GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE. THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CITY OF LAS VEGAS"; ANY OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE.
2. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS ARE NOT SHOWN ON THE PLANS.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED SATISFACTORY TO THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
4. THE CONTRACTOR SHALL NOT BACKFILL ANY TRENCHES IN WHICH WATERLINES HAVE BEEN UNCOVERED UNTIL THE WATERLINES HAVE BEEN INSPECTED BY THE LAS VEGAS VALLEY WATER DISTRICT. THE WATER DISTRICT SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF CONSTRUCTION IN THE VICINITY OF WATER LINES.
5. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY ALTERATIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
6. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE DESIGNED FOR A 5.5 SACK MIX WITH A MAXIMUM WATER/CEMENT RATIO OF 0.45 (OR AS DESIGNED BY THE SOILS ENGINEER). MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.
7. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD OR UNDERGROUND POWER AND/OR TELEPHONE FACILITIES SO AT TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
8. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
9. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED TYPE CURB.
10. AC PAVEMENT TO BE ½" ABOVE LIP OF ALL GUTTERS & VALLEY GUTTER AFTER COMPACTION.
11. APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS & ADJUSTMENTS HAVE BEEN MADE.
12. CURB & GUTTER WITH A GRADE OR LESS THAN FOUR TENTHS OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
13. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
14. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO SAID CONSTRUCTION. EXTENT OF TRANSITIONS TO BE DETERMINED BY THE CITY ENGINEER AND AS SHOWN ON PLANS.
15. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER OR PER THESE PLANS.
16. EXACT LOCATION OF ALL SAWCUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATION.
17. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ALL MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORD WITH N R S. STATUTE NO. 625.550.
18. CONSTRUCTION SURVEY:

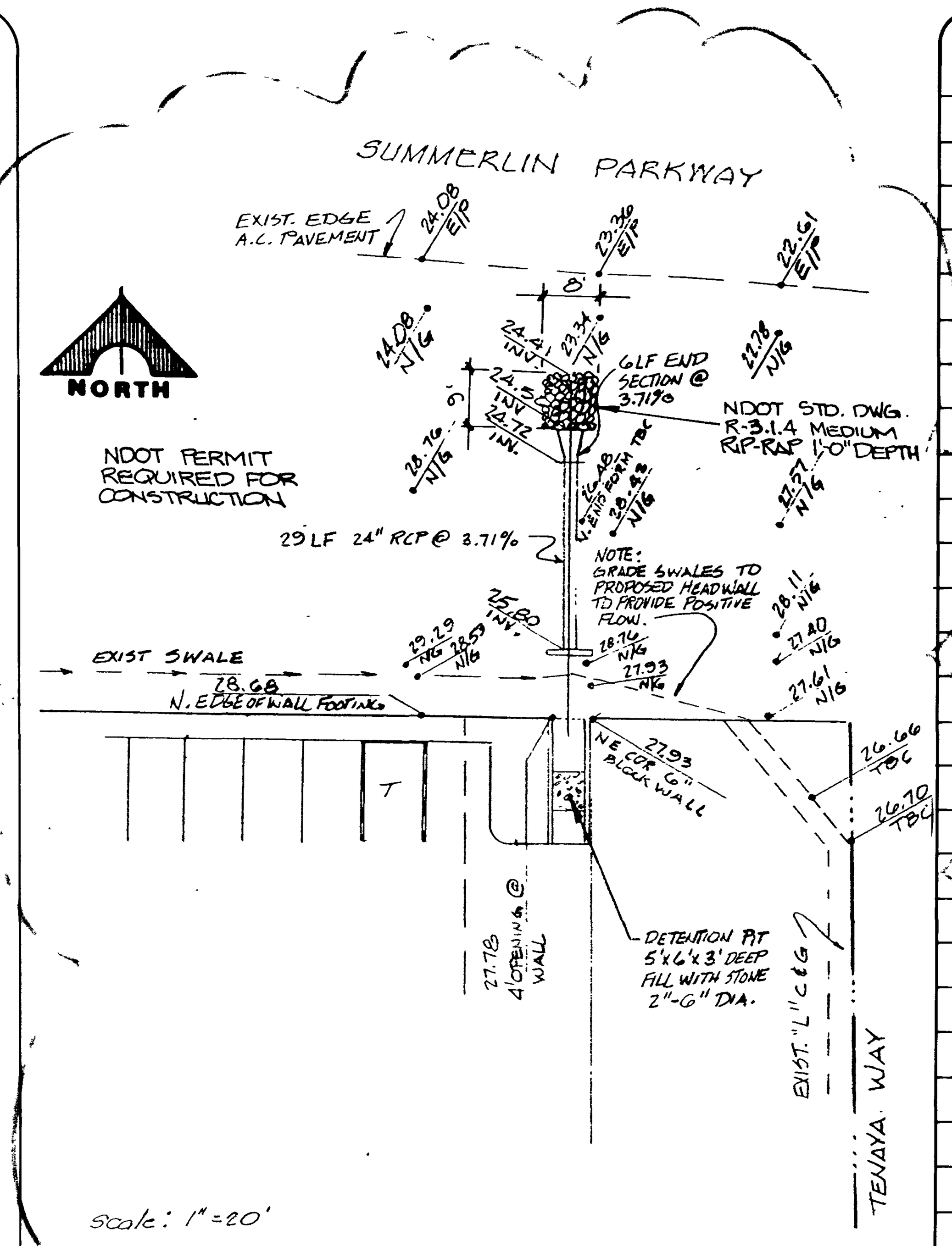
GRADES ARE GIVEN FROM TOP OF STAKES OR NAILS. THE CONTRACTORS ARE CAUTIONED TO OBSERVE THE FOLLOWING RULES IN USING THE GRADE STAKES GIVEN BY THIS OFFICE. THREE (3) CONSECUTIVE POINTS THAT ARE SHOWN TO BE ON THE SAME RATE OF SLOPE MUST BE USED IN COMMON IN ORDER THAT ANY VARIATION OUT OF A PERFECT STRAIGHT GRADE MAY BE DETECTED IN CASE ANY SUCH DISCREPANCY IS FOUND, THE SAME MUST BE REPORTED, OTHERWISE THIS OFFICE WILL NOT BE RESPONSIBLE FOR ANY ERROR IN THE GRADE OF THE FINISHED WORK.

SEWER NOTES

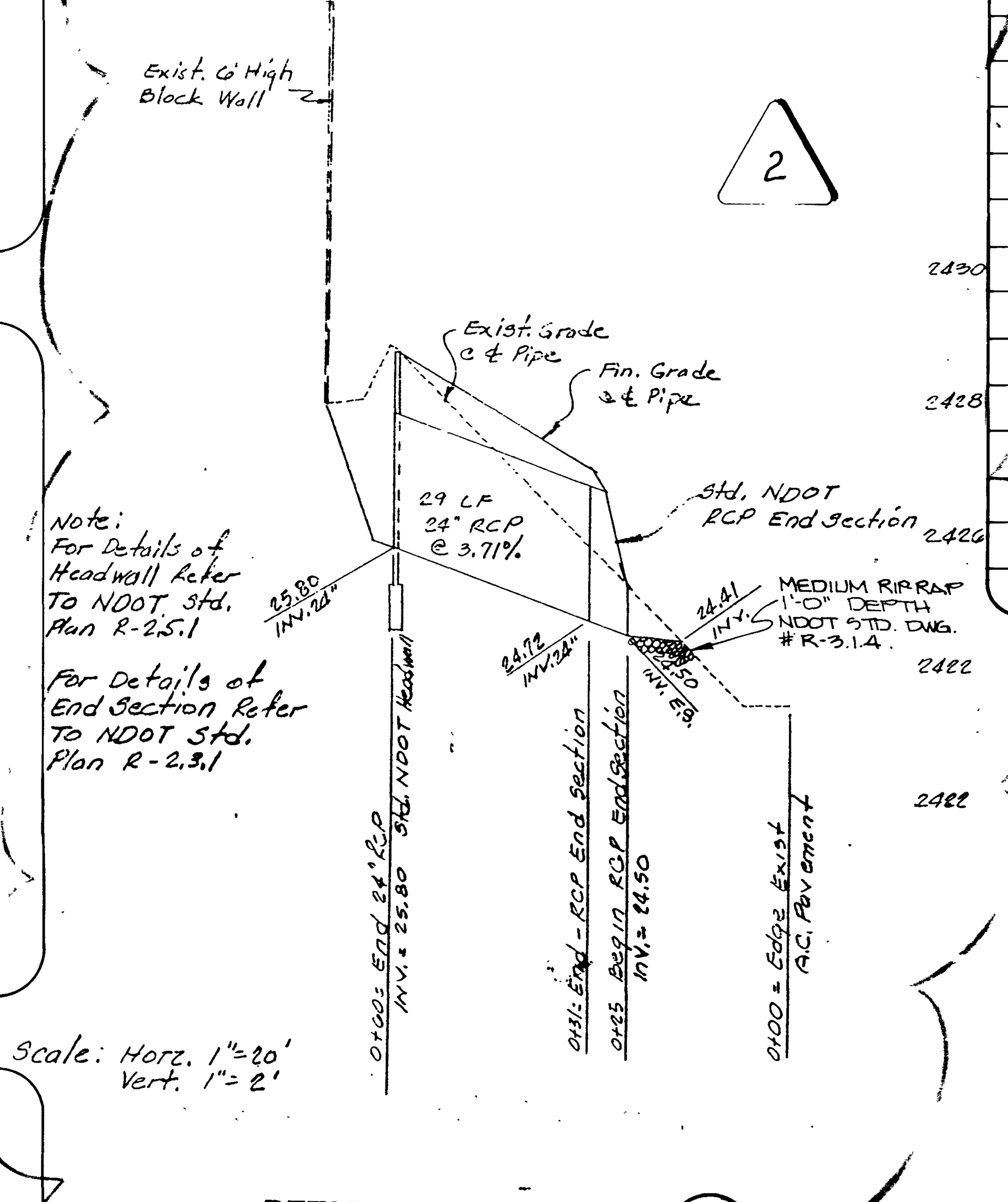
1. ALL SANITARY SEWER INSTALLATIONS SHALL CONFORM TO THE STANDARD DETAILS AND SPECIFICATIONS OF THE CITY OF LAS VEGAS, AND SHALL ALSO CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, LATEST EDITION, UNLESS OTHERWISE NOTED.
2. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
3. POLYVINYL CHLORIDE (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, AND INSTALLED WITH SAND BEDDING AND BACKFILL OR TYPE II GRAVEL.
4. ALL MANHOLES IN PAVED STREETS 80' R/W AND LARGER, SHALL HAVE CONCRETE COLLARS.
5. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO 12" DIA. SIZE. CONNECTIONS TO 15" OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES.
6. A SEWER MAIN CROSSING OVER A WATER MAIN OR LESS THAN 18" UNDER A WATER MAIN MUST BE REINFORCED CONCRETE ENCASED PIPE FOR A DISTANCE NOT LESS THAN TEN FEET (10') TO EACH SIDE OF THE CENTERLINE OF THE WATER MAIN.

STREET LIGHT NOTES

1. ALL STREET LIGHT INSTALLATIONS SHALL CONFORM TO THE STANDARD DETAILS AND SPECIFICATIONS OF THE CITY OF LAS VEGAS, AND SHALL ALSO CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, LATEST EDITION, UNLESS OTHERWISE NOTED.



DETAIL 2/2



DETAIL 1/2

ESTIMATE OF QUANTITIES

NO.	DESCRIPTION	UNIT	TOTAL
	PAVING (OFFSITE)		
	4" A.C. PAVEMENT W/4" TYPE 2 & 9 TYPE I G.B.	S.Y.	331
	"L" TYPE CURB & GUTTER W/6" TYPE I GB.	LF.	88
	CONC. SIDEWALK W/5" TYPE 2 G.B.	S.F.	3604
	6' VALLEY GUTTER W/10" TYPE I G.B.	S.F.	628
	REMOVE EX. 2" A.C. & REPLACE W/3" A.C., 4" TYPE 2 & 6" TYPE I G.B.	S.Y.	280
	PAVING (ON-SITE)		
	2" A.C. PAVEMENT W/4" TYPE 2 & 6" TYPE I G.B.	S.Y.	13,933
	"L" TYPE CURB & GUTTER W/6" TYPE I G.B.	L.F.	1088
	TACK ON CURB	L.F.	5,456
	CONC. SIDEWALK W/4" TYPE 2 G.B.	S.F.	27296
	6' WIDE CONCRETE DRAINAGE CHANNEL	L.F.	75
	2.5' WIDE CONCRETE DRAINAGE CHANNEL	L.F.	52
	SEWER (OFFSITE)		
	8" PVC	LF	35
	10" x 8" REDUCER	EA	1
	SEWER (ON-SITE)		
	8" PVC	LF	40
	6" PVC	LF.	1512
	4" PVC	LF.	885
	8" CLEAN OUT	EA.	2
	6" CLEAN OUT	EA.	20
	4" CLEANOUT	EA.	27
	WATER (OFFSITE)		
	6" PVC/ACP	LF.	69
	6" TAPPING TEE W/6" G.V.	EA.	1
	WATER (ON-SITE)		
	STD. F.H. W/6" G.V. & 6" LATERAL	EA.	8
	8" PVC/ACP WATER LINE	LF.	1620
	6" PVC/ACP WATER LINE	LF.	1508
	8" GATE VALVE W/ VALVE BOX & COVER	EA.	4
	6" GATE VALVE W/ VALVE BOX & COVER	EA.	6
	8" x 6" REDUCER	EA.	4
	1½" WATER SERVICE W/1½" G.V., VALVE BOX & COVER	EA.	11 **
	2" WATER SERVICE W/2" G.V., VALVE BOX & COVER	EA.	12 **
	2" IRRIGATION SERVICE W/2" G.V., VALVE BOX & COVER	EA.	*
	MISCELLANEOUS		
	6" D-3 STREET NAME SIGN	EA	2
	30" R1-1 STOP SIGN	EA	1

* NOTE: NUMBER & LOCATION OF IRRIGATION LINES TO BE DETERMINED BY LANDSCAPE ARCH.
** NOTE: SIZE OF WATER SERVICE TO EACH UNIT TO BE VERIFIED W/PLUMBING CONT.

△1

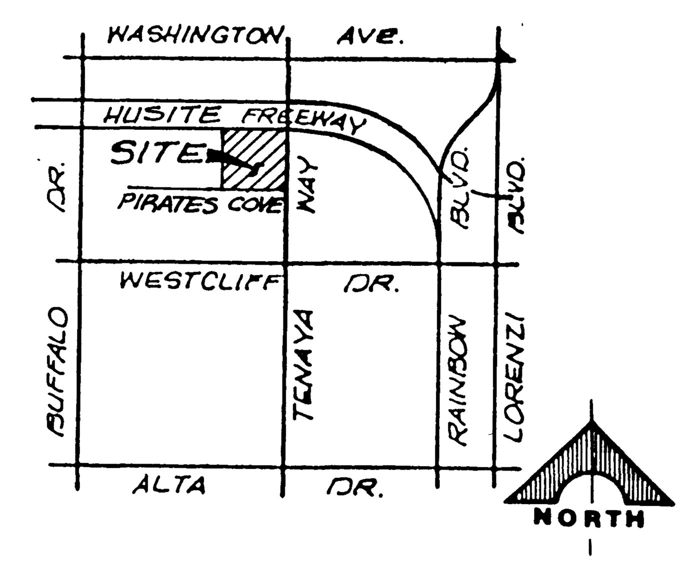
NOTE TO CONTRACTOR

QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.

Avoid cutting underground utility lines. It's costly.
Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE USA

BENCHMARK

A BRASS CAP IN TOP OF CURB AT THE S.E. RETURN OF WESTCLIFF & ANTELOPE.
ELEV. 2431.58



VICINITY MAP

INDEX OF DRAWINGS

NO.	TITLE
1	COVER SHEET
2	GEN. NOTES, SHT INDEX & EST OF QUANTITIES
3	CONTROL PLAN
4	UTILITY PLAN
5	DETAIL SHEET
6	GRADING PLAN

APPROVALS

CLV ENGINEER — DATE 7-21-89

REV	DATE	DESCRIPTION
△1	7-1-91	REV. QUANTITIES
△2	3-5-92	ADDED DETAILS 1 AND 2

RECOMMENDED DAVID P.N. HUCKLE 5256 R.E. NO. 7-19-89 DATE

G.C. WALLACE, INC.
Engineering/Architecture
1555 SOUTH RAINBOW BLVD / LAS VEGAS, NEVADA 89102

THE PLASTER DEVELOPMENT CO INC
HIGHGATE APARTMENTS
GEN. NOTES, SHT. INDEX & EST. QUANTITIES

SHEET 2 OF 6 SHEETS

107-V1679

14-3-57

JOB NO. 397.522F3

8/84 DIETERICH-POST 6532B

GENERAL NOTES

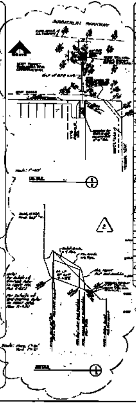
[illegible]

SEWER NOTES

[illegible]

STREET LIGHT NOTES

[illegible]



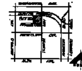
ESTIMATE OF QUANTITIES

NO.	DESCRIPTION	UNIT	TOTAL
	Paving (Onsite)		
	4" A.C. Pavement [illegible]	S.Y.	[illegible]
	"L" Type Curb & Gutter [illegible]	L.F.	[illegible]
	Conc. Sidewalk [illegible]	S.F.	[illegible]
	6" Valley Gutter [illegible]	S.F.	[illegible]
	[illegible]	[illegible]	[illegible]
	Paving (Off-Site)		
	2" A.C. Pavement [illegible]	S.Y.	[illegible]
	"L" Type Curb & Gutter [illegible]	L.F.	[illegible]
	Type [illegible] Curb	L.F.	[illegible]
	Conc. Sidewalk [illegible]	S.F.	[illegible]
	[illegible]	L.F.	[illegible]
	[illegible]	L.F.	[illegible]
	Sewer (Onsite)		
	8" PVC	L.F.	[illegible]
	[illegible] Manhole	EA.	1
	Sewer (Off-Site)		
	8" PVC	L.F.	[illegible]
	6" PVC	L.F.	[illegible]
	4" PVC	L.F.	[illegible]
	8" Clean Out	EA.	2
	6" Clean Out	EA.	20
	4" Clean Out	EA.	27
	Water (Onsite)		
	4" [illegible]	L.F.	67
	6" [illegible]	EA.	1
	Water (Off-Site)		
	[illegible]	EA.	[illegible]
	8" [illegible] Water Line	L.F.	[illegible]
	4" [illegible] Water Line	L.F.	[illegible]
	[illegible] Valve Box & Cover	EA.	4
	[illegible] Valve Box & Cover	EA.	6
	[illegible]	EA.	4
	[illegible] Water Service [illegible]	EA.	[illegible]
	[illegible] Water Service [illegible]	EA.	[illegible]
	[illegible] Irrigation Service [illegible]	EA.	4
	Miscellaneous		
	[illegible]	EA.	2
	[illegible]	EA.	1

[illegible]

NOTE TO CONTRACTOR

[illegible]



VICINITY MAP

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APPROVALS

[illegible]

Call before you Dig

BENCHMARK

A BRASS CAP IN TOP OF CURB AT THE S.E. RETURN OF [illegible]CLIFF & ANTELOPE. [illegible]

G.C. WALLACE, INC.

GEN. NOTES, SHT. INDEX & EST. QUANTITIES

SHEET 2