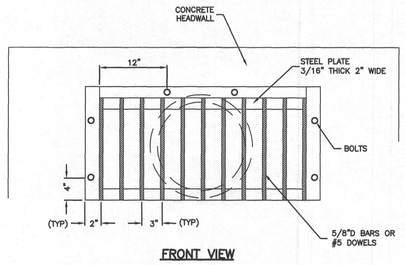
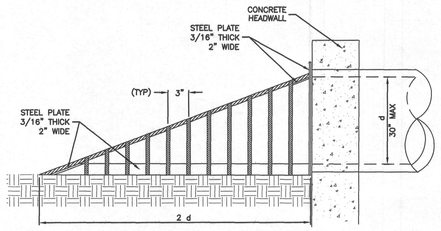


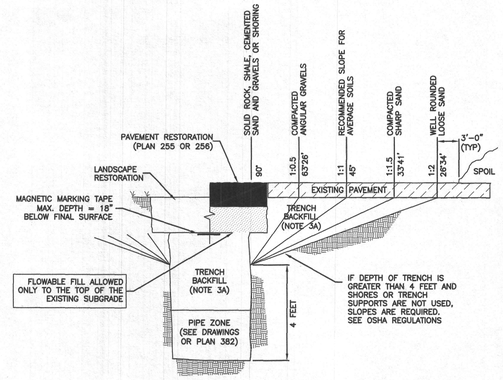
FRONT VIEW



RIGHT SIDE VIEW

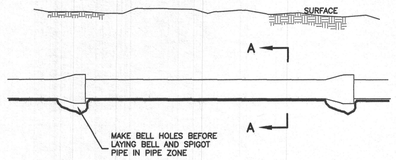
8 DEBRIS GRATE INLET DETAIL

SCALE: N.T.S. APWA PLAN NO. 320

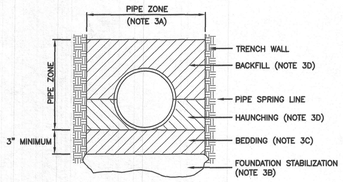


3 TRENCH BACKFILL

SCALE: N.T.S. APWA PLAN NO. 381



ELEVATION VIEW



SECTION A–A

INSTALLATION

CONCRETE PIPE: FOLLOW ASTM C 1479
"STANDARD PRACTICE FOR INSTALLATION OF PRECAST CONCRETE SEWER, STORM DRAIN, AND CULVERT PIPE USING STANDARD INSTALLATIONS.

PVC AND HDPE PIPE: FOLLOW ASTM D 2321
"STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS"

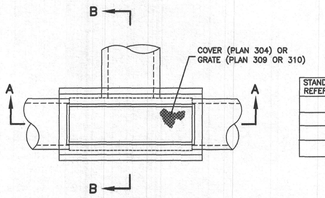
CORRUGATED METAL PIPE: FOLLOW ASTM A 798
"STANDARD PRACTICE FOR INSTALLING FACTORY-MADE CORRUGATED STEEL PIPE FOR SEWERS AND OTHER APPLICATIONS.

VITRIFIED CLAY PIPE: FOLLOW ASTM C 12.
"STANDARD RECOMMENDED PRACTICE FOR INSTALLING VITRIFIED CLAY PIPE LINES.

4 PIPE ZONE BACKFILL

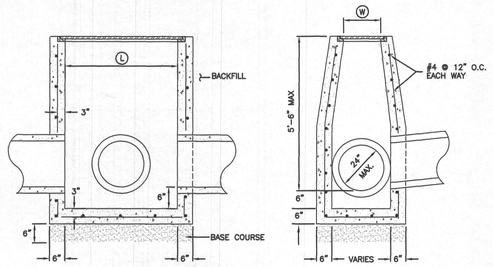
SCALE: N.T.S. APWA PLAN NO. 382

TYPE A



STANDARD PLAN REFERENCE No.	Ⓛ	Ⓦ
304	44 1/2"	16 1/2"
305	47 1/2"	21 3/4"
309	47 3/4"	16"
310	44 1/2"	16 1/2"

PLAN

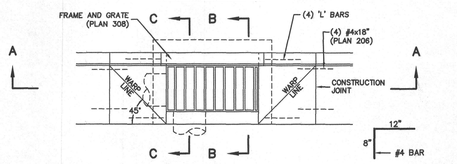


SECTION A–A SECTION B–B

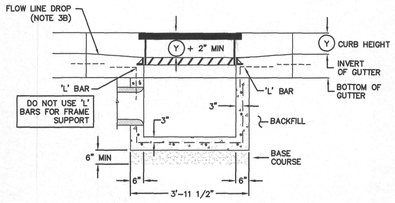
6 CLEAN OUT DETAIL

SCALE: N.T.S. APWA PLAN NO. 331

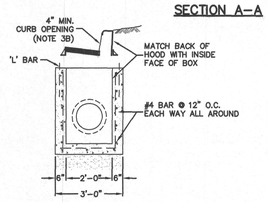
SINGLE GRATE



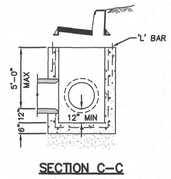
PLAN "L" BAR DETAIL



SECTION A–A



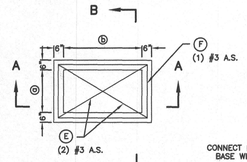
SECTION B–B



SECTION C–C

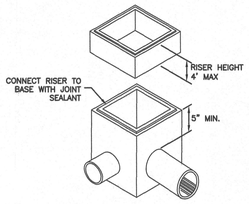
1 CURB CATCH BASIN

SCALE: N.T.S. APWA PLAN NO. 315

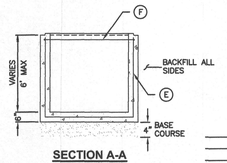


PLAN

RISERS: ON BOXES DEEPER THAN 4 FEET, PROVIDE AN UNREINFORCED PRECAST CONCRETE RISER MATCHING THE DRAINAGE BOX SIZE



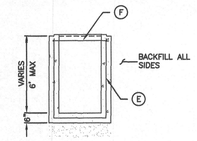
OBLIQUE



SECTION A-A

TABLE OF DIMENSIONS		
BOX SIZE	ⓐ	ⓑ
~~1.5 x 4~~	~~18"~~	48"
~~2 x 2~~	~~24"~~	24"
~~2 x 3~~	~~24"~~	36"
~~2.5 x 4~~	~~30"~~	48"
3 x 3	36"	36"
~~3 x 3.5~~	~~36"~~	42"
4 x 4	48"	48"

NOTE: OTHER BOX SIZES (LESS THAN 48"), WITH DIFFERENT a AND b DIMENSIONS ARE ACCEPTABLE.

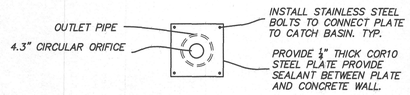


SECTION B-B

REINFORCING STEEL LAYOUT	
PROVIDE 2" MIN. COVER ON ALL BARS	
BAR Ⓔ	BAR Ⓕ
	12"

2 PRECAST BOX

SCALE: N.T.S. APWA PLAN NO. 332



9 ORIFICE DETAIL

SCALE: N.T.S.

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SEAL:

LICENSED PROFESSIONAL ENGINEER No. 4770481 PAUL S. FESER CIVIL STATE OF UTAH

MHTN PROJECT NO. 2012545.00

DRAWN BY: BP CHECKED BY: PF

ISSUED:

NO.	DATE	DESCRIPTION
1	10/8/2014	CONSTRUCTION DOCUMENTS

CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION

SHEET NAME

STORM DRAIN DETAILS

CONSTRUCTION DOCUMENTS

SHEET NUMBER

CE-603

DATE: 1/28/14 TIME: 8:35:36 AM DRAWING NAME: CE-603.DWG
SERVER: PAGE SETUP: PZE-C3D-30x42 LAYOUT: NVS - Civil
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