

D:\314M07\PROJECTS\05 - HED. JUL 20 11 24 58 1994. SHARED 1-9. WHELDIT 10. SCLD 11 8. UP. 465-50410  
 HP 3esigmet 6001. HP=62/2. 401. 4.2 plotter on ver by Healdett-Peckard 1.0

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	REMARKS
<b>STREET IMPROVEMENTS</b>				
1	CONSTRUCT 3" ASPHALT PAVEMENT WITH A 1" OVERLAY OVER 4" TYPE II AGGREGATE BASE.	S.Y.	31073	
2	CONSTRUCT 2" ASPHALT PAVEMENT WITH A 1" OVERLAY OVER 4" TYPE II AGGREGATE BASE.	S.Y.	13275	
3	INSTALL 6" "L" TYPE CURB AND GUTTER PER S.I.S. S-47.	L.F.	5650	
4	INSTALL 8" "L" TYPE CURB AND GUTTER PER S.I.S. S-47.	L.F.	8780	
5	INSTALL "A" TYPE ISLAND CURB AND GUTTER PER S.I.S. S-50.	L.F.	1086	
6	CONSTRUCT DEPRESSED CURB (QUANTITIES INCLUDED IN 4) FOR FUTURE SIDEWALK RAMPS PER S.I.S. S-75.	SEE 4		
7	CONSTRUCT 6" TO 8" CURB FACE (QUANTITIES INCLUDED IN 4) TRANSITION THROUGH CURB RETURN.	SEE 4		
8	CONSTRUCT DEPRESSED CURB (QUANTITIES INCLUDED IN 4) FOR FUTURE SIDEWALK RAMPS PER S.I.S. S-75.	SEE 4		NOT USED
9	CONSTRUCT 4.5" ASPHALT PAVEMENT OVER 6" TYPE II AGGREGATE BASE.	S.Y.		NOT USED
10	CONSTRUCT TYPE IIA BARRICADE PER N.D.O.T. STD. T-35.1.7 (625-626) STATE OF NEVADA STANDARD PLANS FOR ROAD AND BARRICADE CONSTRUCTION.	L.F.		NOT USED
11	INSTALL TYPE 3 MONUMENTS.	EA.	18	
12	CONSTRUCT CROSS GUTTER PER S.I.S. S-64	S.F.	1662	
A	REMOVE EXISTING CURB, GUTTER, LANDSCAPE AND PAVEMENT; SAWCUT LINE SHALL BE LOCATED 2 FEET FROM EXISTING LIP OF GUTTER. ASPHALT AND BASE COURSE REPLACEMENT IN THIS AREA SHALL MATCH EXISTING.	L.F.		NOT USED
B	REMOVE EXISTING FIRE HYDRANT AND RELOCATE.	EA.		NOT USED
C	REMOVE AND RELOCATE EXISTING METERS, BACKFLOW PREVENTION OR IRRIGATION VALVES PER IRRIGATION PLANS.	EA.		NOT USED
D	REMOVE AND SALVAGE STREET SIGN.	EA.		NOT USED
E	REMOVE GUARDRAIL.	L.F.		NOT USED
F	REMOVE SIDEWALK.	S.F.		NOT USED
G	SAWCUT REMOVE AND REPLACE EXISTING ASPHALT.	SF.		NOT USED
H	REMOVE AND REPLACE EXISTING "L" TYPE CURB AND GUTTER.	L.F.		NOT USED
I	RELOCATE PULLBOX.	EA.		NOT USED
J	REMOVE EXISTING BARRICADE.	L.F.	200	
<b>STORM DRAIN</b>				
1	INSTALL 18" RCP STORM DRAIN.	L.F.	655	
2	INSTALL 24" RCP STORM DRAIN.	L.F.	120	
3	INSTALL 36" RCP STORM DRAIN.	L.F.	392	
4	INSTALL 30" RCP STORM DRAIN.	L.F.	73	
5	INSTALL 42" RCP STORM DRAIN.	L.F.		NOT USED
6	INSTALL 48" RCP STORM DRAIN.	L.F.		NOT USED
7	INSTALL 54" RCP STORM DRAIN.	L.F.		NOT USED
8	INSTALL 29" X 45" ELLIPTICAL RCP STORM DRAIN.	L.F.		NOT USED
9	INSTALL 38" X 60" ELLIPTICAL RCP STORM DRAIN.	L.F.		NOT USED
10	INSTALL 12" PVC STORM DRAIN.	L.F.		NOT USED
11	INSTALL TYPE I STORM DRAIN MANHOLE PER S.I.S. D-1 AND D-2.	EA.	2	
12	INSTALL TYPE II STORM DRAIN MANHOLE PER S.I.S. D-1 AND D-4.	EA.		NOT USED
13	INSTALL TYPE III STORM DRAIN MANHOLE PER S.I.S. D-1 AND D-5.	EA.	1	
14	INSTALL TYPE IV STORM DRAIN MANHOLE PER S.I.S. D-1 AND D-6.	EA.		NOT USED
15	INSTALL TYPE 2 DROP INLET PER N.D.O.T. STD. R-4.2.1 (609) PG. R-32 STATE OF NEVADA STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION.	EA.	1	
16	INSTALL TYPE "A" DROP INLET PER S.I.S. D-12.	EA.		NOT USED
17	INSTALL TYPE "C" DROP INLET MODIFIED WITH WIDTH AS SPECIFIED PER S.I.S. D-14.	EA.	2	
18	INSTALL PLUG.	EA.	2	
19	CONSTRUCT JUNCTION STRUCTURE.	EA.		NOT USED
20	CONSTRUCT CONCRETE HEADWALL.	EA.		NOT USED
21	CONSTRUCT HEADWALL PER N.D.O.T. STD. R-2.7.1 (502) PG. R-25 STATE OF NEVADA STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION.	EA.		NOT USED
22	CONSTRUCT CONCRETE COLLAR.	EA.		NOT USED
23	CONSTRUCT 5' CONCRETE GUTTER.	L.F.		NOT USED
24	CONSTRUCT RIP-RAP (HEAVY).	C.Y.		NOT USED
A	REMOVE PLUG.	EA.	2	
B	REMOVE TYPE "A" DROP INLET PLUG END OF PIPE AND ABANDON PIPE IN PLACE.	EA.		NOT USED
C	REMOVE EXISTING DROP INLET.	EA.		NOT USED

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	REMARKS																																																			
<b>WATER</b>																																																							
1	INSTALL ALL WATER MAINS AND APPURTENANCES PER L.V.V.W.D. STD. PLATES.																																																						
2	INSTALL 3/4" POTABLE WATER METER PER L.V.V.W.D. STD. PLATE NO. 2	EA	1	NOT USED																																																			
3	INSTALL 8" PVC (C-900) WATER PIPE.	L.F.	2801																																																				
4	INSTALL 12" PVC (C-900) WATER PIPE.	L.F.	1623																																																				
5	INSTALL 8" GATE VALVE.	EA.	13																																																				
6	INSTALL 12" GATE VALVE.	EA.	5																																																				
7	INSTALL END CAP AND CORP STOP PER S.I.S. V-32.(L.V.V.W.D. STD. PLATE NO. 4)	EA.	18																																																				
8	INSTALL 12" X 8" CROSS AND THRUST BLOCK PER L.V.V.W.D. STD. PLATE NO. 5.	EA.		NOT USED																																																			
9	INSTALL 12" X 8" TEE AND THRUST BLOCK PER L.V.V.W.D. STD. PLATE NO. 5.	EA.	5																																																				
10	INSTALL 2" METER AND SERVICE LATERAL WITH BACKFLOW PREVENTION DEVICE PER L.V.V.W.D. STD. PLATE NO. 2 AND FOR FUTURE LANDSCAPE IRRIGATION.	EA.	3																																																				
11	INSTALL 2 - 6" PVC AND 2 - 4" PVC (SDR-35) SLEEVES FOR FUTURE ELECTRICAL OR IRRIGATION PURPOSES.	EA.	19																																																				
12	INSTALL 3" COMBINATION AIR VACUUM - AIR RELEASE ASSEMBLY PER L.V.V.W.D. PLATE NO. 37.	EA.		NOT USED																																																			
13	INSTALL 8" X 90° FITTING AND THRUST BLOCK PER L.V.V.W.D. STD. PLATE NO. 5.	EA.	5																																																				
14	INSTALL 12" X 45° FITTING AND THRUST BLOCK PER L.V.V.W.D. STD. PLATE NO. 5.	EA.	6	10																																																			
15	INSTALL 22" STEEL ENCASMENT FOR BRIDGE UNDERPASS	L.F.		NOT USED																																																			
16	INSTALL 12" X 6" TEE AND THRUST BLOCK PER L.V.V.W.D. STD. PLATE NO. 5.	EA.		NOT USED																																																			
17	INSTALL FIRE HYDRANT PER L.V.V.W.D. PLATE NO. 7.	EA.	3																																																				
18	INSTALL 12" X 8" REDUCERS.	EA.	10																																																				
19	REMOVE END CAP AND CONNECT TO EXISTING 12" WATER PIPE.	EA.	11																																																				
20	ADJUST EXISTING VALVE COVER TO GRADE.	EA.	2																																																				
21	ADJUST EXISTING MANHOLE LID TO GRADE.	EA.	2																																																				
22	ADJUST EXISTING BLOW OFF COVER TO GRADE.	EA.	2																																																				
23	INSTALL 12" X 90° FITTING AND THRUST BLOCK PER L.V.V.W.D. STD. PLATE NO. 5.	EA.	1																																																				
24	RELOCATE EXISTING TEST STATION.	EA.	5																																																				
25	RELOCATE EXISTING AIR VACUUM/AIR RELEASE ASSEMBLY.	EA.	1																																																				
26	INSTALL 8" TEE AND THRUST BLOCK PER L.V.V.W.D. PLATE NO. 5.	EA.	3																																																				
<b>SEWER</b>																																																							
1	INSTALL STANDARD 4' SEWER MANHOLE PER CLARK COUNTY SANITATION DISTRICT STD. DRAWINGS OR S.I.S. D-2.	EA.	14																																																				
2	INSTALL 8" PVC (SDR-35) SEWER LINE.	L.F.	4495																																																				
3	INSTALL 8" PVC PLUG AND CAP.	EA.	7																																																				
4	REMOVE END CAP AND JOIN TO EXISTING 8" SEWER (VERIFY EXISTING INVERT ELEVATION).	EA.	3																																																				
<b>FUTURE STREET STRIPING AND SIGNAGE</b>																																																							
1	ALL STREET SIGNS SHALL BE IN CONFORMANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.																																																						
2	INSTALL R1-1 (30" X 30") STOP SIGN.	EA.	4																																																				
3	INSTALL R2-1 (24" X 30") 25 M.P.H. SPEED LIMIT SIGN.	EA.	9																																																				
4	INSTALL 4" WIDE WHITE SOLID BIKE LANE STRIPE.	EA.	8835																																																				
5	INSTALL W4-2 (36" X 36") LANE REDUCTION TRANSITION SIGN.	EA.	2																																																				
6	INSTALL 4" WIDE WHITE PAINT STRIPE.	L.F.		NOT USED																																																			
7	INSTALL CROSSWALK PER S.I.S. STD. NO. S-78 WITH THERMOPLASTIC PER SPECIFICATIONS.	SF.	180																																																				
8	INSTALL CONTINUOUS LEFT TURN LANE PER S.I.S. STD. NO. S-90.	L.F.	12115																																																				
9	INSTALL BROKEN LANE LINE PER S.I.S. STD. NO. S-89.	L.F.	10655																																																				
10	INSTALL STOP LINE MARKERS 24" WIDE WHITE STOP BAR PER S.I.S. STD. NO. S-78 WITH THERMOPLASTIC PER SPECIFICATIONS.	SF.	184																																																				
11	INSTALL TYPE I CENTERLINE PER S.I.S. STD. NO. S-90.	L.F.	1300																																																				
13	INSTALL EA. 9" STREET NAME SIGN PER CLARK COUNTY STDS. 250 & 251	EA.	2																																																				
14	INSTALL EA. 6" STREET NAME SIGN PER CLARK COUNTY STDS. 250 & 251	EA.	2																																																				
<b>EARTHWORK</b>																																																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>STREET</th> <th>RAW CUT</th> <th>RAW FILL</th> <th>15% RECOMPACTION</th> <th>TOTAL CUT</th> <th>TOTAL FILL</th> <th>NET</th> </tr> </thead> <tbody> <tr> <td>SNOW TRAILS/TRAILWOOD STA 10+50 - 55+00</td> <td>17282 C.Y.</td> <td>4153 C.Y.</td> <td>623 C.Y.</td> <td>17282 C.Y.</td> <td>4776 C.Y.</td> <td>12506 C.Y. EXCESS</td> </tr> <tr> <td>CRESTDALE STA 46+00 - 55+00</td> <td>2275 C.Y.</td> <td>3807 C.Y.</td> <td>571 C.Y.</td> <td>2275 C.Y.</td> <td>4378 C.Y.</td> <td>2103 C.Y. SHORT</td> </tr> <tr> <td>TRAIL VISTA</td> <td>2177 C.Y.</td> <td>2363 C.Y.</td> <td>345 C.Y.</td> <td>2177 C.Y.</td> <td>2708 C.Y.</td> <td>531 C.Y. SHORT</td> </tr> <tr> <td>TRAIL HOLLOW</td> <td>5533 C.Y.</td> <td>468 C.Y.</td> <td>70 C.Y.</td> <td>5533 C.Y.</td> <td>538 C.Y.</td> <td>4995 C.Y. EXCESS</td> </tr> <tr> <td>COMMUNITY OPEN SPACE</td> <td>10394 C.Y.</td> <td>2154 C.Y.</td> <td>323 C.Y.</td> <td>10394 C.Y.</td> <td>2477 C.Y.</td> <td>7917 C.Y. EXCESS</td> </tr> <tr> <td><b>CALCULATED TOTALS</b></td> <td></td> <td></td> <td></td> <td><b>37661 C.Y.</b></td> <td><b>14877 C.Y.</b></td> <td><b>22784 C.Y. EXCESS</b></td> </tr> </tbody> </table>							STREET	RAW CUT	RAW FILL	15% RECOMPACTION	TOTAL CUT	TOTAL FILL	NET	SNOW TRAILS/TRAILWOOD STA 10+50 - 55+00	17282 C.Y.	4153 C.Y.	623 C.Y.	17282 C.Y.	4776 C.Y.	12506 C.Y. EXCESS	CRESTDALE STA 46+00 - 55+00	2275 C.Y.	3807 C.Y.	571 C.Y.	2275 C.Y.	4378 C.Y.	2103 C.Y. SHORT	TRAIL VISTA	2177 C.Y.	2363 C.Y.	345 C.Y.	2177 C.Y.	2708 C.Y.	531 C.Y. SHORT	TRAIL HOLLOW	5533 C.Y.	468 C.Y.	70 C.Y.	5533 C.Y.	538 C.Y.	4995 C.Y. EXCESS	COMMUNITY OPEN SPACE	10394 C.Y.	2154 C.Y.	323 C.Y.	10394 C.Y.	2477 C.Y.	7917 C.Y. EXCESS	<b>CALCULATED TOTALS</b>				<b>37661 C.Y.</b>	<b>14877 C.Y.</b>	<b>22784 C.Y. EXCESS</b>
STREET	RAW CUT	RAW FILL	15% RECOMPACTION	TOTAL CUT	TOTAL FILL	NET																																																	
SNOW TRAILS/TRAILWOOD STA 10+50 - 55+00	17282 C.Y.	4153 C.Y.	623 C.Y.	17282 C.Y.	4776 C.Y.	12506 C.Y. EXCESS																																																	
CRESTDALE STA 46+00 - 55+00	2275 C.Y.	3807 C.Y.	571 C.Y.	2275 C.Y.	4378 C.Y.	2103 C.Y. SHORT																																																	
TRAIL VISTA	2177 C.Y.	2363 C.Y.	345 C.Y.	2177 C.Y.	2708 C.Y.	531 C.Y. SHORT																																																	
TRAIL HOLLOW	5533 C.Y.	468 C.Y.	70 C.Y.	5533 C.Y.	538 C.Y.	4995 C.Y. EXCESS																																																	
COMMUNITY OPEN SPACE	10394 C.Y.	2154 C.Y.	323 C.Y.	10394 C.Y.	2477 C.Y.	7917 C.Y. EXCESS																																																	
<b>CALCULATED TOTALS</b>				<b>37661 C.Y.</b>	<b>14877 C.Y.</b>	<b>22784 C.Y. EXCESS</b>																																																	

**RECORD DRAWING**  
 RECORD INFORMATION PROVIDED BY FIELD CONTRACTOR

RECOMMENDED	10584	7/19/94	DATE	REV	DATE	DESCRIPTION	DATE	APPROVAL	DATE
ENGINEER	GARY R. BUSH	Zony R. Sudy	R.P.E.	10584	7/19/94	DATE	REV	DATE	APPROVAL
ENGINEER	<b>THE KEITH COMPANIES</b> NEVADA 4656 SO. INDUSTRIAL RD. LAS VEGAS, NV 89103 (702) 793-0380								
HOWARD HUGHES PROPERTIES SUMMERLIN VILLAGE 7 - THE TRAILS - UNIT 3 <b>ESTIMATED QUANTITIES</b>									
SHEET									
<b>CG-5</b>									
SHT 5 OF 54									

11-2-5