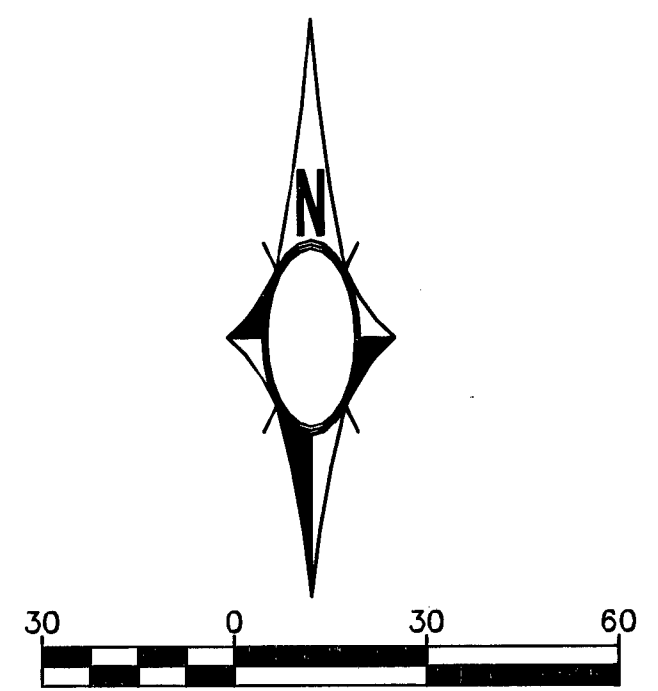


- NOTES:**
- REFER TO SHEETS SS-01 TO SS-07 FOR SANITARY SEWER PLANS
 - REFER TO SHEETS UT-01 TO UT-07 FOR UTILITY PLANS
 - REFER TO SHEETS C-01 TO C-03 FOR REMOVALS AND PAVEMENT PLANS
 - REFER TO SHEETS ST-01 TO ST-03 FOR STRIPING PLANS
 - REFER TO SHEETS TY-01 TO TY-03 FOR STORM DRAIN TRENCH DETAILS AND TYPICALS
 - LOCATIONS OF EXISTING SANITARY SEWER, EXISTING UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL VERIFY THEIR LOCATIONS IN THE FIELD PRIOR TO CONSTRUCTION



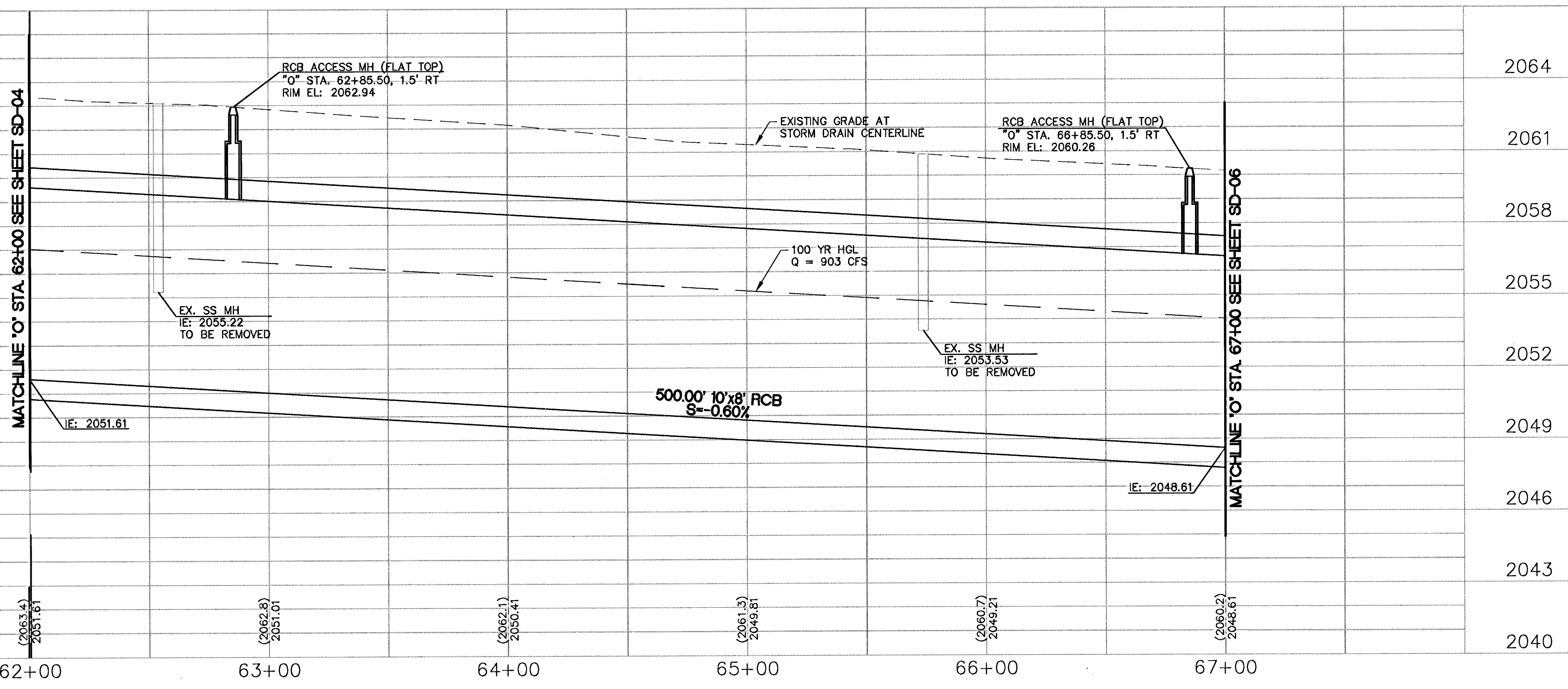
- DRAINAGE NOTES**
- PROTECT-IN-PLACE
 - CONSTRUCT 5'x5' PRECAST RCB
 - CONSTRUCT 8'x8' PRECAST RCB
 - CONSTRUCT 10'x8' PRECAST RCB
 - CONSTRUCT 18" RCP (CLASS III)
 - CONSTRUCT 24" RCP (CLASS III)
 - CONSTRUCT 30" RCP (CLASS III)
 - CONSTRUCT 36" RCP (CLASS III)
 - CONSTRUCT 48" RCP (CLASS III)
 - CONSTRUCT 19"x30" HERCP (CLASS III)
 - CONSTRUCT 24"x38" HERCP (CLASS III)
 - NOT USED
 - CONSTRUCT 34"x53" HERCP (CLASS III)
 - CONSTRUCT PRECAST 60" (TYPE II) STORM DRAIN MANHOLE PER USDOCA STD DWG No. 405
 - CONSTRUCT PRECAST RCB ACCESS MANHOLE PER DETAIL ON DT-02
 - CONSTRUCT 2.5' TYPE "DM" DROP INLET PER DETAIL ON DT-01
 - CONSTRUCT 20' TYPE "DM" DROP INLET PER DETAIL ON SHEET DT-01
 - CONSTRUCT 5'X5' TO 5'X5' PRECAST RCB TRANSITION STRUCTURE (REFER TO SHEET DT-03 FOR DETAILS)
 - CONSTRUCT 5'X5' TO 5'X8' PRECAST RCB TRANSITION STRUCTURE (REFER TO SHEET DT-03 FOR DETAILS)
 - CONSTRUCT 5'X8' TO 8'X8' PRECAST RCB TRANSITION STRUCTURE (REFER TO SHEET DT-03 FOR DETAILS)
 - CONSTRUCT 8'X8' TO 10'X8' PRECAST RCB TRANSITION STRUCTURE (REFER TO SHEET DT-03 FOR DETAILS)
 - CONSTRUCT PRECAST RCB WYE (REFER TO SHEET DT-04 FOR DETAILS)
 - CONSTRUCT PLUG FOR RCB (REFER TO SHEET DT-05 FOR DETAILS, NO DIRECT PAYMENT)
 - REMOVE EXISTING RCB PLUG AND TIE INTO EXISTING RCB (NO DIRECT PAYMENT)
 - REPLACE EXISTING VCP SANITARY SEWER PIPE WITH C900 PIPE WITHIN THE LIMITS OF TRENCH+2' (REFER TO DCSWCS SD-19 FOR DETAILS)
 - CONSTRUCT PRECAST 72" (TYPE II) STORM DRAIN MANHOLE PER USDOCA STD DWG No. 405

Joseph Morgan 7/9/08
 LAS VEGAS VALLEY WATER DISTRICT DATE

- STORM DRAIN NOTES:**
- ALL STORM SEWER STATION AND OFFSETS ARE TAKEN FROM THE OAKLEY BOULEVARD ("O") ALIGNMENT.
 - ALL LATERAL PIPE LENGTHS MEASURED ALONG PIPE CENTERLINE TO CENTER OF MANHOLE OR INSIDE EDGE OF DI, RCB, OR STRUCTURE.

- WATER LINE NOTES:**
- ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.
 - PROTECT WATER LINES IN PLACE. WHEREVER A WATER LINE IS WITHIN 18" ABOVE A STORM DRAIN LINE, OR WHERE COMPACTION UNDER A WATER LINE CANNOT BE MET, BACKFILL TRENCH WITH CEMENT SLURRY OR FLOWABLE BACKFILL TO THE SPRINGLINE OF THE WATER LINE.
 - BACKFILL DRAIN INLETS WITH CLASS 1 CLSM WHERE WATER MAIN AND DRAIN INLET SEPARATION IS LESS THAN 6 FT.

- UTILITY NOTES:**
- EXISTING UTILITIES ARE LOCATED ON THE PLANS FROM A SEARCH OF EXISTING RECORDS AND POT HOLE INFORMATION. THE LOCATIONS AND DEPTHS MUST BE VERIFIED BEFORE CONSTRUCTION.
 - EXISTING UTILITIES ARE LOCATED AND STATIONED ALONG STREET CENTERLINES.



100% FINAL SUBMITTAL
 JUNE 19, 2008

Call before you dig
 1-800-277-8800

Call before you overhead
 1-702-593-6111

DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DESIGN SECTION

CITY ENGINEER: JORGE CERVANTES, P.E., P.T.O.E.
 PROJECT MANAGER: ROSA CORTEZ, P.E.

DESIGNED BY: VP
 DRAWN BY: MG
 CHECKED BY: RR

HORIZONTAL SCALE: 1"=30'
 VERTICAL SCALE: 1"=5'

DATE: 06/19/2008

CITY OF LAS VEGAS
 ENGINEER
 THOMAS M. CRAIG
 No. 2231-08
 CIVIL

TITLE: OAKLEY STORM DRAIN
 BIRCH STREET TO CAHLAN DRIVE

SHEET: STORM DRAIN PLAN AND PROFILE
 STA 62+00.00 TO STA 67+00.00

Sheet
SD-05
 22 of 56
 DRAWING NO.
327V280

NO. DATE DESCRIPTION

REVISIONS

APPD

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