

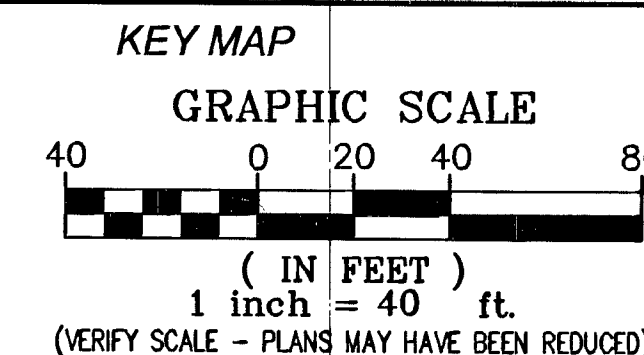
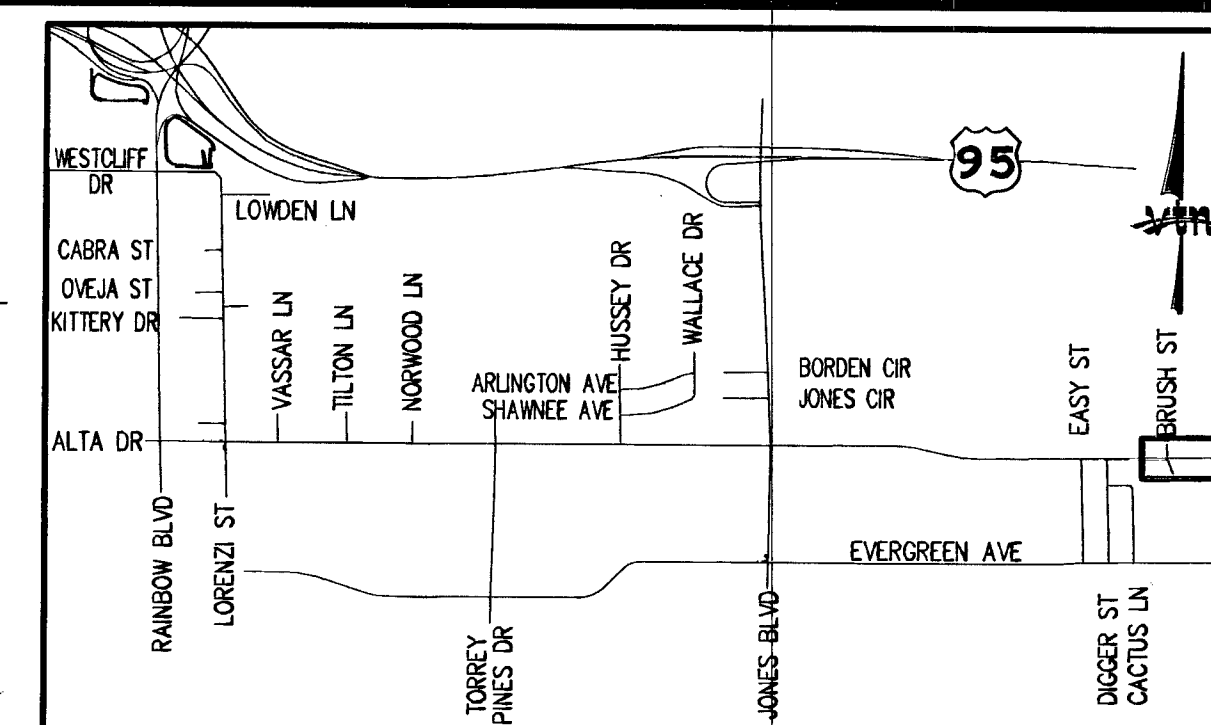
1. ALL WATER SERVICES TO BE PROTECTED IN PLACE. IN THE EVENT A SERVICE IS DAMAGED REFER TO NOTE 2 FOR RECONNECTING. ALL SERVICES SHALL HAVE 18" CLEARANCE FROM TOP OF STORM DRAIN WHILE MAINTAINING EXISTING COVER (30" MIN.). ANY EXCEPTIONS WILL REQUIRE THE SERVICE BE PLACED IN A 2" SCH 40 PVC SLEEVE WITH A MINIMUM COVER OF 12" COVER. ANY SERVICES PLACED IN A PVC SLEEVE MUST BE UNDAMAGED CORP INSTALLED PER NOTE 2.
2. ALL SERVICE LATERALS TWO (2) INCHES AND SMALLER THAT ARE CUT OR DAMAGED MAY BE RECONNECTED PROVIDED THE EXISTING LATERAL IS UNDISTURBED.
- 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, THE CORPORATION STOP SHALL BE REPAIRED BY THE CORPORATION. THE CORPORATION STOP SHALL BE INSTALLED AT THE CORPORATION'S EXPENSE, IN A MANNER APPROVED BY THE LVVWD. IF THE CORPORATION STOP IS NOT WATER TIGHT

THE CONTRACTOR SHALL NOTIFY LVNDD 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 UOACS PLATE NO. 1B OR 1D.

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 1 / CLASS II CONTROLLED LOW STRENGTH MATERIAL (CLSM) WITH 50% SAND TO THE SPRINGLINE OF THE WATERLINE. THIS REQUIREMENT IS FOR STRUCTURAL SUPPORT ONLY. ADDITIONAL HEALTH REGULATIONS MAY APPLY PER UOACS 2.19

CONTRACTOR MUST SUBMIT SHOP DRAWINGS TO LVNDD 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.



(15.1) "AD" 111+00.00, 21.00' RT. TO
"AD" 113+10.41, 21.00' T.
INSTALL 210.41 L.F. 72" RCP

(15.2) "AD" 113+10.41, 21.00' RT.
CONSTRUCT NDOT TYPE 4 MANHOLE
(PER NDOT STD. DWG. NO. R-4.3.2)
CONNECT EXISTING 24" RCP TO MANHOLE
INSTALL 46.48 L.F. 72" RCP

(15.3) "AD" 113+56.89, 21.00' RT.
CONSTRUCT NDOT TYPE 4 MANHOLE
(PER NDOT STD. DWG. NO. R-4.3.2)
CONNECT TO 42" RCP FROM BRUSH
STREET STORM DRAIN PROJECT
CLV DWG NO 327V276 SHEET SH#3
INSTALL 286.88 L.F. 72" RCP

(15.4) "AD" 116+43.75, 21.00' RT.
CONSTRUCT NDOT TYPE 4 MANHOLE
(PER NDOT STD. DWG. NO. R-4.3.2)
CONNECT TO EXISTING 24" RCP
INSTALL 133.40 L.F. 72" RCP

(15.5) "AD" 117+77.15, 21.00' RT.
CONSTRUCT NDOT TYPE 4 MODIFIED MANHOLE
(PER NDOT STD. DWG. NO. R-4.3.2)
CONNECT EXISTING 24" RCP TO MANHOLE
INSTALL 117.25 L.F. 72" RCP

(15.6) "AD" 118+94.34, 21.00' RT.
CONSTRUCT NDOT TYPE 4 MODIFIED MANHOLE
(PER NDOT STD. DWG. NO. R-4.3.2)
CONNECT EXISTING 24" RCP TO MANHOLE
INSTALL 91.54 L.F. 72" RCP

(15.7) "AD" 119+82.00, 25.34' RT.
CONSTRUCT NDOT TYPE 4 MODIFIED MANHOLE
(PER NDOT STD. DWG. NO. R-4.3.2)
INSTALL BOLTED/SLOTTED LID SIMILAR TO
ALHAMBRA FOUNDRY A-1252 OR EQUAL
WITH REINFORCED MANHOLE COLLAR PER
DETAILS ON SHEET S13
INSTALL 37.00 L.F. 72" RCP

(15.8) "AD" 120+16.22, 24.0' RT.
CONSTRUCT NDOT TYPE 4 MODIFIED MANHOLE
(PER NDOT STD. DWG. NO. R-4.3.2)
INSTALL BOLTED/SLOTTED LID SIMILAR TO
ALHAMBRA FOUNDRY A-1252 OR EQUAL
WITH REINFORCED MANHOLE COLLAR PER
DETAILS ON SHEET S13
CONNECT TO EXISTING 60" RCP

STORM DRAIN PLAN & PROFILE ALTA DRIVE "AD" 110+00.00 TO "AD" 119+50.00	 DEPARTMENT OF PUBLIC WORKS 303 E. STEWART AVE. LAS VEGAS, NV 89101 702-228-6272
MEADOWS ALTA PARALLEL PROJECT PHASE II	 2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148 TEL. (702) 362-2597 FAX (702) 362-2597

PROFESSIONAL SEAL: I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK.

JEFFREY N. GRIEST
EXP. 09-30-09
CIVIL
No. 17650

1/14/10

SHEET
SD15
27 OF 170 SHEETS

ISSUING FIRM
3272781

DRAWN BY: _____ NOV. 10, 2008
MEMO

DESIGNED BY: _____ NOV. 10, 2008
VIN

CHECKED BY: _____ NOV. 10, 2008
SAG

PROJECT NO: _____ SCALE: 1"=40'
HORIZ.

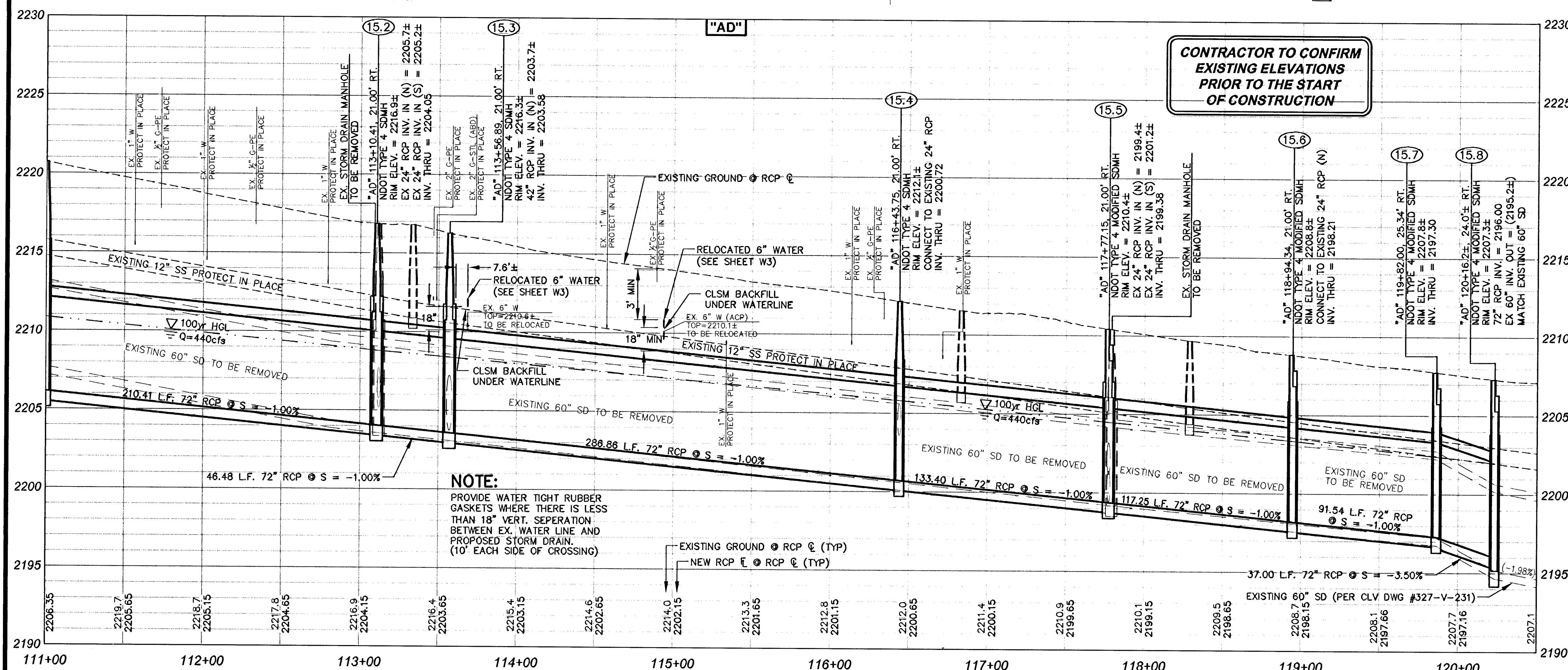
6812

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 THE ±0.00 VERTICAL TOLERANCE. TO THE FINISHED GRADE, THE
CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE 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**

1. REFER TO SHEETS R1 TO R8 FOR ROADWAY & UTILITY PLANS.
2. REFER TO SHEET D2 FOR TRAFFIC SIGNAL CONDUIT INSTALLATION AT THE INTERSECTION OF ALTA DR AND JAMES H DOWN TOWERS.
3. ALL PIPE SHALL BE CLASS III STORM DRAIN UNLESS NOTED OTHERWISE.

1	REMOVE 212 L.F.± EXISTING 60" RCP
2	REMOVE EXISTING MANHOLE
3	REMOVE 46 L.F.± EXISTING 60" RCP
4	REMOVE EXISTING MANHOLE
5	REMOVE 422 L.F.± EXISTING 60" RCP
6	REMOVE EXISTING MANHOLE
7	REMOVE 244 L.F.± EXISTING 60" RCP



**CONTRACTOR TO CONFIRM
EXISTING ELEVATIONS
PRIOR TO THE START
OF CONSTRUCTION**

NOTE:
PROVIDE WATER TIGHT RUBBER GASKETS WHERE THERE IS LESS THAN 18" VERT. SEPERATION BETWEEN EX. WATER LINE AND PROPOSED STORM DRAIN.
(10' EACH SIDE OF CROSSING)

APPROVED

[Signature] 11-12-08

Las Vegas Valley Water District Date

Project #114809

**AVOID OVERHEAD POWER LINE CONTACT
IT'S COSTLY**

**Call
before you
Overhead**

1-702-227-2929

NEVADA POWER ENVIRONMENT AND
SAFETY SERVICES DEPARTMENT

Call before you Dig
Avoid cutting underground
utility lines. It's costly.

**Call
811**

OR

1-800-227-2600

CLAY COUNTY POWER DIVISION
1-702-458-7544

PROFESSIONAL ENGINEER-STATE OF NEVADA
JEFFREY N. GRIEST
EXP. 08-30-08
CIVIL
No. 17150

SHEET
SD15
4 OF 120 SHEETS
DRAWING NO.
327V281

H#11548