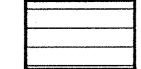
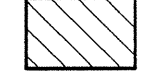
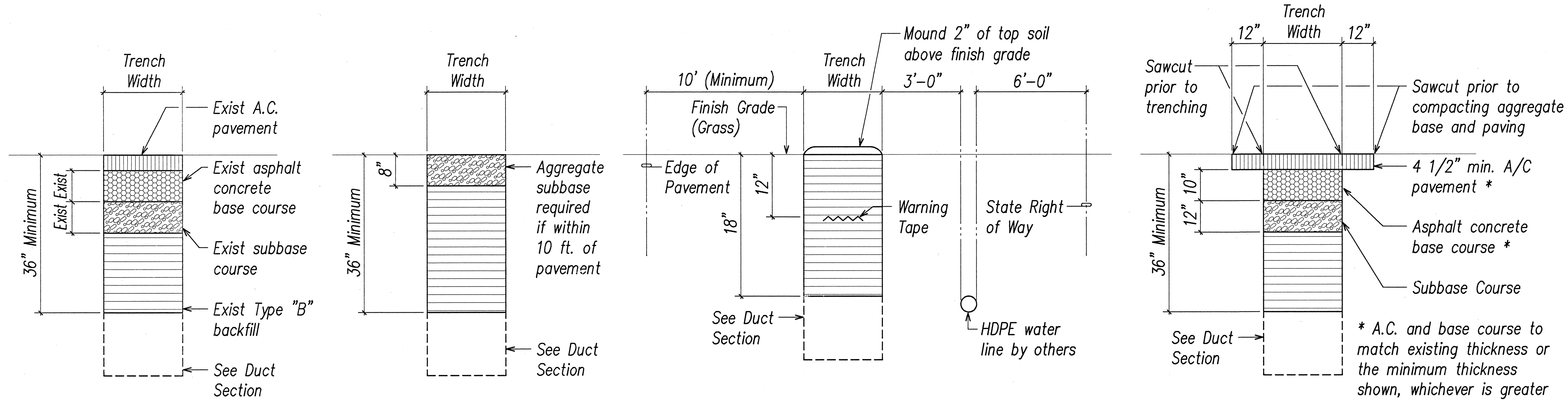


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700 (43)	1998	138	141

**STATE RIGHT-OF-WAY
BACKFILL NOTES**
Not to Scale

-  Trench Backfill Material "B"
1. Sand equivalent ≥ 2
2. 8" max. lift loose
3. 95% compaction
 -  Trench Backfill Material "A"
1. Sand equivalent ≥ 20
2. 8" max. lift loose
3. 95% compaction
 -  If material below duct is not equivalent to Backfill Material "A", excavate material & provide 3" backfill material "A". See above.
 -  Concrete - 3" encasement, 2500 psi compressive strength @ 28 days.
- Note:** Base course & subbase course per 1994 State Standard Specifications for Highway Construction.

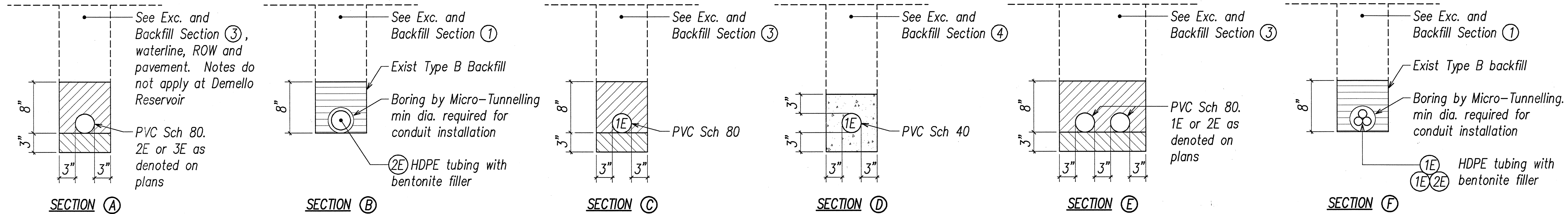


① EXCAVATION AND BACKFILL SECTION
Within State right-of-way under existing roadway And paved shoulder

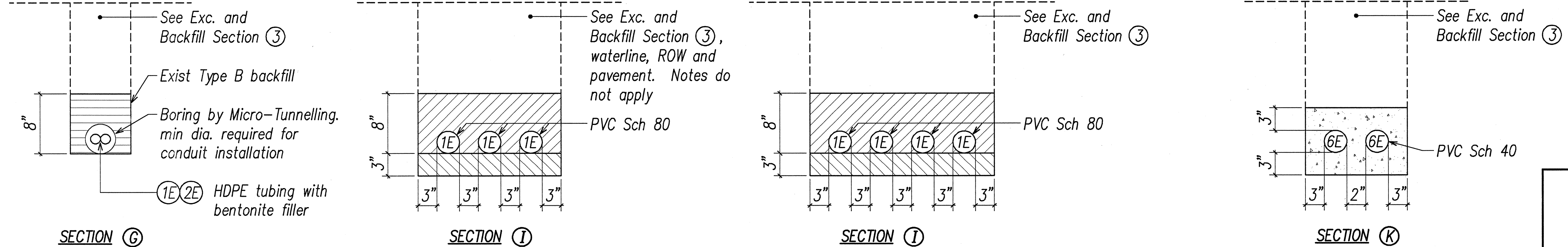
② EXCAVATION AND BACKFILL SECTION
Within State right-of-way under unpaved shoulder

③ EXCAVATION AND BACKFILL SECTION
Within State right-of-way under unpaved shoulder

④ EXCAVATION AND BACKFILL SECTION
Within State right-of-way under existing roadway/driveway and paved shoulder



SECTION A **SECTION B** **SECTION C** **SECTION D** **SECTION E** **SECTION F**



SECTION G **SECTION H** **SECTION I** **SECTION J** **SECTION K**

Similar except 1E used
In-lieu of 2E

APPROVED BY:
Debra A. Santing 2-18-99
KAUAI ELECTRIC DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DUCT SECTIONS

**LIHUE GATEWAY LANDSCAPE
BEAUTIFICATION PROJECT**

Scale: AS NOTED Date: OCTOBER 1998

SHEET No. E-27 OF 30 SHEETS

KEN OUCHI
LICENSED PROFESSIONAL ENGINEER
No. 2862-E
HAWAII, U.S.A.

K. Ouchi
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
NO.	

LAST SAVE: 10/12/98 @ 09:30:34 BY: CV PLOT: 10/12/98
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