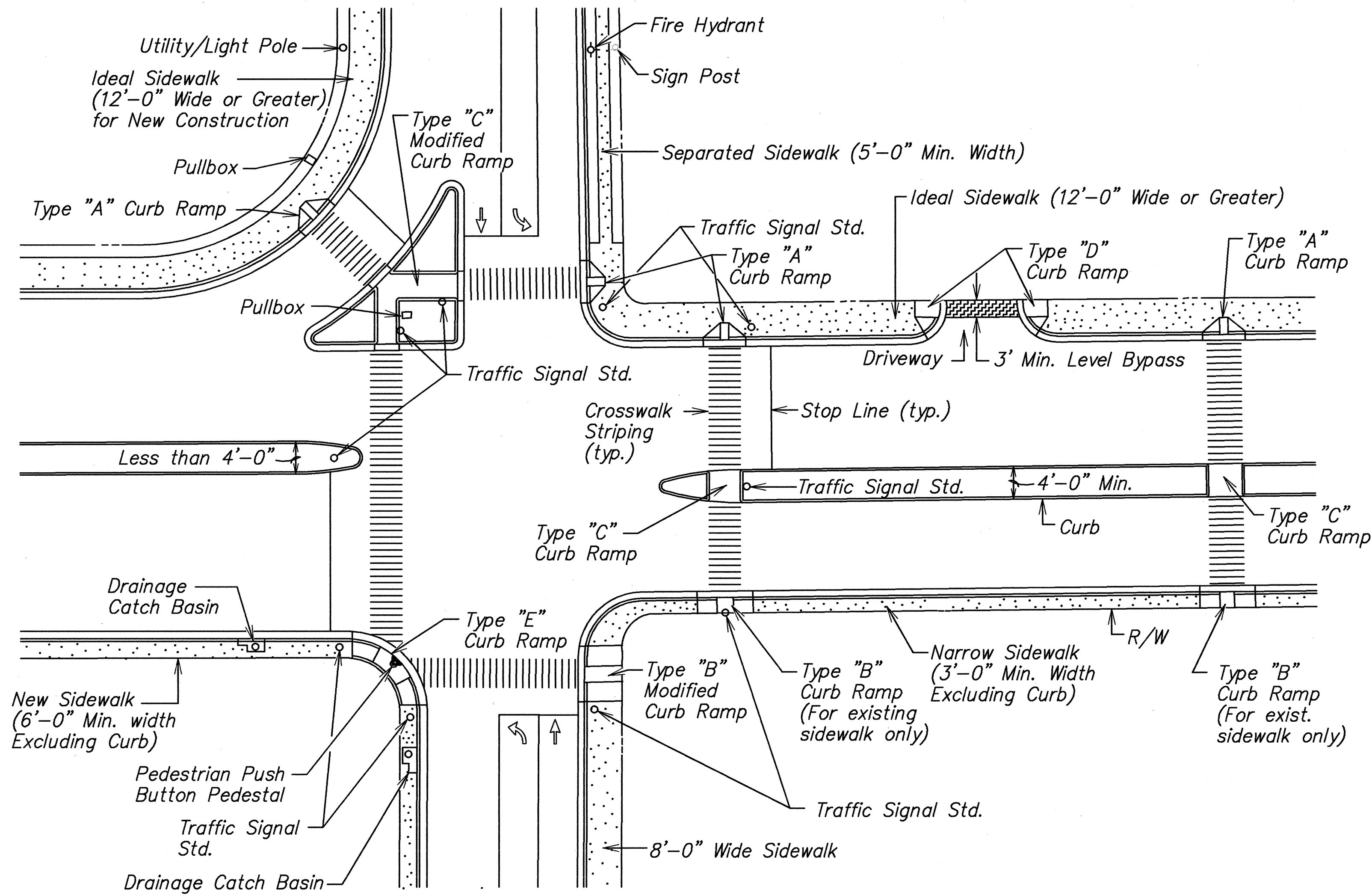
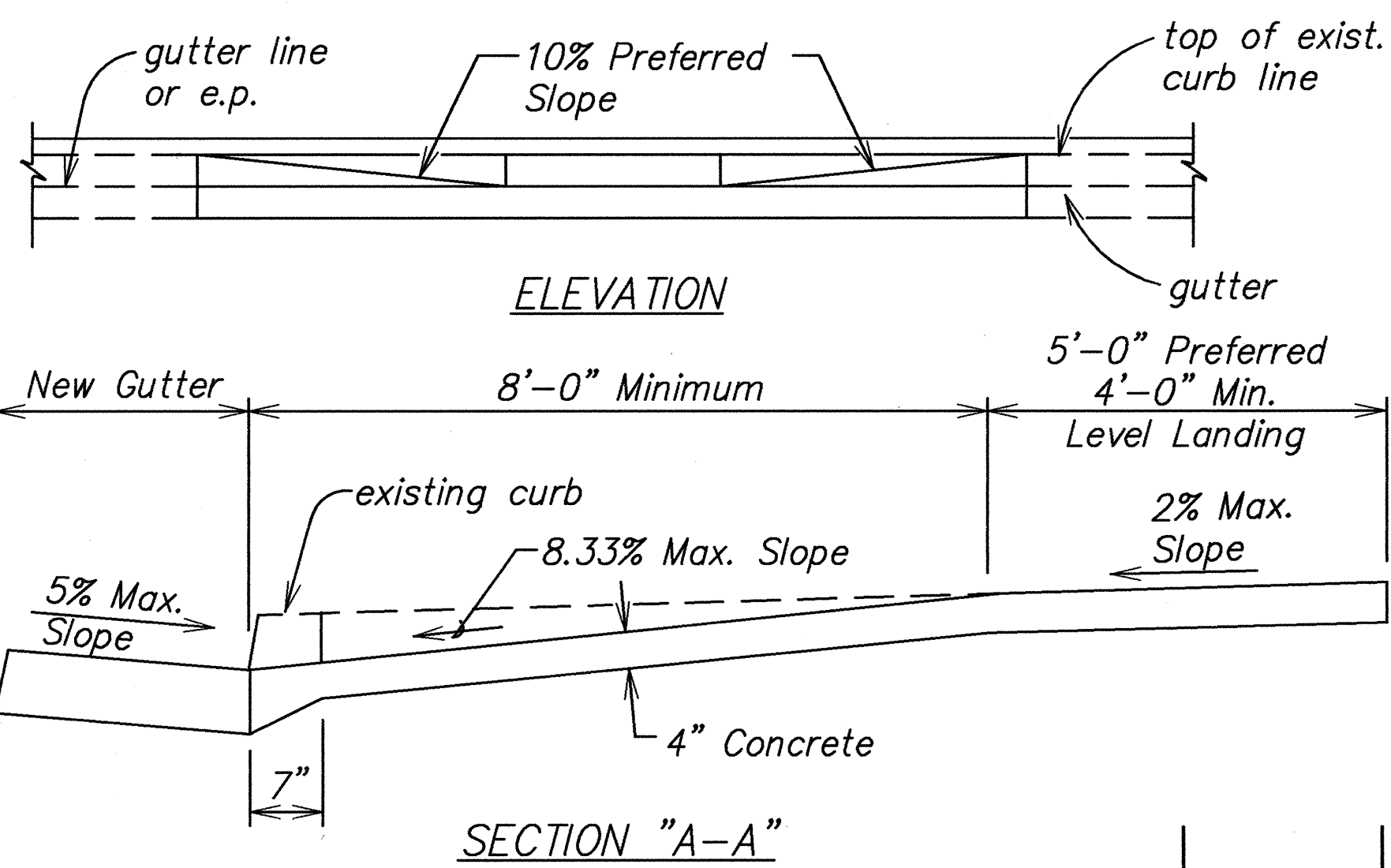
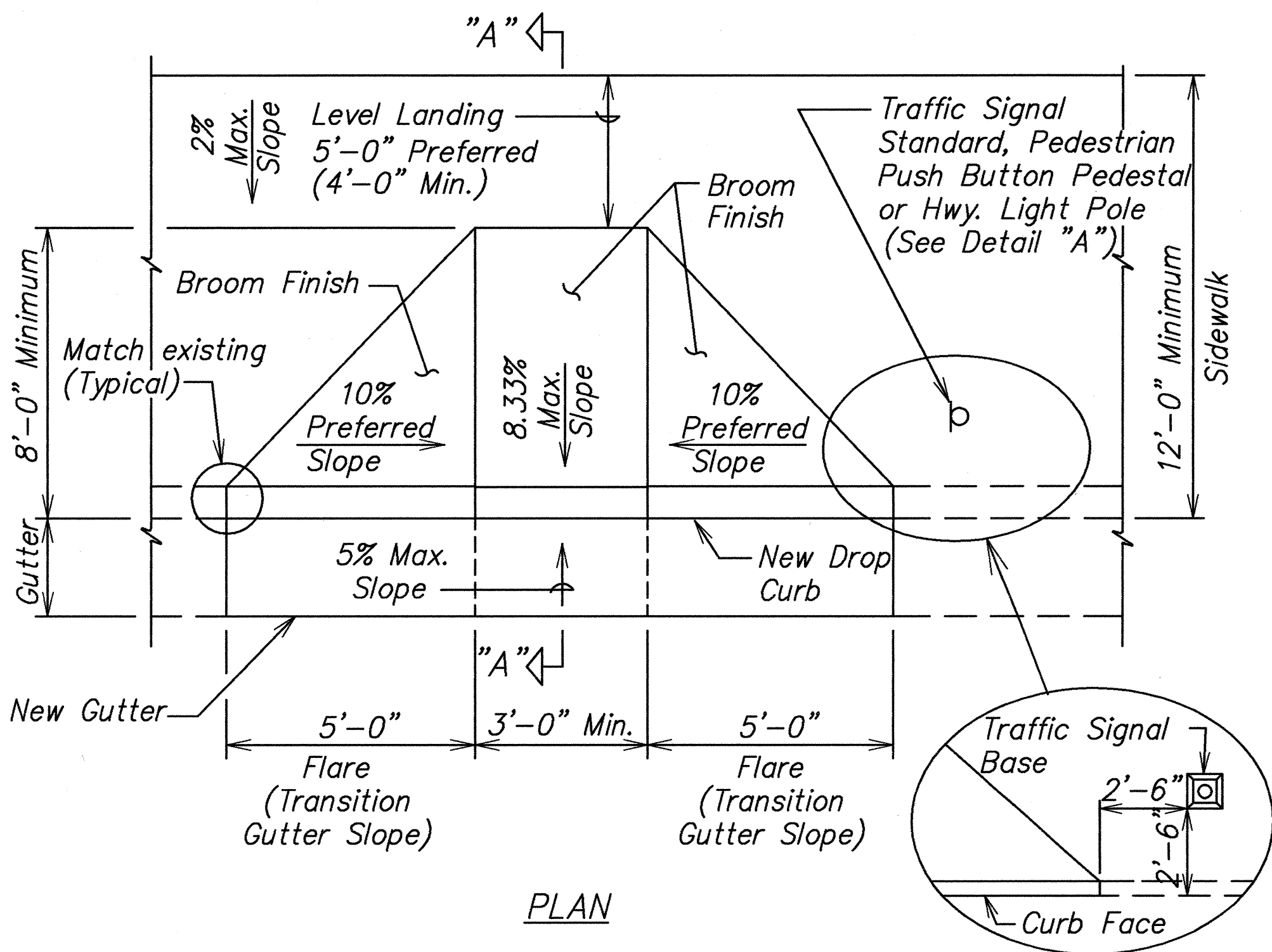
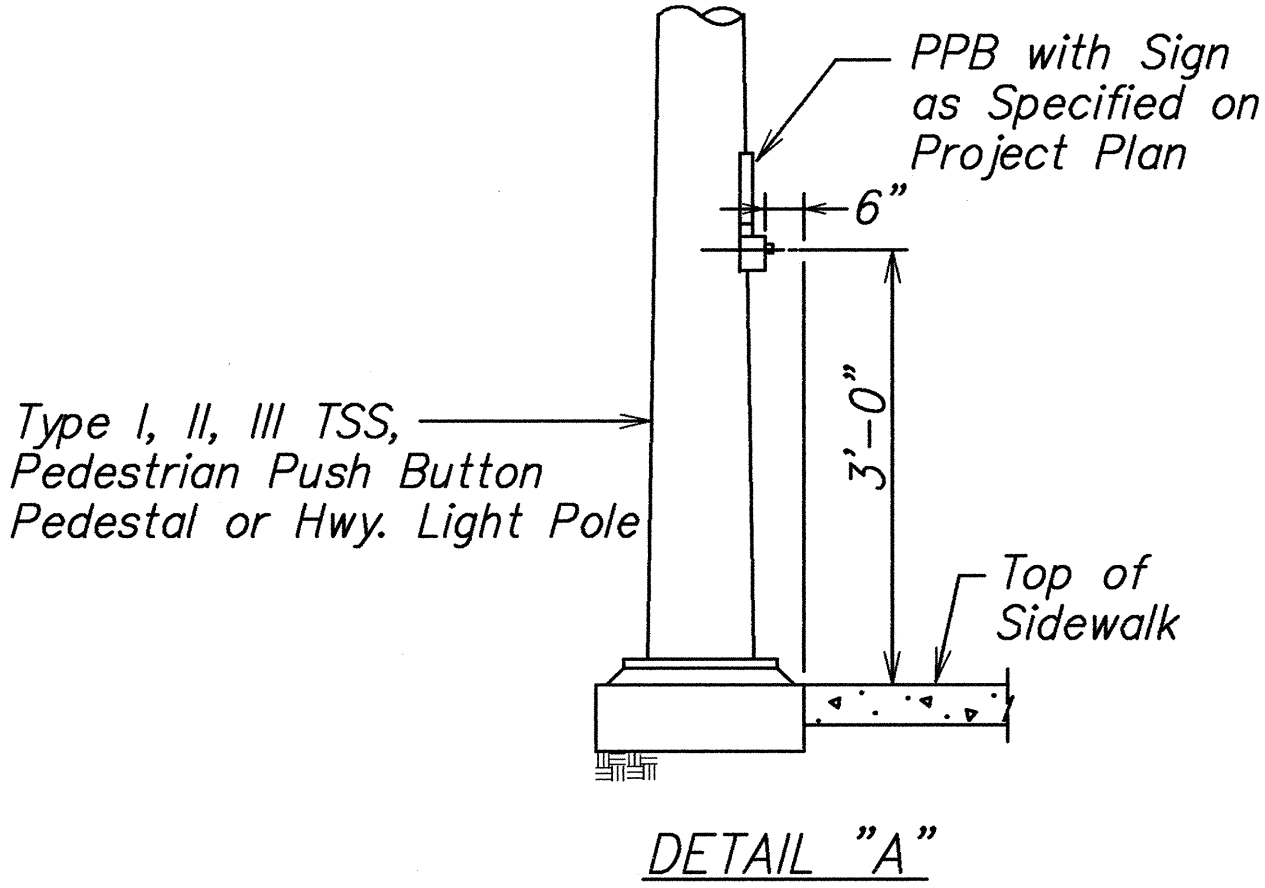


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-01-00M	2003	27	42



TYPICAL CURB RAMPS



CURB RAMP - TYPE "A"
SIDEWALK WIDTH 12'-0" OR GREATER

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CURB RAMP "A" DETAILS

KUHIO HIGHWAY RESURFACING
HARDY ST. TO KUENE RD.
Project No. 56A-01-00M

Scale: As shown Date: NOV. 2000

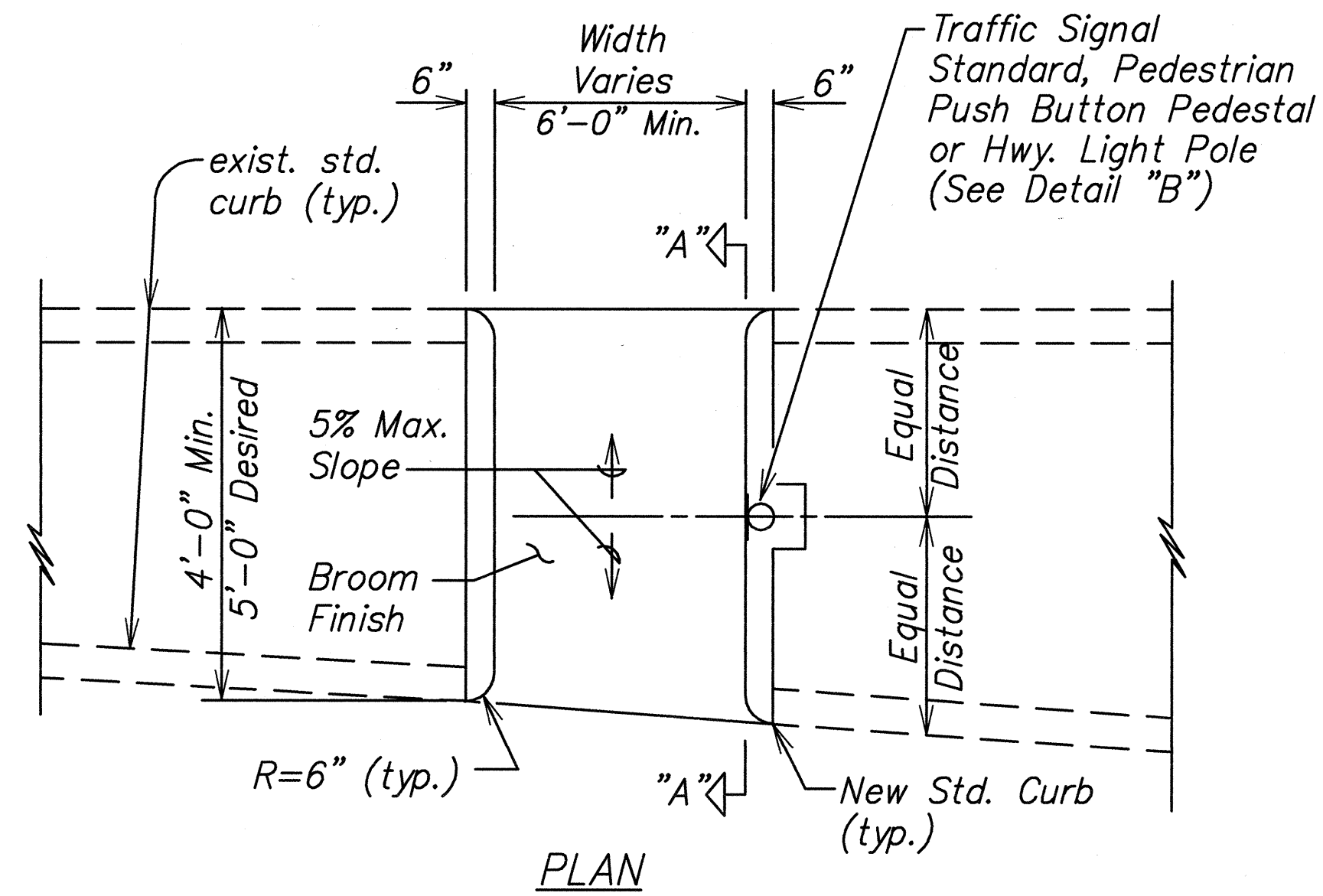
SHEET No. 2 OF 17 SHEETS

P.M.: BKM
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LAST MODIFIED: Thu, 28 Mar 2002 - 2:13pm

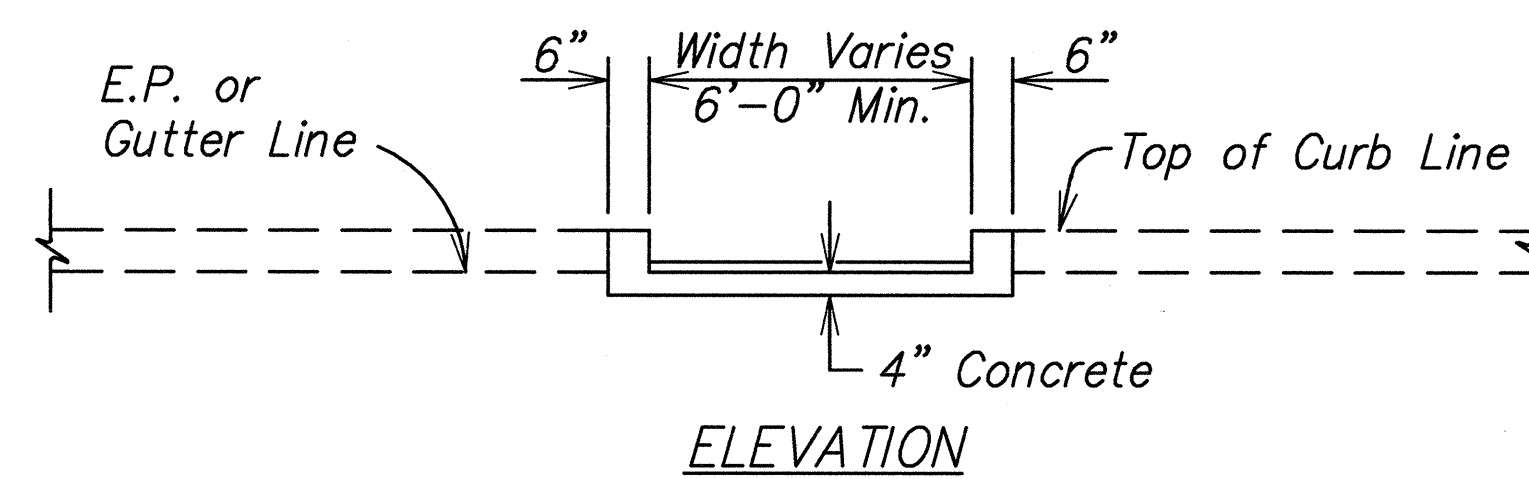
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FILE: curbramp.dwg
BEGIN: 3/31/2000
SCALE: 1=1

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-01-00M	2003	29	42

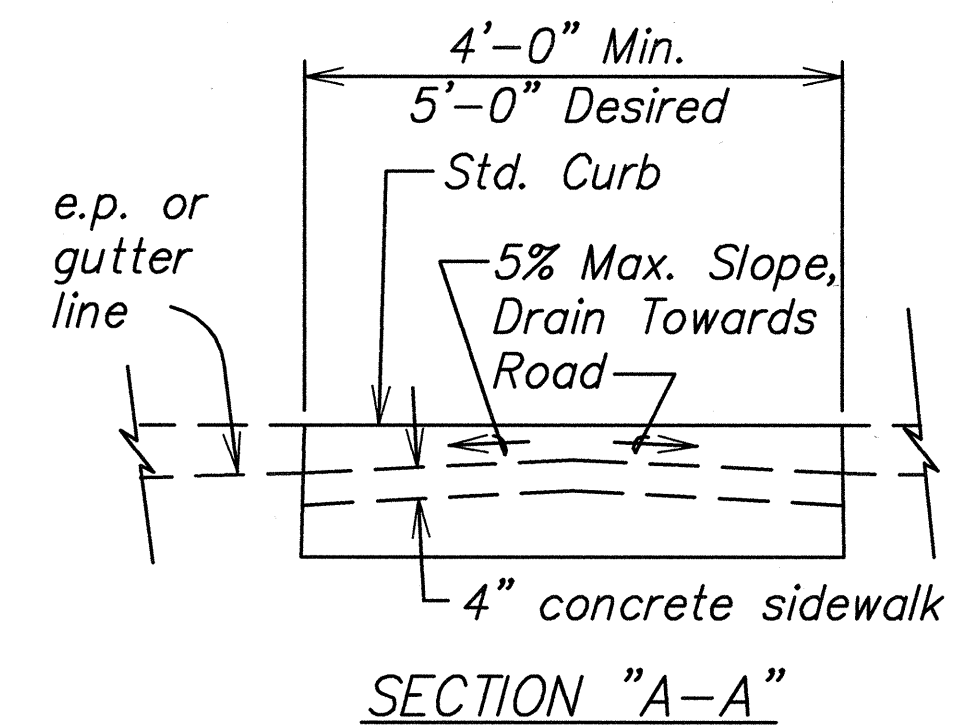


PLAN

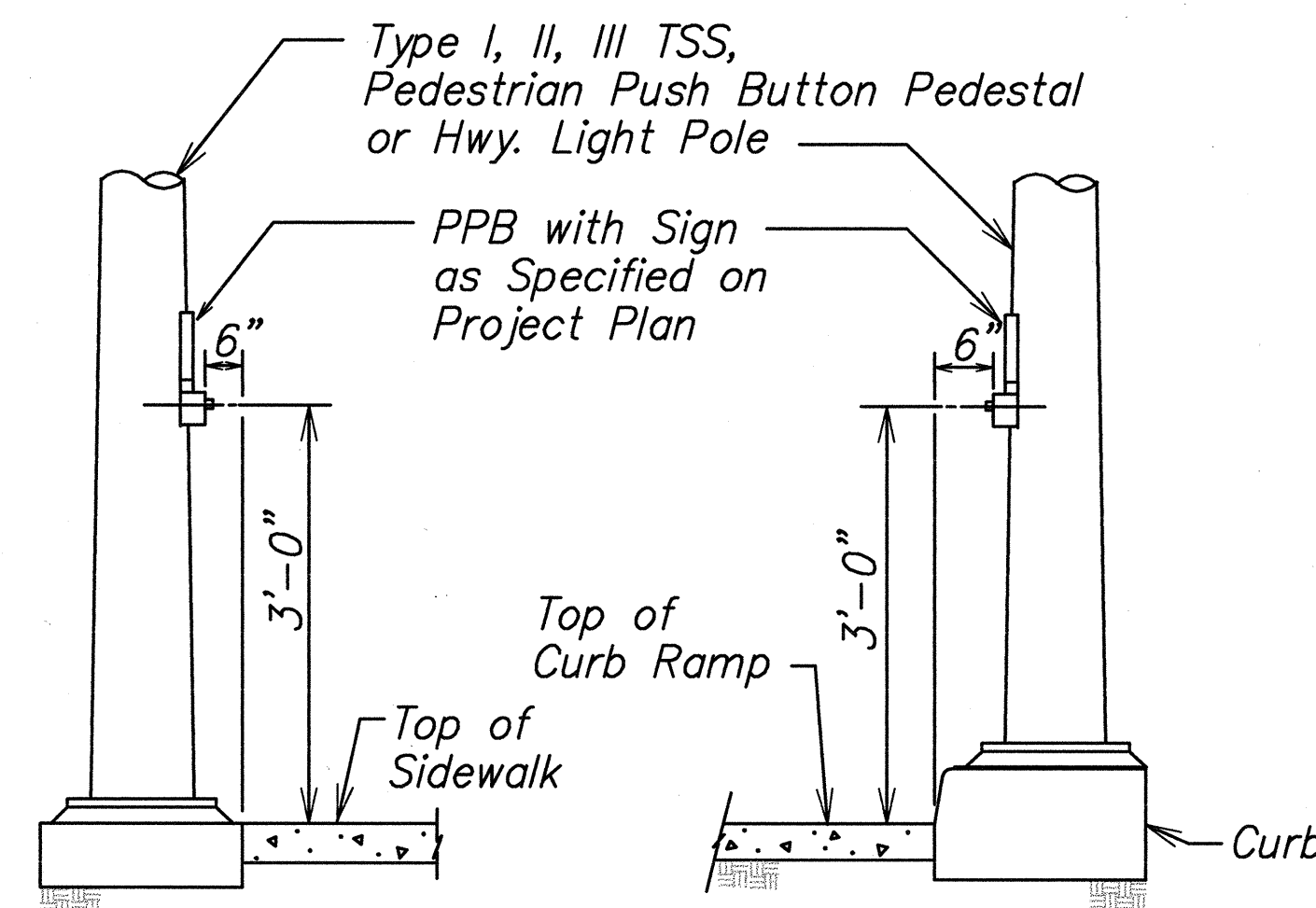


CURB RAMP - TYPE "C"

USE AT MEDIAN CROSSINGS, ISLANDS

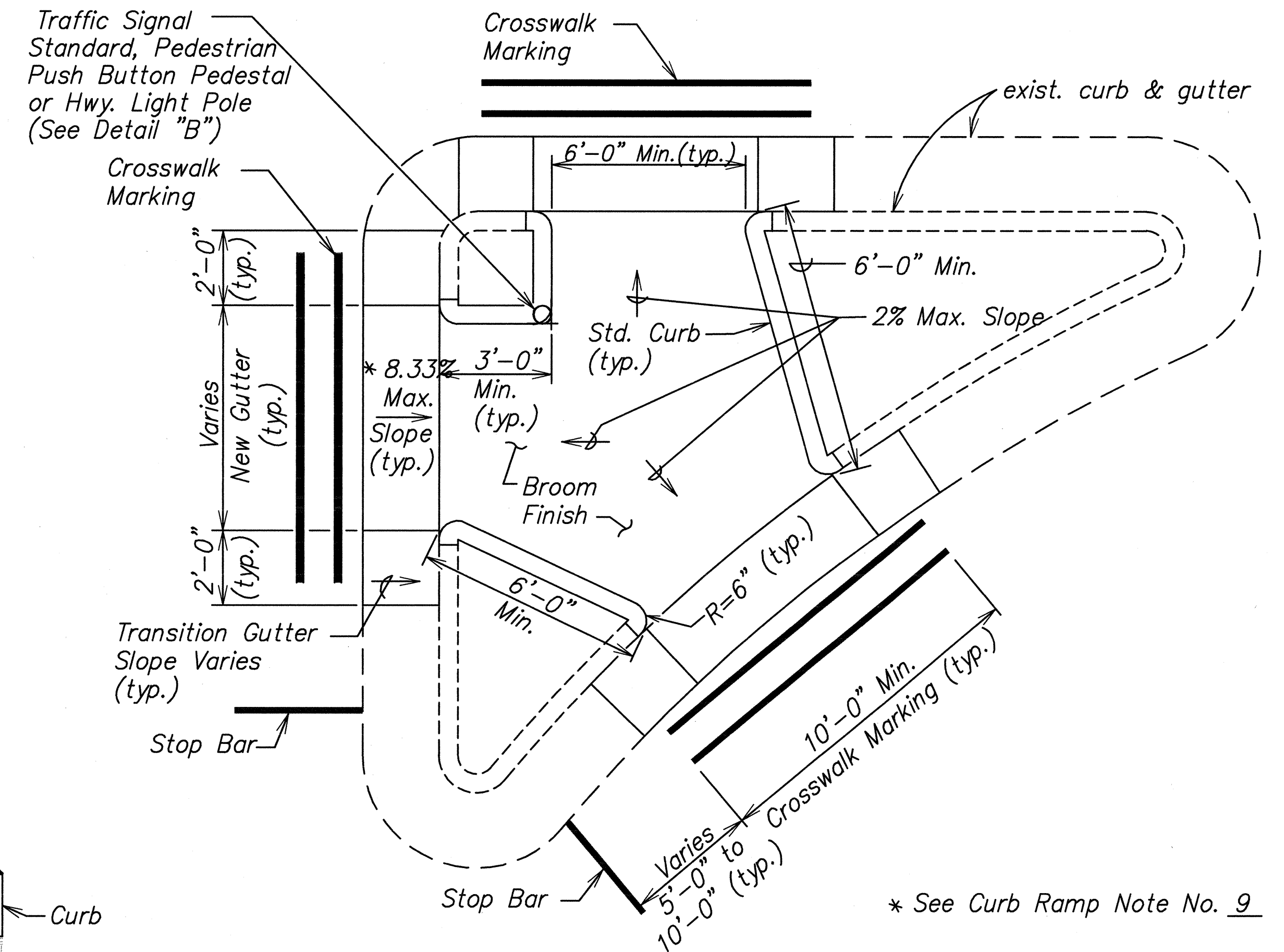


SECTION "A-A"



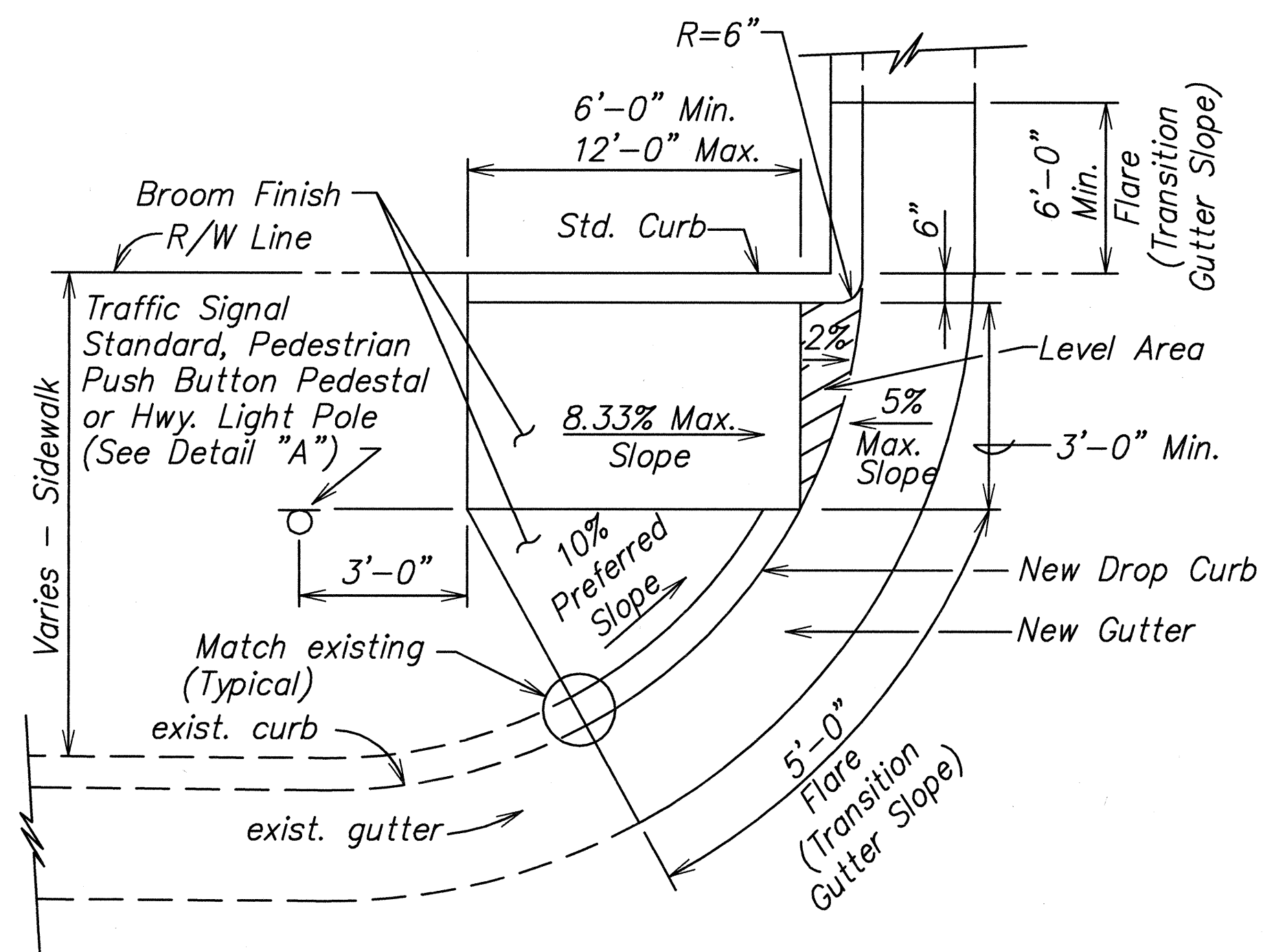
DETAIL "A"

DETAIL "B"

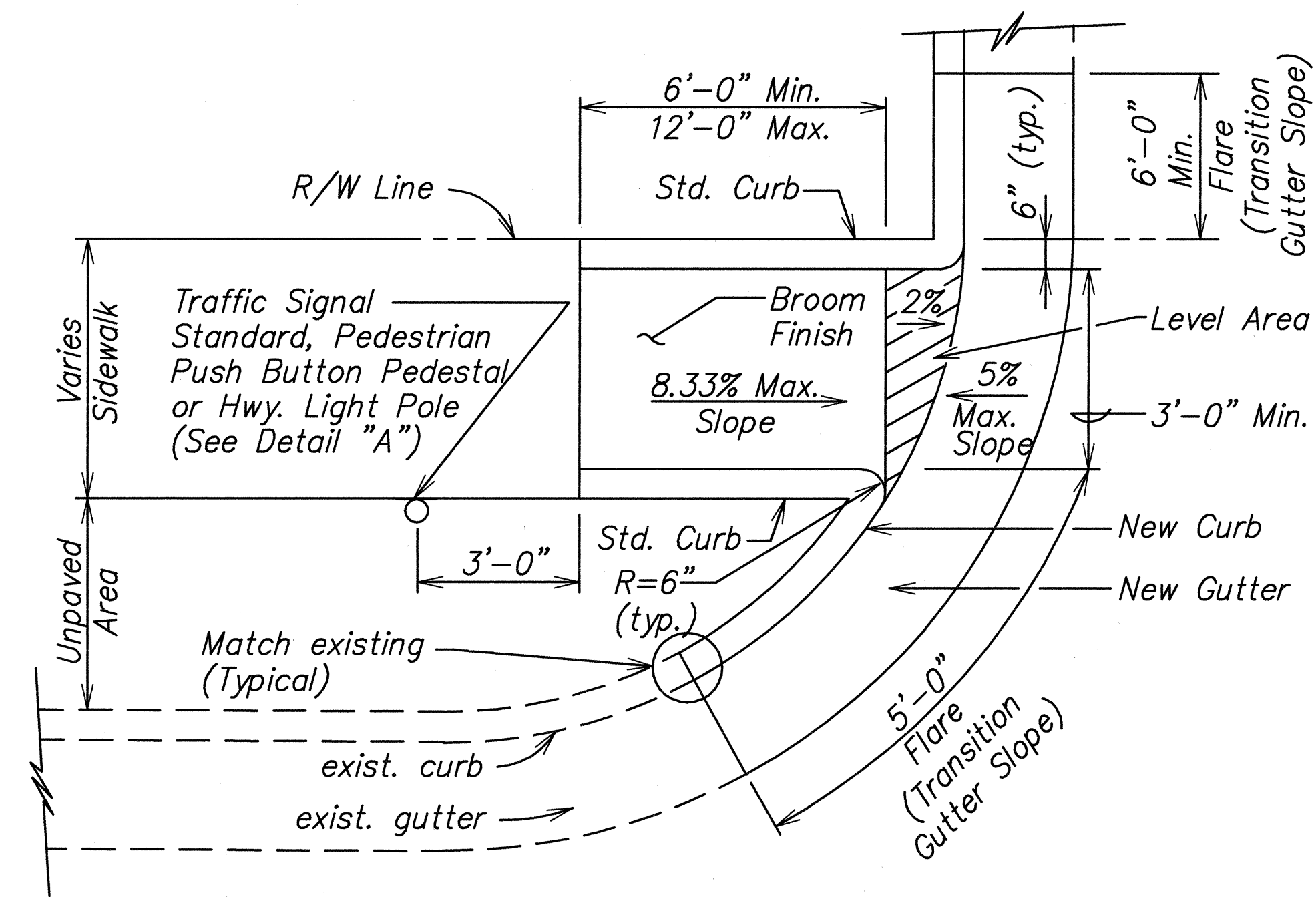


CURB RAMP - TYPE "C" MODIFIED

* See Curb Ramp Note No. 9



CURB RAMP - TYPE "D"



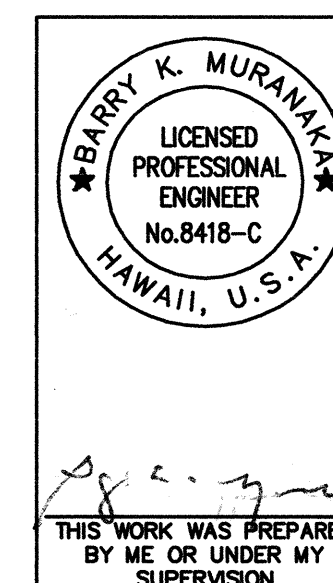
CURB RAMP - TYPE "D" MODIFIED

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PREV. OPR:
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LAST SAVED BY:
LAST MODIFIED: Thu, 20 Dec 2001 — 2:03pm

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FILE: curbramped.dwg
BEGIN: 3/31/2000
SCALE: 1=1

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

DATE	REVISION

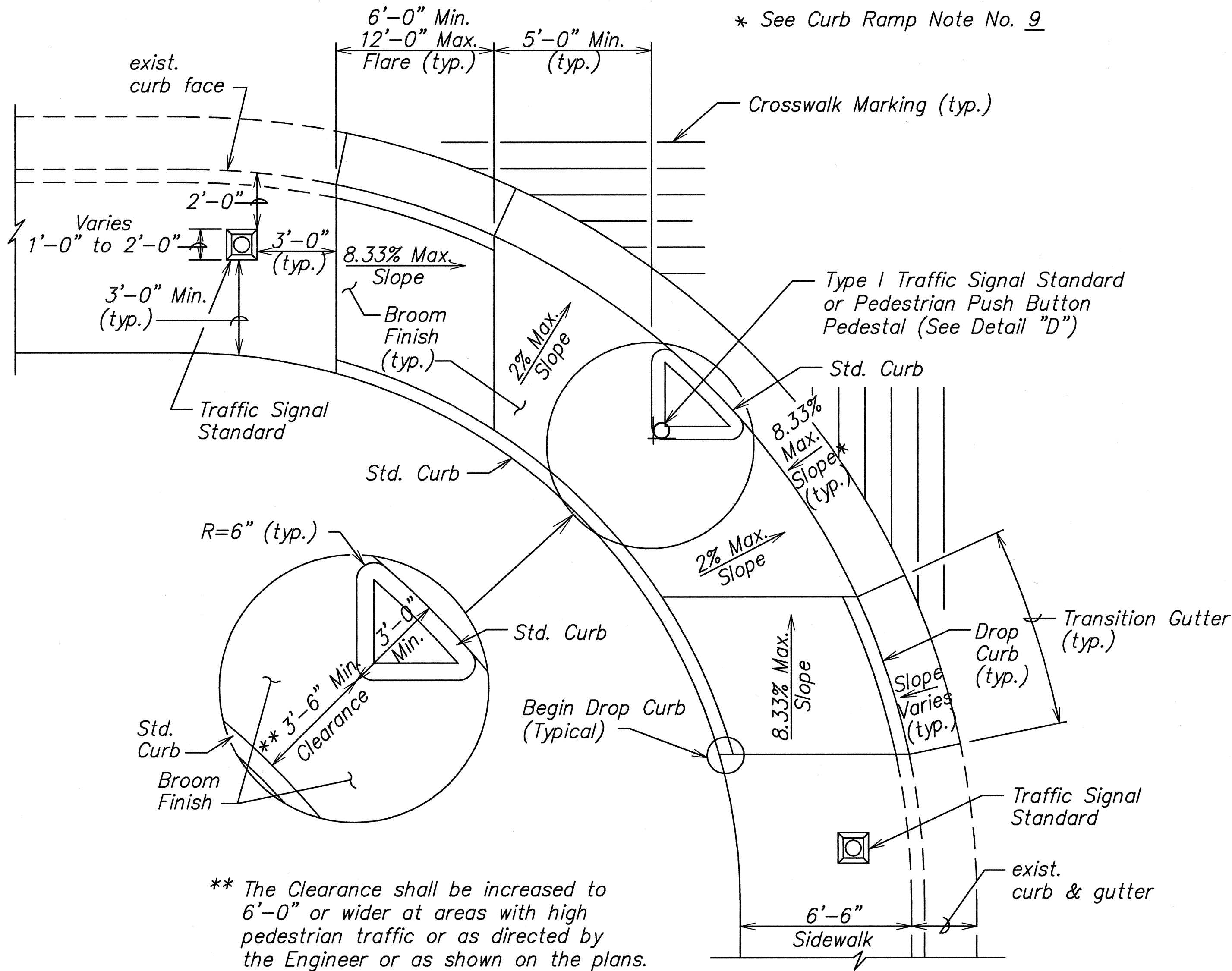


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CURB RAMP "C" & "D"
DETAILS
KUHIO HIGHWAY RESURFACING
HARDY ST. TO KUENE RD.
Project No. 56A-01-00M

ED	Scale: As shown	Date: NOV. 2000
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SHEET No. 4 OF 17 SHEETS

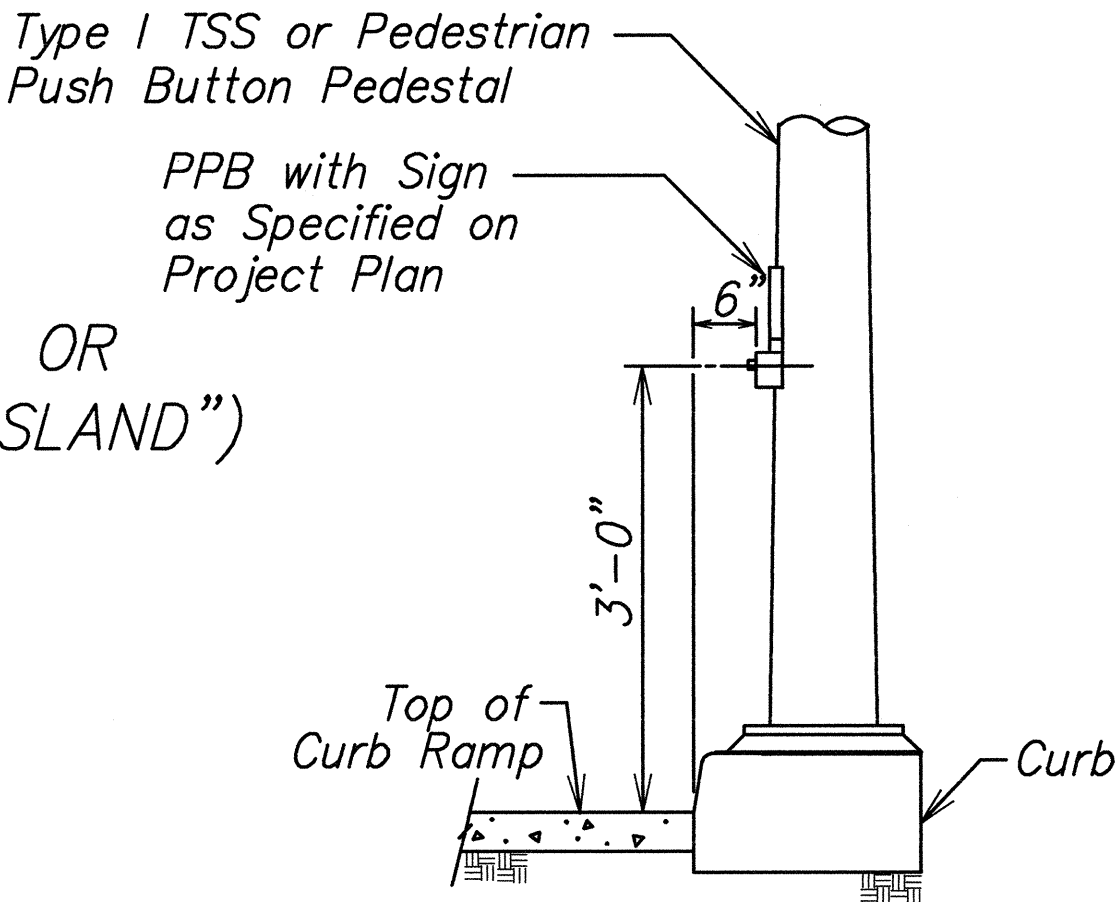
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-01-00M	2003	30	42



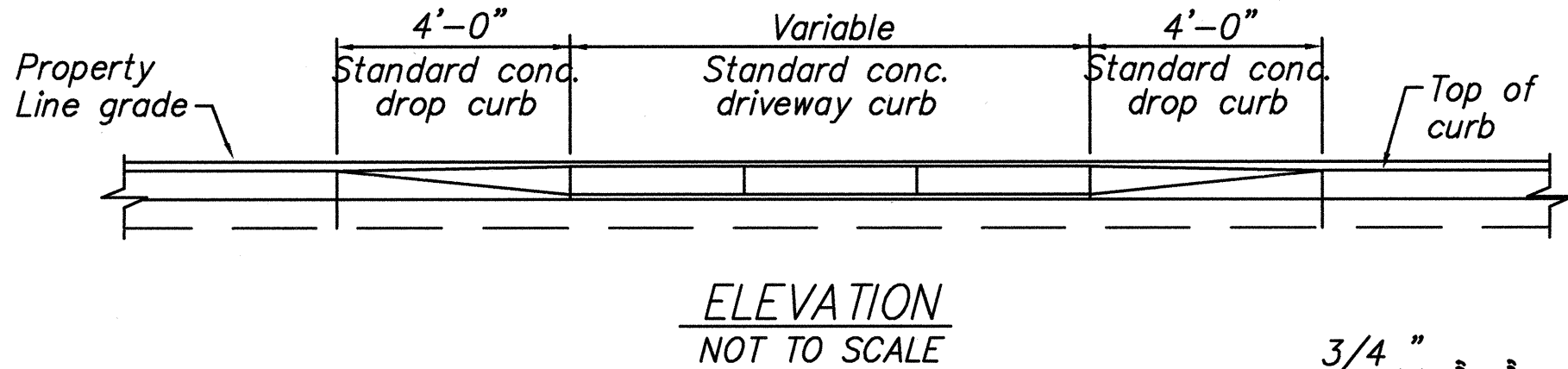
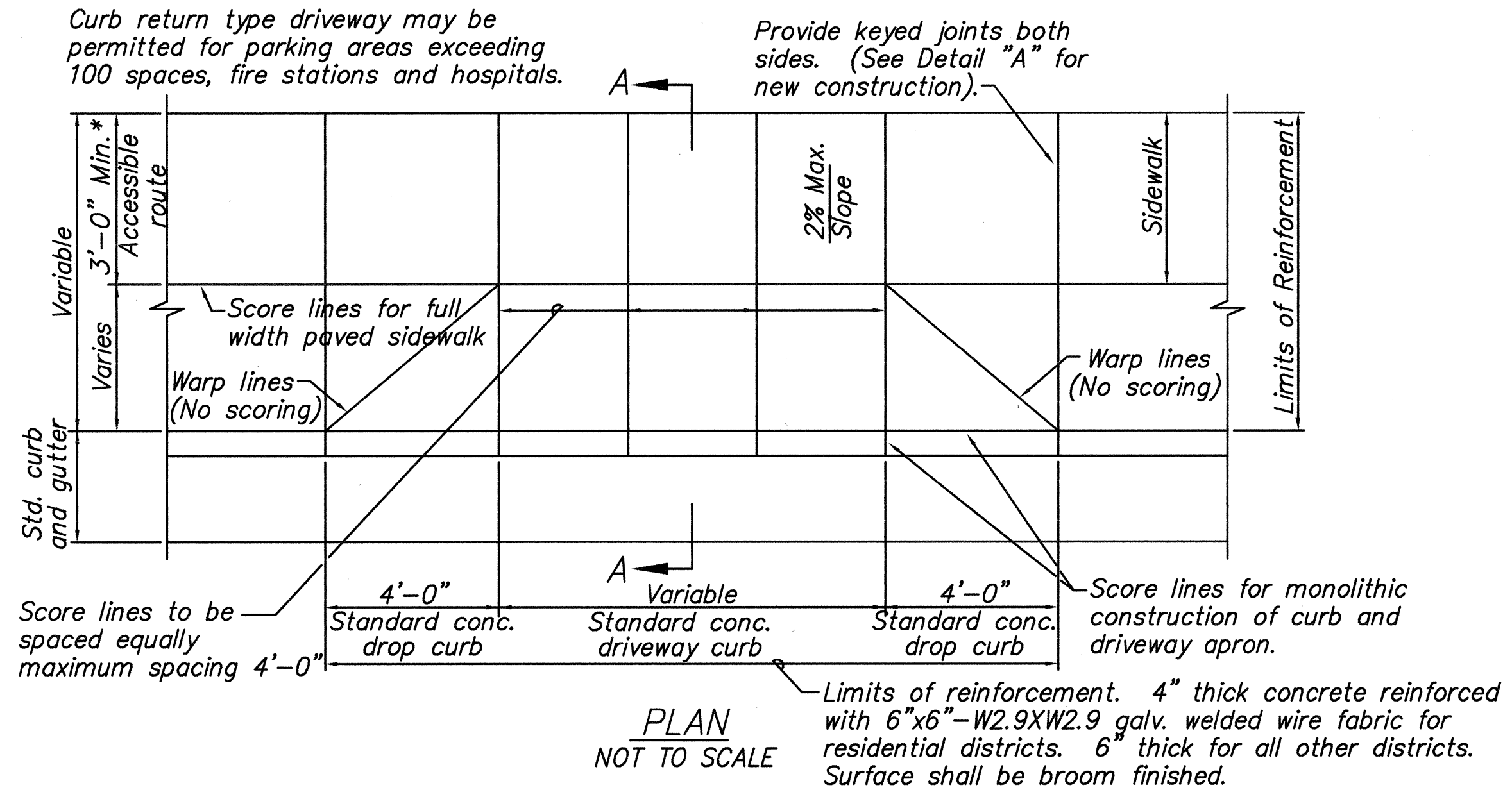
** The Clearance shall be increased to 6'-0" or wider at areas with high pedestrian traffic or as directed by the Engineer or as shown on the plans.

CURB RAMP - TYPE "E"
SIDEWALK WIDTH 7'-0" OR GREATER

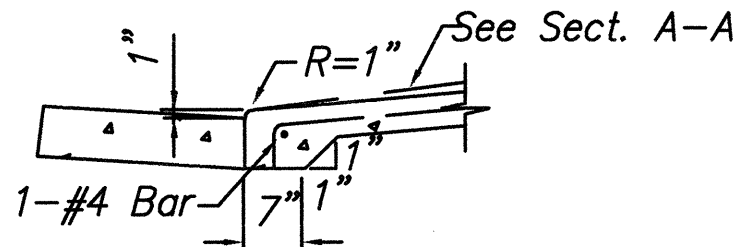
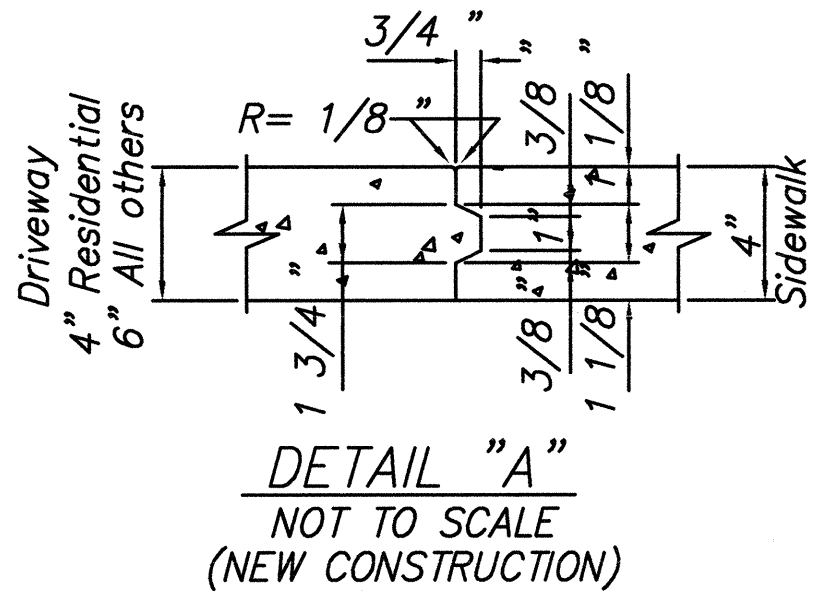
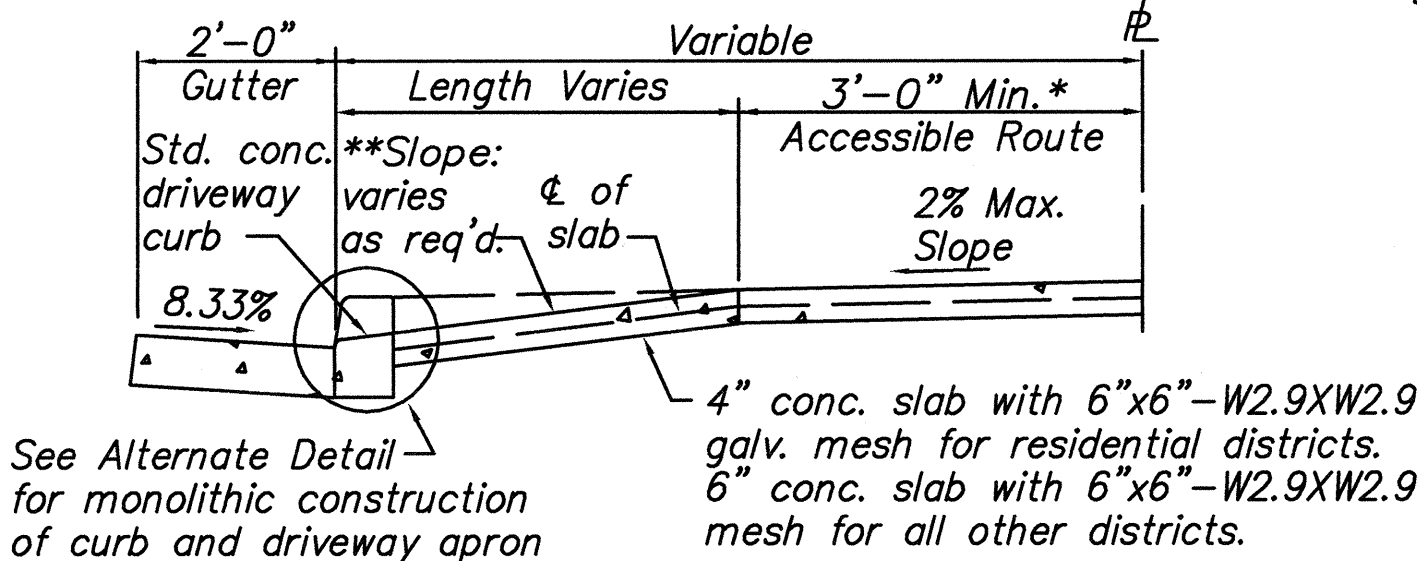
(TO BE USED ONLY WITH TRAFFIC SIGNAL STANDARD OR PEDESTRIAN PUSH BUTTON PEDESTAL ON TRIANGULAR "ISLAND")



DETAIL "D"



- * Match width of existing sidewalk whenever possible.
- ** Breakover and departure angles should not exceed 10 degrees or 17%.



NOTE:
For extension to existing driveway, scoring and finish shall match existing scoring and finish. For driveway constructed in built up areas, scoring conforming to scoring at adjacent driveways may be authorized.

DRIVEWAY APRON

P.M.: BKM
CURRENT OPR: c.j.
PREV. OPR:
CURRENT TIME: Jul 05, 2002 - 9:26am
LAST SAVED BY:
LAST MODIFIED: Thu, 20 Dec 2001 - 2:58pm

PREFIX: G:\Coe9901\Acad\
FILE: curbramp.dwg
BEGIN: 3/31/2000
SCALE: 1=1

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
NO.	

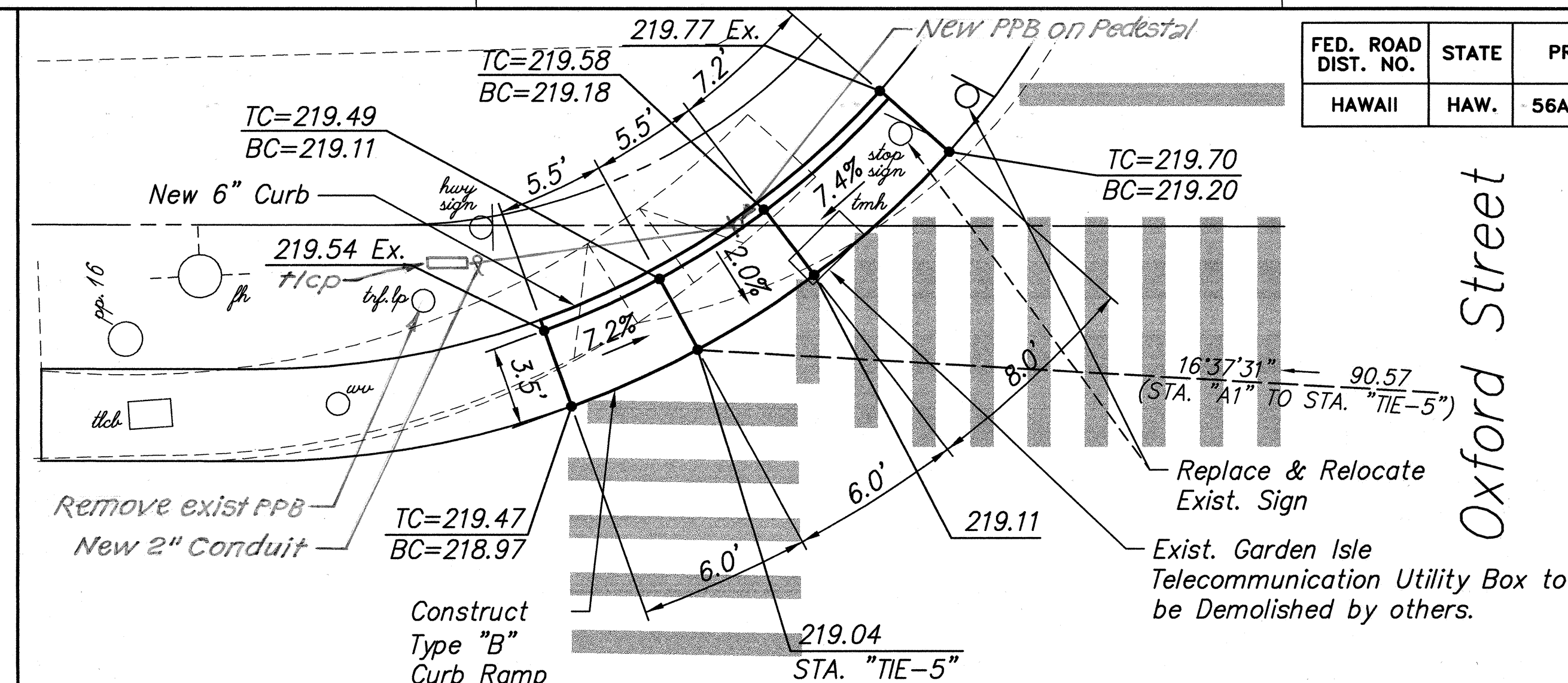
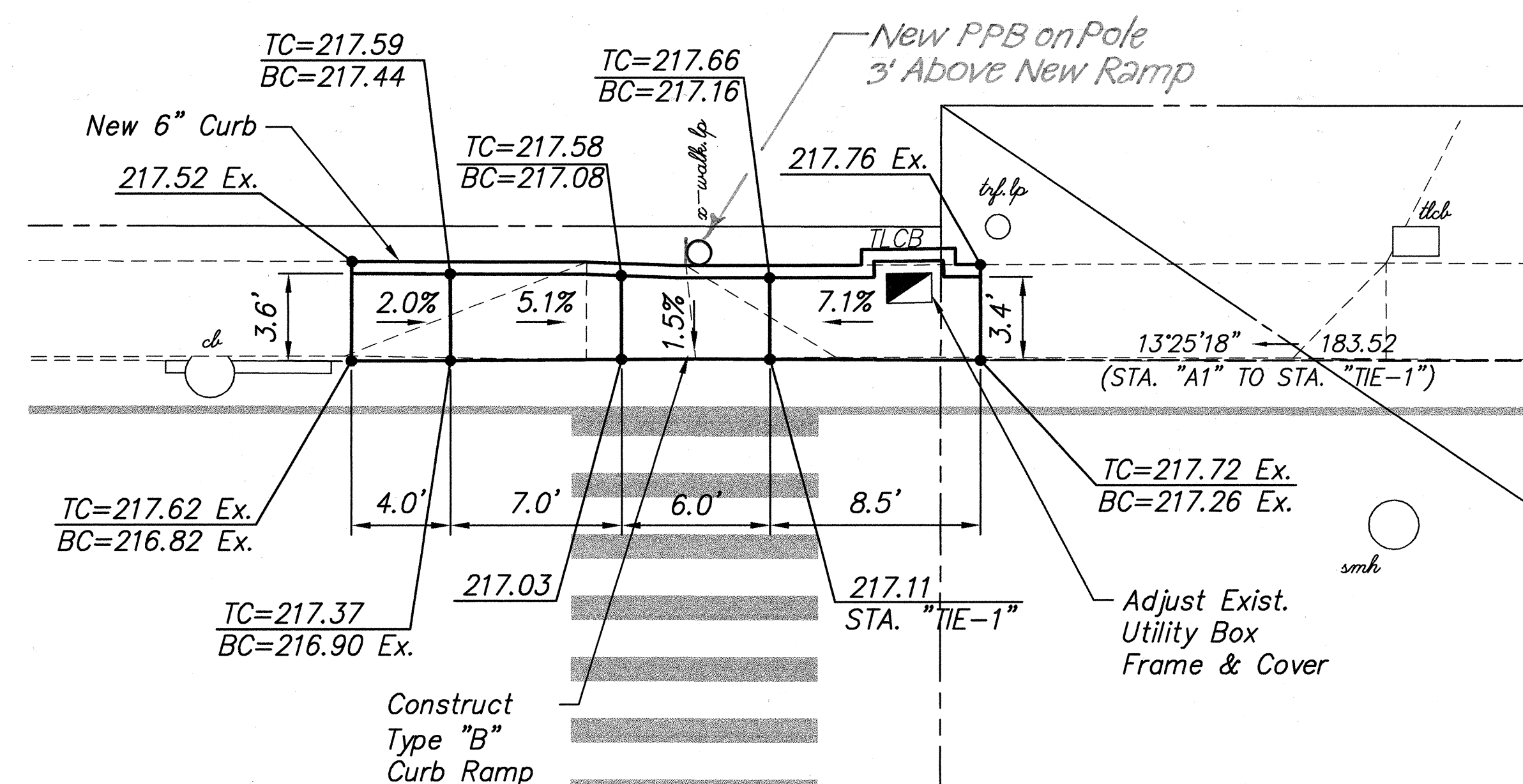


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CURB RAMP "E" DETAILS
KUHIO HIGHWAY RESURFACING
HARDY ST. TO KUENE RD.
Project No. 56A-01-00M

Scale: As shown Date: NOV. 2000
SHEET No. 5 OF 17 SHEETS

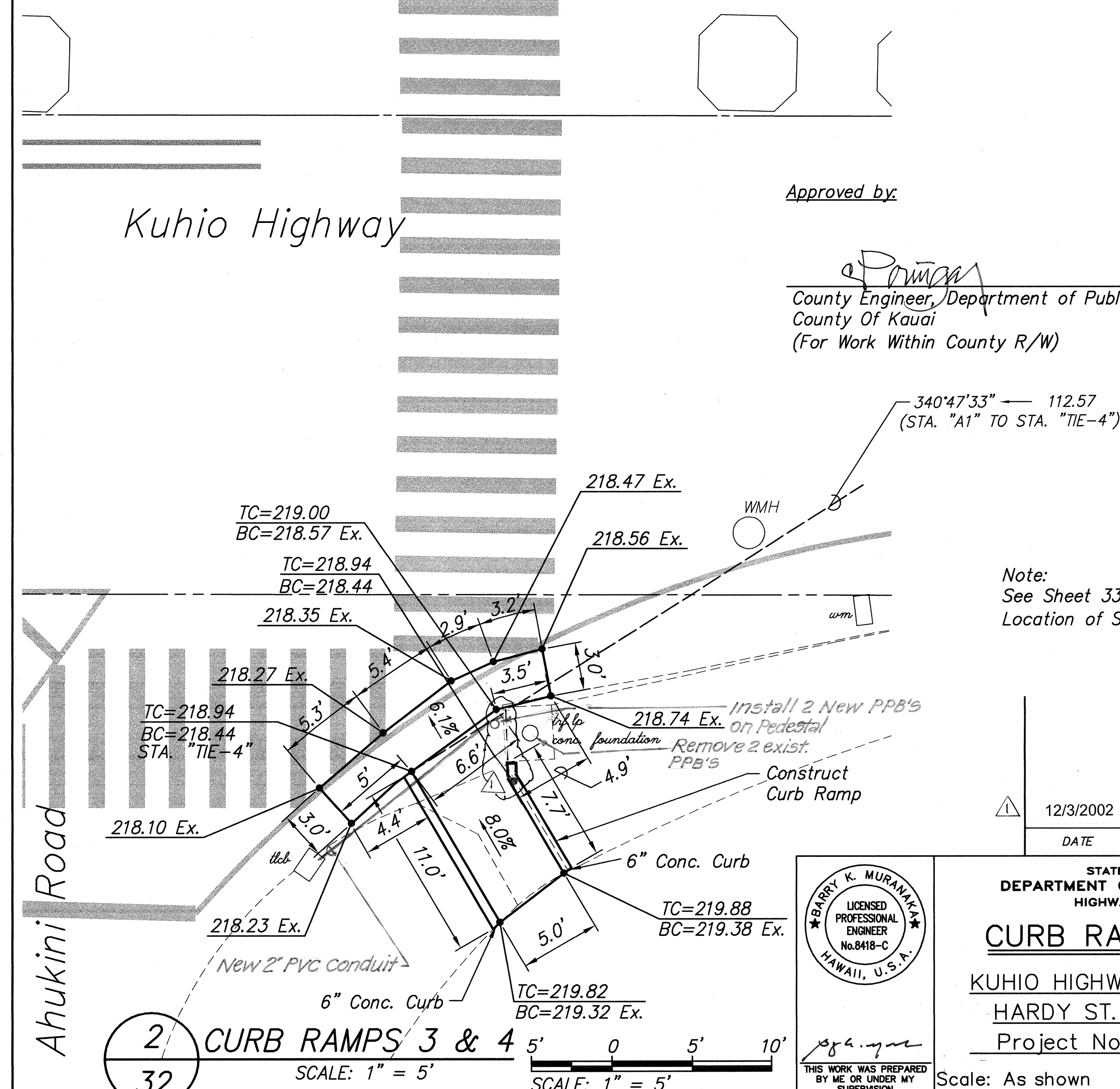
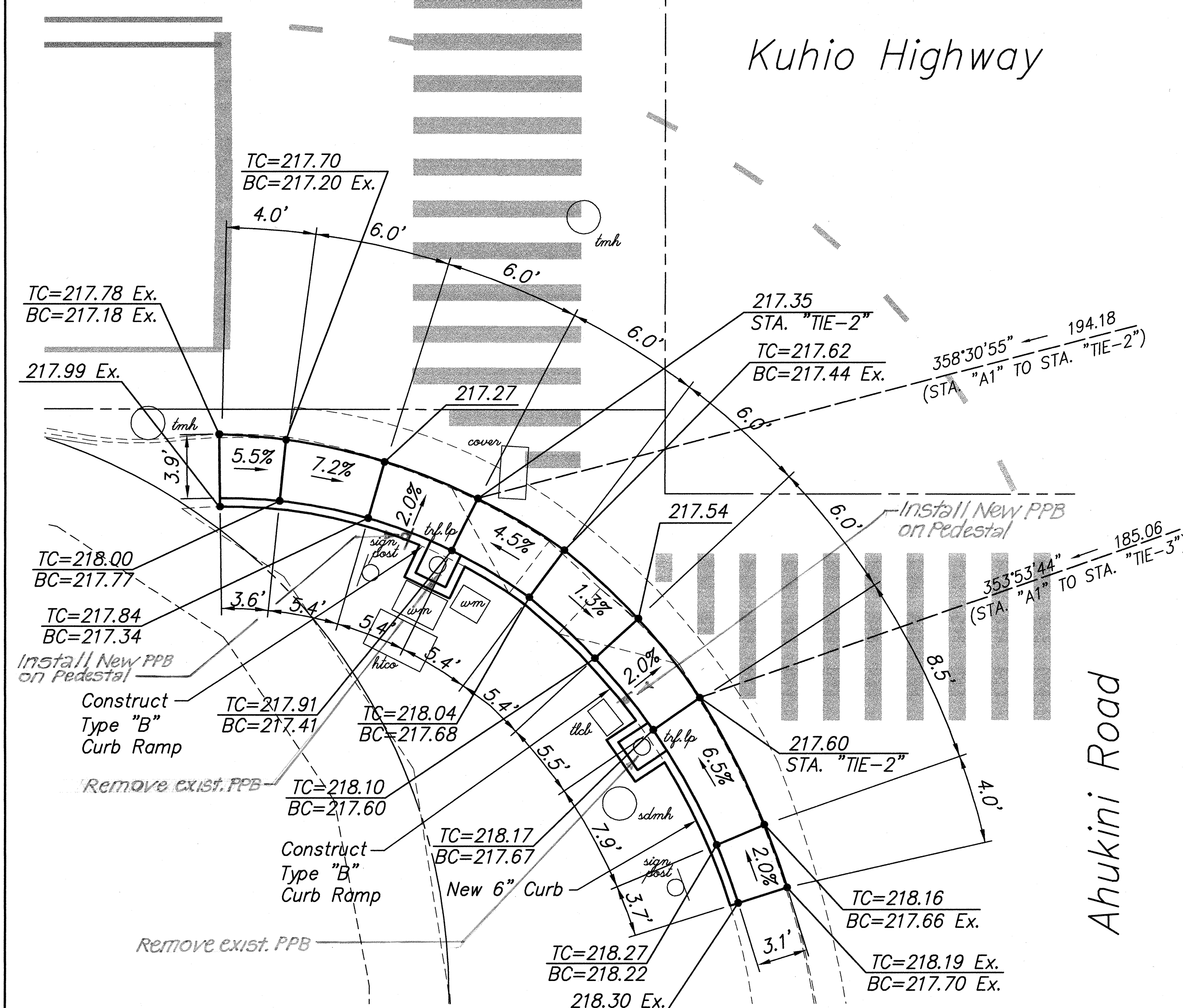
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
HAWAII	HAW.	56A-01-00M	2003	32	42



Oxford Street

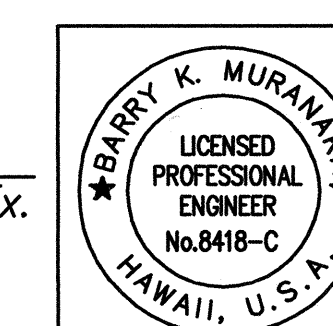
Approved by:

P. Poma 4/22/07
County Engineer, Department of Public Works Date
County Of Kauai
(For Work Within County R/W)



Note:
See Sheet 33 for
Location of Sta. "A1".

	12/3/2002	Revise Curb Ramp No. 4
	<i>DATE</i>	<i>REVISION</i>



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CURB RAMP DETAILS

KUHIO HIGHWAY RESURFACING
HARDY ST. TO KUENE RD.
Project No. 56A-01-00M

Scale: As shown Date: NOV. 2000

SHEET No. 7 OF 17 SHEETS

ADD. 32

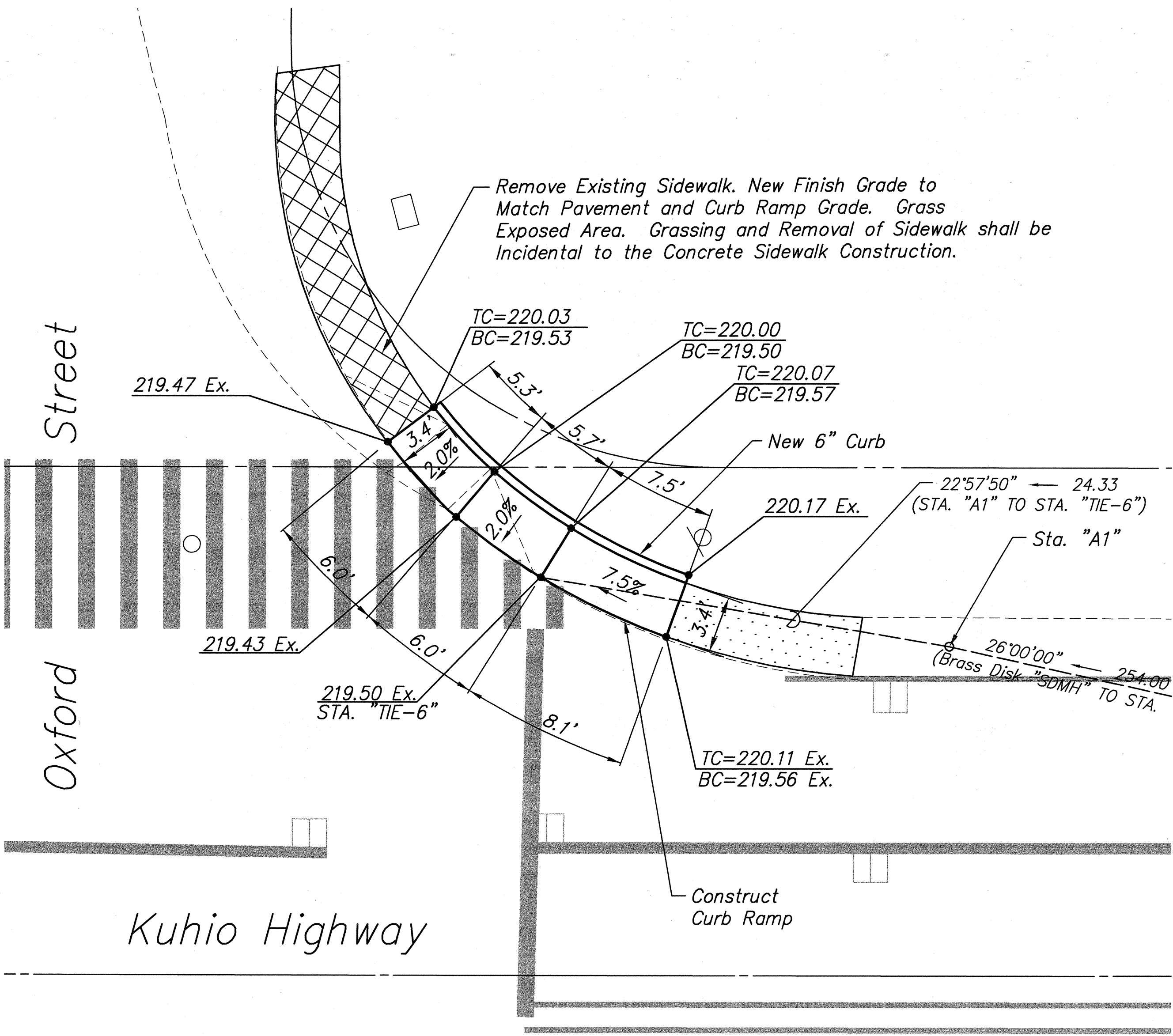
AS-BUILT

P.M.: BKM
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REV. OPER:
CURRENT TIME: Mar 25, 2002 - 2:40pm
LAST SAVED BY: rgq
LAST MODIFIED: Thu, 20 Dec 2001 - 1:15pm

PREFIX: G:\Coe9901\Acad\
FILE: coe99140.dwg
BEGIN: 3/31/2000
SCALE: 1=1

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-01-00M	2003	33	42



1 CURB RAMP 5
33 SCALE: 1" = 5'

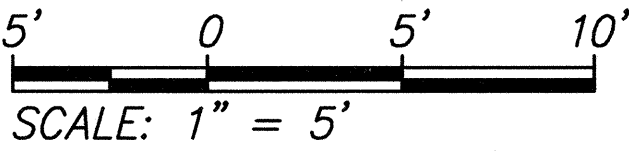
Note:
See Road Plan, Sht. 10 for
Location of Brass Disk "SDMH".

Approved by: *[Signature]* 4/22/02 Date
County Engineer, Department of Public Works
County Of Kauai
(For Work Within County R/W)

P.M.: BKM
CURRENT OPR: mkf
PREV. OPR:
CURRENT TIME: Mar 28, 2002 - 10:26am
LAST SAVED BY: rrg
LAST MODIFIED: Thu, 28 Mar 2002 - 10:24am

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FILE: coe99141.dwg
BEGIN: 3/31/2000
SCALE: 1=1

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PLAN	DESIGNED BY	" "
NOTE BOOK	CHECKED BY	" "
No.	CHECKED BY	" "

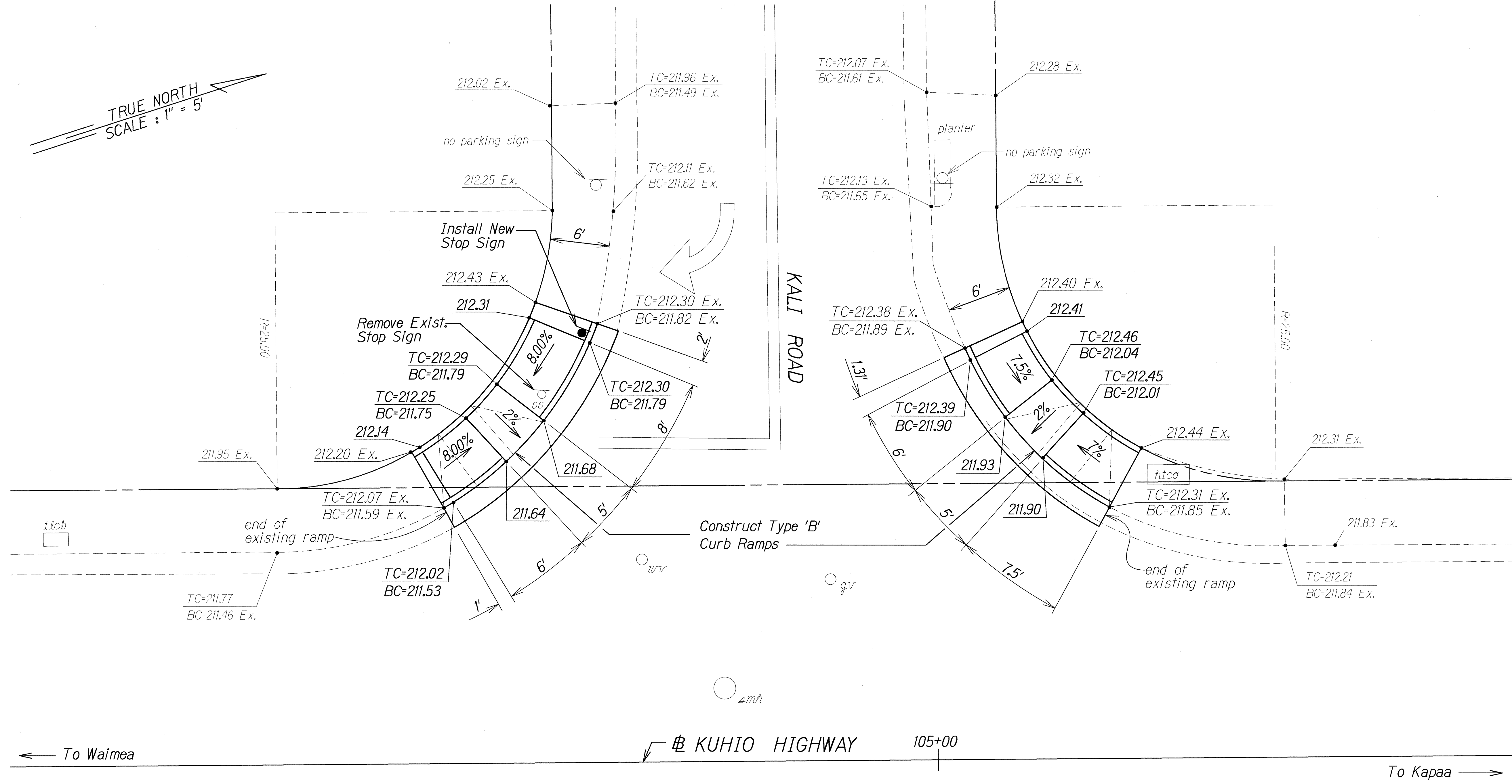


[Signature]
THIS WORK WAS PREPARED
BY ME OR UNDER MY
SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CURB RAMP DETAILS
KUHIO HIGHWAY RESURFACING
HARDY ST. TO KUENE RD.
Project No. 56A-01-00M

Scale: As shown
Date: NOV. 2000
SHEET No. 8 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-01-00M	2003	34	42



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTES	DRAWN BY	9-26-01
DESIGNED BY	QUANTITIES BY	
CHECKED BY		

CURB RAMPS 6 & 7
Scale: 1"=5'

APPROVAL: (FOR WORK WITHIN THE COUNTY COUNTY RIGHT-OF-WAY ONLY)

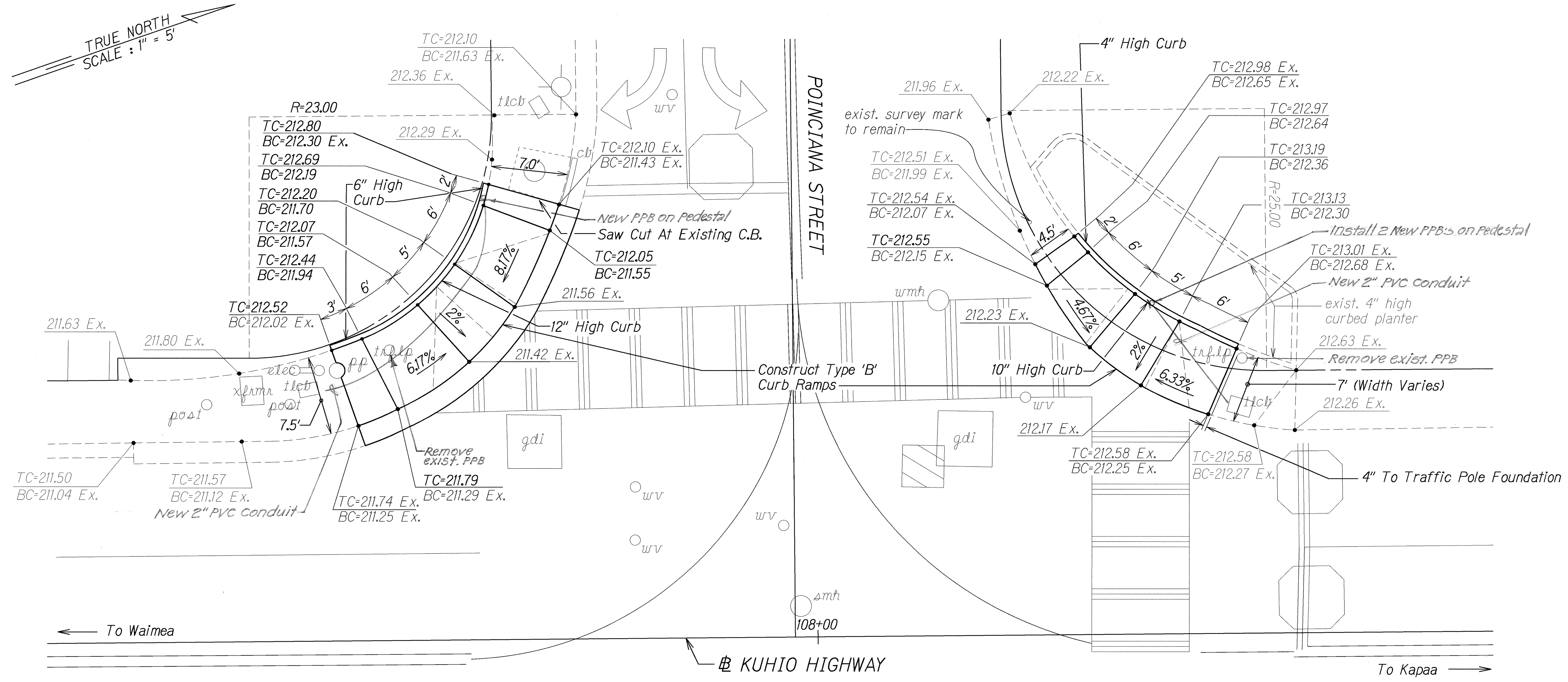
[Signature]
COUNTY ENGINEER
COUNTY OF KAUAI
DATE: 4/22/02

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CURB RAMP DETAILS

KUHIO HIGHWAY RESURFACING
HARDY ST. TO KUENE RD.
Project No. 56A-01-00M
Scale: 1" = 5' Date: Sept. 2001
SHEET No. 9 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-01-00M	2003	35	42



CURB RAMPS 8 & 9
 Scale: 1"=5'

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	9.26.01
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

APPROVAL: (FOR WORK WITHIN THE COUNTY COUNTY RIGHT-OF-WAY ONLY)

[Signature]
 COUNTY ENGINEER
 COUNTY OF KAUAI
 4/22/02
 DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

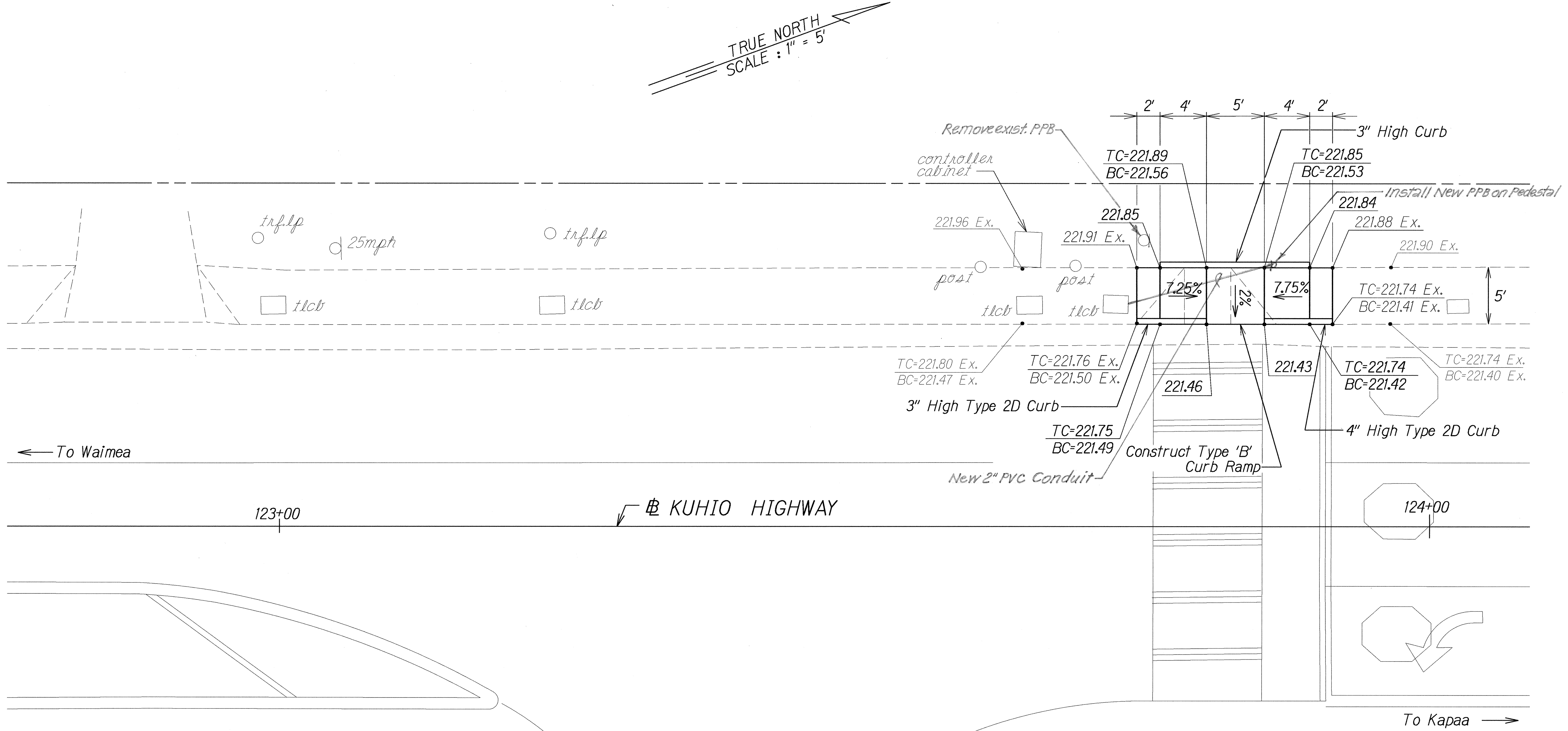
CURB RAMP DETAILS

KUHIO HIGHWAY RESURFACING
HARDY ST. TO KUENE RD.
Project No. 56A-01-00M

Scale: 1" = 5' Date: Sept. 2001

SHEET No. 10 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-01-00M	2003	38	42



CURB RAMP 13
Scale: 1"=5'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	9-25-01
DESIGNED BY	CHECKED BY	
KE2/jm		
9/25/01		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CURB RAMP DETAILS

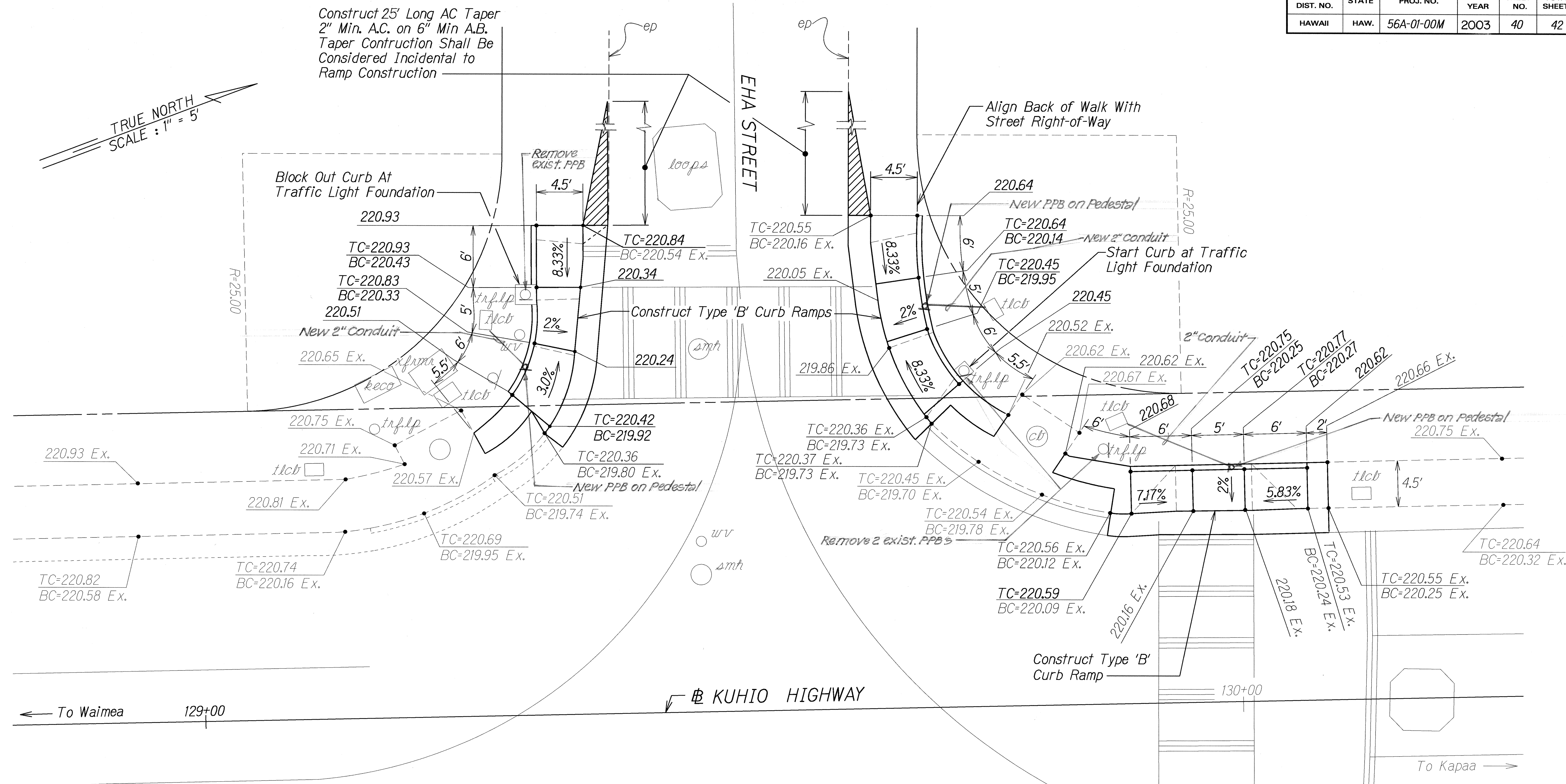
KUHIO HIGHWAY RESURFACING
HARDY ST. TO KUENE RD.
Project No. 56A-01-00M

Scale: 1" = 5' Date: Sept. 2001

SHEET No. 13 OF 17 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-01-00M	2003	40	42



CURB RAMPS 16, 17 & 18

Scale: 1"=5'

1
40

APPROVAL: (FOR WORK WITHIN THE COUNTY COUNTY RIGHT-OF-WAY ONLY)

[Signature]
COUNTY ENGINEER
COUNTY OF KAUAI

4/22/02
DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CURB RAMP DETAILS

KUHIO HIGHWAY RESURFACING

HARDY ST. TO KUENE RD.

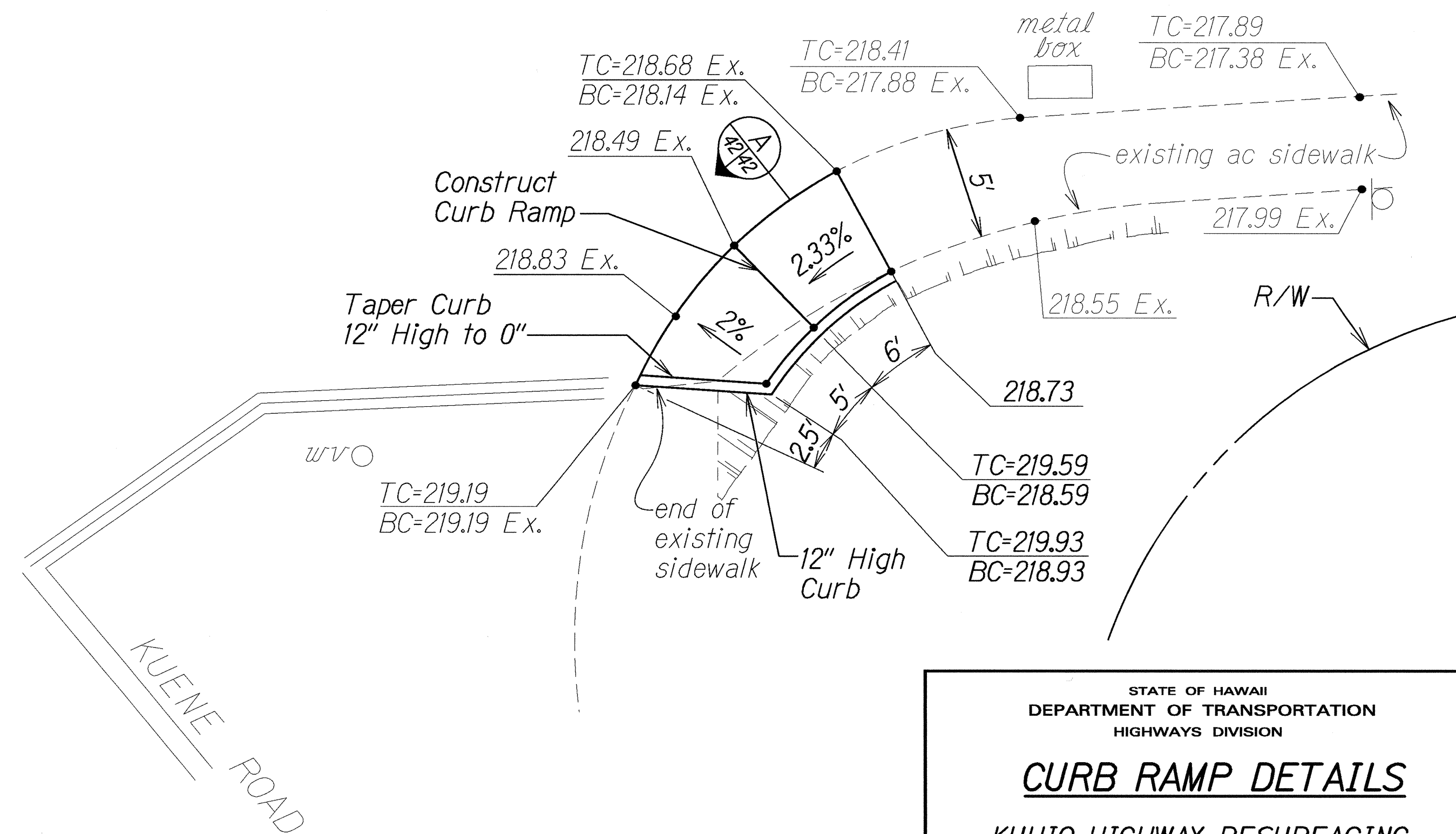
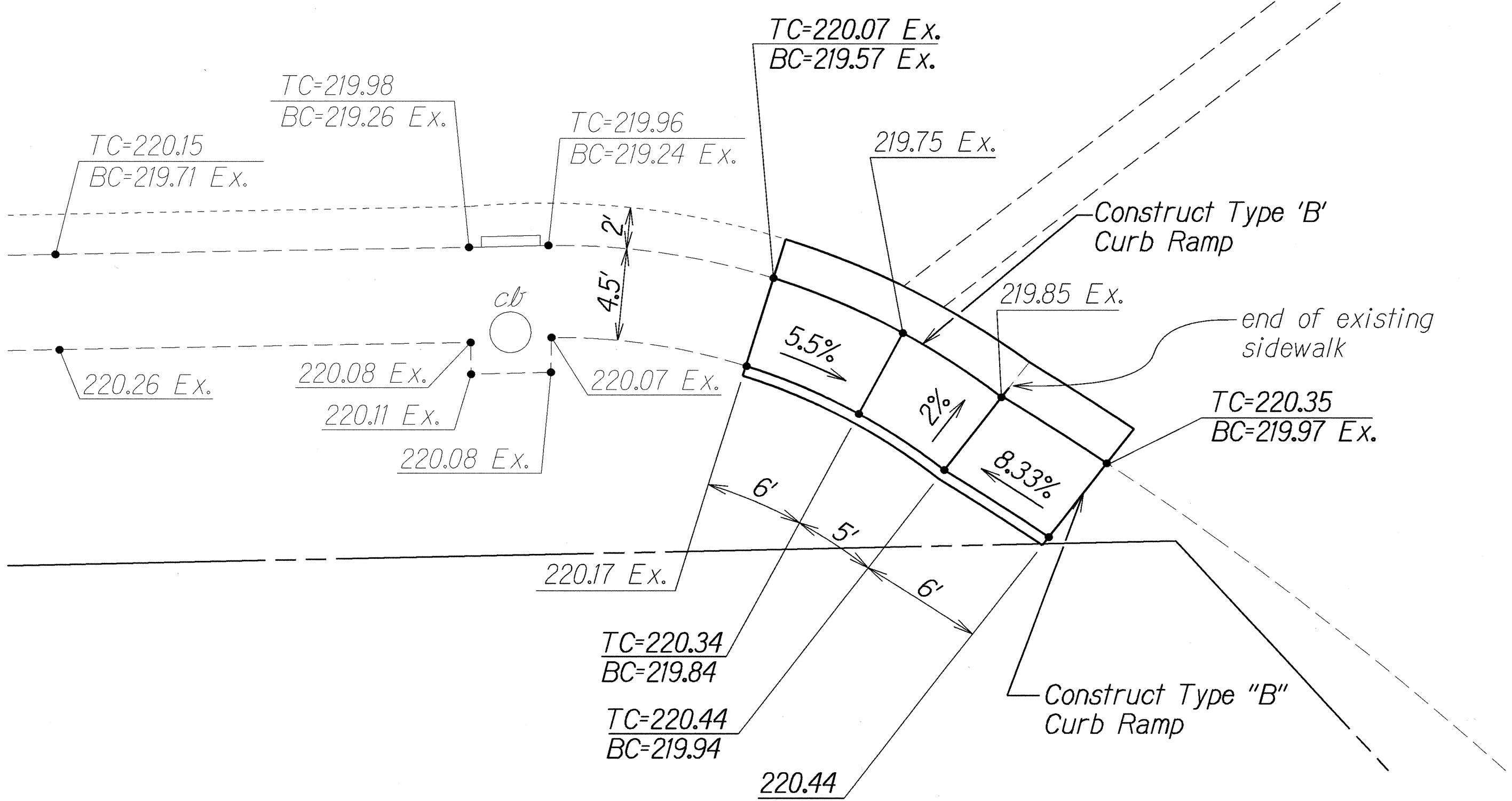
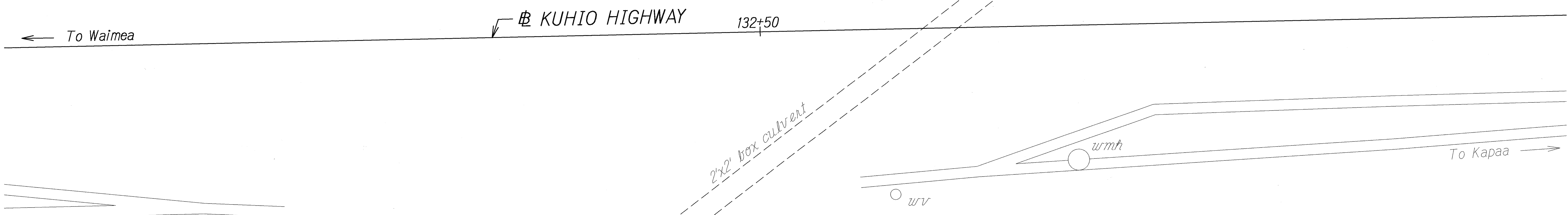
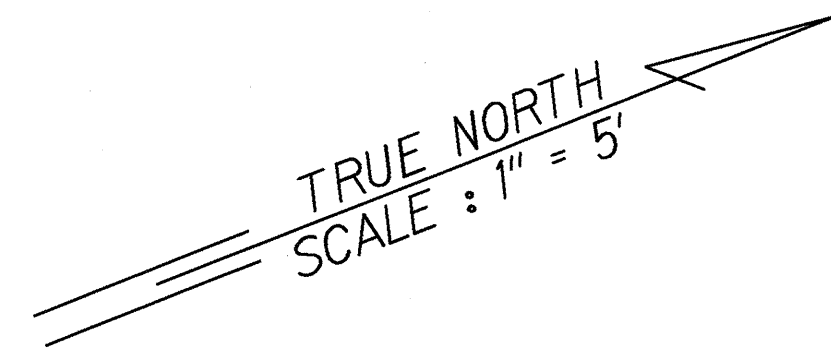
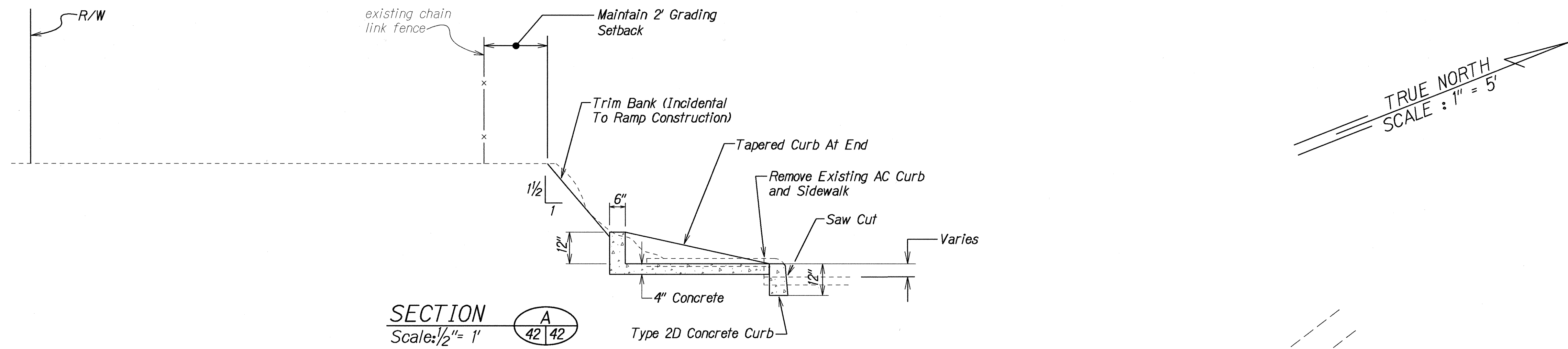
Project No. 56A-01-00M

Scale: 1" = 5'

Date: August 2001

SHEET No. 15 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-01-00M	2003	42	42



ORIGINAL PLAN	DATE	9-26-01
DESIGNED BY	DRWN BY	
CHECKED BY	CHKD BY	
NOTED BY	NOTD BY	
QUANTITIES BY	QUAN BY	
DATE	DATE	

CURB RAMPS 20 & 21
Scale: 1"=5'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

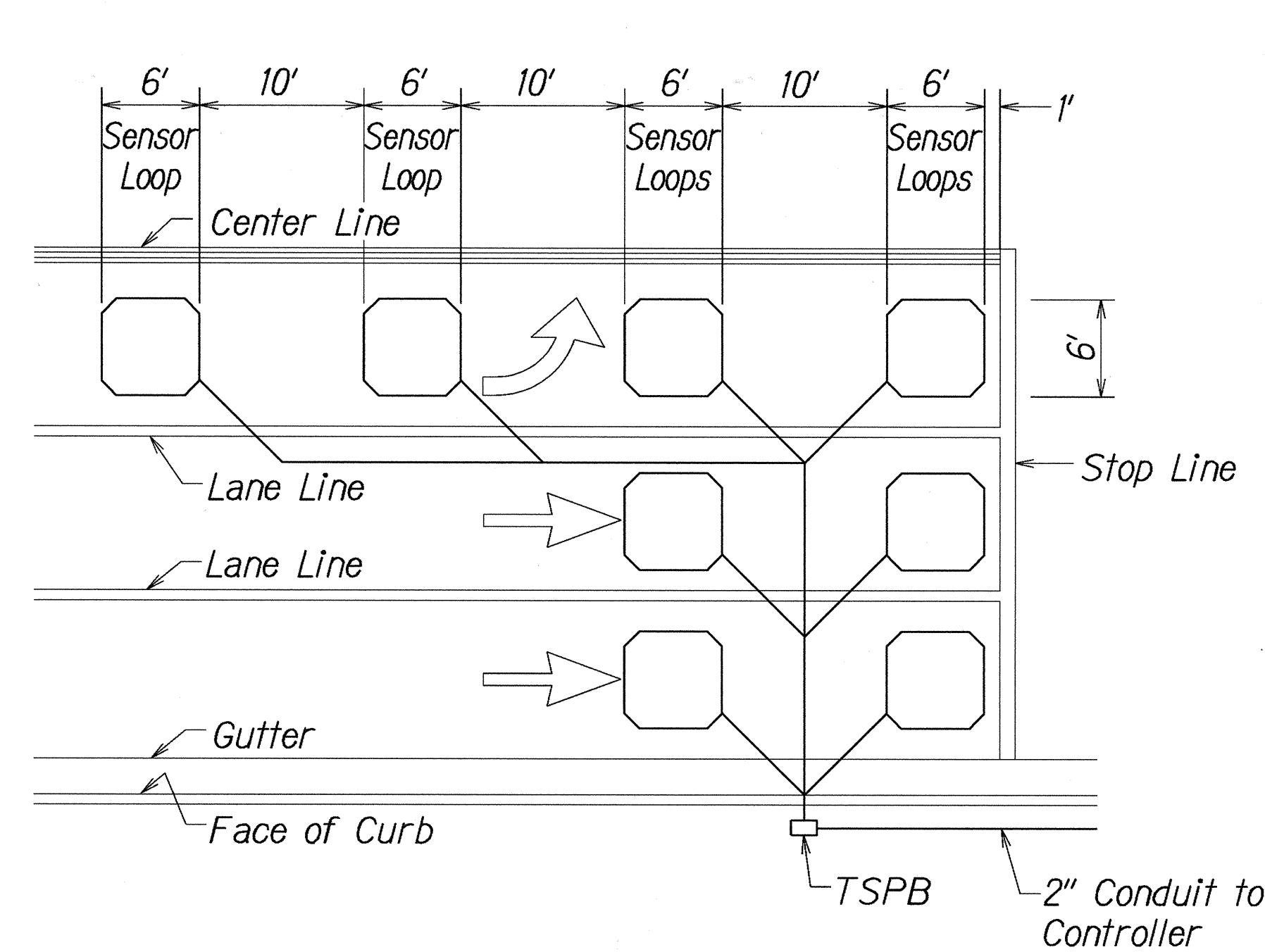
CURB RAMP DETAILS

KUHIO HIGHWAY RESURFACING
HARDY ST. TO KUENE RD.
Project No. 56A-01-00M

Scale: As Noted Date: August 2001

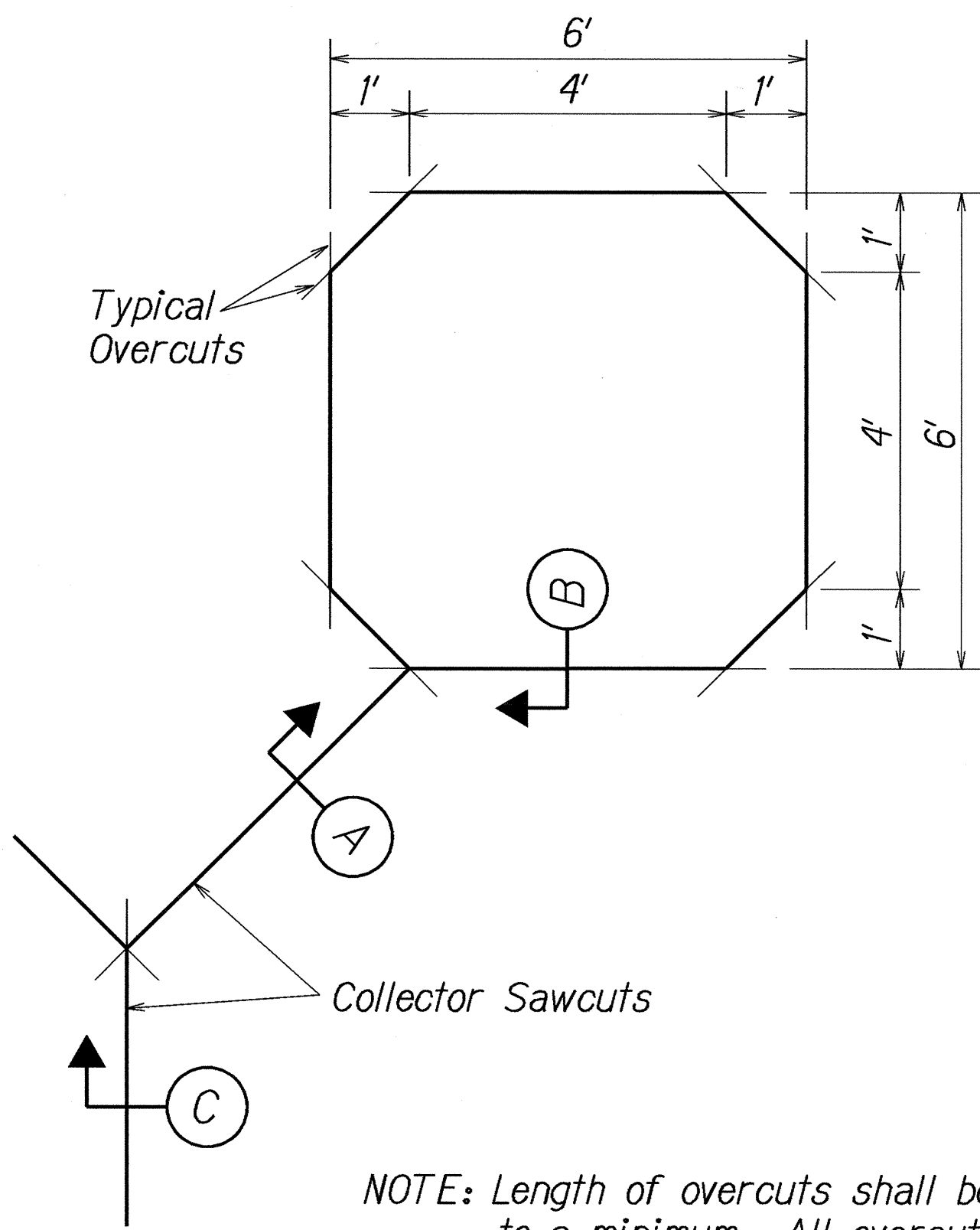
SHEET No. 17 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-01-00M	2003	ADD. 42S-1	42

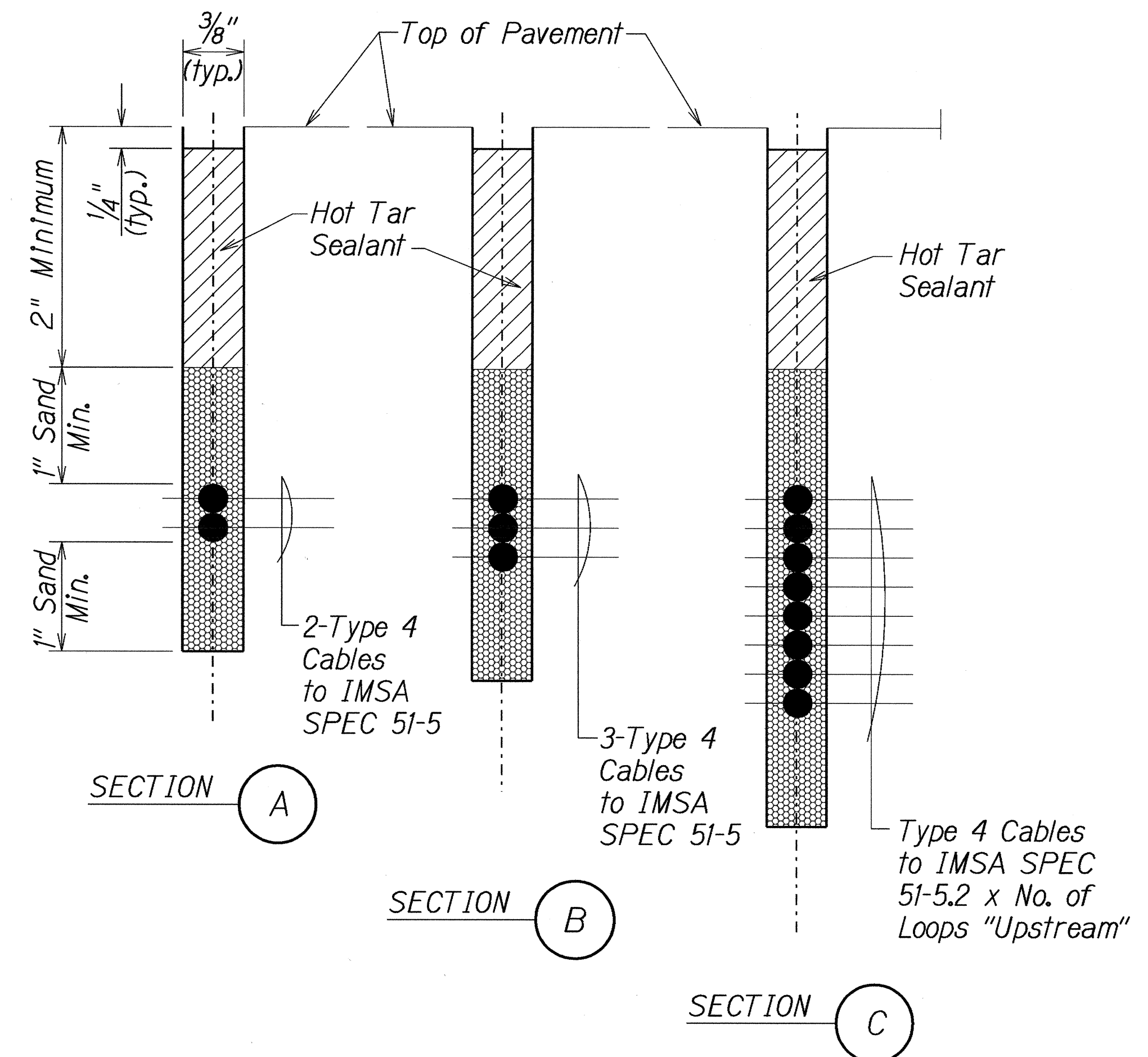


- NOTES:
- Center sensor loops in lanes.
 - Collector cables shall be twisted 2 turns per foot.
 - Number of loops and locations vary. See project plans.
 - Number and locations of collector sawcuts may be varied in the field to suit.

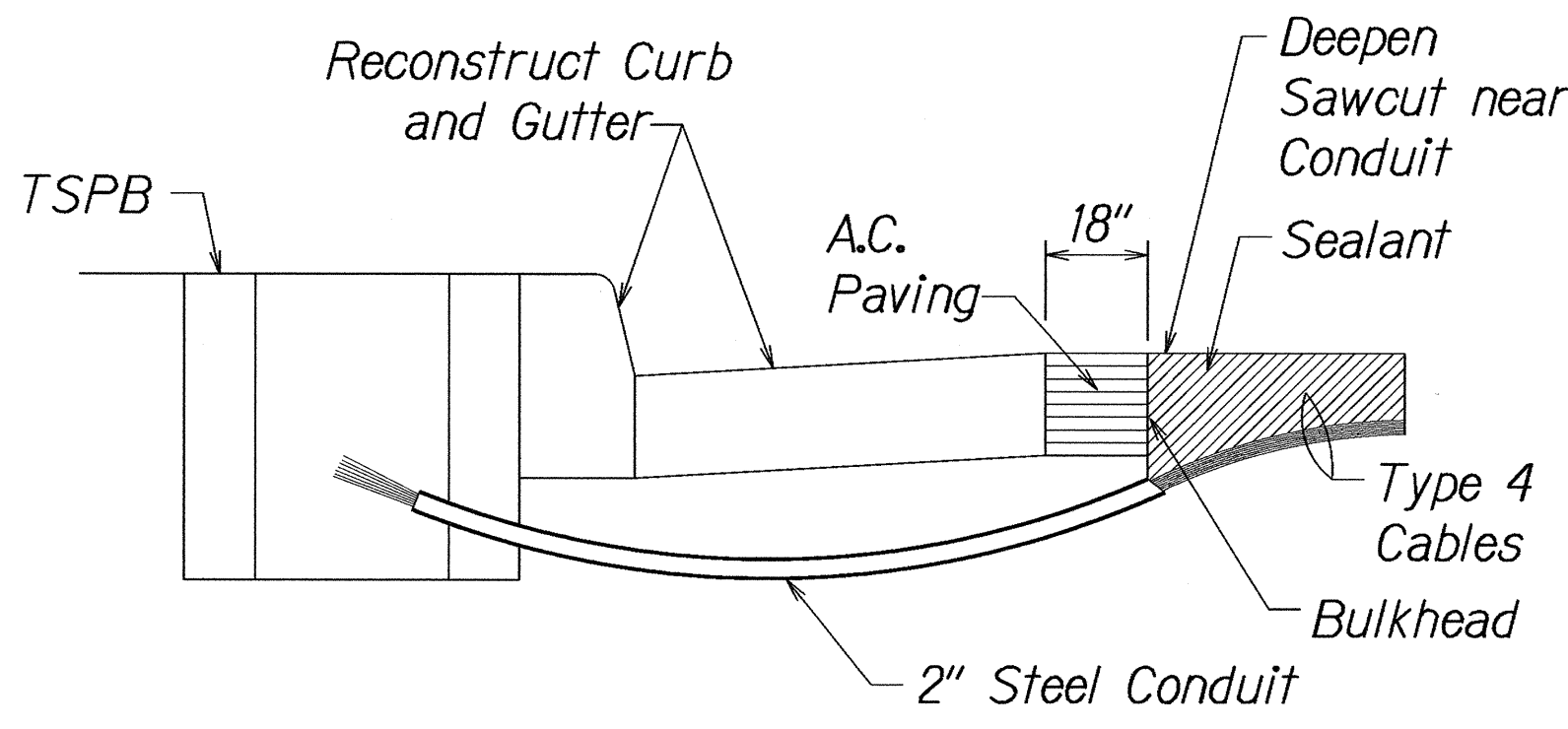
TYPICAL SENSOR LOOP LAYOUT



TYPICAL SENSOR LOOP SAWCUT DETAIL

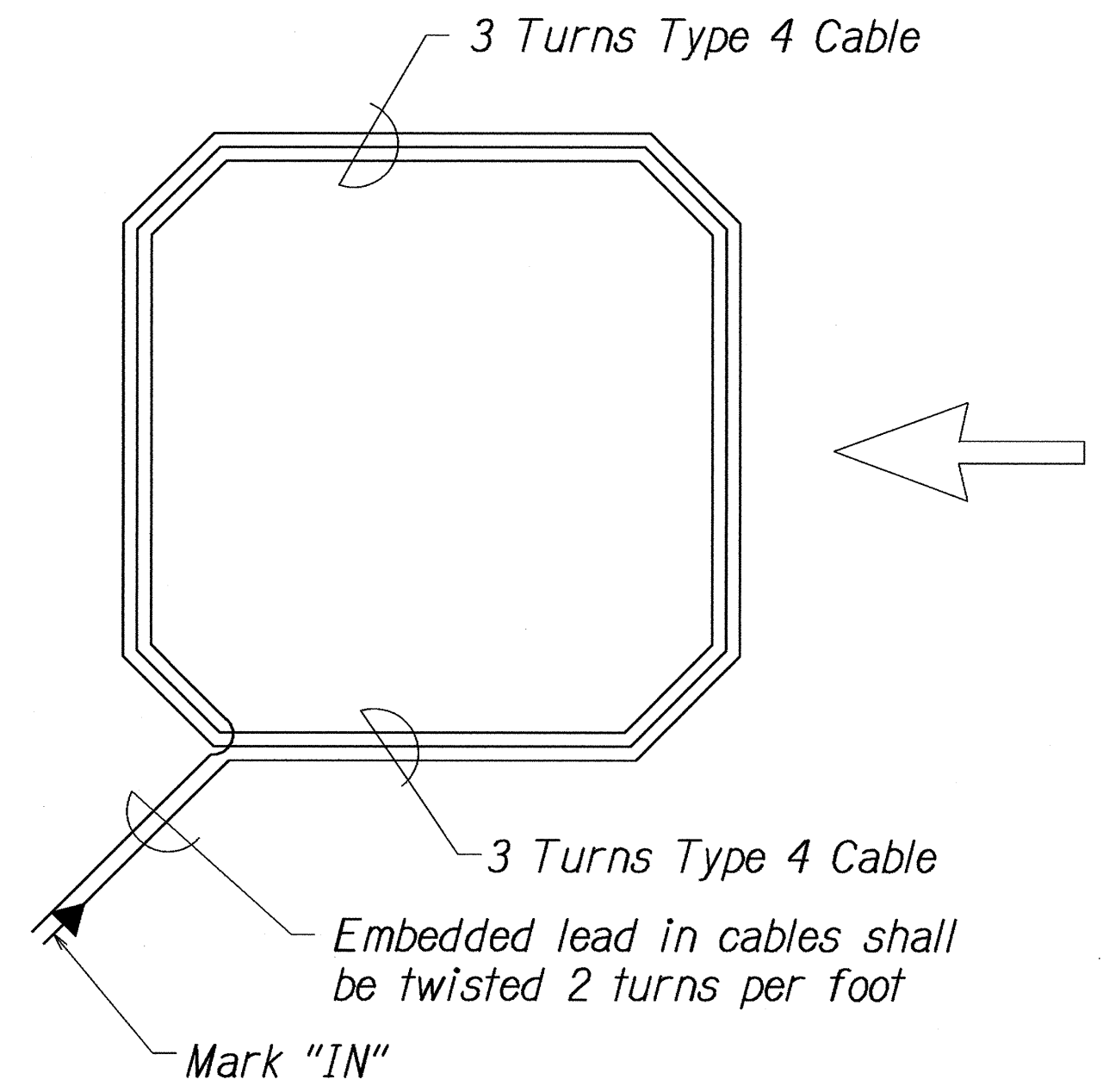


TYPICAL SECTION THROUGH SENSOR LOOP



- NOTES ON CONSTRUCTION AT END OF SAWCUT
- Seal roadway end of conduit after installation of conductors.
 - Install bulkhead across conduit trench.
 - Place hot tar in sawcut.
 - Backfill over conduit with new A.C.
 - Reconstruct curb and gutter as required.

DETAIL OF SENSOR LOOP INSTALLATION AT EDGE OF ROADWAY



TYPICAL SENSOR LOOP WIRING DIAGRAM



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

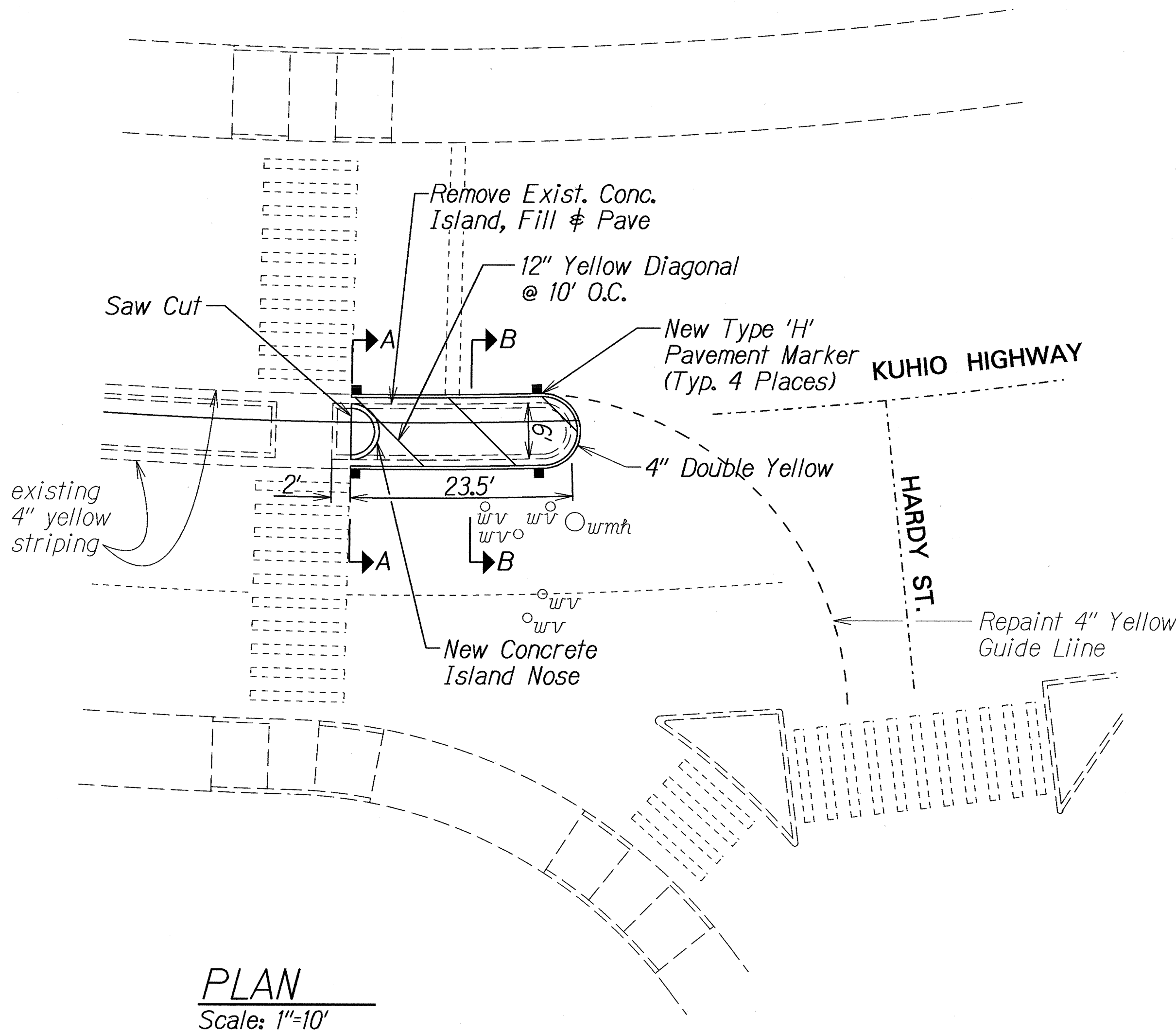
LOOP DETECTOR DETAILS
KUHIO HIGHWAY RESURFACING
HARDY ST. TO KUENE RD.
Project No. 56A-01-00M

Not to Scale
Date: NOV, 2002

SHEET No. 1 OF 1 SHEETS

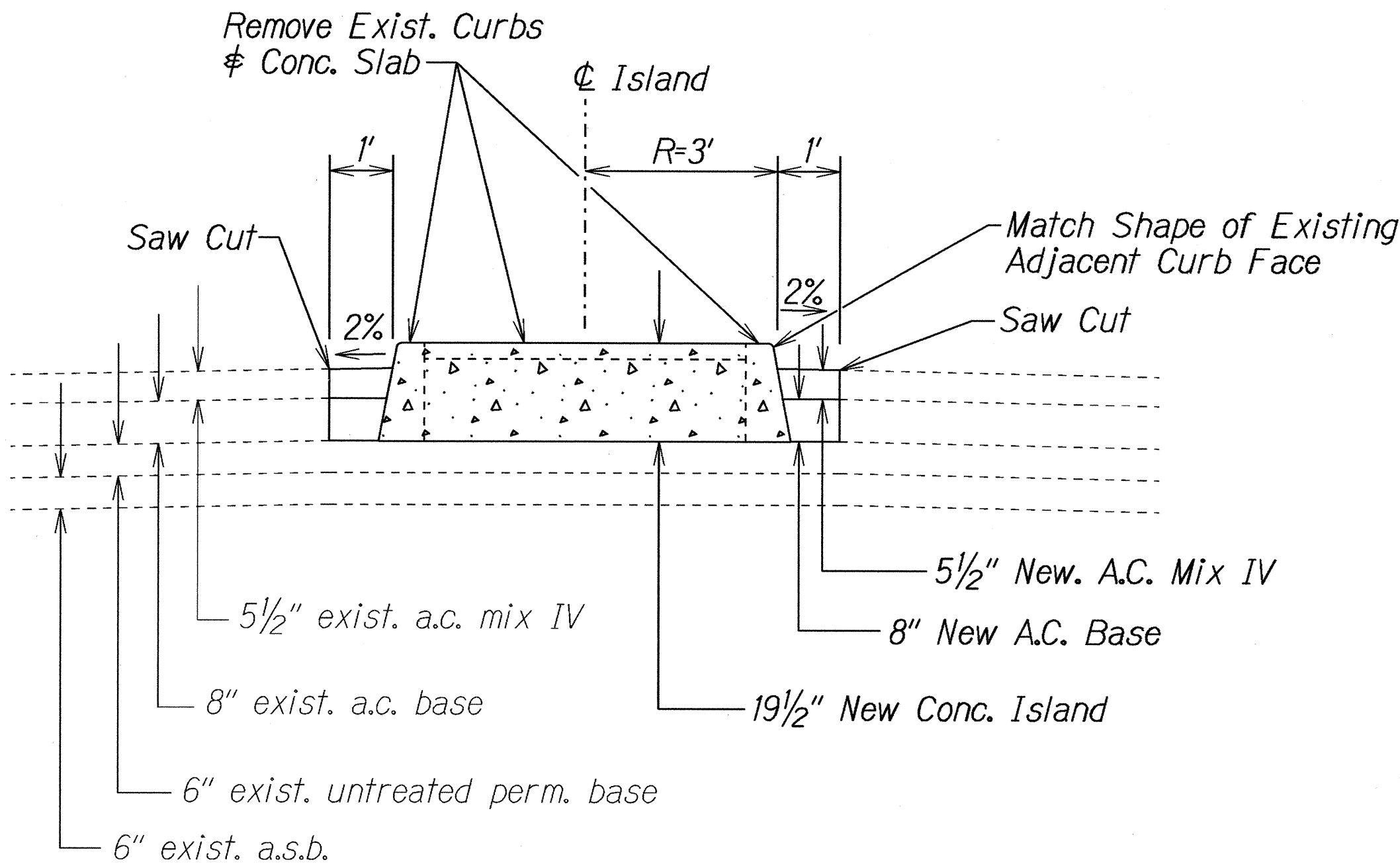
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 SURVEY PLOTTED BY: DATE: X
 DRAWN BY: X
 DESIGNED BY: X
 CHECKED BY: X
 ORIGINAL PLAN: X
 NOTE BOOK: X
 No. 42S-1

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-01-00M	2003	ADD. 42S-2	42

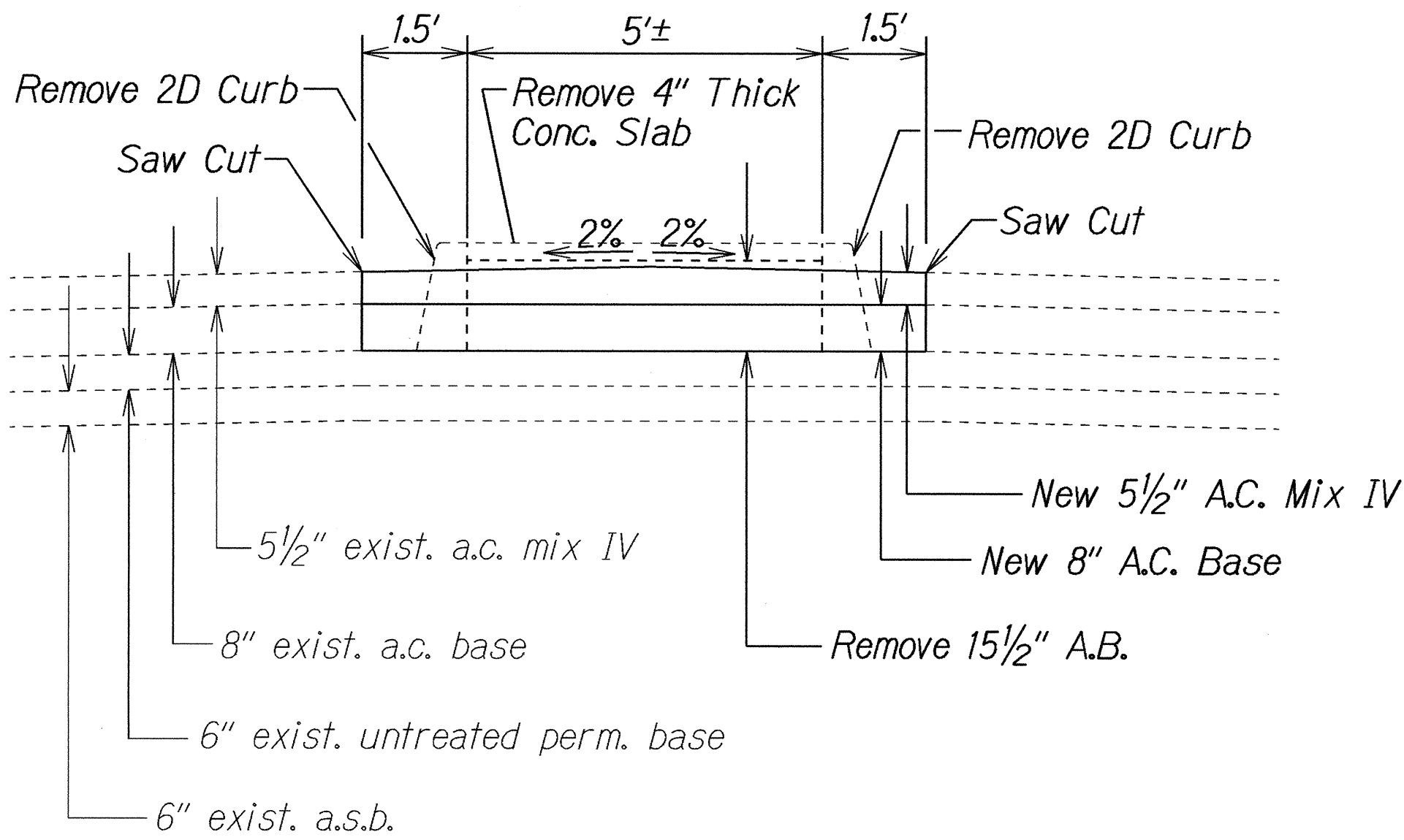


NOTES:

1. New concrete island shall be paid under Item No. 608.0100 CONCRETE SIDEWALK.
2. Excavation shall be under Item No. 651.0100 EXCAVATION FOR RECONSTRUCTION OF WEAKEN PAVEMENT AREAS.
3. Demolition of existing island shall be considered incidental to the other items of work.



SECTION A-A
Scale: 1"=2'



SECTION B-B
Scale: 1"=2'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

REVISE CONCRETE ISLAND
PLAN & DETAIL
KUHIO HIGHWAY RESURFACING
HARDY ST. TO KUENE RD.
Project No. 56A-01-00M
Scale: As Noted Date: Nov. 2002

SHEET No. 1 OF 1 SHEETS
ADD. 42S-2