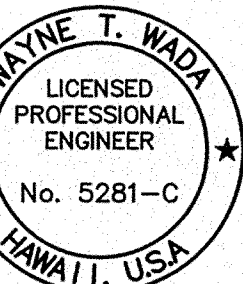


REVISION	DATE	DESCRIPTION	BY	APPROVED
6-20-12		PLAN & PROFILE REVISIONS	WW	



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BY ME OR UNDER MY SUPERVISION

Wayne T. Wada
EXPIRES: APRIL 30, 2014

**PILANI MAI KE KAI SUBDIVISION
PHASE II**

Anahola, Kauai, Hawaii

Tax Map Key: (4) 4-8-16: 03
(4) 4-8-22: 89

Developer/Owner:
Department of Hawaiian Home Lands
91-5420 Kapolei Parkway
Kapolei, HI 96707

**PLAN & PROFILE
LAEKUAEHU STREET**

APPROVED:

COUNTY ENGINEER, DEPT. OF PUBLIC WORKS, DATE
COUNTY OF KAUAI

MANAGER & CHIEF ENGINEER, DEPT. OF WATER, DATE
COUNTY OF KAUAI

DESIGNED BY: WW

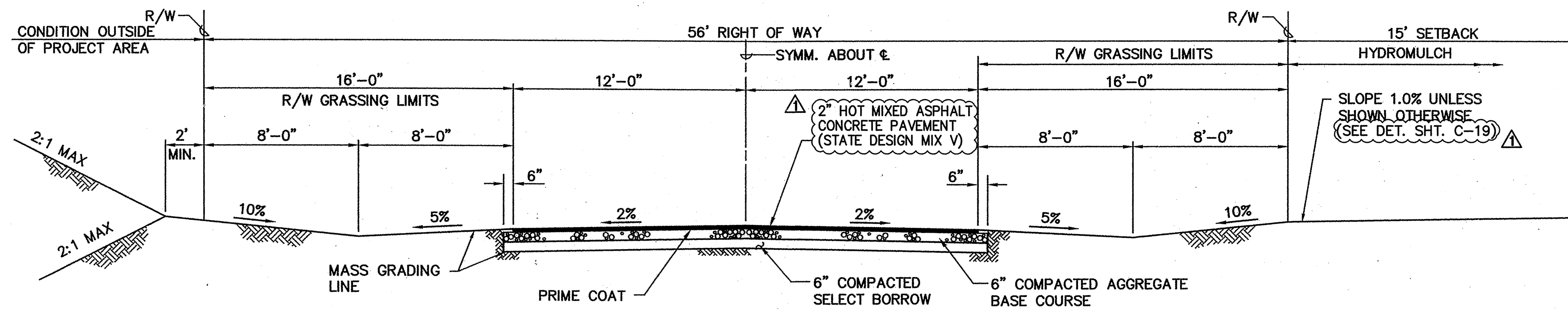
DRAWN BY: CG

DATE: 03/27/12

SHEET

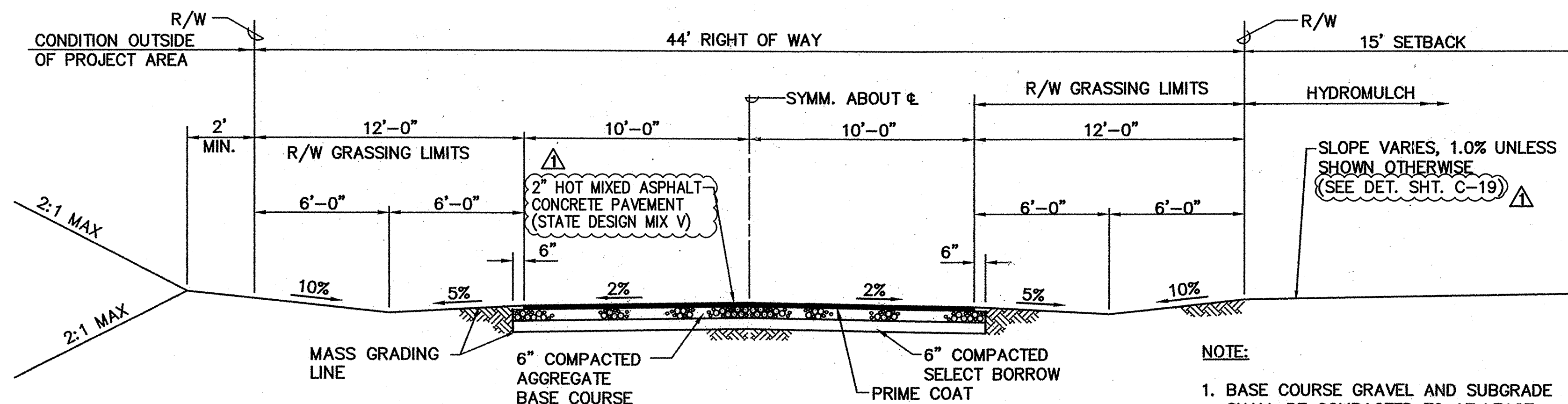
C-27

27 OF 44 SHEETS



TYPICAL 56' WIDE ROAD SECTION

SCALE: 1/4" = 1'-0"

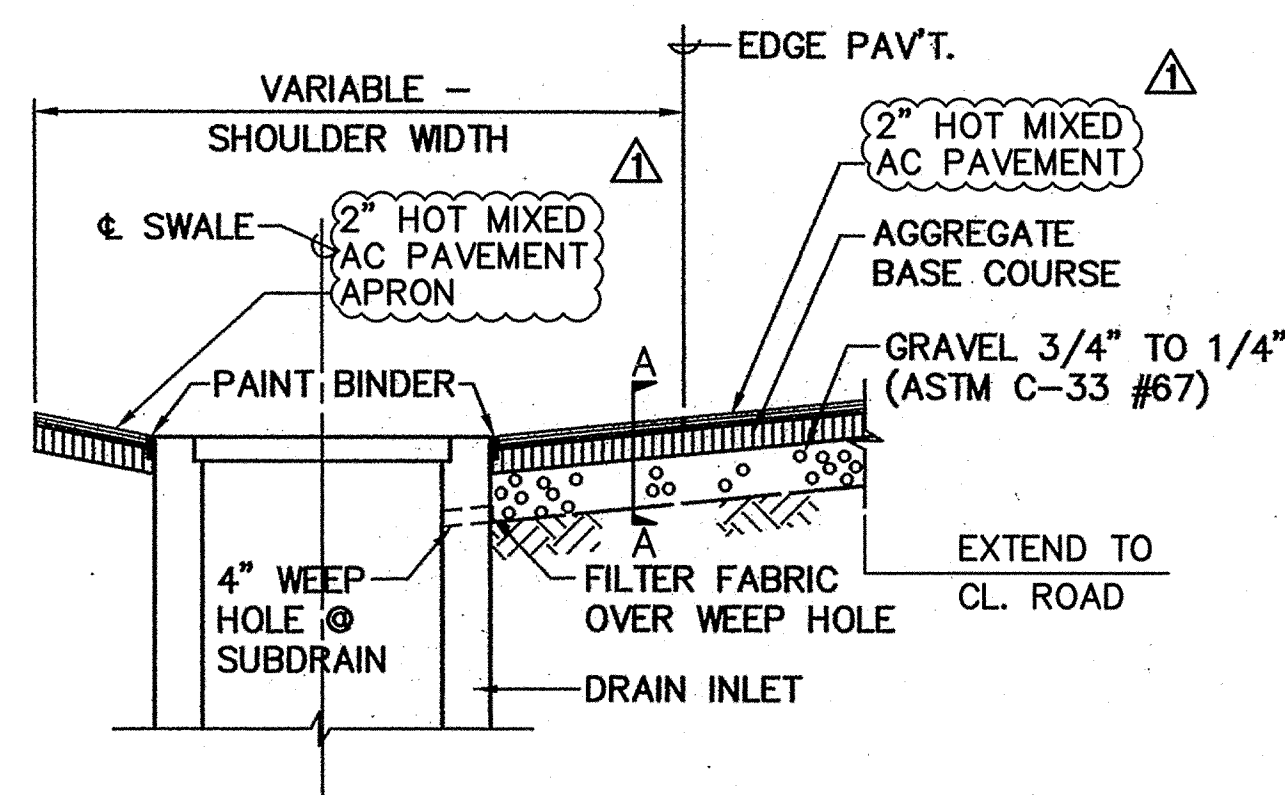


TYPICAL 44' WIDE ROAD SECTION

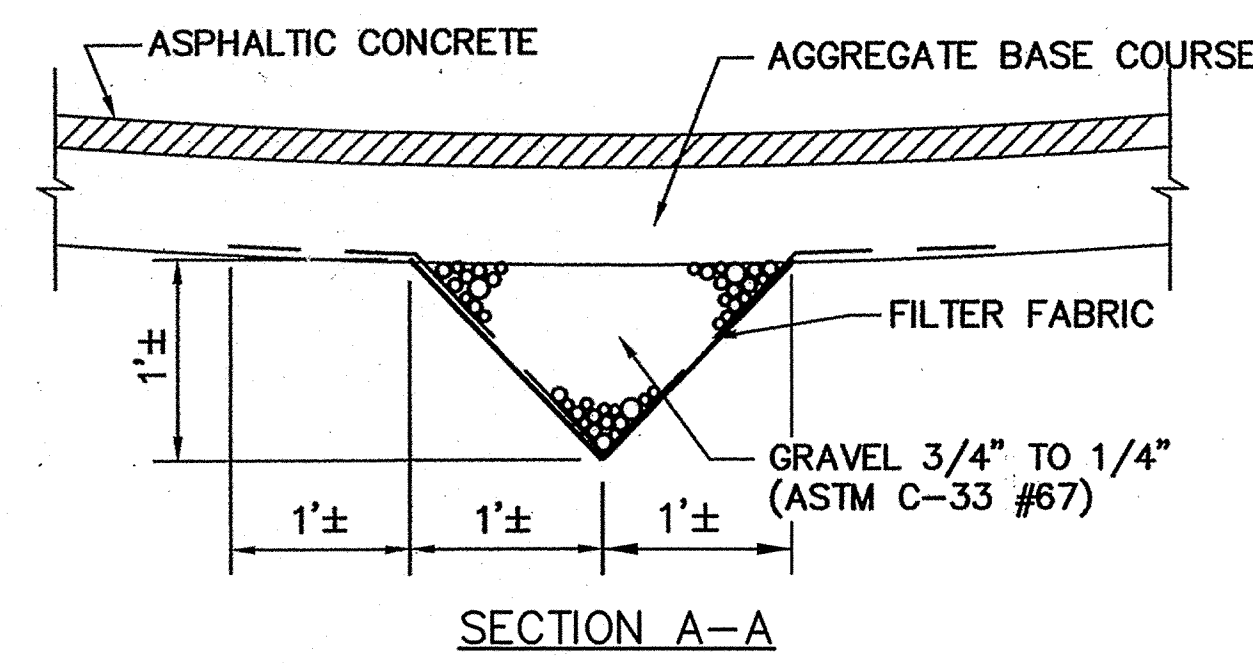
SCALE: 1/4" = 1'-0"

NOTE:

1. BASE COURSE GRAVEL AND SUBGRADE SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557.



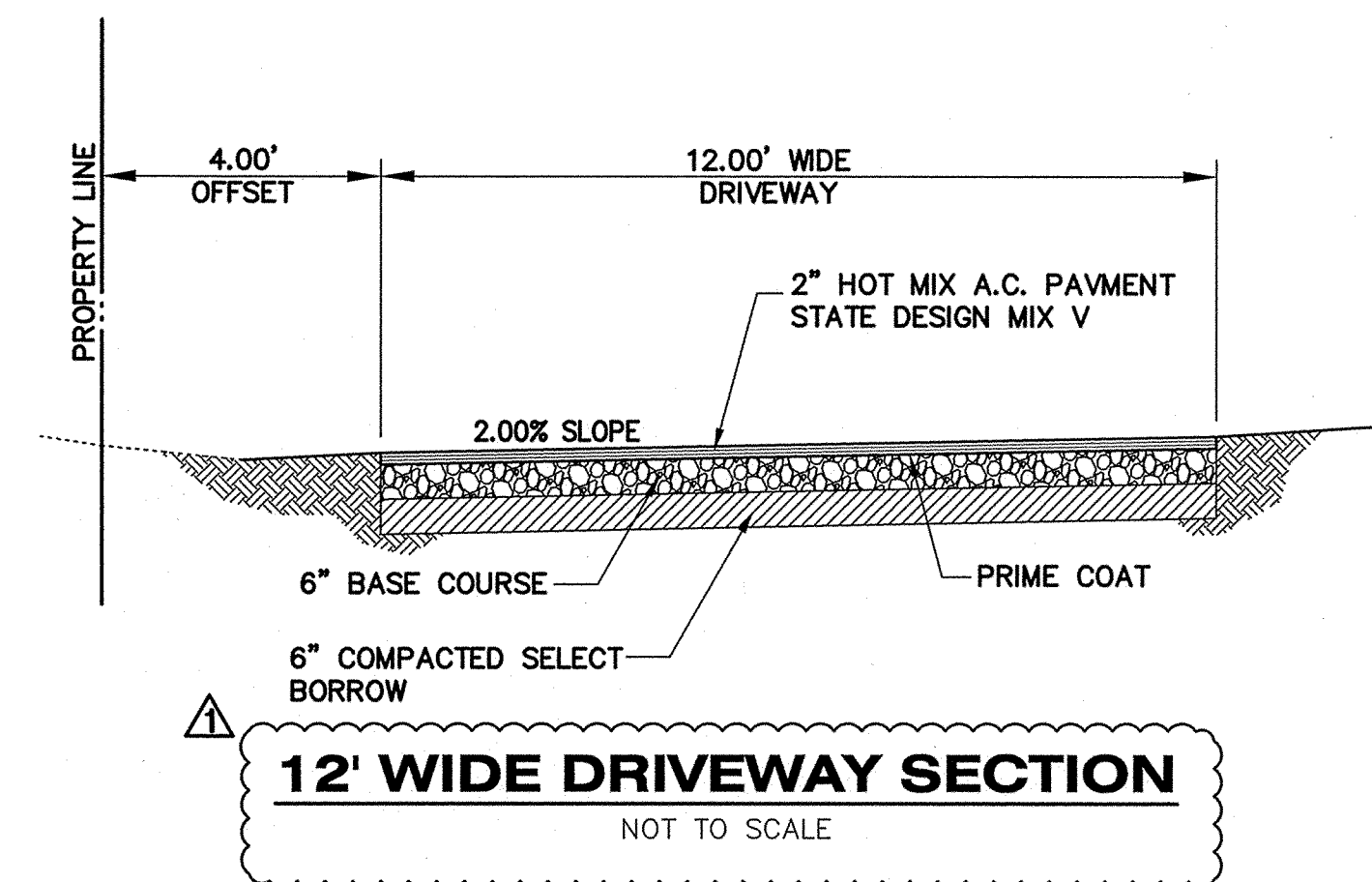
TYPICAL SECTION AT DRAIN INLET



SECTION A-A

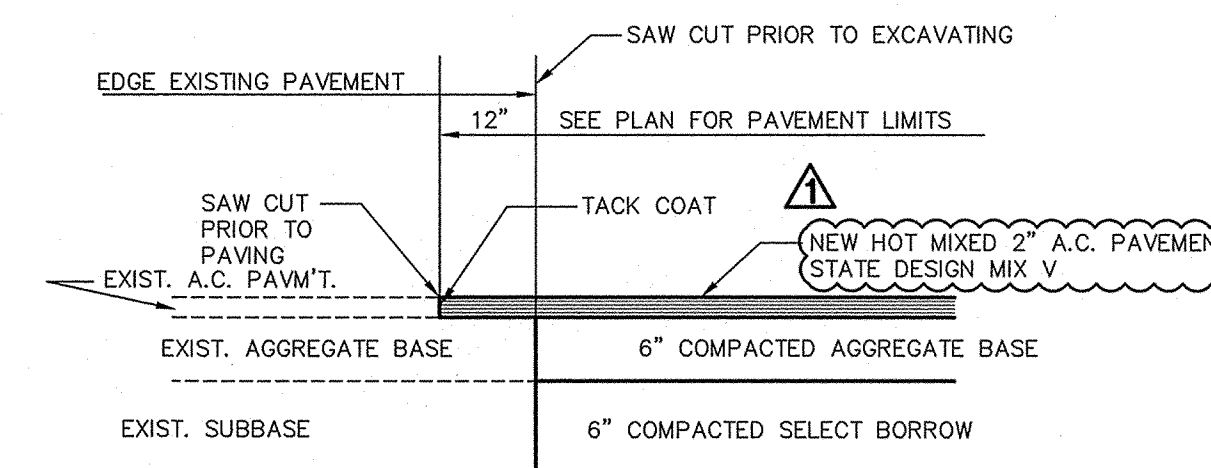
SUBDRAIN DETAILS

NTS



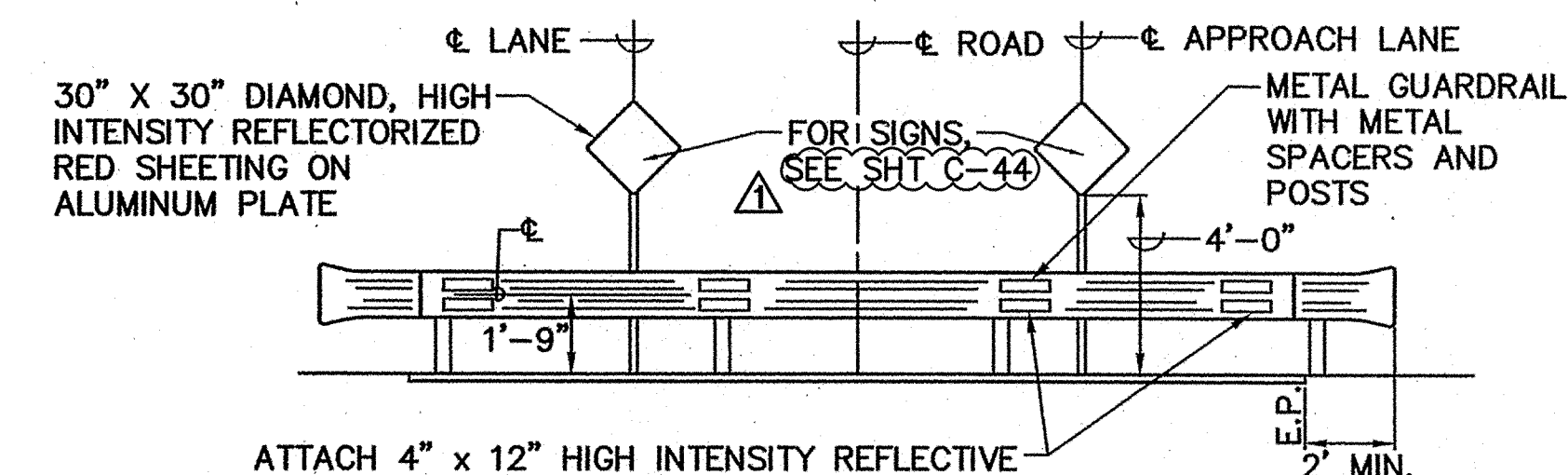
12' WIDE DRIVEWAY SECTION

NOT TO SCALE



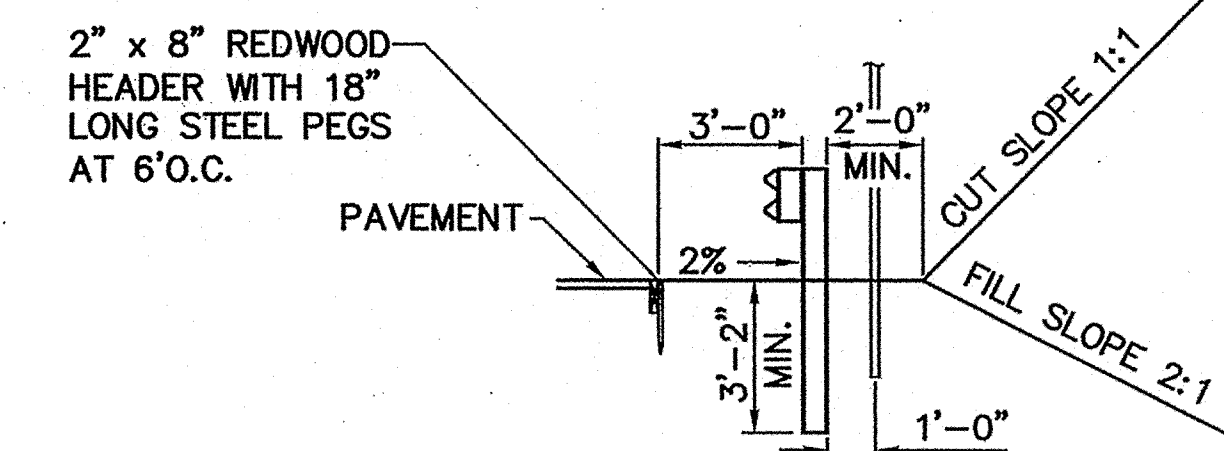
A.C. PAVEMENT CONNECTION DETAIL

NOT TO SCALE



ATTACH 4" x 12" HIGH INTENSITY REFLECTIVE YELLOW PRESSURE- SENSITIVE SHEETING (2 EACH) ONTO GUARDRAIL AT 6' O.C. MAX. USE SCOTCH LITE SYSTEM 5 (9881) OR EQUAL.

TYPICAL ELEVATION



TYPICAL SECTION

END OF ROAD BARRICADE DETAIL

SCALE: 1/4" = 1'-0"

REVISION	DATE	DESCRIPTION	BY	APPROVED
6-20-12		ROADWAY DETAIL REVISIONS	WW	

REVISIONS



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**PILANI MAI KE KAI SUBDIVISION
PHASE II**

Anahola, Kauai, Hawaii

Tax Map Key: (4) 4-8-16: 03
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91-5420 Kapolei Parkway
Kapolei, HI 96707

**ROADWAY
DETAILS**

APPROVED:

COUNTY ENGINEER, DEPT. OF PUBLIC WORKS,
COUNTY OF KAUAI

N.A.
MANAGER & CHIEF ENGINEER, DEPT. OF WATER,
COUNTY OF KAUAI

DESIGNED BY: WW

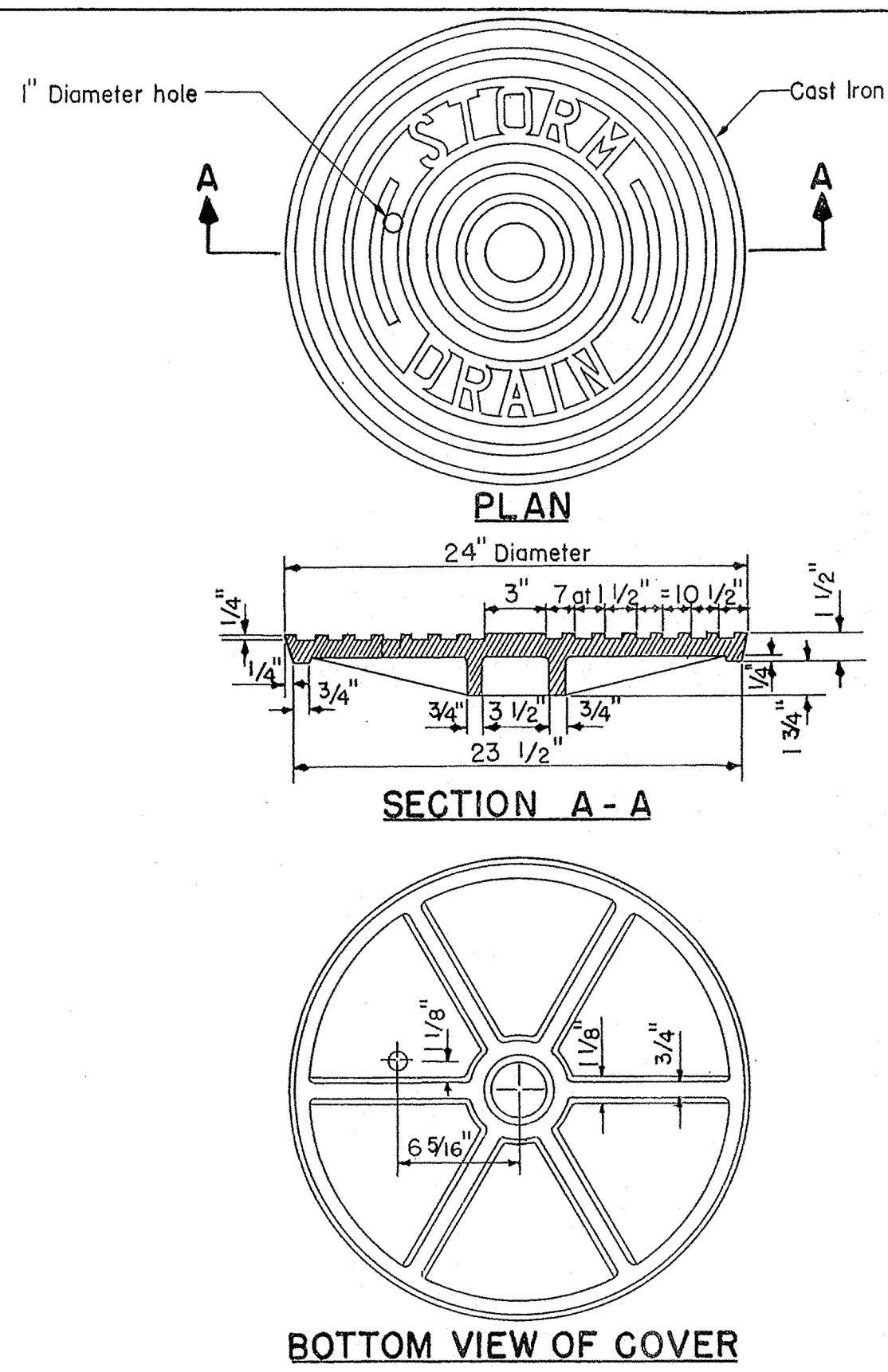
DRAWN BY: CG

DATE: 3/27/12

SHEET

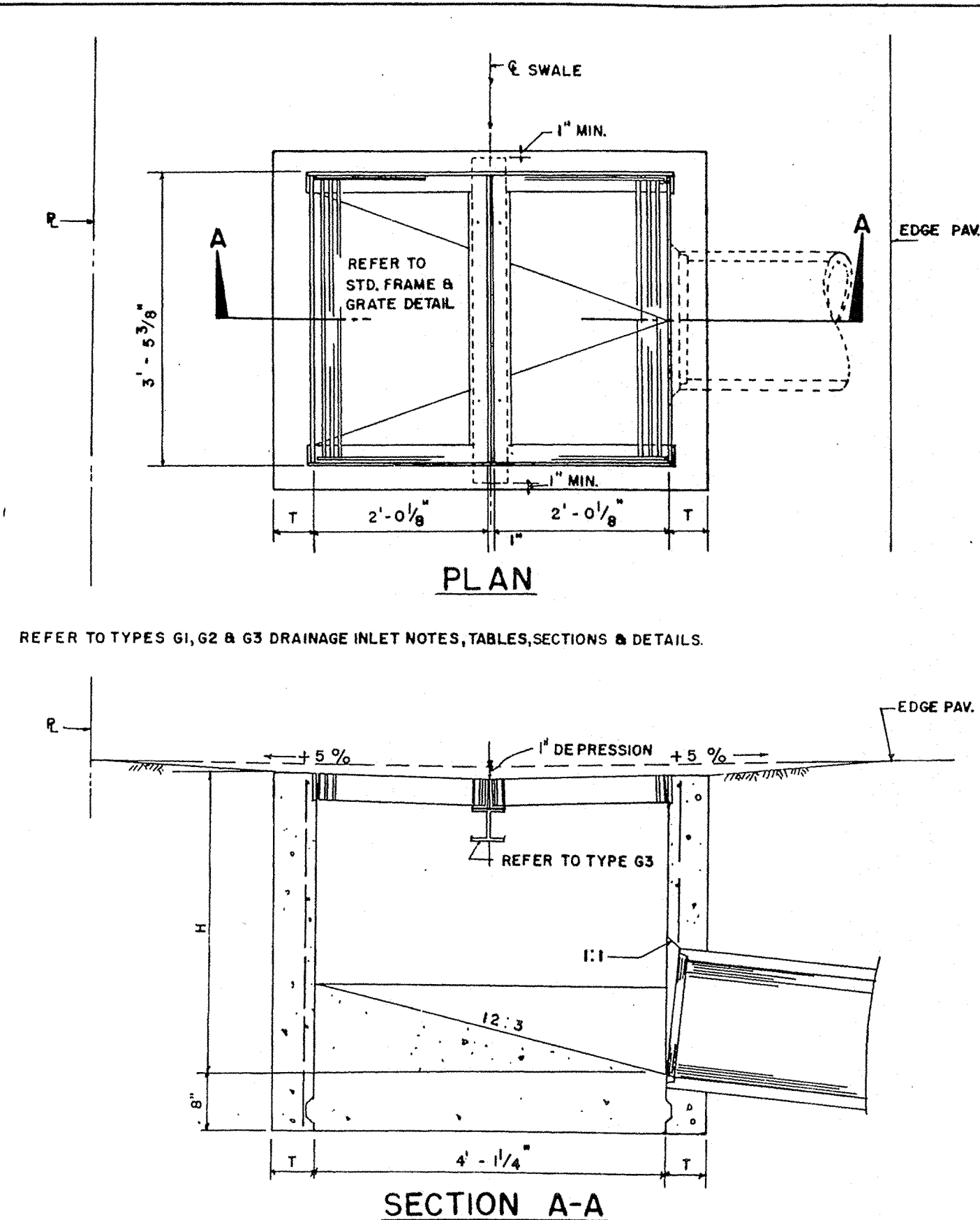
C-29

29 OF 44 SHEETS



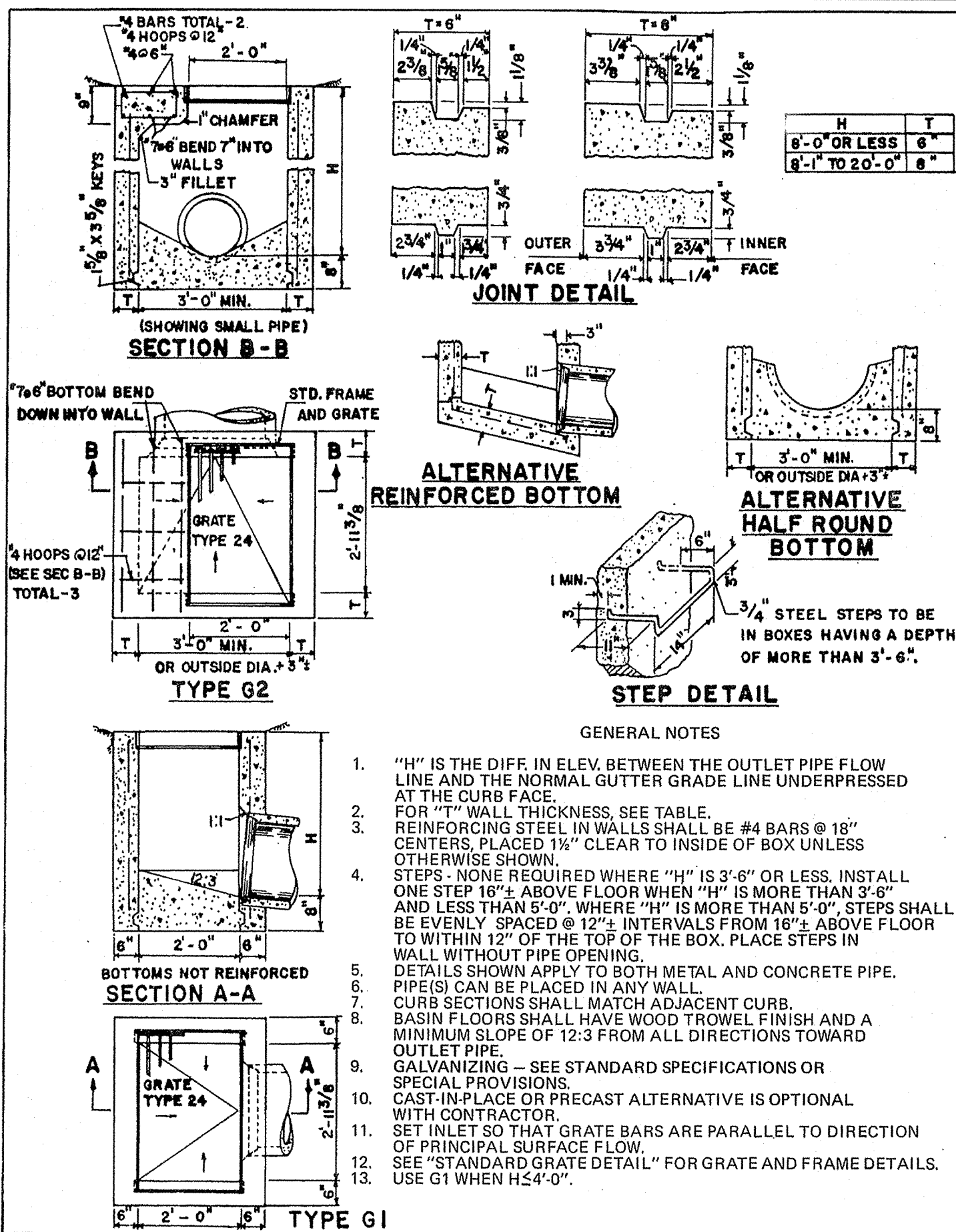
CATCH BASIN AND MANHOLE COVER

D-30	STANDARD DETAILS	CATCH BASIN AND MANHOLE COVER	COUNTY OF KAUAI CITY & COUNTY OF HONOLULU COUNTY OF MAUI COUNTY OF HAWAII
		SEPTEMBER 1984	SCALE: 1 1/2" = 1'-0"



SECTION A-A

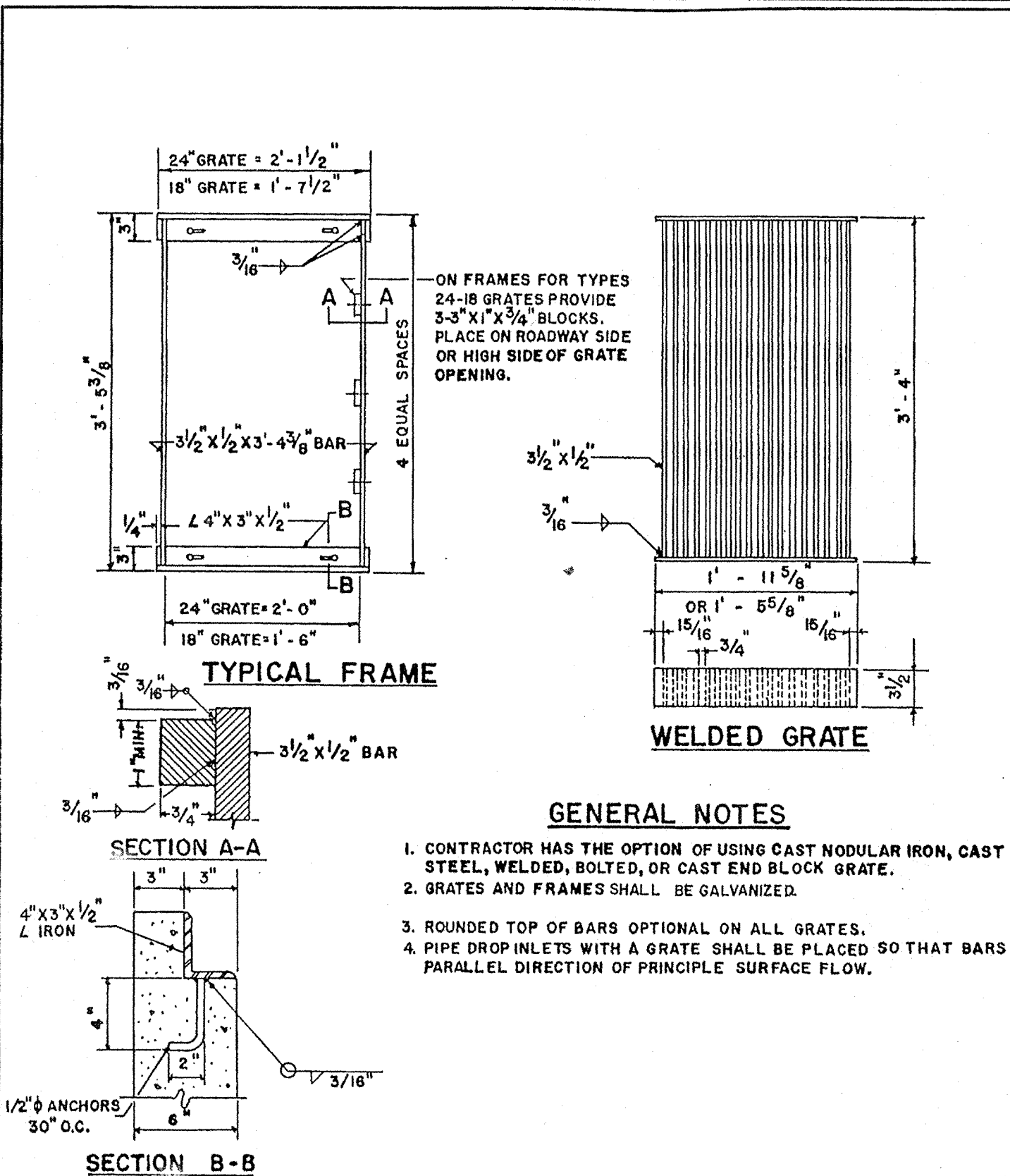
D-38	STANDARD DETAILS	TYPE G4 DRAINAGE INLET	COUNTY OF KAUAI
		SEPTEMBER 1984	SCALE: 5/8" = 1'-0"



GENERAL NOTES

- "H" IS THE DIFF. IN ELEV. BETWEEN THE OUTLET PIPE FLOW LINE AND THE NORMAL GUTTER GRADE LINE UNDERPRESSED AT THE CURB FACE.
- FOR "T" WALL THICKNESS, SEE TABLE.
- REINFORCING STEEL IN WALLS SHALL BE #4 BARS @ 18" CENTERS, PLACED 1 1/2" CLEAR TO INSIDE OF BOX UNLESS OTHERWISE SHOWN.
- STEPS - NONE REQUIRED WHERE "H" IS 3'-6" OR LESS. INSTALL ONE STEP 16" ± ABOVE FLOOR WHEN "H" IS MORE THAN 3'-6" AND LESS THAN 5'-0". WHERE "H" IS MORE THAN 5'-0", STEPS SHALL BE EVENLY SPACED @ 12" ± INTERVALS FROM 16" ± ABOVE FLOOR TO WITHIN 12" OF THE TOP OF THE BOX. PLACE STEPS IN WALL WITHOUT PIPE OPENING.
- DETAILS SHOWN APPLY TO BOTH METAL AND CONCRETE PIPE.
- PIPE(S) CAN BE PLACED IN ANY WALL.
- CURB SECTIONS SHALL MATCH ADJACENT CURB.
- BASIN FLOORS SHALL HAVE WOOD TROWEL FINISH AND A MINIMUM SLOPE OF 12:3 FROM ALL DIRECTIONS TOWARD OUTLET PIPE.
- GALVANIZING - SEE STANDARD SPECIFICATIONS OR SPECIAL PROVISIONS.
- CAST-IN-PLACE OR PRECAST ALTERNATIVE IS OPTIONAL WITH CONTRACTOR.
- SET INLET SO THAT GRATE BARS ARE PARALLEL TO DIRECTION OF PRINCIPAL SURFACE FLOW.
- SEE "STANDARD GRATE DETAIL" FOR GRATE AND FRAME DETAILS.
- USE G1 WHEN H ≥ 4'-0".

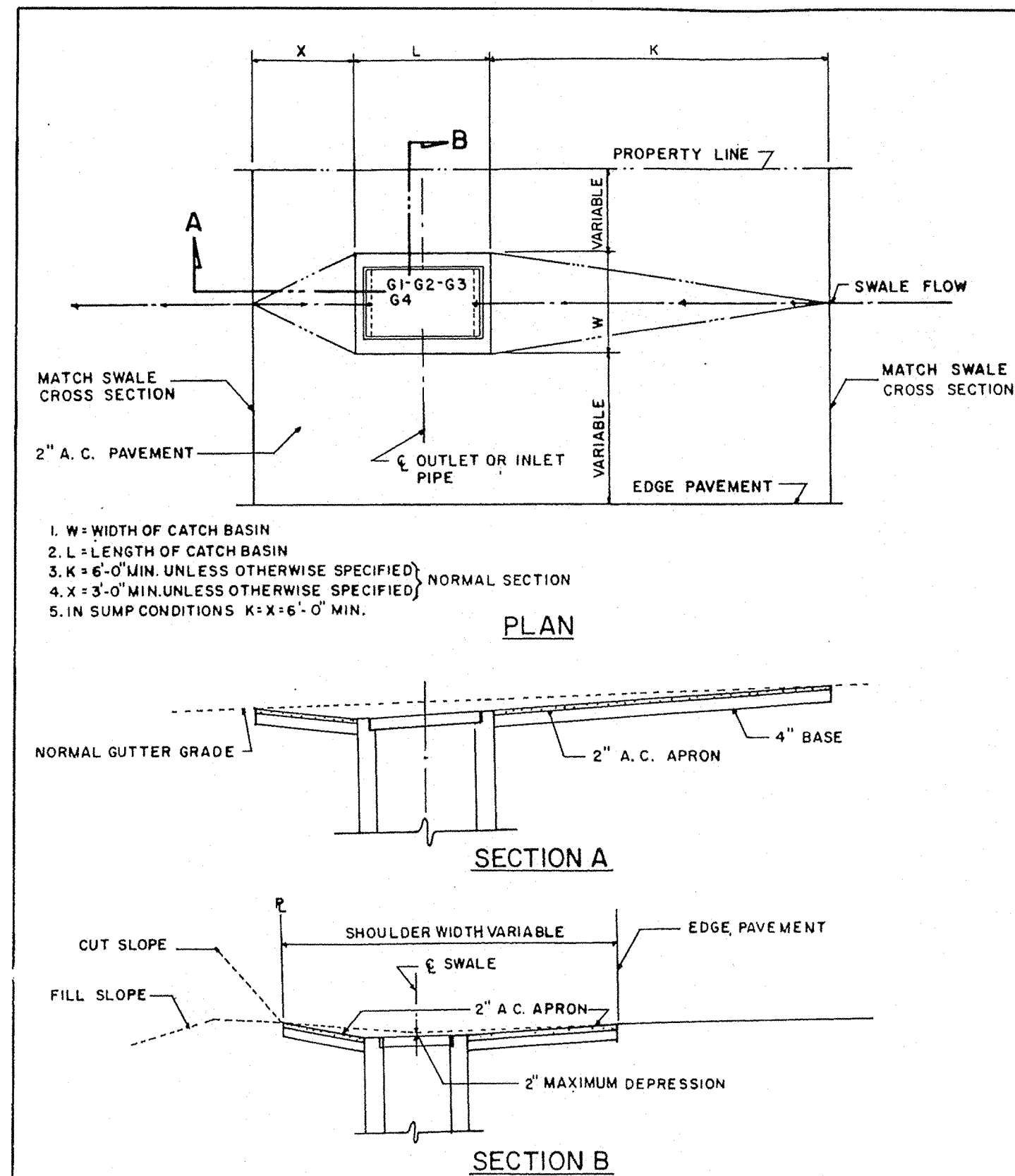
D-36	STANDARD DETAILS	TYPE G1 AND TYPE G2 DRAINAGE INLETS	COUNTY OF KAUAI
		SEPTEMBER 1984	NOT TO SCALE



GENERAL NOTES

- CONTRACTOR HAS THE OPTION OF USING CAST MODULAR IRON, CAST STEEL, WELDED, BOLTED, OR CAST END BLOCK GRATE.
- GRATES AND FRAMES SHALL BE GALVANIZED.
- ROUNDED TOP OF BARS OPTIONAL ON ALL GRATES.
- PIPE DROP INLETS WITH A GRATE SHALL BE PLACED SO THAT BARS PARALLEL DIRECTION OF PRINCIPLE SURFACE FLOW.

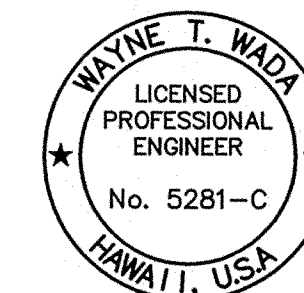
COUNTY OF KAUAI	STANDARD FRAME AND GRATE	STANDARD DETAILS	D-39
		NOT TO SCALE	SEPTEMBER 1984



D-40	STANDARD DETAILS	LOCAL DEPRESSION WITHOUT CURB AND GUTTER	COUNTY OF KAUAI
		SEPTEMBER 1984	SCALE: 1/4" = 1'-0"

REVISION	DATE	DESCRIPTION	BY	APPROVED
6-20-12		TYPE G3 DRAIN INLET DETAIL REMOVED	WW	

REVISIONS



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PILANI MAI KE KAI SUBDIVISION
PHASE II

Anahola, Kauai, Hawaii

Tax Map Key: (4) 4-8-16: 03
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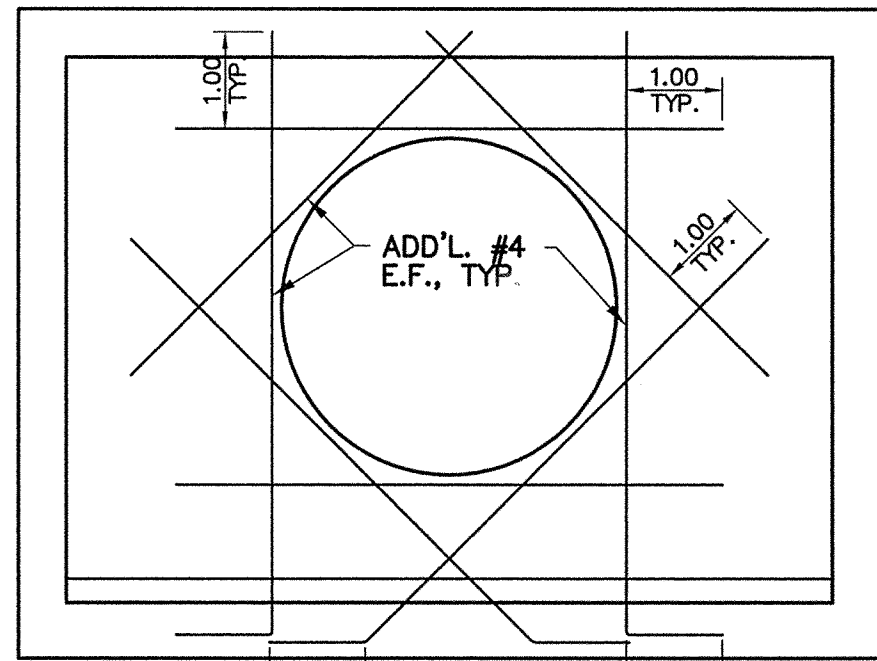
Developer/Owner:
Department of Hawaiian Home Lands
91-5420 Kapele Parkway
Kapolei, HI 96707

DRAINAGE DETAILS

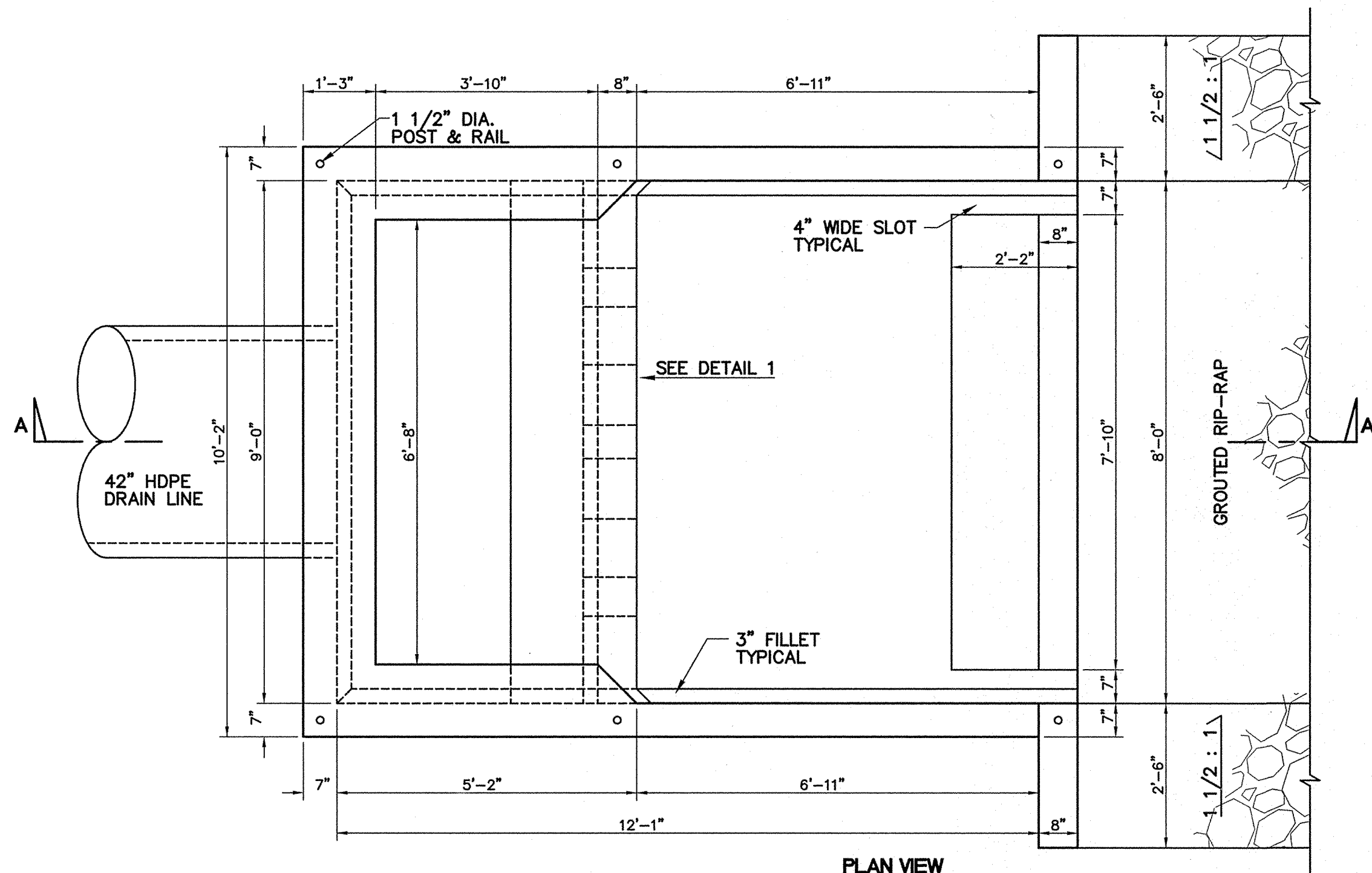
APPROVED:

COUNTY ENGINEER, DEPT. OF PUBLIC WORKS,
COUNTY OF KAUAI
N.A.
MANAGER & CHIEF ENGINEER, DEPT. OF WATER,
COUNTY OF KAUAI

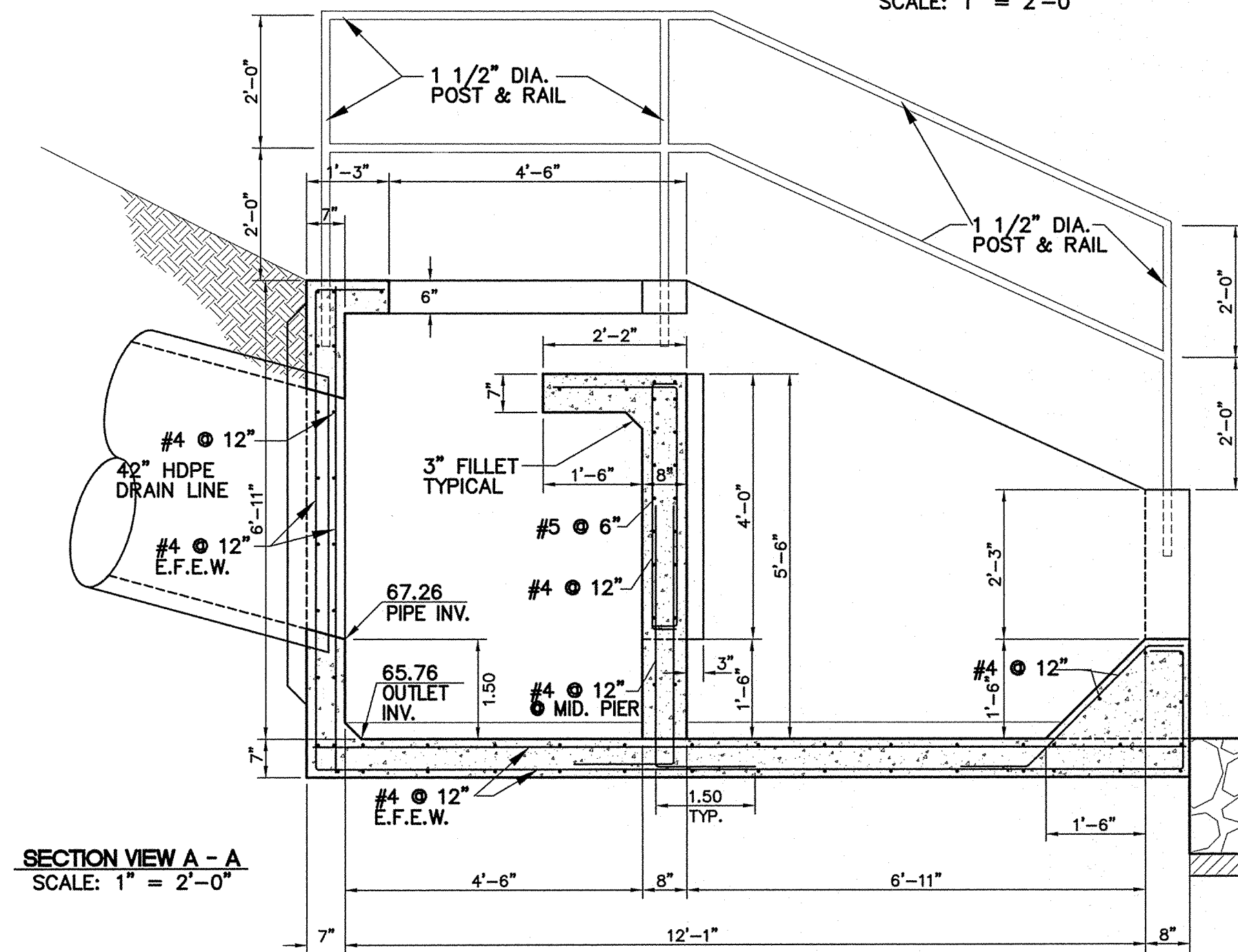
DESIGNED BY: WW
DRAWN BY: CG
DATE: 03/27/12
SHEET
C-33
33 OF 44 SHEETS



ADDED REINF. AROUND PIPE OPENING DETAIL
SCALE: 1" = 2'-0"

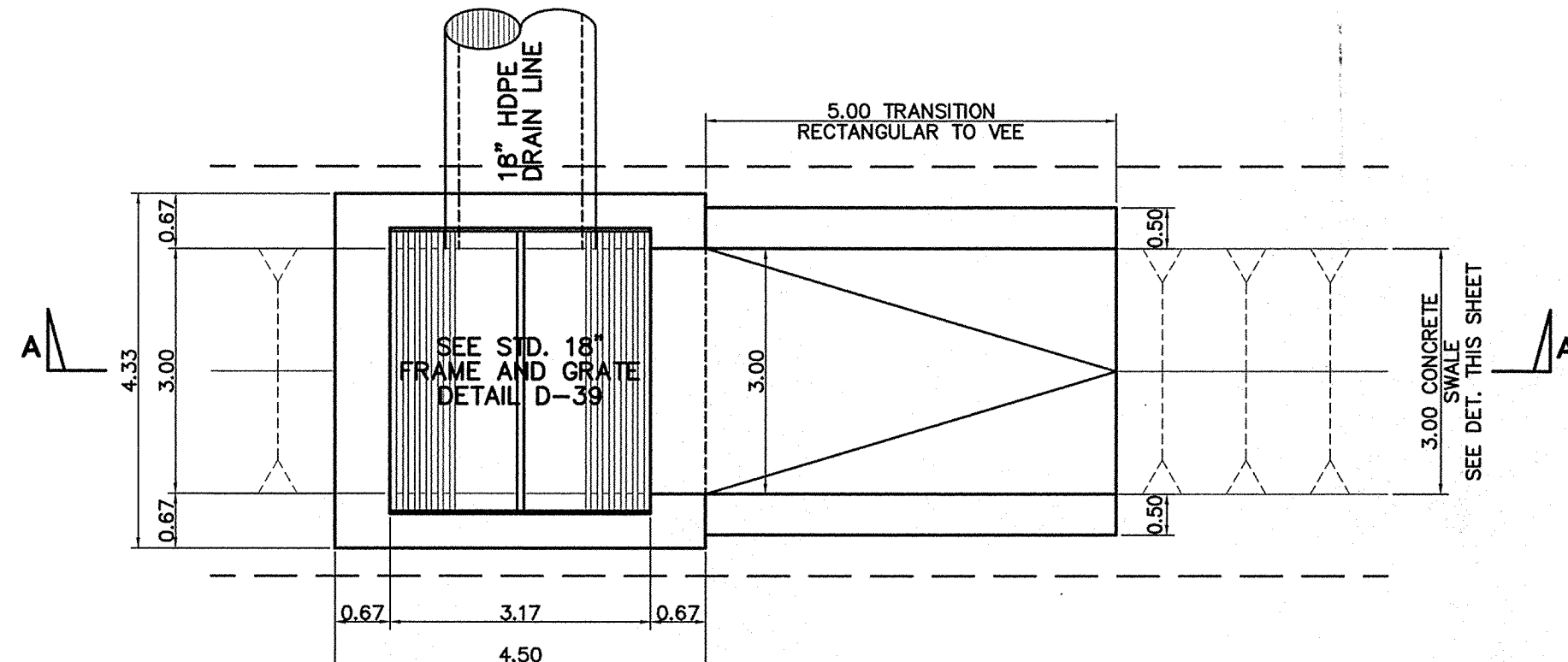


PLAN VIEW
SCALE: 1" = 2'-0"

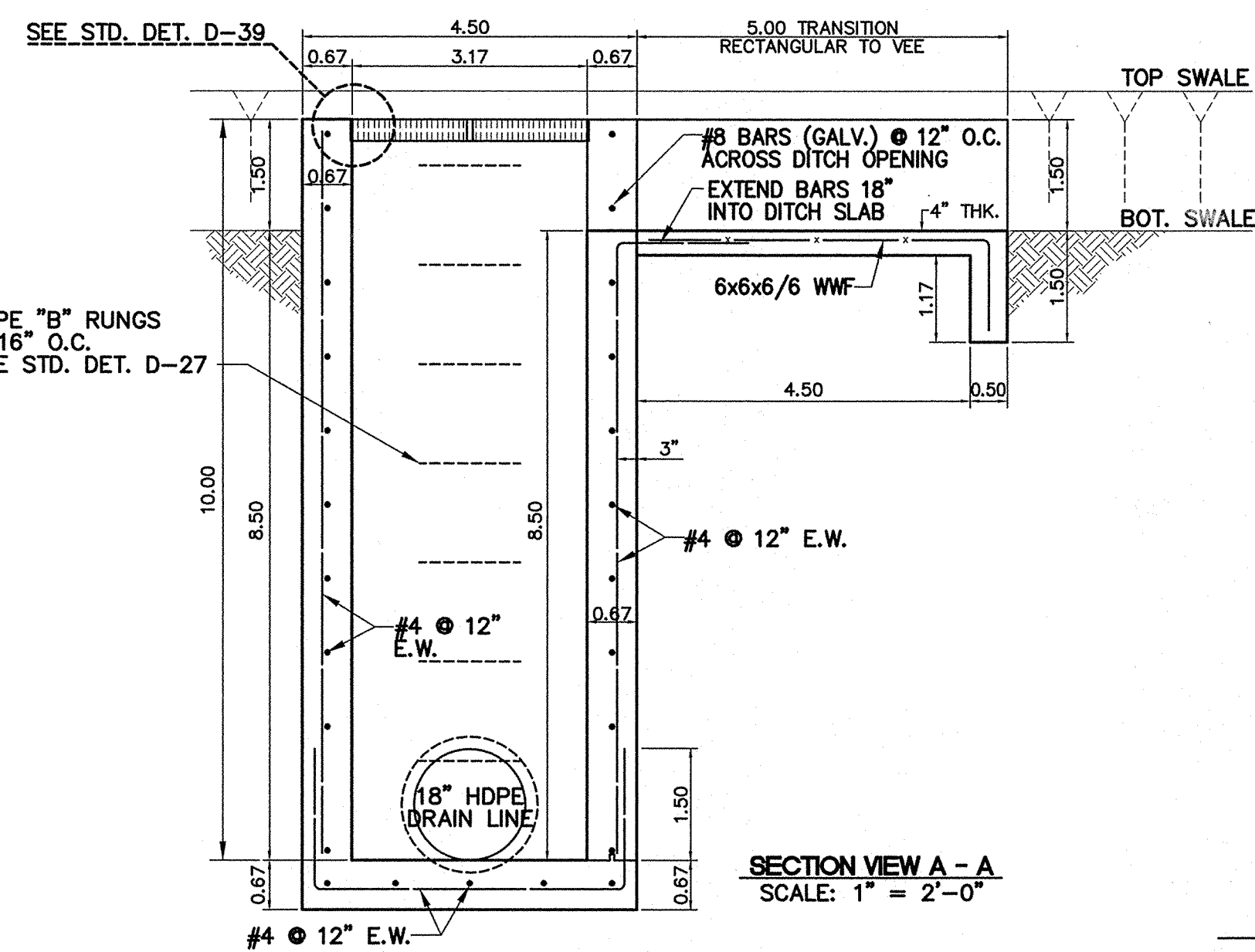


SECTION VIEW A - A
SCALE: 1" = 2'-0"

OUTLET STRUCTURE "A"
SCALE: 1" = 2'-0"

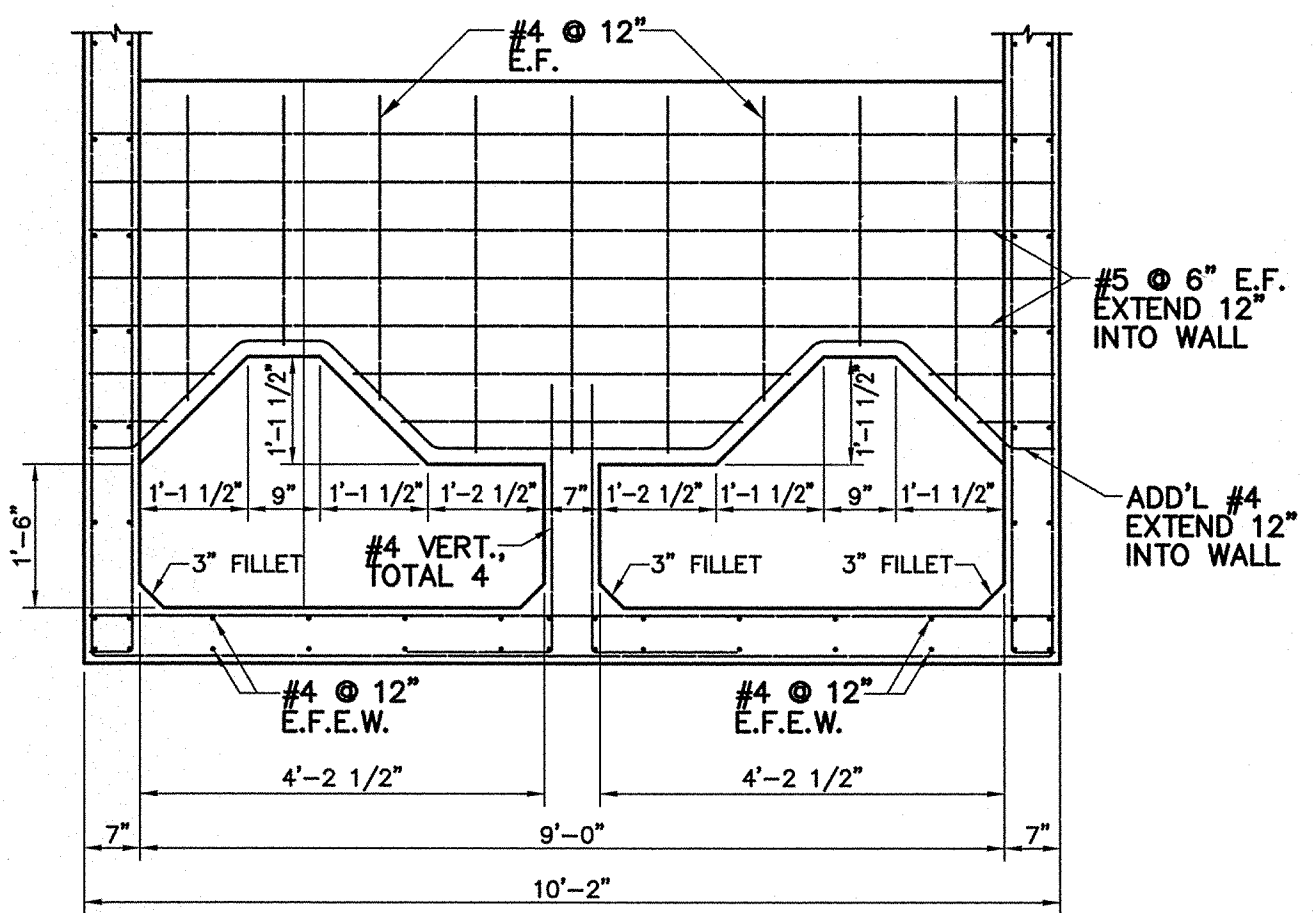


PLAN VIEW
SCALE: 1" = 2'-0"

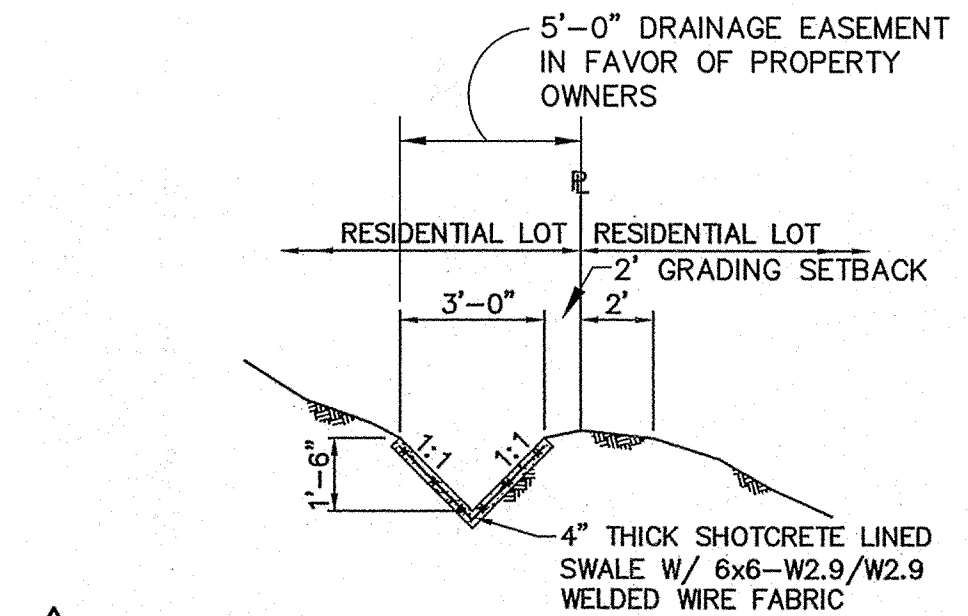


SECTION VIEW A - A
SCALE: 1" = 2'-0"

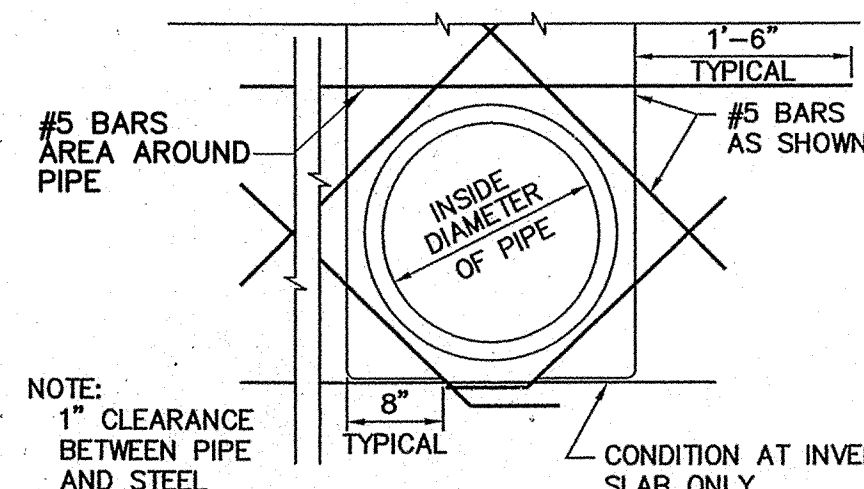
FIELD INLET "E1C" & "H3B"
SCALE: 1" = 2'-0"



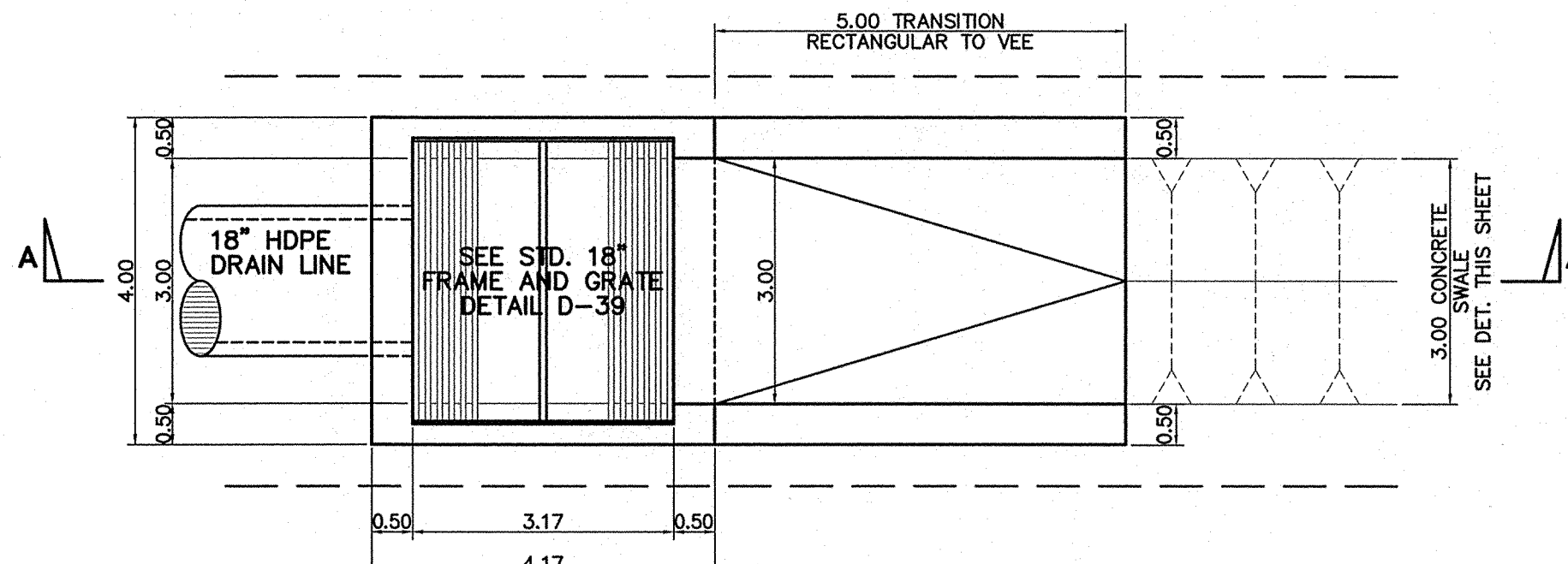
DETAIL 1
SCALE: 1" = 2'-0"



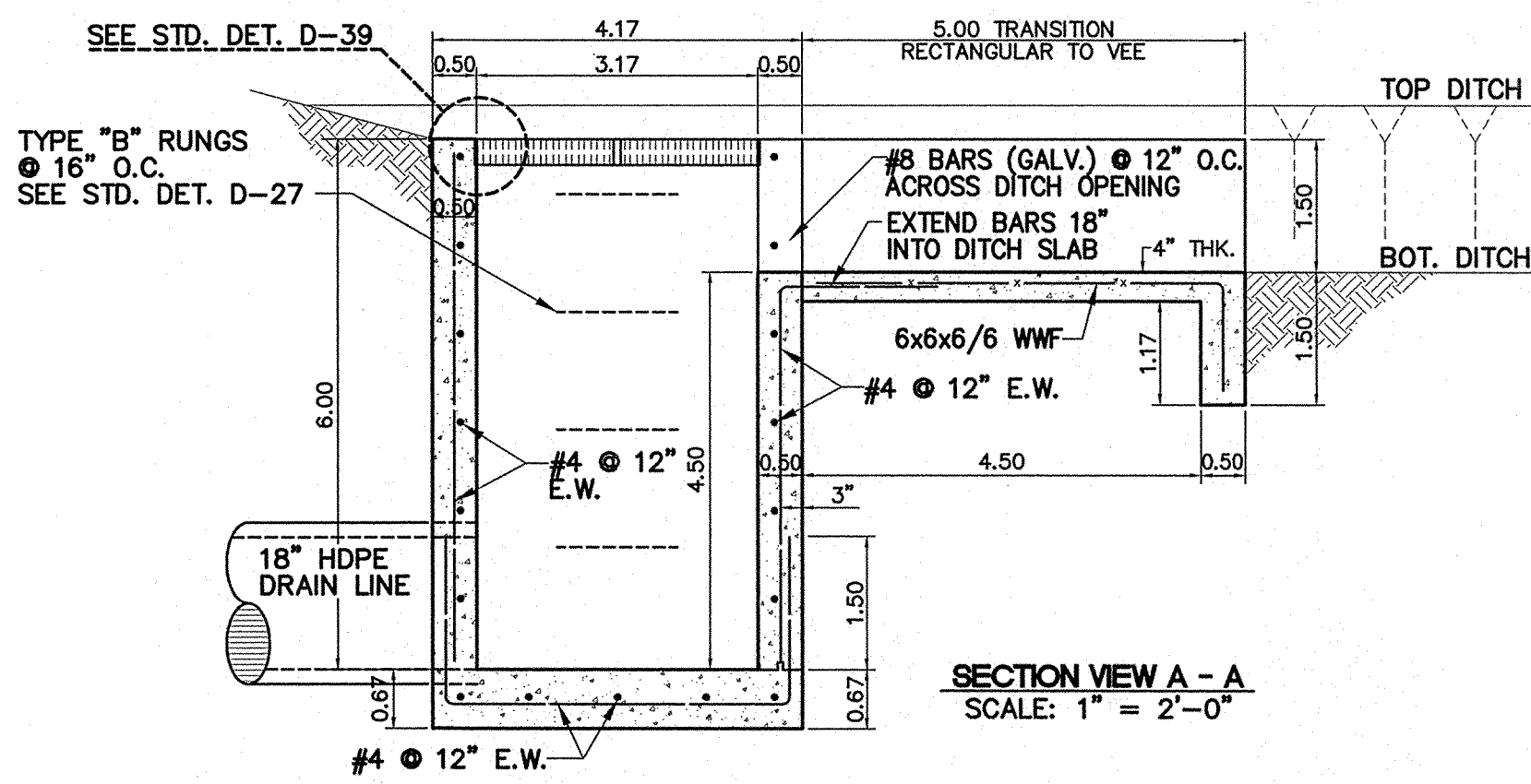
TYPICAL CONC. SWALE DETAIL
SCALE: N.T.S.



TYPICAL REINFORCEMENT AT PIPES
SCALE: N.T.S.



PLAN VIEW
SCALE: 1" = 2'-0"

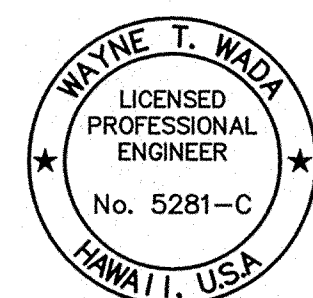


SECTION VIEW A - A
SCALE: 1" = 2'-0"

FIELD INLET "E3A"
SCALE: 1" = 2'-0"

REVISION	DATE	DESCRIPTION	BY	APPROVED
6-20-12		DRAINAGE DETAIL REVISIONS	WW	

REVISIONS



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PILANI MAI KE KAI SUBDIVISION
PHASE II

Anahola, Kauai, Hawaii

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DRAINAGE
DETAILS

APPROVED:

COUNTY ENGINEER, DEPT. OF PUBLIC WORKS,
COUNTY OF KAUAI DATE
N.A.
MANAGER & CHIEF ENGINEER, DEPT. OF WATER,
COUNTY OF KAUAI DATE

DESIGNED BY: WW
DRAWN BY: CG
DATE: 03/27/12

SHEET
C-34
34 OF 44 SHEETS