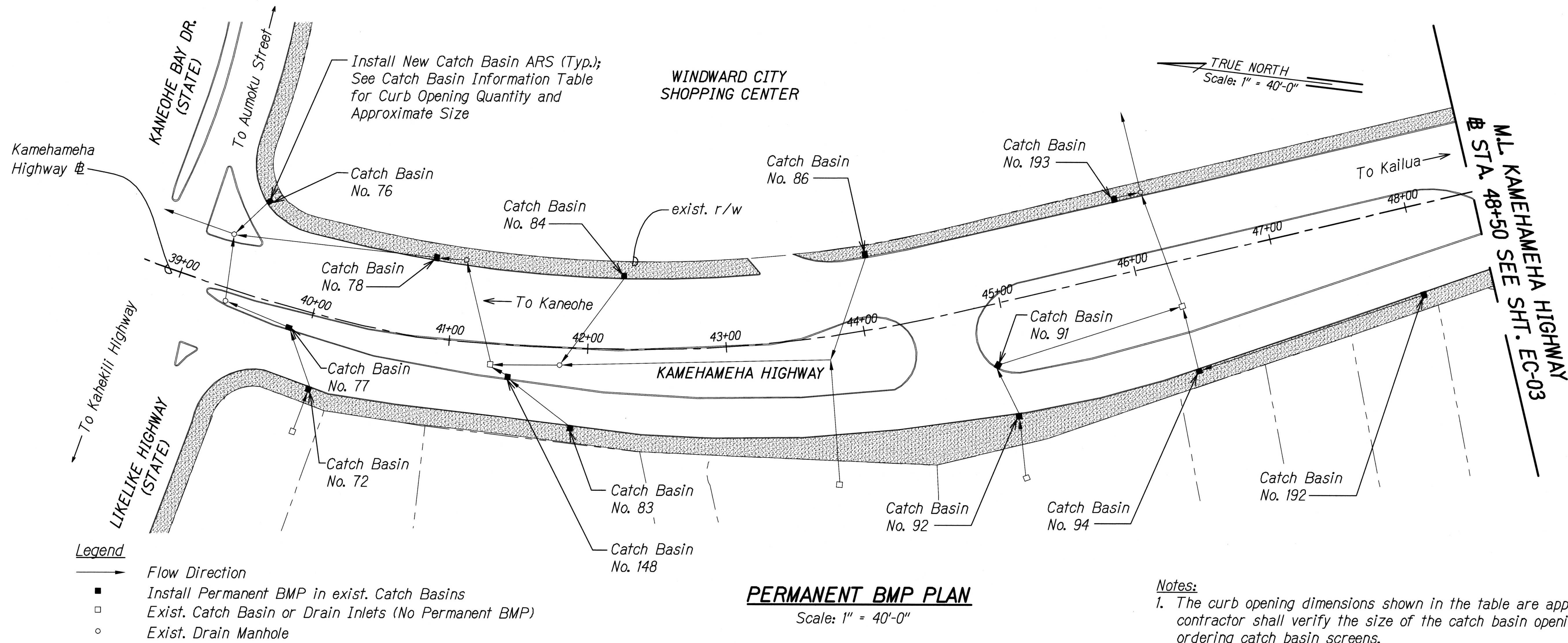


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83G-01-17M	2017	13	48



Catch Basin Information							
Catch Basin No.	Curb Openings	Opening 1		Opening 2		Opening 3	
		Opening Height	Opening Width	Opening Height	Opening Width	Opening Height	Opening Width
76	2	6.5"	3'-6"	6.5"	5'-11"	—	—
77	2	5.5"	5'-4"	5.5"	6'-0"	—	—
72	2	6.5"	6'-0"	6.5"	6'-0"	—	—
78	1	6.5"	6'-8"	—	—	—	—
84	1	6.5"	6'-0"	—	—	—	—
148	2	6.5"	6'-0"	6.5"	6'-0"	—	—
83*	2	6.5"	6'-0"	6.5"	6'-0"	—	—
86*	3	6.5"	6'-0"	6.5"	6'-0"	6.5"	6'-0"
91	3	6.5"	6'-0"	6.5"	6'-0"	6.5"	5'-10"
92	1	6.5"	6'-0"	—	—	—	—
193	1	6.5"	13'-3"	—	—	—	—
94	1	6.5"	6'-0"	—	—	—	—
192	1	6.5"	6'-0"	—	—	—	—

- Notes:**
- The curb opening dimensions shown in the table are approximate. The contractor shall verify the size of the catch basin opening prior to ordering catch basin screens.
 - For the Catch Basin Automatic Retractable Screen (ARS) detail, See Sheet EC-13.
 - Contractor shall repair Catch Basin 77 prior to installing ARS, See Det. 2 EC-02/EC-12
 - Catch basin shall be cleaned prior to Filter Basket installation. Catch basin cleaning shall be considered incidental to Filter Basket work.

* For Catch Basin Number 83 and 86 also install Catch Basin Filtration Basket per Det. 1 EC-02/EC-12

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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PERMANENT BMP PLAN

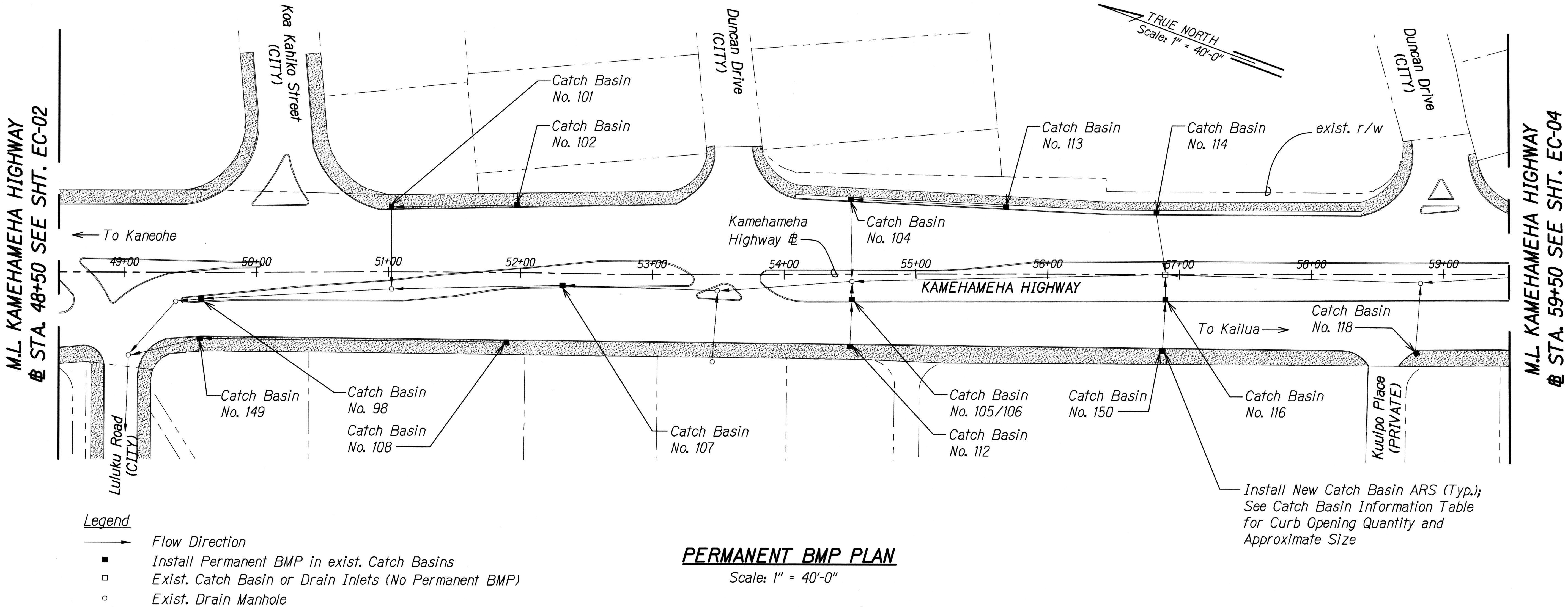
KAWA WATERSHED STORM WATER
BEST MANAGEMENT PRACTICES ON OAHU, PHASE 1

Project No. 83G-01-17M

Scale: 1" = 40'-0" Date: April 2017

SHEET No. EC-02 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83G-01-17M	2017	14	48



Catch Basin Information					
Catch Basin No.	Curb Openings	Opening 1		Opening 2	
		Opening Height	Opening Width	Opening Height	Opening Width
98	2	6.5"	6'-0"	6.5"	6'-0"
149	2	6.5"	6'-0"	6.5"	6'-0"
101	2	6.5"	6'-0"	6.5"	5'-11"
108	1	6.5"	6'-0"	—	—
107	1	6.5"	6'-5"	—	—
102	1	5.5"	6'-6"	—	—
112	2	6.5"	6'-0"	6.5"	6'-0"
104	2	6.5"	6'-0"	6.5"	6'-0"
105/106	2	6.5"	6'-0"	6.5"	6'-0"
113	1	6.5"	6'-6"	—	—
150	2	6.5"	6'-0"	6.5"	6'-0"
114	2	6.5"	5'-11"	6.5"	6'-0"
116	2	6.5"	6'-0"	6.5"	6'-0"
118	2	6.5"	6'-0"	6.5"	6'-0"

- Notes:**
- The curb opening dimensions shown in the table are approximate. The contractor shall verify the size of the catch basin opening prior to ordering catch basin screens.
 - For the Catch Basin Automatic Retractable Screen (ARS) detail, See Sheet EC-13.

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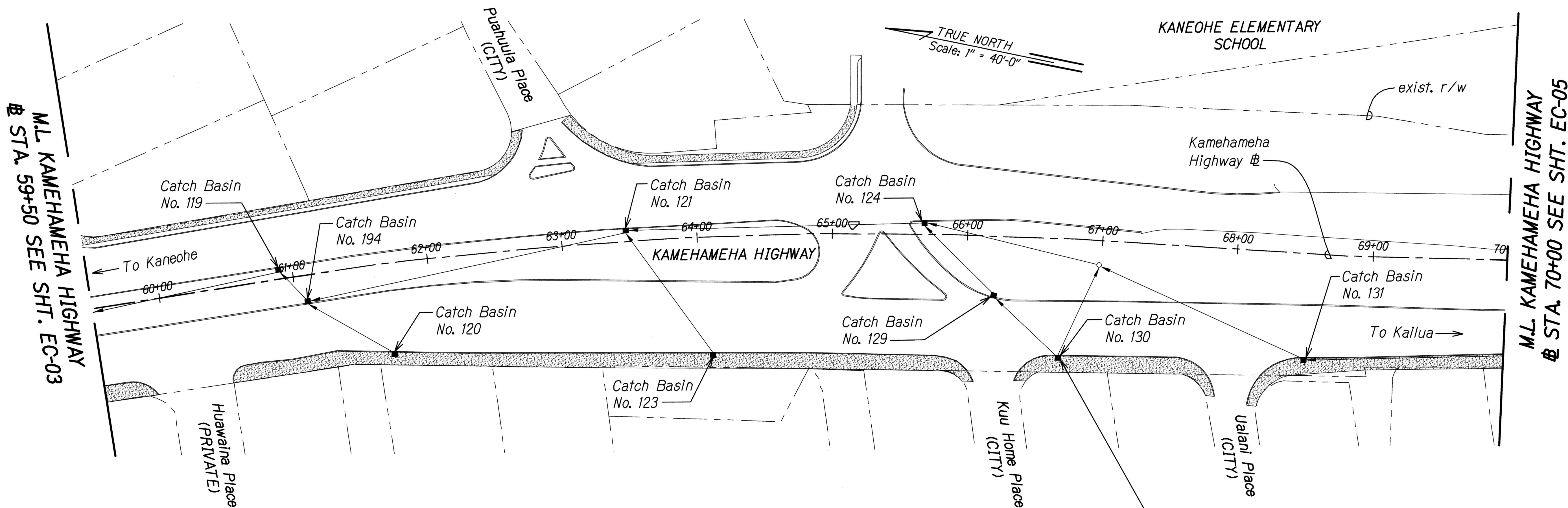
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PERMANENT BMP PLAN

KAWA WATERSHED STORM WATER
BEST MANAGEMENT PRACTICES ON OAHU, PHASE 1
Project No. 83G-01-17M
Scale: 1" = 40'-0" Date: April 2017

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83G-01-17M	2017	15	48



- Legend**
- Flow Direction
 - Install Permanent BMP in exist. Catch Basins
 - Exist. Catch Basin or Drain Inlets (No Permanent BMP)
 - Exist. Drain Manhole

PERMANENT BMP PLAN
Scale: 1" = 40'-0"

Install New Catch Basin ARS (Typ.);
See Catch Basin Information Table
for Curb Opening Quantity and
Approximate Size

Catch Basin Information					
Catch Basin No.	Curb Openings	Opening 1		Opening 2	
		Opening Height	Opening Width	Opening Height	Opening Width
119	2	6.5"	6'-0"	6.5"	6'-0"
194	2	6.5"	6'-0"	6.5"	6'-0"
120	2	6.5"	6'-0"	6.5"	6'-0"
121	2	6.5"	6'-0"	6.5"	6'-0"
123	1	5.5"	13'-1"	—	—
124	2	6.5"	6'-0"	6.5"	6'-0"
129	2	6.5"	5'-10"	6.5"	6'-0"
130	2	6.5"	6'-0"	6.5"	6'-0"
131	1	6.5"	6'-0"	—	—

- Notes:**
- The curb opening dimensions shown in the table are approximate. The contractor shall verify the size of the catch basin opening prior to ordering catch basin screens.
 - For the Catch Basin Automatic Retractable Screen (ARS) detail, See Sheet EC-13.
 - Contractor shall repair Catch Basin 130 prior to installing ARS, See Det. 2 EC-04/EC-12

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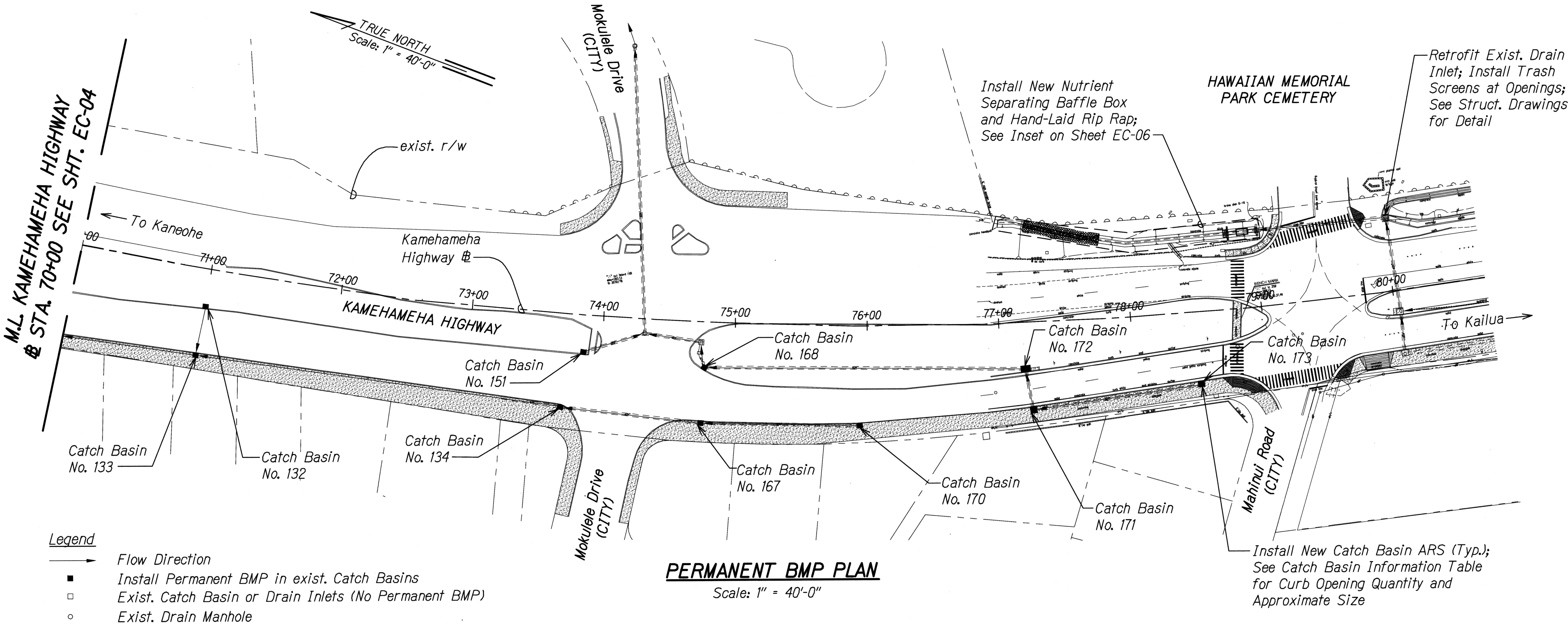
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HIGHWAYS DIVISION

PERMANENT BMP PLAN

KAWA WATERSHED STORM WATER
BEST MANAGEMENT PRACTICES ON OAHU, PHASE 1
Project No. 83G-01-17M
Scale: 1" = 40'-0" Date: April 2017

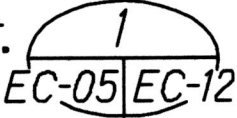
SHEET No. EC-04 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83G-01-17M	2017	16	48



- Legend**
- Flow Direction
 - Install Permanent BMP in exist. Catch Basins
 - Exist. Catch Basin or Drain Inlets (No Permanent BMP)
 - Exist. Drain Manhole

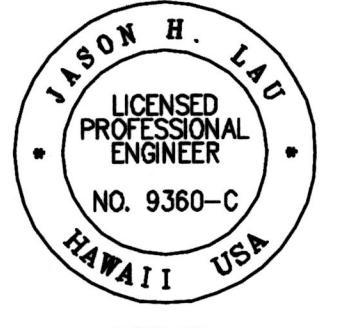
Catch Basin Information					
Catch Basin No.	Curb Openings	Opening 1		Opening 2	
		Opening Height	Opening Width	Opening Height	Opening Width
133	2	6.5"	6'-0"	6.5"	6'-0"
132	1	6.5"	6'-0"	—	—
134	1	6.5"	6'-0"	—	—
151	2	6.5"	6'-0"	6.5"	6'-0"
168	2	6.5"	5'-11"	6.5"	5'-11"
167	2	6.5"	6'-0"	6.5"	6'-0"
170	1	6.5"	13'-0"	—	—
171	2	6.5"	6'-0"	6.5"	6'-0"
172	2	6.5"	6'-0"	6.5"	6'-0"
173*	1	6.5"	6'-1"	—	—

* For Catch Basin Number 173 also install Catch Basin Filtration Basket per Det.  EC-05/EC-12

- Notes:**
- The curb opening dimensions shown in the table are approximate. The contractor shall verify the size of the catch basin opening prior to ordering catch basin screens.
 - For the Catch Basin Automatic Retractable Screen (ARS) detail, See Sheet EC-13.
 - Catch basin shall be cleaned prior to Filter Basket installation. Catch basin cleaning shall be considered incidental to Filter Basket work.

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PERMANENT BMP PLAN

KAWA WATERSHED STORM WATER
BEST MANAGEMENT PRACTICES ON OAHU, PHASE I
Project No. 83G-01-17M
Scale: 1" = 40'-0" Date: April 2017

SHEET No. EC-05 OF 20 SHEETS

