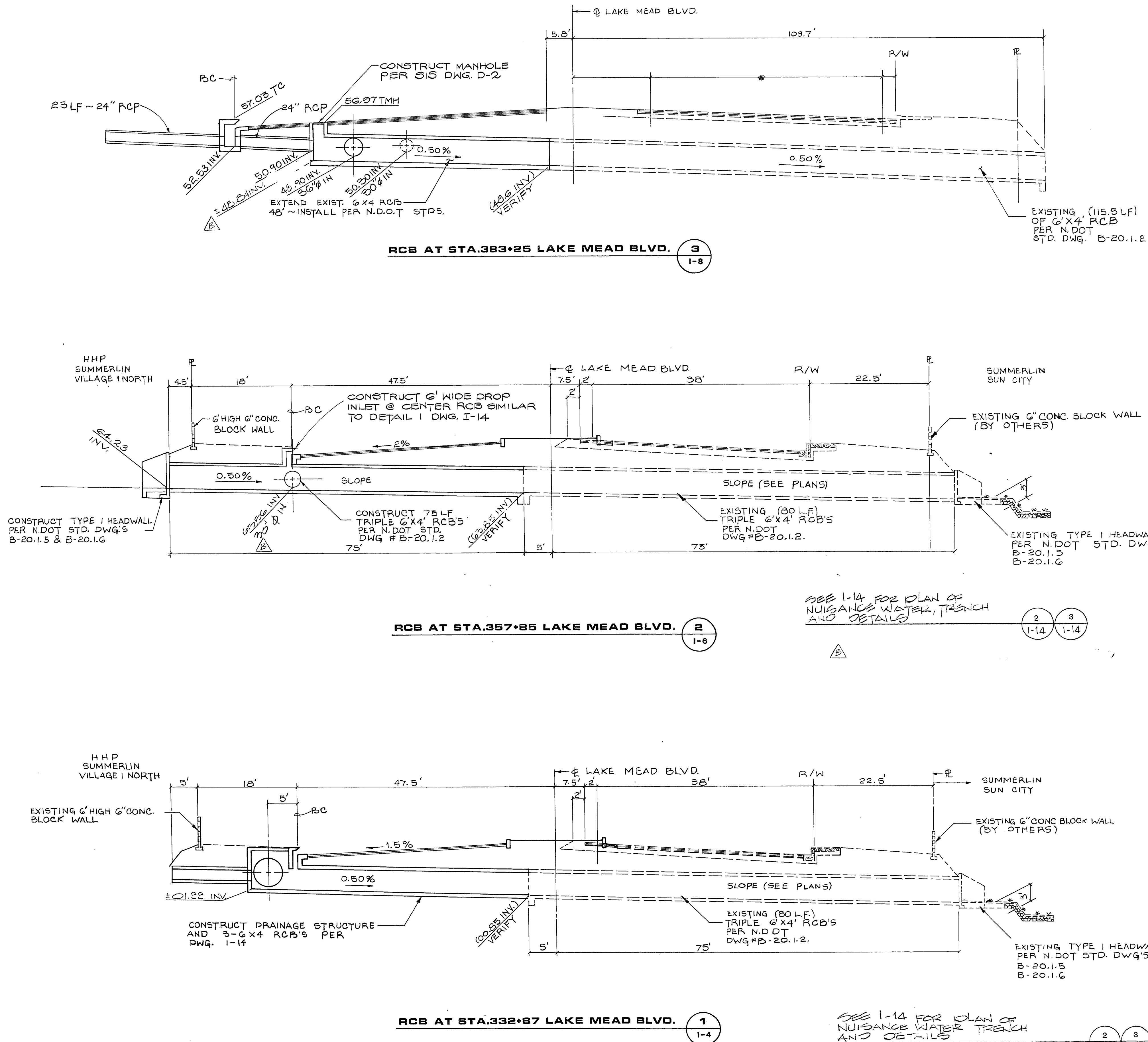




NOTES:

STORM DRAIN

GENERAL NOTES

1. STORM DRAIN STATIONS ARE BASED ON STATIONING ALONG CENTERLINE OF STREET. ACTUAL HORIZONTAL DISTANCES ALONG CENTERLINE OF PIPE ALIGNMENT ARE SHOWN ON THE PROFILES. PIPE LENGTHS ARE CALCULATED FROM CENTERLINE OF STRUCTURE.
2. CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL OVERHEAD INTERFERENCES WHICH MIGHT AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME.
3. THE CONTRACTOR SHALL NOT BACKFILL TRENCH WITHIN WHICH WATERLINES HAVE BEEN UNCOVERED UNTIL THE WATERLINES HAVE BEEN INSPECTED BY THE LAS VEGAS VALLEY WATER DISTRICT.
4. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING OVER OR NEAR THE EXISTING GAS MAINS. CONTACT SOUTHWEST GAS FOR DETAILED REQUIREMENTS AND PROCEDURES TO BE FOLLOWED DURING CONSTRUCTION.
5. ALL PIPE SLOPES ARE SHOWN IN DECIMALS OF FT./FT. OF PIPE.
6. IN AREAS WITH EXISTING STREET LIGHTS, THERE MAY BE ELECTRICAL CONDUITS LOCATED UNDER THE SIDEWALK. THE CONTRACTOR SHALL PROTECT OR REPLACE ANY CONDUITS DAMAGED DURING CONSTRUCTION.
7. CONSTRUCTION SURVEYS:
GRADES ARE GIVEN FROM TOP OF STAKES OR NAILS. THE CONTRACTOR IS CAUTIONED TO OBSERVE THE FOLLOWING RULE IN USING THE GRADE STAKES; THREE CONSECUTIVE POINTS THAT ARE SHOWN TO BE THE SAME RATE OF SLOPE MUST BE USED IN COMMON, IN ORDER THAT ANY VARIATION OUT OF A PERFECT STRAIGHT GRADE MAY BE DETECTED, AND IN CASE ANY SUCH DISCREPANCY IS FOUND, THE SAME MUST BE REPORTED TO THE ENGINEER.
8. CAUTION TO CONTRACTOR: HORIZONTAL AND/OR VERTICAL ANGLE POINTS AND HORIZONTAL CURVES ARE SHOWN IN PLAN AND PROFILE DRAWINGS. NO PIPE JOINT SHALL BE PULLED MORE THAN 3/4 INCH.

DROP INLET NOTES

1. ALL DROP INLETS TO BE CONSTRUCTED ON 12" MINIMUM THICK TYPE 2 GRAVEL BASE COMPACTED TO 95% MAXIMUM DENSITY.
2. PIPE SHALL BE TRIMMED TO THE FINAL SHAPE AND LENGTH BEFORE THE PLACEMENT OF CONCRETE.
3. FLOOR OF THE BASIN SHALL SLOPE FROM ALL WALLS TO THE OUTLET AND SHALL BE TROWELED TO A HARD SMOOTH SURFACE FINISH.
4. CURVATURE OF THE SILL AND SIDE WALL AT THE GUTTER OPENING SHALL BE FORMED BY CURVED FORMS, AND ALL EXPOSED EDGES OR CORNERS AND CONCRETE TO METAL FRAME EDGES SHALL BE GIVEN 1/4" RADIUS EDGER FINISH. SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM IN GRADE, SLOPE, COLOR AND FINISH TO THE EXISTING OR PROPOSED CURB AND SIDEWALK ADJACENT TO THE BASIN.
5. TRANSITION FROM 6" TO 8" CURB HEIGHT SHALL EXTEND 5' ON EITHER SIDE OF DROP INLET BOX.

MANHOLE NOTES

1. MANHOLE FRAME AND COVER SHALL BE LOCATED AT 90° OFFSET TO CENTERLINE OF STORM DRAIN THROUGH MANHOLE, SUCH THAT CENTERLINE OF LID IS NOT OVER CENTERLINE OF PIPE.
2. ALL GRADE RINGS AND SECTIONS SHALL BE PRE-CAST REINFORCED CONCRETE.
3. MANHOLE COVER TO BE SET AT... EXISTING OR PROPOSED STREET FINISHED GRADE. IN UNPAVED AREAS, COVER SHALL BE SET PER ELEVATION SHOWN IN PROFILE DRAWINGS.
4. AREA UNDER MANHOLE SHALL BE OVER-EXCAVATED AND FILLED WITH 12" OF TYPE 2 GRAVEL COMPACTED TO 95% MAXIMUM DENSITY. (IF ADDITIONAL OVER-EXCAVATION IS ORDERED BY ENGINEER, SEE SPECS.)
5. SIDES OF MANHOLE BASES TO BE POURED AGAINST UNDISTURBED EARTH OR FORMED.
6. UNLESS OTHERWISE NOTED, MANHOLE BASES MAY BE POURED ROUND OR SQUARE.

RECORD DRAWINGS

THESE PLANS SHOW RECORD INFORMATION RECEIVED FROM:

CONTRACTOR: **SOUTHERN NEVADA PAVING/TAB**

DATE: **6-18-90**

THIS DATA MAY OR MAY NOT REFLECT THE ACTUAL FIELD LOCATIONS. ALL DATA SHOULD BE CONFIRMED PRIOR TO USE ON DEVELOPMENT OR ENGINEERING PLANS.

DESCRIPTION	REV	DATE	ISSUE TO BID	REVISION	RECORD DRAWING
	A	8/7/89			
	B	8/2/89			
	C	8/16/89			

RECORD DRAWING	DATE	8/7/89
50% R.E. NO.		
100% R.E. NO.		

HOWARD HUGHES PROPERTIES	G.C. WALLACE, INC.
VILLAGE 1 NORTH LAKE MEAD BLVD.	Engineering/Architecture
BOX CULVERT DETAILS/PROFILES	

SHEET	1-10
130F 17 SHEETS	