

CITY OF LAS VEGAS STREETLIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATION 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" (USD), LATEST REVISION.

2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS, ETC., LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE TRAFFIC AND CITY ENGINEER. ANY DEVIATION FROM THE PLAN LOCATION WILL REQUIRE COMPLIANCE WITH SECTION 623 OF THE USS.

3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 623 G.03.01 OF THE USS.

4. ALL EMPTY CONDUIT SHALL HAVE AT LEAST ONE GREEN NO. 48 AWG WIRE INSTALLED AS TRACER WIRE IN ACCORDANCE WITH SECTION 623 G.02.01 OF THE USS PRIOR TO BACKFILLING AND FINAL INSPECTION.

5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN COMPLIANCE WITH USD 3204 WHEN POLE IS INSTALLED BEHIND SIDEWALK, AND SHALL AT NO TIME COMPLETELY ENCLOSE THE STREET LIGHTING POLE.

6. 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.

7. SERVICE POINTS SHALL BE COORDINATED WITH NV ENERGY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICEPOINTS SHALL BE SHOWN ON THE PLANS.

8. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREETLIGHTING 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.

9. THE CONTRACTOR SHALL FURNISH COMPLETE CONDUIT, WIRE, ETC. FROM SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON THE PLANS.

REVISED JUNE 28, 2016 (LD VERSION)

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 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:

A. PAVEMENT AREA SUBGRADE	HORIZONTAL 0.1+	VERTICAL +0.0 TO -0.1"	COMPACTION 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 CONSIDERATION 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.

REVISED 04/15/10

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. POLYVNYL (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 LVWD 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 REWORKED 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.

REVISED 04/15/10

CITY OF LAS VEGAS FIRE DEPARTMENT NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE & 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 DISTRICT'S - APPROVED PRODUCTS LIST ARE ALLOWED TO BE INSTALLED.

3. A PERMIT IS REQUIRED FROM LAS VEGAS FIRE & RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTORS MATERIAL TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK. [IFC § 105.7.12]

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. [IFC § 3310, § 3312]

5. TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF STREET ADJACENT TO THE FIRE HYDRANTS. [IFC § 507.5.7.3]

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 PRIOR FIRE PREVENTION APPROVAL. [IFC § 106.3]

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. [IFC § 507.2.1, NFPA 24]

8. PAINTING OF 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. [IFC § 507]

9. PRIVATE HYDRANTS SHALL BE PAINTED RED. [IFC § 507.5.7.1]

10. PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST SHALL BE WITNESSED BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. [IFC § 507]

11. FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: [IFC § C102]

RESIDENTIAL - 500 FEET UNSPRINKLERED; 600 FEET SPRINKLERED.
COMMERCIAL - 300 FEET UNSPRINKLERED; 400 FEET SPRINKLERED.

12. WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT SPACING. PROVIDE FIRE PROTECTION TRANSPORTATION HAZARDS, WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) 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. [IFC § C102.8]

13. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.

14. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. [IFC § C102.12]

15. A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AN APPROVED ROUTE. [IFC § C102.4]

16. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FT, AS MEASURED BY AN APPROVED ROUTE. [IFC § C102.7]

17. THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. [IFC § C102.6]

18. TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE IS 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS ARE 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. [IFC § C104]

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. [IFC § 503.2.3]

20. THE GRADIENT FOR THE FIRE APPARATUS ROADS SHALL NOT EXCEED 12% ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25 FT PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. [IFC § 503.2.7, § 503.2.8]

21. THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FT OUTSIDE AND 28 FT INSIDE TURNING RADIUS. [IFC § 503.2.4]

22. VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13 FT 6 INS. [IFC § 503.2.1]

23. FIRE DEPARTMENT ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 40 FT FLOW LINE TO FLOW LINE WITH PARALLEL PARKING PERMITTED ON BOTH SIDES, NOT LESS THAN 32 FT WIDE, FLOW-LINE TO FLOW-LINE, WHERE PARKING IS PERMITTED ONLY ON ONE SIDE OF THE FIRE APPARATUS ACCESS ROAD, NOT LESS THAN 24 FT 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 FT. [IFC § 503.2.1.1]

24. FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. THIS DISTANCE COULD BE INCREASED TO 250 FT IF THE BUILDING IS SPRINKLERED. [IFC § 503.1.1]

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 FT. COMMERCIAL AND INDUSTRIAL DEVELOPMENTS WHERE BUILDINGS EXCEED 2 STORIES OR 30 FT IN HEIGHT, OR EXCEEDING 62,000 SQ FT IN AREA. [IFC § 503.1.2]

26. ALL DEAD-END FIRE APPARATUS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FT IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND HAVING A MINIMUM DIAMETER OF 81 FT. [IFC § 503.2.5]

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 OF 100 FT ALONG THE DESIGNATED FIRE LANES. SIGNS TO BE PLACES ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10FT OR LESS THAN 6 FT FROM THE ROADWAY LEVEL. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. [IFC § 503.3]

28. ELECTRONICALLY 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 APPENDIX M.

EFFECTIVE DATE: 03-01-2016

DEVIATIONS FROM STANDARDS

NOTE.

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 EDITION. THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA, NEVADA", LATEST REVISION EDITION, THE "SUMMERLIN PROJECT 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 UTILITIES, INTERFERENCES 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 (1/2) ABOVE UP IN 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 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 16, 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 LINES, 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. AFTER HAUNCHING AND PRIOR TO BACKFILL OPERATIONS WHICH WOULD COVER SANITARY SEWER AND STORM DRAIN FACILITIES, CONTRACTOR IS REQUIRED TO SCHEDULE A CLV OPEN-TRENCH UTILITY SURVEY INSPECTION FOR DETERMINATION OF FINAL LOCATION COORDINATES. FACILITIES TO BE LOCATED BY CLV SHALL INCLUDE AT A MINIMUM THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF ALL PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES AND TRANSITION STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN AND THE CONNECTION TO A DROP INLET, THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER LATERALS TO THE SEWER MAIN AND WHERE THE CONNECTION OF EXISTING LATERALS EXIT THE PUBLIC RIGHT-OF-WAY, SEWER AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS.

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.

REVISED 02/03/15

SOUTHERN NEVADA - SOUTHWEST GAS CORPORATION 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.

ALL CIVIL IMPROVEMENT PLANS MUST INCLUDE SOUTHWEST GAS CORPORATION HIGH PRESSURE NOTES ON THE NOTES SHEET AND ALL SHEETS DEPICTING HIGH PRESSURE NATURAL GAS MAINS AS INDICATED BELOW:

CAUTION: HIGH PRESSURE GAS!!

CALL SOUTHWEST GAS AT 702-400-1789 FOR STAND-BY

WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS

LINES 48 HOURS PRIOR TO CONSTRUCTION.

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 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 "SUGGESTED ROUTE TO SCHOOL" IS ENCLOSED 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 GUARDRAIL AND "CROSSING GUARD" SIGNAGE. THE GUARDRAIL SHALL BE MAINTAINED FOR THE DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.

5. IF THE IMPROVEMENTS NECESSITATE THE OBSTRUCTION, 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 RETROREFLECTIVE SHEETING IN ACCORDANCE WITH CCAUSS 627 AND 716 AND SHALL HAVE AN ANTI-GRAFFITI PROTECTIVE OVERLAY FILM THAT IS A MATCHING COMPONENT TO, AND OF THE SAME MANUFACTURER AS THE RETROREFLECTIVE SHEETING TO WHICH IT IS APPLIED. 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 INSTALLED 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 STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS. 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.

10. 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.

11. 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.

12. 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.

13. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

14. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE FOLLOWING WATER PLAN APPROVAL NOTICE SHALL BE GIVEN 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.

REVISED 7/3/13

LAS VEGAS VALLEY WATER DISTRICT NOTES

LVVWD PROJECT # 126461

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 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.

14. THE INSTALLATION OF LAS VEGAS VALLEY WATER DISTRICT (LVVWD) MUNICIPAL WATER FACILITIES WITHIN A STREET IS REQUIRED 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 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 LEAD WORK 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.

APPROVED FOR CONSTRUCTION

SHAO

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES

PROJECT NO. 126461 FIRST APPROVED 8/13/18

QUANTITIES

DESCRIPTION	PUBLIC QUANTITY
TYPE II GRAVEL	10 CY
CURB & GUTTER "L & A" CURB	5 LF
COMMERCIAL DRIVEWAY	508 SF
4-INCH CONCRETE SIDEWALK	550 SF
8-INCH SEWER (PRIVATE)	15 LF
WATER MAIN MISCELLANEOUS	1 EA

NOTE:
THIS QUANTITY ESTIMATE IS FOR BONDING PURPOSES ONLY.
CONTRACTOR TO DETERMINE INDEPENDENT ESTIMATIONS.

THE QUANTITY ESTIMATE SHOWN HERE IS FOR EXAMPLE ONLY. ALL DRAFTERS NEED TO CHECK WITH THEIR PROJECT MANAGER BEFORE USING THIS QUANTITY ESTIMATE. SOME PROJECT MANAGERS MAY LIKE IT AND SOME MAY NOT. IT IS NOT REQUIRED IN CLARK COUNTY TO SHOW A QUANTITY ESTIMATE ON THE NOTE SHEET. IT IS MANDATORY, HOWEVER, TO SHOW A QUANTITY ESTIMATE ON THE NOTE SHEET IN CITY OF LAS VEGAS JURISDICTION. IF AND ONLY IF YOUR PROJECT ENGINEER WANTS THE QUANTITY ESTIMATE TO SHOW, THEN CHANGE IT TO THE APPROPRIATE LAYERS ALREADY DEFINED IN THIS DRAWING.

Consultant:

Lochsa

Engineering

6345 South Jones Blvd.
Suite 100
Las Vegas, NV 89118
Phone (702) 365-8912
Fax (702) 365-9917
www.lochsa.com

4-30-2018

HUNTRIDGE SHOPPING CENTER

NEW COMMERCIAL PADS

1122 S MARYLAND PKWY, LAS VEGAS, NV 89104

Project:

Drawing:

BUNNYFISH studio

702 241 9751

208 S. Maryland Pkwy
Suite A, Las Vegas
Nevada, 89101

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PROFESSIONAL ENGINEER
STATE OF NEVADA
JUL 11
122010
EXP. 06/30/19
CIVIL
No 020326

7-02-2018

Project No.: 16-0907
LOCHSA JOB NO.: 181010

Sheet No.: 2 OF 9

C1.01

16-0907
LOCHSA JOB NO.: 181010

Sheet No.: 2 OF 9

C1.01

LEGEND

CL OR SURVEY LINE

PROPERTY LINE

ROW LINE

EASEMENT LINE

SAWCUT LINE

SCARP LINE

DESCRIPTION:

EXISTING:

PROPOSED:

BUILDING OUTLINE

EDGE OF PAVEMENT

"A" TYPE CURBS

"L" TYPE CURBS

WALLS

CONTOUR LINES

AC PAVEMENT

CONCRETE

SPOT ELEVATIONS

SIGNS

MANHOLE W/ DESCRIPTION

MANHOLE DESCRIPTIONS

FIRE HYDRANTS

GATE VALVES

REDUCERS

CLEAN OUTS

UTILITY BOX OR VAULT

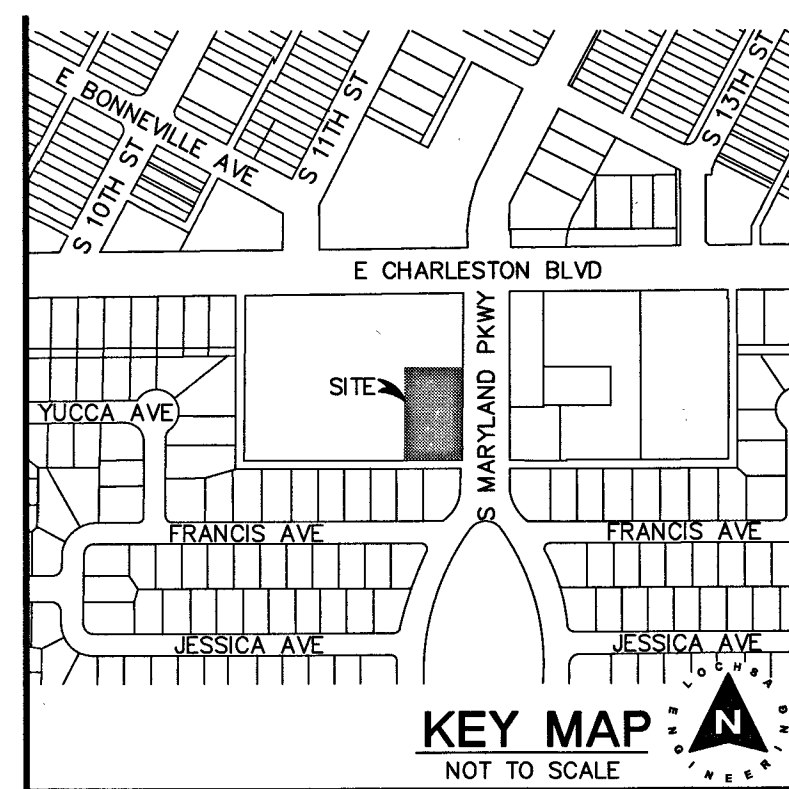
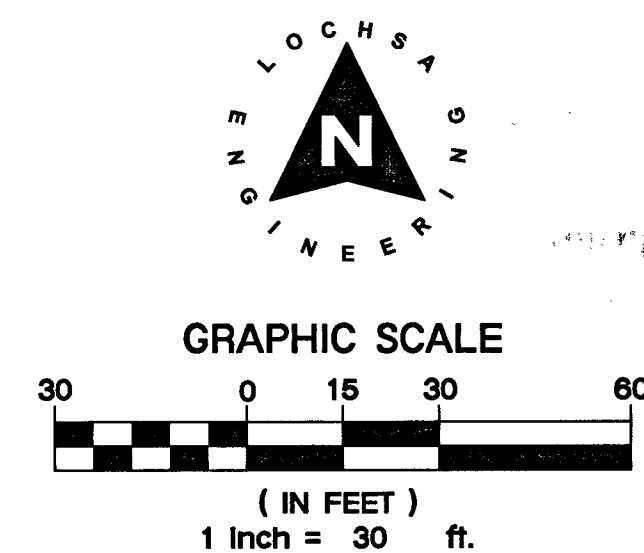
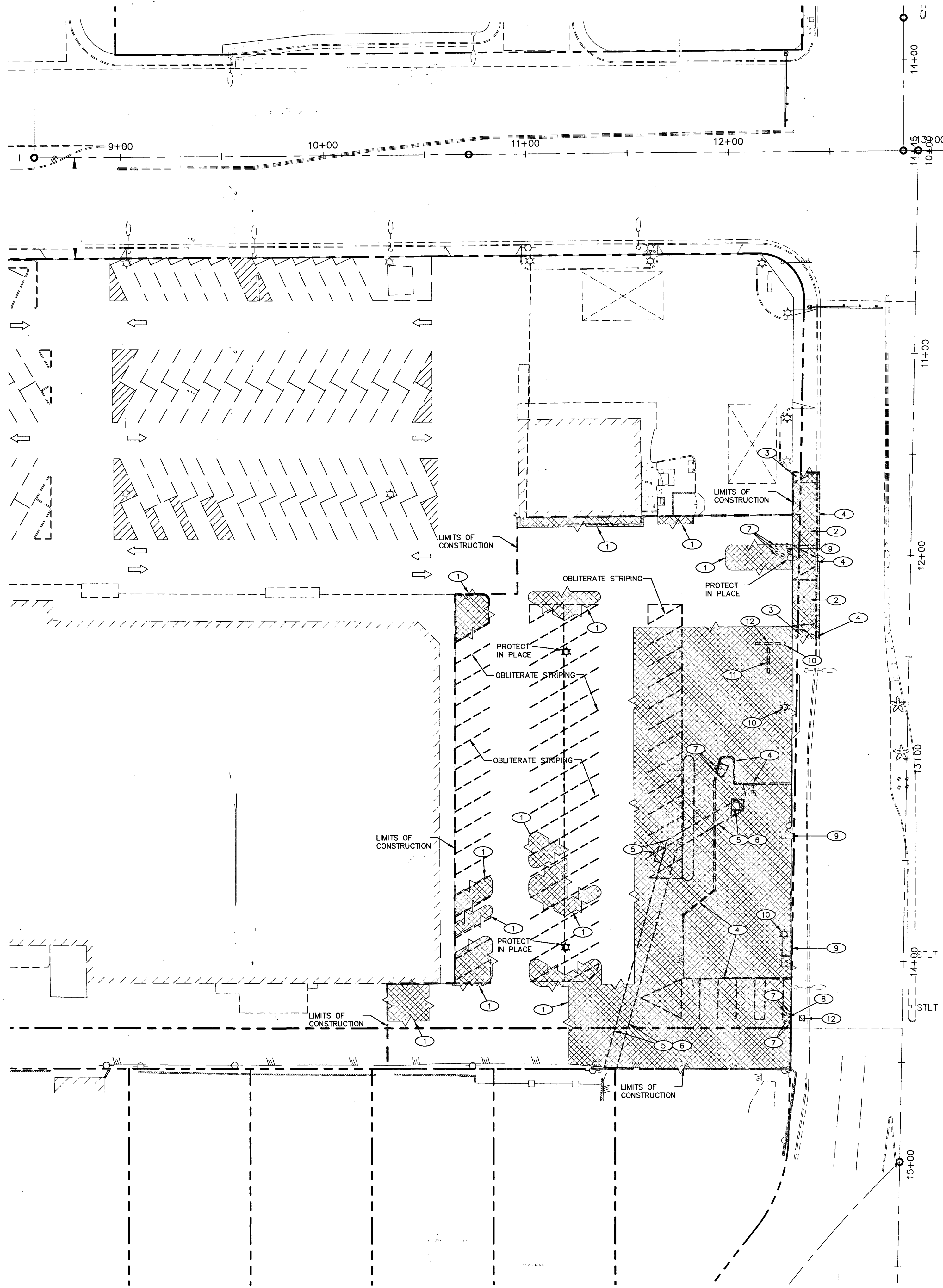
100W HPS STREETLIGHTS

150W HPS STREETLIGHTS

200W HPS STREETLIGHTS

250W HPS STREETLIGHTS

PROJ# 126461-A QS-162-03-NE



DEMOLITION NOTES:

- NOT ALL NOTES USED ON THIS SHEET -

- 1 SAW-CUT AND REMOVE EXISTING ASPHALT.
- 2 SAW-CUT AND REMOVE EXISTING DRIVEWAY.
- 3 SAW-CUT AND REMOVE EXISTING SIDEWALK.
- 4 REMOVE EXISTING CURB AND GUTTER.
- 5 REMOVE EXISTING UNDERGROUND ELECTRIC AND TRANSFORMER BY OTHERS.
- 6 REMOVE EXISTING UNDERGROUND TELEPHONE BY OTHERS.
- 7 REMOVE EXISTING BOLLARDS.
- 8 REMOVE EXISTING P.I.V. / REMOTE F.D.C.
- 9 PROTECT IN PLACE EXISTING WATER METER AND BACKFLOW DEVICE.
- 10 REMOVE EXISTING AREA LIGHT, SALVAGE AND RETURN TO OWNER.
- 11 REMOVE EXISTING CITY BIKE RENTAL STATION, COORDINATE WITH OWNER AND THE CITY OF LAS VEGAS.
- 12 REMOVE EXISTING BILLBOARD SIGN AND BASE, COORDINATE WITH OWNER.
- 13 REMOVE EXISTING 8" DETECTOR CHECK AND ABANDON EXISTING VAULT PER DETAIL 3 SHEET C6.01.

LEGEND:

- SAW-CUT LINE
- ASPHALT AND EXISTING IMPROVEMENTS TO BE REMOVED.
- LIMITS OF CONSTRUCTION

APPROVAL

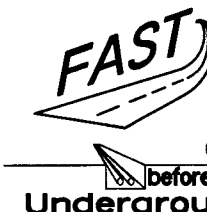
SOUTHWEST GAS CORPORATION	DATE
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APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. 126461 FIRST APPROVED 8/13/18

UTILITY NOTE:

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY. Call before you Dig. Avoid hitting overhead power lines. It's costly.



A.P.N.:
182-03-513-008

BASIS OF BEARINGS:

THE BASIS OF BEARING FOR THE SURVEY IS THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 34, TOWNSHIP 20 SOUTH, RANGE 61 EAST M.D.M., AS SHOWN IN FILE 67 OF SURVEYS PAGE 76, IN THE OFFICE OF THE RECORDER, CLARK COUNTY, NEVADA.

SAID LINE BEARS NORTH 89°36'01" EAST.

BENCHMARK:

BENCHMARK NO. 2LV0134556
RIVET & PLATE IN TOP OF CURB NE CORNER OF CHARLESTON & MARYLAND PARKWAY.
ELEVATION: 1,077.81 FEET / 602.777 METERS (NAVD 88)

L18-01018
1077401

LEGEND	CL OR SURVEY LINE	EASEMENT LINE	DESCRIPTION:	BUILDING OUTLINE	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	CONTOUR LINES	AC PAVEMENT	CONCRETE	SPOT ELEVATIONS	SIGNS	MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	100w HPS STREETLIGHTS	150w HPS STREETLIGHTS	200w HPS STREETLIGHTS	250w HPS STREETLIGHTS
	PROPERTY LINE	SAWCUT LINE	EXISTING:																					
	ROW LINE	SCARP LINE	PROPOSED:																					

Issues and Revisions		

Consultant:

Lochsa
engineering

6345 South Jones Blvd.
Suite 100
Las Vegas, NV 89118
Phone (702) 365-8312
Fax (702) 365-8317
www.lochsa.com

4-30-2018

Project: **HUNTRIDGE SHOPPING CENTER**
NEW COMMERCIAL PADS
1122 S MARYLAND PKWY, LAS VEGAS, NV 89104

Drawing: **DEMOLITION PLAN**

BUNNYFISH
studio
702 241 9751
208 S. Maryland Pkwy
Suite A, Las Vegas
Nevada, 89101

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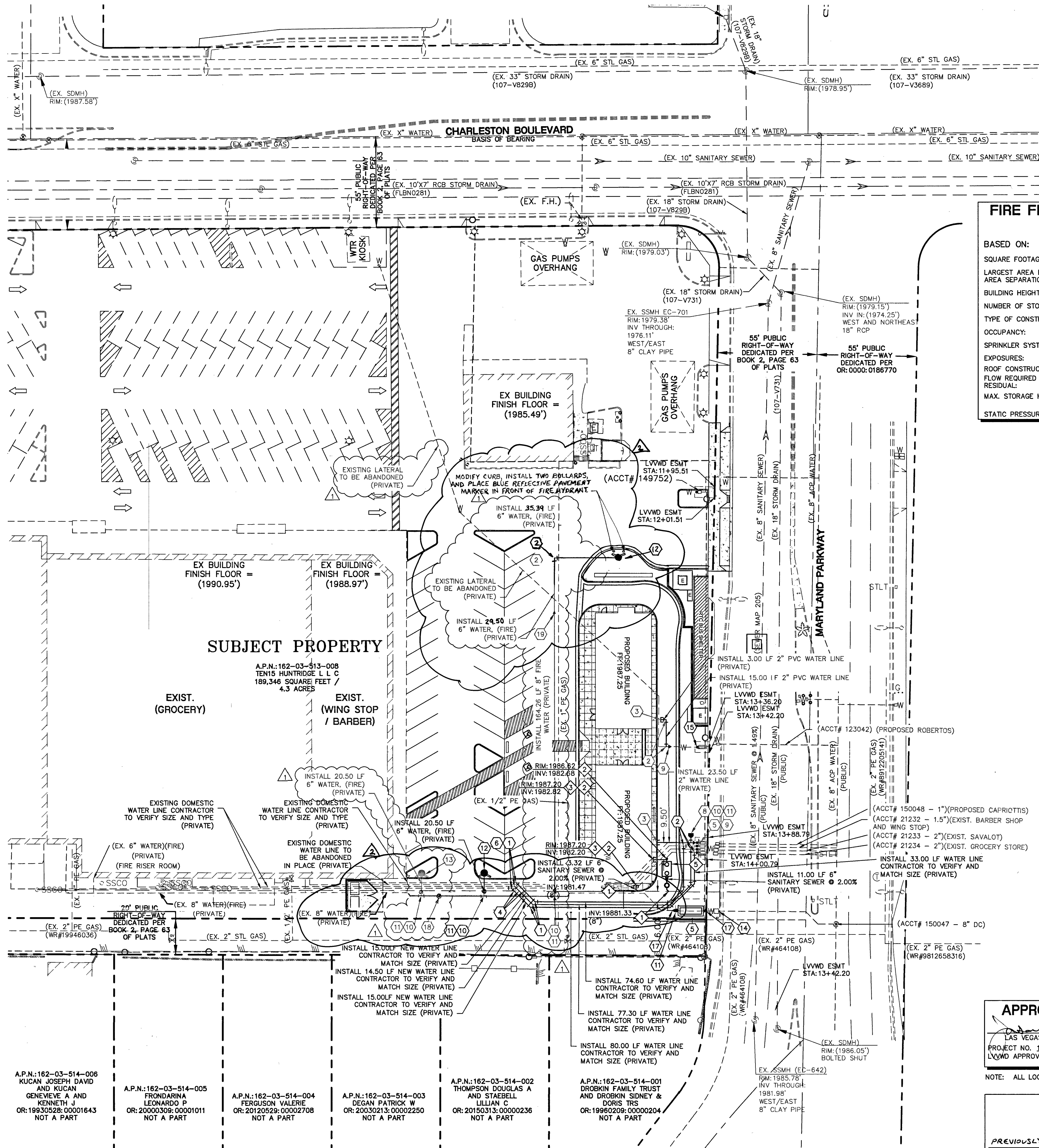
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Project No.: 16-0907
LOCHSA JOB No.: 181010

Sheet No.: 3 OF 9

C2.00

PROJ# 126461-A QS:182-03-NE



FIRE FLOW CALCULATIONS

BASED ON:	
SQUARE FOOTAGE:	4,569
LARGEST AREA BETWEEN 4 HR.	N/A
AREA SEPARATION WALLS:	N/A
BUILDING HEIGHT:	28'-2"
NUMBER OF STORIES:	1
TREE TYPE OF CONSTRUCTION:	VB
OCCUPANCY:	A2
SPRINKLER SYSTEM:	N/A
EXPOSURES:	1
ROOF CONSTRUCTION:	CLASS "C"
FLOW REQUIRED @ 20 PSI	1,750
RESIDUAL:	
MAX. STORAGE HEIGHT:	N/A
STATIC PRESSURE:	(77 P.S.I.)

NOTE:

PROTECT IN PLACE AND ADJUST LVWD EXISTING FACILITIES TO FINISH GRADE. ALL LVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

NOTE:

CONTRACTOR TO INCLUDE COST OF UNDERGROUND UTILITY DETECTION COMPANY TO LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO ANY DEMOLITION OR EXCAVATION. ENGINEER TO BE PROVIDED WITH AS-BUILT SKETCH OF EXISTING UTILITIES, AND IS TO BE NOTIFIED IMMEDIATELY OF ANY POTENTIAL CONFLICTS WITH PROPOSED UTILITIES AND/OR FINISHED GRADES.

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

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

WATER CONSTRUCTION NOTES:

- ALL WATER CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS)" LATEST EDITION. - NOT ALL NOTES USED ON THIS SHEET -

1. INSTALL 45° BEND W/THRUST BLOCK (SAME SIZE AS PIPE) PER UDACS PLATE NO. 31.
2. INSTALL 90° BEND W/THRUST BLOCK (SAME SIZE AS PIPE) PER UDACS PLATE NO. 31.
3. STUB & CAP WATER SERVICE. REFER TO PLUMBING PLANS FOR CONTINUATION.
4. CONTRACTOR TO VERIFY CROSSING AND INSTALL WATER PER UDACS SECTION 22.2.
5. CONTRACTOR TO CONNECT TO EXISTING 1-1/2" METER AND RPPA.
6. INTERCEPT EXISTING WATER LINE, INSTALL NEW WATER LINE, CONTRACTOR TO FIELD VERIFY SIZE.
7. REMOVE EXISTING WATER LINE.
8. INSTALL 1" IRRIGATION STUB. SEE LANDSCAPE PLANS FOR CONTINUATION.
9. INSTALL 1-1/2" X 2" INCREASER REDUCER.
10. INSTALL TEE SAME SIZE AS PIPE.
11. INSTALL VALVE SAME SIZE AS PIPE.
12. INSTALL FIRE HYDRANT PER UDACS PLATE NO. 40.
13. INSTALL REMOTE (F.D.C.) CONTRACTOR TO LOCATE AND INTERCEPT EXISTING LINE AND CONNECT. SEE SHEET C5.00 FOR REMOTE (F.D.C.) SIGN DETAIL.
14. REMOVE EXISTING 8" DC AND ABANDON EXISTING VAULT PER DETAIL 3, SHEET C6.01.
15. INSTALL CURB STOP PER DETAIL 4, SHEET C6.01.
16. INSTALL 10" R.P.D.A. PER UDACS PLATE NO. 59.
17. INSTALL 8" X 10" INCREASER REDUCER.
18. INSTALL 8" CHECK VALVE, WITH VAULT AND TRAFFIC RATED LID.
19. INSTALL 8"x6" INCREASER REDUCER.

SEWER CONSTRUCTION NOTES:

- NOT ALL NOTES USED ON THIS SHEET -

- ALL GRAVITY SANITARY SEWER LINES TO BE SDR-35 PVC.
1. INSTALL WYE LATERAL CONNECTION PER DCSWCS DWG. NO. SD-22.
 2. STUB & CAP SANITARY SEWER SERVICE. REFER TO PLUMBING PLANS FOR CONTINUATION.
 3. INSTALL CLEAN OUT PER DETAIL 7 SHEET C6.00
 4. INSTALL LATERAL C-900 PVC PER DCSWCS DWG. NO. SD-14 AND SD-17.
 5. INSTALL GREASE INTERCEPTOR WITH HEAT TRACE LINE PER MECHANICAL PLANS, SHOWN FOR REFERENCE ONLY.

NOTE:

ALL ABOVE GROUND UTILITY SHALL COMPLY WITH TITLE 19.08.010 UTILITY SCREENING REQUIREMENTS. ALL ABOVE GROUND UTILITIES GREATER THAN 27 CUBIC FEET SHALL BE SETBACK A MINIMUM OF 3' FROM THE BACK OF SIDEWALK AND SHALL INCLUDE VEGETATION THAT UPON MATURITY WILL ADEQUATELY SCREEN SUCH EQUIPMENT FROM PUBLIC VIEW.

CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL

BY: *[Signature]* DATE: 4/3/19

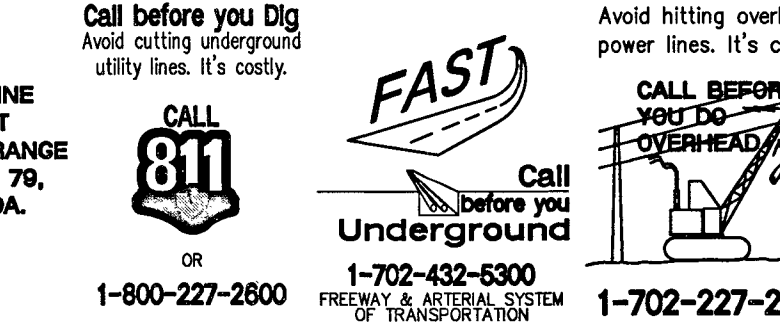
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW 1,750 GPM AT 20 P.S.I. RESIDUAL.

FIRE DEPARTMENT APPROVAL

APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LAS VEGAS VALLEY WATER DISTRICT.

UTILITY NOTE:

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APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. 126461 FIRST APPROVAL DATE: 5-13-18
LVWD APPROVED FIRE FLOW: TOTAL 1750 GPM/ONSITE 1750 GPM

NOTE: ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE

APPROVAL
PREVIOUSLY APPROVED ON: 7-23-18
DATE
SOUTHWEST GAS CORPORATION

A.P.N.:

182-03-513-008

BASIS OF BEARINGS:

THE BASIS OF BEARING FOR THE SURVEY IS THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 34, TOWNSHIP 30 SOUTH, RANGE 01 EAST M.D.M. AS SHOWN IN FILE 67 OF SURVEYS PAGE 79, IN THE OFFICE OF THE RECORDER, CLARK COUNTY, NEVADA.
SAID LINE BEARS NORTH 89°30'01" EAST.
BENCHMARK: BENCHMARK NO. 2LV01345568
RIVET & PLATE IN TOP OF CURB NE CORNER OF CHARLESTON & MARYLAND PARKWAY.
ELEVATION: 1,077.81 FEET / 802.777 METERS (NAVD '88)

CL OR SURVEY LINE	EASEMENT LINE	DESCRIPTION:	BUILDING OUTLINE	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	CONTOUR LINES	AC PAVEMENT	CONCRETE	ELEVATIONS	SIGNS	MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	100' WPS STREETLIGHTS	150' WPS STREETLIGHTS	200' WPS STREETLIGHTS	250' WPS STREETLIGHTS
PROPERTY LINE	SAWTOOTH LINE	EXISTING:																					
ROW LINE	SCARP LINE	PROPOSED:																					

Issues and Revisions	
RELOCATED, FDC, FIRE HYDRANT AND ADDED CHECK VALVE	02/25/19
REVISED 7-17-19	CLV 5.8
REVISE CURB, RELOCATE	7-21-19
REVISED 7-30-19	CLV 5.8

Consultant:

Lochsa
engineering

6345 South Jones Blvd.
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Phone (702) 365-6912
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www.lochsa.com

4-30-2018

HUNTRIDGE SHOPPING CENTER
NEW COMMERCIAL PADS
1122 S MARYLAND PKWY, LAS VEGAS, NV 89104

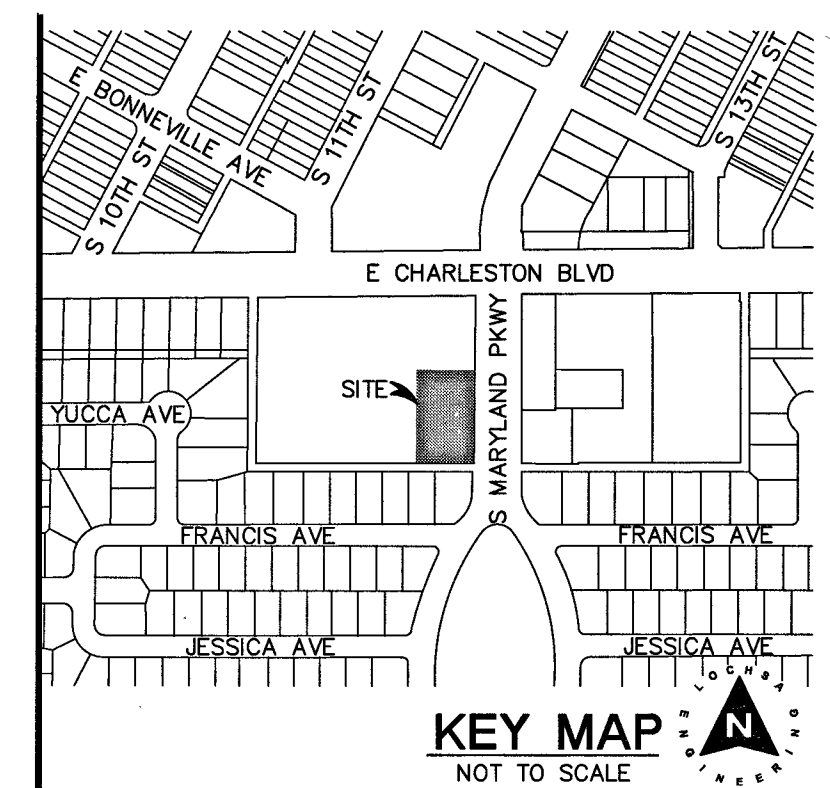
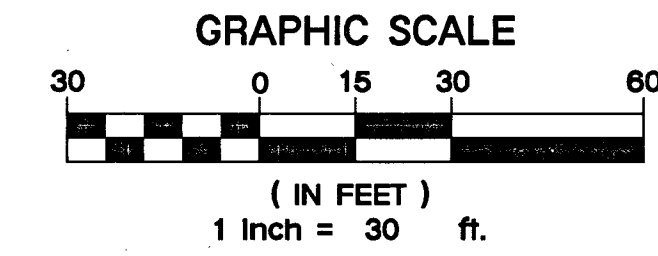
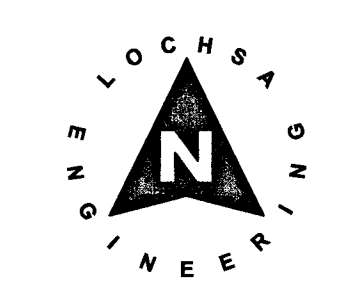
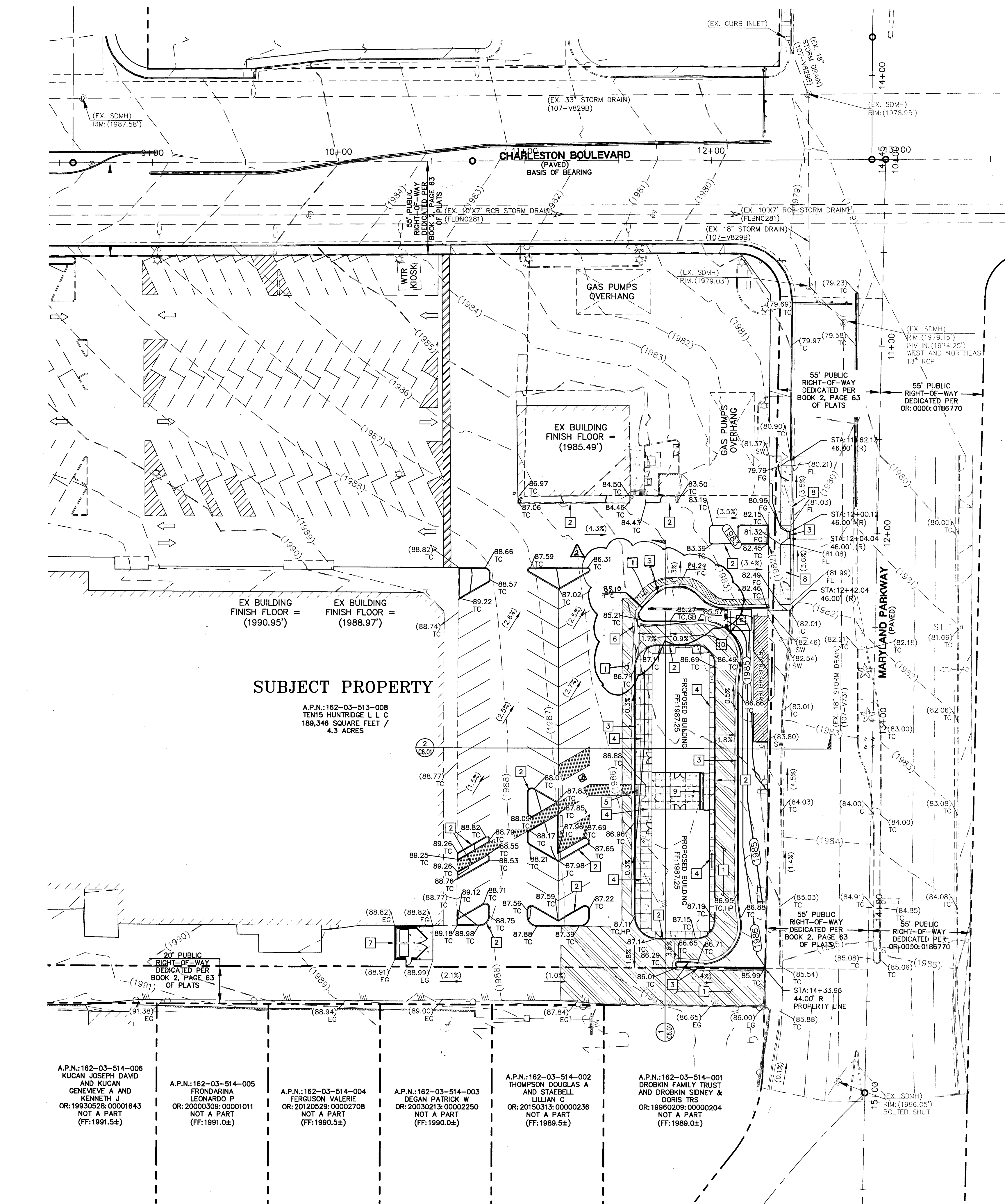
Project: **UTILITY PLAN**

BUNNYFISH studio
702 241 9751
208 S. Maryland Pkwy
Suite A, Las Vegas
Nevada, 89101

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No. 11286
Exp. 12-31-20

Project No.: 16-0907
LOCHSA JOB No.: 181010
Sheet No.: 5 OF 9
C3.01



Issues and Revisions		
1	REVISE CURB FOR RELOCATION OF FIRE HYDRANT	7/29/19
2		CLW 58
3		5-6-19

Consultant:

Lochsa Engineering

6348 South Jones Blvd.
Suite 100
Las Vegas, NV 89118
Phone (702) 365-8312
Fax (702) 365-8317
www.lochsa.com

4-30-2018

- CONSTRUCTION NOTES:**
- ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (C.C.A.U.S.D.)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.
 - NOT ALL NOTES USED ON THIS SHEET -
 - 1. CONSTRUCT AC PAVEMENT PER DETAIL 1 SHEET C6.00
 - 2. CONSTRUCT "A" TYPE CURB PER DETAIL 2 SHEET C6.00
 - 3. CONSTRUCT "L" TYPE CURB PER CCAUSD No. 216.
 - 4. CONSTRUCT CONC. SIDEWALK PER CCAUSD No. 234.
 - 5. CONSTRUCT SIDEWALK RAMP DETAIL 10 SHEET C6.00
 - 6. CONSTRUCT 2" VALLEY GUTTER PER DETAIL 3 SHEET C6.00
 - 7. CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL DETAIL
 - 8. CONSTRUCT COMMERCIAL DRIVEWAY PER CCAUSD No. 224.
 - 9. CONSTRUCT RAISED PLANTER PER ARCHITECTURAL PLANS.
 - 10. CONCRETE ELECTRICAL TRANSFORMER PAD BY OTHERS.
 - 11. FOUNDATION FOR SWOOP ROOF PER ARCHITECTURAL PLANS.
 - 12. CONSTRUCT RETAINING WALL, DESIGN BY OTHERS.

NOTE:
ALL ON-SITE STORM DRAIN FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY THE PROPERTY OWNER.

EARTHWORK QUANTITIES

CUT:	41 CU. YD.
FILL:	684 CU. YD.
NET:	643 CU. YD. FILL

- GRADING NOTES:**
- SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL FABRIC/MATERIAL UNLESS OTHERWISE SPECIFIED BY LANDSCAPE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS OR THE SOILS REPORT.
 - CONTRACTOR SHALL DETERMINE HIS OWN FOOTING OR BASEMENT EXCAVATION QUANTITIES, EVEN THOUGH SHOWN ON SOUGH GRADING PLANS. ADDITIONAL STRUCTURE BACKFILL COSTS SHOULD BE INCLUDED IN THE COST OF THE STRUCTURE UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
 - CONTRACTOR SHALL NOTIFY LOCHSA ENGINEERING WITHIN 24 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
 - CONTRACTOR TO ENSURE POSITIVE DRAINAGE, NO PONDING ALLOWED. CONTRACTOR TO FOLLOW RECOMMENDATIONS AS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING AND COMPACTOR. REFER TO THE REPORT PREPARED BY: GEOTEK, INC., PROJECT No. 12921-LV, DATED: JUNE 2, 2016.
 - SEE ARCHITECTURAL/LANDSCAPE PLANS FOR TRASH ENCLOSURE DETAIL.

FLOOD ZONE NOTE:
THE PROJECT SITE IS COVERED BY THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE CLARK COUNTY, NEVADA, COMMUNITY PANEL NUMBER 320032160, EFFECTIVE DATE NOVEMBER 16, 2002, REVISED TO REFLECT LOMR EFFECTIVE: AUGUST 10, 2012. THE SITE FALLS WITHIN ZONE 1, DESCRIBED BY FEMA AS: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

EXISTING UTILITY NOTE:
CONTRACTOR TO ADJUST ALL EXISTING UTILITIES TO MATCH PROPOSED FINISH GRADE ELEVATIONS.

GRADING PLAN CERTIFICATION

NAME: JULIA L. IZZOLO PE #020326 DATE: 7-2-18

CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT, DS#4985

NOTE:
ADD 1900' TO ALL GRADE TAGS.

APPROVAL

WEST GAS CORPORATION 7/23/18 DATE

UTILITY NOTE:
LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

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Call before you Dig
1-702-432-5300

Call before you Dig
1-702-227-2929

A.P.N.:
162-03-514-008

BASIS OF BEARINGS:
THE BASIS OF BEARING FOR THE SURVEY IS THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 34, TOWNSHIP 20 SOUTH, RANGE 61 EAST M.D.M., AS SHOWN IN FILE 67 OF SURVEYS PAGE 70, IN THE OFFICE OF THE RECORDER, CLARK COUNTY, NEVADA.

BENCHMARK:
BENCHMARK NO. 21V01345568
RIVET & PLATE IN TOP OF CURB NE CORNER OF CHARLESTON & MARYLAND PARKWAY.
ELEVATION: 1,877.61 FEET / 802.777 METERS (NAVD '88)

LEGEND	CL OR SURVEY LINE	EASEMENT LINE	DESCRIPTION:	BUILDING OUTLINE	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	CONTOUR LINES	AC PAVEMENT	CONCRETE	SPOT ELEVATIONS	SIGNS	MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	100w HPS STREETLIGHTS	150w HPS STREETLIGHTS	200w HPS STREETLIGHTS	250w HPS STREETLIGHTS
	PROPERTY LINE	SAWCUT LINE	EXISTING:																					
	ROW LINE	SCARP LINE	PROPOSED:																					

Project: **HUNTRIDGE SHOPPING CENTER**
NEW COMMERCIAL PADS
1122 S MARYLAND PKWY, LAS VEGAS, NV 89104

Drawing: **GRADING PLAN**

BUNNYFISH studio
702 241 9751
208 S. Maryland Pkwy
Suite A, Las Vegas
Nevada, 89101

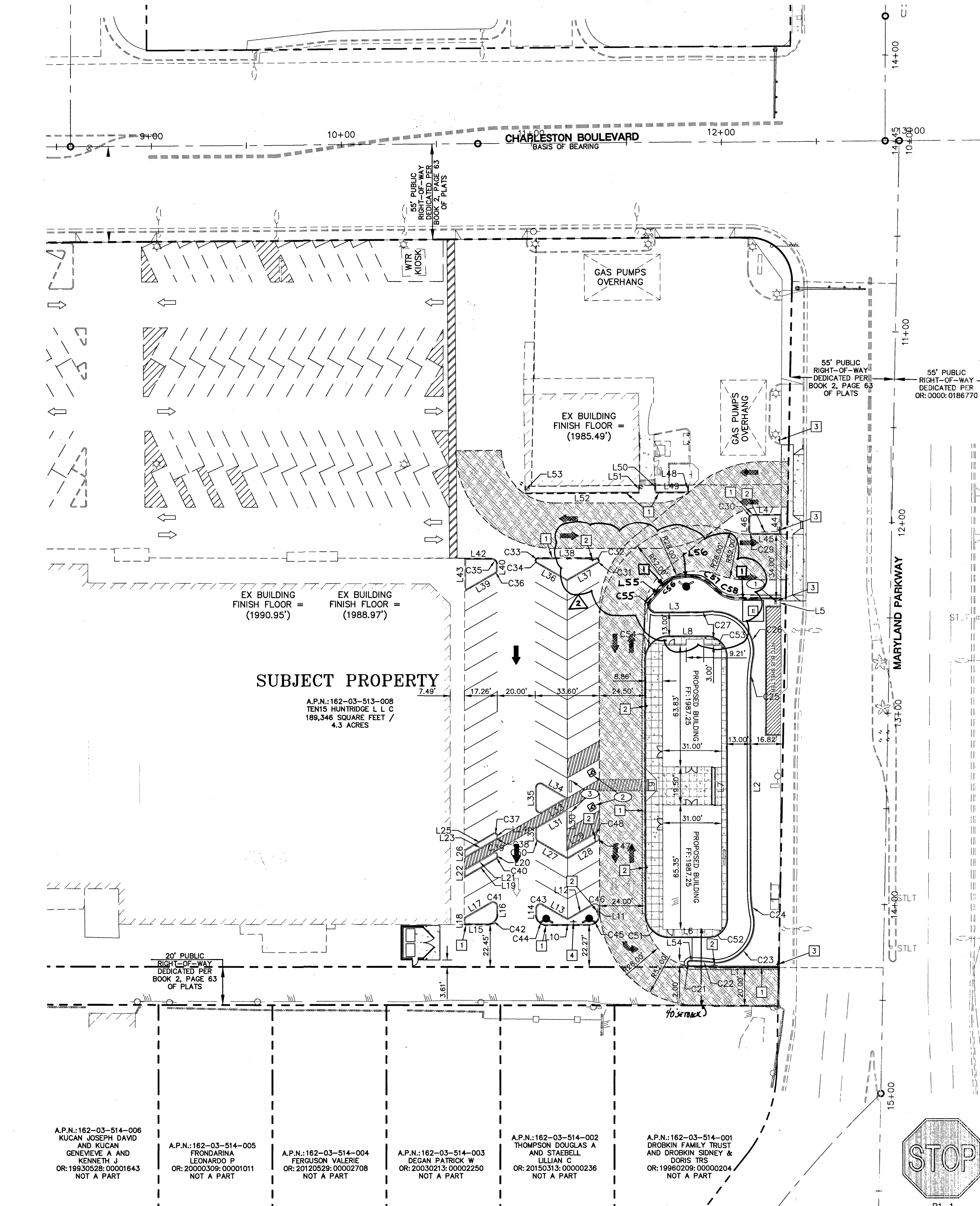
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Seal

Project No.: 16-0907
LOCHSA JOB No.: 181010

Sheet No.: 6 OF 9

C4.00



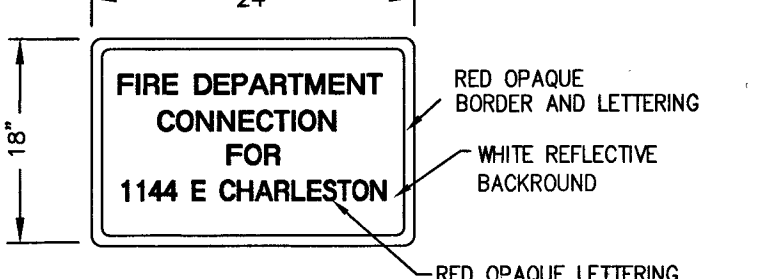
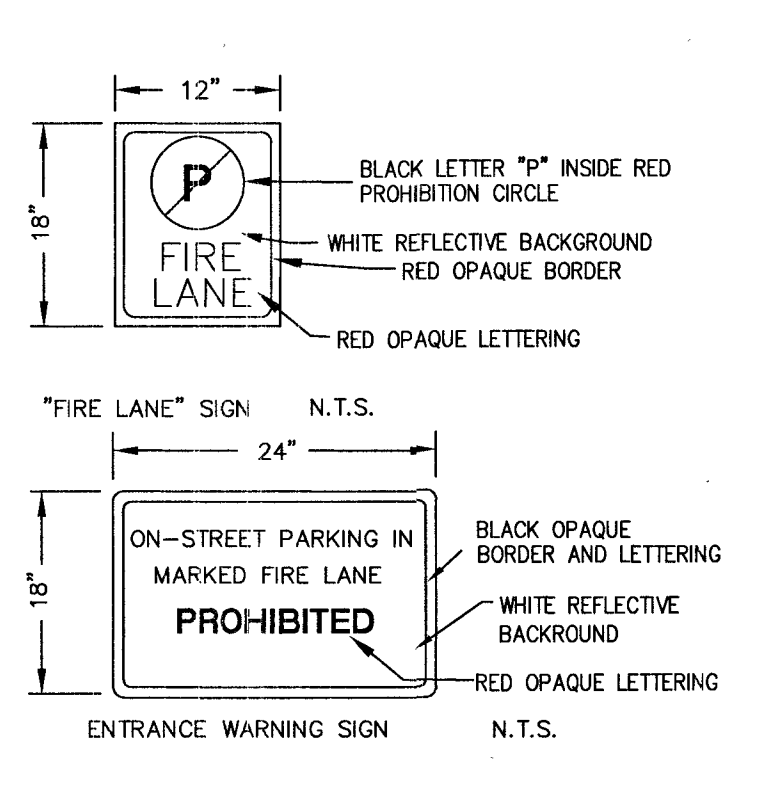
LINE TABLE		
LINE #	LENGTH	DIRECTION
L1	53.33'	N90°00'00"E
L2	106.83'	S00°00'00"E
L3	19.69'	N90°00'00"E
L4	65.34'	N90°00'00"W
L5	3.93'	N00°14'01"E
L6	20.36'	N90°00'00"E
L7	136.66'	N00°00'00"E
L8	20.36'	N90°00'00"W
L9	132.66'	S00°00'00"E
L10	22.60'	N90°00'00"E
L11	3.37'	N00°00'00"E
L12	15.36'	S60°00'00"W
L13	15.36'	N60°00'00"W
L14	3.37'	S00°00'00"E
L15	11.61'	S89°19'50"E
L16	4.18'	N00°00'00"E
L17	15.77'	S60°00'00"W
L18	2.89'	S00°21'23"W
L19	18.55'	N60°00'00"E
L20	0.84'	N00°00'00"E

LINE TABLE		
LINE #	LENGTH	DIRECTION
L21	17.39'	S60°00'00"W
L22	3.15'	S00°05'19"W
L23	18.53'	N60°00'00"E
L24	0.84'	N00°00'00"E
L25	17.37'	S60°00'00"W
L26	3.15'	S00°05'19"W
L27	17.67'	S60°00'00"E
L28	18.24'	N60°00'00"E
L29	15.93'	S60°00'00"W
L30	20.78'	N00°00'00"E
L31	17.09'	S60°00'00"W
L32	3.63'	S00°00'00"E
L33	13.91'	N60°00'00"E
L34	13.91'	N60°00'00"W
L35	10.74'	S00°00'00"E
L36	18.53'	S60°00'00"E
L37	18.53'	N60°00'00"E
L38	30.60'	N90°00'00"W
L39	17.78'	S60°00'00"W
L40	3.29'	S00°00'00"E

LINE TABLE		
LINE #	LENGTH	DIRECTION
L41	13.65'	N90°00'00"E
L42	15.98'	N00°00'13"E
L43	9.42'	N00°00'00"E
L44	29.50'	N90°00'00"E
L45	6.42'	S00°00'00"E
L46	29.50'	N90°00'00"W
L47	3.05'	S00°00'00"E
L48	16.57'	S89°40'10"W
L49	4.60'	N00°00'00"E
L50	3.50'	S00°01'59"E
L51	59.21'	S89°40'10"W
L52	3.40'	N00°00'00"E
L53	7.70'	N90°00'00"W
L54	9.50'	S42°14'52"W
L55	3.00'	N90°00'00"E
L56	12.50'	S47°45'06"E

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C21	3.14'	1.00'	180°00'00"	INFINITY
C22	9.24'	75.00'	007°03'43"	4.63'
C23	39.46'	21.00'	107°39'30"	28.72'
C24	13.87'	75.00'	010°35'47"	6.96'
C25	13.87'	75.00'	010°35'47"	6.96'
C26	39.29'	21.00'	107°12'29"	28.49'
C27	8.65'	75.00'	006°36'42"	4.33'
C28	11.00'	3.50'	180°00'00"	INFINITY
C29	2.36'	1.50'	090°00'00"	1.50'
C30	2.36'	1.50'	090°00'00"	1.50'
C31	0.52'	0.50'	060°00'00"	0.29'
C32	1.57'	1.00'	090°00'00"	1.00'
C33	1.57'	1.00'	090°00'00"	1.00'
C34	0.52'	0.50'	060°00'00"	0.29'
C35	3.93'	2.50'	090°00'00"	2.50'
C36	1.57'	1.50'	060°00'00"	0.87'
C37	2.09'	1.00'	120°00'00"	1.73'
C38	1.05'	1.00'	060°00'00"	0.58'
C39	2.09'	1.00'	120°00'00"	1.73'
C40	1.05'	1.00'	060°00'00"	0.58'

CURVE TABLE				
CURVE #	LENGTH	RADIUS	DELTA	TANGENT
C41	4.19'	2.00'	120°00'00"	3.46'
C42	7.91'	5.00'	090°40'10"	5.06'
C43	4.19'	2.00'	120°00'00"	3.46'
C44	7.85'	5.00'	090°00'00"	5.00'
C45	7.85'	5.00'	090°00'00"	5.00'
C46	4.19'	2.00'	120°00'00"	3.46'
C47	1.11'	1.00'	063°20'15"	0.62'
C48	4.07'	2.00'	116°39'45"	3.24'
C49	2.09'	2.00'	060°00'00"	1.15'
C50	2.09'	2.00'	060°00'00"	1.15'
C51	18.85'	12.00'	090°00'00"	12.00'
C52	15.71'	10.00'	090°00'00"	10.00'
C53	15.71'	10.00'	090°00'00"	10.00'
C54	18.85'	12.00'	090°00'00"	12.00'
C55	9.76'	4.00'	134°14'11"	10.93'
C56	12.50'	15.00'	177°55'08"	6.64'
C57	13.27'	15.00'	50°42'13"	7.11'
C58	13.27'	15.00'	50°42'13"	7.11'



A.P.N.:
162-03-513-008
BASIS OF BEARINGS:
THE BASIS OF BEARING FOR THE SURVEY IS THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 34, TOWNSHIP 20 SOUTH, RANGE 61 EAST M.D.M., AS SHOWN IN FILE 67 OF SURVEYS PAGE 79, IN THE OFFICE OF THE RECORDER, CLARK COUNTY, NEVADA.
SAID LINE BEARS NORTH 89°38'01" EAST.
BENCHMARK:
BENCHMARK NO. 21V0134588
RIVET & PLATE IN TOP OF CURB NE CORNER OF CHARLESTON & MARYLAND PARKWAY.
ELEVATION: 1,877.61 FEET / 602.777 METERS (NAVD 88)

UTILITY NOTE:
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FAST
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Underground
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1-702-227-2929

CL OR SURVEY LINE	EASEMENT LINE	DESCRIPTION:	BUILDING OUTLINE	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	CONTOUR LINES	AC PAVEMENT	CONCRETE	SPOT ELEVATIONS	SIGNS	MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	100W HPS STREETLIGHTS	150W HPS STREETLIGHTS	200W HPS STREETLIGHTS	250W HPS STREETLIGHTS
PROPERTY LINE	SAWCUT LINE	EXISTING:																					
ROW LINE	SCARP LINE	PROPOSED:																					

Issues and Revisions

REVISE CURB AND RELOCATE FIRE HYDRANT	7/29/19	CLV 56	9.6.19
---------------------------------------	---------	--------	--------

Consultant:

Lochsa Engineering

6345 South Jones Blvd.
Suite 100
Las Vegas, NV 89118
Phone (702) 365-9312
Fax (702) 365-9317
www.lochsa.com

4-30-2018

HUNTRIDGE SHOPPING CENTER
NEW COMMERCIAL PADS
1122 S MARYLAND PKWY, LAS VEGAS, NV 89104

HORIZONTAL AND TRAFFIC CONTROL PLAN

Project: Drawing:

BUNNYFISH studio
702 241 9751
208 S. Maryland Pkwy
Suite A, Las Vegas
Nevada, 89101

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Seal: [Professional Engineer Seal]

Project No.: 16-0907
LOCHSA JOB No.: 181010
Sheet No.: 7 OF 9
C5.00

11 NOT USED

NOT TO SCALE

9 BOLLARD DETAIL

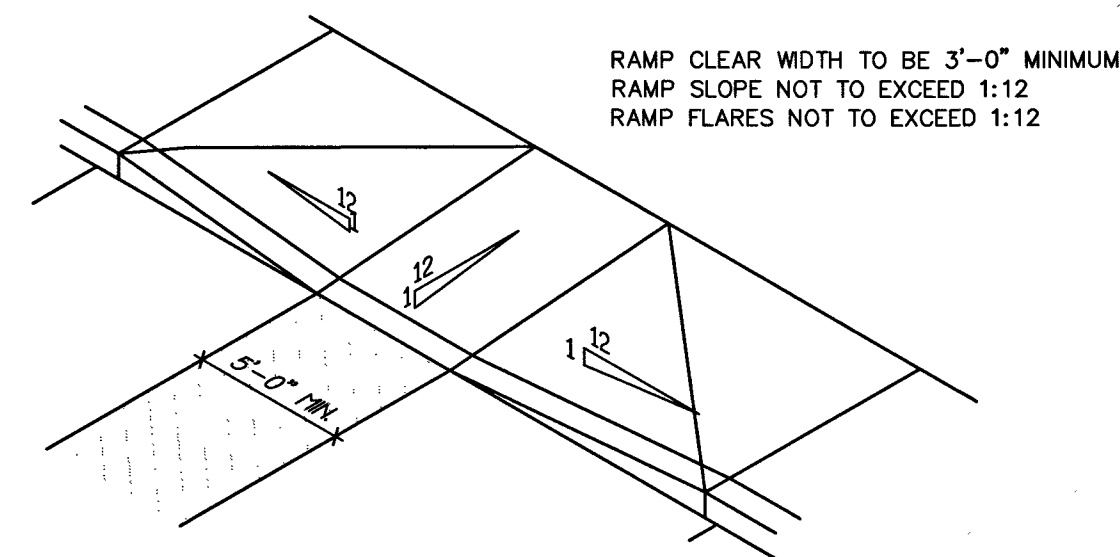
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6 ACCESSIBLE PARKING DETAIL

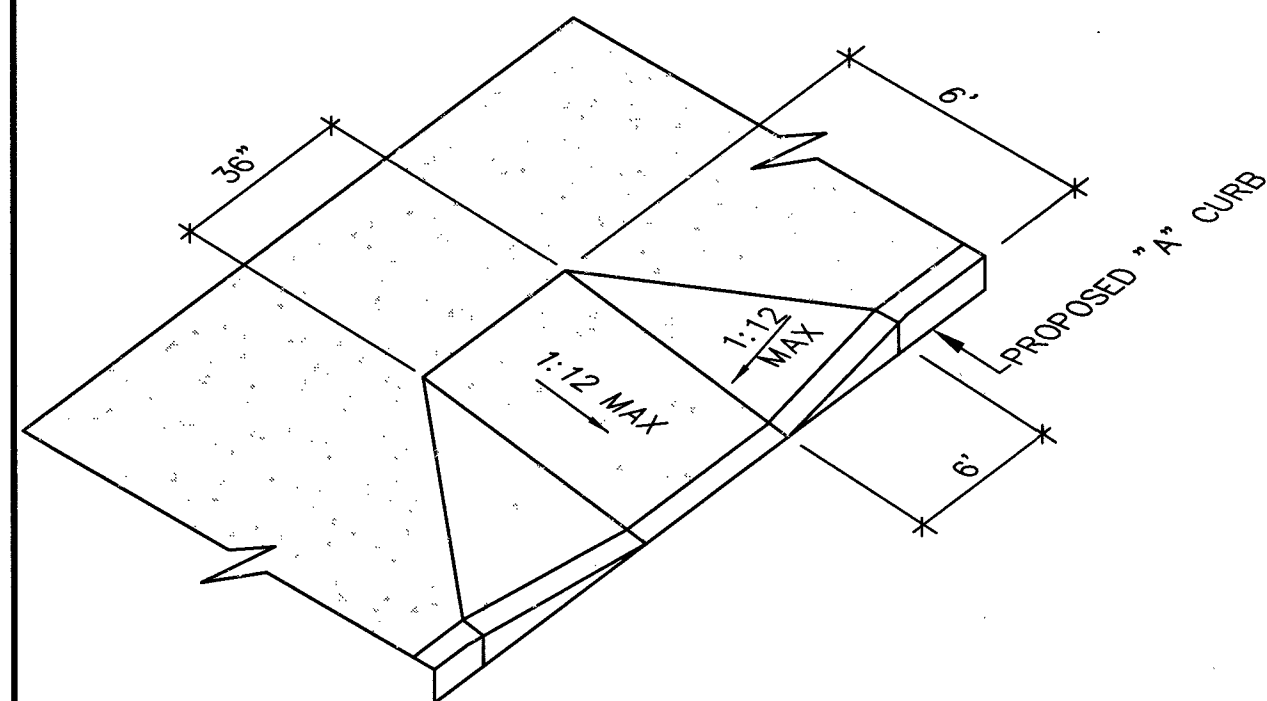
NOT TO SCALE

3 2' VALLEY GUTTER

NOT TO SCALE



ACCESSIBLE CURB RAMP
NOT TO SCALE



- RAMP NOTES: (FOR ALL ACCESSIBLE ROUTE SLOPES GREATER THAN 1:20)
1. RAMP LENGTHS SHALL BE 6'-0" (72") MAXIMUM FOR EACH 6" RISE
 2. RAMP LANDINGS SHALL BE FLAT FOR A MINIMUM DISTANCE OF 5'-0"
 3. RAMP CROSS SLOPES SHALL NOT TO EXCEED 1:48
 4. RAMP SLOPES SHALL NOT TO EXCEED 1:12
 5. HEIGHT OF CURBS (OR EDGES) SHALL NOT TO EXCEED 6"
 6. RAMP CLEAR WIDTHS TO BE 3'-0" MINIMUM
 7. RAMP HEIGHTS ARE NOT INTENDED TO EXCEED 6" IN HT. PER EA. RUN.

10 CURB RAMP

NOT TO SCALE

7 SANITARY SEWER CLEAN-OUT

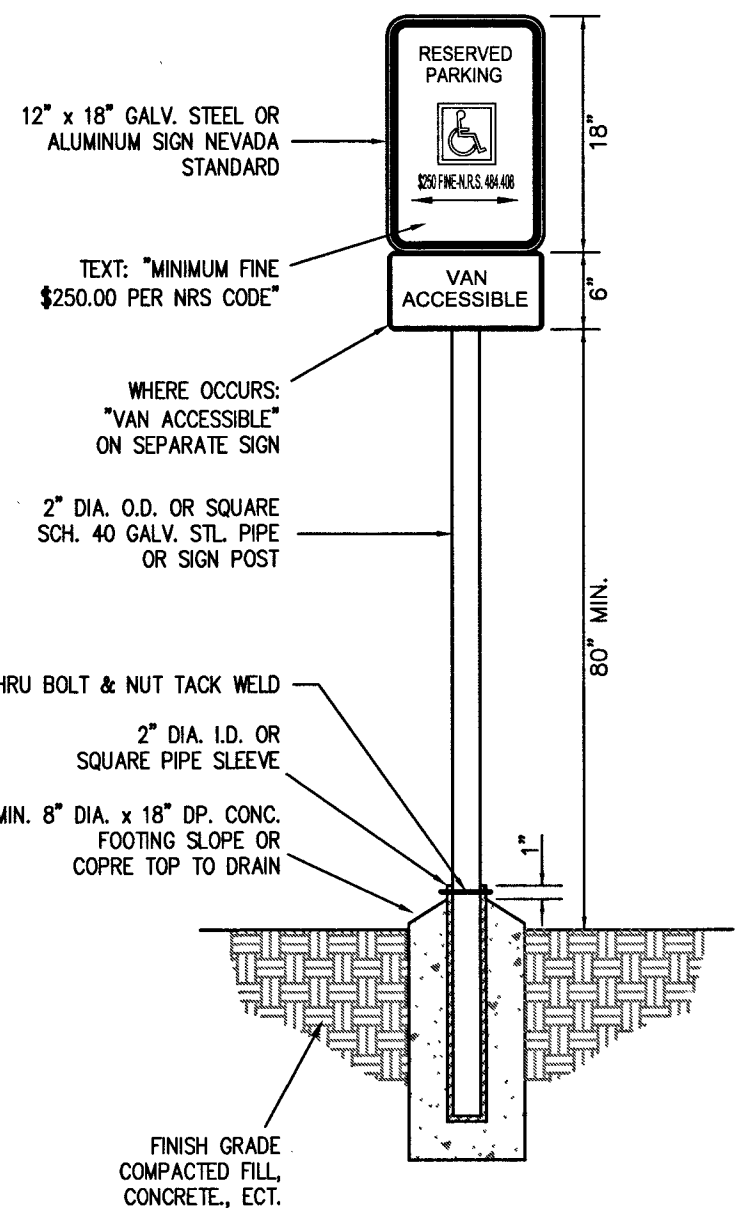
NOT TO SCALE

4 RIP-RAP SWALE

NOT TO SCALE

1 PAVEMENT SECTION (ON-SITE)

NOT TO SCALE



8 ACCESSIBLE PARKING SIGN

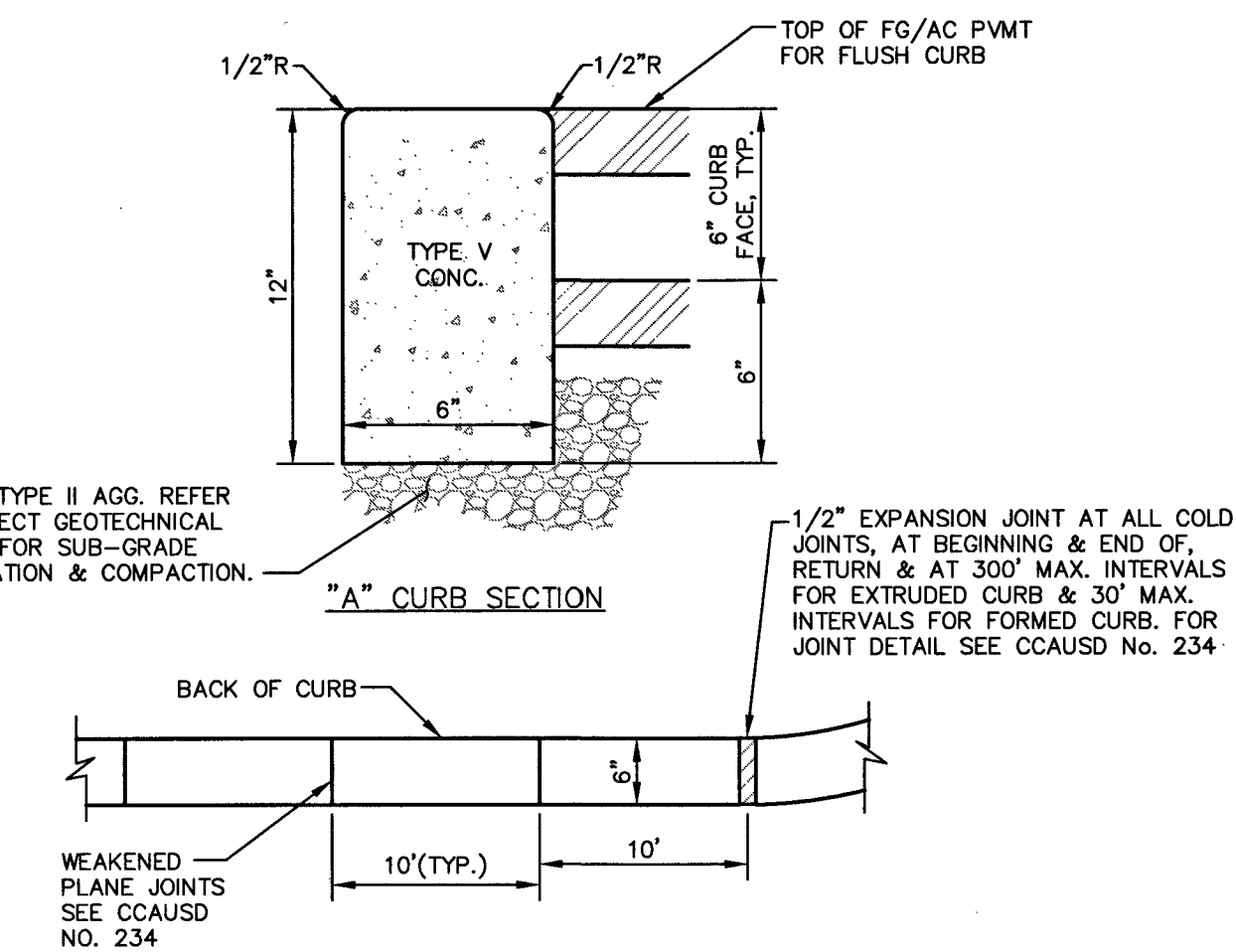
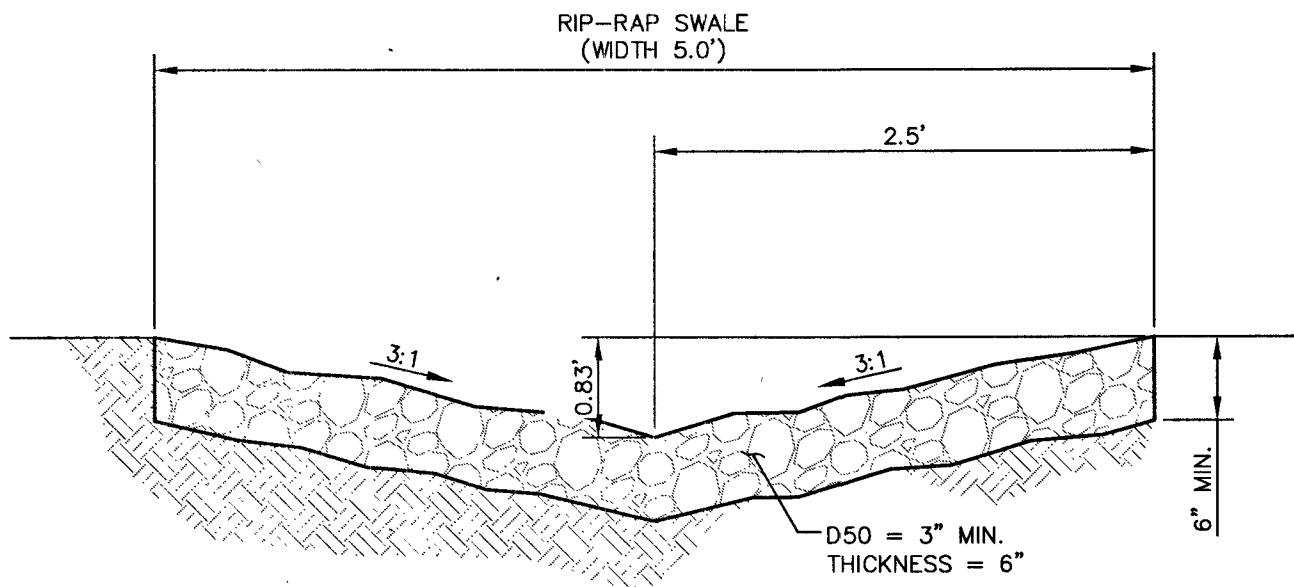
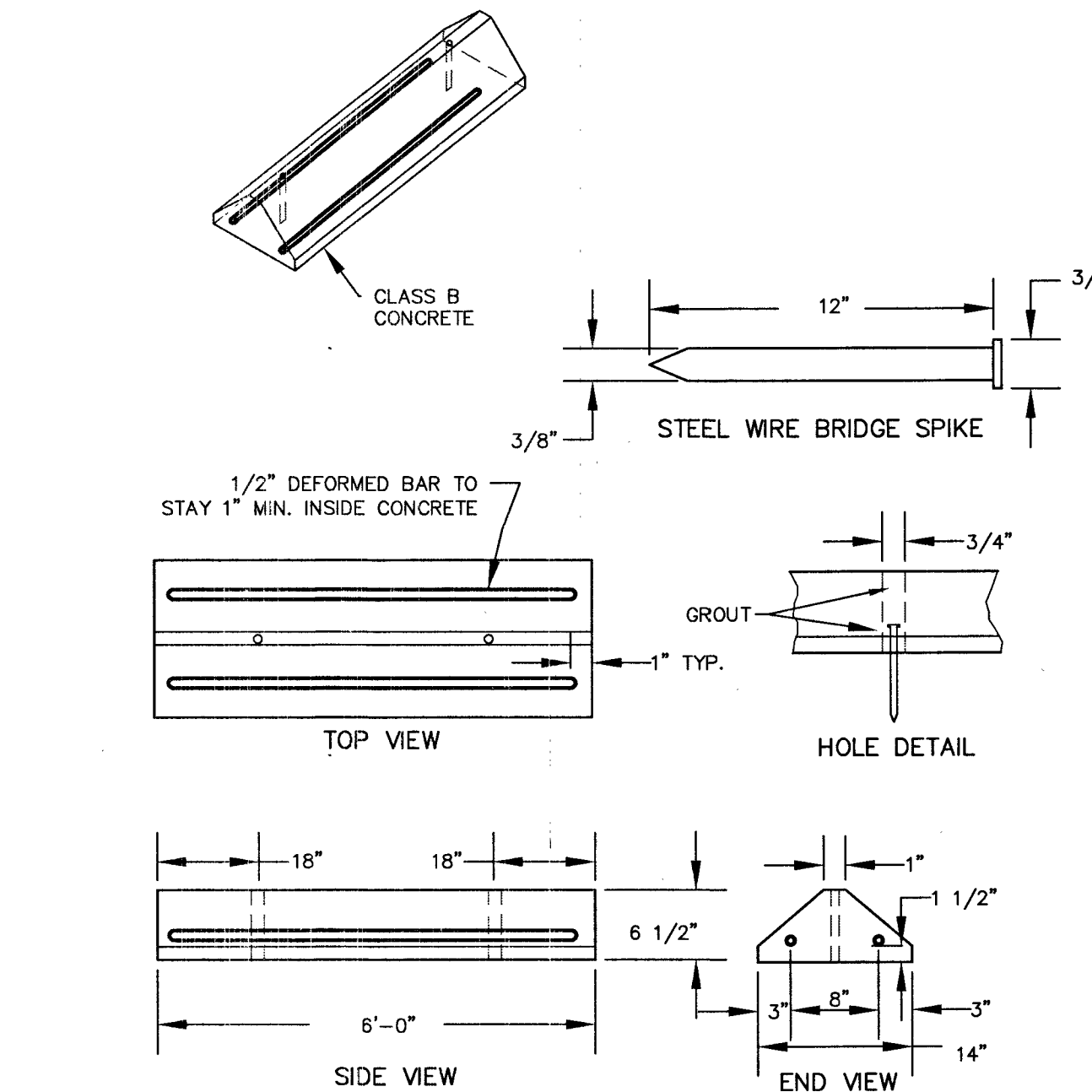
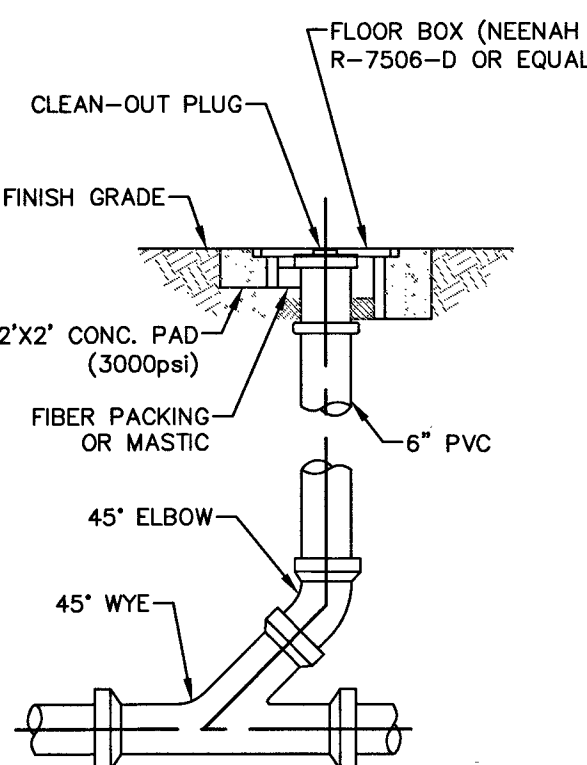
NOT TO SCALE

5 WHEEL STOP

NOT TO SCALE

2 ON-SITE "A" TYPE CURB

NOT TO SCALE



TRAFFIC AREA	ASPHALT (Inches)	TYPE II BASE COURSE (Inches)
AUTOMOBILE PARKING	2	8
MAIN CORRIDORS AND TRUCK ACCESS	3	8

SOILS REPORT
NOVA GEOTECHNICAL
DATED: FEBRUARY 23, 2017
PROJECT NO.: G-17-020

1. REFER TO PROJECT GEOTECHNICAL REPORT FOR ALL SUB-GRADE PREPARATION AND COMPACTION.

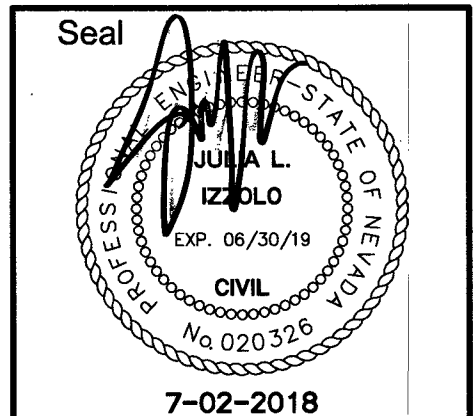
L18-01018
107/7401

Issues and Revisions	

Consultant:
Lochsa
engineering
6545 South Jones Blvd.
Suite 100
Las Vegas, NV 89118
Phone (702) 365-6312
Fax (702) 365-6317
www.lochsa.com
4-30-2018

Project: **HUNTRIDGE SHOPPING CENTER
NEW COMMERCIAL PADS**
1122 S MARYLAND PKWY, LAS VEGAS, NV 89104
Drawing: **DETAIL SHEET**

BUNNYFISH
studio
702 241 9751
208 S. Maryland Pkwy
Suite A, Las Vegas
Nevada, 89101
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LOCHSA JOB No.: 181010
Sheet No.: 8 OF 9

C6.00

