

PUBLIC QUANTITIES

PUBLIC SITE CONSTRUCTION QUANTITY ESTIMATES

DESCRIPTION	QUANTITY
SEWER MANHOLE ADJUSTMENTS	1 EA.
24" STORM DRAIN	57 L.F.
STORM SEWER MANHOLE	2 EA.
CURB AND GUTTER (TYPE "L" & "A")	70 L.F.
CROSS GUTTER (# WIDE)	1232 S.F.
DRIVEWAY	1015 S.F.
SIDEWALK 4"	1867 S.F.
HANDICAP RAMP	4 EA.
SIDEWALK UNDERDRAIN	1 EA.
TYPE II GRAVEL BASE	78 C.Y.
4" ASPHALTIC CONCRETE PAVING	171 S.Y.
5" ASPHALTIC CONCRETE PAVING	96 S.Y.
2" STEM WALL (FCMU)	325 L.F.

PUBLIC WATER QUANTITY ESTIMATES

2" METER	4 EA.
2" GATE VALVE	2 EA.
2" RPPA	4 EA.
2" BRASS LINE	200 LF.
8" DCCA	1 EA.
8" WATER LINE	60 LF.
2" SERVICE TAP	2 EA.
90° BRASS BEND	2 EA.
24"x8" WET-TAPPING TEE W/ TAPPING VALVE	1 EA.

PRIVATE QUANTITIES

FOR REVIEW PURPOSES ONLY

NOT FOR BIDDING

EROSION CONTROL QUANTITY ESTIMATES

ITEM #	DESCRIPTION	QUANTITY
50	INSTALL SILT FENCE PER DETAIL 1, CD-2.0.	0
51	INSTALL CURB INLET SEDIMENT BARRIER PER DETAIL 2, CD-2.0. (POST PAVEMENT)	7 EA.
52	INSTALL BLOCK AND GRAVEL DROP INLET SEDIMENT FILTER PER DETAIL 3, CD-2.0. (PRE-PAVEMENT)	7 EA.
53	INSTALL TEMPORARY CONSTRUCTION EXIT PER DETAIL 4, CD-2.0.	67 L.F.
54	INSTALL TEMPORARY DIVERSION DIKE PER DETAIL 5, CD-2.0.	178 L.F.
55	INSTALL SAND BAG BERM WITH PIPES PER DETAIL 6, CD-2.0.	624 L.F.
56	INSTALL EXCAVATED INLET SEDIMENT TRAP PER DETAIL 7, CD-2.0.	0
57	INSTALL TEMPORARY SEDIMENT BASIN PER DETAIL 8, CD-2.0.	148 L.F.
58	INSTALL EROSION CONTROL BLANKET PER DETAIL 9, CD-2.0.	1651 S.Y.
59	INSTALL ROCK CHECK DAM PER DETAIL 10, CD-2.0.	0

SITE CONSTRUCTION QUANTITY ESTIMATES

ITEM #	DESCRIPTION	QUANTITY
1	CONSTRUCT TYPE "A" CURB AND GUTTER PER DETAIL 1, CD-1.1.	2,654 L.F.
2	CONSTRUCT TYPE "B" CURB PER DETAIL 2, CD-1.1.	2,039 L.F.
3	CONSTRUCT TYPE "A" CONCRETE RAMP PER DETAIL 3, CD-1.1.	000 L.F.
4	CONSTRUCT TYPE "B" CONCRETE RAMP PER DETAIL 4, CD-1.1.	25 L.F.
5	CONSTRUCT TYPE "C" CONCRETE RAMP PER DETAIL 5, CD-1.1.	000 L.F.
6	INSTALL DETECTABLE WARNING PER DETAIL 6, CD-1.1.	000 L.F.
7	CONSTRUCT ASPHALT TURNDOWN PER DETAIL 7, CD-1.1.	170 L.F.
8	CONSTRUCT CONCRETE TURNDOWN PER DETAIL 8, CD-1.1.	29 L.F.
9	CONSTRUCT MONOLITHIC CURB AND SIDEWALK PER DETAIL 9, CD-1.1.	0
10	INSTALL REGULAR DUTY ASPHALT PAVEMENT PER DETAIL 10, CD-1.1.	11,805 S.Y.
11	INSTALL HEAVY DUTY ASPHALT PAVEMENT PER DETAIL 10, CD-1.1.	2,014 S.Y.
12	INSTALL REGULAR DUTY CONCRETE PAVEMENT PER DETAIL 10, CD-1.1.	0
13	INSTALL HEAVY DUTY CONCRETE PAVEMENT PER DETAIL 10, CD-1.1.	1,868 S.Y.
14	CONSTRUCT CONCRETE SIDEWALK PER DETAIL 11, CD-1.1.	318 L.F.
15	CONSTRUCT CART CROSSING PER DETAIL 13, CD-1.1.	0
16	INSTALL CART CORRAL PER DETAIL 14, CD-1.1.	6 EA.
17	INSTALL STANDARD PIPE BOLLARD PER DETAIL 1, CD-1.0.	22 EA.
18	INSTALL STANDARD SIGN BASE PER DETAIL 2, CD-1.0.	0
19	INSTALL ACCESSIBLE PARKING SIGN PER DETAIL 3, CD-1.0.	7 EA.
20	INSTALL "TRUCK DRIVE" SIGN PER DETAIL 4, CD-1.0.	1 EA.
21	INSTALL AISLE SIGN PER DETAIL 5, CD-1.0.	9 EA.
22	INSTALL PEDESTRIAN CROSSING SIGN PER DETAIL 6, CD-1.0.	2 EA.
23	INSTALL "TRUCK ENTRANCE" SIGN PER DETAIL 7, CD-1.0.	0
24	INSTALL "NO PARKING-FIRE LANE" SIGN PER DETAIL 8, CD-1.0.	11 EA.
25	INSTALL "STOP" SIGN PER DETAIL 10, CD-1.0.	4 EA.
26	INSTALL "TRUCK ENTRANCE" SIGN PER DETAIL 11, CD-1.0.	1 EA.
27	INSTALL "TRUCK EXIT" SIGN PER DETAIL 12, CD-1.0.	1 EA.
28	INSTALL TRAFFIC FLOW ARROWS AS INDICATED PER DETAIL 9, CD-1.0.	0
29	INSTALL "VAN" PAVEMENT MARKINGS PER DETAIL 13, CD-1.0.	2 EA.
30	INSTALL "ENTER" PAVEMENT MARKINGS PER DETAIL 14, CD-1.0.	0
31	INSTALL STOP BAR PAVEMENT MARKINGS PER DETAIL 15, CD-1.0.	3 EA.
32	INSTALL ACCESSIBLE PARKING SPACE SYMBOL PER DETAIL 16, CD-1.0.	6 EA.
33	INSTALL LIGHT POLE BASE PER DETAIL 1, CD-1.2.	29 EA.
34	INSTALL STEM WALL PER DETAIL 2, CD-1.2.	0
35	PAINT YELLOW STRIPING PER SPECIFICATIONS	6641 L.F.
36	PAINT WHITE STRIPING PER SPECIFICATIONS	0
37	PAINT (2) 4" STRIPES SPACED 10' O.C. x 130' LONG CENTERED ON DOCK DOORS	492 L.F.
38	PAINT 4" W AT 2' O.C. DIAGONAL PAVEMENT STRIPING	846 L.F.
39	INSTALL SLOPED PAVEMENT TO MEET STOOP (1:20 MAX)	1 EA.

GRADING QUANTITY ESTIMATES

ITEM #	DESCRIPTION	QUANTITY
40	CONSTRUCT STORM DRAIN MANHOLE PER DETAIL 1, CD-2.1.	8 EA.
41	CONSTRUCT AREA DROP INLET PER DETAIL 2, CD-2.1.	0
42	CONSTRUCT GRATED CURB INLET PER DETAIL 3, CD-2.1.	4 EA.
43	CONSTRUCT CURB OPENING CATCH BASIN PER DETAIL 4, CD-2.1.	3 EA.
44	INSTALL STORM DRAIN PIPE PER DETAIL 5, CD-2.1.	1451 L.F.
45	CONSTRUCT 3" CONCRETE VALLEY GUTTER PER DETAIL 6, CD-2.1.	1 EA.
46	INSTALL EXTERIOR DOWNSPOUT COLLECTOR PER DETAIL 7, CD-2.1.	5 EA.
47	CONSTRUCT TEMPORARY DROP INLET PER DETAIL 8, CD-2.1.	0
48	INSTALL 12" TRENCH DRAIN PER DETAIL 9, CD-2.1.	0

ESTIMATED EARTHWORK QUANTITIES

CUT: 9,138 CY
FILL: 8,038 CY

NET CUT: 1,100 CY

NOTE:

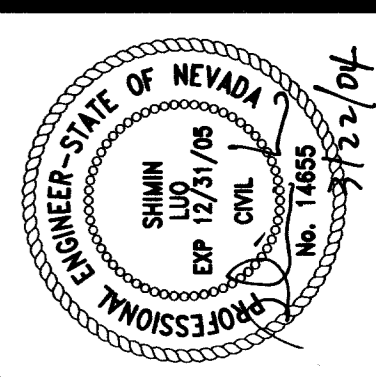
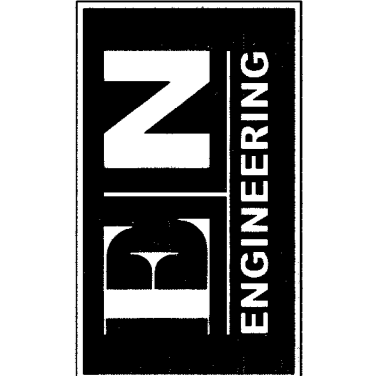
THESE QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY. NO SHRINKAGE FACTOR HAS BEEN INCLUDED. CONSIDERATIONS SUCH AS SHRINKAGE, OVEREXCAVATION, CALICHE, BOULDERS, ETC. WILL LIKELY AFFECT THE ACTUAL FIELD FILL AND CUT QUANTITIES. IT IS RECOMMENDED THAT THE CONTRACTOR CONSULT WITH THE SOILS ENGINEER AND PROVIDE HIS OWN FINAL QUANTITIES PRIOR TO BIDDING THE PROJECT. THE CIVIL ENGINEER ACCEPTS NO LIABILITY FOR VARIATIONS IN THE ACTUAL EARTHWORK QUANTITIES.

UTILITY QUANTITY ESTIMATES

ITEM #	DESCRIPTION	QUANTITY
60	INSTALL FIRE HYDRANT PER DETAIL 1, CD-3.0. & PER UDACS PL. #7	4 EA.
61	INSTALL 8" DCCA PER UDACS PLATE 11C.	SEE PUBLIC
62	INSTALL 2" METER FOR SERVICE CONNECTION PER DETAIL 4, CD-3.0. & PER UDACS PL. #1D	SEE PUBLIC
63	INSTALL 8" GATE VALVE PER DETAIL 6, CD-3.0. THRUST BLOCKING PER DETAIL 3, CD-3.0.	SEE PUBLIC
64	INSTALL 6" GATE VALVE PER DETAIL 6, CD-3.0. THRUST BLOCKING PER DETAIL 3, CD-3.0.	4 EA.
65	INSTALL 8" PVC LINE PER TRENCHING AND BEDDING DETAIL 5, CD-3.0.	1,784 L.F.
66	INSTALL 6" PVC LINE PER TRENCHING AND BEDDING DETAIL 5, CD-3.0.	70 L.F.
67	INSTALL 2" COPPER LINE PER TRENCHING AND BEDDING DETAIL 5, CD-3.0.	817 L.F.
68	NOT USED	
69	INSTALL TEE PER DIMENSIONS SHOWN ON PLAN, THRUST BLOCKING PER DETAIL 3, CD-3.0.	6 EA.
70	INSTALL 90 DEGREE VERTICAL BEND WITH THRUST BLOCKING PER DETAIL 3, CD-3.0.	0
71	INSTALL 90 DEGREE HORIZONTAL BEND WITH THRUST BLOCKING PER DETAIL 3, CD-3.0.	6 EA.
72	INSTALL 45 DEGREE HORIZONTAL BEND WITH THRUST BLOCKING PER DETAIL 3, CD-3.0.	6 EA.
73	INSTALL 22 1/2 DEGREE HORIZONTAL BEND WITH THRUST BLOCKING PER DETAIL 3, CD-3.0.	0
74	INSTALL 11 1/2 DEGREE HORIZONTAL BEND WITH THRUST BLOCKING PER DETAIL 3, CD-3.0.	0
75	INSTALL POST INDICATOR VALVE PER CITY STANDARDS.	1 EA.
76	INSTALL FIRE DEPARTMENT CONNECTION PER CITY STANDARDS.	1 EA.
77	INSTALL POINT OF CONNECTION MARKER PER DETAIL 7, CD-3.0.	7 EA.
78	INSTALL 2" RPPA PER UDACS PL. #11A	SEE PUBLIC
79	INSTALL 4" SANITARY SEWER LINE WITH TRENCHING AND BEDDING DETAIL 5, CD-3.0.	111 LF.
80	CONSTRUCT SANITARY SEWER MANHOLE PER DETAIL 8, CD-3.0. MANHOLE RING AND COVER PER DETAIL 10, CD-3.0.	3 EA.
81	INSTALL SANITARY SEWER CLEANOUT PER DETAIL 9, CD-3.0.	4 EA.
82	INSTALL DOUBLE SANITARY SEWER CLEANOUT.	2 EA.
83	INSTALL 6" SANITARY SEWER LINE WITH TRENCHING AND BEDDING DETAIL 5, CD-3.0.	288 L.F.
84	INSTALL 8" SANITARY SEWER LINE WITH TRENCHING AND BEDDING DETAIL 5, CD-3.0.	615 L.F.
85	INSTALL WYE JOINT	40 L.F.
86	TRENCH, SAWCUT, AND MATCH PER USDDCCA DWG. NO. 504	0
87	LAS VEGAS UTILITY EASEMENT-SEE PLAN FOR SIZE	0
88	24"x8" WET-TAPPING SLEEVE W/8" TAPPING VALVE PER UDACS PL. NO. 22	SEE PUBLIC
89	2" SERVICE TAP WITH CORP. STOP PER UDACS PL. NO. 1D	SEE PUBLIC
90	INSTALL TWO (2) - 4" PVC CONDUITS FOR ELECTRIC SERVICE. REFER TO NEVADA POWER PLANS.	1,066 L.F.
91	INSTALL ONE (1) - 4" PVC CONDUIT FOR TELEPHONE SERVICE. REFER TO SPRINT PLANS.	0
92	INSTALL PULLBOX PER NEVADA POWER PLANS.	0
93	INSTALL PULLBOX PER SPRINT PLANS.	0
94	INSTALL (1) 1" CONDUIT FOR FIRE PROTECTION TAMPER SWITCH	1386 L.F.
95	INSTALL (1) 2" FIBER OPTIC DATALINE CONDUIT FOR GAS STATION	483 L.F.
96	PROPOSED GAS SERVICE LINES TO BE INSTALLED BY GAS COMPANY; CONTRACTOR TO COORDINATE	0
97	FOR STORM/SEWER/WATER CROSSING, SEE DETAIL ON SHT. C-5-D	0
98	INSTALL 90° BRASS BEND	SEE PUBLIC
99	NOT USED	
100	INSTALL FIRE LANE SIGN SEE DETAIL ON SHEET CD-3.0	16 EA.

REVISIONS	DATE	DESCRIPTION

Planning Civil Engineering Surveying
1920 MAIN STREET, SUITE 800 IRVINE, CA 92614
TEL: (949) 456-0777 FAX: (949) 456-0779
246 E. WARM SPRINGS ROAD, SUITE 100, LAS VEGAS, NV 89119
TEL: (702) 866-8604 FAX: (702) 866-8605



JONES BOULEVARD AT
LAKE MEAD BOULEVARD
IMPROVEMENT PLANS
CIVIL CONSTRUCTION
QUANTITIES ESTIMATES

WAL-MART NEIGHBORHOOD
MARKET #5259-00
LAS VEGAS, NEVADA
WAL-MART STORES, INC.
BENTONVILLE, AR

DRAWN ML
CHECKED ML
EN JOB No. 01-541
REAL ESTATE APPROVAL DATE: 5/12/02
ORIGINAL ISSUE DATE: 10/15/03
PERMIT SET ISSUE DATE: TBD
CONSTRUCTION SET ISSUE DATE: TBD
SHEET
C-3.0
3 OF 20 SHEETS

Call before you OVERHEAD
1-702-593-8111
SAFETY IS EVERYONE'S RESPONSIBILITY

Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE ALERT (USA)

APPROVED FOR CONSTRUCTION:
Robert J. Morgan 6/15/04
LAS VEGAS VALLEY WATER DISTRICT PROJ #2177 DATE

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