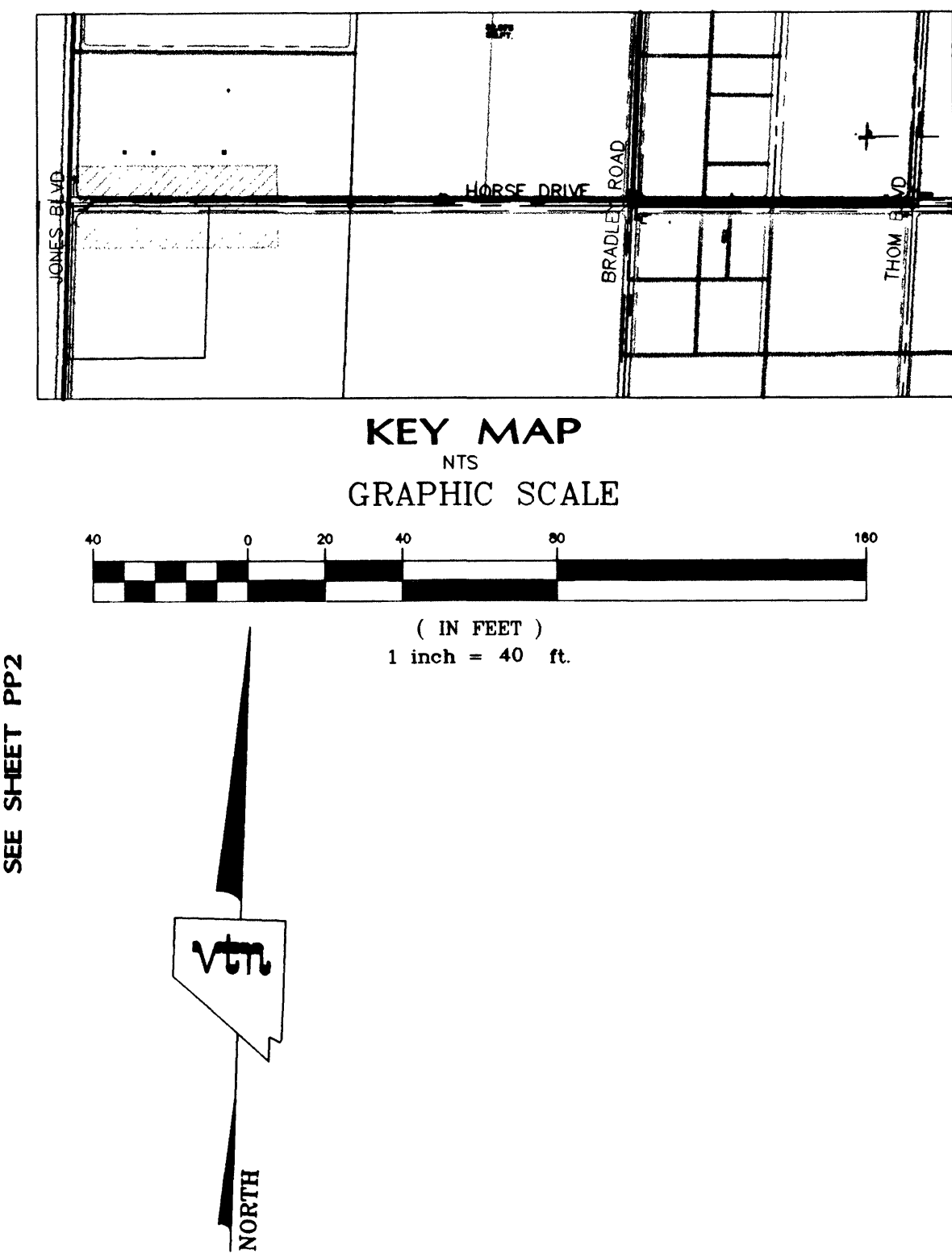
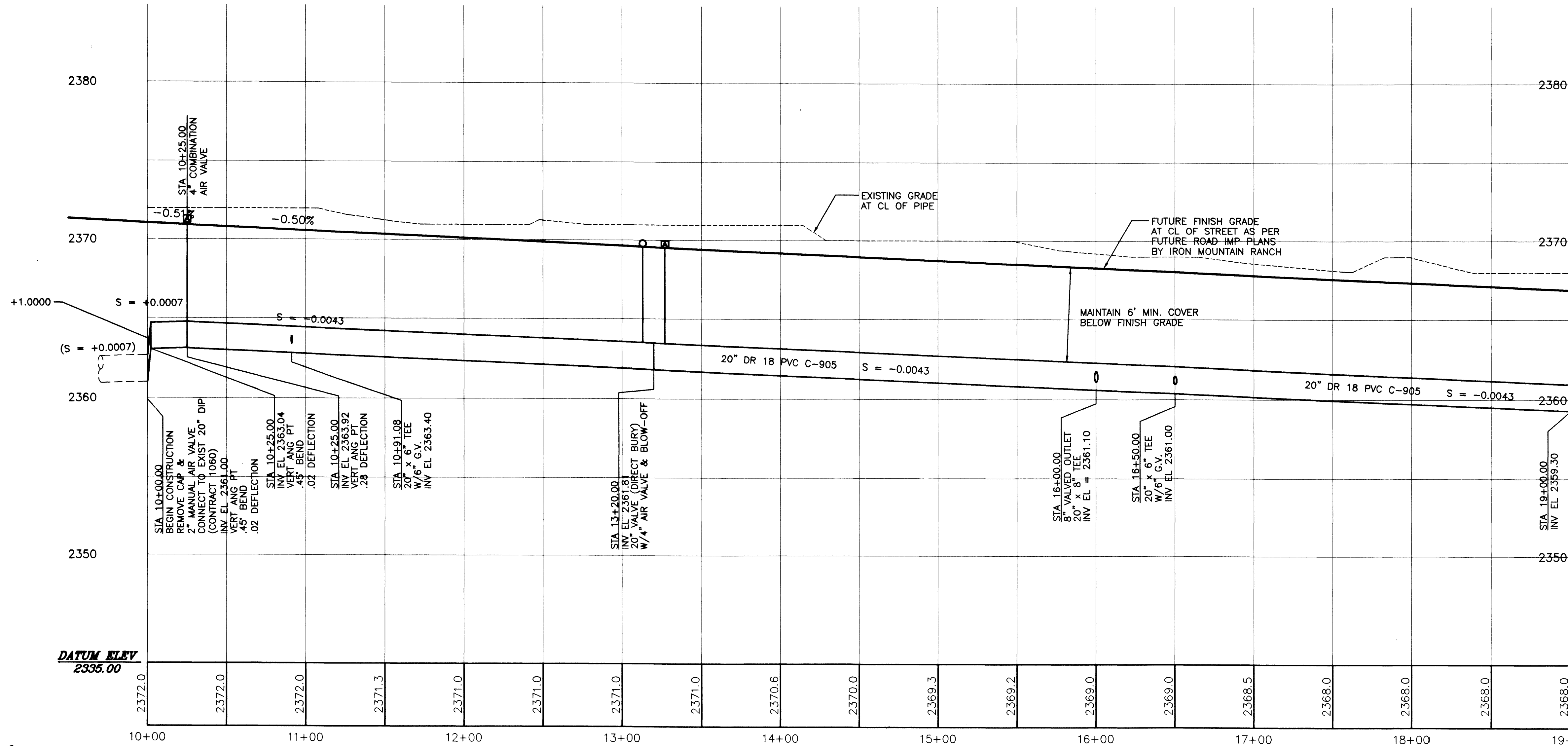


BENCHMARK
PROJECT DATUM: NAVD88
CITY OF LAS VEGAS BENCHMARK 1LV90-13NES
NAVD88 ELEVATION: 710.9608 METERS (2332.54 FEET)
ONLY BM 413148, DECATUR BLVD & GRAND TETON DRIVE
100' SW OF SECTION CORNER, NEXT TO METAL POWER POLE

BASIS OF BEARINGS
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 CLARK COUNTY GIS CONTROL POINTS 802, 803, 804, AND 805,
AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA,
RECORDERS' OFFICE, IN BOOK 88 OF SURVEYS, AT PAGE 53.

HORSE DRIVE 20" WATER MAIN-PLAN AND PROFILE

SCALE: HOR. 1"=40', VER. 1"=4'



CONDITIONAL APPROVAL OF VALVED OUTLET(8" AND LARGER)
THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS EXTENDING OUT OF PAVED AREAS. INSTALLATION OF THESE OUTLETS IS ACCEPTABLE, HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN THE PROPERTY IS ACTUALLY DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE DISTRICT'S STANDARDS AND AT THE DEVELOPER'S EXPENSE.
APPROVAL OF THESE PLANS FOR THE SERVICE LATERALS & METERS TO FUTURE LOTS WILL NOT BE CONSTRUED AS A COMMITMENT TO WATER SERVICES FOR THESE PROPERTIES.

[Signature]
CITY OF LAS VEGAS FIRE DEPARTMENT
DATE: 4/9/02

NOTE
RESTRAIN ALL JOINTS (U.D.A.C.S. STD. PLATE 5 MAY ALSO BE USED)
FROM STA. 10+00.00 TO STA. 11+15.00
FROM STA. 12+05.00 TO STA. 14+35.00

NEW PVC DATA
DR 18 C-905
O.D. = 21.6 INCHES
THICKNESS = 0.86 INCHES

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 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 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.

[Signature]
SOUTHERN NEVADA WATER AUTHORITY
DATE: 4/8/02

SOUTHERN NEVADA WATER AUTHORITY (SNWA) FACILITIES ARE LOCATED IN THE AREA OF THIS PROJECT AND IT IS REQUIRED THAT THEY BE INCLUDED IN THE COORDINATION AND APPROVAL PROCESS PRIOR TO DISTRICT SIGNATURE. IF YOU HAVE NOT ALREADY DONE SO, YOU MAY CONTACT SNWA AT:

SOUTHERN NEVADA WATER AUTHORITY
1900 E. FLAMINGO RD., SUITE 170
LAS VEGAS, NV 89119
(702) 862-3444
FAX (702) 862-3485

Avoid cutting underground utility lines. If it's costly, Call before you Dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

Avoid overhead power line contact. Call before you Overhead
1-702-593-6111
NEVADA POWER ENVIRONMENTAL SAFETY SERVICES DEPARTMENT

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT

DATE

KB HOME
750 PILOT ROAD, SUITE F
Las Vegas, Nevada 89119
(702) 614-2500

**20" WATER MAIN
PLAN AND PROFILE
STA 10+00 THRU STA 19+00**
**IRON MOUNTAIN RANCH
HORSE DRIVE**

DESIGNED BY: SEP 2001
CHECKED BY: SEP 2001
PROJECT NO.: 567Y-4604-420
SCALE: 1"=40' HORZ.
1"=5' VERT.

PROFESSIONAL ENGINEER
KENNETH H. NICHOLSON
10539 YAVEN
A-702

SHEET
PP1
4 OF 10 SHEETS
DRAWING NO. 567Y-4604-420

2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148
PH. (702) 873-7550 FAX (702) 382-2997

vtm
nevada
CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS

H:\5825\5825-X\601-PP.DWG Apr 03, 2002 - 10:44am - daven