



UNIT PRICE LIST

FORM UP-1

(EFFECTIVE JANUARY 2, 2024)

INTRODUCTION

The purpose of this handout, Unit Price List, is to provide a guide for the preparation of cost estimates for private development projects' permits and should be used only for bonding and permitting purposes. This price list does not reflect the actual project costs.

All cost estimates for land development, public, and private improvements must follow the format and requirements of the current City of San Marcos Engineer's Cost Estimate handout. Please note the handout requires a 15% contingency factor applied to all subtotal estimates. All submitted engineer's cost estimates shall be stamped and signed by the engineer of record.

The table of contents listed below is organized by applicable San Diego County Regional Standard Drawing numbers.

The Unit Price List information contained herein has been compiled from various sources and will be updated periodically as needed.

Please contact engineeringdivision@sanmarcosca.gov and/or assigned Land Development division staff with any questions.

HELPFUL LINKS

[Fee Schedule](#)

[Digital Submittal Standards \(Form DS-1\)](#)

[Grading Application \(Form GS-1\)](#)

[Improvement Application \(Form IS-1\)](#)

[Engineering Inspection Package \(Form EI-1 & EI-2\)](#)



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SECTION 1: REMOVALS AND RELOCATIONS

<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
<i>Remove Existing Redwood Header</i>	3.30	LF
<i>Remove Curb and Gutter</i>	9.50	LF
<i>Remove A.C. Dike</i>	9.30	LF
<i>Remove Existing Sidewalk</i>	3.00	SF
<i>Remove Existing Paving/Base</i>	3.00	SF
<i>Remove Striping</i>	2.60	LF
<i>Relocate Pullbox (and associated conduit)</i>	490.00	EA
<i>Sawcut</i>	5.20	LF

SECTION 2: EARTHWORK

TYPICAL ON-SITE GRADING EMBANKMENT/EXCAVATION

<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
<i>0 – 1,000 CY'S</i>	29.00	CY
<i>1,0001 – 20,000 CY'S</i>	16.00	CY
<i>20,0001 – 100,000 CY'S</i>	10.00	CY
<i>100,0001 – 350,000 CY'S</i>	7.00	CY
<i>350,0001 and above</i>	3.00	CY

SPECIAL GRADING

<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
<i>Clearing and Grubbing</i>	0.60	SF
<i>Roadway Excavation</i>	47.00	CY
<i>Structural Excavation</i>	84.00	CY

IMPORT OR EXPORT

<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
<i>0 – 1,000</i>	36.00	CY
<i>1,0001 – 19,999</i>	29.00	CY
<i>>20,000</i>	16.00	CY

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EROSION CONTROL

<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
<i>Sand or Gravel Bag</i>	3.90	LF
<i>Jute Mat</i>	0.60	SF
<i>Straw Mat</i>	0.40	SF
<i>Straw Bales</i>	6.50	EA
<i>Silt Fence</i>	2.10	LF
<i>Fiber Rolls</i>	3.90	LF
<i>Fiber Mat</i>	0.70	SF
<i>Hydroseed (for erosion control only)</i>	0.50	SF
<i>Desilting Basins</i>	4.00	SF
<i>Stabilized Construction Entrance</i>	9.00	SF

SUBDRAINS

<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
<i>4" – 6"</i>	39.00	LF
<i>8"</i>	45.00	LF
<i>Subdrain Headwall</i>	3,200.00	EA

PERMANENT POST CONSTRUCTION BMP'S

<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
<i>Modular Wetland System (MWS)</i>	45,000.00	EA
<i>Roadway Bioretention Basins</i>	100.00	SF
<i>Vegetated Bioswale</i>	11.00	SF
<i>Permeable Pavers with Structural Section</i>	23.00	SF
<i>Permeable Concrete</i>	21.00	SF
<i>Permeable Asphalt</i>	25.00	SF
<i>Detention (Infiltration) Basin</i>	10.00	SF
<i>Biofiltration Basin</i>	18.00	SF
<i>Hydro-Dynamic Separator (CDS or Equal)</i>	11,000.00	EA

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SECTION 3: DRAINAGE

<u>STANDARD</u> <u>DRAWING</u>	<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
D-1 to D-3	Type "A, B, C" Inlet (L=4'-6')	7,500.00	EA
D-1 to D-3	Type "A, B, C" Inlet (L=7'-10')	8,400.00	EA
D-1 to D-3	Type "A, B, C" Inlet (L=11'-14')	9,300.00	EA
D-1 to D-3	Type "A, B, C" Inlet (L=15'-20')	10,200.00	EA
D-7	Type F Catch Basin	9,400.00	EA
D-8	Type G Catch Basin	6,200.00	EA
D-9	Type A Storm Drain Cleanout	5,800.00	EA
D-10	Type B Storm Drain Cleanout	6,400.00	EA
D-16	Type A and B Corrugated Steel Pipe Inlets	3,000.00	EA
D-22	AC Spillway	410.00	EA
D-25	Type A & B Curb/Sidewalk Outlet	3,200.00	EA
D-27	Sidewalk Underdrain Pipe	173.00	EA
D-29	Type I Catch Basin	6,200.00	EA
D-32	Type B Straight Headwall (12" – 36" Circular Pipe)	4,800.00	EA
D-34	Wing and Type U Headwall (18" – 36" Circular Pipe)	7,000.00	EA
D-35	Wing and Type U Headwall (42" – 84" Circular Pipe)	10,300	EA
D-38	Curtain Wall	960.00	EA
D-39	Inlet Apron	2,560.00	EA
D-40	Rip-Rap Energy Dissipator		
	0.25 Ton	192.00	CY
	0.50 Ton	205.00	CY
	1.0 Ton	218.00	CY
	2.0 Ton	231.00	CY
	4.0 Ton	256.00	CY
D-41	Concrete Energy Dissipator	10,500.00	EA
D-62	Pipe Collar	3,200.00	EA
D-63	Concrete Lug (24" – 72")	1,500.00	EA
D-70, D-71	Minor/Major Reinforced PCC Drainage Channel	1,400.00	EA
D-72	Cutoff Wall for Drainage Channel	760.00	EA
D-74	Graded Earthen Channel	75.00	CY
D-75	Drainage Ditch	32.00	LF
D-76 to D-78	Single, Double, or Triple Reinforced Box Culvert	1,100.00	LF
	3' Wide by 6" deep P.C.C. Cross Gutter	53.00	LF
	Private Drain Inlet (12" x 12")	200.00	EA
	Private Drain Inlet (18" x 18")	320.00	EA

<u>STANDARD</u> <u>DRAWING</u>	<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
	Private Drain Inlet (24" x 24")	511.00	EA

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	4" Private Storm Drain (PVC/HDPE)	26.00	LF
	6" Private Storm Drain (PVC/HDPE)	26.00	LF
	8" Private Storm Drain (PVC/HDPE)	45.00	LF
	10" Private Storm Drain (PVC/HDPE)	45.00	LF
	12" Private Storm Drain (PVC/HDPE)	45.00	LF
	15" Private Storm Drain (PVC/HDPE)	69.00	LF
	18" Private Storm Drain (PVC/HDPE)	84.00	LF
	24" Private Storm Drain (PVC/HDPE)	103.00	LF
	30" Private Storm Drain (PVC/HDPE)	116.00	LF
	36" Private Storm Drain (PVC/HDPE)	180.00	LF
	42" Private Storm Drain (PVC/HDPE)	205.00	LF
	48" Private Storm Drain (PVC/HDPE)	231.00	LF
	18" Public Storm Drain (RCP, Lined CMP, ACP, CIPP)	122.00	LF
	24" Public Storm Drain (RCP, Lined CMP, ACP, CIPP)	141.00	LF
	30" Public Storm Drain (RCP, Lined CMP, ACP, CIPP)	154.00	LF
	36" Public Storm Drain (RCP, Lined CMP, ACP, CIPP)	186.00	LF
	42" Public Storm Drain (RCP, Lined CMP, ACP, CIPP)	212.00	LF
	48" Public Storm Drain (RCP, Lined CMP, ACP, CIPP)	224.00	LF
	54" Public Storm Drain (RCP, Lined CMP, ACP, CIPP)	256.00	LF
	60" Public Storm Drain (RCP, Lined CMP, ACP, CIPP)	327.00	LF
	66" Public Storm Drain (RCP, Lined CMP, ACP, CIPP)	372.00	LF
	72" Public Storm Drain (RCP, Lined CMP, ACP, CIPP)	372.00	LF
	HEC-2 Study and FEMA Revision	55,000.00	LS

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SECTION 4: GENERAL SURFACE IMPROVEMENTS

<u>STANDARD</u> <u>DRAWING</u>	<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
	A.C. Paving (144 lbs./cu. ft.)	103.00	TON
	1" A.C. Paving	0.70	SF
	1-½" A.C. Paving (Overlay)	1.00	SF
	2" A.C. Paving	1.30	SF
	3" A.C. Paving	1.90	SF
	Class II Agg. Base (140 lbs./cu. ft.)	36.00	TON
	1" Class II Agg. Base	0.30	SF
	Cement Treated Base CTB (150lbs./cu. ft.)	57.00	TON
	4" Cement Treated Base	1.50	SF
	5" Cement Treated Base	1.50	SF
	6" Cement Treated Base	1.80	SF
	8" Cement Treated Base	2.30	SF
	10" Cement Treated Base	2.40	SF
	3" A.C. Over 6" Class II Aggregate Base	3.60	SF
	4" A.C. Over 6" Class II Aggregate Base	4.20	SF
	5" A.C. Over 6" Class II Aggregate Base	4.80	SF
	5" A.C. Over 8" Class II Aggregate Base	5.30	SF
	Preparation of Subgrade	0.60	SF
	Engineered Filter Fabric	5.80	SF
	2" x 4" Redwood Header	7.50	LF
G-1	6" Curb Only	21.00	LF
G-1	8" Curb Only	24.00	LF
G-2	Type G Curb and Gutter	30.00	LF
G-2	Type H Curb and Gutter	34.00	LF
G-4	Rolled Curb and Gutter	37.00	LF
G-5	A.C. Dike		
	Type E	11.00	LF
	Type A	13.00	LF
	Type B	15.00	LF
G-6	Median Curb	42.00	LF
G-7	P.C.C. Sidewalk (4" Nominal Depth)	7.00	SF
	Stabilized DG Walkway (6" Nominal Depth)	7.00	SF
	Roundabout (Traffic Circle and Splitter Islands)	22.00	SF
	Stamped Concrete	9.00	SF
	Decorative Concrete	11.00	SF
	Interlocking Pavers	18.00	SF
G-12, G-13	P.C.C. Cross Gutter	14.00	SF
G-14 A, B, C	P.C.C. Driveway	12.00	SF
G-17	Alley Apron	12.00	SF

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<u>STANDARD DRAWING</u>	<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
G-22, G-23	Cutoff Wall	1,650.00	EA
G-24	Trench Resurfacing	32.00	SF
G-27 to G-31	Types A, B, C, and D Curb Ramp	2,400.00	EA

SECTION 5: TRAFFIC/ELECTRICAL

<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
Traffic Signal System (based on # of lanes at intersection)		
2 x 2	200,000.00	LS
2 x 3	230,000.00	LS
4 x 2	260,000.00	LS
4 x 4	300,000.00	LS
4 x 6	330,000.00	LS
6 x 6	360,000.00	LS
8 x 6	400,000.00	LS
Detector Loops	600.00	EA
Fiber Optic Traffic Signal Interconnection	35.00	LF
Video Detection (per approach)	11,000.00	EA
Street Striping		
0 - 4,000	2.00	LF
4,001+	1.00	LF
Green Thermoplastic Bike Lane Marking	15.00	SF
Speed Cushions	2,600.00	EA
Rectangular Rapid Flashing Beacons (RRFB System)	22,500.00	EA
Galvanized Telspar Steel Post	400.00	EA
Single-Sided Flashing Beacon and Signs (Top Mount)	11,200.00	EA
Single-Sided Flashing Beacon and Signs (Side Mount)	10,900.00	EA
Street Signage	0.50 – 0.80	SF

ELECTRICAL SYSTEMS

<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
LED Street Lights		
GE Evolve (Residential = 45 Watts)	7,700.00	EA
GE Evolve (Cul-de-Sac = 45 Watts)	7,850.00	EA
GE Evolve (Collectors = 95 Watts)	8,000.00	EA
GE Evolve (Arterials = 148 Watts)	8,150.00	EA
Street Light Relocation (Direct Burial)	2,000.00	EA
Street Light Relocation (Anchor Based)	2,500.00	EA
Overhead Utility Undergrounding	675.00	LF

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<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
Conduit, Wiring, and Trenching	3.75	LF
Pull Box		
Type 3.5	308.00	EA
Type 5	340.00	EA
Type 6	352.00	EA

SECTION 6: LANDSCAPING

PLANTING

<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
Shrubs		
1 Gallon	8.00	EA
5 Gallon	26.00	EA
Parkway or Median Trees		
5 Gallon	20.00	EA
15 Gallon	110.00	EA
24" Box	320.00	EA
36" Box	450.00	EA
48" Box	840.00	EA
Slope Planting (Ground Cover)	0.70	SF
Slope Planting (Ground Cover + Trees)	1.10	SF
Slope Hydroseeding	0.20	SF
Tree Grate with Frame	720.00	EA
Tree Maintenance (per Tree)	260.00	YEAR

IRRIGATION

<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
Backflow Prevention Assembly w/Enclosure	4,100.00	EA
Slope Irrigation	0.80	SF

HARDSCAPE

<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
Bench	2,000.00	EA
Trash Receptacle	800.00	EA
Basic Steel Shelter w/Post, Roof, & Foundation	150.00	SF

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SECTION 7: MISCELLANEOUS

<u>STANDARD</u> <u>DRAWING</u>	<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
M-5, M-6	Chain Link Fence		
	4' High	20.00	LF
	5' High	25.00	LF
	6" High	30.00	LF
	Wood Fence	12.00	SF
M-9	Guard Post	310.00	EA
M-9	Continuous Barricade	580.00	EA
M-10	Street Survey Monument	2,000.00	EA
	Survey Monument Preservation	500.00	EA
M-30	Metal Beam Guard Rail	39.00	LF
DS-13	Street Name Sign	250.00	EA
	Shoring		
	5 – 10 Feet Deep	15.00	LF
	11 – 15 Feet Deep	23.00	LF
	16 – 20 Feet Deep	32.00	LF
	Bridge Shoring (Vehicular)	124.00	SF
	Bridge Shoring (Pedestrian)	112.00	SF
	Bridge (Vehicular)	360.00	SF
	Bridge (Pedestrian)	320.00	SF
	Median Barrier (Type 50, PCC)	70.00	EA
	Crash Cushion (G.R.E.A.T.)	48,000.00	EA

CONCRETE STRUCTURES AND RETAINING WALLS

<u>STANDARD</u> <u>DRAWING</u>	<u>ITEM</u>	<u>COST (\$)</u>	<u>UNIT</u>
C-1 to C-6	Masonry Retaining Wall (Types 1 – 6)	58.00	SF
C-9	Gravity Retaining Wall	39.00	SF
C-11, C-12	Reinforced Concrete (cast-in-place) Retaining Wall	870.00	CY
	Crib Retaining Wall	52.00	SF
	Soil Nail Wall	125.00	SF
	Geogrid Wall	35.00	SF

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