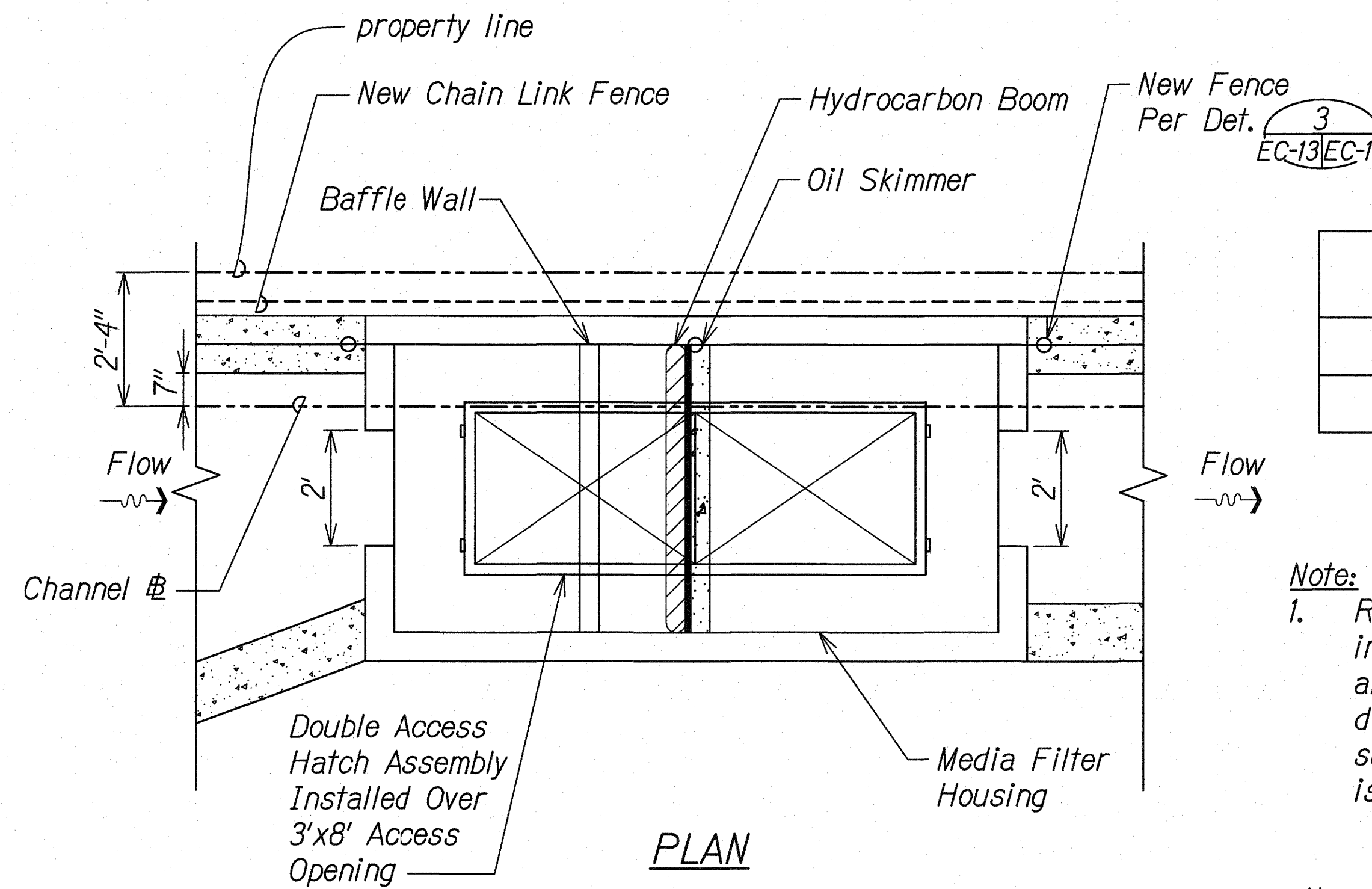
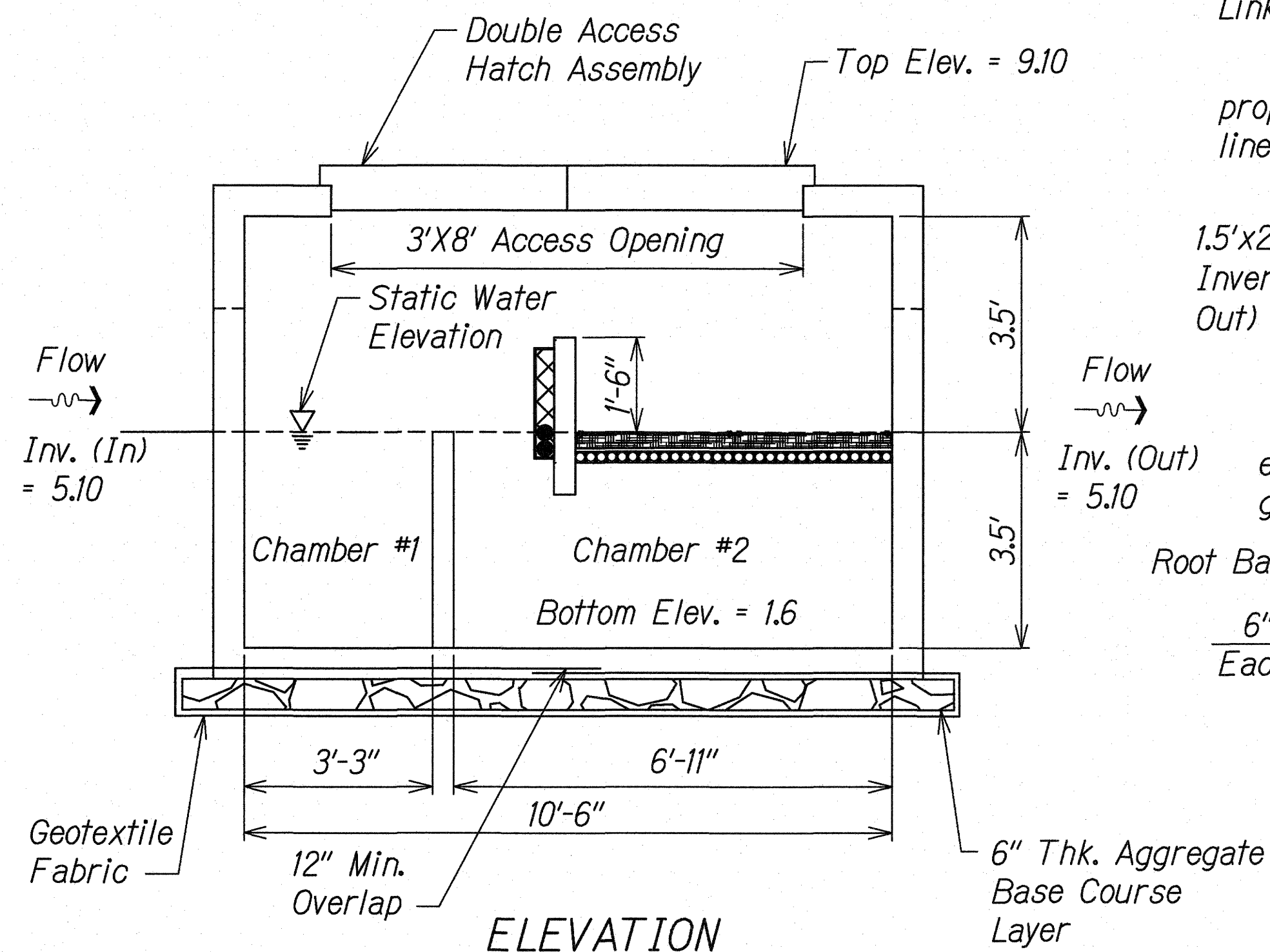


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-02-18M	2018	23	33

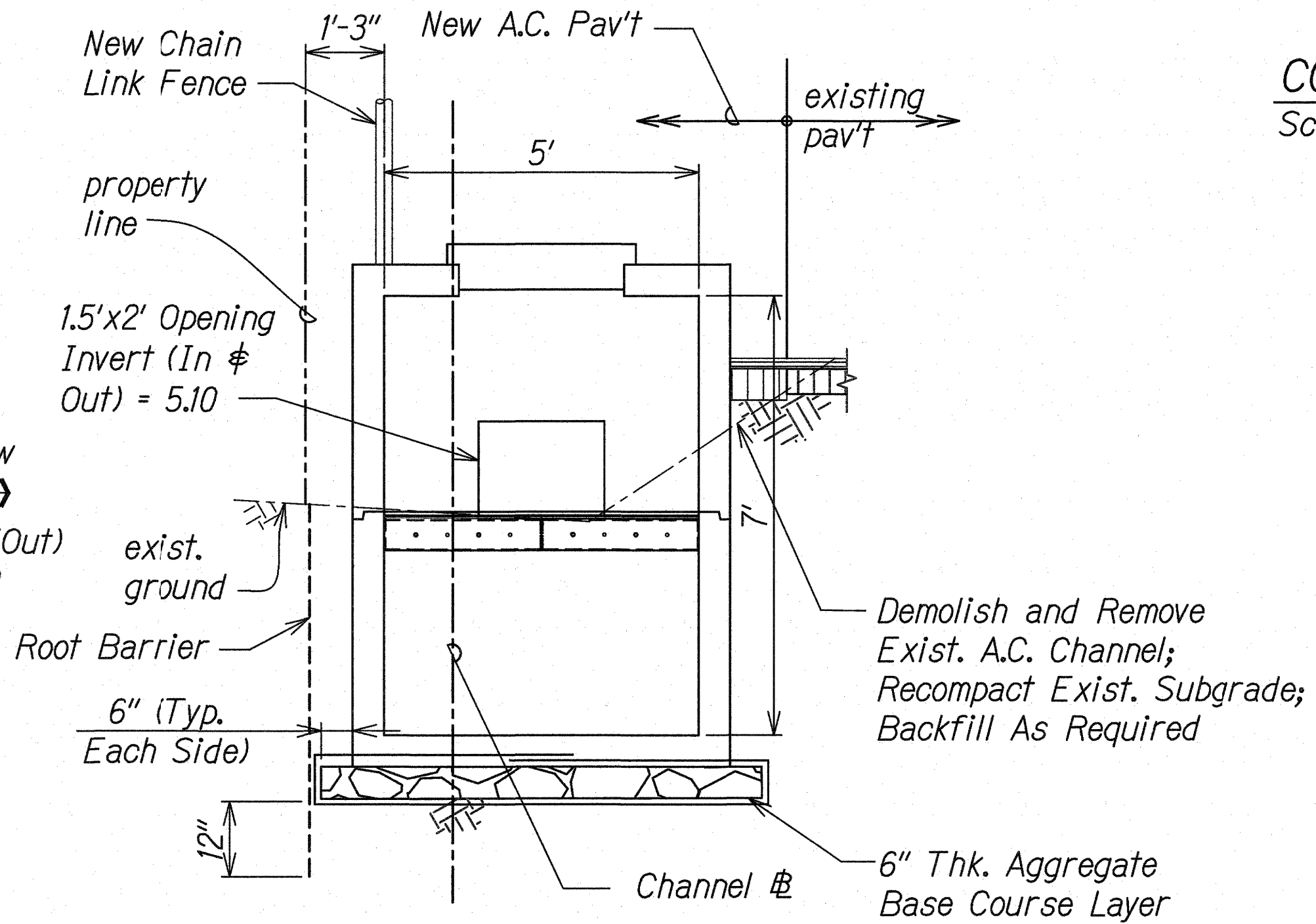


STORM WATER TREATMENT SYSTEM FLOW REQUIREMENTS	
Q10 (cfs)	5.65
WQFR (cfs)	0.56

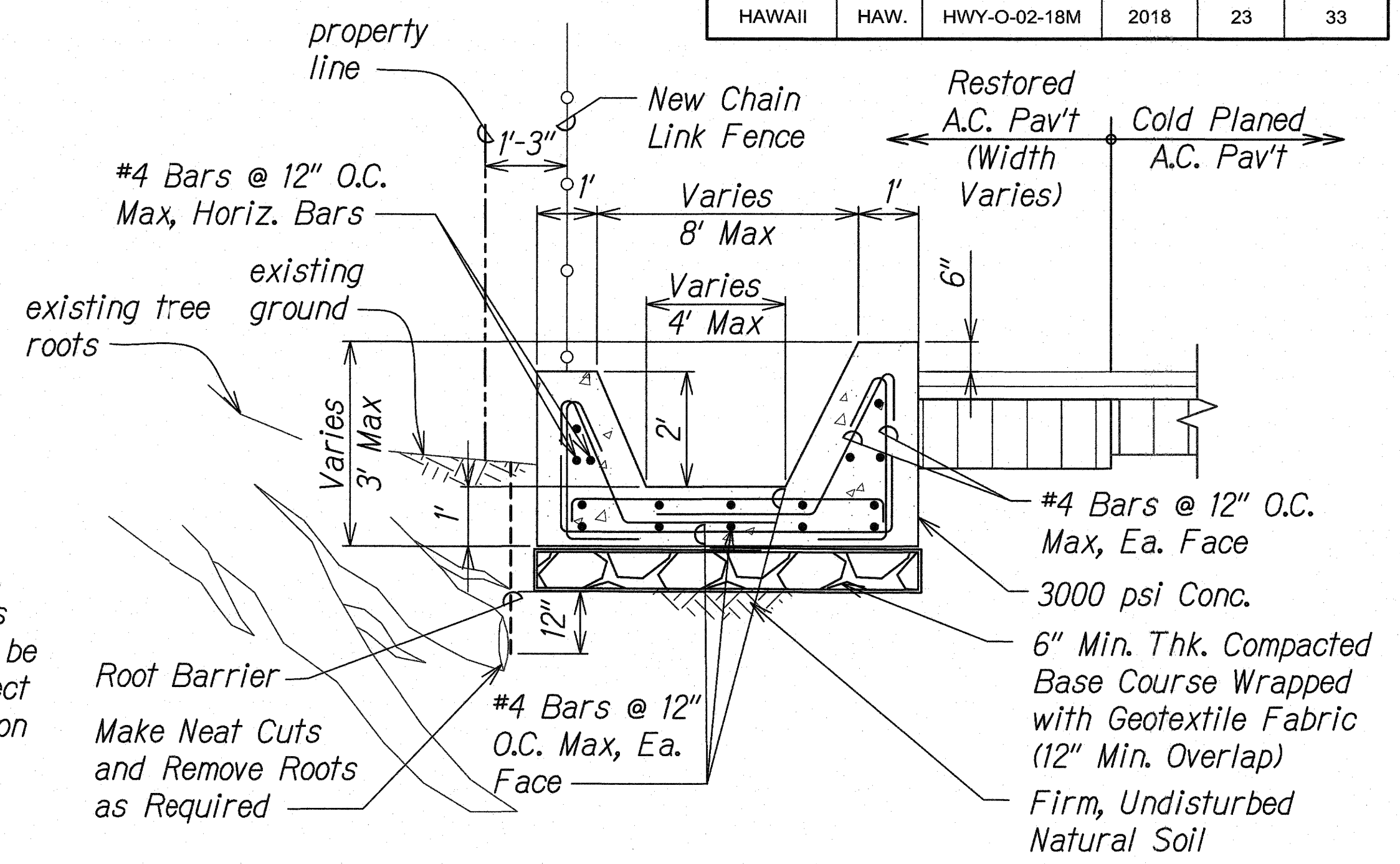
Note:
1. Root barrier shall be Typar Biobarrier or approved equal, installed in accordance with the manufacturer's directions and as shown in the plans. The root barrier fabric shall be delivered to the site in sealed cartons, stored out of direct sunlight, and installed as soon as possible after the carton is opened.



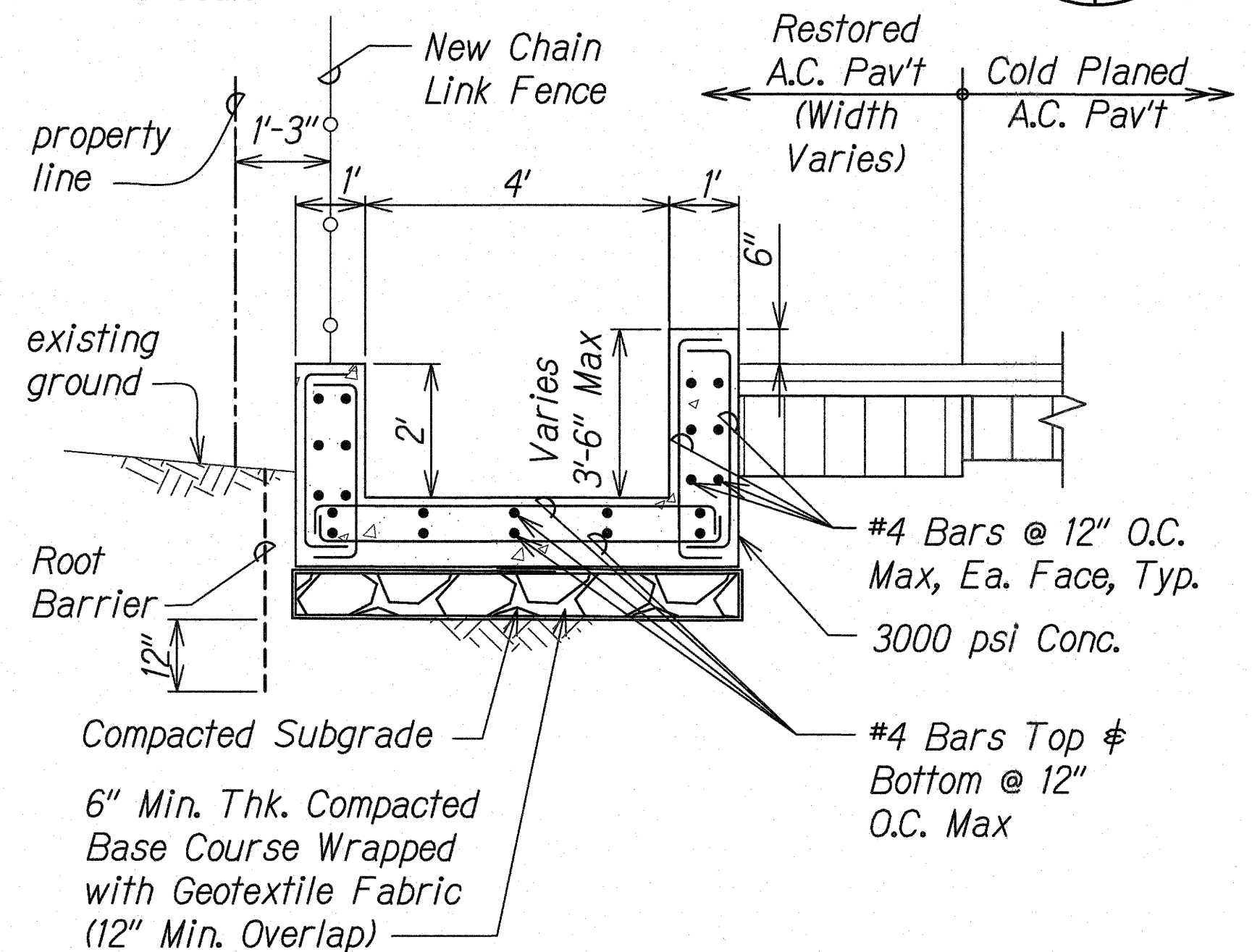
WATER POLISHER DETAIL
Scale: 1/2" = 1'-0"



REAR



CONCRETE CHANNEL TRANSITION SECTION
Scale: Not to Scale



CONCRETE CHANNEL SECTION
Scale: Not to Scale

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
TRACED BY		
NOTED BY		
CHECKED BY		

PL DETAILS LING 3/15/2018 10:45:55 AM

4/30/18
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

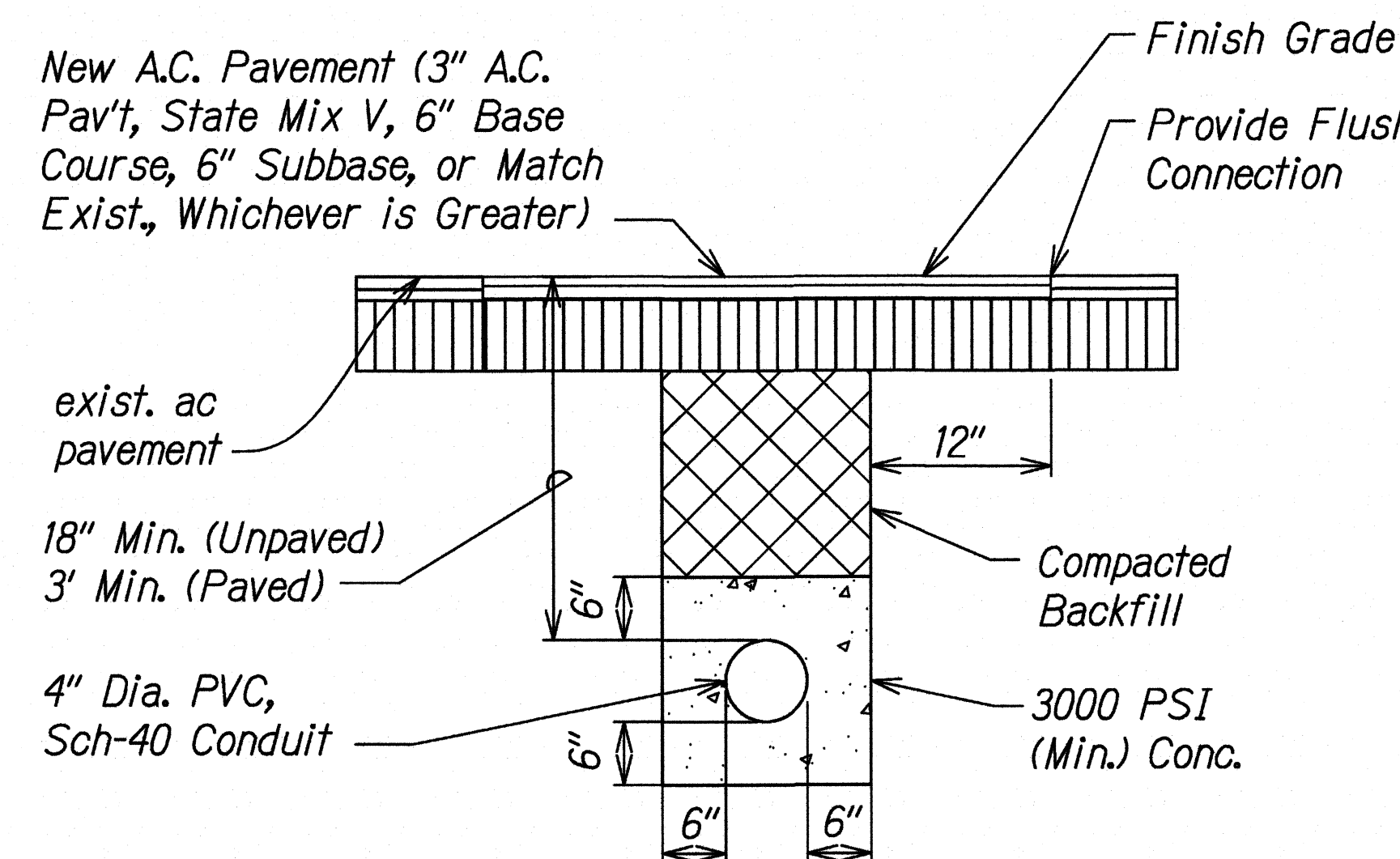
DETAILS

**STORM WATER BEST MANAGEMENT PRACTICES
IMPROVEMENTS AT MAINTENANCE BASEYARDS ON OAHU**

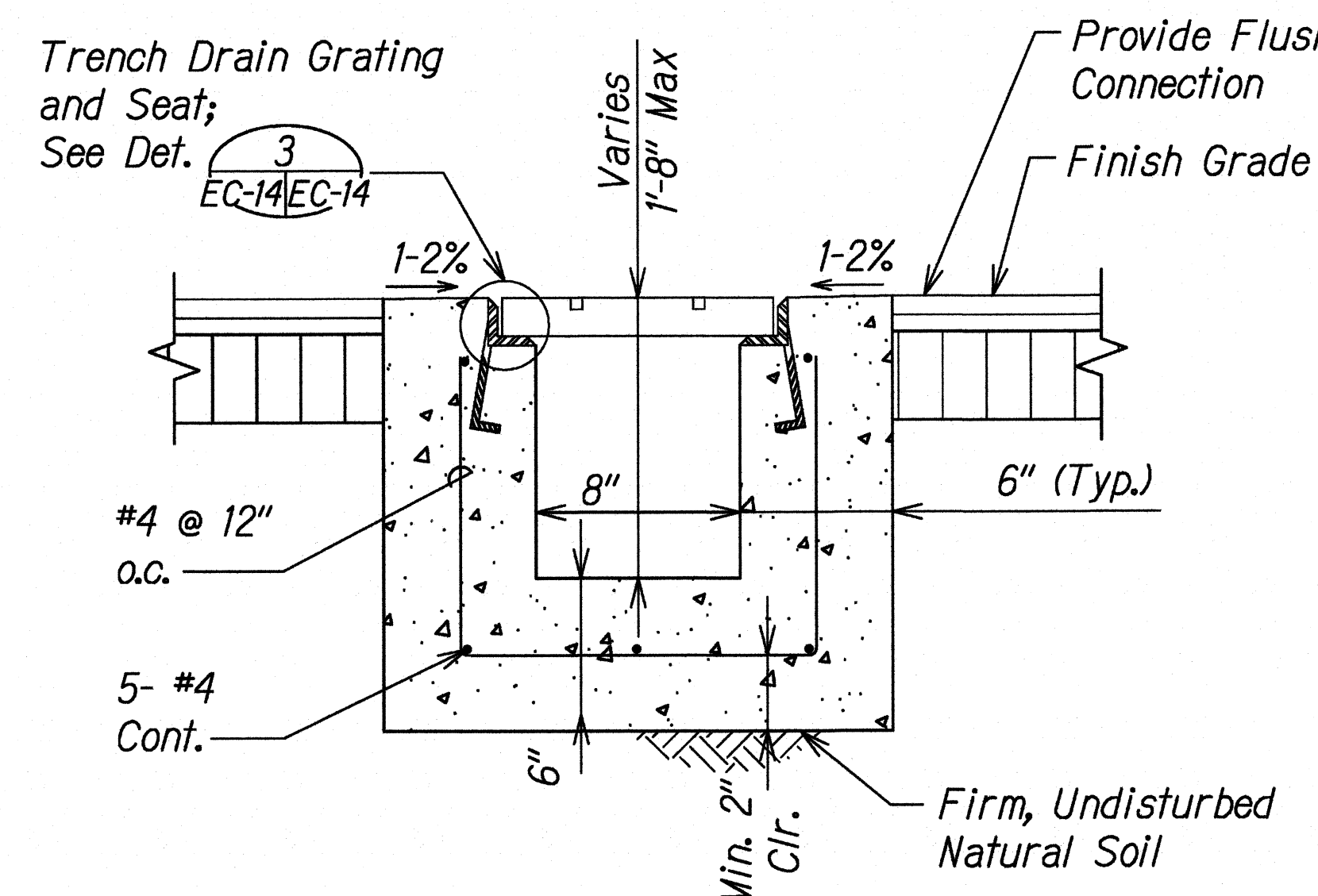
Project No. HWY-O-02-18M
Scale: As Shown Date: March 2018

SHEET No. EC-13 OF 23 SHEETS

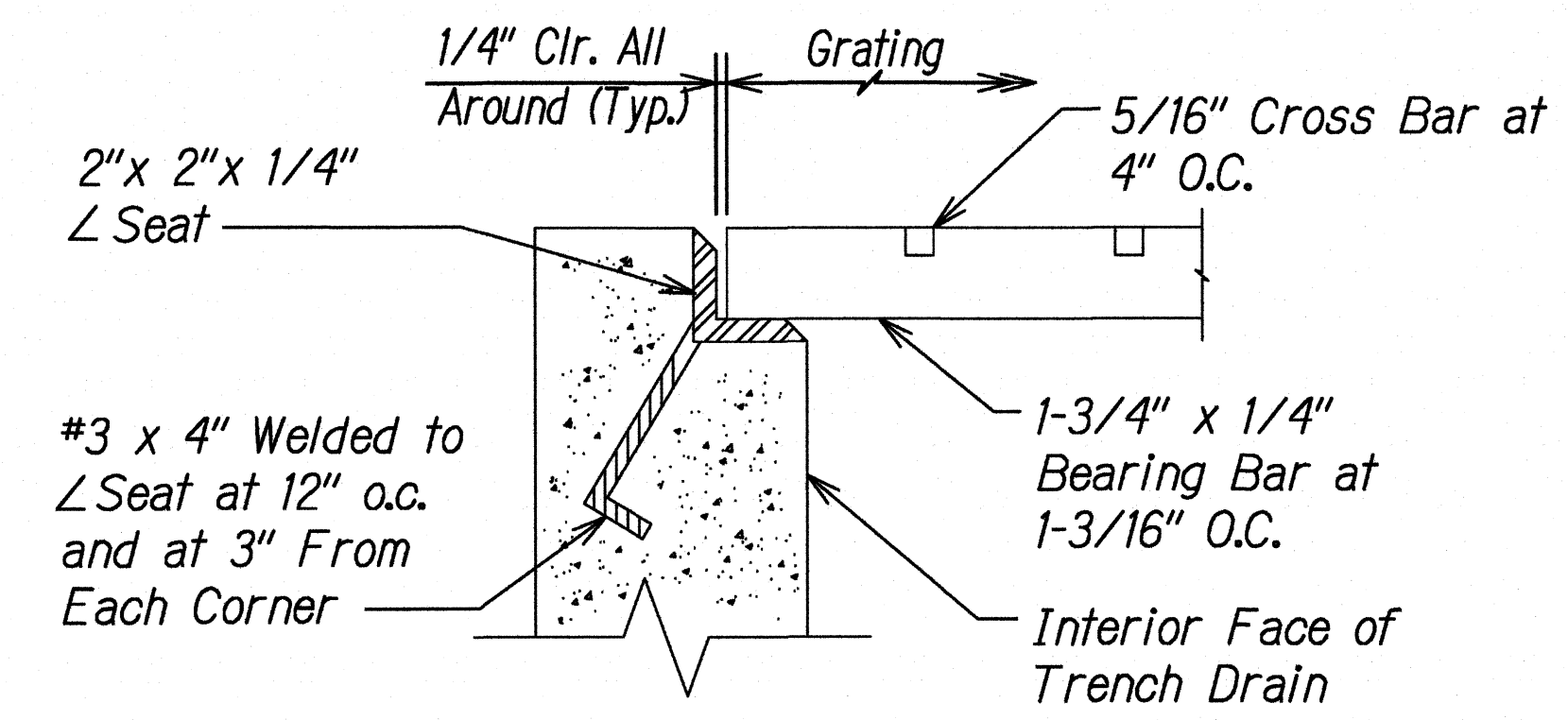
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-02-18M	2018	24	33



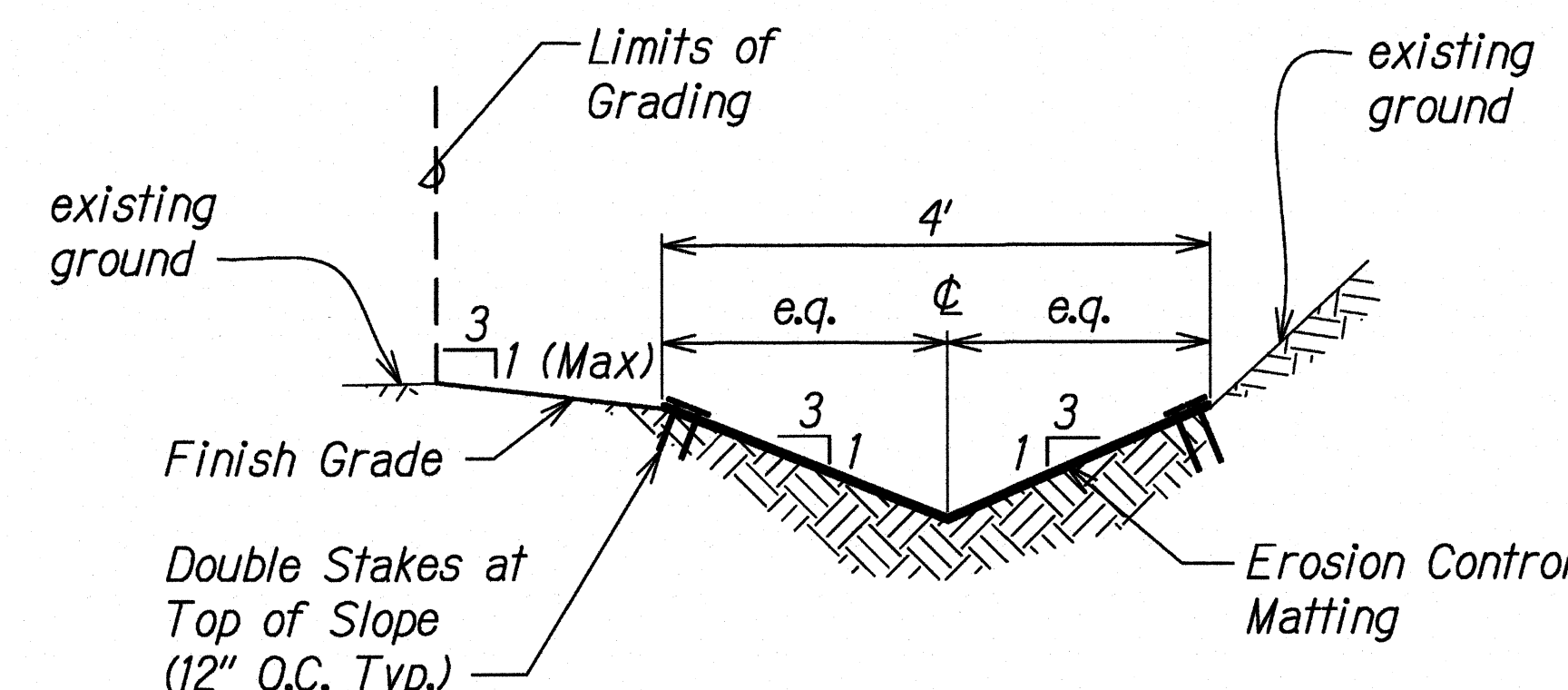
UTILITY CONDUIT DETAIL
Scale: Not to Scale EC-03, EC-09, EC-10 EC-14



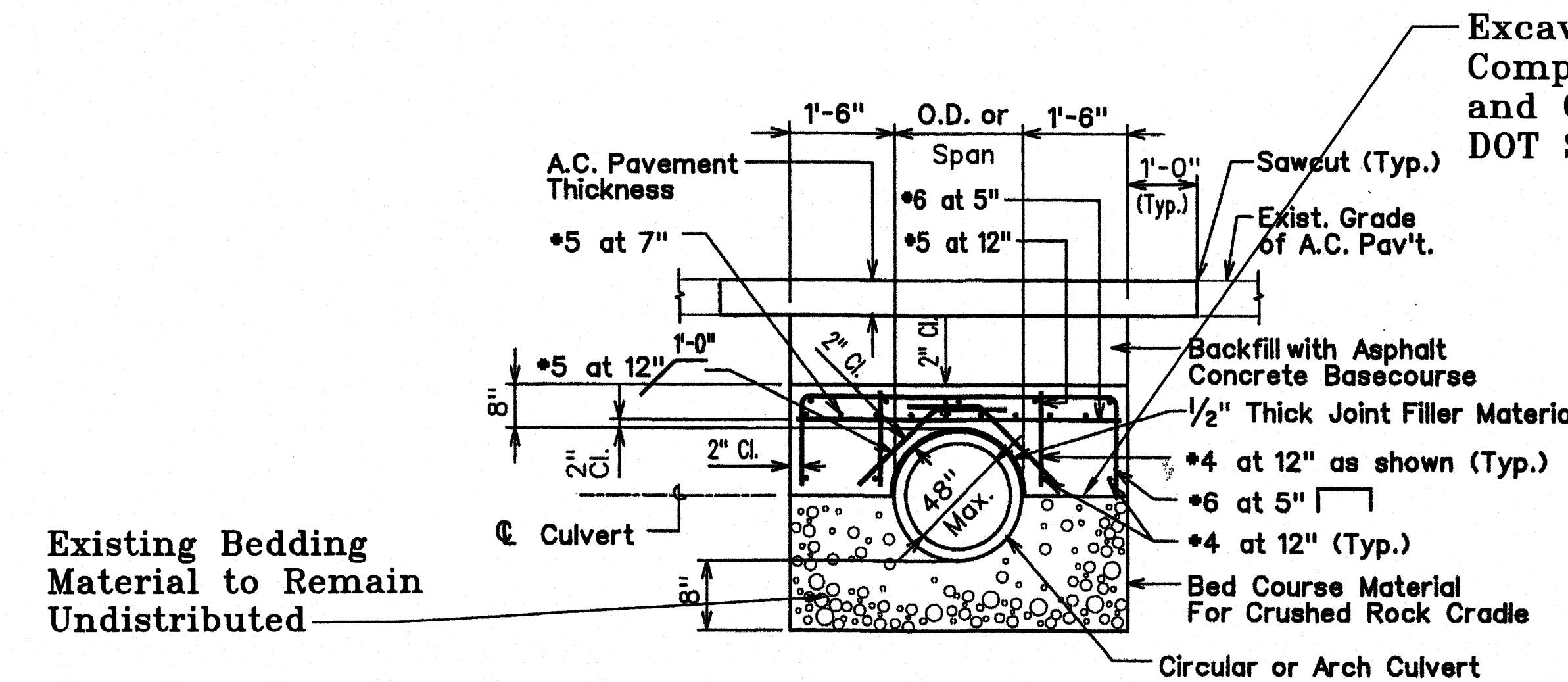
TRENCH DRAIN DETAIL
Scale: Not to Scale EC-03 EC-14



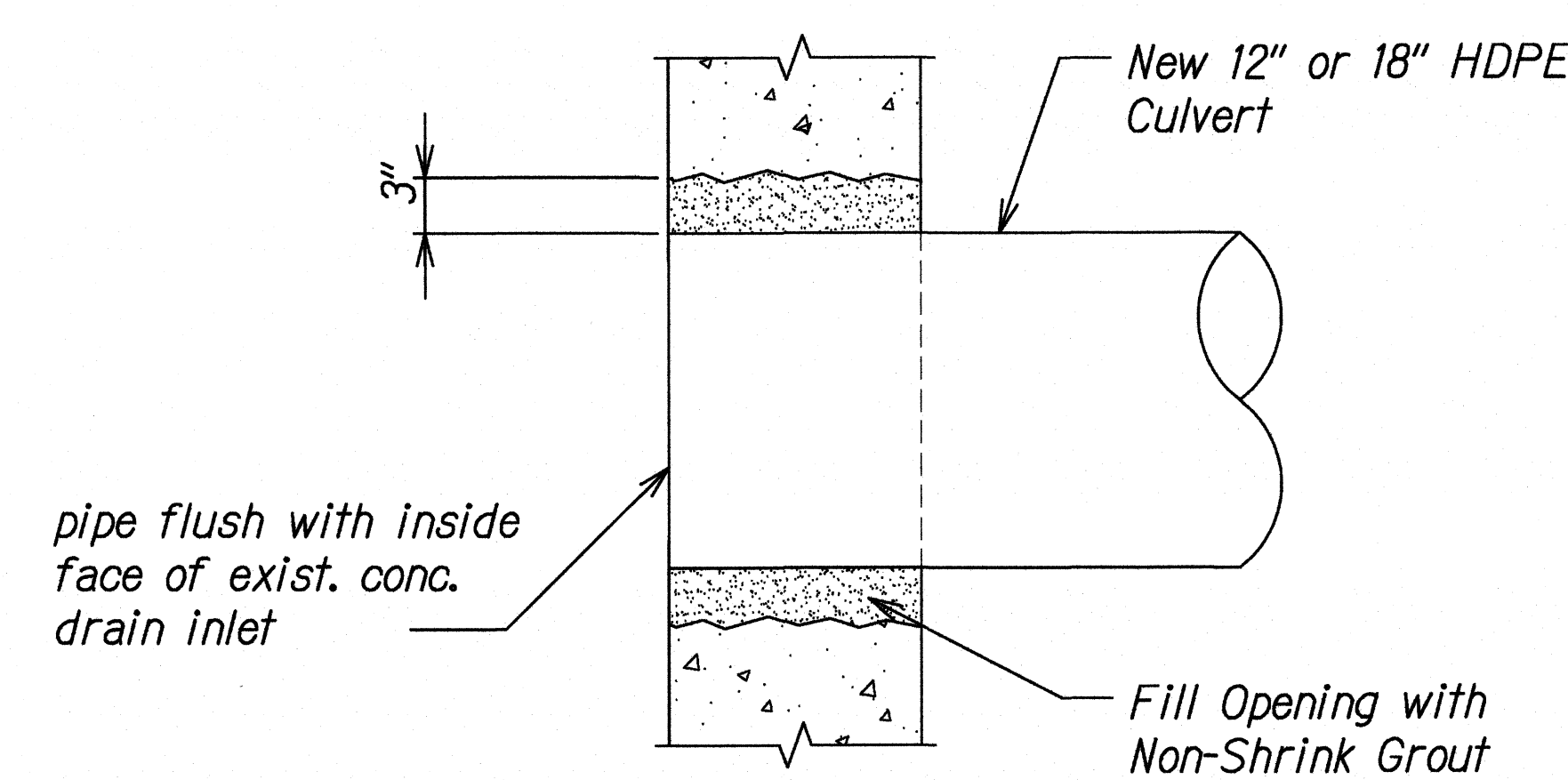
GRATING AND SEAT DETAIL
Scale: Not to Scale EC-14 EC-14



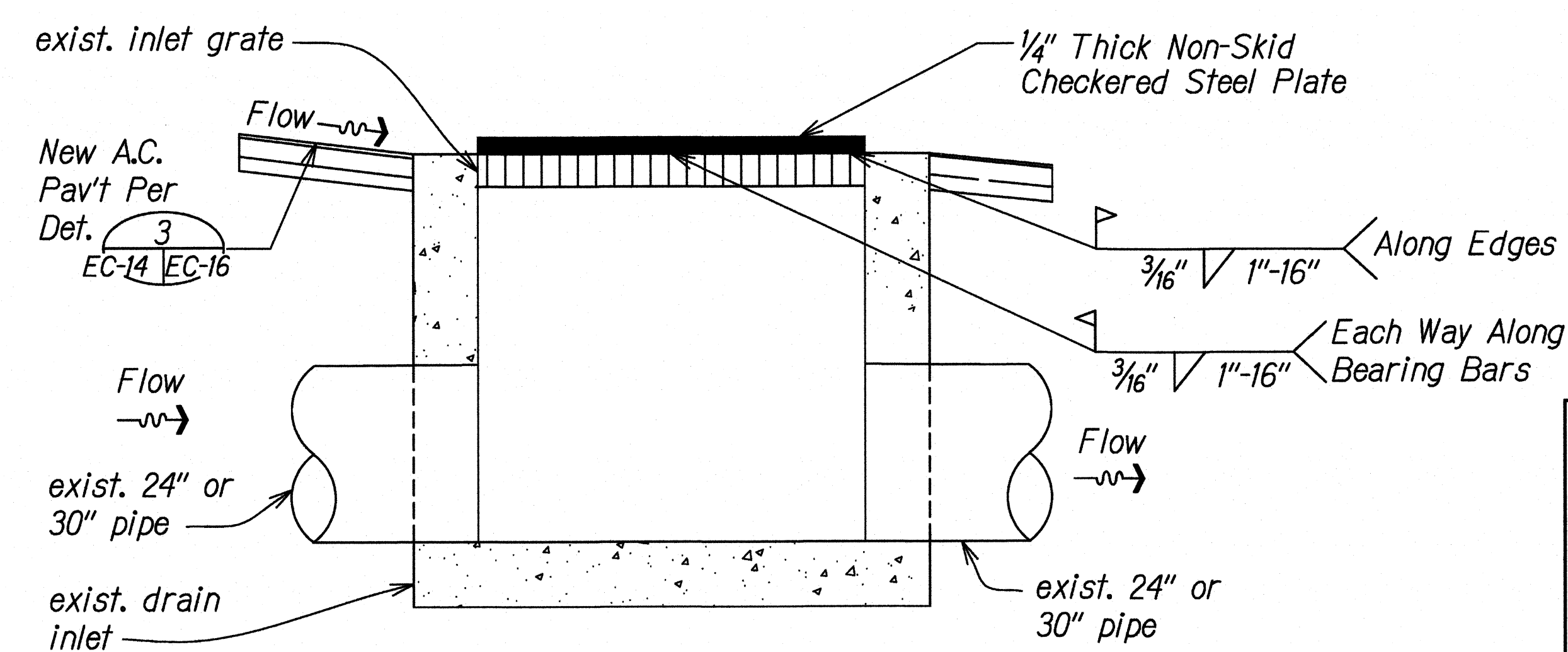
SWALE SECTION
Scale: Not to Scale EC-09, EC-16 EC-14



REINFORCED CONCRETE JACKET

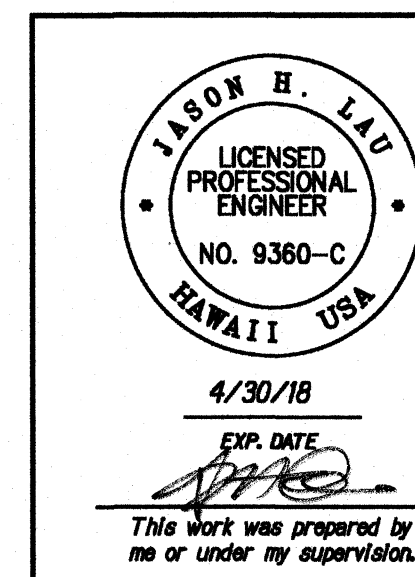


CULVERT CONNECTION DETAIL
Scale: Not to Scale EC-09, EC-10 EC-14



DRAIN INLET STEEL PLATE DETAIL
Scale: Not to Scale EC-09, EC-10 EC-14

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting



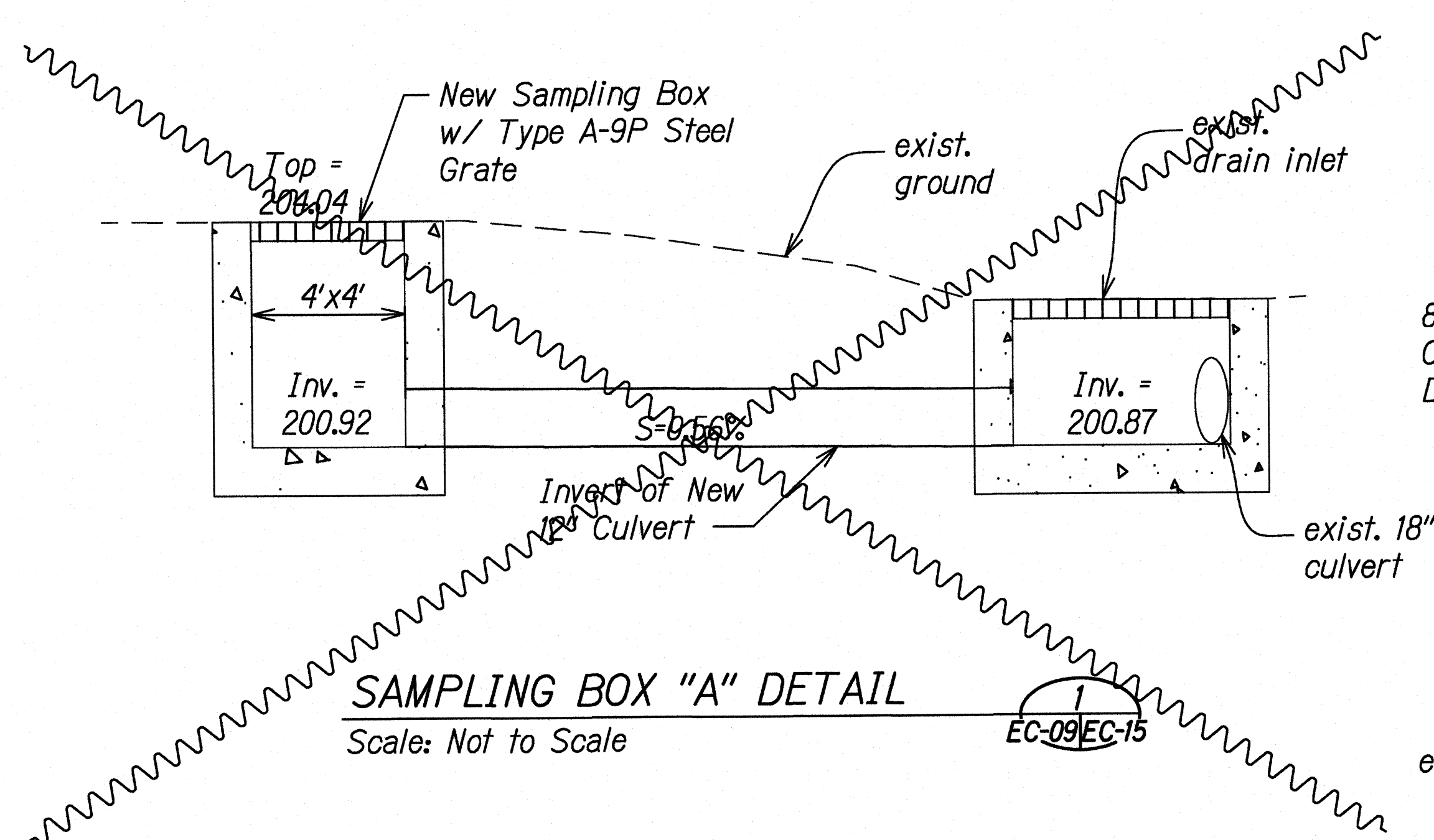
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAILS

STORM WATER BEST MANAGEMENT PRACTICES
IMPROVEMENTS AT MAINTENANCE BASEYARDS ON OAHU
Project No. HWY-O-02-18M
Scale: Not to Scale Date: March 2018

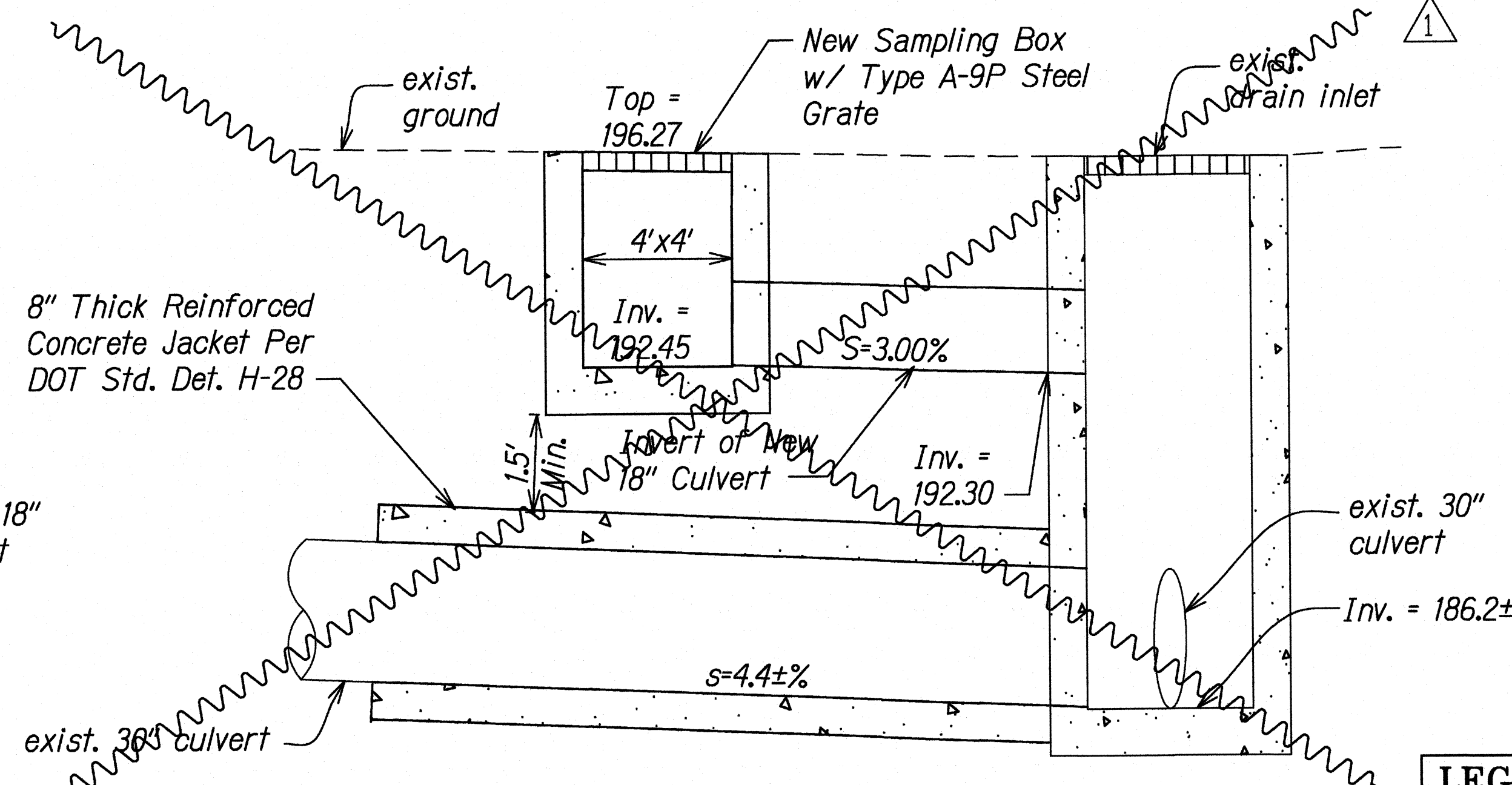
SHEET No. EC-14 OF 23 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-02-18M	2018	25	33



SAMPLING BOX "A" DETAIL
Scale: Not to Scale

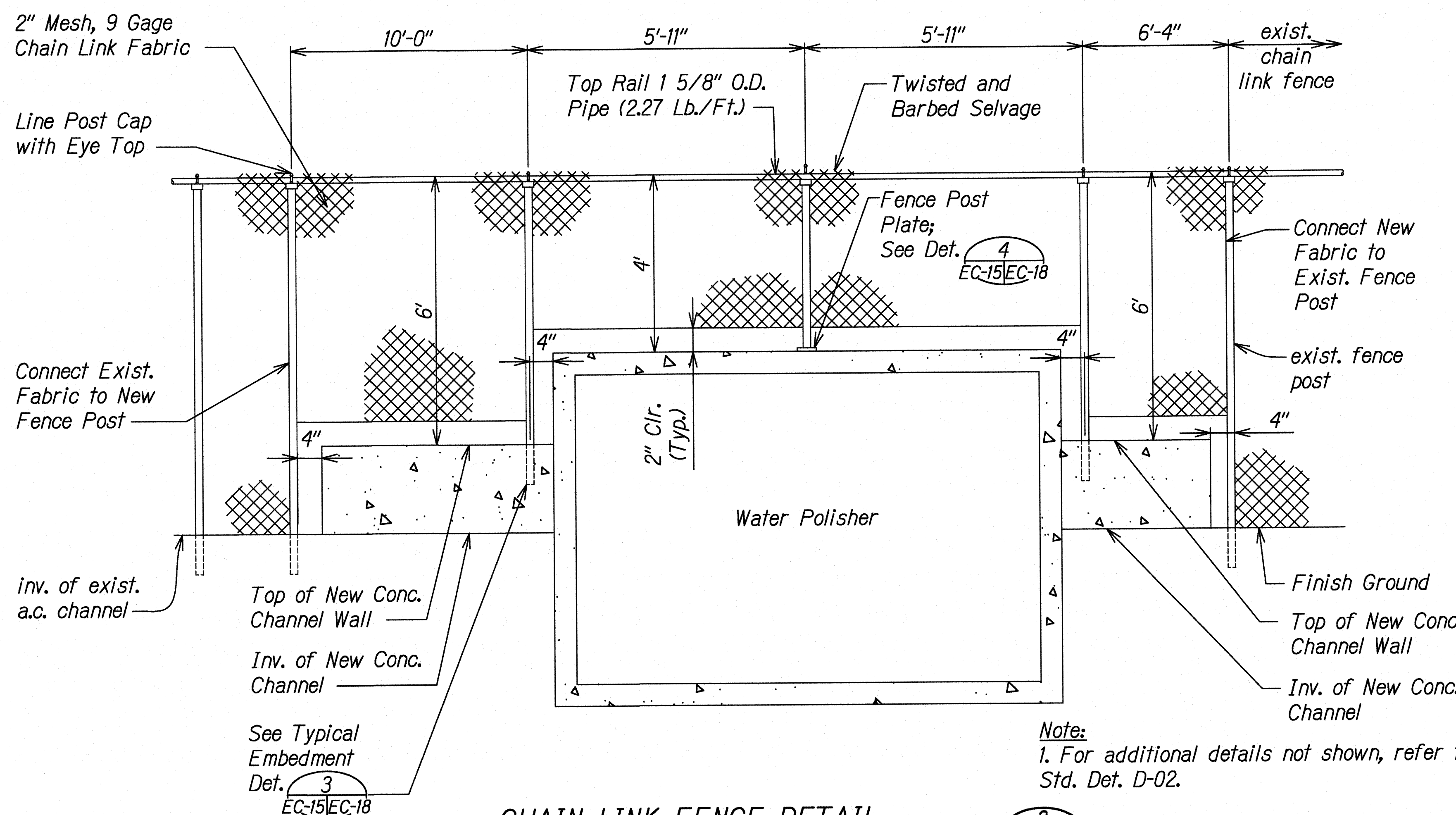
EC-09/EC-15



SAMPLING BOX "B" DETAIL
Scale: Not to Scale

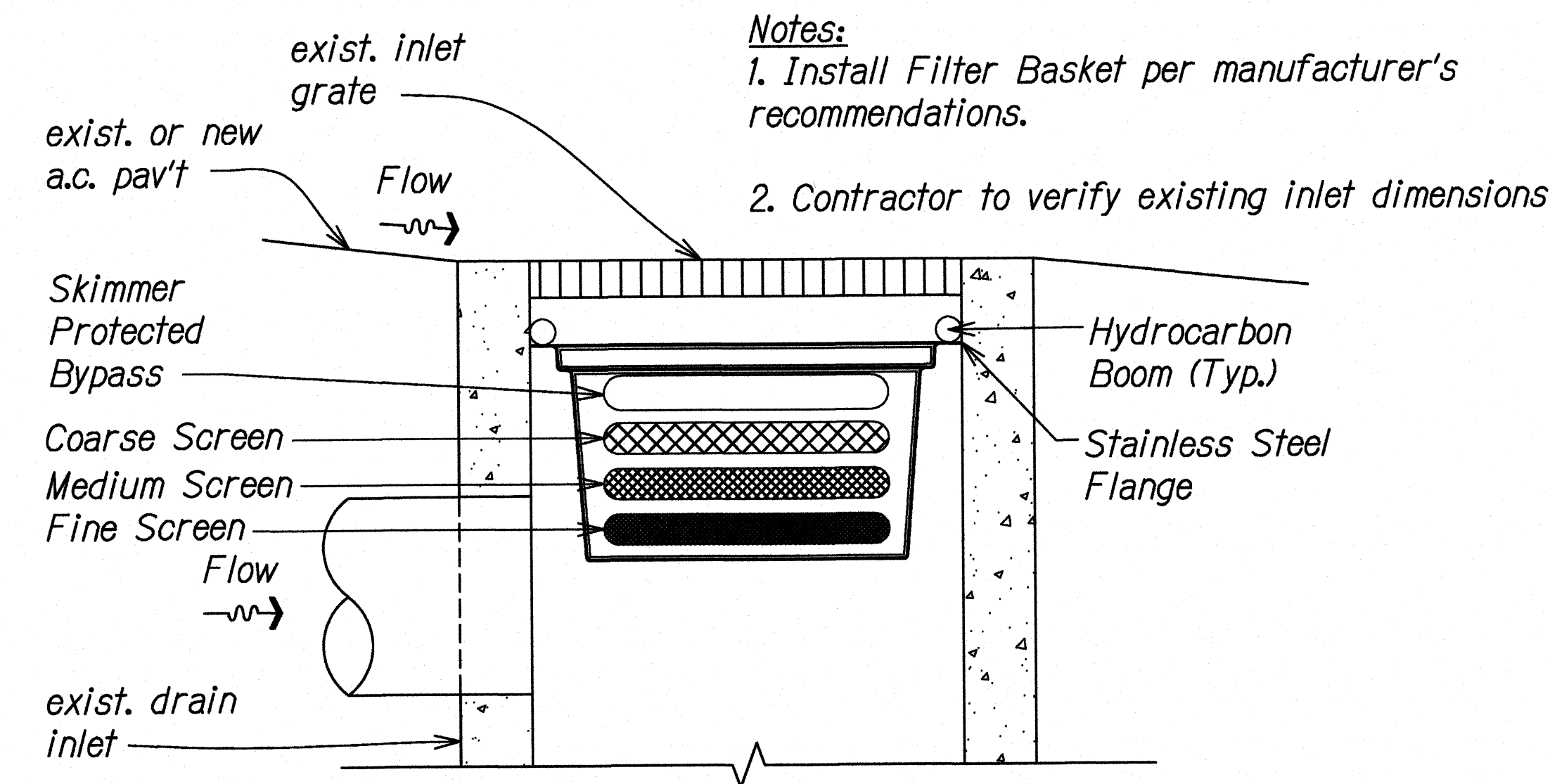
EC-10/EC-15

LEGEND FOR AS-BUILT POSTINGS	
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	Double line for as-built deletion
	Text for as-built posting



CHAIN LINK FENCE DETAIL
Scale: Not to Scale

EC-07/EC-15

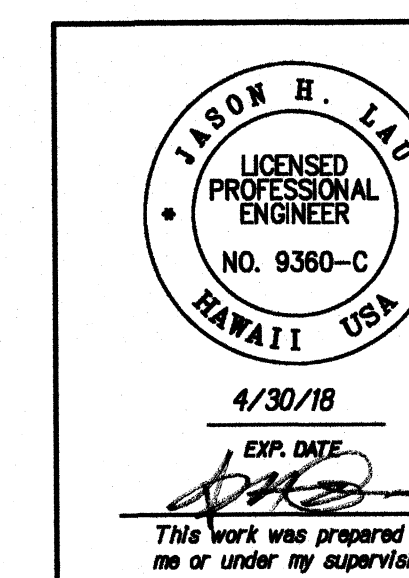


INLET FILTER BASKET DETAIL
Scale: Not to Scale

EC-09, EC-10/EC-15

- Notes:**
1. Install Filter Basket per manufacturer's recommendations.
 2. Contractor to verify existing inlet dimensions

10/19/18	PCD - 1
DATE	REVISION



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
DETAILS	
STORM WATER BEST MANAGEMENT PRACTICES IMPROVEMENTS AT MAINTENANCE BASEYARDS ON OAHU	
Project No. HWY-O-02-18M	Date: March 2018
Scale: Not to Scale	

SHEET No. EC-15 OF 23 SHEETS

"AS-BUILT"

C.O. 25

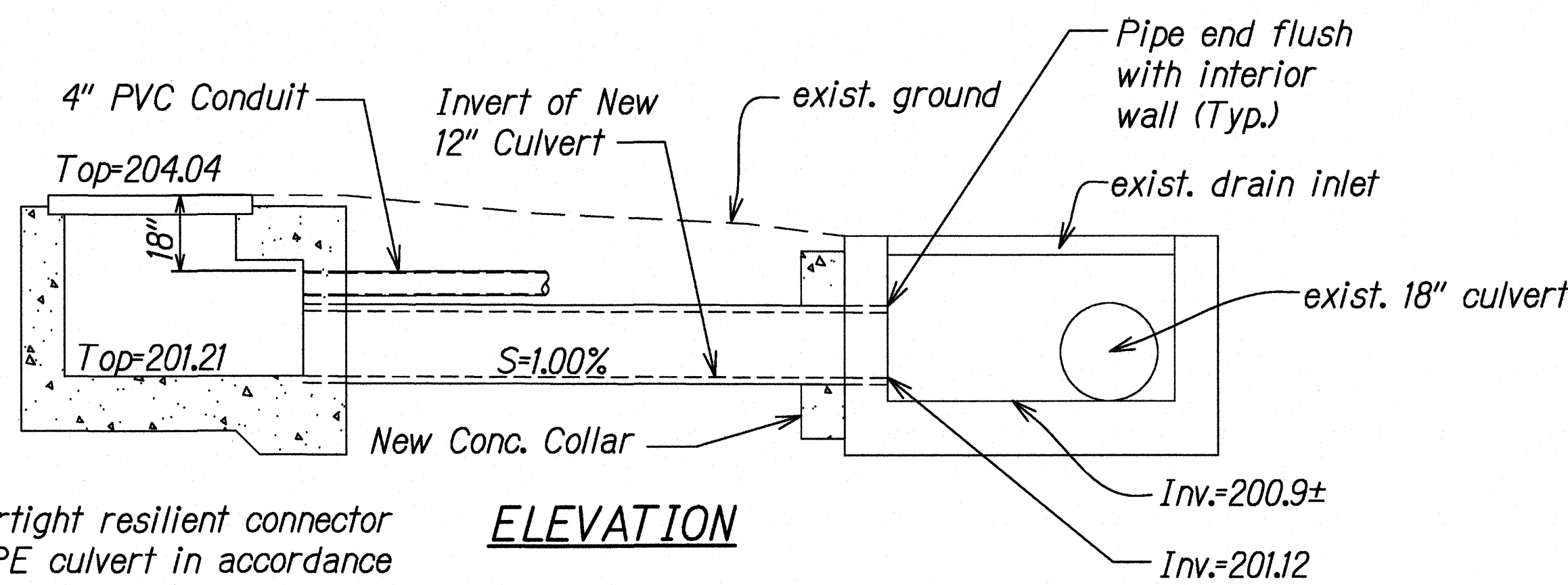
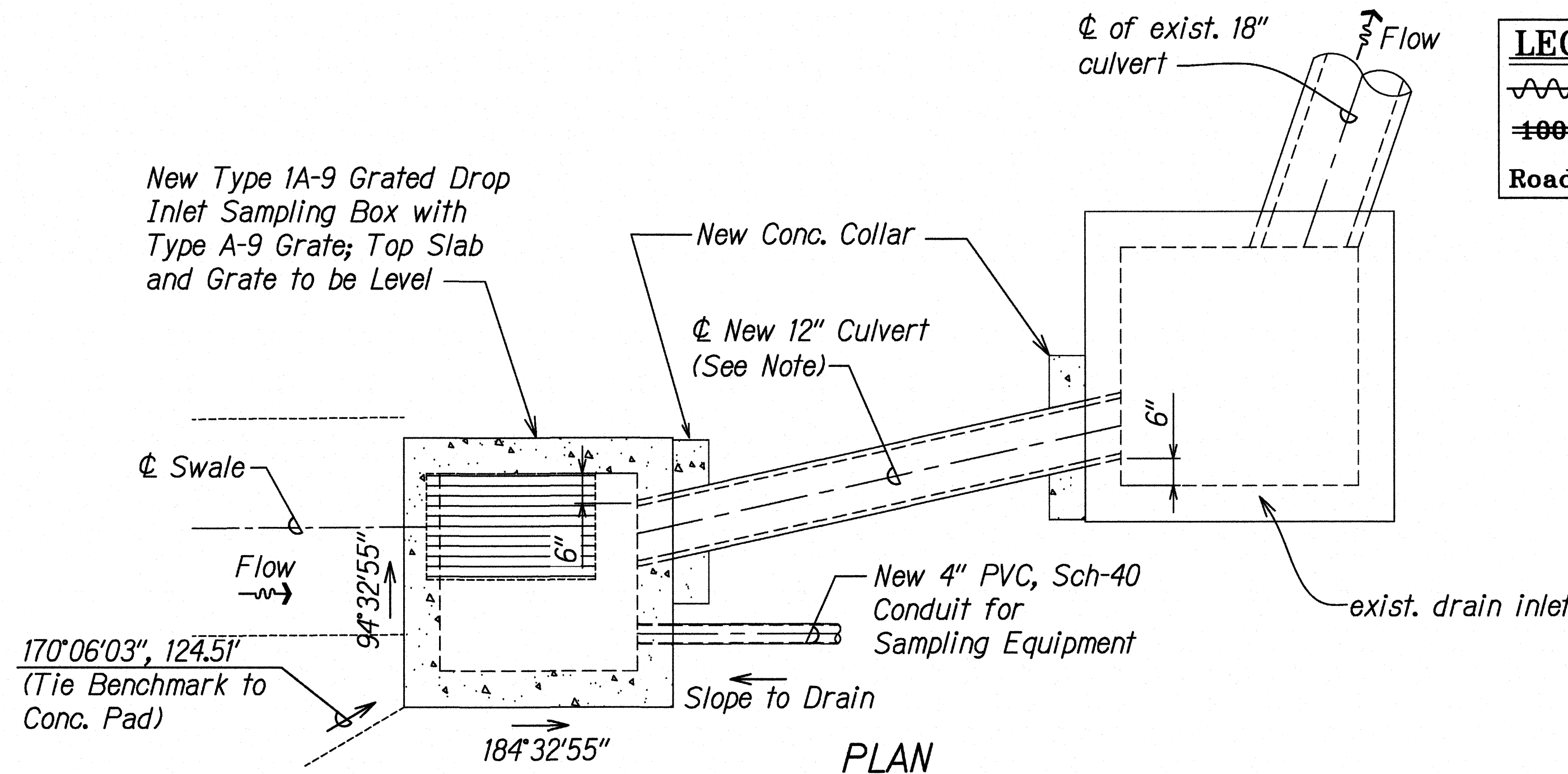
SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NO.	

25 DETAILS.DWG 10/23/2018 4:52:22 PM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-O-02-18M	2018	C.O. 25S-1	33

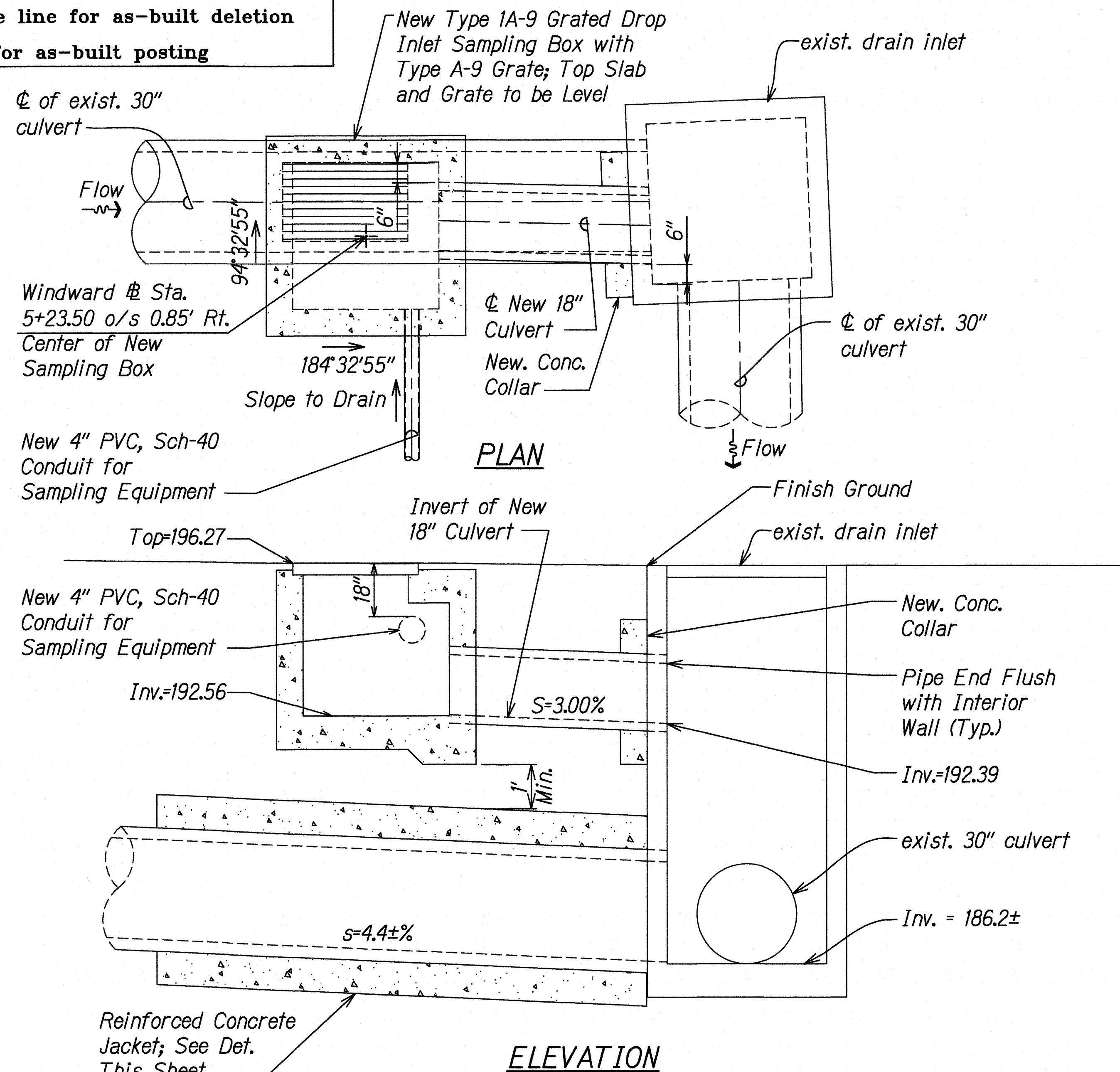
LEGEND FOR AS-BUILT POSTINGS

~~~~~ Squiggly line for as-built deletion  
 =100.00 Double line for as-built deletion  
 Roadway Text for as-built posting

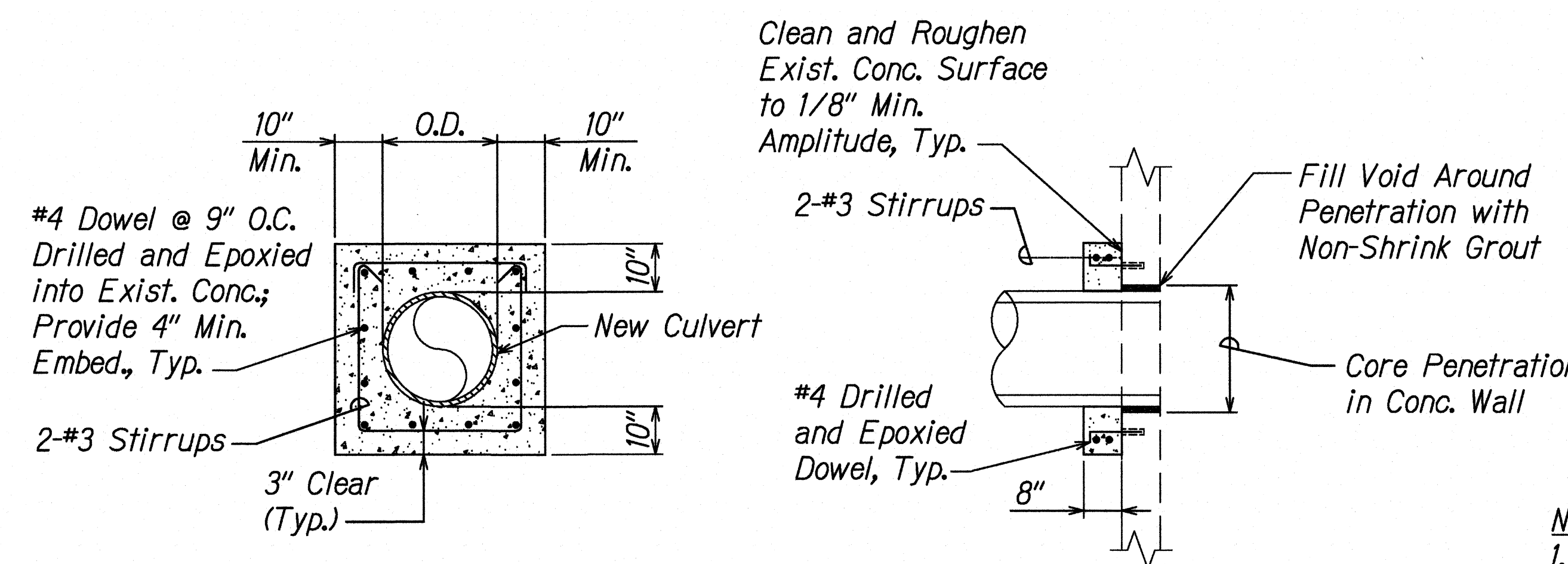


**Note:**  
 1. Install flexible watertight resilient connector at both ends of HDPE culvert in accordance with manufacturers recommendations.

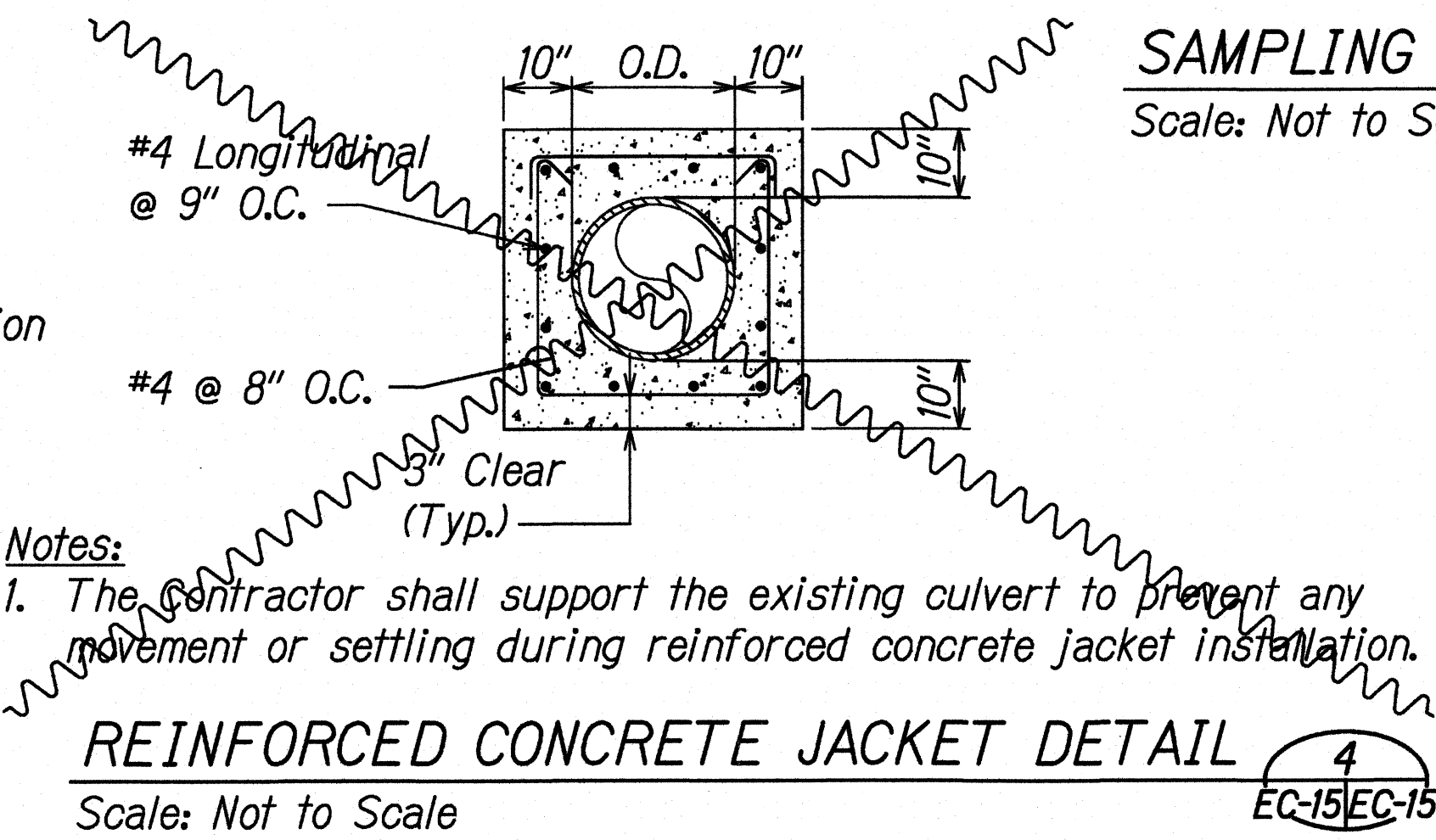
**SAMPLING BOX "A" DETAIL**  
 Scale: Not to Scale



**SAMPLING BOX "B" DETAIL**  
 Scale: Not to Scale



**REINFORCED CONCRETE COLLAR DETAIL**  
 Scale: Not to Scale



**REINFORCED CONCRETE JACKET DETAIL**  
 Scale: Not to Scale

|          |          |
|----------|----------|
| 10/19/18 | PCD - 1  |
| DATE     | REVISION |

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

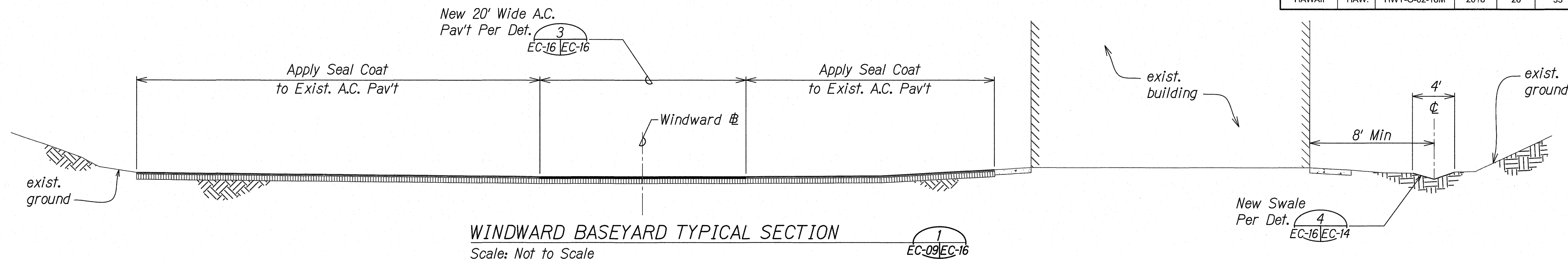
**DETAILS**

STORM WATER BEST MANAGEMENT PRACTICES  
 IMPROVEMENTS AT MAINTENANCE BASEYARDS ON OAHU  
 Project No. HWY-O-02-18M  
 Scale: Not to Scale Date: March 2018

SHEET No. EC-15 OF 23 SHEETS

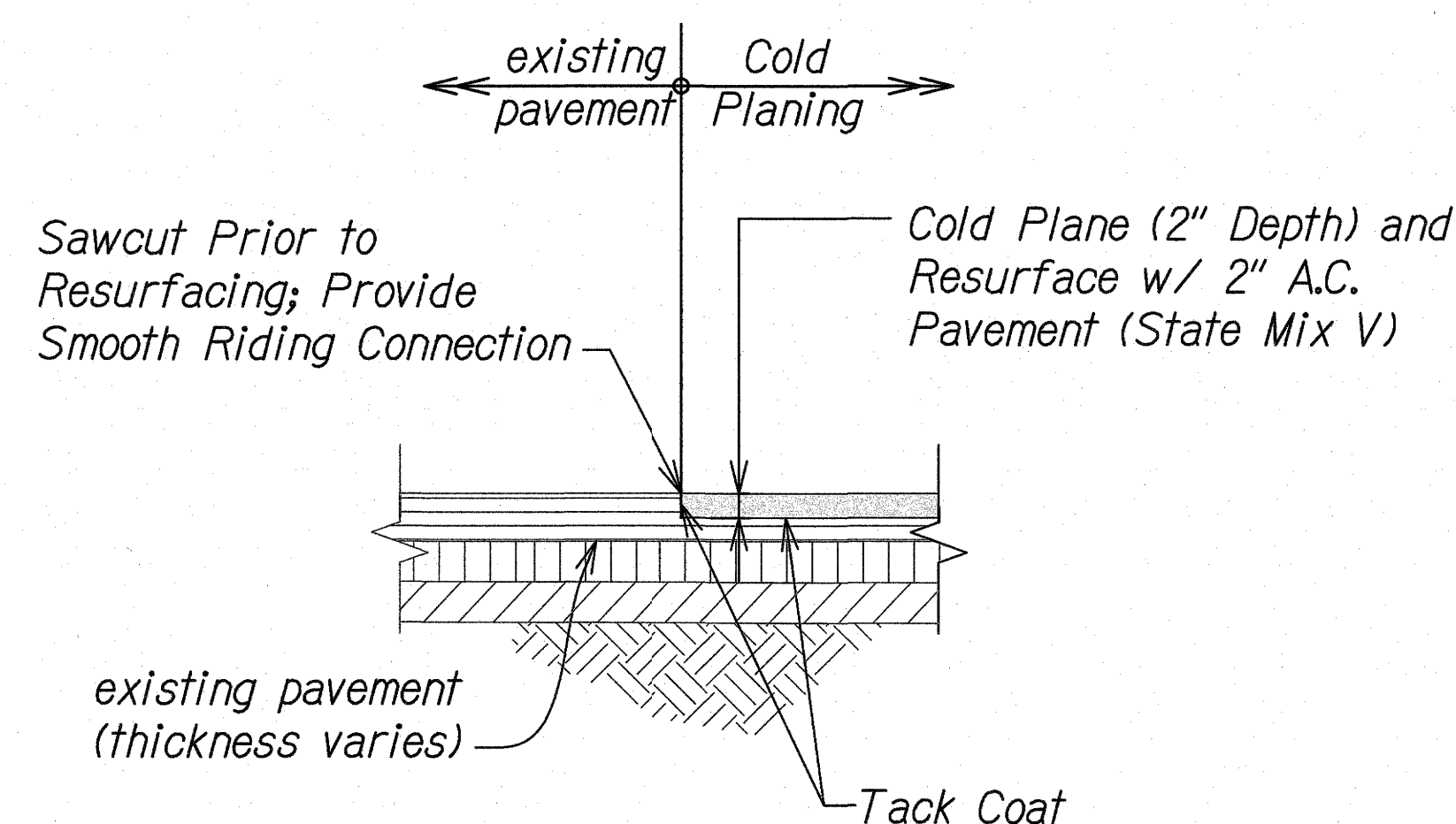


| FED. ROAD DIST. NO. | STATE | PROJ. NO.    | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | HWY-O-02-18M | 2018        | 26        | 33           |



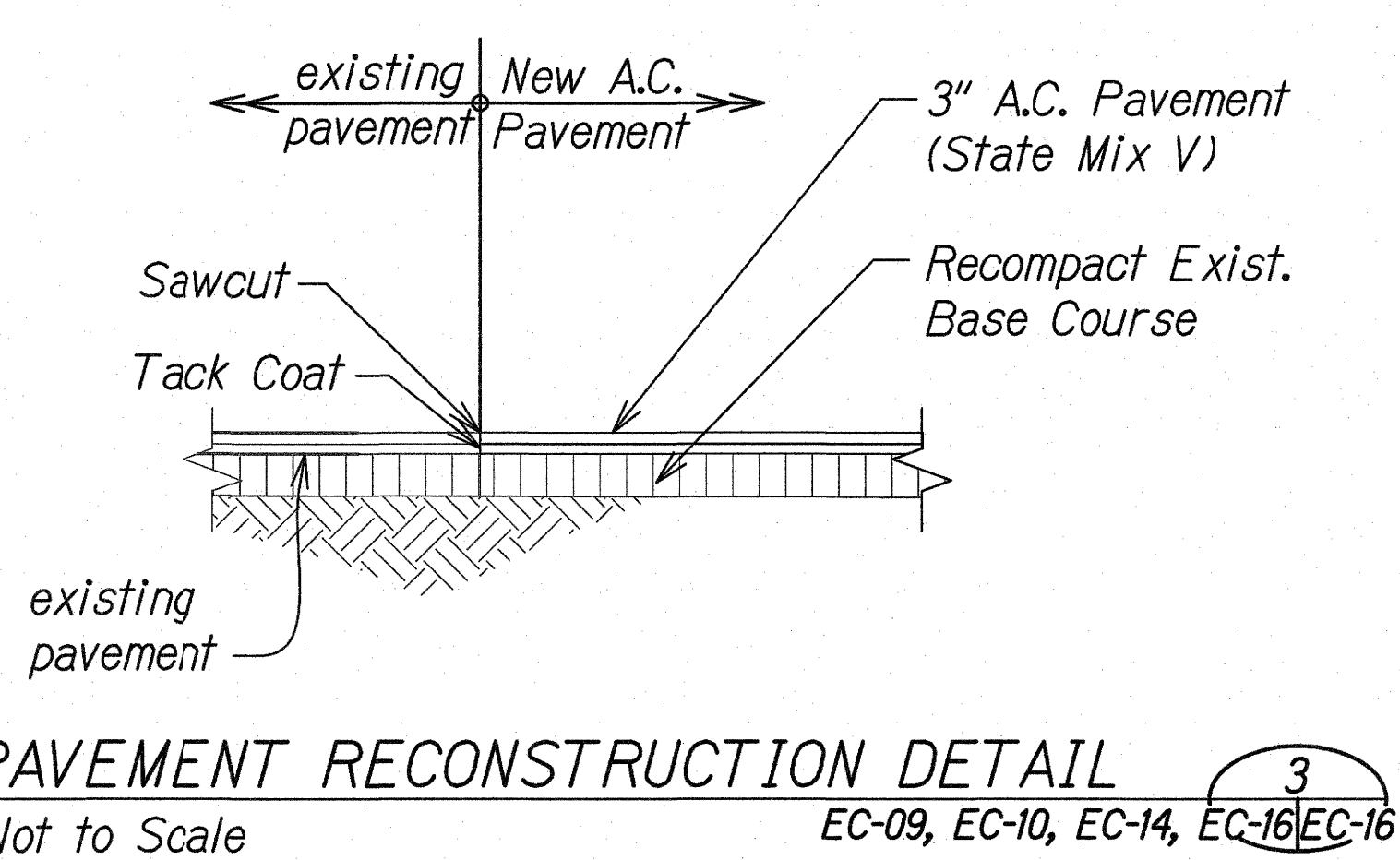
WINDWARD BASEYARD TYPICAL SECTION

Scale: Not to Scale



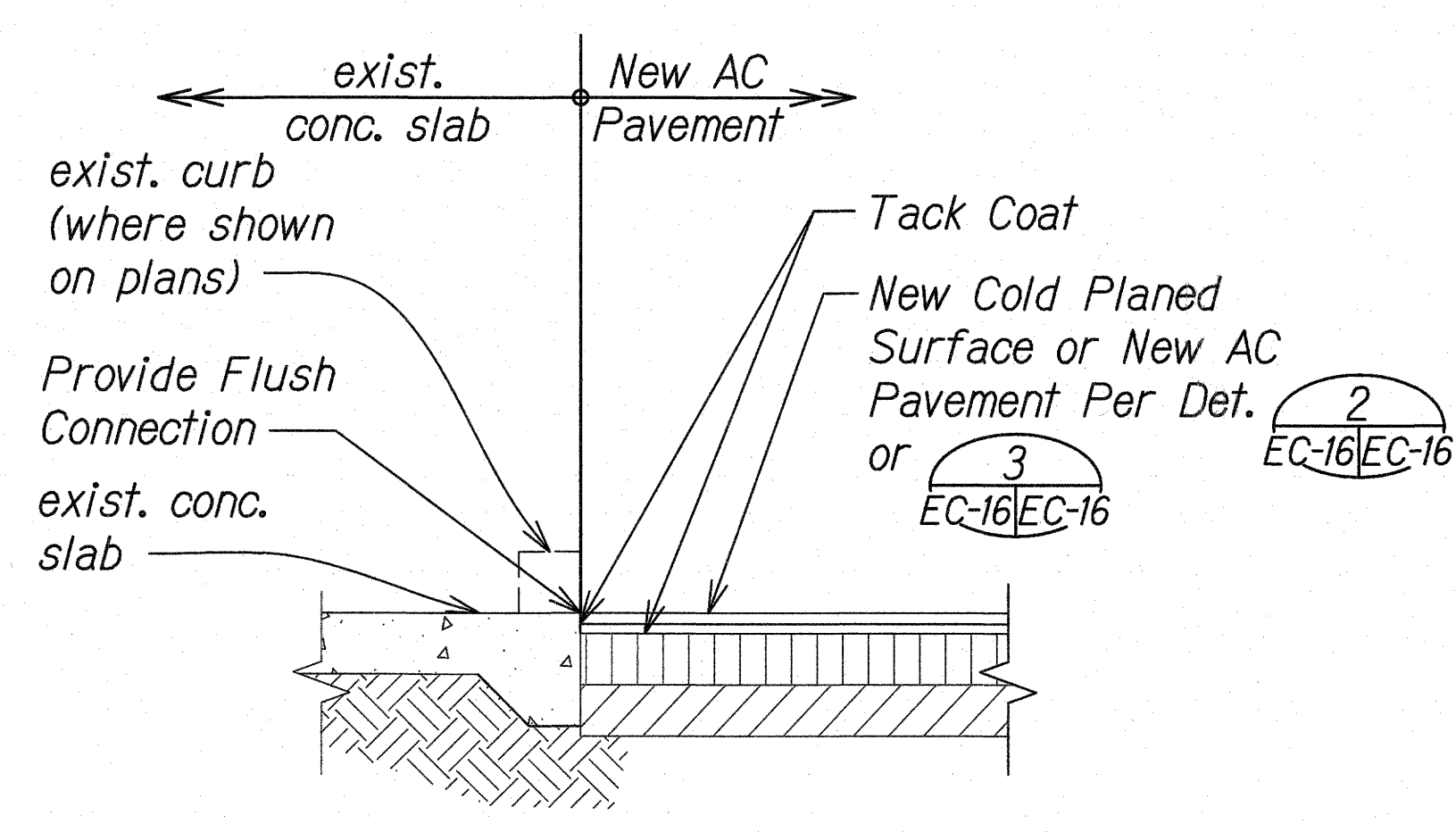
A.C. PAVEMENT RESURFACING DETAIL

Scale: Not to Scale



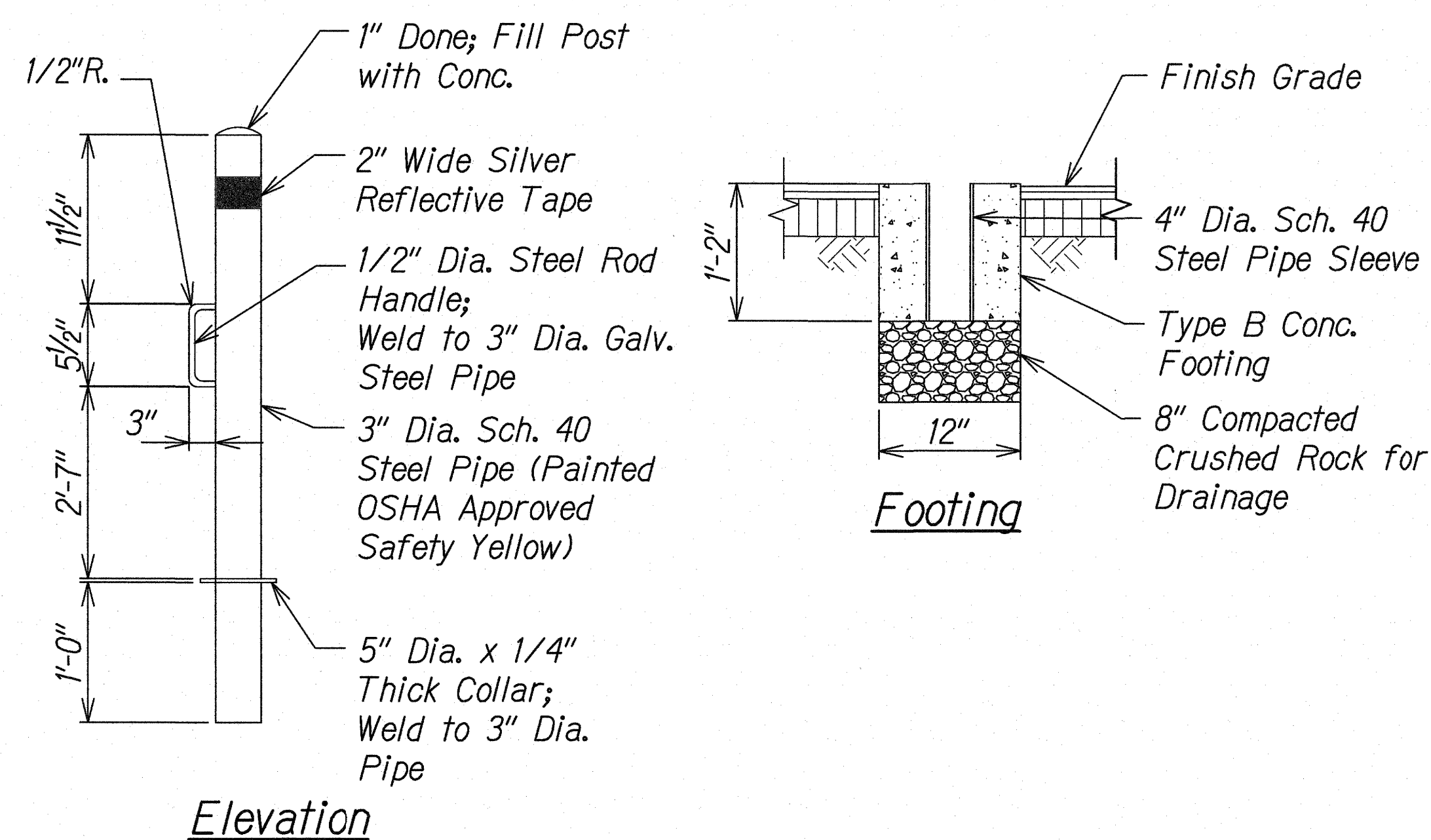
A.C. PAVEMENT RECONSTRUCTION DETAIL

Scale: Not to Scale



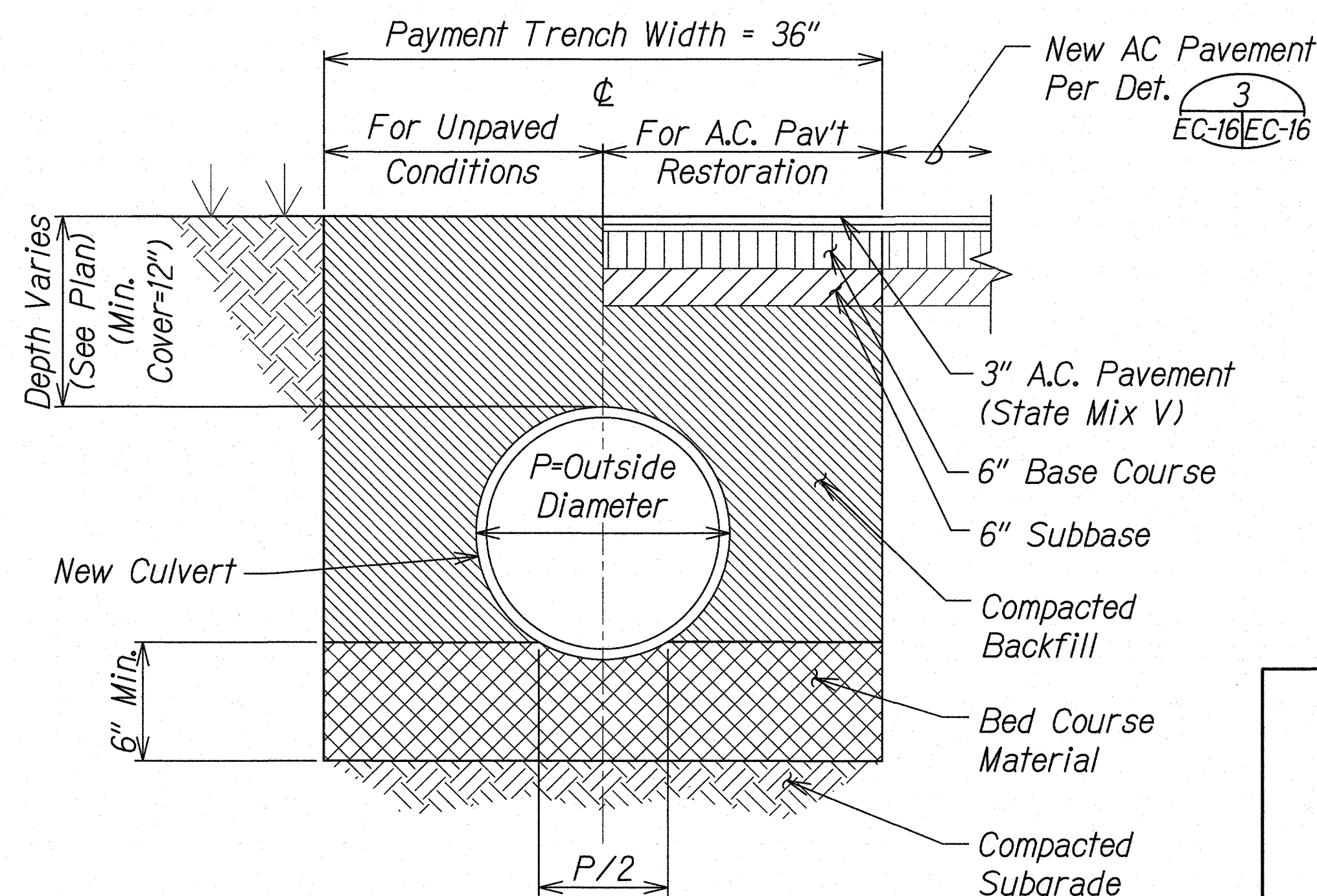
AC PAVEMENT/CONCRETE TRANSITION DETAIL

Scale: Not to Scale



REMOVABLE PIPE BOLLARD DETAIL

Scale: Not to Scale



CULVERT TRENCH DETAIL

Scale: Not to Scale

4/30/18  
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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**DETAILS**

STORM WATER BEST MANAGEMENT PRACTICES  
IMPROVEMENTS AT MAINTENANCE BASEYARDS ON OAHU  
Project No. HWY-O-02-18M  
Scale: Not to Scale Date: March 2018

SHEET No. EC-16 OF 23 SHEETS