

STANDARD DETAILS

Service Line Trench Detail

Main Line Trench Detail

Street Blow-off Assembly

Blow-off Assembly

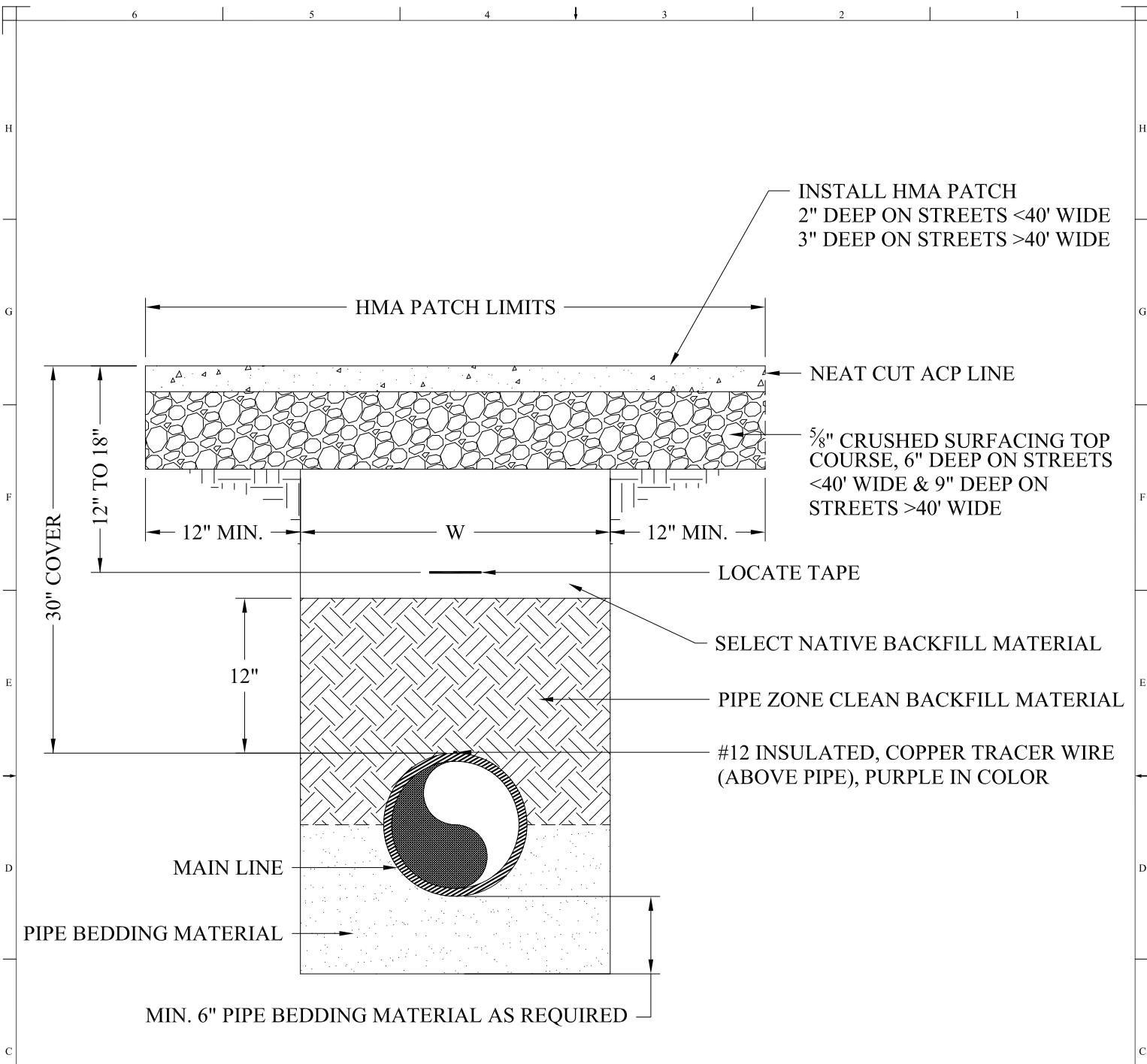
2" Combination Air & Vacuum Valve Assembly

1-1/4" Irrigation Service Detail

2" Irrigation Service Separated Sidewalk Detail

System Drain into Manhole

45-Mil EPDM Canal Lining Detail



NOTE:

TRENCH WIDTH "W" SHALL BE 40 INCHES MAX. FOR 15 INCH DIA. AND SMALLER PIPES AND 1-½ TIMES THE INSIDE DIAMETER PLUS 18 INCHES MAX. FOR 18 INCH DIA. AND LARGER PIPES.

MAIN LINE TRENCH DETAIL

NOT TO SCALE

PROJECT KID-STD-DTLS	SHEET 1 OF 1	KENNEWICK IRRIGATION DISTRICT TRENCH DETAIL MAIN LINE	DWG DATE 8/29/07	DATE	APPROVED BY	 KENNEWICK IRRIGATION DISTRICT 12 W. KENNEWICK AVE. KENNEWICK, WASHINGTON 99336 (509) 586-9111 WWW.KID.ORG	DRAWING REVISIONS REV 0 8/29/07
			DWG SCALE NTS	CDS	DESIGN BY		

NOTE: CAST IRON VALVE BOX AND LID SHALL BE BROUGHT AND ADJUSTED TO FINISH GRADE PER CITY STANDARDS

TRACER WIRE

NOTE: MAKE SURE WIRE REACHES TOP OF BOX

FLUSH MODEL BLOW-OFF HYDRANT

24" DIAMETER CATCH BASIN WITH MANHOLE RING AND LID MARKED "IRRIGATION"

ECLIPSE NO. 85 GROUND HYDRANT OR APPROVED EQUAL WITH 3" BODY, 2-1/2" FIRE HOSE NOZZLE, (4) NST PER INCH

5' MIN.

STREET OR FINISH GRADE

30" COVER

CAST IRON VALVE BOX WITH LID. ADJUSTED TO FINISH GRADE PER CITY STANDARDS

6"

MEGALUG

TRACER WIRE

3" D.I. PIPE

MEGALUG

PIPE BEDDING

DRAIN ROCK/CSBC

3" FLG x MJ VALVE

CONCRETE PIER PAD

UNDISTURBED EARTH

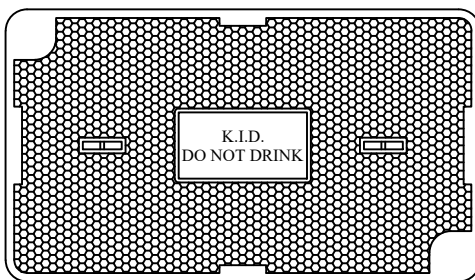
MAIN LINE SIZE x 3" FLG TEE

The diagram is a cross-sectional view of a fire hydrant installation. On the left, a vertical pipe with a 30-inch cover leads down to a cast iron valve box. The valve box is connected to a 3-inch diameter iron pipe that runs horizontally. This pipe is supported by a concrete pier pad and is surrounded by pipe bedding and drain rock/CSBC. A tracer wire runs along the top of the 3-inch pipe. The pipe is connected to a main line via a 3-inch flange x MJ valve and a 3-inch flange x 3-inch flange tee. On the right, the pipe rises to a flush model blow-off hydrant, which is connected to a 24-inch diameter catch basin. The catch basin has a manhole ring and a lid marked "IRRIGATION". A tracer wire also runs from the hydrant up to the top of the valve box. The entire installation is set within a concrete catch basin. The ground surface is labeled "STREET OR FINISH GRADE". A dimension of 5 feet minimum is shown between the valve box and the catch basin. A 6-inch dimension is shown for the depth of the valve box. The ground below the catch basin is labeled "UNDISTURBED EARTH".

UNDISTURBED EARTH

DRAWING REVISIONS

[illegible]



DETAIL 1 - LID
SCALE: NONE

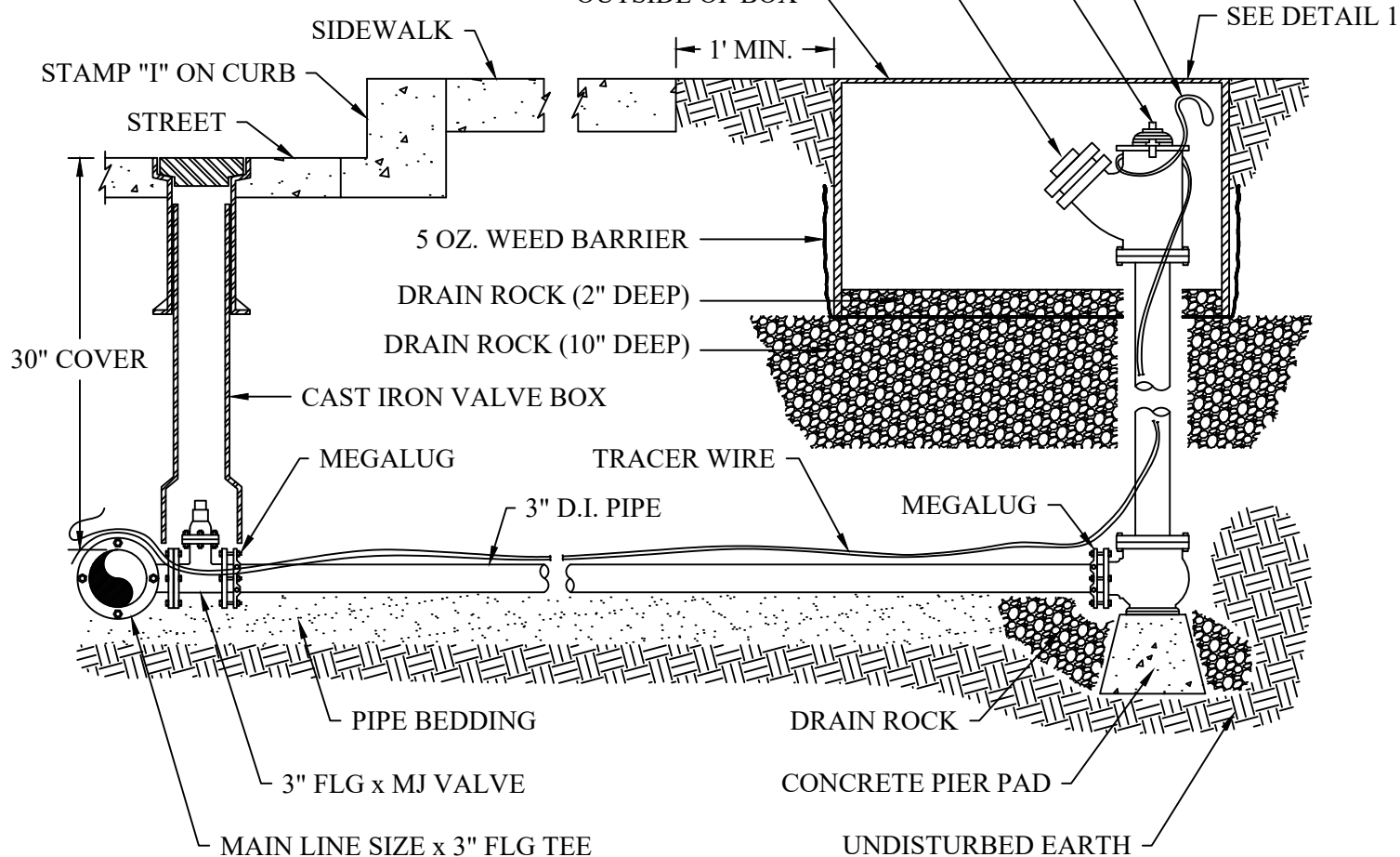
TRACER WIRE
NOTE: MAKE SURE WIRE REACHES TOP OF BOX

FLUSH MODEL BLOW-OFF HYDRANT

2-1/2" FIRE HOSE NOZZLE
(4)NST PER INCH

MS BCF 1730-18XL VALVE BOX & OLDCASTLE FL36 D
LID, FL36D PURPLE IN COLOR AND STAMPED "KID - DO
NOT DRINK"

NOTE: LAY DOWN 5 OZ. WEED BARRIER, SET BOX,
COVER WITH DRAIN ROCK AND WRAP MATERIAL UP
OUTSIDE OF BOX



PROJECT KID-STD-01LS

SHEET 1 OF 1

KENNEWICK IRRIGATION DISTRICT
BLOW-OFF
ASSEMBLY

DWG DATE 9/13/07
DWG SCALE NTS
DESIGN BY CDS
DRAWN BY

DATE

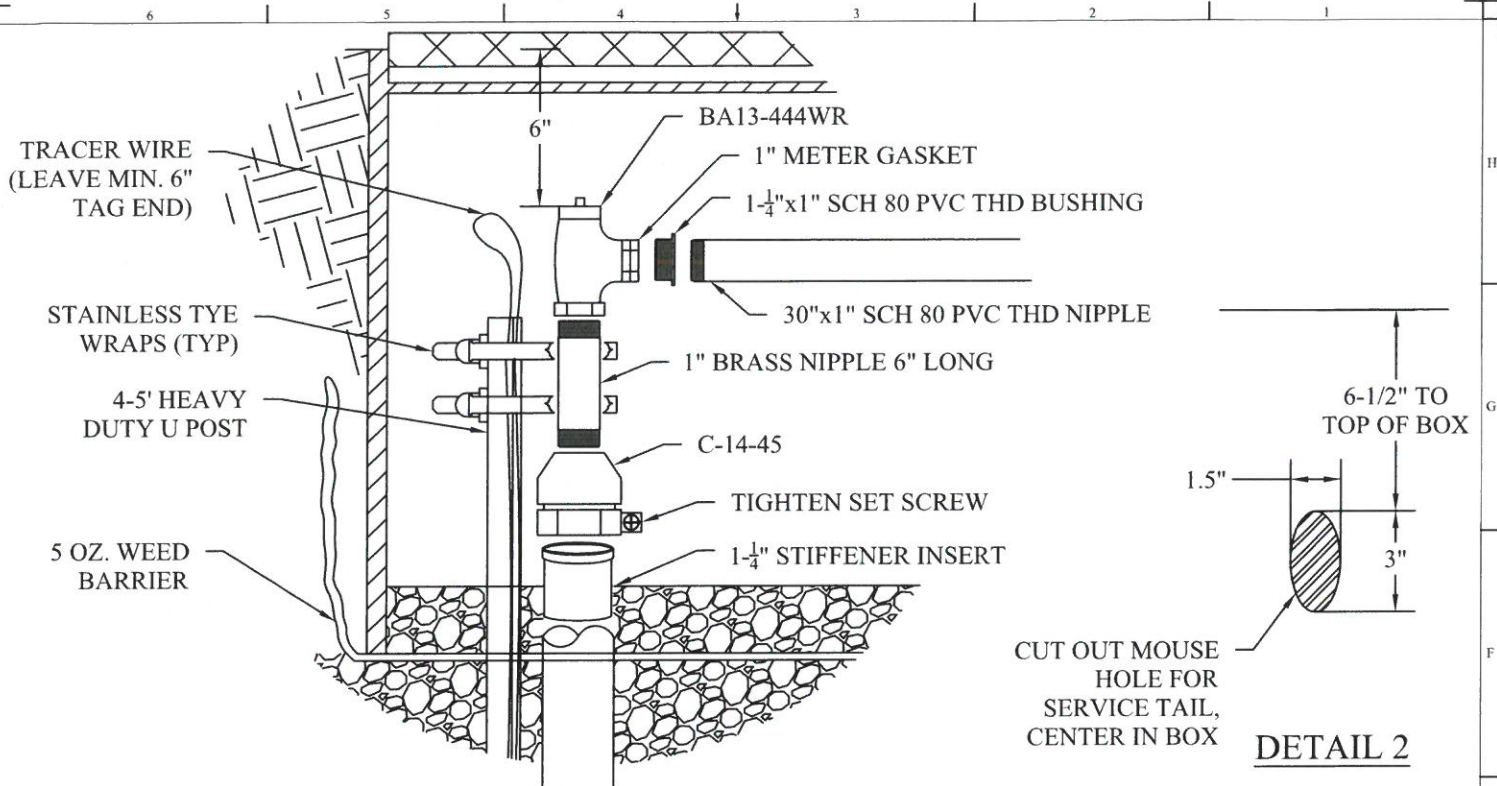
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KENNEWICK IRRIGATION DISTRICT
12 W. KENNEWICK AVE.
KENNEWICK, WASHINGTON 99336
(509) 586-9111
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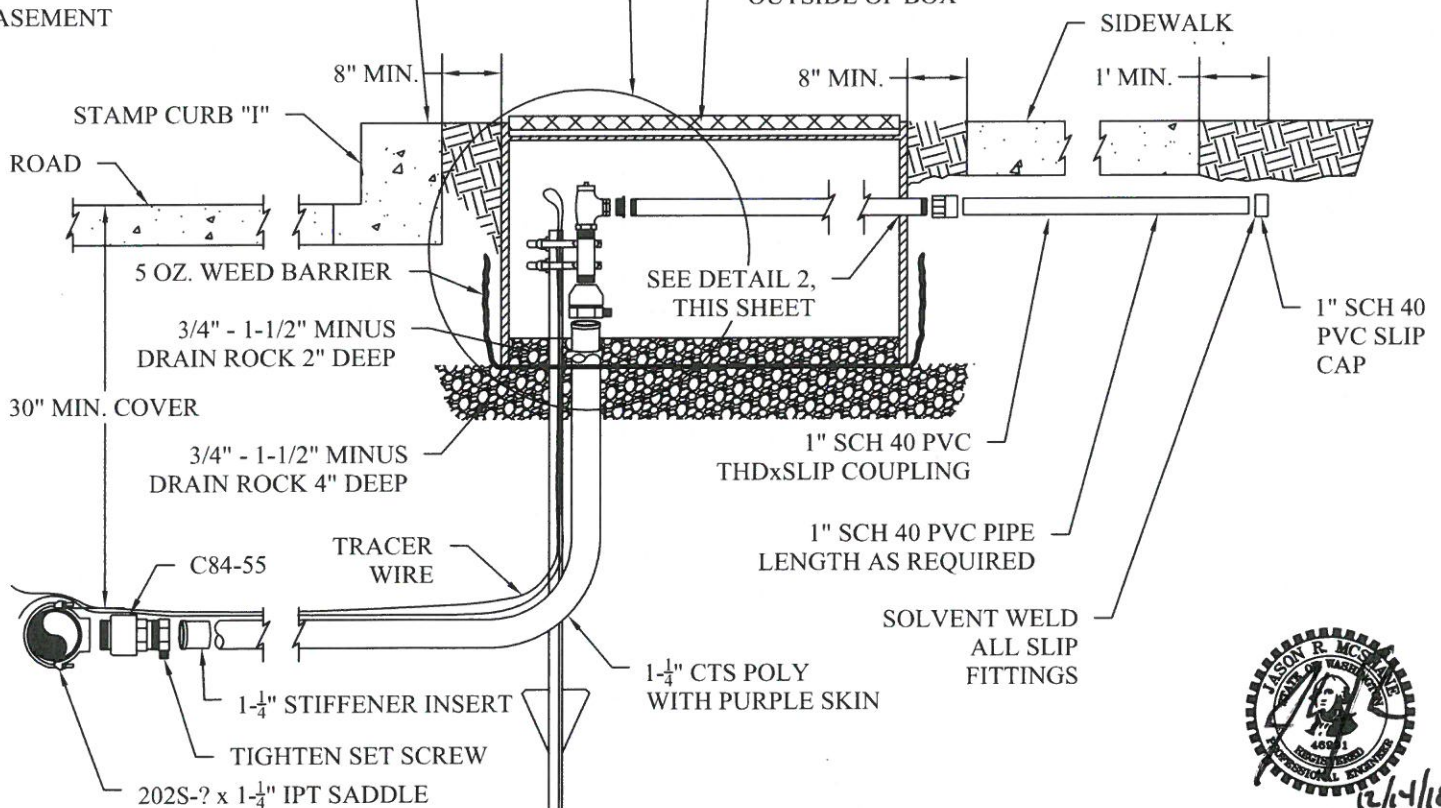
REV 1 3/17/2021



DETAIL 1

SHOWN AS SEPARATED SIDEWALK. IF CURB TIGHT INSTALL 1730-18XL MS VALVE BOX WITH 8" MIN. SEPARATION FROM SIDEWALK, SEPARATION SHALL NOT BE GREATER THAN EASEMENT

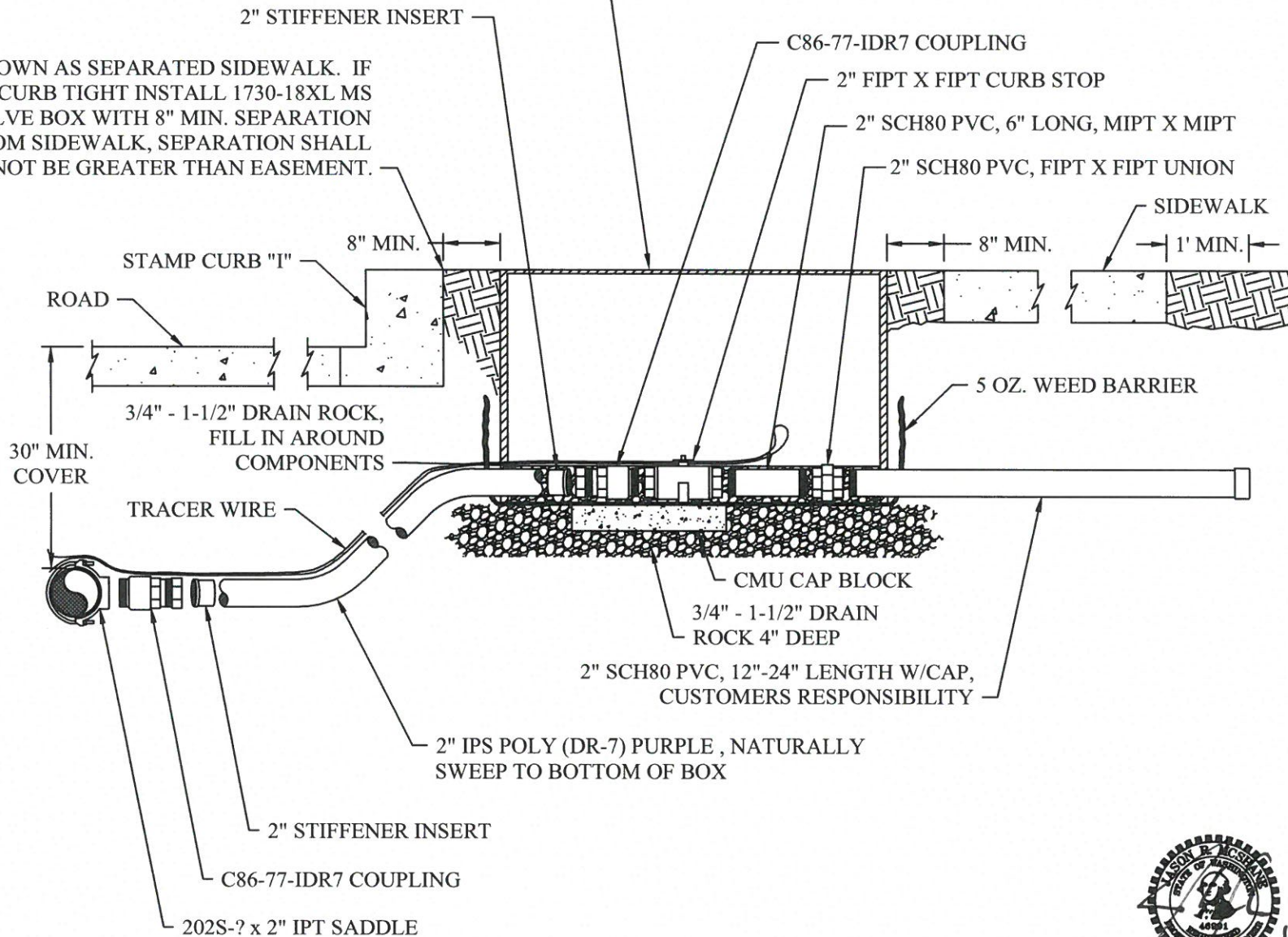
1730-18XL MS VALVE BOX & OLDCASTLE HD1730 LID, PURPLE IN COLOR AND STAMPED "KID - DO NOT DRINK" NOTE: LAY DOWN 5 OZ. WEED BARRIER, SET BOX, COVER WITH DRAIN ROCK, AND WRAP MATERIAL UP OUTSIDE OF BOX



PROJECT KID-STD-DTLS SHEET 1 OF 1	KENNEWICK IRRIGATION DISTRICT 1-1/4" IRR. SERVICE SEPARATED SIDEWALK DETAIL	DWG DATE 3/29/2016 DWG SCALE NTS DESIGN BY CDS DRAWN BY CHECKED BY	DATE APPROVED BY	 KENNEWICK IRRIGATION DISTRICT 2015 S ELY ST KENNEWICK, WASHINGTON 99337 (509) 586-9111 WWW.KID.ORG DRAWING FILEPATH	DRAWING REVISIONS REV 9 12/13/2018
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MS BCF 1730-18XL VALVE BOX & OLDCASTLE HD1730 LID,
PURPLE IN COLOR AND STAMPED "KID - DO NOT DRINK"
NOTE: LAY DOWN 5 OZ. WEED BARRIER, SET BOX, COVER WITH
DRAIN ROCK, AND WRAP MATERIAL UP OUTSIDE OF BOX

SHOWN AS SEPARATED SIDEWALK. IF
CURB TIGHT INSTALL 1730-18XL MS
VALVE BOX WITH 8" MIN. SEPARATION
FROM SIDEWALK, SEPARATION SHALL
NOT BE GREATER THAN EASEMENT.



DRAWING REVISIONS	
REV 4	2/7/2019

KENNEWICK IRRIGATION DISTRICT
2015 S ELY ST
KENNEWICK, WASHINGTON 98337
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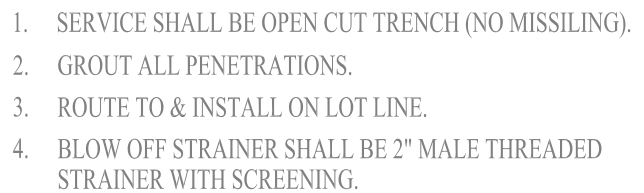
DATE

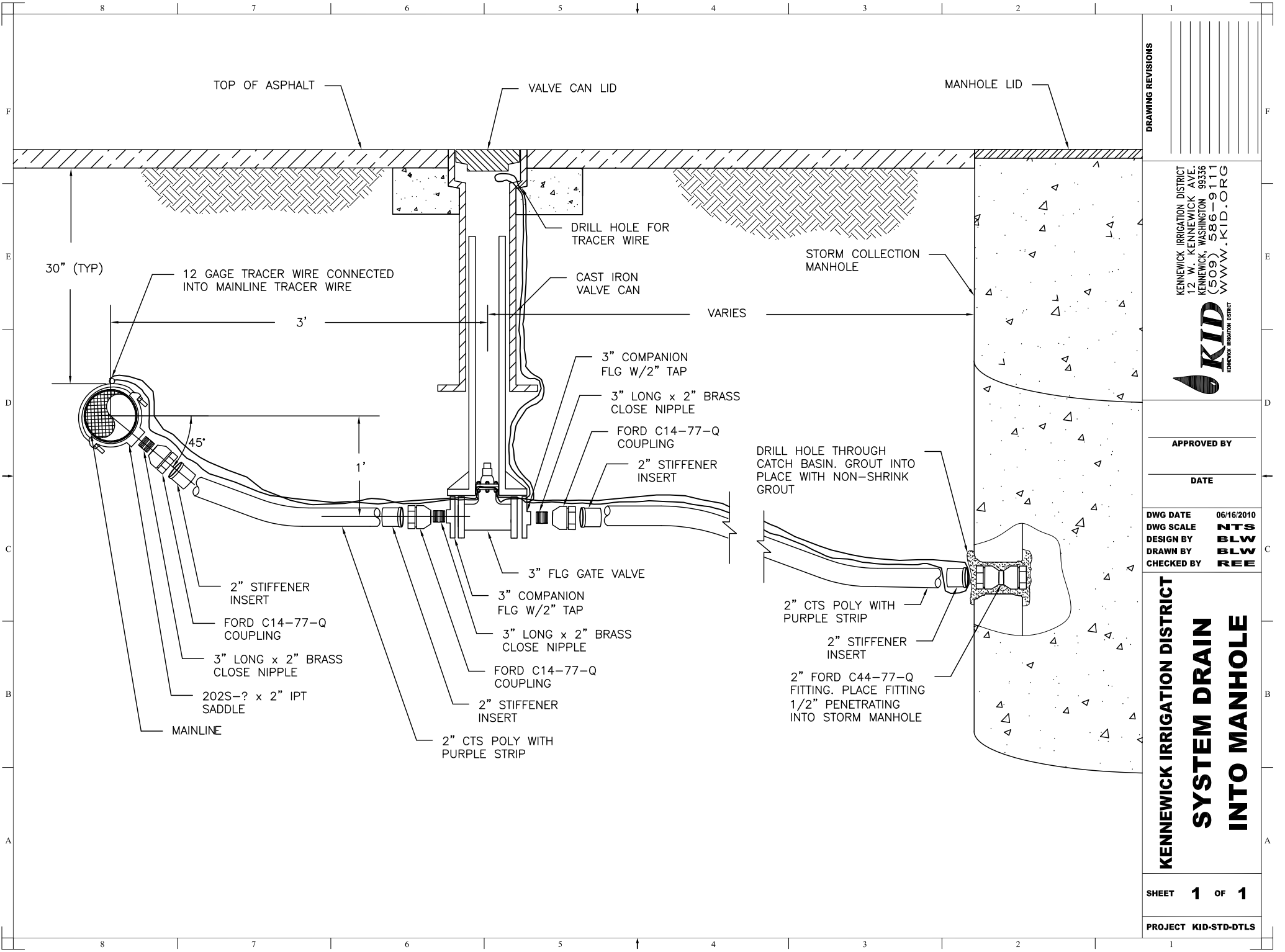
DWG DATE 3/31/2016
DWG SCALE NTS
DESIGN BY CDS
DRAWN BY
CHECKED BY

KENNEWICK IRRIGATION DISTRICT
2" IRR. SERVICE
SEPARATED SIDEWALK DETAIL

SHEET 1 OF 1

PROJECT KID-STD-DTLS





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KENNEWICK IRRIGATION DISTRICT
12 W. KENNEWICK AVE.
KENNEWICK, WASHINGTON 99336
(509) 586-9111
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APPROVED BY

DATE

DWG DATE 06/16/2010
DWG SCALE NTS
DESIGN BY BLW
DRAWN BY BLW
CHECKED BY REE

KENNEWICK IRRIGATION DISTRICT

SYSTEM DRAIN INTO MANHOLE

