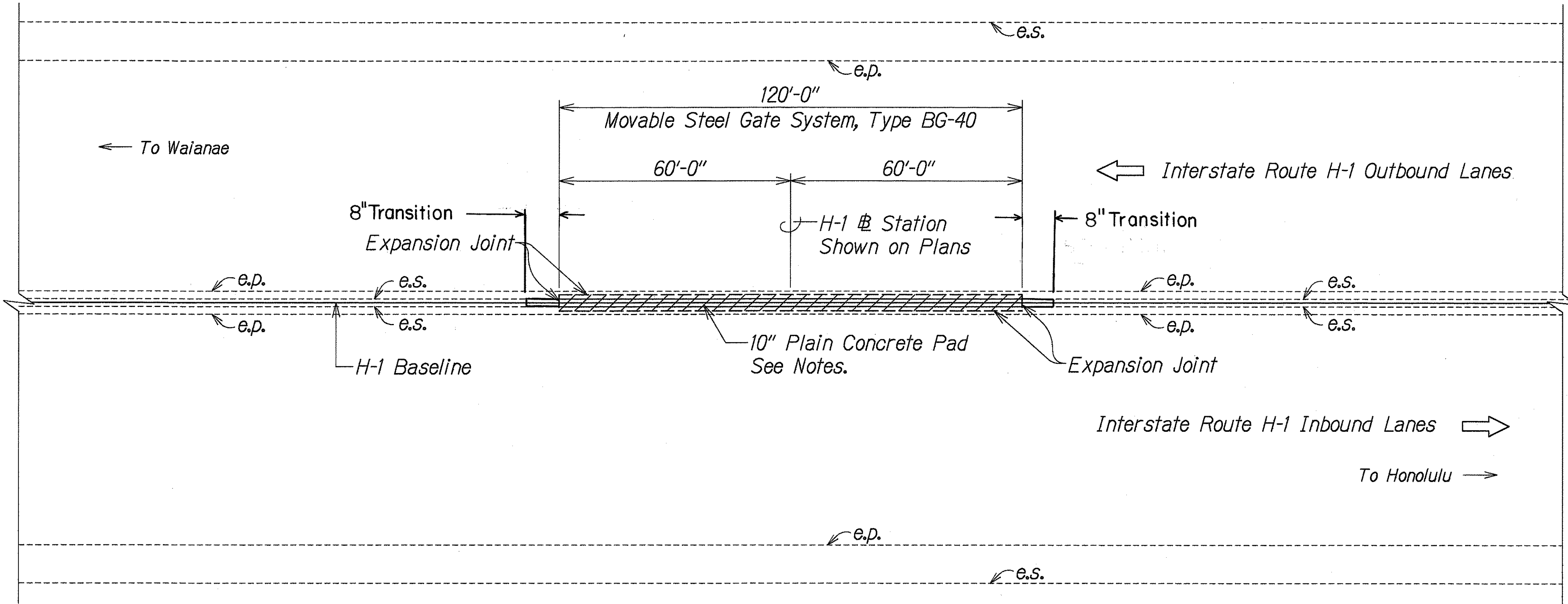


| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HIEFG-01-96 | 1998        | 178       | 344          |



**TYPICAL MOVABLE STEEL GATE PLAN**  
Scale: 1" = 20'

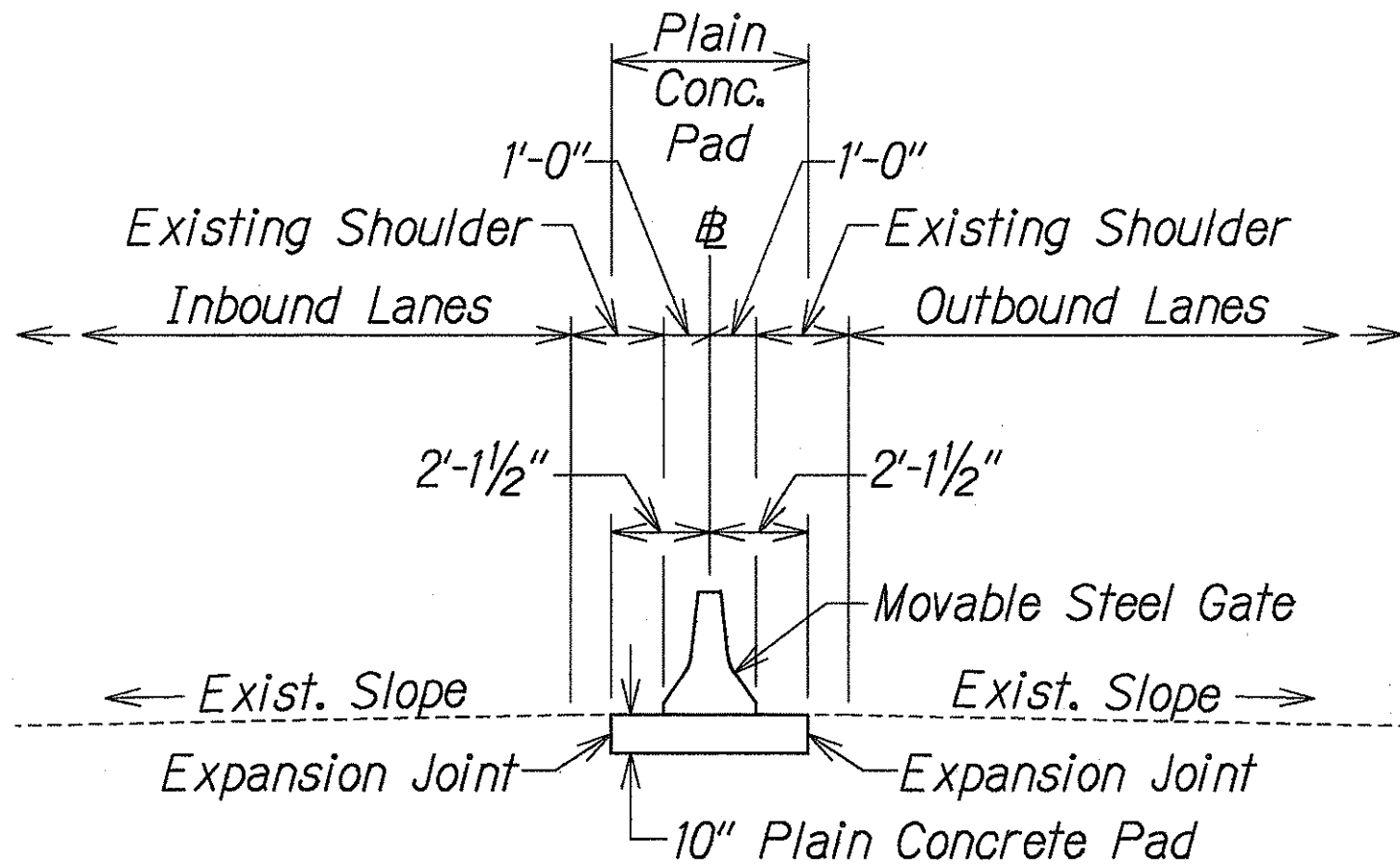
**LEGEND:**

10" Plain Concrete Pad

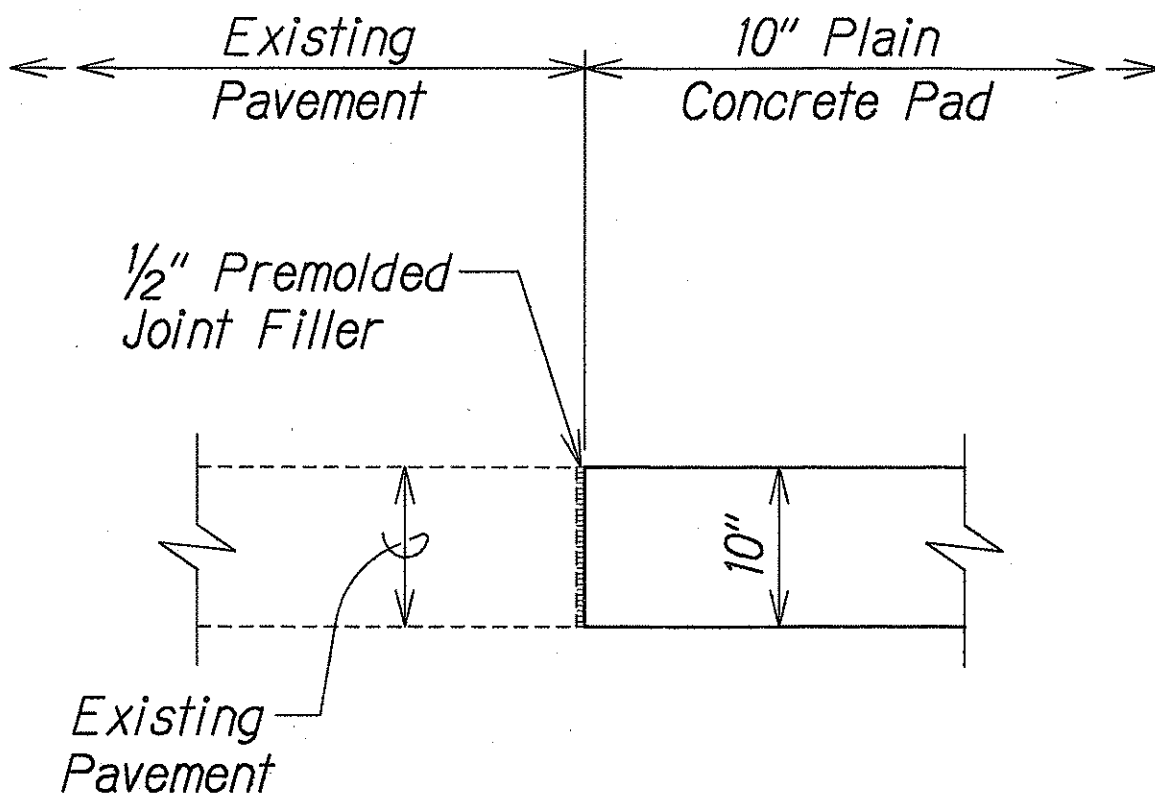
**NOTES:**

- Concrete for the 10" Plain Concrete Pad shall be 4000 psi minimum strength Portland Cement Concrete with graded aggregate and 3" maximum slump.
- Sawed contraction joints for the 10" Plain Concrete Pad shall be spaced 15' apart and extend into the slab to a depth of 2½". Contractor shall saw cut the joints within 12 hours after the completion of concrete placement. Fill contraction joints with poured-type joint sealer, Specifications Section 705.04(A).
- The Engineer will not pay for the 10" Plain Concrete Pad nor sawed contraction joints separately and will consider payment incidental to the Movable Steel Gate System.
- Payment for Expansion Joint shall be considered incidental to Movable Steel Gate System.

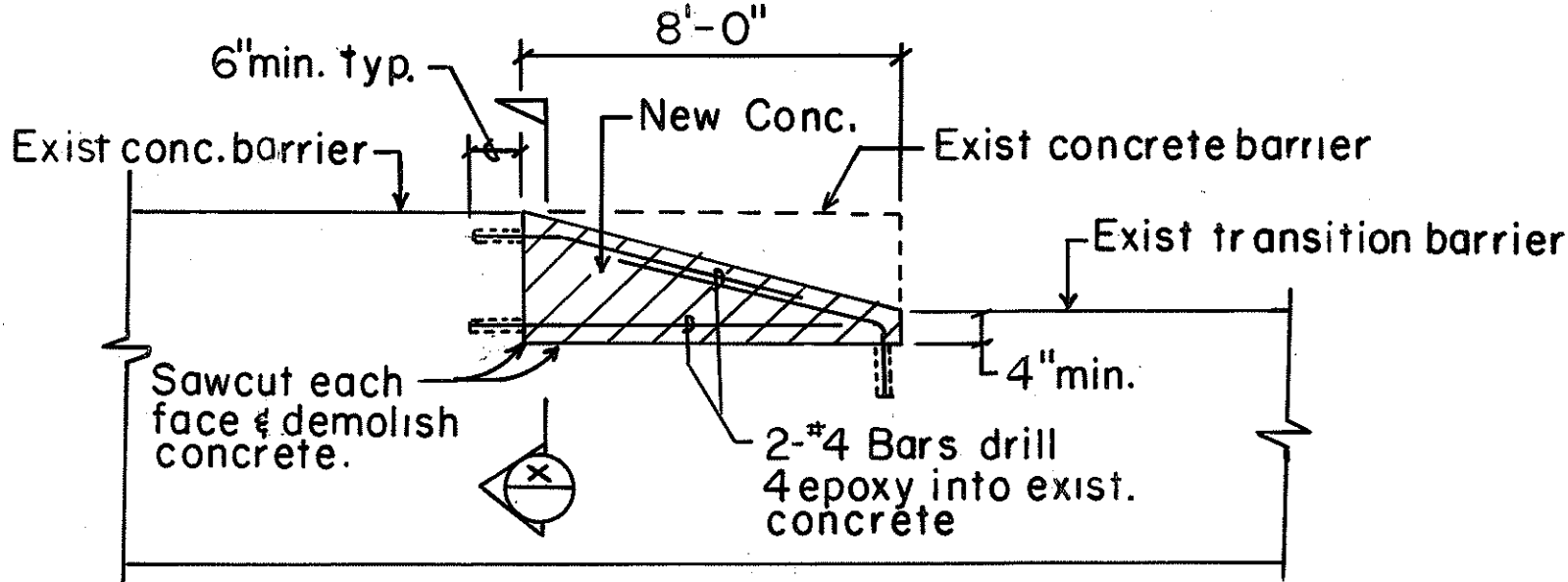
| TABLE OF MOVABLE STEEL GATES |                              |              |         |
|------------------------------|------------------------------|--------------|---------|
| Gate No.                     | Location                     | Total Length | Opening |
| 1                            | H-1 # Sta. 529+60            | 120'-0"      | 40'-0"  |
| 2                            | H-1 # Sta. <del>109+40</del> | 120'-0"      | 40'-0"  |
| 3                            | H-1 # Sta. <del>201+00</del> | 120'-0"      | 40'-0"  |



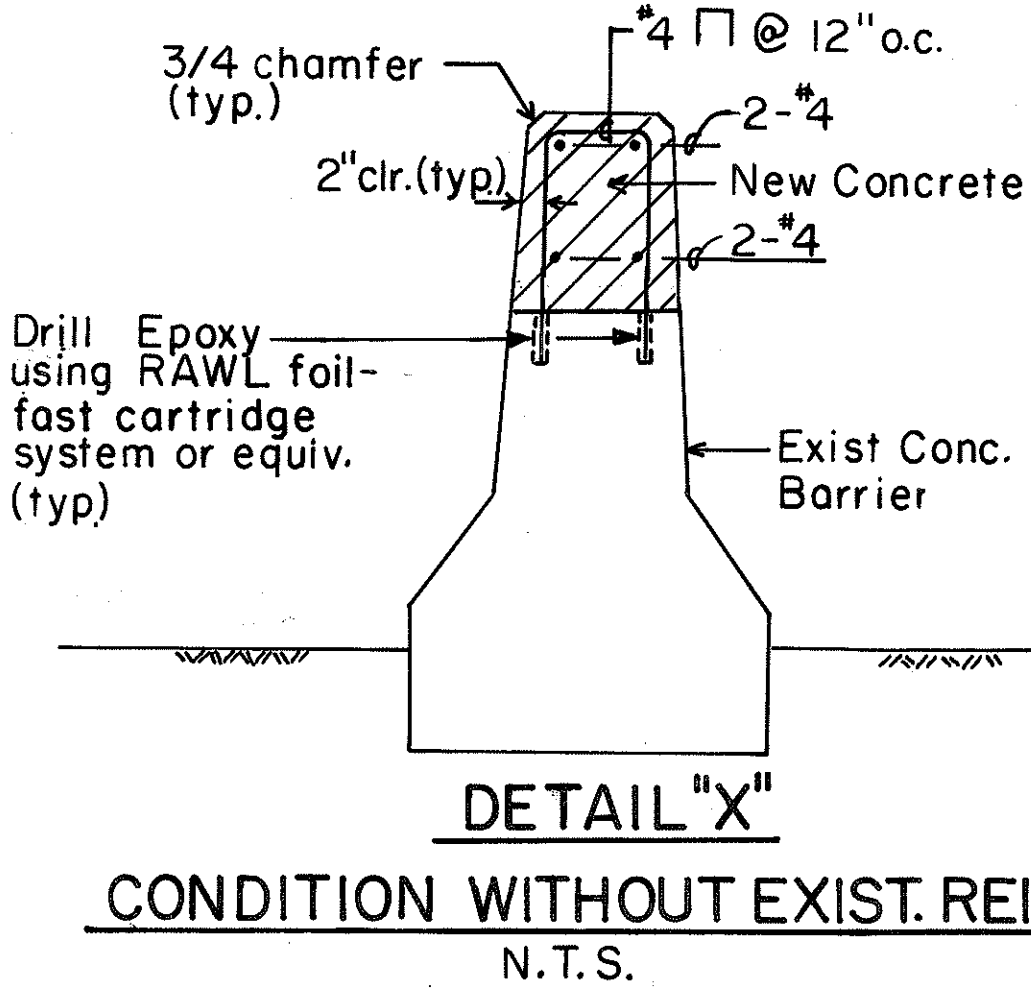
**TYPICAL SECTION-INBOUND AND OUTBOUND LANES**  
Scale: ¼" = 1'-0"



**EXPANSION JOINT**  
Scale: 1" = 1'-0"



**ELEVATION**



**DETAIL "X"**  
CONDITION WITHOUT EXIST. REINF.  
N.T.S.



THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION  
*Derrick C. Elfalm*  
P.E., Inc.  
dco PARK ENGINEERS

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL MOVABLE STEEL GATE PLAN**

INTERSTATE ROUTE H-1  
CONTRAFLOW AND SHOULDER LANE  
Waiawa Interchange to Keolu Interchange  
PROJECT NO. HIEFG-01-96

Scale: As Shown Date: October, 1997

SHEET No. DT2 OF 8 SHEETS

|                   |      |
|-------------------|------|
| SURVEY PLATTED BY | DATE |
| DRAWN BY          |      |
| TRACED BY         |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| ORIGINAL PLAN     |      |
| NOTE BOOK         |      |
| No.               |      |