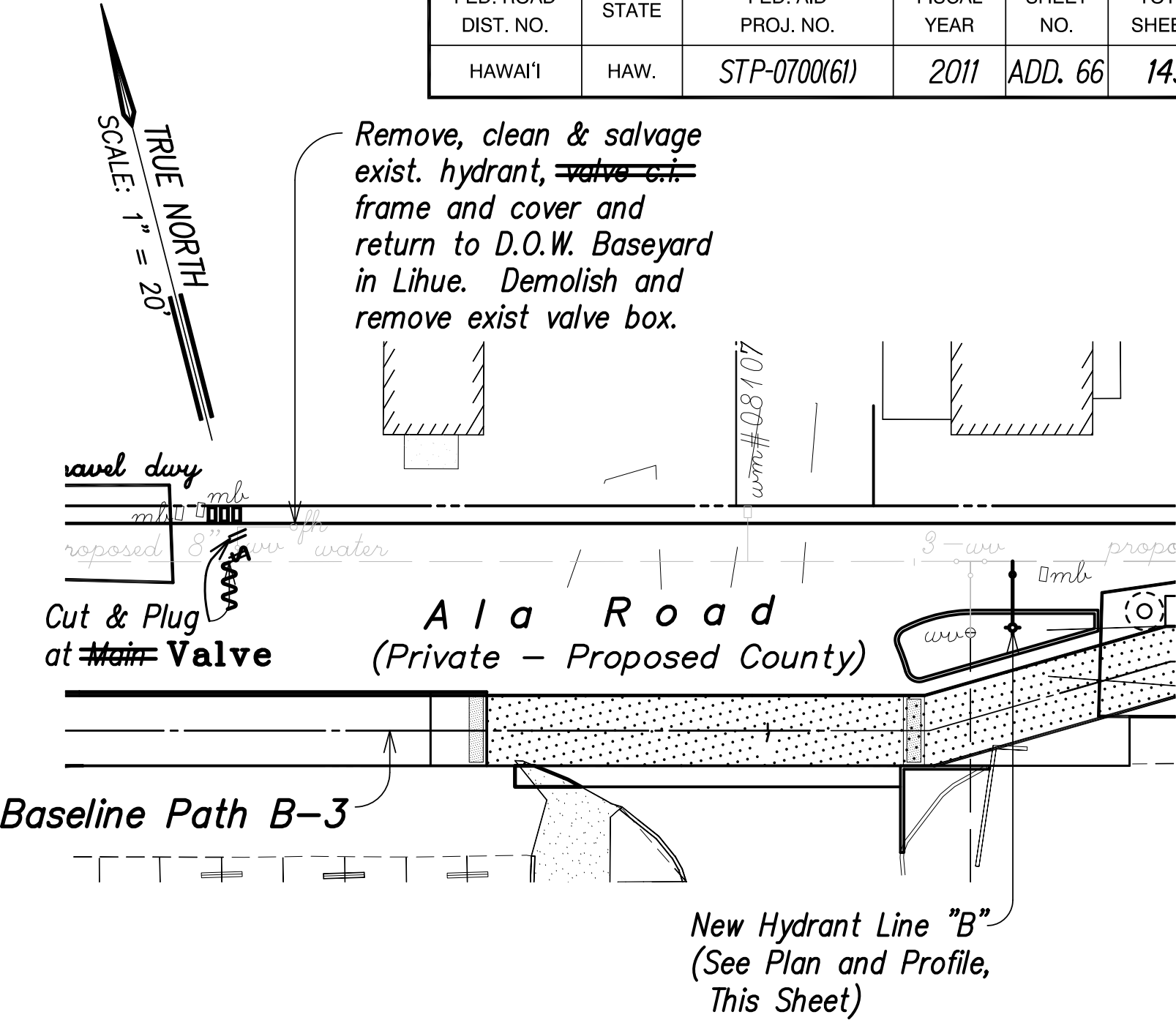
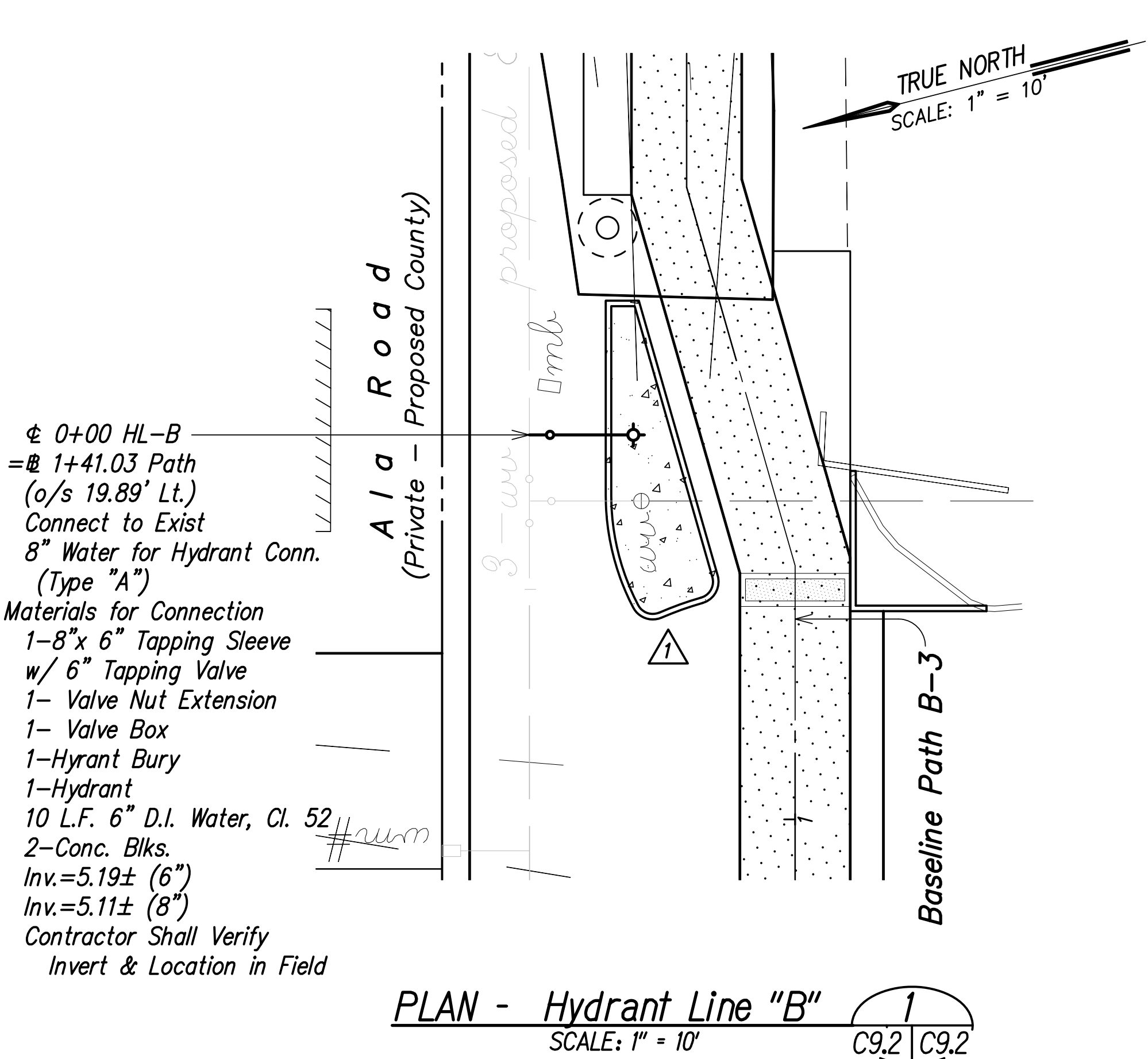
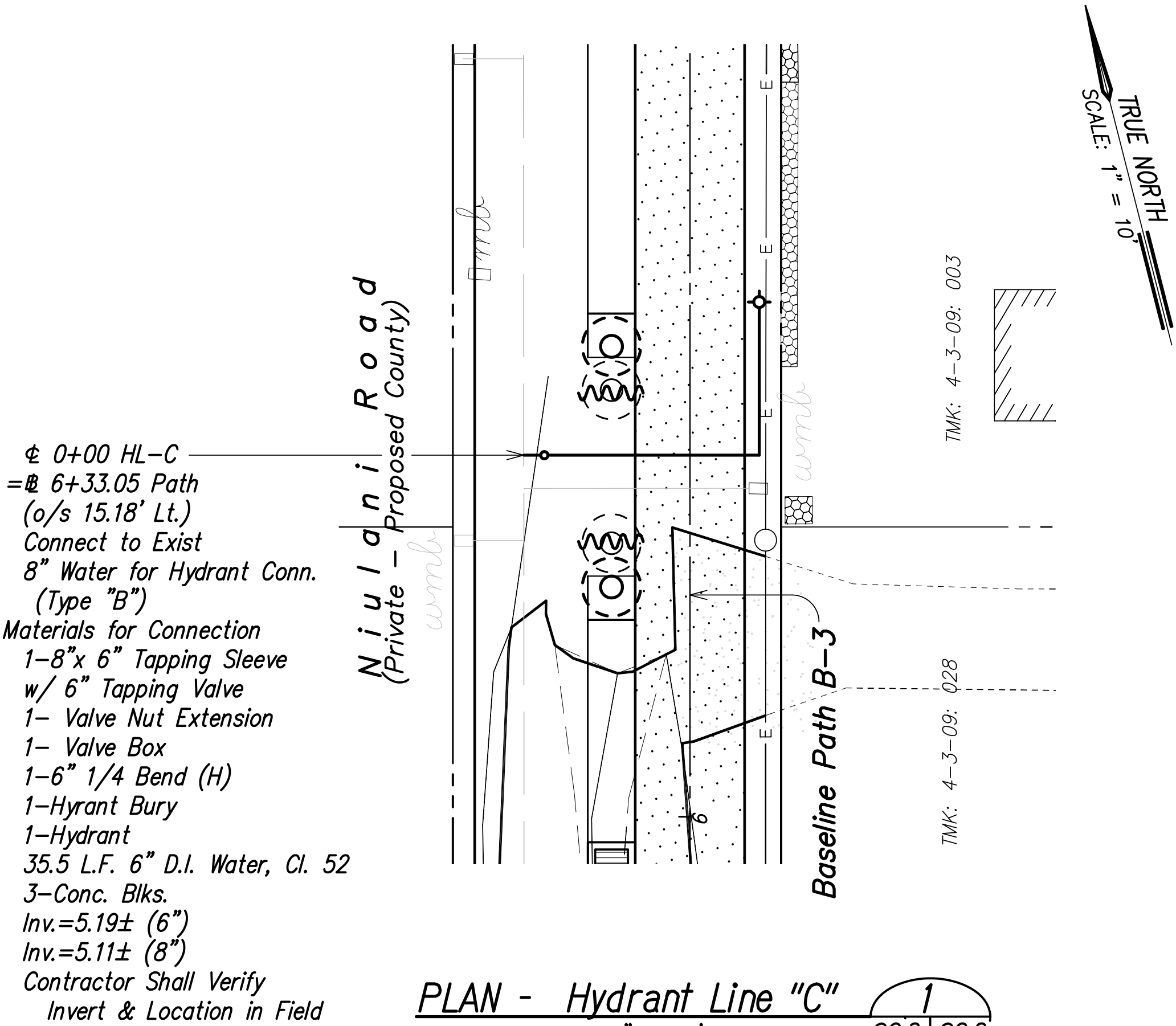
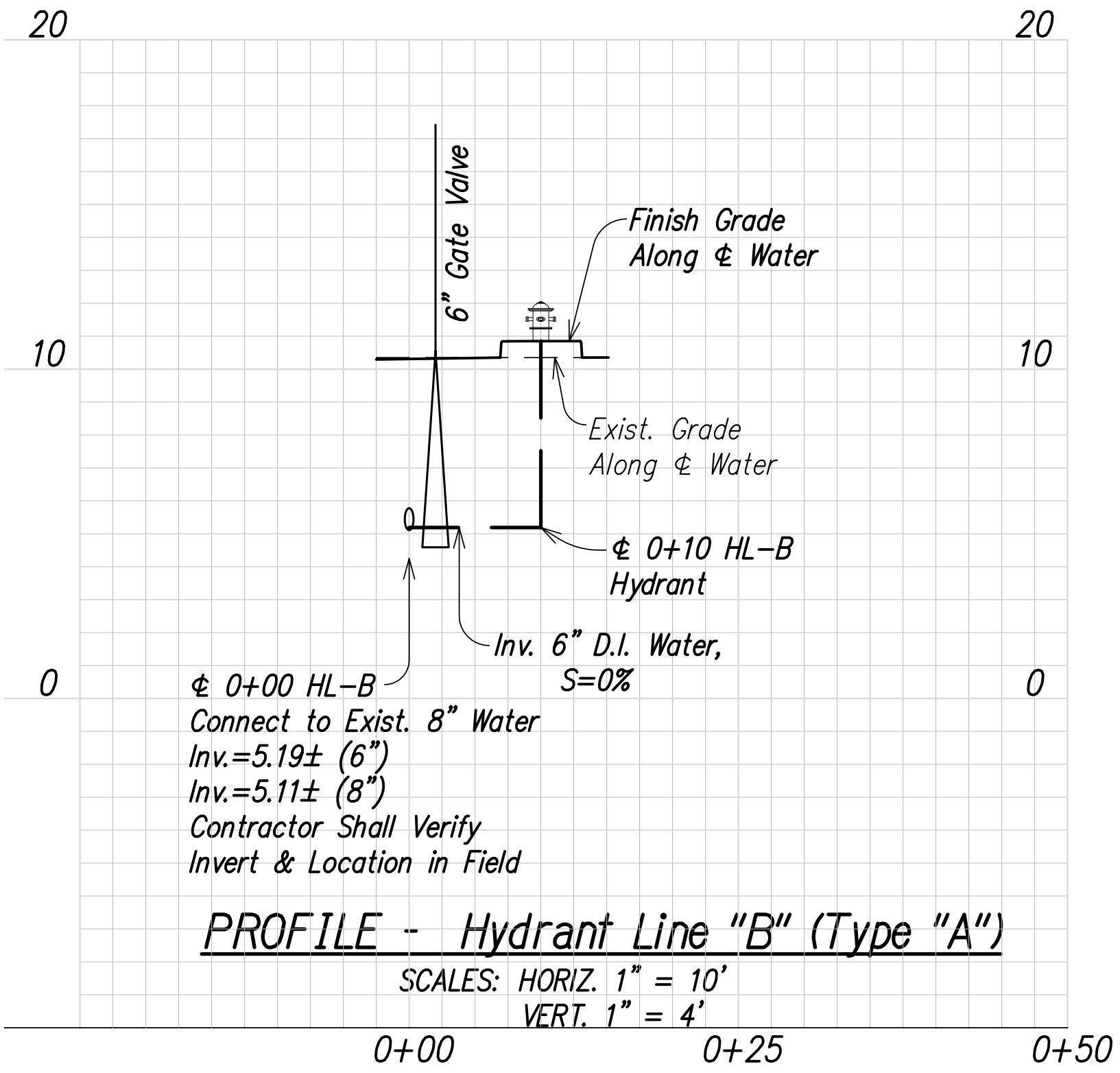
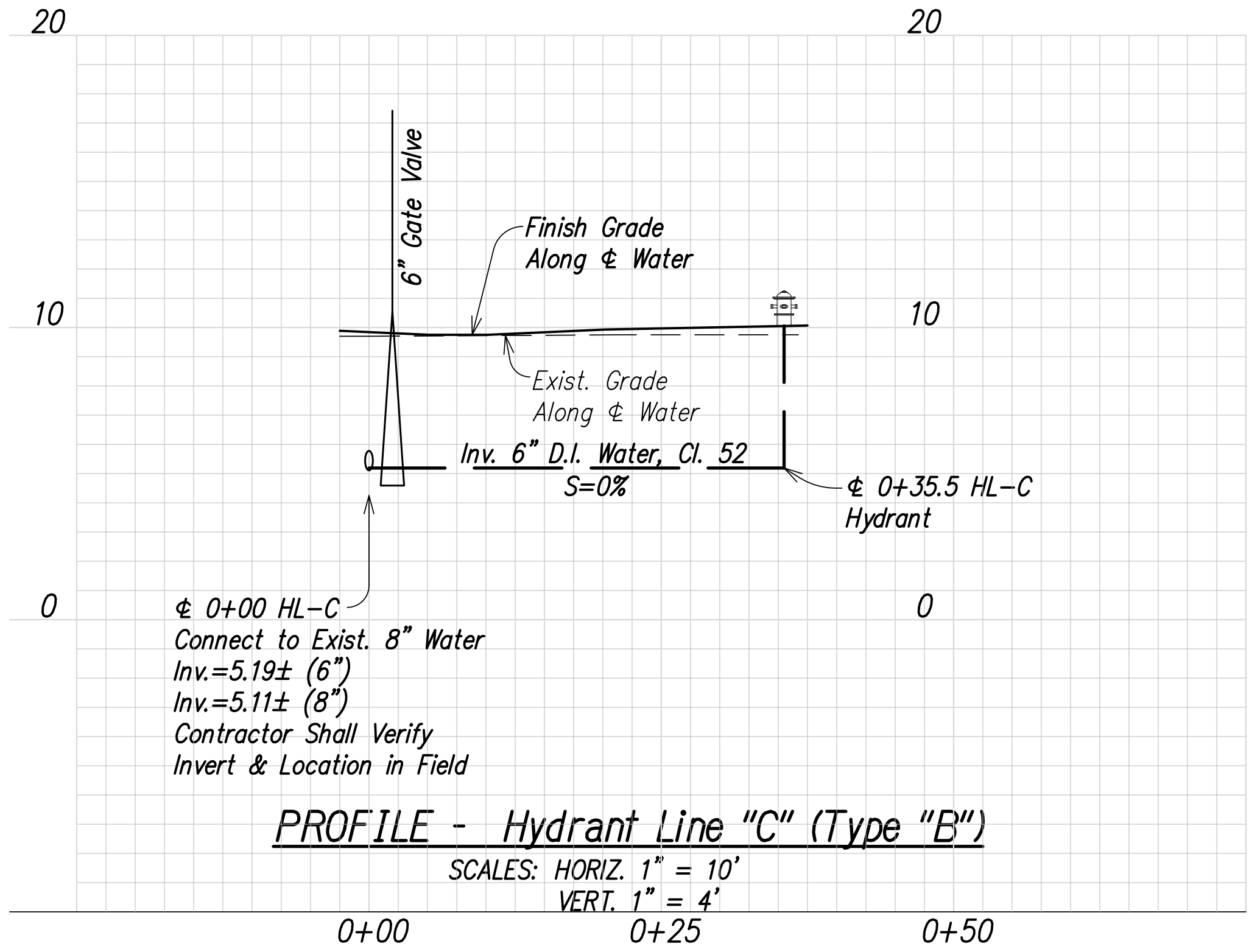


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(61)	2011	ADD. 66	143



- NOTES:
- 1) New Hydrant Shall be operational before existing hydrant is removed.
 - 2) The right-of-way and relevant property corners at the proposed new water meter, hydrant, ARV, etc., locations shall be surveyed and marked by a licensed surveyor prior to construction.
 - 3) On all laterals to be cut and plugged at the main, install threaded brass caps on the existing corp. cock outlet to prevent future leakage. Remove the existing piping & fittings that are inside the meter boxes that will be removed. Each existing service lateral shall not be abandoned until the new service lateral is placed into service.



LEGEND FOR AS-BUILT POSTINGS

Squiggly line for as-built deletion

Double line for as-built deletion

Roadway Text for as-built posting

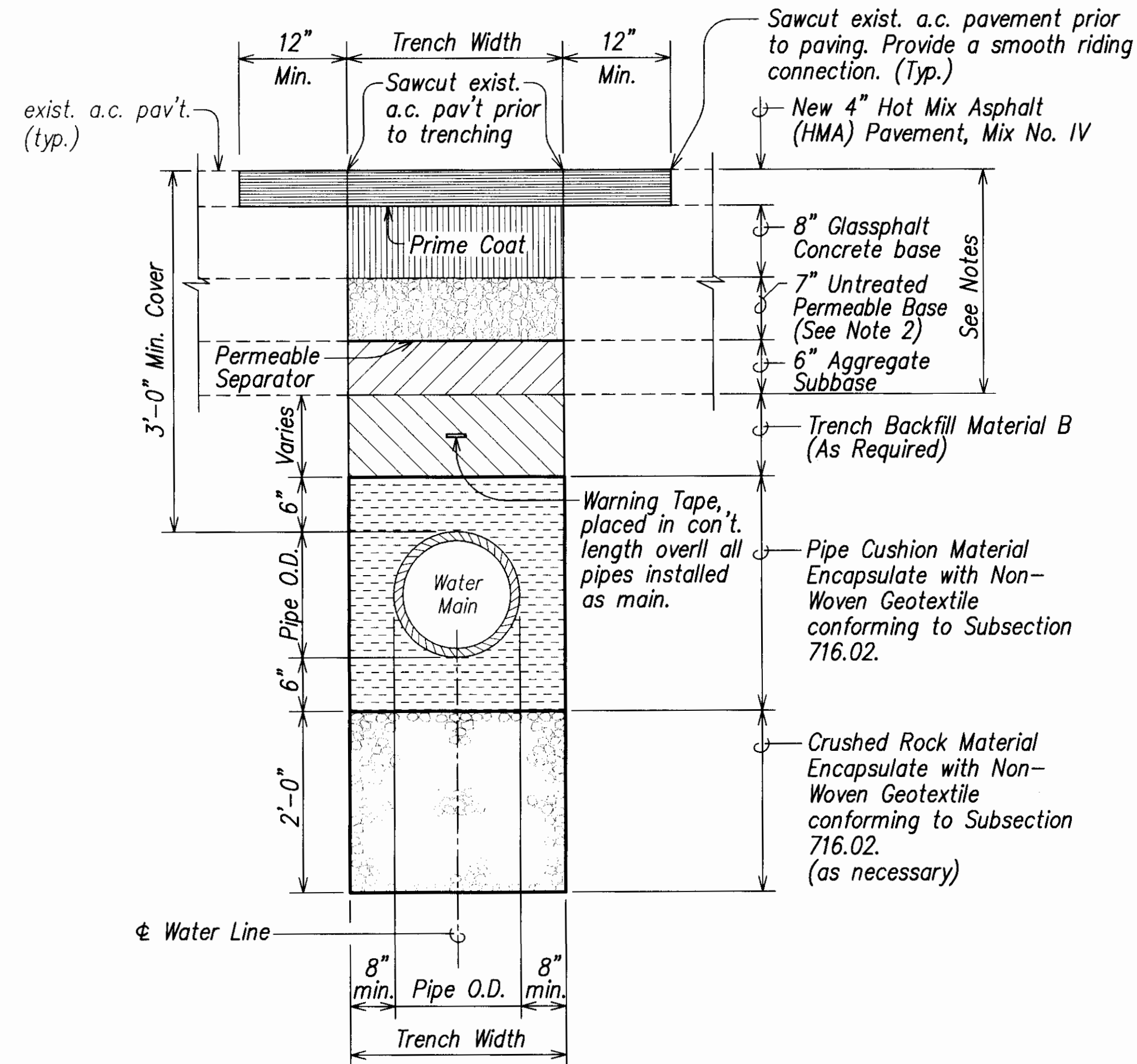
DATE	REVISION
1/19/12	Added conc. hatch to median
COUNTY OF KAUAI DEPARTMENT OF PUBLIC WORKS LYDGATE PARK TO KAPA'A BIKE/ PEDESTRIAN PATH PHASE B KAPA'A, KAUAI, HAWAII	
PLAN & PROFILE HYDRANT LINE "B" & "C" FEDERAL-AID PROJECT NO. STP-0700(61) DATE: NOVEMBER 2011	
DRAWN BY: TSW	F.B. C.B. SHEET
TRACED BY:	
CHECKED BY: RMA	
C9.2 OF SHEETS	

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Russell M. Araki 1-30-14
SIGNATURE EXPIRATION DATE OF THE LICENSE

MANAGER AND CHIEF ENGINEER DEPT. OF WATER, COUNTY OF KAUAI	DATE
COUNTY ENGINEER (FOR WORK WITHIN COUNTY RIGHT OF WAY)	DATE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(61)	2011	67	143



Notes:

1. A.C. Pavement and Base Course to match existing thickness or the minimum thicknesses shown, whichever is greater. Pavement structure shall be equal to or better than existing in thickness and quality.
2. Permeable Base and Permeable Separator shall not be installed in areas where the existing adjacent pavement do not have a permeable base. Install aggregate subbase in lieu of untreated permeable base.

(FOR STATE HIGHWAY RIGHT-OF-WAY)
TYPICAL WATER LINE TRENCH DETAIL
Not to Scale

NOTE:

Install Type "X" Concrete Meter Box w/ Cast Iron Cover in Sidewalk or Paved Areas. Top of Meter Box Shall Be Fushed w/ Finished Grade.

PLAN

PROFILE

SINGLE SERVICE LATERAL
PLAN, PROFILE & MATERIAL LIST
Not to Scale

Schedule of Fittings		
Item	Description	Single Service
A	Bronze Service Saddle w/ 1" CC Tap	1
B	1" CC x 1" MPT Ball Corporation	1
C	Pack Joint Coupling (Ford C14-44 or Approved Equal)	1
D	1" Copper Tube, Type "K" Soft	1
E	1" 90° Copper Elbow, S x S	1
F	1" Copper Male Adapter, S x T	1
G	Angle Ball Valve, 1" Female IPT Inlet x 3/4" Meter Coupling Nut Outlet (Ford BA13-342W or Approved Equal)	1
H	Meter Spacer, Supplied by Department of Water and Installed by Contractor	1
I	Ball Valve w/ Handle, 3/4" Meter Coupling Nut Inlet x 1" Female IPT Outlet (Ford B13-342 w/ HT-34 Handle or Approved Equal)	1
J	Linesetter, 1" Copper Tube, Type "K" Soft, 12" Long (See DOW Std Detail L3)	1
K	1" Plastic Thread Protector, as required	1
L	Type "X" Concrete Meter Box with Cast Iron Cover	1

APPROVED:

David C. [Signature]
MANAGER AND CHIEF ENGINEER
DEPT. OF WATER, COUNTY OF KAUAI

12/21/11
DATE



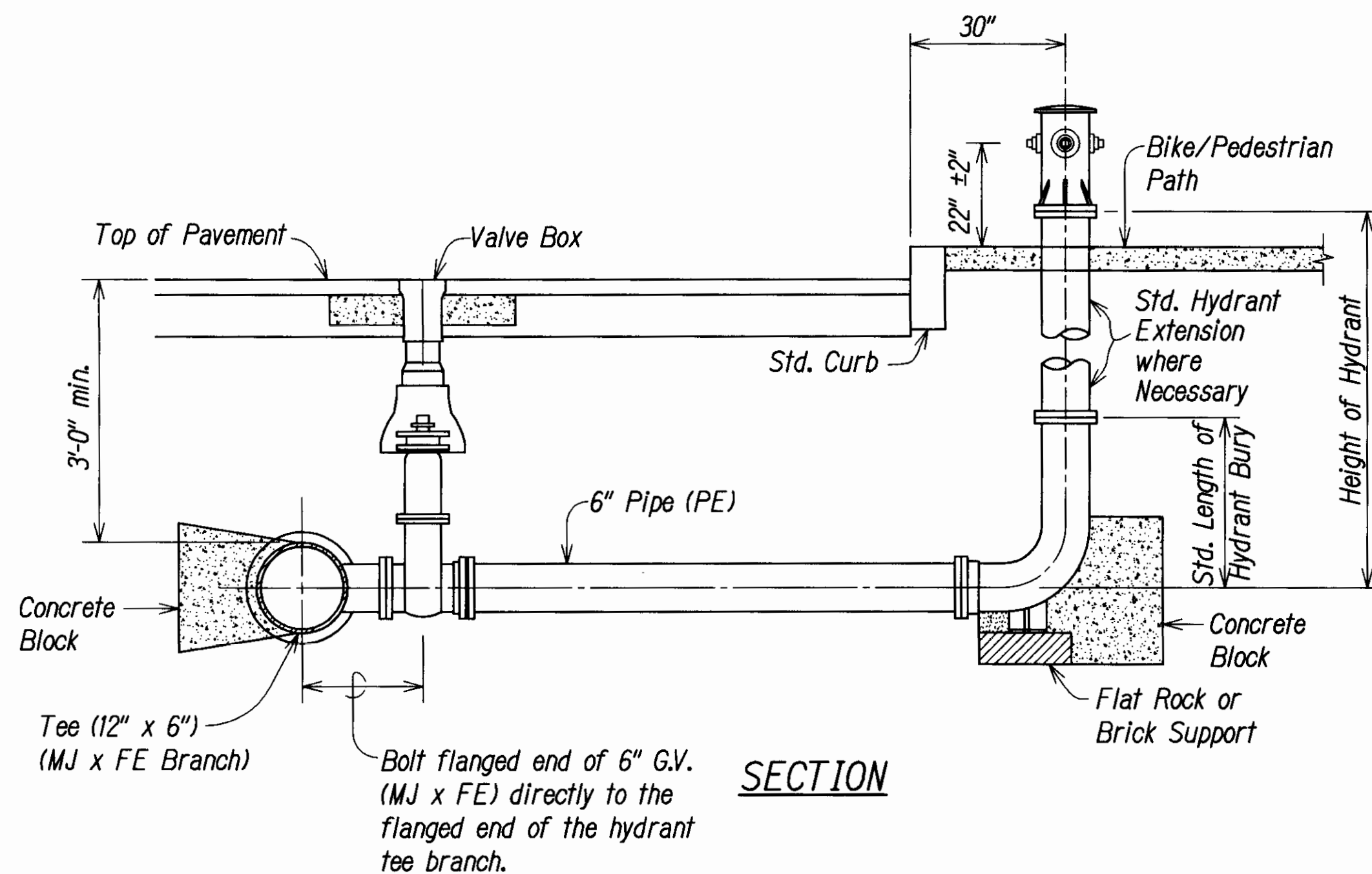
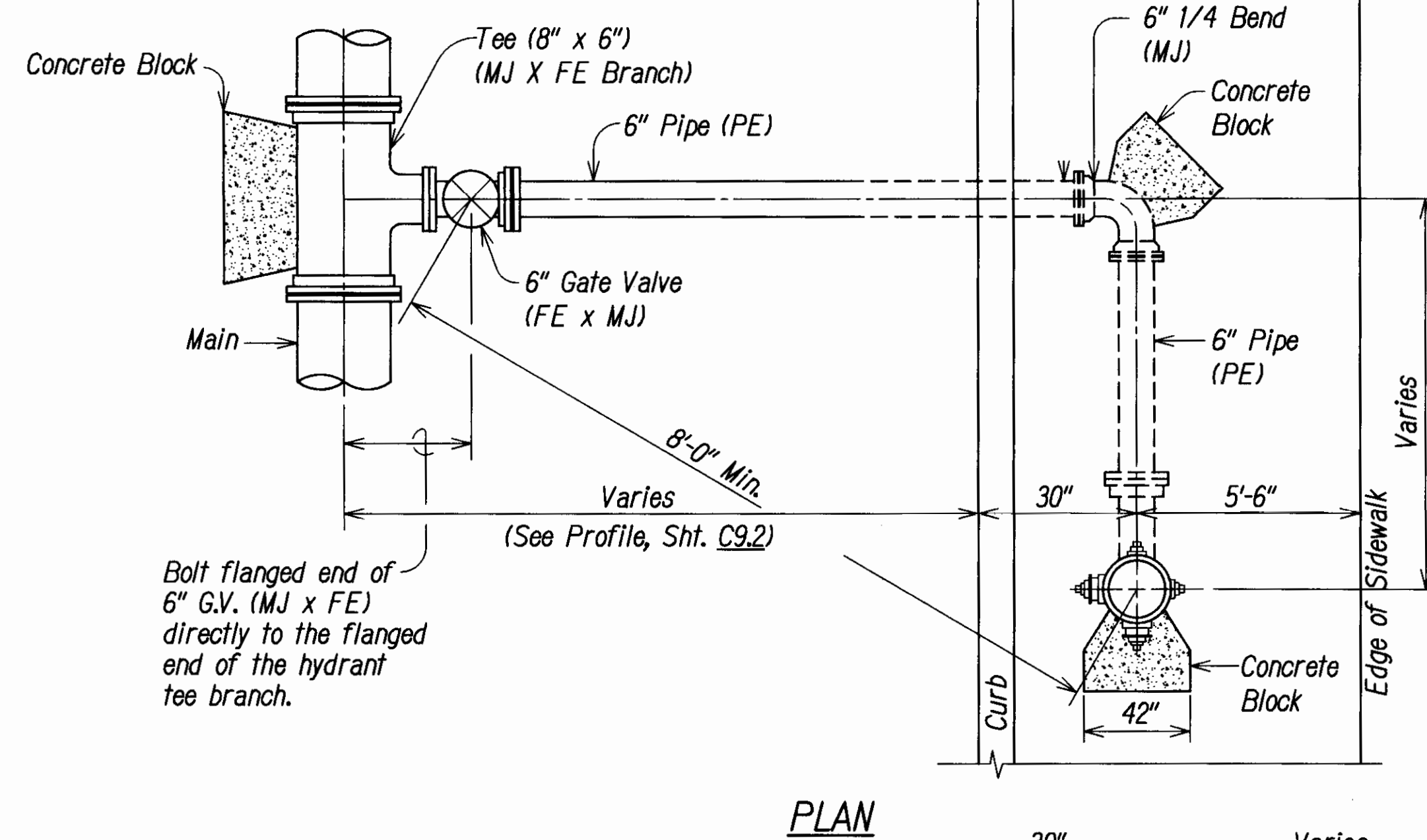
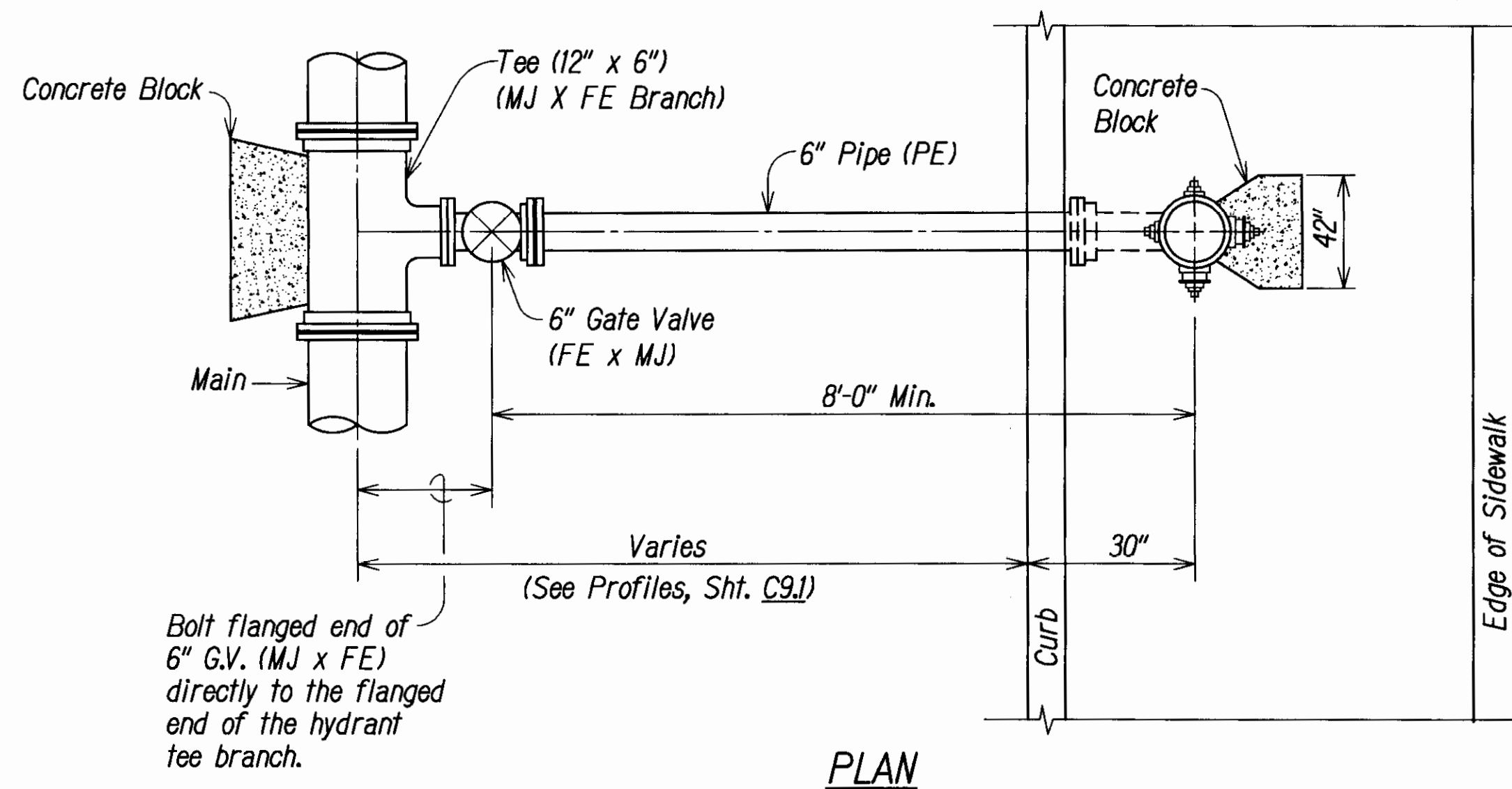
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Russell M. Arai
SIGNATURE
EXPIRATION DATE OF THE LICENSE: 4-30-12

COUNTY OF KAUAI DEPARTMENT OF PUBLIC WORKS				
LYDGATE PARK TO KAPA'A BIKE/ PEDESTRIAN PATH PHASE B KAPA'A, KAUAI, HAWAII				
WATER DETAILS				
FEDERAL-AID PROJECT NO. STP-0700(61) DATE: NOVEMBER 2011				
DRAWN BY: NGA	F.B.	C.B.	SHEET	
TRACED BY: RMA			C9.3	
CHECKED BY:			OF SHEETS	

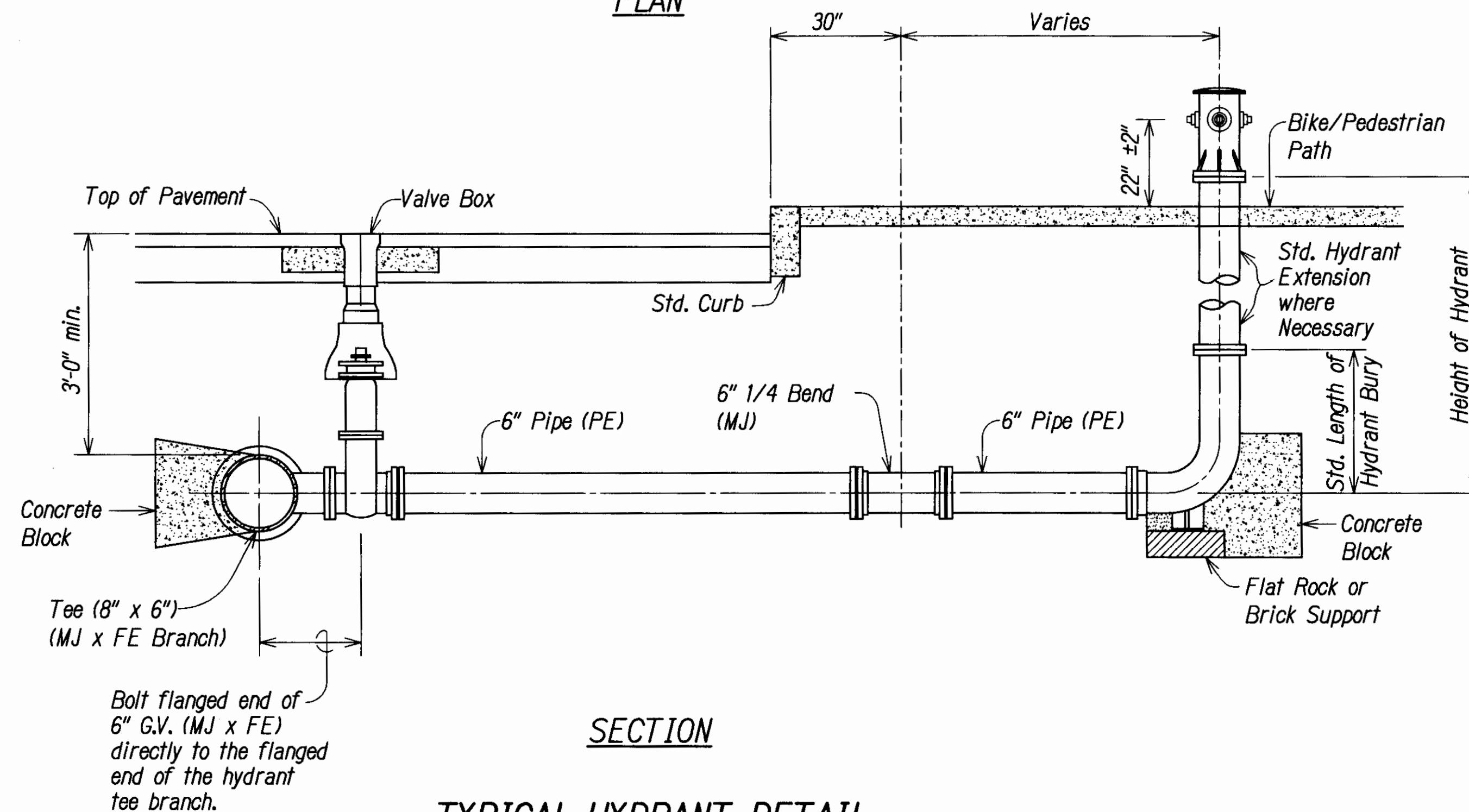
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(61)	2011	68	143



TYPICAL HYDRANT DETAIL
TYPE "A" INSTALLATION
Not to Scale

1
C9.1 C9.4



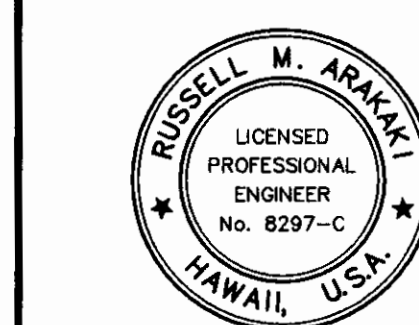
TYPICAL HYDRANT DETAIL
TYPE "B" INSTALLATION
Not to Scale

1
C7.3, C7.4 C7.8

APPROVED:

MANAGER AND CHIEF ENGINEER
DEPT. OF WATER, COUNTY OF KAUAI

12/21/11
DATE



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

SIGNATURE
EXPIRATION DATE OF THE LICENSE

COUNTY OF KAUAI DEPARTMENT OF PUBLIC WORKS				
LYDGATE PARK TO KAPA'A BIKE/ PEDESTRIAN PATH PHASE B KAPA'A, KAUAI, HAWAII				
WATER DETAILS				
FEDERAL-AID PROJECT NO. STP-0700(61) DATE: NOVEMBER 2011				
DRAWN BY:	TSW	F.B.	C.B.	SHEET
TRACED BY:	RMA			C9.4
CHECKED BY:				OF SHEETS

"AS-BUILT"