#	Book	Chapter	Paragraph	Figure	Exhibit	Change(s) Made	Revision Summary/Purpose	Date Changed
					Exhibit SW12-4 -	Added DVS address at hottom: Added - "D" t-	Lindata to DVS department address d	
1	Book 2	SW12	n/a	n/a	Application for SWPPP Permit	Added DVS address at bottom; Added a "P" to SWPP throughout	Update to DVS department address and corrected a typo.	7/30/2015
	DOOKE	3W12	1.70	.,, u				7,50,2013
					5 Lilli 000 4		Updated language in the example letter	
					Exhibit GR6-1 Surveying and	Added verbiage and examples to make the letter more descriptive of the type of project	sent to property prior to starting survey work. Revision to help clarify and describe	
2	Book 1	GR6	n/a	n/a	Inspection Notice	being proposed	proposed work to property owners.	8/19/2015
2	D I. F	144C 1 1447	MAAC 07 2 4 MAA 7 04 2	- /-	- /-	ASTM reference was incorrect. Changed from	Connected as in course to ACTA 4 references	2/2/2016
3	BOOK 5	MA6 and MA7	MA6.07.2 and MA7.04.2	n/a	n/a	ASTM D4710 to ASTM D3350  Denominator in Hazen Williams equation	Corrected an incorrect ASTM reference.	2/2/2016
4	Book 3	SA8	8.05.3	n/a	n/a	should be multiplied not added	Corrected a typo in the Hazen Williams	3/22/2016
5	Book 4	W5	F 00 4	n/a	n/a	Denominator in Hazen Williams equation should be multiplied not added	equation.	2/22/2016
- 5	BOOK 4	WS	5.08.4	II/ d	li/a	Deleted reference to copper water services.		3/22/2016
6	Book 4	W6	6.02.2	n/a	n/a	All services to be 1" HDPE		3/22/2016
_	Dook F	MA7	7.03	14471		Deleted reference to copper water services.  All services to be 1" HDPE	Removed all references in the manual to	2/22/2016
7	Book 5	IVIA7	7.02	MA7.1		Deleted reference to copper water services.	copper water service lines. The preferred	3/22/2016
8	Book 5	MA7	7.07	MA7.8		All services to be 1" HDPE	pipe material for water services is HDPE.	3/22/2016
						Undated Proprietors COLLEGE to reflect	Undeted the approved COULlist to reflect	
9	Book 5	MA5	n/a	n/a	MA5-3	Updated Proprietary SQU List to reflect changes to manufacturers and flow rates.	Updated the approved SQU list to reflect recent product changes and updates.	6/27/2016
				,		Inserted the following sentence: "Large		
						electrical transmission line foundations shall	Add language that water mains should be	
10	Book 4	W5	W5.03.7.B	n/a	n/a	be a minimum 10-feet (10") away from water mains."	located 10 feet away from overhead electrical transmission main foundations.	9/26/2016
11	Book 5	MA7	MA7.02	Ma7.1		Remove both Certalok (PVC) rows from table	4	9/26/2016
12	Book 5	MA7	MA7.02	Ma7.1		Remove Both fusible (PVC) rows from table		9/26/2016
						(		5/25/252
13	Book 5	MA7		MA7.4		Remove both Certalok (PVC) rows from table	CertaLok and Fusible PVC watermain pipe	9/26/2016
14	Book 5	MA7		MA7.4		Remove Both fusible (PVC) rows from table	materials were removed from the approved materials, due to installation issues.	9/26/2016
	DOOKS					nemove Both rasible (FVe) rows from table	materials, and to installation issues.	3,20,2010
						Adjust note at end to read "When water main	Added a note to coordinate with City	
15	Book 5	MA7	MA7.12.3	n/a	n/a	diameter exceeds 12 inches, consult city utilities for appropriate restraint devices.	Utilities for large dia watermain restraint devices.	9/26/2016
				.,-	-7-			5/25/252
				١,	,		Edited requirements to end watermains	
16	Book 4	W7	W7.03.6	n/a	n/a	End in a type 5 hydrant instead of type 3.	with a type 5 hydrant instead of a type 3.	10/3/2016
						Delete "Water Maintenance and Service shall		
						be the sole entity responsible for turning the		
17	Book 5	MA7	MA7.02.3	n/a	n/a	valves that create this single point of connection to the existing system."		10/3/2016
					, ,			
						Delete "other" from the 8th bullet point.		
						Sentence shall state "The Contractor is responsible for turning all valves not accepted		
18	Book 5	MA7	MA7.02.3	n/a	n/a	as part of the distribution system."	Edited the requirements to have Water	10/3/2016
						Add bullet point "Contractor shall operate	Maintenance and Service be responsible for	
						valves that connect to the existing service, under the observation of Water Maintenance	operating new valves that directly connect new watermains to the existing. Changed	
19	Book 5	MA7	MA7.02.3	n/a	n/a	and Service."	the responsibility to the contractor.	10/7/2016
20	Book 5	MA7	MA7.03.1	n/a	n/a	Delete "non-fusible."	Removed additional references to fusible	10/3/2016
21	Book 5	MA7	MA7.03.2	n/a	n/a	Delete Paragraph titled Pressure PVC Pipe (fusible)	PVC pipe, since the material is no longer acceptable.	10/3/2016
m	233			., -		( · · · · · · · · · · · · · · · · · · ·	ассерсане.	13/3/2010
						Add Superscript 1 to Min. Size to state "Note		
						1: Minimum of 2-inch HDPE pipe is acceptable in dead end applications, but required	Added a note to allow 2" HDPE, but only in dead end watermain applications and with	
22	Book 5	MA7	MA7.04	MA7.5		approval by City Utilities Engineering."	approval form City Utilities.	10/3/2016
	Book 5		MA7.07.4			Move 4 to before Figure MA7.10.	Format revision.	10/3/2016
2/	Book 5	MA7	MA7.07.6	n/a	n/a	Add paragraph 6. Pipe Stiffener for Services.	Added requirements to use a pipe stiffener for HDPE water services.	10/3/2016
	Book 5		MA7.08.2	n/a n/a	n/a n/a	Delete C509, replace with C515.	I.O. FIDE E WATER SELVICES.	10/3/2016
						Add verbiage to state "Valves shall have	1	
26	Book F	MAZ	MA7.08.2	n/a	n/a	mechanical joints, unless HDPE fusible end	Removed the older AWWA C509 standard	10/2/2016
∠6	Book 5	IVIA/	MA7.08.2	n/a	n/a	valve is used.	for resilient seat gate valves and updated it	10/3/2016
							with the more current standard of AWWA C515. Revision reflects current industry	
						Demonstration AMBANA CEGG Co	standard. And added fusible HDPE ended	
						Remove the AWWA C509 Designation from the Manufacturers: Clow, Kennedy, Mueller.	gate valves as allowable.	
						Add AVK (for HDPE) manufacturer, series 66		
27	Book 5	MA7		MA7.12		model, Min 6 inch and Max 12 inch.		10/3/2016
20	Book F	MAZ	MA7.08.2.4	n/a	n/a	Move paragraphs 3 and 4 to before Figure MA7.12.	Format revision	10/2/2016
46	Book 5	IVIM/	MA7.08.3-4	n/a	n/a	IND/.14.	Format revision.	10/3/2016

#	Book	Chapter	Paragraph	Figure	Exhibit	Change(s) Made	Revision Summary/Purpose	Date Changed
						Revise language to state "Tracing wire is used	Clarified requirements for tracing wire,	
						on all water mains, regardless of material,	noted that it needs to be used on all	
29	Book 5	MA7	MA7.12.1	n/a	n/a	including service lines."	watermains and service lines.	10/3/2016
						Delete #10, replace with #12. Add two (2)	Updated the tracing wire material	
						types of installation of Open Cut and Trenchless. Min. break load of 1,110 lbs and	requirement to a stronger wire. Changes made to guard against breaking during	
30	Book 5	MA7	MA7.12.1.A	n/a	n/a	3,000 lbs, respectively.	installation.	10/3/2016
50	BOOK 5	Wil-Cr	IVIAV.IZ.I.A	11/4	iiy u	5,000 lb3, respectively.	installation.	10/3/2010
31	Book 4	W7	W7.03.3	n/a	n/a	Add INDOT before No. 8, No. 53, and No. 73.	Added INDOT before aggregate types to	11/7/2016
32	Book 4	W5	W5.05.3	n/a	n/a	Add INDOT before No. 8, No. 53/73	clarify gradation requirements.	11/8/2016
						Add "or slug" for the following statement to		
l						say: " Use the continuous feed or slug method		
33	Book 5	MA7	MA7.02.4.B.2	n/a	n/a	of disinfecting.	4	11/29/2016
						Add the statement "Utilize calcium hypochlorite in granular form containing 65	Updated the chlorine disinfection	
						percent available chlorine by weight for	requirements to allow for granular chlorine	
34	Book 5	MA7	MA7.02.4.B.2	n/a	n/a	disinfection."	and the slug method for disinfection.	11/29/2016
				-,-	.,,-			,,
						Two paragraphs added at the end of the		
						section: "New developments that are less		
						than 2-acres require release rates less than		
						0.36 cfs. An orifice small enough to control a		
						flow rate this low can be a maintenance issue.	Two paragraphs added at the end of the	
						Contact Development Services to establish	section to clarify the release rate	
				İ		possible alternatives. Potential options include	requirements for new development projects. Also language added to note that	
1						water quality offsets, or a minimum 3-inch diameter orifice.	small release rates may yield smaller	
						Storm-water quality measures will be required	overflow pipes, which can create	
				İ		for sites that are less than 1-acre and need to	maintenance issues. Language was added	
						receive a variance to release at a rate greater	to coordinate with DVS as required for small	
35	Book 2	SW11	SW11.02	n/a	n/a	than those allowed by Figure SW11.1."	development sites.	3/6/2017
						Sentence added at the end of the introductory	1	
						paragraph: "., any increase in impervious area		
						will require additional stormwater control.	A sentence was added onto the	
						This includes existing developments that may	introductory paragraph to clarify that any	
20	D I. 2	CVAVA	C14/4.4.03	/-	- /-	or may not have existing stormwater detention facilities."	increase in impervious areas will require additional stormwater control.	2/5/2017
30	Book 2	24/11	SW11.03	n/a	n/a	deterition facilities.	additional stormwater control.	3/6/2017
						Edited the second sentence: Added in peak		
						discharge " leaving the site, shall not		
						increase" and deleted redevelopment		
37	Book 2	SW11	SW11.03.3	n/a	n/a	project "shall not increase"	Sentence was rearranged for clarity about n	3/6/2017
						Added in a new ¶ heading and sentence: "5.		
						Release Rate Options - When a new detention		
						basin is required to control the increase in	New heading and introductory sentence	
38	Book 2	SW11	SW11.03.5	n/a	n/a	impervious area runoff, "	was added to clarify release rate section.	3/6/2017
							Sentence was edited to clarify required	
							release rates. The sentence originally only referred to development projects, but was	
						Last paragraph edited "Redevelopment	within the redevelopment section. The	
						projects with New developments that are less	same language was copied over to the new	
39	Book 2	SW11	SW11.03	n/a	n/a	that 2 acres of disturbed area require"	development section SW11.02.	3/6/2017
ΙŤ				, -				2, 2, 2027
							The PVC tables material AWWA standards	
							were edited since the recent change by	
						deleted the second row which included the	AWWA to combined AWWA C905 with	
1						reference to AWWA C905. Edited the	AWWA C900. AWWA C900, now covers	
	D ' -		- 1-	ļ	- 1-	acceptable diameter ranges for the AWWA	pipe diameters from 4" to 60", where	2/2/25
40	Book 5	MA/	n/a	MA7.4	n/a	C900 pipe to allow up to 16".	previously it only covered 4" -12".	3/9/2017
1						Added: "for PVC" after paragraph heading,		
11	Book 5	MA7	MA7.12.5	n/a	n/a	and in the paragraph text,	Added for PVC to section to clarify when	3/9/2017
41	DOOK 3	IVIA/	IVIN/.12.3	ii/ a	11/4	Added: "Ductile Ironfor PVC" to figure	ductile iron fittings are used for	3/3/2017
42	Book 5	MA7	MA7.12.5	MA7.13	n/a	heading.	watermains.	3/9/2017
<u> </u>			==	1			Deleted reference to standard fittings, the	3,3,2317
						Removed: "Standard Fittings" and "AWWA	compact fittings are what are almost always	
43	Book 5	MA7	MA7.12.5	MA7.13	n/a	C110 " from table.	supplied.	3/9/2017
						Added: Section "6. Fittings for HDPE Pipe".		
1						And inserted a paragraph with the HDPE		
44	Book 5	MA7	MA7.12.6	n/a	n/a	fitting requirements.		3/9/2017
1								
1 .		l			,	Added Figure MA7.14 to allow HDPE fittings.	Section and figure added to allow HDPE	
45	Book 5	MA7	MA7.12.6	MA7.14	n/a	Figure included reference standards and sizes.	fittings for HDPE pipe.	3/9/2017
						Deleted II 2 minor Buffer	Removed reference to Buffalo Style and	
	Dool F		MAZ 00 2	n/-	2/2	Deleted "3 piece Buffalo screw type boxes"	clarified that 2 piece is the preferred, in lieu	
46	Book 5	IVIA /	MA7.08.3	n/a	n/a	and replaced with "two piece, screw type,"  Sentence added at the beginning of the	of 3 piece. Sentence added to clarify a minimum slope	3/9/2017
1						paragraph: "Erosion control blankets are	that erosion control blankets are required	
47	Book 2	SW12	SW12.05.16	n/a	n/a	required on all slopes of 4:1 or steeper"	for.	3/6/2017
+/	DOUK Z	244TC	3VV 12.U3.1U	11/ a	ıı/a	required on an stopes of 4.1 or steeper	ioi.	3/0/201/

#	Book	Chapter	Paragraph	Figure	Exhibit	Change(s) Made	Revision Summary/Purpose	Date Changed
							Revised the allowable street flow encroachment to better align with Fort Wayne traffic engineering and the National Highway association requirements for inlet	
						Changed maximum street encroachment requirements for inlet spacing. Edited the	spacing. Old version allowed local streets to flood to centerline, revised only allows	
48	Book 2	SW7	n/a	SW7.2		values for Tmax and d.	flooding to 1/2 of the driving lane.  Allowed 2 new Aqua swirl SQU to the	3/6/2017
49	Book 5	MA5	n/a	n/a	MA5-3	Added 2 new SQU - Aqua-Swirl AS-11 (10.54 cfs) and AS-13 (16.00 cfs)	approved lists. Additions based on Indy approval of the units.	3/15/2017
50	Book 5	MA5	n/a	n/a	MA5-3	Added footnote: "Poly coated steel (PCS) not approved for use in public ROW"	Added a note to not allow corrugated metal SQU unit (AquaSwirl) in the ROW. Note aligns with Indy's SQU requirements.	3/15/2017
51	Book 5	MA5	n/a	n/a	MA5-3	Deleted Footnote: "1 - Temporary Approval" Removed note from the following SQU's Downstream Defender, Aqua-Swirl and Vortechs.	Removed the temporary approval note from all of the SQU's to align with Indy's SQU requirements.	3/15/2017
						Added in a new paragraph B "Electrofusion Saddle Joint Test." that covers pressure testing for electrofusion watermain tapping	Electrofusion joint pressure testing requirements added to help identify poor electrofusion joints prior to tapping into the watermain. The testing requirements are	
52	Book 5	MA7	MA7.02.4.B.2	n/a	n/a	saddles. Adding in a new paragraph C "Tracing Wire	intended to reduce leaking joints.	3/21/2017
53	Book 5	MA7	MA7.12.C	n/a	n/a	Corrosion Protection". Paragraph includes material requirements for a packaged magnesium sacrificial anode to be attached to the tracing wire to help protect it against corrosion.	New requirement to install a sacrificial anode onto tracing wire to help protect the wire from corrosion and to aid in future plastic pipe locating.	3/21/2017
				.,,-	.,,-		,	2, =2, =3 = 1
54	Book 5	MA4	MA4.02.2.A	n/a	n/a	Deleted temporary from section heading "Temporary Perimeter Protection- Filter Sock"		3/21/2017
55	Book 5	MA4	MA4.02.7	n/a	n/a	Deleted temporary from section heading "Temporary Sediment Trap"  Deleted temporary from section heading	Removed temporary from some of the erosion control products, since they can be	3/21/2017
56	Book 5	MA4	MA4.02.5	n/a	n/a	" <del>Temporary</del> Rock Check Dam"	used for permanent applications.	3/21/2017
57	Book 5	MA4	MA4.02.9	n/a	n/a	Deleted temporary from section heading "Coir Logs for <del>Temporary</del> River/Lake Shore Protection"		3/21/2017
58	Book 5	MA4	MA4.04.7	MA4.8		Added "Min 28 day Comp Strength" to the table column heading.	Timeframe requirement for strength testing added to table heading to clarify the required strength.	3/21/2017
59	Book 5	MA4	MA4.04.7	MA4.8		Changed the max water to cement ratio for class A concrete to 0.45. and the min 28 day compressive strength from 4,500 to 4,000.	Revised the minimum water to cement ratio to align with industry standards. And revised the compressive strength to match the water to cement ratio adjustment.	3/21/2017
60	Book 5	MA4	MA4.05.7	n/a	n/a	Revised the flowable fill material requirements. Included detailed material requirements in lieu of only referencing INDOT standards.	Edited the flowable fill material requirements to coordinate with local suppliers products.	3/21/2017
	2505			-, -	,-	Added in stone fill requirements for gabions and reno mattresses. There were no fill requirements listed previously. Added in	Added in gabion and reno mattress stone	5,21,2017
61	Book 5	MA5	MA5.20	n/a	n/a	INDOT requirements for Uniform A and B rip rap.	fill material requirements, to clarify the stone gradation requirements.  New product HDPE Check Dams added into	3/21/2017
62	Book 5	MA4	MA4.02.6	n/a	n/a	Added paragraph 6 HDPE Check Dams.	the Erosion Control Section to allow for more product options. New product latex bound coir mats added	5/1/2017
63	Book 5	MA4	MA4.02.7.G	n/a	n/a	Added paragraph G - Latex Bound Coir Mat	to the temporary inlet protection section, to allow for more products for erosion control.	5/1/2017
64	Book 5	MA4	MA4.02.11	n/a	n/a	Added paragraph 11 - Trackout Plates	New product included to allow the use of track out plates to assist with site erosion control.	5/1/2017
65	Book 5	MA4	MA4.02.12	n/a	n/a	Added paragraph 12 - Turf Reinforcement Mats	New product for plastic mats that can be placed on surfaces to avoid rutting and erosion.	5/1/2017
66	Book 5	MA4	MA4.02.12	n/a	n/a	Added paragraph 12 - Turf Reinforcement Mats	New product for plastic mats that can be filled with stone or other materials and can be placed on surfaces to avoid rutting and erosion.	5/1/2017
	Book 5		MA4.09	n/a	n/a	Added paragraph 7 - Hydraulic Growth Medium	New product that is a type of fertilizer called biotic earth black. That when placed in seed mixtures allows the plantings to grow quickly and evenly.	5/1/2017

#	Book	Chapter	Paragraph	Figure	Exhibit	Change(s) Made	Revision Summary/Purpose	Date Changed
						Inserted the following: "Note - Projects that	Contance included to require that rule	
						are located in dense urban areas, or near sensitive building foundations and structures	Sentence included to require that rubber boots are utilized for pipe to manhole	
						must require that rubber gasket boots are	connections in areas where manholes are in	
1						utilized for the pipe to manhole and inlet	downtown, near sensitive buildings, or	
68	Book 5	MA5	MA5.11.1.B	n/a	n/a	connections."	foundations.	5/1/2017
						Inserted the following: "Connections between		
						the inlet and pipe must be soil tight. Projects	Sentence included to require that rubber	
						that are located in downtown district or near	boots are utilized for pipe to inlet	
						sensitive building foundations and structures	connections in areas where inlets are in	
-	D I. F		NAAE 42	- /-	- 1-	must require that rubber gasket boots are	downtown, near sensitive buildings, or	F /4 /2047
69	Book 5	IVIAS	MA5.12	n/a	n/a	utilized for the pipe to manhole connections."	foundations.	5/1/2017
						Added entire section titled "Channel	New section added which includes channel	
						Protection Systems" which included geoweb,	protection systems from erosion and	
						a-jacks, concrete cloth, and concrete filled	streambank deterioration. Allows for other	
70	Book 5	MA5	MA5.21	n/a	n/a	fabric.	options besides the traditional riprap.	5/1/2017
71	Book 5	MAA	MA4.08.4	n/a	n/a	Updated the link to the permeable paving design guidance.	Link updated due to website restructuring.	7/27/2017
/1	DOOK 3	IVIA4	IVIA4.UO.4	II/d	ii/ a	Updated the link to the acceptable Fort	Link appeared due to website restructuring.	//2//201/
72	Book 5	MA5	MA5.19	n/a	n/a	Wayne Plant list.	Link updated due to website restructuring.	7/27/2017
						Updated the link to the Stormwater Rules and		
73	Book 2	SW4	SW4.02	n/a	n/a	Regs.	Link updated due to website restructuring.	7/27/2017
							Paragraph added to limit stormwater	
						Added in a new paragraph 6: "Infiltration	infiltration practices in wellhead protection	
74	Book 2	SW4	SW4.02.6	n/a	n/a	Practices"	areas. Edit aligns with MS4 Rule 13 req.	7/27/2017
							Department and death of the literature was a balance	
						Added in a new paragraph 6: "Below Grade	Paragraph added to limit stormwater below grade discharges without appropriate	
75	Book 2	SW4	SW4.02.7	n/a	n/a	Stormwater Discharges"	treatment. Edit aligns with MS4 Rule 13 req.	7/27/2017
				-7-			- The state of the	.,,2017
76	Book 2	SW4	SW4.03	n/a	n/a	Updated the link to the Floodplain Ordinance.	Link updated due to website restructuring.	7/27/2017
						Added in the following sentence "As site		
						conditions allow, the rate at which water	Sentence added to require designing	
						flows through the storm sewer system and	stormwater conveyance to minimize outfall	
						MS4 conveyances shall be regulated to reduce	and stream bank erosion. Addition aligns	
77	Book 2	SW6	SW6.04	n/a	n/a	outfall scouring and stream bank erosion."	with MS4 Rule 13 req.	7/27/2017
						Added in the following sentence "As site	Sentence added to require incorporating	
						conditions allow, a vegetated filter strip of appropriate width shall be maintained along	vegetative buffer strips for swales and ditches. Addition aligns with MS4 Rule 13	
78	Book 2	SW6	SW6.04	n/a	n/a	unvegetated swales and ditches. "	req.	7/27/2017
						Added additional contaminants to be captured		
						from gas and refueling stations. Contaminates		
70	D' 2	CIAIC	CW4 02 4	_ ,	- /-	include: lead, copper, zinc, and polyaromatic	Contaminates added to align with MS4 Rule	7/07/06:-
/9	Book 2	2006	SW4.02.4	n/a	n/a	hydrocarbons	13 req.  Definition incorporated to clarify MS4	7/27/2017
						Add the following to the definitions section:	conveyances which is a term used by Rule	
						MS4 Conveyances Stormwater system that is	13 and that was added into the design	
80	Book 2	SW1	SW1.03	n/a	n/a	within a designated MS4 area.	chapters.	7/27/2017
							Daragraph added to reference surrent	
							Paragraph added to reference current PROWAG guidelines to make any work in	
81	Book 1	GR5	GR5.13	n/a	n/a	Added section GR5.13	right-of-way accessible for all pedestrians.	8/21/2017
ดว	Book 5	MA5	MA5.15	n/a	n/a	Added the following sentence "In pedestrian		9/8/2017
υZ	DOOK 3	141/03	IVINO.ES	11/ 4	11/ a	traveled areas, castings frames and covers		3/0/2017
						must comply with current ADA requirements with a max opening of ½-inch. Utilize pick	Information added to coordinate with	
83	Book 5	MA6	MA6.12	n/a	n/a	hole plugs as appropriate. "	updated standards and to provide safe	
				-,-	,-	p. age at appropriate.	routes of travel for all pedestrians.	
84	Book 5	MA5	MA5.15	n/a	Exhibit MA5-1	Included the listing of approved ADA Castings		9/9/2017
						Added the following sentence " 8.9. In		
Q.E	Book 2	\$10/7	SW7 03 0	n/2	n/a	pedestrian traveled areas, install ADA		0/10/2017
65	BUUK Z	/ ۷۷۷	SW7.03.9	n/a	n/a	compliant inlet grates."	l .	9/10/2017