



# **CITY OF SAN DIEGO**

DEVELOPMENT SERVICES DEPARTMENT

## **UNIT PRICE LIST**

**January 2009**

## **INTRODUCTION**

The purpose of the Unit Price List is to provide a resource for the preparation of cost estimates for subdivisions and permit projects and should be used only for bonding and permitting purposes. This price list does not reflect the actual project costs. The Unit Price List contains eleven separate sections, which include Private and/or Public items for Earthwork, Drainage, Surface Improvements, Traffic, Water/Wastewater Utilities, Landscaping, and Miscellaneous items.

All bond estimates for land development and public improvement must follow the format and requirements of the current City of San Diego Land Development and Public Improvement Preparation Manual. Please note that a 10% contingency factor must be applied for all public improvements and private encroachments within the public R.O.W. The unit price information contained in this publication has been compiled from various sources. These sources include private consultants and developers, other city sections and departments, other public agencies and previous City project bid items.

If a project proposes improvements that are not included in this Unit Price List, it is the engineer's responsibility to assess the value of the improvements (including labor and mobilization and restoration as applicable) and include the unit cost with respective quantities in the cost estimate. Provisions have been made for adding items to the City's Construction Cost Estimate template within rows labeled "ADDITIONAL ITEM".

This Unit Price Listing will be updated periodically as needed. If you have any suggestions or comments please contact the Land Development Review Division, plan check section.

For those with internet access, a Microsoft® Office Excel 2003 spreadsheet has been provided for the industry's use on the City of San Diego website ([www.SanDiego.gov](http://www.SanDiego.gov)) Development Services/Guidelines and Template links. This spreadsheet has been prepared as part of a continuing effort to enhance the timely completion of the review and permit process for grading and public improvements within the City of San Diego. The intent is to provide a tool to foster consistency, minimize the duplication of effort by the industry and standardize the policy for preparation and review of cost estimates to be used in the determination of bonding costs and permitting and inspection fees for grading and public improvement permits.

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**SECTION 1-EARTHWORK**

**GRADING**

CLEAR AND GRUB	SF	\$0.72
CONTAMINATED SOIL REMOVAL AND DISPOSAL	CY	\$169.05
EXCAVATE AND EXPORT	CY	<b>GRADED</b>
0-1,000	CY	\$44.28
1,001-20,000	CY	\$35.42
20,001-100,000	CY	\$26.57
100,001-350,000	CY	\$17.71
>350,000	CY	\$11.51
EXCAVATE AND FILL	CY	<b>GRADED</b>
0-1,000	CY	\$32.20
1,001-20,000	CY	\$18.52
>20,000	CY	\$10.47
IMPORT AND FILL	CY	<b>GRADED</b>
0-1,000	CY	\$45.08
1,001-20,000	CY	\$35.42
>20,000	CY	\$12.00
SUB DRAIN (4" DIAMETER)	LF	\$19.32
SUB DRAIN (6" DIAMETER)	LF	\$45.08
SUB DRAIN (8" DIAMETER)	LF	\$48.30
SUB DRAIN HEADWALL	EA	\$56.35
SHORING (SUBSURFACE STRUCTURE)	EA	\$4,025.00
	SF	\$40.25

**BEST MANAGEMENT PRACTICES (BMP"S)**

GRAVEL BAG	EA	\$1.82
JUTE MAT	SF	\$0.66
STRAW MAT	SF	\$0.46
STRAW BALES	EA	\$8.25
SILT FENCE	LF	\$2.64
FIBER ROLLS	LF	\$3.71
FIBER MATT	SF	\$0.66
HYDRO-SEED	SF	\$0.33
HYDRAULIC MULCH	SF	\$0.50
STABILIZED CONSTRUCTION ENTRANCE	SF	\$8.66
CONCRETE WASHOUT	EA	\$825.00
INLET PROTECTION (SEDIMENT)	EA	\$247.50
INLET MARKER	EA	\$165.00

**SECTION 2- DRAINAGE**

**RCP CULVERTS**

18" RCP STORM DRAIN	LF	\$123.50
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24" RCP STORM DRAIN	LF	\$143.00
30" RCP STORM DRAIN	LF	\$156.00
36" RCP STORM DRAIN	LF	\$188.50
42" RCP STORM DRAIN	LF	\$214.50
48" RCP STORM DRAIN	LF	\$227.50
54" RCP STORM DRAIN	LF	\$260.00
60" RCP STORM DRAIN	LF	\$331.50
72" RCP STORM DRAIN	LF	\$370.50

***RCP CULVERTS (WITH WATER TIGHT JOINTS)***

18" RCP STORM DRAIN (WATER TIGHT JOINTS)	LF	\$129.68
24" RCP STORM DRAIN (WATER TIGHT JOINTS)	LF	\$150.15
30" RCP STORM DRAIN (WATER TIGHT JOINTS)	LF	\$163.80
36" RCP STORM DRAIN (WATER TIGHT JOINTS)	LF	\$197.93
42" RCP STORM DRAIN (WATER TIGHT JOINTS)	LF	\$225.23
48" RCP STORM DRAIN (WATER TIGHT JOINTS)	LF	\$238.88
54" RCP STORM DRAIN (WATER TIGHT JOINTS)	LF	\$273.00
60" RCP STORM DRAIN (WATER TIGHT JOINTS)	LF	\$348.08
72" RCP STORM DRAIN (WATER TIGHT JOINTS)	LF	\$389.03

***MISCELLANEOUS DRAINAGE***

AC SPILLWAY (D-22)	EA	\$512.00
PCC BOX CULVERT	CY	\$1,760.00
CATCH BASIN, PER D-7 ( TYPE F )	EA	\$5,680.00
'CATCH BASIN, PER D-8 ( TYPE G )	EA	\$6,240.00
'CLEAN OUT, PER D-9 ( TYPE A )	EA	\$6,368.00
'CLEAN OUT, PER D-10 (TYPE B )	EA	\$7,200.00
CATCH BASIN, PER D-29 ( TYPE I )	EA	\$6,160.00
CONCRETE (STRUCTURAL)	CY	\$880.00
CONCRETE ENERGY DISSIPATER, PER D-41	EA	\$13,120.00
CONCRETE LUG, PER D-63	EA	\$1,920.00
CONCRETE PIPE COLLAR, PER D-62	EA	\$4,000.00
CURB INLET, PER D-1 ( TYPE A )	EA	\$6,160.00
CURB INLET, PER D-2 ( TYPE B )	EA	\$6,160.00
CURB INLET, PER D-3 ( TYPE C )	EA	\$7,200.00
CURB INLET, PER D-45 ( TYPE J )	EA	\$5,680.00
CURB OUTLET, PER D-25 ( TYPE A )	EA	\$4,000.00
CURB OUTLET-SIDEWALK UNDER DRAIN, PER D-27 EA	EA	\$800.00
CURTAIN WALL, PER D-38	EA	\$960.00
CUTOFF WALL , PER D-72	EA	\$760.00
PCC DRAINAGE CHANNEL, PER D-70 & 71	LF	\$1,040.00
DRAINAGE DITCH, PER D-75	LF	\$24.00
HEC-2 STUDY & FEMA REVISION	LS	\$48,000.00
STRAIGHT HEAD WALL PER D-30&31 (TYPE A)	EA	\$4,800.00
STRAIGHT HEAD WALL PER D-32&33 (TYPE A-GRAVITY) EA	EA	\$4,320.00
WING/U TYPE HEAD WALL PER D-34/35A&B (18" TO 36"/36" TO 60")	EA	\$6,880.00
WING/U TYPE HEAD WALL PER D-35A&B (60" TO 84") EA	EA	\$7,360.00

L TYPE HEADWALL PER D-36 & 37	EA	\$6,560.00
INLET APRON, PER D-39	EA	\$2,560.00
CONCRETE ENERGY DISSIPATER, PER D-41	EA	\$13,120.00
RIP RAP , PER D-40 ( 2 TON)	EA	\$4,000.00
RIP RAP , PER D-40 ( 0.25 -1.0 TON )	EA	\$3,360.00
RIP RAP , PER D-40 ( NO. 2 BACKING )	EA	\$2,800.00
CONNECT TO EXISTING S.D.	EA	\$320.00

### SECTION 3- SURFACE IMPROVEMENTS

#### **CURB AND GUTTER**

CURB & GUTTER REMOVAL AND DISPOSAL	LF	\$3.30
MEDIAN CURB & GUTTER, PER G-6 ( TYPE B-1 )	LF	\$13.20
MEDIAN CURB & GUTTER, PER G-6 ( TYPE B-2 )	LF	\$22.00
6" CURB & GUTTER PER G-2 (TYPE G)	LF	\$22.00
8" CURB & GUTTER PER G-2 (TYPE G)	LF	\$26.40
6" CURB & GUTTER, PER G-2 ( TYPE H )	LF	\$27.50
8" CURB & GUTTER, PER G-2 ( TYPE H )	LF	\$33.00
ROLLED CURB, PER G-4	LF	\$28.60
4" AC BERM, PER G-5	LF	\$8.80
6" AC BERM, PER G-5	LF	\$10.45
8" AC BERM, PER G-5	LF	\$12.10

#### **PAVEMENT**

PAVEMENT DESIGN, PER SDG-113 (SCHEDULE J)	SF	\$8.40
AC PAVING (1" SURFACE)	SF	\$1.26
AC PAVING (2" SURFACE)	SF	\$1.68
AC PAVING (3" SURFACE)	SF	\$2.18
AC PAVING (4" SURFACE)	SF	\$2.94
AC PAVING (5" SURFACE)	SF	\$3.61
CTB PAVING (4" SURFACE)	SF	\$1.68
CTB PAVING (6" SURFACE)	SF	\$1.76
CTB PAVING (8" SURFACE)	SF	\$2.10
CTB PAVING (12" SURFACE)	SF	\$2.69
CTB PAVING (14" SURFACE)	SF	\$2.77
CTB PAVING (16" SURFACE)	SF	\$2.94
CTB PAVING (18+" SURFACE)	SF	\$3.11
PCC PAVING (5" THICK)	SF	\$8.40
PCC PAVING (5.5" THICK)	SF	\$9.24
PCC PAVING (6" THICK)	SF	\$10.08
PCC PAVING (8" THICK)	SF	\$10.92
PCC PAVING (9" THICK)	SF	\$12.60
PAVING SUBGRADE PREPARATION	SF	\$0.84
AC PAVEMENT REMOVAL	SF	\$3.36

**CURB RAMPS & SIDEWALK**

CURB RAMPS, PER SDG132 (TYPE A & B, NEW CONSTRUCTION)	EA	\$1,876.00
CURB RAMPS, PER SDG134-135 (TYPE C1, C2 & A-EXIST SIDEWALK)	EA	\$2,948.00
CURB RAMPS, ALLEY, PER SDG-136 (TYPE D)	EA	\$2,144.00
SIDEWALK REMOVAL AND DISPOSAL	SF	\$2.01
4" PCC SIDEWALK, PER G-7	SF	<b>GRADED</b>
0-5000	SF	\$8.00
>5000	SF	\$6.40
RELOCATE CONTRACTOS/HISTORIC STAMP	EA	\$300

**MISCELLANEOUS SURFACE IMPROVEMENTS**

CUT-OFF WALL @ END OF PAVEMENT, PER G-22 & 23	EA	\$1,650.00
CROSS-GUTTER, PER G-12 & 13	SF	\$13.20
DRIVEWAY, PER G-14A,B,C, & SDG-114	SF	\$11.55
MEDIAN, PER SDG-112 ( STAMPED CONCRETE )	SF	\$8.25
MEDIAN, PER SDG-112 ( DECORATIVE CONCRETE )	SF	\$10.73
MEDIAN, PER SDG-112 ( PAVERS )	SF	\$17.33
TRENCH RESURFACING, PER SDG-107&108	LF	\$41.25
NARROW TRENCHING, PER G-33-35	LF	\$18.98
4" AC BERM, PER G-5	LF	\$12.46
6" AC BERM, PER G-5	LF	\$13.53
8" AC BERM, PER G-5	LF	\$15.43
AC OVERLAY (1"-2")	SF	\$0.74
AC SLURRY SEAL	SF	\$0.99
ALLEY APRON, PER G-17	SF	\$11.55
ADJUST TO GRADE	EA	\$1,650.00
AGGREGATE BASE (AB)	SF	\$1.65
MEDIAN PCC, PER SDG-112 (DECORATIVE)	SF	\$18.15
MEDIAN PCC, PER SDG-112 (STAMPED CONCRETE)	SF	\$13.20
MEDIAN PCC, PER SDG-112 (INTERLOCKING PAVERS)	SF	\$19.80
GRIND & OVERLAY	SF	\$4.13
COLD MILLING AC PAVEMENT (SDG 139)	LF	\$2.38
PAVEMENT FABRIC FOR ASPHALT	SF	\$2.60
AC PATCHING	TON	\$150.00
CRACK SEALING	LF	\$2.50

**SECTION 4- TRAFFIC**

**TRAFFIC CONTROLS**

DETECTOR LOOPS	EA	\$ 544.50
PULL BOX, PER SDI-105 (ALL TYPES)	EA	\$ 314.60
PULL BOX RELOCATION	EA	\$ 484.00
REMOVE STRIPING	LF	\$ 3.63
STREET LIGHT, PER SDE-101, E-2 L.P. SODIUM	EA	\$ 7,260.00
STREET LIGHT, PER SDE-101, E-2 H.P. SODIUM	EA	\$ 7,260.00
STREET NAME SIGN, PER SDM-102	EA	\$ 484.00
STREET STRIPING ( More than 4000 L.F)	LF	\$ 0.61
STREET STRIPING	LF	\$ 0.79
TRAFFIC SIGNAL (2X2 INTERSECTION)	LS	\$ 127,050

TRAFFIC SIGNAL (4X2 INTERSECTION)	LS	\$ 139,150
TRAFFIC SIGNAL (4X4 INTERSECTION)	LS	\$ 145,200
TRAFFIC SIGNAL (4X6 INTERSECTION)	LS	\$ 157,300
TRAFFIC SIGNAL (6X6 INTERSECTION)	LS	\$ 169,400
TRAFFIC SIGNAL (8X6 INTERSECTION)	LS	\$ 278,300
TRAFFIC SIGNAL INTERCONNECTION	LF	\$ 18.15
BIKE LANE SIGNING AND STRIPING	MI	\$ 2,420.00
FLASHING ARROW BOARD/ELECTRIC MESSAGE SIGN	LS	\$ 2,000.00

## SECTION 5- WATER/WASTEWATER UTILITIES

### WASTEWATER

CONCRETE ANCHOR, PER S-9	LF	\$ 1,691.08
CONCRETE CRADLE, PER S-6 (8" SWR MAIN)	LF	\$ 18.69
CONCRETE CRADLE, PER S-6 (10" SWR MAIN)	LF	\$ 20.64
CONCRETE CRADLE, PER S-6 (12" SWR MAIN)	LF	\$ 23.58
CONCRETE CRADLE, PER S-6 (15" SWR MAIN)	LF	\$ 27.27
CONCRETE CRADLE, PER S-6 (18" SWR MAIN)	LF	\$ 33.30
CONCRETE CRADLE, PER S-6 (21" SWR MAIN)	LF	\$ 38.86
CONCRETE CRADLE, PER S-6 (24" SWR MAIN)	LF	\$ 26.80
CONCRETE CRADLE, PER S-6 (27" SWR MAIN)	LF	\$ 46.10
CONCRETE CRADLE, PER S-6 (30" SWR MAIN)	LF	\$ 55.21
CONCRETE CRADLE, PER S-6 (36" SWR MAIN)	LF	\$ 70.95
CONCRETE CRADLE, PER S-6 (42" SWR MAIN)	LF	\$ 92.06
CONCRETE CRADLE, PER S-6 (48" SWR MAIN)	LF	\$ 104.86
CONCRETE ENCASMENT, PER S-7 (8" SWR MAIN)	LF	\$ 29.41
CONCRETE ENCASMENT, PER S-7 (10" SWR MAIN)	LF	\$ 34.30
CONCRETE ENCASMENT, PER S-7 (12" SWR MAIN)	LF	\$ 39.13
CONCRETE ENCASMENT, PER S-7 (15" SWR MAIN)	LF	\$ 46.03
CONCRETE ENCASMENT, PER S-7 (18" SWR MAIN)	LF	\$ 53.87
CONCRETE ENCASMENT, PER S-7 (21" SWR MAIN)	LF	\$ 60.43
CONCRETE ENCASMENT, PER S-7 (24" SWR MAIN)	LF	\$ 67.54
CONCRETE ENCASMENT, PER S-7 (27" SWR MAIN)	LF	\$ 79.86
CONCRETE ENCASMENT, PER S-7 (30" SWR MAIN)	LF	\$ 98.22
CONCRETE ENCASMENT, PER S-7 (36" SWR MAIN)	LF	\$ 112.83
CONCRETE ENCASMENT, PER S-7 (42" SWR MAIN)	LF	\$ 128.10
CONCRETE ENCASMENT, PER S-7 (48" SWR MAIN)	LF	\$ 156.04
CUTOFF WALL, PER S-10 (TYPE B)	EA	\$ 1,975.16
SEWER MANHOLE, PER S-2 (3'x5')	EA	\$ 4,803.90
SEWER MANHOLE, PER S-2 (3'x5' W/LOCKING COVER)	EA	\$ 5,905.38
SEWER MANHOLE, PER S-2 (3'x5' PVC-LINER)	EA	\$ 7,403.50
SEWER MANHOLE, PER S-2 (3'x5' W/PVC-LINER & LOCKING COVER)	EA	\$ 8,504.98
SEWER MANHOLE, PER S-17 (3'x4')	EA	\$ 4,254.50
SEWER MANHOLE, PER S-17 (3'x4' W/LOCKING COVER)	EA	\$ 6,030.00
SEWER MANHOLE, PER S-17 (3'x4' PVC-LINER)	EA	\$ 5,355.98
SEWER MANHOLE, PER S-17 (3'x4' W/PVC-LINER & LOCKING COVER)	EA	\$ 7,131.48
SEWER MANHOLE LOCKING COVER, PER M-4	EA	\$ 1,101.68
4" PRESSURE PVC SEWER	LF	\$ 70.62
6" PRESSURE PVC SEWER	LF	\$ 96.15
SEWER ACCESS ROAD (4" DECOMPOSED GRANITE)	SF	\$ 7.04



SEWER ACCESS ROAD, PER SDG-113 (AC )	SF	\$ 15.14
SEWER ACCESS ROAD, PER SDG-113 (CONCRETE )	SF	\$ 60.30
STREET SEWER LATERAL, PER S-13 (4", 40' LONG )	EA	\$ 1,788.90
STREET SEWER LATERAL, PER S-13 (6" - 40' LONG)	EA	\$ 3,363.40
STREET SEWER LATERAL, PER S-13 (8" - 40' LONG)	EA	\$ 4,937.90
ALLEY SEWER LATERAL, PER S-13 (4" - 40' LONG)	EA	\$ 1,496.78
ALLEY SEWER LATERAL, PER S-13 (6" - 40' LONG)	EA	\$ 2,278.00
6" PVC SEWER MAIN, PER S-4	LF	\$ 82.88
8" PVC SEWER MAIN, PER S-4	LF	\$ 96.75
10" PVC SEWER MAIN, PER S-4	LF	\$ 107.07
12" PVC SEWER MAIN, PER S-4	LF	\$ 118.79
15" PVC SEWER MAIN, PER S-4	LF	\$ 131.19
18" PVC SEWER MAIN, PER S-4	LF	\$ 144.79
21" PVC SEWER MAIN, PER S-4	LF	\$ 157.12
24" PVC SEWER MAIN, PER S-4	LF	\$ 167.37
27" PVC SEWER MAIN, PER S-4	LF	\$ 178.35
30" PVC SEWER MAIN, PER S-4	LF	\$ 188.61
36" PVC SEWER MAIN, PER S-4	LF	\$ 209.04
8" ESVC SEWER MAIN, PER S-4	LF	\$ 100.50
10" ESVC SEWER MAIN, PER S-4	LF	\$ 113.90
12" ESVC SEWER MAIN, PER S-4	LF	\$ 120.60
15" ESVC SEWER MAIN, PER S-4	LF	\$ 127.30
18" ESVC SEWER MAIN, PER S-4	LF	\$ 147.40
21" ESVC SEWER MAIN, PER S-4	LF	\$ 160.80
24" ESVC SEWER MAIN, PER S-4	LF	\$ 174.20
27" ESVC SEWER MAIN, PER S-4	LF	\$ 180.90
30" ESVC SEWER MAIN, PER S-4	LF	\$ 187.60
42" ESVC SEWER MAIN, PER S-4	LF	\$ 207.70
48" ESVC SEWER MAIN, PER S-4	LF	\$ 254.60
16" STEEL CASING	LF	\$ 130.65
19" STEEL CASING	LF	\$ 167.50
21" STEEL CASING	LF	\$ 190.28
24" STEEL CASING	LF	\$ 215.74
30" STEEL CASING	LF	\$ 250.58
33" STEEL CASING	LF	\$ 265.32
36" STEEL CASING	LF	\$ 284.08
39" STEEL CASING	LF	\$ 301.50
42" STEEL CASING	LF	\$ 347.06
48" STEEL CASING	LF	\$ 383.24
52" STEEL CASING	LF	\$ 419.42
60" STEEL CASING	LF	\$ 482.40
SEWER PUMP STATION	EA	\$ 335,000
ADJUST MANHOLE FRAME & COVER TO GRADE	EA	\$450
6" SEWER MAIN CLEANOUT	EA	\$633
CONNECT TO EXISTING MANHOLE AND RECHANNEL IF NEEDED	EA	\$1,883
ABANDON EXISTING MANHOLE (OUTSIDE TRENCH)	EA	\$1,616

## **WATER**

AIR & VACUUM VALVE, PER W-4 (1")	EA	\$ 2,247.50
AIR & VACUUM VALVE, PER W-4 (2")	EA	\$ 3,190.00
BLOW-OFF ASSEMBLY, PER W-6 (2" TYPE A)	EA	\$ 1,254.25
BLOW-OFF ASSEMBLY, PER SDW-106 (3" TYPE A)	EA	\$ 2,320.00
BLOW-OFF ASSEMBLY PER W-7 (2" TYPE B, C & D)	EA	\$2,718.75
RELOCATE FIRE HYDRANT	EA	\$3,190.00
BACKFLOW PREVENTION ASSEMBLY (W/ENCLOSURE)	EA	\$2,392.50
FIRE HYDRANT ASSY PER W-10 ( 2-WAY)	EA	\$5,075.00
FIRE HYDRANT ASSY PER W-10 ( 3-WAY)	EA	\$5,800.00
MULTIPLE SERVICE PER W-23	EA	\$797.50
THRUST BLOCK, PER W-17	SF	\$253.75
WATER METER BOX	EA	\$406
THRUST ANCHOR	EA	\$447
DUAL ABOVE GROUND METER & B.F PREVENTER (SDW119)	EA	\$5,000
ADJUST VALVE COVER TO GRADE	EA	\$300
4" FIRE SERVICE	EA	\$800
WATER SERVICE CONNECTION	EA	\$1,000

## **WATER VALVES**

4" GATE VALVE	EA	\$550.00
6" GATE VALVE	EA	\$1,000.00
8" GATE VALVE	EA	\$1,800.00
10" GATE VALVE	EA	\$2,850.00
12" GATE VALVE	EA	\$3,700.00
16" GATE VALVE	EA	\$4,650.00
20" GATE VALVE	EA	\$5,900.00
8" PRESSURE REDUCER W/BOX	EA	\$9,820.00

## **PVC WATER MAINS (ALL MATERIALS)**

4" PVC WATER MAIN PER W-21	LF	\$48.64
6" PVC WATER MAIN PER W-21	LF	\$64.00
8" PVC WATER MAIN PER W-21	LF	\$74.24
10" PVC WATER MAIN PER W-21	LF	\$80.64
12" PVC WATER MAIN PER W-21	LF	\$89.60
16" PVC WATER MAIN PER W-21	LF	\$113.92
20" PVC WATER MAIN PER W-21	LF	\$128.00

## **WATER SERVICE**

WTR SERV. PER W-1 (1" W/1"X 0.75" METER)	EA	\$2,389.00
WTR SERV. PER W-1 (1" W/1"X 1" METER)	EA	\$ 2,478.00
WTR SERV. PER W-2 (2" W/1.5" METER)	EA	\$ 2,782.00
WTR SERV. PER W-2 ( 2" W/2" METER)	EA	\$2,866.00
WTR SERV. PER W-2 ( 2-2" W/2-2" METER, MANIFOLD)	EA	\$4,561.00
WTR SERV. PER W-1 (1" W/O METER)	EA	\$2,267.00
WTR SERV. PER W-2 (1" W/O METER)	EA	\$2,453.00

WTR SERV. PER W-2 (2-2" W/O METER)	EA	\$3,183.00
RELOCATE WATER SERVICE (k093345a)	EA	\$2,400
WATER SERVICE ABANDONMENT	EA	\$500

**SECTION 6-MISCELLANEOUS IMPROVEMENTS**

**MISCELLANEOUS ITEMS**

VEHICULAR BRIDGE	SF	\$ 352.00
PEDESTRIAN BRIDGE	SF	\$ 320.00
CRASH CUSHION (G.R.E.A.T.)	EA	\$ 47,104
EXCAVATION (FOR STRUCTURES)	CY	\$ 39.68
FENCE, PER M-6 (4' HIGH CHAIN LINK)	LF	\$ 16.00
FENCE, PER M-6 (5' HIGH CHAIN LINK)	LF	\$ 17.92
FENCE, PER M-6 (6' HIGH CHAIN LINK)	LF	\$ 20.48
GUARD RAIL METAL BEAM, PER M-30-38	LF	\$ 38.40
GUARD RAIL POST, PER M-9	EA	\$ 307.20
GUARD BARRICADE, PER M-9	EA	\$ 576.00
PCC MEDIAN BARRIER (TYPE 50)	EA	\$ 70.40
SAW CUT EXISTING (AC/PCC)	LF	\$ 5.12
TRENCH SHORING (5'-10' DEEP)	LF	\$ 14.34
TRENCH SHORING (11'-15' DEEP)	LF	\$ 22.27
TRENCH SHORING (16'-20' DEEP)	LF	\$ 32.00
SURVEY MONUMENT, PER M-10	EA	\$ 1,024.00
MASONRY RETAINING WALL	SF	\$ 37.95
CAST IN PLACE RETAINING WALL	CY	\$ 864.00
GRAVITY RETAINING WALL	SF	\$ 28.16
CRIB-BLOCK RETAINING WALL	SF	\$ 32.00
PEDESTRIAN BARRICADE, PER SDE 103	EA	\$ 192.00
CONSTRUCTION FENCING	LF	\$4.00

**SECTION 7-LANDSCAPE & IRRIGATION**

**LANDSCAPE PLANTING**

SHRUBS (1 GALLON)	EA	\$6.00
SHRUBS (5 GALLON)	EA	\$20.00
SLOPE PLANTING (GROUND COVER)	SF	\$ 0.48
SLOPE PLANTING (GROUND COVER + TREES)	SF	\$ 0.79
SLOPE PLANTING (HYDRO-SEEDING)	SF	\$ 0.20
TREE (5 GALLON)	EA	\$ 15.00
TREE (15 GALLON)	EA	\$ 85.00
TREE (24" BOX)	EA	\$250.00
TREE (36" BOX)	EA	\$350.00
TREE (48" BOX)	EA	\$650.00
TREE GRATE (W/2FRAME)	EA	\$480.00
TREE MAINTENANCE (TREES/YEAR)	TREE/YR	\$200.00
TREE RELOCATION	EA	\$1,666.00
TREE REMOVAL AND DISPOSAL	EA	\$500.00

**LANDSCAPE IRRIGATION**

IRRIGATION BACKFLOW PREVENTION ASSEMBLY (W/ENCLOSURE)  
SLOPE IRRIGATION

EA \$1,650.00  
SF \$0.59