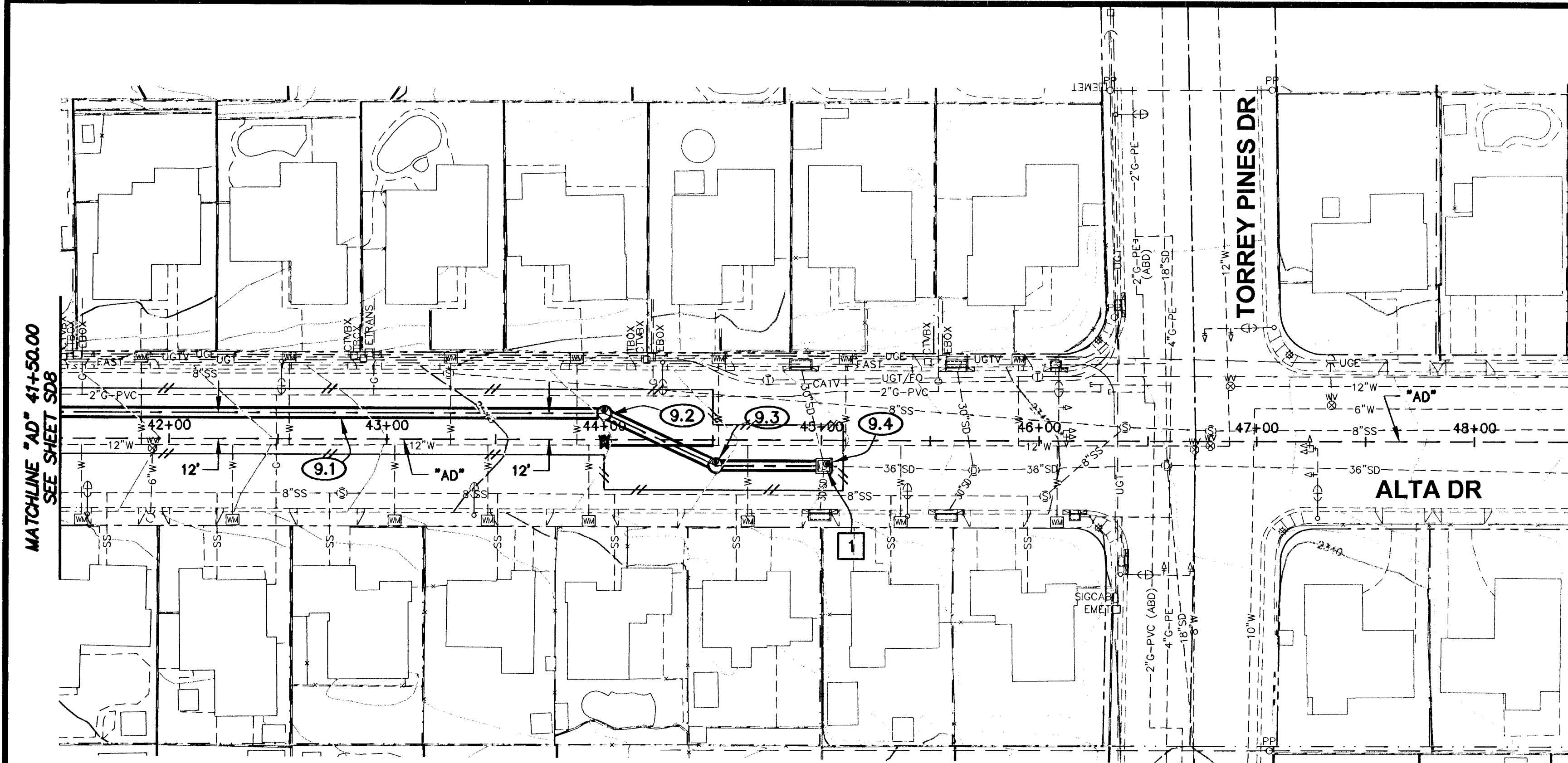
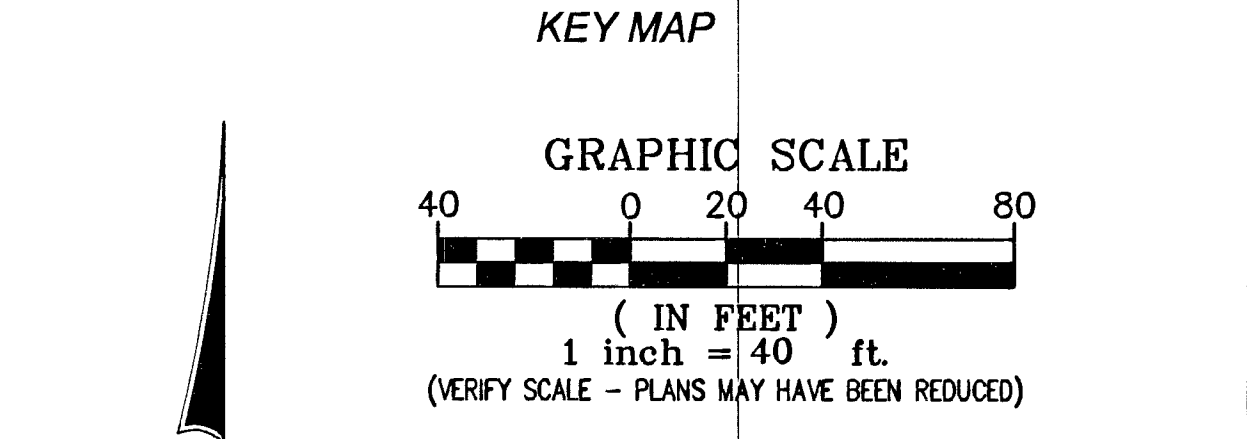
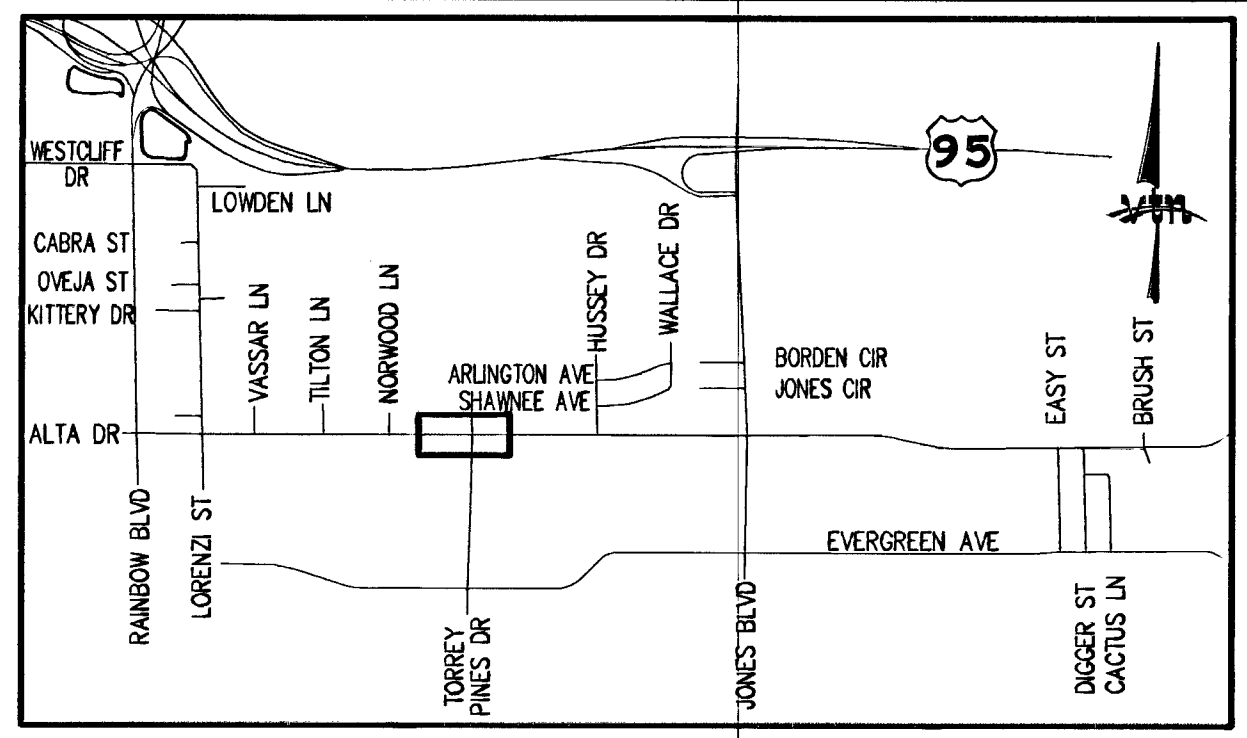




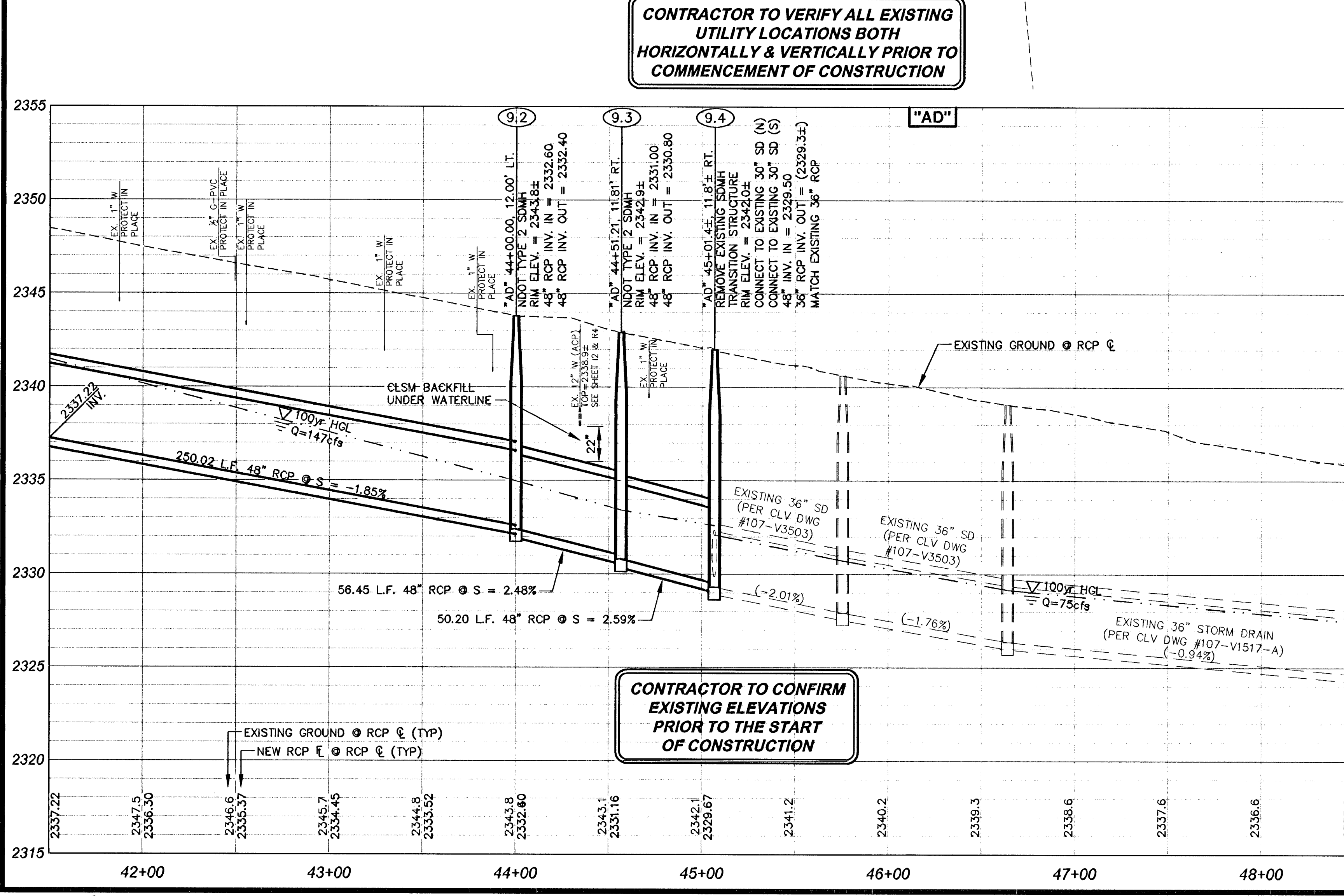
- ### LVVWD NOTES
- LVVWD PROJECT NO. 114809
1. ALL WATER SERVICES TO BE PROTECTED IN PLACE. IN THE EVENT A SERVICE IS DAMAGED REFER TO NOTE 2 FOR RECONNECTING. ALL SERVICES SHALL HAVE 18" CLEARANCE FROM TOP OF STORM DRAIN WHILE MAINTAINING EXISTING COVER (30" MIN). ANY EXCEPTIONS WILL REQUIRE THE SERVICE 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.
 2. ALL SERVICE LATERALS TWO (2) INCHES AND SMALLER THAT ARE OUT OR DAMAGED MAY BE RECONNECTED PROVIDED THE FOLLOWING CRITERIA ARE MET:
 - 2.1. IF THE LATERAL IS COPPER, THE LATERAL MAY BE CUT AND SPLICED NOT MORE THAN ONCE IN A MANNER APPROVED BY THE DISTRICT.
 - 2.2. 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 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. 18 OR 10.
 3. 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 I / 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 219.
 4. 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.
 5. DISPOSAL OF ASBESTOS CEMENT PIPE SHALL BE IN ACCORDANCE WITH AWWA, LOCAL, STATE, AND FEDERAL REGULATIONS.

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.



- ### CONSTRUCTION NOTES
- 9.1 "AD" 41+50.00, 12.00' LT. TO "AD" 44+00.00, 12.00' LT. INSTALL 250.00 L.F. 48" RCP
 - 9.2 "AD" 44+00.00, 12.00' LT. CONSTRUCT NDOT TYPE 2 MANHOLE (PER NDOT STD. DWG. NO. R-4.3.1) INSTALL BOLTED/SLOTTED LID SIMILAR TO ALHAMBRA FOUNDRY A-1252 OR EQUAL WITH REINFORCED MANHOLE COLLAR PER DETAILS ON SHEET S13 INSTALL 56.45 L.F. 48" RCP
 - 9.3 "AD" 44+51.21, 11.81' RT. CONSTRUCT NDOT TYPE 2 MANHOLE (PER NDOT STD. DWG. NO. R-4.3.1) INSTALL BOLTED/SLOTTED LID SIMILAR TO ALHAMBRA FOUNDRY A-1252 OR EQUAL WITH REINFORCED MANHOLE COLLAR PER DETAILS ON SHEET S13 INSTALL 50.20 L.F. 48" RCP
 - 9.4 "AD" 45+01.4±, 11.8± RT. REMOVE EXISTING MANHOLE CONSTRUCT JUNCTION STRUCTURE INSTALL BOLTED/SLOTTED LID SIMILAR TO ALHAMBRA FOUNDRY A-1252 OR EQUAL WITH REINFORCED MANHOLE COLLAR PER DETAILS ON SHEETS S13 & S15 CONNECT EXISTING 30" RCP'S (N & S) TO JUNCTION STRUCTURE CONNECT EXISTING 36" RCP (E) TO JUNCTION STRUCTURE

- ### REMOVAL NOTES
- 1 REMOVE EXISTING MANHOLE
- ### SHEET NOTES
1. REFER TO SHEETS R1 TO R8 FOR ROADWAY & UTILITY PLANS.
 2. ALL PIPE SHALL BE CLASS III STORM DRAIN UNLESS NOTED OTHERWISE.



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

CONTRACTOR TO CONFIRM EXISTING ELEVATIONS PRIOR TO THE START OF CONSTRUCTION

APPROVED

[Signature] 11/2/08
Date

Las Vegas Valley Water District
Project #114809

Call before you Dig

Avoid cutting underground utility lines. It's costly.

Call 811

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OR
1-702-455-7544

NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Professional Engineer - State of Nevada

JEFFREY N. GRIEST
No. 17158
Civil
11/2/08

SHEET
SD9
21 OF 120 SHEETS
DRAWING NO.
327V281

DEPARTMENT OF PUBLIC WORKS				2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148 PH. (702) 873-7550 FAX (702) 873-7550 WEB SITE: WWW.LVVWD.COM			
STORM DRAIN PLAN & PROFILE				MEADOWS ALTA PARALLEL PROJECT			
"AD" 41+50.00 TO "AD" 48+50.00				PHASE II			
DRAWN BY:	NOV. 10, 2008	DESIGNED BY:	NOV. 10, 2008	CHECKED BY:	NOV. 10, 2008	PROJECT NO.:	SCALE: HORIZ. 1"=40'
WBM		VIN		ANG		6812	VERT. 1"=4'
H#11645				11/2/08			