

11-4-77

LOGS OF BORINGS

DB-1				DB-2				DB-3				DB-4				DB-5				DB-6				DB-7				DB-8				DB-9				DB-10			
DEPTH IN FT.	BLOWS PER 6"	DESCRIPTION	SYMBOL	BLOWS PER 6"	DESCRIPTION	SYMBOL	BLOWS PER 6"	DESCRIPTION	SYMBOL	BLOWS PER 6"	DESCRIPTION	SYMBOL	BLOWS PER 6"	DESCRIPTION	SYMBOL	BLOWS PER 6"	DESCRIPTION	SYMBOL	BLOWS PER 6"	DESCRIPTION	SYMBOL	BLOWS PER 6"	DESCRIPTION	SYMBOL	BLOWS PER 6"	DESCRIPTION	SYMBOL	BLOWS PER 6"	DESCRIPTION	SYMBOL	BLOWS PER 6"	DESCRIPTION	SYMBOL						
0	16	FINE GRVL. SOME FINE SAND, TRACE SILT (GP)		12	(CL) (GC)		21	TAN. FINE SANDY SILT, SOME-AND FINE GRAVEL (GM)		5	MED. DENSE, TAN SILTY FINE GRVL. (GM)		7	VERY FIRM, TAN CLAYEY SILT, SM. FINE SAND, SM. F. GRVL. (ML) (GM)		20	DENSE, FINE SANDY SILT AND FINE TO COARSE GRVL. (GM)		10	MED. DENSE, FINE GRVL., LITTLE SILTY FINE SAND (GP)		14	DENSE, FINE GRVL. SM. SILTY FINE SAND (GM)		14	2" AC. PVMT. MED. DENSE 10" FINE GRVL. SM. FINE TO COARSE SAND (GP)		14	2" AC. PVMT. 10" BC. FINE GRVL. SOME COARSE TO FINE SAND (GP)										
1	21	TAN. F. C. GRVL. SM. SILTY CLAY (GC)		6	FIRM		3	LOOSE		13	FIRM LT. BRN. SILTY F-M. SAND, LITTLE FINE GRVL. (SM)		10	FIRM, TAN SILTY CLAY, SOME FINE GRVL. (CL)		19	HARD CALICHE (ROCK)		8	VERY FIRM, LT. TAN SILTY CLAY LITTLE SOME FINE GRVL. (CL)		21	VERY FIRM TAN SILTY CLAY, SM. FINE TO COARSE SAND, LITTLE FINE GRVL. HARD CALICHE (ROCK)		11	MED. DENSE, TAN FINE TO COARSE GRVL., SOME COARSE TO FINE SAND, SOME CLAYEY SILT (GM)		17	TAN. SILTY CLAY & FINE TO COARSE SAND, LITTLE FINE GRVL. (CL) (SC)										
2	12	VERY FIRM (CL)		5	LIGHT TAN CALICAREOUS SILTY CLAY AND FINE TO COARSE GRAVEL SOME FINE TO COARSE SAND		5	FIRM		14	VERY FIRM TO HARD, TAN CLAYEY SILT, SM. FINE GRVL. (ML)		6	FIRM, TAN SILTY CLAY, SOME FINE GRVL. (CL)		16	HARD CALICHE (ROCK)		16	VERY FIRM, LT. TAN SILTY CLAY LITTLE SOME FINE GRVL. (CL)		12	VERY FIRM TAN SILTY CLAY, SM. FINE TO COARSE SAND, LITTLE FINE GRVL. HARD CALICHE (ROCK)		11	MED. DENSE, TAN FINE TO COARSE GRVL., SOME COARSE TO FINE SAND, SOME CLAYEY SILT (GM)		14	TAN. SILTY CLAY & FINE TO COARSE SAND, LITTLE FINE GRVL. (CL) (SC)										
3	4	MED. FIRM (CL)		6	FIRM		2	MED. FIRM		13	VERY FIRM TO HARD, TAN CLAYEY SILT, SM. FINE GRVL. (ML)		8	FIRM, TAN SILTY CLAY, SOME FINE GRVL. (CL)		20	HARD CALICHE (ROCK)		20	VERY FIRM, LT. TAN SILTY CLAY LITTLE SOME FINE GRVL. (CL)		14	VERY FIRM TAN SILTY CLAY, SM. FINE TO COARSE SAND, LITTLE FINE GRVL. HARD CALICHE (ROCK)		11	MED. DENSE, TAN FINE TO COARSE GRVL., SOME COARSE TO FINE SAND, SOME CLAYEY SILT (GM)		14	TAN. SILTY CLAY & FINE TO COARSE SAND, LITTLE FINE GRVL. (CL) (SC)										
4	4	TAN SILTY CLAY LITTLE SAND, SM. LITTLE FINE GRVL.		6	THIN LENSE CALICHE LOOSE TO MED. DENSE LIGHT BROWN SILTY FINE CALICHE GRVL. (GM)		3	TRASH & TIN CANS & 2.0 FT. (CL)		11	VERY FIRM, BRN. SILTY CLAY, LITTLE SOME FINE GRVL. (CL)		6	FIRM, TAN SILTY CLAY, SOME FINE GRVL. (CL)		16	HARD CALICHE (ROCK)		16	VERY FIRM, LT. TAN SILTY CLAY LITTLE SOME FINE GRVL. (CL)		12	VERY FIRM TAN SILTY CLAY, SM. FINE TO COARSE SAND, LITTLE FINE GRVL. HARD CALICHE (ROCK)		11	MED. DENSE, TAN FINE TO COARSE GRVL., SOME COARSE TO FINE SAND, SOME CLAYEY SILT (GM)		14	TAN. SILTY CLAY & FINE TO COARSE SAND, LITTLE FINE GRVL. (CL) (SC)										
5	3	SOFT TO MED. FIRM TAN SILTY CLAY (CL)		5	THIN LENSE CALICHE LOOSE TO MED. DENSE LIGHT BROWN SILTY FINE CALICHE GRVL. (GM)		3	TRASH & TIN CANS & 2.0 FT. (CL)		11	VERY FIRM, BRN. SILTY CLAY, LITTLE SOME FINE GRVL. (CL)		6	FIRM, TAN SILTY CLAY, SOME FINE GRVL. (CL)		16	HARD CALICHE (ROCK)		16	VERY FIRM, LT. TAN SILTY CLAY LITTLE SOME FINE GRVL. (CL)		12	VERY FIRM TAN SILTY CLAY, SM. FINE TO COARSE SAND, LITTLE FINE GRVL. HARD CALICHE (ROCK)		11	MED. DENSE, TAN FINE TO COARSE GRVL., SOME COARSE TO FINE SAND, SOME CLAYEY SILT (GM)		14	TAN. SILTY CLAY & FINE TO COARSE SAND, LITTLE FINE GRVL. (CL) (SC)										
6	2	SOFT TO MED. FIRM TAN SILTY CLAY (CL)		5	THIN LENSE CALICHE LOOSE TO MED. DENSE LIGHT BROWN SILTY FINE CALICHE GRVL. (GM)		3	TRASH & TIN CANS & 2.0 FT. (CL)		11	VERY FIRM, BRN. SILTY CLAY, LITTLE SOME FINE GRVL. (CL)		6	FIRM, TAN SILTY CLAY, SOME FINE GRVL. (CL)		16	HARD CALICHE (ROCK)		16	VERY FIRM, LT. TAN SILTY CLAY LITTLE SOME FINE GRVL. (CL)		12	VERY FIRM TAN SILTY CLAY, SM. FINE TO COARSE SAND, LITTLE FINE GRVL. HARD CALICHE (ROCK)		11	MED. DENSE, TAN FINE TO COARSE GRVL., SOME COARSE TO FINE SAND, SOME CLAYEY SILT (GM)		14	TAN. SILTY CLAY & FINE TO COARSE SAND, LITTLE FINE GRVL. (CL) (SC)										
7	2	SOFT TO MED. FIRM TAN SILTY CLAY (CL)		5	THIN LENSE CALICHE LOOSE TO MED. DENSE LIGHT BROWN SILTY FINE CALICHE GRVL. (GM)		3	TRASH & TIN CANS & 2.0 FT. (CL)		11	VERY FIRM, BRN. SILTY CLAY, LITTLE SOME FINE GRVL. (CL)		6	FIRM, TAN SILTY CLAY, SOME FINE GRVL. (CL)		16	HARD CALICHE (ROCK)		16	VERY FIRM, LT. TAN SILTY CLAY LITTLE SOME FINE GRVL. (CL)		12	VERY FIRM TAN SILTY CLAY, SM. FINE TO COARSE SAND, LITTLE FINE GRVL. HARD CALICHE (ROCK)		11	MED. DENSE, TAN FINE TO COARSE GRVL., SOME COARSE TO FINE SAND, SOME CLAYEY SILT (GM)		14	TAN. SILTY CLAY & FINE TO COARSE SAND, LITTLE FINE GRVL. (CL) (SC)										
8	2	SOFT TO MED. FIRM TAN SILTY CLAY (CL)		5	THIN LENSE CALICHE LOOSE TO MED. DENSE LIGHT BROWN SILTY FINE CALICHE GRVL. (GM)		3	TRASH & TIN CANS & 2.0 FT. (CL)		11	VERY FIRM, BRN. SILTY CLAY, LITTLE SOME FINE GRVL. (CL)		6	FIRM, TAN SILTY CLAY, SOME FINE GRVL. (CL)		16	HARD CALICHE (ROCK)		16	VERY FIRM, LT. TAN SILTY CLAY LITTLE SOME FINE GRVL. (CL)		12	VERY FIRM TAN SILTY CLAY, SM. FINE TO COARSE SAND, LITTLE FINE GRVL. HARD CALICHE (ROCK)		11	MED. DENSE, TAN FINE TO COARSE GRVL., SOME COARSE TO FINE SAND, SOME CLAYEY SILT (GM)		14	TAN. SILTY CLAY & FINE TO COARSE SAND, LITTLE FINE GRVL. (CL) (SC)										
9	2	SOFT TO MED. FIRM TAN SILTY CLAY (CL)		5	THIN LENSE CALICHE LOOSE TO MED. DENSE LIGHT BROWN SILTY FINE CALICHE GRVL. (GM)		3	TRASH & TIN CANS & 2.0 FT. (CL)		11	VERY FIRM, BRN. SILTY CLAY, LITTLE SOME FINE GRVL. (CL)		6	FIRM, TAN SILTY CLAY, SOME FINE GRVL. (CL)		16	HARD CALICHE (ROCK)		16	VERY FIRM, LT. TAN SILTY CLAY LITTLE SOME FINE GRVL. (CL)		12	VERY FIRM TAN SILTY CLAY, SM. FINE TO COARSE SAND, LITTLE FINE GRVL. HARD CALICHE (ROCK)		11	MED. DENSE, TAN FINE TO COARSE GRVL., SOME COARSE TO FINE SAND, SOME CLAYEY SILT (GM)		14	TAN. SILTY CLAY & FINE TO COARSE SAND, LITTLE FINE GRVL. (CL) (SC)										
10	6	SOFT TO MED. FIRM TAN SILTY CLAY (CL)		5	THIN LENSE CALICHE LOOSE TO MED. DENSE LIGHT BROWN SILTY FINE CALICHE GRVL. (GM)		3	TRASH & TIN CANS & 2.0 FT. (CL)		11	VERY FIRM, BRN. SILTY CLAY, LITTLE SOME FINE GRVL. (CL)		6	FIRM, TAN SILTY CLAY, SOME FINE GRVL. (CL)		16	HARD CALICHE (ROCK)		16	VERY FIRM, LT. TAN SILTY CLAY LITTLE SOME FINE GRVL. (CL)		12	VERY FIRM TAN SILTY CLAY, SM. FINE TO COARSE SAND, LITTLE FINE GRVL. HARD CALICHE (ROCK)		11	MED. DENSE, TAN FINE TO COARSE GRVL., SOME COARSE TO FINE SAND, SOME CLAYEY SILT (GM)		14	TAN. SILTY CLAY & FINE TO COARSE SAND, LITTLE FINE GRVL. (CL) (SC)										

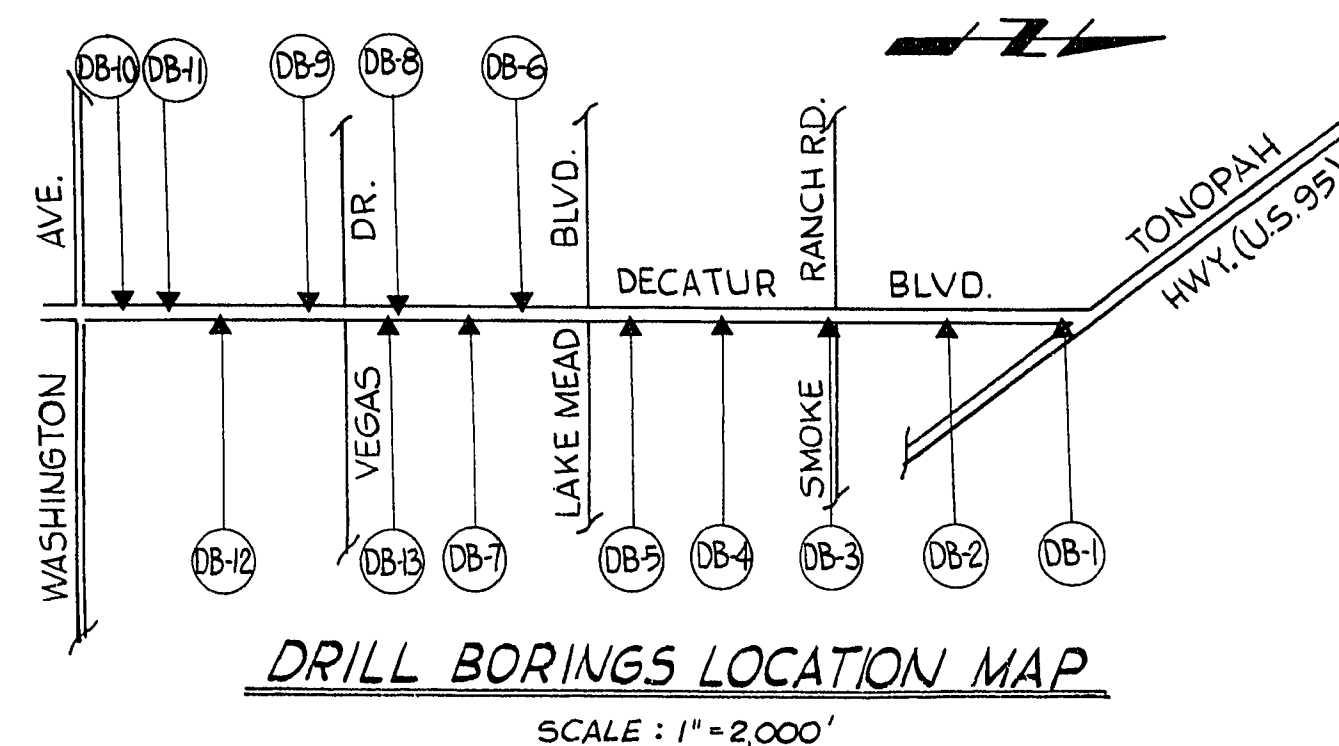
SUMMARY OF QUANTITIES

Item No.	Description	RS4	CLV	CLVSID	CCSID	Total	Unit
121.210	10" R.C.P. 1350 D	35				35	L.F.
121.215	15" R.C.P. 1350 D	225				225	L.F.
121.218	18" R.C.P. 1350 D	851				851	L.F.

SUMMARY OF QUANTITIES

Item No.	Description	RSU	CLV	CLV SID	CCSID	Total	Unit
121.210	10" R.C.P. 1350 D	35				35	L.F.
121.215	15" R.C.P. 1350 D	225				225	L.F.
121.218	18" R.C.P. 1350 D	851				851	L.F.
121.224	24" R.C.P. 1350 D	4				4	L.F.
121.518	14" x 23" LOHED HE III	776				776	L.F.
121.524	19" x 30" LOHED HE III	125				125	L.F.
122.216	PART CIRCLE CULVERT	708				708	L.F.
121.527	22" x 34" LOHED HE III	148				148	L.F.
123.208	8" V.C.P.		689	1263		1952	L.F.
123.210	10" V.C.P.		172			172	L.F.
123.212	12" V.C.P.		333			333	L.F.
200.110	REMOVE INLET REMOVE INLET	1				1	EACH
200.110	REMOVE SIDEWALK	2626			92	2718	S.F.
200.110	REMOVE CURB & GUTTER	489		12		501	L.F.
200.300	REMOVE TREES 4' to 10' DIA.	17			8	25	EACH
200.400	REMOVE TREES OVER 10' DIA.	1			2	3	EACH
201.100	EXCAVATION	40181	354	2297	3931	46763	C.Y.
201.100	SAWCUT A.C. PAVEMENT	5306	146		440	5892	L.F.
212.100	GROUTED RIPRAP	80				80	S.F.
302.100	TYPE I GRAVEL BASE	12,058				12,058	C.Y.
302.200	TYPE II GRAVEL BASE	10,684	190	571	651	12,096	C.Y.
320.100	BITUMINOUS PENETRATION	15411				15,411	S.Y.
333.100	BITUMINOUS FOG SEAL	10,274	195		324	10,793	S.Y.
333.500	1/2" OPEN GRADE PLANTMIX	94,774			5,088	104,721	S.Y.
334.200	A.C. OVERLAY	1900				1900	S.Y.
334.210	A.C. CURB	14,147				14,147	L.F.
334.212	6" A.C. PAVEMENT	85,212			4839	90,051	S.Y.
334.300	1-1/2" A.C. PAVEMENT	6431	56		324	6811	S.Y.
334.500	2-1/2" A.C. PAVEMENT	3261	195			3456	S.Y.
340.190	24" L TYPE CURB & GUTTER	2853	165	6520	6735	16273	L.F.
340.200	18" L TYPE CURB & GUTTER	5305				5305	L.F.
340.300	4" CONCRETE SIDEWALK	1440	11,881	2205		15526	S.F.
340.311	4" CONCRETE ISLAND PAVEMENT	5347				5347	S.F.
340.410	RESIDENTIAL DRIVEWAY				2178	2178	S.F.
340.420	COMMERCIAL DRIVEWAY	936	266	546	1206	2954	S.F.
340.500	VALLEY GUTTER			1904	3754	5258	S.F.
340.600	ALLEY GUTTER		175	180		355	S.F.
500.200T	CURB INLET (TYPE I)	12				12	EACH
500.300T	HEADWALL	3				3	EACH
500.500T	JUNCTION BOX	6				6	EACH
500.901	PLUG WELL	2				2	EACH
512.100	CONSTRUCT MANHOLE	1		6		8	EACH
512.500	ADJUST MANHOLE		17			17	EACH
	REMOVE CATCH BASIN	2				2	EACH
560.500	INSTALL FIRE HYDRANT		6			6	EACH
560.710	MEDIAN SPRINKLING SYSTEM						LUMP SUM
200.500T	RELOCATE FENCE		1485			1485	L.F.
123.204	4" V.C.P.			540		540	L.F.
500.201T	TYPE II CURB INLET	2				2	EACH
200.110	REMOVE 21" x 51" C.M.P.	250				250	L.F.
340.312	ISLAND CONC. COLORING	5347				5347	S.F.
560.720	RELOCATE WATER LINE		LS				LS

SOILS CLASSIFICATION		GROUP SYMBOLS
TYPICAL NAMES		
1	POORLY GRADED GRAVELS, OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	GP
2	WELL GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	GW
3	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SILTY CLAYS, LEAN CLAYS	CL
4	SILTY GRAVELS, GRAVEL-SAND-CLAY MIXTURES	GM
5	SILTY SANDS, SAND-SILT MIXTURES	SM
6	CLAYEY SANDS, SAND-CLAY MIXTURES	SC
7	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY	ML
8	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES, PLASTIC FINES	GC
9	CALICHE	ROCK



DESIGN	GEC	DATE	
DRAWN	HURTADO		
CHECKED	S.C.D.		
CONSULTING ENG.	TYSON ENGINEERING COMPANY INC.	DATE	5-17-69
CITY ENGINEER	W. J. L. L.	DATE	5-17-69
CITY OF LAS VEGAS, NEVADA ENGINEERING DEPARTMENT		SCALE	
LOGS OF BORINGS DECATUR BLVD.		CLV. DRWG. NO.	
WASHINGTON AVE. TO U.S. HIGHWAY N° 95		107V-738	
PREPARED BY TYSON ENGINEERING COMPANY INC.		SHEET 28 OF 42	

107-V738