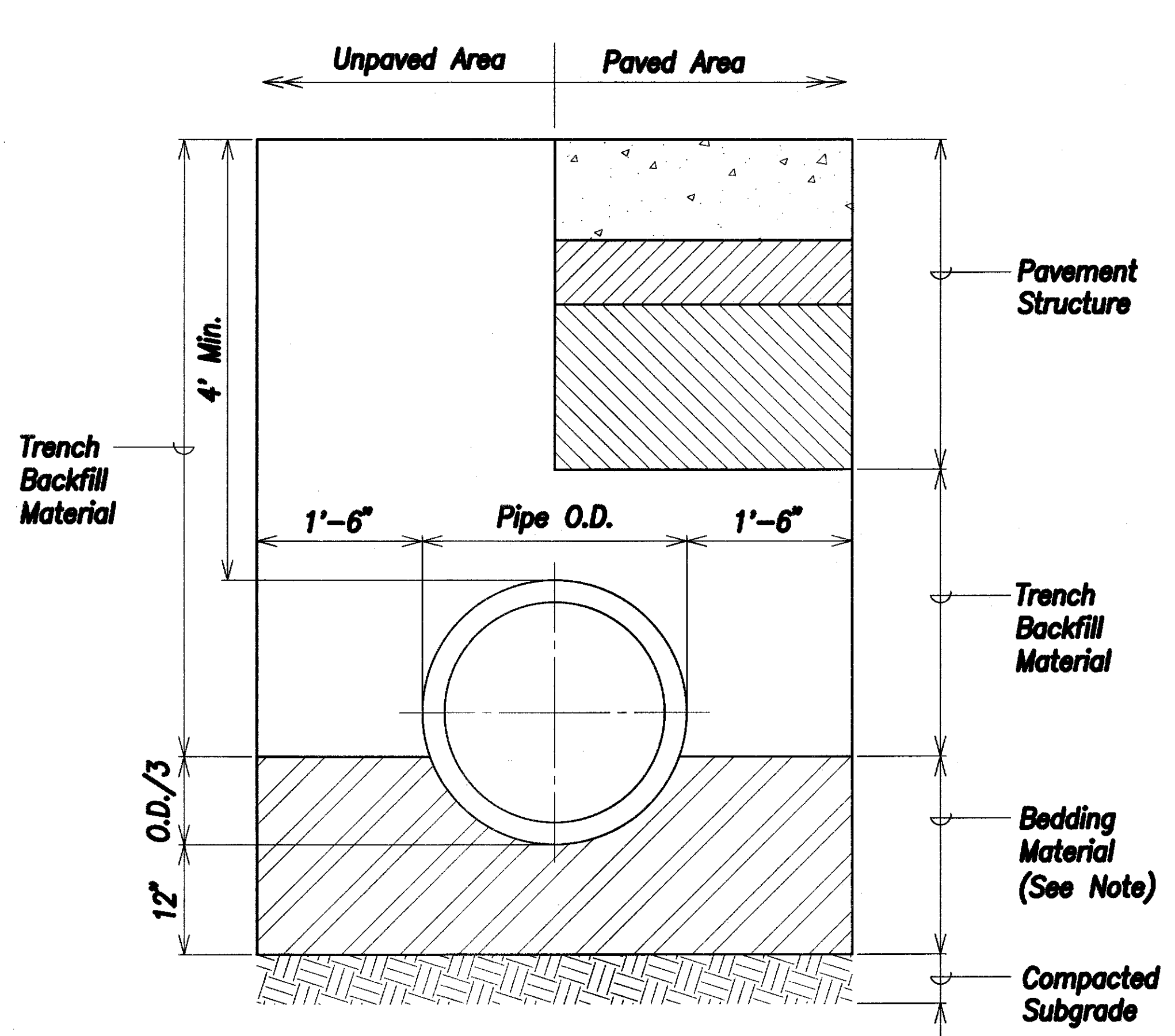
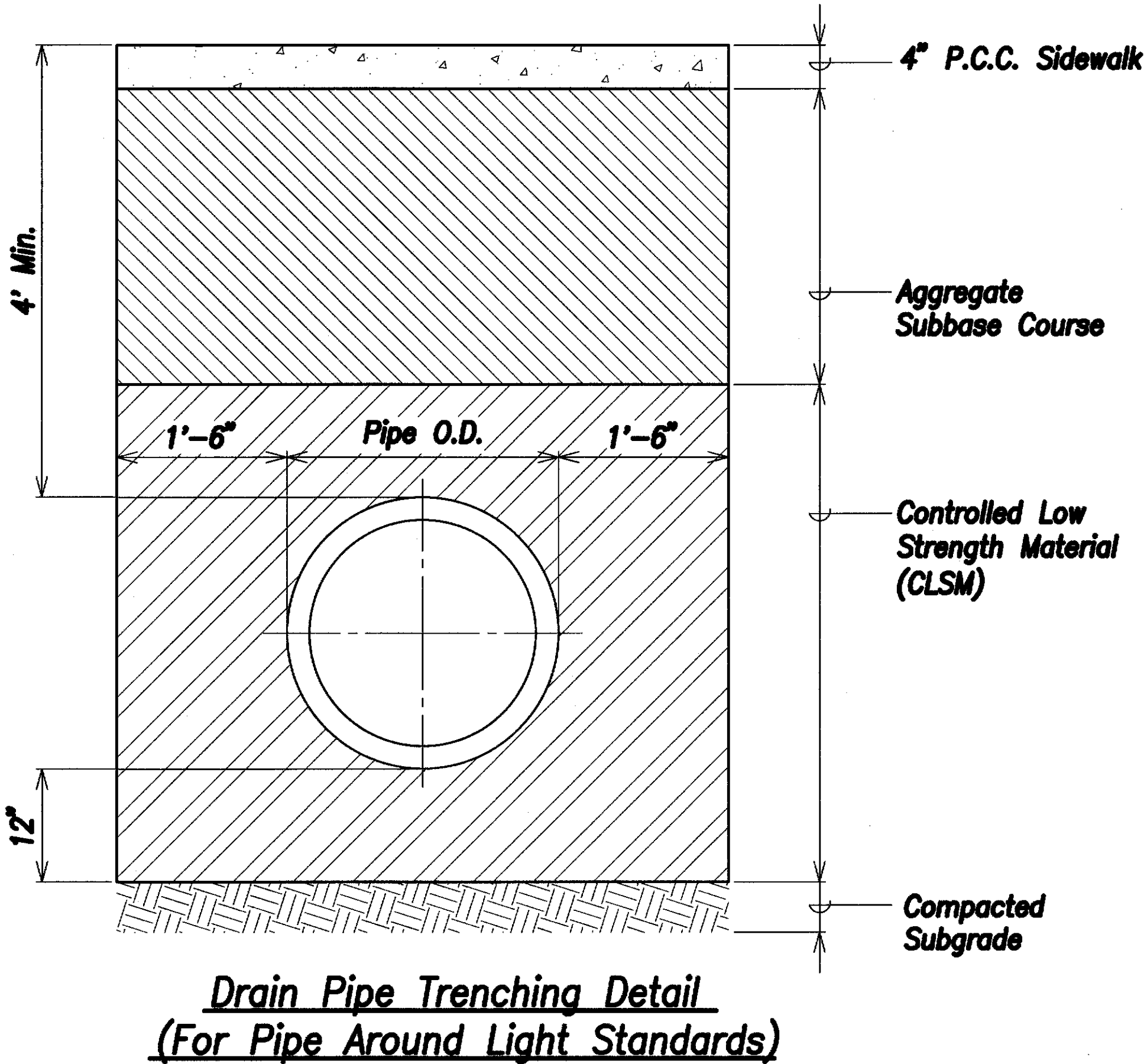


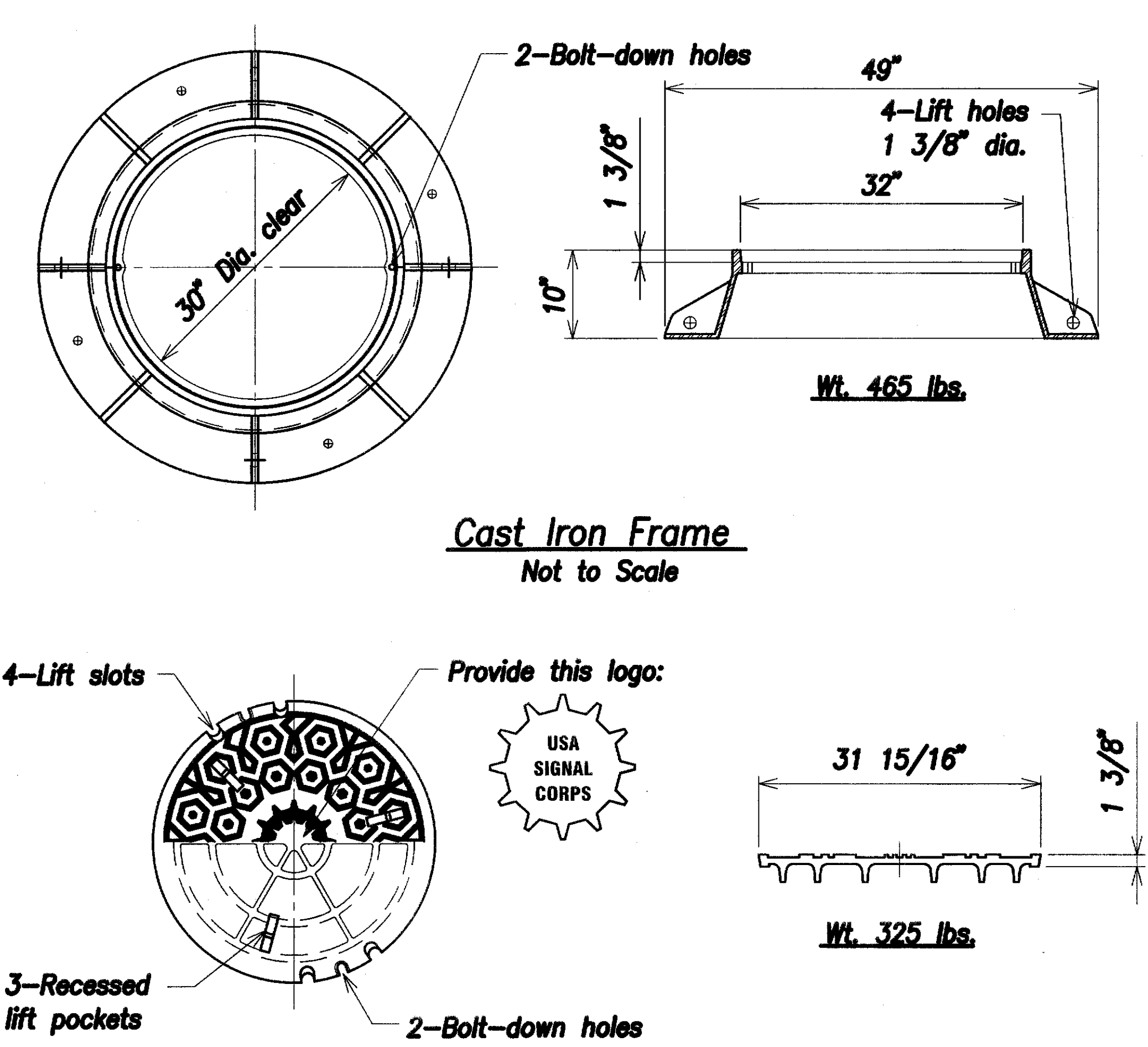
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(1)	2005	C.O. 24	144



Drain Pipe Trenching Detail
Not to Scale



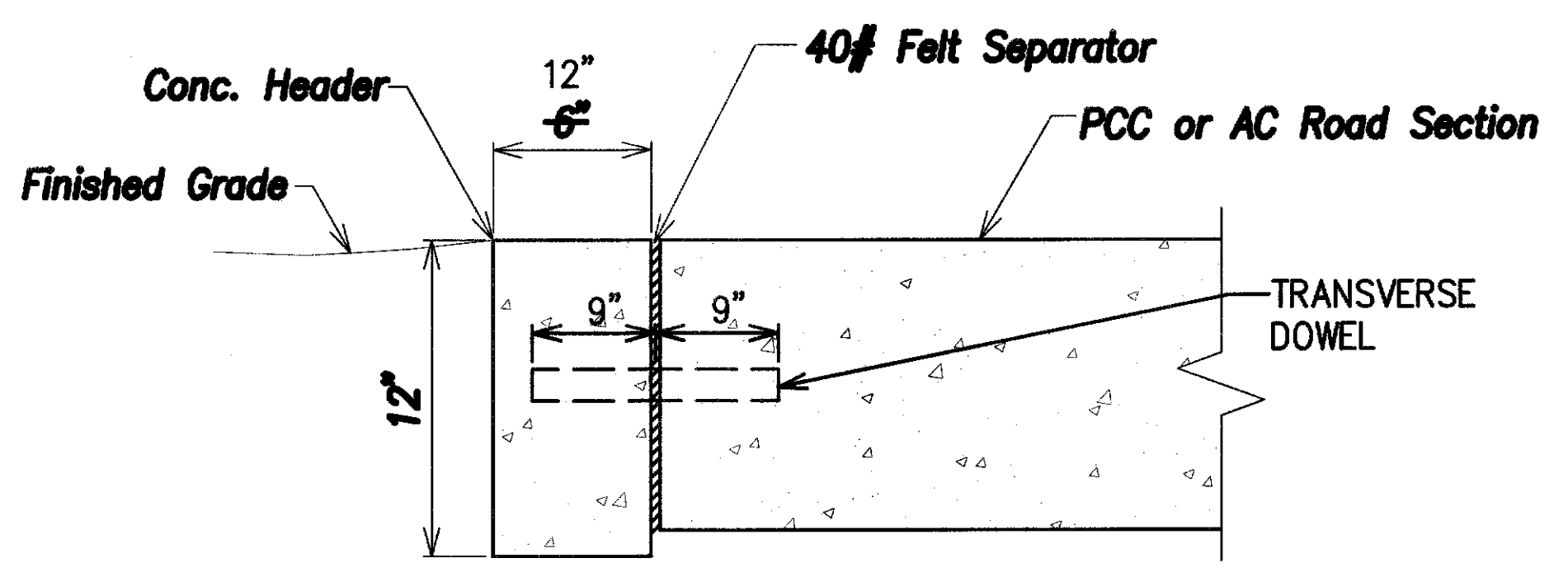
Drain Pipe Trenching Detail
(For Pipe Around Light Standards)
Not to Scale



Cast Iron Frame
Not to Scale

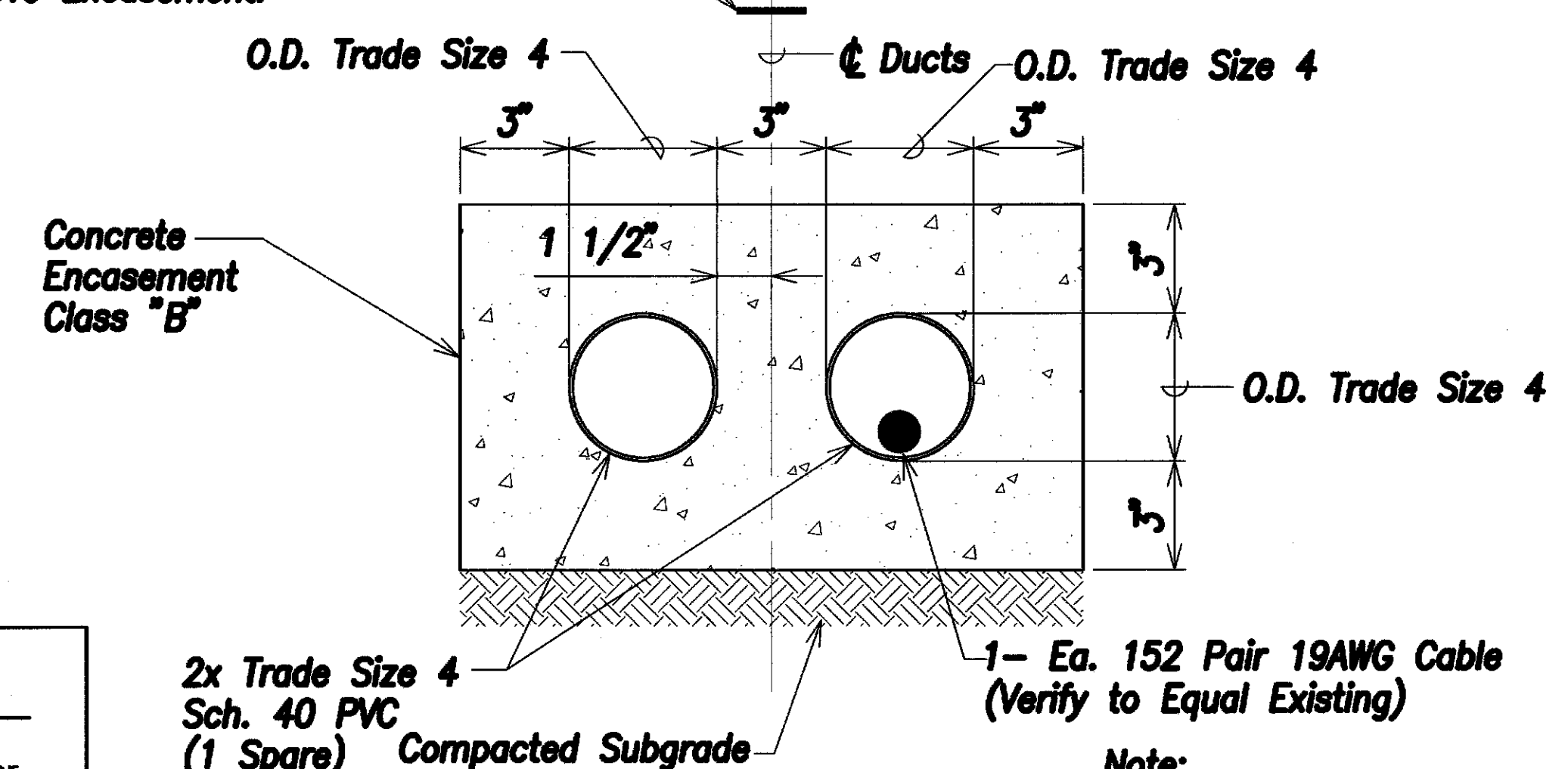
Note:
Provide security bolts with sockets.

Intercept Type Communications Manhole
Frame And Cover Details
Not to Scale



12" x 6" Concrete Header Detail
Not to Scale

Buried Orange "CAUTION" Warning Tape ("CAUTION - COMMUNICATION LINE BURIED BELOW") Installed 12" Below Finish Grade, Centered Above Encasement.



Typical Section
Concrete Encased Duct
Not to Scale

Note:
For Trench and Backfill Balance of Details and Requirements, See Det. A, Sht. E2.1

LEGEND FOR AS-BUILT POSTINGS

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

DESIGNED BY	DATE
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

April 30, 2008

EXPIRATION DATE OF THE LICENSE

11/10/06	Added Details
DATE	REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRENCHING & MISCELLANEOUS DETAILS**

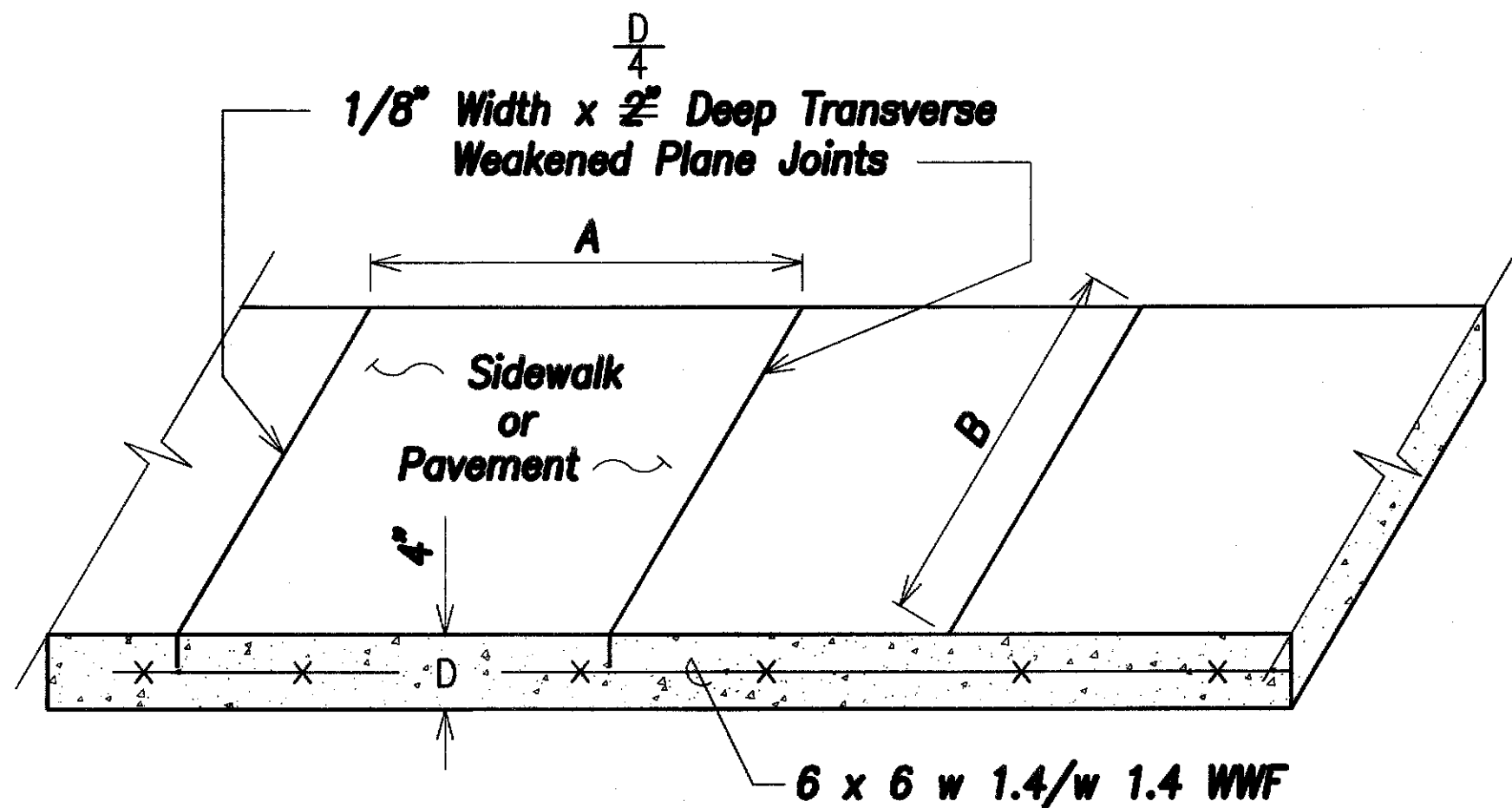
North-South Road  
Phase 1A  
F.A.I. Proj. No. STP-8930(1)

Not to Scale

Dec 22, 2004

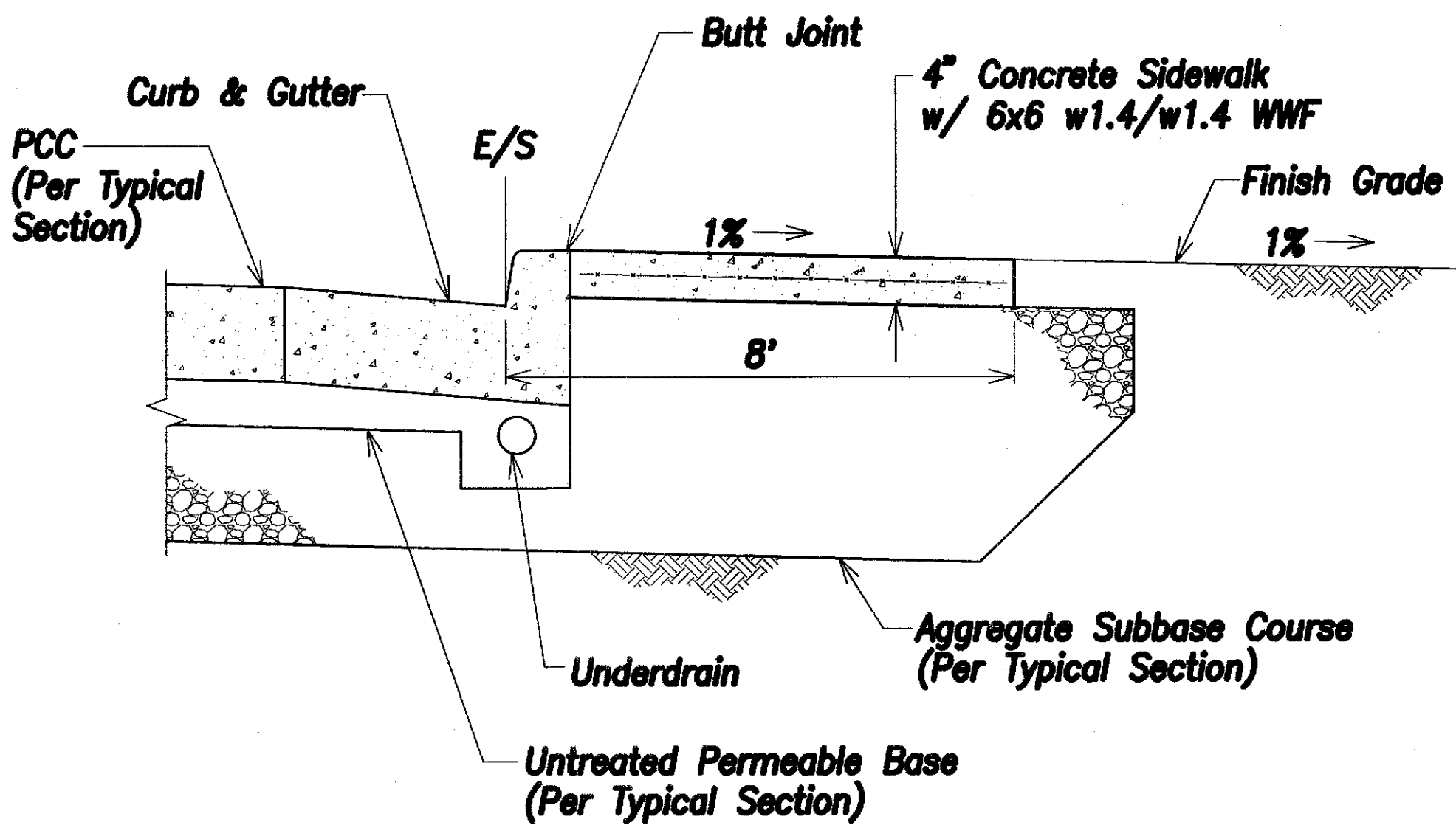
SHEET No. C3.1 OF SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(1)	2005	25	144



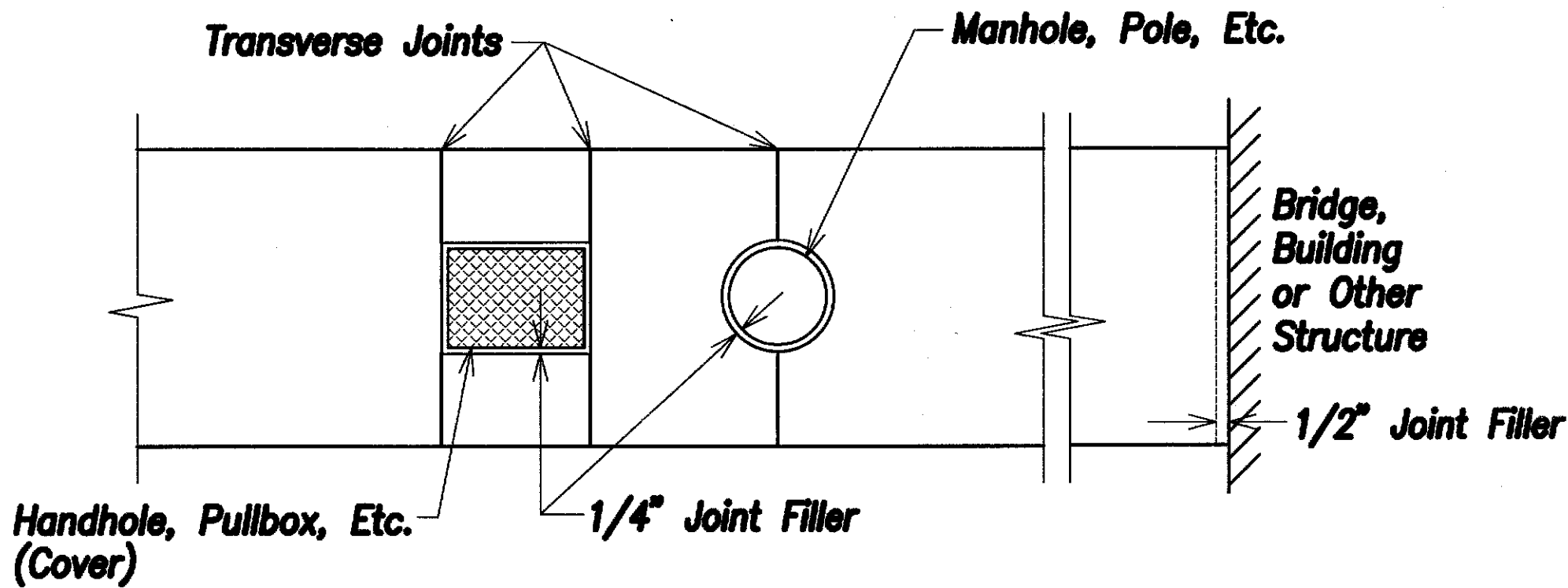
- Notes:**
1. Joint Dimension Ratios ( $B/A$  or  $A/B$ )  $< 1.25$  and ( $A$  or  $B$ ) not to exceed 7'-5".
  2. Longitudinal weakened plane joints similar to transverse weakened plane joints.

**Typical Sidewalk Detail**  
Not To Scale

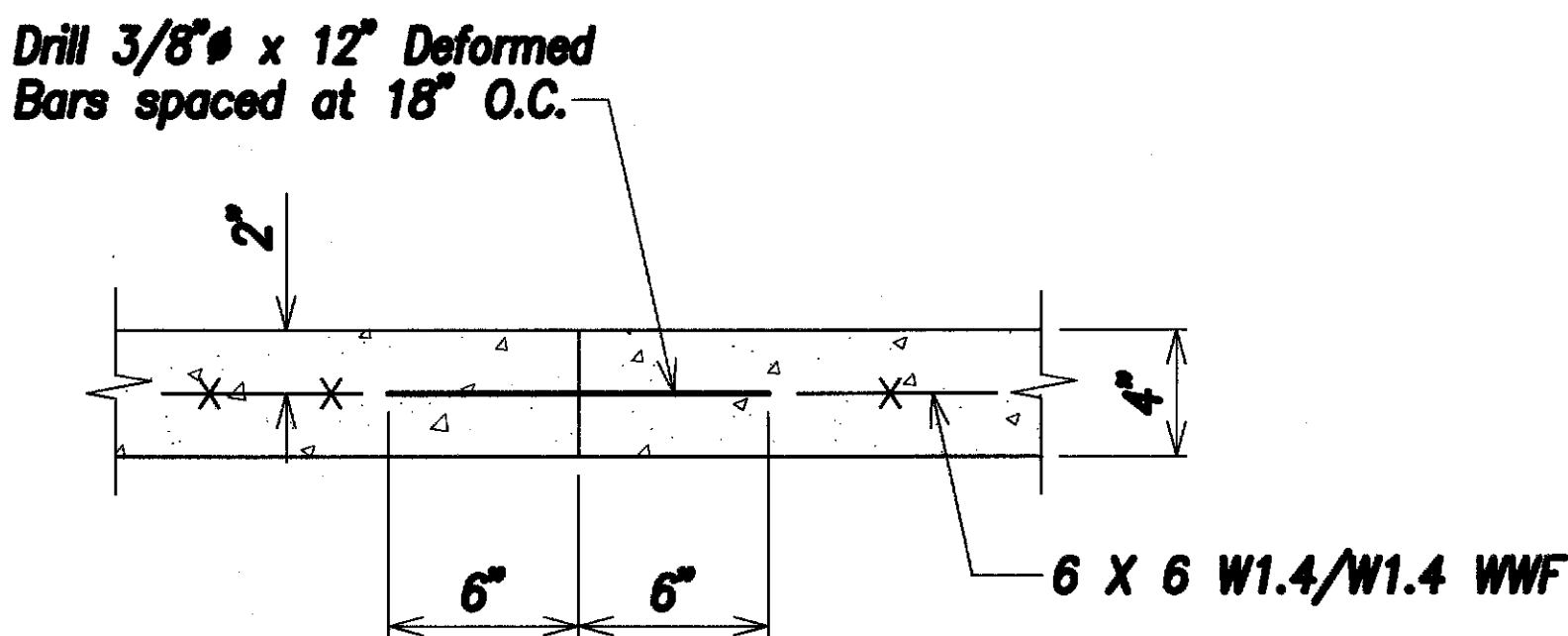


- Notes:**
1. Transverse and longitudinal weakened plane joints for sidewalk shall be considered incidental to the new sidewalk.
  2. Installation of tie bars including drilling, and epoxy grout shall be incidental to Sidewalk.

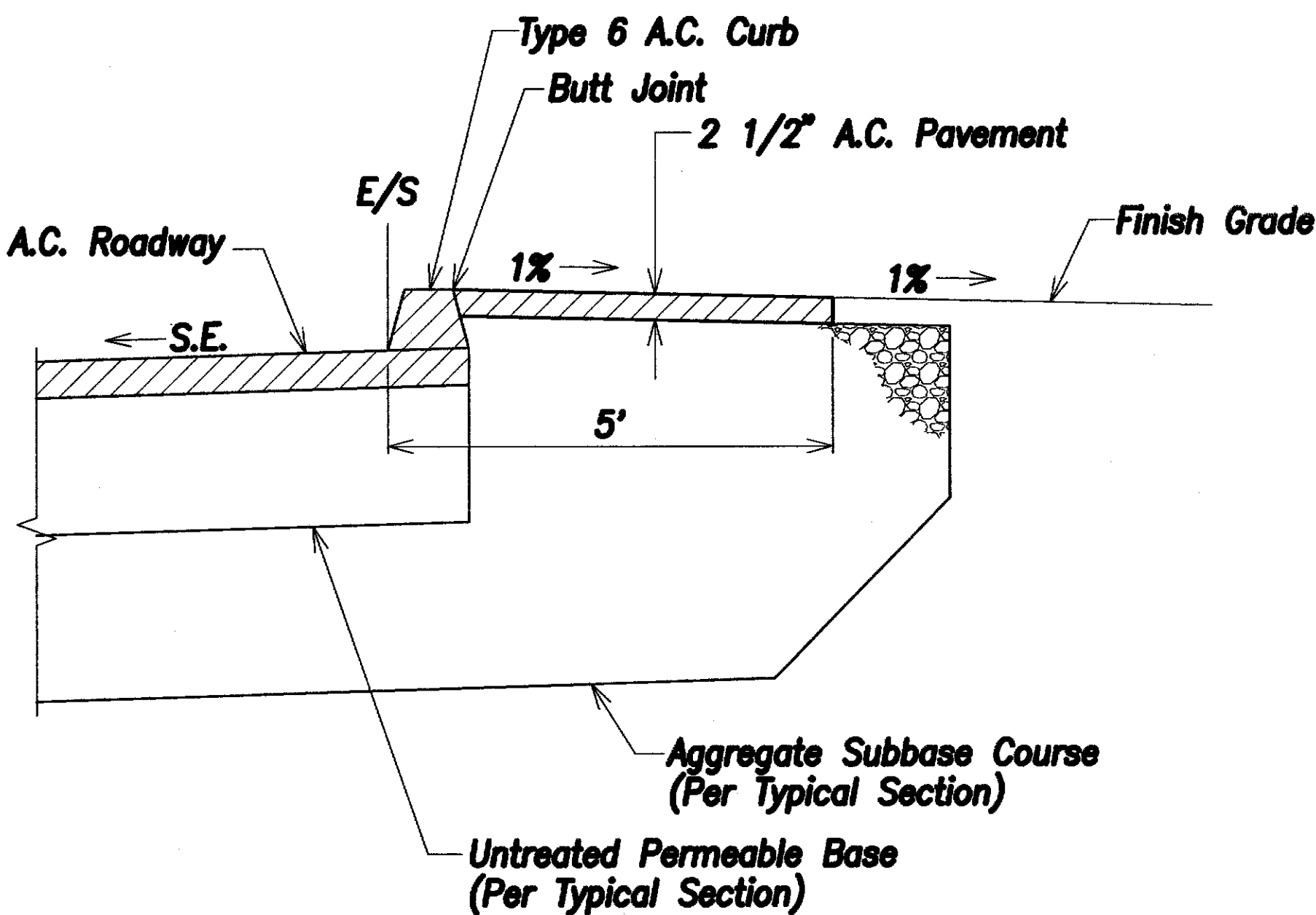
**Typical Sidewalk Section Detail**  
Not To Scale



**Sidewalk Isolation Joint Detail**  
Not To Scale

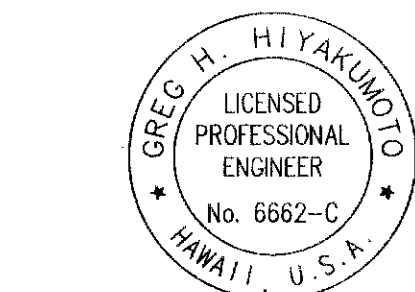


**Transverse Construction Joint Detail**  
Scale: 1" = 1/2'-0"



**A.C. Sidewalk Detail**  
Not To Scale

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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: EXPIRATION DATE OF THE LICENSE: April 30, 2008

1/18/05	As Built - RFI 50
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>SIDEWALK DETAILS</b> North-South Road Phase 1A F.A.I. Proj. No. STP-8930(1)	
Scale: As Shown	Date: Dec 22, 2004
SHEET No. C3.2 OF SHEETS	