SUMMARY DATE PROJECT NAME PROJECT LOCATION LINE MATERIAL **LABOR TOTAL** CSI DIV. **DESCRIPTION** NO. COST COST COST BASE BID **BUILDING CONCRETE** 466,625 \$ 623,536 \$ 1,090,162 1 175,084 \$ 742,226 \$ SITE WORK 917,310 **TOTAL PROJECT COST** 2,007,471 ALTERNATE 3 ALTERNATE #1 \$ 4,687 \$ 4,687

CONSTRUCTION COST ESTIMATE BREAKDOWN CONTRACTOR **ADDRESS TOTAL MATERIAL COST** 336,004 **TOTAL LABOR COST** 436,956 **SUBTOTAL** 772,960 **SALES TAX** 6.25% \$ 21,000 LABOR BURDEN 10.00% \$ 43,696 25.00% \$ **OVERHEAD & PROFIT** 193,240 2.00% \$ 20,618 **BONDING** 5.00% \$ CONTINGENCY / WASTAGE 38,648 PROPOSED PROJECT AMOUNT 1,090,162 **TOTAL MANHOURS** 5588.98 DATE PROJECT NAME SCOPE OF WORK PROJECT LOCATION MATERIAL **LABOR TRADE** DWG REF./ **UNIT OF** LINE ITEM DESCRIPTION **QUANTITY UNIT LABOR LABOR** TOTAL W/ **UNIT PRICE TOTAL COST TOTAL COST** LABOR RATE CSI SEC. **MEASURE UNIT PRICE TOTAL** NO. **HOUR HOURS** S.TAX, O&P DIV. 01 GENERAL REQUIREMENTS **SUBTOTAL MATERIAL** SUBTOTAL LABOR 60,000 60,000 \$ 85,620 \$60,000.00 \$60,000.00 1 PERMITS, SITE SUPERVISION, FINAL CLEANUP & DUMPSTER LS \$60,000.00 712,960 \$ 1,004,542 DIV. 03 SUBTOTAL MATERIAL 336,004 **SUBTOTAL LABOR** 376,956 CONCRETE **SLAB ON GRADE** 4" THK. NORMAL WEIGHT CONCRETE SLAB ON GRADE OVER 10 MIL POLYETHYLENE VAPOR BARRIER, REINFORCED W/ 6x6 W2.9xW2.9 W.W.F. AT SF \$1,058.26 0.068 38.11 \$63.45 \$2,418.09 \$3,476.35 2 563 \$1.88 \$4.30 MID DEPTH 3 12" THK. SLAB ON GRADE $\,$ W/ #4 BARS $\,$ @ 12" O.C. EACHWAY SF 38 \$5.25 \$201.88 0.076 2.93 \$63.45 \$4.83 \$185.73 \$387.61 28" MAT SLAB REINFORCEMENT W/ #5 @12" TOP & BOTTOM INNER AND S100, S200 SF 11749 \$135,821.21 0.170 1993.12 \$63.45 \$10.76 \$126,461.26 \$262,282.47 \$11.56 **OUTER LAYER** 12" THK. ELEVATOR MAT SLAB REINFORCEMENT W/ #5 @12" O.C. TOP & 5 SF 90 \$5.25 \$471.88 0.076 6.84 \$63.45 \$4.83 \$434.14 \$906.03 **BOTTOM INNER LAYER** 8" THK. ELEVATOR PIT SLAB REINFORCEMENT W/ #5 @12" O.C. TOP &6 SF \$18.85 \$33.41 4 \$3.64 \$14.56 0.074 0.30 \$63.45 \$4.71 **BOTTOM INNER LAYER CONTROL JOINTS** 7 S200 CONTROL JOINTS AT SLAB ON GRADE LF 57 \$0.85 \$48.22 0.040 2.28 \$71.22 \$2.85 \$162.38 \$210.61 GYPCRETE TOPPING \$39,260.86 778.99 \$73.53 \$1.47 \$57,275.52 \$96,536.39 3/4" GYPCRETE UNDERLAYMENT SF 38949 \$1.01 0.020 A102, A105 9 1" GYPCRETE UNDERLAYMENT SF \$73.53 \$1.47 \$8,173.61 \$15,427.23 5558 \$1.31 \$7,253.62 0.020 111.17 6'-4"W x 1'-0"D x 7"H CONCRETE TOPPING AT METAL STAIRS SF \$692.54 \$878.49 10 51 \$3.67 \$185.95 0.186 9.42 \$73.53 \$13.68 STEPS: 8 THICKENED EDGE 11 S100 \$245.80 \$235.78 5.254 \$67.82 \$356.35 \$341.83 \$577.61 CONCRETE THICKENED EDGE W/ #4 BARS @ 12" O.C. CY 1.0 5.04 SLAB EDGE 11" x 1'-8"H THICKENED EDGE CONCRETE SLAB W/ #5 BARS @ 12" O.C. 12 \$245.80 \$111.89 5.254 2.39 \$67.82 \$356.35 \$162.22 \$274.11 S100 CY 0.5 **EACHWAY** WALL FOOTINGS 2'-0"W x 1'-0" CONTINUOUS FOOTING W/ 13 S100 CY 3.4 \$245.80 \$846.64 5.254 18.10 \$67.82 \$356.35 \$1,227.41 \$2,074.06 - 2 #5 BARS CONTINUOUS BARS **FOUNDATION WALL** 8" THK. CONCRETE WALL & CURB @ 5'-6" HT W/ #4 BARS @ 12" O.C. HORIZONTALLY AND VERTICALLY 14 CY 164.2 \$290.20 \$47,658.43 4.601 755.53 \$73.45 \$337.89 \$55,490.45 \$103,148.88 #4 DOWELS @ 12" O.C. 2x4 CONTINUOUS KEYWAY W/ WATERSTOP S100 8" THK. CONCRETE WALL #4 HORIZONTAL BARS @ 12" O.C. \$11,393.09 15 #5 VERTICAL BARS @ 12" O.C #5 DOWELS @ 12" O.C. 2x4 CONTINUOUS KEYWAY W/ WATERSTOP **STEM WALL** 12"W x 2'-8"H CONCRETE STEM WALL S100 CY \$290.20 \$918.33 4.601 14.56 \$73.45 \$337.89 \$1,069.24 \$1,987.57 16 #4 BARS @ 12" O.C. EACHWAY 3.2 2x4 CONTINUOUS KEYWAY W/ WATERSTOP **CONCRETE BEAM OVER OPENING** 8" x 1'-8"H CONCRETE BEAM W/ - (2) #4 TOP BARS 17 \$277.52 \$1,000.54 8.606 31.03 \$69.96 \$602.09 \$2,170.75 \$3,171.28 CY 3.6 - (2) #6 BOTTOM BARS #3 STIRRUPS @ 6" O.C. S100 8" x 1'-5"H CONCRETE BEAM W/ (2) #4 TOP BARS 18 \$277.52 \$880.09 8.606 27.29 \$69.96 \$602.09 \$1,909.43 \$2,789.52 CY 3.2 · (2) #6 BOTTOM BARS #3 STIRRUPS @ 6" O.C. PIERS FOOTINGS **F3.0:** 3'-0" x 3'-0" x 1'-0"D ISOLATED FOOTING W/ 19 S100 CY 0.7 \$241.22 \$160.81 5.883 3.92 \$69.96 \$411.55 \$274.37 \$435.18 - (4) #4 BARS EACHWAY CONCRETE PIERS P1: 12"x12" CONCRETE PIERS W/ 5.997 20 S100 - (4) # VERTICAL BARS CY 0.2 \$761.18 \$169.15 1.33 \$67.82 \$406.71 \$90.38 \$259.53 - #3 TIES @ 8" O.C. **WIRE MESH** 21 S100, S200 6x6 W2.9xW2.9 W.W.F. AT MID DEPTH ON SLAB SF 563 \$0.45 \$253.35 0.004 2.25 \$84.07 \$0.34 \$189.33 \$442.68 REINFORCEMENT 227.45 \$11,922.91 \$30,118.59 22 #5 BARS AT SLAB ON GRADE LBS 25272 \$0.72 \$18,195.69 0.009 \$52.42 \$0.47 23 \$77.87 0.010 1.15 \$0.52 \$60.48 \$138.35 #4 BARS AT SLAB ON GRADE LBS 115 \$0.68 \$52.42 24 \$6,276.90 0.010 92.99 \$52.42 \$4,874.67 \$11,151.57 #4 BARS AT CONCRETE WALLS LBS 9299 \$0.68 \$0.52 25 LBS \$0.72 \$1,473.71 0.009 18.42 \$52.42 \$0.47 \$965.66 \$2,439.37 #5 BARS AT CONCRETE WALLS 2047 26 LBS \$70.54 0.009 0.88 \$52.42 \$0.47 \$46.22 \$116.76 **#5 BARS AT CONTINUOUS FOOTING** 98 \$0.72 27 0.32 \$38.84 LBS 32 \$21.86 0.010 \$52.42 \$0.52 \$16.98 S100 #4 BARS AT PIERS FOOTING \$0.68 28 **#5 BARS AT CONCRETE PIERS** LBS 67 \$0.72 \$48.54 0.009 0.61 \$52.42 \$0.47 \$31.81 \$80.35 29 \$10.45 0.011 0.15 \$52.42 \$0.58 \$7.69 \$18.14 #3 TIES AT CONCRETE PIERS LBS 13 \$0.78 30 #4 BARS AT CONCRETE BEAM LBS 239 \$0.68 \$161.21 0.010 2.39 \$52.42 \$0.52 \$125.20 \$286.41 31 #6 BARS AT CONCRETE BEAM LBS 537 \$0.60 \$323.83 0.008 4.30 \$52.42 \$0.42 \$225.21 \$549.04 32 #3 STIRRUPS AT CONCRETE BEAM LBS 536 \$0.78 \$419.68 0.011 5.90 \$52.42 \$0.58 \$309.07 \$728.75 **FORMWORK** 33 \$22,971.60 472.19 \$71.22 \$33,630.13 \$56,601.73 S100, S200 FORMWORK REQUIRED SF 12762 \$1.80 0.037 \$2.64 **INSULATION** \$5,888.38 34 2" XPS RIGID R-10 INSULATION AT CONCRETE WALLS SF 5595 \$1.29 \$7,200.77 0.017 95.12 \$61.91 \$1.05 \$13,089.14 S100, S200 35 SF 0.017 211.48 \$13,092.30 \$29,102.58 2" R-10 RIGID INSULATION UNDER SLAB 12440 \$1.29 \$16,010.28 \$61.91 \$1.05 WATERPROOFING BITUMINOUS DAMPROOFING AT CONCRETE WALLS 36 SF 382 \$1.01 \$385.06 0.024 9.17 \$61.91 \$1.49 \$567.57 \$952.63 S100 37 AIRTIGHT WATERPROOFING AT CONCRETE WALLS SF 4831 \$0.32 \$1,565.24 0.005 24.16 \$61.91 \$0.31 \$1,495.39 \$3,060.63 **VAPOR BARRIER** 15 MIL POLYETHYLENE VAPOR BARRIER TAPE JOINTS & PENETRATIONS \$3,694.68 SF 0.012 149.28 \$0.85 \$10,631.87 \$14,326.55 12440 \$0.30 \$71.22 UNDER SLAB S100, S200 COMMERCIAL GRADE CONTINUOUS VAPOR PERMEABLE AIR BARRIER AT 39 SF 4831 \$0.30 \$1,434.81 0.012 57.97 \$71.22 \$0.85 \$4,128.82 \$5,563.63 CONCRETE WALLS **GRANITE CURB** VA-4 GRANITE CURB W/6" REVEAL · HIGH EARLY STRENGTH CEMENT CONCRETE C102, C501 LF 0.231 138.14 598 \$8.19 \$4,897.62 \$79.40 \$18.34 \$10,967.47 \$15,865.09 PROP. SAWCUT SEAL W/ IR PROP. BIT. CONC. TOP COURSE 4" CONCRETE CEMENT CONCRETE SIDEWALK W/ BROOM FINISH · 6" CRUSHED STONE BASE OVER COMPACTED SUBGRADE C102, C501 - PROVIDE 1/2" CONSTRUCTION CONTROL JOINTS \$2,722.13 \$3,857.97 41 SF 433 \$2.63 \$1,135.84 0.097 41.97 \$64.86 \$6.29 - PRVIDE A TOOLED DUMMY JOINT 1/4"Wx1/2"D AS NEEDED TO PROVIDE SYMMETRY POROUS CONCRETE 6" STORMCRETE POROUS CONCRETE SIDEWALK BY POROUS TECHNOLOGIES 1.888.357.1161 - 1/8" OPEN JOINT WITH (2) HDPE TAPERED SPACERS PER JOINT - 2" PERMEABLE BASE AGGREGARE: ASTM NO. 8 WASHED CRUSHED STONE 42 L1, L6 SCREEDING COURSE SF 432 \$3.65 \$1,574.64 0.110 47.52 \$64.86 \$7.13 \$3,081.96 \$4,656.60 - BIAXIAL GEOGRID-6" BENEATH NO. 8 STONE AND AT BOTTOM OF TRENCH - 1'-10 1/2" PERMEABLE BASE AGGRAGATE: ASTM NO. 57 WASHED CRUSHED STONE RESERVOIR COURSE COMPACTED SUBGRADE CURB \$279.00 \$108.50 \$67.82 \$388.60 \$151.12 \$259.62 43 5"x12" CONCRETE CURB/ SLAB EDGE 5.730 2.23 S100 CY 0.4 2 of 3

OVERHEAD & PROFIT 25.00% \$ 2.00% \$ **BONDING** 5.00% \$ CONTINGENCY / WASTAGE PROPOSED PROJECT AMOUNT **TOTAL MANHOURS** PROJECT NAME DATE SCOPE OF WORK PROJECT LOCATION MATERIAL **LABOR** DWG REF./ **UNIT OF** LINE **UNIT LABOR** ITEM DESCRIPTION **QUANTITY LABOR UNIT PRICE TOTAL COST TOTAL COST** LABOR RATE CSI SEC. **MEASURE UNIT PRICE TOTAL** NO. **HOUR HOURS** S.TAX, O&P **SUBTOTAL LABOR** DIV. 01 GENERAL REQUIREMENTS **SUBTOTAL MATERIAL** 47,500 47,500 \$ \$47,500.00 \$47,500.00 1 PERMITS, SITE SUPERVISION, FINAL CLEANUP & DUMPSTER LS \$47,500.00 443,819 \$ 547,531 \$ DIV. 32 SUBTOTAL MATERIAL 103,712 **SUBTOTAL LABOR** EXTERIOR IMPROVEMENTS **BUILDING STONE/GRAVEL** 12" GRAVEL OR CRUSHED STONE UNDER SLAB ON GRADE OVER FILTER \$28,314.78 S102 SF 12440 \$1.03 \$12,875.40 0.022 273.68 \$56.41 \$1.24 \$15,439.38 **FABRIC** DEMOLITION 0.185 8.19 \$10.44 \$461.92 \$461.92 REMOVE EXISITNG CONCRETE CURB LF 44 \$56.41 4 0.025 \$193.22 \$193.22 REMOVE EXISITNG CONCRETE PORCH W/ ASSOCIATED ASSEMBLY SF 137 3.43 \$56.41 \$1.41 0.025 SF 2.96 \$56.41 \$1.41 \$166.75 \$166.75 REMOVE EXISTING CONCRETE LANDING 118 REMOVE EXISTING CONCRETE STEPS EΑ 40 0.125 5.00 \$56.41 \$7.05 \$282.07 \$282.07 7 REMOVE EXISTING EDGE OF BIT DRIVEWAY SF 179 0.025 4.48 \$56.41 \$1.41 \$252.59 \$252.59 8 **REMOVE EXISTING TREES** EΑ 2 2.425 4.85 \$56.41 \$136.80 \$273.61 \$273.61 9 REMOVE EXISTING 2-STORY WOOD DWELLING UNITS (4 LOC) \$15,661.82 \$15,661.82 CF 62150 0.002 124.30 \$126.00 \$0.25 REMOVE EXISTING SHED 10 SF 145 3.625 525.63 \$56.41 \$204.50 \$29,652.61 \$29,652.61 AREA: 145 SF C101 REMOVE EXISTING TRAILER (1 LOC) 11 SF 5.625 1265.63 \$56.41 \$317.33 \$71,398.97 \$71,398.97 AREA: 225 SF REMOVE EXISTING DOGHOUSE 12 CF 200 0.500 100.00 \$56.41 \$28.21 \$5,641.40 \$5,641.40 AREA: 20 SF REMOVE EXISTING CONCRETE BULKHEAD AND STEPS 13 SF \$1,827.81 \$1,827.81 36 0.900 32.40 \$56.41 \$50.77 AREA: 36 SF REMOVE EXISTING CONCRETE DECK 14 SF 111 0.065 7.22 \$56.41 \$3.67 \$407.03 \$407.03 AREA: 111 SF CONSTRUCTION ENTRANCE NEW CONSTRUCTION ENTRANCE 15 C101, C502 - SIZE: 25'-0"x12'-0"x0'-6" THK SF 300 \$1.13 \$337.50 0.042 12.60 \$56.41 \$2.37 \$710.82 \$1,048.32 - FILTER FABRIC: MIRAFI 600X OR APPROVED EQUAL CONSTRUCTION FENCE/ EROSION CONTROL NEW CONSTRUCTION FABRIC FENCE @5'-0" HT W/ - LINE POST 2 3/8" DIA @10'-0" C.C. EXPANSION SLEEVE CHAIN LINK FABRIC (2 1/2" MESH) BAR BANDS @12" INTERVALS C101, C502 LF 520 \$11.03 \$5,733.00 0.143 74.36 \$72.67 \$10.39 \$5,403.61 \$11,136.61 TURNBUCKLE (6" TAKUP) END POST 3" DIA W/ END POST CAP TOP RAIL 1 3/4" DIA - INSTALL 3 VARBED WIRES W/ 45 DEGREE WITH EROSION CONTROL BARRIER WOOD FENCE 8'-0"H WOOD COMPOSITE FENCE W/ · 1x4 RAIL CAP, WHITE CEDAR, SHOP ALLPIED SATIN 1x4 FASCIA BOARD AT TOP, WHITE CEDAR, SHOP APPLIED SATIN 2x4 BACKING RAIL AT TOP, WHITE CEDAR, SHOP APPLIED SATIN 5x5 POST, WHITE CEDAR, SHOP APPLIED SATIN 17 LF \$16.88 \$1,755.00 0.143 14.87 \$72.67 \$10.39 \$1,080.72 \$2,835.72 104 1x5 V-GROOVE BOARDS, WHITE CEDAR, SHOP APPLIED SATIN 2x4 BACKING RAIL AT BOTTOM, WHITE CEDAR, SHOP APPLIED SATIN 1x4 FASCIA BOARD AT BOTTOM, WHITE CEDAR, SHOP APPLIED SATIN - 2" DIA SCHEDULE 40 GALVANIZED PIPE CORE DRILLED INTO FENCE 6'-0"H WOOD COMPOSITE FENCE W/

\$16.88

\$273.80

\$166.50

\$46.35

\$2.36

\$4,365.00

\$2,925.00

\$1.08

\$13.95

\$16.52

\$202.50

\$2.57

\$1,125.00

\$329.40

\$273.80

\$1.80

\$5.63

\$273.80

\$273.80

22,361

\$14.98

\$66.56

\$149.63

\$59.40

\$1,278.90

\$693.97

\$803.25

\$449.82

\$7,972.59

\$3,285.00

\$5,355.00

\$810.00

\$108.00

\$216.00

\$108.00

\$990.00

\$1.87

\$3.83

\$5.99

\$7.43

\$11.03

\$33.53

\$38.25

\$18.90

\$885.84

\$1,642.50

\$2,677.50

\$405.00

\$108.00

\$108.00

\$108.00

\$990.00

169

3.0

3.0

3.0

84

520

1

112

551

4

222

42.1

23.9

3192

285.5

220.0

65.5

2826

0.7

0.7

0.7

0.2

0.2

0.2

328.5

3199.6

328.5

3199.6

LF

CY

CY

CY

EΑ

LF

LF

EΑ

EΑ

LF

SF

EΑ

SF

LS

CY

CY

SF

CY

CY

CY

SF

CY

SUBTOTAL MATERIAL

8

17

25

116

21

21

2

1

88.9

66.7

22.2

99.2

92.5

6.7

QUANTITY

56.7

52.8

3.9

BID ALTERNATE MATERIAL

UNIT PRICE

TOTAL COST

SUBTOTAL MATERIAL

LF

LF

LF

LF

LF

LF

LF

LF

EΑ

EΑ

EΑ

EΑ

EΑ

EΑ

EΑ

EΑ

CY

CY

CY

CY

CY

CY

UNIT OF

MEASURE

CY

 CY

CY

SUBTOTAL MATERIAL

\$2,851.88

\$813.00

\$666.00

\$3,870.23

\$1,228.50

\$17,460.00

\$2,925.00

\$120.96

\$7,686.45

\$578.03

\$810.00

\$569.43

\$1,125.00

\$13,852.37

\$6,543.16

\$5,745.60

\$15,897.94

\$201.50

\$65.81

0.143

6.415

1.189

0.298

1.725

0.186

0.037

66.000

56.000

0.045

0.540

0.040

3.000

0.029

12.250

5.017

6.415

0.037

0.679

0.361

0.170

0.100

6.415

0.679

0.170

6.415

0.679

0.170

0.679

0.679

0.361

0.170

0.023

0.027

0.036

0.047

0.104

0.185

0.200

0.500

4.785

25.705

49.193

2.125

0.500

0.500

0.500

6.000

0.679

0.361

0.170

0.679

0.361

0.170

UNIT LABOR

HOUR

0.679

0.361

0.170

24.17

19.05

3.53

0.88

6.90

15.53

19.24

264.00

5.04

297.54

12.00

6.44

12.25

210.98

153.30

118.10

193.86

79.42

11.14

282.63

4.72

0.50

0.13

1.54

0.16

0.04

223.05

2172.51

118.59

543.93

SUBTOTAL LABOR

\$63.01

\$63.01

\$63.01

\$63.01

\$63.01

\$84.41

\$84.41

\$77.72

\$77.72

\$75.59

\$75.59

\$74.38

\$77.72

\$77.72

\$77.72

\$77.72

\$56.41

\$56.41

\$56.41

\$56.41

\$56.41

\$56.41

LABOR

LABOR RATE

\$56.41

\$56.41

\$56.41

0.18

0.47

0.90

0.37

12.01

3.83

4.20

11.90

43.07

51.41

98.39

4.25

0.50

1.00

0.50

6.00

60.36

24.07

3.78

67.35

33.39

1.13

LABOR

HOURS

38.50

19.06

0.66

SUBTOTAL LABOR

SUBTOTAL LABOR

\$72.67

\$69.96

\$56.41

\$56.41

\$72.67

\$84.07

\$71.22

\$75.59

\$94.56

\$59.50

\$64.23

\$56.41

\$56.41

\$139.78

\$56.41

\$73.45

\$69.96

\$71.22

\$56.41

\$56.41

\$56.41

\$62.85

\$69.96

\$56.41

\$56.41

\$69.96

\$56.41

\$56.41

\$56.41

\$56.41

\$56.41

\$56.41

\$10.39

\$448.80

\$67.05

\$16.78

\$125.35

\$15.64

\$2.64

\$4,988.90

\$5,295.57

\$2.68

\$34.68

\$2.26

\$169.24

\$4.05

\$691.07

\$368.48

\$448.80

\$2.64

\$38.31

\$20.37

\$9.59

\$6.28

\$448.80

\$38.31

\$9.59

\$448.80

\$38.31

\$9.59

\$38.31

\$38.31

\$20.37

\$9.59

23,064

\$1.42

\$1.70

\$2.27

\$2.93

\$6.52

\$15.62

\$16.88

\$38.86

\$371.89

\$1,943.00

\$3,718.50

\$158.06

\$38.86

\$38.86

\$38.86

\$466.32

\$38.31

\$20.37

\$9.59

\$38.31

\$20.37

\$9.59

UNIT PRICE

\$38.31

\$20.37

\$9.59

3,284

5,747

\$1,756.17

\$1,332.64

\$199.10

\$49.83

\$501.41

\$1,305.72

\$1,370.29

\$19,955.60

\$5,295.57

\$299.86

\$19,109.86

\$78.98

\$676.97

\$899.87

\$691.07

\$15,495.63

\$10,725.38

\$8,411.48

\$10,936.36

\$4,480.40

\$628.23

\$17,762.16

\$330.29

\$28.19

\$7.06

\$107.87

\$9.21

\$2.31

\$12,582.94

\$122,559.70

\$6,689.90

\$30,685.05

\$11.34

\$29.60

\$56.71

\$23.44

\$756.46

\$323.24

\$354.51

\$924.87

\$3,347.01

\$3,886.00

\$7,437.00

\$316.13

\$38.86

\$77.72

\$38.86

\$466.32

\$3,404.90

\$1,357.70

\$213.12

\$3,799.24

\$1,883.80

\$64.03

TOTAL COST

\$2,171.80

\$1,075.30

\$37.12

\$4,608.05

\$2,145.64

\$199.10

\$49.83

\$1,167.41

\$5,175.94

\$2,598.79

\$37,415.60

\$8,220.57

\$420.82

\$26,796.31

\$657.00

\$1,486.97

\$1,469.30

\$1,816.07

\$29,347.99

\$17,268.54

\$14,157.08

\$10,936.36

\$4,480.40

\$628.23

\$33,660.10

\$531.79

\$28.19

\$7.06

\$173.68

\$9.21

\$2.31

\$12,582.94

\$122,559.70

\$6,689.90

\$30,685.05

45,425 \$

\$26.32

\$96.16

\$206.33

\$82.84

\$2,035.36

\$1,017.20

\$1,157.76

\$1,374.69

\$11,319.60

\$7,171.00

\$12,792.00

\$1,126.13

\$146.86

\$293.72

\$146.86

\$1,456.32

\$3,404.90

\$1,357.70

\$213.12

\$3,799.24

\$1,883.80

\$64.03

LINE

TOTAL

\$2,171.80

\$1,075.30

\$37.12

3,284 \$

5,747 \$

8,201

TRADE

TOTAL

4,687

3 of 3

63,966

CONSTRUCTION COST ESTIMATE BREAKDOWN

ADDRESS

TOTAL MATERIAL COST

TOTAL LABOR COST

SUBTOTAL

SALES TAX

LABOR BURDEN

126,073

520,130

646,203

7,880

52,013

161,551

17,353

32,310

917,310

7747.17

TRADE

TOTAL W/

67,783

777,360

6.25% \$

10.00% \$

CONTRACTOR

· 1x4 RAIL CAP, WHITE CEDAR, SHOP ALLPIED SATIN

5x5 POST, WHITE CEDAR, SHOP APPLIED SATIN

12" CONCRETE SONO TUBE FOOTING TO FROST

EXCAVATION PROVIDED FOR FOOTING

HAULING OFF EXTRA MATERIAL

SQUARE CORNER KEYED

SILT SACK@ 3'-0" O.C. W/ OPTIONAL OVERFLOW

TRANSFORMER VAULT

DECORATIVE STONE STRIPS

WARNING STRIPS/ RAMP

TRAFFIC CONTROL SIGNAGE

18" LONG STEEL STAKE: **411 LF** COMPACTED SUBGRADE

DTECTABLE WARNING STRIPS AREA

ASPHALT REPAIR AND PATCHING

6'-0" HT CONCRETE RETAINING WALL W/

4" DIA SCH. 40 PERFORATED DRAIN PIPE

- SMOOTH AND TROWEL FINISH 1/2" CHAMFER, BOTH SIDES EPOXY COATED REBAR 12" O.C. E.W

STONE STRIPS

SIGNAGE

IN THE STREET

ALLOWNACE

RETAINING WALL

· 2"x4" KEY

FOUNDATION

FORMWORK

EXCAVATION

PAVERS

ASTM NO. 57 TRIAXIAL GEOGRID

POLES: 15

EARTHWORK

EXCAVATION

HAUL-OFF

NO: 3

EARTHWORK

EXCAVATION

EXCAVATION

BACKFILL

UTILITIES

UNDERGROUND PIPING 2" HDPE DRAIN PIPE

4" HDPE DRAIN PIPE

6" HDPE DRAIN PIPE

8" HDPE DRAIN PIPE

10" HDPE DRAIN PIPE

DOMESTIC WATER PIPE

- PVC ASTM D3034-SDR 35

CAST IRON DRAIN BUCKET

- (4) 10" DIA KNOCKOUTS

30" DOMESTIC CONCRETE MANHOLE

- 24" DIA CAST IRON FRAME AND COVER BRICK

FIRE WATER PIPE

SEWER PIPE LINE

AREA DRAIN AREA DRAIN

MANHOLE

CATCH BASIN

CONNCTIONS

TRENCH

TRENCHING

EXCAVATION

HAULOFF/IMPORT

EARTHWORK

EXCAVATION

HAULOFF/IMPORT

ALTERNATE #1

EARTHWORK

BACKFILL

HAULING OFF EXTRA MATERIAL

EXCAVATION PROVIDED FOR PIPING

HAULING OFF EXTRA MATERIAL FOR PIPING

EXCAVATION PROVIDED FOR PVC PIPING

HAULING OFF EXTRA MATERIAL FOR PVC PIPING

BACKFILL PROVIDED FOR PVC PIPING

BACKFILL PROVIDED FOR PIPING

BACKFILL

WATER GATE VALVE

SEWER CONNECTION

WATER CONNECTION

UTILITY TRENCH

STORM DRAIN CONNECTION

WOOD SHEETING IF REQUIRED

EXCAVATION PROVIDED FOR UTILITY WORKS

VALVE

C103, C501 CATCH BASIN

CORRUGATED PLASTIC PIPE ASTM F2648

- CORRUGATED PLASTIC PIPE ASTM F2648

- 2" CONCRETE LINED DUCTILE IRON PIPE

- 6" CONCRETE LINED DUCTILE IRON PIPE

AREA DRAIN GATE AND FRAME 8" MIN. GRATE BOLTED TO FRAME

DRAIN AS MANUFACTURED BY JOSAM SERIES 35580 OR EQUAL

- PIPE BEDDING CONSISTING OF 1/2 TO 3/4 INCH CRUSHED STONE

BACKFILL PROVIDED FOR UTILITY WORKS OVER BEDDING MATERIAL

ITEM DESCRIPTION

HAULOFF/IMPORT

BUILDING EARTHWORK

EXCAVATION PROVIDED FOR FOOTING

BACKFILL PROVIDED FOR FOOTING

HAULING OFF EXTRA MATERIAL

EXCAVATION PROVIDED FOR BASEMENT SLAB ON GRADE

HAUL-OFF

STONE ASTM NO. 2

FORMWORK REQUIRED

PERMEABLE PAVERS W/

EXCAVATION PROVIDED FOR FOOTING

BACKFILL PROVIDED FOR FOOTING

HAULING OFF EXTRA MATERIAL

ANGULAR STONE ASTM NO. 8

ANGULAR STONE ASTM NO. 8

MIRAFI 140N FILTER FABRIC COMPACTED SUBGRADE

OUTDOOR POWER STATION

UTILITY POLES (FURNISH & INSTALL POLE BASES)

EXCAVATION

GUARDRAIL

SILT SACK

DUMP LOOPS

L1, L7

L1, L7

L1, L7

C101, C502

C103, C501

C103

C103

L1, L7

L1, L7

C103

C103

C103

L1, L7

L1, L6

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LINE

NO.

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73

74

S100, S200

S100, S200

S100, S200

DIV. 33

C103

C103, C501

C103, C501

C103

C103

C103, C501

DIV. 31

P100

P100

P100

DWG REF./

CSI SEC.

ALT-1

P101

· 1x4 FASCIA BOARD AT TOP, WHITE CEDAR, SHOP APPLIED SATIN

2x4 BACKING RAIL AT TOP, WHITE CEDAR, SHOP APPLIED SATIN

1x5 V-GROOVE BOARDS, WHITE CEDAR, SHOP APPLIED SATIN

2x4 BACKING RAIL AT BOTTOM, WHITE CEDAR, SHOP APPLIED SATIN 1x4 FASCIA BOARD AT BOTTOM, WHITE CEDAR, SHOP APPLIED SATIN · 2" DIA SCHEDULE 40 GALVANIZED PIPE CORE DRILLED INTO FENCE

3'-2"W x 8' HT WOOD GATE W/ SELF LATCHING SS HARDWARE AS NOTED

- PROVIDE EMTEK, MODEL HANOVER 510, COLOR: FLAT BLACK US19,

42" HT ALUMINUM GUARDRAIL OVER RETAINING WALL

· 1" REBAR FOR BAG REMOVAL FROM INLET

- 20" DIA CLEANOUT COVER 3 PLACES · 4" DIA INLET RUBBER BOOT W/ CLAMP

- 2" DIA INLET RUBBER BOOT W/ CLAMP · 8" DIA INLET RUBBER BOOT W/ CLAMP

10'-6"x5'-8" 1000 GAL. LEDGE CONCRETE TANK W/

TONGUE AND GROOVE JOINT SEALED W/ BUTYL RESIN

TRANSFORMER VAULT W/ ASSOCIATED PAD & ASSEMBLY

PROVIDE A SMOOTH, NATURALLY ROUNDED BOTTOM STONE 1.5-2" IN SIZE

PROVIDE ASPHALT PATCH AND REPAIR WHERE UTILITIES ARE CONNECTING

PROVIDE ALLOWANCE FOR POLICE DETAILS AT ROAD CROSSING WHILE

WASHED 3/4" CRUSHED STONE WRAPPED IN FILTER FABRIC, BOTH SIDES

2'-10"x1'-0" CONCRETE FOOTINGS W/ #4 EPOXY COATED REBAR 12" O.C. E.W

- PERMEABLE JOINT OPENING AGGREGATE: OPEN-GRADED, CRUSHED,

- PERMEABLE BASE AGGREGATE: OPEN-GRADED, CRUSHED, ANGULAR STONE

PERMEABLE SUBBASE AGGREGATE: OPEN-GRADED, CRUSHED, ANGULAR

9"DIA X 3'-0"D LIGHT BOLLARD FOOTING OVER COMPCATED GRAVEL BASE

10"DIA X 4'-0"D LIGHT BOLLARD FOOTING OVER COMPCATED GRAVEL BASE

- IF IMPORT PLEASE MAKE SURE THAT THE COST OF STRUCTURAL FILL IS CARRIED UNDER BITUMINOUS ASPHALT, CONCRETE, AND BUILDING. COMMON FILL CAN BE CARRIED IN OTHER AREAS. ALSO PLEASE

REMEMBER TO CARRY TRUCKING COSTS. IT COSTS ROUGHLY \$1,300 FOR 1 TRI-AXLE PER DAY THAT CARRIES (20CY). WE SHOULD ASSUME (4) LOADS

- IF EXPORT WE WILL ASSUME THAT ALL MATERIAL IS CLEAN. ASSUME THE SAME TRUCKING AS IMPORT, BUT ALSO CARRY A DISPOSAL FEE OF \$10 PER

PERMEABLE SETTING BED AGGREGARE: OPEN-GRADED, CRUSHED,

PROPOSED 12" RAISED CROSSWALK MARKING

- 3/16"x4" H PERMALOC EDGE, MILL FINISH: **411 LF**