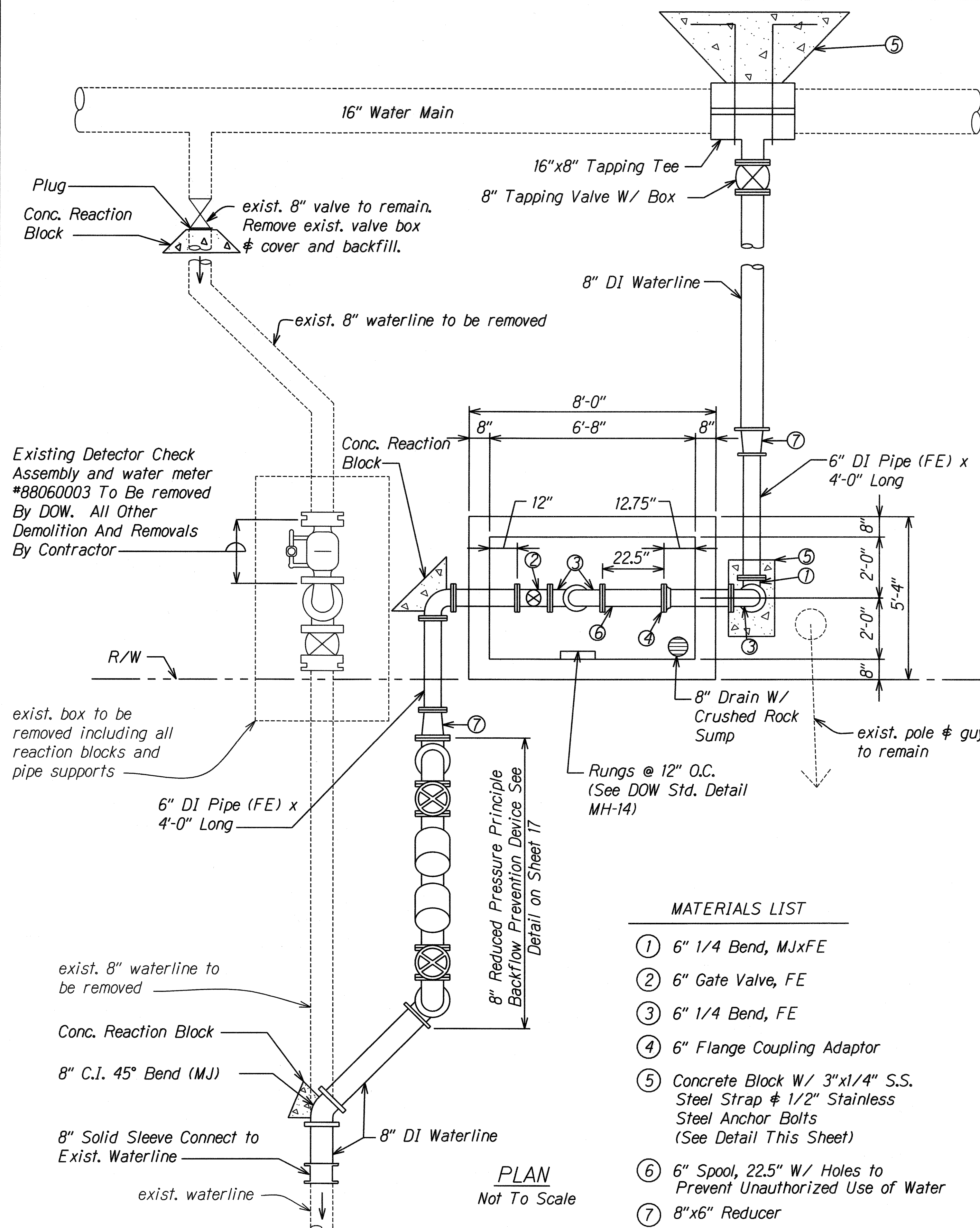


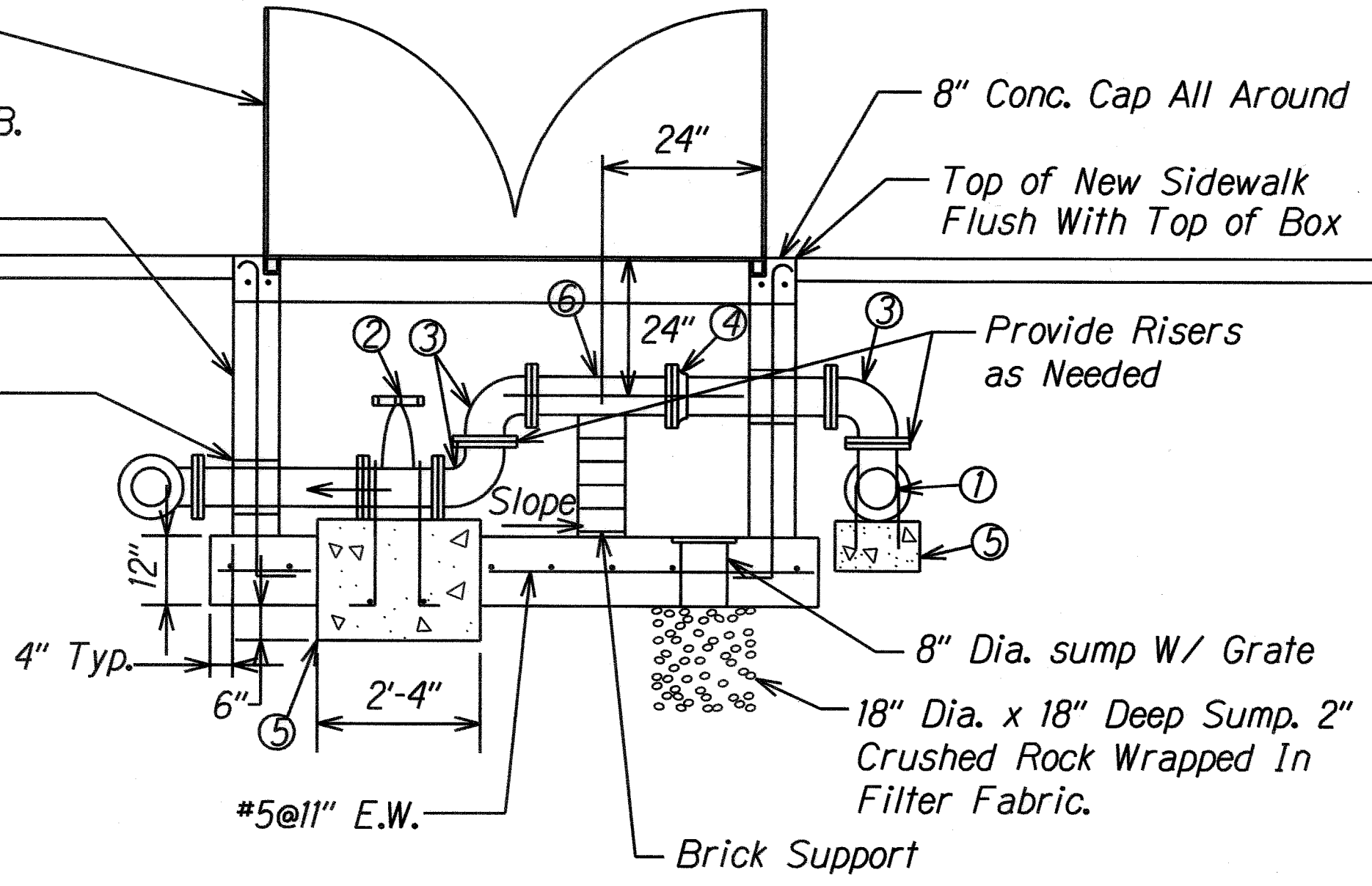
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-02-05	2009	15	39



Access Door
See Detail, Sheet 16

Class "B" Conc. or 8"x8"x16" H.C.B.
w/*4 Bars 16" O.C. Std. Hooks
Grout All H.C.B. W/ 1:3 Mortar.

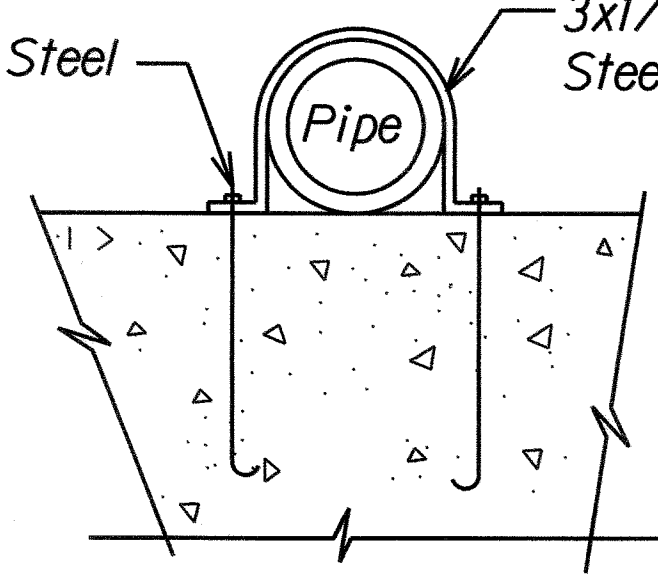
2" Asphalt Filler Around
Pipe Through Conc. Wall (Typ.)



PROFILE
Not To Scale

1/2" Stainless Steel Anchor Bolt

3x1/4" Stainless Steel Strap



ANCHOR BOLT DETAIL
Not To Scale

- NOTES:
- Contractor to verify existing water lines.
 - The existing detector check lateral shall not be removed from service until the new detector check lateral is fully constructed and ready to be placed into service.
 - Contractor shall connect the existing consumer piping (fireline) to the new detector check lateral. The Department of Water will transfer the existing detector check meter from the existing meter vault to the new meter vault only.
 - Existing detector check lateral shall be cut & plugged at the main. Remove existing detector check pipe, fittings and meter vault. Backfill to match finished or new grades.
 - All work shown on this sheet shall be paid for under Item 624.1000 - WATER SYSTEM.

MATERIALS LIST

- 6" 1/4 Bend, MJxFE
- 6" Gate Valve, FE
- 6" 1/4 Bend, FE
- 6" Flange Coupling Adaptor
- Concrete Block W/ 3"x1/4" S.S. Steel Strap & 1/2" Stainless Steel Anchor Bolts (See Detail This Sheet)
- 6" Spool, 22.5" W/ Holes to Prevent Unauthorized Use of Water
- 8"x6" Reducer

PLAN
Not To Scale

APPROVED:

James E. Turturici
for Manager & Chief Engineer,
Dept. of Water, County of Kaua'i

4/17/09
Date

DESIGNED BY	DATE
TRACED BY	
NOTES	
CHECKED BY	
DATE	

JAMES E. TURTURICI
LICENSED PROFESSIONAL ENGINEER
No. 8189-C
HAWAII, U.S.A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WATER SERVICE RELOCATION PLAN

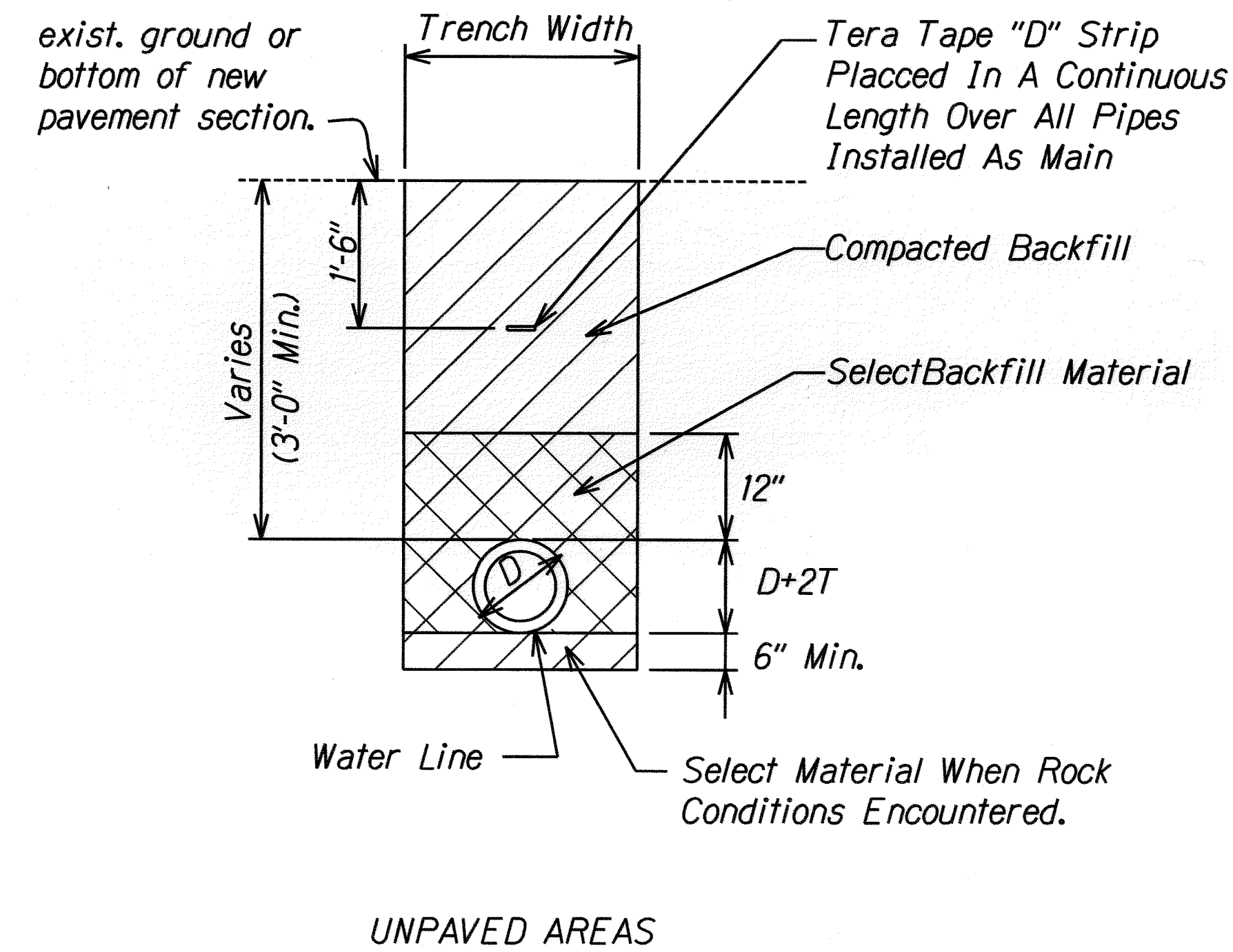
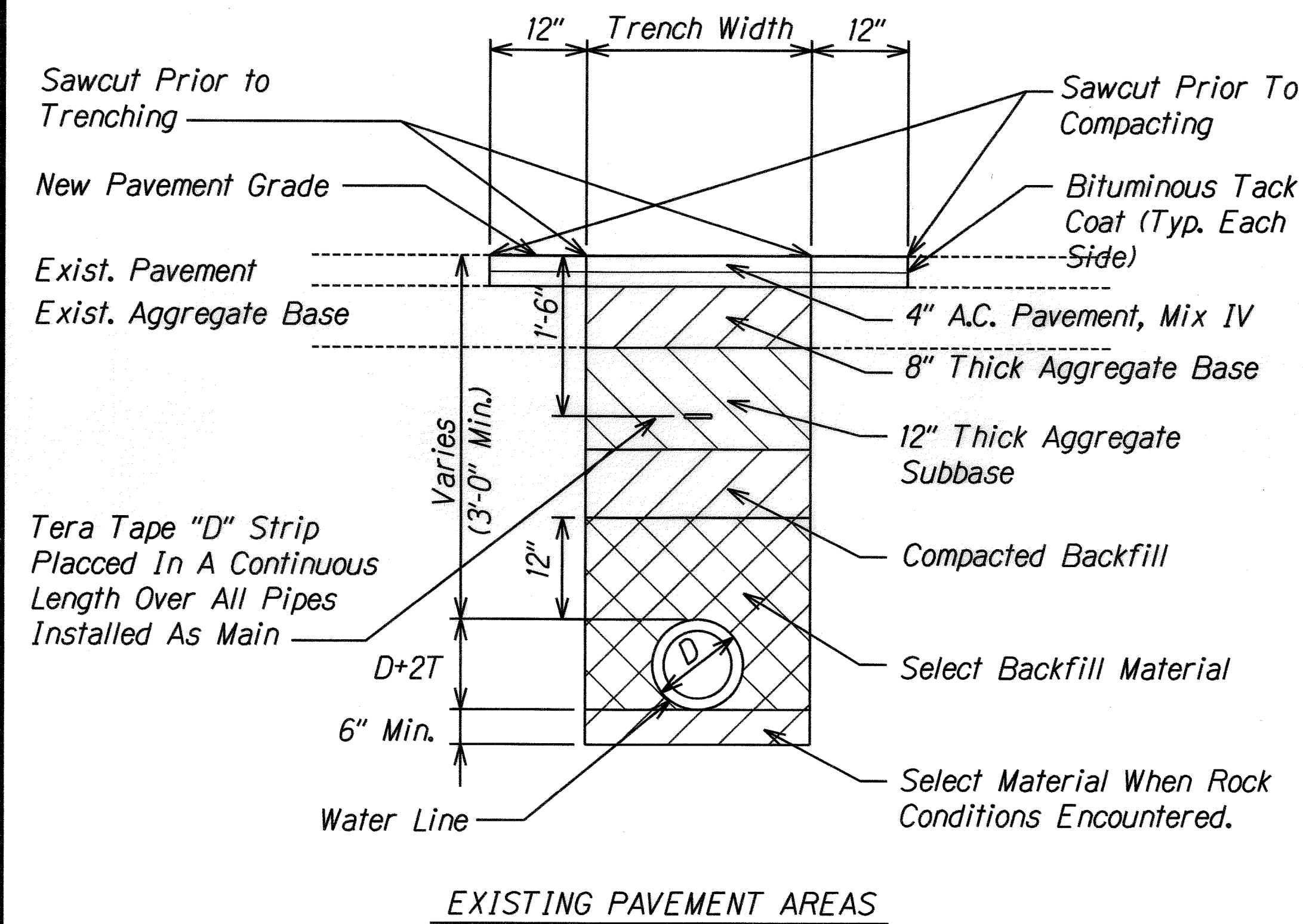
Kuhio Highway Intersection Improvements

Eha Street

Project No. 56A-02-05

Date: April 2009

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56A-02-05	2009	17	39

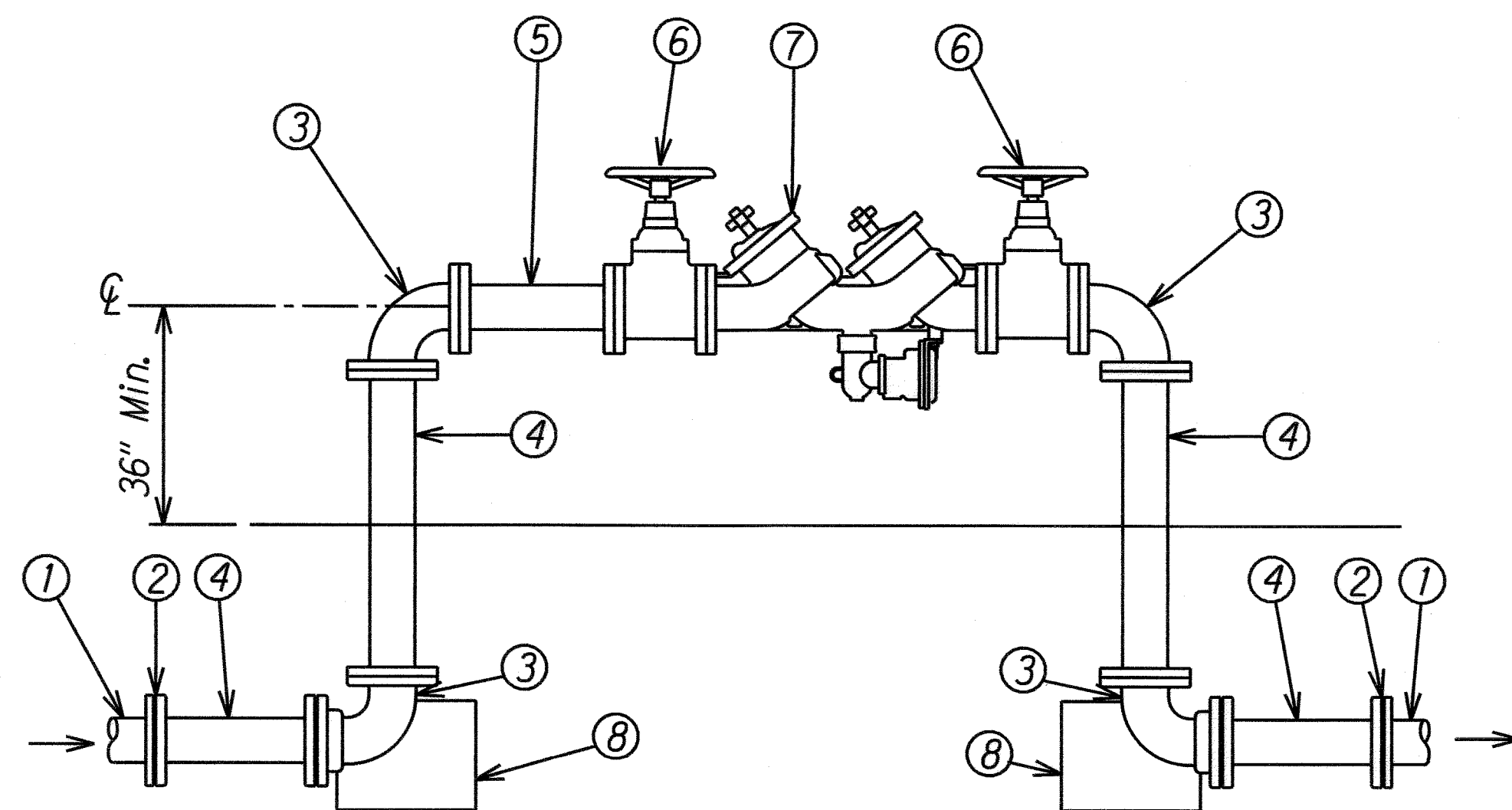


TRENCH NOTES

1. Subbase under curb & gutter shall match existing thickness and quality.
2. Pavement structure shall be equal or better than existing in thickness and quality.
3. The pipe cushion shall extend 12 inches (per DOW standard) above the pipe or to two (2) feet above the water table, whichever results in a greater thickness.
4. When groundwater is encountered in trenches, backfill with gravel conforming to ASTM C-33, size 67, encapsulated with permeable separator.

WATER LINE TERNCH DETAILS

Not To Scale



MATERIALS LIST

- ① New 8" Waterline
- ② Adapters and Bushings as necessary
- ③ 8" C.I. 1/4 Bend (F.E.)
- ④ 8" D.I. Nipple (F.E.)
- ⑤ 8" D.I. Nipple (F.E.) As Needed.
- ⑥ 8" Gate Valve (F.E.)
- ⑦ 8" Reduced Pressure Backflow Prevention Device
- ⑧ Concrete Reaction Block

8" REDUCED PRESSURE BACKFLOW PREVENTION DEVICE DETAIL

Not To Scale

APPROVED:

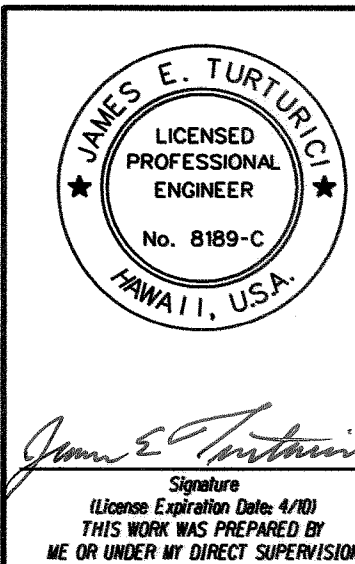
For *Bruce J. Jones*
Manager & Chief Engineer,
Dept. of Water, County of Kaua'i

4/17/09
Date

NOTE:

All work shown on this sheet shall be paid for under Item 624.1000 - WATER SYSTEM.

DESIGNED BY	DATE
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
WATER SERVICE RELOCATION DETAILS
Kuhio Highway Intersection Improvements
Eha Street
Project No. 56A-02-05

Date: April 2009
SHEET No. 2 OF 2 SHEETS