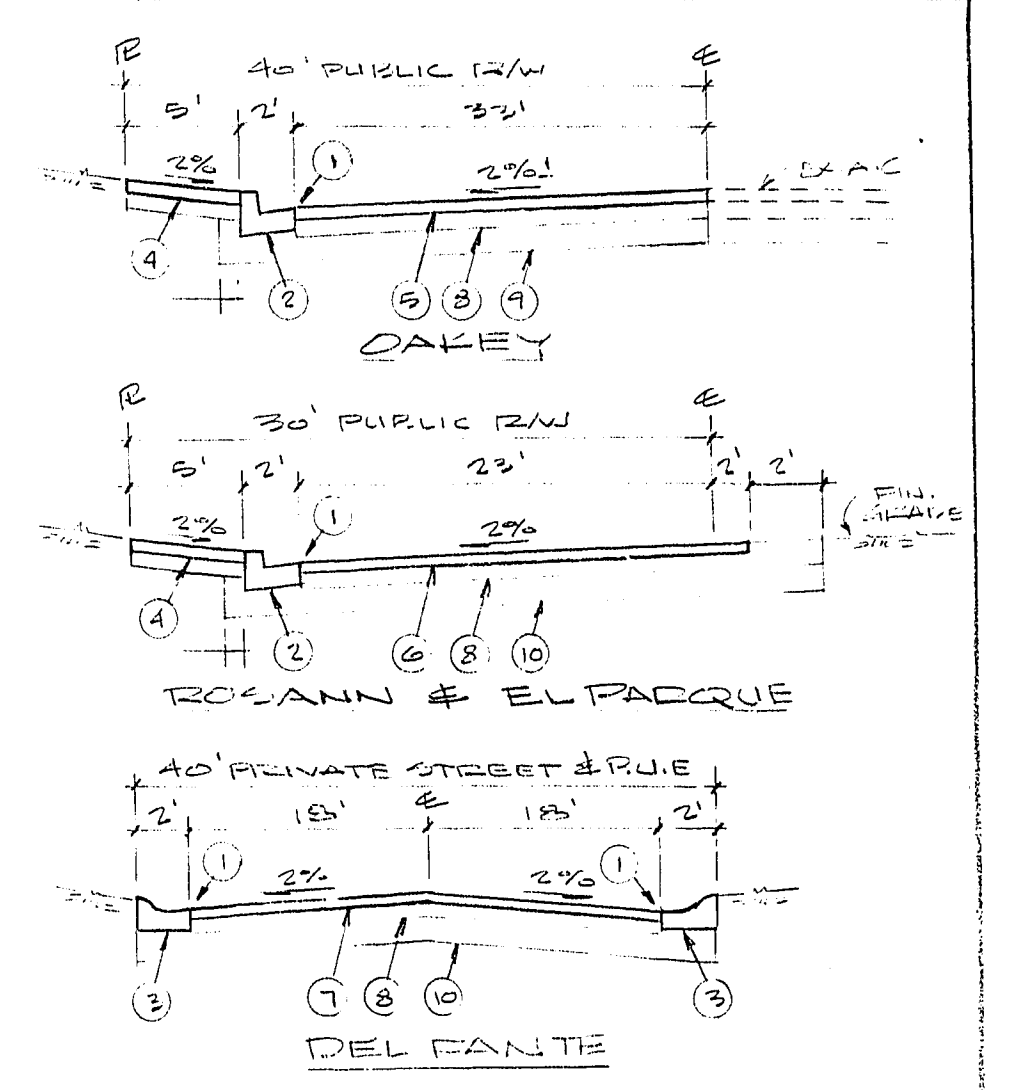
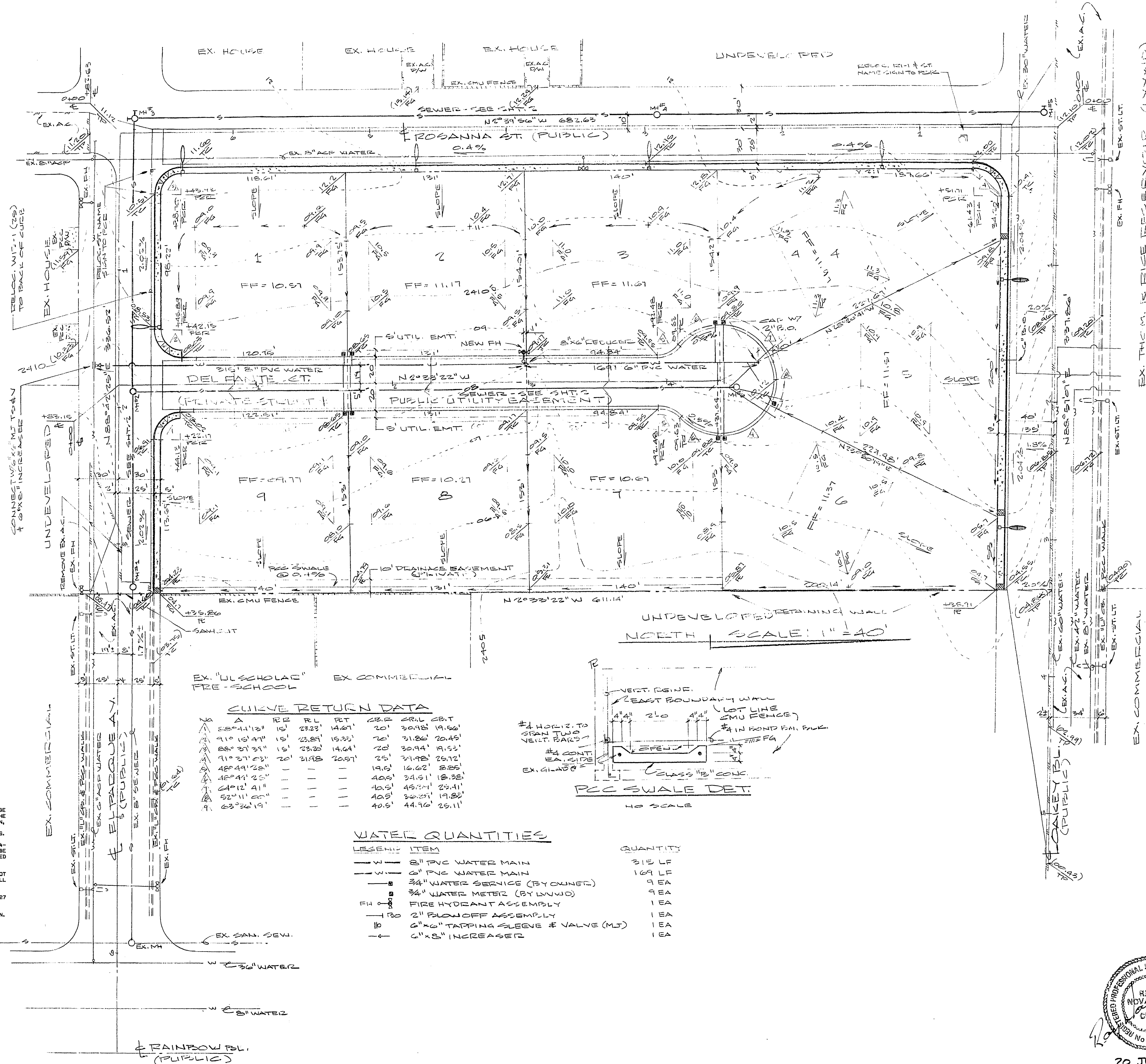
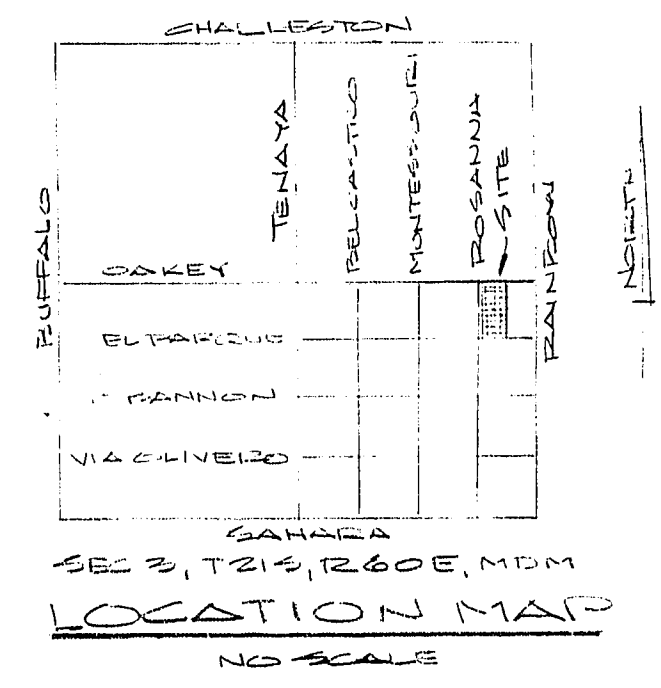




- (1) FINISH AC. 1/2" ABOVE GUTTER LIP
- (2) TYPE II CURB ON 6" MIN. TYPE I (STD. DWG. 216)
- (3) ROLL TYPE CURB ON 6" MIN. TYPE I (STD. DWG. 217)
- (4) 4" PCC WALK ON 5" MIN. TYPE II (STD. DWG. 234)
- (5) 4" MIN. ASPH. CONC. W/ FOG SEAL
- (6) 3" MIN. ASPH. CONC. W/ FOG SEAL
- (7) 2" MIN. ASPH. CONC. W/ FOG SEAL
- (8) 1" MIN. TYPE II AGG. W/ BIT. POLE COAT
- (9) 1" MIN. TYPE I AGG. ON PEER SUBGRADE
- (10) 1/2" MIN. TYPE I AGG. ON PEER SUBGRADE

TYPICAL STREET SECTIONS
NO SCALE



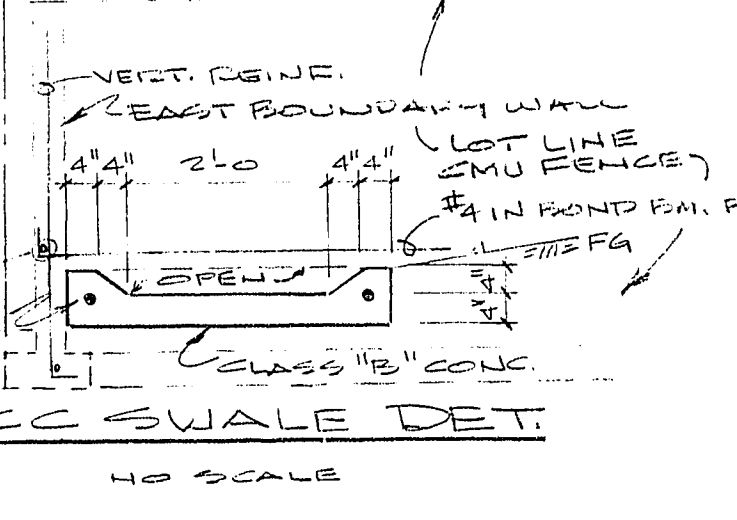
EX. "ULSCHOLAC" PRE-SCHOOL

CURVE RETURN DATA

STATION	PC	PT	RL	RT	SL	SL	SL	SL
1	20+00	20+15	14.61	20	20.15	19.50	20	20.15
2	20+15	20+30	15.33	20	20.30	20.45	20	20.30
3	20+30	20+45	14.64	20	20.45	19.53	20	20.45
4	20+45	20+60	15.33	20	20.60	20.45	20	20.60
5	20+60	20+75	14.61	20	20.75	19.50	20	20.75
6	20+75	20+90	15.33	20	20.90	20.45	20	20.90
7	20+90	21+05	14.61	20	21.05	19.50	20	21.05

WATER QUANTITIES

LEGEND	ITEM	QUANTITY
W	8" PVC WATER MAIN	215 LF
W	6" PVC WATER MAIN	169 LF
W	3/4" WATER SERVICE (BY OWNER)	9 EA
W	3/4" WATER METER (BY OWNER)	9 EA
FH	FIRE HYDRANT ASSEMBLY	1 EA
RO	2" BLOWOFF ASSEMBLY	1 EA
IO	6" x 6" TAPPING SLEEVE & VALVE (M)	1 EA
+	6" x 8" INCREASER	1 EA



LAB VEGAS VALLEY WATER DIST. (LVWD) NOTES

1. ALL WORK TO CONFORM TO LVWD LATEST SPECIFICATIONS.
2. ALL WORK, EXCEPT AS NOTED HEREIN, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFFICIAL IMPROVEMENTS, CLARK COUNTY ARE."
3. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LVWD 48 HRS. PRIOR TO ACTUAL CONSTRUCTION.
4. 6" VICE BRIDGES OR TAPPED COLLARS WILL BE REQUIRED ON ALL 3/4" INCH OR 1" INCH SERVICE LATERALS. SERVICE BRIDGES ONLY WILL BE PERMITTED ON 1 1/2" INCH & 2" INCH SERVICE LATERALS. DOUBLE TAPPED COLLARS ARE NOT PERMITTED.
5. ALL LINES TO BE PRESSURE TESTED TO 100 PSI.
6. DETECTION SINGLE SHALL NOT EXCEED 1/2" REDUCED PER 12-FOOT RECT IN OF PIPE FOR PIPE SIZES SMALLER THAN 14" INCHES. & SHALL NOT EXCEED 2" REDUCED FOR PIPE SIZES 14" INCHES & 16" INCHES.
7. ALL METERS SHALL BE LOCATED OUTSIDE OF DRIVEWAYS.
8. DETECTION SHALL BE REQUIRED IN ACCORDANCE WITH STANDARD PLATE #27 WHERE INDICATED & AS FOLLOWS:
9. OVER ALL WORK NOT INSTALLED BY 6 FEET FROM BACK OF CURB.
10. OVER ALL SERVICE LATERALS NOT INSTALLED BY 6 FEET FROM MAIN.
11. CHL. BEFORE YOU DIG, 1-800-227-2666.

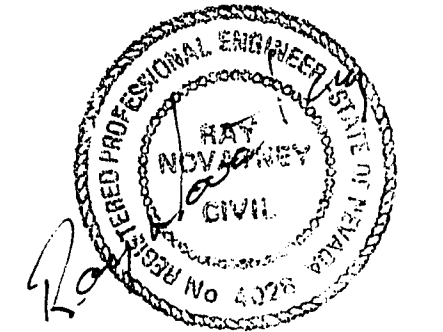
LV FIRE DEPARTMENT NOTES

1. ALL WORK SHALL BE DONE IN STRICT CONFORMANCE WITH LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS", "HYDRANT INSTALLATION SPECIFICATIONS", & ORDINANCE #2318.
2. AUTHORIZED HYDRANTS FOR THIS PROJECT ARE (A) KENNEDY GUARDIAN (B) MULLER #4-63 CENTURION OR (C) CLIM MODEL 254H REGULATION.
3. ON ANY NEW HOME OR BUILDING CONSTRUCTION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMPLETION OF CONSTRUCTION COMMENCES AND SHALL BE INSTALLED IN ACCORDANCE WITH AN APPROVED WATER SUPPLY.
4. CONTRACTOR SHALL PLACE A GREEN REFLECTIVE MARKER AT CENTERLINE OF STREET ADJACENT TO FIRE HYDRANT.
5. CALL LAS VEGAS FIRE DEPARTMENT AT 393-2888 FOR UNDERGROUND INSPECTION AND PRESSURE & FLUSH VERIFICATION OF ALL FIRE HYDRANTS & FIRE LINES BEFORE COVERING.
6. PAINTING OF CURB & HYDRANT AND ANY WORK NECESSARY FOR PROTECTION OF HYDRANTS FROM PHYSICAL DAMAGE PER ORDINANCE #2318 SHALL BE COMPLETED BEFORE APPROVAL BY CITY OF LAS VEGAS FIRE DEPARTMENT CAN BE OBTAINED.
7. A PERMIT IS REQUIRED FROM THE FIRE DEPARTMENT FOR WATER LINE & FIRE HYDRANT INSTALLATION ON THE PRIVATE SIDE OF THE METER.
8. A FLOW TEST MUST BE WITNESSED BY THE FIRE DEPARTMENT FOR VERIFICATION OF ON-SITE WATER SUPPLY.
9. ALL ON-SITE FIRE MAIN MATERIALS MUST BE U.L. LISTED & F.M. APPROVED.
10. MINIMUM FIRE HYDRANT GRADING IS 600 FEET FOR RESIDENTIAL AND 500 FEET FOR COMMERCIAL. FIRE HYDRANTS SHALL BE LOCATED WITHIN 50 FEET OF ANY CONSTRUCTION OR COMBUSTIBLE OPEN STORAGE.
11. NO FIRE HYDRANT IS TO BE LOCATED WITHIN 6 FEET OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREET LIGHT, OR ANY OTHER OBSTRUCTION.
12. NO FIRE HYDRANT IS TO BE LOCATED WITHIN THE REQUIRED RADIUS OF A CURB-DE-SAC NOR WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF A CURB-DE-SAC.
13. EXISTING FIRE HYDRANTS ARE TO BE MAINTAINED & REPAIRED BY THE SUPPLY CAPABLE OF SUPPLYING THE REQUIRED FIRE FLOW.
14. EXISTING FIRE HYDRANTS ARE TO BE MAINTAINED & REPAIRED BY THE SUPPLY CAPABLE OF SUPPLYING THE REQUIRED FIRE FLOW.
15. EXISTING FIRE HYDRANTS ARE TO BE MAINTAINED & REPAIRED BY THE SUPPLY CAPABLE OF SUPPLYING THE REQUIRED FIRE FLOW.
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20. EXISTING FIRE HYDRANTS ARE TO BE MAINTAINED & REPAIRED BY THE SUPPLY CAPABLE OF SUPPLYING THE REQUIRED FIRE FLOW.

LV GENERAL NOTES

1. ALL CONSTRUCTION & MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA (VEAD)", LATEST EDITION, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", CITY OF LAS VEGAS; ANY OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY, THE UNIFORM BUILDING CODES AND ALL LOCAL CODES & ORDINANCES APPLICABLE.
2. THE EXISTENCE & LOCATION OF ANY UNDERGROUND UTILITIES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A "B" OF AVAILABLE RECORDS. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. EXISTING UTILITIES ARE LOCATED ON THE PLAN ONLY FOR THE CONVEYANCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS ARE NOT SHOWN ON THE PLANS AND CONTRACTOR IS ADVISED TO CALL (1-800-227-2666) BEFORE DIGGING.
3. CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT THE UTILITIES LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. EXISTING UTILITIES ARE LOCATED ON THE PLAN ONLY FOR THE CONVEYANCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS ARE NOT SHOWN ON THE PLANS AND CONTRACTOR IS ADVISED TO CALL (1-800-227-2666) BEFORE DIGGING.
4. CONTRACTOR SHALL NOT BACKFILL ANY TRENCH IN WHICH WATER LINES HAVE BEEN UNCOVERED UNTIL THE LINES HAVE BEEN INSPECTED BY LAS VEGAS VALLEY WATER DISTRICT. THE DISTRICT SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION IN THE VICINITY OF THE WATER LINES.
5. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY ALTERATIONS MUST HAVE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
6. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK AND SHALL BE DESIGNED FOR A 5,000 PSI MIX WITH A MAXIMUM WATER/CEMENT RATIO OF 0.45 (OR AS DESIGNED BY SOILS ENGINEER). MIX DESIGN MUST BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.
7. PERMITS ARE REQUIRED FOR ANY WORK WITHIN PUBLIC RIGHT OF WAY. CONTRACTOR SHALL SECURE ALL PERMITS & INSURANCES REQUIRED FOR THIS CONSTRUCTION.
8. EXPANSION JOINTS ARE REQUIRED AT A MINIMUM OF 300 FEET FOR EXPOSED TYPE CURB.
9. AC PAVEMENT SHALL BE FINISHED 0.5 INCH ABOVE LIP OF CURB BUTTER OR VALLEY CUTTERS AFTER CONSTRUCTION.
10. APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS & ADJUSTMENTS HAVE BEEN MADE.
11. CURB & BUTTER WITH A GRADE OF LESS THAN 0.4% SHALL BE CONSTRUCTED WITH A 1/2" MIN. TYPE II AGG. ON PEER SUBGRADE. PRIOR TO CONSTRUCTION ANY WATER TRENCH AS SOON AS POSSIBLE AFTER SETTING.
12. CONTRACTOR SHALL PROVIDE ALL NECESSARY HOISTING AND SHELTER TRANSITIONS BETWEEN NEW & EXISTING UTILITIES TO PROVIDE FOR PROPER DRAINAGE AND TO PREVENT ANY OBSTRUCTION TO FLOW.
13. EXISTING LOCATION OF ALL EXISTING LINES MAY BE DETERMINED IN THE FIELD BY A CITY INSPECTOR. THE DISTRICT SHALL BE NOTIFIED PRIOR TO ANY EXISTING CONDITIONS REQUIRE RELOCATION.
14. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED & ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.E.S. STATUTE NO. 555-250.

APPROVED
for *Chad Baker*
LAS VEGAS CITY ENGINEER
DATE 9/7/89



NOTE: SEE SHEET 2 FOR STREET & SEWER DETAILS

BENCHMARK SEED BM 710204 INSET IN 2D. NE QUAD. OAKLEY & RAINBOW ELEV. = 2297.92	APPROVALS <i>8-7-89</i> LAS VEGAS VALLEY WATER DIST. <i>08-29-89</i> NEVADA POWER COMPANY	SUBMITTER MICHAEL DELPANTE 7100 W. AZULIC DR. LAS VEGAS, NV 89120 (702) 646-2272	ENGINEER RAY MONAGHAN, REG. 4028 4142 S. MOHAWK RD. LAS VEGAS, NV 89121 (702) 436-6734	LAND DEVELOPMENT PLANS DEL SOL LAS VEGAS, NEVADA	SHEET 1 OF 2 "AS BUILT" 1077-4063
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