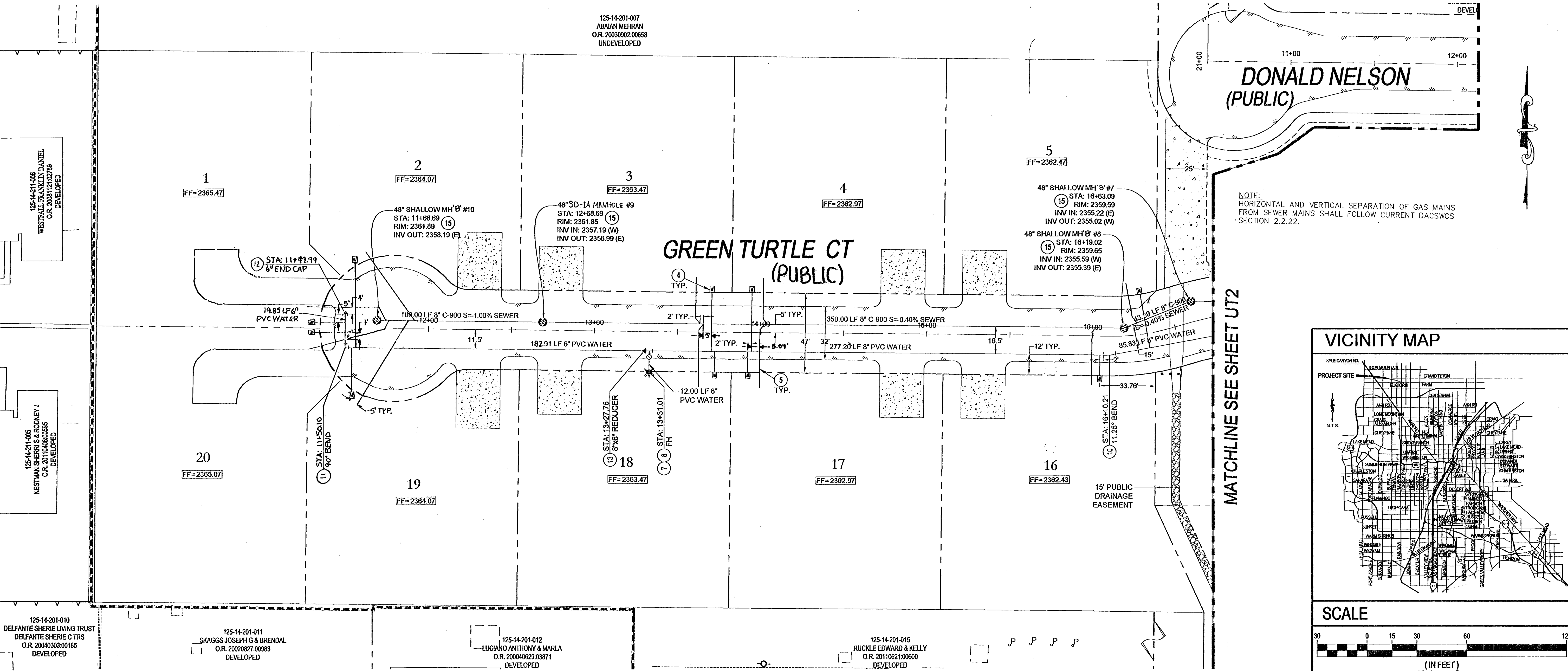
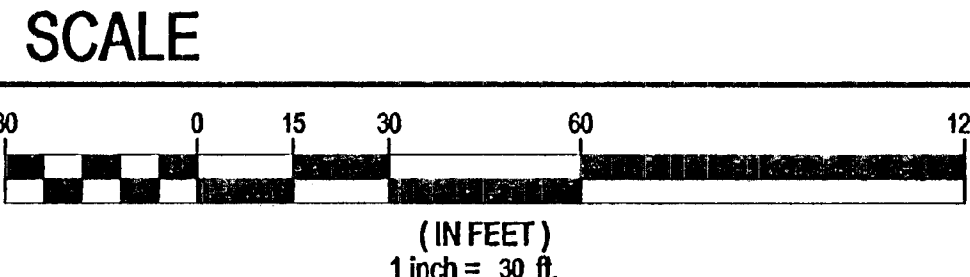
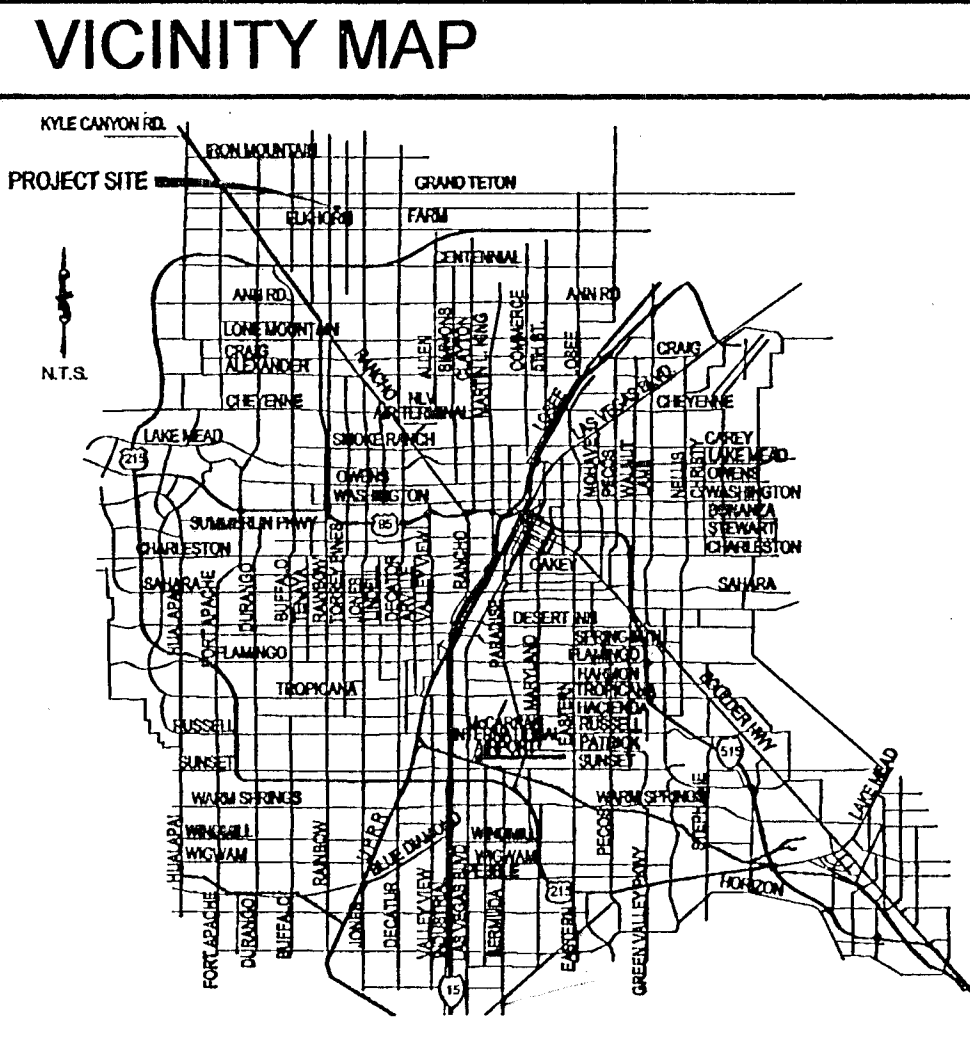


125-14-201-007
ABAJAN MEHRAN
O.R. 20030902-00658
UNDEVELOPED



NOTE:
HORIZONTAL AND VERTICAL SEPARATION OF GAS MAINS
FROM SEWER MAINS SHALL FOLLOW CURRENT DACSWCS
SECTION 2.2.22.

MATCHLINE SEE SHEET UT2



WATER MAIN JOINT DEFLECTION

(PVC 4"-24")
PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MAXIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.07.01 AND 2.07.02.
FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTING SHALL BE USED.

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 1,750 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL.
BASED ON:
SQUARE FOOTAGE: 4200 SQ.FT.
SEPARATE WALLS: N/A
HEIGHT: 1 STORY
SPRINKLER SYSTEM: NO
ROOF CONSTRUCTION: WOOD
HIGH PILED COMBUSTIBLE STORAGE: NO
ESFR SYSTEM: NO
LARGEST AREA BETWEEN
TYPE OF CONSTRUCTION: V-B
OCCUPANCY: R-3
STORIES: 1 STORY

CONSTRUCTION NOTES

1. SAWCUT REMOVE AND REPLACE EXISTING AC PAVEMENT
2. 8" X 8" WATERLINE TEE (UDACS P.LT. 31)
3. 1" WATER SERVICE W/ 1" METER (UDACS P.LT. 4)
4. 4" SEWER LATERAL PER CLY GENERAL NOTE #21 (DCSWCS SD-22) ALL SEWER LATERALS NEED TO BE WATER QUALITY
5. FIRE HYDRANT ASSEMBLY W/ 6" GATE VALVE (UDACS P.LT. 40) - PUBLIC
6. 8" X 6" WATERLINE TEE (UDACS P.LT. 31)
7. 6" GATE VALVE (UDACS P.LT. 30 & 39)
8. 11.25" WATERLINE BEND (UDACS P.LT. 31)
9. 90° WATERLINE BEND (UDACS P.LT. 31)
10. INSTALL END CAP & 2" BLOW-OFF ASSEMBLY (UDACS P.LT. 30)
11. INSTALL 8" X 6" REDUCER (UDACS P.LT. 30)
12. INSTALL 24" X 8" TAPPING TEE SLEEVE W/ 6" TAPPING VALVE UDACS 2.24.01 (B) P.LT. 34 & 39
13. INSTALL SHALLOW MANHOLE (SD-13/GD1)
14. INSTALL 24" X 6" TAPPING TEE SLEEVE W/ 6" TAPPING VALVE UDACS 2.24.01 (B) P.LT. 34 & 39
15. 45° WATERLINE BEND (UDACS P.LT. 31)

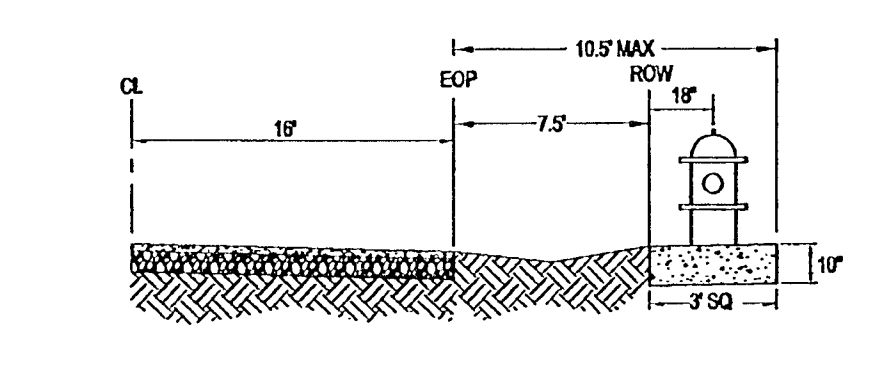
UTILITY DISCLAIMER NOTE

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS. CALL BEFORE YOU DIG: 1-800-227-2600
CALL BEFORE YOU OVERHEAD: 1-702-227-2929

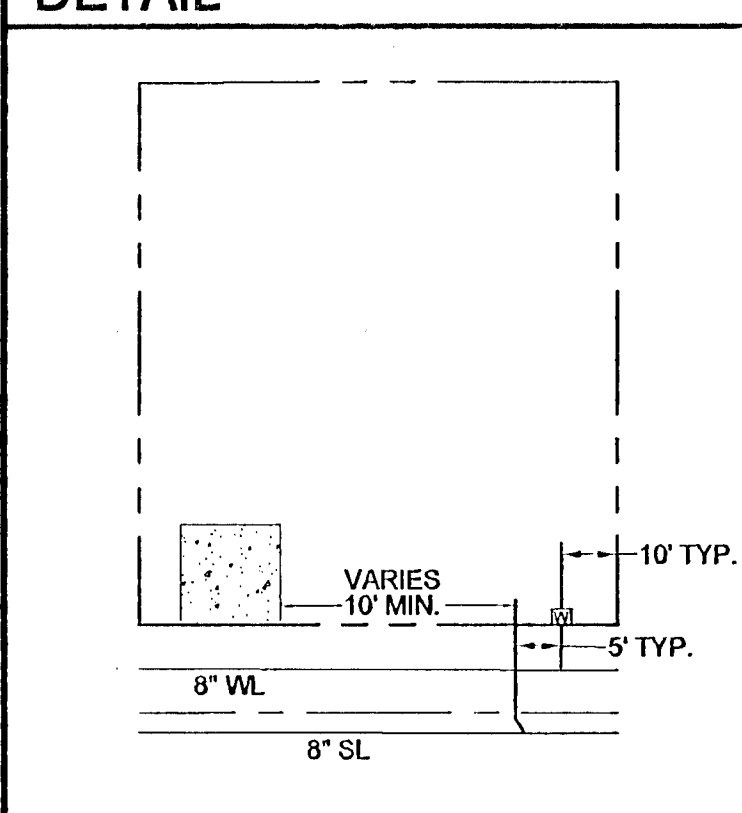
UTILITY NOTES

1. ALL WATER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "UNIFORM DESIGN AND CONSTRUCTION" STANDARDS FOR WATER DISTRIBUTION SYSTEMS" (UDACS), LATEST EDITION.
2. FIRE, WATER, AND SEWER SERVICES, AS APPROVED ON THIS PLAN, ARE INTENDED SPECIFICALLY FOR THE LOT AND USE SHOWN, AND ARE NOT INTENDED TO SERVICE ADDITIONAL PARCELS OR STRUCTURES WHICH MAY BE CREATED IN THE FUTURE. IN THE EVENT THAT THE PARCELS AND/OR LOTS SHOWN ON THIS PLAN ARE FURTHER DIVIDED TO CREATE ADDITIONAL PARCELS OR LOTS, THE OWNER IS REQUIRED TO PROVIDE SEPARATE FIRE, WATER, & SEWER SERVICES TO EACH.
3. WATER AND SEWER LATERALS SHALL BE INSTALLED A MINIMUM OF 48" APART IN SEPARATE TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF 18" ABOVE THE SEWER LATERAL. (REF. UNIFORM PLUMBING CODE)
4. LOCATOR WIRE SHALL BE USED FOR ALL SERVICE LATERALS NOT PERPENDICULAR TO THE MAIN. (TYPICAL)
5. ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS" (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.
6. ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CLARK COUNTY.
7. ALL ONSITE STREETS AND DRAINAGE EASEMENTS ARE TO BE PRIVATELY OWNED AND MAINTAINED.
8. INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING. (UDACS P.LT. 15)

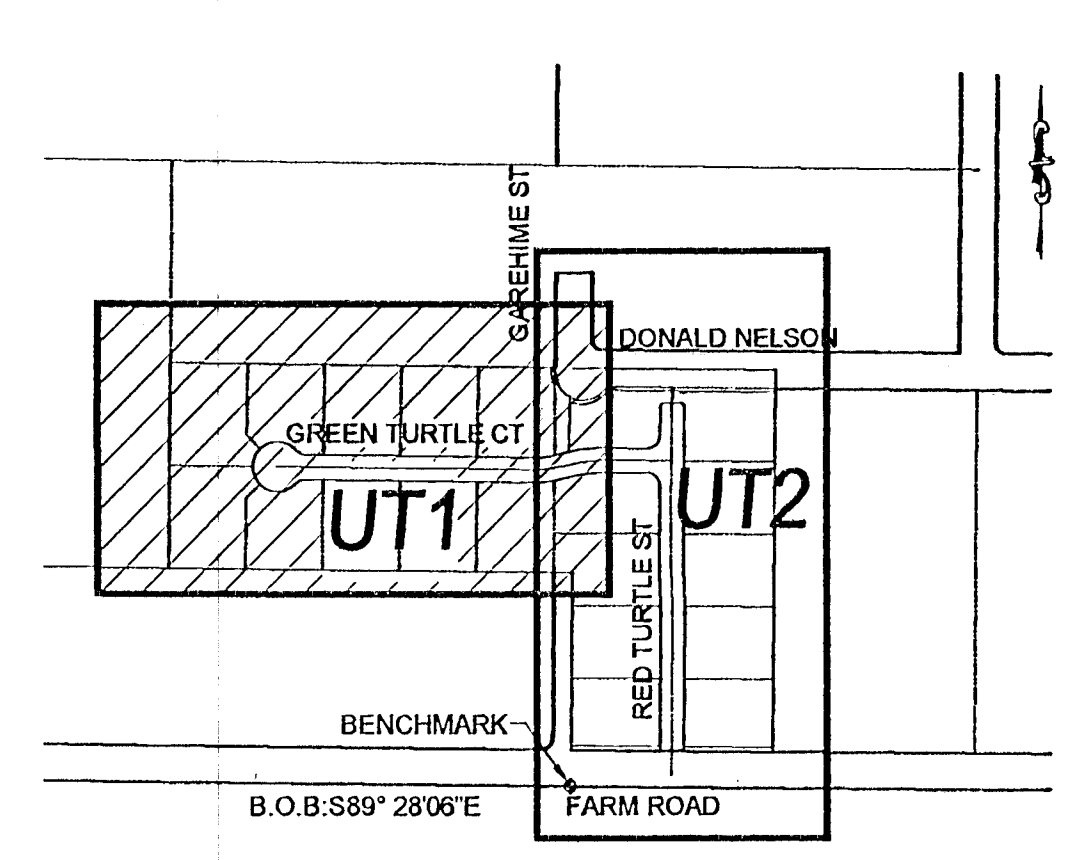
FIRE HYDRANT DETAIL



TYPICAL UTILITY LATERAL DETAIL



KEY MAP



NOTE:
THE DISTRICT CANNOT GUARANTEE A WATERTIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO EXISTING FACILITIES ARE REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE TO REMOVE FUGITIVE WATER THAT MAY IMPEDE CONSTRUCTION AT ALL TIMES. COORDINATION WITH INSPECTION DIVISION MUST TAKE PLACE PRIOR TO ANY TRIAL SHUTDOWN.
CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPURTENANCES ARE AVAILABLE.

LEGAL DESCRIPTION

THE WEST HALF (W1/2) OF THE SOUTHWEST QUARTER (SW1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 14, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M. AND THE NORTH HALF (N 1/2) OF THE SOUTHWEST QUARTER (SE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 14, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M., COUNTY OF CLARK, STATE OF NEVADA.

BASIS OF BEARINGS

CLARK COUNTY BENCHMARK STATION 8LV90 14WB
719.03 METER (NAVOD8) 2359.02 FEET
CITY OF LAS VEGAS RIVET AND FOUND PLATE IN CONCRETE TELEPHONE PAD, 1/4 MILE EAST OF RAINBOW BLVD. ON NORTH SIDE OF FARM ROAD.

BENCHMARK

S 89°28'06"E BEING THE CENTER LINE OF FARM ROAD AS SHOWN ON THE FINAL MAP OF BLUEGRASS HILLS ESTATES 'A COMMON INTEREST COMMUNITY', RECORDED IN BOOK 119, PAGE 35, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA. ALSO BEING THE SOUTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 14, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA.

APPROVAL BLOCK

Robert J. Cunningham 03/11/13 DATE
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER (PRO.# 117526)
LVVWD APPROVED FIRE FLOW, 1750 GPM AT 20 PSI RESIDUAL

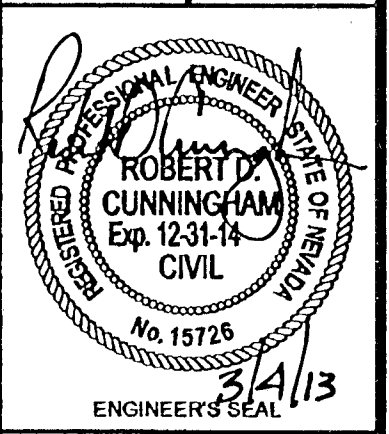
Steven W. White 03/11/13 DATE
CLARK COUNTY FIRE DEPARTMENT 1-800-227-2600
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW = 1,750 G.P.M. AT 20 PSI RESIDUAL.

NO.	DESCRIPTION	REVISIONS	SHFS.	APPR.	DATE

DR HORTON
330 CAROUSEL PKWY
HENDERSON, NV 89014
(702) 635-3600 FAX: (800) 808-6011

TANEY ENGINEERING
6600 S. JONES BLVD STE 100
HENDERSON, NV 89014
(702) 362-8844 FAX: (702) 362-8233

FARM & GAREHIME
A RESIDENTIAL SUBDIVISION
UTILITY PLAN - WEST



DATE: 3/4/2013
SCALE: 1"=30'
JOB NO: DRH-12-031
DESIGNED BY: MC
CHECKED BY: RDC
SHEET NAME: UT1
SHEET: 11 OF 15
301V1061 H# 47830
CC HTE# 12-49143