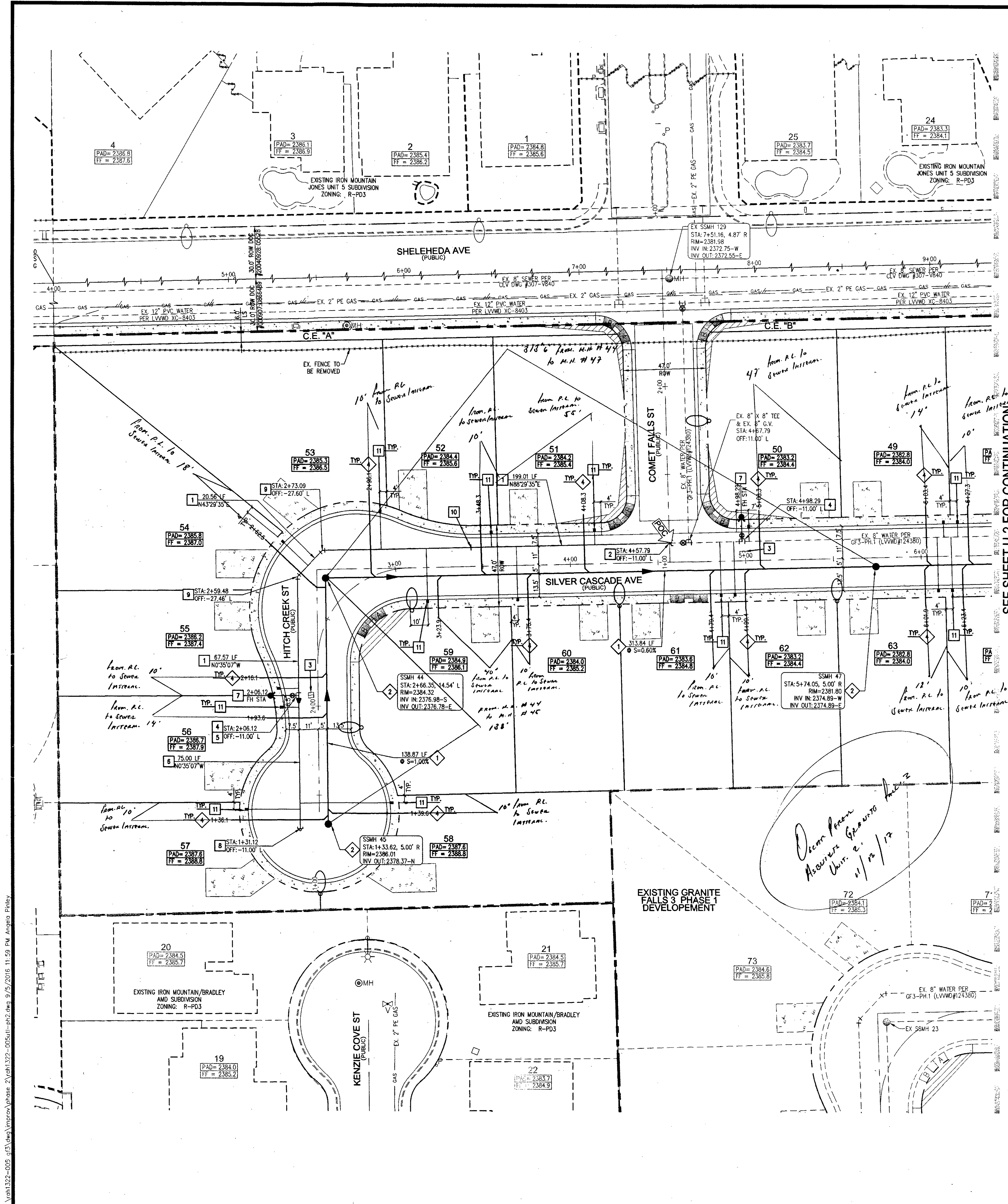
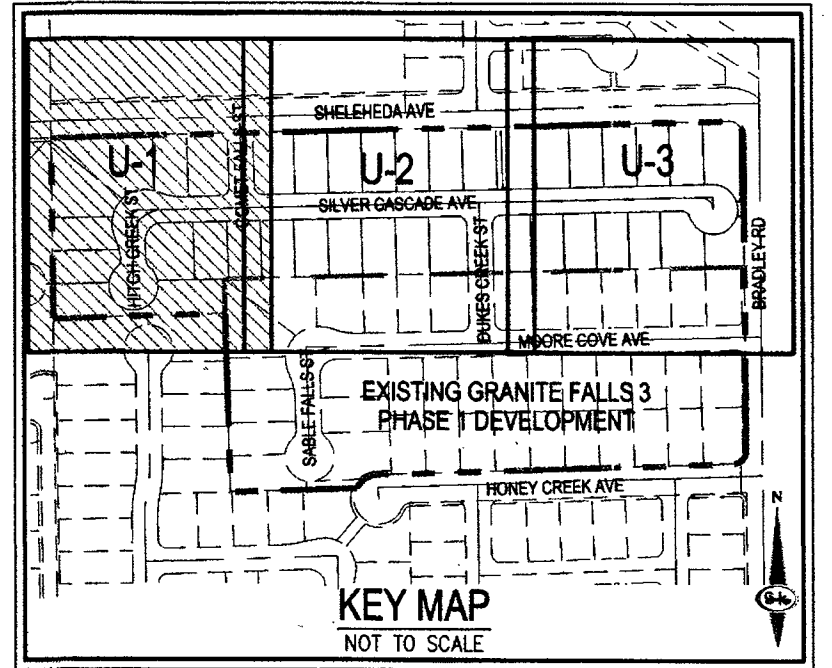




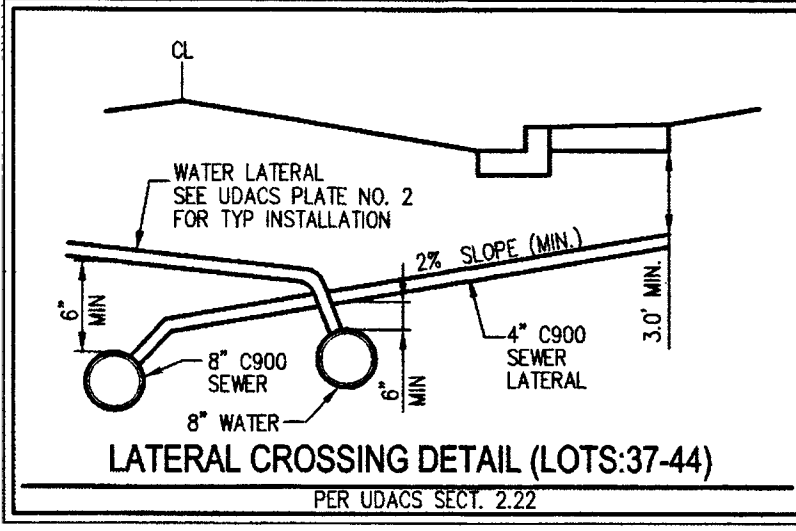
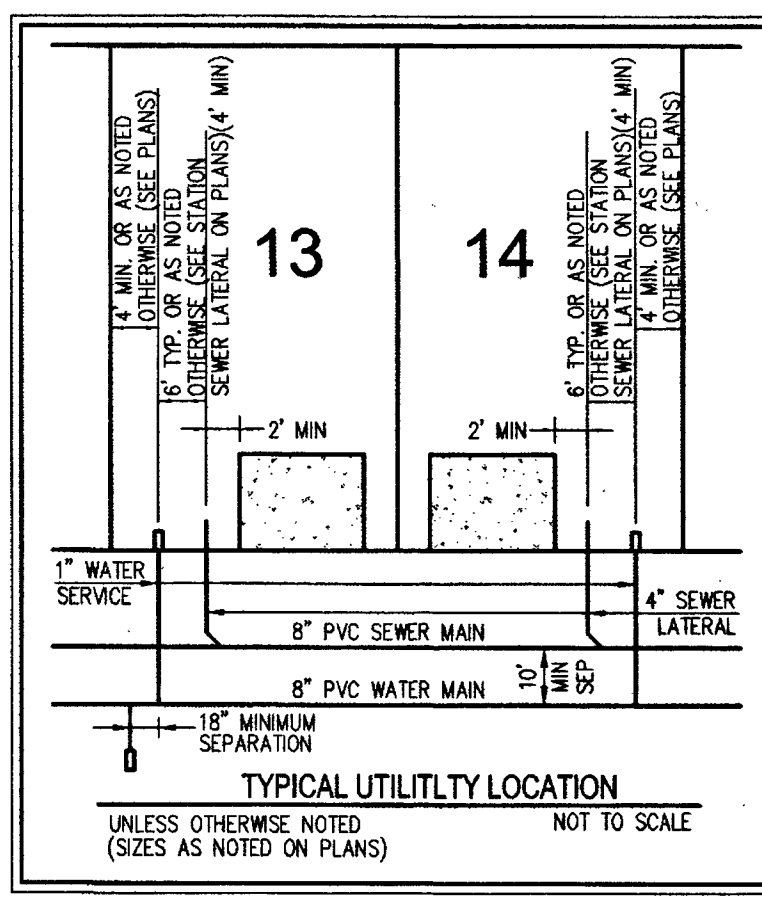
SEE SHEET U-2 FOR CONTINUATION



- ### SEWER NOTES
- INSTALL 8" PVC PUBLIC SANITARY SEWER PIPE
 - INSTALL 48" DIAMETER PUBLIC SANITARY SEWER MANHOLE WITH PRECAST BASE PER DCSWCS 50-1A, 50-1B, 50-4, AND 50-5, WITH SINGLE LID
 - INSTALL 8" C-900 PUBLIC SANITARY SEWER PIPE
 - INSTALL 4" PVC SEWER LATERAL
 - REMOVE PLUG AND CONNECT TO EXISTING 8" SANITARY SEWER PER GRANITE FALLS 3 PHASE 1
 - INSTALL 4" C-900 PVC SEWER LATERAL
 - INSTALL 48" DIAMETER SANITARY SEWER MANHOLE WITH CAST-IN-PLACE BASE PER DCSWCS 50-1A, 50-4, 50-7, AND 50-9, WITH SINGLE LID
 - FIELD VERIFY AND CONNECT TO EXISTING 8" SANITARY SEWER
 - INSTALL 48" DIAMETER PUBLIC SANITARY SEWER MANHOLE WITH CAST-IN-PLACE BASE PER DCSWCS 50-1A, 50-4, 50-7, AND 50-9, WITH SINGLE LID
- SEE SHEET C-2 FOR LEGEND, QUANTITIES & ABBREVIATIONS

CONTINGENCY NOTE

THIS PROJECT PLAN APPROVAL CONTINGENT ON GRANITE FALLS 3 - PHASE 1 (LVWD PROJECT #124380) PLAN APPROVAL



WATER NOTES:

FOR ALL DRY AND WET UTILITY CROSSING MAINTAIN MINIMUM 12" VERTICAL SEPARATION AT ALL POINTS OF CROSSING. MAINTAIN A MINIMUM 3" PARALLEL SEPARATION. ANY EXCAVATION AT BACK OF CURB MUST REMAIN OPEN FOR INSPECTION OF COPPER SERVICE LATERALS. ANY COPPER SERVICE LATERAL KNICKED, BENT OR OTHERWISE DAMAGED MUST BE REPLACED FROM THE MAIN TO THE ANGLE METER STOP.

NOTE: THE DISTRICT CANNOT GUARANTEE A WATER TIGHT 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.

NOTE: INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING PER UDACS PLATE NO. 15

NOTE: ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.2.2 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

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 MINIMUM RADIUS OF CURVATURE OF 1,150 FEET PER UDACS PLATE NO. 2.07.2 FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

EXISTING SERVICES: IF ANY OF THE EXISTING SERVICES ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON, THE DEVELOPER SHALL ABANDON THE LATERAL AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE UDACS STANDARDS, AND AT THE DEVELOPER'S EXPENSE.

NOTE: ADJUST WATER VALVE BOXES TO FINISHED GRADE PER UDACS PLATE NO. 39. VALVES SHALL BE ACCESSIBLE AT ALL TIMES.

- ### LEGEND
- ROADWAY CENTERLINE
 - RIGHT-OF-WAY
 - LOT LINE
 - CURB AND GUTTER
 - FINISHED CURB AND GUTTER
 - WATER PIPE FITTING
 - WATER GATE VALVE
 - FIRE HYDRANT
 - REFLECTIVE RAISED PAVEMENT MARKERS
 - SANITARY SEWER MANHOLE
 - SANITARY SEWER FLOW DIRECTION
 - POINT OF CONNECTION
 - EX. STREETLIGHT

GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS OF EXISTING UTILITIES INCLUDING LOCATION, ELEVATION AND DIMENSIONS AND REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- SEE FINAL MAP FOR EXACT BOUNDARY BEARINGS AND DISTANCES.
- ALL IMPROVEMENTS TO BE PROTECTED FROM EROSION DURING CONSTRUCTION THROUGH THE USE OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
- ALL PUBLIC AND PRIVATE DRAINAGE IMPROVEMENTS TO BE BONDED FOR AND INSPECTED.
- SLATER HANFAN GROUP ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO THE WATER, FIRE, SANITARY SEWER, STORM, TELEPHONE, POWER, GAS, AND IRRIGATION LINES AND ALL EXISTING UTILITIES SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. IF CONFLICTS EXIST IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT/OWNER'S REPRESENTATIVE, AND THE PROJECT ENGINEER IMMEDIATELY.
- DISCLAIMER NOTE: EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL LOCATION OF EXISTING 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 IN THEIR PROPER LOCATION.
- DISCLAIMER NOTE: FOR ROADWAY WIDENING AND HALF STREET IMPROVEMENTS THE CONTRACTOR SHALL VERIFY CROSS SLOPES FROM EXISTING PAVEMENT SAWCUT LINE TO PROPOSED EDGE OF PAVEMENT OR PROJECTED LIP OF CURB PRIOR TO SUBGRADE PREPARATION AND CONSTRUCTION OF PROPOSED CURB LINE. IF MINIMUM OR MAXIMUM CROSS SLOPES DO NOT MEET AGENCY STANDARDS THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
- NO STRUCTURE, VEGETATION, OR OBJECTS OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXIST) WITHIN THE SIGHT VISIBILITY ZONES.

- ### WATER NOTES
- INSTALL 8" PVC WATER PIPE (2638 MP2)
 - REMOVE EXISTING CAP AND BLOW-OFF ASSEMBLY AND CONNECT TO EXISTING WATER PIPE
 - INSTALL BLUE REFLECTIVE RAISED PAVEMENT MARKERS PER 2009 IFC APPENDIX C, SECTION 107.1
 - INSTALL 8" X 6" TEE PER UDACS PLATE NO. 31
 - INSTALL 8" X 6" REDUCER PER UDACS PLATE NO. 30
 - INSTALL 6" PVC WATER PIPE (2638 MP2)
 - INSTALL FIRE HYDRANT ASSEMBLY W/6" GATE VALVE PER UDACS PLATE NO. 40
 - INSTALL CAP AND 2" BLOW-OFF VALVE PER UDACS PLATE NO. 36
 - INSTALL 45 DEGREE BEND PER UDACS PLATE NO. 31
 - INSTALL 1 DEGREE MAXIMUM VERTICAL JOINT DEFLECTION PER UDACS SECTION 2.07
 - INSTALL 1" COPPER SERVICE W/ 3/4" METER PER UDACS PLATE NO. 3
- SEE SHEET C-2 FOR LEGEND, QUANTITIES & ABBREVIATIONS

FIRE FLOW CALCULATIONS

FIRE FLOW 1,500 GPM AT 20 P.S.I. RESIDUAL

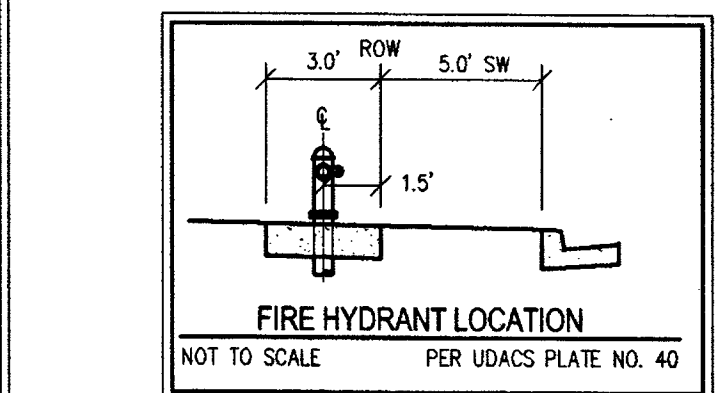
USE/OCCUPANCY	SINGLE FAMILY
TYPE OF CONSTRUCTION (IBC)	TYPE V-B
AUTOMATIC FIRE SPROCKETS	NO
SQUARE FOOTAGE	23600
LARGEST AREA BETWEEN 4 HOUR WALLS	N/A
BUILDING HEIGHT	2.50
NO OF STORES INCLUDING BASEMENT	NO
HIGH PILED COMBUSTIBLE STORAGE	NO
NO OF HYDRANTS INSTALLED	4

BASIS OF BEARING

SOUTH 00°23'54" EAST, BEING THE BEARING OF THE EAST LINE OF THE SOUTHWEST QUARTER (SE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 80 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN BOOK 148, PAGE 39 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

BENCHMARK

BENCHMARK NUMBER 615012/2NWB
RIVET AND PLATE IN TOP OF CURB ON THE SOUTH SIDE OF IRON MOUNTAIN ROAD, 35' SE SOUTHWEST OF PI OF LEON DRIVE AND IRON MOUNTAIN ROAD.
ELEVATION = 725.053 METERS, 2378.778 US SURVEY FEET N.A.V.D. 88 DATUM
FOR THE CITY OF LAS VEGAS BENCHMARKS, 2008 ADJUSTMENT (UPDATED MAY 24, 2010)



LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
DATE: 5/17/16 PROJECT NO. 124441
LVWD APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL

WATER SERVICE LATERALS FOR LOTS 45-50 AND 61-67 WILL BE TAPPED ON EXISTING MAIN BY OWNER'S CONTRACTOR UNDER DIRECTION OF THE LVWD.

SEWER NOTES:

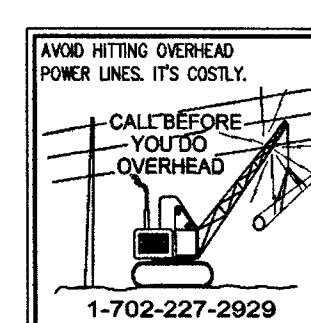
ESTIMATED AVERAGE DAILY SEWER CONTRIBUTIONS
37 UNITS X 250 GPD/UNIT = 9,250 GPD
TOTAL AVERAGE CONTRIBUTION = 9,250 GPD = 0.009 MGD
TOTAL PEAK FLOW = 0.009 MGD X 3.5 (PEAK FACTOR) = 0.032 MGD

NOTE: THE CONTRACTOR IS TO VERIFY THE ACTUAL FIELD CONDITIONS OF ALL LOTS AND INSTALL SEWER CHECK VALVES WHERE REQUIRED PER THE LATEST EDITION OF THE UNIFORM PLUMBING CODE.

NOTE

ALL ABOVE GROUND UTILITY APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF TITLE 19.06 AND 19.08

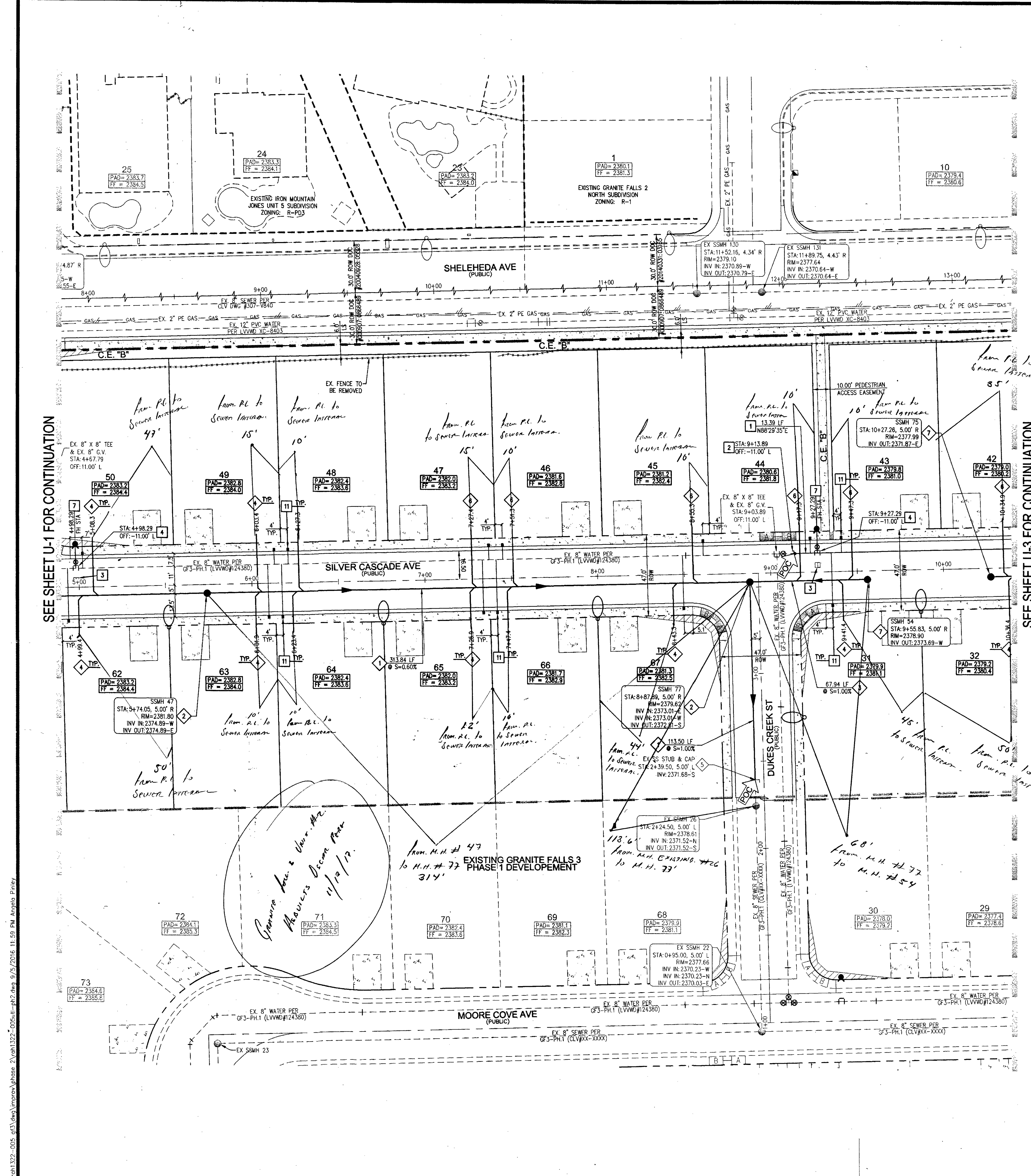
LAS VEGAS FIRE AND RESCUE
FIRE DEPARTMENT
APPROVED
DATE: 5/16/16
BY: [Signature]
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW 1,500 GPM AT 20 P.S.I. RESIDUAL.



SLATER HANFAN GROUP
CONSULTING ENGINEERS & PLANNERS
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399

RICHMOND AMERICAN HOMES
CITY OF LAS VEGAS, NEVADA
GRANITE FALLS 3-PHASE 2
UTILITY PLAN I
DATE: 9/5/16
DRAFTER: JMT
DESIGNER: IG
CHECKED: ARP
PROJECT NO. RAH1322-005
SHEET 16 OF 21
10745037-2

U-1
SHEET 16 OF 21
10745037-2



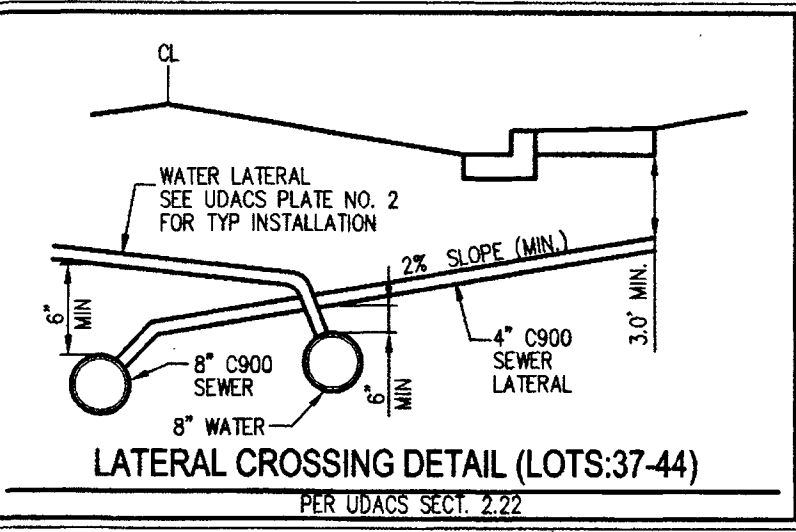
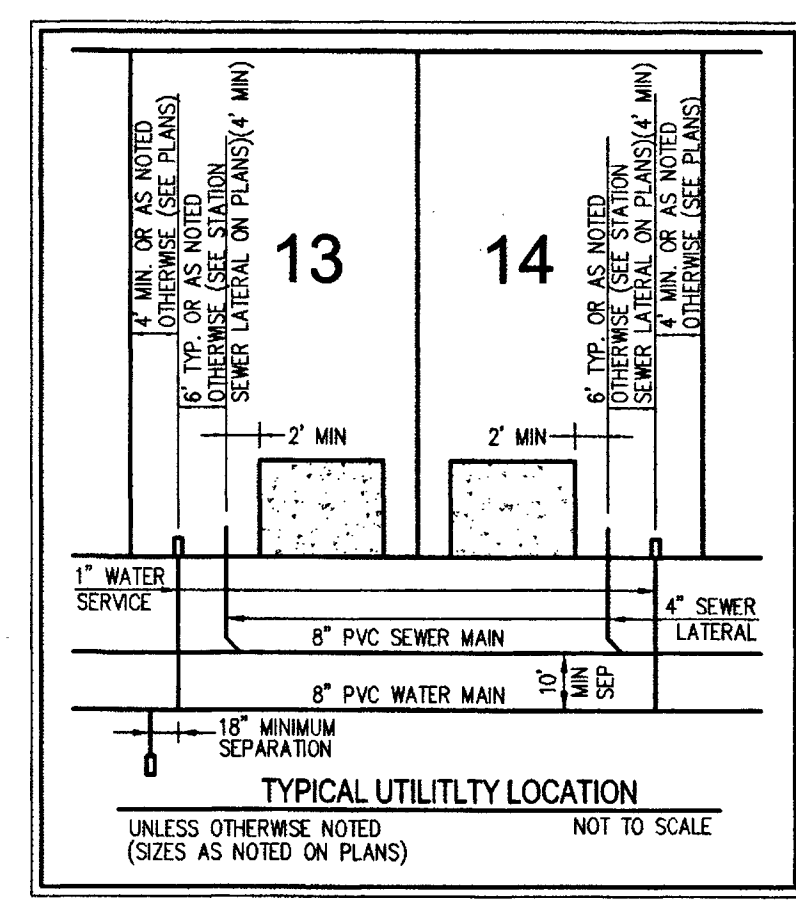
SEE SHEET U-1 FOR CONTINUATION

SEE SHEET U-3 FOR CONTINUATION

- ### SEWER NOTES
1. INSTALL 8" PVC PUBLIC SANITARY SEWER PIPE
 2. INSTALL 48" DIAMETER PUBLIC SANITARY SEWER MANHOLE WITH PRECAST BASE PER DCSWCS SD-1A, SD-1B, SD-4, AND SD-5, WITH SINGLE LID
 3. INSTALL 8" C-900 PUBLIC SANITARY SEWER PIPE
 4. INSTALL 4" PVC SEWER LATERAL
 5. REMOVE PLUG AND CONNECT TO EXISTING 8" SANITARY SEWER PER GRANITE FALLS 3 PH.1
 6. INSTALL 4" C-900 PVC SEWER LATERAL
 7. INSTALL 48" DIAMETER SANITARY SEWER MANHOLE TYPE "A" SHORTY CONE PER DCSWCS SEC. 2.2.11, SD-9 AND SD-13, WITH SINGLE LID
 8. FIELD VERIFY AND CONNECT TO EXISTING 8" SANITARY SEWER
 9. INSTALL 48" DIAMETER PUBLIC SANITARY SEWER MANHOLE WITH CAST-IN-PLACE BASE PER DCSWCS SD-1A, SD-4, SD-7, AND SD-5, WITH SINGLE LID
- SEE SHEET C-2 FOR LEGEND, QUANTITIES & ABBREVIATIONS

CONTINGENCY NOTE

THIS PROJECT PLAN APPROVAL CONTINGENT ON GRANITE FALLS 3 - PHASE 1 (LVWD PROJECT #124380) PLAN APPROVAL



WATER NOTES

FOR ALL DRY AND MET UTILITY CROSSING MAINTAIN MINIMUM 12" VERTICAL SEPARATION AT ALL POINTS OF CROSSING. MAINTAIN A MINIMUM 3" PARALLEL SEPARATION. ANY EXCAVATION AT BACK OF CURB MUST REMAIN OPEN FOR INSPECTION OF COPPER SERVICE LATERALS. ANY COPPER SERVICE LATERAL KINKED, BENT OR OTHERWISE DAMAGED MUST BE REPLACED FROM THE MAIN TO THE ANGLE METER STOP.

NOTE: THE DISTRICT CANNOT GUARANTEE A WATER TIGHT SHUTDOWN. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE TO REMOVE FUGITIVE WATER THAT MAY IMPAIR CONSTRUCTION AT ALL TIMES. COORDINATION WITH INSPECTION DIVISION MUST TAKE PLACE PRIOR TO ANY TRAIL SHUTDOWN. CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APURTENANCES ARE AVAILABLE.

NOTE: INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING PER UDACS PLATE NO. 15

NOTE: ALL SEWER/STORM DRAIN CROSSING WATER LINES MUST CONFORM TO SECTION 2.2.2 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

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 MINIMUM 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, FITTINGS SHALL BE USED.

EXISTING SERVICES, IF ANY OF THE EXISTING SERVICES ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON, THE DEVELOPER SHALL ABANDON THE LATERALS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE UDACS STANDARDS, AND AT THE DEVELOPER'S EXPENSE.

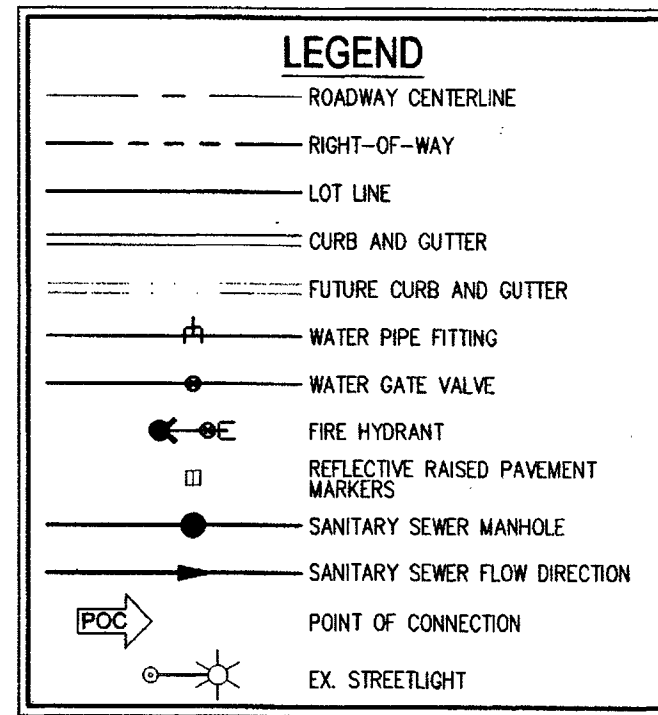
NOTE: ADJUST WATER VALVE BOXES TO FINISHED GRADE PER UDACS PLATE NO. 39. VALVES SHALL BE ACCESSIBLE AT ALL TIMES.

- ### WATER NOTES
1. INSTALL 8" PVC WATER PIPE (2538 WP2)
 2. REMOVE EXISTING CAP AND BLOW-OFF ASSEMBLY AND CONNECT TO EXISTING WATER PIPE
 3. INSTALL BLUE REFLECTIVE RAISED PAVEMENT MARKERS PER 2009 IFC APPENDIX C, SECT C10.71
 4. INSTALL 8" X 6" TEE PER UDACS PLATE NO. 31
 5. INSTALL 8" X 6" REDUCER PER UDACS PLATE NO. 30
 6. INSTALL 6" PVC WATER PIPE (2538 WP2)
 7. INSTALL FIRE HYDRANT ASSEMBLY W/6" GATE VALVE PER UDACS PLATE NO. 40
 8. INSTALL CAP AND 2" BLOW-OFF VALVE PER UDACS PLATE NO. 36
 9. INSTALL 45 DEGREE BEND PER UDACS PLATE NO. 31
 10. INSTALL 1 DEGREE MAXIMUM VERTICAL JOINT DEFLECTION PER UDACS SECTION 2.07
 11. INSTALL 1" COPPER SERVICE W/ 3/4" METER PER UDACS PLATE NO. 3
- SEE SHEET C-2 FOR LEGEND, QUANTITIES & ABBREVIATIONS

FIRE FLOW CALCULATIONS

FIRE FLOW 1,500 GPM AT 20 P.S.I. RESIDUAL.

USE/OCCUPANCY	SINGLE FAMILY
TYPE OF CONSTRUCTION (IBC)	TYPE V-B
AUTOMATIC FIRE SPRINKLERS	NO
SQUARE FOOTAGE	<u>2600</u>
LARGEST AREA BETWEEN 4 HOUR WALLS	N/A
BUILDING HEIGHT	<u>3</u> ST
NO. OF STORES INCLUDING BASEMENT	2
HIGH PILED COMBUSTIBLE STORAGE	NO
NO. OF HYDRANTS INSTALLED	<u>4</u>

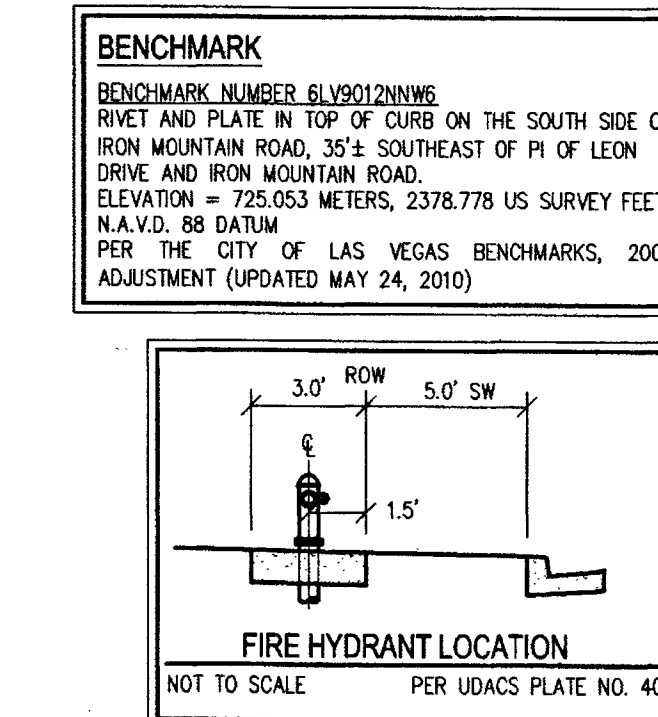


GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS OF EXISTING UTILITIES INCLUDING LOCATION, ELEVATION AND DIMENSIONS, AND REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. SEE FINAL MAP FOR EXACT BOUNDARY BEARINGS AND DISTANCE.
3. ALL IMPROVEMENTS TO BE PROTECTED FROM EROSION DURING CONSTRUCTION THROUGH THE USE OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
4. ALL PUBLIC AND PRIVATE DRAINAGE IMPROVEMENTS TO BE BONDED FOR AND INSPECTED.
5. SLATER HANIFAN GROUP ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES AND ALL EXISTING UTILITIES SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. IF CONFLICTS EXIST IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE, AND THE PROJECT ENGINEER IMMEDIATELY.
6. DISCLAIMER NOTE: EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION OF PROPOSED IMPROVEMENTS. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
7. DISCLAIMER NOTE: FOR ROADWAY WIDENING AND HALF STREET IMPROVEMENTS THE CONTRACTOR SHALL VERIFY CROSS SLOPES FROM EXISTING PAVEMENT SAWCUT LINE TO PROPOSED EDGE OF PAVEMENT OR PROJECTED TOP OF CURB PRIOR TO SUBGRADE PREPARATION AND CONSTRUCTION OF PROPOSED CURB LINE. IF MINIMUM OR MAXIMUM CROSS SLOPES DO NOT MEET AGENCY STANDARDS THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
8. NO STRUCTURE, VEGETATION, OR OBJECTS OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXIST) WITHIN THE SIGHT VISIBILITY ZONES.

BASIS OF BEARING

SOUTH 02°35'41" EAST, BEING THE BEARING OF THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN BOOK 148, PAGE 38 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.



Las Vegas Valley Water District Engineering Services
DATE: 9/20/16 PROJECT NO. 124441
LVWD APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL

LAS VEGAS FIRE AND RESCUE
FIRE DEPARTMENT
APPROVED

BY: [Signature]
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 1,500 GPM AT 20 P.S.I. RESIDUAL.

FAST
Call before you dig
Underground
1-702-432-5300
or 1-702-227-2929

Call before you dig
Underground
1-702-227-2929

Call before you dig
Underground
1-800-227-2600

SLATER HANIFAN GROUP
CONSULTING ENGINEERS & PLANNERS
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5599

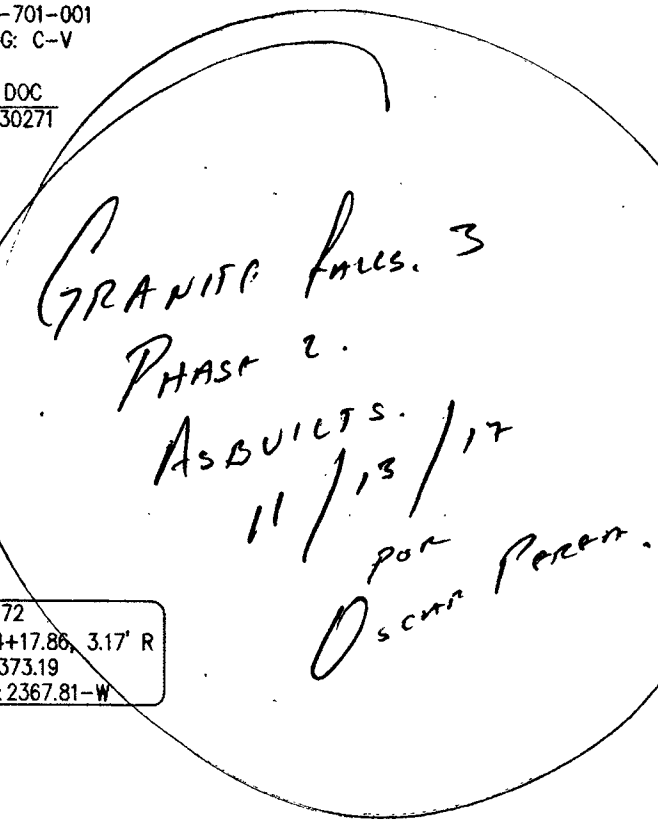
RICHMOND AMERICAN HOMES
GRANITE FALLS 3-PHASE 2
UTILITY PLAN II

CITY OF LAS VEGAS, NEVADA

DATE: 9/5/16
DRAFTER: JMT
DESIGNER: IG
CHECKED: ARP
PROJECT NO. RAH1322-005

ANGELA R. PINLEY
CIVIL ENGINEER
Exp. 12/31/2017
No. 21373

U-2
SHEET 17 OF 21
10745037-2



67-195 R 00E	
DATE: 9/5/16 DRAFTER: JMT DESIGNER: IG CHECKED: ARP PROJECT NO. RAH1322-005	
U-3 SHEET 18 OF 21 6074 5037-2	