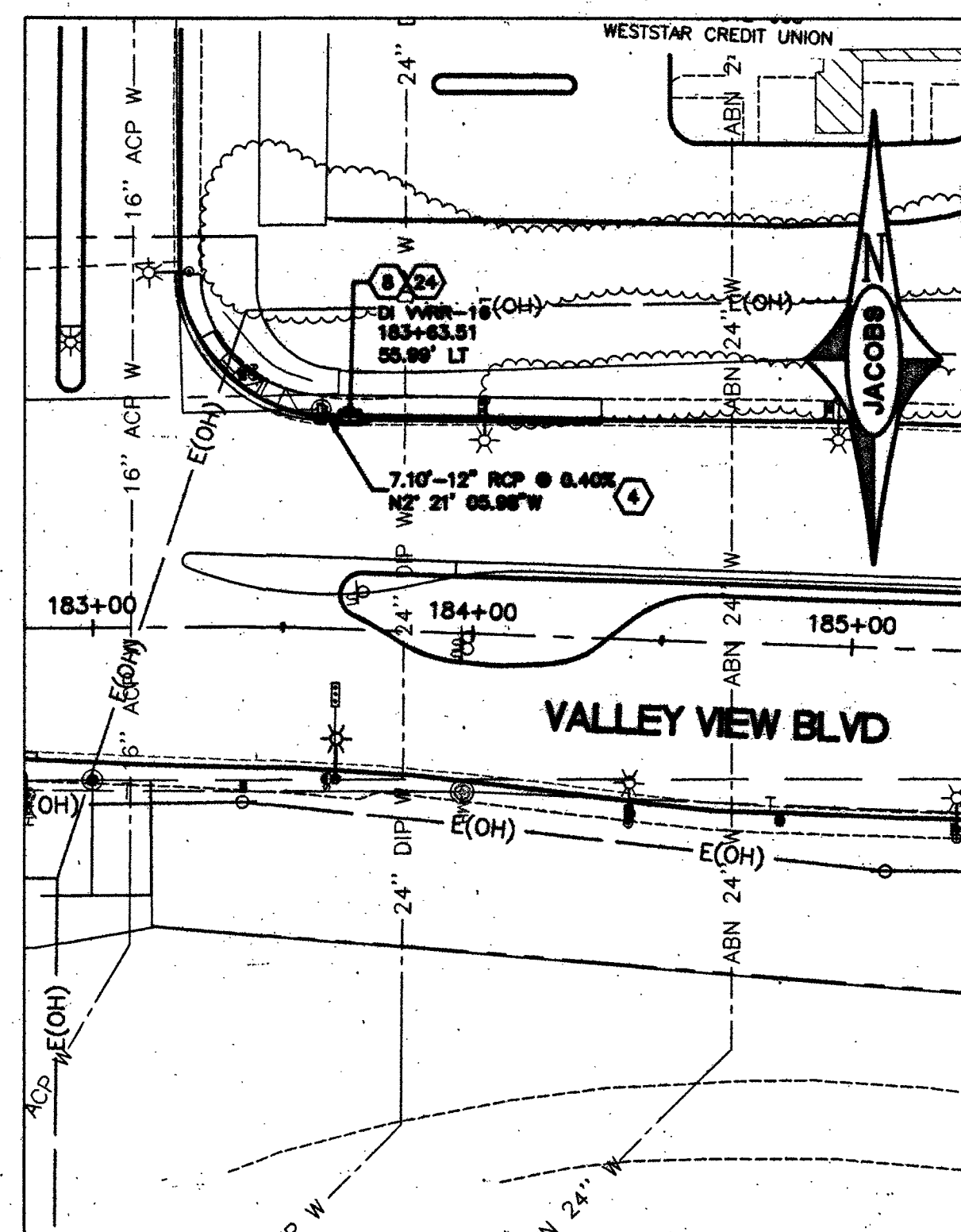
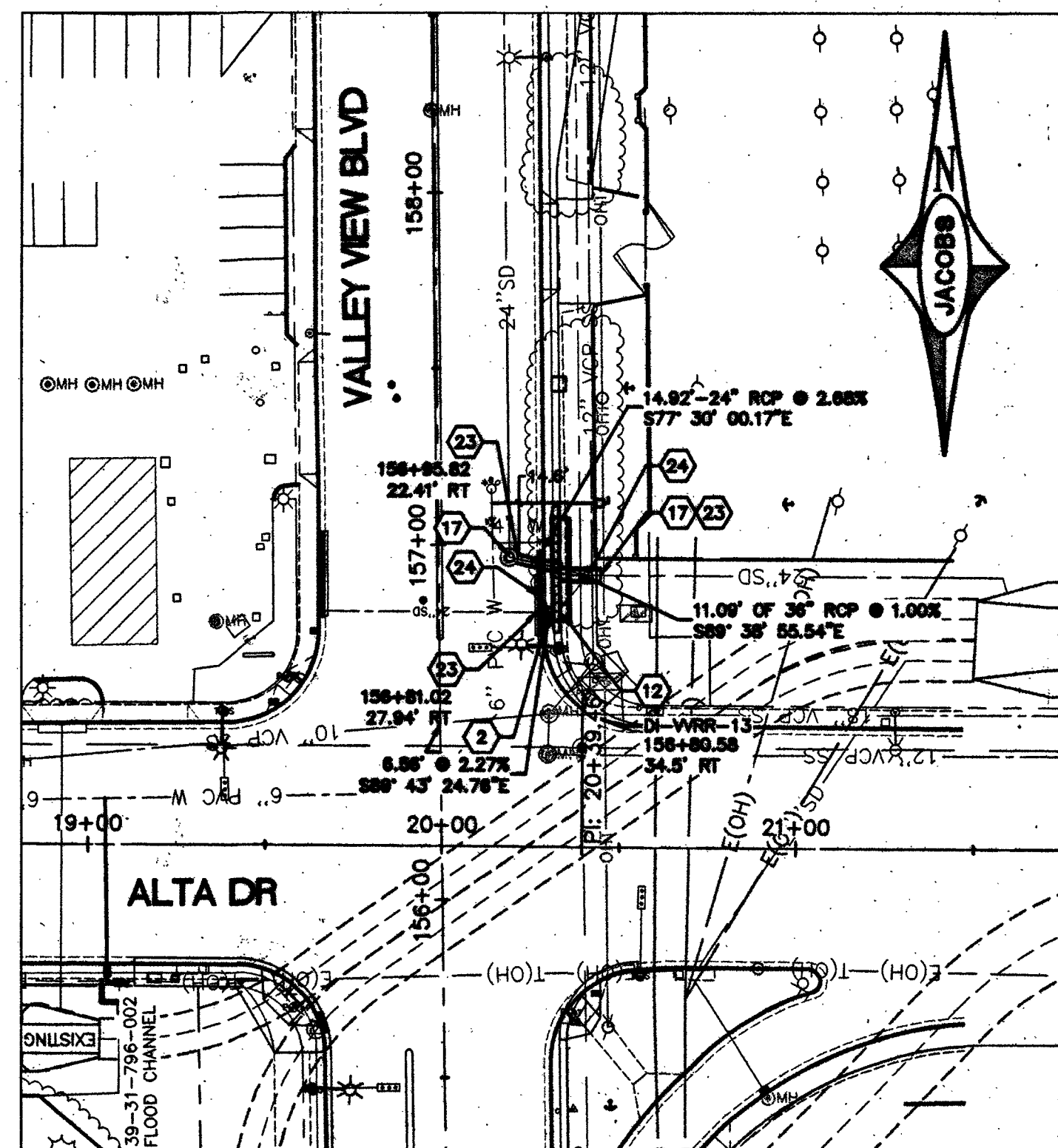
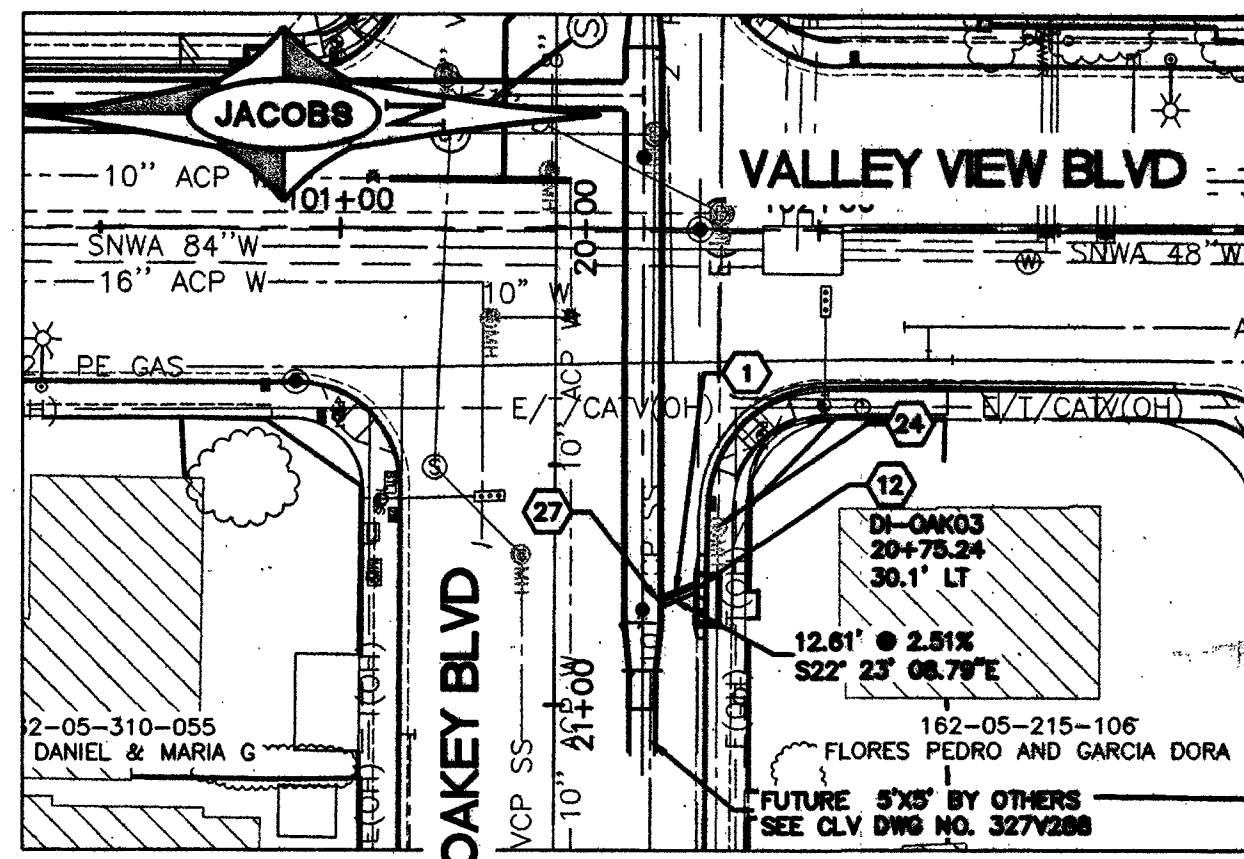




#### GENERAL NOTES:

1. FOR INFORMATION USED ON STRUCTURE DESIGN SEE STORM DRAIN DESIGN MATRIX'S ON SHEET SD-18.
2. ALL INLETS TO HAVE CONCRETE STAMP PER USDOCC DWG NO. 421.
3. PROTECT SNWA FACILITIES IN PLACE. SEE SHEET UT-12 FOR LOCATIONS.
4. FOR REINSTATEMENT OF WATER SERVICE LATERALS, SEE UT SHEETS. FOR REINSTATEMENT OF SEWER LATERALS, SEE SS SHEETS.

#### APPROVED FOR CONSTRUCTION

*10/3/11*  
SOUTHERN NEVADA WATER AUTHORITY DATE  
SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM THE SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.

#### SNWA CONSTRUCTION NOTE

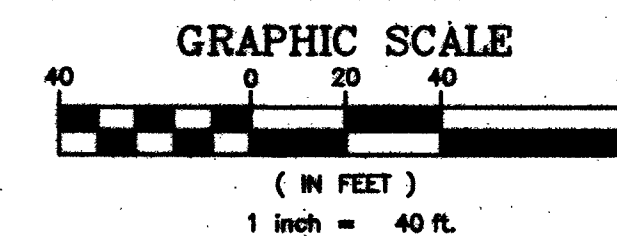
CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING, BUT NOT LIMITED TO AV/AR, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTOR'S EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS, AND AV/AR'S MUST BE RELOCATED TO THE SIDEWALK PER SNWA STANDARDS AND AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY DEVELOPMENT PLAN REVIEW AT 702-862-3444 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

#### SNWA NOTE:

1. IF EXPOSED, CONTRACTOR TO PAY FOR AND REPLACE SNWA CATHODIC PROTECTION TEST STATION GROUND MATS, MAGNESIUM RIBBONS, OR ZINC RIBBONS WITH NEW GROUND MATS, MAGNESIUM RIBBONS, OR ZINC RIBBONS.
2. RELOCATION OF EXISTING SNWA TEST STATIONS MUST BE DONE IN ACCORDANCE WITH SNWA STANDARD PLATES FOR CATHODIC PROTECTION.

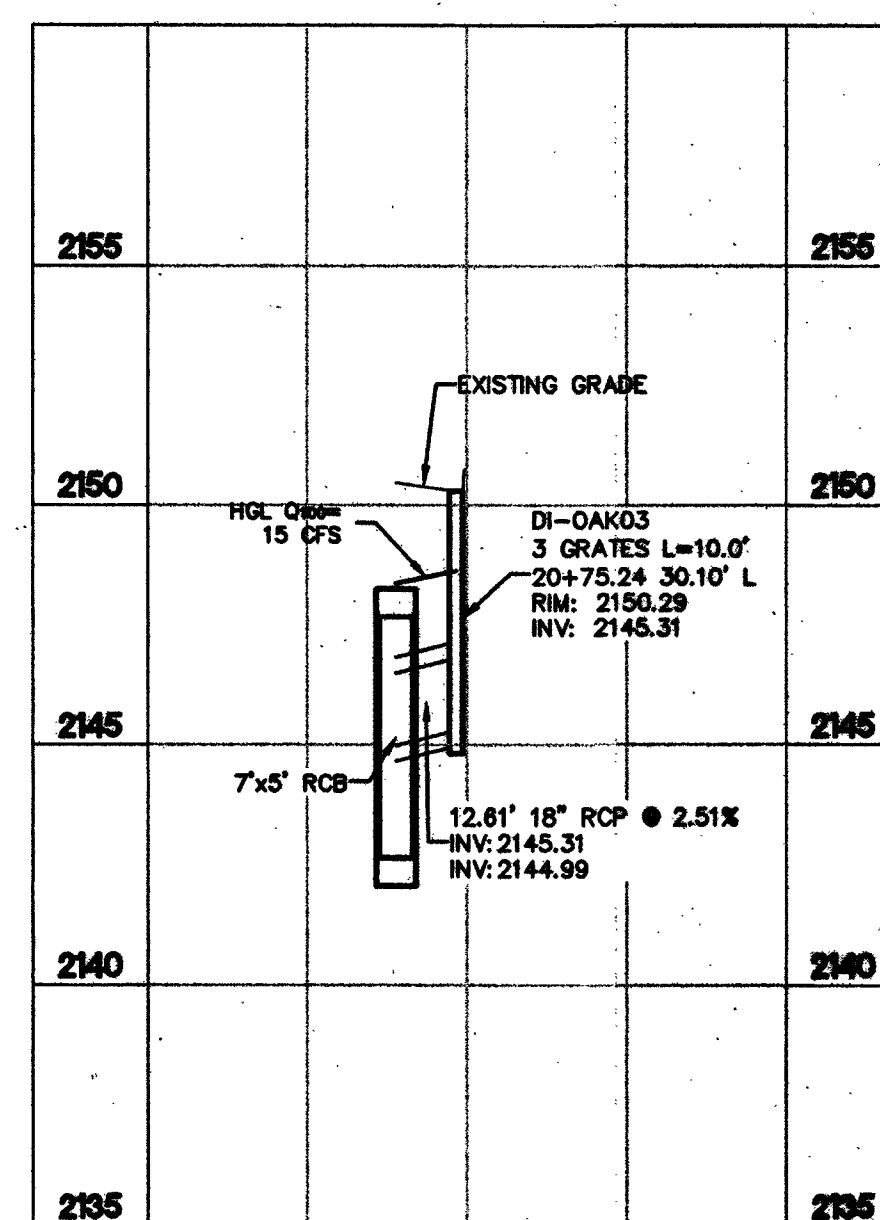
#### SNWA CAUTION:

1. SNWA TEST LEADS ARE SHALLOW
2. SNWA FIBER OPTIC CONDUIT RUNS ALONG THE WEST SIDE OF THE SNWA PIPELINE-ALONG VALLEY VIEW BLVD AND ALONG THE NORTH SIDE OF THE SNWA PIPELINE ALONG OAKLEY BLVD

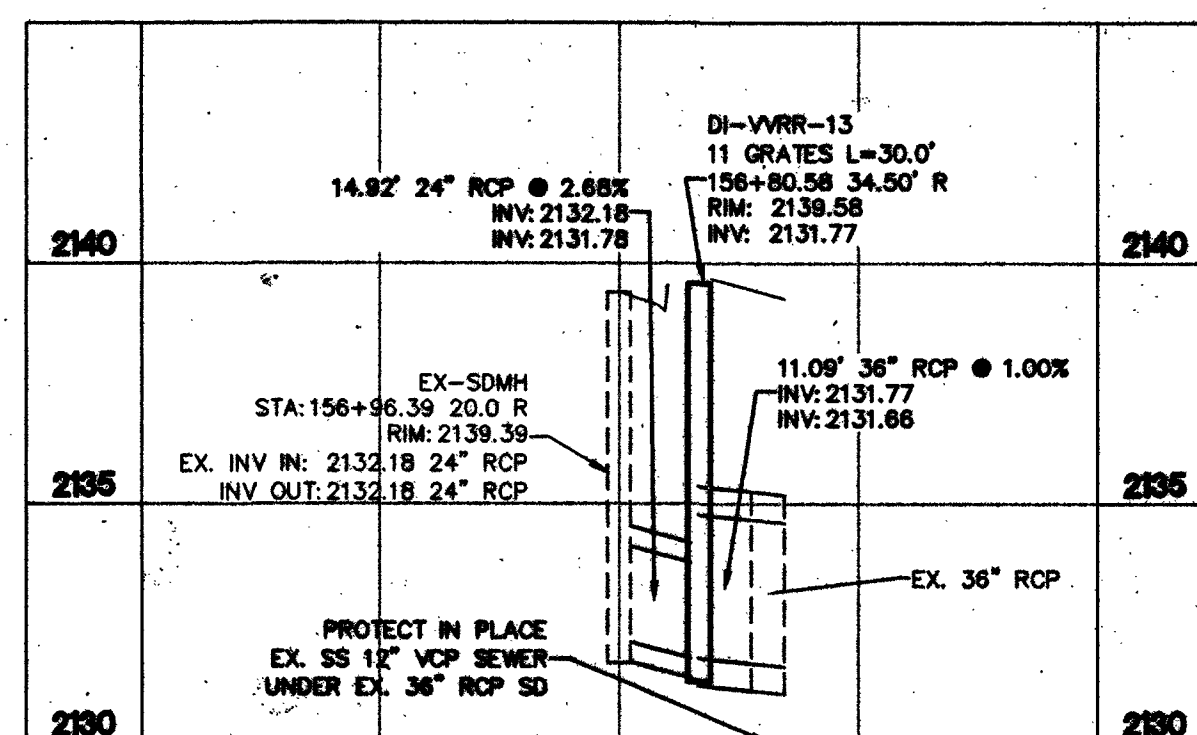


#### LEGEND

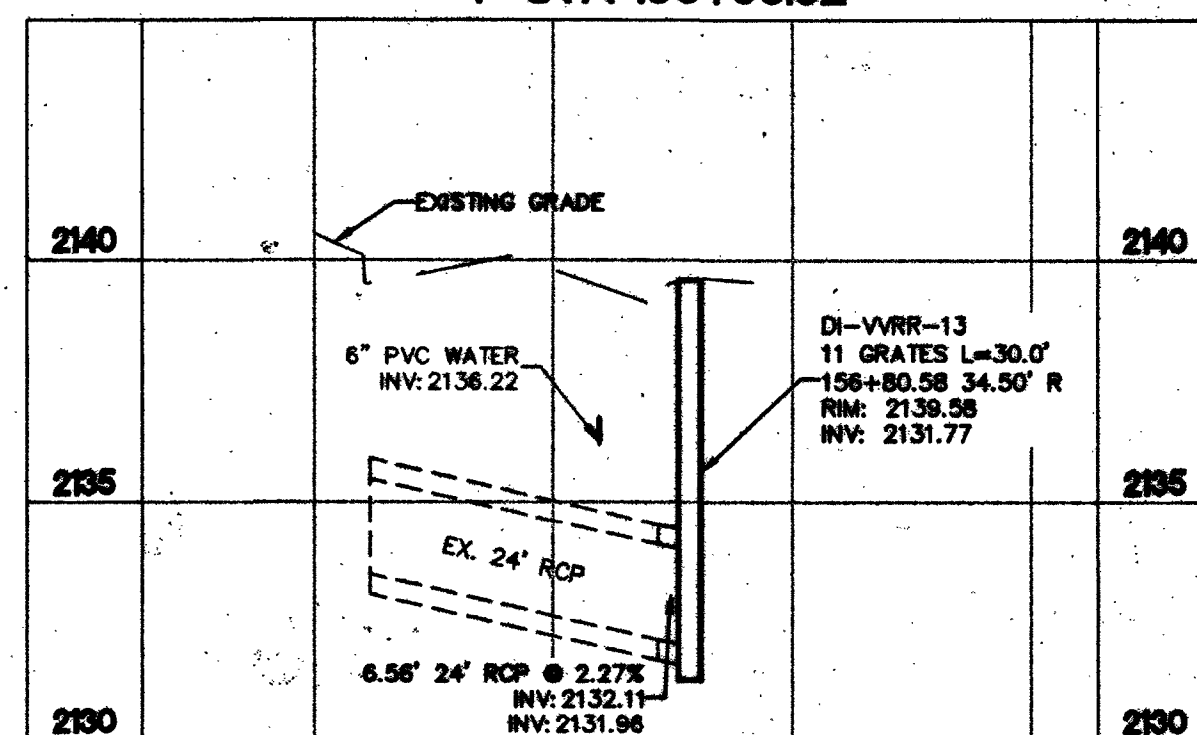
TOTALLY ENCASE PROP. RCP S.D. W/MIN. 4" CLASS II CLSM 10' EACH SIDE OF CROSSING SEE UDACS SECTION 2.22.02 B.3.C



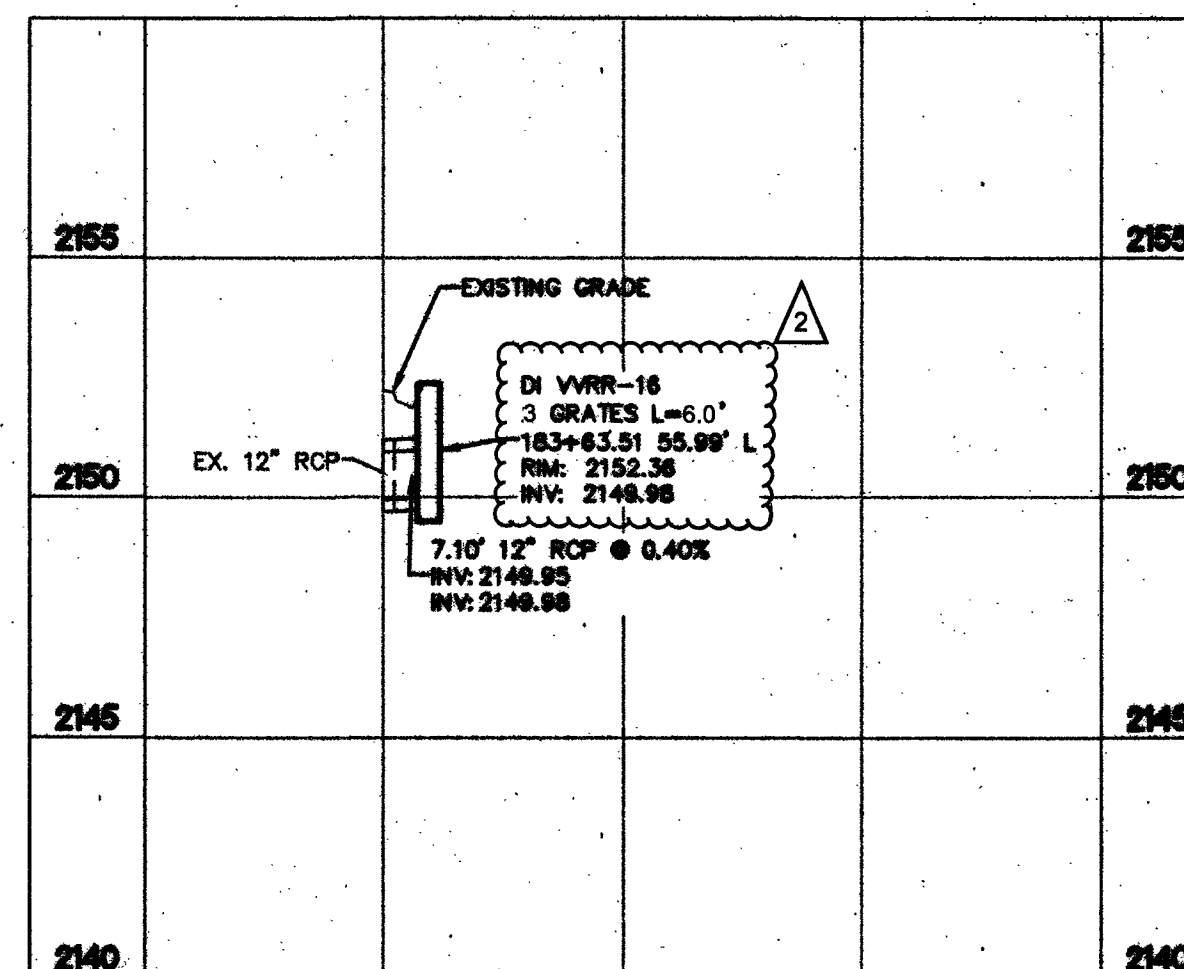
LAT-18  
"O" STA 20+75.24  
SCALE  
HORIZONTAL: 1"=40'  
VERTICAL: 1"=4'



"V" STA 156+95.82



LAT-19  
"V" STA 156+81.02  
SCALE  
HORIZONTAL: 1"=40'  
VERTICAL: 1"=4'



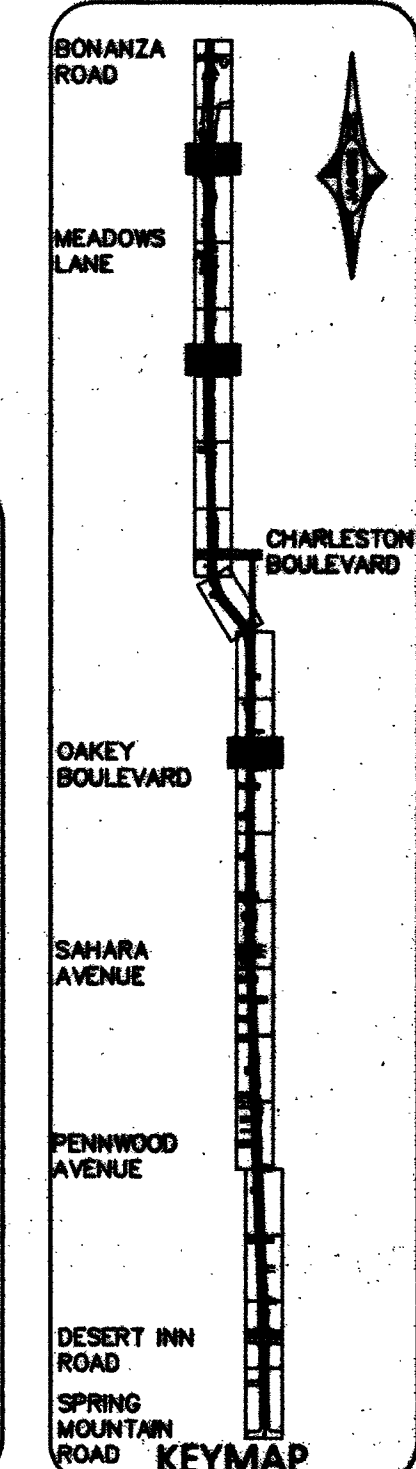
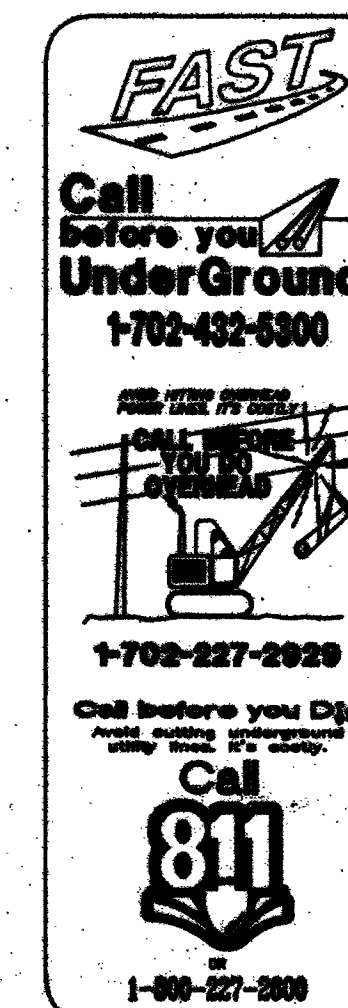
LAT-21  
"V" STA 183+63.51  
SCALE  
HORIZONTAL: 1"=40'  
VERTICAL: 1"=4'

#### STORM DRAIN NOTES

1. CONSTRUCT 18" RCP. SEE TRENCH DETAIL SHEET SD-19.
2. CONSTRUCT 24" RCP. SEE TRENCH DETAIL SHEET SD-19.
3. CONSTRUCT 30" RCP. SEE TRENCH DETAIL SHEET SD-19.
4. CONSTRUCT 12" RCP. SEE TRENCH DETAIL SHEET SD-19.
5. CONSTRUCT 42" RCP. SEE TRENCH DETAIL SHEET SD-19.
6. CONSTRUCT 30"x19" RCEP. SEE TRENCH DETAIL SHEET SD-19.
7. CONSTRUCT 7"x5" RCB. SEE TRENCH DETAIL SHEET SD-19.
8. CONSTRUCT TYPE C-D MODIFIED DROP INLET PER USD. NO. 412A FOR NARROW GRATES PER DETAIL ON SHEET SD-12.
9. INSTALL "T" STRUCTURE PER PIPE SIZES. PER DETAIL ON SHEET SD-15.
10. CONSTRUCT 5'x4' RCB. SEE TRENCH DETAIL SHEET SD-19.
11. CONSTRUCT 36" x 36" DROP INLET WITH TRENCH DRAIN PER DETAIL ON SHEET SD-13.
12. CONSTRUCT TYPE C - D MODIFIED DROP INLET PER USD. NO. 412A. PER DETAIL ON SHEET SD-11.
13. CONSTRUCT DRAINAGE TRENCH DRAIN WITH H-20 RATED TRAFFIC GRATE. PER DETAIL ON SHEET SD-16.
14. CONSTRUCT 24" x 36" DROP INLET PER DETAIL ON SHEET SD-12.
15. CONSTRUCT 36" x 36" DROP INLET WITH TRENCH DRAIN PER DETAIL ON SHEET SD-14.
16. CONSTRUCT WATER QUALITY PIPE W/ ELASTOMERIC SEALANT.
17. PROTECT IN PLACE
18. CONSTRUCT ACCESS MANHOLE SEE DETAIL ON SHEET SD-17.
19. CONSTRUCT TRANSITION STRUCTURE.
20. CONSTRUCT 5'x5' RCB SEE TRENCH DETAIL SD-19.
21. CONSTRUCT NDOT TYPE I & II MODIFIED MANHOLE PER NDOT NO. R-4.3.1 SEE DETAILS ON SHEET SD-15.
22. CONSTRUCT 14"x23" RCEP. SEE TRENCH DETAIL SHEET SD-19.
23. CUT EXISTING STORM DRAIN PIPE-CONNECT TO EXISTING PER DETAIL SHEET SD-18.
24. REMOVE PIPE, MANHOLE OR INLET.
25. CONSTRUCT 24"x38" RCEP. SEE TRENCH DETAIL SHEET SD-19.
26. PROVIDE RCB END CAP PER BOX SIZE.
27. TIE-IN STORM LATERAL PER DETAIL ON SHEET SD-12.

#### APPROVED FOR CONSTRUCTION

*10/2/11*  
LWWD ENGINEERING SERVICES MANAGER DATE  
PROJECT NO. 116494



DEPARTMENT OF PUBLIC WORKS  
CAPITAL PROJECT MANAGEMENT  
CITY ENGINEER: DAVID BOWERS, PE, PUC  
PROGRAM MANAGER: JEREMY LEVITT, PE  
DESIGNED BY: T. ALEXANDER  
DRAWN BY: M. SACKSOWSKY  
CHECKED BY: D. TULLOCH  
DATE: 08/12/2011  
NO. DATE SHEET DESCRIPTION APP'D  
1 10/2/11 SD-10 VALLEY VIEW BLVD - DESERT INN RD TO BONANZA RD

TITLE: VALLEY VIEW BOULEVARD  
DESERT INN RD TO BONANZA RD  
SHEET: SD-10  
83 of 236  
DRAWING NO. 107-V5627