CITY ENGINEER'S ESTIMATED UNIT PRICES

FOR CONTRACT ITEMS 2018

(INCLUDING AMENDMENT 1)

TIM KELLER, MAYOR

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COVER LETTER FOR CONTRACT ITEMS 2018

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CITY OF ALBUQUERQUE

August 15, 2018

Re: 2018 City Engineer's Unit Prices – Amendment No. 1

Dear Albuquerque Consultants and Developers:

Effective immediately, estimates for financial guaranties shall not use the 100-series unit prices for asphalt pavements. These bid items are being removed from the *2018 City Engineer's Estimated Unit Prices* due to insufficient data, and shall not be used. **The 336-series unit prices must be used for asphalt pavements.**

All other items in the 2018 price guide shall remain unchanged.

Thank you.

Sincerely,

Shahab Biazar, P.E.
City Engineer

8/15/18
Date

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

CITY OF ALBUQUERQUE

March 12, 2018

RE: CITY ENGINEER'S ESTIMATED UNIT PRICES FOR CONTRACT ITEMS 2018

To whom it may concern:

The attached document represents the most recent update to the City Engineer's Unit Price Listing (Unit Price List), superseding all previous editions. Unit prices are based on an evaluation of bid data received by the City Department of Municipal Development for City Capital Implementation Projects from June, 2011 through February, 2018, and some local government pricing was also used in the analysis for certain items that were lacking data. Information collected for each bid item over this period include (a) bid unit price, (b) bid quantity, and (c) year of bid data.

The Unit Price List will continue to be used as the primary source to estimate the construction cost of public infrastructure for financial guarantee amounts as required by the City's Subdivision Ordinance. The Unit Price List is also intended to serve as a resource for consultants, contractors, and others in estimating construction costs associated with public infrastructure projects during the planning, design, and bid phases. A factor of 125% will be applied to these prices for financial guarantee determinations. Unit prices do not include gross receipts tax. It remains the responsibility of the user to verify that the values in the Unit Price List are appropriate for the project.

Please direct inquiries and feedback regarding the Unit Price List to Jeanne Wolfenbarger, PE at (505) 924-3993.

Sincerely,

Shahab Biazar, PE
City Engineer
Planning Department
Development Review Services

Attach: Unit Price List

PO Box 1293

Albuquerque

NM 87103

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CITY ENGINEER'S ESTIMATED UNIT PRICES
FOR CONTRACT ITEMS 2018
CITY OF ALBUQUERQUE, NEW MEXICO

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2018 City Engineer's Estimated Unit Prices

Item #	Short Description	Description	Unit	Unit Cost
	JOB OVERHEAD			
4.01	STAKING	Construction Staking, Complete	%	1.43
4.02	SURVEY	Construction Surveying, compl.	%	0.74
6.01	CONST SIGN	Construction Project Sign, per Contract special provisions	EA	$ 636.93
6.05	MOB	Construction Mobilization, compl.	%	4.26
6.06	DEMOB	Construction Demobilization, compl.	%	0.30
19.01	TRAFF CONT & BARR	Construction Traffic Control & Barricading, compl.	%	3.43
30.01	FLOOD PROTECTION	Flood Protection, compl.	%	0.37
30.02	NPDES PERMITTING	NPDES Permitting, compl.	%	0.63
	SECTION 100 (DELETED)			
	SECTION 200			
201.01	SITE CLEAR & GRUB	Site Clearing and Grubbing, compl.	AC	$ 1,450.00
201.012	REMOVE EXST VEGTN	Remove existing vegetation from existing gravel to remain	SY	$ 1.06
201.014	REMOVE EXST GRAVEL	Remove existing gravel, clean and stockpile for use in gabion baskets	SF	$ 1.00
201.016	REMOVE EXST COBBLE	Remove existing cobble from slopes, clean and sift, and redistribute on-site, including weed barrier, complete	SF	$ 1.06
201.02	TREES 12"-30" CIRC., R&D	Trees,12" to 30" circumference, Remove & Dispose, compl.	EA	$ 750.00
201.03	TREES, >30"-75" CIRC., R&D	Trees,over 30" to 75" circumference, Remove & Dispose, compl.	EA	$ 1,200.00
201.04	TREES, >75", R&D	Trees, over 75" circumference, Remove & Dispose, compl.	EA	$ 1,325.00
201.051	DST CNTRL DRFT FNCE	Dust Control Drift Fence, 4' high w/ 6' steel posts at 12' on center, cip.	LF	$ 2.98
201.06	EROSION CONTROL	Erosion Control, incl. all plant, labor, equip., & materials, excl. silt fence, cip.	%	$ 0.16
201.061	EROS CNTRL SILT FNCE	Erosion Control Silt Fence, 3' high, w/ 5' steel posts @ 10' on center,cip.	LF	$ 1.50
202.01	EXCAV & DISP, U, >2'	Excavate & Dispose Unclassified Material, more than 2'deep, for roadways, compl.	CY	$ 7.75
202.011	EXCAV & DISP, UNSUT MAT	Excavate & Dispose of unsuitable material,compl.	CY	$ 10.00
202.02	ROCK, BLAST, EXCAV & DISP	Rock, blast, excavate & dispose, compl.	CY	$ 38.00

2018 City Engineer's Estimated Unit Prices

204.01	FILL, EXCAV, BF & COMP, U, >2'	Fill, construction, incl. excavation, placement & compaction of unclassified material, over 2 ft. deep, cip.	CY	$	11.50
205.01	FILL, BORROW, HAUL & COMP	Borrow, Hauling & Compaction of suitable fill material when not obtained from within limits of construction, compl.	CY	$	10.00
207.01	LEAN FILL	Lean Fill, cip	CY	$	109.05
207.019	LEAN FILL, ABANDONED UTILITIES	Sanitary, water and storm drain lines, Fill with lean fill, complete.	CY	$	119.12
	SECTION 300				
301.01	GRADING, <2'	Grading areas not to be paved, with less than 2' excavation, compl.	SY	$	4.50
301.011	GRADING AREAS NOT TO BE PAVED	Any combination of cut/fill and/or balance and/or grading. Less than 2' excav., no import or export of material. CIP at 95% compaction	SY	$	2.45
301.02	SUBGRADE PREP, 12"	Subgrade Prep. 12" at 95% compaction, cip	SY	$	2.50
301.022	SUBGRADE PREP, 8"	Subgrade Prep., 8" at 95% compaction, cip.	SY	$	2.47
301.025	SUBGRADE PREP, 12" w/ EXIST AC PAV	Subgrade Prep. 12" at 95% compaction, using existing pulverized & mixed Asphalt pavement, cip	SY	$	4.41
301.028	IMPORTED SUBGRADE MATERIAL	Imported subgrade material 6" thick, place and compact. CIP	SY	$	0.54
301.03	SUBGRADE PREP, 6"	Subgrade Prep. 6" at 95%, compaction, cip.	SY	$	1.99
302.01	ABS, 6"	Aggregate Base Course, crushed, 6" at 95% compaction, cip. SD 2408	SY	$	7.00
302.015	ABS, 4"	Aggregate Base Course, crushed, 4" at 95% compaction, cip. SD 2408	SY	$	5.50
302.02	ABS, 6"	Aggregate Base Course, crushed, 6" at 95% compaction, cip. SD 2408	TON	$	6.01
308.01	NAT GRVL SF, 6"	Natural Gravel Surfacing, 6" thick, 95% compaction, cip.	SY	$	6.93
329.01	PM SC, 5/8"	Seal Coat, plant mix, 5/8" thick, cip. SD 2408	SY	$	4.78
331.01	SFC PREP, AC OVRLY	Surface Prep. , Asphalt Concrete Pavement Overlay, cip.	SY	$	1.88
336.01	PRIME CT	Prime Coat, emulsified asphalt, cip.	SY	$	0.52
336.021	ASP CONC, Superpave, 1-1/2", M	Asphalt Concrete, 1-1/2 inch thick, superpave	SY	$	7.60
336.022	ASP CONC, Superpave, 2", M	Asphalt Concrete, 2 inch thick, superpave	SY	$	12.15
336.023	ASP CONC, Superpave, 2-1/2", M	Asphalt Concrete, 2-1/2 inch thick, superpave	SY	$	12.95
336.024	ASP CONC, Superpave, 3", M	Asphalt Concrete, 3 inch thick, superpave	SY	$	17.00
336.025	ASP CONC, Superpave, 3-1/2", M	Asphalt Concrete, 3-1/2 inch thick, superpave	SY	$	17.94
336.05	BIKE ASP CONC, TRAIL, 2"	Bike Trail Asphalt Concrete, superpave, 2" thick, cip.	SY	$	13.00
336.079	ASPHALT CONC., Placement, 2"	Asphalt Conc., placement, 2" thick, arterial gradation SP-III or SP-IV **without machine** laydown, materials paid separately, CIP	SY	$	16.25
336.08	ASPHALT CONC., Placement 3"	Asphalt Conc., placement, 3" thick, arterial gradation SP-III or SP-IV **without machine** laydown, materials paid separately, CIP	SY	$	34.73
336.12	TK CT	Tack Coat, cationic emulsified asphalt, cip.	SY	$	0.30
337.02	6" PCC PVMT	Concrete Pavement, 6" thick, Portland Cement Concrete with fly ash, cip. SD 2411	SY	$	70.20
337.04	8" PCC PVMT	Concrete Pavement, 8" thick, Portland Cement Concrete with fly ash, cip. SD 2407	SY	$	75.00
337.05	9" PCC PVMT	Concrete Pavement, 9" thick, Portland Cement Concrete with fly ash, cip. SD 2407	SY	$	94.22

2018 City Engineer's Estimated Unit Prices

340.01	SDWK, 4", PCC	Sidewalk, 4" thick, Portland Cement Concrete, incl. subgrade compaction, cip. SD 2430	SY	$ 40.00
340.02	DRVPD, 6", PCC	Drivepad, 6" thick, Portland Cement Concrete, incl. subgrade compaction, cip. SD 2425	SY	$ 57.50
340.023	WLCHR ACC RAMP, 4" PCC	Wheelchair Access Ramp, 4" PCC, Std. Curb., cip. SD 2418	SY	$ 58.50
340.025	WLCHR ACC RAMP, 4" PCC	Wheelchair Access Ramp, 4" PCC, Std. Curb., cip. SD 2418	EA	$ 1,672.00
340.029	DETECT WARN SURFACE	Detectable Warning Surfaces for ADA Ramps	SF	$ 24.17
340.03	VLY GUT & CURB, PCC	Valley Gutter & Curb, Portland Cement Concrete, incl. reinforcement and subgrade compaction, cip. SD 2420	SY	$ 60.00
340.035	VLY GUT, PCC, REM, DISP & REP	Valley Gutter, Portland Cement Concrete, remove, dispose & replace, cip.	SY	$ 61.24
340.04	ALY GUT, PCC	Alley Gutter, Portland Cement, incl. subgrade preparation, cip. SD 2411	LF	$ 65.00
340.05	C & G, STD, PCC	Curb & Gutter, Standard, Portland Cement Concrete, incl. subgrade preparation, cip. SD 2415	LF	$ 17.95
340.06	C & G, MDN, PCC	Curb & Gutter, Median, Portland Cement Concrete, cip. SD 2408	LF	$ 14.00
340.061	C & G, MOUNT, MDN	Curb & Gutter, mountable median, PC Concrete, incl. subgrade prep., cip. SD 2415	LF	$ 26.73
340.07	PIN CURB, I, PCC	Pinned Curb, Type I, Portland Cement Concrete, cip., SD 2415	LF	$ 3.76
340.08	PIN CURB, II, PCC	Pinned Curb, Type II, Portland Cement Concrete, cip., SD 2415	LF	$ 13.30
340.081	PIN CURB, III & IV, PCC	Pinned Curb, Type III & IV, Portland Cement Concrete, cip., SD 2416	LF	$ 11.28
340.11	HD CURB, PCC	Header Curb, Portland Cement Concrete, incl. subgrade, cip., SD 2415	LF	$ 17.72
340.12	EXTR. CURB, PCC	Concrete Curb, fiber reinforced, Portland Cement Concrete, machine extruded and bonded to pavement, cip.	LF	$ 6.44
340.13	C & G, DEP, PCC	Curb & Gutter, Depressed, Portland Cement Concrete, incl. subgrade prep. , cip.	LF	$ 14.00
340.14	R-D CURB, PCC	Run-Down Curb, Portland Cement Concrete, incl. subgrade prep. , cip.	LF	$ 17.82
340.21	SDWK 24" DRN	24" Sidewalk Drain, cip., SD 2236	EA	$ 1,600.00
340.3	4" MED PVMT, PCC	4" Median Pavement, Portland Cement Concrete, incl. subgrade compaction. cip.	SY	$ 58.00
341.01	AC CURB, M EXTD	Asphalt Concrete Curb, machine extruded, cip., SD 2415	LF	$ 7.18
343.01	AC PVMT, R&D NO SAW	Existing Pavement, Asphalt Concrete, remove & dispose, sawcut not required, any thickness, compl.	SY	$ 6.15
343.02	AC PVMT <4", SAW, R&D	Existing Pavement, Asphalt Concrete, up to 4" thick, sawcut, remove & dispose, compl.	SY	$ 5.80
343.03	AC PVMT, >4", SAW, R&D	Existing Pavement, Asphalt Concrete, more than 4" thick, sawcut, remove & dispose, compl.	SY	$ 8.75
343.04	CONC PVMT, <6", SAW, R&D	Existing Pavement, PC Concrete, up to 6" thick, sawcut, remove & dispose, compl.	SY	$ 12.00
343.05	CONC PVMT, >6", SAW, R&D	Existing Pavement, PC Concrete, more than 6" thick, sawcut, remove & dispose, compl.	SY	$ 15.00
343.07	CURB, AC, REM & DISP	Existing Curb, Asphalt Concrete, remove & dispose, compl.	LF	$ 1.00
343.08	CURB & GUT, PCC, R&D	Existing Curb & Gutter or Valley Gutter, PC Concrete ,remove & dispose, compl.	LF	$ 5.88

2018 City Engineer's Estimated Unit Prices

343.085	SDWK, 4" PCC, R & D	Existing Sidewalk, 4" PC Concrete, remove & dispose	SY	$	8.00
343.09	EXIST. SDWK & DRVEPAD, R&D	Remove and dispose existing PCC sidewalk and drivepad	SY	$	7.84
343.111	RES PVMT,R&R,WO/M,W /SUB	Residential Pavement, Existing, Remove & Replace,Incl. 2" extra asphalt thickness,w/o machine laydown,& with imported subbase or lime stabilized material, any thickness, cip.	SY	$	22.27
343.112	RES PVMT,R&R,W/M	Residential Pavement, Existing, Remove & Replace, incl. 2" extra asphalt thickness, with machine laydown, & with processing existing subbase material, any thickness, cip.	SY	$	118.15
343.113	RES PVMT,R&R,W/M, W/ SUB	Residential Pavement, Existing, Remove & Replace, incl. 2" extra asphalt thickness, with machine laydown, & with imported subbase or lime-stabilized material, any thickness, cip.	SY	$	22.69
343.132	ART PVMT,R&R,W/M	Arterial Pavement, Existing, Remove & Replace, incl. 2" extra asphalt thickness, with machine laydown, & with processing existing subbase material, any thickness, cip.	SY	$	61.43
343.14	SAW AC PVMT, <6"	Sawcut AC Pavement, 6" thickness or less, compl.	LF	$	4.10
343.15	SAW PCC PVMT, <6"	Sawcut PCC Pavement, 6" thickness or less, compl.	LF	$	6.00
344.01	MILLING, PCC, 3/4"	Cold Milling, PC Concrete Pavement, 3/4" thickness, incl. disposal of millings, compl.	SY	$	4.01
344.04	COLD MILL, AC, 2"	Cold Milling, Asphalt Concrete Pavement, 2" thickness, incl. disposal of millings, compl.	SY	$	2.20
346.1	TXT PVMT, 4" CLOR, PCC	Textured Median Pavement, 4 " thick, Colored PC Concrete,incl. subgrade compaction, cip. SD 2408	SF	$	7.30
346.11	4" MED PVMT, CLR, PCC	Median Pavement, 4" thick, Colored PC Concrete, incl. subgrade compaction, cip.	SF	$	6.81
347.01	BRICK SW, SAND BED	Brick Sidewalk on Sandbed, incl. subgrade prep. & header brick, cip.	SF	$	42.31
	SECTION 400				
401.01	GRRL, W/PST	Guard Rail, with posts, metal beam, except end anchors, cip.	LF	$	27.25
401.02	GRRL ANCH-A	Guard Rail End Anchor, Type A, cip. SD 2600	EA	$	1,729.38
401.06	GRRL, REM & DIS	Existing Guard Rail, remove & dispose, incl. anchors, compl.	LF	$	8.70
410.01	CHAIN LINK FNC	Chain Link Fence, incl. posts & hardware, cip.	SF	$	4.00
410.02	CHAIN LINK GATE	Gates for Chain Link Fence, incl. all attachments, hardware & anchor posts, cip.	SF	$	6.50
410.03	CH LK FNC, REM & REINST	Existing Chain Link Fence, remove & reinstall, compl.	SF	$	2.42
410.035	CH LK GATE, REM & REINST	Existing Gate for chain link fence, remove & reinstall, compl.	SF	$	21.11
410.04	CN LK FNC, REM & SALV	Existing Chain Link Fence, remove & salvage, compl.	SY	$	1.50
410.05	CN LK FNC, TEMP	Temporary Chain Link Fence, 5' high, provide, install & remove, compl.	LF	$	3.47
410.06	PIPE GATE, 12'	Pipe Gate, 12' wide, cip. SD 2251	EA	$	1,794.69
421.005	SER RIS (SG)	Service Riser (signal), cip.	EA	$	1,038.42
421.006	SER RIS (LT)	Service Riser (lighting), cip.	EA	$	1,158.00
421.01	MET PED (SG)	Meter Pedestal (signal), cip.	EA	$	4,324.92
421.011	MET PED (LT)	Meter Pedestal (lighting), cip	EA	$	5,881.00
421.015	SER CON (SG)	Service Connection (signal), cip.	EA	$	213.00

2018 City Engineer's Estimated Unit Prices

421.016	SER CON (LT)	Service Connection (lighting), cip.	EA	$	600.00
421.021	LT CON CAB 1 M	Lighting Control Cabinet, one circuit, metered, cip.	EA	$	3,055.29
421.022	LT CON CAB 2 UM	Lighting Control Cabinet, two circuit, unmetered, cip.	EA	$	2,895.13
421.024	LT CON CAB 6 UM	Lighting Control Cabinet, six circuit, unmetered, cip.	EA	$	4,112.26
421.025	LT CON CAB 6 M	Lighting Control Cabinet, six circuit, metered, cip.	EA	$	4,780.89
421.105	SER RIS (SG) REM & DISP	Service Riser (signal), Remove & Dispose, compl	EA	$	297.15
421.11	MET PED (SG) REM & SALV	Meter Pedestal (Signal), Remove & Salvage, compl.	EA	$	318.45
421.112	MET PED (SG) REM & DISP	Meter Pedestal (signal), Remove & Dispose, compl.	EA	$	8,685.38
421.116	LT CON CAB REM & DISP	Lighting Control Cabinet, Remove & Dispose, compl.	EA	$	222.70
422.001	TR SG PP 4'	Traffic Signal Pedestal Pole, 4', cip.	EA	$	328.08
422.002	TR SG PP 10'	Traffic Signal Pedestal Pole ,10, cip.	EA	$	701.39
422.003	TR SG PP 13'	Traffic Signal Pedestal Pole, 13', cip.	EA	$	725.00
422.004	TR SG PP 15'	Traffic Signal Pedestal Pole, 15', cip.	EA	$	980.00
422.01	TR SG MA, 15 T2 TR	Traffic Signal Mastarm, 15' Arm, Type II, Trombone, cip.	EA	$	6,681.06
422.012	TR SG MA, 20 T2 TR	Traffic Signal Mastarm, 20' Arm, Type II, Trombone, cip	EA	$	8,212.60
422.013	TR SG MA, 20 T3 TR	Traffic Signal Mastarm, 20' Arm, Type III, Trombone, cip	EA	$	6,846.50
422.014	TR SG MA, 25 T2 TR	Traffic Signal Mastarm, 25' Arm, Type II, Trombone, cip	EA	$	7,450.00
422.015	TR SG MA, 25 T3 TR	Traffic Signal Mastarm, 25' Arm, Type III, Trombone, cip.	EA	$	6,455.00
422.016	TR SG MA, 30 T2 TR	Traffic Signal Mastarm, 30' Arm, Type II, Trombone, cip.	EA	$	9,235.00
422.017	TR SG MA, 30 T3 TR	Traffic Signal Mastarm, 30' Arm, Type III, Trombone, cip	EA	$	8,769.00
422.018	TR SG MA, 35 T2 TR	Traffic Signal Mastarm, 35' Arm, Type II, Trombone, cip.	EA	$	8,637.00
422.019	TR SG MA, 35 T3 TR	Traffic Signal Mastarm, 35' Arm, Type III, Trombone, cip.	EA	$	10,229.00
422.02	TR SG MA, 40 T2 TR	Traffic Signal Mastarm, 40' Arm, Type II, Trombone, cip	EA	$	9,226.00
422.021	TR SG MA, 40 T3 TR	Traffic Signal Mastarm, 40' Arm, Type III, Trombone, cip.	EA	$	10,763.00
422.03	ST LT SA 30' T5 D	Street Light Standard, single arm, 30', (Type V, DAVIT), cip.	EA	$	1,732.01
422.032	ST LT SA 40' T5 D	Street Light Standard, single arm, 40', (Type V, DAVIT), cip.	EA	$	1,851.03
422.038	ST LT DA 40' T5 D	Street Light Standard, double arm, 40', (Type V, DAVIT), cip.	EA	$	2,934.26
422.04	ST LT, <25' with 1 LED	Street Light, Aluminum or Steel Pole, <25', (LED Cobrahead), cip.	EA	$	3,115.99
422.041	ST LT, 25' to 35' with 1 LED	Street Light, Aluminum or Steel Pole, 25'-35', (LED Cobrahead), cip.	EA	$	3,636.60
422.042	ST LT, >35' with 1 LED	Street Light, Aluminum or Steel Pole, >35', (LED Cobrahead), cip.	EA	$	5,063.40
422.05	ORNMTL P & LUM	Ornamental Pole & Luminaire, cip.	EA	$	2,769.00
422.101	TR SG PP REM & SALV	Traffic Signal Pedestal Pole, any size, Remove & Salvage, compl.	EA	$	244.00
422.102	TR SG PP REM & REL	Traffic Signal Pedestal Pole, any size, Remove & Relocate, compl.	EA	$	400.00
422.11	TR SG MA REM & SALV	Traffic Signal Mastarm, any size, Remove & Salvage, compl.	EA	$	860.00
422.111	TR SG MA REM & REL	Traffic Signal Mastarm, any size, Remove & Dispose, compl.	EA	$	1,895.65
422.13	ST LT REM & SALV	Street Light Standard, any size, Remove & Salvage, compl.	EA	$	277.04
422.132	ST LT REM & DISP	Street Light Standard, any size, Remove & Relocate, compl.	EA	$	651.00
423.001	TR SG FD PP	Traffic Signal Foundation for Pedestal Pole, cip.	EA	$	482.50
423.002	TR SG MA FD	Traffic Signal Mastarm Foundation, cip.	EA	$	1,383.00
423.003	TR SG CT FD (MP)	Traffic Signal Controller Foundation,(Type M & P Cabinet), cip.	EA	$	461.00
423.005	TR SG FD SC	Traffic Signal Foundation for Splice Cabinet, cip.	EA	$	386.00
423.02	LUM FD <40'	Luminaire Foundation for Luminaire Height of 40' or less, cip.	EA	$	697.16
423.021	LUM FD >40'	Luminaire Foundation for Luminaire Height of 40' or more, cip.	EA	$	641.17

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423.101	TR SG MA FD REM & DISP	Traffic Signal Foundation Mastarm, Remove & Dispose, compl.	EA	$	616.50
423.102	TR SG FD S CAB REM & DIS	Traffic Signal Foundation, for Pedestal Pole & Splice Cabinet, Remove & Dispose, compl.	EA	$	358.00
423.103	TR CONT FD REM & DIS	Traffic Controller Foundation, Remove & Dispose, cip.	EA	$	450.00
423.121	ST LT FD REM & DISP	Street Light Foundation, Remove & Dispose, compl.	EA	$	362.00
424.005	EL CON 2" TBP	Electrical Conduit, 2", incl. trenching, backfill,& patching, cip.	LF	$	5.40
424.006	EL CON 2" TBP & PBJ	Electrical Conduit, 2", incl. trenching, backfill, patching, pushing, boring, & jacking,cip.	LF	$	6.55
424.007	EL CON 2" PBJ	Electrical Conduit, 2", incl., pushing, boring, & jacking,cip.	LF	$	7.82
424.01	EL CON 3" TBP	Electrical Conduit, 3", incl. trenching, backfill,& patching, cip.	LF	$	7.05
424.011	EL CON 3" TBP & PBJ	Electrical Conduit, 3", incl. trenching, backfill, patching, pushing, boring, & jacking,cip.	LF	$	7.75
424.012	EL CON 3" PBJ	Electrical Conduit, 3", incl., pushing, boring, & jacking,cip.	LF	$	5.60
424.101	EL CON REM & DISP	Electrical Conduit, any size, Remove & Dispose, compl.	LF	$	16.30
425.002	EL PB (STD)	Electrical Pull Box, (standard), cip.	EA	$	407.00
425.003	EL PB (LG)	Electrical Pull Box, (large), cip.	EA	$	507.70
425.004	EL PB TYPE C	Electrical Pull Box, Type C, cip.	EA	$	713.00
425.01	SP CAB	Splice Cabinet, cip	EA	$	2,622.74
425.011	SP CAB GR MT (SM)	Splice Cabinet Ground Mount, (small), cip	EA	$	1,391.89
425.012	SP CAB GR MT (LG)	Splice Cabinet Ground Mount, (large), cip	EA	$	2,395.16
425.02	TR SG MH	Traffic Signal Manhole, cip.	EA	$	977.00
425.021	SP VLT ITS	ITS Splice Vault, cip.	EA	$	1,921.45
425.1	EL PB ADJ	Electrical Pull Box, any type, Adjust to grade, cip.	EA	$	240.62
425.101	EL PB, REM & DISP	Electrical Pull Box, any type, Remove & Dispose, compl.	EA	$	101.16
425.102	EL PB, REM & REL	Electrical Pull Box, any type, Remove & Relocate, cip.	EA	$	341.03
425.11	SP CAB, REM & SALV	Splice Cabinet, Remove & Salvage, compl.	EA	$	246.00
426.001	SING COND 2	Single Conductor, #2, cip.	LF	$	2.00
426.003	SING COND 6	Single Conductor, #6, cip.	LF	$	1.17
426.004	SING COND 8	Single Conductor, #8, cip.	LF	$	1.00
426.005	SING COND 10	Single Conductor, #10, cip.	LF	$	0.83
426.006	SING COND 12	Single Conductor, #12, cip.	LF	$	0.89
426.01	MULT-COND 5	Multi-Conductor Cable, #5, cip.	LF	$	1.22
426.011	MULT-COND 7	Multi-Conductor Cable, #7, cip.	LF	$	1.47
426.013	MULT-COND 12	Multi-Conductor Cable, #12, cip.	LF	$	2.23
426.014	MULT-COND 20	Multi-Conductor Cable, #20, cip.	LF	$	3.38
426.02	COM CABL 6 PR	Communication Cable, 6 Pair, cip	LF	$	2.23
426.021	COM CABL 12 PR	Communication Cable, 12 Pair, cip	LF	$	2.21
426.101	EX WIRE, REM & DISP	Existing Wiring, Remove & Dispose, compl	LS	$	1,270.00
427.001	1 SEC TSA	1 Section Traffic Signal Assembly, cip.	EA	$	199.00
427.002	3 SEC TSA	3 Section Traffic Signal Assembly, cip.	EA	$	581.00
427.004	5 SEC TSA	5 Section Traffic Signal Assembly, cip.	EA	$	916.00
427.022	PED SIG (INCAN)	Pedestrian Signal,incandescent, cip.	EA	$	812.86
427.023	PED SIG (LED)	Pedestrian Signal, LED, cip.	EA	$	562.50

427.031	3 SECT BP	3 Section Backplate, cip.	EA	$	84.20
427.033	5 SECT BP	5 Section Backplate, cip.	EA	$	109.50
427.101	TSA REM & SALV	Traffic Signal Assembly, any type, Remove & Salvage, compl.	EA	$	56.18
427.104	PED SIG REM & RELOC	Pedestrian Signal, any type, Remove & Relocate, compl.	EA	$	124.52
427.121	PED SIG REM & SALV	Pedestrian Signal, any type, Remove & Salvage, compl.	EA	$	48.59
427.2	INTERN ILLUM STREET SIGN	Internally Illuminated Street Sign, cip.	EA	$	2,273.16
428.001	LP VEH DTR	Loop Vehicle Detector, cip.	EA	$	265.00
428.01	PSH BTN STA	Push Button Station, cip.	EA	$	332.00
428.011	PSH BTN STA, REM & SALV	Push Button Station, Remove & Salvage, compl.	EA	$	56.18
428.012	PSH BTN STA, REM & REL	Push Button Station, Remove & Dispose, compl	EA	$	140.23
428.022	DCT LP DTR WR	Ducted Loop Detector Wire, cip.	LF	$	1.00
428.032	PREF DTR LP 6x30	Preformed Detector Loop, 6x30, cip.	EA	$	1,481.53
428.033	PREF DTR LP 6x40	Preformed Detector Loop, 6x40, cip.	EA	$	1,203.77
428.034	PREF DTR LP 6x50	Preformed Detector Loop, 6x50, cip.	EA	$	1,325.68
428.05	LP L/I CBL	Loop Lead-in Cable, cip.	LF	$	1.00
428.06	DTR SAW	Detector Saw Cut, compl.	LF	$	4.66
428.07	PH SEL RK 4C	Phase Selector Rack,4 Channels, cip.	EA	$	291.90
428.071	PH SEL MOD 2C	Phase Selector Module 2 Channel, cip.	EA	$	3,200.00
428.075	OPT DET 1D/1C	Optical Detector 1D/1C, cip.	EA	$	672.00
428.076	OPT DET 2D/1C	Optical Detector 2D/1C, cip.	EA	$	771.61
428.078	OPT DET CABL	Optical Detector Cable, cip.	LF	$	1.14
428.09	MAC VIS SYS	Machine Vision Vehicle Detection System, cip.	EA	$	13,052.54
428.092	VID COAX CABL	Video Coaxial Cable, cip.	LF	$	1.74
428.093	VID POW CABL.	Video Power Cable,cip.	LF	$	3.06
428.094	VID CAM	Video Camera, cip.	EA	$	4,288.58
429.001	TR ACT CONT	Traffic Actuated Controller, cip.	EA	$	3,881.50
429.021	8P DR CONT CAB	8 Phase Dual Ring Controller Cabinet, cip.	EA	$	23,965.48
429.101	SIG CONT REM & SALV	Signal Controller, any type, Remove & Salvage, compl.	EA	$	51.00
429.121	CONT CAB REM & SALV	Controller Cabinet, any type, Remove & Salvage, compl.	EA	$	317.50
429.122	CONT CAB REM & REL	Controller Cabinet, any type, Remove & Relocate, compl.	EA	$	820.20
432.001	RDWY LUM 250S	Roadway Luminaire, Type 250S, cip	EA	$	270.00
432.002	RDWY LUM 400S	Roadway Luminaire, Type 400S, cip.	EA	$	390.00
432.003	RDWY LUM T100S SHOEB	Roadway Luminaire, Type 100S "Shoebox", cip.	EA	$	393.50
432.102	RDWY LUM, REM & REL	Roadway Luminaire, any Type, Remove & Relocate, compl.	EA	$	548.40
432.103	RDWY LUM, REM & DISP	Roadway Luminaire, any Type, Remove & Dispose, compl.	EA	$	48.00
435.006	SM FIB OPT CABLE 6	Single Mode Fiber Optic Cable (6)	LF	$	3.20
435.096	SM FIB OPT CABLE 96	Single Mode Fiber Optic Cable (96)	LF	$	3.20
435.6	SPL CLOS RESPL	Splice Closure Re-Splice, cip.	EA	$	2,742.00
435.701	TERMIN SERV	Terminal Service, cip.	EA	$	1,006.00
435.702	FLD ETHERNET SWTCH	Managed Field Ethernet Switch	EA	$	2,114.16
435.707	TEST TROUBLE EACH	Testing & Troubleshooting, Each	EA	$	2,700.00
435.708	TEST TROUBLE HR	Testing & Troubleshooting, Hour	HR	$	97.90
440.001	REF PNT MRK 4	Reflectorized Painted Marking, 4" width, cip.	LF	$	0.95

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440.002	REF PNT MRK 6	Reflectorized Painted Marking, 6" width, cip	LF	$	0.90
440.01	REF PNT ARW RT	Reflectorized Painted Arrow, Symbol or Word, cip.	EA	$	50.00
440.015	REF PNT MEDIAN NOSE	Reflectorized Paint for Median Nose, cip.	SF	$	1.02
440.035	NON REF PNT MRK	Non-reflectorized Painted Marking, any color or shape, cip.	SF	$	3.38
440.041	ADH MRK TP	Adhesive Marking Tape, cip.	LF	$	1.89
441.001	REF PLAS MRK 4"	Reflectorized Plastic Pavement Markings, 4" width, cip.	LF	$	0.76
441.002	REF PLAS MRK 6"	Reflectorized Plastic Pavement Markings, 6" width, cip.	LF	$	1.00
441.003	REF PLAS MRK 8"	Reflectorized Plastic Pavement Markings, 8" width, cip.	LF	$	1.34
441.004	REF PLAS MRK 12"	Reflectorized Plastic Pavement Markings, 12" width, cip.	LF	$	2.10
441.005	REF PLAS MRK 24"	Reflectorized Plastic Pavement Markings, 24" width, cip.	LF	$	4.00
441.007	TEMP REF PLAS MRK 4"	Temporary Reflectorized Plastic Pavement Markings, 4" width, incl. remove & dispose, cip.	LF	$	1.17
441.01	REF PLAS ARW RT	Reflectorized Plastic Arrow, Right, cip.	EA	$	129.74
441.011	REF PLAS ARW LT	Reflectorized Plastic Arrow, Left, cip.	EA	$	120.74
441.012	REF PLAS ARW TH	Reflectorized Plastic Arrow, Thru, cip.	EA	$	85.00
441.013	REF PLAS ARW TH & R	Reflectorized Plastic Arrow, Thru & Right, cip	EA	$	181.98
441.02	REF PLAS WD ONLY	Reflectorized Plastic Word, Only, cip.	EA	$	136.00
441.021	REF PLAS WD STOP	Reflectorized Plastic Word, Stop, cip.	EA	$	173.50
441.022	REF PLAS WD AHD	Reflectorized Plastic Word, Ahead, cip.	EA	$	152.24
441.024	REF PLAS WD XING	Reflectorized Plastic Word, Xing, cip.	EA	$	107.66
441.031	REF PLAS SYM BIKE	Reflectorized Plastic Symbol, Bicycle, cip	EA	$	210.00
441.032	REF PLAS SYM SHARROW	Reflectorized Plastic Symbol, Bike Sharrow, cip.	EA	$	215.15
441.034	REF PLAS MRK, WD & SYM	Reflectorized Plastic Marking, Word & Symbol, cip	SF	$	4.40
441.04	REF PLAS MRK, ARR SYM WD	Reflectorized Plastic Marking, Arrow, Symbol or Word, cip.	EA	$	125.00
443.101	REM PAV STRP	Removal of Pavement Stripe, any width, painted or plastic, compl.	LF	$	0.80
443.102	REM PAV ARR, SYM, WD	Removal of Pavement Arrow, Symbol, or Word, painted or plastic, compl.	EA	$	68.32
450.001	ALM PNL SGN	Aluminum Panel Sign, cip,	SF	$	19.00
450.01	SQ TB POST	Square Tube Steel Posts & Base Posts for Aluminum Panel Sign, cip.	LF	$	10.00
450.02	PER BAR T3 8'	Permanent Barricade, Type III, 8', cip.	EA	$	461.81
450.101	SGN & POST, REM & SALV	Sign, Post, & Base Post, Remove & Salvage, compl.	EA	$	52.00
450.102	SGN & POST, REM & RELOC	Sign, Post, & Base Post, Remove & Relocate, compl.	EA	$	127.50
	SECTION 500				
501.01	STRUCT, EXCAV/BF & COMP	Excavation, Backfill, and Compaction, related to construction of structures such as box culverts, wing walls, etc., cip.	CY	$	18.00
501.02	DRNG STRUCT, R & D	Existing Drainage Structure or Channel Lining , Reinforced Concrete, Remove & Dispose, compl.	CY	$	150.00
510.1	CUT OFF WALL, PCC	Cut-off Wall, PC Concrete, incl. formwork, cip.	CY	$	469.85
510.11	STR CONC. 4000 RPCC, FORM	Structural, Reinforced PC Concrete, 4000 psi, incl. formwork, cip.	CY	$	614.54
510.12	WALL FTG, RPCC	Wall Footing, Reinforced PC Concrete, incl. formwork, cip.	CY	$	521.19
520.01	STRU STL	Structural Steel, fabricated, incl. welding, cutting, drilling, etc., cip.	LB	$	1.87
540.02	CMU RET WALL, CONC FILL	Concrete Block Masonry Retaining Wall, concrete-filled core, cip.	SF	$	26.00

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540.03	CMU WALL, REM & DISP	Concrete Block Masonry Wall, incl. foundation, remove & dispose, compl.	SF	$	17.30
550.05	GUARD POST	Stationary Guard Post, cip. SD 2250	EA	$	400.00
550.052	GUARD POST, REM & RELOC	Stationary Guard Post, remove & relocate, incl. repainting, cip. SD 2250	EA	$	110.34
550.06	REMOVABLE GRD POST	Removable Guard Post, cip. SD 2250	EA	$	750.00
	SECTION 600				
601.01	EXCAV/BF/COMP, CHNLS	Excavation, Backfill, and Compaction, for Channels, incl. relocation of material and finished grading,cip.	CY	$	30.00
602.01	CHNL LIN 6" RPCC	Channel Lining, 6" thick, Reinforced PC Concrete, cip. SD 2260	SF	$	9.28
602.03	CHNL LIN, 8", RPCC	Channel Lining, 8" thick, Reinforced PC Concrete, cip. SD 2260	SF	$	10.30
602.075	SOIL CEMENT	Soil Cement, cip.	CY	$	58.91
602.076	PORTLAND CEMENT	Portland Cement used in Soil Cement, cip.	TON	$	167.03
602.1	WEEP HOLE, CHAN	Weep Hole in Channel Side Lining,incl. gravel and wire screen, cip.	EA	$	47.62
603.02	GROUTED RIPRAP	Grouted Riprap, cip.	CY	$	200.00
603.03	PLAIN RIPRAP	Plain Riprap, cip.	CY	$	100.00
603.032	INSTALL NEW RIPRAP	Install new riprap lined ditches, complete, including geotextile.	SF	$	13.84
603.034	CONSTRUCT 2' DEEP RIPRAP	Construct 2' deep riprap lined ditch complete, including geotextile.	SF	$	7.40
603.04	GVL FILTER MATL	Gravel Filter Material, delivered, graded, & compacted, cip.	CY	$	43.75
603.05	FILTER CLOTH	Filter Cloth, cip.	SF	$	0.05
603.06	EX RPRP, REM & DISP	Existing Wire-enclosed, grouted or plain riprap, remove & dispose, compl.	CY	$	9.52
605.01	6" SHOTCRETE CHNL LIN	Channel Lining, 6" PCC Shotcrete 4000 psi incl. reinforcement and subgrade preparation	SY	$	73.80
605.02	7" SHOTCRETE CHNL LIN	Channel Lining, 7" PCC Shotcrete 4000 psi incl. reinforcement and subgrade preparation	SY	$	84.80
605.03	8" SHOTCRETE CHNL LIN	Channel Lining, 8" PCC Shotcrete 4000 psi incl. reinforcement and subgrade preparation	SY	$	84.40
	SECTION 700				
701.01	TRCH, BF, 4-15" SAS, <8'	Trenching, Backfilling & Compaction, for 4" to 15" sewer, 8' or less in depth, pipe not incl., compl.	LF	$	16.67
701.02	TRCH, BF, 4-15" SAS, 8-12'	Trenching, Backfilling, & Compaction, for 4" to 15" sewer pipe, over 8' to 12' in depth, pipe not incl., compl.	LF	$	23.95
701.03	TRCH, BF, 4-15" SAS,12-16'	Trenching, Backfilling, & Compaction, for 4" to 15" sewer pipe, over 12' to 16' in depth, pipe not incl.,compl.	LF	$	39.10
701.04	TRCH, BF, 4-15" SAS, >16'	Trenching, Backfilling, & Compaction, for 4" to 15" sewer pipe, over 16' in depth, pipe not incl., compl.	LF	$	64.00
701.1	TRCHG BF, 18-36" SWR, <8'	Trenching, Backfilling, & Compaction, for 18" to 36" sewer pipe, up to 8' in depth, pipe not incl., compl.	LF	$	23.50
701.11	TRCH, BF,18-36" SWR,8-12'	Trenching, Backfilling, & Compaction, for 18" to 36" sewer pipe, over 8' to 12' in depth, pipe not incl., compl.	LF	$	27.50
701.12	TRCH,BF, 18-36" SWR>12-16'	Trenching, Backfilling, & Compaction, for 18" to 36" sewer pipe, over 12' to 16' in depth, pipe not incl., compl.	LF	$	35.00

701.13	TRCH,BF, 18-36" SWR, 16'-20'	Trenching, Backfilling, & Compaction, for 18" to 36" sewer pipe, 16' to 20' in depth, pipe not incl., compl.	LF	$	38.80
701.14	TRCH,BF, 18-36" SWR, > 20'	Trenching, Backfilling, & Compaction, for 18" to 36" sewer pipe, over 20' in depth, pipe not incl., compl.	LF	$	105.78
701.15	TRCH, BF, 42"-60" SWR, <8'	Trenching, Backfilling, & Compaction, 42" to 60" sewer pipe, up to 8' in depth, pipe not incl., compl.	LF	$	25.00
701.16	TRCH, BF, 42"-60" SWR, 8'-12'	Trenching, Backfilling, & Compaction, 42" to 60" sewer pipe, over 8' to 12' in depth, pipe not incl.,compl.	LF	$	28.00
701.17	TRCH, BF, 42"-60" SWR, 12'-16'	Trenching, Backfilling, & Compaction, 42" to 60" sewer pipe,12' to 16' in depth, pipe not incl., compl.	LF	$	47.70
701.2	TRCH, BF, > 60" SWR, 8'-12'	Trenching, Backfilling, & Compaction, over 60" sewer pipe, over 8' to 12' in depth,pipe not incl.,compl.	LF	$	43.00
701.21	TRCH, BF, > 60" SWR, 12'-16'	Trenching, Backfilling, & Compaction, over 60" sewer pipe,12' to 16' in depth, pipe not incl., compl.	LF	$	48.00
701.22	TRCH, BF, > 60" SWR, 16'-20'	Trenching, Backfilling, & Compaction, over 60" sewer pipe, 16' to 20' in depth, pipe not incl., compl	LF	$	80.00
701.23	TRCH, BF, > 60" SWR, > 20'	Trenching, Backfilling, & Compaction, over 60" sewer pipe, over 20' in depth, pipe not incl., compl.	LF	$	130.00
701.3	DEWAT TRENCH	Dewater Trench Excavation, compl.	LF	$	53.00
701.32	BF MATL, SELECT	Backfill Material, Select, incl. compaction, cip.	CY	$	11.14
710.05	BORE/CASING PIPES	Boring & Casing, carrier pipe not incl., cip.	IN-DIA-LF	$	4.70
710.051	CSNG PIPE, 14"	Casing Pipe, 14", incl. spacer & end seals, compl	LF	$	123.62
710.075	VAC POTHOLE, UTILITY LOC, 0-10'	Pothole, 0-10' deep, Vacuum exploratory excavation, incl. pavement removal, disposal & replacement, vertical & Horizontal utility location data, compl.	EA	$	224.14
	SECTION 800				
801.001	4" WL PIPE, w/o FIT	4" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trace wire, trench & Compacted backfill to 6' depth, cip.	LF	$	21.36
801.002	6" WL PIPE, w/o FIT	6" Waterline Pipe excl. fittings,(std. spec. sec. 801), incl. trace wire, trench & Compacted backfill to 6' depth, cip.	LF	$	26.78
801.003	8" WL PIPE, w/o FIT	8" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trace wire, trench & Compacted backfill to 6' depth, cip.	LF	$	35.70
801.004	10" WL PIPE, w/o FIT	10" Waterline Pipe excl. fittings,(std. spec. sec. 801), incl. trace wire, trench & Compacted backfill to 6' depth, cip.	LF	$	36.50
801.005	12" WL PIPE, w/o FIT	12" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trace wire, trench & Compacted backfill to 6' depth, cip.	LF	$	37.30
801.006	14" WL PIPE, w/o FIT	14" Waterline Pipe excl. fittings, (std. spec sec. 801), incl. trace wire, trench & Compacted backfill to 6' depth, cip.	LF	$	50.77
801.007	16" WL PIPE, w/o FIT	16" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trace wire, trench & Compacted backfill, to 6' depth,cip.	LF	$	65.39
801.011	30" WL PIPE, w/o FIT	30" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trace wire, trench & Compacted backfill, to 6' depth, cip.	LF	$	145.87

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801.028	SHOEFLY WL	Temporary Waterline, 2" to 4", incl. installation, flushing, use, & removal, compl.	LF	$	22.74
801.05	EXTRA DEPTH, 4"-14" WL	Extra Trench Depth for 4" to 14" waterlines over 6' in depth, incl. compacted backfill, compl.	VF-LF	$	3.00
801.051	EXTRA DEPTH, 16"-24" WL	Extra Trench Depth for 16" to 24" waterlines over 6' or 7' in depth, incl. compacted backfill, compl.	VF-LF		7.78
801.052	EXTRA DEPTH, >24" WL	Extra Trench Depth for over 24" waterlines, over 8' in depth, incl. compacted backfill, compl.	VF-LF	$	10.64
801.053	EXST WL, 6"-14", w/FIT, REM& REL	Existing Waterline, 6" to 14", with fittings, Remove & Relay, excl. trenching, compl.	LF	$	111.35
801.055	EXST WL, 6"-14", w/FIT, REM & DISP	Existing Waterline, 6" to 14", with fittings, Remove & Dispose, excl. trenching, compl.	LF	$	5.00
801.056	EXST WL, 16"-36", w/FIT, REM&DISP	Existing Waterline, 16" to 36", with fittings, Remove & Dispose, trenching not incl., compl	LF	$	12.23
801.058	PRESS CONN, w/FIT, WL	Pressurized Waterline Connection, all sizes, incl. fittings, compl. SD 2301	EA	$	1,184.22
801.059	NON PRESS CONN, w/FIT, WL	Non-pressurized Connection,existing waterline, all sizes, incl. fittings, compl.	EA	$	1,500.00
801.06	FIT INSERT, 6"-14" DI, WL	Insertion of Ductile Iron MJ fittings into existing waterline,6" to 14", cost of fittings not included, cip.	LB	$	1.07
801.065	DI FIT, MJ, 4"-14", WL	Ductile Iron MJ Fittings, Class 250, 4" to 14" waterline, incl. jointing material, cip	LB	$	3.00
801.066	DI FIT, MJ, 16"-36", WL	Ductile Iron MJ Fittings, Class 250, 16" to 36", waterline, incl. jointing material, cip	LB	$	4.08
801.073	TAP SLV, 6"-12" on 12"WL	Tapping Sleeve, 6"-12" on 12" waterline, incl. jointing material, cip	EA	$	1,074.13
801.074	TAP SLV, 4"-10" on 10"WL	Tapping Sleeve, 4"-10" on 10" waterline, incl, jointing material, cip.	EA	$	913.01
801.075	TAP SLV, 4"-8" on 8" WL	Tapping Sleeve, 4"-8" on 8" waterline, incl. jointing material, cip.	EA	$	751.89
801.076	TAP SLV, 4"-6", on 6"WL	Tapping Sleeve, 4"-6" on 6" waterline, incl. jointing material, cip.	EA	$	577.72
801.078	TEE or WYE, 4"-8", WL	Tee or Wye, 4" to 8" waterline, incl jointing material, cip.	EA	$	556.76
801.08	4" GATE VLV	4" Gate Valve, cip. SD 2333	EA	$	841.50
801.081	6" GATE VLV	6" Gate Valve, cip. SD 2333	EA	$	935.00
801.082	8" GATE VLV	8" Gate Valve,cip. SD 2333	EA	$	1,205.80
801.083	10" GATE VLV	10" Gate Valve, cip. SD 2333	EA	$	1,610.00
801.084	12" GATE VLV	12" Gate Valve, cip. SD 2333	EA	$	3,266.14
801.086	14" BTFLY VLV	14" Butterfly Valve, w/3in operation nut cip. SD 2351	EA	$	4,420.00
801.087	16" BTFLY VLV	16" Butterfly Valve, w/3in operation nut cip. SD 2351	EA	$	6,000.00
801.091	30" BTFLY VLV	30" Butterfly Valve, cip. SD 2352	EA	$	13,362.13
801.101	GT VLV, 4"-12", REM & REL	Gate Valve, 4" to 12", Remove & Relay, compl.	EA	$	346.59
801.102	VLV, 4"-10" REM & SALV	Gate Valve, 4" to 10", Remove & Salvage, compl.	EA	$	515.00
801.104	VLV BOX, REM & DISP	Valve Box, Remove & Dispose, compl.	EA	$	193.65
801.105	VLV BOX A	Valve Box, SD 2326	EA	$	519.00
801.107	VLV BOX, REM & SALV	Valve Box, Remove & Salvage, compl.	EA	$	347.60
801.111	WTR VLV BOX, ADJ	Valve Box, Adjust to Grade, cip.	EA	$	481.00

801.112	WTR VLV, RG & CVR, ADJ	Valve Box, Ring & Cover, Adjust to Grade, cip. SD 2328	EA	$	512.29
801.113	FH, 4'	Fire Hydrant, 4' bury, MJ, incl. blocking & aggregate, cip. SD 2340	EA	$	2,672.75
801.114	FH, 4 1/2'	Fire Hydrant, 4-1/2' bury, MJ, incl. blocking & aggregate, cip. SD 2340	EA	$	3,057.03
801.116	FH EXTN, 6" OR 12"	Fire Hydrant Extension, 6" or 12", cip,	EA	$	660.00
801.118	EXST FH, REM & REL	Fire Hydrant, Existing, Remove & Relay, compl.	EA	$	750.00
801.119	FH, REM & SALV	Fire Hydrant, Existing, Remove & Salvage, compl.	EA	$	423.50
801.121	FH, RECONN	Fire Hydrant, Existing, Reconnect, compl.	EA	$	344.74
801.122	4" TRNS CPLG	4" Transition Coupling, cip. SD 2301	EA	$	83.51
801.123	6" TRNS CPLG	6" Transition Coupling, cip. SD 2301	EA	$	295.66
801.124	8" TRNS CPLG	8" Transition Coupling, cip. SD 2301	EA	$	466.26
801.125	10" TRNS CPLG	10" Transition Coupling, cip. SD 2301	EA	$	379.38
801.126	12" TRNS CPLG	12" Transition Coupling, cip. SD 2301	EA	$	498.83
801.131	PCC BLKG/ENCSMT	Pipe Blocking or Encasement, PC Concrete, cip. SD 2320	CY	$	343.43
801.132	RPCC BLKG/ENCSMT	Pipe Blocking or Encasement, Reinforced PC Concrete, cip. SD 2140	CY	$	120.32
801.15	MJ REST GLND, 4"-8"	Mechanical Joint Restraining Gland, DI & PVC, 4"-8", cip.	EA	$	109.05
801.151	MJ REST GLND, 10"-12"	Mechanical Joint Restraining Gland, DI & PVC, 10"-12", cip.	EA	$	230.00
801.152	MJ REST GLND, 14"-16"	Mechanical Joint Restraining Gland, DI & PVC, 14"-16", cip.	EA	$	150.00
801.155	JNT REST HRNSS, 4"-8"	Joint Restraining Harness, DI & PVC push- on bells, 4"-8",cip.	EA	$	77.75
801.157	JNT REST HRNSS, 10"-12"	Joint Restraining Harness, DI & PVC push- on bells, 10"-12",cip.	EA	$	210.00
801.158	JNT REST HRNSS, 14"-24"	Joint Restraining Harness, DI & PVC push- on bells, 14"-24", cip.	EA	$	446.35
802.3	3/4" SVC LN, REPL & TRNS,	3/4" Service Line Replacement & Transfer, incl. tapping saddle & tubing, cip. SD 2362	EA	$	1,100.00
802.31	1" SVC LN, REPL & TRNS	1" Service Line Replacement & Transfer, incl. tapping saddle & tubing, cip. SD 2362	EA	$	1,411.85
802.32	1-1/2" SVC LN, REPL & TRNS	1-1/2" Service Line Replacement & Transfer, incl. tapping saddle & tubing, cip. SD 2363	EA	$	1,905.72
802.33	2" SVC LN, REPL & TRNS	2" Service Line Replacement & Transfer, incl. tapping saddle & tubing, cip. SD 2363	EA	$	2,201.85
802.34	3/4" WTR MTR, RELOC	3/4" Water Meter Relocation, cip, SD 2362	EA	$	288.82
802.35	1" WTR MTR, RELOC	1" Water Meter Relocation,cip. SD 2363	EA	$	722.06
802.36	1-1/2" WTR MTR, RELOC	1-1/2" Water Meter Relocation, cip. SD 2363	EA	$	1,252.54
802.37	2" WTR MTR, RELOC	2" Water Meter Relocation, cip. SD 2363	EA	$	1,365.00
802.4	WTR MTR BOX, ADJ	Water Meter Box , Adjust to grade, compl.	EA	$	512.29
802.41	3/4" SVC LN TRNS @ WL	3/4" Service Line Transfer at waterline, incl. tapping saddle & tubing, cip. SD 2362	EA	$	172.59
802.42	1" SVC LN TRNS @ WL	1" Service Line Transfer at waterline, incl. tapping saddle & tubing, cip. SD2363	EA	$	214.83
802.45	3/4"-1" WTR MTR BOX, REHAB	Water Meter Box., 3/4" to 1", Rehab., excl. meter, cip, SD 2366	EA	$	970.00
802.46	1-1/2"-2" WTR MTR BOX, REHAB	Water Meter Box, 1-1/2" to 2", Rehab. excl. meter, cip. SD 2367	EA	$	1,906.00
802.5	3/4"-1" WTR MTR BOX	Water Meter Box, 3/4" to 1", incl. concrete pad, cover & lid, cip., SD 2366	EA	$	668.84

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802.51	1-1/2"-2" WTR MTR BOX	Water Meter Box, 1-1/2" to 2", incl. concrete pad, cover & pad., SD 2367	EA	$	700.00
802.57	WTR MTR BOX, REM & REP	Water Meter Box, Remove & Replace, incl. cover & lid, compl.	EA	$	1,535.86
802.6	3/4" WTR SVC, SGL	3/4" Water Service Line, new single connection to existing watermain, cip. SD 2362	EA	$	625.74
802.62	1" WTR SVC, SGL	1" Water Service Line, new single connection to existing watermain, cip. SD 2362	EA	$	1,329.77
802.64	1-1/2" WTR SVC, SS	1-1/2" Water Service Line, new single connection to existing watermain, cip. SD 2363	EA	$	531.91
802.65	2" WTR SVC, SS	2" Water Service Line, new single connection to existing watermain, cip. SD 2363	EA	$	531.91
802.76	3/4" NS WTR LN, SS, NWM	3/4" Water Service Line, new single connection installed with new watermain, cip. SD 2362	EA	$	1,083.00
802.77	3/4" NS WTR LN, DS, NWM	3/4" Water Service Line, new double connection installed with new watermain, cip. SD 2363	EA	$	1,524.85
802.771	3/4" NS WTR LN, DBL	3/4" Water Service Line, new double service with dual 3/4" connection to new watermain, cip. SD 2362	EA	$	1,193.85
802.8	DUAL CK BKFL PRVNT 3/4-1"	Dual-Check Back Flow Preventer in new 3/4" to 1" service yoke.	EA	$	70.02
	SECTION 900				
901.03	8" SAS PIPE	8" Sewer Pipe, (std. spec. sec. 901), furnish & place in open trench, w/ trace wire, cip.	LF	$	16.13
901.04	10" SAS PIPE	10" Sewer Pipe, (std. spec. sec. 901), furnish & place in open trench, w/ trace wire, cip.	LF	$	17.57
901.05	12" SAS PIPE	12" Sewer Pipe,(std. spec. sec. 901), furnish & place in open trench, w/ trace wire, cip.	LF	$	18.68
901.06	15" SAS PIPE	15" Sewer Pipe, (std. spec. sec. 901), furnish & place in open trench, w/ trace wire, cip.	LF	$	18.96
901.07	18" SAS PIPE	18" Sewer Pipe, (std. spec. sec. 901), furnish & place in open trench, w/ trace wire, cip.	LF	$	22.90
901.08	21" SAS PIPE	21" Sewer Pipe, (std. spec. sec. 901), furnish & place in open trench, w/ trace wire, cip.	LF	$	45.50
901.09	24" SAS PIPE	24" Sewer Pipe, (sec. 901), furnish & place in open trench, w/ trace wire,cip.	LF	$	56.20
901.1	27" SAS PIPE	27" Sewer Pipe, (std. spec. sec. 901), furnish & place in open trench, w/ trace wire cip.	LF	$	62.00
901.102	36" SAS PIPE	36" Sewer Pipe, (sec. 901), furnish & place in open trench, w/ trace wire cip.	LF	$	73.49
901.103	42" SAS PIPE	42" Sewer Pipe, (sec. 901), furnish & place in open trench, w/ trace wire, cip.	LF	$	144.76
901.104	48" SAS PIPE	48" Sewer Pipe, (sec. 901), furnish & place in open trench, w/ trace wire, cip.	LF	$	200.43
901.5	MH CONN, <15"	Connect Sewerline to existing manhole,4" to 15" pipe, cip.	EA	$	906.41
901.51	MH CONN, 16" - 36"	Connect Sewerline to existing manhole, 16" to 30" pipe, cip.	EA	$	1,325.00

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901.61	WET CONN, 8"-10" SAS	Wet Connect Sewerline to existing manhole, 8" to 10" pipe,incl.reshaping of inverts & shelves, all types & classes of pipe, compl.	EA	$	750.00
901.62	WET CONN, 12"-15" SAS	Wet Connect Sewerline to existing manhole, 12" to 15" pipe, incl. reshaping of inverts & shelves, all types & classes of pipe, compl.	EA	$	760.00
901.63	PUMP SEWAGE, SAS	Pump Sewage, between manholes because of sewerline replacement or repair, compl.	HR	$	181.16
901.64	MH, VERT DROP, SAS	Vertical Drop at Manhole, incl. pipe & fittings, cip. SD 2116	VF	$	55.68
901.71	4"- 8" SAS, REM & DISP	Sewerline, 4" to 8", Remove & Dispose, trenching not incl. cip. SD 2125	LF	$	10.00
901.72	10"-18" SAS, REM & DISP	Sewerline, 10" to 18", Remove & Dispose, trenching not incl. cip. SD 2125	LF	$	14.00
901.73	20"-48" SAS, REM & DISP	Sewerline, 20" to 48", Remove & Dispose, trenching not incl. cip. SD 2125	LF	$	19.10
901.74	PLUG ABANDONED SEWER LINE ENDS	Plug abandoned sewer line ends with 12" thick CTB, concrete or cement mortar end plugs, per SF	SF	$	10.74
905.03	4" SAS RISER	4" Sewer Service Riser, incl. plastic pipe w/ casing, saddle & conn, cip, SD 2135	LF	$	7.79
905.035	4" DUCTILE SAS PIPE	4" ductile iron gravity sewer service pipe, including trench, saddle, and connection and also inspection fee, cip per LF	LF	$	5.37
905.05	4" NEW SAS SVC	4" New Sewer Service Line, from main to property line, incl. trench, saddle & connection, cip.	EA	$	1,000.00
905.16	TEE, 4", PVC SAS	4" PVC Sewer Service Tee, all pipe sizes, with water tight stoppers, cip.	EA	$	204.19
905.18	4" CD TAP, 8"-15" PVC SAS	4" Core-Drilled Tap, on 8" to 16" PVC sewer pipe, incl. fittings, cip.	EA	$	221.70
905.2	EXST 4" SAS SERV, RECON	Reconnect existing 4" sewer service line to replacement main, incl. first 5' of new service line, cip. SD 2134	EA	$	943.66
910.005	18" RCP, III	18" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LF	$	35.25
910.006	18" RCP, IV	18" Reinforced Concrete Pipe, Class IV, furnish & place in open trench, cip.	LF	$	37.45
910.009	24" RCP, III	24" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LF	$	45.00
910.01	24" RCP, IV	24" Reinforced Concrete Pipe, ClassIV, furnish & place in open trench, cip.	LF	$	45.38
910.013	30" RCP, III	30" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LF	$	58.28
910.014	30" RCP, IV	30" Reinforced Concrete Pipe, Class IV, furnish & place in open trench, cip.	LF	$	61.15
910.017	36" RCP, III	36" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LF	$	72.25
910.019	42" RCP, III	42" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LF	$	96.45
910.02	42" RCP, IV	42" Reinforced Concrete Pipe, Class IV, furnish & place in open trench, cip.	LF	$	100.00

910.021	48" RCP, III	48" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LF	$	128.50
910.022	48" RCP, IV	48" Reinforced Concrete Pipe, Class IV, furnish & place in open trench, cip.	LF	$	139.09
910.023	54" RCP, III	54" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LF	$	189.60
910.024	54" RCP, IV	54" Reinforced Concrete Pipe, Class IV, furnish & place in open trench, cip.	LF	$	197.25
910.025	60" RCP, III	60" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LF	$	203.35
910.026	60" RCP, IV	60" Reinforced Concrete Pipe, Class IV, furnish & place in open trench, cip.	LF	$	223.87
910.027	66" RCP, III	66" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LF	$	221.48
910.028	66" RCP, IV	66" Reinforced Concrete Pipe, Class IV, furnish & drop in open trench, cip	LF	$	226.50
910.029	72" RCP, III	72" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LF	$	250.80
910.03	72" RCP, IV	72" Reinforced Concrete Pipe, Class IV, furnish & place in open trench, cip.	LF	$	289.48
910.032	84" RCP, III	84" Reinforced Concrete Pipe, Class III, furnish & place in open trench, cip.	LF	$	290.00
910.033	84" RCP, IV	84" Reinforced Concrete Pipe, Class IV, furnish & place in open trench, cip.	LF	$	300.00
910.035	90" RCP, IV	90" Reinforced Concrete pipe, Class IV, furnish & place in open trench, cip.	LF	$	323.50
910.037	96" RCP, III	96" Reinforced Concrete pipe, Class III, furnish & place in open trench, cip.	LF	$	394.11
910.038	96" RCP, IV	96" Reinforced Concrete pipe, Class IV, furnish & place in open trench, cip.	LF	$	400.00
910.039	108" RCP, III	108" Reinforced Concrete pipe, Class III, furnish & place in open trench, cip.	LF	$	729.31
910.06	BND, 18" RCP	Bend, 18" RCP, any degree, furnish & install in open trench, cip.	EA	$	1,825.00
910.063	BND, 24" RCP	Bend, 24" RCP, any degree, furnish & install in open trench, cip.	EA	$	1,825.00
910.066	BND, 42"-48" RCP	Bend, 42"-48" RCP, any degree, furnish & install in open trench, cip.	EA	$	2,200.00
910.067	BND, 60" RCP	Bend, 60" RCP, any degree, furnish & install in open trench, cip.	EA	$	4,100.00
910.068	BND, 72" RCP	Bend, 72" RCP, any degree, furnish & install in open trench, cip.	EA	$	3,703.86
910.069	BND, 84" RCP	Bend, 84" RCP, any degree, furnish & install in open trench, cip.	EA	$	7,300.00
910.07	BND, 96"-108" RCP	Bend, 96"-108" RCP, any degree, furnish & install in open trench, cip.	EA	$	6,681.06
910.071	PLUG, 12"-30" RCP	Plug, 12"-30" RCP, furnish & install in open trench, cip.	EA	$	291.23
910.103	DRNG LN REM, 10-18"	Drainline Removal, 10" to 18",excl. trenching, compl.	LF	$	18.08
910.104	DRNG LN REM, 21-48"	Drainline Removal, 21" to 48",excl. trenching, compl.	LF	$	16.85
910.105	DRNG LN REM, >48"	Drainline Removal, greater than 48", excl. trenching, compl.	LF	$	60.00

912.01	18" HPPP	18" High Performance Storm Polypropylene Pipe, furnish & place in open trench, cip.	LF	$ 36.50
912.02	24" HPPP	24" High Performance Storm Polypropylene Pipe, furnish & place in open trench, cip.	LF	$ 51.00
915.01	CTH BSN, A, SG	Catch Basin, Type "A", Single Grate, cip. SD 2201	EA	$ 3,592.35
915.02	CTH BSN, A, DG	Catch Basin, Type "A", Double Grate, cip. SD 2201	EA	$ 5,875.00
915.03	CTH BSN, C, SG	Catch Basin, Type "C", Single Grate, cip. SD 2205	EA	$ 3,495.72
915.04	CTH BSN, C, DG	Catch Basin, Type "C", Double Grate, cip. SD 2205	EA	$ 4,922.95
915.05	CTH BSN, D, SG	Catch Basin, Type "D", Single Grate, cip. SD 2206	EA	$ 4,160.00
915.06	CTH BSN, D, DG	Catch Basin, Type "D", Double Grate, cip. SD 2206	EA	$ 5,450.00
915.07	CTH BSN, REM	Catch Basin, Existing, Remove & Dispose, any type, incl. cleanup, compl., SD 2200	EA	$ 710.00
915.1	MED DP INLET, SGL	Median Drop Inlet, Single Grate, cip.	EA	$ 4,300.00
920.01	MH, 4' DIA, C, <6' D	Manhole, 4' dia., Type "C", less than 6' deep, cip. SD 2101	EA	$ 2,725.00
920.07	MH, 4' DIA, C or E	Manhole, 4' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	EA	$ 3,900.00
920.08	MH, 4' DIA, C or E,>10'-14'D	Manhole, 4' dia., Type "C" or "E", 10' to 14' deep, cip. SD 2101	EA	$ 4,000.00
920.09	MH, 4' DIA, XTRA D,14'-18'D	Manhole, 4' dia.,Type "C" or "E", added cost for each additional foot over 14', cip. SD2101	VF	$ 355.00
920.1	MH, 4' DIA, XTRA D, >18'D	Manhole, 4' dia.,Type "C" or "E", added cost for each additional foot over 18', cip. SD2102	VF	$ 531.91
920.13	MH, 6' DIA, C or E <6' D	Manhole, 6' dia., Type "C" or "E", less than 6' deep, cip. SD2101	EA	$ 4,570.36
920.14	MH, 6' DIA, C or E, 6-10' D	Manhole, 6' dia., Type "C" or "E", 6'-10' deep, cip. SD2101	EA	$ 5,100.00
920.15	MH, 6' DIA, C or E, 10-14' D	Manhole, 6' dia., Type "C" or "E", 10' to 14' deep, cip. SD2101	EA	$ 7,059.32
920.16	MH, 6' DIA, XTRA D,14'-18'D	Manhole, 6' dia., Type "C" or "E", added cost for each foot over 14' deep, cip. SD2101	VF	$ 575.00
920.21	MH, 8'DIA, C or E, 6'-10' D	Manhole, 8' dia. Type "C" or "E", 6' to 10' deep, cip. SD2101	EA	$ 8,900.00
920.22	MH, 8'DIA, C or E, 10'-14' D	Manhole, 8' dia. Type "C" or "E", 10' to 14' deep, cip. SD2101	EA	$ 11,000.00
920.23	MH, 8'DIA, XTRA D, 14'-18' D	Manhole, 8' dia. Type "C" or "E", added cost for each foot between 14' to 18' deep, cip. SD 2101	VF	$ 625.20
920.24	MH, 8'DIA, XTRA D, >18' D	Manhole, 8' dia. Type "C" or "E", added cost for each foot over 18' deep, cip. SD 2101	VF	$ 625.20
920.4	MH F & C, ADJ W/RINGS	Existing Manhole Frame & Cover, adjust to grade with metal rings, 2" or less, cip. SD 2111	EA	$ 524.66
920.41	MH F&C, ADJ W/MSRNY,>2"	Existing Manhole Frame & Cover, adjust to grade with masonry, over 2", cip. SD 2111	EA	$ 532.40
920.42	MH F & C, ADJ W/BARREL	Existing Manhole Frame & Cover, adjust to pavement grade where adjustment of concrete or block barrel is required, cip.	EA	$ 941.00
920.43	MH F & C, REM & REPL.	Existing Manhole Frame & Cover, remove & repl., compl.	EA	$ 1,303.74
920.52	MH, 4', <6' D, REHAB	Existing Manhole, Rehabilitate, 4' dia., less than 6' depth, incl. cleaning, rebuilding benches & leakage testing, cip.	EA	$ 1,890.05
920.521	MH, 4', XTRA D, 6' or >, REHAB	Existing Manhole, Rehabilitate, 4' dia., 6' or more in depth, incl. cleaning, rebuilding benches & leakage testing, additional payment cip.	VF	$ 187.73

920.53	MH FL, 4', REHAB	Existing 4' Manhole Floor, Rehabilitate, all depths, incl. cleaning, grouting, trimming protruding pipe, testing, material & labor, compl.	EA	$	141.89
920.541	MH WALL, 4', XTRA D, 6' or >, REHAB	Existing 4' Manhole Wall, Rehabilitate, 6' or more in depth, incl. cleaning, grouting, trimming protruding pipe, testing, material & labor, additional payment, compl.	VF	$	226.13
920.55	MH, STEPS	Manhole Steps, cip. SD 2229	EA	$	30.00
920.57	MH, REM & DISP	Existing Manhole, Remove & Dispose, all depths, 4' to 6' dia.,cip.	EA	$	887.50
920.58	MH, ABIP, CTB FIL	Existing Manhole, Abandon-in Place, fill with cement treated base material, compacted, all sizes, cip.	EA	$	431.50
925.07	6" PVC SDR21 VAC SAS w/TR	6" PVC, SDR 21 Pipe, for vacuum SAS, with trench & compacted backfill,compl.	LF	$	23.11
925.08	8" PVC SDR21 VAC SAS w/TR	8" PVC, SDR 21 Pipe, for vacuum SAS, with trench & compacted backfill, compl.	LF	$	26.57
925.16	30" VAC VLV PIT & 3" VLV	30" Vacuum Valve and Breather, cip., and furnish 3" AIRVAC Valve to Owner, SD 2165	EA	$	5,083.27
925.19	6" VAC DIV VLV & VLT	6" Vacuum Division Valve & Vault, cip.	EA	$	1,132.18
925.2	8" VAC DIV VLV & VLT	8" Vacuum Division Valve & Vault, cip.	EA	$	1,513.43
925.25	SGL BUF TNK & 3" VLV	Single Buffer Tank, cip., and furnish 3" AIRVAC Valve to Owner, SD 2167	EA	$	6,931.74
925.27	PCC ENC VAC SAS	PC Concrete encasement of Vacuum SAS lines, cip.	CY	$	158.36
930.01	PIPE CLN, PRE-CONST TV INSP, 8"-15"	Pipe Cleaning, Pre-construction TV inspection, removal of obstructions, debris removal & disposal, flow control, traffic control, incidental material & labor, 8"-15", compl.	LF	$	1.94
930.012	PIPE CLN, PRE- CONST TV INSP, 18"-48"	Pipe Cleaning, Pre-construction TV inspection, removal of obstructions, debris removal & disposal, flow control, traffic control, incidental material & labor, 18"- 48", compl.	LF	$	2.56
930.02	REHAB 8" SAS, CLN, TEST & TV	Rehabilitate 8" SAS, incl. bypass pumping, traffic control, incidental material & labor, pipe cleaning, removal of obstructions, debris removal & disposal, flow control, testing, TV inspection, compl.	LF	$	43.90
930.03	SAS TV POST REHAB, <= 42"	TV- Video for Post-rehab. of sewer,all pipe sizes to 42", incl. traffic control, record logs, data quality control, materials, etc., compl.	LF	$	1.07
930.04	RENST SAS LATS	Reinstate SAS laterals, compl.	EA	$	92.72
930.05	SAS CLN, 8"-15"	Sewer Pipe Cleaning, 15" or less, incl. flow control, debris removal & disposal, compl.	LF	$	1.07
930.06	PROT SVC, SAS	Removal of Protruding Sewer Service Connections,incl. pavement removal, disposal & restoration, compl.	EA	$	2,639.29
931.02	PIPE BRST SAS REHAB EX8"-N10"	Pipe Bursting, SAS Rehab, exist 8" to new 10", cip.	LF	$	32.35
931.04	PIPE BRST SAS REHAB EX10"-N12"	Pipe Bursting, SAS Rehab, exist 10" to new 12", cip.	LF	$	115.53
931.07	PIPE BRST SAS REHAB EX15"-N15"	Pipe Bursting, SAS Rehab, exist 15" tonew 15", cip.	LF	$	7,509.38

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940.01	GRT ANN SPACE, POST REHAB	Grout annular space, all pipe sizes, post-pipe rehabilitation, compl.	CY	$ 318.52
	SECTION 1000			
1001.01	IRRGATION SYSTEM INCL, METER	Irrigation system, incl. meter, UEC, controllers, etc., excluding boring, complete	EA	$ 262,316.79
1001.11	ELECTRICAL FOR IRRIGATION	Electrical for irrigation, excluding boring, complete.	LS	$ 10,577.29
1001.21	ELECTRICAL FOR LIGHTING	Electrical for lighting, exliding boring, complete.	LS	$ 84,618.32
1002.11	BORING FOR 1" PVC IRRG	Boring for 1" PVC irrigation or electrical service wire sleeve - including sleeve pipe installation, complete.	LF	$ 26.44
1002.112	BORING FOR 1-1/4" PVC ELECTRICAL	Boring for 1-1/4" PVC electrical service wire sleeve - including sleeve pipe installation, complete.	LF	$ 26.44
1002.114	BORING FOR 3" PVC MAIN LINE	Boring for 3" PVC main line sleeve - including sleeve pipe installation, compete.	LF	$ 26.44
1005.01	TREES, 2" CALIPER DECIDUOUS	Trees 2" caliper deciduous, complete in place.	EA	$ 247.50
1005.02	TREES 5' TALL DECIDUOUS	Trees 5' tall deciduous, complete in place.	EA	$ 185.10
1005.03	TREES, EVERGREEN 8' TALL	Trees evergreen 8' tall complete in place.	EA	$ 338.47
1005.04	TREES, 8' TALL DECIDUOUS	Trees 8' tall deciduous, complete in place.	EA	$ 317.32
1005.11	TREES & SHRUBS, 5 GALLON	Trees and shrubs, 5 gallon complete in place.	EA	$ 31.32
1005.12	SHRUBS, 15 GALLON	Shrubs, 15 gallon, complete in place.	EA	$ 153.50
1005.21	SHRUBS, 1 GALLON	Shrubs, 1 gallon, complete in place	EA	$ 22.39
1005.31	GRAVEL MULCH, 1" BUILDOLOGY	Gravel mulch 1" buildology brown, including filter fabric, complete in place.	SY	$ 10.58
1005.32	GRAVEL MULCH, 2"-4" CANYON GOLD	Gravel mulch 2"-4" canyon gold, including filter fabric, complete in place.	SY	$ 10.58
1005.33	GRAVEL MULCH, 2"-8" GRANITIC SCHIST	Gravel mulch 2"-8" granitic schist, including filter fabric, complete in place	SY	$ 17.98
1005.332	GRAVEL MULCH, 2"-4" SEDONA RED	Gravel mulch 2"-4", sedona red, including filter fabric, complete in place	SY	$ 11.64
1005.334	GRAVEL MULCH, 2"-4" GRANITIC SCHIST	Gravel mulch 2"-4", granitic schist, including filter fabric, complete in place.	SY	$ 23.27
1005.34	GRAVEL MULCH, 4"-8", 50% GRANITIC SCHIST	Gravel mulch 4"-8", 50% granitic schist / 50% sedona red blend crushed rock, including filter fabric, complete in place	SY	$ 20.10
1005.342	GRAVEL MULCH, 4"-8", 70% GRANITIC SCHIST	Gravel mulch 4"-8". 70% granitic schist / 30% sedona red blend crushed rock, inluding filter fabric, complete in place	SY	$ 20.10
1005.344	GRAVEL MULCH, 4"-8",GRANITIC SCHIST	Gravel mulch 4"-8", granitic schist, including filter fabric, complete in place	SY	$ 23.27
1006.01	BOULDER CHECK DAMS	Boulder check dams - including geotextile, complete	LF	$ 211.55
1006.2	GABION RETAINING WALLS	Gabion retaining walls - including teotextile, complete.	CY	$ 793.30

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1006.3	REMOVE ABOVE GRADE SEDIMENT & DEBRIS	Remove above grade sediment and debris from existing culverts and drainage structures, complete.	LS	$	5,288.65
1010.01	SOD, REM & REPL	Lawn Sod, remove & replace, cip.	SF	$	1.87
1010.03	3"-4" PVC PIPE SLEEVES	3"-4" PVC, Irrigation Sleeve, incl. trench & compacted backfill, cip.	LF	$	6.64
1011.01	SEEDING A	Seeding, Class "A", native, cip	AC	$	2,104.00