CITY OF LAS VEGAS GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE'S WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.
8. AC PAVEMENT TO BE ONE-HALF INCH (½") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.
12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE (COMPANY , _ REPORT #, DATE) APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.
15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

WALL NOTES:

16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.
20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC, THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.
21. SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAPS SHALL BE PROVIDED TO THE CITY AND APPROVED PRIOR TO ACCEPTANCE OF FACILITY VIDEO INSPECTION. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES AND TRANSITION STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY, AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS. THE LOCATION SHALL BE DESCRIBED BY COORDINATES WHICH SHALL BE BASED ON THE OFFICIAL HORIZONTAL AND VERTICAL CONTROL NETWORKS OF THE CITY OF LAS VEGAS. FINAL LOCATION MAPS MUST BE SEALED AND CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CENTAINTIES OF ±0.09 METERS (± 0.3 FEET) HORIZONTALLY AND VERTICALLY. A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN LOCATION MAP(S).
22. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST EDITION.
23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

CITY OF LAS VEGAS GRADING NOTES

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
4. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
6. CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED: HORIZONTAL VERTICAL COMPACTION A. PAVEMENT AREA SUBGRADE 0.1'+ +0.0' TO -0.1' SEE SOILS REPORT B. ENGINEERED FILL 0.5'+ +0.1' TO -0.1' SEE SOILS REPORT COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.
7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
10. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

CITY OF LAS VEGAS SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
5. ALL MANHOLES PAVED IN STREETS EIGHTY (80') FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80') FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" 'S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
10. INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

DISCLAIMER NOTE

THE UNDERGROUND UTILITIES AS SHOWN HEREON HAVE BEEN LOCATED FROM OBSERVED FIELD SURVEY EVIDENCE AND EXISTING DRAWINGS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING; PLANS PROVIDED BY THE CLIENT, UTILITY COMPANIES, AND MUNICIPAL AGENCIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

FAST — Call before you Underground — 1-702-432-5300 — FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION (FAST)

Call before you Dig — AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. — CALL 811 OR 1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY — CALL BEFORE YOU DO OVERHEAD — 1-702-227-2929

CITY OF LAS VEGAS STREETLIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION (USS), AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION.
2. DESIGN PROFESSIONAL AND CONTRACTORS SHALL VERIFY CITY'S LATEST LED FIXTURE SPECIFICATIONS AND APPROVED FIXTURES PER CLV WEBSITE, UNDER BUILDING AND SAFETY FORMS, PRIOR TO ORDERING MATERIALS.
3. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF TRAFFIC ENGINEERING AND THE CITY ENGINEER. ANY DEVIATIONS FROM THE PLAN LOCATION WILL REQUIRE COMPLIANCE WITH SECTION 623 OF THE USS.
4. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 623 G.03.01 OF THE USS.
5. ALL EMPTY CONDUIT SHALL HAVE AT LEAST ONE GREEN #8 THW WIRE INSTALLED, AS TRACER WIRE IN ACCORDANCE WITH SECTION 623 G.02.01 OF THE USS PRIOR TO BACKFILLING AND FINAL INSPECTION.
6. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN COMPLIANCE WITH THE USD NO. 320A WHEN POLE IS INSTALLED BEHIND SIDEWALK, AND SHALL AT NO TIME COMPLETELY ENCLOSE THE STREET LIGHTING POLE.
7. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TRAFFIC ENGINEERING DIVISION PRIOR TO ANY PRE-FINAL INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.
8. SERVICE POINTS SHALL BE COORDINATED WITH NV ENERGY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICE POINTS SHALL BE SHOWN ON THE CIVIL PLANS.
9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED BEFORE STREETLIGHT BASES ARE INSTALLED. AT NO EXPENSE TO THE CITY OF LAS VEGAS.
10. THE CONTRACTOR SHALL FURNISH COMPLETE CONDUIT, WIRE, ETC. FROM SERVICE TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON THE PLANS.

CITY OF LAS VEGAS TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.
5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL BE FABRICATED WITH DIAMOND GRADE VIP CLASS 6 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS, EXCEPT STREETNAME AND SCHOOL SPEED LIMIT SIGNS, SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM; SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
9. STREET SIGNS AND STOPS SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.
10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.
11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS OTHERWISE DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

LAS VEGAS FIRE & RESCUE GENERAL NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE # 6325 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS.
2. ONLY FIRE HYDRANTS THAT ARE ON THE LAS VEGAS VALLEY WATER DISTRICTS - APPROVED PRODUCTS LIST ARE ALLOWED TO BE INSTALLED.
3. A PERMIT IS REQUIRED FROM LAS VEGAS FIRE AND RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND THE CONTRACTORS MATERIAL TEST CERTIFICATE FOR THE UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK.
4. ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE COMMENCEMENT OF ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW.
5. TO IDENTIFY THE FIRE HYDRANT LOCATIONS, CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF STREET ADJACENT TO THE FIRE HYDRANTS.
6. ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE FOR THE HYDRO TESTS WITH THE PRIOR FIRE PREVENTION APPROVAL.
7. ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A. APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE.
8. PAINTING OF THE CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION.
9. PRIVATE FIRE HYDRANTS SHALL BE PAINTED RED.
10. PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST MUST BE WITNESSED BY LAS VEGAS FIRE AND RESCURE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW.
11. FIRE HYDRANT SPACING SHALL BE AS FOLLOWS:
    - RESIDENTIAL - 500 FT UNSPRINKLERED; 600 FT SPRINKLERED
    - COMMERCIAL - 300 FT UNSPRINKLERED; 400 FT SPRINKLERED
12. WHERE NEW WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT MAXIMUM 1,000 FOOT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 30,000 PER DAY, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS.
13. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF A CUL-DE-SAC OR WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
14. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FEET OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION.
15. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FEET, AS MEASURED BY AN APPROVED ROUTE.
16. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FEET, AS MEASURED BY AN APPROVED ROUTE.
17. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FEET.
18. TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE ARE 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS INSTALLED ON A SINGLE SYSTEM. SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS CAN BE OUT OF SERVICE DUE TO A BREAK IN A WATER MAIN.
19. ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES, AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS.
20. THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12%. ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25 FEET PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%.
21. THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FEET OUTSIDE AND 28 FEET INSIDE TURNING RADIUS.
22. VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13 FEET 6 INCHES.
23. FIRE DEPARTMENT ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 40 FEET FLOW-LINE TO FLOW-LINE WITH PARALLEL PARKING PERMITTED ON BOTH SIDES. NOT LESS THAN 32 FEET WIDE, FLOW-LINE TO FLOW-LINE, WHERE PARKING IS PERMITTED ONLY ON ONE SIDE OF THE FIRE APPARATUS ACCESS ROAD. NOT LESS THAN 24 FEET WIDE, FLOW-LINE TO FLOW-LINE, WHERE NO PARKING IS PERMITTED ON EITHER SIDE. FIRE LANES THROUGH PARKING LOTS SHALL NOT BE LESS THAN 24 FEET.
24. A FIRE DEPARTMENT ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FEET FROM A FIRE DEPARTMENT VEHICLE ACCESS. THIS DISTANCE COULD BE INCREASED TO 250 FEET IF THE BUILDING IS SPRIKLERED.
25. APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 100 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD-ENDS OR WITH A SINGLE POINT OF ACCESS IN EXCESS OF 600 FEET. COMMERCIAL AND INDUSTRIAL DEVELOPMENTS WHERE BUILDINGS EXCEED 2 STORIES OR 30 FEET IN HEIGHT, OR EXCEEDING 62,000 SQUARE FEET IN AREA.
26. ALL DEAD-END FIRE APPARATUS ACCESS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FEET IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND AREA HAVING A MINIMUM DIAMETER OF 81 FEET.
27. ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE, ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS 100 FEET ALONG ALL DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FEET OR LESS THAN 6 FEET FROM ROADWAY LEVEL. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS NOT PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS.
28. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE IFC § 503.6 AND IFC APENDIX M.

LAS VEGAS VALLEY WATER DISTRICT NOTES

LVVWD PROJECT No.: 126407

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
2. ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS). THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
9. ALL WATER FACILITIES AND APPURTENANCES SHALL BE DISINFECTED, PRESSURE TESTED, AND HAVE AN ACCEPTABLE PASSING HEALTH WATER SAMPLE OBTAINED, PRIOR TO OPERATION AND USE.
10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01, AND APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD APPROVED PRODUCT'S LIST FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS BY SUBMITTING SHOP DRAWINGS.
13. TELEPHONE "CALL BEFORE YOU DIG" AT "811" OR 1-800-227-2600.
14. THE INSTALLATION OF LVVWD MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVWD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.

    ANY DECORATIVE PAVING SURFACE WITHIN THE STREET IS THE RESPONSIBILITY OF THE OWNER'S ASSOCIATION, OR THE INDIVIDUAL PROPERTY OWNERS IF NO OWNER'S ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVING JURISDICTION. DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ABUTTING A PUBLIC OR PRIVATE STREET, IF DISTURBED BY THE LVVWD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY LVVWD WITH AN APPROPRIATELY SIZED PLAIN FINISH CONCRETE PATCH. THE LVVWD WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF, ANY DECORATIVE PAVING SURFACE WITHIN THE STREET. THE LVVWD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF ANY ADJACENT MATERIALS.

15. NO LEAD COMPLIANCE NOTE:
    TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER WORKS BRASS PRODUCTS PROPOSED TO BE RELOCATED, OR INSTALLED AS NEW MUST BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEADED PRODUCT MAY NOT BE REUSED.

SOUTHWEST GAS GENERAL NOTES

1. IN THE EVENT OF NATURAL GAS EMERGENCIES CALL 911 AND 1-877-860-6020
2. THERE SHALL BE A MINIMUM HORIZONTAL AND VERTICAL CLEARANCE OF 12-INCHES BETWEEN NATURAL GAS FACILITIES AND ANY UNDERGROUND FACILITIES AND/OR STRUCTURES, INCLUDING BUT NOT LIMITED TO WATER, SEWER, STORM DRAIN, COMMUNICATIONS, AND ELECTRIC.
3. FOR VALVE ADJUSTMENT CONTACT 702-668-6107 48 HOURS PRIOR TO CONSTRUCTION.
4. IN THE EVENT OF A NATURAL GAS CONFLICT WITH PROPOSED UTILITIES AND/OR STRUCTURES CONTACT 702-365-2099

BENCHMARK

CITY OF LAS VEGAS BENCHMARK STATION: 5LV90 24NEE6

RIVET AND PLATE IN THE TOP OF CURB AT THE SOUTHWEST CORNER OF DECATUR BOULEVARD AND DORRELL LANE.

ELEVATION = 702.412 METERS (NAVD'88 2008 ADJUSTMENT)
ELEVATION = 2304.51 US SURVEY FEET (NAV'88 2008 ADJUSTMENT)

BASIS OF BEARING

NORTH 00°47'07" WEST, BEING THE BEARING OF EAST LINE OF THE NORTHEAST QUARTER (NE ¼) OF THE NORTHEAST QUARTER (NE ¼) OF SECTION 24, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS RECORDED IN FILE 106 OF SURVEYS AT PAGE 81, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA.

LEGEND

DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE		
RIGHT OF WAY		
LOT LINE		
CENTERLINE		
EASEMENT LINE		
SAWCUT LINE		
FLOW LINE		
GRADE BREAK		
TYPE "A" CURB		
TYPE "L" CURB & GUTTER		
EDGE OF PAVEMENT		
MAJOR 5' CONTOUR	(2500)	2500
MINOR 1' CONTOUR	(2501)	2501
SCARP (3:1 MAX)		
PROPOSED ASPHALT		
REMOVE AND REPLACE EX. A.C.		
MATCH LINE		
PHASE LINE		
GRADE TAG	(98.72) XX	98.72 XX
SLOPE TAG	1.00%	1.00%
WATER LINE	EX. WATER LINE	
SANITARY SEWER LINE	EX. SEWER LINE	
STORM DRAIN LINE	EX. SD	
OVERHEAD UTILITY LINES	OH	
NATURAL GAS LINE	4"G	4"G
WATER VALVE		
WATER METER		
WATER REDUCER		
FIRE STRIPING		
TYPE II CENTERLINE STRIPING		
LANE STRIPING		
STREETLIGHT CONDUIT		
FIRE DEPARTMENT CONNECTION		
FIRE HYDRANT		
AIR-RELEASE VALVE	A	A
UNDERGROUND POWER VAULT	P	P
UNDERGROUND TELEPHONE VAULT	T	T
UNDERGROUND WATER VAULT	W	W
UNDERGROUND WATER VAULT	TV	TV
TRAFFIC SIGNAL BOX		
GAS METER		
STREET LIGHT		
UTILITY POLE		
STORM DRAIN MANHOLE	D	D
POWER MANHOLE	P	P
SANITARY MANHOLE	S	S
SIGN		

SEWER

DESCRIPTION	UNIT	PUBLIC	PRIVATE
4" SEWER	LF		286
8" SEWER	LF	638	
SEWER MANHOLE 6 TO 18 FEET	EA	4	

WATER

DESCRIPTION	UNIT	PUBLIC	PRIVATE
WATER SERVICE TO LOTS (3/4" METER)	EA	8	
WATER LATERAL	LF	108	
FIRE HYDRANT	EA	3	
WATER MAIN TAP	EA	1	
6" WATER MAIN	LF	99	
8" WATER MAIN	LF	508	
10" WATER MAIN	LF	669	
WATER SERVICE (IRR.) 3/4" METER, 1" RPPA	EA	1	

DESCRIPTION	UNIT	PUBLIC	PRIVATE
CABLE TO LOTS (RES SUBDIV ONLY)	EA	8	
GAS TO LOTS (RES SUBDIV ONLY)	LF	8	
PHONE TO LOTS (RES SUBDIV ONLY)	EA	8	
POWER TO LOTS (RES SUBDIV ONLY)	EA	8	
RELOCATE OVERHEAD POWER	LF	420	

QUANTITIES

DESCRIPTION	UNIT	PUBLIC	PRIVATE
LANDSCAPE WATER SERVICE	EA	1	
TYPE II GRAVEL BASE	CY	615	238
2" ASPHALTIC CONCRETE PAVING	SY		1285
3" ASPHALTIC CONCRETE PAVING	SY	3420	
CURB & GUTTER ("L" & "A")	LF	389	
CURB & GUTTER (30" ROLL TYPE)	LF	80	582
SIDEWALK 4"	SF	2910	2963
CROSS GUTTER	SF	1093	
DRIVEWAY RESIDENTIAL	SF	320	320
SIDEWALK RAMP	EA	3	
SURVEY MONUMENTS	EA	2	
PULL BOX	EA	2	
1 1/4" ST/LT CONDUIT	LF	612	320
STREET LIGHT 200 AMP SERVICE	EA	1	
STREETLIGHT (STANDARD BASE)	EA	4	
STREET/STOP SIGNS	EA	1	3
PAVEMENT STRIPING COLLECTOR	LF	870	

NOTES TO CONTRACTOR

QUANTITIES SHOWN ARE ESTIMATE ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT QUANTITIES INVOLVED.

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.

DEVIATION FROM STANDARDS

NONE

FLOOD ZONE DESCRIPTION:

THIS SITE IS LOCATED IN ZONE "X", AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN, PER THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL 32003C 1765F AND 32003C 2583F CLARK COUNTY, NEVADA DATED NOVEMBER 16, 2011.

FLOOD DESIGNATION PROVIDED BY FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA),

APPROVAL:

[signature] 7/13/18
SOUTHWEST GAS CORPORATION — DATE

APPROVED FOR CONSTRUCTION

[signature]
Las Vegas Valley Water District Engineering Services

Project No. 126407 First Approved Date: 10-10-18

ABBREVIATIONS

ABAN	ABANDON
AC	ASPHALTIC CONCRETE PAVEMENT
ACP	ASBESTOS CEMENT PIPE
AGG	AGGREGATE
AIP	ABANDON IN PLACE
ALT	ALTERNATE
AP	ANGLE POINT
BC	BACK OF CURB
BCR	BACK OF CURB RETURN
BL	BOUNDARY LINE
BM	BENCHMARK
BVC	BEGINNING VERTICAL CURVE
CIP	CAST IRON PIPE
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CONST	CONSTRUCT
CULV	CULVERT
CY	CUBIC YARD
C&G	CURB AND GUTTER
℄	CENTERLINE
DI	DROP INLET
DIA	DIAMETER
DWY	DRIVEWAY
E	ELECTRIC
EC	END OF CURVE
ECR	END OF CURB RETURN
EG	EXISTING GROUND
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EVC	END VERTICAL CURVE
EXIST	EXISTING
E/O	EAST OF
FA	FIRE ALARM
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE GRADE
FS	FINISH SURFACE
FT	FEET/FOOT
F.A.S.T	FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
GALV	GALVANIZED
GB	GRADE BREAK
GM	GAS METER
GUT	GUTTER
HDWL	HEADWALL
IN	INCH
INT	INTERSECTION
INV	INVERT
ISL	ISLAND
JB	JUNCTION BOX
LF	LINEAR FEET
LOC	LENGTH OF CURB
LT	LEFT
LVVWD	LAS VEGAS VALLEY WATER DISTRICT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
NAPOTS	NOT A PART OF THIS SUBDIVISION
NAVD	NORTH AMERICAN VERTICAL DATUM
NTS	NOT TO SCALE
N/O	NORTH OF
OC	ON CENTER
P	POWER
P.A.E.	PEDESTRIAN ACCESS EASEMENT
PB	PULL BOX
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PI	POINT OF INTERSECTION
PP	POWER POLE
PRC	POINT TOF REVERSE CURVE
PROP	PROPOSED
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
ℙ	PROPERTY LINE
R	RADIUS
RC	REINFORCED CONCRETE
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCEMENT
RELOC	RELOCATE
RP	RADIUS POINT
RT	RIGHT
RVC	REVERSE VERTICAL CURVE
R/W	RIGHT OF WAY
SD	STORM DRAIN
SF	SQUARE FEET
SHP	STEEL HIGH-PRESSURE PIPE
SHT	SHEET
SS	SANITARY SEWER
STA	STATION
STD	STANDARD
STLT	STREETLIGHT
STRUCT	STRUCTURE
SURV	SURVEY
SW	SIDEWALK
SY	SQUARE YARD
T	TELEPHONE
TC	TOP OF "L" CURB
TRC	TOP OF "R" CURB
TCD	TECHNICAL DRAINAGE STUDY
TEMP	TEMPORARY
TF	TOP OF FOOTING
TOP	TOP OF PIPE
TRANS	TRANSITION
TS	TRAFFIC SIGNAL
TSI	TRAFFIC SIGNAL INTERCONNECT
TW	TOP OF RETAINING WALL
TYP	TYPICAL
UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS
UG	UNDERGROUND
VC	VERTICAL CURVE
VERT	VERTICAL
VG	VALLEY GUTTER
WL	WATER
WM	WATER METER

Actus
3203 E. Warm Springs Rd., Suite 400
Las Vegas, NV 89120
www. Actus-NV.com
(702) 586-9296
Engineering - Surveying - Consulting - Planning

NOTES
DECATUR & DONALD III
BEAZER HOMES
CITY OF LAS VEGAS, NEVADA

#	DATE	DESCRIPTION	BY

PROFESSIONAL ENGINEER — STATE OF NEVADA — DARRYL C. LATTIMORE — EXP: 12/31/19 — CIVIL — No. 17516 — 7/12/18

DATE	07-12-2018
DRAWN	BP/RP
DESIGNED	BP
CHECKED	DCL
PROJECT #	BZR011801

SHEET TITLE
NOTES

SHEET NUMBER 107Y5088

C2

L18-00852 SHEET 2 OF 10

PROJ#:126407-A QS:125-24-NE

Plot Stamp: 7/12/2018 6:32:30 AM - Brad Proudfit
File: P:\BZR011802 - Decatur Donald III\Civil_CD\BZR011801-CD-COV.dwg, Tab: C2

SCALE: 1"=30'

30 15 0 30

NOTE:

CONSTRUCTION OF BLOCK WALLS REQUIRES A SEPERATE BUILDING PERMIT AND APPROVAL BY THE BUILDING DEPARTMENT.

GRADING NOTE

1. ACTUS SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.
2. CONSTRUCTION OF BLOCK WALLS REQUIRES A SEPARATE BUILDING PERMIT AND APPROVAL BY THE BUILDING DEPARTMENT.
3. 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.

CONSTRUCTION NOTES

1. CONSTRUCT "L" CURB AND GUTTER PER CCAUSD #216
2. CONSTRUCT "R" CURB AND GUTTER PER CCAUSD 217.3.S1
3. CONSTRUCT 5' WIDE SIDEWALK PER CCAUSD #234.
4. CONSTRUCT 8' CROSS GUTTER PER CCAUSD #228.
5. CONSTRUCT RESIDENTIAL DRIVEWAY PER CCAUSD #223, #223.1, AND DETAIL "5" ON SHEET C4
6. REMOVE AND REPLACE EXISTING AC PAVEMENT. MATCH EXISTING SECTION
7. SIDEWALK RAMP PER CCAUSD #235 CASE I. "A" & "B" = 8' UNLESS OTHERWISE NOTED.
8. CONSTRUCT PAD PER TYPICAL PAD SECTION DETAIL "1" ON SHEET C4
9. SAWCUT EXISTING A.C. PAVEMENT PER PLAN
10. INSTALL 3.5" AC OVER 5" TYPE II AGGREGATE BASE
11. 5' TRANSITION "L" CURB TO "R" CURB PER DETAIL "3" ON SHEET C4
12. INSTALL 2.5" AC OVER 4.5" TYPE II AGGREGATE BASE
13. CONSTRUCT HALF STREET CROSS GUTTER PER CCAUSD #229
14. ADJUST EXISTING UTILITY TO GRADE
15. EXISTING POWER POLE TO BE REMOVED. SEE NV ENERGY PLANS

Curve Table

Curve #	Length	Radius	Delta
C12	8.98'	15.00'	34.31°
C13	9.65'	15.00'	36.87°
C14	28.72'	123.50'	13.32°
C15	21.20'	76.50'	15.88°
C16	19.42'	15.00'	74.17°
C17	58.90'	45.50'	74.17°
C18	71.47'	45.50'	90.00°
C19	71.33'	45.50'	89.82°
C20	34.23'	123.50'	15.88°
C21	17.79'	76.50'	13.32°
C22	23.56'	15.00'	90.00°
C23	23.26'	100.00'	13.32°
C24	27.72'	100.00'	15.88°
C25	63.60'	88.00'	41.41°

SOILS NOTE

ALL GRADING SHALL CONFORM TO GEOTECHNICAL REPORT
BY: WRIGHT ENGINEERS
ORIGINAL PROJECT NUMBER: 171053
DATED: MAY 19, 2017

FLOOD ZONE DESCRIPTION:

THIS SITE IS LOCATED IN ZONE "X", AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN, PER THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL 32003C 1765F AND 32003C 2583F CLARK COUNTY, NEVADA DATED NOVEMBER 16, 2011.

FLOOD DESIGNATION PROVIDED BY FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA).

BENCHMARK

CITY OF LAS VEGAS BENCHMARK STATION: 5LV90 24NEE6

RIVET AND PLATE IN THE TOP OF CURB AT THE SOUTHWEST CORNER OF DECATUR BOULEVARD AND DORRELL LANE.

ELEVATION = 702.412 METERS (NAVD'88 2008 ADJUSTMENT)
ELEVATION = 2304-51 US SURVEY FEET (NAV'88 2008 ADJUSTMENT)

BASIS OF BEARING

NORTH 00°47'07" WEST, BEING THE BEARING OF EAST LINE OF THE NORTHEAST QUARTER (NE ¼) OF THE NORTHEAST QUARTER (NE ¼) OF SECTION 24, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS RECORDED IN FILE 106 OF SURVEYS AT PAGE 81, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA.

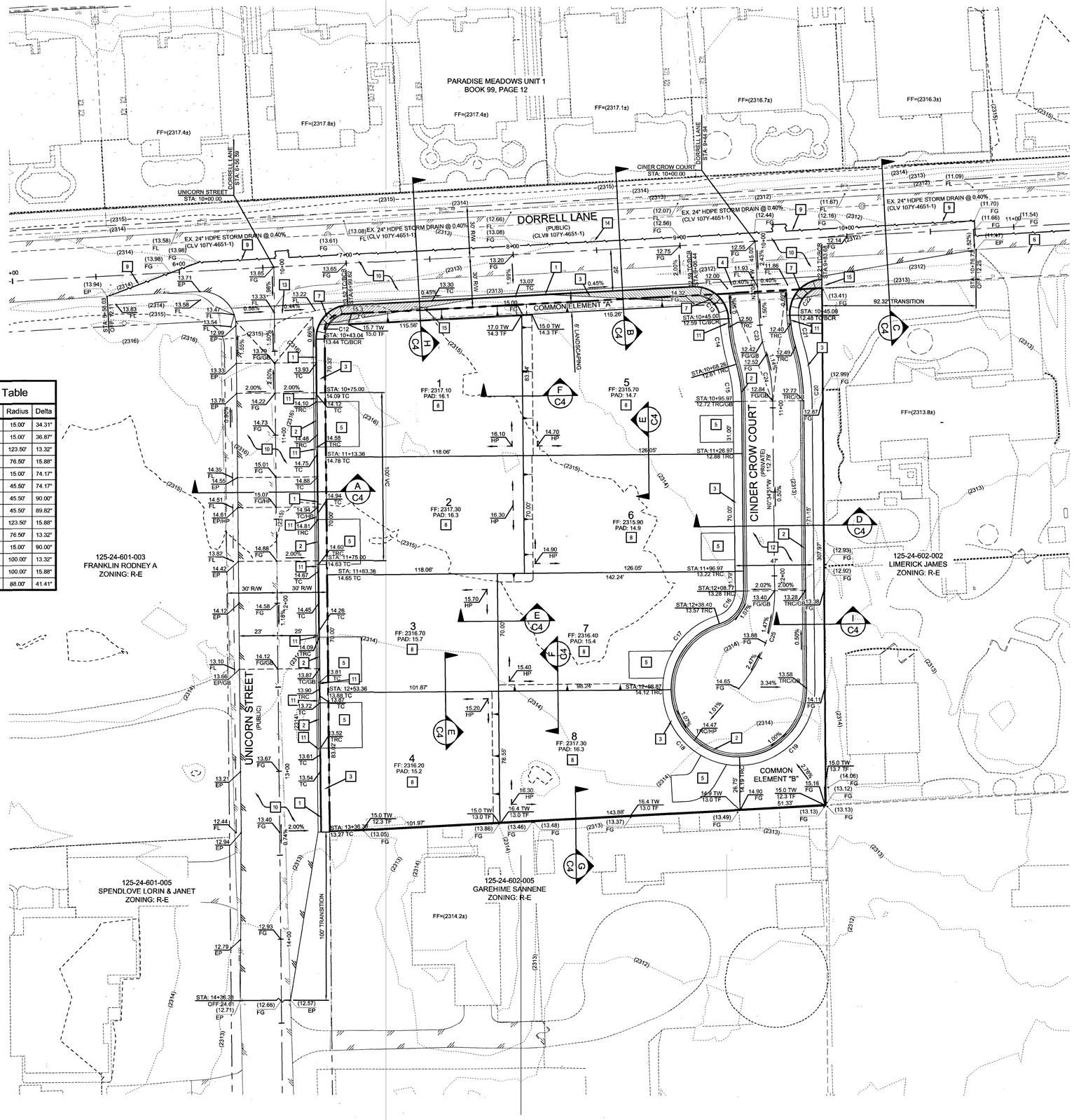
DISCLAIMER NOTE

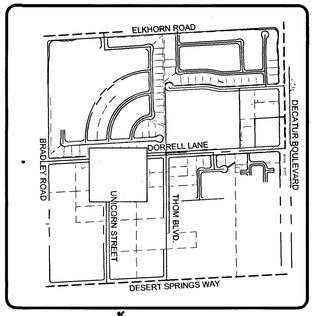
THE UNDERGROUND UTILITIES AS SHOWN HEREON HAVE BEEN LOCATED FROM OBSERVED FIELD SURVEY EVIDENCE AND EXISTING DRAWINGS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: PLANS PROVIDED BY THE CLIENT, UTILITY COMPANIES, AND MUNICIPAL AGENCIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

FAST
Call before you Dig
Underground
1-702-432-5300
FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION (FAST)

Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL
811
OR
1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929





KEY MAP
SCALE: NTS

LEGEND

PROPOSED	EXISTING	
		EXISTING RIGHT-OF-WAY
		PROPOSED LOT LINE
		PROPOSED PROPERTY BOUNDARY LINE
		PROPOSED RIGHT-OF-WAY
		EASEMENT LINE
		CENTER LINE
		EDGE OF ASPHALT
		CURB & GUTTER
		RETAINING WALL
		SAWCUT LINE
		FLOW LINE
		GRADE BREAK
2500	(2500)	MAJOR 5' CONTOUR
2501	(2501)	MINOR 1' CONTOUR
		SCARP (3:1 MAX)
		CONCRETE SIDEWALK/ VALLEY GUTTER
		PROPOSED ASPHALT
		REMOVE AND REPLACE ASPHALT
		PHASE LINE
		CUT / FILL LINE
[98.72] XX		FUTURE GRADE TAG
(98.72) XX		EXISTING GRADE TAG
98.72 XX		PROPOSED GRADE TAG
FF		FINISHED FLOOR
TC		TOP OF "L" CURB
TRC		TOP OF "R" CURB
AC		TOP OF PAVEMENT
FL		FLOW LINE GRADE
EP		EDGE OF PAVEMENT
TB		TOP OF BERM
TW		TOP OF RETAINING WALL
TF		TOP OF WALL FOOTING
1.00%		GRADE SLOPE
1 D1		SECTION MARKER-DETAIL NUMBER ABOVE SHEET NUMBER

ESTIMATED QUANTITIES

NOTE: QUANTITIES SHOWN ARE RAW QUANTITIES AND APPROXIMATE. CONTRACTOR TO DETERMINE HIS OWN QUANTITIES FOR GRADING PURPOSES.

WORK UNDER THIS PLAN CONSTITUTES GRADING IN ACCORDANCE WITH 2009 IBC; ENGINEERING REPORTS AND CERTIFICATIONS IN CONFORMANCE WITH IBC SHALL BE FILED WITH THE COUNTY PRIOR TO COUNTY APPROVAL AT FINAL INSPECTION.

CUT: 1,777 CY
FILL: 2,166 CY
NET: 389 CY (FILL)

SIGHT VISIBILITY RESTRICTION ZONES

CCAUSD DWG. NO. 201.2

SIGHT VISIBILITY ZONE NOTE

NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS, TREES, AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM TOP OF CURB, OR WHERE NO CURB EXISTS, A HEIGHT OF 27 INCHES MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG THE SIGHT VISIBILITY LINE THROUGH LANDSCAPED MEDIANS.

REFER TO TRAFFIC SHEET C10 FOR SIGHT VISIBILITY ZONE DIMENSIONS.

PRIVATE STREET NOTE:

ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

ENGINEER'S CERTIFICATION

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED UPDATED DRAINAGE STUDY ON FILE WITH THE CITY OF LAS VEGAS FOR CLV# DS4961C

DARRYL LATTIMORE, P.E. — DATE 7/12/18

Actus
3203 E. Warm Springs Rd., Suite 400
Las Vegas, NV 89120
www.actus-nv.com
(702) 558-9296
Engineering - Surveying - Consulting - Planning

GRADING PLAN
DECATUR & DONALD III
BEAZER HOMES
CITY OF LAS VEGAS, NEVADA

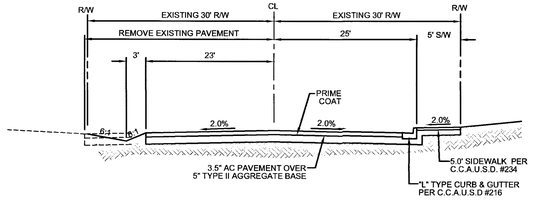
#	DATE	DESCRIPTION	BY

PROFESSIONAL ENGINEER — STATE OF NEVADA — DARRYL C. LATTIMORE — EXP: 12/31/19 — CIVIL — No. 17516 — 7/12/18

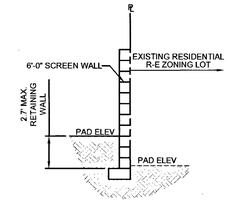
DATE	07-12-2018
DRAWN	BP/RP
DESIGNED	BP
CHECKED	DCL
PROJECT #	BZR011801

SHEET TITLE: GRADING PLAN
SHEET NUMBER: 107Y5088
C3
L18-00852 SHEET 3 OF 10

Plot Stamp: 7/12/2018 6:34:26 AM - Brad Prouoff
File: P:\BZR011801\2 - Decatur Donald III\CIVIL\CD\BZR011801-CD-GRAD.dwg, Tab: C3



A UNICORN STREET SECTION (PUBLIC)
NOT TO SCALE

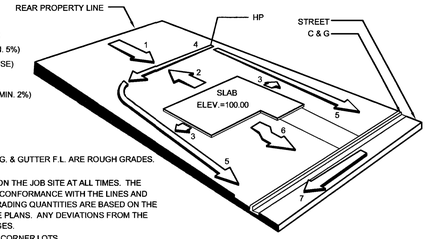


G SOUTH PROPERTY LINE SECTION
NOT TO SCALE

WALL NOTES

1. WALL DETAILS ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE A STRUCTURAL DESIGN.
2. CONSTRUCTION OF BLOCK WALLS REQUIRE A SEPARATE BUILDING PERMIT AND APPROVAL BY THE BUILDING DEPARTMENT.
3. ALL PERIMETER WALLS TO BE CONSTRUCTED WITH DECORATIVE BLOCK FACING THE PUBLIC R.O.W.

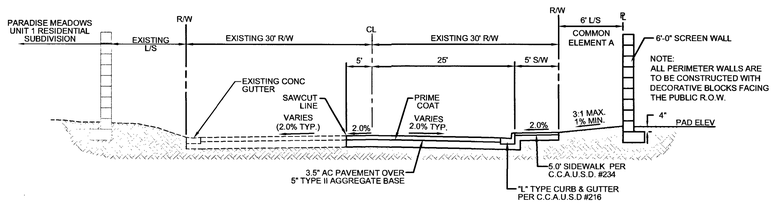
1. SLOPE FROM REAR TO SWALE
2. SLOPE FROM HOUSE TO SWALE (MIN. 5%)
3. SLOPE FROM HOUSE TO SIDE SWALE (MIN. 5%)
4. REAR SWALE (5' MIN. FROM REAR OF HOUSE)
5. SIDE SWALE
6. SLOPE FROM HOUSE TO BACK OF CURB (MIN. 2%)
7. SLOPE OF STREET



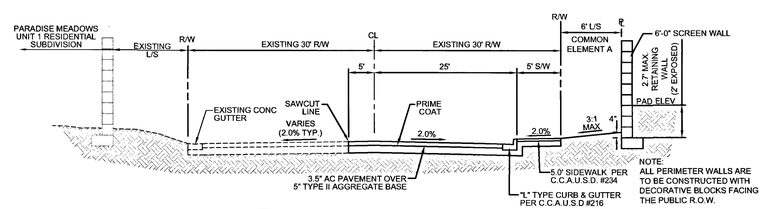
PERSPECTIVE VIEW

A. INDICATED GRADES OTHER THAN T.C., F.G. & GUTTER F.L. ARE ROUGH GRADES. (0.3' LOWER THAN FINISHED GRADE).
B. THE ROUGH GRADING PLANS SHALL BE ON THE JOB SITE AT ALL TIMES. THE ROUGH GRADING SHALL BE FINISHED IN CONFORMANCE WITH THE LINES AND GRADES SHOWN ON THE PLANS. THE GRADING QUANTITIES ARE BASED ON THE ELEVATION AND DETAILS SHOWN ON THE PLANS. ANY DEVIATIONS FROM THE PLANS WILL RESULT IN QUANTITY CHANGES.
C. CARE SHALL BE EXERCISED IN GRADING CORNER LOTS.
D. ROUGH PAD ELEVATIONS SHALL BE GRADED TO WITHIN 0.3' OF THE PAD ELEVATIONS SHOWN ON THE PLANS.

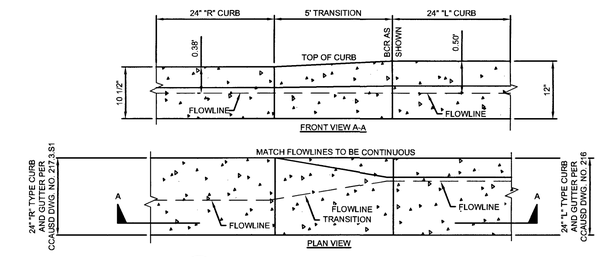
1 TYPE "A" PAD GRADING DETAIL TYP.
NOT TO SCALE



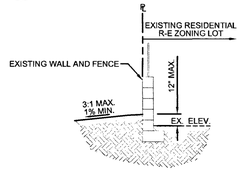
B DORRELL LANE SECTION (PUBLIC)
NOT TO SCALE



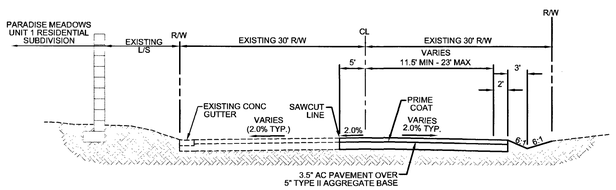
H DORRELL LANE SECTION
NOT TO SCALE



3 5' "L" CURB TO "R" CURB TRANSITION
NOT TO SCALE



I EASTERN PROPERTY LINE SECTION
NOT TO SCALE



C DORRELL LANE SECTION (PUBLIC)
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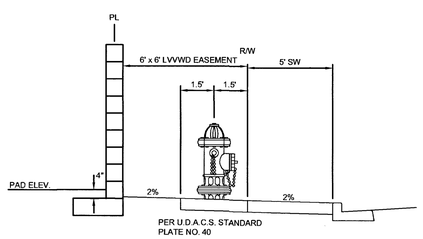
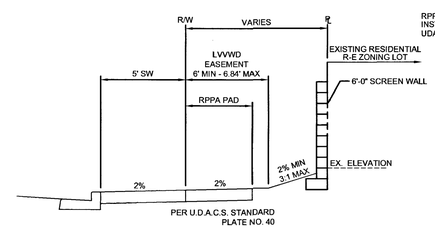
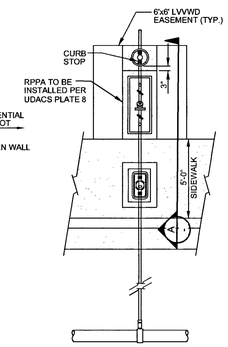
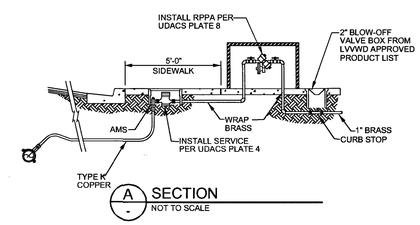


6 FIRE HYDRANT DETAIL WITH 6' X6' LVVWD EASEMENT
NOT TO SCALE



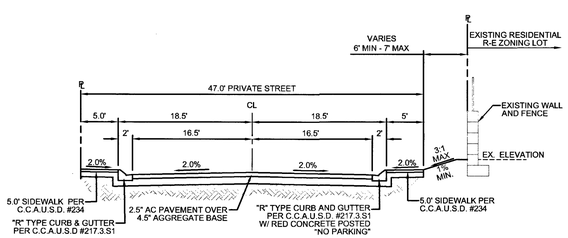
7 6' X6' LVVWD EASEMENT FOR IRR. RPPA
NOT TO SCALE



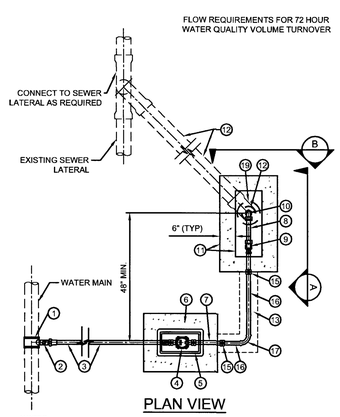


A SECTION
NOT TO SCALE

4 METER WITH RPPA PER UDACS PLATE #4 AND #8 AND CURB STOP
NOT TO SCALE



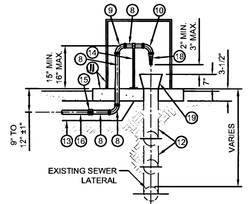
D 47' (PRIVATE) STREET SECTION
NOT TO SCALE



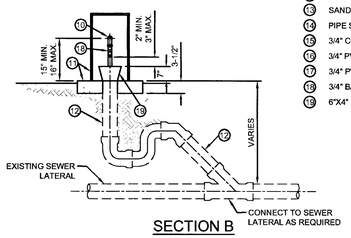
PLAN VIEW

NOTES:

1. AN EASEMENT MAY BE REQUIRED FOR ASSEMBLIES LOCATED BEHIND EXISTING RIGHT-OF-WAY.
2. EXISTING SIDEWALK PANELS REMOVED FOR INSTALLATION ARE TO BE REPLACED TO NEAREST WEAKENED PLANE JOINT AS REQUIRED (TYP).



SECTION A



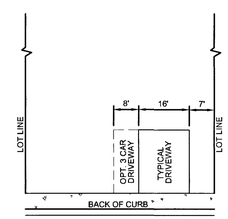
SECTION B

FLUSHING VALVE ASSEMBLY
NOT TO SCALE

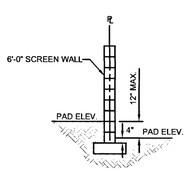
FLUSHING VALVE TO BE REMOVED UPON DEVELOPMENT OF LOT

LEGEND

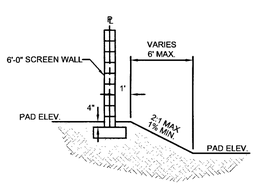
1. SERVICE SADDLE
2. CORPORATION STOP
3. SERVICE LATERAL
4. 3/4" WATER METER
5. METER BOX
6. CONCRETE COLLAR OR SIDEWALK PANEL
7. TAILPIECE
8. 3/4" BRASS PIPE THREADED ON BOTH ENDS (LENGTH AS REQUIRED)
9. 3/4" BRASS 90° BEND (FEMALE THREAD X FEMALE THREAD)
10. 3/4" BRASS 90° BEND (FEMALE THREAD X MALE THREAD), FOR FLUSHING VALVE CONNECTION
11. APPROVED FIBERGLASS ENCLOSURE AND CONCRETE PAD (ANCHOR TO CONCRETE PAD PER MANUFACTURERS REQUIREMENTS)
12. 4" PVC SEWER LATERAL
13. SAND BACKFILL FULL WIDTH OF TRENCH
14. PIPE SUPPORT AS REQUIRED
15. 3/4" COUPLING
16. 3/4" PVC PIPE (SCH 40), LENGTH AS REQUIRED
17. 3/4" PVC (SCH 40) 90° BEND
18. 3/4" BALL VALVE (APOLLO MODEL 77CLF-100)
19. 6"X4" PVC REDUCER



5 TYP. DRIVEWAY DETAIL
NOT TO SCALE



E LOT LINE SECTION
NOT TO SCALE



F LOT LINE SECTION
NOT TO SCALE

APPROVED FOR CONSTRUCTION

Las Vegas Valley Water District Engineering Services

Project No. 126407 First Approved Date: 10-10-18

Actus
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Las Vegas, NV 89120
www.Actus-NV.com
(702) 586-9296
Engineering - Surveying - Consulting - Planning

#	DATE	DESCRIPTION	BY

DETAILS AND SECTIONS
DECATUR & DONALD III
BEAZER HOMES
CITY OF LAS VEGAS, NEVADA

PROFESSIONAL ENGINEER STATE OF NEVADA
DARRYL C. LATTIMORE
EXP: 12/31/19
CIVIL
No. 17516
10/10/18

DATE	09-17-2018
DRAWN	BP/RP
DESIGNED	BP
CHECKED	DCL
PROJECT #	BZR011801

SHEET TITLE
DETAILS AND SECTIONS

SHEET NUMBER 10775088
C4
18-00852
SHEET 4 OF 10

PROJ#:126407-A QS:125-24-NE

Plot Stamp: 9/17/2018 1:30:09 PM - Brad Proudfit
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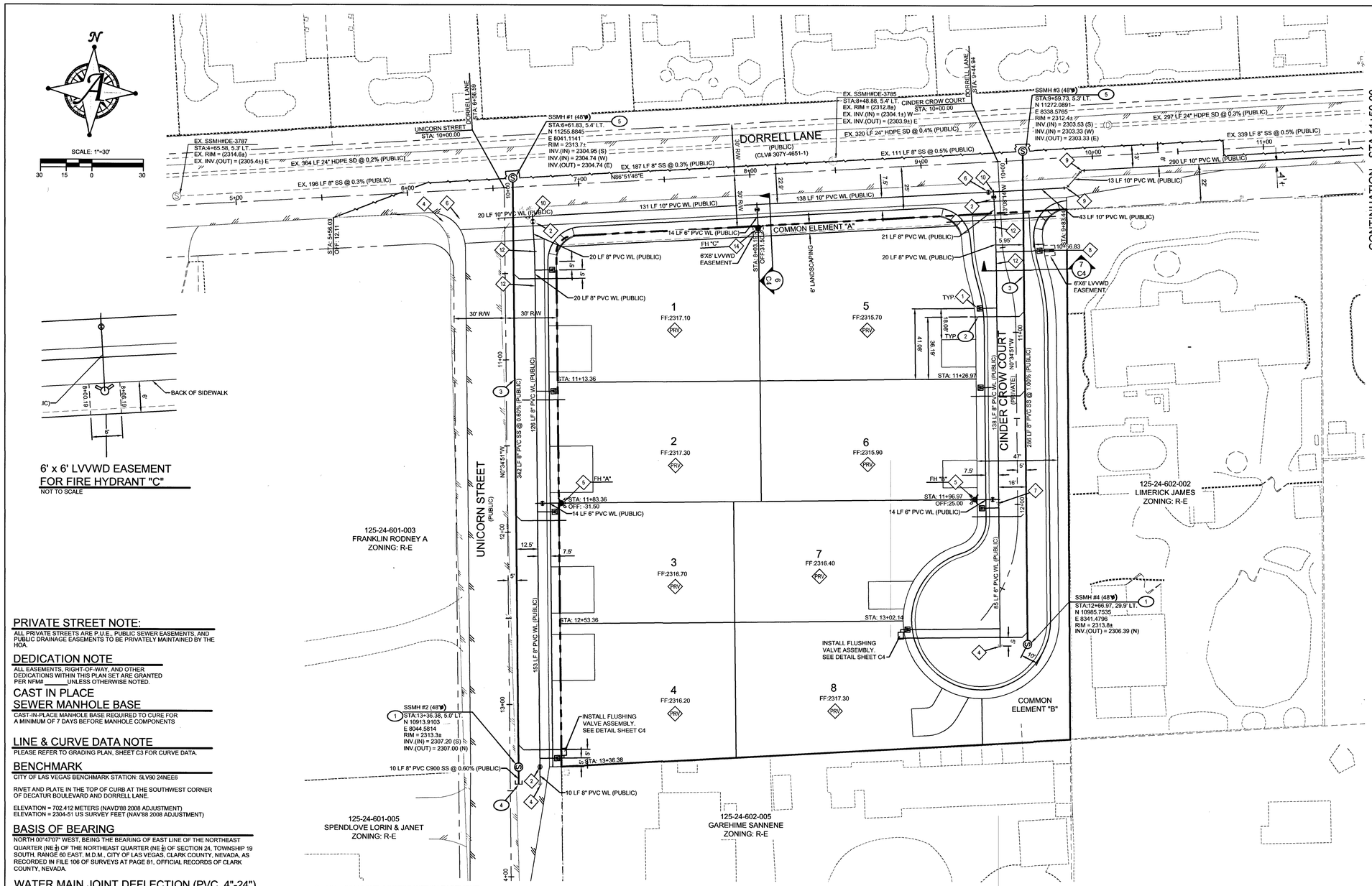
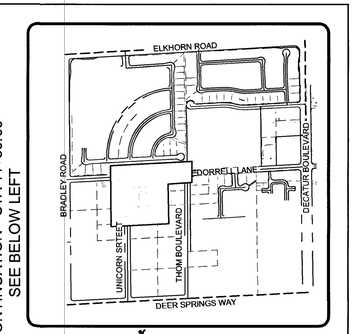




KEY MAP
SCALE: NTS

UTILITY LEGEND

- EXISTING RIGHT-OF-WAY
- PROPOSED LOT LINE
- PROPOSED PROPERTY BOUNDARY LINE
- PROPOSED RIGHT-OF-WAY
- MATCHLINE
- EXISTING WATER LINE (SIZE PER PLAN)
- EXISTING SEWER LINE (SIZE PER PLAN)
- PROPOSED WATER LINE (SIZE PER PLAN)
- PROPOSED SANITARY SEWER LINE (SIZE PER PLAN)
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER METER
- PROPOSED REDUCER
- EXISTING WATER VALVE
- PROPOSED SEWER MANHOLE
- PROPOSED SEWER WYE (SIZE AND DIRECTION PER PLAN)
- EXISTING SEWER MANHOLE
- EXISTING LIGHT W/ POLE & BASE

ESTIMATED AVERAGE DAILY SEWER CONTRIBUTIONS:

8 UNITS X 250 GPD/UNIT	2,000 GPD
TOTAL AVG. CONTRIBUTION	0.002 MGD
TOTAL PEAK FLOW	0.009 MGD

FIRE FLOW CALCULATION

USE/OCCUPANCY: R-3
TYPE OF CONSTRUCTION: VB
FIRE FLOW: 1750 GPM @ 20 PSI
AUTOMATIC FIRE SPRINKLERS: NO
NFPA 13: ___ 13R: ___ 13D: ___ ESFR: ___
SQUARE FOOTAGE: 24800 SF
LARGEST AREA BETWEEN 4 HOUR WALLS: N/A
BUILDING HEIGHT: < 35'
OF STORIES INCLUDING BASEMENT: 2
HIGH PILED COMBUSTIBLE STORAGE: NO
OF HYDRANTS INSTALLED: 3

RJH 10/4/18

WATER CONSTRUCTION NOTES

1. INSTALL 3/4" WATER METER (DOMESTIC) COMPLETE WITH 1" COPPER WATER SERVICE LINE WITH SERVICE SADDLE AND CORPORATION STOP PER UDACS PLATE 1
2. INSTALL 8" GATE VALVE PER UDACS PLATE 30 AND 39
3. INSTALL 8"X 8" TAPPING TEE W/ 8" TAPPING VALVE PER UDACS PLATE 30; 39, AND 24 AND SECTION 2.24.01A
4. INSTALL CAP WITH 2" BLOW-OFF ASSEMBLY PER UDACS PLATE 36
5. INSTALL FIRE HYDRANT ASSEMBLY WITH 8"X6" TEE AND 6" GATE VALVE PER UDACS PLATE 40, CONDITION G
6. INSTALL 10" GATE VALVE PER UDACS PLATE 30 AND 39
7. INSTALL 8"X6" REDUCER PER UDACS PLATE 30 AND 39
8. INSTALL 1" WATER METER AND 1" RPPA (IRRIGATION) PER UDACS PLATE 4, 8, AND DETAIL 4/C4
9. INSTALL 10" 45° BEND PER UDACS PLATE 31
10. INSTALL 10" X 8" TEE PER UDACS PLATE 31
11. INSTALL 3" IRRIGATION SLEEVES
12. 1" DEFLECTION AT PIPE JOINTS PER UDACS SECTION 2.07
13. INSTALL 10"X8" REDUCER PER UDACS PLATE 30 AND 39
14. INSTALL FIRE HYDRANT ASSEMBLY WITH 10"X6" TEE AND 6" GATE VALVE PER UDACS PLATE 40, CONDITION G

PRV. PRESSURE REDUCING VALVE

SEWER CONSTRUCTION NOTES

1. INSTALL 48" STANDARD PRECAST MANHOLE PER DCSWCS DWG SD-1A, SD-1B, SD-4 & SD-5 WITH SINGLE 24" LID
2. INSTALL 4" PVC SEWER LATERAL @ MINIMUM 2.0% SLOPE, 4" SEWER WYE & MARKER BALL PER DCSWCS SD-22, SD-25 & SD-17. STUB AND CAP 4" SEWER LATERAL 5' PAST PROPERTY LINE.
3. INSTALL SEWER PIPE IN TRENCH & BACKFILL (60' OR LESS R/W) PER DCSWCS NO. SD-15 & SD-17
4. INSTALL 8" CAP WITH 1 FT CONCRETE THRUST BLOCK ON SEWER STUB, PER DCSWCS SEC. 2.2.5
5. INSTALL 48" CAST IN PLACE MANHOLE PER DCSWCS DWG SD-4, SD-5 & SD-7. SEE CAST IN PLACE MANHOLE NOTE THIS SHEET. WITH SINGLE 24" LID

PRIVATE STREET NOTE:

ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

DEDICATION NOTE

ALL EASEMENTS, RIGHT-OF-WAY, AND OTHER DEDICATIONS WITHIN THIS PLAN SET ARE GRANTED PER NFM# _____UNLESS OTHERWISE NOTED.

CAST IN PLACE SEWER MANHOLE BASE

CAST-IN-PLACE MANHOLE BASE REQUIRED TO CURE FOR A MINIMUM OF 7 DAYS BEFORE MANHOLE COMPONENTS

LINE & CURVE DATA NOTE

PLEASE REFER TO GRADING PLAN, SHEET C3 FOR CURVE DATA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK STATION: 5LV90 24NEE6

RIVET AND PLATE IN THE TOP OF CURB AT THE SOUTHWEST CORNER OF DECATUR BOULEVARD AND DORRELL LANE.

ELEVATION = 702.412 METERS (NAVD'88 2008 ADJUSTMENT)
ELEVATION = 2304-51 US SURVEY FEET (NAV'88 2008 ADJUSTMENT)

BASIS OF BEARING

NORTH 00°47'07" WEST, BEING THE BEARING OF EAST LINE OF THE NORTHEAST QUARTER (NE ¼) OF THE NORTHEAST QUARTER (NE ¼) OF SECTION 24, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS RECORDED IN FILE 106 OF SURVEYS AT PAGE 81, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA.

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 CHANGED IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION FITTINGS SHALL BE USED.

FOR ALL DRY UTILITY CROSSINGS

- MAINTAIN MINIMUM 12' VERTICAL SEPARATION AT ALL POINT OF CROSSINGS
- MAINTAIN 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.

DISCLAIMER NOTE

THE UNDERGROUND UTILITIES AS SHOWN HEREON HAVE BEEN LOCATED FROM OBSERVED FIELD SURVEY EVIDENCE AND EXISTING DRAWINGS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: PLANS PROVIDED BY THE CLIENT, UTILITY COMPANIES, AND MUNICIPAL AGENCIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

FAST
Call before you Dig
Underground
1-702-432-5300
FREEWAY & ARTERIAL SYSTEMS OF TRANSPORTATION (FAST)

Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL
OR
1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

TO ENSURE LVVWD ACCESS WITHIN EASEMENT

ALL ABOVE GROUND OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO LANDSCAPE BOULDERS, FENCES / WALLS, AND SIGNS ARE STRICTLY PROHIBITED IN EASEMENT

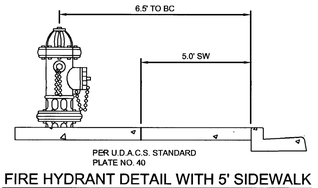
PROTECT IN PLACE AND ADJUST LVVWDEXISTING FACILITIES TO FINISHED GRADE PER UDACS. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

NOTE

LVVWD IS NOT RESPONSIBLE FOR WATER SERVICE LATERALS PAST LVVWD METER AND OR BACKFLOW.

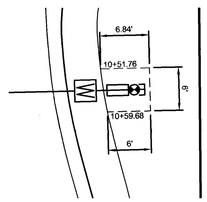
LOTS 1 THRU 8 & IRRIGATION METER

THIS PROPERTY MAY HAVE STATIC PRESSURE IN EXCESS OF 80 PSI. THE UNITOFRM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE) PRESSURE REDUCING VALVES (PRV) BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVLOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.

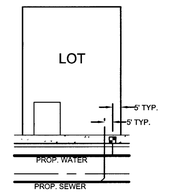


PER U.D.A.C.S. STANDARD PLATE NO. 40

FIRE HYDRANT DETAIL WITH 5' SIDEWALK
NOT TO SCALE



6' x 6' LVVWD EASEMENT FOR IRRIGATION RPPA
NOT TO SCALE



TYPICAL UTILITY LOCATION
NOT TO SCALE

LAS VEGAS FIRE & RESCUE — DATE 7/25/18

APPROVAL:
SOUTHWEST GAS CORPORATION — DATE 7/13/18

APPROVED FOR CONSTRUCTION
Las Vegas Valley Water District Engineering Services
Project No. 126407 First Approved Date: 10-10-18
LVVWD Approved Fire Flow 1750 GPM at 20 PSI Residual
Maximum Available Fire Sprinkler Flow N/A GPM

Actus
3203 E. Warm Springs Rd., Suite 400
Las Vegas, NV 89120
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Engineering - Surveying - Consulting - Planning

UTILITY PLAN
DECATUR & DONALD III
BEAZER HOMES
CITY OF LAS VEGAS, NEVADA

#	DATE	DESCRIPTION	BY

PROFESSIONAL ENGINEER — DARRYL C. LATTIMORE — EXP. 12/31/19 — CIVIL — No. 17518 — STATE OF NEVADA
7/12/18

DATE	07-12-2018
DRAWN	BP/RP
DESIGNED	BP
CHECKED	DCL
PROJECT #	BZR011801

SHEET TITLE: UTILITY
SHEET NUMBER: 10745088
C5
L18-00852 SHEET 5 OF 10

PROJ#:126407-A QS:125-24-NE

Plot Stamp: 7/12/2018 6:44:24 AM - Brad Proudfit
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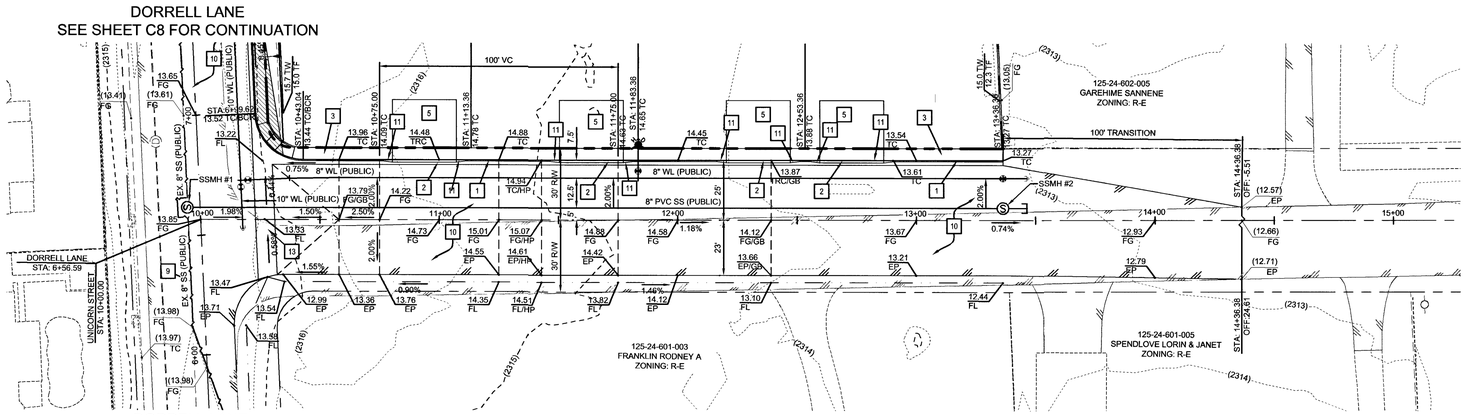
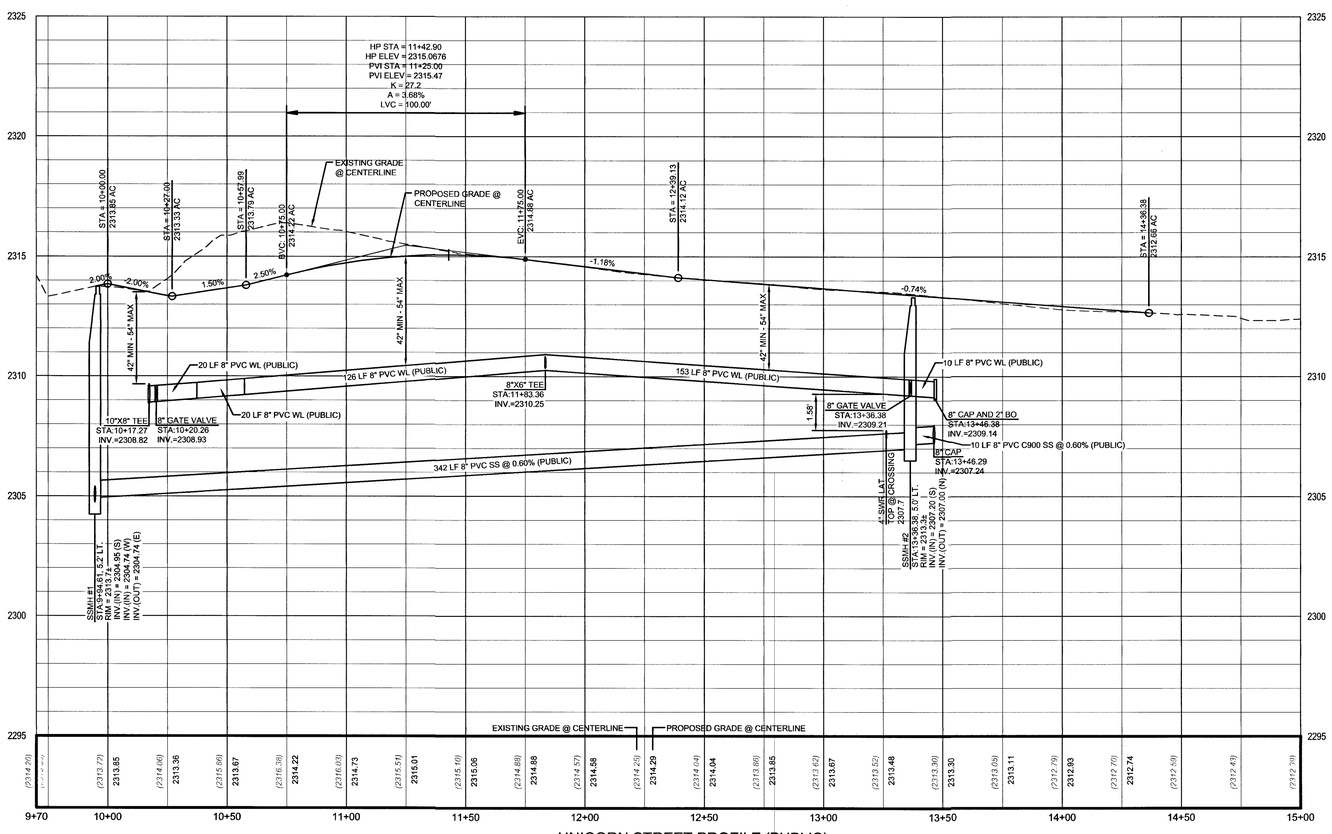


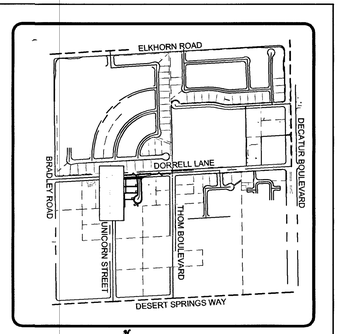
UNICORN STREET PLAN (PUBLIC)

SCALE: 1"=30'



UNICORN STREET PROFILE (PUBLIC)

SCALE: 1"=30' - HORZ
1"=3' - VERT



KEY MAP

SCALE: NTS

LEGEND

PROPOSED	EXISTING	
		PROPERTY LINE / ROW LINE
		EASEMENT LINE
		CENTER LINE
		EDGE OF ASPHALT
		CURB & GUTTER
		RETAINING WALL
		SAWCUT LINE
		FLOW LINE
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2500	(2500)	MAJOR 5' CONTOUR
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98.72 XX		PROPOSED GRADE TAG
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TB		TOP OF BERM
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CITY OF LAS VEGAS BENCHMARK STATION: 5LV90 24NEE6

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Project No. 126407 First Approved Date: 10-10-18

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DATE	DESCRIPTION	BY

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DARRYL C. LATTIMORE
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No. 17516
STATE OF NEVADA
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DATE	07-12-2018
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PROJECT #	BZR011801

SHEET TITLE: PLAN AND PROFILE

SHEET NUMBER 10725058

C6

L18-00852 SHEET 6 OF 10

PROJ.#:126407-A QS:125-24-NE

Plot Stamp: 7/13/2018 8:11:48 AM - Brad Prouoitt
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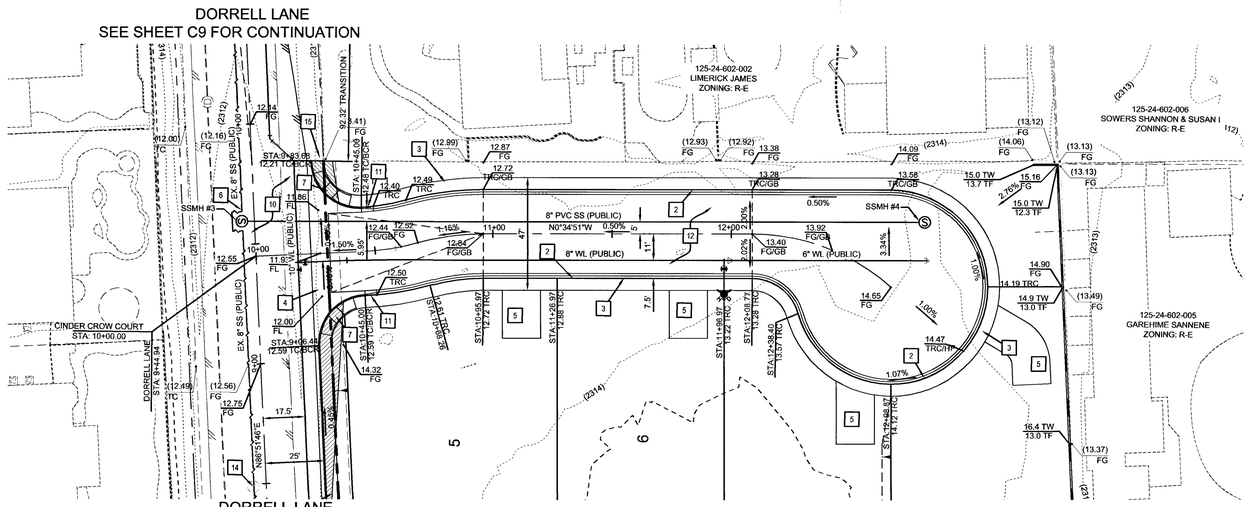
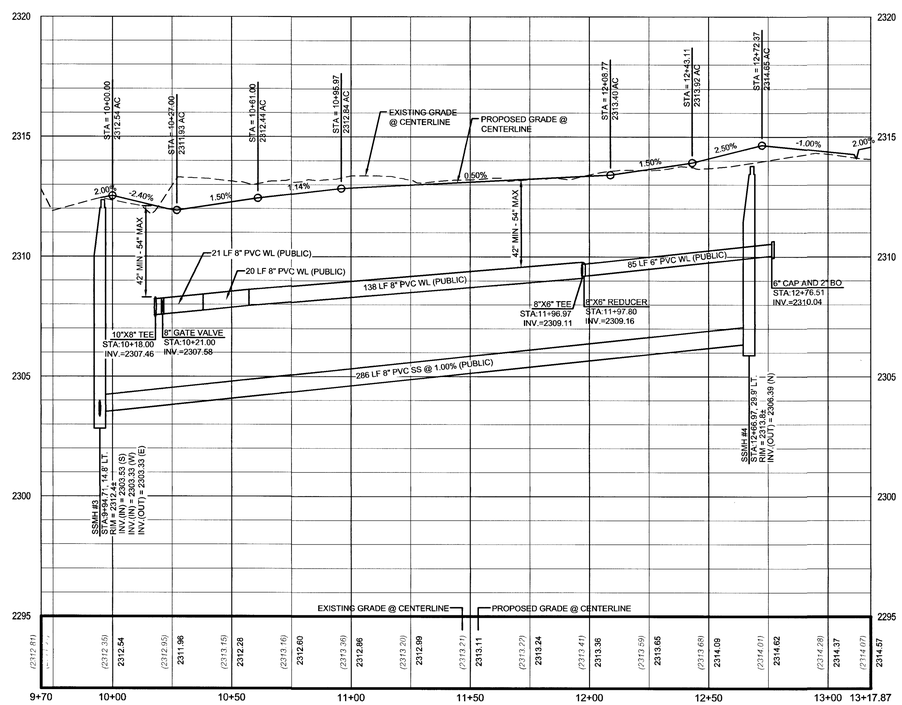


CINDER CROW COURT PLAN (PRIVATE)

SCALE: 1"=30'



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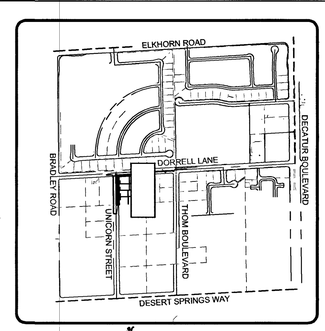

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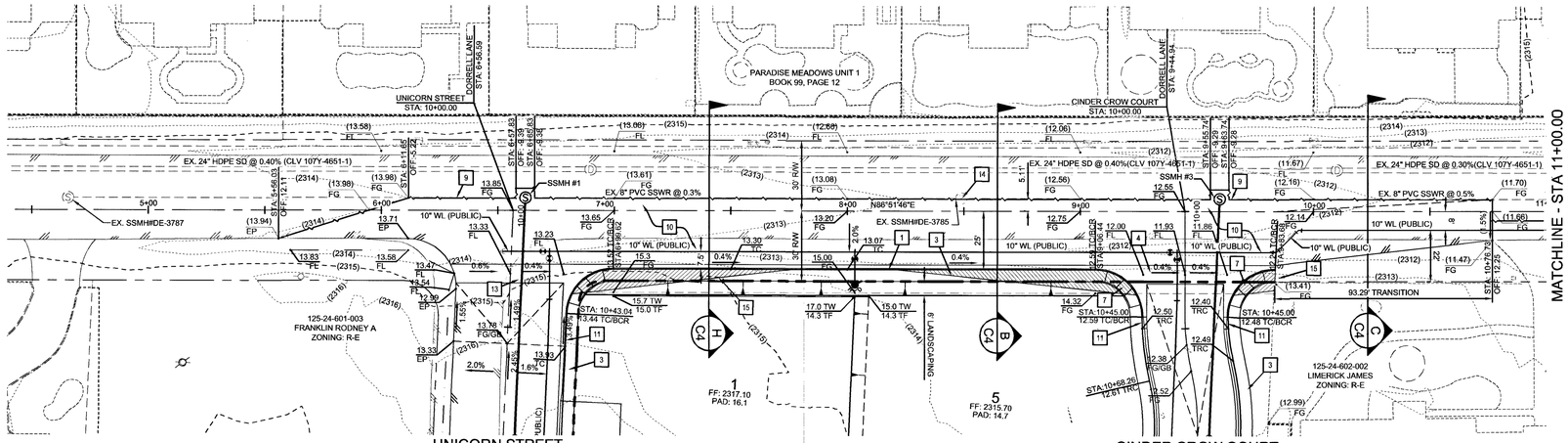
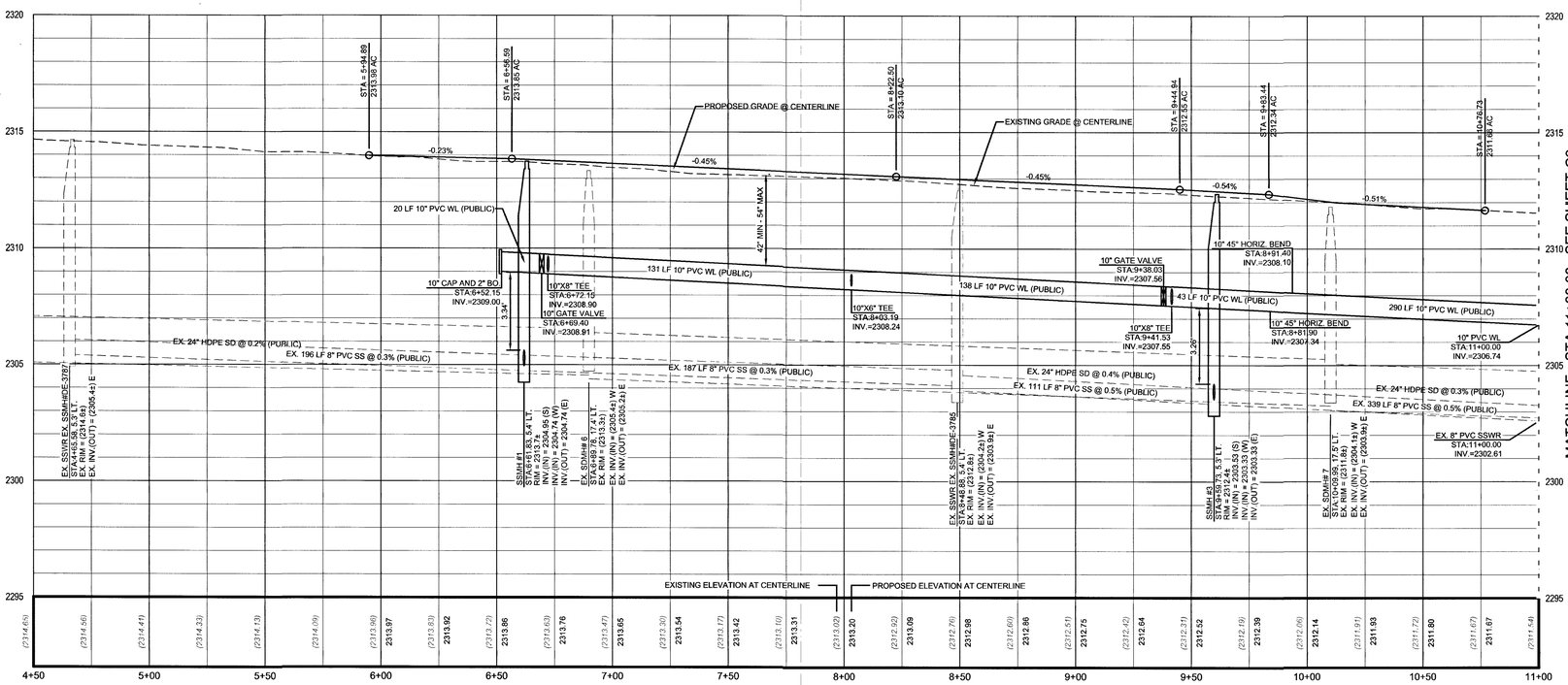


UNICORN STREET
SEE SHEET C6 FOR CONTINUATION

DORRELL LANE - PLAN (PUBLIC)
SCALE: HORZ. 1" = 30'

CINDER CROW COURT
SEE SHEET C7 FOR CONTINUATION



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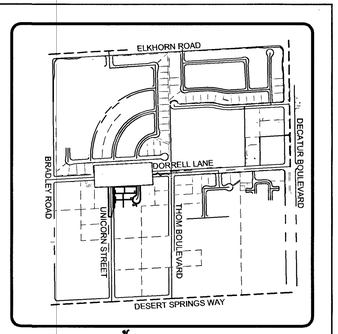

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BEAZER HOMES
CITY OF LAS VEGAS, NEVADA

PROFESSIONAL ENGINEER STATE OF NEVADA
DARRYL C. LATTIMORE
EXP: 12/31/19
CIVIL
No. 17516
7/12/18

DATE	07-12-2018
DRAWN	BP/RP
DESIGNED	BP
CHECKED	DCL
PROJECT #	BZR011801

SHEET TITLE
PLAN AND PROFILE

SHEET NUMBER 10745088
C8
L18-00852 SHEET 8 OF 10

PROJ.#:126407.A QS:125-24-NE

Plot Stamp: 7/12/2018 6:35:33 AM - Brad Proudfit
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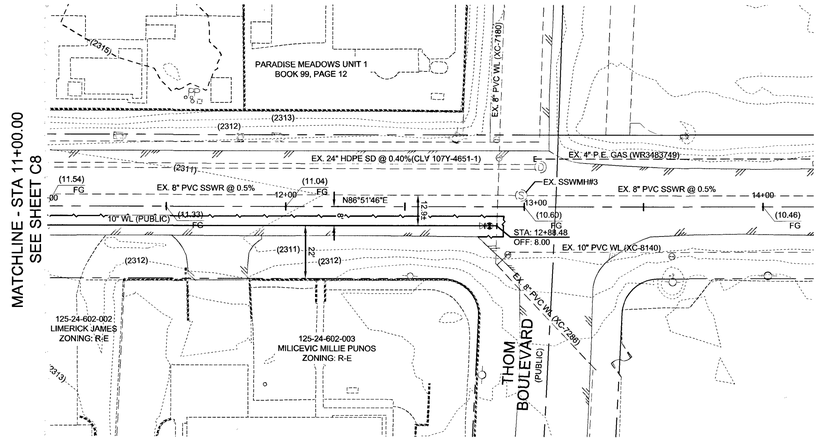
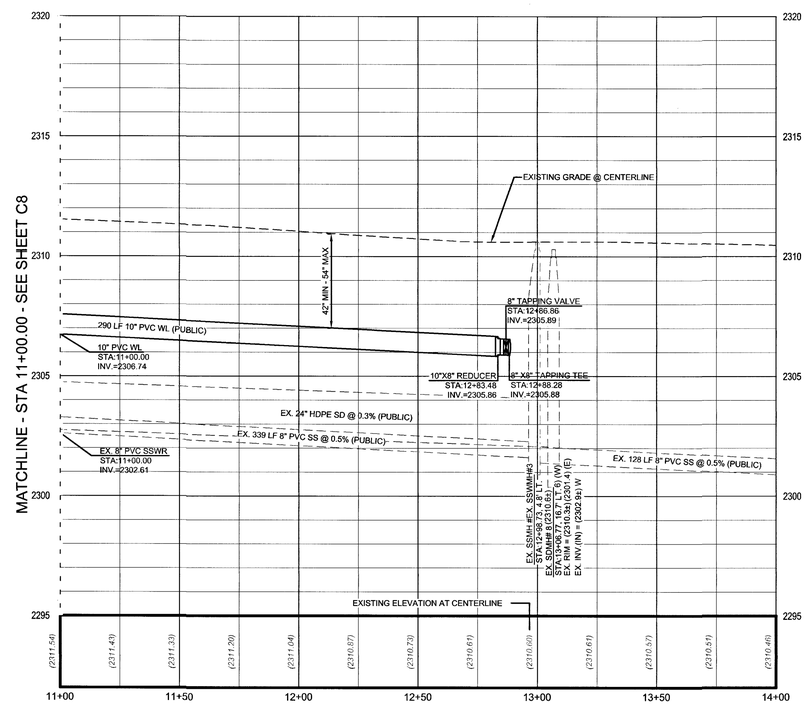


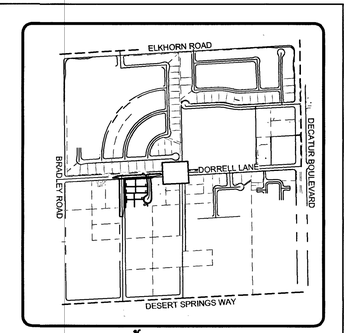
DORRELL LANE PLAN (PUBLIC)

SCALE: HORZ. 1" = 30'



DORRELL LANE PROFILE (PUBLIC)

SCALE: HORZ. 1" = 30'
VERT. 1" = 3'



KEY MAP

SCALE: NTS

SCALE: 1"=30'

30 15 0 30

LEGEND

PROPOSED	EXISTING	
		PROPERTY LINE / ROW LINE
		EASEMENT LINE
		CENTER LINE
		EDGE OF ASPHALT
		CURB & GUTTER
		RETAINING WALL
		SAWCUT LINE
		FLOW LINE
		GRADE BREAK
2500	(2500)	MAJOR 5' CONTOUR
2501	(2501)	MINOR 1' CONTOUR
		SCARP (3:1 MAX)
		CONCRETE SIDEWALK/ VALLEY GUTTER
		CUT / FILL LINE
		MATCHLINE
[98.72] XX		FUTURE GRADE TAG
(98.72) XX		EXISTING GRADE TAG
98.72 XX		PROPOSED GRADE TAG
FF		FINISHED FLOOR
TC		TOP OF CURB
AC		TOP OF PAVEMENT
FL		FLOW LINE GRADE
EP		EDGE OF PAVEMENT
TB		TOP OF BERM
TW		TOP OF RETAINING WALL
TF		TOP OF WALL FOOTING
1.00%		GRADE SLOPE

CONSTRUCTION NOTES

1. CONSTRUCT "L" CURB AND GUTTER PER CCAUSD #216
2. CONSTRUCT "R" CURB AND GUTTER PER CCAUSD 217.3.S1
3. CONSTRUCT 5' WIDE SIDEWALK PER CCAUSD #234.
4. CONSTRUCT 8' CROSS GUTTER PER CCAUSD #228.
5. CONSTRUCT RESIDENTIAL DRIVEWAY PER CCAUSD #223, #223.1, AND DETAIL "5" ON SHEET C4
6. MATCH EX. ASPHALT, CURB, SIDEWALK, GUTTER, OR VALLEY GUTTER.
7. SIDEWALK RAMP PER CCAUSD #235 CASE I, "A" & "B" = 8' UNLESS OTHERWISE NOTED.
8. CONSTRUCT PAD PER TYPICAL PAD SECTION DETAIL "1" ON SHEET C4
9. SAWCUT EXISTING A.C. PAVEMENT PER PLAN
10. INSTALL 3.5" AC OVER 5" TYPE II AGGREGATE BASE
11. 5' TRANSITION "L" CURB TO "R" CURB PER DETAIL "3" ON SHEET C4
12. INSTALL 2.5" AC OVER 4.5" TYPE II AGGREGATE BASE
13. CONSTRUCT HALF STREET CROSS GUTTER PER CCAUSD #229
14. ADJUST EXISTING UTILITY TO GRADE
15. EXISTING POWER POLE TO BE REMOVED. SEE NV ENERGY PLANS

APPROVAL:

SOUTHWEST GAS CORPORATION DATE

APPROVED FOR CONSTRUCTION

Las Vegas Valley Water District Engineering Services

Project No. 126407 First Approved Date: 10-10-18

DEPTH OF COVER DURING CONSTRUCTION

MAINTAIN MINIMUM TWENTY-FOUR (24) INCH COVER PER UDACS SECTION2.008.04. GRADING MUST BE COMPLETED PRIOR TO WATER LINE INSTALLATION.

NOTE:

INSTALL PIPELINE MARKER BALLS, PER UDACS PLATE NO. 15

LVVWD 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 REMAINING WATER. 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.

PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE PER UDACS. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

ALL SEWER / STORM DRAIN CROSSING WATER LINES MUST COMPLY WITH UDACS SECTION 2.22

WATER MAIN JOINT DEFLECTION, PER UDACS 2.07.01 AND 2.07.03

GRADING NOTE

1. ACTUS SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.
2. CONSTRUCTION OF BLOCK WALLS REQUIRES A SEPARATE BUILDING PERMIT AND APPROVAL BY THE BUILDING DEPARTMENT.
3. 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.

DISCLAIMER NOTE

THE UNDERGROUND UTILITIES AS SHOWN HEREON HAVE BEEN LOCATED FROM OBSERVED FIELD SURVEY EVIDENCE AND EXISTING DRAWINGS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING; PLANS PROVIDED BY THE CLIENT, UTILITY COMPANIES, AND MUNICIPAL AGENCIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

FAST

Call before you Dig
Underground
1-702-432-5300
FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION (FAST)

Call before you Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL
OR
1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

BENCHMARK

CITY OF LAS VEGAS BENCHMARK STATION: 5LV90 24NEE6

RIVET AND PLATE IN THE TOP OF CURB AT THE SOUTHWEST CORNER OF DECATUR BOULEVARD AND DORRELL LANE.

ELEVATION = 702.412 METERS (NAVD'88 2008 ADJUSTMENT)
ELEVATION = 2304-51 US SURVEY FEET (NAV'88 2008 ADJUSTMENT)

BASIS OF BEARING

NORTH 00°47'07" WEST, BEING THE BEARING OF EAST LINE OF THE NORTHEAST QUARTER (NE ¼) OF THE NORTHEAST QUARTER (NE ¼) OF SECTION 24, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS RECORDED IN FILE 106 OF SURVEYS AT PAGE 81, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA.

Actus
3203 E. Warm Springs Rd., Suite 400
Las Vegas, NV 89120
www.Actus-NV.com
(702) 588-9299
Engineering - Surveying - Consulting - Planning

#	DATE	DESCRIPTION	BY

PLAN AND PROFILE - DORRELL LANE 2

DECATUR & DONALD III

BEAZER HOMES

CITY OF LAS VEGAS, NEVADA

PROFESSIONAL ENGINEER DARRYL C. LATTIMORE EXP: 12/31/19 CIVIL No. 17516 STATE OF NEVADA

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SHEET TITLE: PLAN AND PROFILE

SHEET NUMBER: C9

L18-00852 SHEET 9 OF 10

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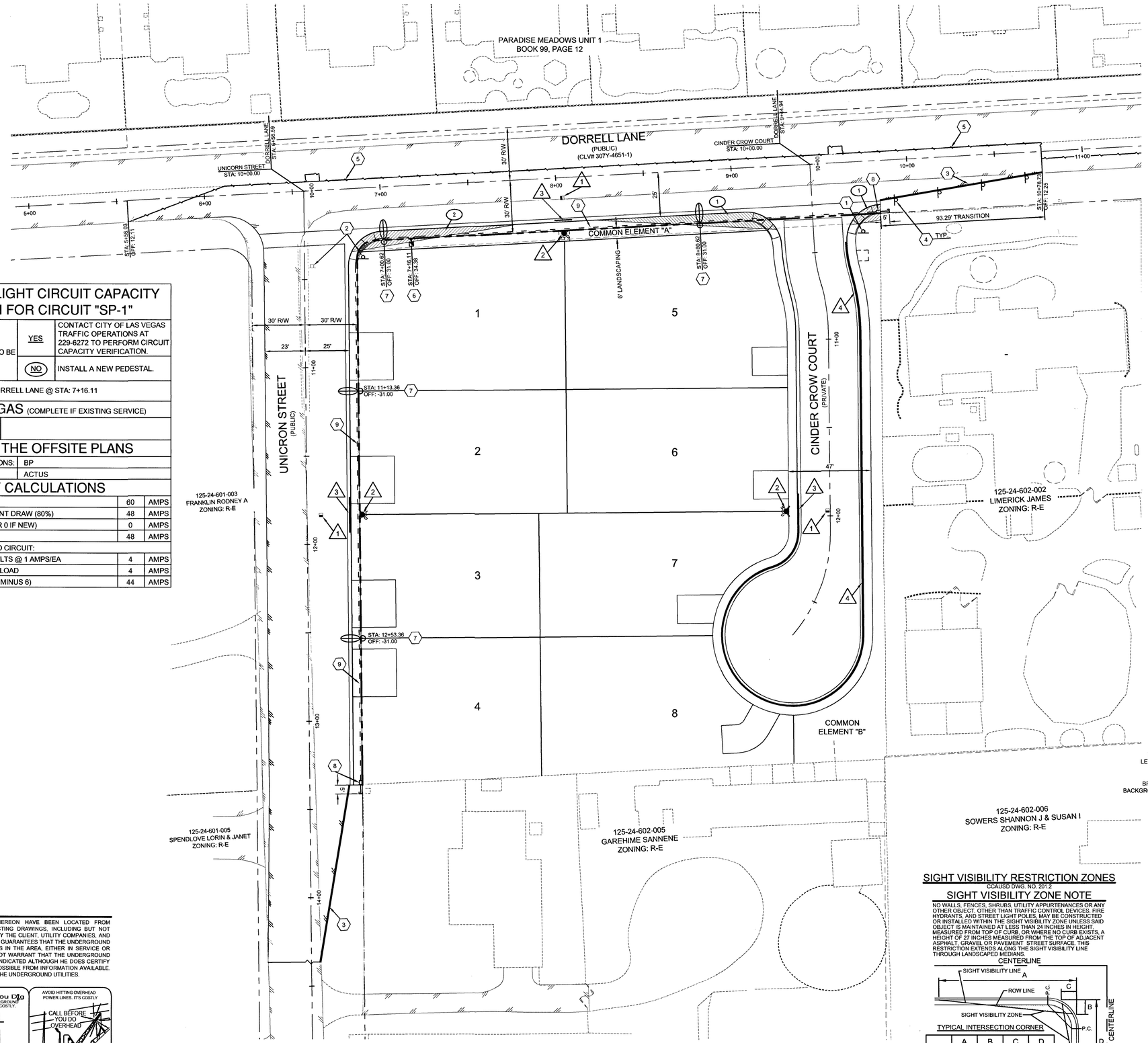
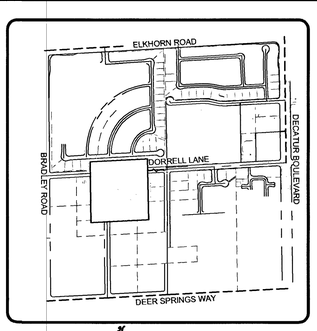




KEY MAP
SCALE: NTS

LEGEND

- EXISTING RIGHT-OF-WAY/PROPERTY LINE
- PROPOSED RIGHT-OF-WAY/PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED/EXISTING PROPERTY LINE
- PROPOSED "L" TYPE CURB
- EXISTING "L" TYPE CURB
- EXISTING STRIPING
- PROPOSED STREETLIGHT CONDUIT
- EXISTING STREETLIGHT
- PROPOSED STREET SIGN
- EXISTING STREET SIGN
- PROPOSED BLUE REFLECTIVE MARKER

CONSTRUCTION NOTES:

1. INSTALL R1-1 STOP SIGN (30") AND 2-D3 (9") STREET SIGNS PER CCAUSD #249.1
2. REMOVE AND RE-USE EXISTING R1-1 STOP SIGN (30") AND 2-D3 (9") STREET SIGNS PER CCAUSD #249.1
3. INSTALL 8" WHITE EDGE LINE
4. INSTALL OM-3R SIGNS AT 25' ON CENTER
5. INSTALL TYPE I CENTERLINE
6. INSTALL NEW 200 AMP SERVICE PEDESTAL FOR STREET LIGHTING PER CCAUSD #330, 331, 332.1, &336.1
7. INSTALL 150W (LED EQUIVALENT) STREETLIGHT AND FOUNDATION PER CCAUSD #314, #320, AND #321.
8. INSTALL #3 1/2 PULLBOX
9. INSTALL 1-1/4" PVC STREET LIGHT CONDUIT WITH (2) #4 AND (1) #8 THW COPPER CONDUCTORS AND PULL STRING

FIRE CONSTRUCTION NOTES:

1. INSTALL BLUE REFLECTIVE RAISED PAVEMENT MARKER ADJACENT TO THE FIRE HYDRANT (16) FEET FROM FACE OF CURB ON THE HYDRANT SIDE PER SECTION 507.5.7.3 OF THE SOUTHERN NEVADA FIRE CODE.
2. PROPOSED FIRE HYDRANT LOCATION.
3. PAINT CURB ADJACENT TO FIRE HYDRANT PER SECTION 507.5.7.2 OF THE SOUTHERN NEVADA FIRE CODE.
4. PAINT ENTIRE STREET SIDE CURB RED WITH TYPE "C" "NO PARKING FIRE LANE" STENCILED OVER FACE OF CURB AT A MAXIMUM SPACING OF 50' PER SECTION 507.5.7.2 OF THE INTERNATIONAL FIRE CODE.

PRIVATE STREETLIGHT CIRCUIT CAPACITY VERIFICATION FOR CIRCUIT "SP-1"

IS THERE AN EXISTING SERVICE PEDESTAL IN THE FIELD (NOT PROPOSED) ADJACENT TO THIS PROPERTY THAT MIGHT BE ABLE TO BE USED TO POWER THIS PROJECT'S STREETLIGHTS? (CIRCLE)	YES	CONTACT CITY OF LAS VEGAS TRAFFIC OPERATIONS AT 229-6272 TO PERFORM CIRCUIT CAPACITY VERIFICATION.
	NO	INSTALL A NEW PEDESTAL.

SERVICE PEDESTAL LOCATION: DORRELL LANE @ STA: 7+16.11

CITY OF LAS VEGAS (COMPLETE IF EXISTING SERVICE)

DATE OF CAPACITY VERIFICATION

ENGINEER OF THE OFFSITE PLANS

PERSON WHO DID THE CALCULATIONS:	BP
CONSULTING ENGINEERING FIRM:	ACTUS

CAPACITY CALCULATIONS

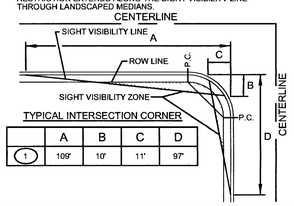
1	CIRCUIT CAPACITY:	60	AMPS
2	MAXIMUM CONTINUOUS CURRENT DRAW (80%)	48	AMPS
3	EXISTING CIRCUIT LOAD (ENTER 0 IF NEW)	0	AMPS
4	AVAILABLE (2 MINUS 3)	48	AMPS
	PROPOSED LUMINAIRE LOAD TO CIRCUIT:		
5	4 NUMBER OF 150 WATT STLTS @ 1 AMPS/EA	4	AMPS
6	TOTAL PROPOSED ADDITIONAL LOAD	4	AMPS
	REMAINING AVAILABLE LOAD (4 MINUS 6)	44	AMPS

SIGHT VISIBILITY RESTRICTION ZONES

CCAUSD DWG. NO. 201.2

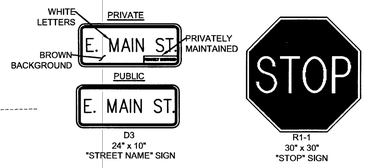
SIGHT VISIBILITY ZONE NOTE

NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS, AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM TOP OF CURB, OR WHERE NO CURB EXISTS, A HEIGHT OF 27 INCHES MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG THE SIGHT VISIBILITY LINE THROUGH LANDSCAPED MEDIANS.



TYPICAL INTERSECTION CORNER

	A	B	C	D
1	109'	10'	11'	97'



D3
24" x 10"
"STREET NAME" SIGN

R1-1
30" x 30"
"STOP" SIGN

ON-STREET PARKING IN MARKED FIRE LANES
PROHIBITED

TYPE "B"
24" x 18"
"PROHIBITED" SIGN

LAS VEGAS FIRE & RESCUE — DATE 9/25/18

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TRAFFIC AND FIRE PLAN
DECATUR & DONALD III
BEAZER HOMES
CITY OF LAS VEGAS, NEVADA

#	DATE	DESCRIPTION	BY

PROFESSIONAL ENGINEER — DARRYL C. LATTIMORE — EXP: 12/31/19 — CIVIL — No. 17516 — STATE OF NEVADA — 7/12/18

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SHEET TITLE: TRAFFIC

SHEET NUMBER 10745088

C10

LU8-00852 SHEET 10 OF 10

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