

NOTE: THIS PROJECT PLAN APPROVAL IS CONTINGENT ON

- 111501 NORTHERN TERRACE UNIT 1 PROVIDENCE
- 111631 CLIFFS EDGE SHAUMBER 3205 PHASE II

PLAN APPROVAL

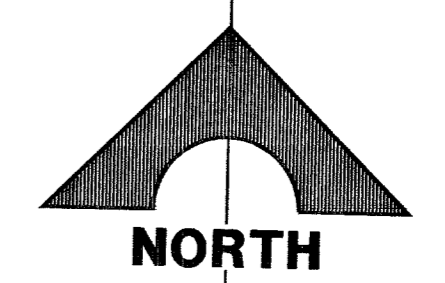
- NOTE:
- ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOMEOWNERS ASSOCIATION
  - QUANTITY ESTIMATES ARE SHOWN ON SHEET C-3.

# NORTHERN TERRACE UNIT 7 (FUTURE)



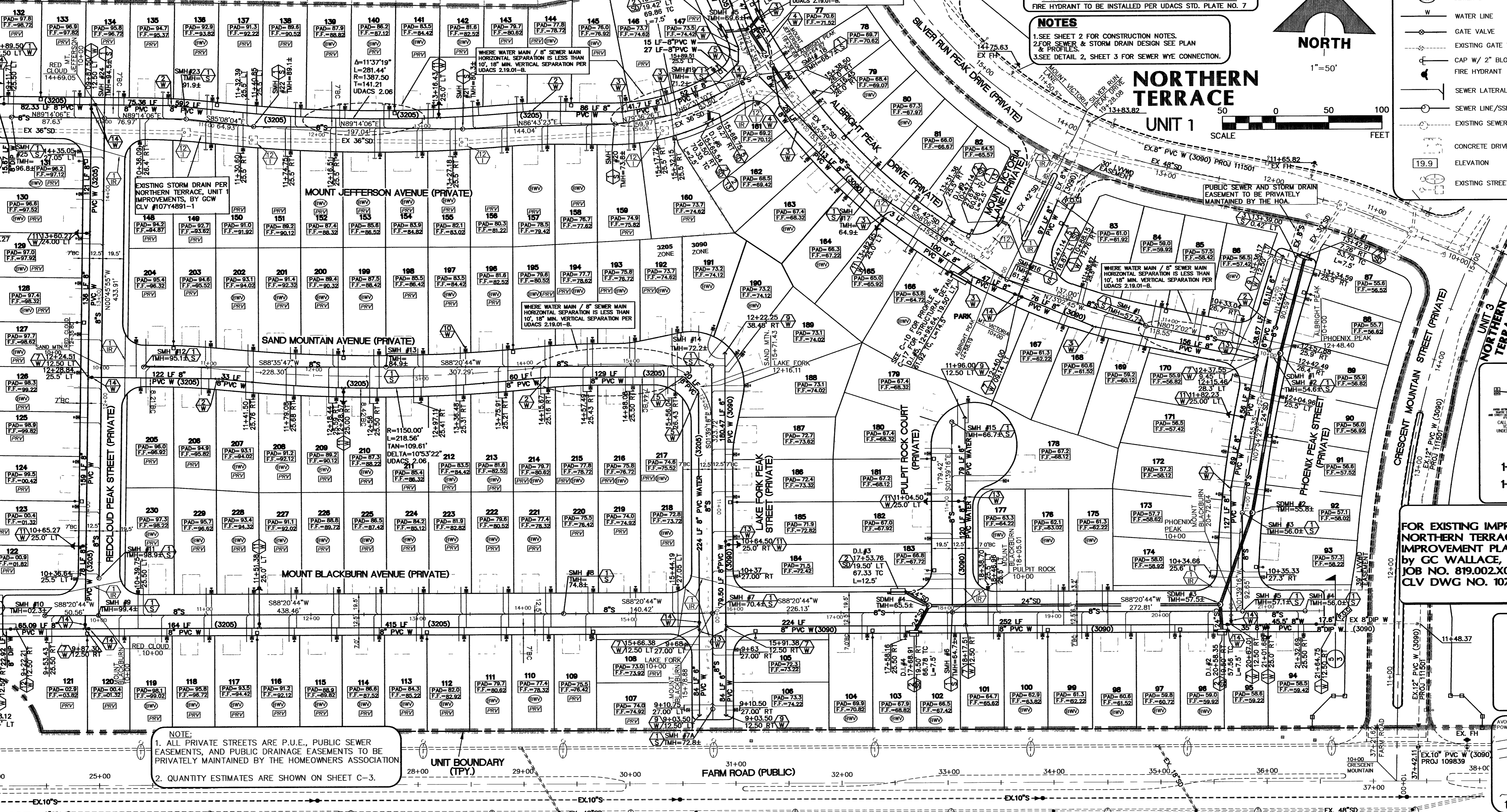
**FIRE HYDRANT LOCATION DETAIL**  
FIRE HYDRANT TO BE INSTALLED PER UDACS STD. PLATE NO. 7

NOTES:  
1. SEE SHEET 2 FOR CONSTRUCTION NOTES.  
2. FOR SEWER & STORM DRAIN DESIGN SEE PLAN & PROFILES.  
3. SEE DETAIL 2, STORM DRAIN FOR SEWER WYE CONNECTION.

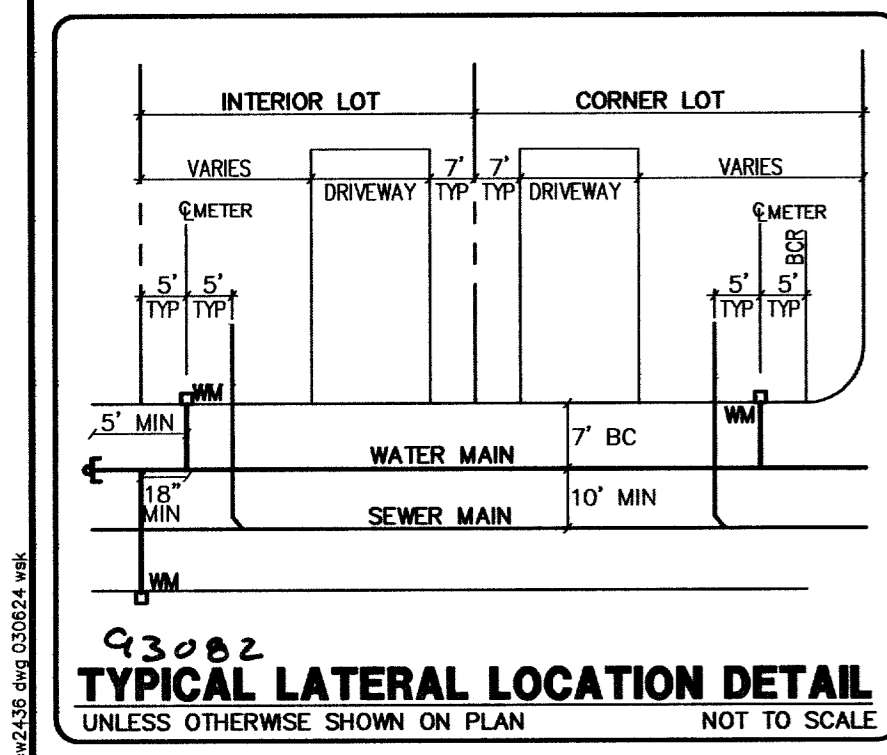


**UTILITY LEGEND**

- EXISTING STORM DRAIN MANHOLE
- STORM DRAIN DROP INLET
- EXISTING STORM DRAIN DROP INLET
- SEWER BACK WATER VALVE
- WATER LINE
- GATE VALVE
- EXISTING GATE VALVE
- CAP W/ 2" BLOW OFF
- FIRE HYDRANT
- SEWER LATERAL
- SEWER LINE/SSMH
- EXISTING SEWER MANHOLE
- CONCRETE DRIVEWAY
- ELEVATION
- EXISTING STREET LIGHT



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  - QUANTITY ESTIMATES ARE SHOWN ON SHEET C-3.



Q3082 TYPICAL LATERAL LOCATION DETAIL UNLESS OTHERWISE SHOWN ON PLAN NOT TO SCALE

- NOTES:
- ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.
  - INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTINGS, PER UDACS PLATE NO. 27.
  - ADJUST EXISTING WATER VALVE BOX TO FINISHED GRADE PER UDACS PLATE NO. 8. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

**FIRE FLOW CALCULATIONS**

- FIRE FLOW REQUIREMENT IS 1,500 GALLONS PER MINUTE AT 20 psi.	
- SQUARE FOOTAGE	< 3,600 SF
- LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS	N/A
- BUILDING HEIGHT	35 FEET MAX.
- NUMBER OF STORIES	2
- TYPE OF CONSTRUCTION	V-NR
- OCCUPANCY	SINGLE FAMILY
- FULL AUTOMATIC FIRE SPRINKLER SYSTEM	NO

**EASEMENT WITH TREES, SHRUBS, DECORATIVE ROCKS, BLOCK WALL OR FENCE**

TREES AND SHRUBS, OR DECORATIVE ROCKS, AND ANY BLOCK WALL OR OTHER FENCE MATERIAL, SHALL BE DESIGNED AND CONSTRUCTED AROUND THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULT(S), BACKFLOW ASSEMBLIES, AND PIPING FROM THE ADJACENT RIGHT-OF-WAY.

**CONDITIONAL APPROVAL OF VALVED OUTLET (6" AND LARGER)**

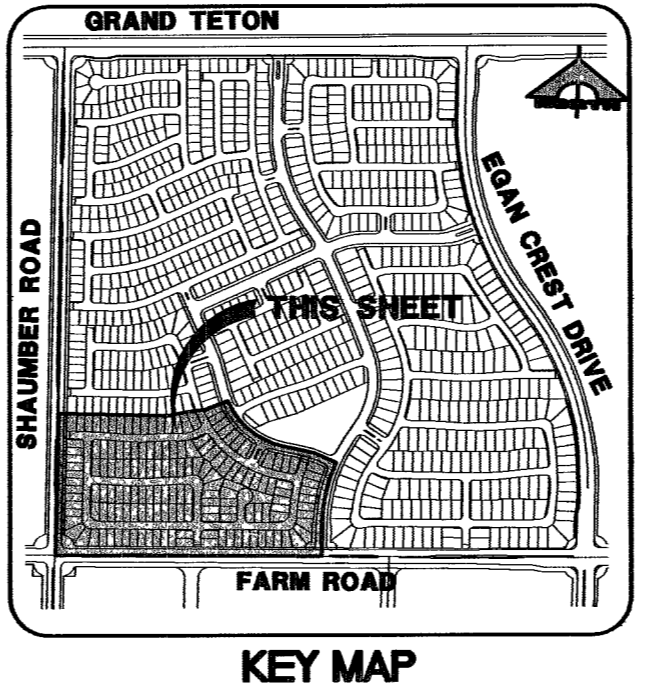
THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS EXTENDING OUT OF PAVED AREAS. INSTALLATIONS OF THESE OUTLETS IS ACCEPTABLE; HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN THE PROPERTY IS ACTUALLY DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE DISTRICT'S STANDARDS, AND AT THE DEVELOPER'S EXPENSE. APPROVAL OF THE VALVED OUTLET DOES NOT PROVIDE OR IMPLY A WATER COMMITMENT.

**WATER MAIN JOINT DEFLECTION (PVC, 4"-24")**

PVC PIPE SHALL BE DEFLECTED 1 THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.06.01 AND 2.06.02.

FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

FOR EX. FARM ROAD IMPS, SEE CLIFFS EDGE / PROVIDENCE FARM ROAD PULI ROAD TO HUALAPAI WAY BY VTN, CLV #1074816-FRD 1074816-OS-7



LOTS: 107-160, & 192-230

This property may have static water pressure in excess of 80 psi. The Uniform Plumbing Code requires that individual, on-site (private), pressure reducing valves be installed whenever the pressure exceeds 80 psi. PRV's are the Developer's responsibility, and will not be inspected or included in the acceptance of LVVWD's facilities.

**SEWER CONNECTION NOTE**

ONE OR MORE SEGMENTS OF THE DOWNSIDE SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED AND/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO THE COMPLETION AND/OR ACCEPTANCE OF THE DOWNSIDE SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT INTO THE DOWNSIDE SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY ARE DEEMED AVAILABLE FOR SERVICE.

NOTE: SEWER AVERAGE DAILY FLOWS = 155 LOTS X 250 GPD/ERU = 38,750GPD PEAK FLOWS = 3.4 X 38,750 = 131,750 GPD

APPROVED FOR CONSTRUCTION  
*R. Smith*  
CITY OF LAS VEGAS FIRE DEPARTMENT  
DATE: 6/19/06

APPROVAL: LVVWD NO. 111600  
LAS VEGAS VALLEY WATER DISTRICT  
DATE

FOR EXISTING IMPROVEMENTS SEE NORTHERN TERRACE UNIT 1 IMPROVEMENT PLANS BY GC WALLACE, INC JOB NO. 819.002.X08 CLV DWG NO. 1074891-1

Call before you Dig.  
1-702-455-7511  
1-702-229-6611

Call before you Dig.  
1-800-227-2600

Call before you Dig.  
1-702-227-2929

G.C. WALLACE, INC.  
Engineers/Planners/Surveyors  
14500 W. LAS VEGAS BLVD., SUITE 100  
LAS VEGAS, NV 89146  
TELEPHONE: (702) 804-2000 • FAX: (702) 804-2299  
E-Mail: Northern\_Terrace\_Unit2.dwg \vmas\NTU2\04.dwg

MERTAGE HOMES  
NORTHERN TERRACE - UNIT 2  
MASTER UTILITY PLAN

DRAWING  
CLV DRAWING NO. 1074891-2  
C-4  
4 OF 17 SHTS