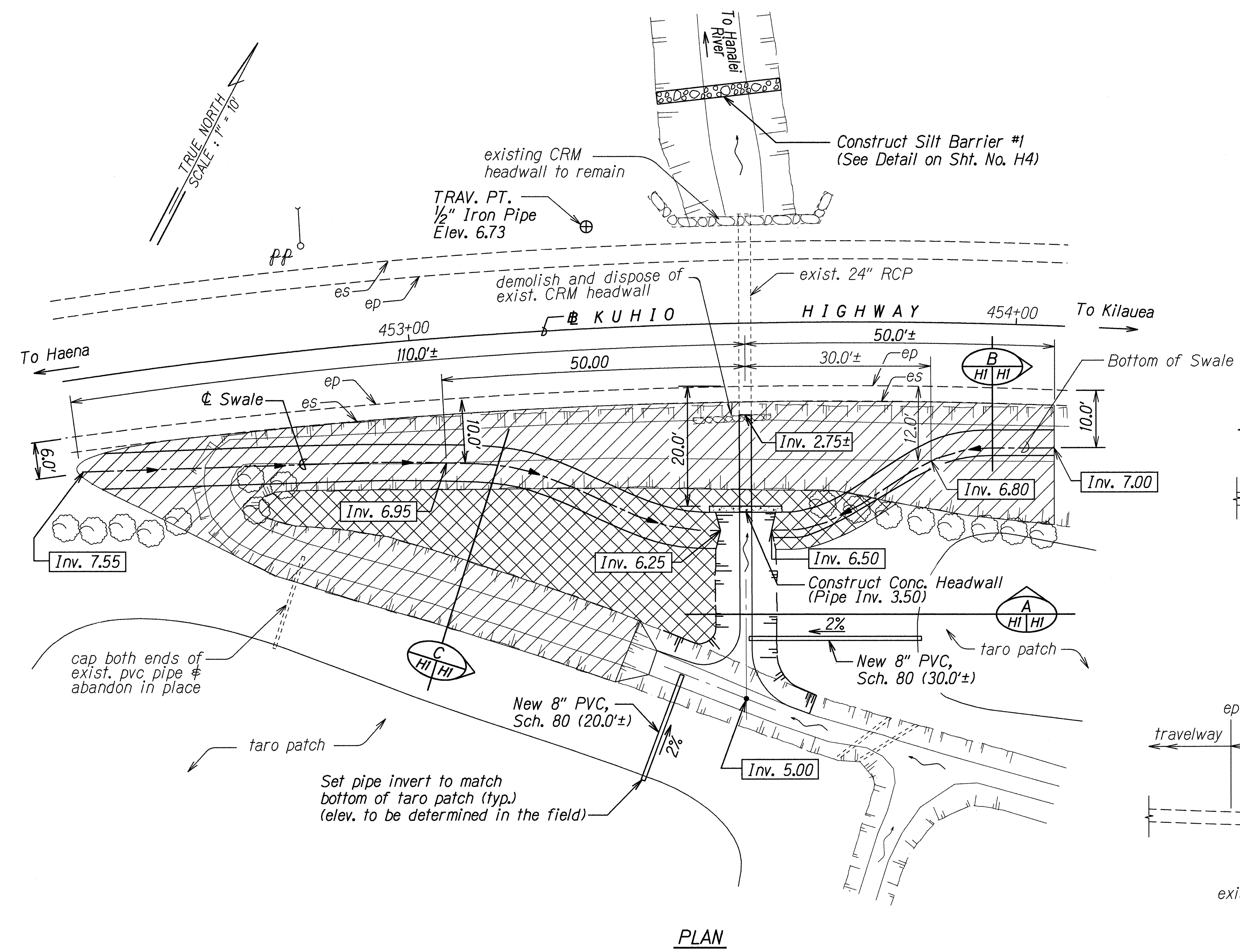
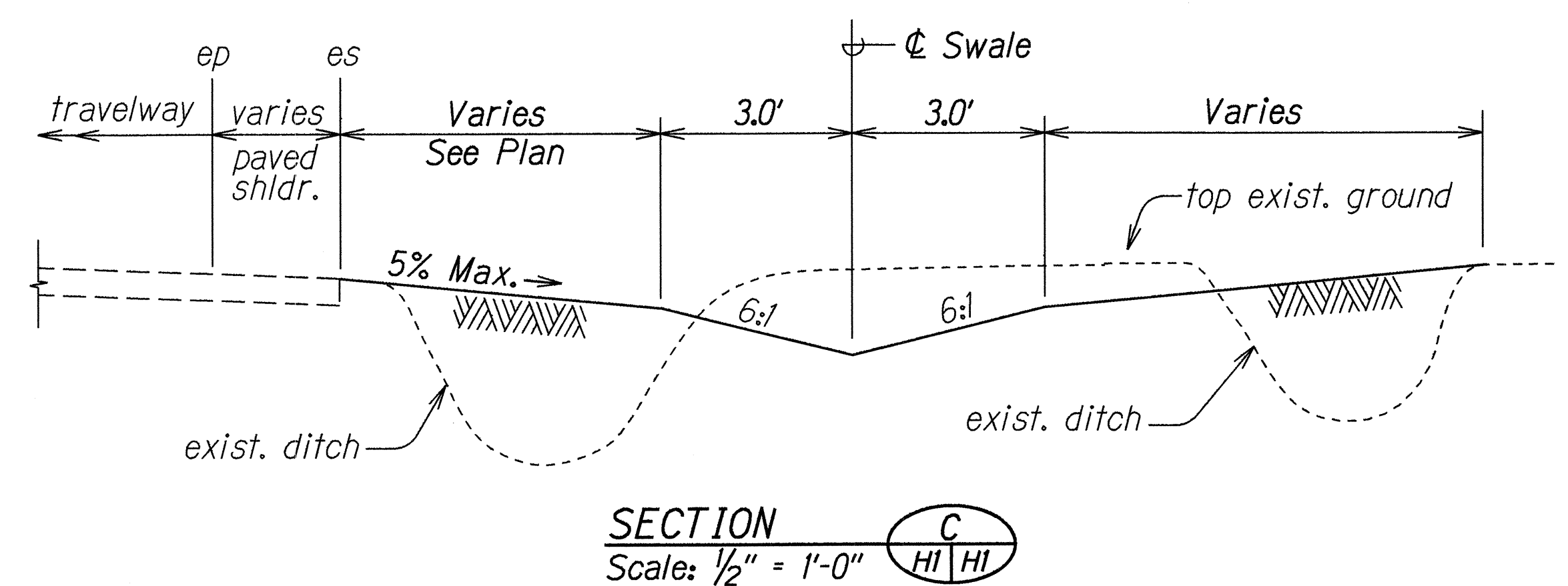
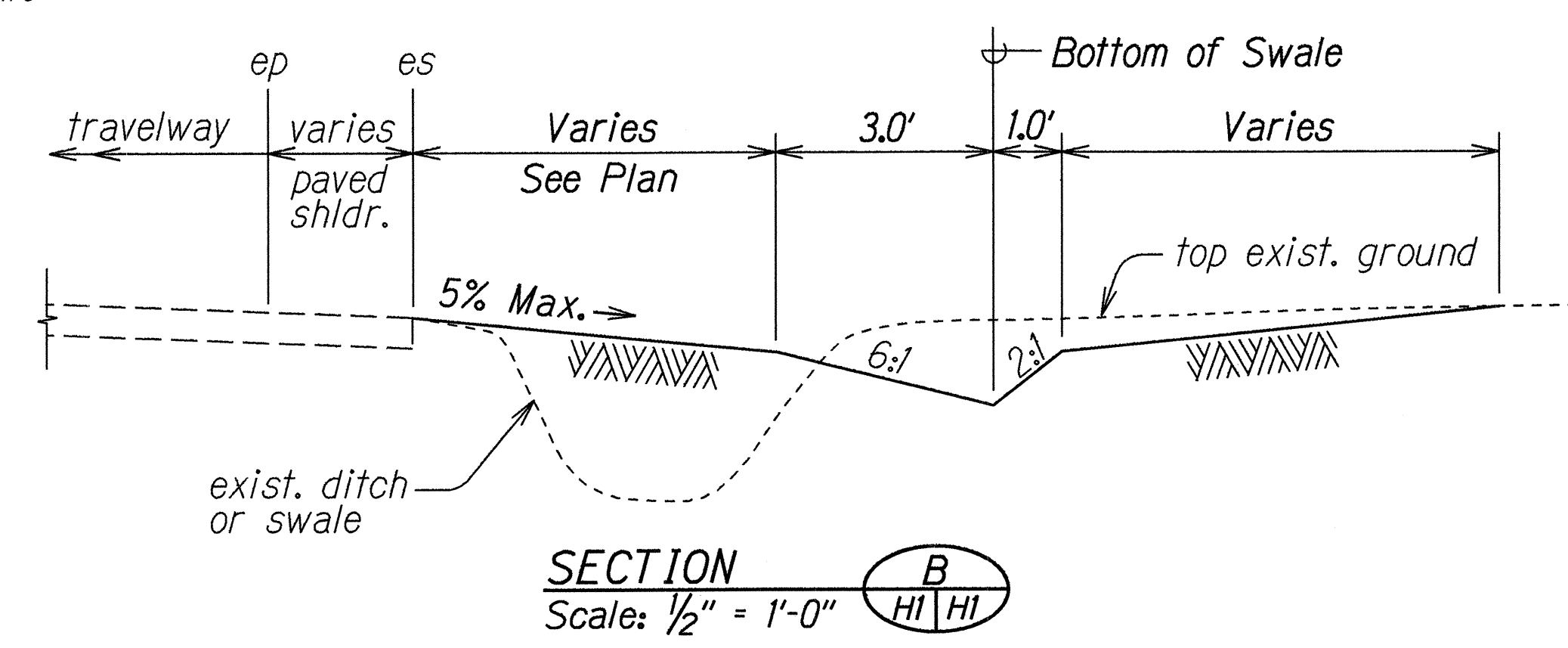
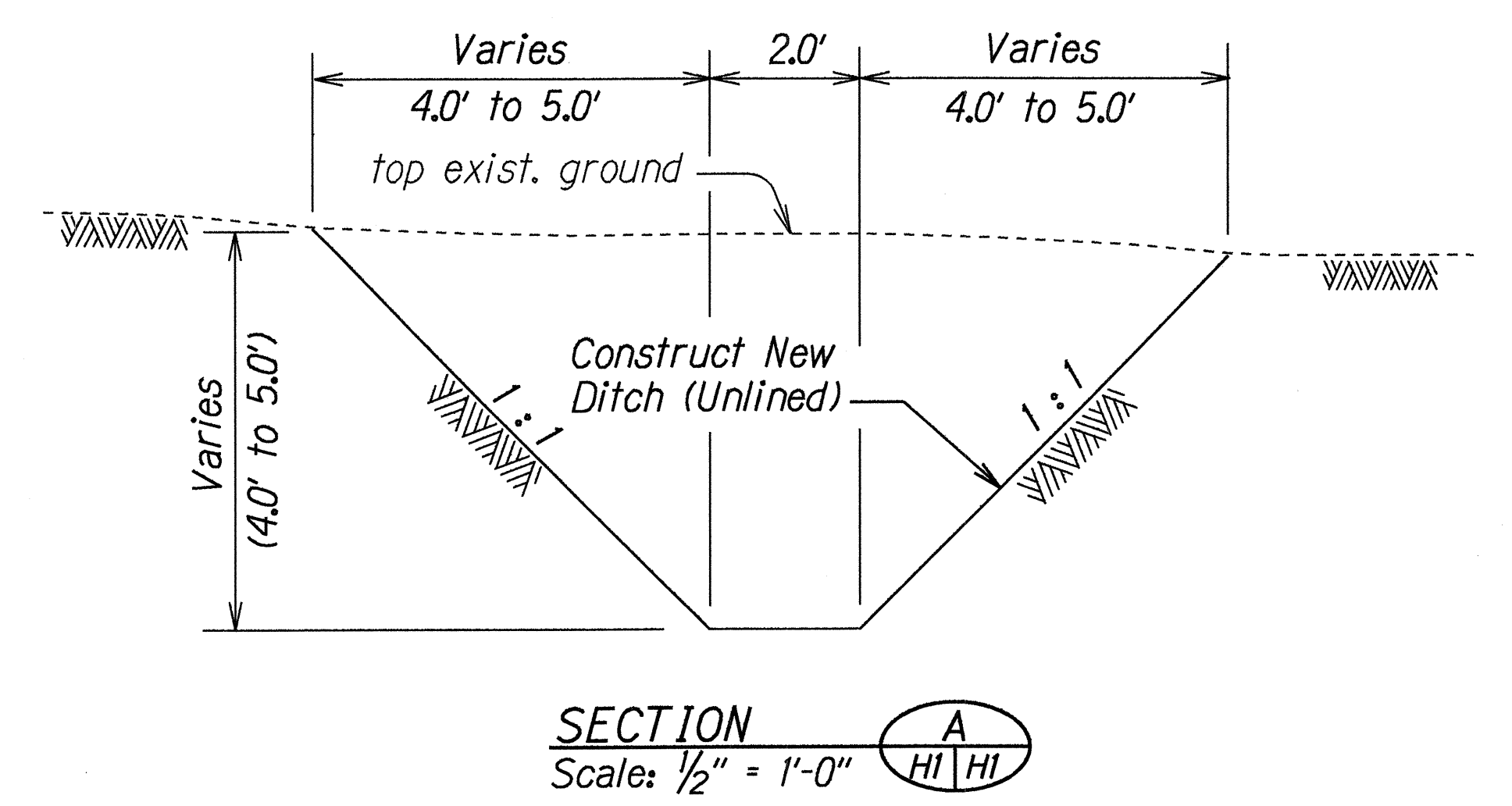


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-02-98	1999	5	8



CONCRETE HEADWALL AT STA. 453+55
Scale: 1" = 10'

- NOTES:
1. Site Grading & Backfilling Area = 3,850± Sq. Ft.
 2. The Maintenance Section of the State Highways, Kauai District will be installing new metal guardrails, terminal ends and object markers or reflector markers at Sta. 453+55, Lt.



BENCH MARK: "+" on top of concrete parapet of box culvert at Sta. 450+20± Elev. = 12.31

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN

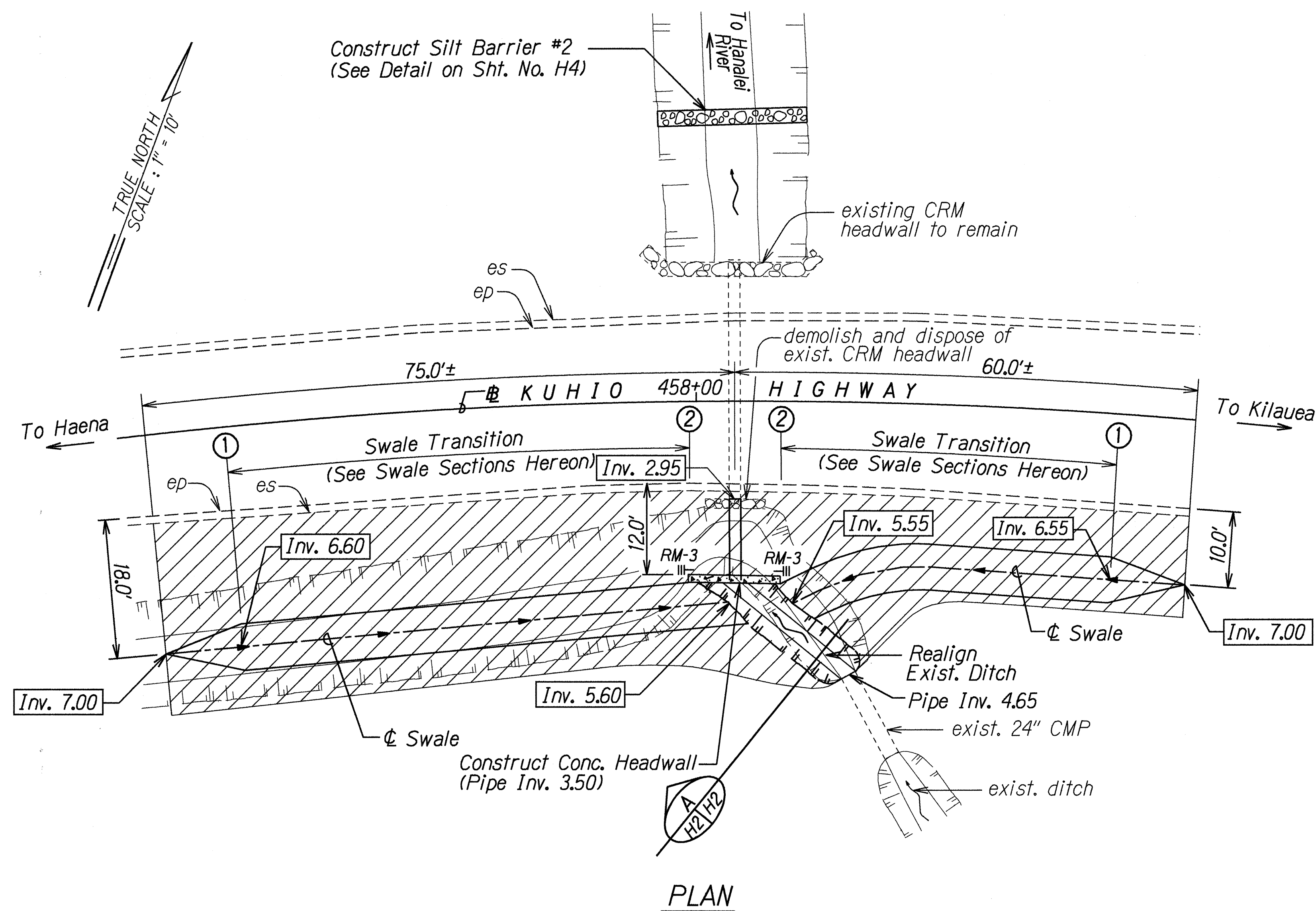
KUHIO HIGHWAY DRAINAGE IMPROVEMENTS
Hanalei Bridge Through Hanalei Town
Project No. 560A-02-98

Scale: As Shown Date: July, 1998

SHEET No. **HI** OF 4 SHEETS

ORIGINAL PLAN	DATE	1998
SURVEY PLOTTED BY		
DRAWN BY		
CHECKED BY		
NOTES		
QUANTITIES BY		
CHECKED BY		

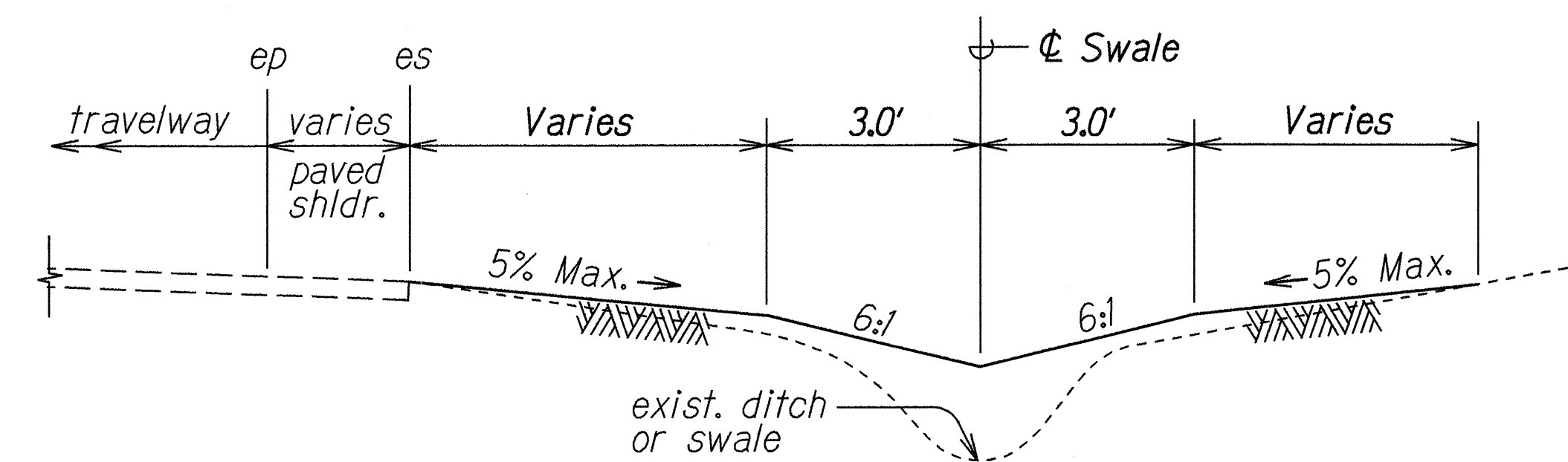
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-02-98	1999	6	8



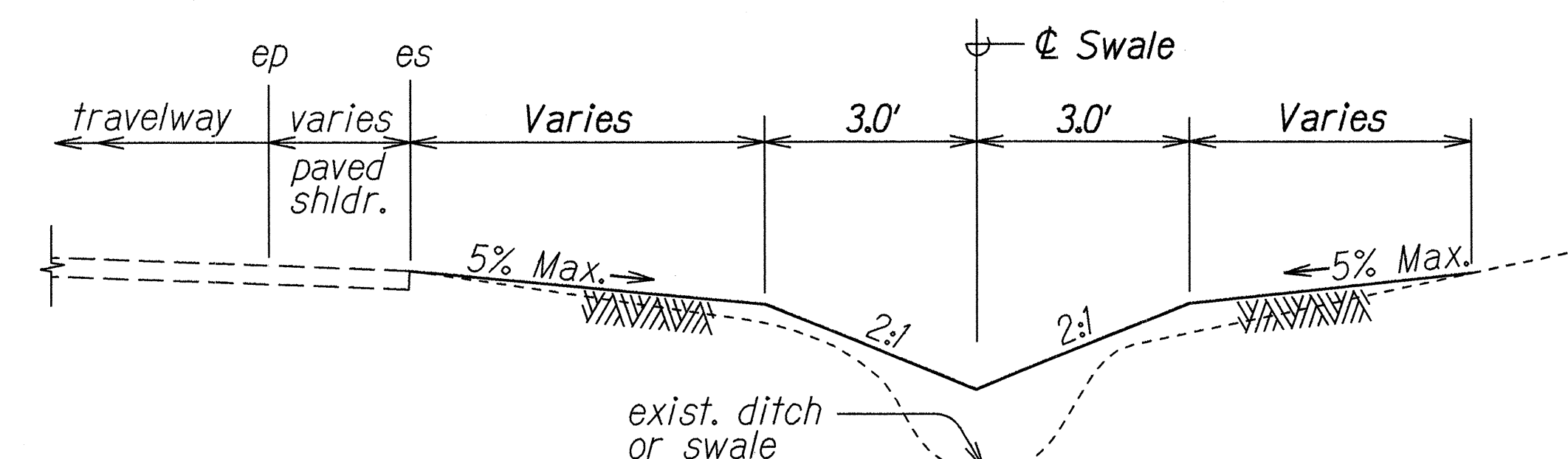
CONCRETE HEADWALL AT # STA. 458+05
Scale: 1" = 10'

NOTES:

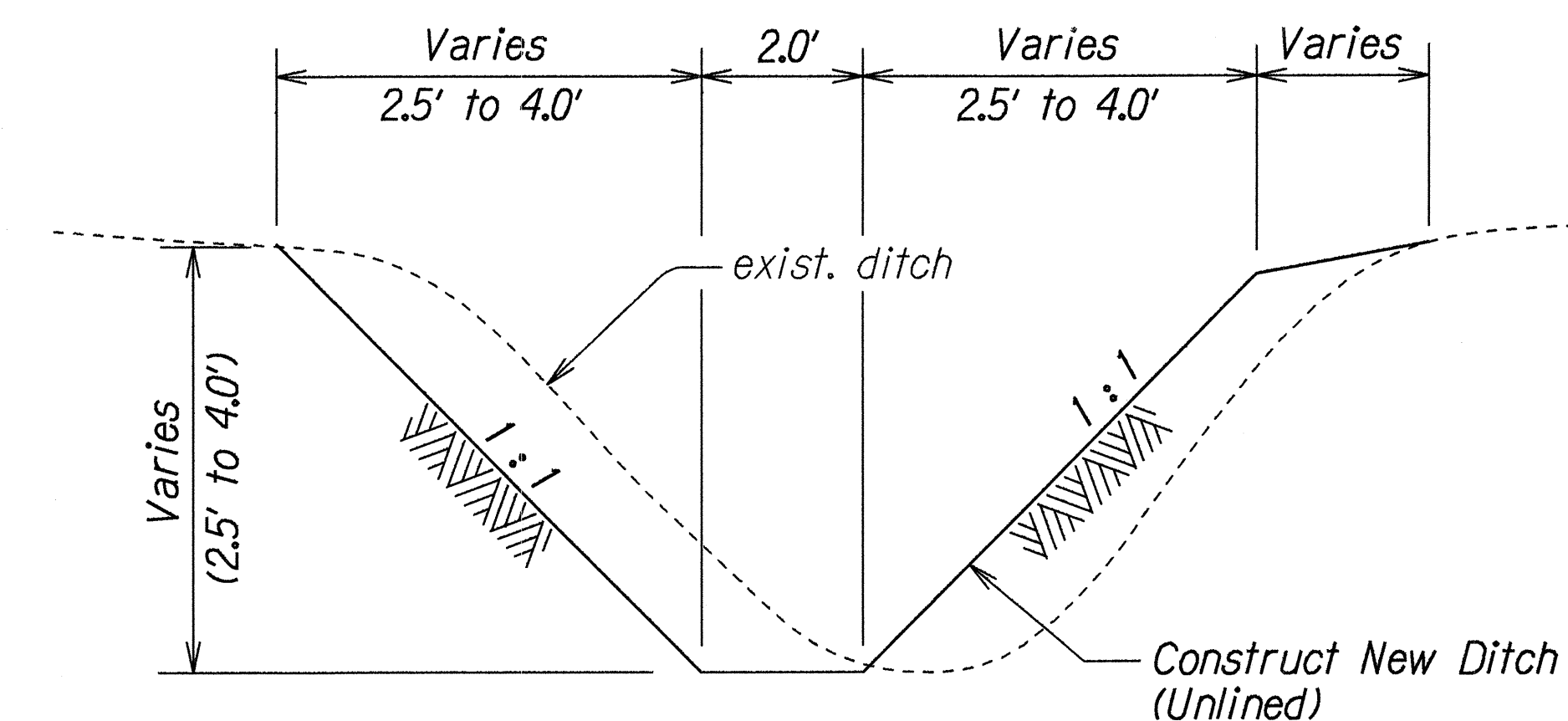
1. Backfill Area = 2,400± Sq. Ft.
2. The Maintenance Section of the State Highways, Kauai District will be installing new metal guardrails, terminal ends and object markers or reflector markers at # Sta. 458+05, Lt.
3. Install Reflector Marker (RM-3) at new headwall location, as shown on the plan. This work shall not be paid for separately but shall be considered incidental to Contract Item No. 503.0021 - Class A Concrete for Headwall. The metal post for the reflector marker shall be 1/2 pounds per foot flanged channel post or one and a half inch, 12 or 14 gauge square tube post.
4. Install Reflector Marker (RM-3) at construction signs. This work shall not be paid for separately but shall be considered incidental to Contract Item No. 621.7110 - Construction Sign with Two Posts.
5. Existing ditches and swales shall be backfilled and compacted prior to excavating or constructing a new ditch or swale.



SWALE SECTION NO. 1
Scale: 1/2" = 1'-0"



SWALE SECTION NO. 2
Scale: 1/2" = 1'-0"



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

BENCH MARK: "+" on top of concrete parapet of box culvert at # Sta. 450+20± Elev. = 12.31

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN
KUHIO HIGHWAY DRAINAGE IMPROVEMENTS
Hanalei Bridge Through Hanalei Town
Project No. 560A-02-98
Scale: As Shown Date: July, 1998
SHEET No. H2 OF 4 SHEETS

ORIGINAL PLAN	DATE	1998
SURVEY PLOTTED BY	DATE	1998
DRAWN BY	DATE	1998
DESIGNED BY	DATE	1998
CHECKED BY	DATE	1998