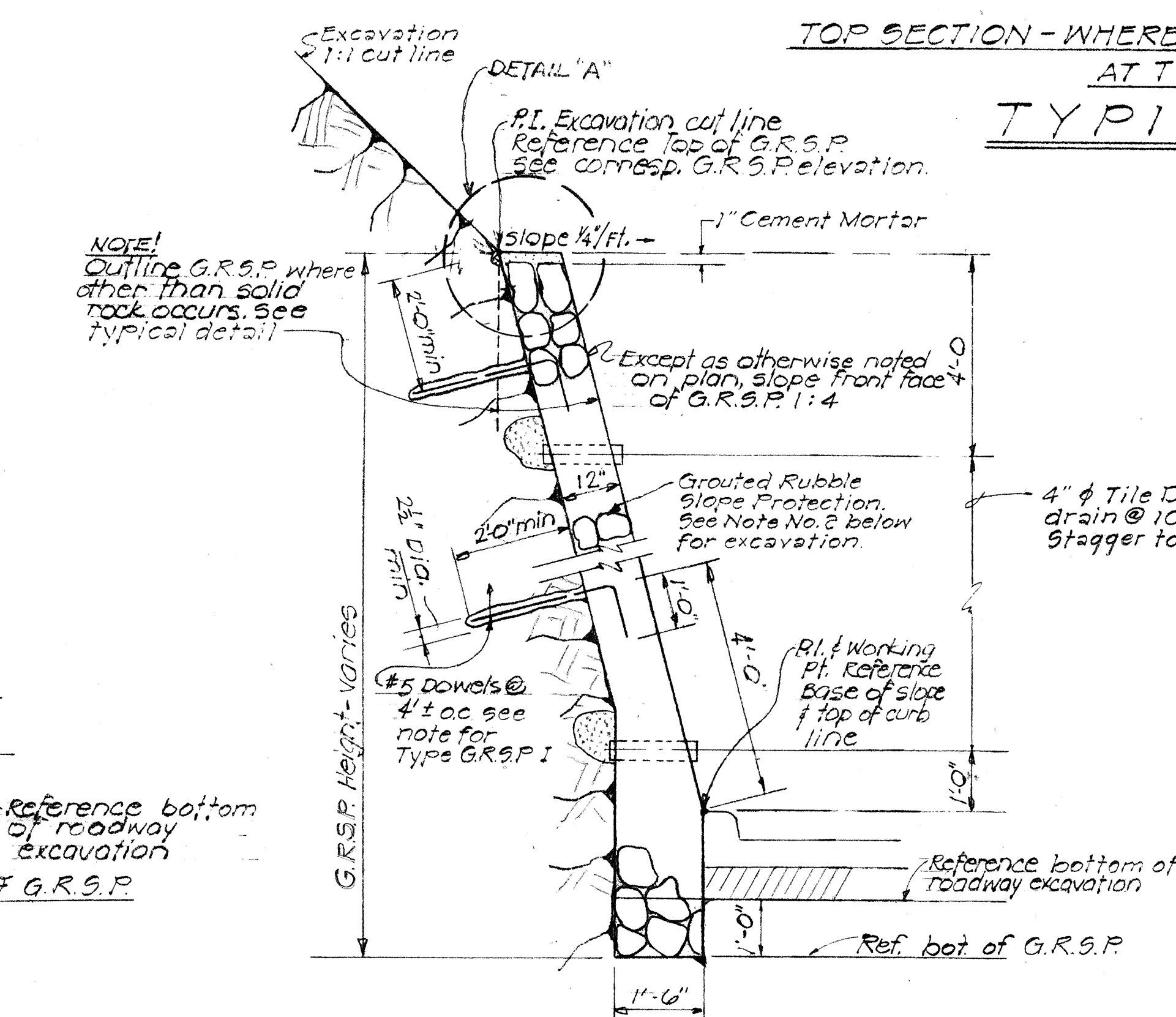
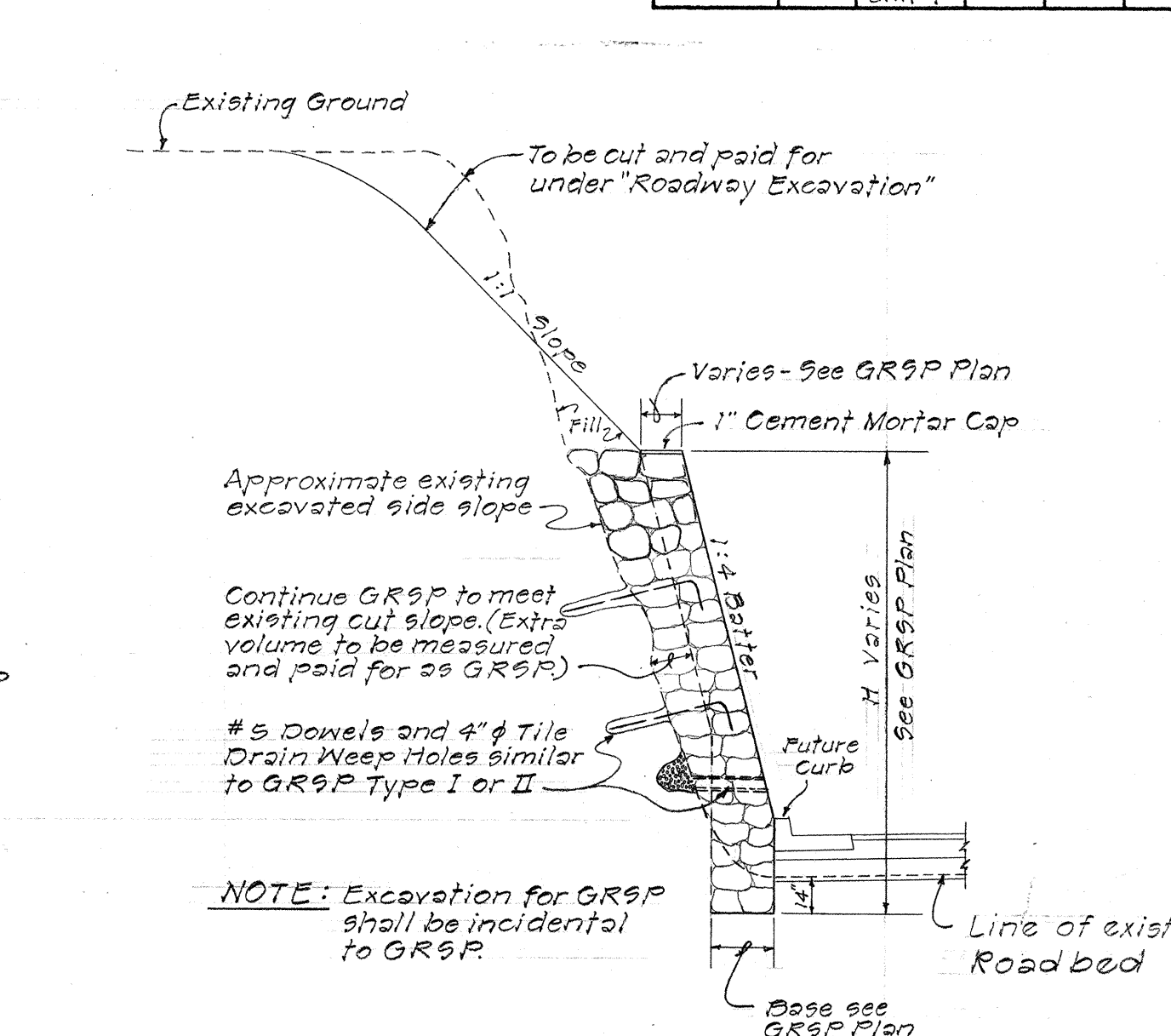
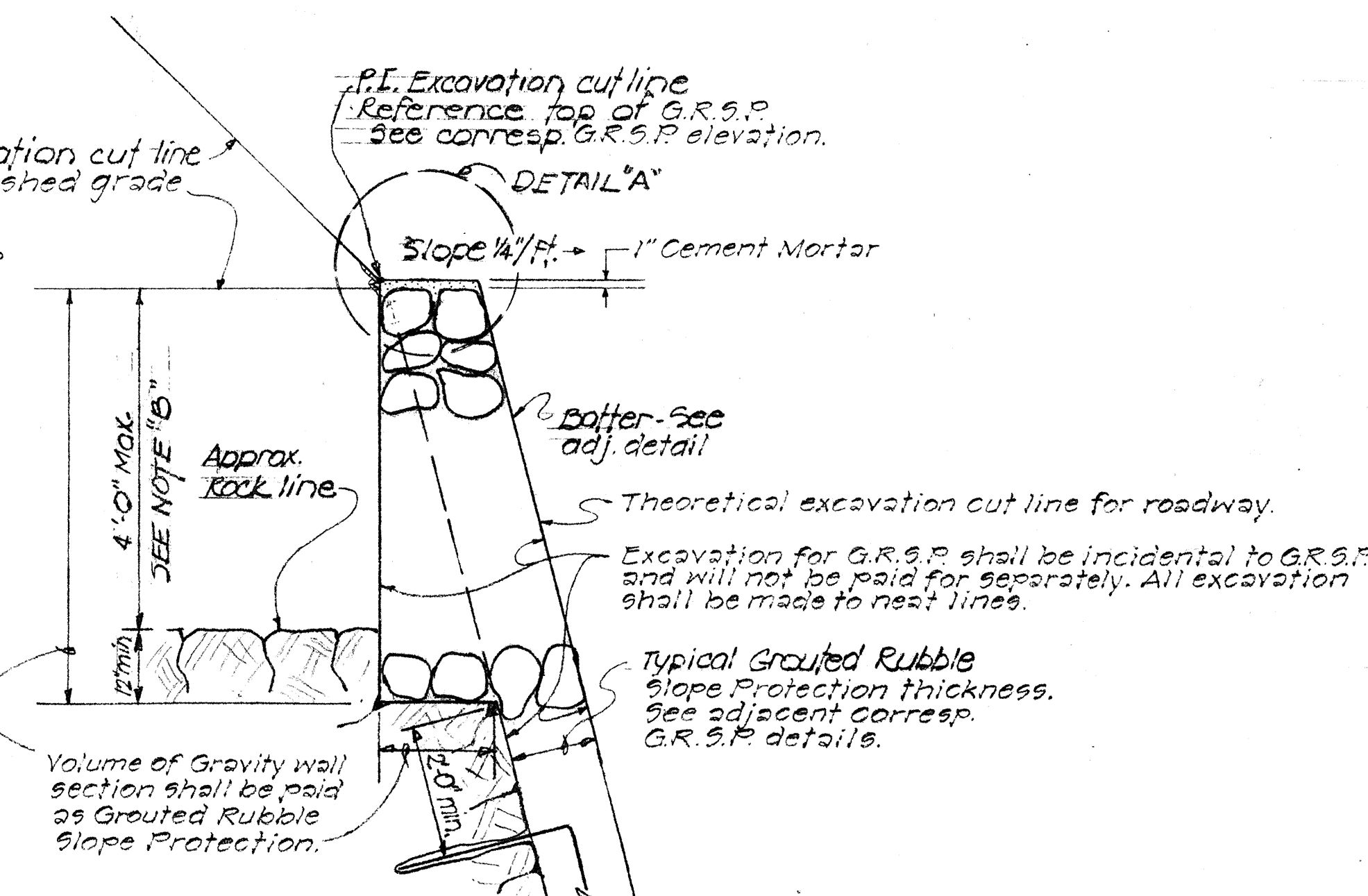
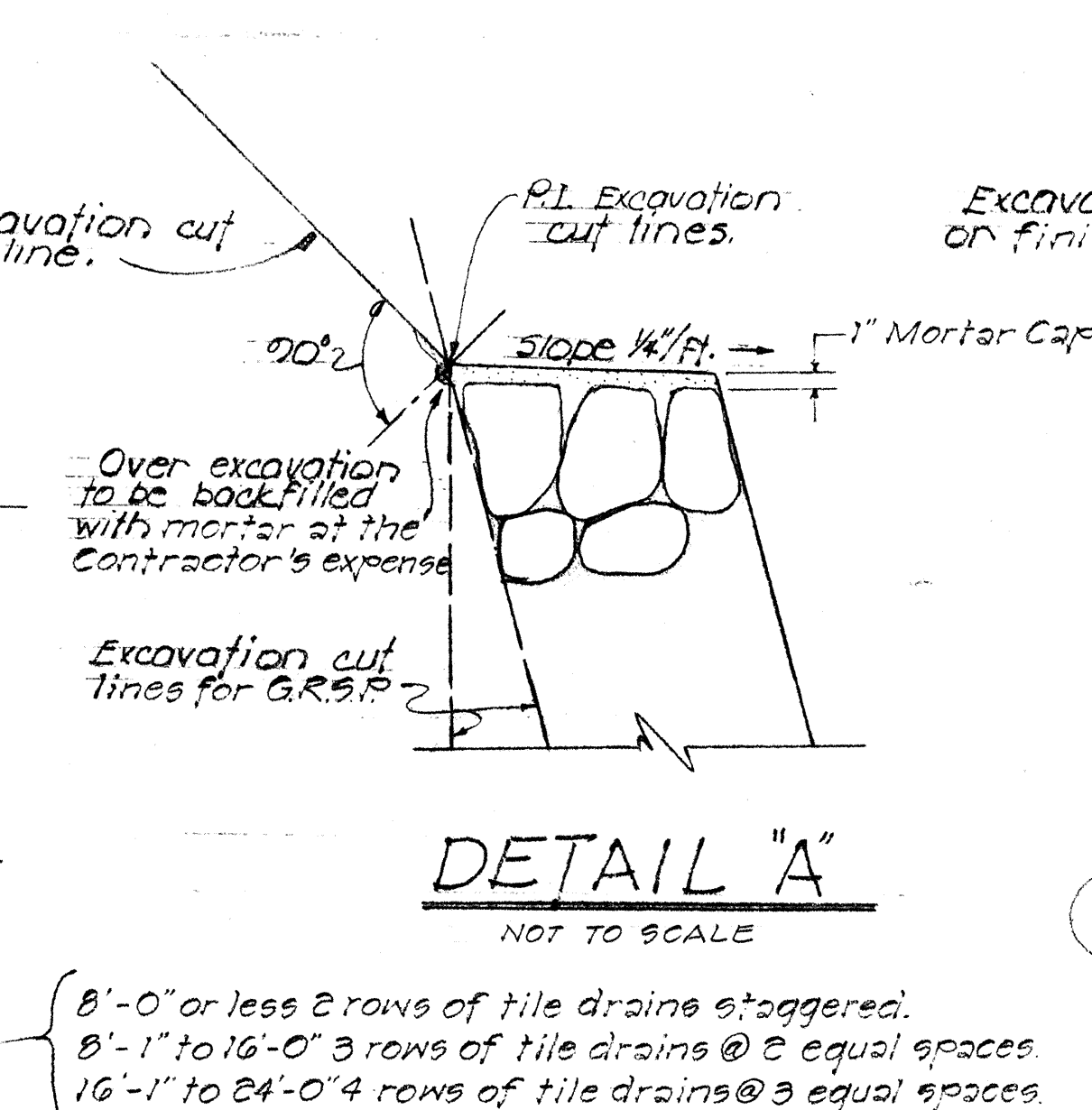
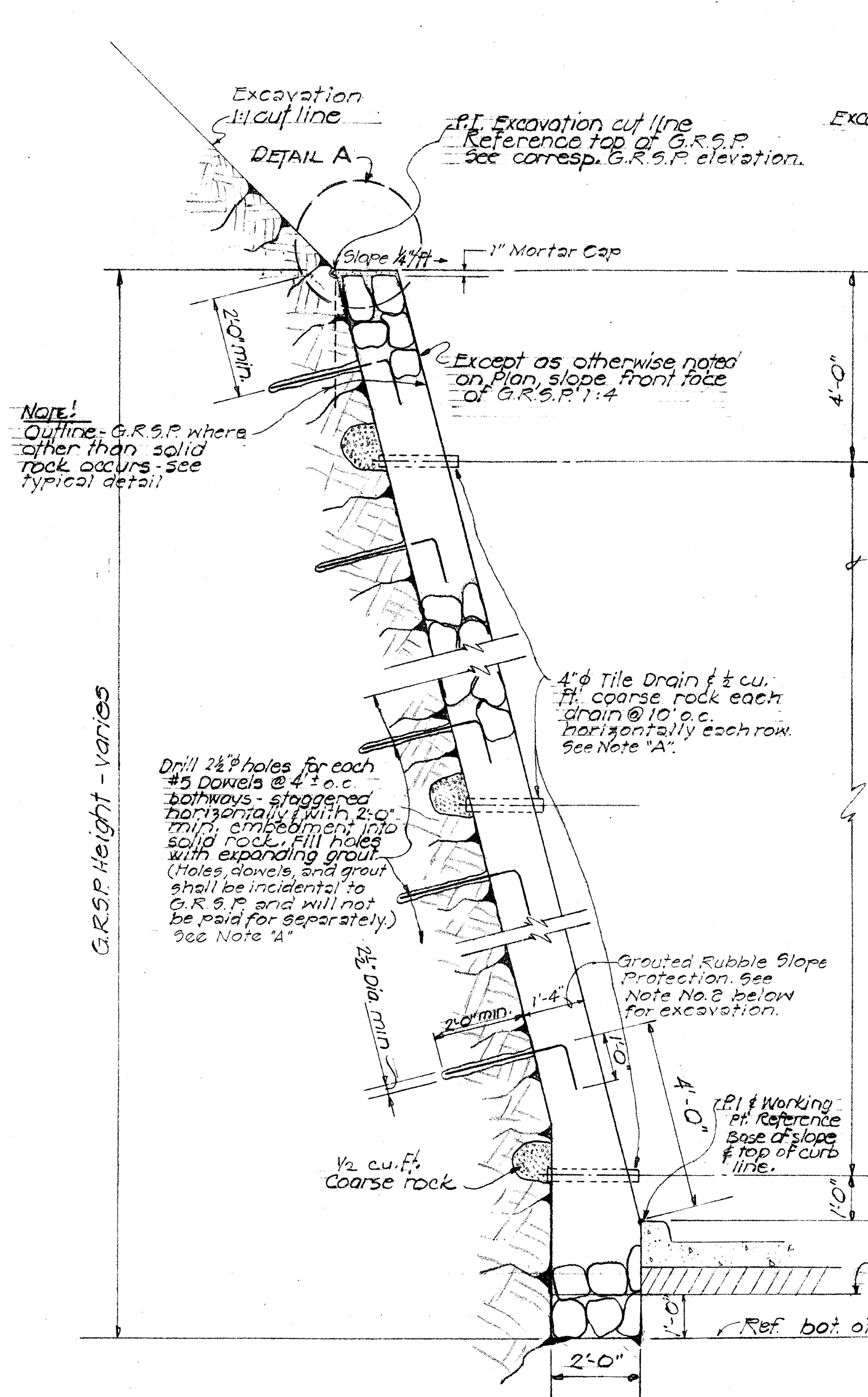
**GRAUTED RUBBLE SLOPE
PROTECTION No. 4**

INTERSTATE HIGHWAY (LUNALILO FWY)
F.A.I. PROJ. NO. I-HI-(6) UNIT I

April 1965

SHEET No. 3 OF 4 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BY	DRAWN BY	
NOTE BOOK	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	



GRSP ESTIMATE SUMMARY	
GRSP NO. 1	= 586 c.y.
GRSP NO. 2	= 932 c.y.
GRSP NO. 3	= 113 c.y.
GRSP NO. 4	= 650 c.y.
TOTAL	2,281 c.y.

GROUTED RUBBLE SLOPE PROTECTION NOTES:

- Any Excavation beyond the specified thickness of G.R.S.P. shall be filled at the Contractor's expense with G.R.S.P. Tile Drains, drainage fill, steel anchor incidental to "Grouted Rubble Slope Protection" and shall not be paid for separately.
- Excavations for G.R.S.P. shall be incidental to "Grouted Rubble Slope Protection" and shall not be paid for separately. All excavation shall be made to neat lines.
- For details of GRSP at Highway Lighting Lamp Poles, see Sheet Nos. 73 and 76.

NOTE "A"

The Engineer reserves the right to relocate the exact location of each dowel or tile drain as required.

NOTE "B"

Where dimension as indicated is greater than 4'-0", The Engineer shall be promptly notified.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL DETAIL
GROUTED RUBBLE SLOPE PROTECTION
AND G.R.S.P. ESTIMATE SUMMARY
INTERSTATE HIGHWAY (LUNALILO F.WY.)
E.A.I. PROJ. NO. I-11-1(6) UNIT 1
SCALE: AS NOTED
APRIL, 1965