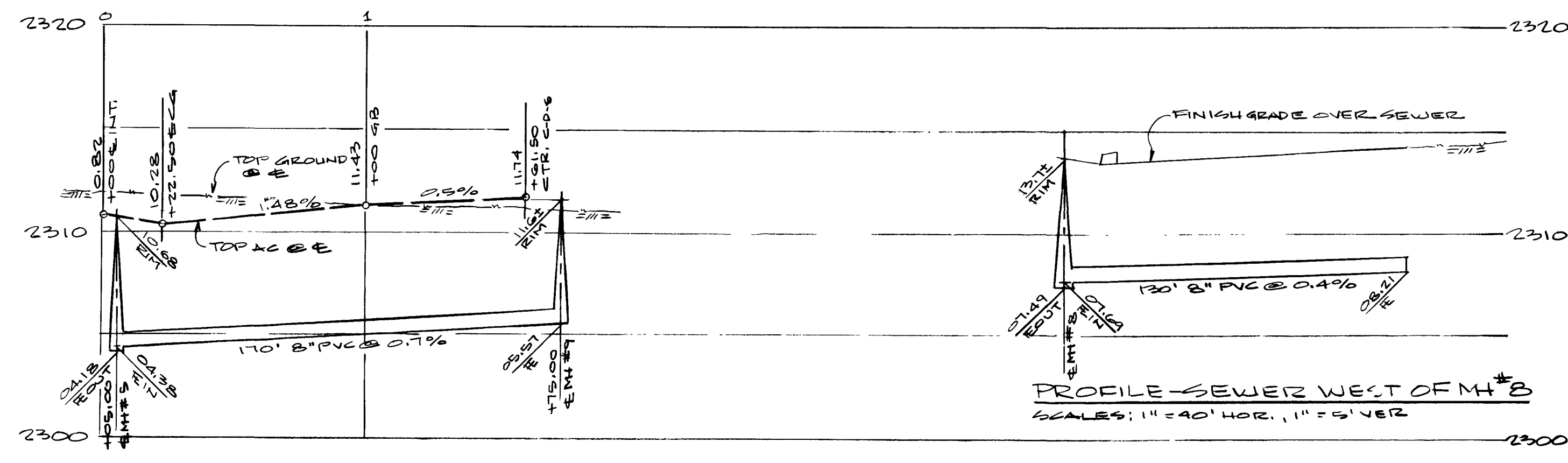


PLAN & PROFILE - VEGA LANE
 SCALES: 1" = 40' HOR., 1" = 5' VER.

PLAN & PROFILE - COSMO LANE
 SCALES: 1" = 40' HOR., 1" = 5' VER.



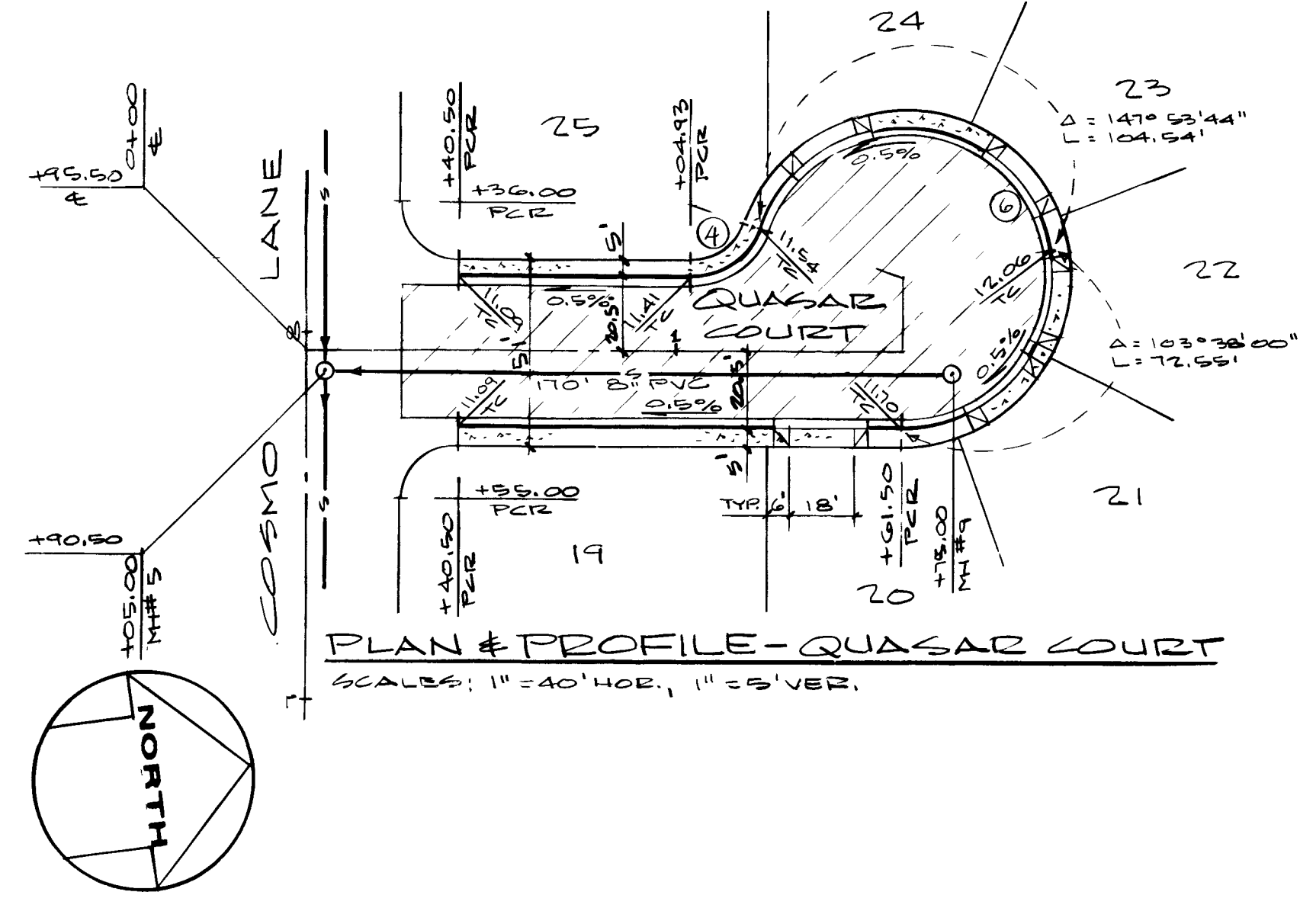
PROFILE - SEWER WEST OF MH # B
 SCALES: 1" = 40' HOR., 1" = 5' VER.

APPROXIMATE STREET QUANTITIES

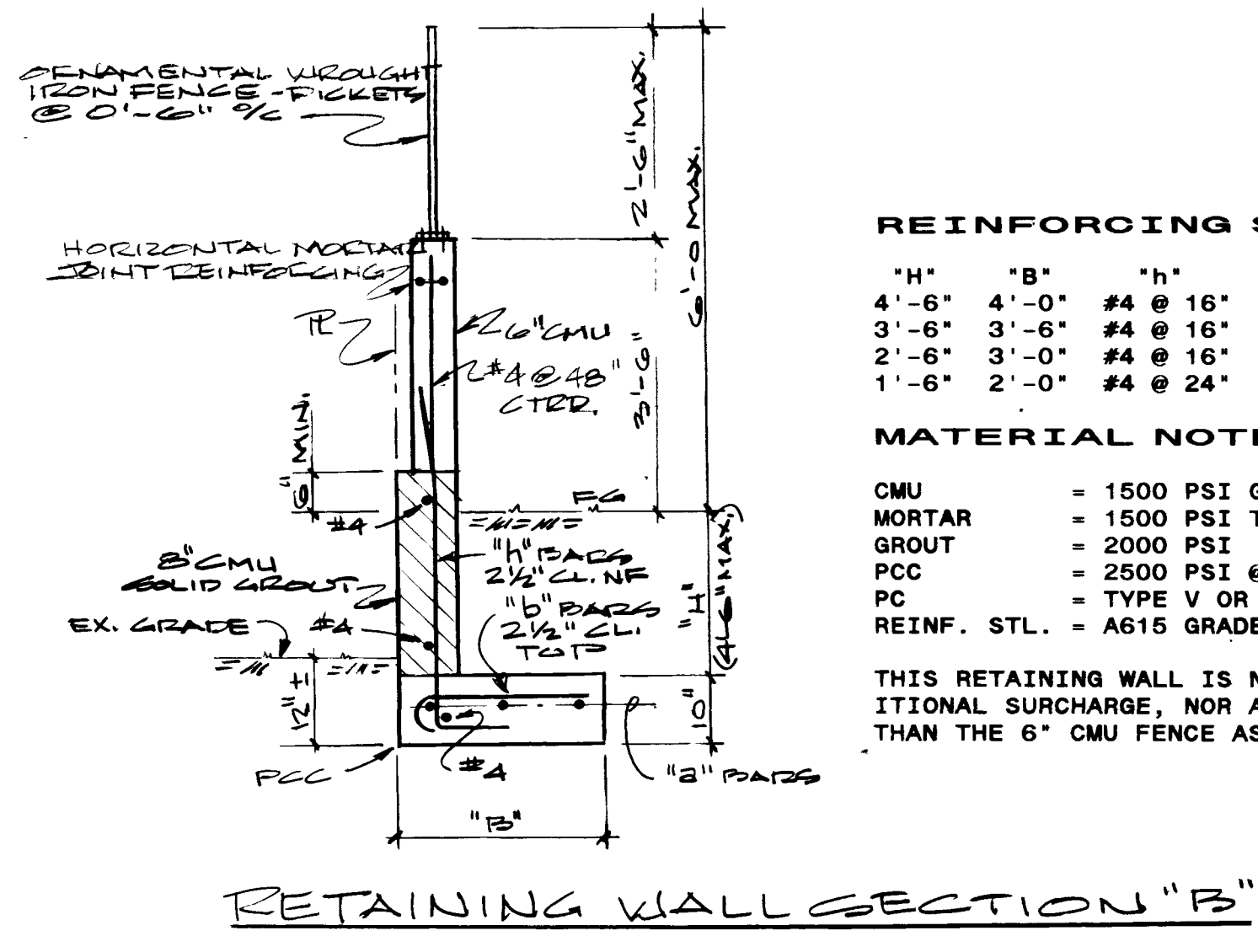
LEGEND	ITEM	STD. DWG.	QUANTITY
	ROADWAY EXCAVATION		3300 CY
	TYPE I AGGREGATE		841 CY
	TYPE II AGGREGATE		696 CY
	2.5" ASPHALT CONCRETE		4524 SY
	TYPE "L" CURB & GUTTER		1308 LF
	4" PCC SIDEWALK	216	6650 SF
	9" PCC CROSS GUTTER	234	904 SF
	6" PCC RESIDENTIAL DRIVEWAY	223	5460 SF
	SIDEWALK UNDERDRAIN	236	1 EA

CITY OF LAS VEGAS GENERAL NOTES

- 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 EDITION. THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA, LATEST EDITION, OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY, THE UNIFORM BUILDING CODE, LATEST EDITION, & ALL LOCAL CITY CODES & ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET.
- THE EXISTENCE & LOCATION OF ANY UNDERGROUND UTILITY LINES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORDS OR NOT SHOWN ON THESE PLANS. EXISTING UTILITIES ARE LOCATED ON THE PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THESE UTILITIES MAY BE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR ADVISED TO CALL FOR UTILITY LOCATOR SERVICE BEFORE DIGGING.
- ALL EXISTING IMPROVEMENTS TO BE MET BY THE IMPROVEMENTS SHALL BE FIELD VERIFIED FOR HORIZONTAL & VERTICAL LOCATION BEFORE STARTING NEW DEPENDANT CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY OF EXISTING CONDITIONS TO THOSE SHOWN ON THE PLANS BEFORE THE START OF NEW CONSTRUCTION SO THAT ANY CHANGE THAT MAY BE REQUIRED CAN BE MADE.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE FROM DAMAGE. ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED SATISFACTORILY TO THE CITY ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY ALTERATIONS MUST HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- TYPE IV CEMENT SHALL BE USED IN ALL OUTSIDE WORK. CONCRETE SHALL BE 3000 PSI + 28 DAYS. MIX DESIGN IS TO BE APPROVED BY THE QUALITY CONTROL DIVISION OF THE CITY PRIOR TO USE ON THE PROJECT.
- THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UTILITY INTERFERENCES WHICH WILL AFFECT HIS OPERATION DURING CONSTRUCTION & SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD OR UNDERGROUND POWER, GAS, AND/OR OTHER UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL & EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS & LIABILITY IN CONNECTION THEREWITH.
- PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS & INSPECTIONS REQUIRED FOR THIS CONSTRUCTION AT HIS OWN EXPENSE.
- EXPANSION JOINTS ARE REQUIRED AT A MAXIMUM OF 300 FEET IN EXTENDED TYPE CURBS.
- ASPHALTIC CONCRETE PAVEMENT IS TO BE FINISHED AT 1/2 INCH ABOVE ALL OUTTERS OR VALLEY GUTTERS AFTER COMPACTION. EXCEPT ANT W/22 RAMP/5.
- APPLY FOR SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE TO THE ASPHALTIC CONCRETE PAVEMENT.
- WHEELCHAIR RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF THE RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL & VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION & EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE & FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS ARE AS SHOWN ON THE PLANS, OR AS DESIGNATED IN THE FIELD BY A CITY INSPECTOR.
- ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER AND APPROVED BY THE CITY ENGINEER.
- EXACT LOCATION OF ALL SLOPE LINES MAY BE DETERMINED BY A CITY INSPECTOR IN THE FIELD IF THE LOCATION ON THE PLANS IS NOT CLEARLY SHOWN, OR IF EXISTING PAVEMENT CONDITION REQUIRES RELOCATION.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NUMBER 225.350.
- UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND VALLEY GUTTERS UNLESS WRITTEN APPROVAL IS OBTAINED BY THE CITY COMPANY.



PLAN & PROFILE - QUASAR COURT
 SCALES: 1" = 40' HOR., 1" = 5' VER.



REINFORCING SCHEDULE

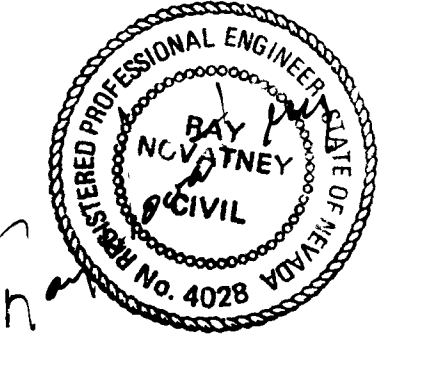
"h"	"b"	"h"	"b"	"a"
4'-6"	4'-0"	#4 @ 16"	#5 @ 16"	3 - #4
3'-6"	3'-6"	#4 @ 16"	#4 @ 16"	3 - #4
2'-6"	3'-0"	#4 @ 16"	#4 @ 16"	2 - #4
1'-6"	2'-0"	#4 @ 24"	#4 @ 24"	2 - #4

MATERIAL NOTES (MINIMUM)

- CMU = 1500 PSI GRADE "N"
- MORTAR = 1500 PSI TYPE "S"
- GROUT = 2000 PSI
- PCC = 2500 PSI @ 28 DAYS
- PC = TYPE V OR EQUAL
- REINF. STL. = A615 GRADE 40 BILLET DEFORMED

THIS RETAINING WALL IS NOT DESIGNED FOR ADDITIONAL SURCHARGE, NOR ADDITIONAL AXIAL LOAD THAN THE 6" CMU FENCE AS SHOWN.

RETAINING WALL SECTION "B"
 NO SCALE



26 APRIL 1992

REVISIONS
 NO. DATE

BENCHMARK
 10500 S. INTERSECTION
 LAS VEGAS, NV 89128
 ELEV. = 2320.25

OWNER PARTNERSHIP
 7628 NOCTURNE CT
 LAS VEGAS, NV 89128
 545-7969

ENGINEER
 RAY N. VOTNEY
 4782 S. MOHAVE DR.
 LAS VEGAS, NV 89121
 455-0734

NORTHSTAR ESTATES UNIT 2
 STREET PLANS AND PROFILES
 LAS VEGAS, NEVADA

SHEET
 TWO
 OF TWO

34

1077-4175-2

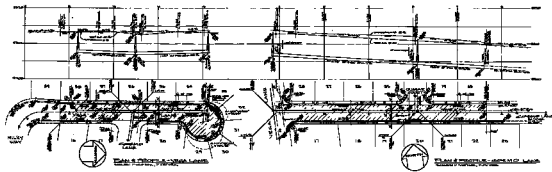
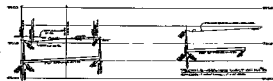


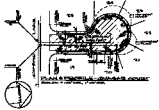
FIG. 1. CROSS-SECTION OF WALL

FIG. 2. CROSS-SECTION OF WALL



NO.	DESCRIPTION	QTY.	UNIT
1	CONCRETE	100	CU. YD.
2	STEEL	100	LB.
3	GRAVEL	100	CU. YD.
4	BRICK	100	1000
5	CEMENT	100	BA.
6	WOOD	100	CU. YD.
7	PAINT	100	GA.
8	IRON	100	LB.
9	GLASS	100	CU. YD.
10	ROOFING	100	CU. YD.

The following is a list of the materials and quantities required for the construction of the retaining wall shown in the accompanying drawings. The quantities are given in cubic yards, pounds, and other units as indicated. The materials are to be of the best quality obtainable and the workmanship is to be of the highest order. The contractor is to be responsible for the proper selection and use of the materials and for the proper construction of the wall. The contractor is to be responsible for the proper selection and use of the materials and for the proper construction of the wall.



RETAINING WALL - SECTION

NO.	DESCRIPTION	QTY.	UNIT
1	CONCRETE	100	CU. YD.
2	STEEL	100	LB.
3	GRAVEL	100	CU. YD.
4	BRICK	100	1000
5	CEMENT	100	BA.
6	WOOD	100	CU. YD.
7	PAINT	100	GA.
8	IRON	100	LB.
9	GLASS	100	CU. YD.
10	ROOFING	100	CU. YD.

