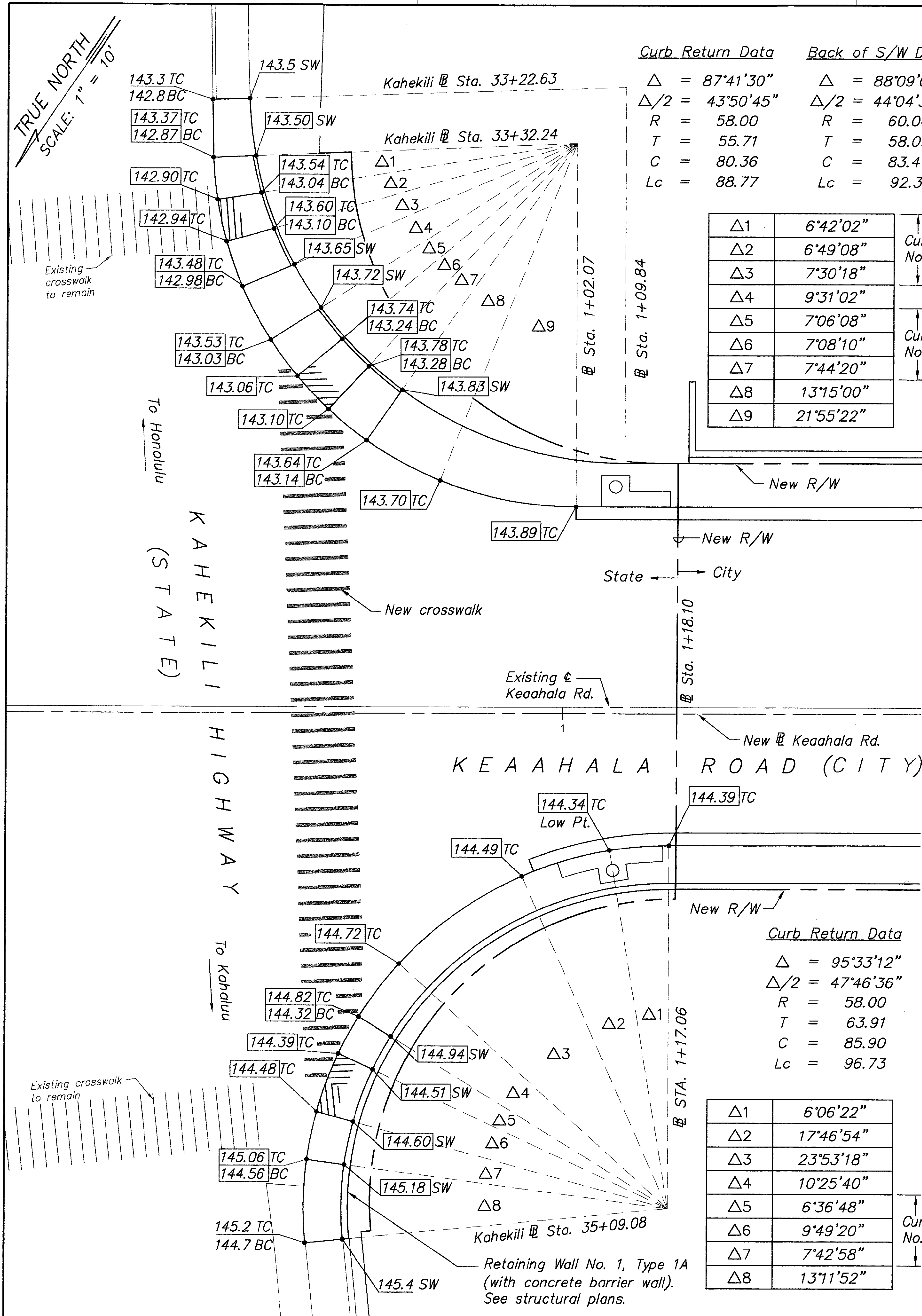


DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTED	_____
No.	_____

FILE: DOT95120
 SCALE: 1"=10'
 BEG: 09/16/98
 PM: MNN
 OPR: RGA, *MNN, MSM
 CTB: STATE20
 REVISED: 04/24/2000



Curb Return Data	Back of S/W Data
$\Delta = 87^{\circ}41'30''$	$\Delta = 88^{\circ}09'03''$
$\Delta/2 = 43^{\circ}50'45''$	$\Delta/2 = 44^{\circ}04'31.5''$
$R = 58.00$	$R = 60.00$
$T = 55.71$	$T = 58.09$
$C = 80.36$	$C = 83.47$
$Lc = 88.77$	$Lc = 92.31$

$\Delta 1$	6°42'02"
$\Delta 2$	6°49'08"
$\Delta 3$	7°30'18"
$\Delta 4$	9°31'02"
$\Delta 5$	7°06'08"
$\Delta 6$	7°08'10"
$\Delta 7$	7°44'20"
$\Delta 8$	13°15'00"
$\Delta 9$	21°55'22"

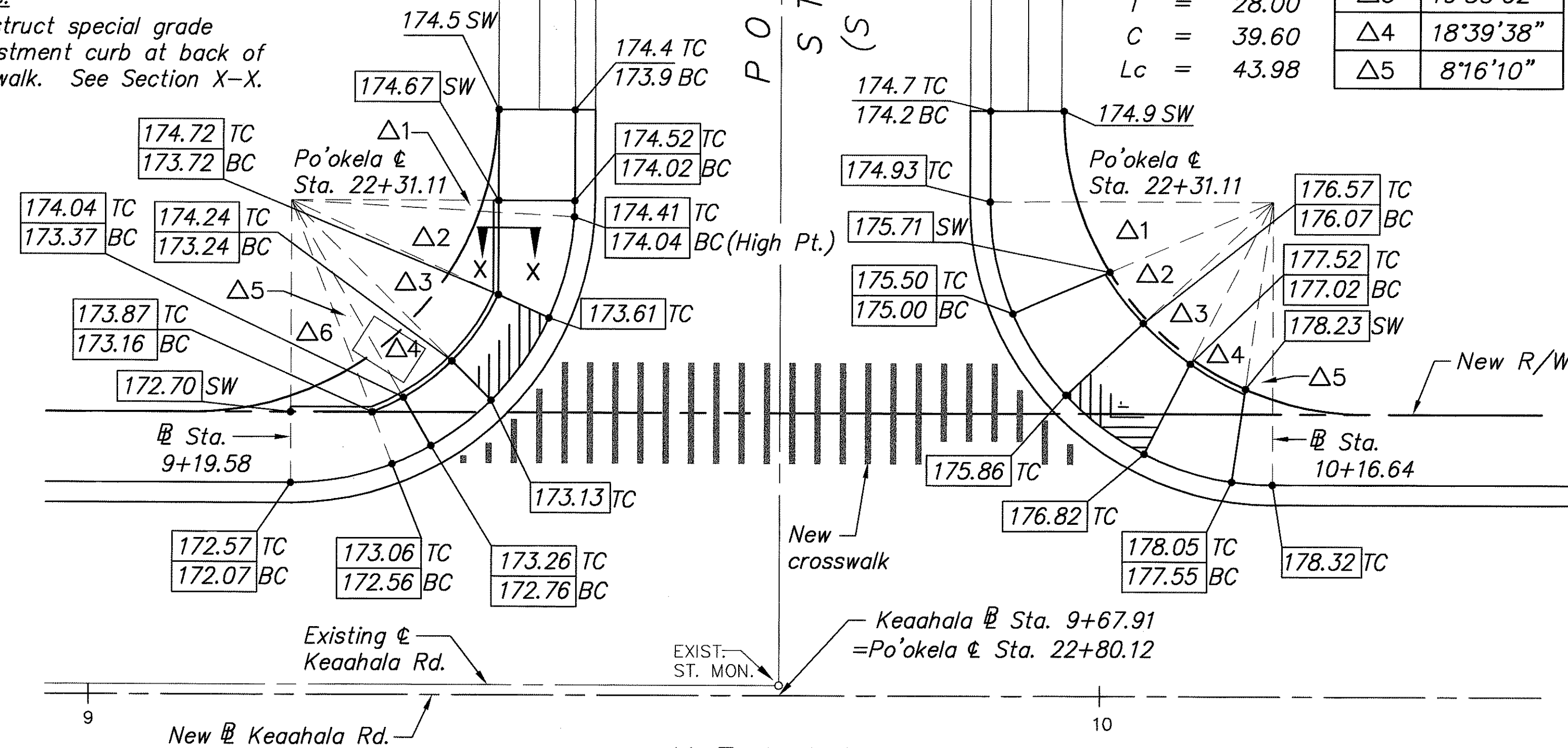
Curb Return Data
$\Delta = 95^{\circ}33'12''$
$\Delta/2 = 47^{\circ}46'36''$
$R = 58.00$
$T = 63.91$
$C = 85.90$
$Lc = 96.73$

$\Delta 1$	6°06'22"
$\Delta 2$	17°46'54"
$\Delta 3$	23°53'18"
$\Delta 4$	10°25'40"
$\Delta 5$	6°36'48"
$\Delta 6$	9°49'20"
$\Delta 7$	7°42'58"
$\Delta 8$	13°11'52"

Curb Return Data
$\Delta = 90^{\circ}00'$
$\Delta/2 = 45^{\circ}00'$
$R = 28.00$
$T = 28.00$
$C = 39.60$
$Lc = 43.98$

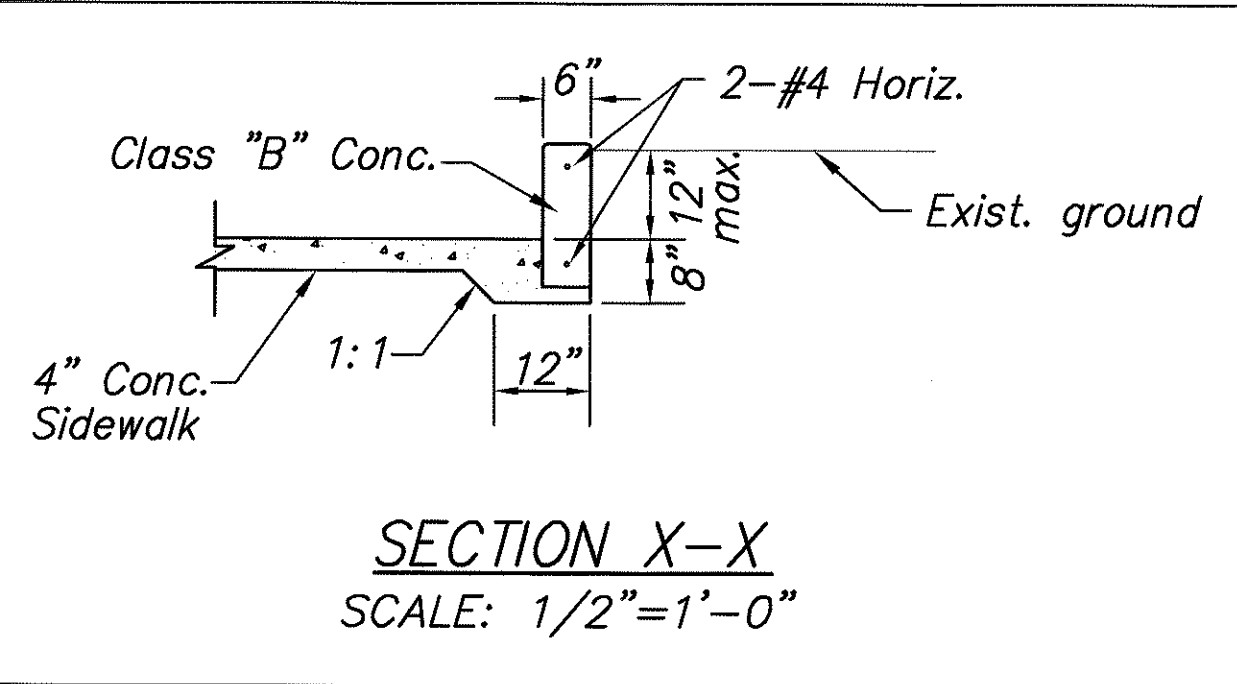
$\Delta 1$	3°15'20"
$\Delta 2$	21°14'01"
$\Delta 3$	20°30'39"
$\Delta 4$	15°16'44"
$\Delta 5$	8°40'54"
$\Delta 6$	21°02'22"

Note:
 Construct special grade adjustment curb at back of sidewalk. See Section X-X.



Curb Return Data
$\Delta = 90^{\circ}00'$
$\Delta/2 = 45^{\circ}00'$
$R = 28.00$
$T = 28.00$
$C = 39.60$
$Lc = 43.98$

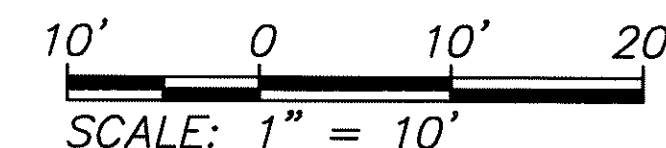
$\Delta 1$	23°18'24"
$\Delta 2$	19°50'46"
$\Delta 3$	19°55'02"
$\Delta 4$	18°39'38"
$\Delta 5$	8°16'10"



LEGEND

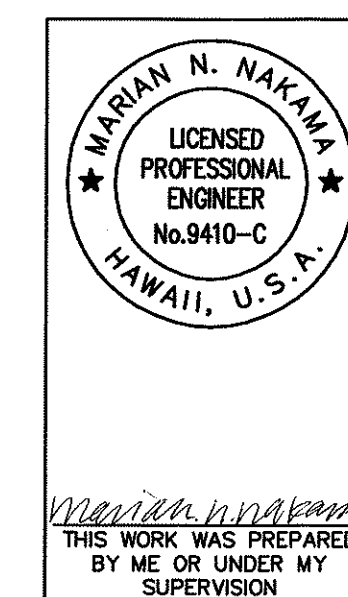
- TC Top of Curb
- BC Bottom of Curb
- SW Sidewalk
- 173.14 Finish elevation
- 173.1 Match Existing Grade

Note:
 See Curb Ramp Details, Sht. 17 for additional details.



APPROVED:

M. 70
 Chief, Civil Engineering Branch
 Dept. of Planning & Permitting
 City & County of Honolulu
 Date 5/4/00



STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

CURB RETURN GRADES

KEAAHALA ROAD WIDENING
 KAHEKILI HIGHWAY TO PO'OKELA STREET
 State Project No. HWY-0-03-97

Scale: As shown Date: April 2000

SHEET NO. C-16 OF C-55 SHEETS

ADD16