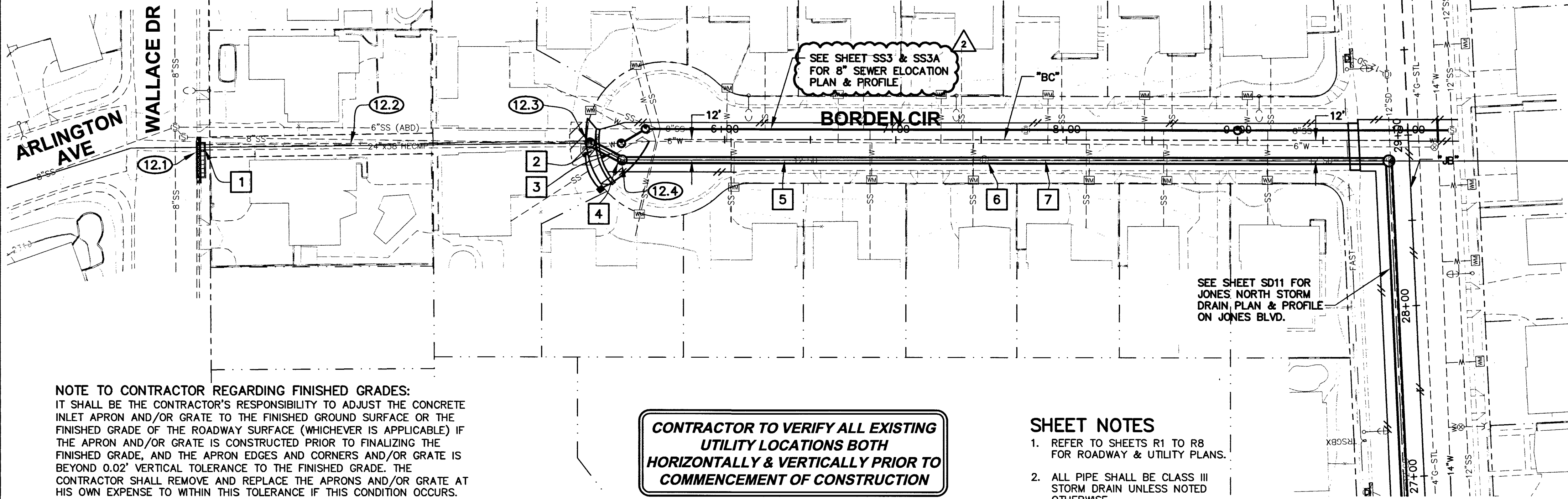


LVVWD NOTES LVVWD PROJECT NO. 114809

- ALL WATER SERVICES TO BE PROTECTED IN PLACE. IN THE EVENT A SERVICE IS DAMAGED REFER TO NOTE 2 FOR RECONNECTING. ALL SERVICES SHALL HAVE 18" CLEARANCE FROM TOP OF STORM DRAIN WHILE MAINTAINING EXISTING COVER (30" MIN). ANY EXCEPTIONS WILL REQUIRE THE SERVICE BE PLACED IN A 2" SCH 40 PVC SLEEVE WITH A MINIMUM OF 12" COVER. ANY SERVICES PLACED IN A PVC SLEEVE MUST BE UNDAMAGED COPPER INSTALLED PER NOTE 2.
- ALL SERVICE LATERALS TWO (2) INCHES AND SMALLER THAT ARE CUT OR DAMAGED MAY BE RECONNECTED PROVIDED THE FOLLOWING CRITERIA ARE MET:
 - IF THE LATERAL IS COPPER, THE LATERAL MAY BE CUT AND SPLICED NOT MORE THAN ONCE IN A MANNER APPROVED BY THE DISTRICT.
 - IF THE LATERAL IS NOT COPPER, THE LATERAL MUST BE ABANDONED FROM THE EXISTING WATER MAIN, HAVE THE CORPORATION STOP TURNED OFF AT THE MAIN, AND A MINIMUM OF TWELVE (12) INCHES OF THE LATERAL CUT OUT NEAR THE CORPORATION STOP AND A BRASS CAP INSTALLED ON THE CORPORATION STOP. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY THE LVVWD. IF THE CORPORATION STOP IS NOT WATER TIGHT
- WHEREVER A WATERLINE IS ABOVE A STORM DRAIN OR SEWER WHERE COMPACTION REQUIREMENTS UNDER A WATERLINE CANNOT BE MET (30" OR LESS SEPARATION), BACKFILL TRENCH WITH CLASS II CONTROLLED LOW STRENGTH MATERIAL (CLSM) WITH BOND BREAKER TO THE SPRINGLINE OF THE WATERLINE. THIS REQUIREMENT IS FOR STRUCTURAL SUPPORT ONLY. ADDITIONAL HEALTH REGULATIONS MAY APPLY PER UDACS 2.19
- CONTRACTOR MUST SUBMIT SHOP DRAWINGS TO LVVWD BEFORE CONSTRUCTION TO SHOW HOW WATERLINES SPANNING A TRENCH WILL BE SUPPORTED DURING EXCAVATION & BACKFILL. DRAWINGS WILL INCLUDE ALL LOCATIONS WHERE WATERLINES SPAN A TRENCH GREATER THAN FOUR (4) FEET WIDE.
- DISPOSAL OF ASBESTOS CEMENT PIPE SHALL BE IN ACCORDANCE WITH AWWA, LOCAL, STATE, AND FEDERAL REGULATIONS.

THE CONTRACTOR SHALL NOTIFY LVVWD COMMUNICATIONS SUPPORT CENTER (702-258-7171) FOR FURTHER DIRECTION. THE CONTRACTOR SHALL INSTALL A NEW SERVICE OF LIKE SIZE ADJACENT TO THE DAMAGED SERVICE IN ACCORDANCE WITH UDACS PLATE NO. 1B OR 1D.

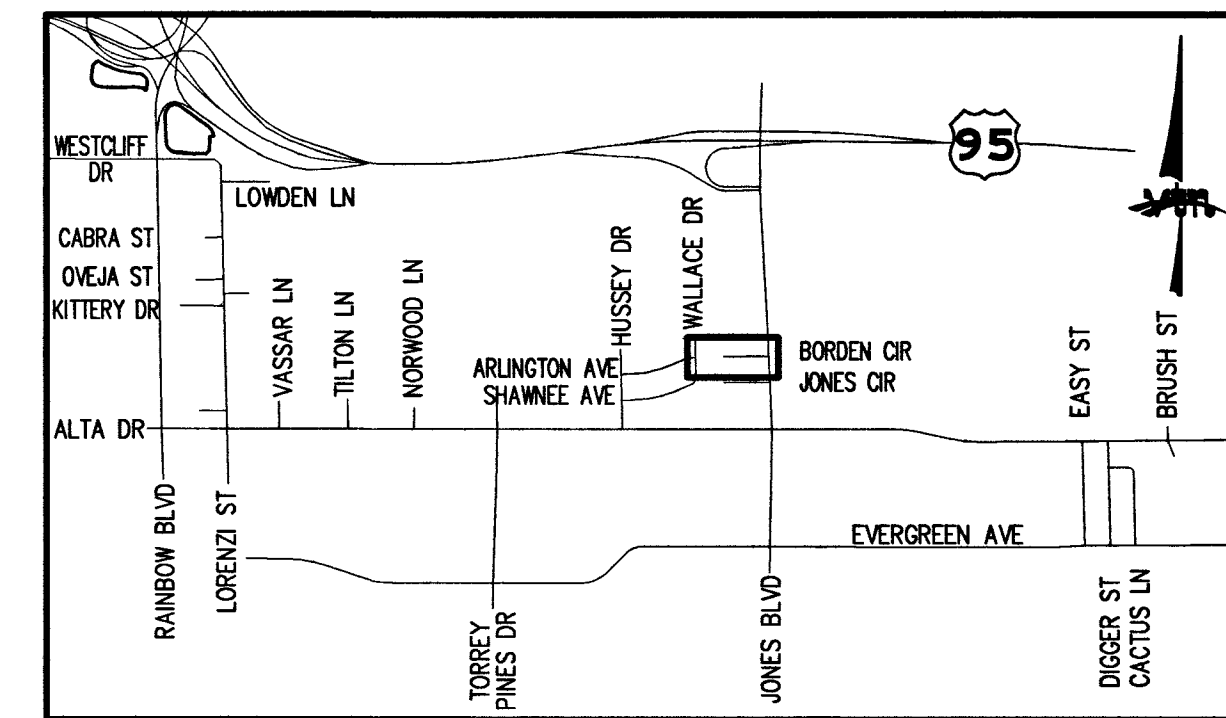


NOTE TO CONTRACTOR REGARDING FINISHED GRADES:
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ADJUST THE CONCRETE INLET APRON AND/OR GRATE TO THE FINISHED GROUND SURFACE OR THE FINISHED GRADE OF THE ROADWAY SURFACE (WHICHEVER IS APPLICABLE) IF THE APRON AND/OR GRATE IS CONSTRUCTED PRIOR TO FINALIZING THE FINISHED GRADE, AND THE APRON EDGES AND CORNERS AND/OR GRATE IS BEYOND 0.02' VERTICAL TOLERANCE TO THE FINISHED GRADE. THE CONTRACTOR SHALL REMOVE AND REPLACE THE APRONS AND/OR GRATE AT HIS OWN EXPENSE TO WITHIN THIS TOLERANCE IF THIS CONDITION OCCURS.

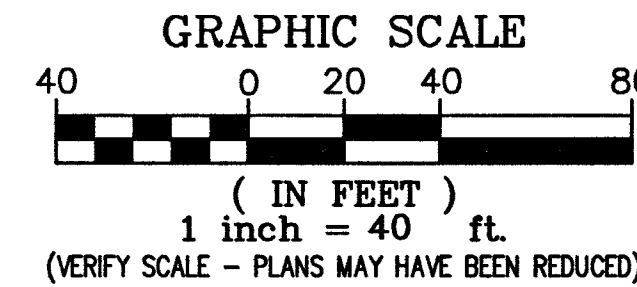
CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS BOTH HORIZONTALLY & VERTICALLY PRIOR TO COMMENCEMENT OF CONSTRUCTION

SHEET NOTES

- REFER TO SHEETS R1 TO R8 FOR ROADWAY & UTILITY PLANS.
- ALL PIPE SHALL BE CLASS III STORM DRAIN UNLESS NOTED OTHERWISE.



KEY MAP

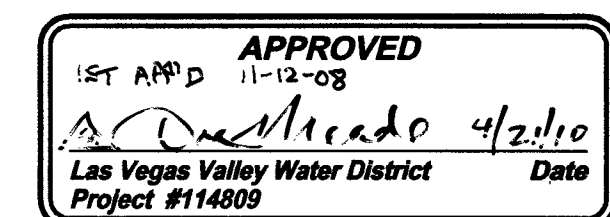
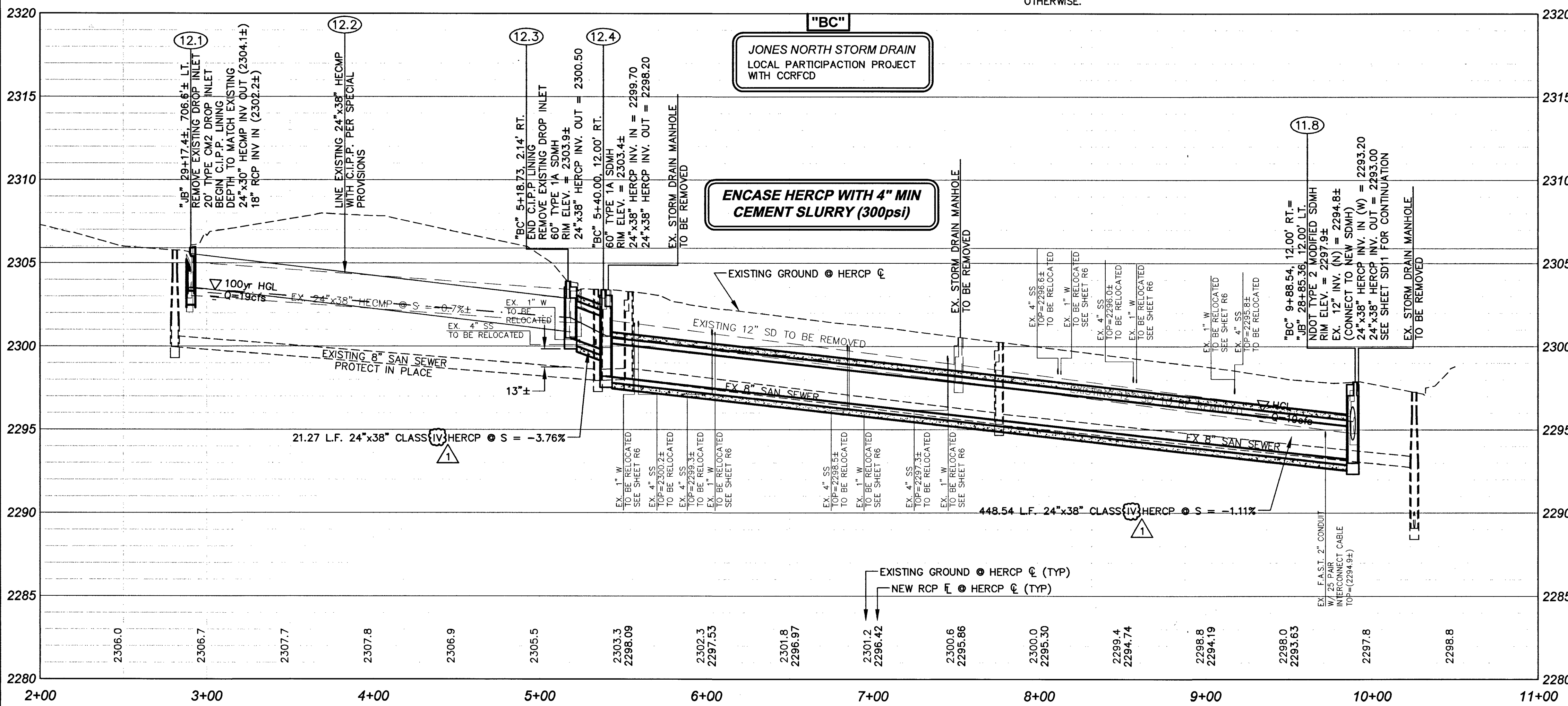


CONSTRUCTION NOTES

- "JB" 29+17.4, 706.6± LT. CONSTRUCT 20" TYPE CM2 DROP INLET DEPTH TO MATCH EXISTING 24"x38" HECMP SEE SHEET D10.
- "BC" 29+17.4, 706.6± LT. TO "BC" 5+18.73, 2.14' RT. LINE EXISTING 226.8± L.F. 24"x38" HECMP WITH C.I.P.P. LINER PER SPECIAL PROVISIONS.
- "BC" 5+18.73, 2.14' RT. REMOVE EXISTING DROP INLET CONSTRUCT 60" TYPE 1A MANHOLE (PER USDOCA STD. DWG. NO. 403) INSTALL 21.27 L.F. 24"x38" CLASS IV HERCP
- "BC" 5+40.00, 12.00' RT. CONSTRUCT 60" TYPE 1A MANHOLE (PER USDOCA STD. DWG. NO. 403) INSTALL 448.54 L.F. 24"x38" CLASS IV HERCP

REMOVAL NOTES

- REMOVE EXISTING DROP INLET
- REMOVE EXISTING DROP INLET
- REMOVE 29 L.F.± EXISTING 12" RCP
- REMOVE EXISTING MANHOLE
- REMOVE 212 L.F.± EXISTING 12" RCP
- REMOVE EXISTING MANHOLE
- REMOVE 238 L.F.± EXISTING 12" RCP



DEPARTMENT OF PUBLIC WORKS 400 E. STEWART AVE. LAS VEGAS, NV 89101 702-228-8272		2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148 PH. (702) 873-7550 FAX (702) 362-2587 WEB SITE WWW.LVVWD.COM
STORM DRAIN PLAN & PROFILE BORDEN CIRCLE "BC" 2+00.00 TO "BC" 11+00.00	MEADOWS ALTA PARALLEL PROJECT PHASE II	
DRAWN BY: WBM DESIGNED BY: YIN CHECKED BY: JNG PROJECT NO: SCALE - HORIZ. 1"=40' 8912 VERT. 1"=4'	NOV 10, 2008 NOV 10, 2008 NOV 10, 2008 2010-12-25	
SHEET SD12 OF 10 SHEETS DRAWING NO. 327/281		