

OFFSITE IMPROVEMENT PLANS FOR CENTENNIAL AND TEE PEE BRIGHT ANGEL WAY OFFSITE SEWER FACILITIES BY LENNAR®

LEGAL DESCRIPTION

APN 125-30-601-007
THE EAST HALF (E 1/2) OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 30, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M.
EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE COUNTY OF CLARK BY DEED RECORDED FEBRUARY 22, 2001 IN BOOK 20010222 AS INSTRUMENT NO. 00732, OF OFFICIAL RECORDS, CLARK COUNTY NEVADA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK 6LV99 24SES
A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF CENTENNIAL PARKWAY AND HUALAPAI WAY.
ELEVATION=844.924 METERS (NAVD'88)
ELEVATION=2772.06 US SURVEY FEET (NAVD'88)

BASIS OF BEARINGS

SOUTH 89°47'00" EAST BEING THE BEARING OF THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 30, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN BY MAP THEREOF ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE IN FILE 89, PAGE 3 OF SURVEYS.

SHEET INDEX

SHT. No.	DWG. ID	DRAWING DESCRIPTION
1	C-1	COVER SHEET
2	N-1	GENERAL NOTES, LEGEND AND ABBREVIATIONS
3	U-1	UTILITY PLAN
4	P-1	PLAN AND PROFILE - BRIGHT ANGEL WAY STA: 16+00.00 - 22+00.00 AND TEE PEE LANE
5	P-2	PLAN AND PROFILE - BRIGHT ANGEL WAY STA: 22+00.00 - 27+00.00

OWNER:

APN 125-30-601-007
GREYSTONE NEVADA LLC
2490 PASEO VERDE PARKWAY SUITE 120 HENDERSON, NV 89074
PHONE: (702) 736-9100 FAX: (702) 736-9200

DEVELOPER:

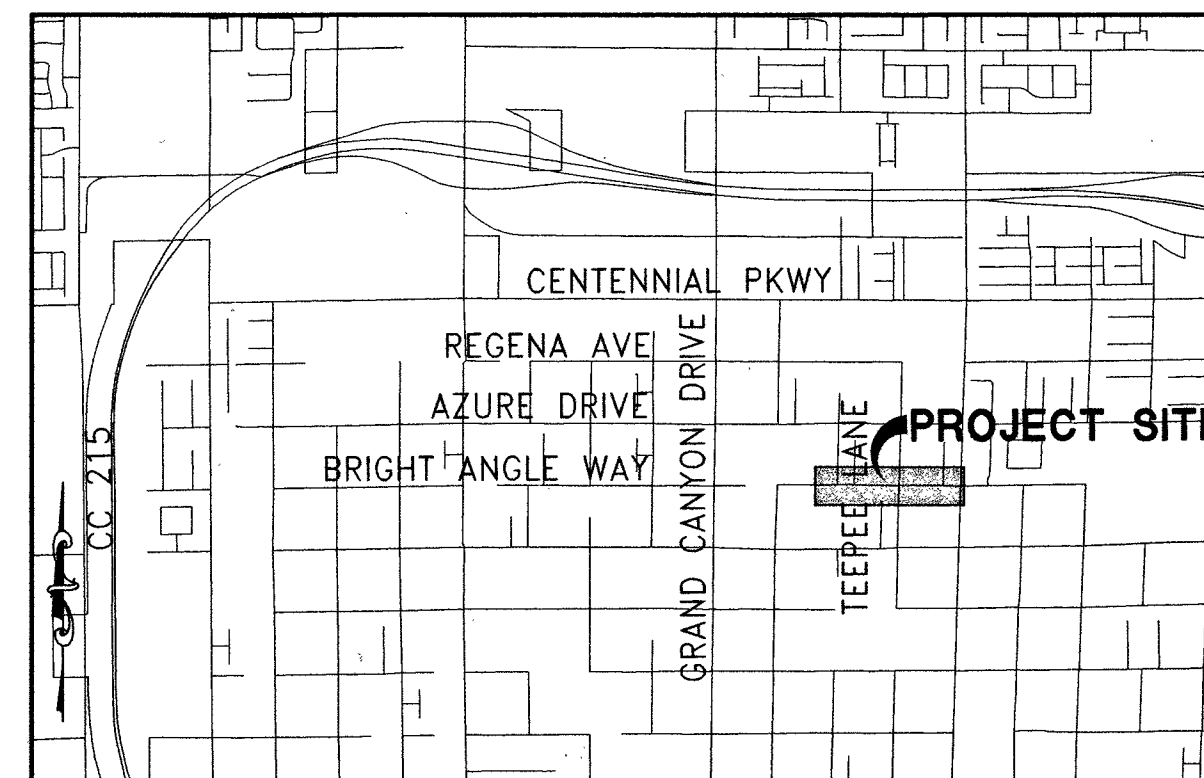
LENNAR®
2490 PASEO VERDE PARKWAY SUITE 120 HENDERSON, NV 89074
PHONE: (702) 736-9100 FAX: (702) 736-9200

DESIGN ENGINEER:

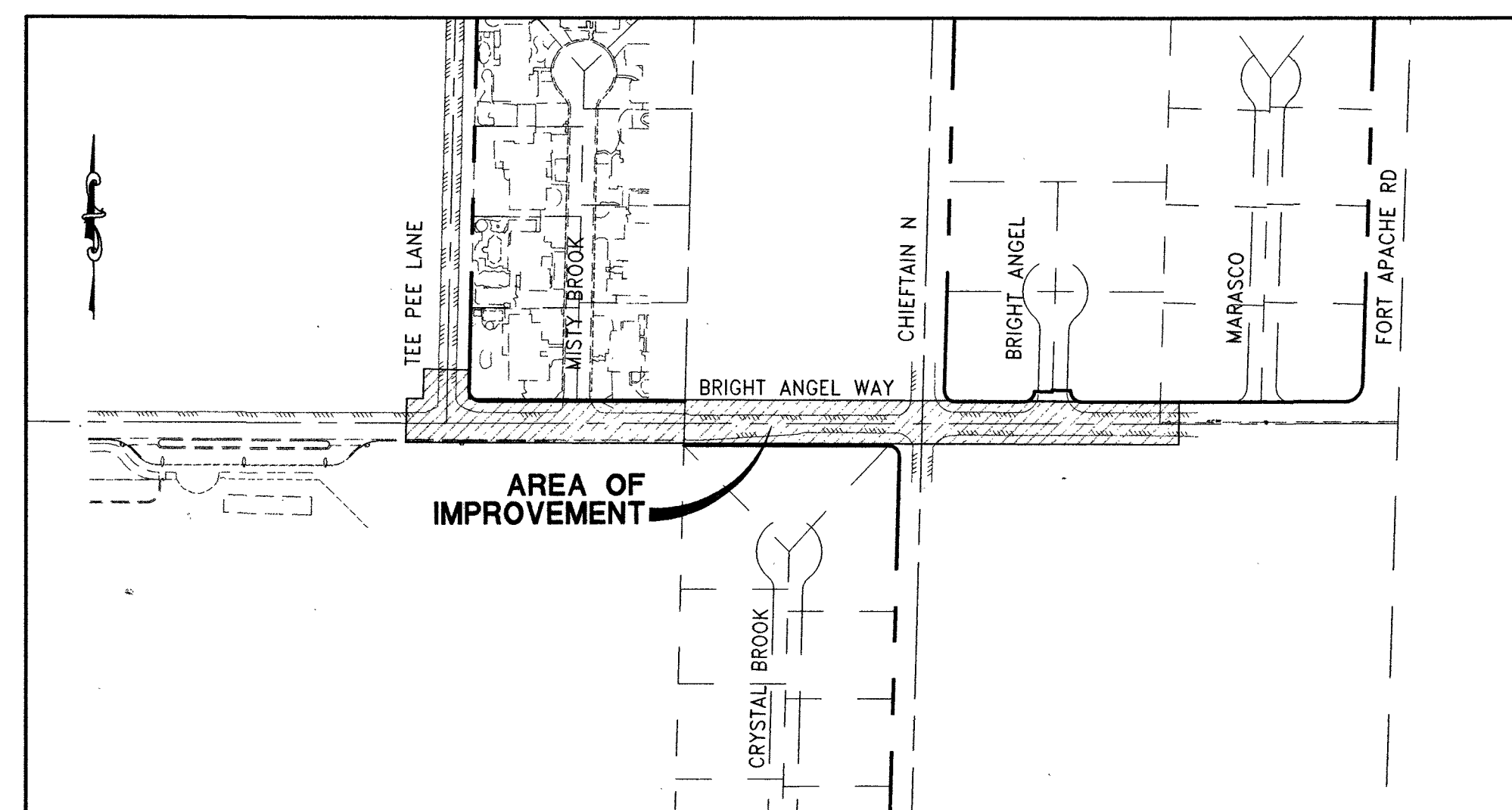
RCI Engineering
4325 Dean Martin Road, Suite 300 - Las Vegas, NV 89103
PH#702.453.0800 FAX#702.453.0801

APN

125-30-601-007, 125-30-699-005, 125-30-699-003,
125-30-601-009, 125-30-699-007 AND 125-30-699-002
CLARK COUNTY, NEVADA



VICINITY MAP
NOT TO SCALE



SITE PLAN
NOT TO SCALE

APPROVED BY:

NV ENERGY

Barbara Garrison
NV ENERGY COMPANY

9-1-16
9-3-15
DATE

NV ENERGY COMPANY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NV ENERGY COMPANY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

CENTRAL TELEPHONE COMPANY, d/b/a CENTURYLINK

Michael Somma
CENTRAL TELEPHONE COMPANY, d/b/a CENTURYLINK

9-01-16
9-22-15
DATE

CENTRAL TELEPHONE COMPANY, d/b/a CENTURYLINK

THE CENTRAL TELEPHONE COMPANY, D/B/A CENTURYLINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS.

SOUTHWEST GAS

Southwest Gas Corporation
SOUTHWEST GAS CORPORATION

10/8/15
DATE

COX COMMUNICATIONS LAS VEGAS INC.

Shel Gonzalez
COX COMMUNICATIONS LAS VEGAS INC.

8/31/16
9/3/15
DATE

CITY OF LAS VEGAS - SEWER ONLY

Allen Pavelka
ALLEN PAVELKA, P.E. #9029
CITY ENGINEER

9-27-16
DATE

APPROVAL OF THESE PLANS IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHTS-OF-WAY AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE THE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS, EXCEPT THOSE SPECIFICALLY LISTED UNDER DEVIATIONS FROM STANDARD. THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARDS IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA.

CLARK COUNTY FIRE DEPARTMENT

Kaminski
CLARK COUNTY FIRE DEPARTMENT
KAMINSKI

10-20-15
DATE

LAS VEGAS VALLEY WATER DISTRICT APPROVED FOR CONSTRUCTION

Y. D. SHARI FOR
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT # 123716
(SHEETS C-1, N-1, U-1, P-1, P-2)

10/27/15
DATE

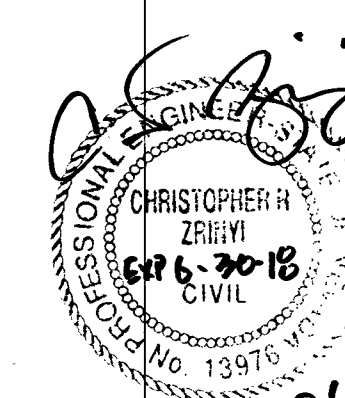
DISCLAIMER NOTE:

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

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

FAST
Call before you
Underground
1-702-432-5300
FREIGHTWAY AND ARTERIAL
SYSTEM OF TRANSPORTATION

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



8/9/16

H# 58479
307V 1113

NOTE: A PRE-DEVELOPMENT MEETING WITH THE DEPARTMENT OF PUBLIC WORKS DEVELOPMENT REVIEW DIVISION, OFF-SITE INSPECTOR IS REQUIRED. PLEASE CONTACT THE INSPECTOR AT 702-455-4610

DATE: AUGUST 31, 2015 HORIZ. SCALE: N/A VERT. SCALE: N/A DRAWN BY: CR DESIGNED BY: CR CHECKED BY: CZ APPROVED BY: CZ PROJECT #: 3040.0038	REV	DESCRIPTION	BY	APPD	DATE
LENNAR® 2490 PASEO VERDE PARKWAY SUITE 120 HENDERSON, NV 89074 PHONE: (702) 736-9100 FAX: (702) 736-9200					
RCI Engineering 4325 Dean Martin Road, Suite 300, Las Vegas, NV 89103 PH#702.453.0800 FAX#702.453.0801					
NEVADA					
OFFSITE IMPROVEMENT PLANS FOR CENTENNIAL AND TEEPEE BRIGHT ANGEL WAY OFFSITE SEWER FACILITIES COVER SHEET					
CLARK COUNTY					
PROFESSIONAL ENGINEER CHRISTOPHER R. ZRINYI Exp. 6/30/2016 CIVIL No. 13976					
9-1-15 DRAWING					
C-1 SHT 1 OF 5 HTE NUMBER 15-18109					

1. ALL QUANTITIES SHOWN HEREIN ARE APPROXIMATE AND USED FOR PERMIT AND BOND PURPOSES ONLY. THEY SHALL NOT BE USED IN ANY WAY FOR BIDDING OR CONSTRUCTION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO RESPOND TO ALL QUANTITY TAKE-OFFS FOR BIDDING AND CONSTRUCTION PURPOSES.
2. A GEOTECHNICAL INVESTIGATION TO CORROBORATE THE PROJECT BY AMERICAN SOILS ENGINEERING, LLC DATED MARCH 9, 2015, PERMIT NO.1691-GEO-UPDATE. THE CONTRACTOR SHALL ATTENTIVELY EXAMINE THE SITE IN SUCH A MANNER THAT HE CAN CONFIRM EXISTING SURFACE CONDITIONS WITH THOSE PRESENTED IN THE CONTRACTORS REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF EXISTING MATERIALS AND SUBSURFACE SOIL OR ROCK DEPOSITS HAVE BEEN SATISFACTORILY REPRESENTED IN THE CONTRACTORS REPORT AND CIVIL ENGINEER'S DRAWINGS. ANY DISCREPANCY THAT MAY BE OF PRIOR KNOWLEDGE TO THE CONTRACTOR THAT IS REVEALED THROUGH HIS INVESTIGATIONS SHALL BE MADE AVAILABLE TO THE OWNER. IT IS THE CONTRACTORS RESPONSIBILITY TO CORROBORATE THE GEOTECHNICAL REPORT PRIOR TO CONSTRUCTION. RESULTS OF THE GEOTECHNICAL INVESTIGATION ALONG WITH THEIR RECOMMENDATIONS SHALL BECOME PART OF THE SPECIFICATIONS BUT NOT CONSTITUTE A GUARANTEE OF THE SUBSURFACE CONDITIONS IN ANY WAY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY, HEALTH AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY ARISING FROM THE CONTRACTORS NEGLIGENCE OR NONCOMPLIANCE WITH THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION AND SHORING PROCEDURES AND CONFORM WITH ALL O.S. REQUIREMENTS.
5. THE CONTRACTOR SHALL MAINTAIN AN ON-GOING DUST CONTROL PROGRAM, INCLUDING WATERING OF OPEN AREAS, IN ORDER TO CONFORM WITH THE LATEST STATE AND COUNTY AIR POLLUTION REGULATIONS. THE CONTRACTOR SHALL HAVE A DUST CONTROL PLAN APPROVED BY THE CLARK COUNTY DISTRICT HEALTH DEPARTMENT FOR THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DUST REMOVAL OF ALL CONSTRUCTION MATERIALS SPILLED ON PAVED STREETS, ONSITE AND OFFSITE.
6. THE CONTRACTOR SHALL PURSUE THE WORK IN A CONTINUOUS AND DILIGENT MANNER, CONFORMING TO ALL PERTINENT SAFETY REGULATIONS, TO INSURE A TIMELY COMPLETION OF THE PROJECT.
7. THE CONTRACTOR SHALL NOTIFY ALL ENTITIES INVOLVED (PUBLIC AND PRIVATE) 48 HOURS PRIOR TO BEGINNING CONSTRUCTION, AND 48 HOURS PRIOR NOTICE FOR ALL SURVEYING AND INSPECTIONS DURING CONSTRUCTION.
8. ALL AREAS DISTURBED AND LEFT UNDEVELOPED FOR A PERIOD OF MORE THAN 30 DAYS SHALL BE STABILIZED BY THE APPLICATION OF AN APPROVED DUST PREVENTATIVE PLAN AT THE COST OF THE CONTRACTOR AND PER THE SUPERVISOR'S DISCRETION TO PREVENT EROSION.
9. THE CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL NECESSARY PERMITS AND FEES REQUIRED FOR CONSTRUCTION.
10. ALL EXISTING UTILITY LOCATIONS, SIZES, AND DESCRIPTIONS AS SHOWN ON THESE DRAWINGS ARE FROM SURVEY ORIGINATOR INFORMATION. THE CONTRACTOR SHALL VERIFY ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, VERBAL STATEMENTS SUPPLIED BY UTILITY COMPANIES, AND SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WHICH MAY BE AFFECTED BY THE WORK TO OBTAIN ASSISTANCE IN THE LOCATION OF EXISTING MAINS AND SERVICE CONNECTIONS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SIGNING, BARRICADES AND TRAFFIC DELINEATION TO CONFORM TO THE STATE OF NEVADA, DEPARTMENT OF TRANSPORTATION, "NEVADA WORK ZONE TRAFFIC CONTROL MANUAL".
12. THE WORK IN THIS CONTRACT INCLUDES ALL ONSITE AND OFFSITE WORK SHOWN ON THESE DRAWINGS, DESCRIBED IN THE SPECIFICATIONS, OR REASONABLY IMPLIED.
13. THE CONTRACTOR SHALL, AT ALL TIMES DURING CONSTRUCTION, PROTECT FROM DAMAGE EXISTING UTILITIES, INCLUDING BUT NOT LIMITED TO, UTILITIES, INCLUDING BUT NOT LIMITED TO, PAVEMENT, CURB & GUTTER, SIDEWALK, LANDSCAPING, SIGNAGE, STORM & SANITARY MAINS, AND ALL OTHER UTILITIES. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE REPAIR OF ANY IMPROVEMENTS (EXISTING OR PROPOSED) DAMAGED THROUGHOUT THE COURSE OF CONSTRUCTION.
14. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AT ALL TIMES EMERGENCY ACCESS TO THE PROJECT SITE TO THE SATISFACTION OF THE LOCAL FIRE DEPARTMENT.
15. THE CONTRACTOR SHALL, UPON COMPLETION OF THE PROJECT, PREPARE AND SUBMIT TO THE OWNER RECORD DRAWINGS INDICATING BY DIMENSION AND DESCRIPTION ANY FACILITY CONSTRUCTED CONTRARY TO THAT SHOWN ON THESE PLANS.
16. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL MATERIALS TO BE USED ON THE SITE TO INCLUDE, BUT NOT BE LIMITED TO, A.C. AND P.C.C. MIX DESIGN, AGGREGATE BASE QUALIFICATIONS, PRECAST CONCRETE, AND ALL OTHER MATERIALS TO BE USED ON THE PROJECT TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO THE MANUFACTURING OR USE OF SUCH ITEMS.
17. INSPECTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH COUNTY STANDARDS OR THE STANDARD SPECIFICATIONS FOR THE ROADWAY.
18. THE 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.

[illegible]

1. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC INTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HEREON. REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
2. 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 GROUND MOUNTED STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING COUNTY STREETS IMMEDIATELY AFTER FIRST GRADING. TEMPORARY STOP SIGNS SHALL BE MAINTAINED THROUGHOUT THE PERMANENT SIGNS ARE INSTALLED.
3. ALL CONSTRUCTION SIGNING, BARRICADING AND PAVEMENT MARKINGS SHALL CONFORM TO THE NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK -- 1986 AND TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
4. 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 COUNTY TRAFFIC MANAGER.
5. THE DEVELOPER SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON THE COUNTY STREET LIGHTING PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE TO CLARK COUNTY AREA STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD OR UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGNPOSTS SHALL BE INSTALLED IN ACCORDANCE WITH CLARK COUNTY AREA STANDARDS. ALL SIGNS SHALL USE CLASS VI SHEETING.
6. IF A PROPOSED STREET LIGHT STANDARD IS FIELD LOCATED TO WITHIN FIVE (5) FEET OF ANY SIGN, SHOWN HEREON TO BE MOUNTED ON A SIGN POST, CHANGE SIGN MOUNTING TO ONE ON THE STREETLIGHT STANDARD.
7. PRIOR TO CONSTRUCTION, THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAME AND BLOCK NUMBERING FROM THE CURRENT PLANNING DIVISION OF THE DEPARTMENT OF COMPREHENSIVE PLANNING.
8. ALL TRAFFIC SIGNAL, POLE ASSEMBLIES, STEEL PEDESTAL FOR CABINETS AND STREET LIGHT POLES SHALL BE GALVANEALZED.
9. ALL STREET LIGHTING INSTALLATIONS EXCEPT NOTED ON THE STREET LIGHTING PLANS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, LATEST EDITION OF EACH.
10. THE FOLLOWING CLARIFICATIONS ARE TO BE OBSERVED IN THE INSTALLATION IN YOUR PROJECT AREA: STREET LIGHTING, TRAFFIC SIGNALS, AND FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION (F.A.S.T.) INTERCONNECT CABLE. YOU MUST CONTACT CLARK COUNTY TRAFFIC MANAGEMENT DIVISION, OPERATIONS UNIT AT 455-6000 FOR LOCATIONS AT LEAST 48 HOURS PRIOR TO WORKING IN THE AREA. CLARK COUNTY IS NOT A MEMBER OF "CALL BEFORE YOU DIG" (C.B.Y.D.) (A SERVICE PROVIDED BY THE STATE), AND A CALL TO THAT ORGANIZATION DOES NOT RELIEVE YOU OF LIABILITY FOR CLARK COUNTY FACILITIES.
11. F.A.S.T. INTERCONNECT CABLE POLICY IS IN EFFECT. INTERCONNECT CABLE MUST BE MAINTAINED AT ALL TIMES. DEVELOPER/CONTRACTOR SHALL PROVIDE TEMPORARY OVERHEAD INTERCONNECT CABLE WHILE PERMANENT INTERCONNECT CABLE IS BEING REINSTALLED. CABLE INSTALLATION MUST BE ACCEPTABLE TO THE COUNTY TRAFFIC MANAGER AND TO F.A.S.T. ANY DAMAGE TO THIS CABLE IS DEEMED TO BE THE RESPONSIBILITY OF THE DEVELOPER, VENDOR, CLARK COUNTY AND INDOT AND MUST BE REPAIRED IMMEDIATELY TO F.A.S.T. ACCEPTANCE. \$2,500 PER DAY DAMAGES MAY BE ASSESSED AFTER TRAFFIC SIGNALS HAS ELAPSED FROM TIME OF BREAK OR DAMAGE.
12. ALL NEW OR REPLACEMENT TRAFFIC SIGNAL LOOPS SHALL BE INSTALLED USING CABLE-IN-DUCT WIRING, SHALL HAVE A MINIMUM OF TWO CABLES PER LOOP FROM THE CONTROLLER TO THE PULL-BOX, AND EACH LEAD-IN SHALL BE INDIVIDUALLY TAGGED.
13. TRAFFIC SIGNAL PEDESTRIAN HEADS SHALL BE THE L.E.D. TYPE.
14. ELECTRICAL POWER SERVICE POINT LOCATION(S) FOR STREET LIGHTING AND TRAFFIC SIGNALS MUST BE INDICATED ON EACH DRAWING. IF CONNECTING TO AN EXISTING CIRCUIT, INDICATE LOCATION OF EXISTING SERVICE POINT FOR EACH CIRCUIT.
15. WHEN STREETLIGHTS ARE TO BE CONNECTED TO AN EXISTING CIRCUIT, THE ENGINEER MUST CERTIFY THAT THE EXISTING CIRCUIT IS CAPABLE OF HANDLING THE ADDITIONAL CIRCUIT LOAD.
16. CLARK COUNTY RESERVES THE RIGHT TO REJECT STREET LIGHT AND TRAFFIC SIGNAL POLES AND ASSEMBLIES WHICH HAVE A "STRIPED" FINISH.
17. TWO WEEKS PRIOR TO BEGINNING OF CONSTRUCTION, MODIFICATION OR RELOCATION OF ANY TRAFFIC SIGNAL SYSTEM WRITTEN NOTICE SHALL BE SUBMITTED TO THE CLARK COUNTY TRAFFIC MANAGEMENT DIVISION OF THE DATE THAT WRITTEN NOTICE.
18. THREE (3) NORMAL WORKING DAYS PRIOR TO TURN-ON OR COMPLETION OF MODIFICATION(S) TO A TRAFFIC SIGNAL SYSTEM, WRITTEN NOTICE SHALL BE SUBMITTED TO THE CLARK COUNTY TRAFFIC MANAGEMENT DIVISION THAT WORK IS BEING COMPLETED AND THE PROPOSED DATE OF COMPLETION.

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 OF THE IMPROVEMENTS AND CONSTRUCTION DIVISION OF 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. CONDUITS TO FITTINGS (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVWDSD 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 BE IMMEDIATELY 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.

1. INSPECTIONS ARE REQUIRED, CALL 24 HOURS IN ADVANCE. 455-4610. YOUR PERMIT, APPROVED PLANS, AND BARRICADE PLANS FOR THIS WORK MUST BE ON THE JOB SITE AT ALL TIMES.
2. EXACT LOCATION OF ANY GRADE OR CURB LINES SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.
3. EXACT LOCATION OF ANY CURB OR RAMP SHALL BE 4/10 OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING.
4. CURB AND GUTTER WITH A GRADE OF LESS THAN 4/10 OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
5. FINAL ASPHALT (2" MINIMUM) PAVEMENT SURFACES SHALL BE ONE-HALF (1/2") INCH ABOVE THE LIP OF THE GUTTER (INCLUDING OPEN DRAIN).
6. ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS AND STANDARD DRAWINGS, CLARK COUNTY AREA NEVADA AND CLARK COUNTY SUPPLEMENT TO UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS, LATEST EDITION.
7. PRIVATE STREETS CURB & GUTTER AND VALLEY GUTTERS REFLECTED ON THESE PLANS ARE TO BE INSPECTED BY A CLARK COUNTY INSPECTOR.
8. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.
9. PROPER SIGNS, BARRIERS, BARRICADES AND LIGHTS SHALL BE PLACED AND MAINTAINED IN ACCORDANCE WITH THE LATEST "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" TRAFFIC, SCHOOL, OR STREET SIGNS SHALL BE MOVED OR REMOVED FOR ANY REASON WITHOUT FIRST COORDINATING WITH THE DEPARTMENT OF PUBLIC WORKS INSPECTOR @ 455-4613.
10. THIS PLAN DOES NOT AUTHORIZE CLOSURE OF ANY ROAD OR STREET.
11. NO OPEN TRENCH SHALL BE ALLOWED ACROSS ANY STREET OR WITHIN TEN (10) FEET OF ANY TRAVEL-WAY, EXCEPT WHEN THE TRENCH IS TO BE OPENED TO REPLACE OR REPAIR ACCEPTABLE STEEL PLATE OR CONSTRUCTED AS A TRENCH. NO OPEN TRENCH IS PERMITTED IN EXCESS OF 500 FEET OR LENGTH NECESSARY TO ACCOMMODATE PIPE INSTALLATION IN A SINGLE DAY, WHICH EVER IS GREATER. ALL TRENCH CROSSINGS SHALL BE PROTECTED WITH A PROTECTIVE STRUCTURE UNLESS OTHERWISE STATED.
12. A TEMPORARY PATCH IS TO BE IN PLACE AT THE END OF EACH DAY OF WORK. BACKFILL IN THE TRENCH HAS BEEN COMPLETED AND PRIOR TO OPENING THE WORK AREA BACK TO TRAFFIC AND IS TO BE MAINTAINED BY THE PERMITEE. A PERMANENT PATCH IS TO BE IN PLACE WITHIN THIRTY (30) DAYS AFTER THE COMPLETION OF THE PROJECT.
13. COMPACTION TESTS ARE REQUIRED.

- A. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CLARK COUNTY FIRE CODE AS AMENDED, AND THE 2007 EDITION OF THE NATIONAL FIRE PROTECTION ASSOCIATION PAMPHLET #24.
- B. FIRE HYDRANTS AND WATER SUPPLY PROTECTION SHALL BE CONSIDERED A NON-REVERSIBLE PRIORITY AND DURING THE TIME OF CONSTRUCTION IN ACCORDANCE WITH SECTION 1412 OF THE CLARK COUNTY FIRE CODE, AS AMENDED.
- C. IF DURING CONSTRUCTION IT BECOMES NECESSARY TO CLOSE ANY CONTROL VALVE OR PLACE A HYDRANT OUT OF SERVICE, APPROVAL SHALL BE OBTAINED FOR THE FIRE DEPARTMENT PRIOR TO PLACING THE HYDRANT OUT OF SERVICE.
- D. PAINTING OF CURBS AND/OR STRIPING OF ASPHALT AREAS AND PROTECTION OF HYDRANTS FROM PHYSICAL INJURY SHALL BE PER FIRE HYDRANT INSTALLATION SPECIFICATIONS OF THE FIRE PREVENTION DIVISION.
- E. NO FIRE HYDRANT SHALL BE LOCATED WITHIN 25 FEET OF ANY STRUCTURE, OR 6 FEET OF A DRIVEWAY, POWER POLE, LIGHT STANDARD, OR ANY OTHER OBSTRUCTION. FOR WALL, FENCE AND PLANTER LOCATIONS, A PERIMETER AROUND THE HYDRANT SHALL BE MAINTAINED. A MINIMUM OF 3 FEET FROM ITS EXTERIOR SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTIONS AT ALL TIMES.
- F. FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS. ALL FIRE APPARATUS VEHICLE SHALL BE LOADED WITH 18,000 POUNDS PER AXLE, AND SHALL BE SURFACED AND PAVED SO AS TO PROVIDE ALL OTHER DRIVING CAPABILITY.
EXCEPTION: TEMPORARY ACCESS ROADS SERVING ONLY BUILDINGS UNDER CONSTRUCTION SHALL NOT BE REQUIRED TO BE PAVED, BUT SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF SECTION 503.2.3 OF THE CLARK COUNTY FIRE CODE.
- G. PRIOR TO ACCEPTANCE OF ANY FIRE SERVICE MAIN, A SATISFACTORY HYDROSTATIC TEST WITH PIPING JOINTS UNCOVERED MUST BE CONDUCTED. APPROVED PLANS, AN INSTALLATION PERMIT AND A CONTRACTOR'S CERTIFICATION AND TEST BE PROVIDED AT TIME OF INSPECTION. SCHEDULE INSPECTION AT WWW.CLARKCOUNTYNV.GOV/DEPTS/FIRE.
- H. FIRE HYDRANTS SHALL BE LOCATED 4' TO 7' FROM BACK OF CURB AND A MINIMUM OF 6 FEET AWAY FROM UTILITY TRENCHES.
- I. BLUE REFLECTIVE MARKERS MUST BE INSTALLED BEFORE FINAL HYDRANT ACCEPTANCE CAN BE ATTAINED (SECTION 503.2.3 OF THE CLARK COUNTY FIRE CODE).
- J. HYDRANTS THAT ARE PROPOSED FOR INSTALLATION IN PUBLIC WATER SYSTEMS SHALL BE IN ACCORDANCE WITH APPROVED FIRE HYDRANTS AS ALLOWED BY THE WATER PURVEYOR. HYDRANTS PROPOSED FOR INSTALLATION IN NON-PUBLIC WATER SYSTEMS SHALL BE IN ACCORDANCE WITH APPROVED FIRE HYDRANTS AS ALLOWED BY THE FIRE DEPARTMENT.

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 I DENTIFIED ABOVE.
2. ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2000 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 2000 EDITION OF THE UDACS.
9. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED, AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD DISTRIBUTION SYSTEM.
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 PRE-APPROVED MATERIALS AND MANUFACTURER'S LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.
13. TELEPHONE "CALL BEFORE YOU DIG" AT "811" OR 1-800-227-2600.

4. DISMARE FOR JSM
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT # 123716 DATE: 10/27/12

1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATE IN, THE PUBLIC RIGHTS OF WAYS OF THE CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES SECOND TO THE CONSTRUCTION OF THE PERMITMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE CLARK COUNTY TITLE 24.40 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI000000, SECTION III.A.5.
4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS AND ALL BMP'S WEEKLY, AND WITHIN 24 HOURS AFTER ANY ACTUAL RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL USE A DAILY INSPECTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES; REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI000000, SECTION III.A.12.

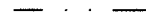
EXISTING		PROPOSED		DESCRIPTION
		ROW OR PROPERTY LINE		
		EASEMENT LINE		
		CENTERLINE		
		CURB		
		VALLEY GUTTER		
		EDGE OF PAVEMENT		
		SIDEWALK		
		SIDEWALK RAMP		
		DRIVEWAY		
		SAWCUT LINE		
		RETAINING WALL		
		FLOOD WALL		
		WROUGHT IRON VEHICULAR GATES		
		WROUGHT IRON PEDESTRIAN GATES		
		INDEX CONTOURS		
		INTERMEDIATE CONTOURS		
		ROUGH GRADE INDEX CONTOURS		
		ROUGH GRADE INTERMEDIATE CONTOURS		
		CUT OR FILL SLOPE		
		CUT AND FILL LINE		
		LOT NUMBER		
		FF AND PAD ELEVATION		
		GRADE SLOPE		

EXISTING		PROPOSED		DESCRIPTION
		SPOT ELEVATION		
		SWALE LINE		
		LOT DIMENSION		
		SIGHT VISIBILITY ZONE		
		WATERLINE MAIN AND SIZE		
		FIRE HYDRANT		
		WATER METER AND SERVICE LATERAL		
		WATER VALVE		
		WATER FITTINGS		
		WATER LINE REDUCER		
		WATER CAP WITH WATER BLOW OFF ASSEMBLY		
		IRRIGATION SLEEVE		
		PRESSURE REDUCING VALVE		
		REDUCED PRESSURE PRINCIPLE ASSEMBLY		
		SEWERLINE MAIN AND SIZE		
		SEWERLINE MANHOLE		
		SEWERLINE CAP		
		SEWER LATERAL		
		BACK WATER VALVE		
		100W HPS STREET LIGHT		
		250W HPS STREET LIGHT		
		400W HPS STREET LIGHT		

AGG	AGGREGATE
ACP	ASBESTOS CEMENT PIPE
AC	ASPHALTIC CONCRETE
AP	ANGLE POINT
BC	BACK OF CURB
BVC	BEGINNING OF VERTICAL CURVE
BM	BENCHMARK
BORY	BOUNDARY
CTL	CABLE TELEVISION
CL	CENTERLINE
CCUSD	CLARK COUNTY UNIFORM STANDARD DRAWINGS
CCWRD	CLARK COUNTY WATER RECLAMATION DISTRICT
CMH	CENTER OF MANHOLE
CO	CLEAN OUT, SEWER
COMM	COMMERCIAL
CONC, PCC	CONCRETE
CONST	CONSTRUCTION OR CONSTRUCT
CU YD, CY	CUBIC YARD
CU FT, CF	CUBIC FEET
CS	CURB CURVE
DCSWCS	DESIGN AND CONSTRUCTION STANDARDS FOR DRAINAGE AND COLLECTION SYSTEMS
DIA	DIAMETER
DWAY	DRIVEWAY
DN	DROP INLET
ESMT	EASEMENT
EP	EDGE OF PAVEMENT
E	ELECTRIC
ELEV	ELEVATION
ECR	END OF CURB RETURN
EVC	END OF VERTICAL CURVE
EX, EXIST	EXISTING
FF	FEET OR FOOT
FG	FINISH GRADE
FT	FEET HYDRANT
FL	FLOW LINE
FUT	FUTURE
GALV	GALVANIZED
PL-G	PLASTIC GAS
S-G	STEEL GAS
GB	GRADE BREAK
HP	HIGH POINT
HDP	HIGH DENSITY POLYETHYLENE
INT	INTERSECTION
INV	INVERT
LVVWD	LAS VEGAS VALLEY WATER DISTRICT
L	LEFT
LF	LINEAR FEET
MH	MANHOLE
MAX	MAXIMUM
R	RADIUS
M	MINIMUM
NTS	NOT TO SCALE
OC	ON CENTER
PMT	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVE
PC	POINT OF CURVE
PT	POINT OF TANGENCY
PCC	PORTLAND CEMENT CONCRETE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
PP	POWER POLE
P	POWER
PL	PROPERTY LINE
POC	POINT OF CONNECTION
PROP	PROPOSED
PB	PULL BOX
PRVC	POINT OF REVERSE VERTICAL CURVE
RP	RADIUS POINT
RPPA	REDUCED PRESSURE PRINCIPLE ASSEMBLY
REINF	REINFORCED
RCB	REINFORCED CONCRETE BOX
RCB	REINFORCED CONCRETE PIPE
R	RIGHT OF RADIUS
R/W	RIGHT-OF-WAY
S, SS	SANITARY SEWER
SHT	SHEET
SW	SIDEWALK
SO FT, SF	SQUARE FOOT
SO YD, SY	SQUARE YARD
STA	STATION
SD	STORM DRAIN
STD	STANDARD
SL	STREETLIGHT
T	TELEPHONE
TEMP	TEMPORARY
TRC	TOP OF CURB
TRC	TOP OF ROLL CURB
TS	TRAFFIC SIGNAL
TSI	TRAFFIC SIGNAL INTERCONNECT
TRANS	TRANSITION
TYP	TYPICAL
UG	UNDERGROUND
UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS

QUANTITY ESTIMATE			
DESCRIPTION	PUBLIC	PRIVATE	
2-INCH ASPHALTIC CONCRETE PAVING	-- SY	--	SY
3-INCH ASPHALTIC CONCRETE PAVING	1,687 SY	--	SY
4-INCH ASPHALTIC CONCRETE PAVING	-- SY	--	SY
5-INCH ASPHALTIC CONCRETE PAVING	-- SY	--	SY
OPEN GRADE	-- SY	--	SY
TYPE I GRAVEL	280 CY	--	CY
TYPE II GRAVEL	185 CY	--	CY
EXCAVATION & EMBANKMENTS	465 CY	--	CY
CURB & GUTTER (24-INCH)	-- LF	--	LF
CURB & GUTTER (30-INCH)	-- LF	--	LF
CONCRETE VALLEY GUTTER	-- SF	--	SF
4-INCH CONCRETE SIDEWALK	-- SF	--	SF
5-INCH CONCRETE SIDEWALK	-- SF	--	SF
SIDEWALK UNDERDRAIN	-- EA	--	EA
3/4" WATER METER	-- EA	--	EA
3/4" METER WITH 1" RPPA	-- EA	--	EA
POWER SERVICE TO LOTS	-- EA	--	EA
SURVEY MONUMENTS	-- EA	--	EA
ADA RAMPS	-- EA	--	EA
"A" CURBS	-- LF	--	LF
TACK ON CURB	-- LF	--	LF
10" CONCRETE BUS TURN OUT	-- SF	--	SF
4-INCH SEWER LATERAL	-- LF	--	LF
8-INCH PVC SEWER MAIN	1,018 LF	--	LF
48-INCH SEWER MANHOLES	3 EA	--	EA
BACKWATER VALVES	-- EA	--	EA
WATER LATERAL	-- LF	--	LF
6-INCH PVC WATER MAIN	-- LF	--	LF
8-INCH PVC WATER MAIN	-- LF	--	LF
10-INCH PVC WATER MAIN	-- LF	--	LF
8-INCH DIP WATER MAIN	-- LF	--	LF
IRRIGATION SLEEVES	-- LF	--	LF
FIRE HYDRANT	-- EA	--	EA
LIGHT STANDARD (STD. BASE)	-- EA	--	EA
ADJUST/RELOCATE STREETLIGHT	-- EA	--	EA
1-1/4 INCH STREET LIGHT CONDUIT	-- LF	--	LF
2 INCH STREET LIGHT CONDUIT	-- LF	--	LF
SL 125 AMP SERVICE PEDESTAL	-- EA	--	EA
4-IN FAST INTERCONNECT CONDUIT	-- LF	--	LF
STREET SIGNS -- STAND ALONE	-- EA	--	EA
PAVEMENT STRIPING -- COLLECTOR	1,036 LF	--	LF
4-INCH WIDE WHITE PAINTED LINE	-- LF	--	LF
FILM FOR CROSSWALKS, STRIPING, ETC.	60 SF	--	SF
USO 601 BARRICADE (5FT)	-- EA	--	EA
#3 1/2 PULLBOX	-- EA	--	EA
18-INCH STORM DRAIN	-- LF	--	LF
24-INCH STORM DRAIN	-- LF	--	LF
30-INCH STORM DRAIN	-- LF	--	LF
48-INCH STORM DRAIN	-- LF	--	LF
11'X5' ARCH CULVERT	-- LF	--	LF
3' CONCRETE CUT-OFF WALL	-- LF	--	LF
TURN T1737 DRAIN	-- EA	--	EA
ZURP C DROP INLET	-- EA	--	EA
17.5-FOOT MOD TYPE C DROP INLET	-- EA	--	EA
20.5-FOOT MOD TYPE C DROP INLET	-- EA	--	EA
60-INCH SD MANHOLE (>6")	-- EA	--	EA
DRAINAGE EASEMENT -- CONCRETE	-- SF	--	SF
RIP RAP (050=6")	-- CY	--	CY
RIP RAP (050=24")	-- CY	--	CY

CHRISTOPHER H.
ZINN
Exp. 6-30-18
CIVIL
NO. 13976
NEVADA
PROFESSIONAL ENGINEER

EXISTING	PROPOSED	DESCRIPTION
		STREET LIGHT CONDUIT AND CAP
		4" FIBER OPTIC CONDUIT AND CAP
		PULLBOX
		REFLECTIVE FIRE HYDRANT MARKER
		STORM DRAIN MAIN AND SIZE
		ROCK RIP RAP
		STORM DRAIN MANHOLE
		STORM DRAIN DROP INLET

CITY OF LAS VEGAS BENCHMARK 6LV99 24SES
A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF
CENTENNIAL PARKWAY AND HUALAPAI WAY.
ELEVATION=844.924 METERS (NAVD'88)
ELEVATION=2772.06 US SURVEY FEET (NAVD'88)

SOUTH 89°47'00" EAST BEING THE BEARING OF THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 30, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN BY MAP THEREOF ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE IN FILE 89, PAGE 3 OF SURVEYS.

4th 58470

307Y 1113

OFFSITE IMPROVEMENT PLANS FOR CENTENNIAL AND TEEPEE BRIGHT ANGEL WAY OFFSITE SEWER FACILITIES GENERAL NOTES, LEGEND AND ABBREVIATIONS		 9.20.15		CLARK COUNTY NEVADA	
DRAWING N-1 SHT 2 OF 5 15-18109		OFFSITE IMPROVEMENT PLANS FOR CENTENNIAL AND TEEPEE BRIGHT ANGEL WAY OFFSITE SEWER FACILITIES GENERAL NOTES, LEGEND AND ABBREVIATIONS			
LENNAR® 2490 PASO VERDE PARKWAY SUITE 120 HENDERSON, NV 89074 PHONE: (702) 736-9100 FAX: (702) 736-9200		RCI Engineering 4325 Dean Martin Road, Suite 300, Las Vegas, NV 89103 PH0702.453.0800 FAX0702.453.0801		DATE: September 21, 2015 HORIZ. SCALE: N/A VERT. SCALE: N/A DRAWN BY: CR DESIGNED BY: CR CHECKED BY: CRZ APPROVED BY: CRZ PROJECT #: 3040.0038	
DATE: September 21, 2015 HORIZ. SCALE: N/A VERT. SCALE: N/A DRAWN BY: CR DESIGNED BY: CR CHECKED BY: CRZ APPROVED BY: CRZ PROJECT #: 3040.0038		DESCRIPTION BY APPD DATE			

:\3040_LENK\0038_Centennial and Tee Pee\civil\IPS\OFFSITE_BRIGHT ANGEL\S002_N01.dwg czrinyi 9/21/15 11:58am

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

AVOID CUTTING UNDERGROUND
UTILITY LINES. IT'S COSTLY.

Call
811



OR
1-800-227-2600

FAST

Call
before you

UnderGround
1-702-432-5300

FREEWAY AND ARTERIAL
SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD
POWER LINES. IT'S COSTLY.

**CALL BEFORE
YOU DO
OVERHEAD**



1-702-227-2929

CITY OF LAS VEGAS BENCHMARK 6LV99 24SES
A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF
CENTENNIAL PARKWAY AND HUALAPAI WAY.

ELEVATION=844.924 METERS (NAVD'88)
ELEVATION=2772.06 US SURVEY FEET (NAVD'88)

SOUTH 89°47'00" EAST BEING THE BEARING OF THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 30, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN BY MAP THEREOF ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE IN FILE 89, PAGE 3 OF SURVEYS.

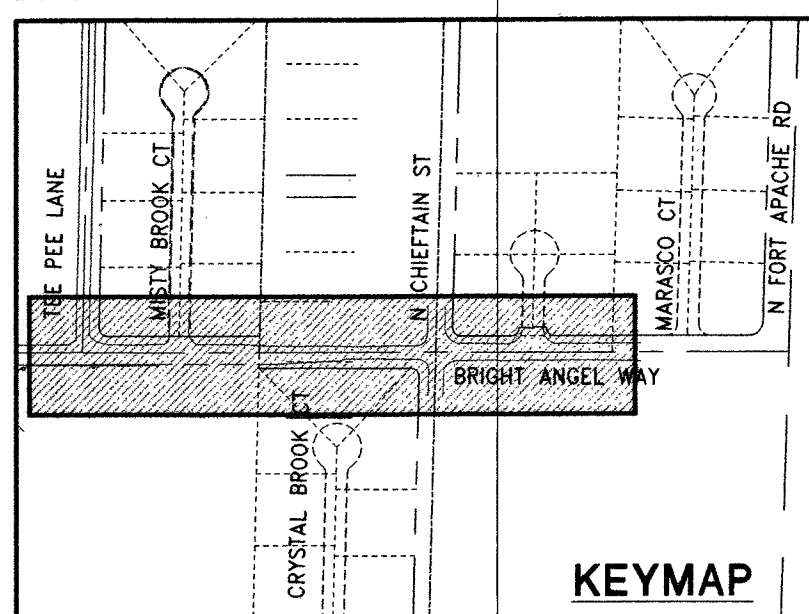
21 INSTALL 4" STANDARD MANHOLE (PER DCSWCS STD. No. SD-1A, SD-4, SD-5 & SD-6)

22 INSTALL 8" SEWER CAP AND 1 CU-FT THRUST BLOCK @ CAP

23 CORE INTO EXISTING MH BASE CONTRACTOR MAY CORE INTO EXISTING MANHOLE BASE ONLY IF RESULTING FLOW CHANNELS MEET ALL REQUIREMENTS OF THE DESIGN STANDARDS AS DETERMINED BY THE CITY OF LAS VEGAS INSPECTOR. OTHERWISE MANHOLE BASE WILL NEED TO BE REPLACED.

1. ALL SEWER/STORM DRAINS CROSSING WATERLINES MUST CONFORM TO SECTION 2.22 OF UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES.

1. EXISTING UTILITIES AS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY BOTH VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. ENGINEER ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN INCORRECTLY OR OTHERWISE NOT SHOWN



30' 15' 0' 30' 6'

SCALE: 1" = 30'

MATCHLINE SEE BELOW LEFT
 35.0
 30%

MATCHLINE SEE ABOVE RIGHT

REV	DESCRIPTION	BY	APPD	DATE
	DATE: October 14, 2015			
	HORIZ. SCALE: 1"=30'			
	VERT. SCALE: N/A			
	DRAWN BY: CR			
	DESIGNED BY: CR			
	CHECKED BY: CR			
	PROJECT # 3040-0038			

LENNAR®
2490 PASO VERDE PARKWAY SUITE 120 HENDERSON, NV 89074
PHONE: (702) 736-9100 FAX: (702) 736-9200

RCI *Engineering*

4325 Dean Martin Road, Suite 300, Las Vegas, NV 89103

**OFFSITE IMPROVEMENT PLANS FOR
CENTENNIAL AND TEEPEE
BRIGHT ANGEL WAY OFFSITE SEWER FACILITIES
UTILITY PLAN**

10-14-15

DRAWING

U-1

SHT **3** OF **5**

HTE NUMBER

15-18109

APPROVED FOR CONSTRUCTION

Y. D. SHARI FOR [Signature]

LAS VEGAS VALLEY-WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE: 10/27/13 PROJECT# 123716

CLARK COUNTY FIRE DEPARTMENT APPROVAL	
BY: <i>E. Kamrila</i> APPROVAL OF THESE PLAIDS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR ANY APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.	10-20-15 DATE APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED <u>PRIOR</u> TO OBTAINING FINAL APPROVAL FROM THE LYVWD. <i>44 58479</i> <i>3074113</i>

REPLACE ALL TRAFFIC CONTROL DEVICES (SIGNS OR PAVEMENT MARKINGS), UNDER CLARK COUNTY'S JURISDICTION, THAT ARE DISTURBED, DESTROYED, MOVED OR MODIFIED BY TRENCHING ACTIVITIES TO CLARK COUNTY'S SATISFACTION. ALL MATERIAL SHALL MEET CLARK COUNTY'S SPECIFICATIONS OR WILL BE AN APPROVED EQUIVALENT.

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

**Call
811**

1-800-227-2600^{OR}



1-702-227-2929

CITY OF LAS VEGAS BENCHMARK 6LV99 24SES
A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF
CENTENNIAL PARKWAY AND HUALAPAI WAY.
ELEVATION=844.924 METERS (NAVD'88)
ELEVATION=2772.06 US SURVEY FEET (NAVD'88)

SOUTH 89°47'00" EAST BEING THE BEARING OF THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 30, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN BY MAP THEREOF ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE IN FILE 89, PAGE 3 OF SURVEYS.

21 INSTALL 48" STANDARD MANHOLE (PER DCSWCS STD. No. SD-1A, SD-4, SD-5 & SD-6)

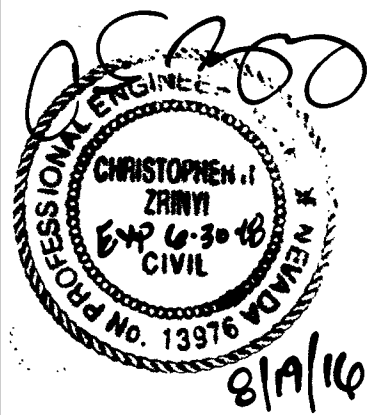
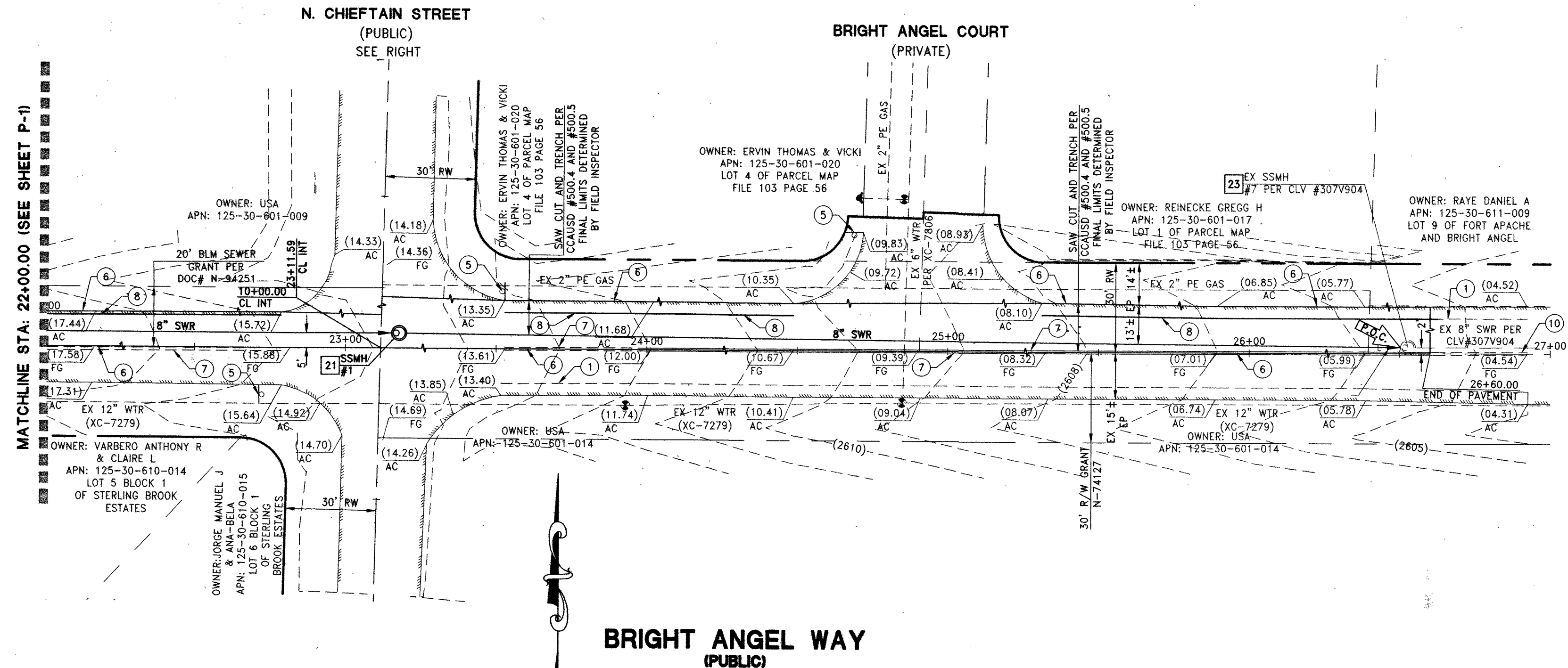
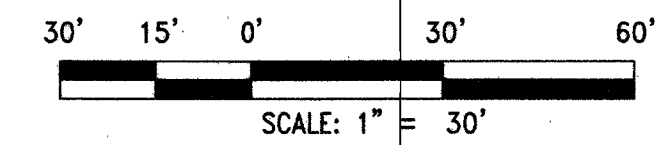
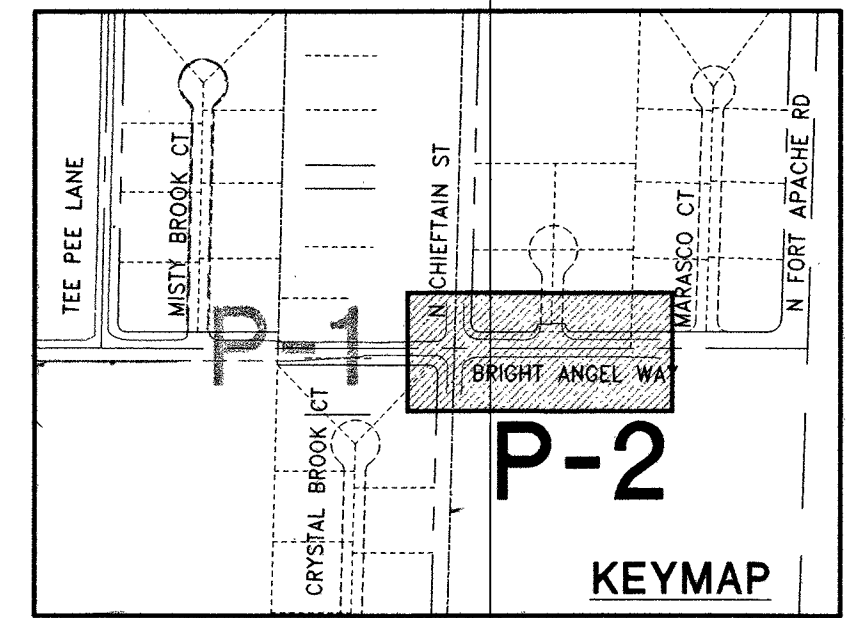
22 INSTALL 8" SEWER CAP AND 1 CU-FT THRUST BLOCK @ CAP

23 CORE INTO EXISTING MH BASE CONTRACTOR MAY CORE INTO EXISTING MANHOLE BASE ONLY IF RESULTING FLOW CHANNELS MEET ALL REQUIREMENTS OF THE DESIGN STANDARDS AS DETERMINED BY THE CITY OF LAS VEGAS INSPECTOR. OTHERWISE MANHOLE BASE WILL NEED TO BE REPLACED.

1. ALL SEWER/STORM DRAINS CROSSING WATERLINES MUST CONFORM TO SECTION 2.22 OF UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSING AND CLEARANCES.

1. EXISTING UTILITIES AS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY BOTH VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. ENGINEER ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN INCORRECTLY OR OTHERWISE NOT SHOWN.

- 1 EXISTING PAINTED EDGE LINE TO REMAIN
- 2 EXISTING SCHOOL SPEED LIMIT SIGN TO REMAIN
- 3 REPLACE CROSSWALK MARKINGS ALONG SAWCUT/TRENCH AREA PER CCAUSD 254
- 4 EXISTING PEDESTRIANS AHEAD SIGN TO REMAIN
- 5 EXISTING STOP SIGN AND STREET NAME SIGN TO REMAIN
- 6 TRENCH BACKFILL AND A.C. PAVEMENT RESTORATION PER CCAUSD #500.4 & 500.5
- 7 INSTALL TYPE 1 CENTERLINE DELINEATION PER CCAUSD No. 244
- 8 INSTALL 4" WHITE EDGE LINE
- 9 CROSSWALK MARKINGS TO REMAIN
- 10 EXISTING TYPE 1 CENTERLINE DELINEATION



LENNAR®
2490 PASEO VERDE PARKWAY SUITE 120 HENDERSON, NV 89074
PHONE: (702) 736-9100 FAX: (702) 736-9200

RCI

4325 Dean Martin Road, Suite 300, Las Vegas, NV 89103
PH#702.453.0800 FAX#702.453.0801

10

E_BRIGHT ANGEL\SON

C:\3040_LEMR\0038_Centennial and Tee Pee\CIVIL\IPS\OFFSITE_BRIGHT ANGEL\S005_P02.dwg	10/07/15	10:58am
--	----------	---------

APPROVED FOR CONSTRUCTION

4 DISHARI ER. Jm
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: 10/27/15 PROJECT# 123716

**CLARK COUNTY DEPARTMENT
OF PUBLIC WORKS
DEVELOPMENT REVIEW**

ACCEPTANCE OF PLANS FOR FILING BY

BY

ACCEPTANCE OF THESE PLANS SHALL NOT BE CONSTRUED FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND/OR SPECIFICATIONS. CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN.

DESIGN DEPICTED HEREIN.
NOTE: POWER POLES AND/OR OTHER EXISTING
FACILITIES NOT IN THEIR PROPER LOCATION
BASED ON PROPOSED IMPROVEMENTS SHOWN
HEREON WILL BE RELOCATED AT NO EXPENSE
TO CLARK COUNTY.

REPLACE ALL TRAFFIC CONTROL DEVICES (SIGNS OR PAVEMENT MARKINGS), UNDER CLARK COUNTY'S JURISDICTION, THAT ARE DISTURBED, DESTROYED, MOVED OR MODIFIED BY TRENCHING ACTIVITY TO CLARK COUNTY'S SATISFACTION. ALL MATERIAL SHALL MEET CLARK COUNTY'S SPECIFICATIONS OR WILL BE AN APPROVED EQUIVALENT.

HA 58479
3074113

CENTENNIAL AND TEEPEE
BRIGHT ANGEL WAY OFFSITE SEWER FACILITIES
PLAN AND PROFILE - BRIGHT ANGEL WY
STA: 22+00.00 - 27+00.00

Professional Engineer Seal for Christopher R. Zrinyi, State of Nevada, Civil, Exp. 6/30/2016, No. 13976.

10.7.15

P-2

SHT 5 OF 5

HTE NUMBER
15-18109