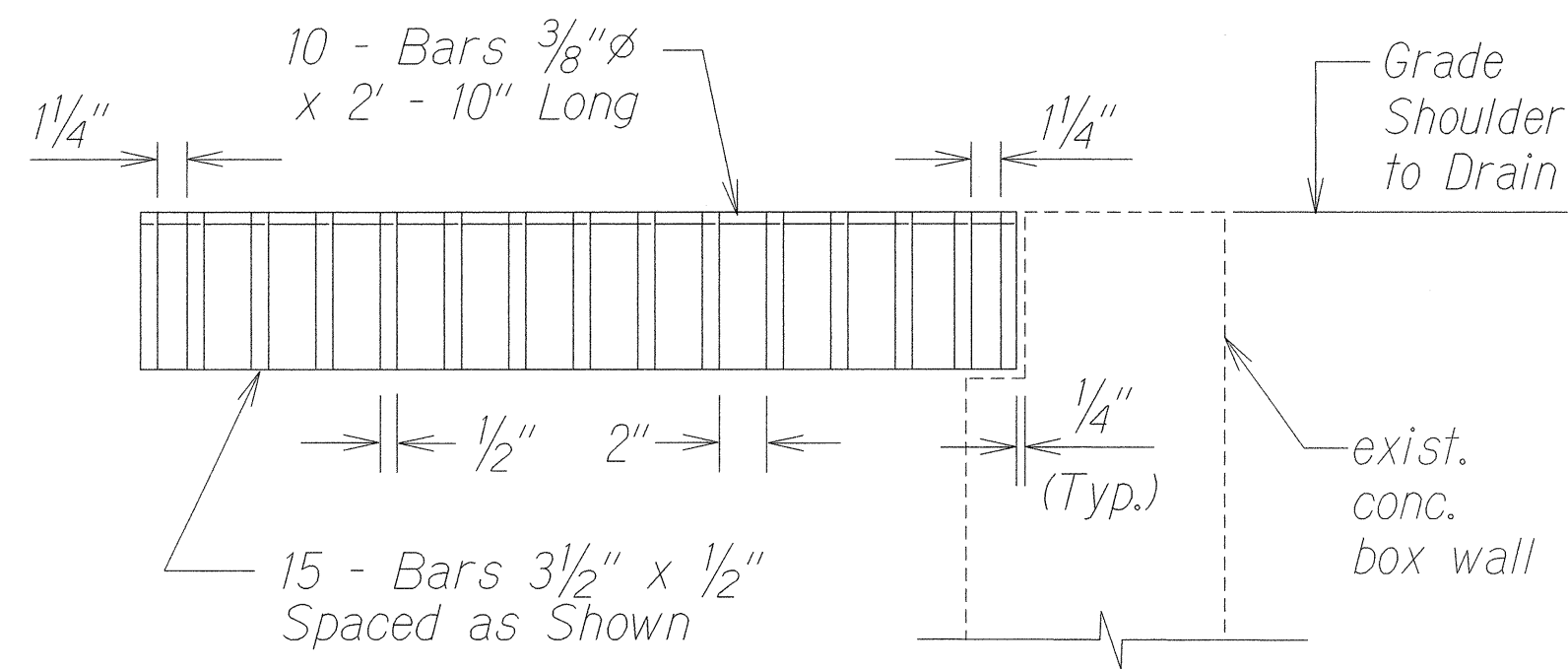


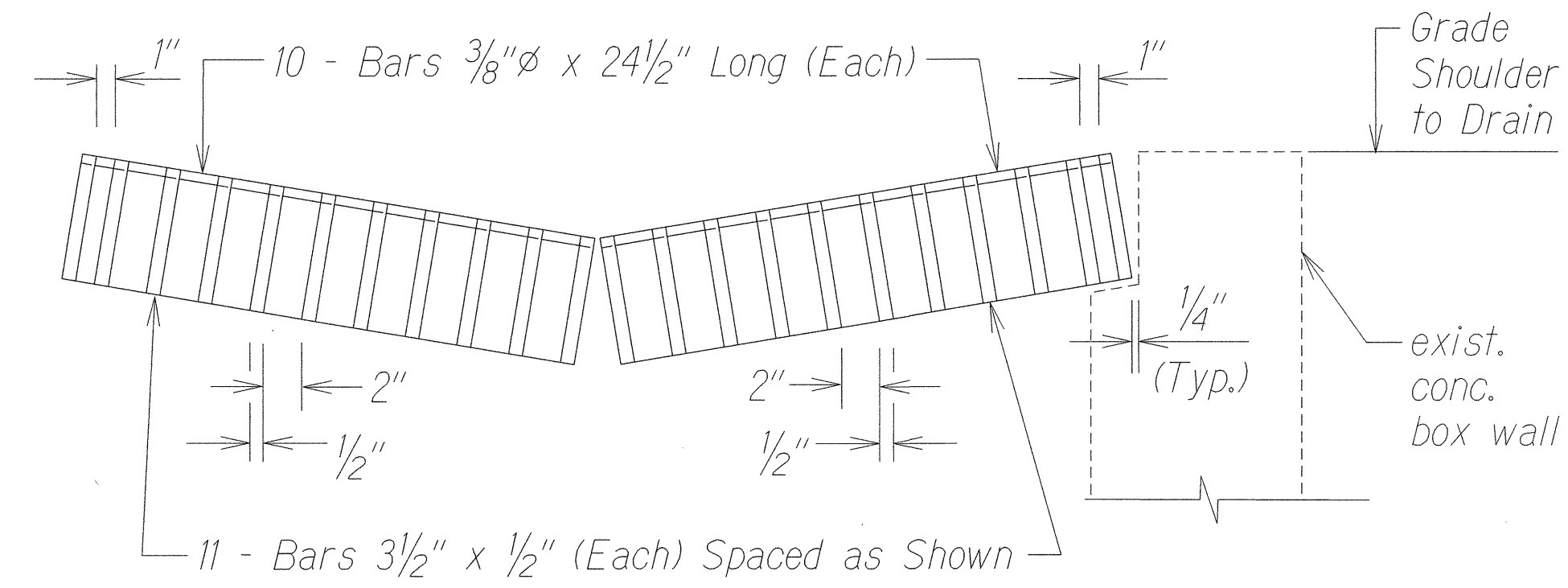
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50D-01-00M	2001	8	23

NOTES:

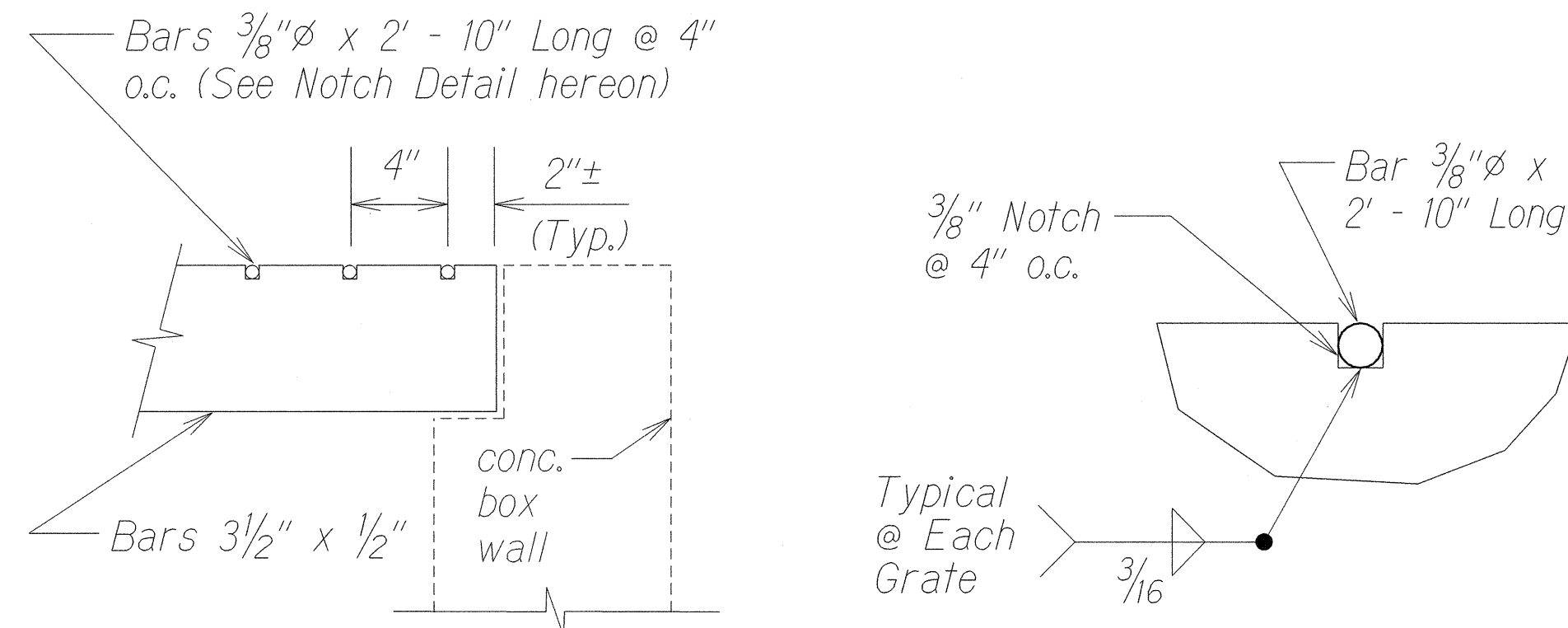
1. Location of existing grated drop inlets:  
Sta. 181+93± o/s Rt., Sta. 217+20± o/s Lt., Sta. 235+25± o/s Lt.
- \* 2. The Contractor shall verify in the field the exact dimensions of the grates to be replaced. Frames (not shown) are to remain unless otherwise directed by the Engineer. Length of steel bars may change depending on existing frame dimensions. Spacing of bars shall remain as shown.
3. All steel items shall be hot-dip galvanized after fabrication.
4. Apply two layers of zinc coating to all welded areas after fabrication.
5. Removing and disposing of existing steel frames, grates and concrete boxes or any portion(s) thereof, and furnishing and installing new steel frames, grates, concrete and reinforcing steel shall be considered incidental to Contract Item No. 604.1000 - Replace Grate for Grated Drop Inlet.



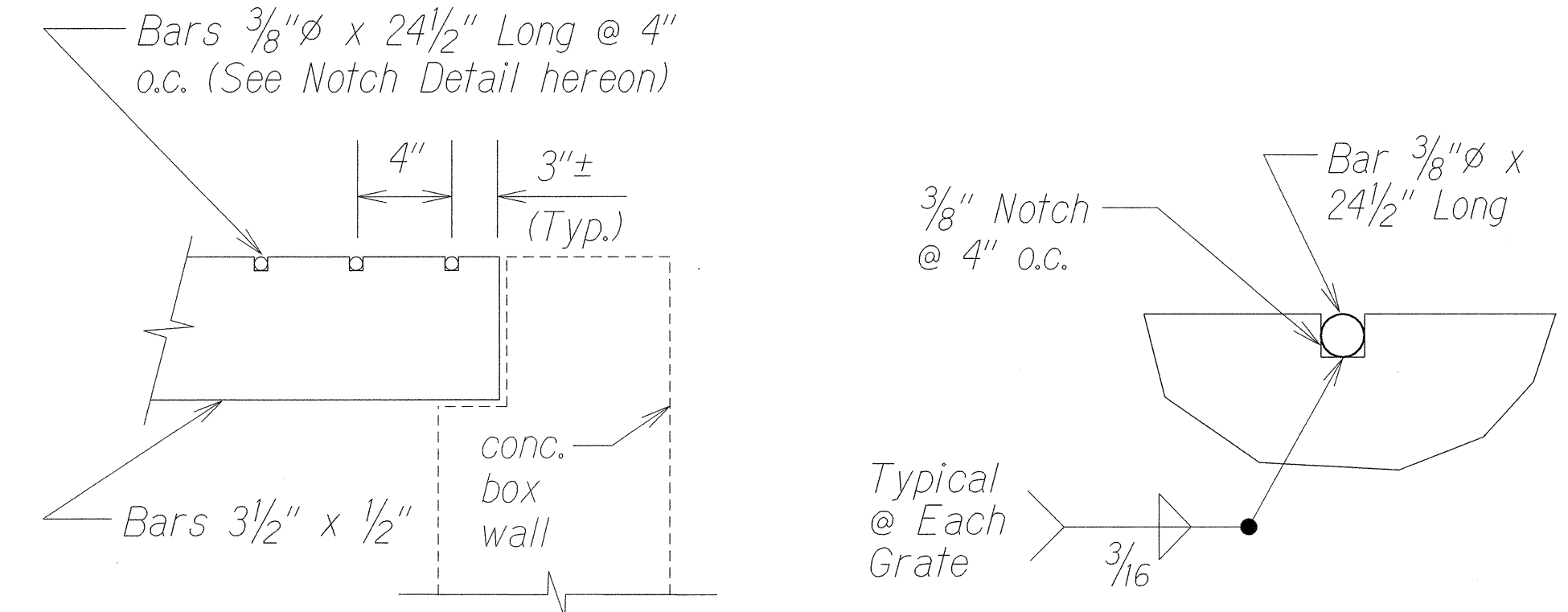
SECTION B  
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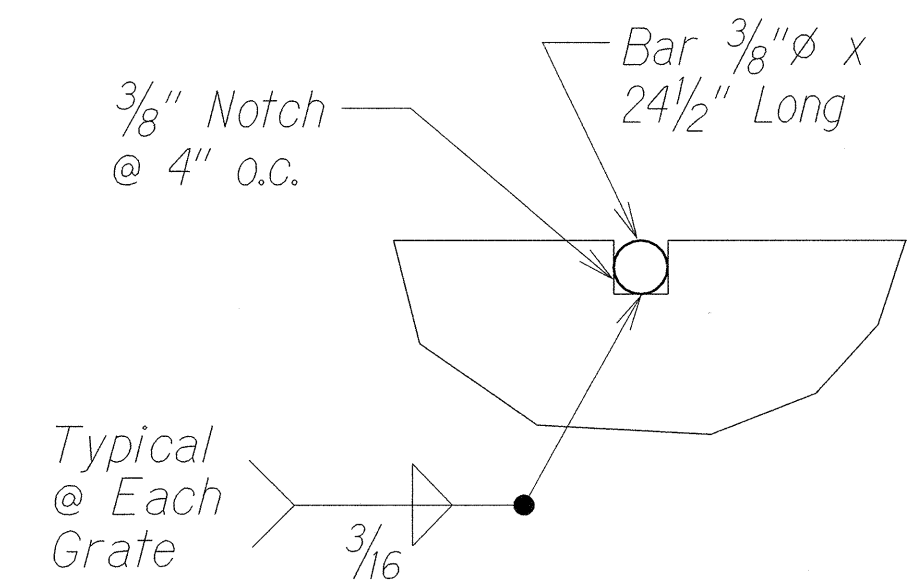
SECTION D  
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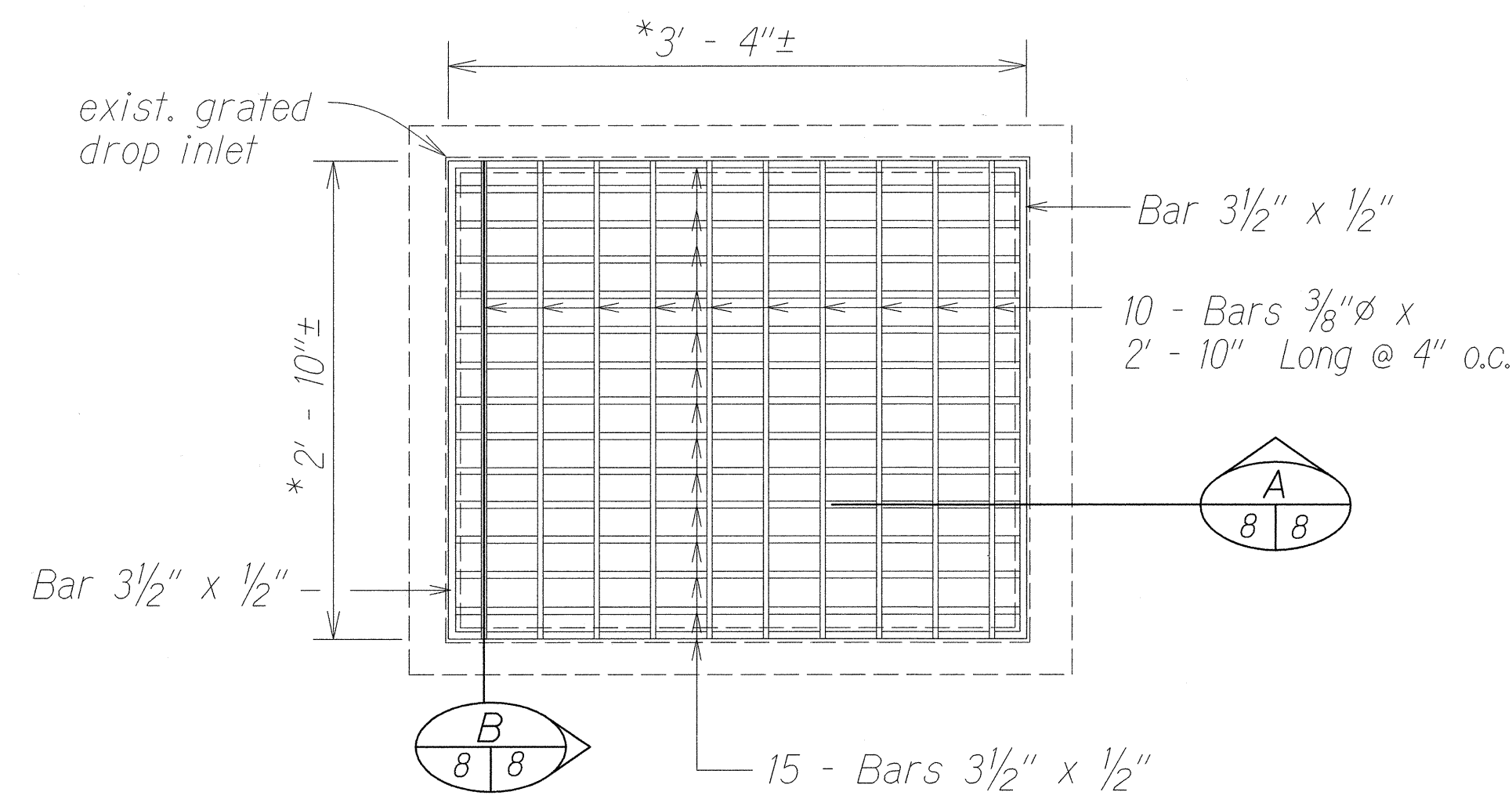
SECTION A  
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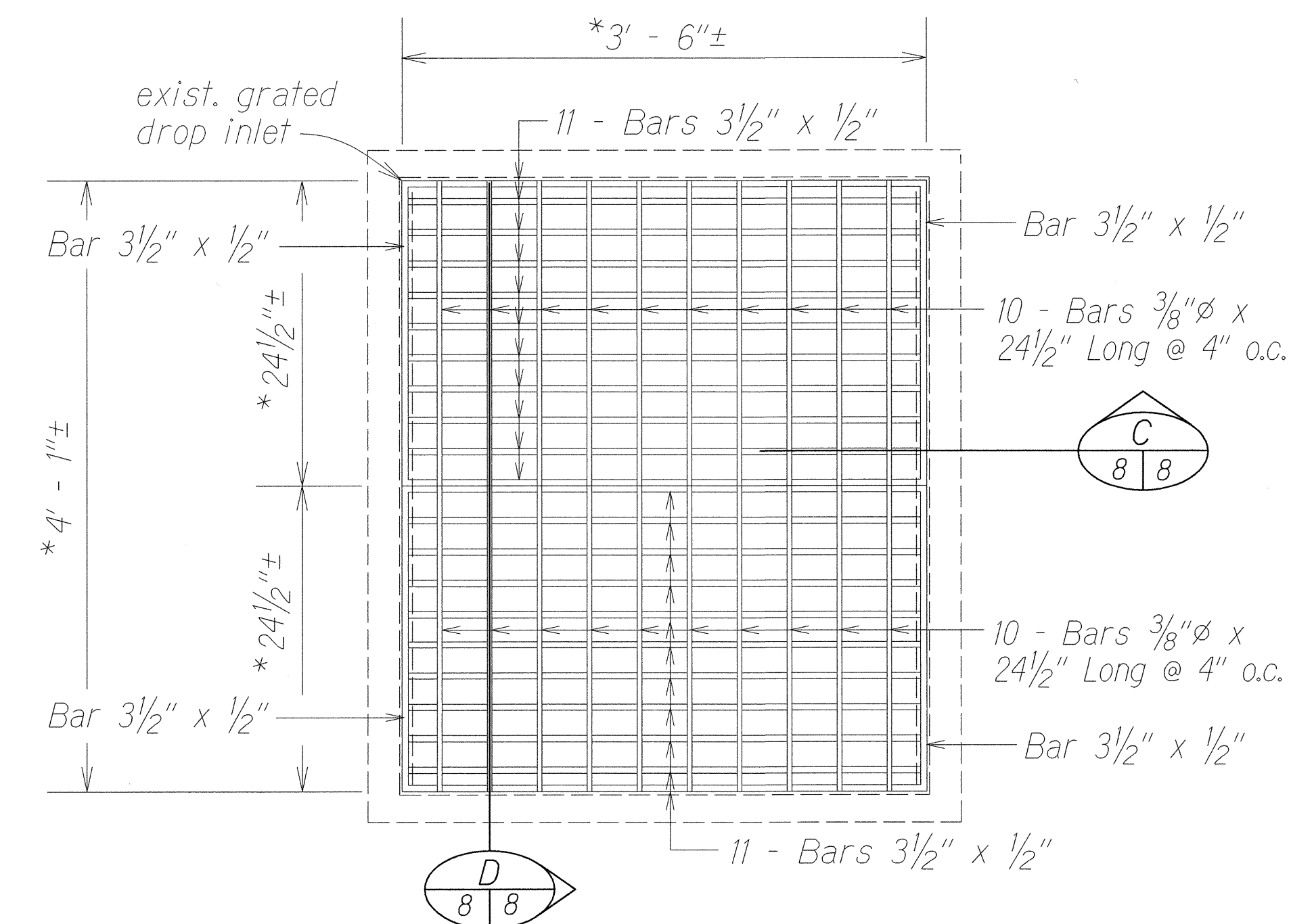
SECTION C  
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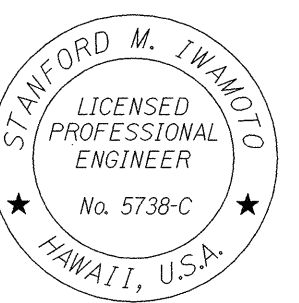
NOTCH DETAIL  
Not to Scale



PLAN - TYPE A-9P MODIFIED STEEL GRATE  
Not to Scale



PLAN - TYPE 61614P MODIFIED STEEL GRATE  
Not to Scale



THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION

Signature

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

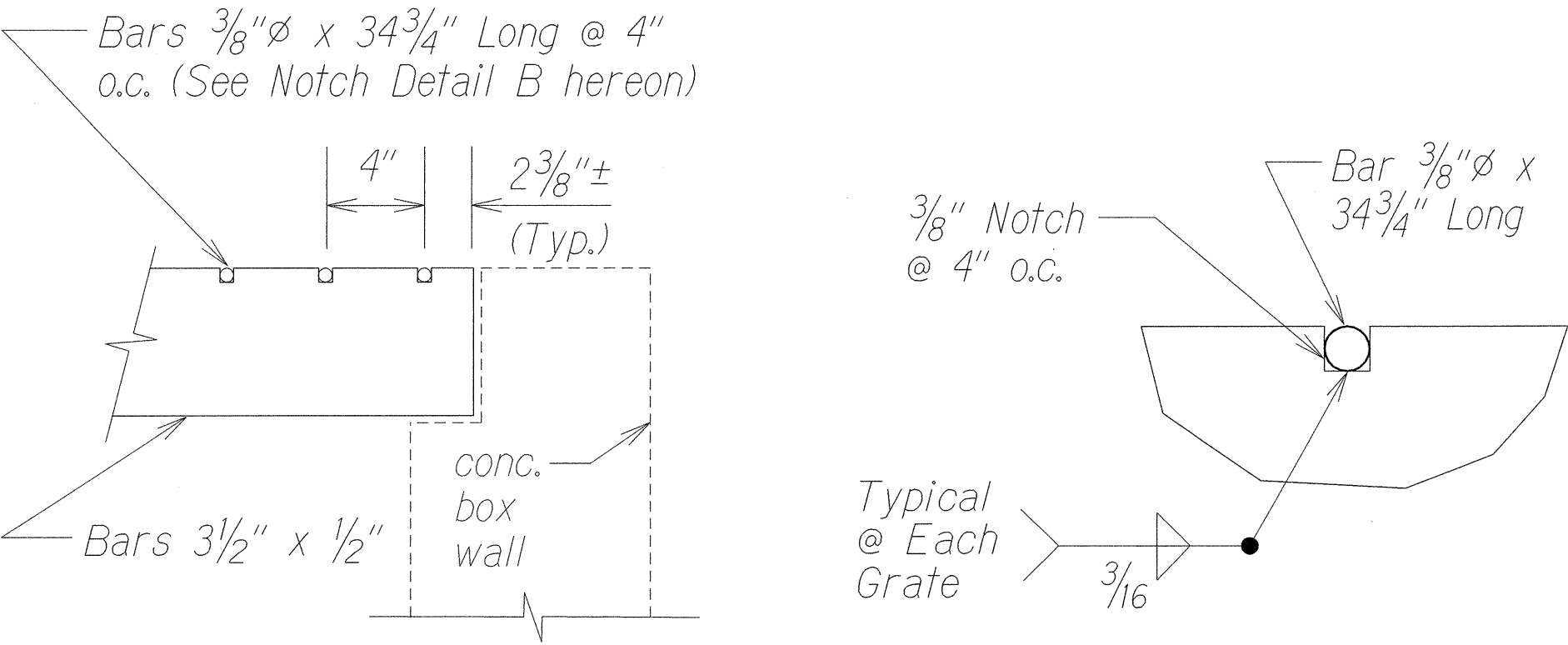
**DRAINAGE DETAILS**

ROUTE 50,  
KAUMUALII HIGHWAY RESURFACING  
Vicinity of Maluhia Road to Omao Road  
Project No. 50D-01-00M

Scale: Not to Scale Date: August, 2000

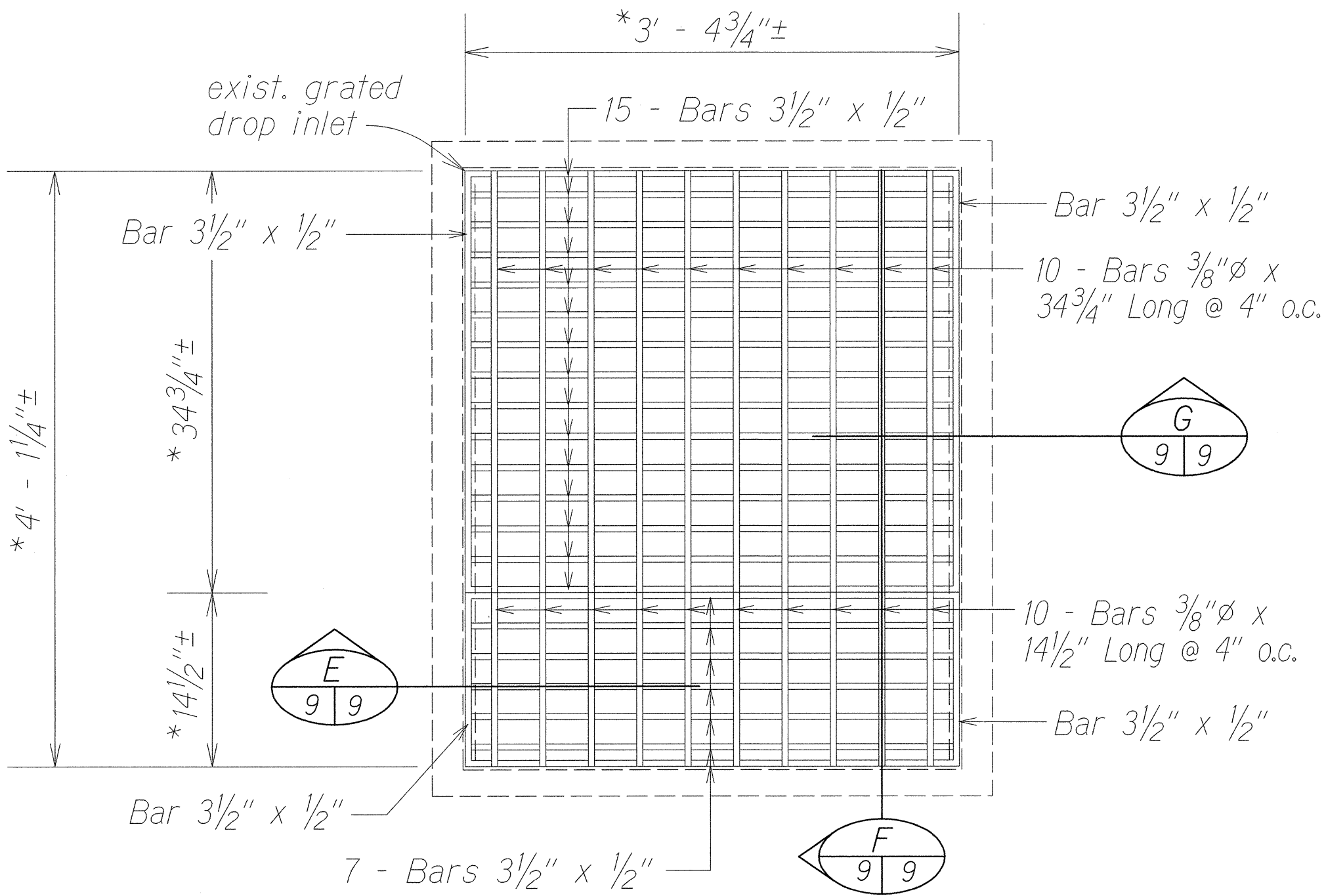
SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50D-01-00M	2001	9	23

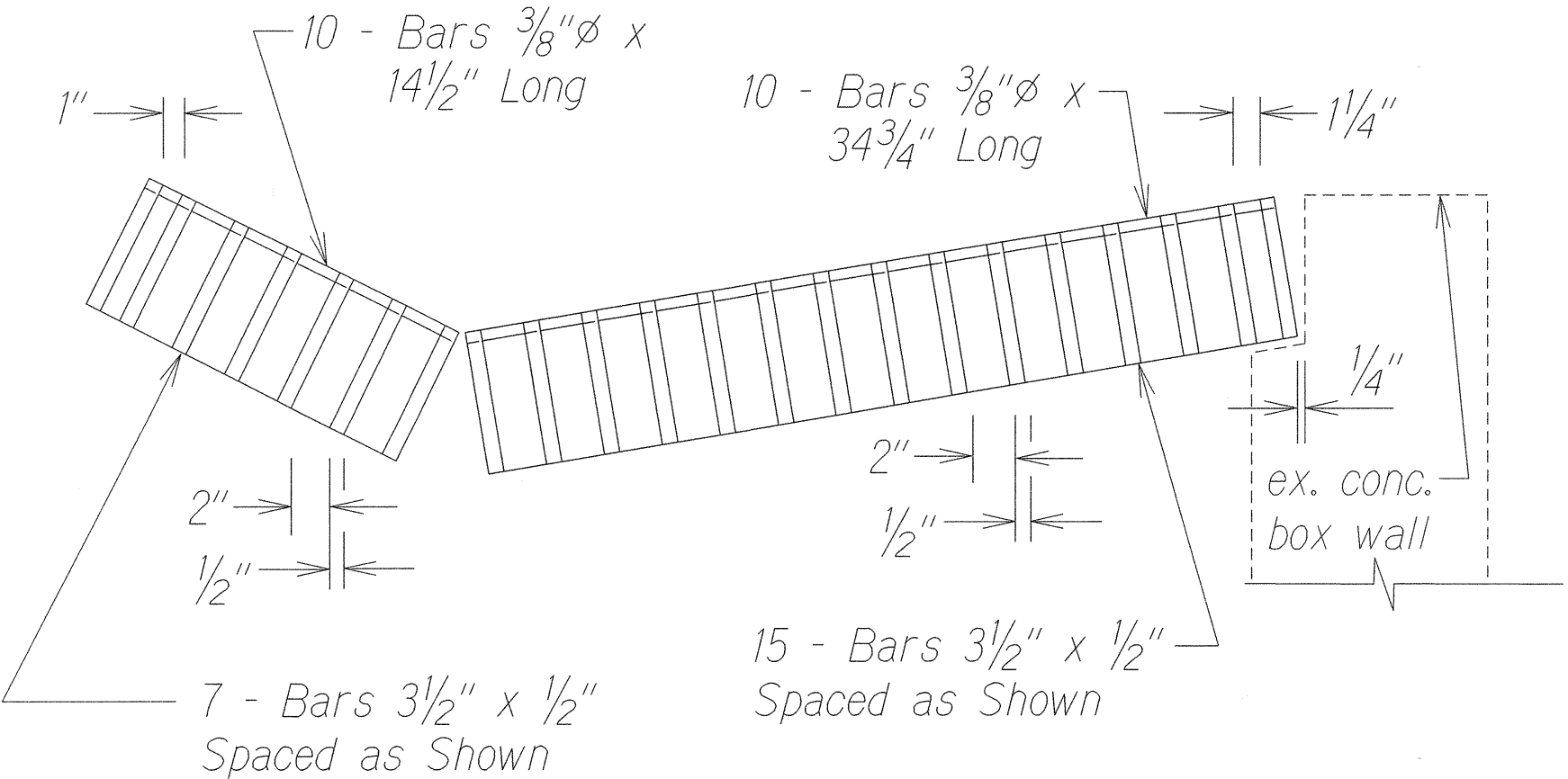


SECTION G  
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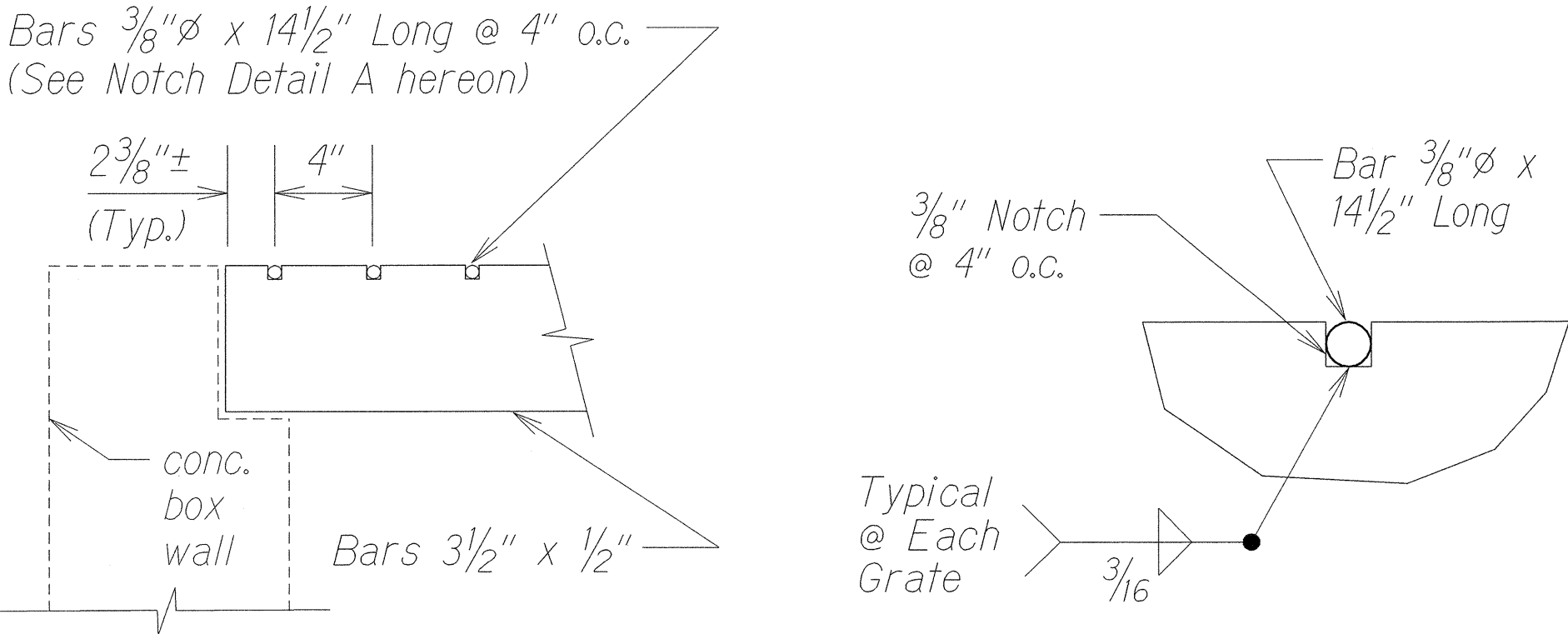
NOTCH DETAIL B  
Not to Scale



PLAN - TYPE 61214P MODIFIED STEEL GRATE  
Not to Scale

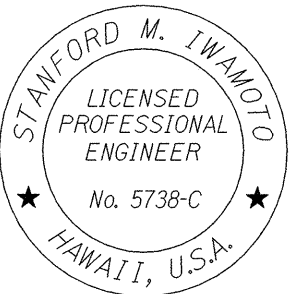


SECTION F  
Not to Scale



SECTION E  
Not to Scale

NOTCH DETAIL A  
Not to Scale



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OR UNDER MY SUPERVISION  
  
Signature

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

DRAINAGE DETAILS  
  
ROUTE 50,  
KAUMUALII HIGHWAY RESURFACING  
Vicinity of Maluhia Road to Omao Road  
Project No. 50D-01-00M  
Scale: Not to Scale      Date: August, 2000

SHEET No. 2 OF 2 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

jkmu1s06.dgn