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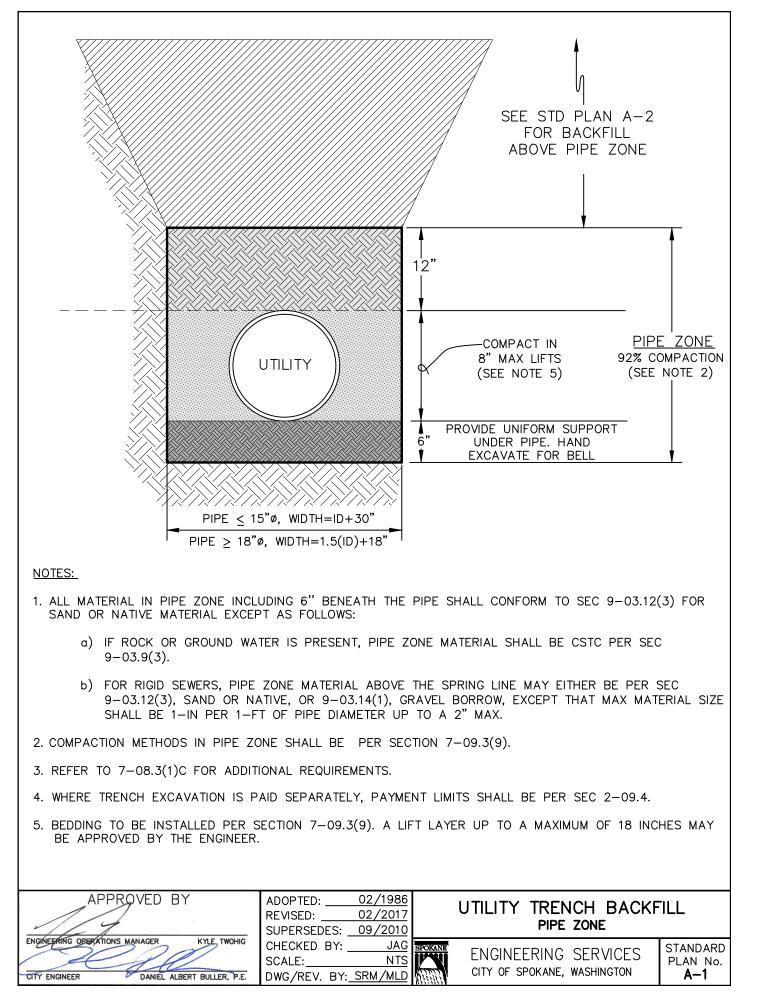
CITY OF SPOKANE STANDARD PLANS – SECTION A

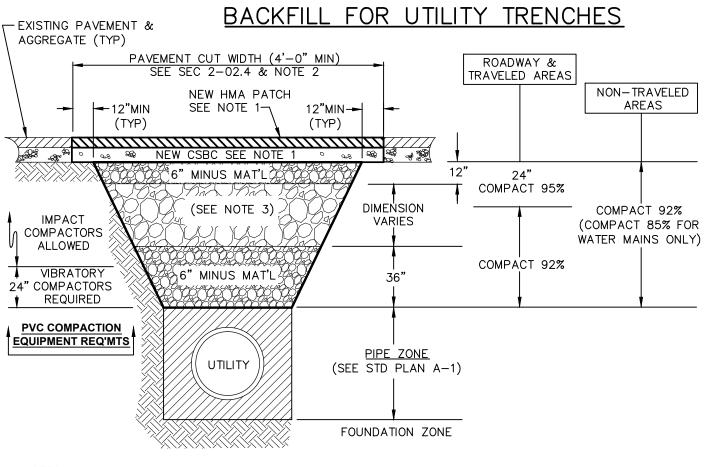
X-### = Re	evised Standard Plan
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***X-### = New Standard Plan

<u>Plan No.</u>	Plan Title Current Plan	Date
A-1	Utility Trench Backfill – Pipe Zone (previously B-18C)	.2/17
A-2	Utility Trench Backfill – Above Pipe Zone (previously B-18D)	.4/12
A-3	Utility Trench Backfill – Requirements using CDF (previously B-18E)	.1/17
A-4	Sewer Utility - Location and Construction Requirements (previously W-110)	.5/07
A-5	Water and Sewer Crossings (previously W-111)	.1/09
A-6	Underground Utility Location for Existing Streets (previously W-112)1	11/18
A-7	Underground Utility Location for New Developments (previously W-113)1	11/18
A-8	Adjustment Section – Grade Rings (Risers) (previously B-123)	.1/17
A-9	Casing / Carrier Pipe – Details (previously Y-110)	.7/20
A-10	Cut-Off Wall (previously B-19)	.1/17
A-11	Pipe Anchor (previously B-117)	.6/92
A-12	Manhole Frame and Cover (previously B-112)	.5/07
A-13	Manhole Frame and Cover – 3 Point Bolt Down (previously B-112A)	.5/07
***A-14		.4/23
***A-15	Bike Rack Spacing	.4/23
***A-16		.4/23

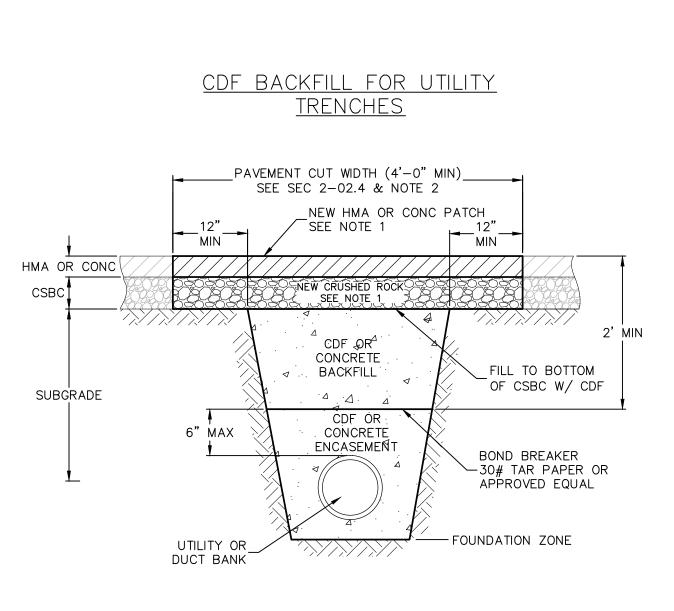




NOTES:

- 1. REPLACE HOT MIX ASPHALT (HMA) PAVEMENT & CRUSHED BASE PER STD PLANS W-108 & W-109.
- 2. SEE CITY OF SPOKANE (COS) PAVEMENT CUT POLICY IN THE COS DESIGN STDS, APPENDIX 'F' FOR ADD'NL REQ'MTS.
- 3. WATER LINES REQUIRE 6" MINUS MAT'L FOR THE ENTIRE BACKFILL. 12" MINUS MAT'L MAY BE USED FOR OTHER UTILITIES.
- 4. COMPACTION ABOVE THE PIPE ZONE SHALL BE MEASURED PER SEC 2-03.3(14)D. FOR ROADWAY & TRAVELED AREAS COMPACT TOP 2-FT IN 4" MAX LIFTS. COMPACT BELOW TOP 2-FT TO TOP OF PIPE ZONE IN 8" MAX LIFTS. FOR NON-TRAVELED AREAS COMPACT IN 8" MAX. LIFTS. ENGINEER MAY WAIVER THE 92% COMPACTION TO A LESSER VALUE FOR GRASS SWALES OR OTHER PLANTING AREAS.
- 5. FOR DEVIATION FROM LIFT THICKNESS, SEE SEC 7-08.3(3) FOR SEWER/STORM & SEC 7-09.3(11) FOR WATER UTILITIES.
- 6. TRENCH EXCAVATION MATERIALS SHALL BE USED FOR BACKFILL IF MATERIALS MEET GRADUATION REQ'MTS ABOVE. IMPORTED BACKFILL SHALL MEET THE REQ'MTS OF SEC 9-03.14(1), GRAVEL BORROW.
- 7. CONTROLLED DENSITY FILL (CDF) PER SEC 2-09.3(1)E, MAY BE USED IN LIEU OF NATIVE BACKFILL WHERE IT IS NOT PRACTICAL TO COMPACT BACKFILL TO THE REQ'D DENSITY. SUCH USE SHALL BE PRE-APPROVED BY THE ENGINEER. SEE STD PLAN A-3 FOR CDF BACKFILL REQ'MTS.

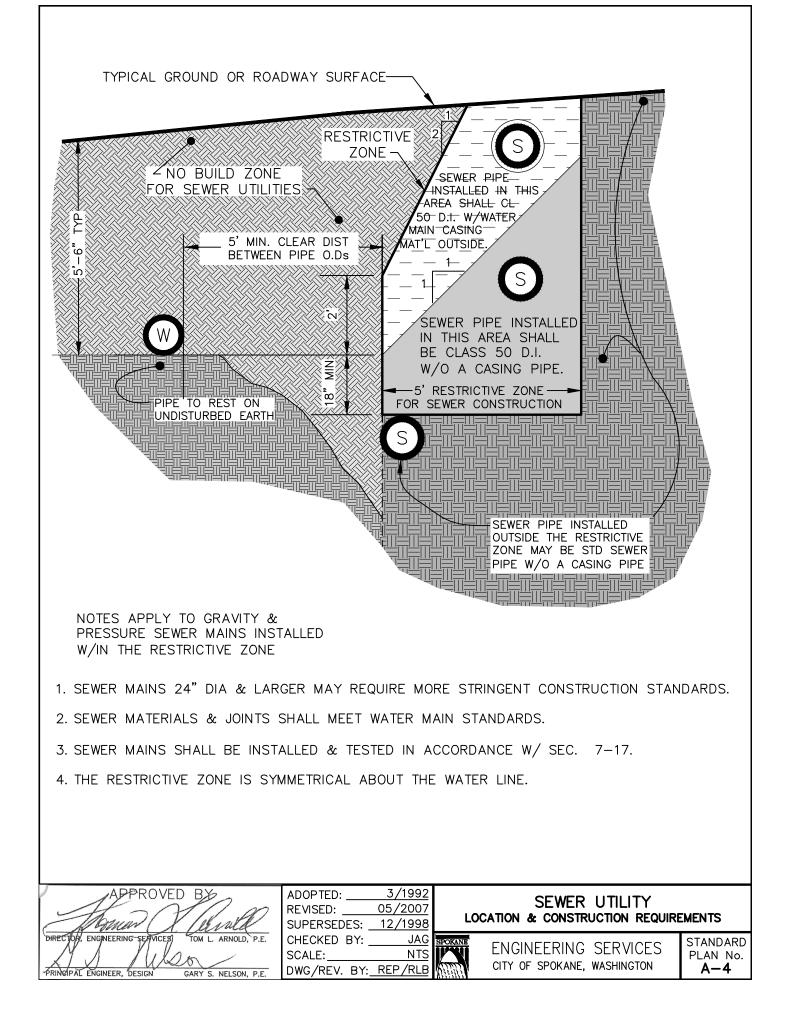
APPROVED BY	ADOPTED: <u>2/1990</u> REVISED: <u>09/2010</u> SUPERSEDES: <u>01/2008</u>	UTILITY TRENCH BACKFI	LL
DIRECTOR, ENGINEERING SERVICES P. MIKE TAYLOR, P.E.	CHECKED BY: JAG SCALE: NTS DWG/REV. BY: <u>SRM/MBM</u>	ENGINEERING SERVICES city of spokane, washington	STANDARD PLAN No. A-2

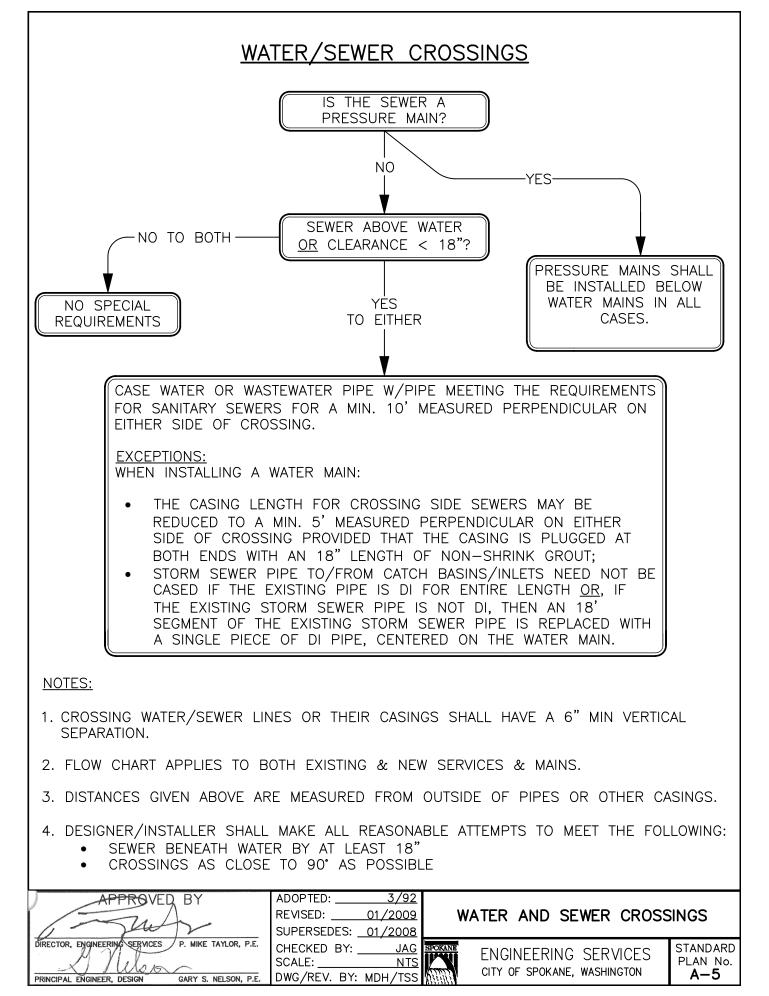


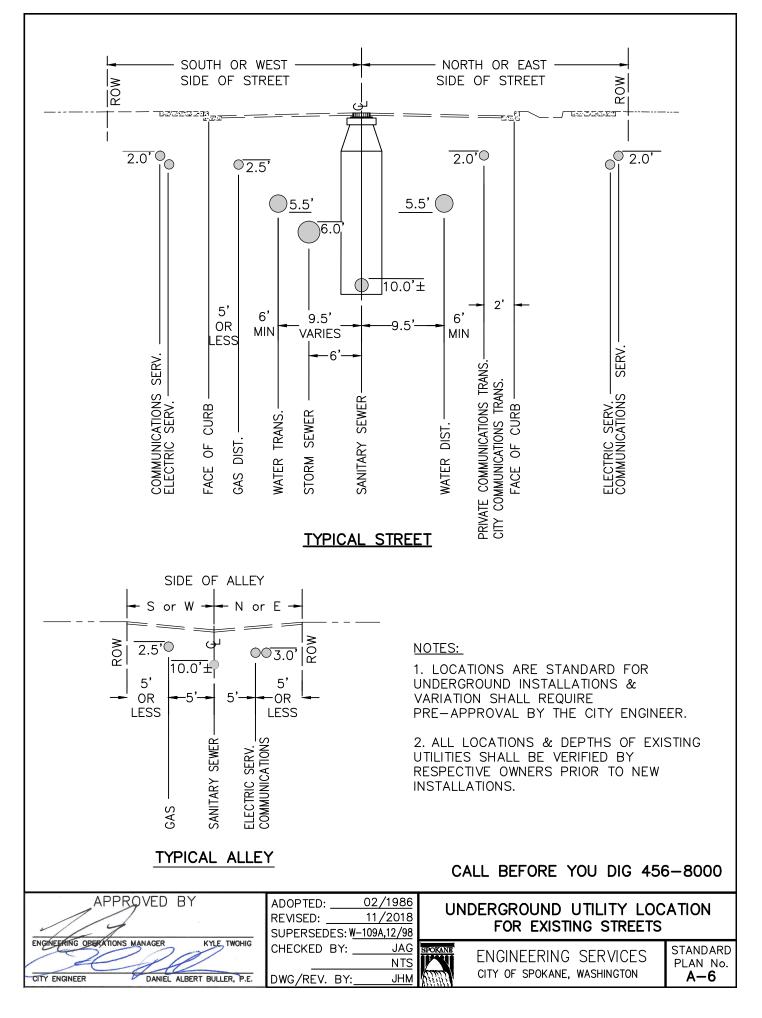
NOTES:

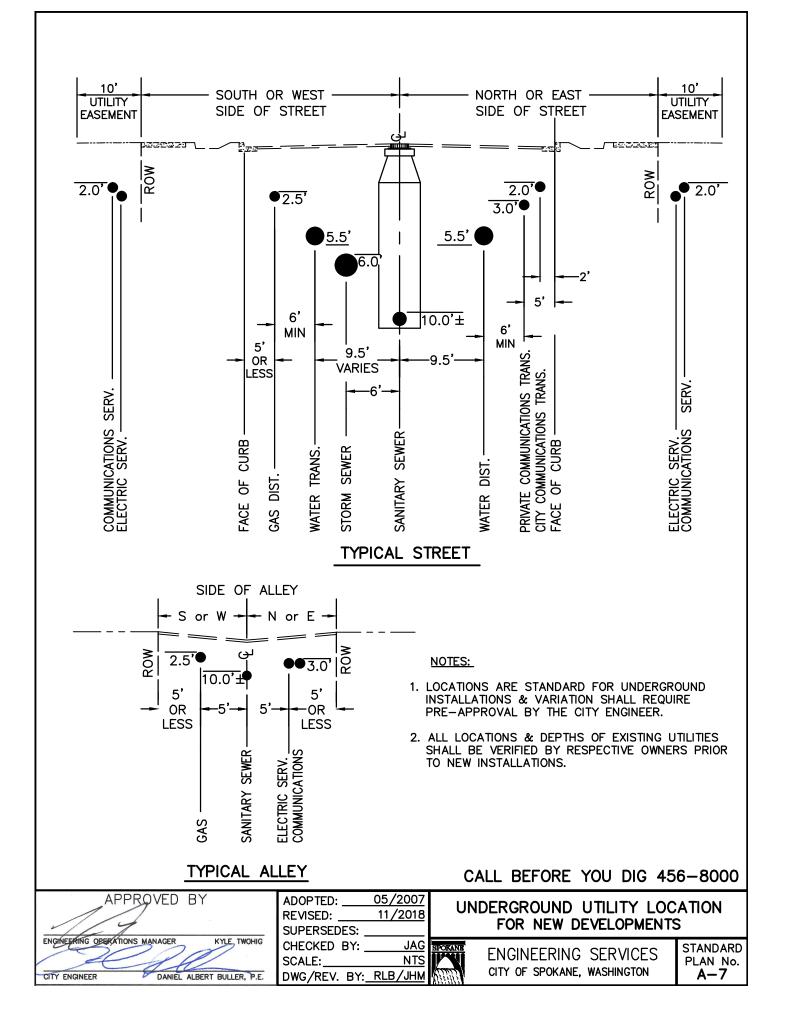
- 1. REPLACE HOT MIX ASPHALT (HMA) OR CONCRETE PAVEMENT PER CITY STANDARD PLANS W-102, W-108, & W-109.
- 2. SEE CITY OF SPOKANE (COS) PAVEMENT CUT POLICY IN THE COS DESIGN STANDARDS, APPENDIX 'F' FOR ADDITIONAL REQUIREMENTS.
- 3. BEDDING MATERIAL PER SEC 7-08.3(1)C MAY BE USED AS AN ALTERNATIVE TO CDF & CAPPED W/ CDF TO SERVE AS A LOCATION MARKER FOR THE UTILITY.
- 4. 30# TAR PAPER SHALL BE PLACED THE FULL LENGTH AND WIDTH OF A UTILITY TRENCH WHEN THE UTILITY IS ENCASED IN CDF OR CONCRETE AND THE REMAINDER OF THE TRENCH IS BACKFILLED WITH CDF OR CONCRETE.

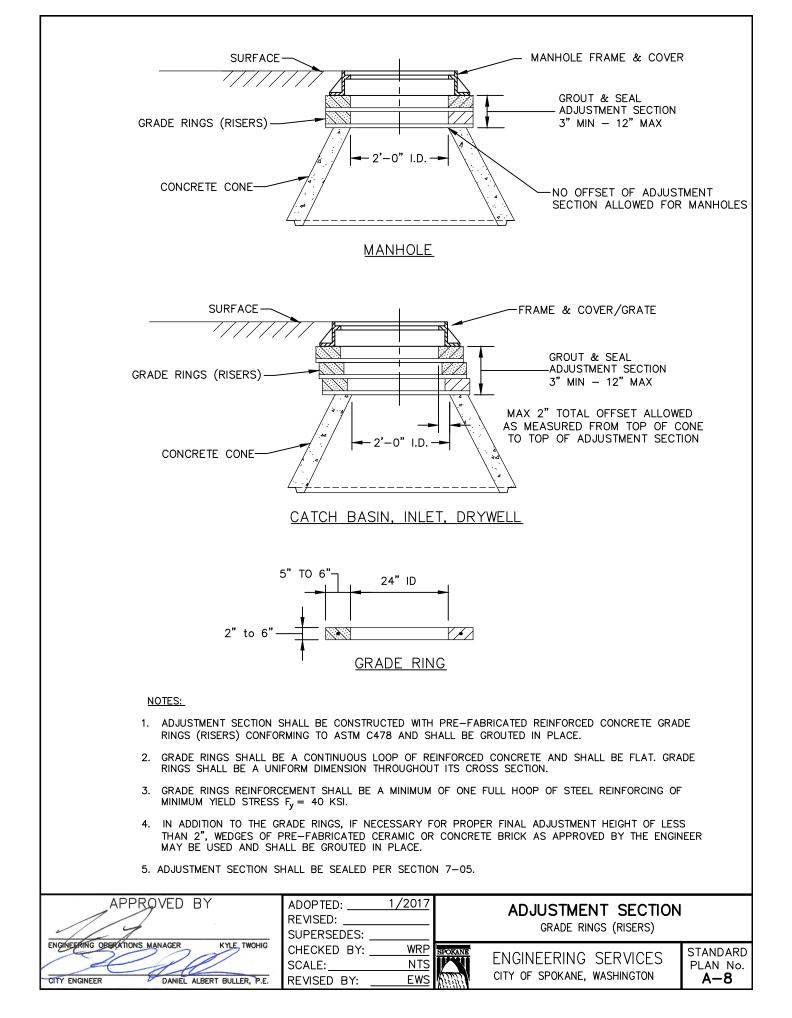
APPROVED BY	ADOPTED:	04/2004			
	REVISED:	01/2017			
	SUPERSEDES:	04/2012		REQUIREMENTS USING CDF OR CON	URETE
ENGINEERING OBERATIONS MANAGER KYLE TWOHIG	CHECKED BY:	JAG	SPOKANE	ENGINEERING SERVICES	STANDARD
	SCALE:	NTS	PN		PLAN No.
CITY ENGINEER DANIEL ALBERT BULLER, P.E.	DWG/REV. BY:	TSS/MLD	(BBBC)	CITY OF SPOKANE, WASHINGTON	A-3



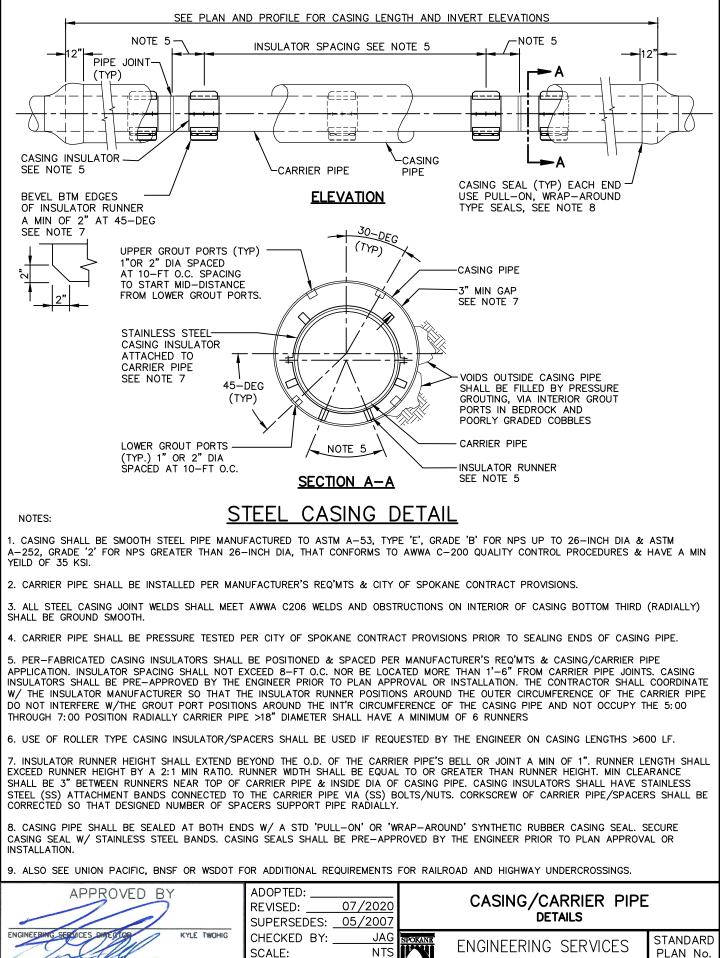








CHTY ENGINEER

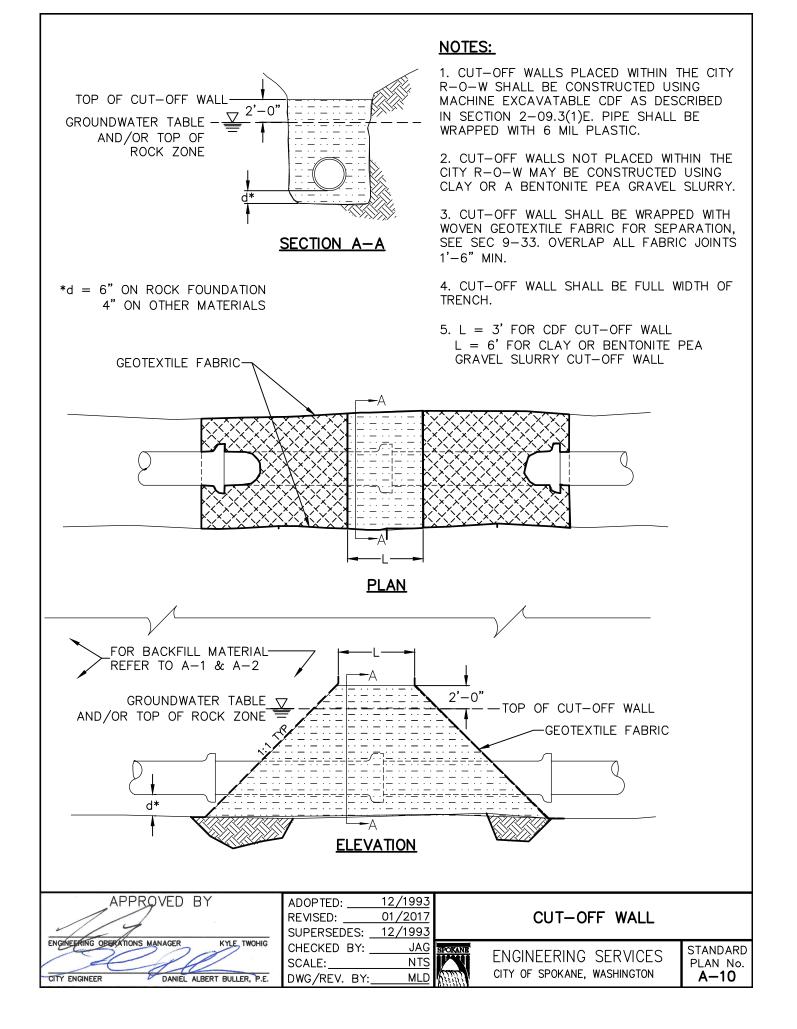


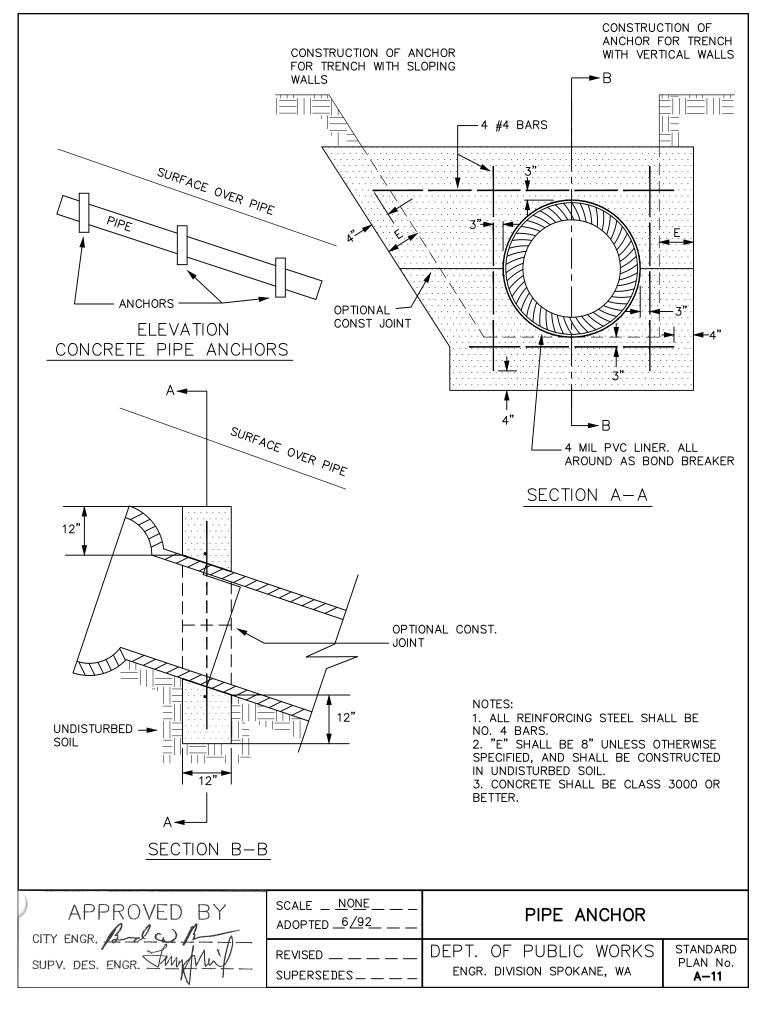
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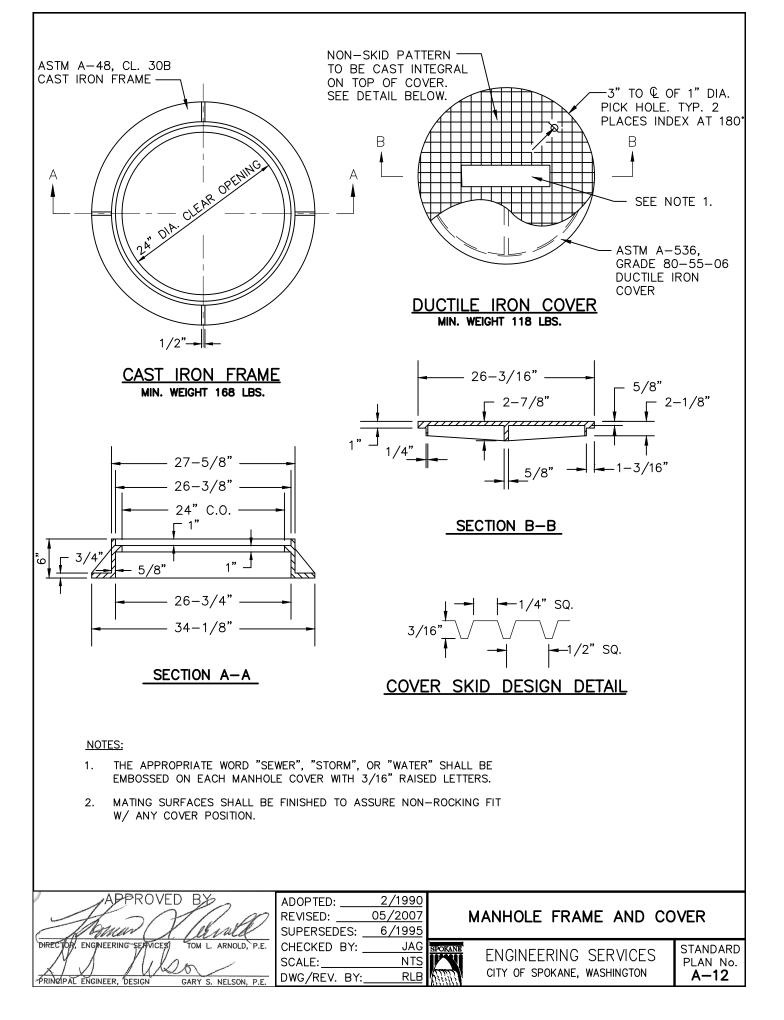
DAN BULLER, P.E.

CITY OF SPOKANE, WASHINGTON

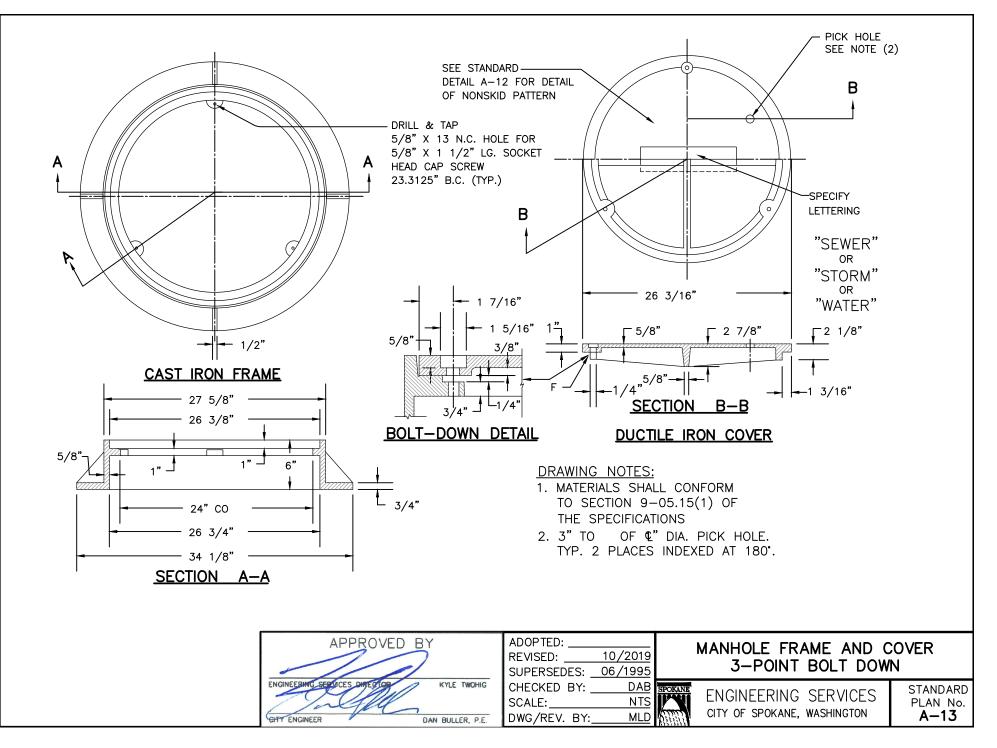


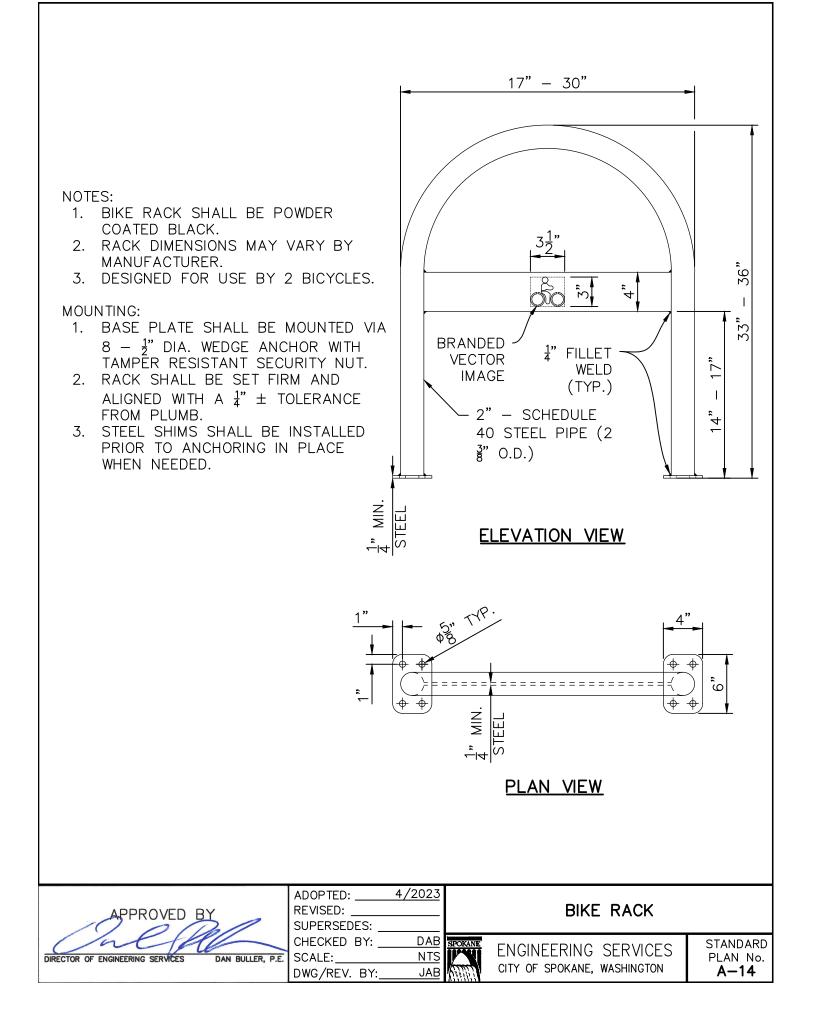






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