

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, CLARK COUNTY AREA NEVADA," LATEST ISSUE; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY, THE UNIFORM BUILDING CODE, AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. THE EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND 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, GAS AND/OR OTHER UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES, AND STREET 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 REPLACED SATISFACTORY TO THE CITY ENGINEER OR OWNING UTILITY COMPANY AT EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFFSITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I MINIMUM @ 28 DAYS. MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED TYPE CURB.
8. AC PAVEMENT TO BE 1 1/2" ABOVE LIP OF ALL GUTTERS AFTER COMPACTION EXCEPT AT SIDEWALK RAMPS.
9. APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.
10. CURB AND GUTTER WITH A GRADE OF LESS THAN FOUR TENTHS OF ONE PERCENT SHALL BE WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. ANY CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY SHALL BE REMOVED AND REPLACED.
11. SIDEWALK 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.
12. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN EXISTING CONSTRUCTION AND FINISH SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS, OR AS DESIGNATED IN THE FIELD BY A CITY INSPECTOR.
13. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER AND APPROVED BY THE CITY ENGINEER AND AS SHOWN ON THESE PLANS.
14. 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.
15. 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 NO. 625.550
16. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC. SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND CITY ENGINEER.
17. WALL NOTES:
 - A. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN FOR THE PURPOSE OF GRADING RELATIONSHIPS.
 - B. THE STRUCTURAL AND ARCHITECTURAL DESIGN OF ALL WALLS RETAINING OR NON-RETAINING) MUST BE APPROVED BY THE CLV BUILDING DEPARTMENT.
18. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT ON CITY STREETS.

BC STA — BACK OF CURB STATION	E — EAST	HP — HIGH POINT	PC — POINT OF CURVATURE	VC — VERTICAL CURVE
BCR — BACK OF CURB RETURN	EVG — END VERTICAL CURVE	INV — INVERT	PI — POINT OF INTERSECTION	W — WEST
BVC — BEGIN VERTICAL CURVE	FG — FINISH GRADE	MVC — MIDDLE OF VERTICAL CURVE	PT — POINT OF TANGENCY	
CL — CENTERLINE	FL — FLOW LINE	N — NORTH	S — SOUTH	
CL INT — CENTERLINE INTERSECTION	GB — GRADE BREAK	OC — ON CURVE	TC — TOP OF CURB	

<u>STREET IMPROVEMENTS</u>	<u>SHEET 3</u>	<u>SHEET 4</u>	<u>SHEET 5</u>	<u>TOTAL</u>
2" A.C. PAVEMENT W/4" TYPE II & 6" TYPE I OR II BASE		1230 SY	2210 SY	2440 SY
"L" TYPE CURB AND GUTTER W/6" TYPE I OR II BASE		1098 LF	1321 LF	2419 LF
5' CONCRETE SIDEWALK W/5" TYPE II BASE		3649 SF	4565 SF	8214 SF
CONCRETE DRIVEWAY W/6" TYPE II BASE *		1800 SF	2040 SF	3840 SF
8' CONCRETE CROSS GUTTER W/10" TYPE I OR II BASE			635 SF	635 SF
SIDEWALK RAMPS		2 EA	2 EA	

10" SEWER PIPE
4" SEWER LATERAL
STANDARD MANHOLE (48" DIA.)

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

* THESE QUANTITIES ARE ONLY APPROXIMATE AND ARE BASED ON AN AVERAGE SIZE OF 26'X5' (APPROX. 130 SF). FINAL DRIVEWAY QUANTITIES WILL BE DETERMINED SUBSEQUENT TO THE PREPARATION OF PLOT PLANS.

**Call
before you
Dig.**

CITY OF LAS VEGAS
(SEE CLV STD. DWG. #516)
NTS

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION OF THE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IN ALL CASES, THESE STANDARDS SHALL SUPERSEDE THE UNIFORM STANDARD SPECIFICATIONS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATION BOOKS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CONTROLLING AGENCY.
3. CHISEL "S" OR "O" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATION, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II GRAVEL.
5. ALL MANHOLES IN PAVED STREETS 80' R/W AND LARGER, SHALL HAVE CONCRETE COLLARS.
6. 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.
7. A SEWER MAIN CROSSING OVER A WATER MAIN OR LESS THAN 18" UNDER A WATER MAIN MUST BE REINFORCED CONCRETE ENCASED FOR A DISTANCE OF NOT LESS THAN TEN FEET (10') TO EACH SIDE OF THE CENTERLINE OF THE WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CONTROLLING AGENCY MUST BE CLASS "A" CONTRACTORS.
9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.10) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL BE REQUIRED TO BE REPAIRED OR REMOVED AND REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY.

1. SHEET 4 - GRENFELL DRIVE IS A HALF STREET SECTION AND DEVIATES FROM STANDARD DRAWING NO. 208
2. SHEET 4 - WHITE STAR DRIVE IS A HALF STREET SECTION AND DEVIATES FROM STANDARD DRAWING NO. 208
3. SHEET 5 - WHITE PLAINS DRIVE IS A OFF-SET CROWN STREET AND DEVIATES FROM STANDARD DRAWING NO. 205

This is a detailed street map of the Buffalo, New York area. The map shows a grid of streets with several major thoroughfares highlighted in bold. Buffalo Road runs vertically along the left side. Rockland Drive runs vertically in the center-left. White Plains Drive runs vertically along the right side. Central Avenue runs horizontally across the bottom. Other streets include Radville Drive, Copper Crown Drive, White Star Drive, and various residential streets like Elm, Gold, and Stream. The map also shows the Buffalo River and the Buffalo Creek. A legend in the bottom left corner identifies symbols for 'R' (Railroad) and 'H' (Highway). A scale bar in the bottom right corner indicates distances in miles.

PROJECT
SITE

<u>NO.</u>	<u>TITLE</u>
1	COVER SHEET
2	GENERAL NOTES & MISCELLANEOUS DETAILS
3	UTILITY AND TRAFFIC PLAN
4	GRENFELL DR. & WHITE STAR DR. PLAN & PROFILE
5	WHITE PLAINS DRIVE & HAZEL DELL LANE PLAN & PROFILE
6	ROUGH GRADING PLAN
7	GRADING NOTES & DETAILS

NATIONAL GEODETIC VERTICAL DATUM OF 1929
CITY OF LAS VEGAS BENCHMARK-#1LV0010NNW6
-BOLT AND WASHER IN THE SOUTHERLY TOP OF CURB
AT PARK, EAST OF PIONEER AND ALEXANDER ROAD.
-ELEVATION = 2330.030
(FOR 1988 DATUM ADD 2.447 FEET.)

NORTH 00°07'54" EAST, BEING THE BEARING OF THE WEST LINE OF THE SOUTHWEST QUARTER (SW1/4) OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 10, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN ON A MAP ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE IN FILE 55, PAGE 3 OF SURVEYS.

APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHTS-OF-WAY AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE THE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS EXCEPT THOSE SPECIFICALLY LISTED UNDER "DEVIATIONS FROM STANDARDS". THE ENGINEER SHALL RESOLVE ANY DEVIATION FROM THE STANDARDS LISTED IN "DEVIATIONS FROM STANDARDS" IN FAVOR OF THE UNIFORM STANDARDS DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA.

-15-8
DATE

NOTE:
THESE PLANS SHALL NOT, IN PART OR IN WHOLE, BE USED
FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE
GOVERNING AGENCY.

[illegible]

RECOMMENDED: Daniel La Rubio, Jr. DATE 11-6-95
DANIEL LA RUBIO, JR.
R. E. # 8925

DATE :	9/29/95
DRAWN BY :	
DESIGNED BY :	
CHECKED BY :	
JOB NO. :	0143.0006
SCALE :	NONE

PENTACORE
Engineering, Inc.
6763 West Charleston Boulevard
Las Vegas, NV 89102
(702) 258-0115

BAILEY AND MCGAH
PIONEER ESTATES WEST - PHASE VI
GENERAL NOTES & MISCELLANEOUS DETAILS

SHEET
2
OF 7