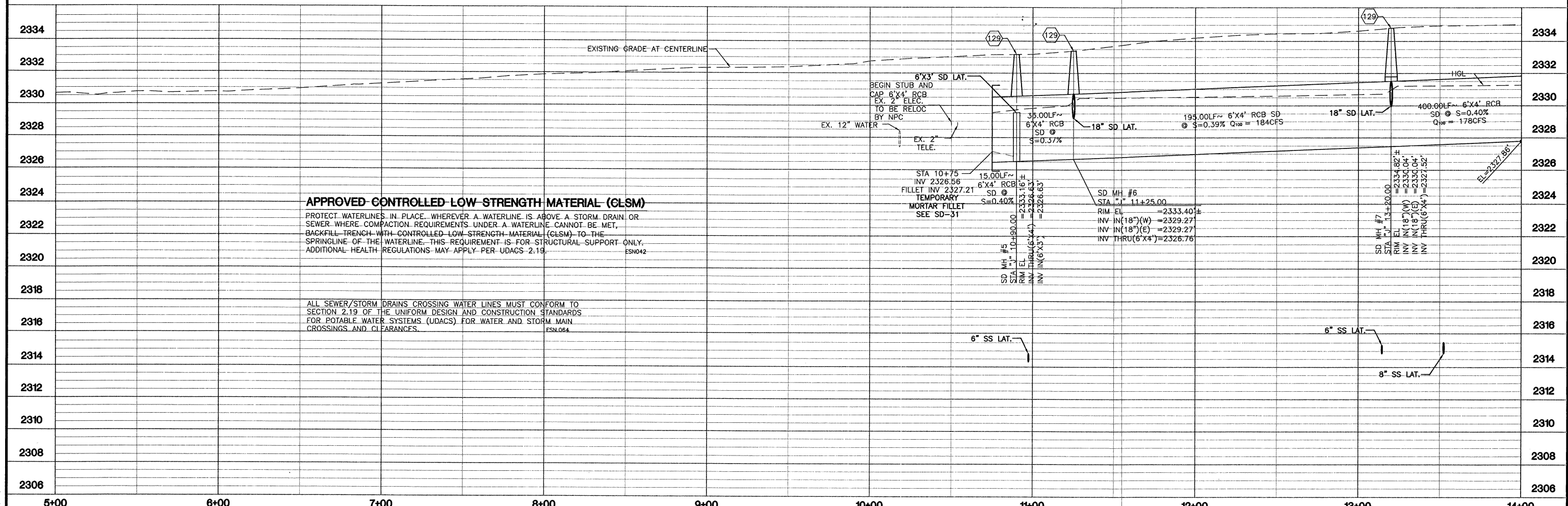


NOTE: FOR STORM DRAIN LATERALS SEE SD-17



**APPROVED-CONTROLLED-LOW-STRENGTH MATERIAL (CLSM)**  
 PROTECT WATERLINES IN PLACE. WHEREVER A WATERLINE IS ABOVE A STORM DRAIN OR SEWER WHERE COMPACTION REQUIREMENTS UNDER A WATERLINE CANNOT BE MET, BACKFILL TRENCH WITH CONTROLLED-LOW-STRENGTH MATERIAL (CLSM) TO THE SPRINGLINE OF THE WATERLINE. THIS REQUIREMENT IS FOR STRUCTURAL SUPPORT ONLY. ADDITIONAL HEALTH REGULATIONS MAY APPLY PER UDACS 2.19. ESN042

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. ESN064

**CONSTRUCTION NOTES**

- (120) CONSTRUCT 18" RCP. SEE SD-31 FOR TRENCH DETAIL.
- (125) CONSTRUCT 6"x4" RCB. SEE SD-31 FOR TRENCH DETAIL.
- (129) CONSTRUCT 6"x4" RCB MANHOLE W/GRATING PER DETAIL 1 SHEET SD-30
- (130) CONSTRUCT TYPE DM INLET PER DETAIL 1 SHEET SD-27
- (131) CONSTRUCT NDOT MODIFIED TYPE 2A INLET W/ 36" RCP PER DETAIL (SEE SHEET SD-30)
- (182) INSTALL CEMENT SLURRY PER UDACS SECTION 2.19.02B
- (182) CONSTRUCT 6"x3" RCB. SEE SD-31 FOR TRENCH DETAIL.

L#	LENGTH	BEARING	STARTING		ENDING	
			NORTHING	EASTING	NORTHING	EASTING
ML1	9.66'	S00°38'30"W	26807684'	761981'	26807675'	761980'
ML2	195.00'	S00°38'35"W	26807879'	761983'	26807684'	761981'
ML3	400.00'	S00°38'35"W	26808279'	761987'	26807879'	761983'
SL1	94.38'	N89°23'16"W	26807649'	761880'	26807650'	761985'
SL2	66.23'	N59°21'12"W	26807684'	761981'	26807718'	761924'
SL3	45.96'	N68°16'06"E	26807684'	761981'	26807701'	762023'
SL4	50.47'	N69°20'36"W	26807879'	761983'	26807897'	761936'
SL5	45.92'	N68°23'27"E	26807879'	761983'	26807896'	762025'

**LEGEND** AS BUILT DRAWINGS

GRAPHIC SCALE: 0 15 30 60

APPROVED FOR CONSTRUCTION

Call before you Overhead

1-702-227-2929

**REVISIONS**

NO.	DATE	DESCRIPTION	APPROVED

**ENGINEERING DESIGN SECTION**

CITY ENGINEER: JORGE GERRANTES, P.E., P.C.O.E.  
 PROJECT MANAGER: MICHAEL STURDIVANT, P.E.  
 DESIGNED BY: DD HORIZ. SCALE: 1"=30'  
 DRAWN BY: GCL VERT. SCALE: 1"=3'  
 CHECKED BY: DD DATE: MAR 2008

**DEPARTMENT OF PUBLIC WORKS**

**City of Las Vegas**

**Cartier Burgess**  
 Consultants in Planning, Engineering, Construction Management, and Related Services  
 6665 Bermuda Road  
 Las Vegas, Nevada 89119  
 (702) 938-5400 Fax (702) 938-5464

**JONES BOULEVARD IMPROVEMENTS**  
**ELKHORN ROAD TO HORSE DRIVE**  
**STORM DRAIN PLAN AND PROFILE**  
**"J" STA 5+00 TO STA 14+00**

TITLE: SHEET: **SD-01** 77 of 174 DRAWING NO. 107V4979

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