

FISCAL SHEET TOTAL YEAR NO. SHEETS FED. ROAD STATE FED. AID PROJ. NO. 2010 33 ER-15(3)

Additional Details Which Are Not Shown for Clarity. — Limits of Excavation for Abutments To Hild Abutment 1 abutment 2 New Abutment 2 700 2-48" HDPE Pipes

10

See Structural Plans for

690

60

*50* 

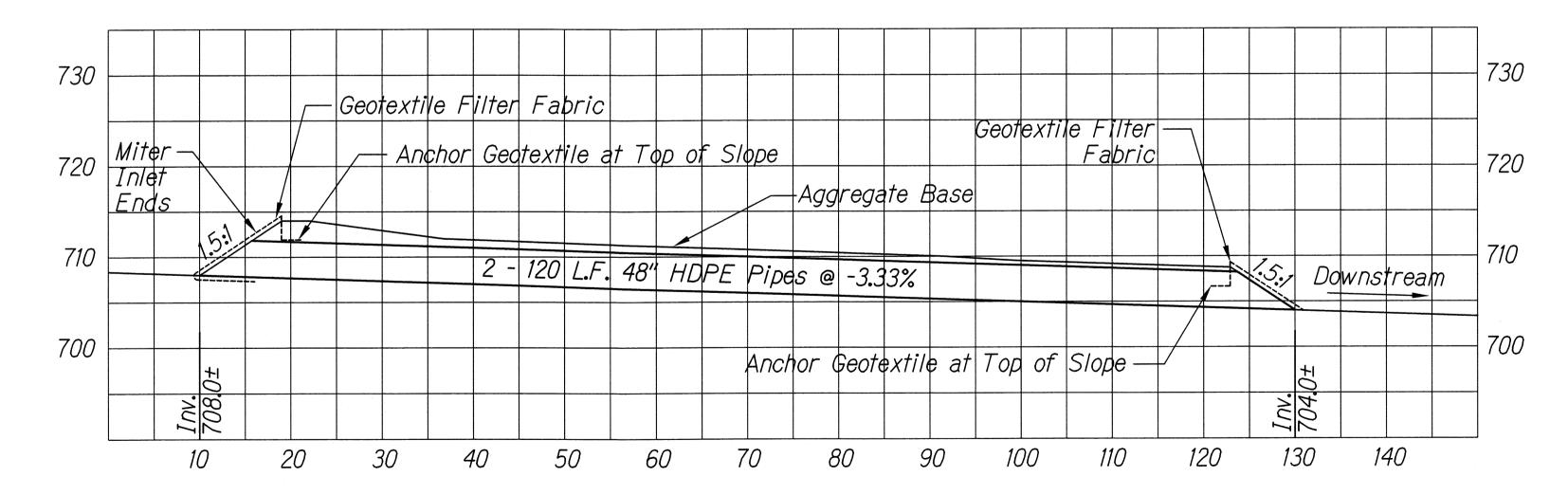
SECTION A-A - 2-48" HDPE PIPE CULVERT

SCALE: 1" = 10'

-30

-20

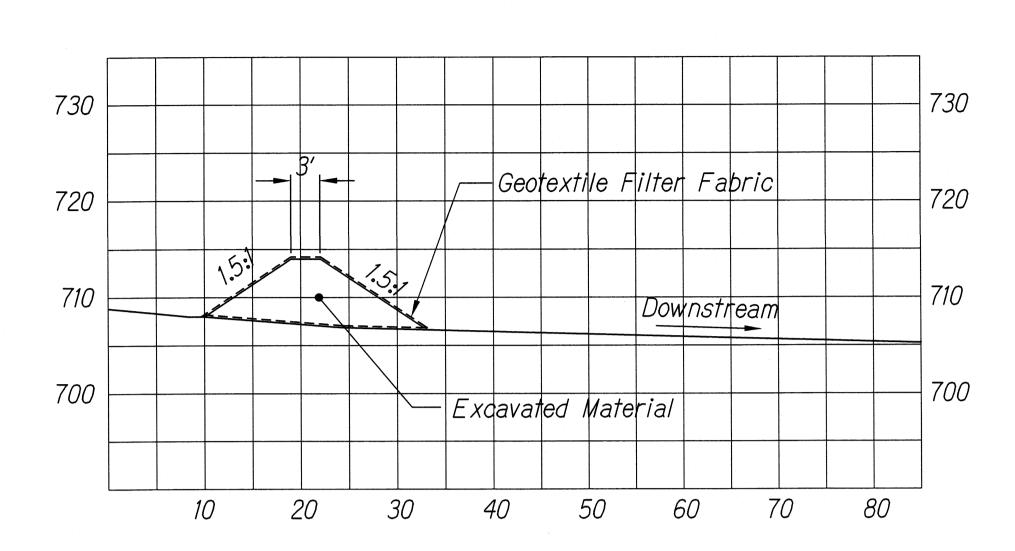
690



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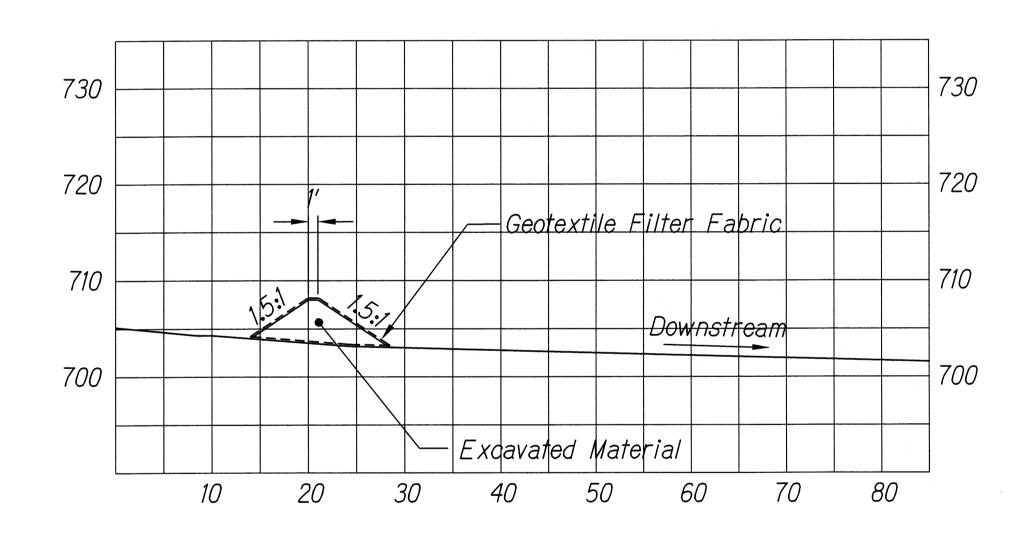
<u> PROFILE B-B - 2-48" HDPE PIPE CULVERT</u>

SCALE: 1" = 10'



SECTION C-C - BERM

SCALE: 1" = 10'

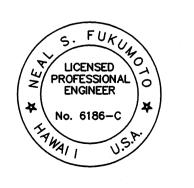


SECTION D-D - BERM

SCALE: 1" = 10'

GRAPHIC SCALE

Scale: 1''=10'



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION TEMPORARY CULVERTS

PROFILE AND SECTION HAWAII BELT ROAD

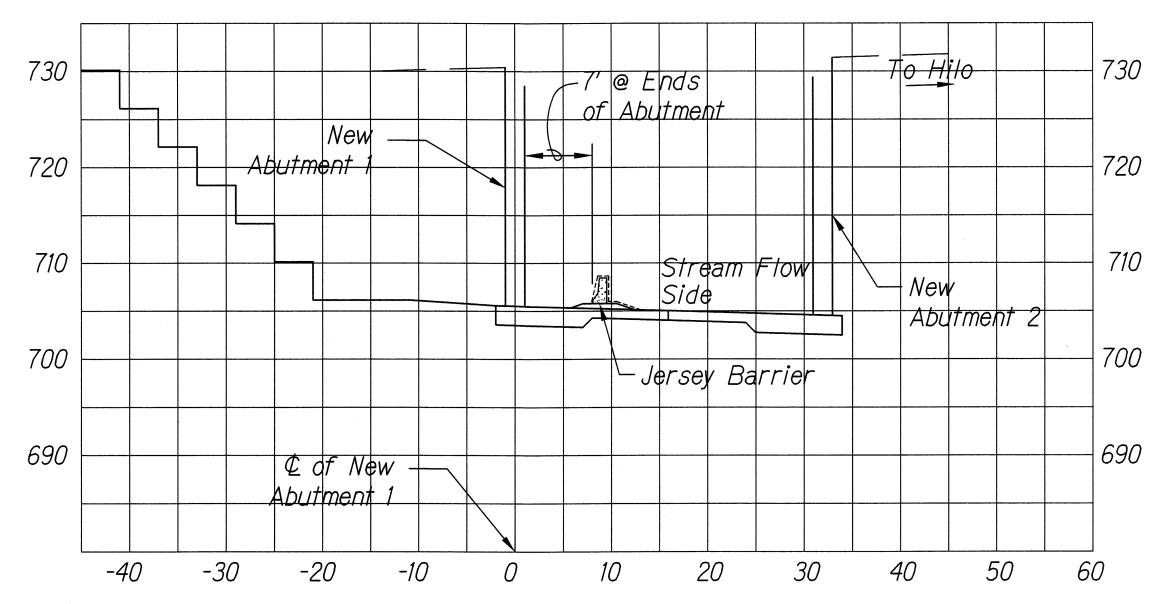
KAWAILII STREAM BRIDGE REPLACEMENT

Federal Aid Project No. ER-15(3) Date: October 2009

SHEET No. 1 OF 2 SHEETS

FED. ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
DIST. NO.		PROJ. NO.	YEAR	NO.	SHEETS
HAWAII	HAW.	ER-15(3)	2010	34	80

See Structural Plans for Additional Details Which Are Not Shown for Clarity.



SECTION E-E - JERSEY BARRIER IN STREAM BED SCALE: 1" = 10'

Stream Flow Side

Geomembrane Wrapped
Over Jersey Barrier and
Secured on Both Sides.

Geomembrane Wrapped
Under and Over Bedding
to Middle of Jersey
Barrier. Do not Extend
Further Under Bedding to
Prevent Sliding.

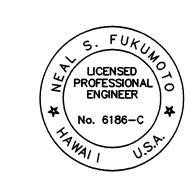
Bedding as Required to — Keep Jersey Barrier Stable and Provide Watertight Seal on Uneven Ground. NOTES:

- 1. If geomembrane is not one continuous roll, overlap upstream roll over downstream roll a minimum of 3 feet.
- 2. Geomembrane shall be Textured LLDPE, 80 mil as manufactured by Poly-Flex, Inc. or pre-approved equal.

JERSEY BARRIER CONTAINMENT DETAIL

SCALE: NTS





This work was prepared by me or under my supervision.
Exp. 04-30-10

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TEMPORARY CULVERTS
PROFILE AND SECTION

<u>HAWAII BELT ROAD</u>

KAWAILII STREAM BRIDGE REPLACEMENT
Federal Aid Project No. ER-15(3)

Scale: As Shown Date: October 2009

SHEET No. 2 OF 2 SHEETS