

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(93)	2005	163	171

NOTES FOR ALA MOANA BLVD.

1. The scope of work for includes constructing channelizing islands and curb ramp improvements.
2. The Contractor is reminded of the requirements of Subsection 108.01-Subletting of Contract, which requires him to perform work amounting to more than 30 percent of the total contract cost less deductible items. Non-compliance with this Subsection may be grounds for rejection of bid.
3. The Contractor's attention is directed to the following sections of the Special Provisions:  
Subsection 107.13 - Public Convenience and Safety  
Subsection 107.21 - Contractor's Responsibility for Utility Property and Services  
Section 645 - Traffic Control Devices
4. The topographic survey map was provided by the State of Hawaii D.O.T.: Data Folder 837; Calculation Folder 571; and Field Books 405, 405a, and 405b. Benchmarks used were based on the following controls: azimuths and elevations referenced to State Monument "SS-2-3K Reset" within Ala Moana Beach Park across from the entrance to Ala Moana Shopping Center, elevation = 4.63, Brass Disk. See Sheet AC-4. Layout of existing curb ramps and curb islands at the Ala Moana Shopping Center Diamond Head Exit are based on as-built record drawings for the Ala Moana Center-Phase V-A Expansion, Bus Transit Center-Phase II.
5. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public vehicles and pedestrian traffic.
6. Locations of existing underground structures and utilities such as pipelines, conduits, cables, manholes, monuments, and structures shown on the Plans are approximate only. It is not the intent of these Plans to show the exact location of all underground utilities and structures. It is the responsibility of the Contractor to verify the locations of all existing utilities with the respective owners. Existing utilities damaged by the Contractor shall be repaired by the Contractor at his own expense.
7. A minimum of 36 inches clear width and 96 inches headroom clearance height shall be provided along walkways.
8. Smooth riding connections shall be constructed at all limits of paving, including the beginning and end of project, connecting approaches, side streets, walkways and driveways as shown on the plans and/or as directed by the Engineer.
9. The Contractor shall provide for access to and from all existing side streets at all times.
10. All construction work shall be done in accordance with these plans, all applicable sections of the Standard Specifications for Road, Bridge and Public Works Construction, dated 1994 as amended, of the State Highways Division, Dept. of Transportation and the project's Special Provisions, unless otherwise specified.

11. The Contractor shall provide, install and maintain all necessary signs, lights, flares, temporary concrete guardrails, barricades, markers, cones and other protective facilities and shall take all necessary precautions for the protection and for the convenience and safety of public traffic. All such protective facilities and precautions to be taken shall conform with the "Rules and Regulations Governing the Use of Traffic Control Devices at Work Sites On or Adjacent to Public Streets and Highways" adopted by the Highway Safety Coordinator and the U.S. Federal Highway Administration's "Manual on Uniform Traffic Control Devices for Streets and Highways, Part VI - Traffic Controls for Highway Construction and Maintenance Operations," Millennium Edition and all revisions.
12. The underground pipes, cables or ductlines known to exist by the Engineer from his search of records are indicated on the plans. The Contractor shall verify the location and depth of the facilities and exercise proper care in excavating in the area. Wherever connections of new utilities to existing utilities are shown on the plans, the Contractor shall expose the existing utility lines at the proposed connections to verify their locations and depths prior to excavation for the new lines.
13. The Contractor shall remove all silt and debris resulting from his work and deposited in drainage facilities, roadways and other areas. The costs incurred for any necessary remedial action by the Contractor shall be at his expense.
14. The Contractor, at his own expense, shall keep the project area and surrounding area from dust nuisance. The work shall be in conformance with the Air Pollution Control Standards and Regulations of the State Department of Health.
15. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way, except at locations designated in writing and approved by the District Engineer.
16. The Contractor shall provide an adequate and safe non-skid bridging material, including shoring, over trenches in pavement areas. The bridging shall be able to support all types of vehicular traffic.
17. The overhead and underground lines and facilities shall be protected at all times by the Contractor during construction. Costs for any damage repairs to lines and facilities shall be borne by the Contractor.
18. All saw cutting work shall be considered incidental to other items of work in the Proposal.
19. The Contractor shall exercise care to minimize damages to existing highway improvements. All damages shall be repaired by the Contractor, at his expense, to the satisfaction of the Engineer.
20. Driveways shall be kept open unless the owners of the properties using these right-of-ways are otherwise provided for satisfactorily.

21. Where pedestrian walkways exist, they shall be maintained in a safe and passable condition, or other facilities for pedestrians shall be provided. Passages between walkways for pedestrians shall be provided. Passages between walkways at intersections shall likewise be provided. All pedestrian access shall be in compliance with ADAAG and HDOT Policies.
22. The Contractor shall take extra care of not disturbing the existing street monuments. The Contractor shall be responsible for any repair to the monuments if damaged during the Contractor's operations.
23. Existing drainage system shall be functional at all times.
24. The Contractor shall notify Oahu Transit Services, Inc., Ed Sniffen (848-4571) or Lowell Tom (843-4578), two (2) weeks prior to construction informing them of location, scope of work, proposal closure of any streets or lanes and the need to relocate any bus stops.
25. Pavement markings disturbed by the Contractor's operation shall be restriped and/or installed at his own expense.
26. Curb ramps not constructed according to the plans shall be reconstructed by the contractor at no cost to the State. Construction tolerance for Portland Cement Concrete shall be based on 1/4 inch per 10 linear ft. (±0.2%). Remedial measures will not be accepted.
27. Maximum curb ramp slopes shall govern over ramp dimensions shown on the plans. If ramp slopes exceed the maximum indicated, ramp dimensions shall be adjusted to satisfy the maximum slope and minimum landing area requirements at no cost to the State.
28. Transitions from ramps to walks, gutters, street approaches, and sidewalk transitions shall be flush and free of abrupt changes greater than 1/4 inch.
29. The Contractor shall not access any work via Ala Moana Beach Park. All Contractor personnel, equipment and vehicles shall use Ala Moana Boulevard for access.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

NOTES FOR ALA MOANA BLVD.

Pedestrian Facilities & ADA Compliance  
at Various Locations on Oahu, Unit 2  
Fed. Aid Proj. No. CMAQ-0300(93)

Date: August 2004

SHEET No. AC-1 OF 9 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY DRAWN BY TRACED BY DESIGNED BY CHECKED BY	DATE
NOTE BOOK No. 163	HW-110 HW-110 HW-110 HW-110 HW-110	



DEPARTMENT OF PARKS AND RECREATION (DPR) NOTES:  
(For work within areas under DPR jurisdiction)

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1. All indicated items are new unless otherwise noted.
2. The extent of removal as indicated is approximate. The Contractor shall verify the extent of removal work to properly accommodate his method of constructing new work as required. Additional removal, patching and restoration required to accommodate construction shall be considered incidental to the new work.
3. The Contractor shall protect all existing structures and other site improvements to remain. Any damages resulting directly or indirectly from the Contractor's operations shall be repaired and/or replaced to the satisfaction of the Officer-in-Charge at no additional cost to the City.
4. Locations of all existing utilities shown are approximate only. The Contractor shall exercise extreme caution in excavating near utilities. Any and all damage shall be immediately repaired and/or restored to its original condition by the Contractor at his cost. Utilities shall include but not be limited to electrical, telephone, sewer, water and irrigation systems, etc.
5. The Contractor shall not store or park equipment, vehicles and/or materials under the existing trees or within the park. Driving vehicles over tree roots is not permitted.
6. No tracked vehicles or equipment allowed.
7. Should a conflict occur between the new work and the existing irrigation systems, repair and/or relocation shall be done in accordance with the standard specifications for Irrigation and Water Systems of the Department of Parks and Recreation, City and County of Honolulu.
8. The Contractor shall be required to field verify and operate the existing irrigation, water and electrical systems to become familiar with the respective systems not affected by this project but within the project limits prior to start of demolition and construction. The Contractor shall coordinate operation of the various systems with the Parks and Recreation District Manager. However, upon commencement of the project the Contractor shall be responsible to protect, maintain and repair the portion of the existing systems within the project limits for the duration of the contract.
9. Existing sprinkler heads and quick connect valves may be buried. The Contractor shall locate, expose and verify these existing facilities prior to commencing with work.
10. The Contractor shall perform the relocation work in such a manner so shutting down of the existing water and sprinkler lines are kept to a minimum and adjust sprinklers to assure proper coverage and operation.
11. The Contractor shall coordinate all sprinkler relocation work with the Parks Maintenance and Recreation Services District Manager. The Contractor shall maintain all areas affected by his operations, including those areas outside his construction area that may be affected.
12. The underground pipes, cables or duct lines known to exist by the Engineer from his search of his records are indicated on the plans. The Contractor shall verify the locations and depths of the utilities and exercise proper care in excavating in the area.
13. The Contractor shall visit the site and verify all existing dimensions, as-built conditions, structures, site improvements, etc., prior to bidding.
14. Except for portions of the park grounds and facilities affected by this contract, the park facilities will be in use by the public. The Contractor shall include maintaining water for the facilities and irrigation of the fields and grounds to the satisfaction of the Officer-in-Charge and shall be considered incidental to the project. The Contractor shall provide full cooperation with the Department of Parks and Recreation to effectively maintain such use of the park facilities. Contact Parks Maintenance and Recreation Services District Manager, Rosalind Young, phone no. 522-7071, two weeks prior to start of work.
15. The Contractor shall coordinate his operations with those of other Contractors who may be employed on adjacent or related projects of the City and avoid unnecessary delay or hindrance in the performance of their respective contracts.
16. For all depressions, low spots, uprooted areas and problem spots as determined by DPR's Officer-in-Charge, the Contractor shall restore all affected areas acceptable to DPR's Officer-in-Charge.
17. The Contractor shall restore all damage caused by his operations to original condition or better at his own expense. All restoration work shall be done in accordance with the Department of Parks and Recreation Standards and acceptable to DPR's Officer-in-Charge.
18. The Contractor shall repair and refinish slabs, curbs and walls to match adjacent surfaces where exposed or damaged due to removal work or the construction.
19. Should plant restoration be required, all plant materials will be inspected and approved by DPR prior to delivery and being planted at the job site.
20. When necessary, all tree relocation and tree pruning (top and root) shall be done under the direct supervision of an arborist certified by the Urban Forestry Division, Department of Parks and Recreation. The Contractor shall notify Mr. Stan Oka, Urban Forestry Administrator, phone no. 971-7151, seven days prior to the start of work.
21. Maintenance of affected trees and grassing shall be for a minimum of 60 calendar days after establishment of landscaping.
22. All affected trees shall be guaranteed for one year. The Contractor shall replace with the same size and affected species if any trees fail to survive by the end of one year. Cost of this work, including notes 19 through 21 above, shall be considered incidental to various contract items.
23. Construction of improvements shall be done in accordance with the Standard Specifications and Standard Details of the Department of Public Works (as they may be applicable), the Park's Standard Details of the Department of Parks and Recreation and the project Specifications, as they may be applicable.
24. The Contractor shall be responsible to plan and construct best management practices (BMP) as required by his operations to comply with all laws, standards, rules and or policies of the City, State or Federal regulatory agencies. Upon acceptance of the project by the City, the Contractor shall be required to remove all best management practices and to restore the project site to its original conditions or better.
25. The Contractor shall obtain a Right-of-Entry to Parks Permit prior to construction.
26. Upon completion of all construction, the State shall submit a set of certified, reproducible as-built plans and specifications for the improvements completed to the Department of Design and Construction, Facilities Division, Parks Design for their files and records.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

DPR NOTES

Pedestrian Facilities & ADA Compliance  
at Various Locations on Oahu, Unit 2  
Fed. Aid Proj. No. CMAQ-0300(93)

Date: August 2004

SHEET No. AC-2 OF 9 SHEETS

VERIZON HAWAII INC. NOTES

1. The location of Verizon Hawaii Inc. (HTCO) existing facilities are approximate only. The Contractor shall exercise extreme caution and shall maintain proper clearances whenever construction crosses or is in close proximity to Verizon Hawaii Inc. facilities. The Contractor shall verify their locations and shall be liable for any damages to Verizon Hawaii Inc. facilities. Any damages shall be reported immediately to Verizon Hawaii Inc. Repair Section at 611 (24 Hours) or to the Excavation Permit Section at 840-1444 (normal work day hours, Monday thru Friday, except holidays).
2. For underground cable locating and marking, five working days advance notice is required. Three working days advance notice is required for any inspection by a designated representative.
3. The Contractor shall obtain an excavation permit and toning request from Verizon Hawaii Inc. Excavation Permit Section located at 3239 Ualena Street, 3rd floor, two weeks prior to the start of construction. Hours of business are 7:00 a.m. to 10:30 a.m. and 11:30 a.m. to 3:00 p.m., Monday thru Friday, except holidays.
4. The Contractor shall take necessary precaution not to damage any existing cables or conduits. Any work involving Verizon Hawaii Inc. cables or conduits shall be done in the presence of a Verizon Hawaii Inc. inspector or designated representative.
5. When excavation is adjacent to or beneath Verizon Hawaii Inc. existing structures or facilities, the Contractor shall
- a. sheet and/or brace the excavation to prevent slides, cave-ins, or settlements to ensure no movement to Verizon Hawaii Inc. structure or facilities.
- b. protect existing structures and/or facilities with beams, struts, or underpinning while excavating beneath them to ensure no movement to Verizon Hawaii Inc. structure or facilities.
6. The Contractor shall notify Verizon Hawaii Inc. inspector or designated representative a minimum of 72 hours prior to excavation, bracing, or backfilling of Verizon Hawaii Inc. structure or facilities.

USA SIGNAL CORPS NOTE

1. Any damage to the USA Signal Corps Cables shall be immediately reported to the Joint Trunking System Manager at 438-8070 or 348-0755.

CURB RAMP NOTES

1. All pullboxes shall be installed away from the curb ramp and within the sidewalk/unpaved area to the maximum extent feasible.
2. Where necessary, existing pullboxes, handholes, manholes, etc. shall be adjusted to match curb ramp grade. Adjustments shall not be paid for separately but shall be considered incidental to the various curb ramp items unless indicated otherwise.
3. Transitions from ramps to gutters and roadways shall be flush. If needed, a lip with a maximum vertical change in level of 1/4" is allowed.
4. Curb ramps and sidewalks shall be designed and constructed to eliminate ponding to the maximum extent feasible.
5. The pedestrian push button shall meet operational and reach requirements of the American with Disabilities Act Accessibility Guidelines (ADAAG):
- a) Forward Reach. The maximum height for forward reach shall be 48".
- b) Side Reach. The maximum height for side reach shall be 54".
6. There shall be a 30"x48" level ground surface (2% max. cross slope, both directions) for a forward or side approach, as appropriate, to a pedestrian push button.
7. Construction joints are required to join curb ramps with sidewalks.

LEGEND

- t— Existing Telephone Line
- tp Existing Telephone Pole
- tmh Existing Telephone Manhole
- tpb Existing Telephone Pullbox
- w-12— Existing Water Line w/ Size
- wmh Existing Water Manhole
- wv Existing Water Valve Box
- wm Existing Water Meter
- fh Existing Fire Hydrant
- mon. Existing Monument
- dmh Existing Storm Drain Manhole
- di Existing Drop Inlet
- cb Existing Catch Basin
- smh Existing Sewer Manhole
- sl6--- Existing Sewer Line w/ Size
- x— Existing Chain Link Fence
- P Existing Traffic Sign With 1 Post
- ☀sl Existing Highway Lighting Standard
- slb Existing Street Light Box
- ts Existing Traffic Signal Standard
- tsb Existing Traffic Pullbox
- ts--- Existing Traffic Signal Ducts
- icpb 16 Existing Interconnect Pullbox # No.
- ebbox or ebl Existing Electrical Box
- ir box Existing Irrigation Box
- util Existing Utility Box
- New Interconnect Pullbox # No.
- ICPB 10
- New Electrical Pullbox
- EPB 2

ABBREVIATIONS

- A.C. Asphalt Concrete
- BC Bottom of Curb
- Blvd. Boulevard
- ⊕ Base Line
- BW Bottom of Wall
- ⊕ Center Line
- CL Clear
- Conc. Concrete
- CRM Conc. Reinf. Masonry
- Dept. Department
- Det. Detail
- DOT Department of Transportation
- DOTS Department of Transportation Services
- E.W. Each Way
- Exist. Existing
- Exist. grd. Existing grade
- Ft. Feet
- FG Finish Grade
- Galv. Galvanize
- HECO Hawaiian Electric Co.
- HTCO Hawaiian Telephone Co. (Verizon Hawaii Inc.)
- Hwy. Highway
- Inv. Invert
- L.F. Linear Feet
- Lt. Left
- Max. Maximum
- Min. Minimum
- Mon. Monument
- No. Number

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- O.C. On Center
- O.D. Outside Diameter
- O/S Offset
- Pav't Pavement
- PC Point of Curvature
- PCC Point of Compound Curve
- PPB Pedestrian Push Button
- PT Point of Tangency
- R Radius
- RCP Reinforced Concrete Pipe
- Req'd Required
- Rt. Right
- R/W Right-of-Way
- Shldr. Shoulder
- Sht. Sheet
- Sta. Station
- Std. Standard
- TC Top of Curb
- Thk. Thick
- TMK Tax Map Key
- TW Top of Wall
- Typ. Typical
- W.W.F. Welded Wire Fabric

8. Unless otherwise noted, new gutters are required as shown.
9. All curb ramps shall be reinforced with 6x6 W1.4/W1.4 WWF, except Curb Ramp 5 (Sht. No. AC-7), which shall be reinforced with 6x6 W2.9/W2.9 WWF.
10. Surface of sidewalks and curb ramps shall be firm, stable, and slip-resistant. This includes the surfaces of pullboxes, valve covers, manhole covers, etc.
11. 6-Inch bed course material is required for curb ramps, sidewalks, and gutters as shown in the plans. Bed course materials shall be considered incidental to curb ramp, sidewalk or gutter.
12. If a curb ramp is not constructed according to the plans, the Contractor shall reconstruct the curb ramp at no cost to the State. Construction tolerance for Portland Cement Concrete shall be based on 1/4 inch per 10 linear feet (±0.2%). Remedial measures will not be accepted.
13. Additional information is available from:
- a) American with Disabilities Act Accessibility Guidelines (ADAAG), September 1998, The Access Board.
- b) Accessible Rights-of-Way: A Design Guide, November 1999, The Access Board.
- c) Designing Sidewalks and Trails for Access, July 1999, FHWA.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

NOTES, ABBREVIATIONS  
AND LEGEND

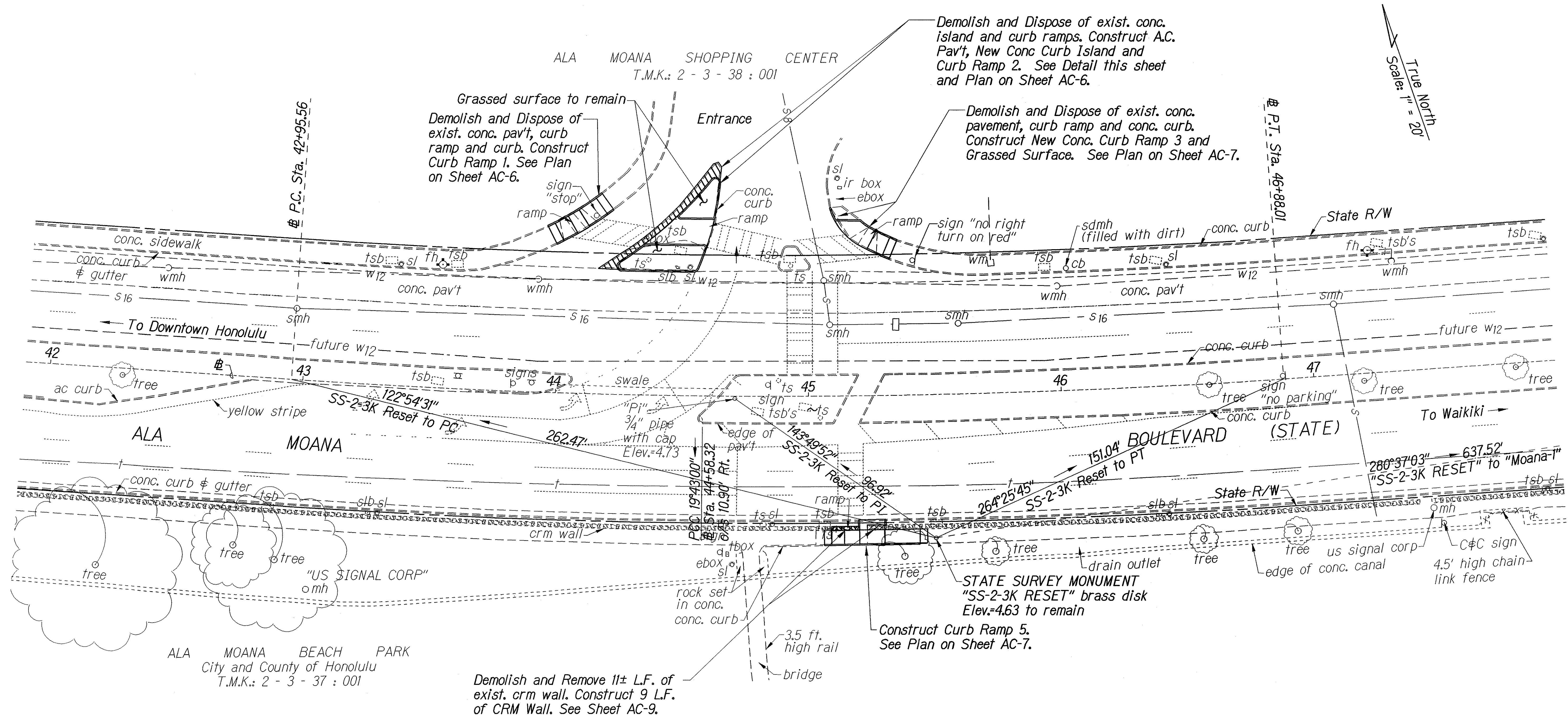
Pedestrian Facilities & ADA Compliance  
at Various Locations on Oahu, Unit 2  
Fed. Aid Proj. No. CMAQ-0300(93)

Date: August 2004

SHEET No. AC-3 OF 9 SHEETS



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# Notes:

- Layout of Curb Ramps shall be done by the Contractor and accepted by the Engineer prior to construction of the Curb Ramps.
- The Contractor shall modify the existing irrigation system within Ala Moana Shopping Center and Ala Moana Beach Park to provide sufficient irrigation coverage to New Grassed Areas. Costs for modifying the existing irrigation system shall be incidental to the various contract items. All irrigation work within the park shall conform to DPR Standard Specifications and DPR Standard Details for irrigation.
- The Contractor is alerted to the presence of the existing State Survey Monument "SS-2-3K RESET" within the conc. walkway in Ala Moana Beach Park near Curb Ramp 5. The Contractor shall take all necessary precautions during his/her operations to avoid disturbance of the existing State Survey Monument. All costs associated with the work required to reset the State Survey Monument resulting from disturbance by the Contractor's operations shall be borne by the Contractor.
- The Contractor shall make the necessary provisions to provide a minimum 3 foot-wide accessible route and temporary curb ramps for pedestrian access at all times during construction. Accessible routes shall be firm and stable for wheelchairs and shall be constructed in accordance with ADAAG requirements.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

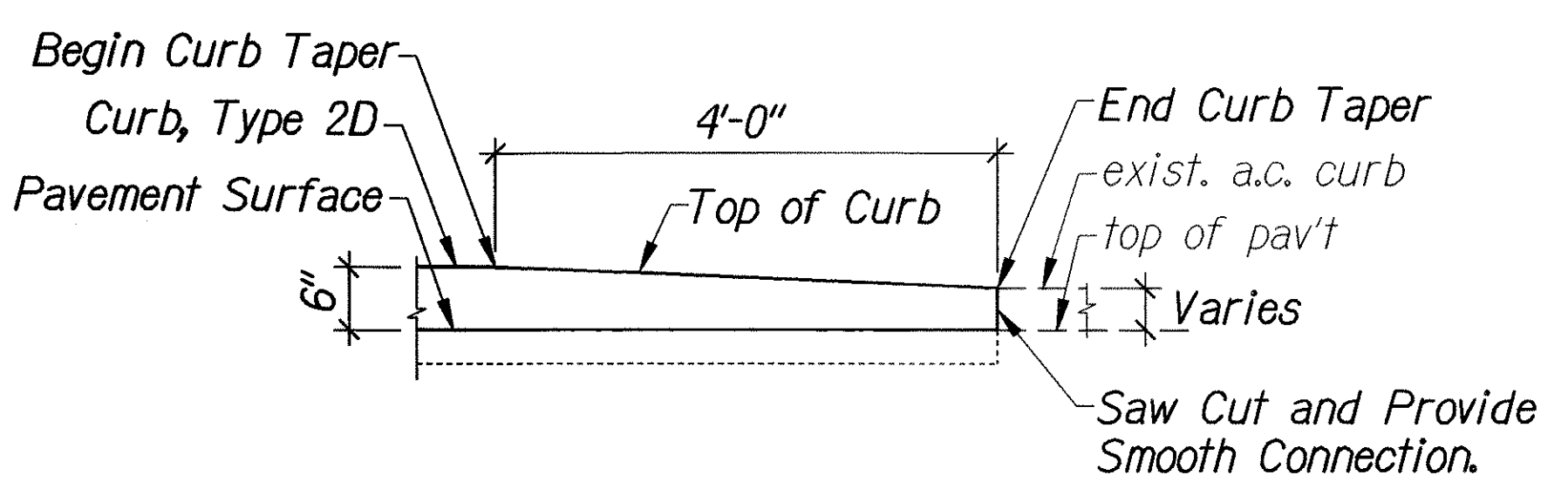
**ROADWAY PLAN-ENTRANCE**  
Ala Moana Blvd. @ Sta. 41+10 to 48+00  
Pedestrian Facilities & ADA Compliance  
at Various Locations on Oahu, Unit 2  
Fed. Aid Proj. No. CMAQ-0300(93)

Scale: 1"=20'  
Date: August 2004

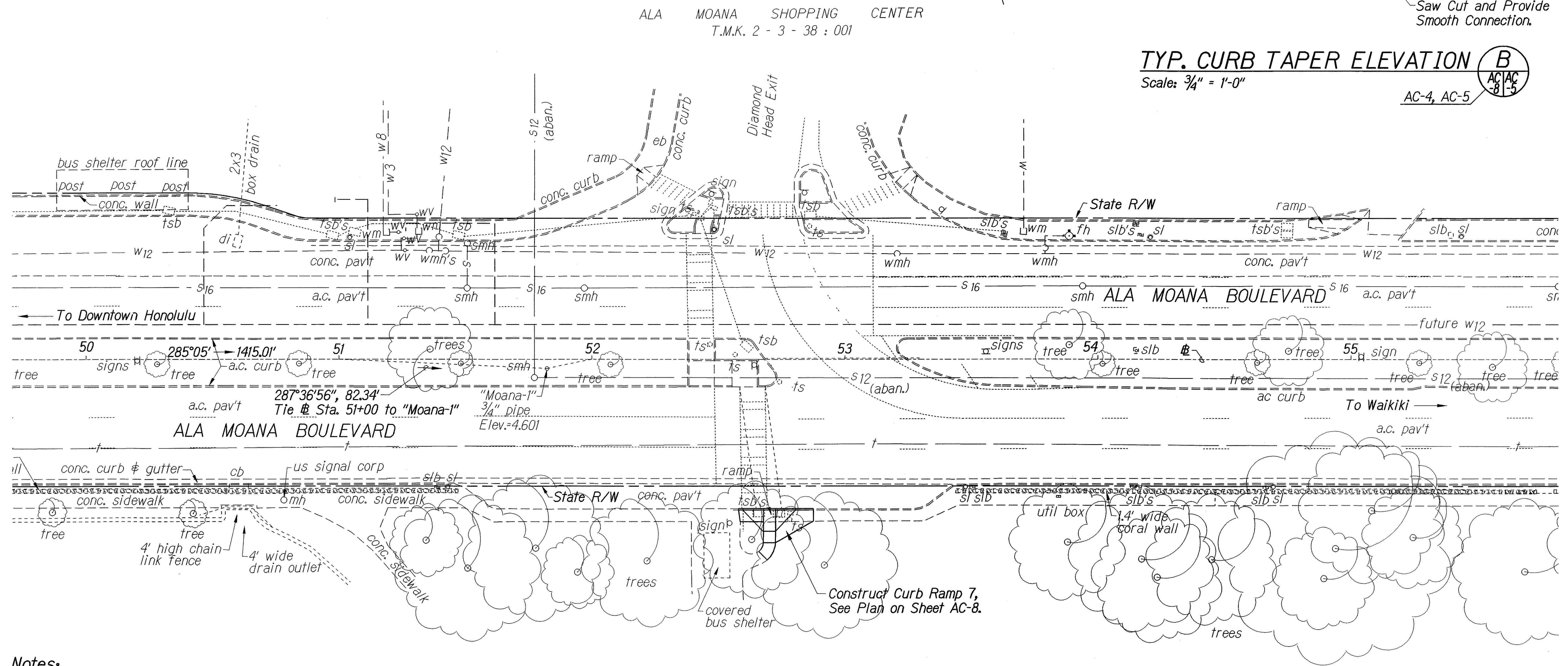
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**TYP. CURB TAPER ELEVATION** B  
 Scale: 3/4" = 1'-0"  
 AC-4, AC-5



- Notes:**
1. Layout of Curb Ramps shall be done by the Contractor and accepted by the Engineer prior to construction of the Curb Ramps.
  2. The Contractor shall modify the existing irrigation system within Ala Moana Shopping Center and Ala Moana Beach Park to provide sufficient irrigation coverage to landscaped areas. Cost for modifying the existing irrigation system shall be incidental to the various contract items.
  3. The Contractor shall make the necessary provisions to provide a minimum 3 foot-wide accessible route and temporary curb ramps for pedestrian access at all times during construction.

ALA MOANA BEACH PARK  
 (City and County of Honolulu)  
 T.M.K.: 2 - 3 - 37 : 001

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**ROADWAY PLAN-EXIT**

**Ala Moana Blvd. # Sta. 49+70 to 55+80**

**Pedestrian Facilities & ADA Compliance**  
**at Various Locations on Oahu, Unit 2**

**Fed. Aid Proj. No. CMAQ-0300(93)**

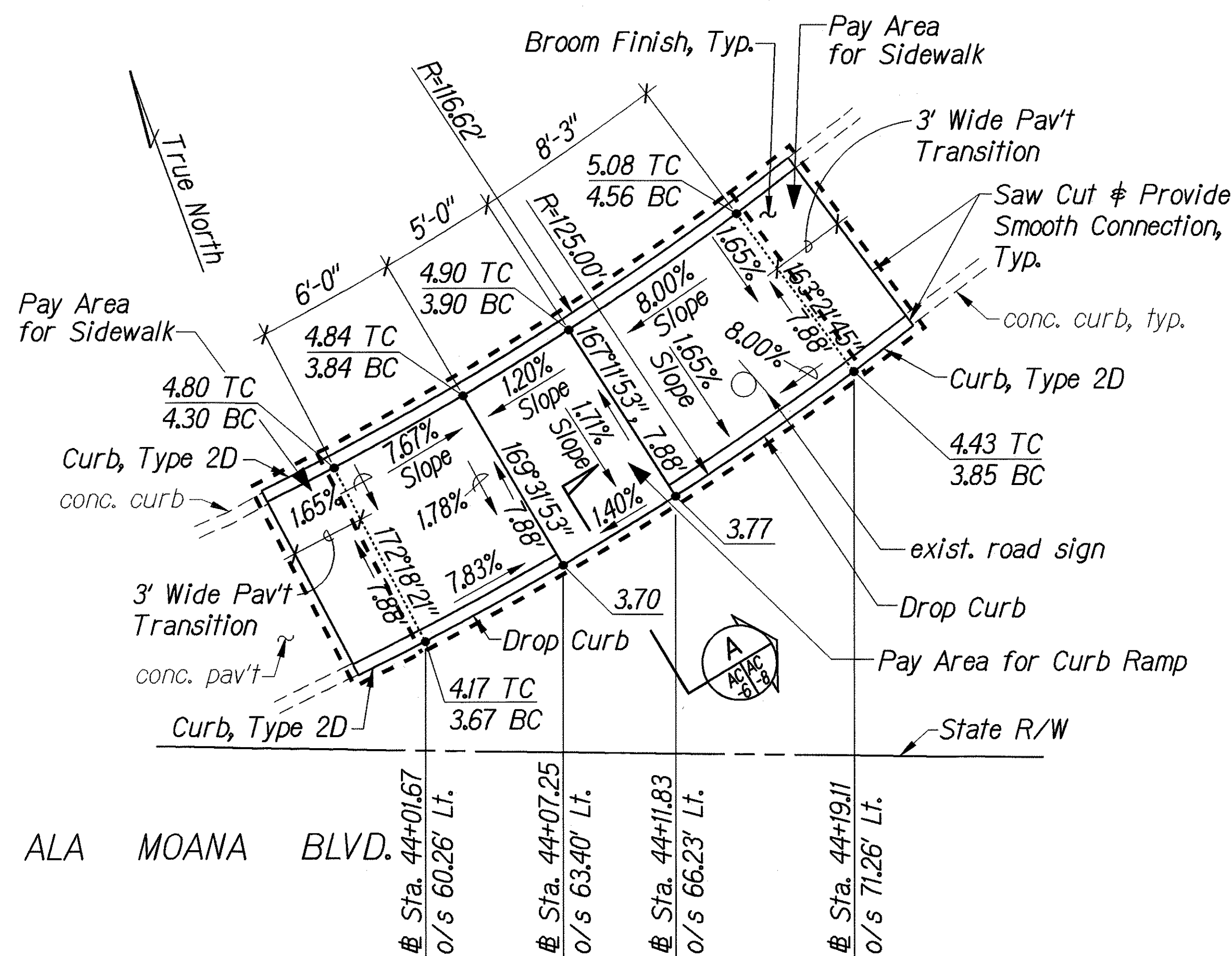
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SHEET No. AC-5 OF 9 SHEETS

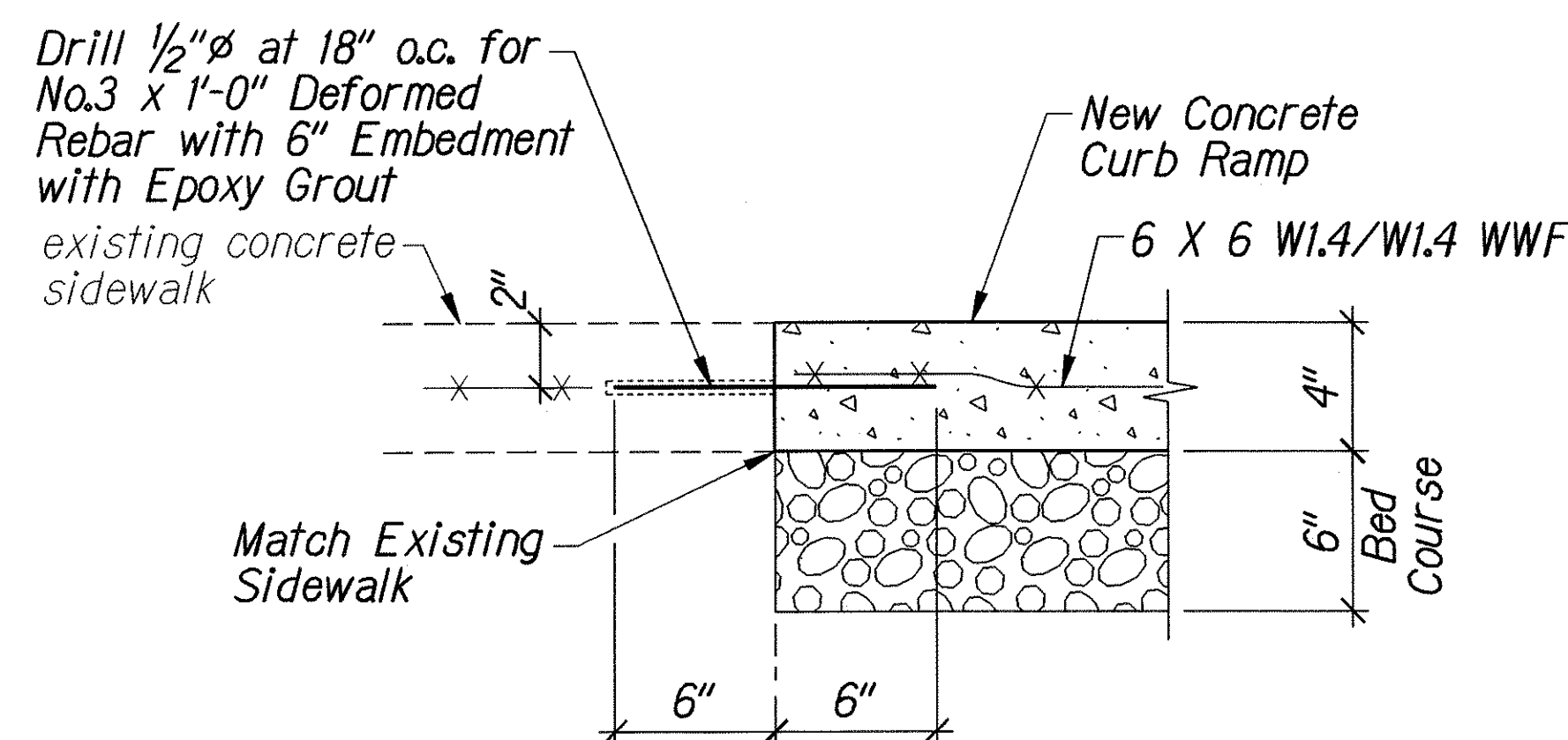
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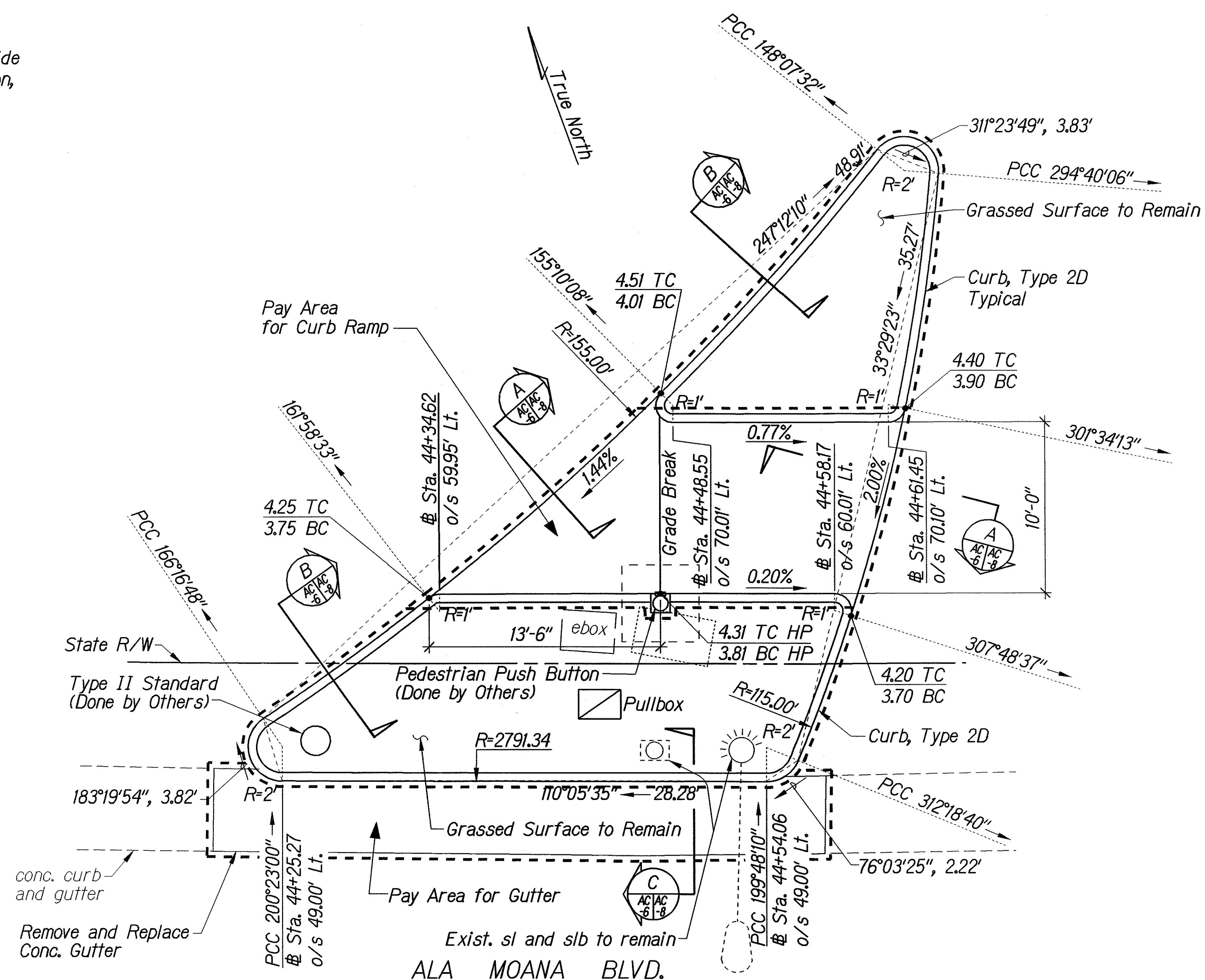


**CURB RAMP 1 PLAN**  
Scale: 1/4" = 1'-0"



NOTE:  
All curb ramps shall be reinforced.

**TYP. CONSTRUCTION JOINT  
AT EXISTING SIDEWALK**  
Not to Scale



**CURB ISLAND 1 AND CURB RAMP 2 PLAN**  
Scale: 1/4" = 1'-0"

**Notes:**

All Curb Corners 6" min. Radius Unless Otherwise Specified.

All New Curbs Shall Be Doweled into Existing Adjacent Curbs.

Provide Dowelled Construction Joint at All Connections to Existing Sidewalks.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
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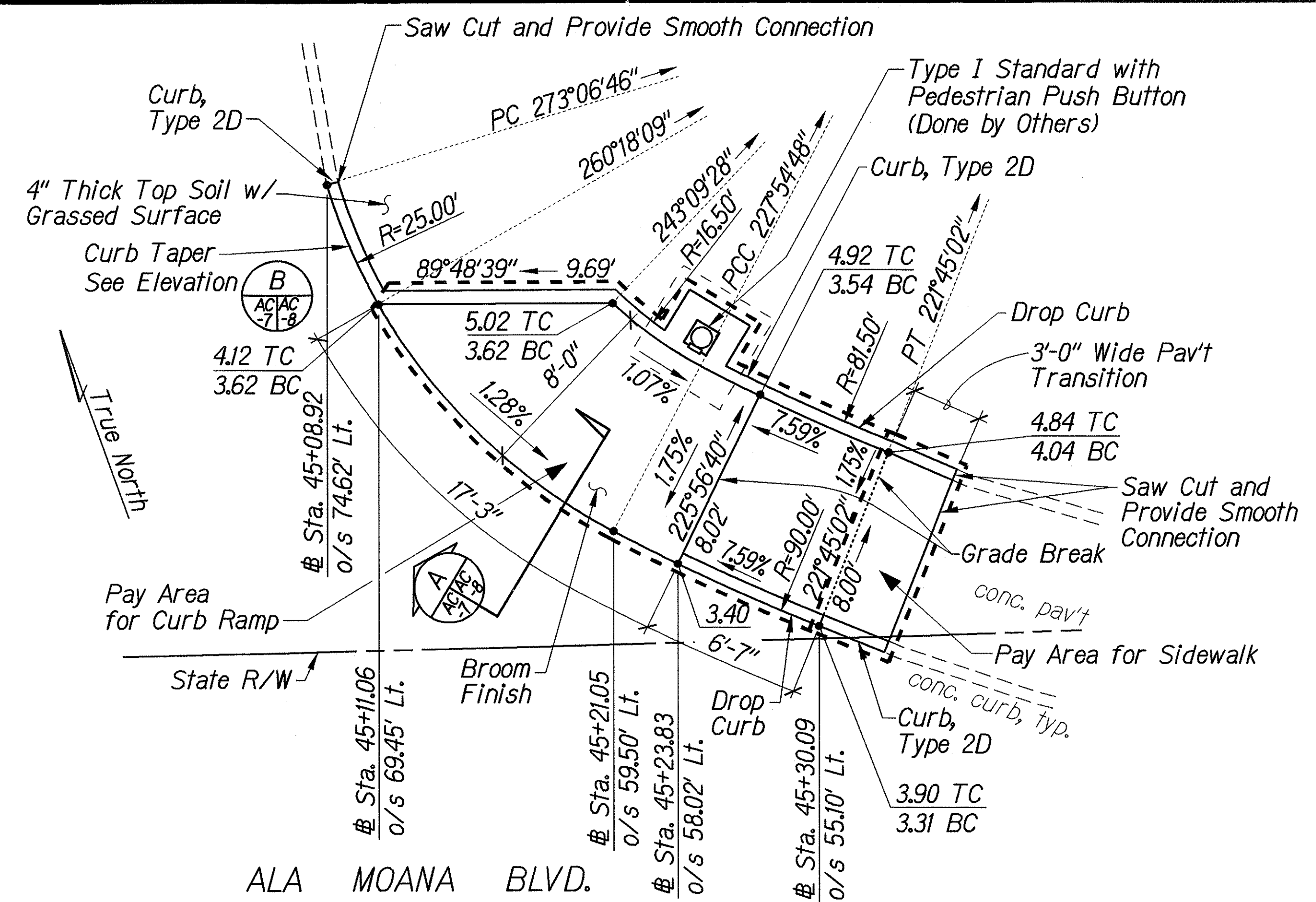
**CURB RAMP DETAILS**

*Pedestrian Facilities & ADA Compliance  
at Various Locations on Oahu, Unit 2  
Fed. Aid Proj. No. CMAQ-0300(93)*

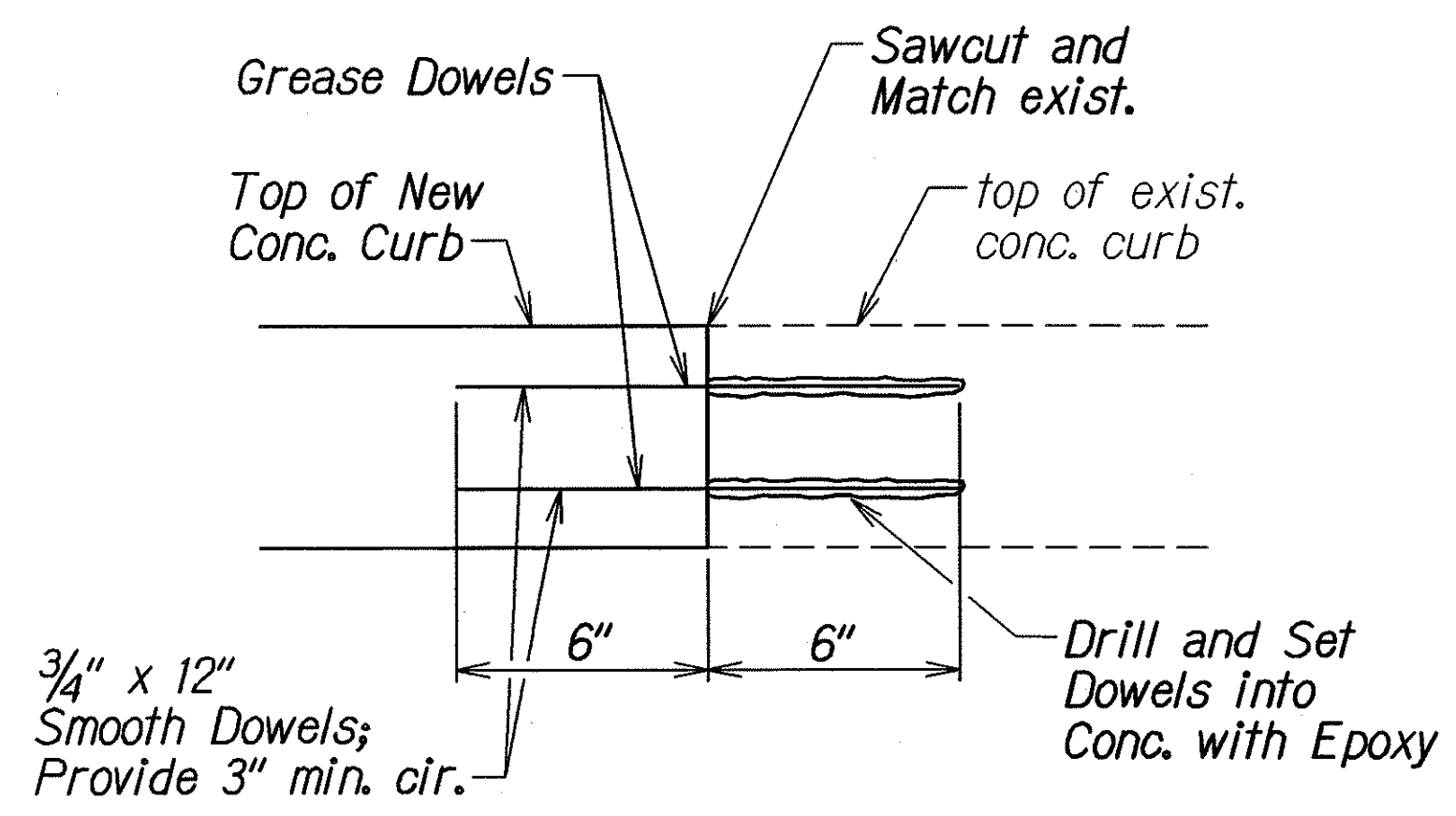
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SHEET No. AC-6 OF 9 SHEETS

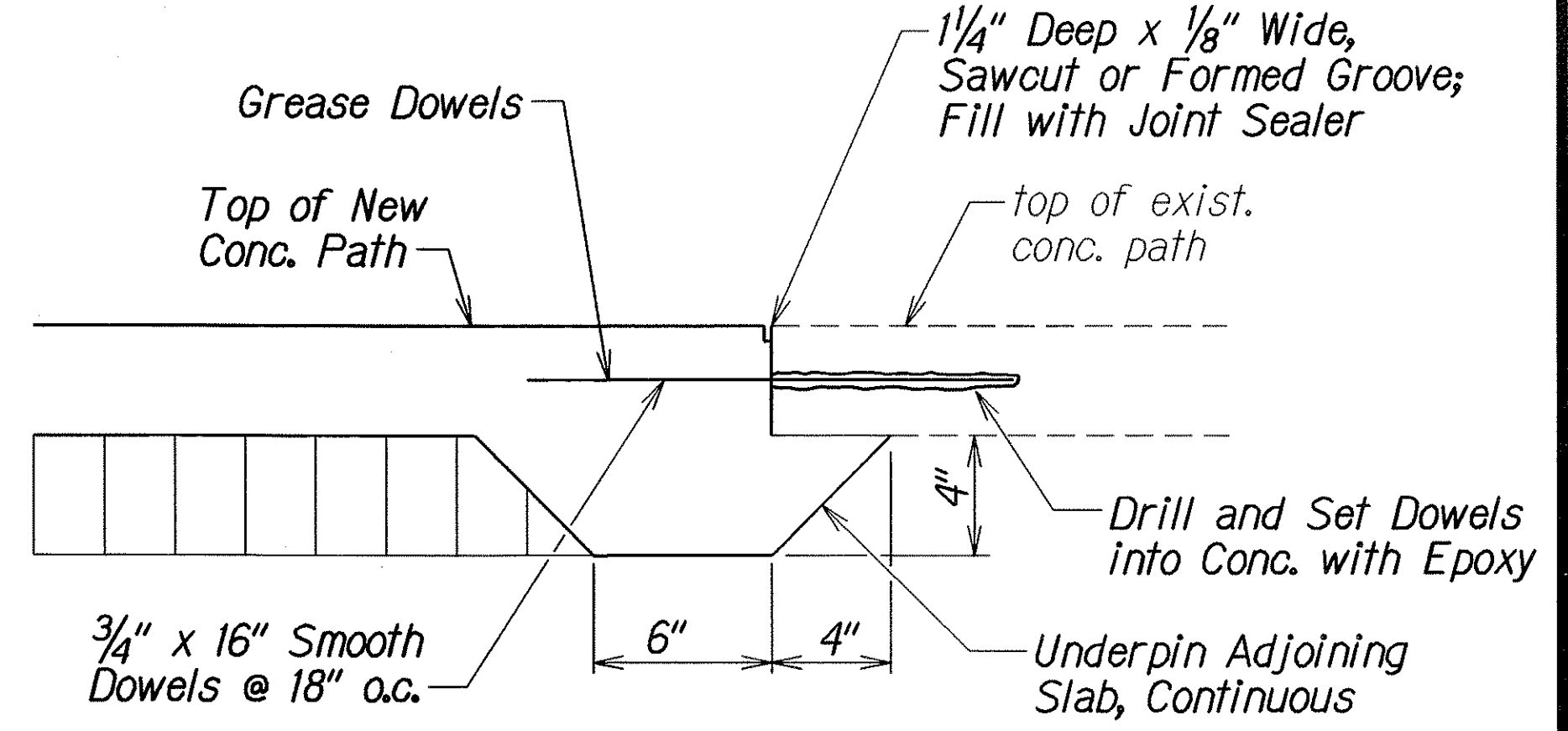
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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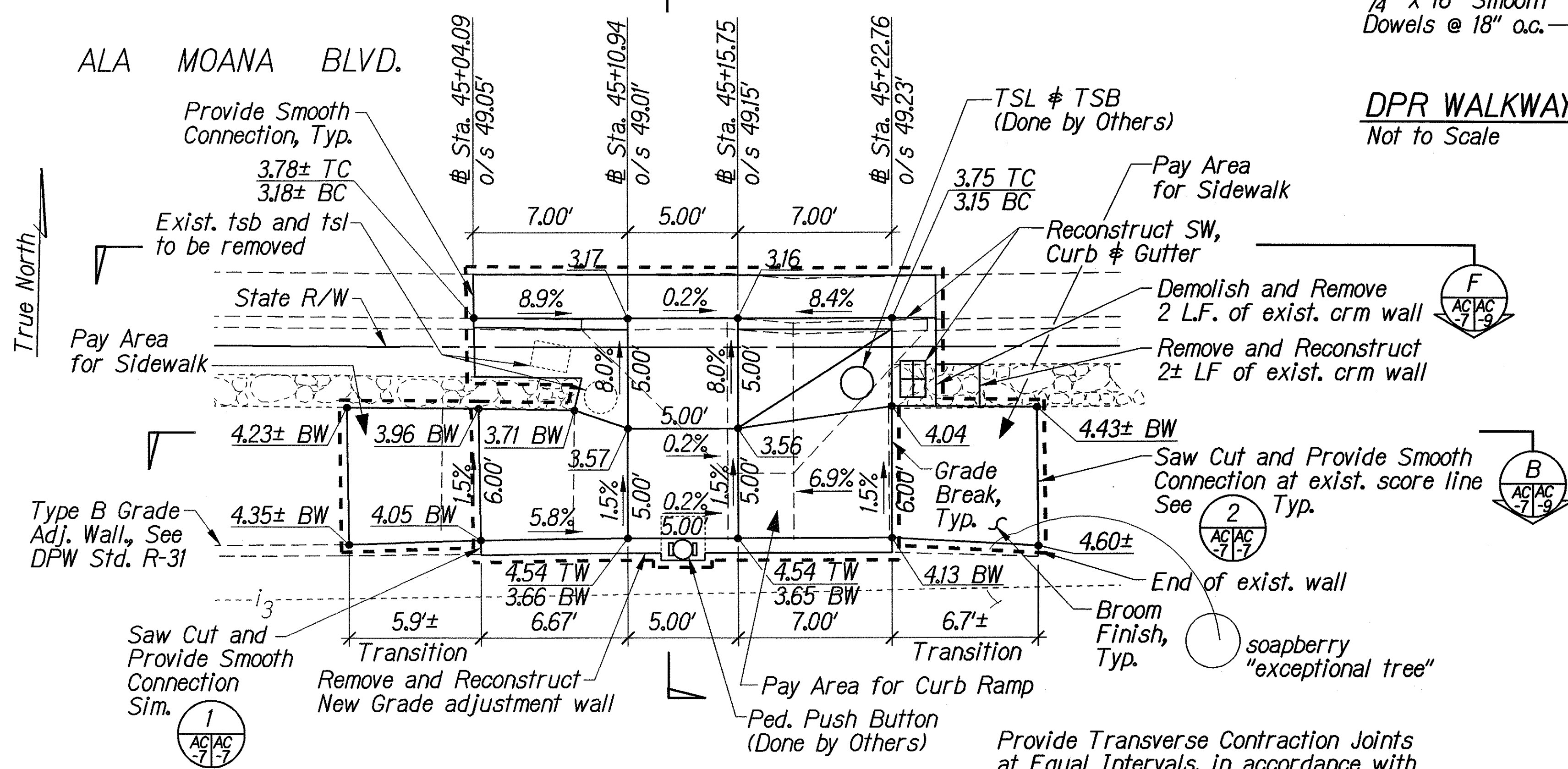
**CURB RAMP 3 PLAN**  
Scale: 1/4" = 1'-0"



**TYPICAL DOWELLED CURB DETAIL**  
Not to Scale  
AC-6, AC-7, AC-8



**DPR WALKWAY CONNECTION DETAIL**  
Not to Scale  
AC-7, AC-8



**CURB RAMP 5 PLAN**  
Scale: 1/4" = 1'-0"

- Notes:**
1. All Curb Corners 6" min. Radius Unless Otherwise Specified.
  2. All New Curbs Shall Be Doweled into Existing Adjacent Curbs.
  3. Provide Dowelled Construction Joint at All Connections to Existing Sidewalks.

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

**CURB RAMP DETAILS**

Pedestrian Facilities & ADA Compliance

at Various Locations on Oahu, Unit 2

Fed. Aid Proj. No. CMAQ-0300(93)

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

Date: August 2004

SHEET No. AC-7 OF 9

SHEETS

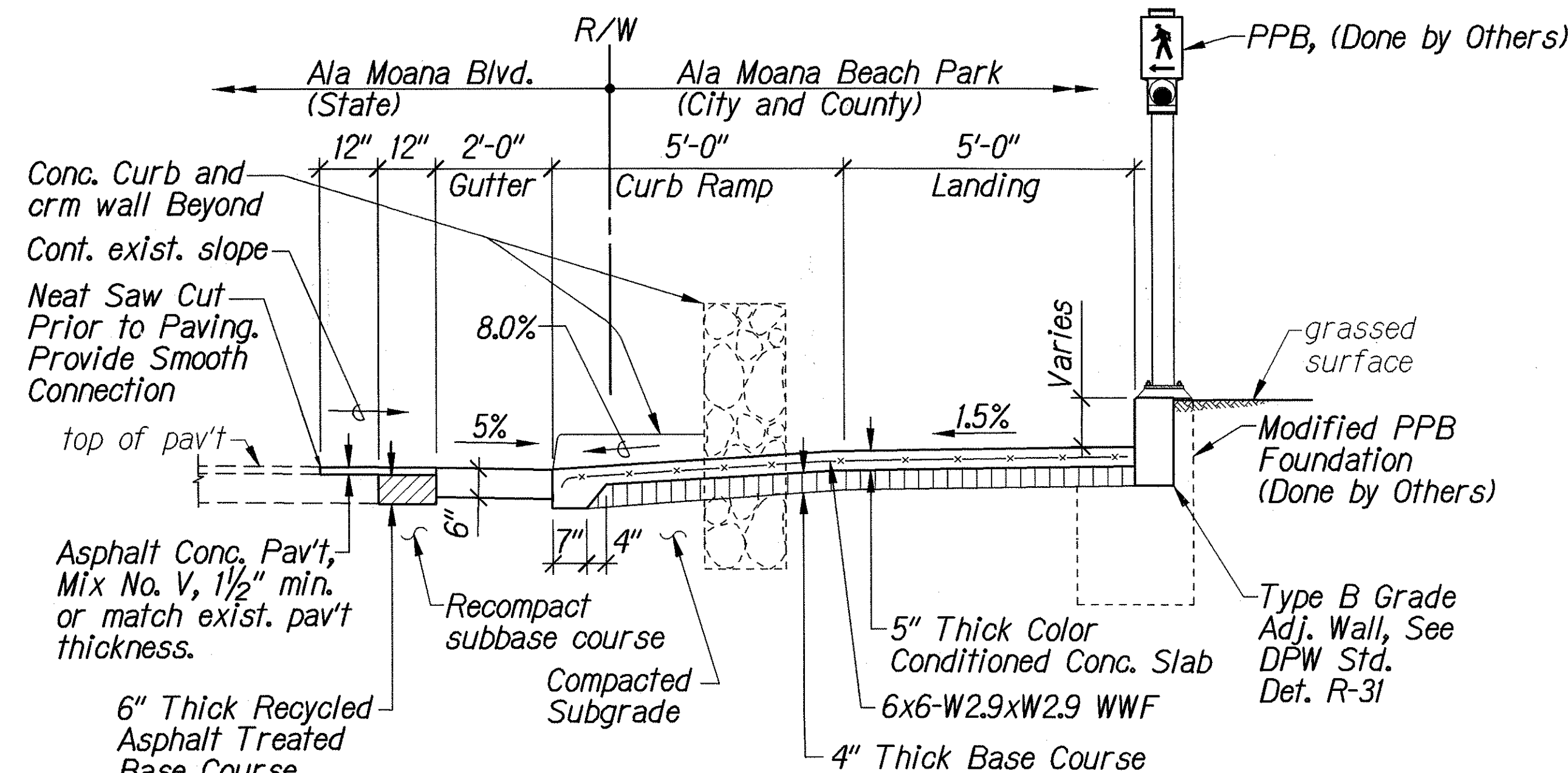
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NOTED BY: HWI-TD	
APPROVED BY: HWI-TD	



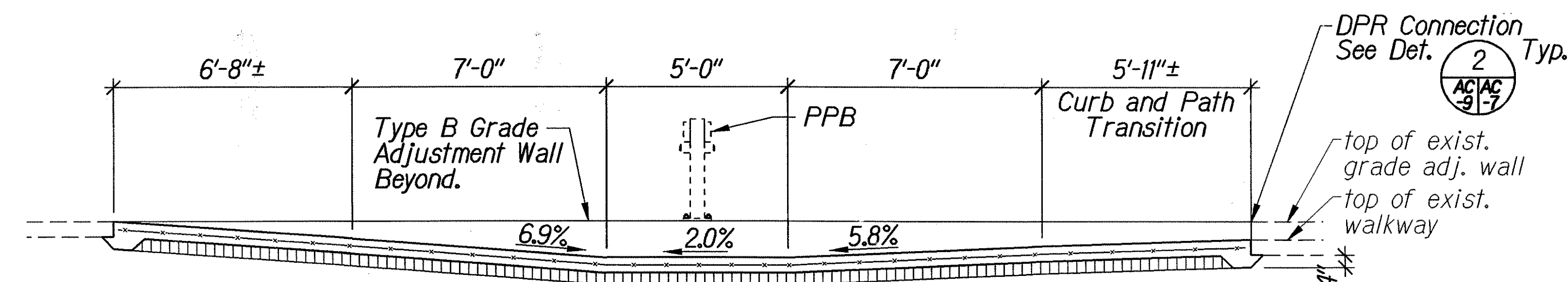




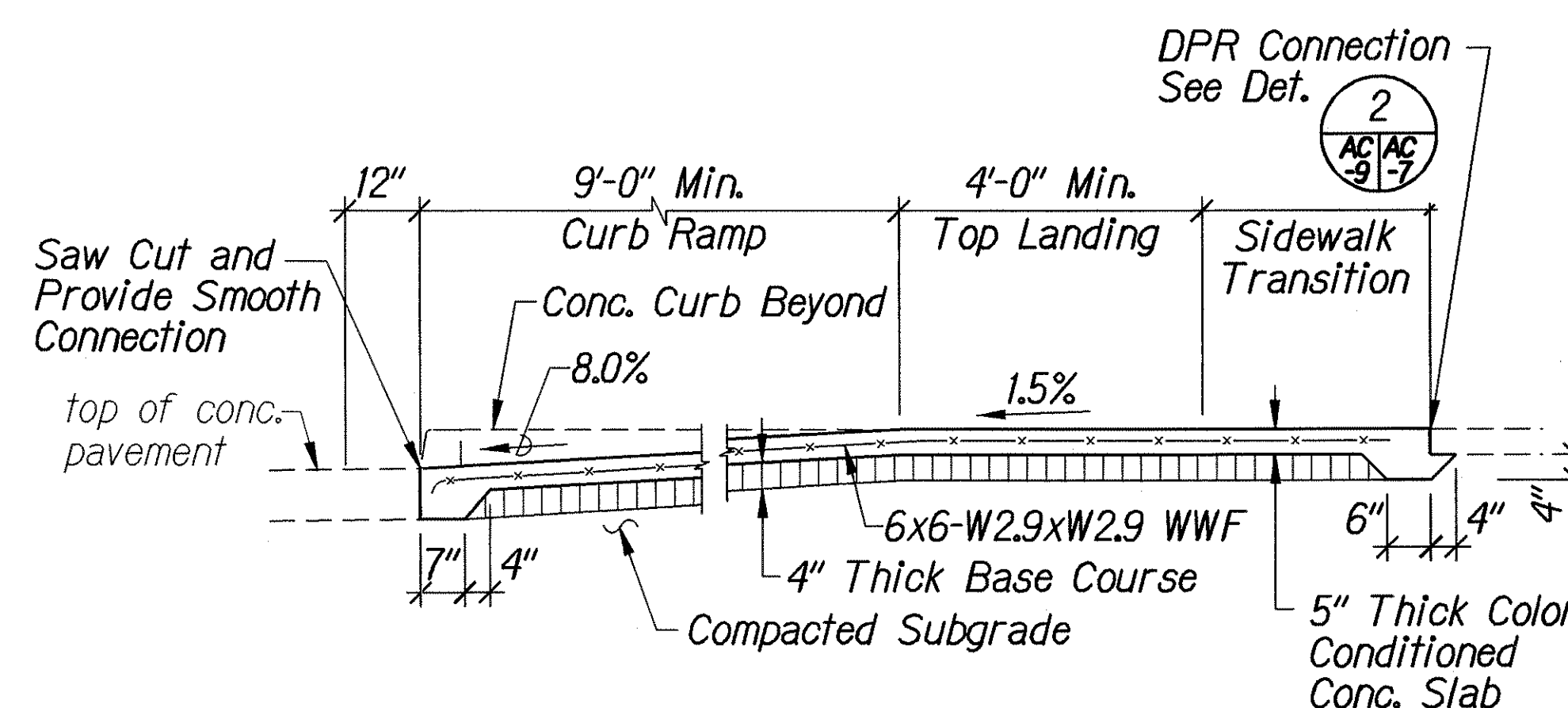
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CMAQ-0300(93)	2005	171	171



**SECTION A**  
Scale: 1/2" = 1'-0"



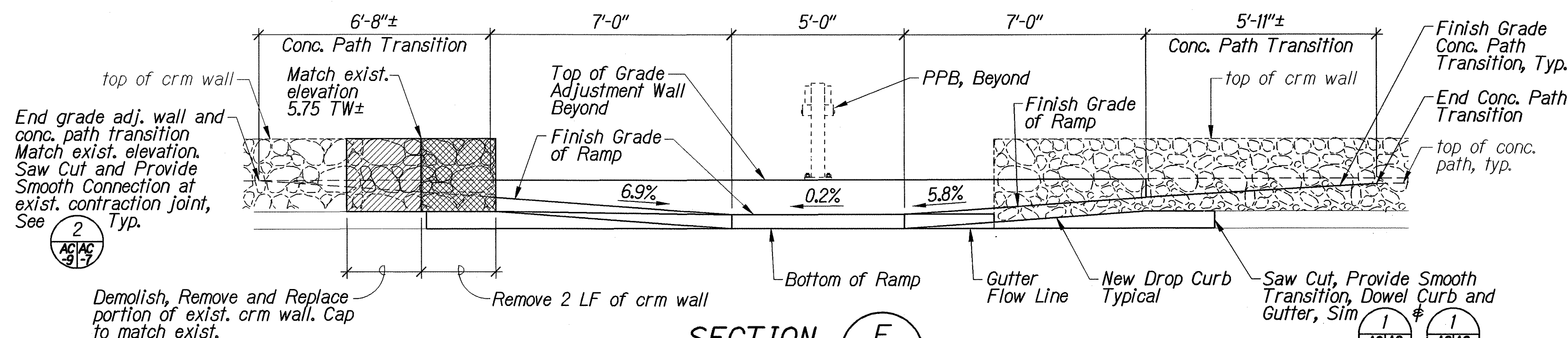
**SECTION B**  
Scale: 3/8" = 1'-0"



**CURB RAMP DETAIL D**  
Scale: 1/2" = 1'-0"

**Notes:**

1. All Curb Corners 6" min. Radius Unless Otherwise Specified.
2. All New Curbs Shall Be Doweled into Existing Adjacent Curbs.
3. Provide Doweled Construction Joint at All Connections to existing sidewalks.
4. Colored Conditioned Concrete and CRM Wall Modification shall conform to City, DPR Specifications.



**SECTION F**  
Scale: 1/2" = 1'-0"

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**CURB RAMP DETAILS**

*Pedestrian Facilities & ADA Compliance at Various Locations on Oahu, Unit 2*

Fed. Aid. Proj. No. CMAQ-0300(93)

Scale: As Noted Date: August 2004

SHEET No. AC-9 OF 9 SHEETS