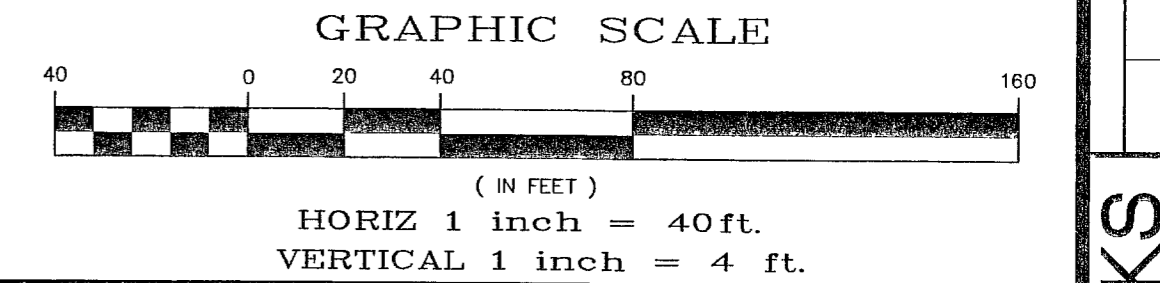
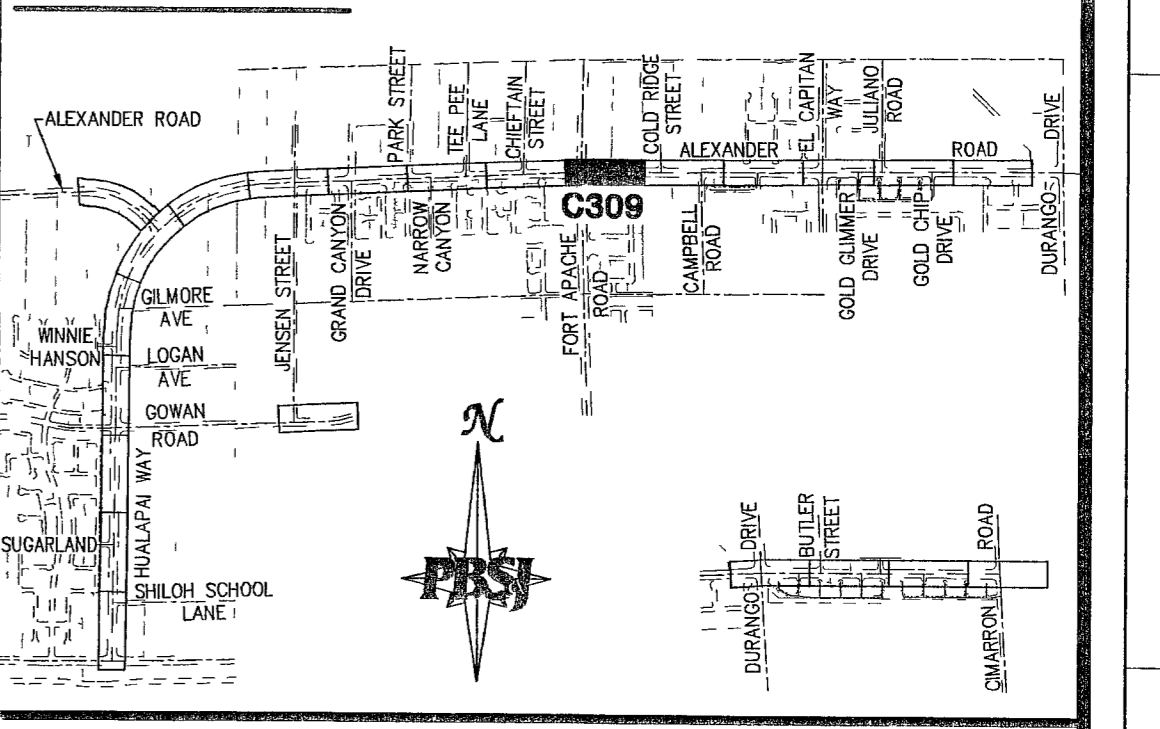
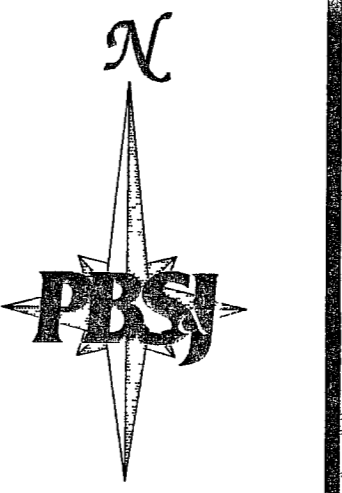


Call before you Dig
before you Overhead
1-800-227-2600
1-702-593-6111
Nevada Power Environment and Safety Services Department

NOTE: ABOVE A STORM DRAIN OR SEWER, OR WHERE COMPACTION REQUIREMENTS UNDER A WATERLINE CANNOT BE MET, BACKFILL TRENCH WITH CONTROL LOW STRENGTH MATERIAL (CLSM) TO THE SPRINGLINE OF THE WATERLINE. THIS REQUIREMENT IS FOR STRUCTURAL SUPPORT ONLY. ADDITIONAL HEALTH REQUIREMENTS MAY APPLY PER UDACS 2.19

NOTE: OR REPAIRS TO EXISTING FACILITIES ARE REQUIRED, THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE TO REMOVE FUGITIVE WATER WHICH MAY IMPEDE CONSTRUCTION AT ALL TIMES. COORDINATION WITH INSPECTION DIVISION MUST TAKE PLACE PRIOR TO ANY SHUTDOWN. CONTRACTOR TO INSTALL TEMPORARY SUPPORT TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPURTENANCES ARE AVAILABLE, THE COST OF WHICH IS INCIDENTAL TO THE WORK.

SERVICE LATERAL KEYNOTES
 1. INSTALL PVC C-900 WATER SERVICE LATERAL, CAP AND BLOWOFF ASSEMBLY PER UDACS PLATE #6B AND #4A.
 2. INSTALL 12"x8" TEE W/8" GATE VALVES AS SHOWN W/THRUST BLOCKS & ANCHOR BLOCKS PER UDACS PLATES 3# AND #5.



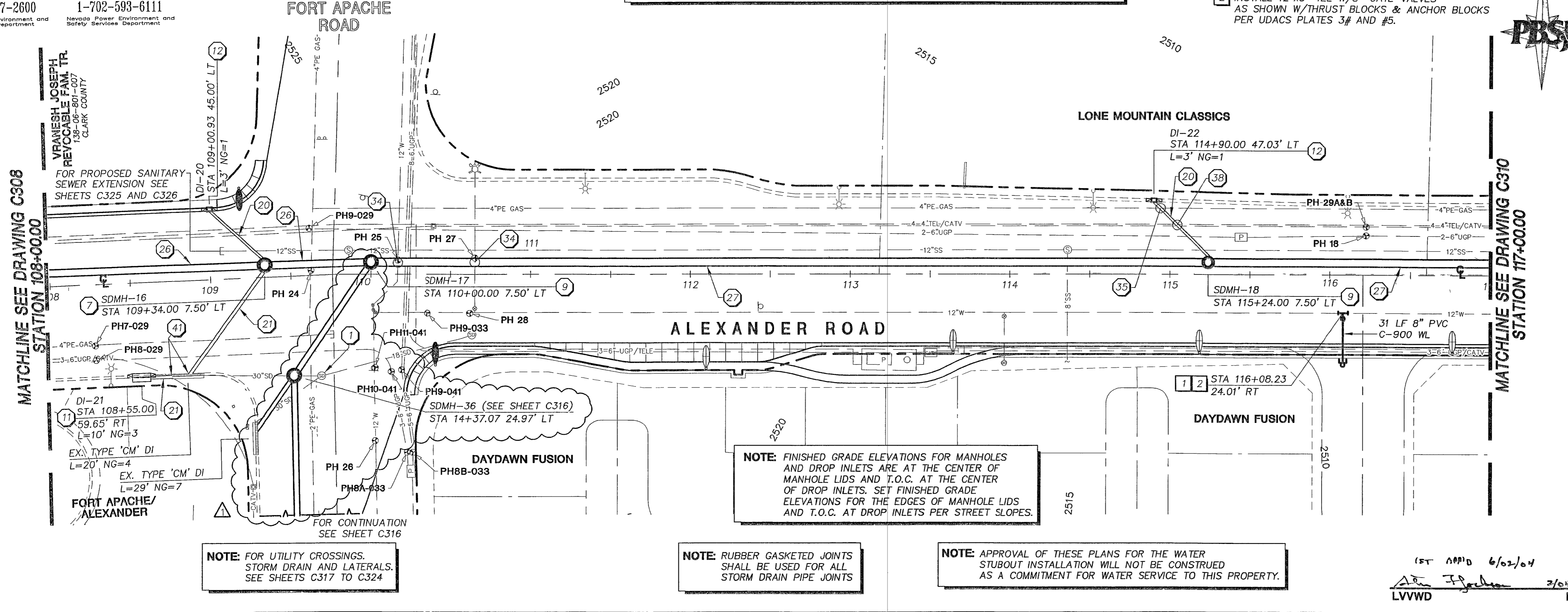
BASIS OF BEARING
 THE BASIS OF BEARINGS FOR THIS PROJECT IS GRID NORTH AS DEFINED BY THE NEVADA COORDINATE SYSTEM OF 1983 (NCS83), EAST ZONE, (2701), DETERMINED BY GCS CONTROL POINTS: "808" AND "877" AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE, IN FILE 88 OF SURVEYS, AT PAGE 53.

BENCHMARK
 CITY OF LAS VEGAS BENCHMARK NO. 9LV00 7N4 - RIVET AND PLATE IN TOP OF CURB SOUTHEAST CORNER OF ALEXANDER ROAD AND GRAND CANYON DRIVE.
 NAVD 1988 DATUM
 ELEVATION = 792.858 METERS
 2601.24 FEET

CAUTION:
 EXISTING UTILITIES ARE LOCATED ON THE PLANS FROM A SEARCH OF AVAILABLE RECORDS. CONTRACTOR TO VERIFY LOCATIONS AND DEPTHS PRIOR TO CONSTRUCTION.

KEY NOTES

1. REMOVE EXISTING MANHOLE.
2. REMOVE EXISTING DROP INLET/BEEHIVE INLET.
3. REMOVE EXISTING 36" STORM DRAIN PIPE.
4. REMOVE EXISTING 66" STORM DRAIN PIPE.
5. ABANDON IN PLACE EXISTING 18" STORM DRAIN PIPE.
6. INSTALL TYPE I MANHOLE PER STD. DWG. #403.
7. INSTALL TYPE II MANHOLE PER STD. DWG. #405.
8. INSTALL TYPE III MANHOLE PER STD. DWG. #406.
9. INSTALL JUNCTION MANHOLE TYPE 1 PER DETAIL 'A', DWG. C327.
10. INSTALL PRECAST TEE W/48" RISER PER DETAIL 'B', DWG. C331 (W/30" MIN. ACCESS).
11. INSTALL TYPE 'CM' DROP INLET PER DETAIL 'A', DWG. C329.
12. INSTALL TYPE 'E' DROP INLET PER DETAIL 'A', DWG. C328.
13. INSTALL TYPE 'F' DROP INLET PER DETAIL 'A', DWG. C328.
14. INSTALL NDOT TYPE 3 DROP INLET WITH BACK WALL OPENING PER DETAIL 'D' AND DETAIL 'E', DWG. C332.
15. INSTALL SWALE INLET PER DETAIL 'B', DWG. C329.
16. CONSTRUCT NDOT TYPE II HEADWALL PER NDOT STANDARD PLAN SHEET B-20.1.4.
17. INSTALL AWWA 8" C900 DRAINLINE.
18. INSTALL AWWA 12" C900 DRAINLINE.
19. INSTALL 12" RCP SD PER TRENCH DETAIL 'B', DWG. C330.
20. INSTALL 18" RCP SD PER TRENCH DETAIL 'B', DWG. C330.
21. INSTALL 24" RCP SD PER TRENCH DETAIL 'B', DWG. C330.
22. INSTALL 30" RCP SD PER TRENCH DETAIL 'B', DWG. C330.
23. INSTALL 36" RCP SD PER TRENCH DETAIL 'B', DWG. C330.
24. INSTALL 42" RCP SD PER TRENCH DETAIL 'B', DWG. C330.
25. INSTALL 48" RCP SD PER TRENCH DETAIL 'B', DWG. C330.
26. INSTALL 54" RCP SD PER TRENCH DETAIL 'B', DWG. C330.
27. INSTALL 60" RCP SD PER TRENCH DETAIL 'B', DWG. C330.
28. INSTALL 66" RCP SD PER TRENCH DETAIL 'B', DWG. C330.
29. INSTALL 72" RCP SD PER TRENCH DETAIL 'B', DWG. C330.
30. INSTALL 78" RCP SD PER TRENCH DETAIL 'B', DWG. C330.
31. INSTALL 34"x53" HE RCP SD PER TRENCH DETAIL 'B', DWG. C330.
32. INSTALL 3' HIGH x 6' WIDE RCB SD PER TRENCH DETAIL 'B', DWG. C330.
33. INSTALL 5' HIGH x 6' WIDE RCB SD PER TRENCH DETAIL 'B', DWG. C330.
34. RELOCATE EXISTING WATERLINE PER DETAIL 'E', DWG. C330.
35. RELOCATE EXISTING GAS (BY OTHERS).
36. RELOCATE EXISTING UNDERGROUND POWER (BY NEVADA POWER COMPANY).
37. RELOCATE EXISTING UNDERGROUND TELEPHONE (BY SPRINT TELEPHONE COMPANY).
38. RELOCATE EXISTING UNDERGROUND CATV (BY COX COMMUNICATIONS LAS VEGAS, INC.).
39. CONCRETE ENCASUREMENT PER DETAIL 'A', DWG. C330.
40. PERMANENT ASPHALT PATCH PER DETAIL 'B', DWG. C330.
41. PIPE PENETRATION PER DETAIL 'A' DWG. C332.

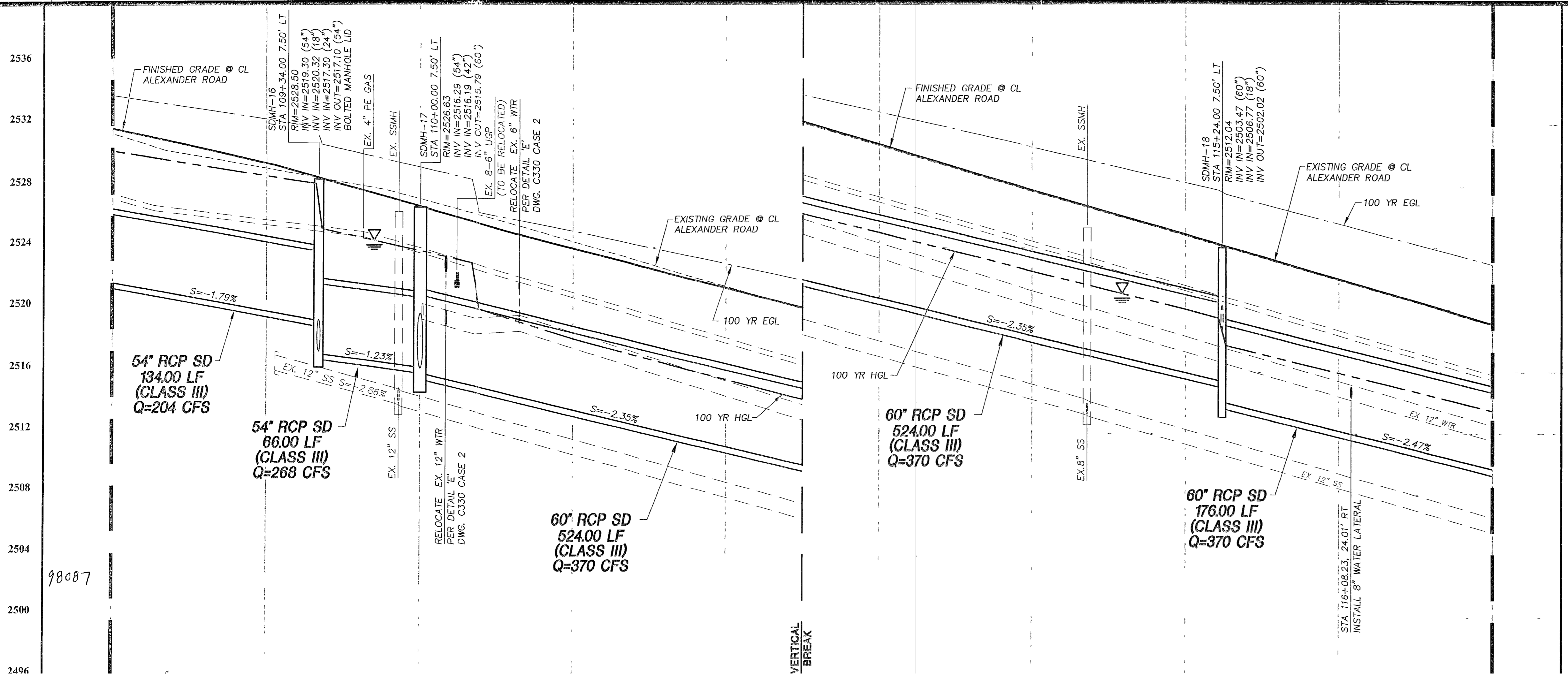


NOTE: FOR UTILITY CROSSINGS, STORM DRAIN AND LATERALS, SEE SHEETS C317 TO C324.

NOTE: RUBBER GASKETED JOINTS SHALL BE USED FOR ALL STORM DRAIN PIPE JOINTS.

NOTE: APPROVAL OF THESE PLANS FOR THE WATER STUBOUT INSTALLATION WILL NOT BE CONSTRUED AS A COMMITMENT FOR WATER SERVICE TO THIS PROPERTY.

DATE: 6/02/04
 LVVWD



DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DESIGN SECTION
 CITY ENGINEER: CHARLES KALKOWSKI, JR., P.E.
 CITY PROJECT ENGINEER: MARVIN STINE, P.E.
 PROJECT MANAGER: ALI ZENHARI, P.E.
 DESIGN BY: WHO
 DRAWN BY: LSB/WHJ
 CHECK BY: LSB
 DATE: FEB. 11, 2004

ALEXANDER ROAD/HUALAPAI WAY
 ROAD IMPROVEMENTS PROJECT
 CHEYENNE AVENUE TO DURANGO DRIVE
 ALEXANDER ROAD STORM DRAIN
 AND PROFILE AND WATER LATERAL
 PLAN AND PROFILE AND WATER LATERAL
 STA 108+00.00 TO STA 117+00.00

98087
 SHEET: C309
 62 of 124