

PROPRIETARY PRODUCTS

The SUDAS Standard Specifications do not use references to proprietary products. The following is a list of products that may be considered for approval by the engineer to meet the specifications. This list is not intended to be a comprehensive listing of all acceptable products, nor is it intended to exclude any product that meets the specifications requirements. This list of commonly used products is provided simply as a convenience to the designer. No assurance is inferred or made regarding the use of these products. No verification is made for the listed products as to the continued compliance with the specifications. It remains the responsibility of the Project Engineer to verify that the products used meet the needs of the project and the appropriate specifications. Changes to this list will be made at the request of the specifications users on a yearly basis.

SUDAS Specifications Section 2010 - Earthwork, Subgrade, and Subbase

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
2010, 2.04, C, 5	Geogrid (triangular)	Tensar	TriAx Geogrid

SUDAS Specifications Section 3020 - Trenchless Construction

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
3020, 2.02	Casing Pipe (Interlocking)	Northwest Pipe Company	Permalok Steel Casing Pipe
3020, 2.03, B, 1	Casing Spacers (HDPE Band/Panel)	Advanced Product System, Inc.	CI
		BWM Company	KP Poly Series
		Cascade Waterworks Manufacturing	Phoenix Series
		RACI Spacers North America Inc.	RACI casing spacers
3020, 2.03, B, 2	Casing Spacers (Stainless/Carbon Steel Band/Panel)	Advanced Product System, Inc.	SSI or SI
		BWM Company	SS Series
		Cascade Waterworks Manufacturing	CCS or CCS-ER
		PowerSeal	4810
I 3020, 2.06	Casing End Seal	BWM Company	BWM-PO or BWM-WR
		Cascade Waterworks Manufacturing	CCES

SUDAS Specifications Section 4010 - Sanitary Sewers

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
4010, 2.01, A	Solid Wall PVC Pipe (8" to 15")	North American Pipe Corporation	PVC Gravity Sewer Pipe
		Diamond Plastics Corporation	Sani-21
		North American Pipe Corporation	ASTM D3034
		Northern Pipe Products	SDR35 and SDR26
4010, 2.01, B	Solid Wall PVC Pipe (18" to 27")	Diamond Plastics Corporation	Sani-21
		North American Pipe Corporation	ASTM F679
		Northern Pipe Products	SDR35 (only up to 24")
4010, 2.01, C	Corrugated PVC Pipe	Contech Engineered Solutions	A-2000 Sewer Pipe
		Diamond Plastics Corporation	Corr-21
		JM Eagle, Inc.	Ultra-Corr
4010, 2.01, D	Closed Profile PVC Pipe (21" to 36")	Diamond Plastics Corporation	Pro-21
4010, 2.01, E	PVC Composite Pipe	Contech Engineered Solutions	Truss Pipe
4010, 2.01, G	Ductile Iron Pipe (Lined)	U.S. Pipe	Protecto 401

SUDAS Specifications Section 4010 - Sanitary Sewers (Continued)

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
4010, 2.01, G, 6	Polyethylene Encasement	Ductile Iron Pipe Research Association approved suppliers	V-Bio Enhanced Polyethylene Encasement
4010, 2.01, I	Double Walled Polypropylene Pipe (12" to 30")	ADS, Inc.	SaniTite HP
4010, 2.01, J	Triple Walled Polypropylene Pipe (30" to 36")	ADS, Inc.	SaniTite HP
4010, 2.02, C	Sewage Air Release Valve	DeZURIK	APCO Model 400
		Val-Matic Valve & Manufacturing Corporation	48A and 49A
4010, 2.02, E	Tracer Wire Station	Rhino Marking and Protection Systems	TriView Test Station

SUDAS Specifications Section 4020 - Storm Sewers

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
4020, 2.01, F	HDPE Pipe	ADS, Inc.	N-12 ST IB
4020, 2.01, G	Corrugated Metal Pipe	Contech Engineered Solutions	HEL-COR
4020, 2.01, H	Spiral Rib Pipe	Contech Engineered Solutions	ULTRA FLO
4020, 2.01, I	Coated CMP	Contech Engineered Solutions	CORLIX
4020, 2.01, J	Corrugated Metal Arch Pipe	Contech Engineered Solutions	HEL-COR
4020, 2.01, K	Spiral Rib Arch Pipe	Contech Engineered Solutions	ULTRA FLO

SUDAS Specifications Section 4030 - Pipe Culverts

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
4030, 2.01, B, 5	Corrugated Metal Pipe	Contech Engineered Solutions	HEL-COR
4030, 2.01, B, 6	Spiral Rib Pipe	Contech Engineered Solutions	ULTRA FLO
4030, 2.01, B, 7	Coated CMP	Contech Engineered Solutions	CORLIX
4030, 2.01, B, 8	Corrugated Metal Arch Pipe	Contech Engineered Solutions	HEL-COR

SUDAS Specifications Section 4040 - Subdrains and Footing Drain Collectors

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
4040, 2.02, A	Type 1 Subdrain (Solid Wall PVC)	Northern Pipe Products	SDR35
4040, 2.02, B	Type 1 Subdrain (Corrugated PVC)	Contech Engineered Solutions	A-2000 Drainage
4040, 2.02, C	Type 1 Subdrain (Corrugated PE Tubing)	ADS, Inc.	Single Wall Corrugated HDPE
		Prinsco	Goldline Single Wall
4040, 2.03, A	Type 2 Subdrain (Solid Wall PVC)	Northern Pipe Products	SDR35
4040, 2.03, B	Type 2 Subdrain (Corrugated PVC)	Contech Engineered Solutions	A-2000 Drainage
4040, 2.03, C	Type 2 Subdrain (Corrugated PE Tubing)	ADS, Inc.	Single Wall Corrugated HDPE
		Prinsco	Goldline Single Wall
4040, 2.05, E	Rodent Guard for CMP	Agri Drain	External Rodent Guard (pin type and screw on type)
		Contech Engineered Solutions	MC Mesh Cap 6

SUDAS Specifications Section 4040 - Subdrains and Footing Drain Collectors (Continued)

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
4040, 2.05, E	Rodent Guard for Corrugated HDPE	ADS, Inc.	Animal Screen
		Agri Drain	External Rodent Guard
		Contech Engineered Solutions	MC Mesh Cap 4
		Nick's Welding	NW5 Rodent Guard
4040, 2.07	Engineering Fabric	Refer to products for Section 4020, 2.01, N	

SUDAS Specifications Section 4050 - Pipe Rehabilitation

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
4050, 2.02	PVC Manufactured Pipe for Sliplining (12" to 36")	Contech Engineered Solutions	A2 Liner Pipe
4050, 2.04	Centrifugally Cast Fiberglass Reinforced Polymer Mortar Pipe (CCFRPM) for Sliplining (18" to 48")	HOBAS Pipe	HOBAS CCFRPM Pipe
4050, 2.05	Resin Impregnated Tube for Cured-In-Place Pipe (CIPP)	Insituform Technologies, Inc.	Insituform CIPP
		Layne	Inliner
		Flowtite GRP-Pipe Systems	Flowtite
		Perma-Liner Industries LLC	Perma-Liner

SUDAS Specifications Section 5010 - Pipe and Fittings

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
5010, 2.01, A, 2, a	PVC Water Main Pipe (Push-on Joint)	Diamond Plastics Corporation	C900 and Trans-21
		North American Pipe Corporation	AWWA C900 and C905
		JM Eagle	Blue Brute (C900)
		Northern Pipe Products	PVC C900 and PVC C905
5010, 2.01, A, 2, b	PVC Water Main Pipe (Integral Restrained Joint)	North American Pipe Corporation	C900 RJ and C905 RJ
5010, 2.01, A, 2, c	PVC Water Main Pipe (Mechanical Restrained Joint)	EBAA Iron, Inc.	Series 2000 PV
5010, 2.01, B, 4, a	Ductile Iron Water Main Pipe (Push-on Joint)	U.S. Pipe	HP LOK Push-on Joint FIELD LOK 350
5010, 2.01, B, 4, b	Ductile Iron Water Main Pipe (Mechanical Joint)	U.S. Pipe	Mechanical Joint DI Pipe
5010, 2.01, B, 4, c	Ductile Iron Water Main Pipe (Restrained Joint, Buried)	U.S. Pipe	BOLT-LOK
5010, 2.01, B, 4, d	Ductile Iron Water Main Pipe (Restrained Joint, Structures)	U.S. Pipe	MECH-LOK Restrained Joint
5010, 2.03, A	Fittings for Ductile Iron and PVC Water Main Pipe (Mechanical Joint)	U.S. Pipe	Mechanical Joint Fittings
5010, 2.05, A	Polyethylene Wrap	U.S. Pipe	Polyethylene Encasement
5010, 2.05, B, 1, b	Tracer Wire (Bimetallic Copper Clad Steel Conductor)	Copperhead Industries, LLC	SuperFlex 1230

SUDAS Specifications Section 5020 - Valves, Fire Hydrants, and Appurtenances

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
5020, 2.01, B	Gate Valve	United Water Products	Model 2010-PIV
5020, 2.01, D	Tapping Valve Assemblies	Cascade Waterworks Mfg.	CST-EX Series (4" to 8" outlet)
		JCM Industries	JCM 6432
5020, 2.02	Fire Hydrant Assembly	Most jurisdictions have a list of acceptable fire hydrant models. Contact Jurisdiction for approved hydrants.	

SUDAS Specifications Section 6010 - Structures for Sanitary and Storm Sewers

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
6010, 2.05, B, 1, c	Precast Riser Joint Sealant - Butyl Sealant Wrap (Sanitary)	CreteX Specialty Products	CreteX Wrap
6010, 2.08, A	Flexible Watertight Gasket (New Sanitary Manhole)	A-LOK Products, Inc.	G3 , X-CEL , INSERTA-LOK , or QUIK-LOK
		Press-Seal Gasket Corporation	PSX Direct Drive , PSX Positive Seal , PRESS-BOOT , or Cast-A-Seal
6010, 2.08, C	Flexible Watertight Gasket (Existing Sanitary Manhole)	A-LOK	G3 or INSERTA-LOK
		Press-Seal Gasket Corporation	PSX Direct Drive , PSX Positive Seal , PRESS-BOOT , PSX Nylo-Drive
6010, 2.09, A, 2	HDPE Adjustment Rings	Sealing Systems, Inc.	Recycled Rubber Riser Ring
6010, 2.09, A, 3	Expanded Polypropylene Adjustment Rings	CreteX Specialty Products	Pro-Ring
6010, 2.10, C, 1	SW-601, Type A (2-piece for Sanitary Manhole) Casting	Deeter Foundry, Inc.	1247
		EJ	1045Z , 1040AGS
		Neenah Foundry	R-1642
6010, 2.10, C, 1	SW-601, Type B (3-piece for Sanitary Manhole) Casting	Deeter Foundry, Inc.	1188
		EJ	1796Z , 1796W , 1040AGS
		Neenah Foundry	R-1673-B
6010, 2.10, C, 1	SW-601, Type C (2-piece for Sanitary Manhole with bolt-down lid) Casting	Deeter Foundry, Inc.	1247
		EJ	1045ZPT , 1040AGS
		Neenah Foundry	R-1916-F
6010, 2.10, C, 1	SW-601, Type D (3-piece for Sanitary Manhole with bolt-down lid) Casting	Deeter Foundry, Inc.	1188
		EJ	1796ZPT , 1796W , 1040AGS
		Neenah Foundry	R-1673-B
6010, 2.10, C, 1	SW-602, Type E (2-piece for Storm Manhole) Casting	Deeter Foundry, Inc.	1247
		EJ	1045Z , 1040A
		Neenah Foundry	R-1642
6010, 2.10, C, 1	SW-602, Type F (3-piece for Storm Manhole) Casting	Deeter Foundry, Inc.	1188
		EJ	1796Z , 1796W , 1040A
		Neenah Foundry	R-1673-B
6010, 2.10, C, 1	SW-602, Type G (In-slab for Storm Manhole) Casting	Deeter Foundry, Inc.	1158
		EJ	2800Z , 1040A
		Neenah Foundry	R-5902
6010, 2.10, C, 2	SW-603, Type Q (Driveway) Grate	Deeter Foundry, Inc.	2060
		EJ	7030Z , 7030M1 , T1
		Neenah Foundry	R-3290-A
6010, 2.10, C, 2	SW-603, Type R (Curb Inlet with Vane) Grate	Deeter Foundry, Inc.	2047-L or V
		EJ	7030Z , 7030M4 , M6, T1
		Neenah Foundry	3067-L , V, VB

SUDAS Specifications Section 6010 - Structures for Sanitary and Storm Sewers (Continued)

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
6010, 2.10, C, 2	SW-604, Type 3A (Beehive for 18" RCP Riser) Grate	Neenah Foundry	R-4351-1300
6010, 2.10, C, 2	SW-604, Type 3B (Beehive for 24" RCP Riser) Grate	Deeter Foundry, Inc.	1966
		EJ	1040O2
		Neenah Foundry	R-0000-0078
6010, 2.10, C, 2	SW-604, Type 4A (Flat-Round for 18" RCP Riser) Grate	Deeter Foundry, Inc.	4514
		Neenah Foundry	R-4370-0200
6010, 2.10, C, 2	SW-604, Type 4B (Flat-Round for 24" RCP Riser) Grate	Deeter Foundry, Inc.	4516
		EJ	1040M
		Neenah Foundry	R-2401-0002
6010, 2.10, C, 2	SW-604, Type 4C (Flat-Round for 30" RCP Riser) Grate	Deeter Foundry, Inc.	4518
		EJ	1320M
		Neenah Foundry	R-2580-0003
6010, 2.10, C, 2	SW-604, Type 4D (Flat-Round for 36" RCP Riser) Grate	Deeter Foundry, Inc.	4520
		EJ	1580M
		Neenah Foundry	R-6118-0005
6010, 2.10, C, 2	SW-604, Type 5 (Stool-Type for 24" to 30" RCP Riser) Grate	EJ	6488
		Neenah Foundry	R-4341-A
6010, 2.10, C, 2	SW-604, Type 6 (30" x 42" Rectangular Grate for Rectangular Area Intake) Grate	Deeter Foundry, Inc.	2061
		EJ	V-5665
		Neenah Foundry	R-1878-B7G
6010, 2.10, C, 3	Manhole Casting Extension Ring	EJ	Riser Rings
		Neenah Foundry	R-1979 Series
6010, 2.11, A, 1	External Chimney Seal	Cretex Specialty Products	Classic External Chimney Seal
6010, 2.11, A, 2	Internal Chimney Seal	Cretex Specialty Products	Classic Internal Chimney Seal
		Trelleborg Pipe Seals	DrainFlexRib Manhole Chimney Seal
6010, 2.11, A, 3	Molded Shield Infiltration Barrier	Strike Products	I/I Barrier
6010, 2.11, A, 4	Heat Shrink Sleeve Infiltration Barrier	CCI Pipeline Systems	WrapidSeal

SUDAS Specifications Section 6020 - Rehabilitation of Existing Manholes

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
6020, 2.01, A	Rubber Chimney Seal	Refer to products for Section 6010	
6020, 2.01, B	Urethane Chimney Seal	Sealing Systems Inc.	Flex-Seal
6020, 2.02	In-Situ Manhole Replacement, Cast-In-Place Concrete	Action Products Marketing Corp.	PermaForm
6020, 2.03	Centrifugally Cast Cementitious Mortar Liner with Epoxy Seal	Action Products Marketing Corp.	PermaCast

SUDAS Specifications Section 7030 - Sidewalks, Shared Use Paths, and Driveways

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
7030, 2.05	Neoprene Modified Asphalt Adhesive for Brick	Karnak Corporation	237-2% Neo-Asphalt
		Solar Compounds Corporation	Solarite MC-1571
7030, 2.07	Detectable Warnings	Armor Tile	Armor Tile
		Neenah Foundry	Detectable Warning Plates
		EJ	Detectable Warning Plates
		ADA Solutions, Inc.	Cast-in-place Replaceable Cast-in-place Tactile Surface Cast-in-place Radius Surface Applied

SUDAS Specifications Section 9010 - Seeding

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
9010, 2.07, B, 3	Mechanically Bonded Fiber Matrix (MBFM)	Profile Products, LLC	Flexterra

SUDAS Specifications Section 9040 - Erosion and Sediment Control

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
9040, 2.02	Compost Blanket and Filter Berm Tackifier	Rexius, Inc.	Microblend
9040, 2.04	Filter Sock	Filtrexx	SiltSoxx
9040, 2.05, A, 1, c	RECP Type 1.C	North American Green Tensar	RollMax EroNet DS75
9040, 2.05, A, 2, d	RECP Type 1.D	North American Green Tensar	RollMax EroNet DS150
9040, 2.05, A, 2, c	RECP Type 2.C	North American Green Tensar	RollMax EroNet S75
		North American Green Tensar	RollMax EroNet S75BN
		Propex	Landlok S1
		Propex	Landlok S2
9040, 2.05, A, 2, d	RECP Type 2.D	North American Green Tensar	RollMax EroNet S150
		North American Green Tensar	RollMax BioNet S150BN
9040, 2.05, A, 3, b	RECP Type 3.B	North American Green Tensar	SC150
		North American Green Tensar	RollMax BioNet SC150BN
		Propex	Landlok CS2
9040, 2.05, A, 4	RECP Type 4	North American Green Tensar	RollMax EroNet C125
		North American Green Tensar	RollMax BioNet C125BN
		Propex	Landlok C2
9040, 2.06	Wattles	California Straw Works	Straw Wattles
		Earthsaver Erosion Control Products	Rice Straw Wattles
9040, 2.07, A	Synthetic Permeable Check Dam (HDPE)	Nilex, Inc.	Georidge
		Cascade Geotechnical, Inc.	EnviroBerm
9040, 2.07, B	Triangular Foam Check Dam	Triangular Silt Dike Company	Triangular Silt Dike
9040, 2.16, B, 3	Hydromulch (MBFM)	Profile Products, LLC	Flexterra

SUDAS Specifications Section 9040 - Erosion and Sediment Control (Continued)

Location	Item Description	Manufacturer / Supplier	Product Name or Model No.
9040, 2.17, A, 1	TRM Type 1	American Excelsior Company	Recyclex-TRM-V
		Colbond	Enkamat 7010
		Colbond	Enkamat 7020
		North American Green Tensar	RollMax EroNet P300
		North American Green Tensar	P300LW
9040, 2.17, A, 2	TRM Type 2	American Excelsior Company	Recyclex-TRM
		North American Green Tensar	RollMax Vmax C350
		North American Green	RollMax Vmax SC250
		Propex	Landlock 1051
		Propex	Landlock 450
9040, 2.17, A, 2	TRM Type 3	Colbond	Enkamat R45
		North American Green Tensar	RollMax Vmax P550
		Propex	Landlock 300
9040, 2.17, A, 3	TRM Type 4	Propex	Pyramat
9040, 2.18, A	Drop-In Inlet Protection	Wimco	Road Drain Curb and Gutter
		Royal Environmental Systems, Inc.	InfraSafe 2' x 3' Debris Collection Device
9040, 2.18, B	Surface-Applied Inlet Protection	Geo-Synthetics, Inc.	Dandy Inlet Protection Filter
		Geo-Synthetics, Inc.	Gutterbuddy Inlet Protection Filter
		Silt Saver, Inc.	SS-400
9040, 2.19	Flow Transition Mat	Hanes Geo Components	ScourStop