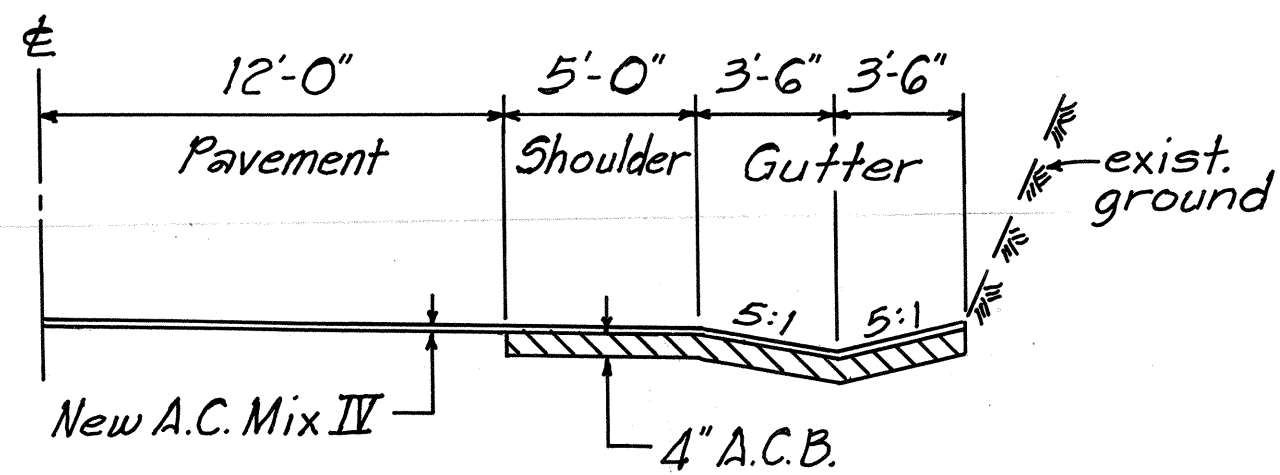


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-019-1(30)	1994	7	9

NOTES:

- Concrete to be Class "A", 3000 psi minimum.
- Reinforcing steel to be ASTM A615 Grade 60.
- Structural steel shall be ASTM A36, Hot Dip Galvanized.
- All Catch Basin Reconstruction to be completed prior to placing New Asphalt.
- Excavation of Asphalt and soil/rock to Reconstruct Catch Basin Drop Inlets to be incidental to Item 604.4560 "Reconstruct Drop Inlets."
- Bars to be welded to angles using 1/4" Fillets and to be welded the full circumference of the Bar Dowels.
- At the time of welding the Rebar Dowels to the Angles, all parts shall be free from Rust, Rust Pits, Scale, Moisture and other Deleterious matter that would adversely affect the welding operation.
- All Steel Assemblies to be Re-galvanized as necessary per ASTM Standards prior to installation and after welding Rebar Dowels to Angles.
- Roughen Concrete Surfaces prior to placing Concrete. Do not Damage or Jackhammer existing Reinforcing Steel Exposed during Concrete Removal.
- Ensure that all Grate Armored Seat Assemblies are level and securely placed in forms prior to placing concrete.
- After removing forms, fill all voids with Epoxy Type Grout. This work to be incidental to Item 604.4560 "Reconstruct Drop Inlets."
- All existing Grates to be Removed, Cleaned and Painted with Black Bridge Paint specified in State Specification 708-Paints and conform to AASHTO M-68. Steel surfaces to be prepared in accordance with Manufactures Specifications.
- Warning Signs during reconstruction of Catch Basins shall be incidental to Item 604.4560 "Reconstruct Drop Inlets."
- All Dimensions are based upon existing Grate Sizes. All Dimensions, Existing and Final Grate Elevations should be Field Verified prior to Fabrication of Grate Armored Seat Assemblies.
- Final Grate Elevations to be matched with upslope shoulder finished grade.
- Upon completion of work, Contractor shall clean Catch Basin and Conduits of all debris and rubbish.



DROP INLET SHOULDER APPROACH CROSS SECTION

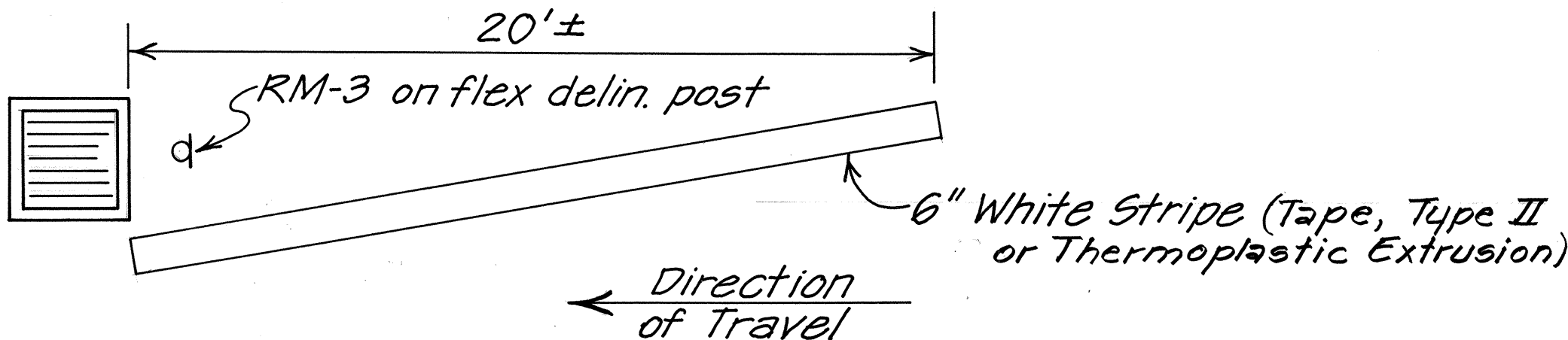
Not To Scale

NOTE:

- This Shoulder Detail applies to Catch Basins At Stations 46+06, 66+24, 72+54 & 76+06.
- Gutter width Varies from 3'-0" to 7'-0", to match Site Conditions at 50-foot Drop Inlet Shoulder Approach.
- Typical marking in advance of drainage hazard shall be incidental to "reconstruct drop inlet" work.

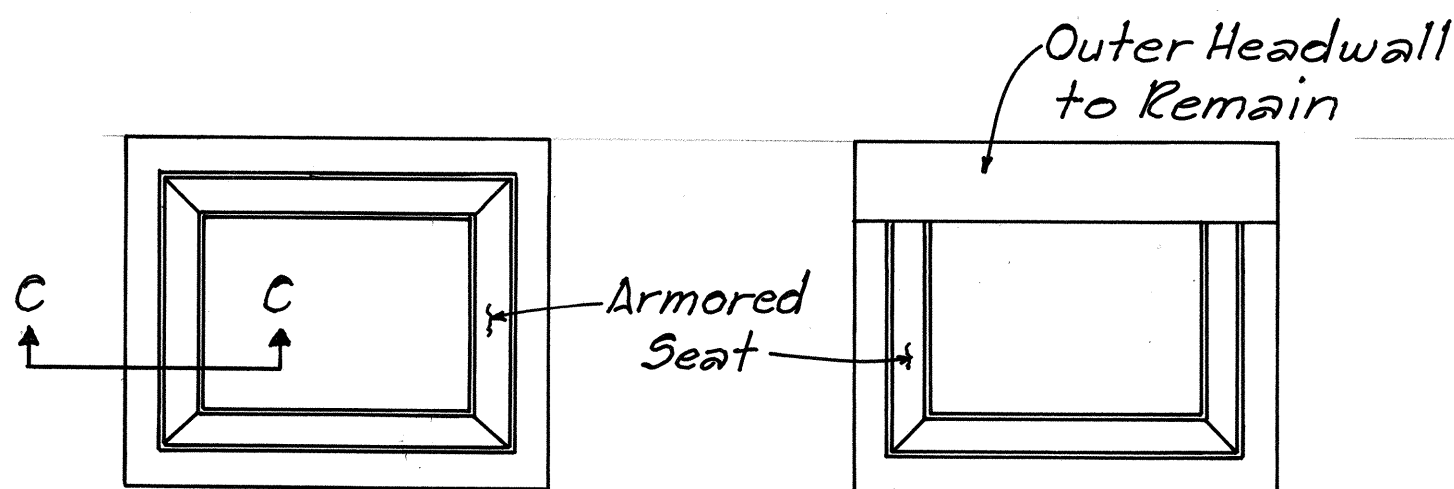
CATCH BASIN DROP INLET RECONSTRUCTION SCHEDULE							
Location Station	TYPE	Offset From C.L.	Grate Size (In.)	A (In.)	B (In.)	H (In.) *	Length of Dowels
46+06	B	16.5 Rt.	34 x 27 1/2	36	29 1/2	8	7 1/2"
66+24	A	17.0 Rt.	45 x 33	47	35	4	3 1/2"
72+54	B	12.0 Rt.	34 x 27 1/2	36	29 1/2	2	1 1/2"
76+06	A	12.0 Rt.	37 1/2 x 31 1/2	39 1/2	33 1/2	4	3 1/2"

* Final grate elevation to match upslope shoulder final grade.



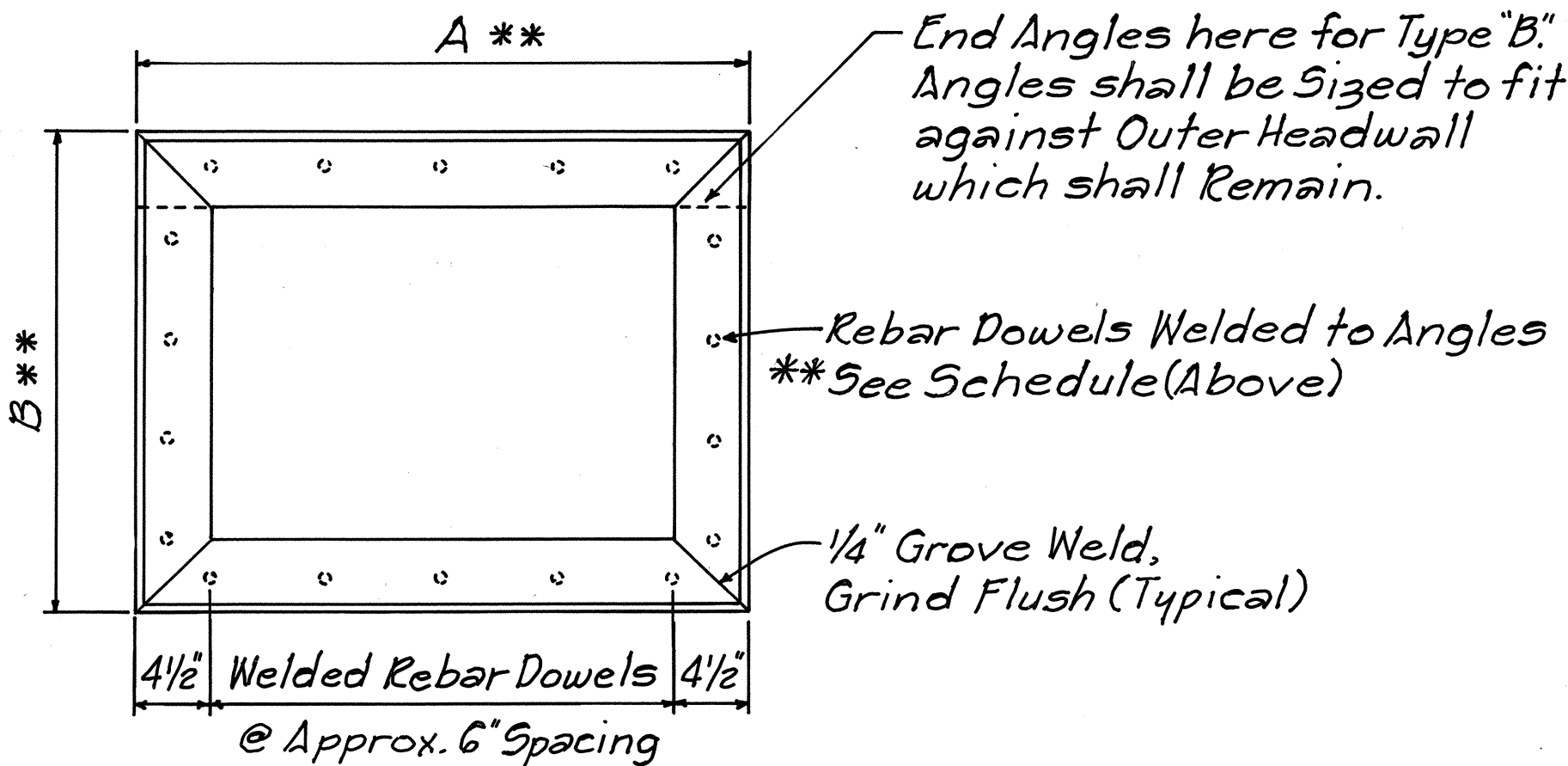
TYPICAL MARKING IN ADVANCE OF DRAINAGE HAZARD @ STA. 46+06 & STA. 66+24

Not To Scale

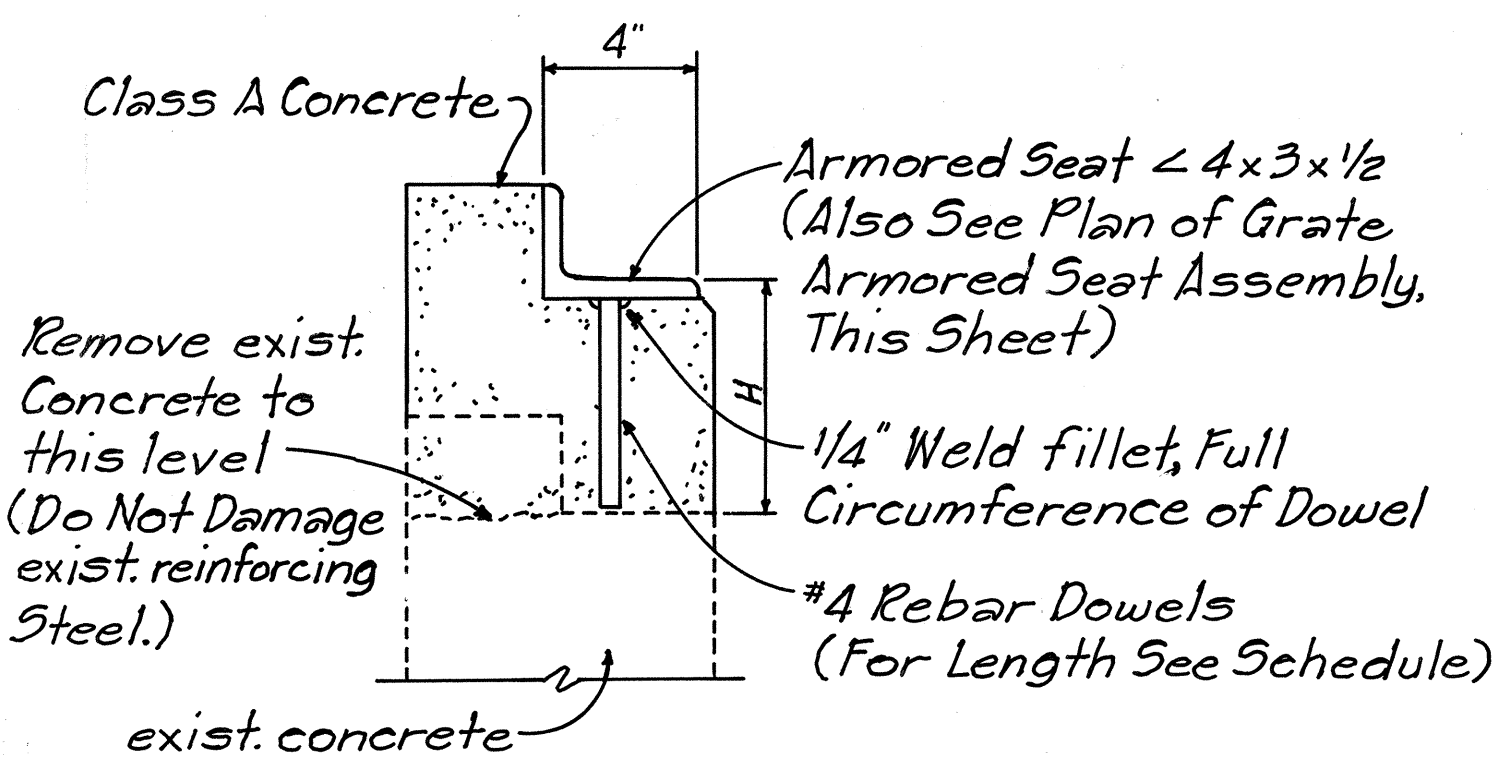


PLAN TYPE "A"

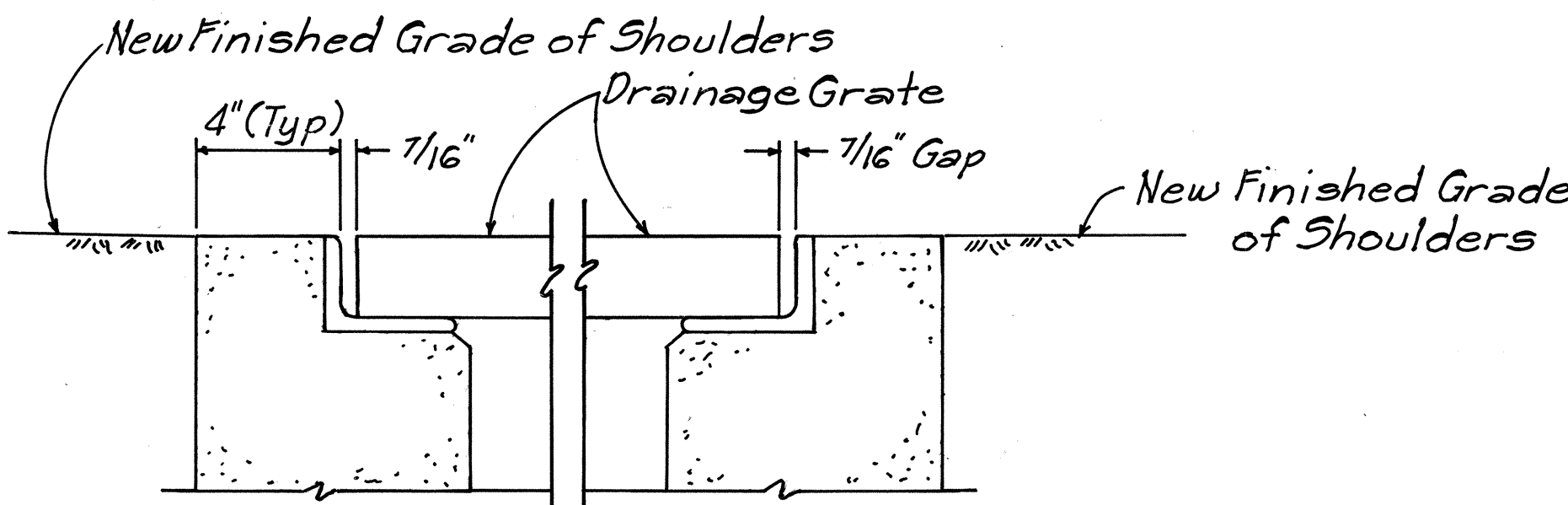
PLAN TYPE "B"



PLAN VIEW GRATE ARMORED SEAT ASSEMBLY



SECTION "C-C"



FINISHED DROP INLET DETAIL & SECTION

CATCH BASIN, DROP INLET, RECONSTRUCTION DETAIL

Not To Scale

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

CATCH BASIN DETAIL

AND NOTES

HAWAII BELT ROAD RESURFACING

FED. AID PROJ. No. STP-019-1(30)

Scale: As Noted Date: Sept. 1992

SHEET NO. 1 OF 1 SHEETS

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
NO.	