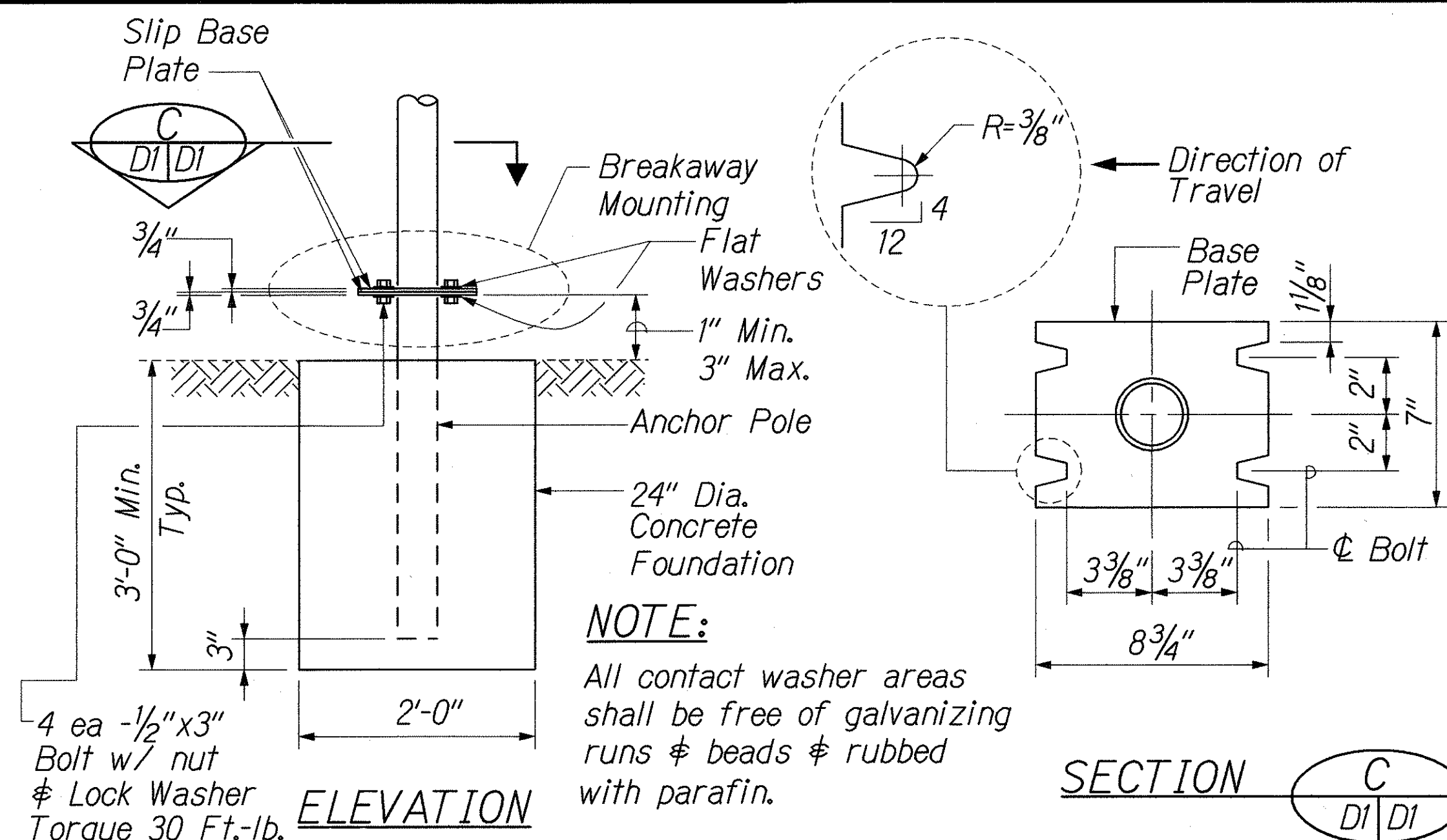


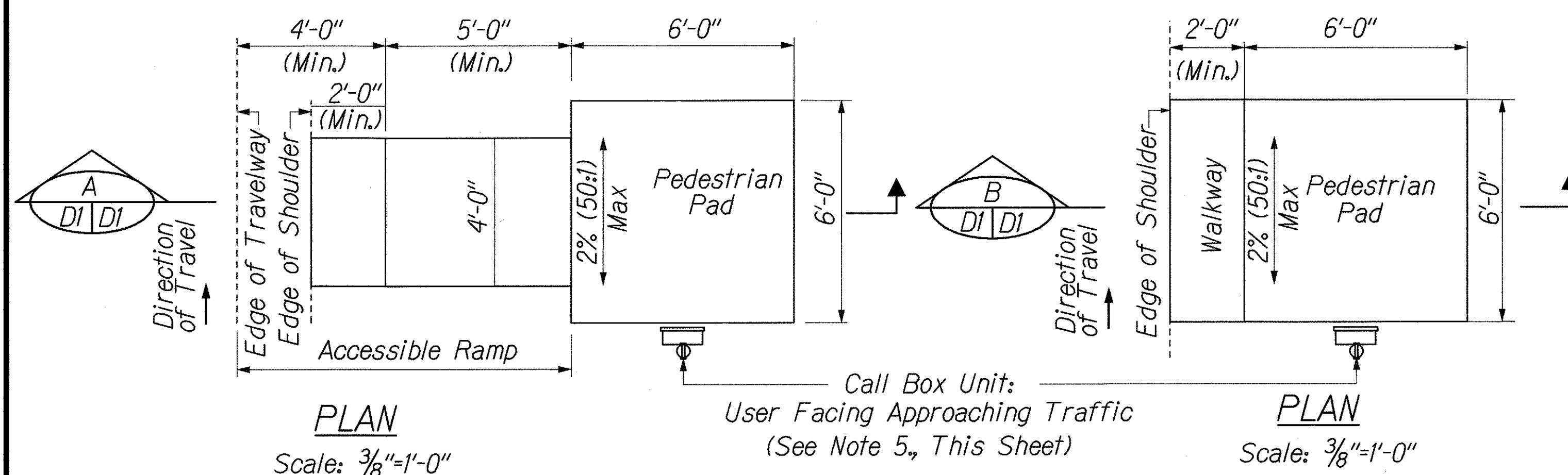
NOTES:

- Foundation shall be Class B concrete placed against undisturbed material.
- Backfill shall be complete and adjacent surface improvements prepared prior to erection of the post.
- 1/2-inch expansion joint material shall be placed between the foundation and abutting concrete paving.
- CIDH - Cast in Drilled Hole.
- Location of call box unit shall be based on the direction of Traffic, except for installation behind barrier rail. See details Sheet G1, or as directed by the Engineer.



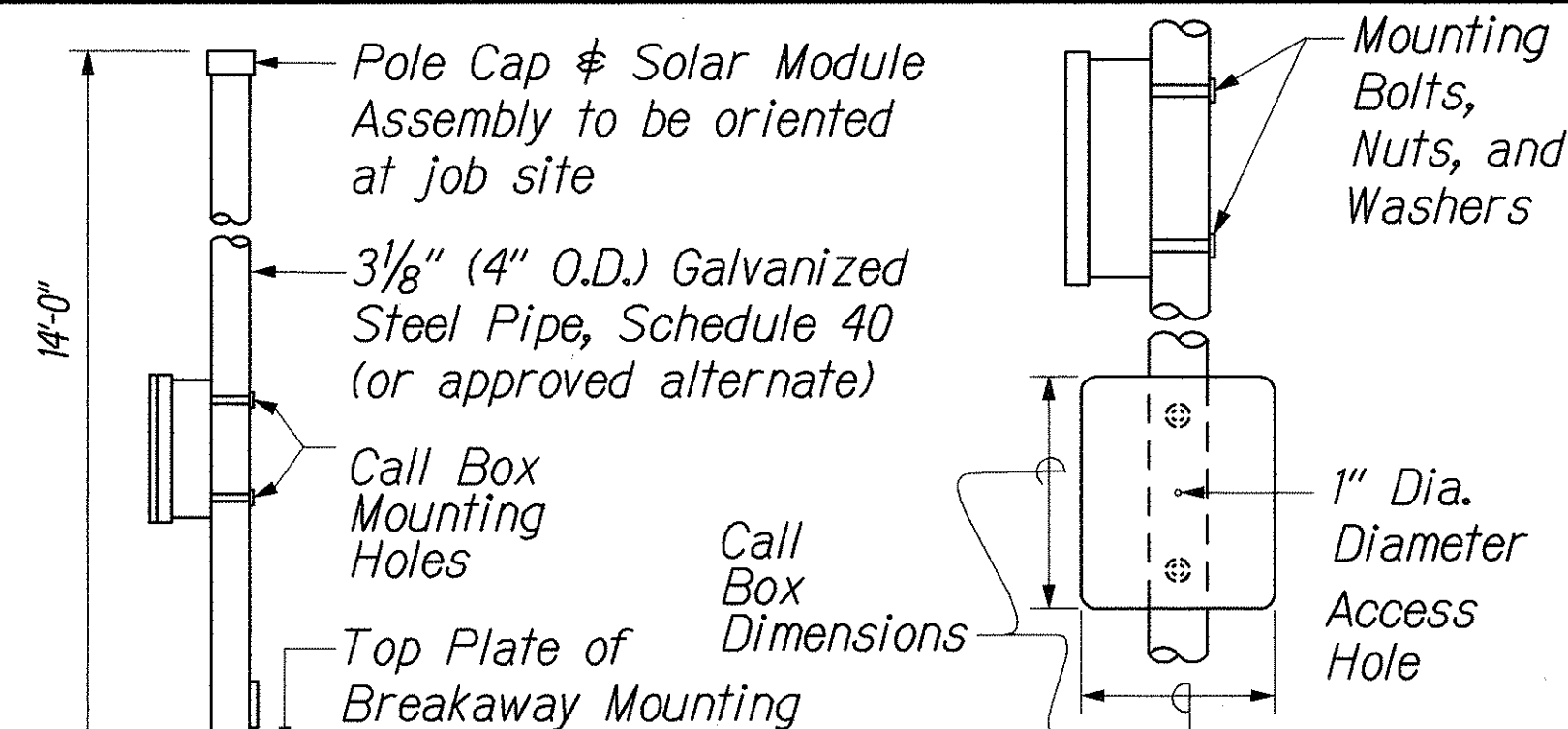
CIDH CONCRETE FOUNDATION WITH BREAKAWAY MOUNTING

Not To Scale



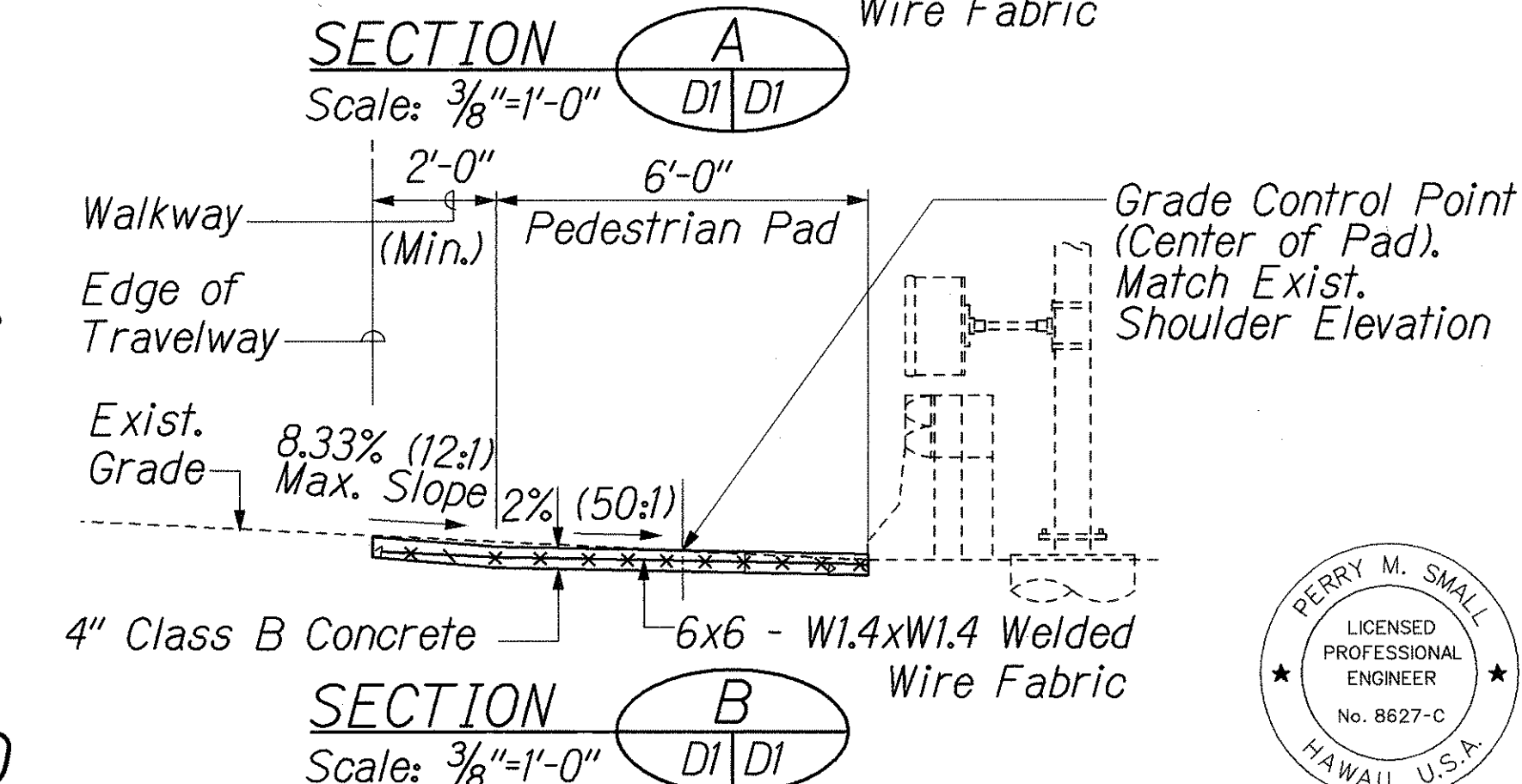
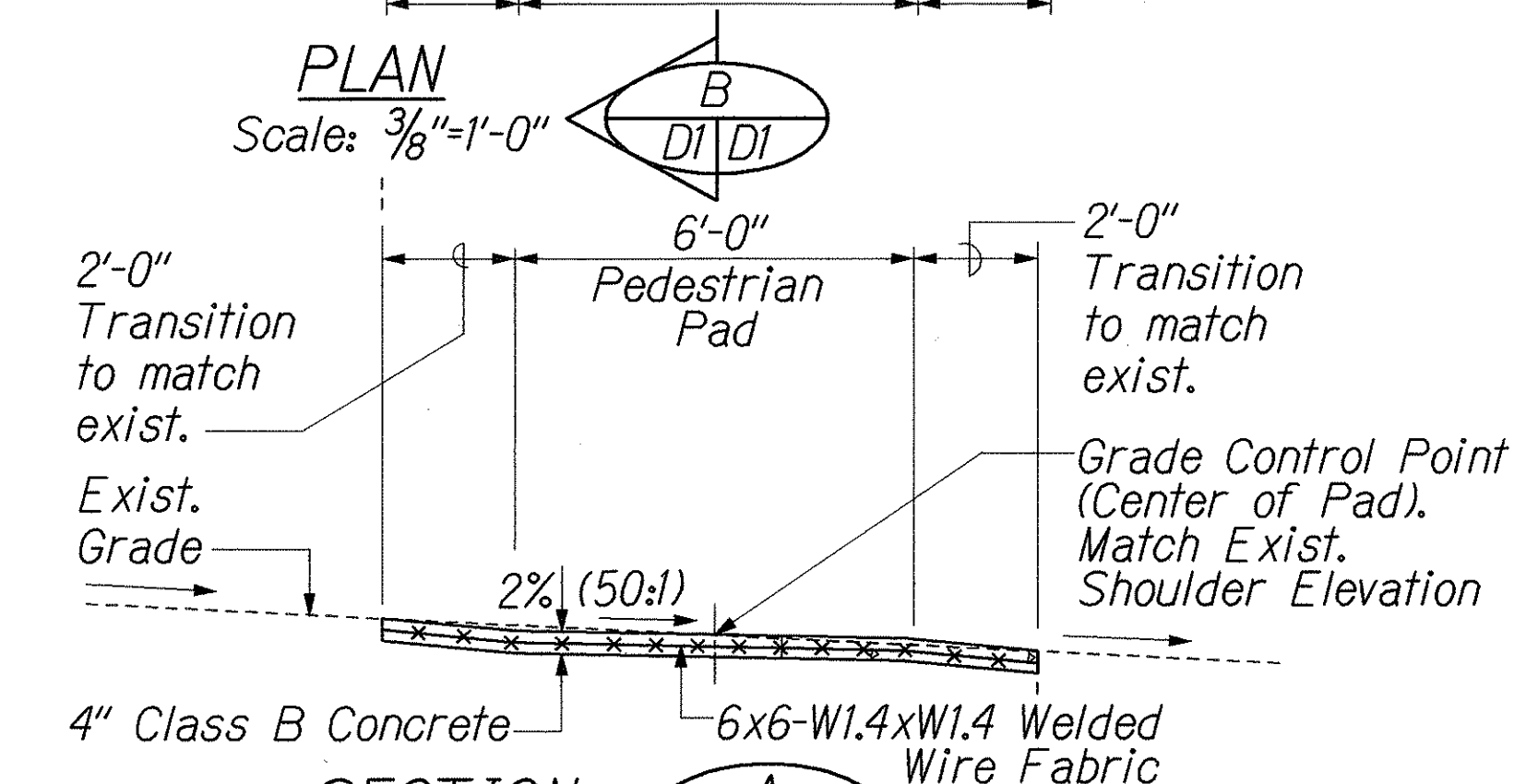
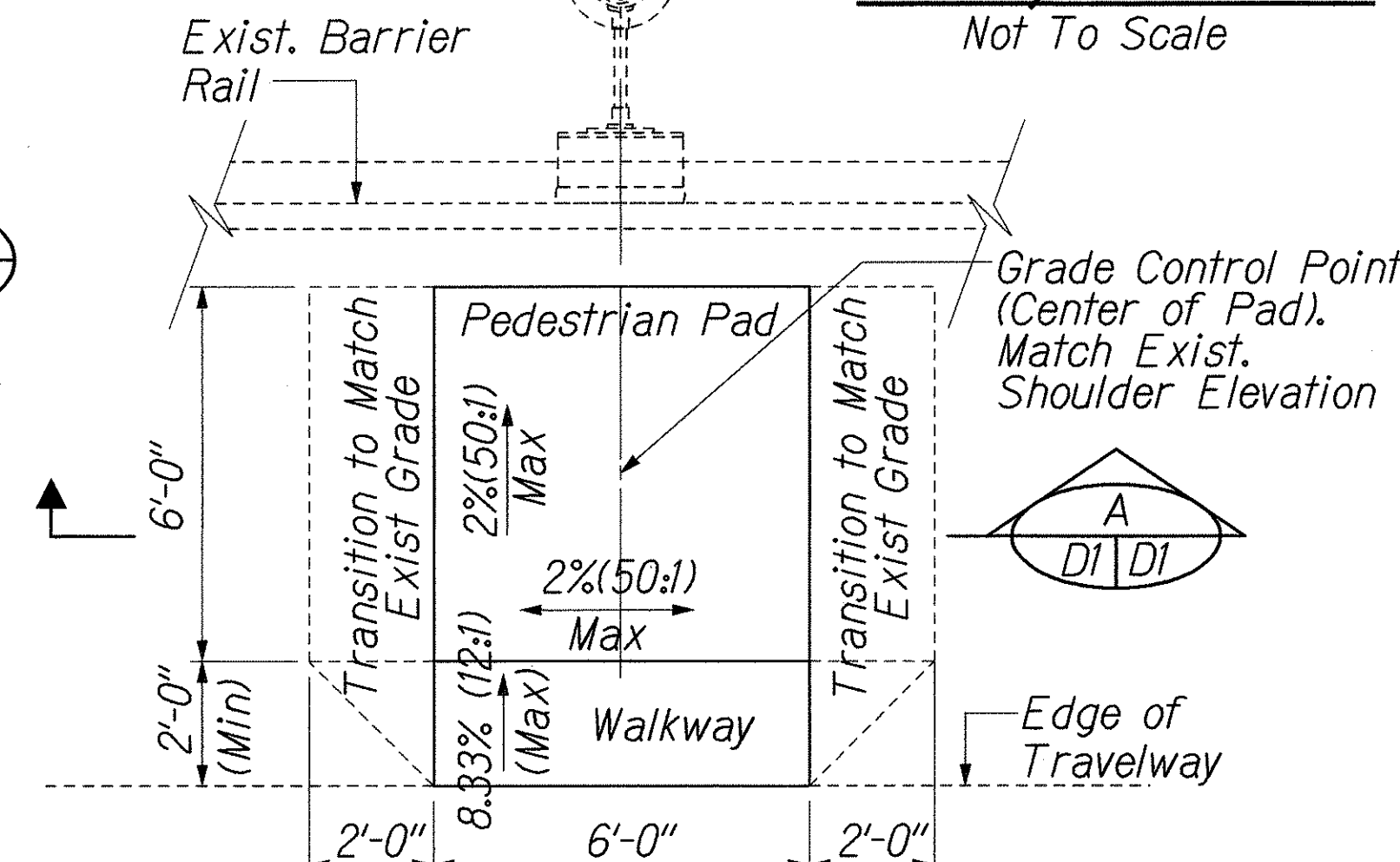
CONCRETE PEDESTRIAN PAD WITH ACCESSIBLE RAMP

CONCRETE PEDESTRIAN PAD WITH WALKWAY



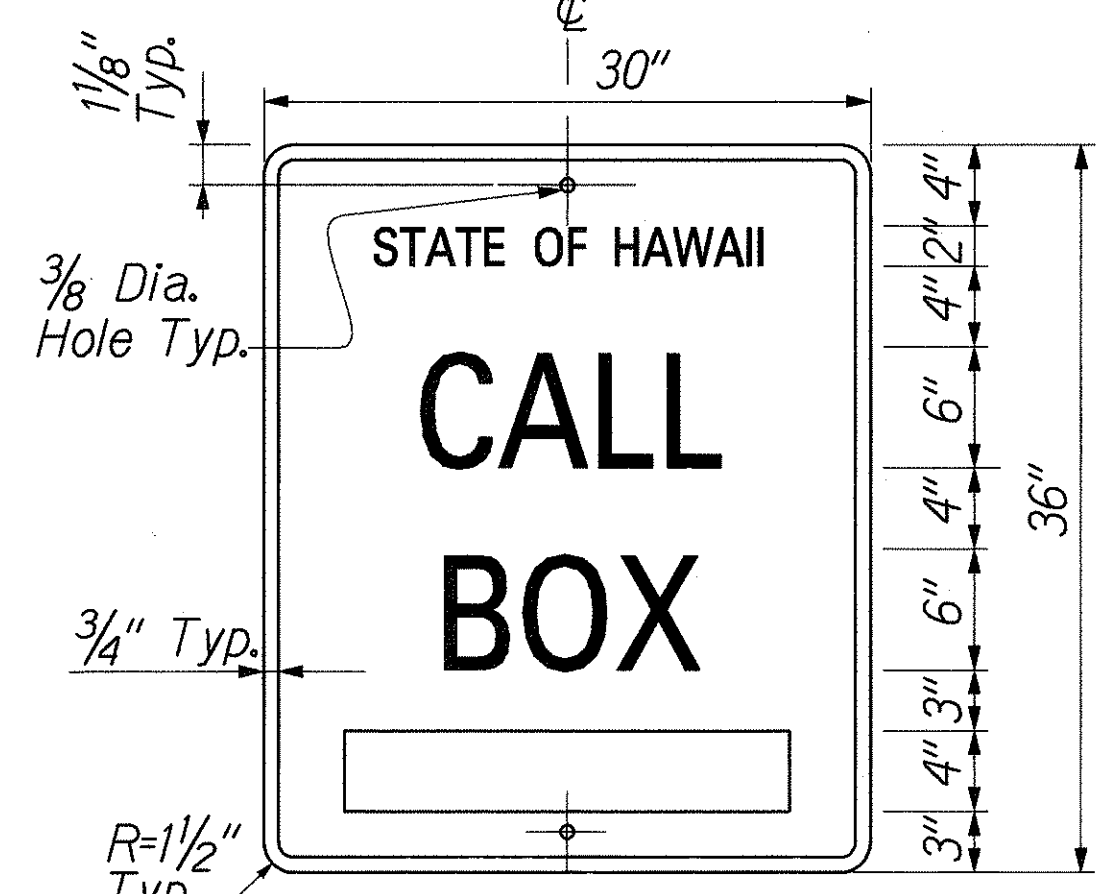
CALL BOX MOUNTING POLE, TYPICAL

Not To Scale



CONCRETE PEDESTRIAN PAD WITH WALKWAY @ BARRIER RAIL

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-K(233)	2001	9	12

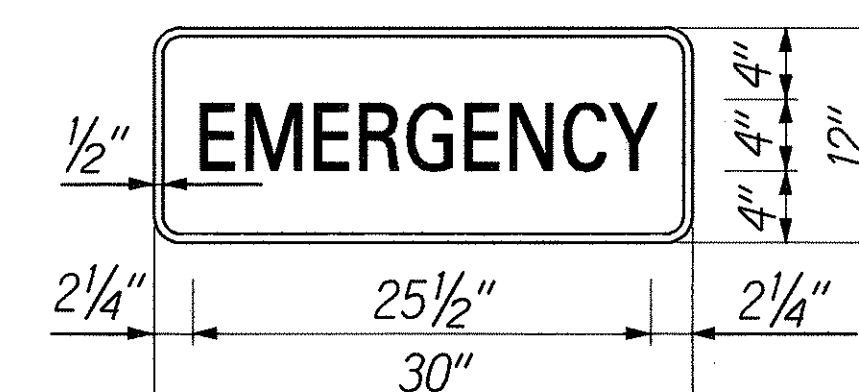


CALL BOX IDENTIFICATION SIGN

Not To Scale

NOTES:

- All lines of lettering shall be centered and shall be the following lettering size and series:
Line No. 1 - 2" SERIES C
Line No. 2 - 6" SERIES E
Line No. 3 - 6" SERIES E
- Call Box Identification Numbers shall be 4" SERIES D letters centered in the bottom position of the sign.
- All signs shall have white reflectorized border and legend on a blue reflectorized background.
- Modify hole locations to accommodate the 2' offset from edge of shoulder.



EMERGENCY SIGN

Not To Scale

NOTES:

- Lettering shall be centered and shall be 4" SERIES C letters.
- All signs shall have white reflector border and legend on a blue reflectorized background.

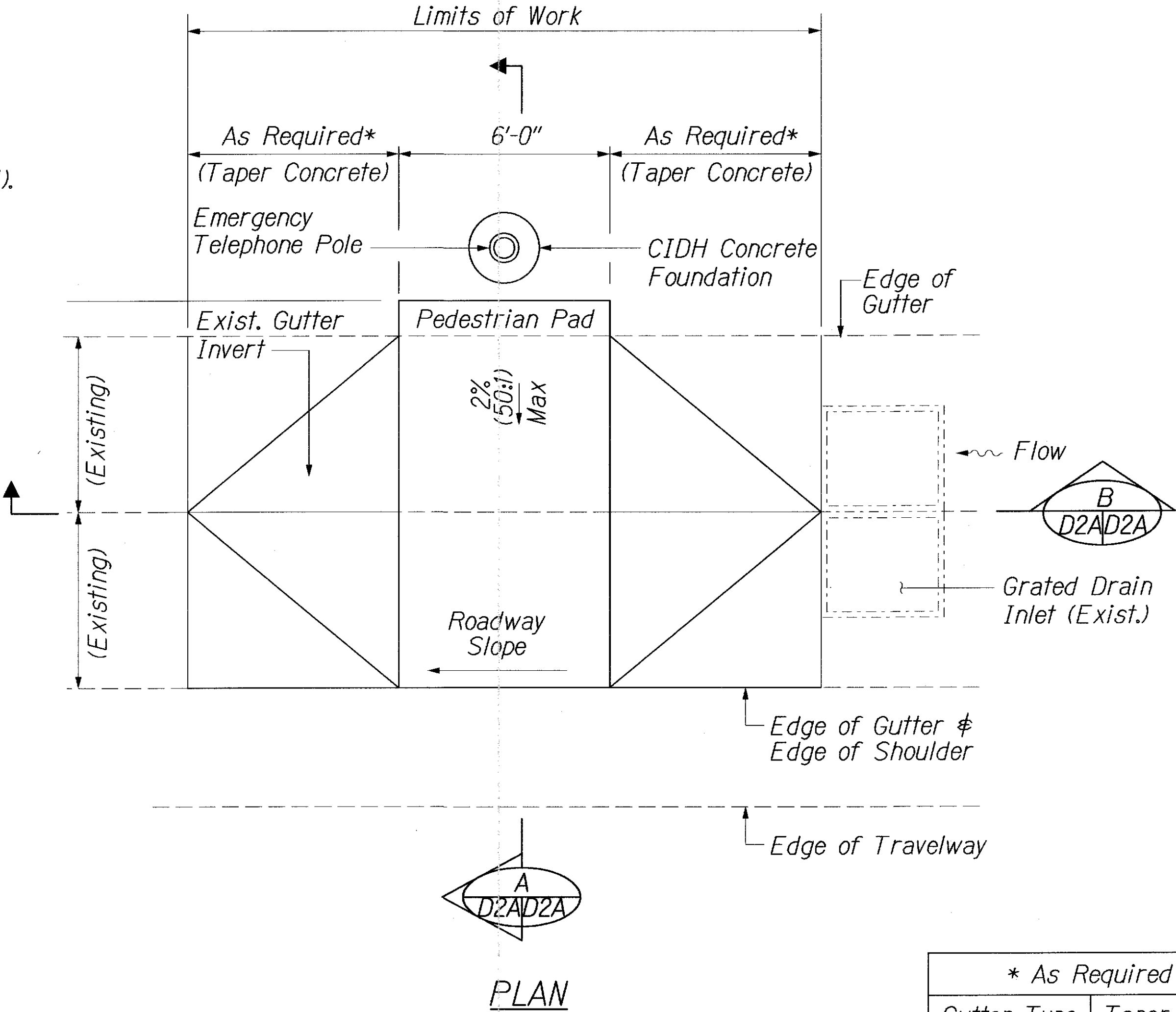
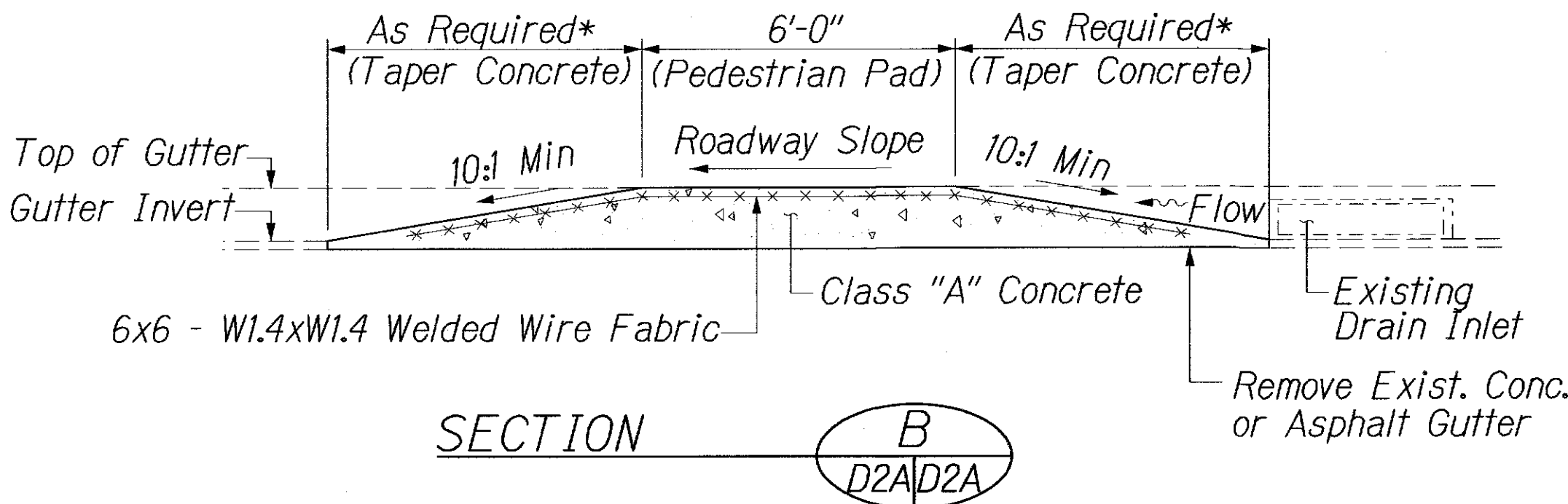
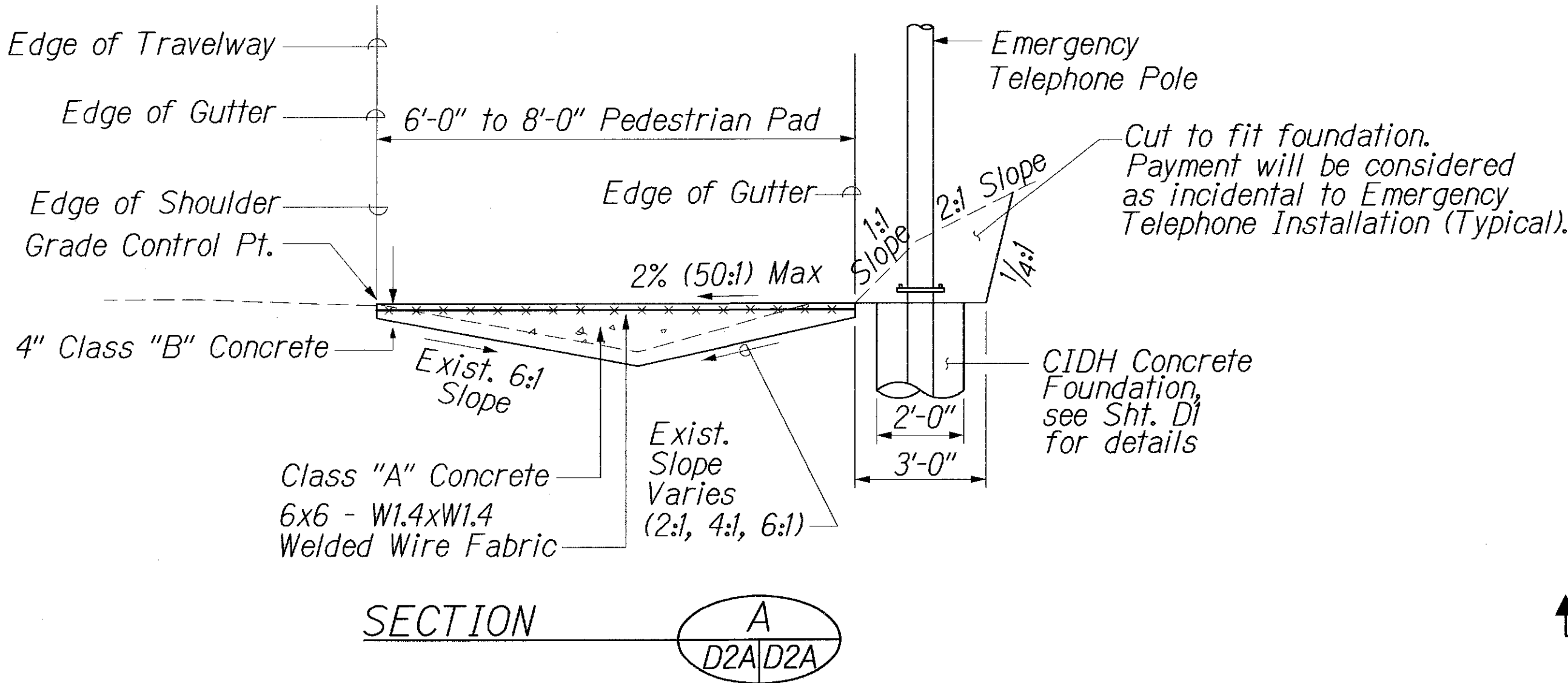
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS - 1

INTERSTATE ROUTE H-1
INSTALLATION OF EMERGENCY TELEPHONES
PALALAI INTERCHANGE TO HALAWA INTERCHANGE
FEDERAL AID INTERSTATE PROJECT NO. 1M-HI-K(233)
SCALE: AS SHOWN
DATE: AUGUST, 2000

SHEET No. D1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(233)	2001	C.O.10S-1	12



* As Required	
Gutter Type	Taper Length
61616	6 Ft.
61618	7 Ft.
61416	6 Ft.
61418	8 Ft.
61216	8 Ft.
61218	10 Ft.

NOTES:

- Emergency Telephone Call Box and Concrete Pedestrian Pad/Ramp installation over existing gutter shall be located nearest to an existing drain inlet.
- Edge of the concrete pedestrian pad and ramp shall be "As Required*" downstream from the downstream edge of the drain inlet (see detail, this sheet).
- Remove of existing gutter to accommodate the placement of concrete pedestrian pad and ramp. Payment will be considered as incidental to various contract items.
- The exact location of Emergency Call Box units shall be determined in the field by the Engineer.

CONCRETE PEDESTRIAN PAD WITH ACCESSIBLE RAMP OVER EXISTING 6 TO 8 FEET WIDE CONCRETE GUTTER

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
IN CHARGE	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
IN CHARGE	

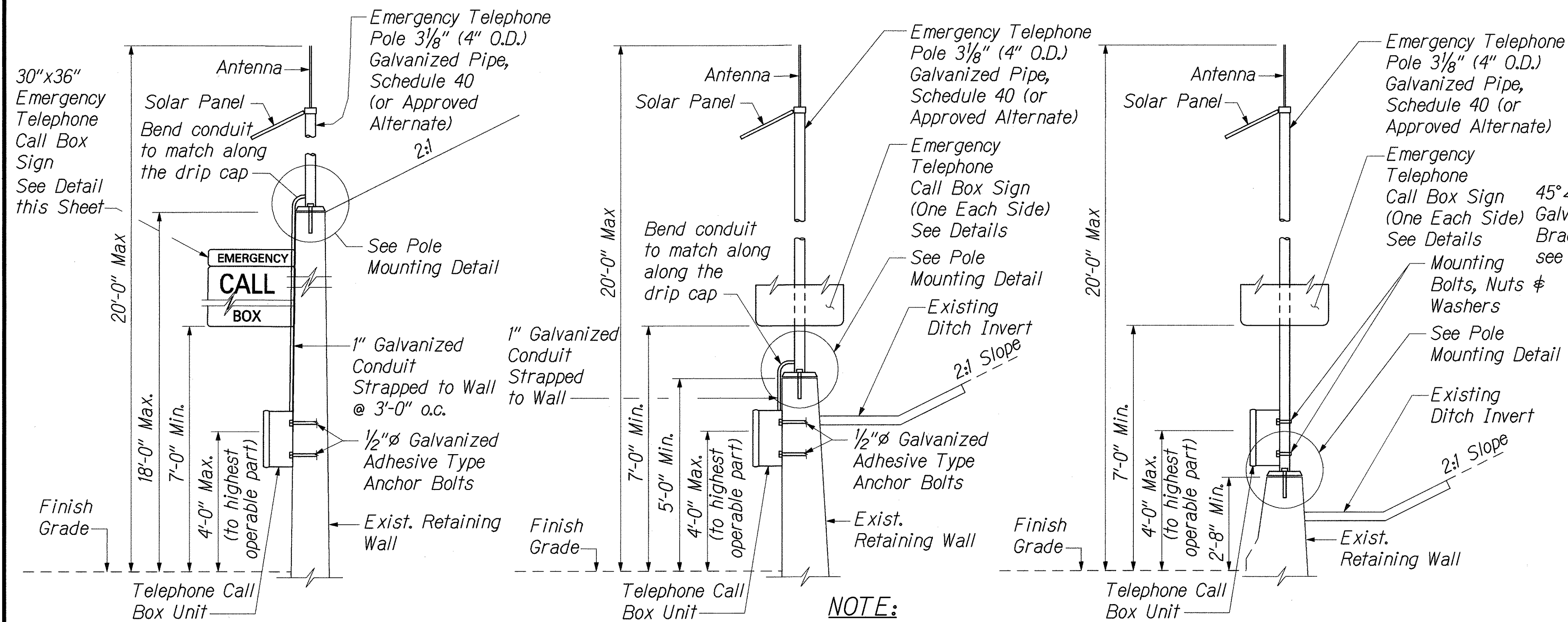
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS - 2A
FOR 6 TO 8 FEET WIDE GUTTER

INTERSTATE ROUTE H-1
INSTALLATION OF EMERGENCY TELEPHONES
PALAILAI INTERCHANGE TO HALAWA INTERCHANGE
FEDERAL AID INTERSTATE PROJECT NO. 1M-HI-1(233)
NOT TO SCALE: DATE: AUGUST, 2000

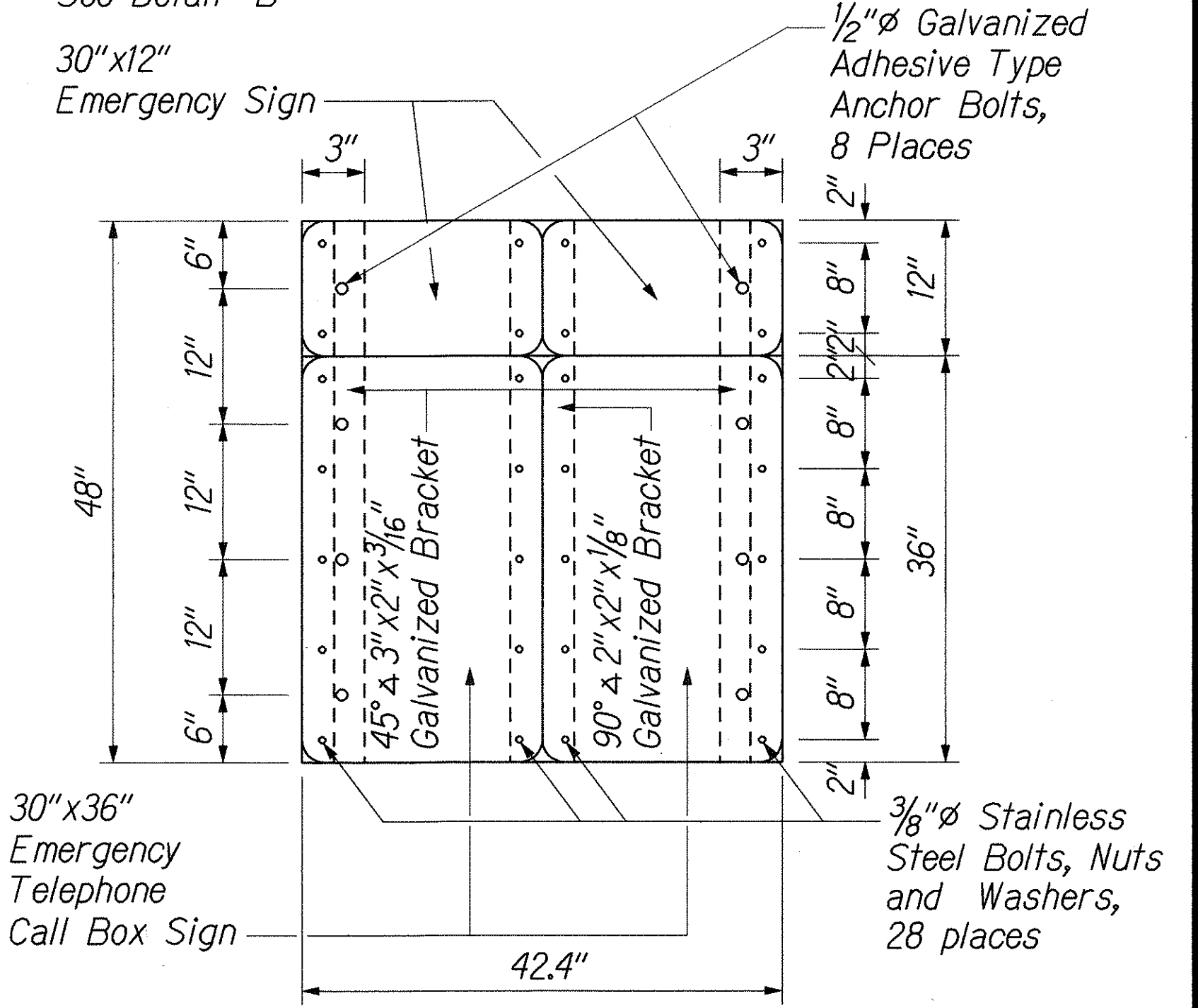
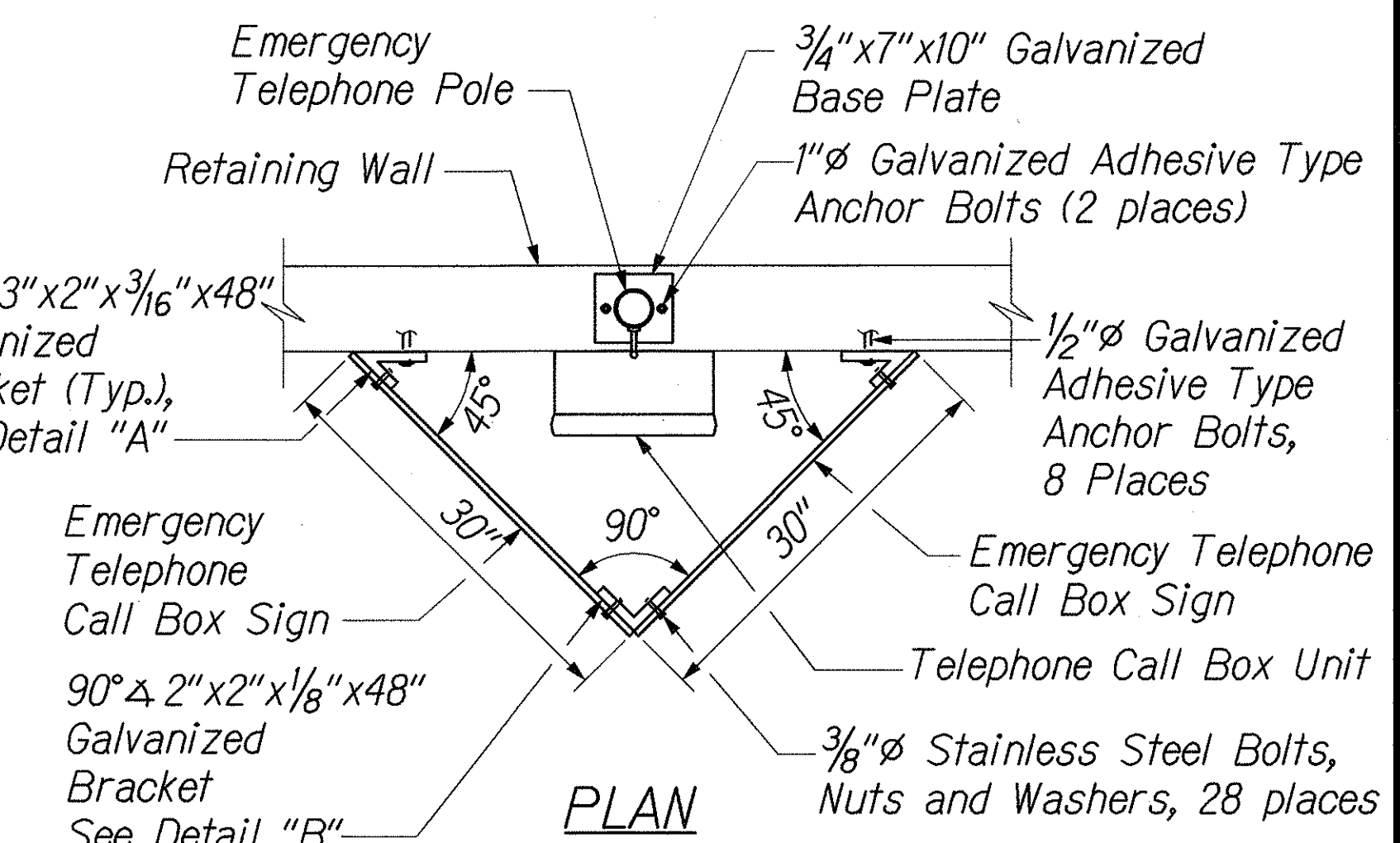
SHEET No. D2A OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(233)	2001	11	12

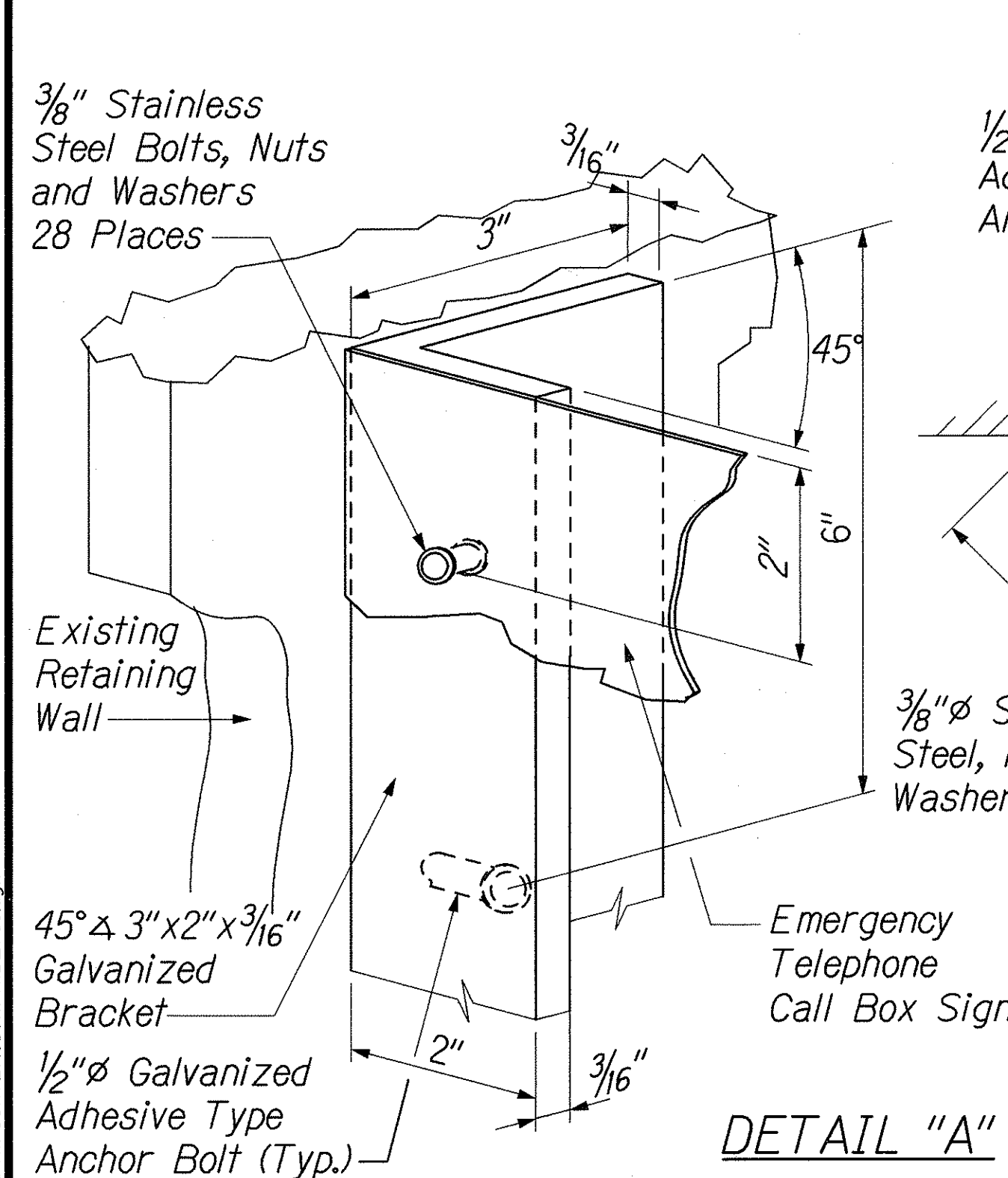


EMERGENCY TELEPHONE INSTALLATION @ RETAINING WALL

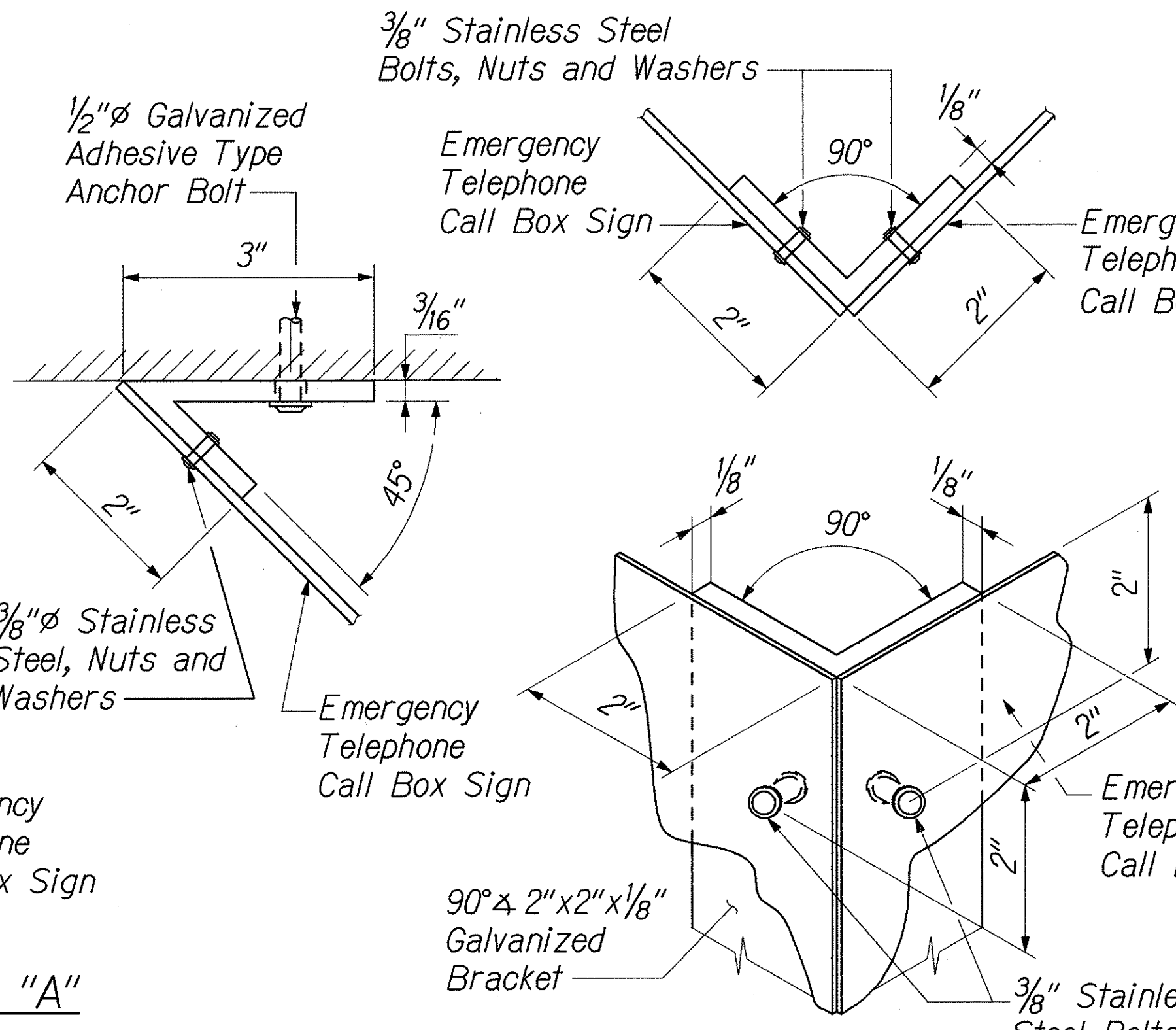
NOTE:
Locate anchor bolts into existing concrete structures to avoid damage to existing reinforcing bars.



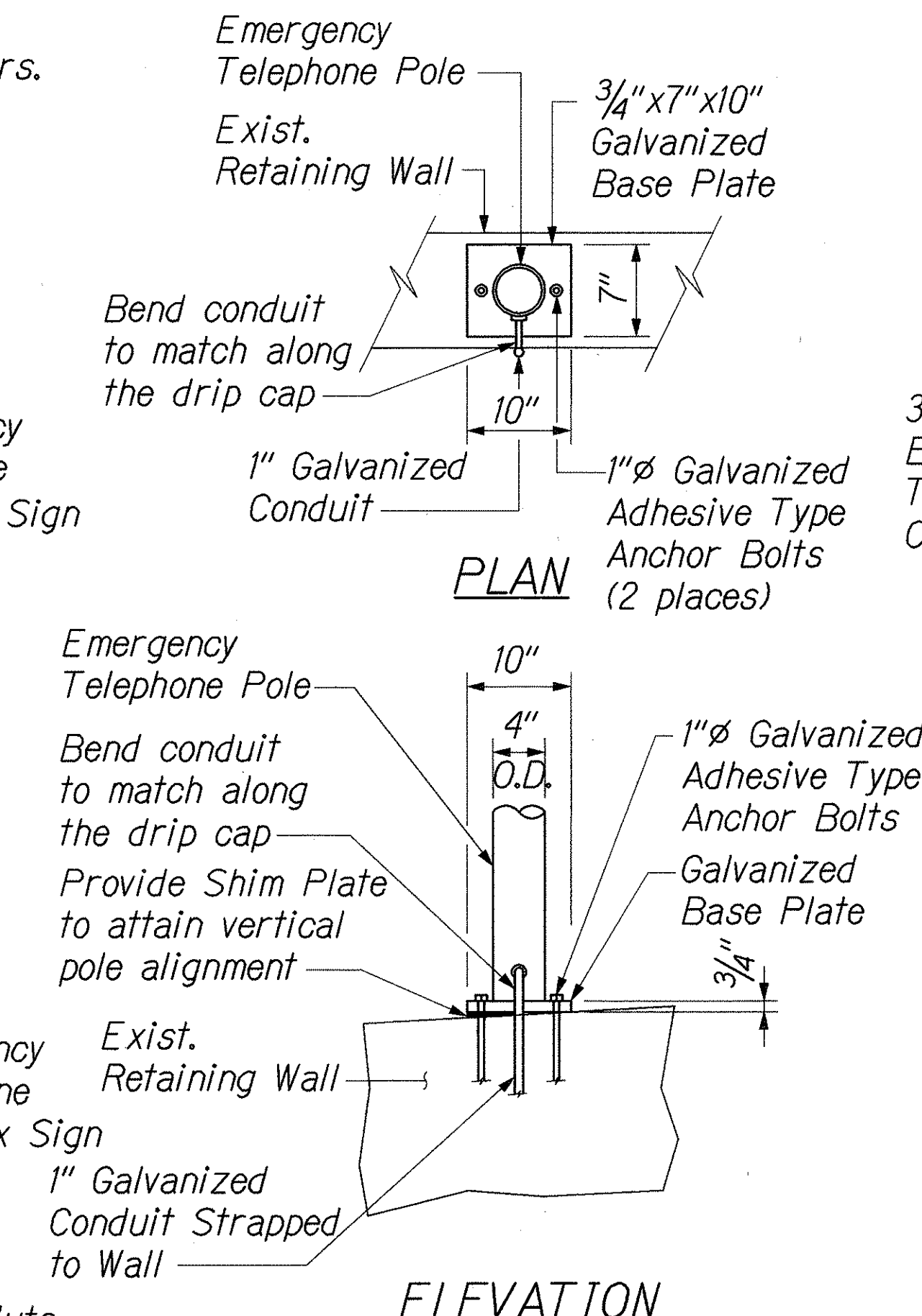
EMERGENCY TELEPHONE CALL BOX SIGN WALL MOUNTING DETAIL



DETAIL "A"



DETAIL "B"



POLE MOUNTING DETAIL

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
NO.	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS - 3

INTERSTATE ROUTE H-1
INSTALLATION OF EMERGENCY TELEPHONES
PALALAI INTERCHANGE TO HALAWA INTERCHANGE
FEDERAL AID INTERSTATE PROJECT NO. 1M-HI-1(233)
SCALE: NONE
DATE: AUGUST, 2000

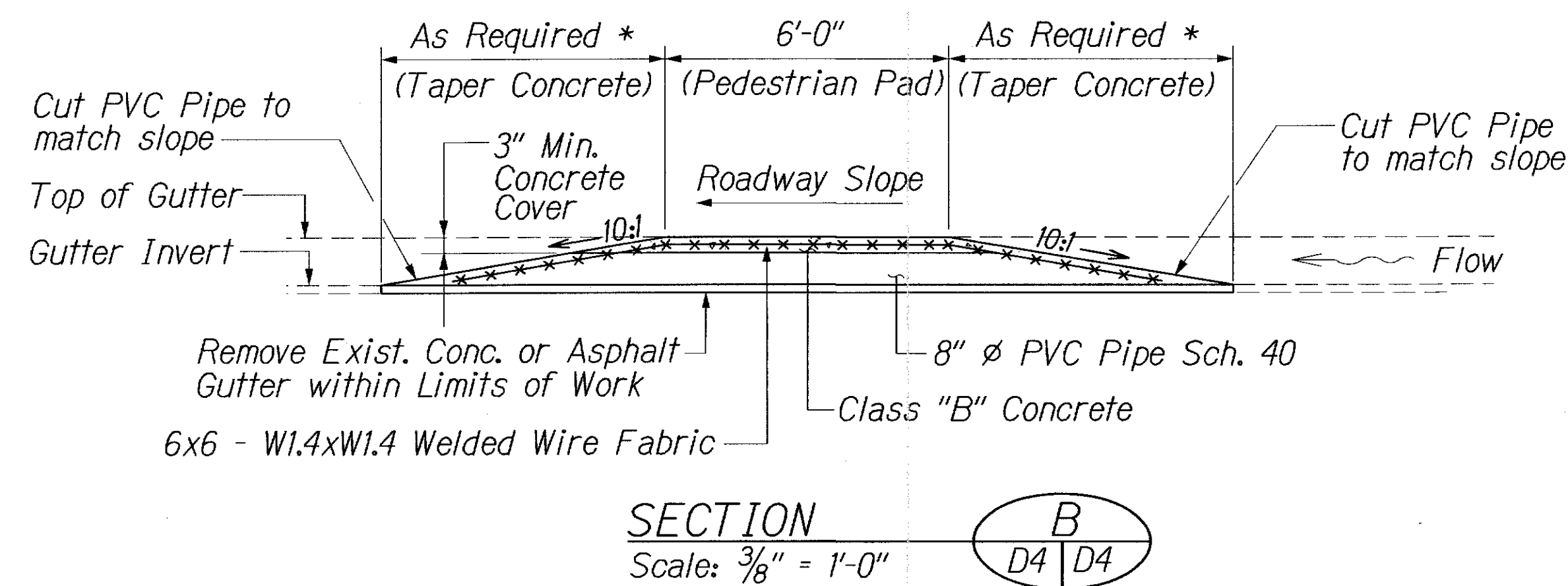
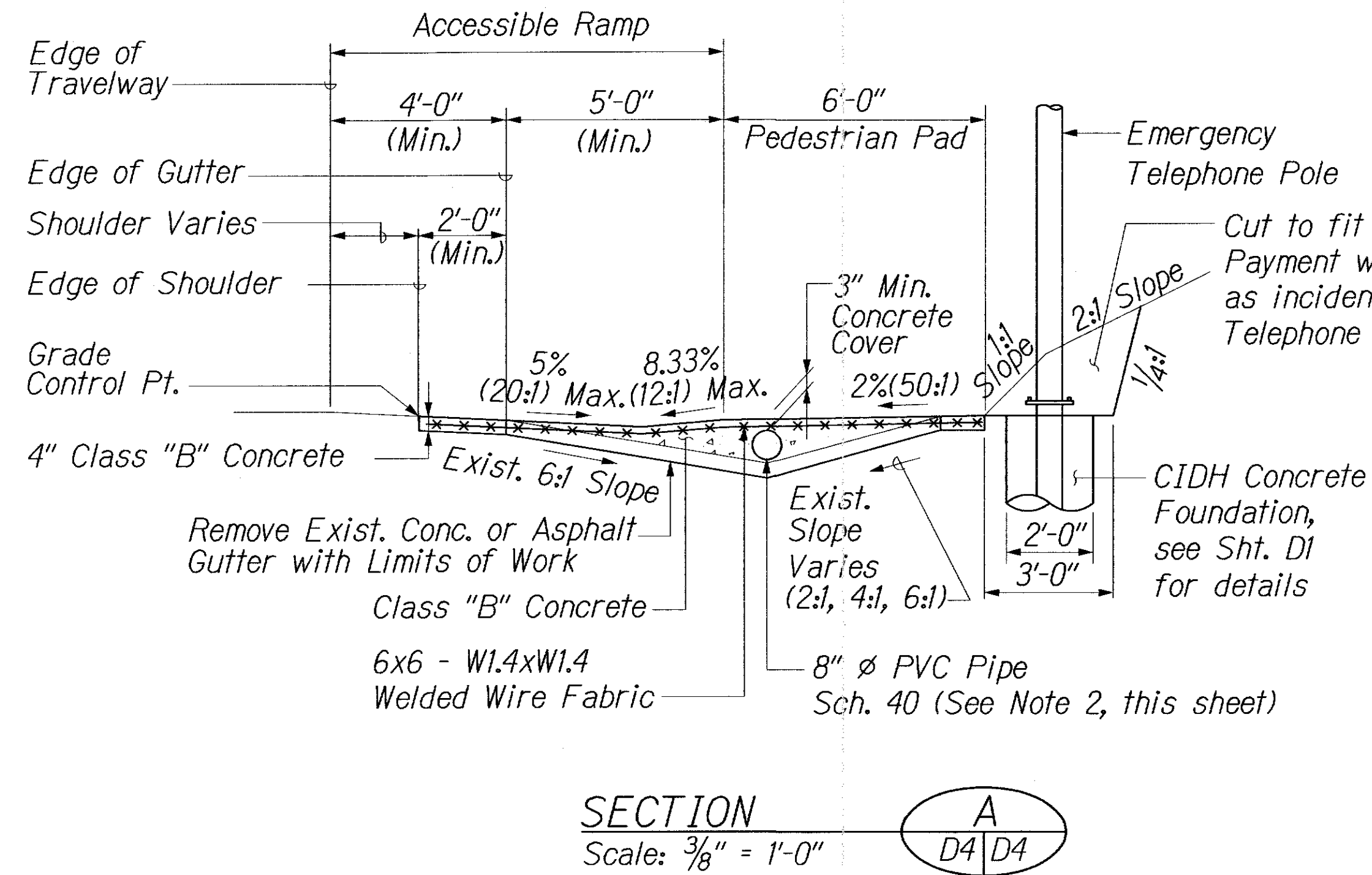
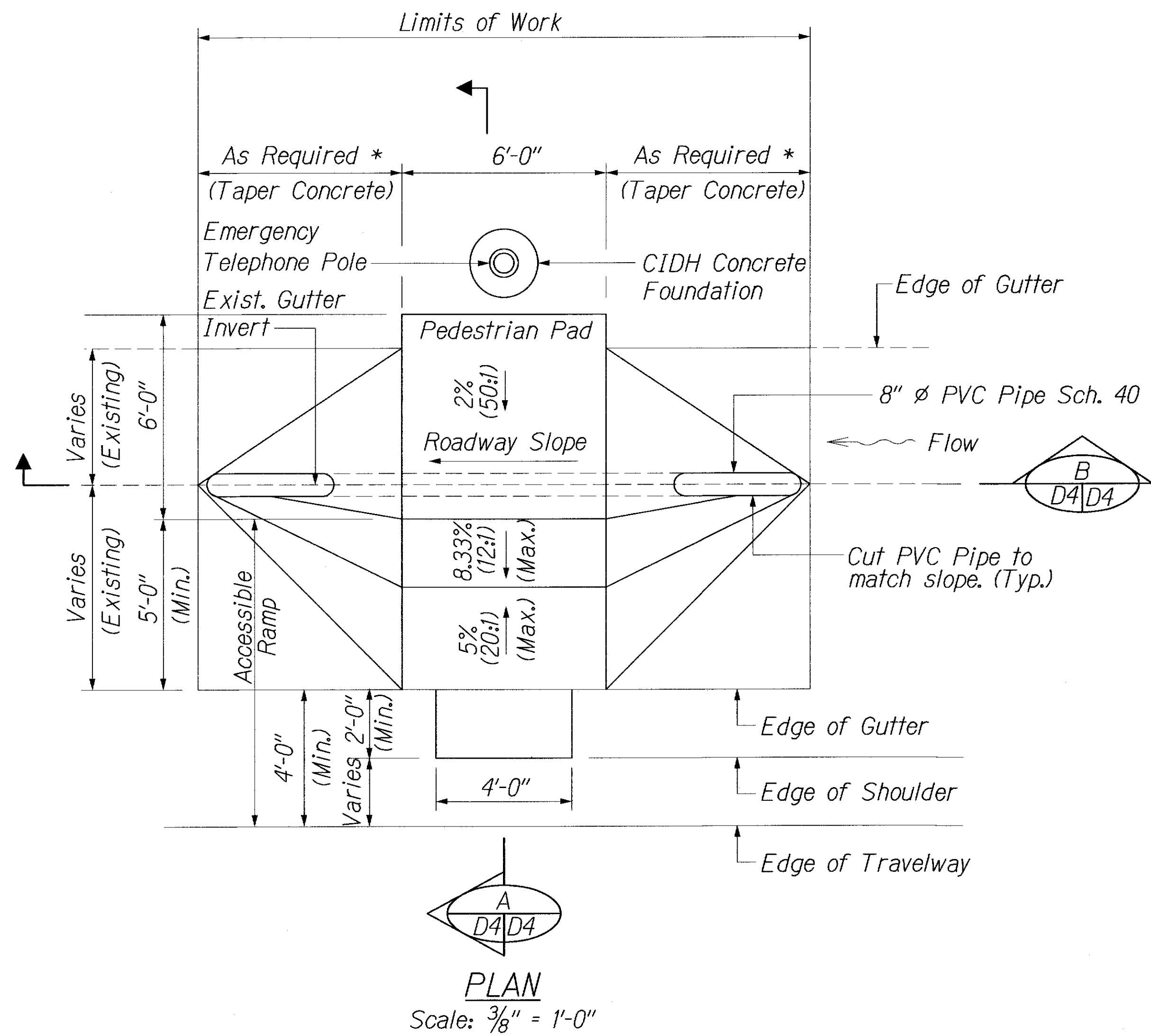
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Perry M. Small

PERRY M. SMALL
LICENSED PROFESSIONAL ENGINEER
No. 8627-C
HAWAII, U.S.A.

SHEET No. D3 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-(K233)	2001	C.O. 12	12



- NOTES:**
- Furnishing and installing of PVC pipe shall be considered part of the Concrete Pedestrian Access, and payment thereof will be considered as incidental to Concrete Pedestrian Access Contract unit price.

* As Required	
Gutter Type	Taper Length
61616	N/A
61618	N/A
616110	10 Ft.
61416	N/A
61418	N/A
614110	10 Ft.
61216	N/A
61218	10 Ft.
612110	13 Ft.

**CONCRETE PEDESTRIAN PAD WITH
ACCESSIBLE RAMP OVER EXISTING CONCRETE GUTTER
WITH 8" DIA. PVC RELIEF PIPE @ INVERT**

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

4/17/02	Revise Description, Ramp Cross slope, and Replace "Roughen Surface" with "Remove Exist. Conc. or Asphalt Gutter within Limit of Work." Remove Note #2.
---------	--

DATE	REVISION
------	----------

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

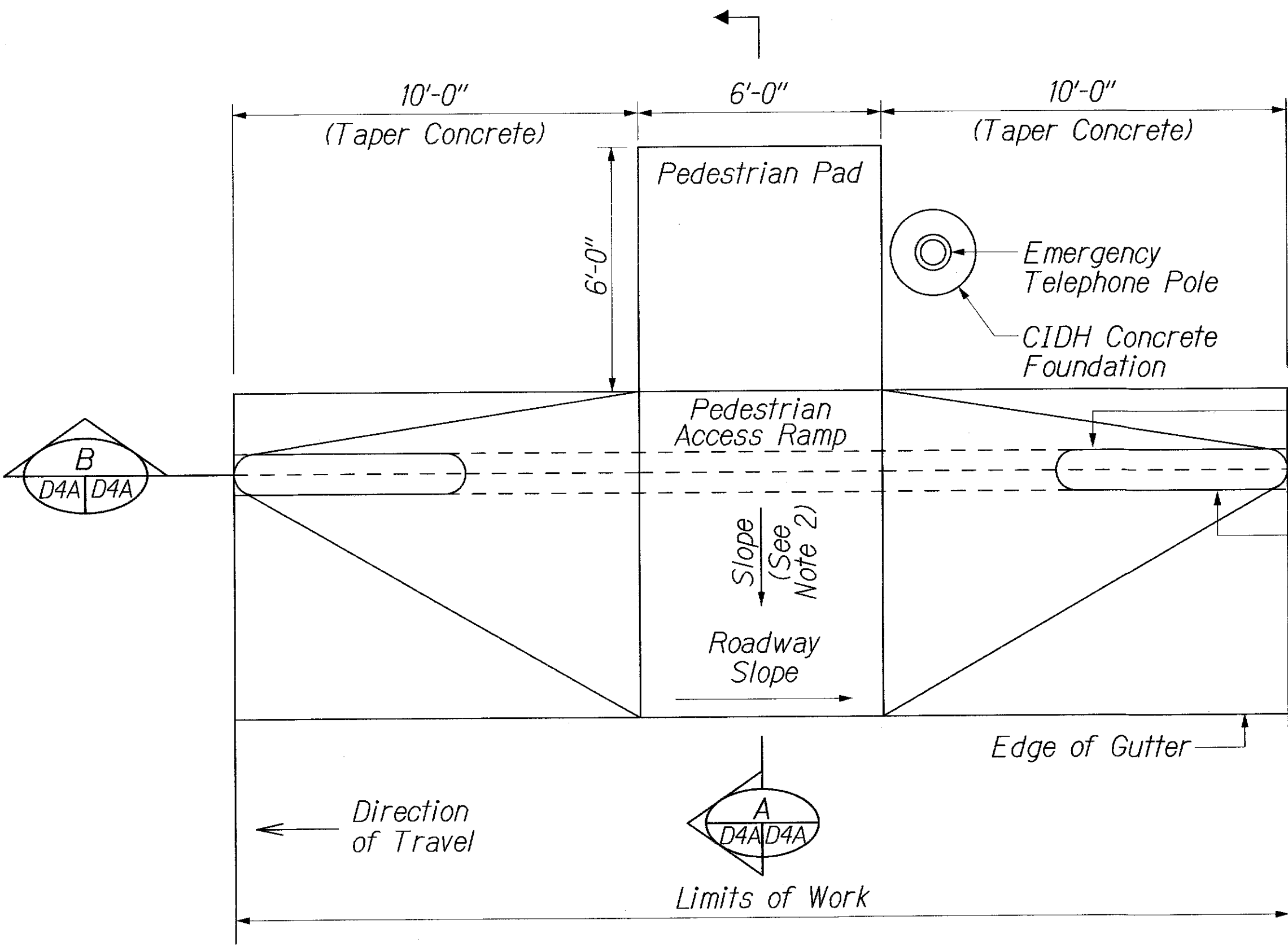
MISCELLANEOUS DETAILS - 4

INTERSTATE ROUTE H-1
INSTALLATION OF EMERGENCY TELEPHONES
PALAILAI INTERCHANGE TO HALAWA INTERCHANGE
FEDERAL AID INTERSTATE PROJECT NO. 1M-HI-(K233)

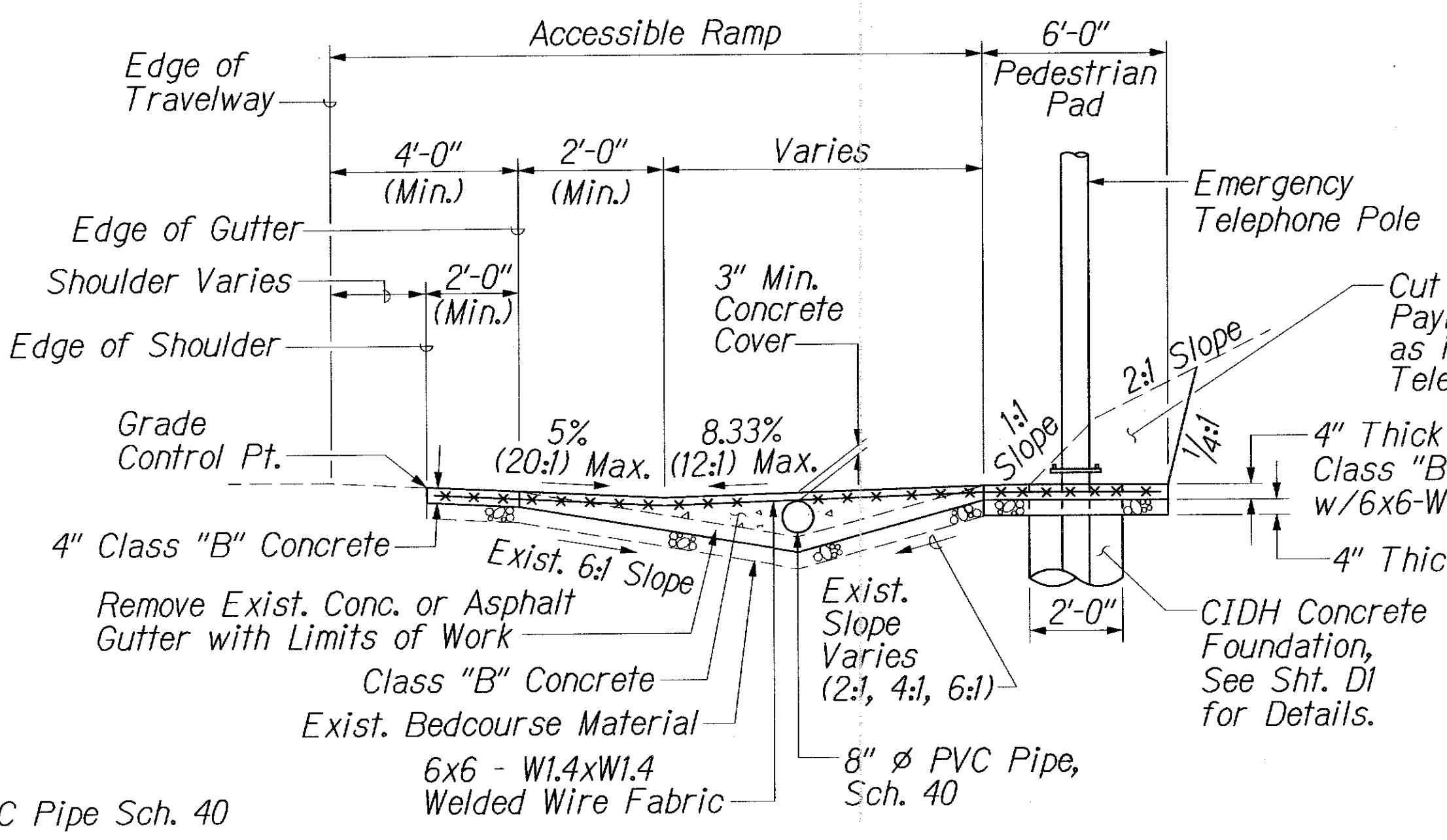
SCALE: AS SHOWN DATE: AUGUST, 2000

SHEET No. D4 OF 4 SHEETS

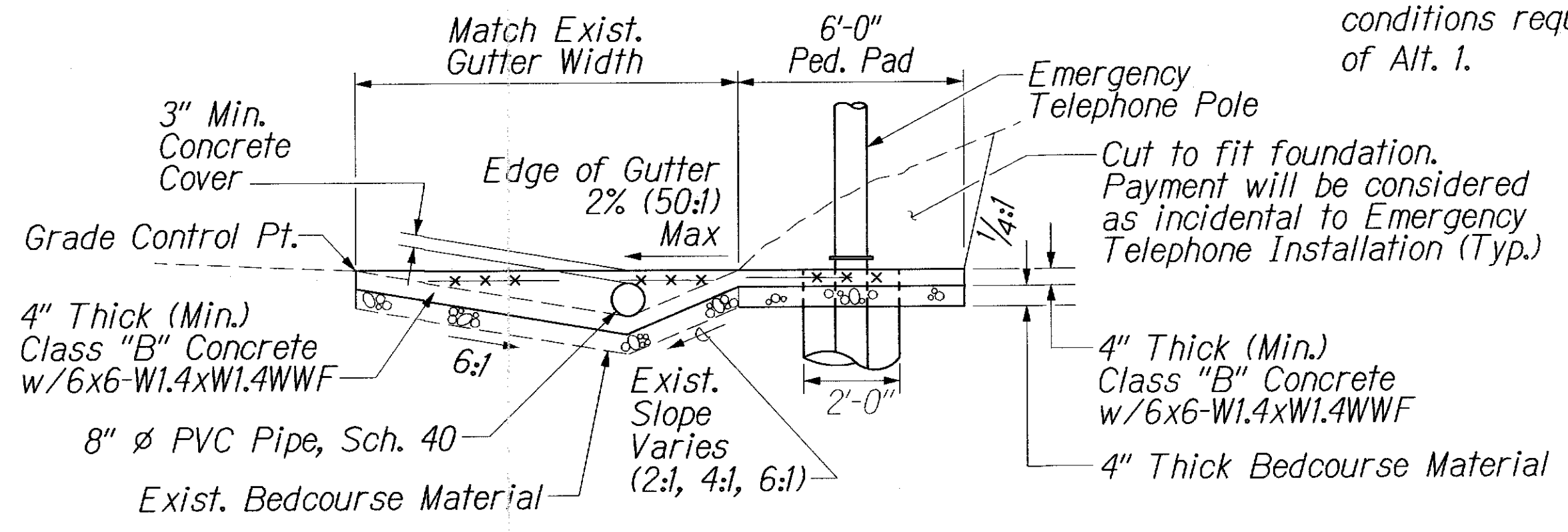
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(233)	2001	C.O.12S1	12



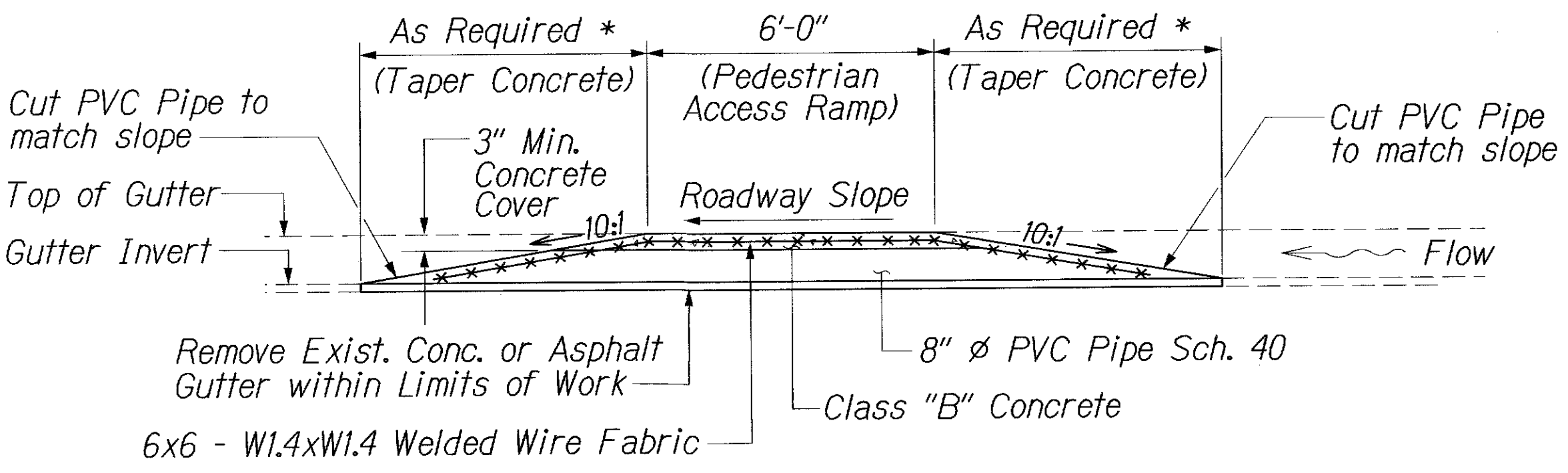
PLAN
Not To Scale



SECTION (ALT. 1)
Scale: 3/8" = 1'-0"



SECTION (ALT. 2)
Not to Scale



SECTION
Scale: 3/8" = 1'-0"

* As Required	
Gutter Type	Taper Length
61616	N/A
61618	N/A
616110	10 Ft.
61416	N/A
61418	N/A
614110	10 Ft.
61216	N/A
61217	9 Ft.
61218	10 Ft.
612110	13 Ft.

CONCRETE PEDESTRIAN PAD WITH
ACCESSIBLE RAMP OVER EXISTING CONCRETE GUTTER
WITH 8" DIA. PVC RELIEF PIPE @ INVERT

- NOTES:**
- Furnishing and installing of PVC pipe shall be considered part of the Concrete Pedestrian access, and payment thereof will be considered as incidental to Concrete Pedestrian Access Contract unit price.
 - Where 3" Minimum Concrete Cover cannot be achieved, Alt. 2 may be used. All other conditions require the use of Alt. 1.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS - 5

INTERSTATE ROUTE HI-1
INSTALLATION OF EMERGENCY TELEPHONES
PALAILAI INTERCHANGE TO HALAWA INTERCHANGE
FEDERAL AID INTERSTATE PROJECT NO. 1M-HI-1(233)

SCALE: AS SHOWN
DATE: AUGUST, 2000

SHEET No. D4A OF 4 SHEETS