



County of San Diego

DEPARTMENT OF PUBLIC WORKS Land Development Division Unit Price List

July 2020

Note: Unit Price list will increase annually using the May Engineering and News Report (ENR) CCI Index

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The following list of unit prices is approved for use by the County of San Diego, Department of Public Works in providing general cost estimates for the work normally associated with land development activity.



APPROVED BY: Jeff Moneda, Director

EFFECTIVE DATE: July 2020

REVISION DATE: June 2020

SUNSET DATE: June 2021

NOTE: This list of "pre-approved" unit costs is intended as a tool in creating engineer estimates and improvement agreements. Those wishing to use different costs must provide supporting evidence

justifying those costs. The department will consider the use of other unit costs based upon evidence provided and make a final ruling.

EARTHWORK

ITEM	DESCRIPTION	UNIT	PRICE
Grading	Embankment/ Excavation 0-1000	C.Y.	24.83
	1000-20,000	C.Y.	13.54
	20,001	C.Y.	8.07
	Export or Import 0-1,000	C.Y.	31.59
	1,001 +	C.Y.	24.83
	> 20,000	C.Y.	13.54
	Clearing and Grubbing		S.F.
Erosion Control	Sand/Gravel bag	EA.	3.38
	Jute Mat (not as independent BMP)	S.F.	0.45
	Straw Mat	S.F.	0.31
	Straw bales	EA.	5.65
	Silt Fence	L.F.	1.80
	Fiber rolls	L.F.	3.38
	Wood Fiber Mat	S.F.	0.28
	Coconut Fiber Mat	S.F.	0.45
	Hydro-Seed	S.F.	0.36
	Bonded Fiber Matrix	S.F.	0.09
	Guar binder	S.F.	0.03
	Sub drain	4-6"	L.F.
8"		L.F.	39.50
Subdrain headwall		EA.	2,820.94

LANDSCAPING

ITEM	DESCRIPTION	UNIT	PRICE
PLANTING			
Shrubs	1 Gallon	EA.	6.78
	5 Gallon	EA.	22.57
Slope Planting (Ground Cover)		S.F.	0.54
Slope Planting (Ground Cover + Trees and Shrubs)		S.F.	0.89
Slope Planting (Hydro- seeding)		S.F.	0.14
Tree	5 Gallon	EA.	16.94
	15 Gallon	EA.	95.91

	24" Box	EA.	282.10
	36" Box	EA.	394.93
	48" Box	EA.	733.44
Tree Grate	W/2 frame	EA.	541.62
Tree Maintenance		Tree/ year	225.67
IRRIGATION			
Backflow prevention Assembly	W/Enclosure	EA.	3,554.40
Slope irrigation		S.F.	0.68

STORM DRAIN SYSTEMS

ITEM	DESCRIPTION	UNIT	PRICE
AC Spillway	D-22	EA.	361.08
Box Culvert	P.C.C.	C.Y.	1,241.22
Catch Basin	Type G (D-8)	EA.	5,416.22
	Type F (D-7)	EA.	5,077.70
	Type I (D-29)	EA.	5,416.22
Catch Basin 18"x18"	Brooks Box (PVT)	EA.	282.10
Catch Basin 24"x24"	Brooks (PVT)	EA.	451.35
Cleanouts (Storm Drain)	Type A (D-9)	EA.	5,077.70
	Type B (D-10)	EA.	5,641.89
Concrete	Structural	C.Y.	733.44
Concrete Energy Dissipater	D-41	EA.	9,252.69
Concrete Lug	D-63	EA.	1,241.22
Concrete Pipe Collar	D-62	EA.	2,820.94
Culvert, (Reinforced Concrete Pipe, RCP)	12"	L.F.	62.07
	18"	L.F.	107.20
	24"	L.F.	124.12
	30"	L.F.	135.41
	36"	L.F.	163.62
	42"	L.F.	186.20
	48"	L.F.	197.47
	54"	L.F.	225.67
	60"	L.F.	287.74
	72"	L.F.	327.23
Culvert (PVC Pipe)	4"-6"	L.F.	22.57
	8"-12"	L.F.	39.50
	18"	L.F.	73.35
	24"	L.F.	90.27
	30"	L.F.	101.56
	36"	L.F.	157.98
Culvert (HDPE Pipe)	42"	L.F.	180.54
	12"	L.F.	22.57

	18"	L.F.	73.35
	24"	L.F.	90.27
	30"	L.F.	101.56
	36"	L.F.	157.98
	42"	L.F.	180.54
	48"	L.F.	203.10
Culvert (CMP Pipe)	12"	L.F.	22.57
	18"	L.F.	39.50
	24"	L.F.	73.35
	30"	L.F.	90.27
	36"	L.F.	101.56
	42"	L.F.	112.84
	48"	L.F.	136.23
Curb Inlet	Type A (D-1)	EA.	6,203.81
	Type B (D-2)	EA.	6,203.81
	Type C (D-3)	EA.	6,824.43
Curb Outlet	Type A (D-25)	EA.	2,820.94
Curb outlet, Sidewalk			
Underdrain Pipe	D-27	EA.	564.18
Curtain Wall	D-38	EA.	677.03
	D-72	EA.	732.74
Drainage Channel	P.C.C (D-70 & D-71)	L.F.	1,156.60
Drainage Ditch	D-75	L.F.	28.22
HEC-2 Study and FEMA revision		L.S.	33,851.32
Headwalls	Gravity Type (<60")	EA.	4,231.41
	Gravity Type (>60")	EA.	8,067.90
	Wing Type (<60")	EA.	6,093.24
	Wing Type (>60")	EA.	9,027.02
Inlet Apron	D-39	EA.	2,200.33
Pipe Collar	D-62	EA.	2,820.94
Rip Rap (Energy Dissipater)	D-40 (.25 Ton)	C.Y.	169.26
	(.50 Ton)	C.Y.	180.54
	(1.0 Ton)	C.Y.	191.82
	(2.0 Ton)	C.Y.	203.10
	(4.0 Ton)	C.Y.	225.67

TREATMENT CONTROL BMPS

ITEM	DESCRIPTION	UNIT	PRICE
Filter Insert	Enviro-safe High Capacity	EA.	1,354.05
Bio-Swale		L.F.	5.65
Infiltration trench	Rock Lined	L.F.	5.65
Detention Basin	Small (single lot)	S.F.	3.38
Detention Basin	Large (subdivision)	S.F.	9.03
Hydro-Dynamic separator	CDS or Equal	EA.	9,027.02

SURFACE IMPROVEMENT

ITEM	DESCRIPTION	UNIT	PRICE
A.C Berm (G-5)	4" A.C.	L.F.	9.03
	6" A.C.	L.F.	10.74
	8" A.C.	L.F.	12.42
A.C. Overlay	1"-2"	S.F.	1.13
Alley Apron	G-17	S.F.	9.03
Curb+Gutter	Removal	L.F.	3.38
	Type B-2 (G-6)	L.F.	23.69
	6" Type G (G-2)	L.F.	25.95
	8" Type G (G-2)	L.F.	29.33
	6" Type H (G-2)	L.F.	30.47
	8" Type H (G-2)	L.F.	37.25
	Rolled Curb (G-4)	L.F.	32.17
Curb (G-1)	6"	L.F.	18.05
Cutoff Wall @ End of Pvmnt.	G-22,23	EA.	1,128.39
Gutter (Cross-Gutter)	G-12, G-13	S.F.	9.03
Driveway	G-14 A, B, C	S.F.	7.90
Median,	Stamped concrete	S.F.	5.63
(SDG-112)	Decorative concrete	S.F.	7.33
	Interlocking Pavers	S.F.	11.84
Pavement Design	Schedule J	S.F.	5.65
AC Pavement	Removal	S.F.	3.38
Paving, AC	1" Surface	S.F.	0.92
	2" Surface	S.F.	1.24
	3" Surface	S.F.	1.87
	4" Surface	S.F.	2.47
	5" Surface	S.F.	3.11
Base, (CTB)	4" Surface	S.F.	1.24
	5" Surface	S.F.	1.29
	6" Surface	S.F.	1.55
	8" Surface	S.F.	1.99
	10" Surface	S.F.	2.04
Base, (Class Two)	4" Surface	S.F.	0.79
	5" Surface	S.F.	0.95
	6" Surface	S.F.	1.13
	8" Surface	S.F.	1.29
	10" Surface	S.F.	1.47
Paving P.C.C.	5"	S.F.	5.63
	5.5"	S.F.	6.20
	6"	S.F.	6.78
	8"	S.F.	7.33
	9"	S.F.	8.46

Paving Preparation of Sub grade	-	S.F.	0.45
Ped Ramp	G-27 thru G-30		
	(1-4)	EA.	1,579.72
	4+	EA.	1,354.05
Ped Ramp	Alley (G-31)	EA.	1,805.42
Driveway Ramps	DS-07	S.F.	5.65
	G-14	S.F.	10.15
Sidewalk	Removal	S.F.	1.69
Sidewalk (G-7)	1-5000	S.F.	6.20
	5000+	S.F.	4.96
Trench Resurfacing	G-22, G-24, & G-25	L.F.	28.22

TRAFFIC

ITEM	DESCRIPTION	UNIT	PRICE
Detector Loops		EA.	507.77
Video Detection		Per approach	9,027.02
Pull Box	Type 3	EA.	270.82
	Type 5	EA.	299.03
	Type 6	EA.	310.31
Signal Ahead Flasher		EA.	5,077.70
Remove Striping		L.F.	2.26
Relocate Pull Box		EA.	451.35
Street Light	L.P. Sodium (E-1)	EA.	6,770.27
	H.P. Sodium	EA.	6,770.27
Street Name Sign	SDM-102, DS-13	EA.	451.35
Street Striping	0 – 4000'	L.F.	1.13
	4000' +	L.F.	0.69
Traffic Signal (based on number of lanes at Intersections)	2 x 2 Tee	L.S.	112,837.72
	2 x 2	L.S.	135,405.25
	4 x 2	L.S.	152,330.91
	4 x 4	L.S.	169,256.57
	4 x 6	L.S.	186,182.23
	6 x 6	L.S.	197,466.00
	8 x 6	L.S.	259,526.75
Traffic Control	Estimated improvement	0 – 1,000,000	5%
	Estimated improvement	1,000,000+	3%
Traffic Signal Interconnect		L.F.	22.57

UTILITIES

ITEM	DESCRIPTION	UNIT	PRICE
A- SEWER			
Concrete Anchor	S-9	EA.	1,424.02
Concrete Cradle	8" Sewer	L.F.	15.73
(S-6)	12" Sewer	L.F.	19.85
	15" Sewer	L.F.	22.96
	24" Sewer	L.F.	33.85
	48" Sewer	L.F.	88.30
	Concrete Encasement (SP-07)	8" Sewer	L.F.
(S-7)	10" Sewer	L.F.	32.95
	12" Sewer	L.F.	32.95
	15" Sewer	L.F.	38.76
	24" Sewer	L.F.	56.87
Cutoff Wall	48" Sewer	L.F.	131.41
	Type B, SP-07	EA.	1,663.23
	Manhole	SM-01	EA.
	SM-02	EA.	3,949.31
	4 x 3 w/plastic liner	EA.	4,045.24
	5 x 3 w/plastic liner	EA.	6,234.28
	Locking cover (M-4)	EA.	927.69
Sewer Clean-out (SC-01)		EA.	733.48
Pressure Sewer Pipe	4" PVC Pipe	L.F.	59.47
	6" PVC Pipe	L.F.	80.67
Sewer Access Rd.	4" Decomposed Granite	S.F.	5.93
	Concrete Surface	S.F.	50.79
Sewer Lateral (house connection,SS-09)	4", 30' Long	EA.	1,506.38
	6", 30' Long	EA.	2,832.23
Sewer Main (S-4) * (All materials)	6"	L.F.	78.98
	8"	L.F.	81.46
	10"	L.F.	90.16
	12"	L.F.	100.03
	15"	L.F.	110.46
	18"	L.F.	122.43
* Add 2% for every foot of cover over 5 feet			
B - WATER			
Air & Vacuum valve (WA-02)	1"	EA.	2,031.08
(W-4)	2"	EA.	2,482.42
Blow-off Assembly	2" Type A (WB-01)	EA.	1,073.65

	3" Type A	EA.	1,985.94
Blow-off Assembly	(SDW-106) 2" Type B,C,D(W-7)	EA.	2,327.27
	4" Type B,C,D	EA.	3,469.77
	6" Type B,C,D	EA.	6,420.46
Backflow Prevention Valve		EA.	2,820.94
Fire Hydrant	Relocate	EA.	2,730.67
Fire Hydrant (WF-01)	New, 2-way	EA.	4,344.24
Fire Hydrant	New, 3-way	EA.	4,964.86
Multiple Service Valves	W-23	EA.	682.69
	4"	EA.	682.69
	6"	EA.	1,241.22
	8"	EA.	2,234.18
	10"	EA.	3,537.47
	12"	EA.	4,592.49
	16"	EA.	5,246.96
	8" Pressure, Reducing w/ box	EA.	12,188.73
Water Main (all materials)	WP-02, 4"	L.F.	47.16
	WP-02, 6"	L.F.	62.07
	WP-02, 8"	L.F.	72.00
	WP-02, 10"	L.F.	78.20
	WP-02, 12"	L.F.	86.88
	WP-02, 16"	L.F.	110.46
	WP-02, 20" (CL-150)	L.F.	124.12
Water Service w/ meter	1" w/1 x .75" meter (W-1) (WS-01)	EA.	2,695.70
	1" w/1" meter (W-1) (WS-01)	EA.	2,796.11
	2" w/1.5" meter (W-2) (WS-02)	EA.	3,139.15
	2" w/2" meter (W-2) (WS-02)	EA.	3,233.92
	2-2" w/2-2" meter, manifold	EA.	5,146.54
Water Service w/o Meter	1", WS-01	EA.	2,558.04
	2", WS-02	EA.	2,767.91
	2-2", WS-02	EA.	3,591.62

MISCELLANEOUS

ITEM	DESCRIPTION	UNIT	PRICE
Bridge (Vehicular)		S.F.	310.01
Bridge (Pedestrian)		S.F.	281.82
Crash Cushion	G.R.E.A.T.	EA.	41,484.50
Excavation	For Structures	C.Y.	34.95
Fence	Chain Link, 4'	L.F.	14.09
(M-6)	Chain Link, 5'	L.F.	15.78
	Chain Link, 6'	L.F.	18.04
Guard Rail	Metal Beam		
	(M-30-38)	L.F.	33.85
Guard Post	M-9	EA.	270.82
Guard Barricade	M-9	EA.	507.77
Median Barrier	Type 50, PCC	EA.	61.41
Saw Cut	AC/PCC Pvt.	L.F.	4.51
Shoring	5-10' deep	L.F.	12.62
	11-15' deep	L.F.	19.63
	16-20' deep	L.F.	28.22
Survey Monument	M-10	EA.	902.70
Wall, Retaining	Masonry	S.F.	50.79
	Cast-in-place	C.Y.	761.66
	Gravity	S.F.	33.85
	Crib	S.F.	45.14