

DEPARTMENT OF PUBLIC WORKS
CAPITAL PROJECT MANAGEMENT SECTION



PUBLIC WORKS

MAYFAIR PLACE PARK

415 SOUTH 15TH STREET

APN:139-35-413-172 & APN: 139-35-413-171

ACREAGE: .59

Bid No: 15.59812

CLV DWG. NO. 650.111

APPROVALS

ALAN PAVELKA, P.E. PE # 09029 DATE
CITY ENGINEER

APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHT-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.

CHRIS KNIGHT, DIRECTOR -- BUILDING AND SAFETY DATE
THIS PLAN MEETS THE APPLICABLE STANDARDS OF THE PLANNING DEPARTMENT

CITY OF LAS VEGAS FIRE AND RESCUE DATE

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE
PROJECT No. 124949
LVWD: APPROVED FIRE FLOW 1,500 GPM AT 20 PSI RESIDUAL
SHEETS: C1.01, C1.02, C2.01, C3.01, C3.02, C5.01, C6.01

Patrice Gray 11/21/16 DATE
NV ENERGY
NV ENERGY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NV ENERGY 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

Russ Shivers 12/1/16 DATE
SOUTHWEST GAS CORPORATION

Marie Kay Jones 11/18/16 DATE
CENTURYLINK
THE AFFIXED CENTURYLINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF PROPOSED IMPROVEMENTS, RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS.

Dez 11/22/16 DATE
COX COMMUNICATIONS LAS VEGAS, INC

REV#	REV. DESCRIPTION	SHEET(S)	APPD BY	DATE APPD

REVISIONS

CONSULTANT

Cardno

Shaping the Future

LAS VEGAS

7115 AMIGO STREET, STE 100, LAS VEGAS, NV 89119

TEL: (702) 990-9300 FAX: (702) 990-9305 www.cardno.com

MAYFAIR PLACE PARK

COVER

STAMP

EDGAR LEON

EXP: 12/31/2017

NO. 21495

11-16-16

OWNER: CITY OF LAS VEGAS

DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE

LAS VEGAS, NEVADA 89101

PHONE: (702) 229-6535

FAX: (702) 382-3232

TDD: (702) 386-9108

DRAWN

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FILE

1099-CD-COVER.DWG

DATE

2016-11-16

SCALE

NTS

BID NO

15.59812

CLV DWG NO

650.111

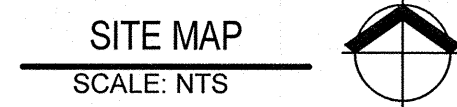
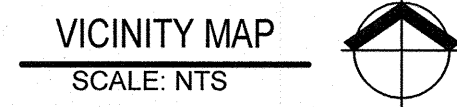
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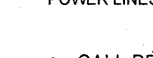
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SHT NO

C.1.01

REVISED 02/7/03



 FAST underground Call toll-free your Underground 1-702-432-5300 FREEMAN & JETER, A DIVISION OF TRANSGUARD INDUSTRIES	Call before you Dig AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. CALL 811 OR 1-800-227-2600	AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.  CALL BEFORE YOU DO OVERHEAD 1-702-227-2929
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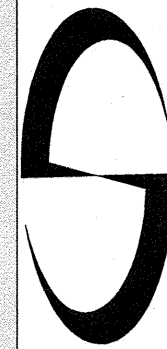
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REVISIONS

BID SET

CONSULTANT

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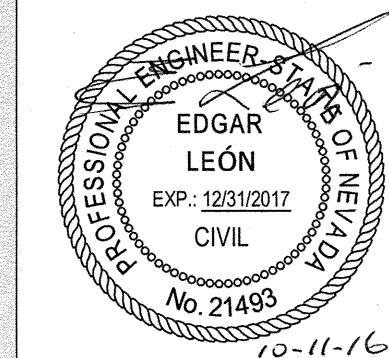


LAS VEGAS
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MAYFAIR PLACE PARK

SHEET INDEX

STAN



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

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LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
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DRAWN EL/TT

FILE	1099-CD-COVERDWG
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DATE 2016-10-11

SCALE NTS

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CLV DWG NO	15.5 5512
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H# 66624

SHT NO

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C. I. O. U.

REVISÉ 8/27/03

CITY OF LAS VEGAS GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST REVISION, AND THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA, AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY, THE UNIFORM BUILDING CODE, AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTING AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH 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 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 SATISFACTORILY 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-PIPE CURB.
8. AC PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE UP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS.
9. CURB AND GUTTER FLOW 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 DRAWINGS 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY ENGINEER.
11. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.
12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY: GEOTECHNICAL ENGINEER _____ PROJECT NO. _____ DATED: _____ 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. 226-320 & 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.
16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS, FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF MDT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.
20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC., THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.
21. SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE CITY AND APPROVED PRIOR TO ACCEPTANCE OF FACILITY VIDEO INSPECTION. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES AND TRANSITION STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY, AND DRAINAGE POINTS. THE LOCATION MAP(S) SHALL BE DESIGNED TO PROVIDE THE LOCATION OF THE CITY BY COORDINATES WHICH SHALL BE BASED ON THE OFFICIAL HORIZONTAL AND VERTICAL CONTROL NETWORKS OF THE CITY OF LAS VEGAS. FINAL LOCATION MAP(S) MUST BE SEALED AND CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTANTIES OF 0.09 METERS (±0.3 FEET) HORIZONTALLY AND VERTICALLY. A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).
22. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS.
23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

STORM WATER POLLUTION PREVENTION PLAN NOTES

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 RIGHT OF WAYS OF THE CITY OF LAS VEGAS AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE SITE DEVELOPMENT 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 BY THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN CONDITIONS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE CITY OF LAS VEGAS AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN FOURTEEN (14) DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO STORMWATER GENERAL PERMIT NVRI00000, 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 AREAS THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS AND ALL BMPs WEEKLY, PRIOR TO A FORECASTED RAIN EVENT AND WITHIN 24 HOURS AFTER ANY ACTUAL EVENT. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS FROZEN GROUND CONDITIONS OR SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO STORMWATER GENERAL PERMIT NVRI00000, SECTION III.A.12.
5. ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN (7) DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVEN WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50% OR MORE.

CITY OF LAS VEGAS STREETLIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST REVISION, AND ANY ADOPTED SPECIAL AREA STANDARDS.
2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE CITY ENGINEER.
3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
4. ALL STREET LIGHTING CONDUITS STUB SHALL HAVE AT LEAST ONE GREEN #8 THW WIRE INSTALLED, AS TRACER WIRE. WHEN "EMPTY" CONDUIT IS COMPLETELY INSTALLED FROM PB TO PB, IT SHALL HAVE MINIMUM OF 2 #4 AND 1 #8 THW WIRE WITH THE ENDS TAPED OR "SAFE OFF" PRIOR TO FINAL INSPECTION.
5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN ACCORDANCE WITH THE USD NO. 320A.
6. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TEF0 PRIOR TO ANY PRE-FINAL INSPECTION. THE ASBUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.
7. SERVICE POINT SHALL BE COORDINATED WITH NV ENERGY COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CURVE. SERVICE POINTS SHALL BE SHOWN ON THE CIVIL PLANS.
8. IT SHALL BE ASSUMED THAT IN THE ABSENCE OF AN EXISTING, WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.
9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED, AT NO EXPENSE TO THE CITY OF LAS VEGAS, BEFORE STREETLIGHT BASES ARE INSTALLED.
10. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.
11. THE DEVELOPER/OWNER WILL BE REQUIRED TO SUPPLY POWER TO ALL NEW PUBLIC STREET LIGHTS INSTALLED UNDER THIS DESIGN PRIOR TO BOND RELEASE OR PROJECT COMPLETION. THE DEVELOPER/OWNER WILL BE RESPONSIBLE FOR ALL ITEMS ASSOCIATED WITH THE INSTALLATION, CONSTRUCTION, ENERGIZING, MAINTENANCE AND OPERATIONAL COST OF SAID STREET LIGHTS PRIOR TO PROJECT COMPLETION. REFER TO THE PLAN FOR ANY NEW SERVICE REQUIREMENTS. THE TRANSFER OF OWNERSHIP FROM THE DEVELOPER/OWNER TO THE CITY OF LAS VEGAS FOR ALL NEW PUBLIC STREET LIGHTS AND/OR SERVICES SHALL BE INSTALLED UNDER THIS PLAN DESIGN WILL BE IN CONJUNCTION WITH THIS PROJECT COMPLETION. COORDINATE ALL MAINTENANCE AND OPERATIONAL TRANSFERS WITH THE CITY OF LAS VEGAS PROJECT ENGINEERING DEPARTMENT (TEF0) AT (702) 229-6331.

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

CITY OF LAS VEGAS 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 OF ANY SIGNAGE.
3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.
5. IF THE EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL BE FABRICATED WITH DIAMOND GRADE VPI CLASS 6 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS, EXCEPT STREETNAME AND SCHOOL SPEED LIMIT SIGNS, SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. SCHOOL ZONE SIGNS SHALL CONFORM TO THE CURRENT CITY STANDARD. 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, THE LOCATION OF THE SIGN SHALL BE ADJUSTED TO 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.
10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IWA WORK ZONE SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.
11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 800-442-7300). THE CONTRACTOR WILL PROVIDE OFFICIAL TRAINED IN TRAFFIC CONTROL, FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS OTHERWISE DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION).
16. THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

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 "P" 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 I AGGREGATE BASE.
5. ALL MANHOLES PAVED IN STREETS EIGHTY (80) FOOT ROW AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80) FOOT ROW WILL REQUIRE RETROFIT IF PAVING IS REQUIRED TO CONFORM TO CITY STANDARD.
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. SEWER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
10. INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

LAS VEGAS VALLEY WATER DISTRICT NOTES

LVVWD PROJECT No.: TO BE DETERMINED

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 PLATE, DRAWINGS, AND SPECIFICATIONS AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS), THE LATEST EDITION SHALL SUPERSEDE ANY CONFLICTS IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.
3. ALL WORK, EXCEPT AS MODIFIED 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 CUREWY 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 AND DISTRIBUTED TO CONNECT 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. ALL INTERRUPTION OF SERVICE DURING CONSTRUCTION SHALL BE 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 MANUFACTURERS LISTING FOR WATER FACILITIES.
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 ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVWD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.

ANY DECORATIVE PAVING SURFACE WITHIN THE STREET IS THE RESPONSIBILITY OF THE OWNER'S ASSOCIATION, OR THE INDIVIDUAL PROPERTY OWNERS IF NO OWNER'S ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVING JURISDICTION. DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ADJUTING 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 PAVING.

GENERAL NOTES FOR HYDRANTS AND ACCESS

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE # 633 FOR CONSTRUCTION SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS.
2. ONLY FIRE HYDRANTS THAT ARE ON THE LAS VEGAS VALLEY WATER DISTRICTS - APPROVED PRODUCTS LIST ARE ALLOWED TO BE INSTALLED.
3. PERMIT IS REQUIRED FROM LAS VEGAS FIRE AND 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 THE STREET ADJACENT TO THE FIRE HYDRANTS. [IFC § 507.3.7.3]
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 § 508.3]
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 ADEQUACY OF THE REQUIRED FIRE FLOW. [IFC § 507]
11. FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: [IFC § C102]
- RESIDENTIAL - 500 FT UNSPRINKLERED, 600 FT SPRINKLERED.
- COMMERCIAL - 300 FT UNSPRINKLERED, 400 FT SPRINKLERED.
12. WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT SPACING, TO PROVIDE FOR 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.
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 ACCESS 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 13FT 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 BE NOT LESS THAN 24 FT. [IFC § 503.2.1.1]
24. A 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 FEET IN HEIGHT, OR EXCEEDING 62,000 SQUARE FEET 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 LANE. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT OR LESS THAN 6 FT FROM THE CROWN ROADWAY LEVEL. THE CURB ALSO OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. [IFC § 503.3]
28. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE IFC § 503.5.6 AND IFC APPENDIX M.

QUANTITIES

QUANTITIES SHOWN ARE APPROXIMATE ESTIMATIONS ONLY. CONTRACTORS SHALL DETERMINE QUANTITIES INDEPENDENTLY OF THESE PLANS FOR BIDDING AND/OR OTHER PURPOSES.

DESCRIPTION

REMOVE 12" PUBLIC SANITARY SEWER

10 LF

PRIVATE

2" COPPER WATER LINE

209 LF

2" RPPA

2 EA

4" RPPA (LVVWD TO FURNISH & CONTRACTOR TO INSTALL)

1 EA

WATER BOX

1 EA

FIRE CRASH GATE (WROUGHT IRON)

180 SF

"A" TYPE CURB

36 LF

"L" TYPE CURB

58 LF

CURB (12"X8" MOW CURB)

332 LF

5" CONCRETE (PER CCAUSD # 234)

2,397 SF

6" CONCRETE (PER CCAUSD # 215.S1)

4,473 SF

5" TYPE II (CCAUSD # 234)

13 CY

8" TYPE II (CCAUSD # 215.S1)

110 CY

STREET LIGHT FOUNDATION REMOVAL

2 EA

RETAINING WALL

49 LF

POWER TO LOT

1 EA

LANDSCAPE IMPROVEMENTS

1 EA

CMU BLOCK WALL

272 SF

WROUGHT IRON FENCE

450 LF

REMOVABLE BOLLARDS

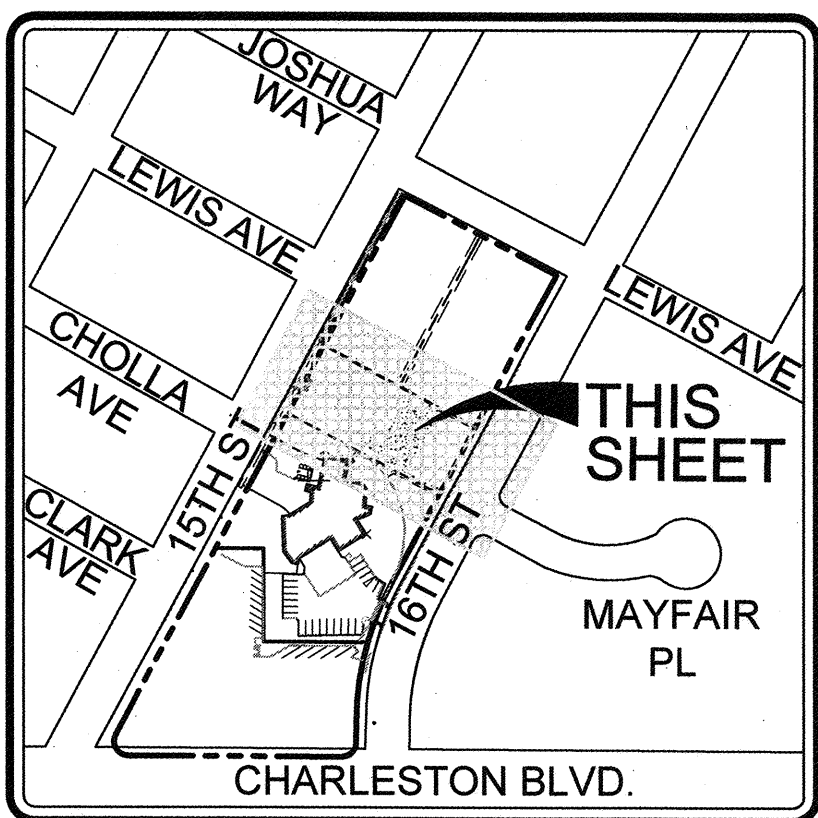
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PERMANENT BOLLARDS

4 EA

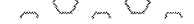
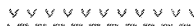
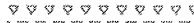
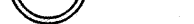
ABBREVIATIONS

ABAN	ABANDON	ELEV.	ELEVATION	PL	PROPERTY LINE
ABN	ABANDON IN PLACE	EMBK	EMBANKMENT	PROP	PROPOSED
AGG	AGGREGATE	EC	END OF CURVE	PB	PULL BOX
ALT	ALTERNATE	EVC	END VERTICAL CURVE	RP	RADIUS POINT
ACP	ASBESTOS CEMENT PIPE	EX	EXISTING	R	RADIUS
AC	ASPHALTIC CONCRETE	F.A.S.T.	FREWAY & ARTERIAL SYSTEMS OF TRANSPORT	RR	RAILROAD
AVE	AVENUE	FT	FEET	REINF	REINFORCEMENT
BC	BACK OF CURB	FG	FINISH GRADE	RCB	REINFORCED CONCRETE
BCR	BACK OF CURB RETURN	FA	FIRE ALARM	RCB	REINFORCED CONCRETE BOX
BVC	BEGINNING VERTICAL CURVE	FH	FIRE HYDRANT	RELOC	RELOCATE
BM	BENCHMARK	FL	FLOW LINE	R	RIGHT
CATV	CABLE TELEVISION	FO	FIBER OPTIC	RW	RIGHT OF WAY
C-C	CENTER TO CENTER	GALV	GALVANIZED	R	ROAD
CL	CENTERLINE	GM	GAS METER	SS	SANITARY SEWER
CBC	CITY OF BOULDER CITY	GP	GAS PRESSURE REGULATOR	SHT	SHEET
CLV	CITY OF LAS VEGAS	GB	GRADE BREAK	SHO	SOUTH OF
COH	CITY OF HENDERSON	GUT	GUTTER	SW	SIDEWALK
CM	CITY OF MESQUITE	HDWL	HEADWALL	SF	SQUARE FEET
CHLV	CITY OF NORTH LAS VEGAS	HP	HIGH POINT	SY	SQUARE YARD
CC	CLARK COUNTY	INT.	INTERSECTION	STA:	STATION
COWRD	CLARK COUNTY WATER RECLAMATION DIST.	INV	INVERT	SH	STEEL HIGH-PRESSURE PIPE
CLEANOUT	CLEANOUT	J	JUNCTION BOX	SD	STORM DRAIN
CONC	CONCRETE	LOC	LENGTH OF CURB	STD	STANDARD
CONST	CONSTRUCT	L	LEFT	STRUCT	STRUCTURE
COR	CORNER	LP	LOW POINT	STLT	STREETLIGHT
CMP	CORRUGATED METAL PIPE	LW	LINEAR FEET	SVZ	SIGHT VISIBILITY ZONE
CSAP	CORRUGATED STEEL ARCH PIPE	LWVD	LAS VEGAS VALLEY WATER DIST.	T	TELEPHONE
CSP	CORRUGATED STEEL PIPE	M	MANHOLE	TB	TOP OF BERM
CAG	CURB AND GUTTER	MA	MAXIMUM	TBA	TO BE ADJUSTED
CIP	CAST IRON PIPE	MC	MINIMUM	TBR	TO BE REMOVED
COL	COLUMN	N	NORTH	TC	TOP OF CURB
CY	CUBIC YARD	N	NOT TO SCALE	TF	TOP OF FOOTER
CF	CUBIC FEET	NVDR	NEVADA POWER FEEDER	TEMP	TEMPORARY
CLVLT	CULVERT	OC	ON CENTER	TP	TOP OF FINE
DEPT	DEPARTMENT	PVMT	PAVEMENT	TS	TRAFFIC SIGNAL
DWY	DRAINAGE	P	POINT OF INTERSECTION	TS	TOP OF RETAINING WALL
DWY	DROP INLET	PRC	POINT OF REVERSE CURVE	TRANS	TRANSITION
ESMT	EASEMENT	PC	POINT OF TANGENCY	TY	TYPICAL
E	EASE	PCC	POINT OF COMPOUND CURVE	UG	UNDERGROUND
EP	EDGE OF PAVEMENT	PCC, CONC.	PORTLAND CEMENT CONCRETE	V	VARIABLE
EO	EDGE OF OIL	P	POWER	VERT.	VERTICAL
E	ELECTRIC	P	POWER	VC	VERTICAL CURVE
EM	ELECTRIC METER	P	POWER	VG	VALLEY GUTTER
D.I.P.	DUCTILE IRON PIPE			VCP	VITRIFIED CLAY PIPE
				W	WATER
				WM	WATER METER
				W/O	WEST OF
				YD	YARD



KEY MAP
SCALE: NTS



- | | |
|---|--|
|  | EXISTING RIGHT-OF-WAY LINE/PROPERTY LINE |
|  | EXISTING CURB & GUTTER |
|  | EASEMENT LINE |
|  | SAWCUT LINE |
|  | EXISTING CONCRETE TO BE REMOVED |
|  | EXISTING AC DRIVE TO BE REMOVED |
|  | EXISTING AC AND CURB TO BE REMOVED |
|  | REMOVE EXISTING CURB, GUTTER AND ASPHALT |
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DEMOLITION CONSTRUCTION NOTES

- ① REMOVE EXISTING CHAIN LINK FENCE.
- ② REMOVE EXISTING BLOCK WALL AND BLOCK WALL FOUNDATION.
- ③ REMOVE PALM TREES AND SHRUBS.
- ④ EXISTING TREES TO BE PROTECTED. SEE TREE PROTECTION PLAN.
- ⑤ REMOVE ±10 LINEAR FEET OF EXISTING SANITARY SEWER PIPE AND SANITARY SEWER CLEAN-OUT TO THE EXTENT OF THE PROJECT PROPERTY LINE. CONTRACTOR SHALL STUB AND CAP EXISTING SANITARY SEWER PIPE AT PROPERTY LINE. CONTRACTOR SHALL VERIFY EXISTING INVERT ELEVATION AND NOTIFY THE ENGINEER OF ANY ELEVATION DISCREPANCY IMMEDIATELY. REFER TO UTILITY PLAN FOR PLANNED LINE OF EXISTING SANITARY SEWER PIPE AT THIS LOCATION.
- ⑥ REMOVE EXISTING LIGHT POLE FOOTINGS ON SITE. CONTRACTOR SHALL CHASE AND REMOVE EXISTING ELECTRICAL CONDUIT TO THE NEAREST PULL BOX.
- ⑦ SAWCUT CONCRETE AT BACK OF EXISTING CITY SIDEWALK/DRIVEWAY.
- ⑧ REMOVE EXISTING CONCRETE IN ACCORDANCE WITH CLARK COUNTY BUILDING CODE STANDARDS 30.32 AND 30.68 (SITE ENVIRONMENTAL).
- ⑨ REMOVE EXISTING ASPHALT TO EXISTING CITY SIDEWALK/DRIVEWAY.
- ⑩ REMOVE EXISTING BOULDERS TO BE STOCK PILED FOR FUTURE USE PER THE DIRECTION OF THE CITY OF LAS VEGAS.
- ⑪ SAWCUT AND REMOVE THIS PORTION OF EXISTING CURB, GUTTER AND ASPHALT. REFER TO GRADING PLAN AND LANDSCAPE PLAN FOR PROPOSED IMPROVEMENTS.
- ⑫ REMOVE EXISTING FIRE STATION GATE, FENCE PANEL AND FOOTINGS.
- ⑬ REMOVE EXISTING GATE TRACK AND PATCH/REPAIR ASPHALT.
- ⑭ REMOVE EXISTING GATE POSTS AND FOOTINGS.
- ⑮ REMOVE PORTION OF EXISTING CONCRETE CURB RETURN. REFER TO GRADING PLAN AND LANDSCAPE PLAN FOR PROPOSED IMPROVEMENTS.
- ⑯ EXISTING IMPROVEMENT TO REMAIN.
- ⑰ REMOVE EXISTING AND INACTIVE WATER CABINET PLUS ADJACENT WATER BOX. RETURN TO THE CITY OF LAS VEGAS FOR FUTURE USE. STUB AND CAP ANY EXISTING WATER LINES AS NECESSARY.

DEMOLITION NOTES:

1. ALL REMOVAL WORK (EXCEPT AS NOTED) SHALL BE DISPOSED OF OFF SITE, IN A LEGAL MANNER AT THE CONTRACTOR'S EXPENSE.
2. CLEAR THE SITE AS NOTED OF GRASS, WEED GROWTH, RUBBISH DEBRIS, PAVING, CONCRETE, INACTIVE OR ABANDONED FACILITIES (VERIFIED BY THE APPROPRIATE AGENCY), ETC. THAT ARE TO BE REMOVED FOR CONSTRUCTION OF THE SITE IMPROVEMENTS.
3. ROOTS THREE INCHES IN DIAMETER AND LARGER, ROCKS AND BROKEN MASONRY LARGER THAN FOUR INCHES IN ANY DIMENSION SHALL BE REMOVED TO A MINIMUM DEPTH OF TWELVE INCHES BELOW FINISH GRADE.
4. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO BIDDING AND CONSTRUCTION.
5. ANY CURB, GUTTER, SIDEWALK, DRIVE, AND/OR EXISTING IMPROVEMENT THAT IS DAMAGED DURING DEMOLITION AND CONSTRUCTION OF THE PROJECT SHALL BE REMOVED AND REPLACED BY CONTRACTOR AT HIS/HER OWN EXPENSE.
6. EXISTING IMPROVEMENTS, SUCH AS DRIVE, SIDEWALK, TO MANHOLES MAY HAVE TO BE ADJUSTED TO FINISH GRADE.

APPROVED FOR CONSTRUCTION:

PROJECT No. 124949 DATE: _____

REVISIONS

CONSULTAN

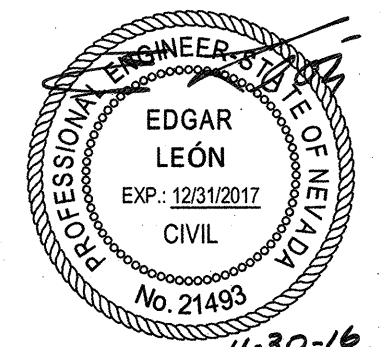
Cardno
Shaping the Future

G

LAS VEGAS
7115 AMIGO STREET, STE 100, LAS VEGAS, NV 89119
TEL: (702) 990-9300 FAX: (702) 990-9305 www.cardno.com

MAYFAIR PLACE PARK
DEMOLITION PLAN

STANE



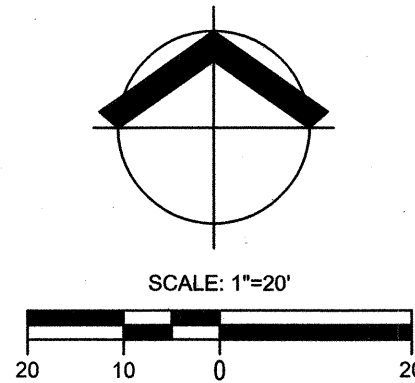
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	EL
TITLE	1099-CD-DEMO.DWG
DATE	2016-11-30
SCALE	1"=20'
UID NO	1559812
PLV DWG NO	650.111
	H# 66624

RIGHT NO
C.3.01

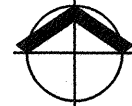
REVISED 8/27/03



A street map showing the location of the 'THIS SHEET' area. The map includes streets such as JOSHUA WAY, LEWIS AVE, CHOLLA AVE, CLARK AVE, 15TH ST, 16TH ST, MAYFAIR PL, and CHARLESTON BLVD. A shaded area is labeled 'THIS SHEET' with an arrow pointing to it.

KEY MAP

SCALE: NTS



	EXISTING RIGHT-OF-WAY LINE/PROPERTY LINE
	EXISTING CURB & GUTTER
	EASEMENT LINE
	SAWCUT LINE
	EXISTING CONCRETE TO BE REMOVED
	EXISTING AC DRIVE TO BE REMOVED
	EXISTING AC AND CURB TO BE REMOVED
	REMOVE EXISTING CURB GUTTER AND ASPHALT
	EXISTING LIGHT POLE FOOTINGS TO BE REMOVED
	EXISTING SEWER CLEANOUT TO BE REMOVED
	EXISTING EMERGENCY SIGNAL
	EXISTING BLOCK WALL
	EXISTING PALM TREE/SHRUB
	EXISTING TREES
	PROTECT EXISTING TREE IN PLACE
	EXISTING CHAIN LINK FENCE

- 1) REMOVE EXISTING CHAIN LINK FENCE.
- 2) REMOVE EXISTING BLOCK WALL AND BLOCK WALL FOUNDATION.
- 3) REMOVE PALM TREES AND SHRUBS.
- 4) EXISTING TREES TO BE PROTECTED. SEE TREE PROTECTION PLAN.
- 5) REMOVE ±10 LINEAR FEET OF EXISTING SANITARY SEWER PIPE AND SANITARY SEWER CLEAN-OUT TO THE EXTENT OF THE PROJECT PROPERTY LINE. CONTRACTOR SHALL STUB AND CAP EXISTING SANITARY SEWER PIPE AT PROPERTY LINE. CONTRACTOR SHALL VERIFY EXISTING INVERT ELEVATION AND NOTIFY THE ENGINEER ANY ELEVATION DISCREPANCY IMMEDIATELY. REFER TO UTILITY PLAN FOR PLANNED USE OF EXISTING SANITARY SEWER PIPE AT THIS LOCATION.
- 6) REMOVE EXISTING LIGHT POLE FOOTINGS ON SITE. CONTRACTOR SHALL CHASE AND REMOVE EXISTING ELECTRICAL CONDUIT TO THE NEAREST PULL BOX.
- 7) SAWCUT CONCRETE AT BACK OF EXISTING CITY SIDEWALK/DRIVEWAY.
- 8) REMOVE EXISTING CONCRETE IN ACCORDANCE WITH CLARK COUNTY BUILDING CODE STANDARDS 30.32 AND 30.68 (SITE ENVIRONMENT).
- 9) REMOVE EXISTING ASPHALT TO EXISTING CITY SIDEWALK/DRIVEWAY.
- 10) REMOVE EXISTING Boulders TO BE STOCK PILED FOR FUTURE USE PER THE DIRECTION OF THE CITY OF LAS VEGAS.
- 11) SAWCUT AND REMOVE THIS PORTION OF EXISTING CURB, GUTTER AND ASPHALT. REFER TO GRADING PLAN AND LANDSCAPE PLAN FOR PROPOSED IMPROVEMENTS.
- 12) REMOVE EXISTING FIRE STATION GATE, FENCE PANEL AND FOOTING.
- 13) REMOVE EXISTING GATE TRACK AND PATCH/REPAIR ASPHALT.
- 14) REMOVE EXISTING GATE POSTS AND FOOTINGS.
- 15) REMOVE PORTION OF EXISTING CONCRETE CURB RETURN. REFER TO GRADING PLAN AND LANDSCAPE PLAN FOR PROPOSED IMPROVEMENTS.
- 16) EXISTING IMPROVEMENT TO REMAIN.
- 17) REMOVE EXISTING AND INACTIVE WATER CABINET PLUS ADJACENT WATER BOX. RETURN TO THE CITY OF LAS VEGAS FOR FUTURE

"2LV0135SSW6" BEING A RIVET AND PLATE IN TOP OF CURB AT
NORTHEAST CORNER OF CHARLESTON AND 17TH STREET.

ELEVATION = 587.091 METERS
1665.17 FEET

CITY OF LAS VEGAS VERTICAL CONTROL V.2008 NAVD 1988

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA
COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS
VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983
(NAD83); SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF
THE GREENWICH MERIDIAN.

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



LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT No. 124949 DATE: _____

REVISIONS

CONSULTANT

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Shaping the Future

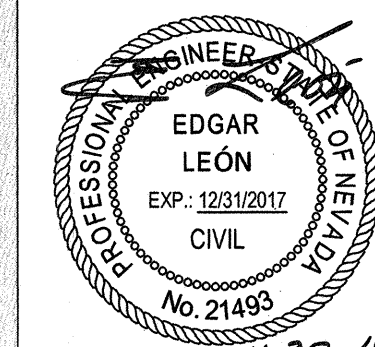
LAS VEGAS

7115 AMIGO STREET, STE 100, LAS VEGAS, NV 89119
TEL: (702) 990-9300 FAX: (702) 990-9305 www.cardno.com

MAYFAIR PLACE PARK

DEMOLITION PLAN

STAY



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAW

FILE 1099-CD-DEMO.DWG

DATE 2016-11-30

SCALE 1"=20'

BID NO	
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CLV DWG

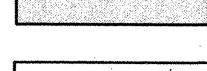
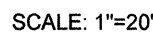
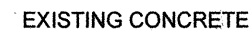
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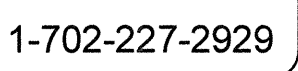
C.3.02

REVISÉ 8/27/03



ALL GRADING SHALL CONFORM TO GEOTECHNICAL REPORT
BY: NOVA GEOTECHNICAL
PROJECT NUMBER: E-15-203
DATED: JANUARY 15, 2016

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983 (NAD83); SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

[illegible]

DISCLAIMER NOTE

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

BENCHMARK

2LV01355SW* BEING A RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CHARLESTON BOULEVARD AND 17TH STREET.

ELEVATION = 587.091 METERS
1665.17 FEET

CITY OF LAS VEGAS VERTICAL CONTROL V.2008 NAVD 1988

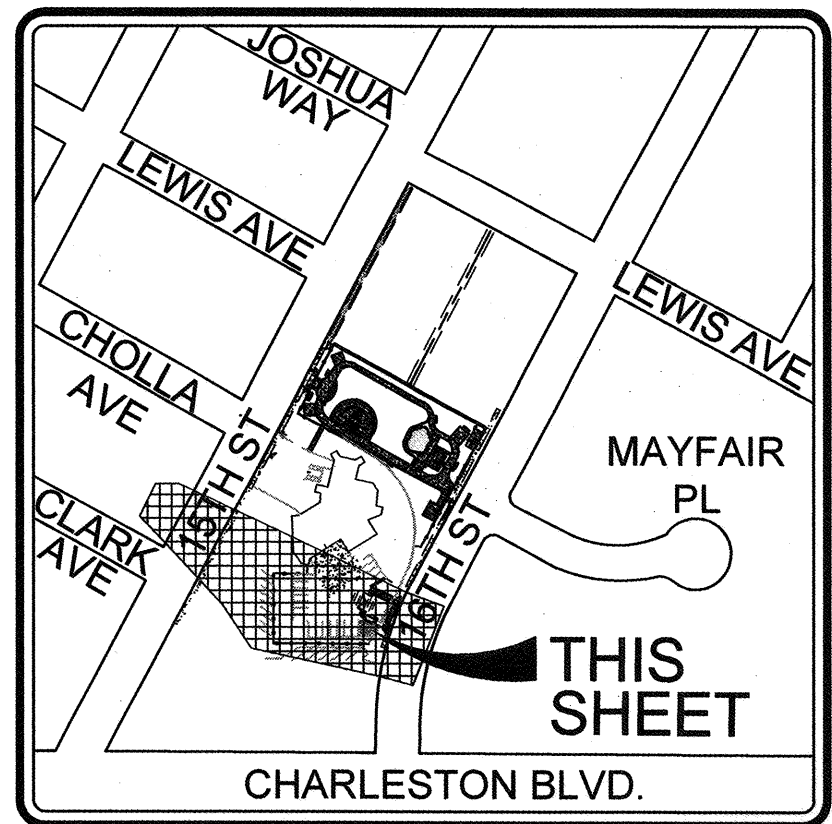
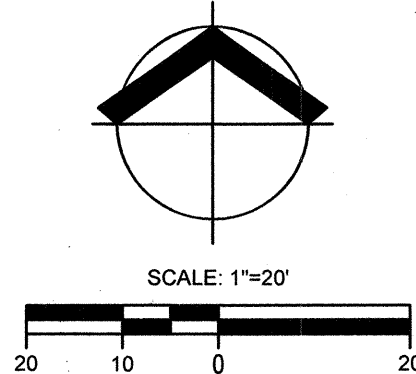
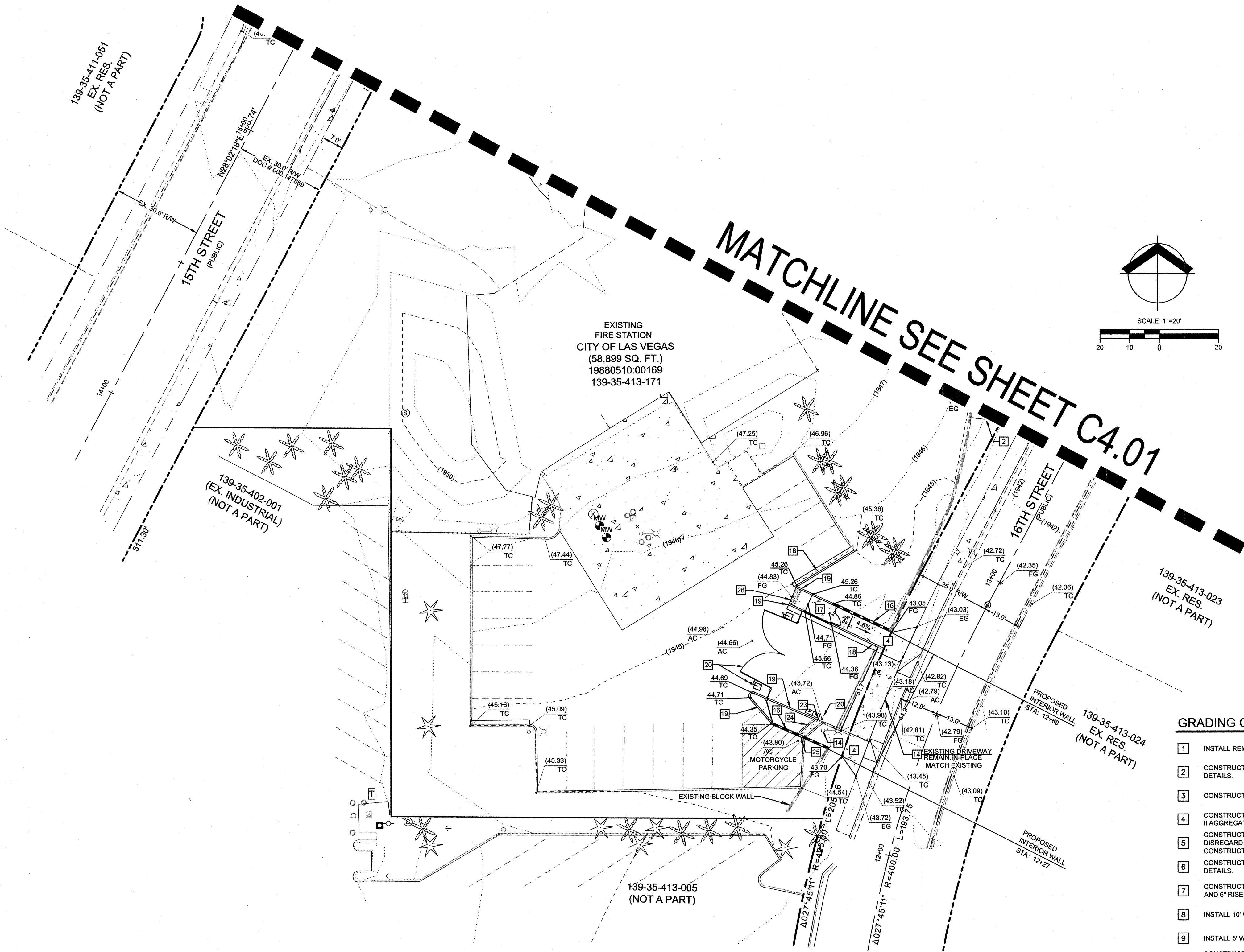
BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983 (NAD83), SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

FAST
Call before you Dig
Underground
1-702-432-5300
PREPARE A UTILITY LOCATION SYSTEM (PULS) TRANSDUCER (FAST)

Call before you Dig
CALL
OR
1-800-227-2600

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



KEY MAP
SCALE: NTS

LEGEND

PROPOSED	EXISTING	
---	---	PROPERTY LINE / ROW LINE
---	---	EASEMENT LINE
---	---	CENTER LINE
---	---	CURB & GUTTER
---	---	RETAINING WALL
---	---	SAWCUT LINE
---	---	FLOW LINE
---	---	GRADE BREAK
---	---	MAJOR 5' CONTOUR
---	---	MINOR 1' CONTOUR
---	---	SCARP (3:1 MAX)
XX	XX	FUTURE GRADE TAG
XX	XX	EXISTING GRADE TAG
XX	XX	PROPOSED GRADE TAG
RET H=2.0'		PROPOSED RETAINING WALL (HEIGHT PER PLAN)
FF		FINISHED FLOOR
TC		TOP OF CURB
AC		TOP OF PAVEMENT
FL		FLOW LINE GRADE
EP		EDGE OF PAVEMENT
TB		TOP OF BERM
TW		TOP OF RETAINING WALL
TF		TOP OF FOOTING
1.00%		GRADE SLOPE
		SECTION MARKER-DETAIL NUMBER ABOVE SHEET NUMBER
		PROPOSED CONCRETE
		PROPOSED RUBBERIZED SURFACE PER LANDSCAPE PLAN DETAILS
		EXISTING CONCRETE

GRADING CONSTRUCTION NOTES

- INSTALL REMOVABLE BOLLARD PER LANDSCAPE PLAN DETAILS.
- CONSTRUCT WROUGHT IRON FENCE PER LANDSCAPE PLAN DETAILS.
- CONSTRUCT CMU BLOCK WALL.
- CONSTRUCT CONCRETE SIDEWALK WITH 4" CONCRETE AND 6" TYPE II AGGREGATE BASE PER LANDSCAPE PLAN AND CCAUSD #234.
- CONSTRUCT 10' WIDE CONCRETE PATHWAY PER CCAUSD #215 S1. DISREGARD INVERTED CROWN SECTION ON CCAUSD #215 S1 AND CONSTRUCT PER GRADING PLAN.
- CONSTRUCT 12" X 8" CONCRETE MOW CURB PER LANDSCAPE PLAN DETAILS.
- CONSTRUCT TWO CONCRETE STEPS WITH 12" HORIZONTAL TREADS AND 6" RISERS AT PATHWAY PER LANDSCAPE PLAN DETAILS.
- INSTALL 10' WIDE SWING GATE PER LANDSCAPE PLAN DETAILS.
- INSTALL 5' WIDE SWING GATE PER LANDSCAPE PLAN DETAILS.
- CONSTRUCT 10' TO 6' WIDE CONCRETE PATHWAY TRANSITION. INSTALL CONCRETE SECTION PER GRADING CONSTRUCTION NOTE 4.
- INSTALL VEHICLE ACCESS GATES INGRESS/EGRESS FOR MAINTENANCE PURPOSES.
- INSTALL STATIONARY BOLLARD PER LANDSCAPE PLAN DETAIL.
- INSTALL RUBBERIZED SURFACE AND/OR SURFACE FOR ABSORPTION AND/OR ATTENUATION OF HUMAN IMPACT LOADS IN ACCORDANCE WITH CITY OF LAS VEGAS AND ADA STANDARDS.
- EXISTING UTILITY AND/OR IMPROVEMENT TO BE PROTECTED IN PLACE AND ADJUSTED TO GRADE.
- CONSTRUCT BIKE RACK PER LANDSCAPE PLAN DETAILS.
- CONSTRUCT CMU BLOCK WALL WITH STUCCO FINISH AND PAINT PER LANDSCAPE PLAN DETAILS.
- INSTALL PEDESTRIAN ACCESS GATE PER LANDSCAPE PLAN DETAILS.
- CONSTRUCT "L" TYPE CURB PER CCAUSD #216.
- CONSTRUCT ZERO-FACE "A" TYPE CURB PER CCAUSD #219.
- INSTALL ACCESS GATES, GATE OPERATORS (ON CONCRETE PADS), AND ACCESS CONTROL (ON CONCRETE PAD) PER LANDSCAPE DETAILS.
- INSTALL METER PEDESTAL PER ELECTRICAL PLAN.
- INSTALL NEVADA ENERGY TRANSFORMER PER ELECTRICAL PLANS.
- CONSTRUCT 1-FOOT WIDE CURB OPENING.
- CONSTRUCT 2-FOOT WIDE CONCRETE FLUME PER DETAIL E ON SHEET C.5.01.
- CONSTRUCT 12" (HEIGHT) X 24" (WIDTH) BLOCK WALL OPENING FOR DRAINAGE. INSTALL FOUR (4) VERTICAL #4 BARS @ 6" O.C. AT WALL OPENING.
- CONSTRUCT SIDEWALK RAMP WITH TRUNCATED DOMES PER DETAIL F ON SHEET C.5.01 AND CCAUSD 235 (SHEET 4 OF 4).

GRADING QUANTITIES

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

WORK UNDER THIS PLAN CONSTITUTES GRADING IN ACCORDANCE WITH 2012 IBC. ENGINEERING REPORTS AND CERTIFICATIONS IN CONFORMANCE WITH IBC SHALL BE FILED WITH THE CITY OF HENDERSON PRIOR TO CITY APPROVAL AT FINAL INSPECTION.

CUT: 105 CY
FILL: 141 CY
NET: 36 CY(FILL)

EXPORT MATERIAL MUST BE DISPOSED OF IN AN APPROVED DISPOSAL FACILITY OR TAKEN TO A SITE WITH AN APPROVED AND ACTIVE GRADING PERMIT.

GRADING NOTES

- ADD 1800' TO ALL EXISTING AND PROPOSED DESIGN GRADES. DO NOT ADD 1800' TO CONTOUR OR FF ELEVATIONS.
- CARDNO SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.

SOILS NOTE

ALL GRADING SHALL CONFORM TO GEOTECHNICAL REPORT BY: NOVIA GEOTECHNICAL PROJECT NUMBER: E-15-203 DATED: JANUARY 15, 2016

REVISIONS

CONSULTANT

Cardno
Shaping the Future

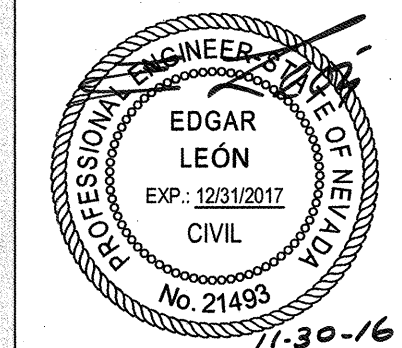


LAS VEGAS
7115 AMIGO STREET, STE 100, LAS VEGAS, NV 89119
TEL: (702) 990-9300 FAX: (702) 990-9305 WWW.CARDNO.COM

MAYFAIR PLACE PARK

GRADING PLAN

STAMP



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

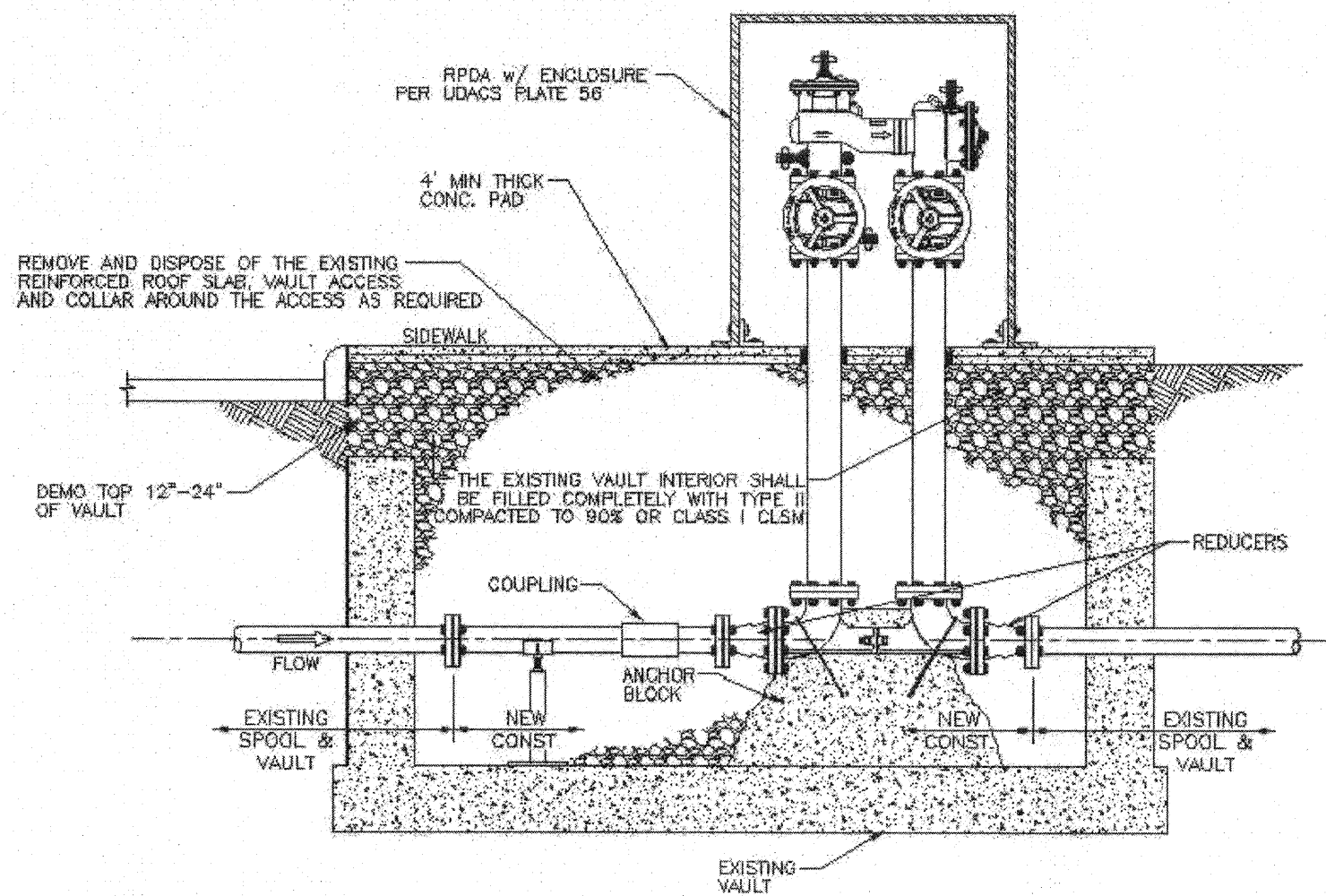
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 239-6536
FAX: (702) 382-3232
TDD: (702) 386-9106

DRAWN: EL
FILE: 1099-CD-GRADEDUG
DATE: 2016-11-30
SCALE: 1"=20'
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CLV DWG NO: 650.111
H# 66624

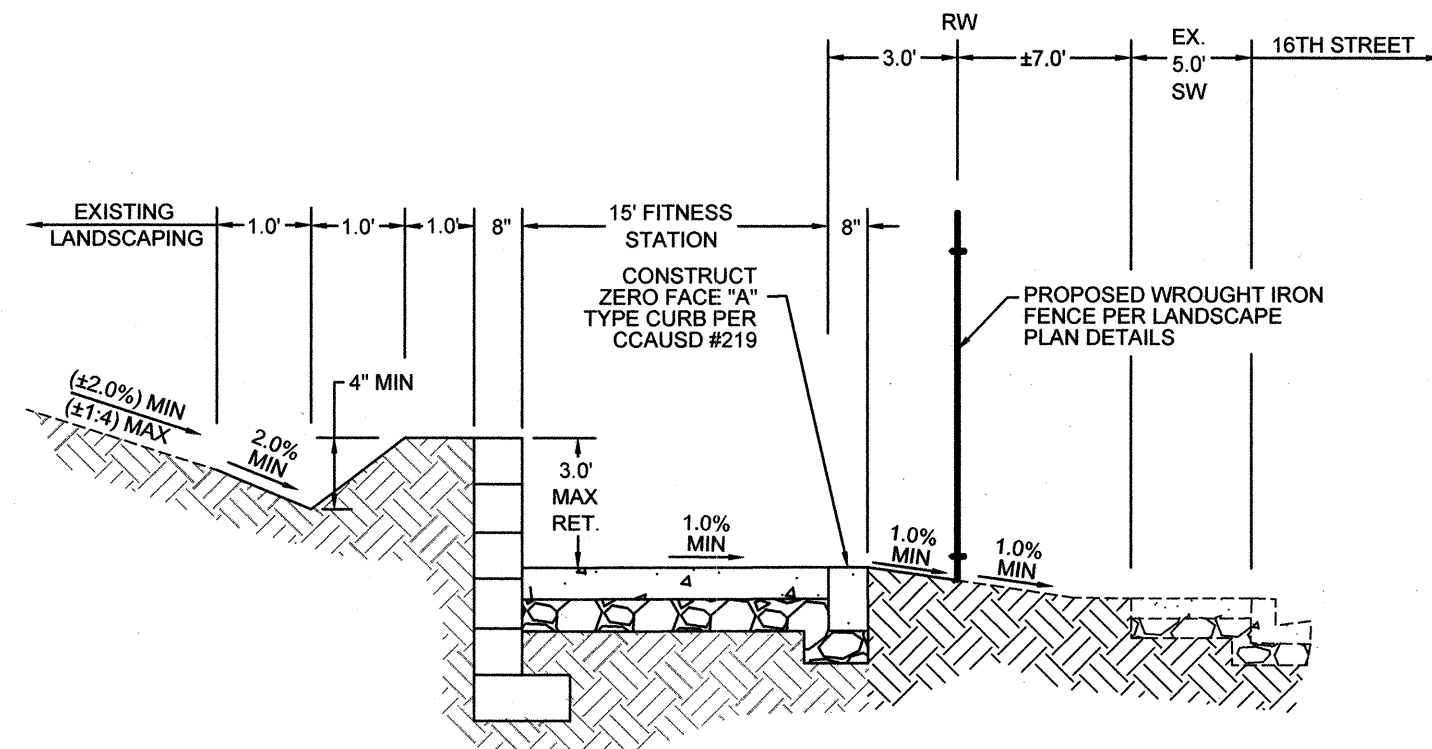
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C.4.02

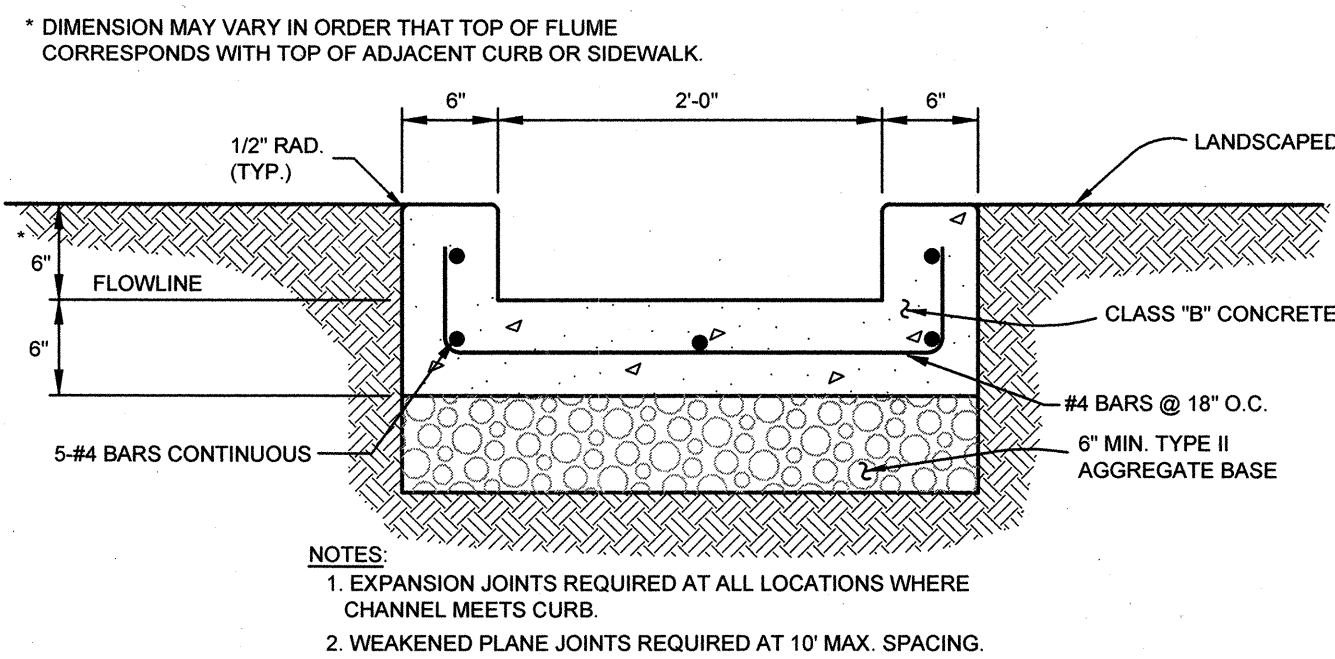
REVISED 6/27/03



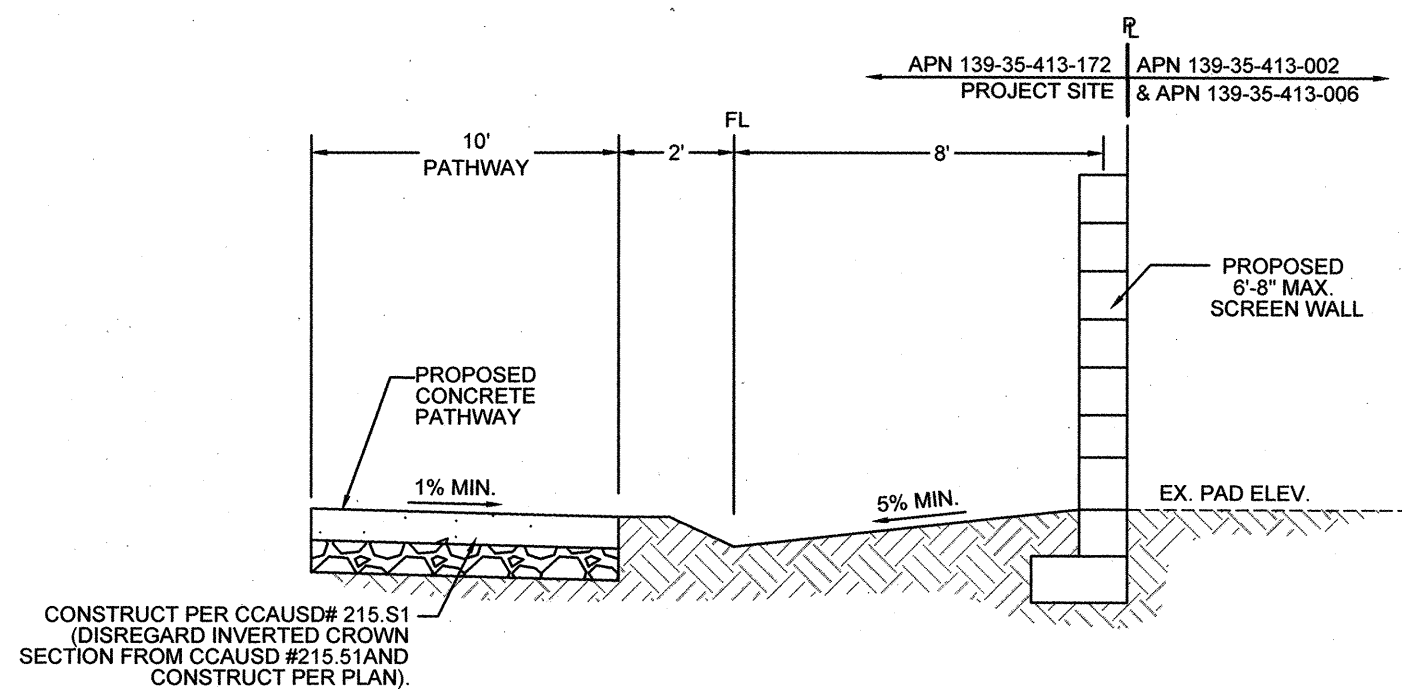
G VAULT ABANDONMENT (W/ UG REDUCERS)
NOT TO SCALE



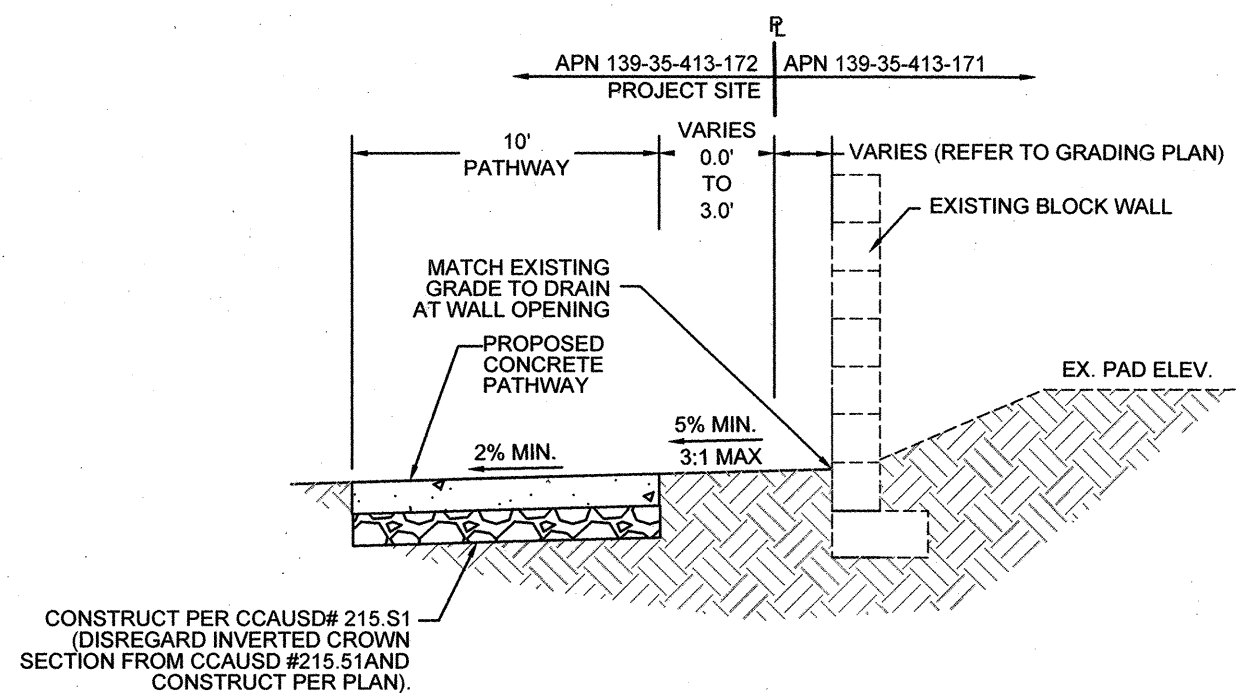
D FITNESS STATION
NOT TO SCALE



E CONCRETE FLUME
NOT TO SCALE

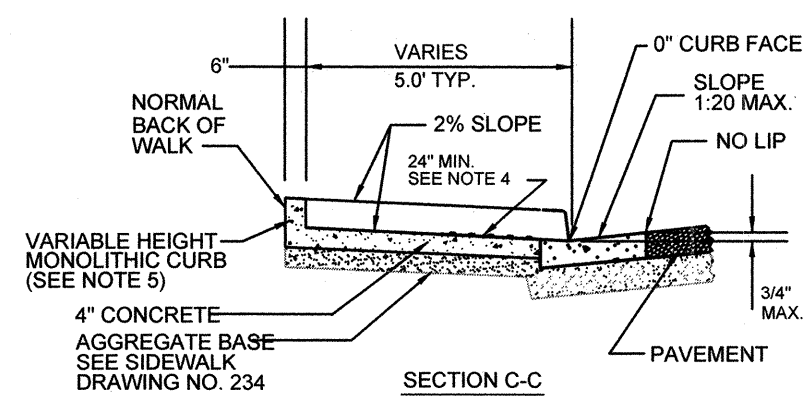


A PROPERTY WALL
NOT TO SCALE

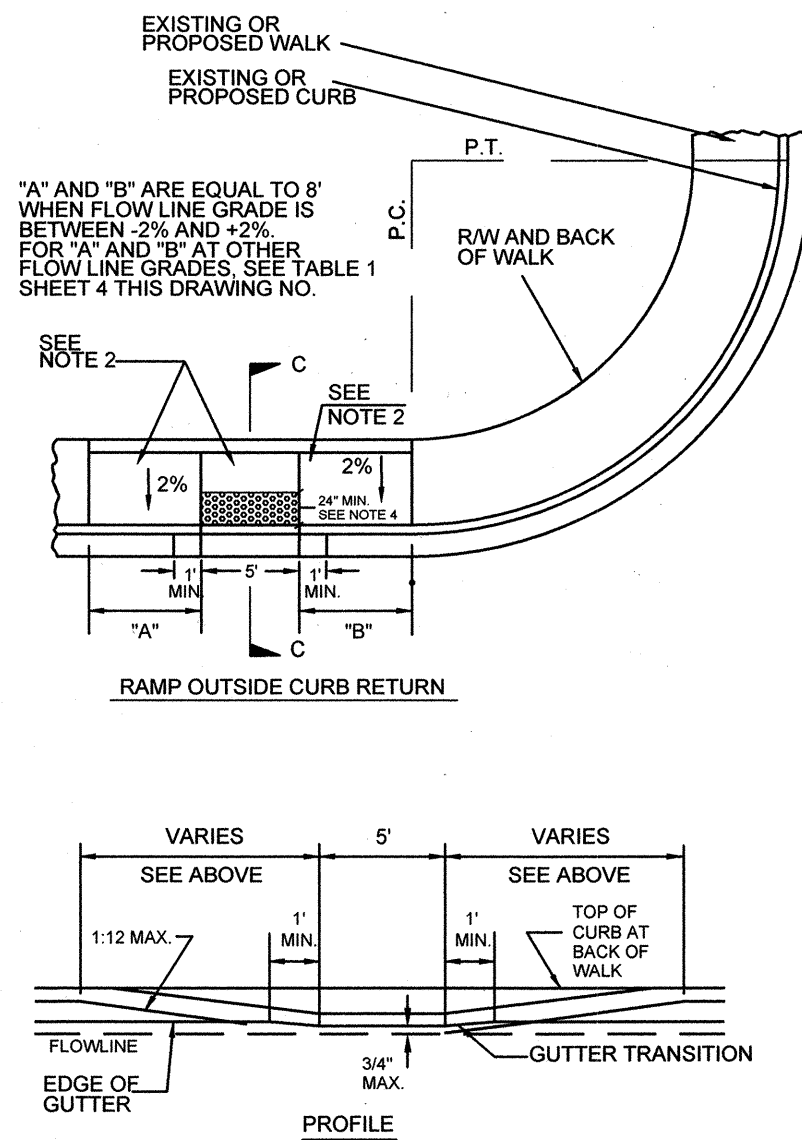


B CONCRETE PATHWAY
NOT TO SCALE

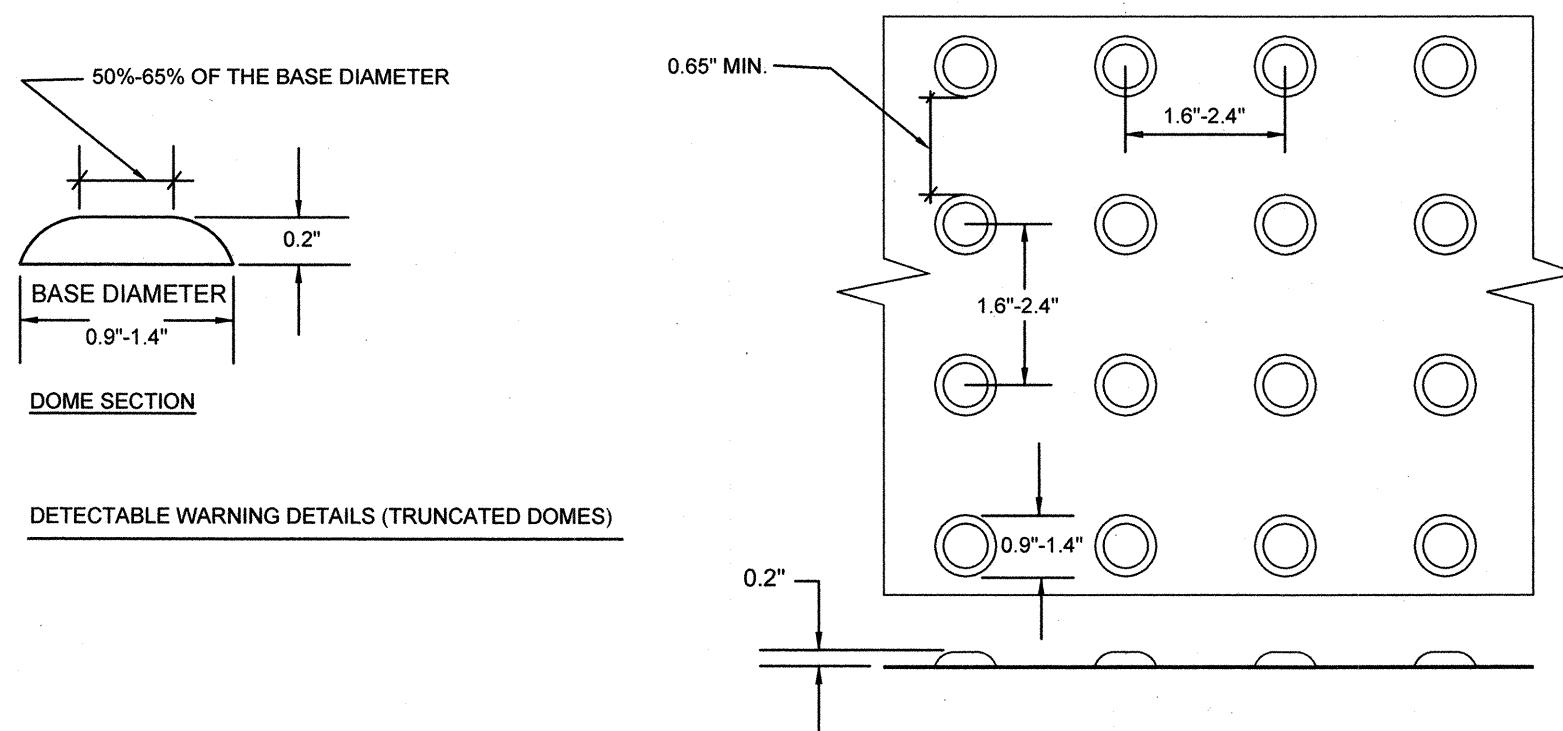
- NOTES:**
1. SIDEWALK RAMP OUTSIDE OF THE CURB RETURN SHALL BE LOCATED ADJACENT TO THE RETURN UNLESS OTHERWISE APPROVED.
 2. RAMP SHALL BE CONSTRUCTED WITH A ROUGH BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
 3. WHEN CONSTRUCTING RAMP WHERE CURB & GUTTER EXISTS, COMPLETELY REMOVE INTERFERING PORTIONS OF EXISTING CURB & GUTTER.
 4. DETECTABLE WARNING CONSISTING OF RAISED TRUNCATED DOMES WHICH COMPLY WITH DETAILS ON SHEET 4 OF THIS DRAWING NO. AND CONTRASTING VISUALLY WITH ADJOINING SURFACES SHALL BE PLACED ON BOTTOM PORTION OF RAMP EXTENDING THE FULL WIDTH OF THE RAMP AND TO A MINIMUM DEPTH OF 24 INCHES. PAVEMENT PERMITTED ONLY IN THE CITY OF BOULDER CITY FOR DETECTABLE WARNING AREAS.
 5. CURB MAY BE PLACED AND IS PREFERRED BEHIND BACK OF WALK IF SUFFICIENT RIGHT-OF-WAY OR EASEMENTS EXIST AND AS APPROVED BY THE ENGINEER.



C FENCE LINE
NOT TO SCALE



F SIDEWALK RAMP - CASE I
NOT TO SCALE



FAST

Call before you Dig

Underground

1-702-432-5300

PREPARED BY NATIONAL SYSTEM OF TRANSPORTATION PART

Call before you Dig

YOU DO

CALL 811

OR

1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU DO OVERHEAD

1-702-227-2929

SOILS NOTE

ALL GRADING SHALL CONFORM TO GEOTECHNICAL REPORT BY: NOVA GEOTECHNICAL PROJECT NUMBER: E-15-203 DATED: JANUARY 15, 2016

APPROVED FOR CONSTRUCTION:

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT No. 124949 DATE: _____

REVISIONS

NO.	DESCRIPTION

CONSULTANT

Cardno
Shaping the Future

LAS VEGAS
7115 AMICO STREET, STE 100, LAS VEGAS, NV 89119
TEL: (702) 990-9300 FAX: (702) 990-9300 www.cardno.com

MATFAIR PLACE PARK

GRADING DETAILS

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 228-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

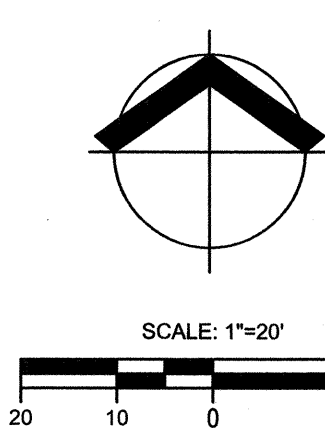
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FILE: 1089-CD-GRADEDUG
DATE: 2016-11-30
SCALE: 1"=20'
BID NO: 1553812
CLDWG NO: 650.III
H# 66624
SHT NO: C.5.01

REVISED 8/27/03

UTILITY NOTES:

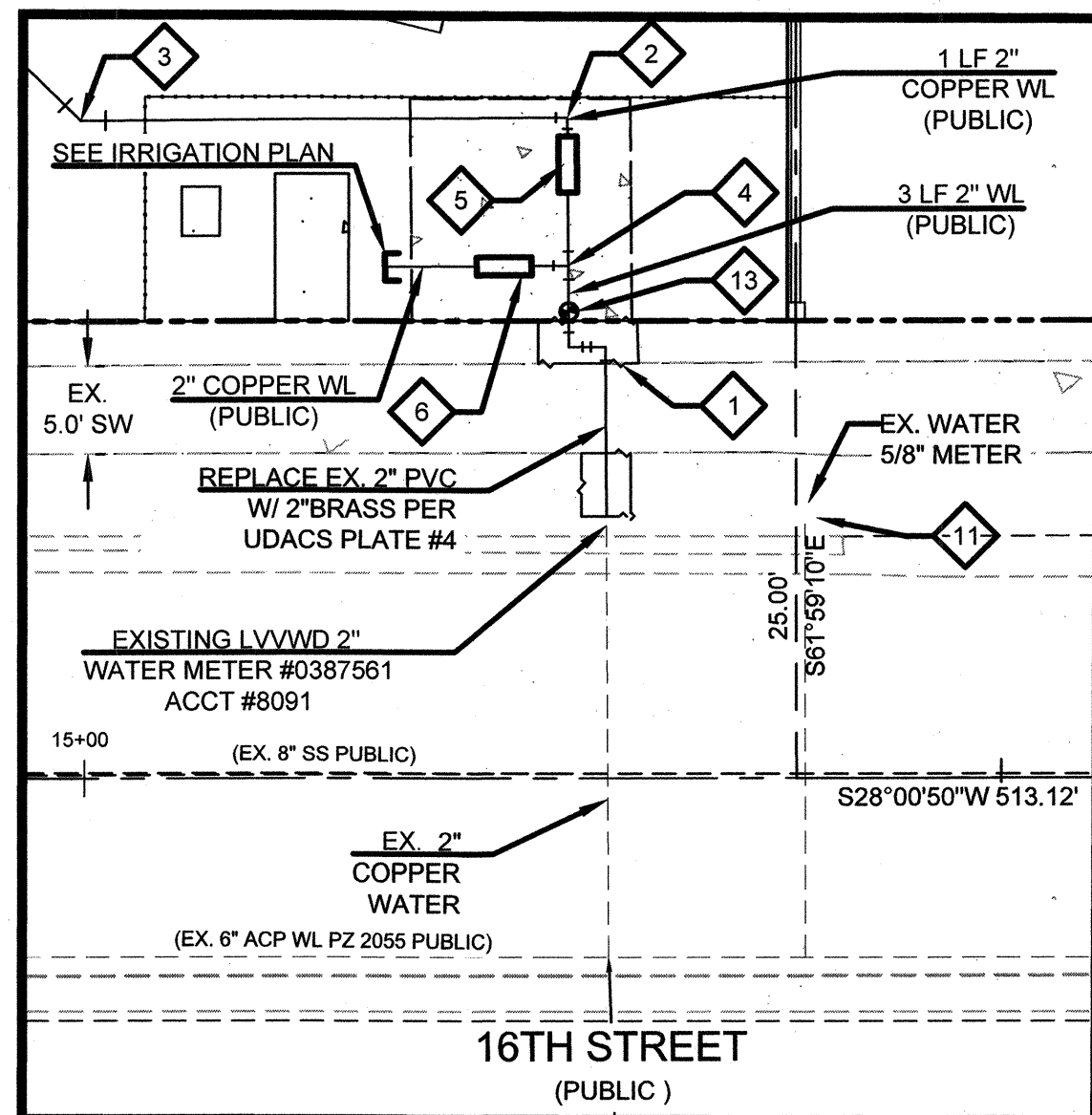
- SEWER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH "DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS" LATEST EDITION, WHERE APPLICABLE.
- ALL WATERLINE FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS" (UDACS) LATEST EDITION.
- REPLACE ALL TRAFFIC CONTROL DEVICES (SIGNS OR PAVEMENT MARKINGS) UNDER CLARK COUNTY JURISDICTION THAT ARE DISTURBED, DESTROYED, MOVED OR MODIFIED BY TRENCHING ACTIVITY TO CLARK COUNTY SATISFACTION. ALL MATERIALS USED SHALL MEET CLARK COUNTY'S SPECIFICATIONS, OR WILL BE AN APPROVED EQUIVALENT.
- FOR ANY UTILITY CUTS, TRENCH BACKFILL PER CCAUSD #503 THAT APPLIES (SEE NEW RTC SPECS).
- DISPOSAL OF ASBESTOS CEMENT PIPE SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.
- ADJUST ALL WATER VALVES BOXES TO FINISHED GRADE PER UDACS PLATE NO. 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
- ADJUST ALL MANHOLES TO FINISHED GRADE.
- ADJUST ALL EXISTING UTILITY BOXES/Vaults TO FINISHED GRADE.
- CONTRACTOR TO VERIFY ALL EXISTING UTILITIES CROSSING PROPOSED UTILITIES PRIOR TO CONSTRUCTION.
- ENTIRE PROJECT SITE AND ALL PROPOSED LINES ARE PART OF THE 2035 PRESSURE ZONE SYSTEM.
- NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS, TREES AND STREETLIGHT POLE, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM TOP OF CURB, OR WHERE NO CURB EXISTS, A HEIGHT OF 27 INCHES MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG THE SIGHT VISIBILITY LINE THROUGH LANDSCAPE MEDIANS.
- ELEVATION OF PROPOSED AND EXISTING GAS MAINS ARE NOT KNOWN.

NORTH



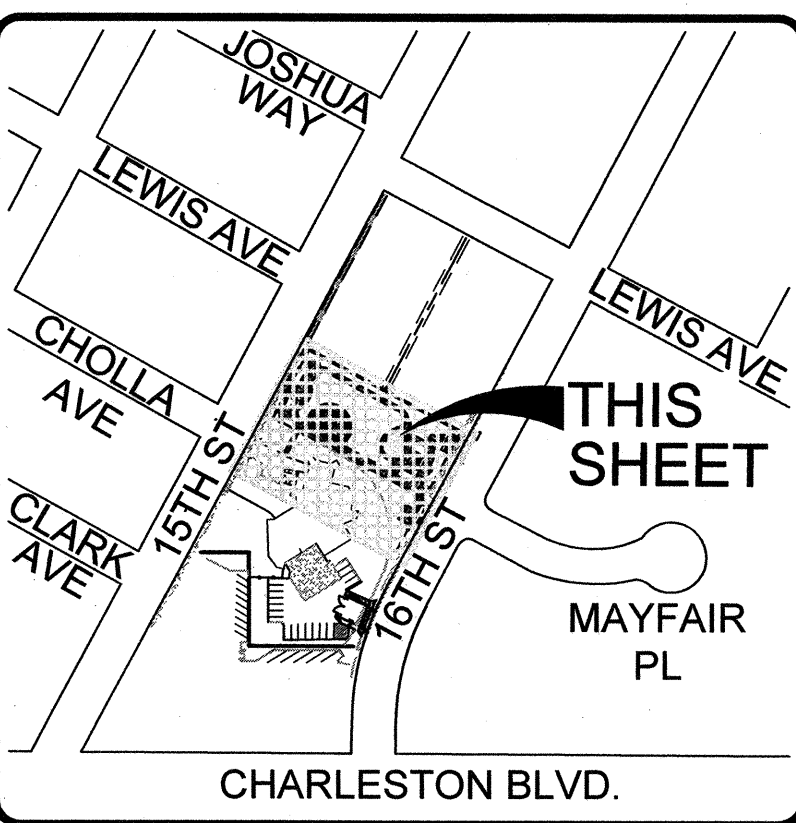
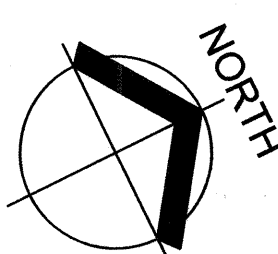
QUANTITIES

	PRIVATE	PUBLIC
2" RPPA (DOMESTIC)	1 EA	-
2" RPPA (IRRIGATION)	1 EA	-
2" COPPER WATER LINE	173 LF	-
2" RPPA (LVVWD)	-	2 EA
2" BRASS WATER LINE	-	12 LF
8" RPDA (LVVWD)	-	1 EA



METER DETAIL

SCALE: 1"=10'



KEY MAP

SCALE: NTS

UTILITY LEGEND

- EXISTING RIGHT-OF-WAY/PROPERTY LINE
- EX. WATER LINE
- EX. SEWER LINE
- EX. SD
- PROPOSED WATER LINE (SIZE PER PLAN)
- EXISTING SEWER LINE (SIZE PER PLAN)
- EXISTING STORM DRAIN LINE (SIZE PER PLAN)
- PROPOSED WATER LINE (SIZE PER PLAN)
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER METER
- EXISTING WATER VALVE
- EXISTING SEWER MANHOLE
- EXISTING LIGHT W/ POLE & BASE
- EXISTING WATER METER
- PROPOSED RPPA
- PROPOSED REDUCER
- CLEAN OUT

WATER CONSTRUCTION NOTES

- EXCAVATE AND INSTALL 2" RPPA PER UDACS PLATE 8.
- INSTALL 2" 90° COPPER WATERLINE BEND.
- INSTALL 2" COPPER WATER PIPE IN TRENCH AND BACKFILL.
- INSTALL 2" COPPER TEE.
- INSTALL 2" BACKFLOW PREVENTION ASSEMBLY (RPPA) FOR DOMESTIC USE PER UDACS PLATE #6.
- INSTALL 2" BACKFLOW PREVENTION ASSEMBLY (RPPA) FOR IRRIGATION USE PER UDACS PLATE #8.
- INSTALL 2" 45° COPPER WATERLINE BEND.
- INSTALL 2" X 1" COPPER WATERLINE REDUCER.
- INSTALL CAP. REFER TO IRRIGATION PLAN FOR CONTINUATION.
- INSTALL 10" ROUND CONCRETE VALVE BOX PER JENSEN PRECAST MODEL K2436-FH33-08P OR EQUIVALENT.
- EXISTING WATER METER TO REMAIN IN PLACE (PERTAINING TO APN 139-35-413-006 & ACCOUNT #5294).
- PER DEMOLITION PLAN, SANITARY SEWER CAP NEAR PROPERTY LINE TO REMAIN.
- CONNECT TO EXISTING 2" ACP WATER AND INSTALL 2" GATE VALVE.
- INSTALL 1" QUICK COUPLER AND 1" HOSE SWWEL. REFER TO IRRIGATION PLAN FOR DETAIL.
- REFER TO LANDSCAPE PLAN FOR WATER FOUNTAIN POINTS-OF-CONNECTION DETAIL. THIS INCLUDES BOTH WATER AND SANITARY SEWER. CONTRACTOR TO INSTALL ENLARGER/REDUCER AS NECESSARY.
- REMOVE EX. 6" DC AND INSTALL 4" RPDA PER UDACS PLATE #56 (SEE DETAIL ON THIS SHEET).

DISCLAIMER NOTE

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

APPROVED FOR CONSTRUCTION:

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO. 124949 DATE: _____

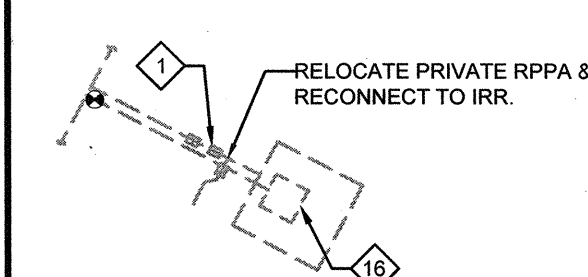
REDUCED PRESSURE PRINCIPLE ASSEMBLY (RPPA) - (2) 1"

THE REDUCED PRESSURE PRINCIPLE ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) SO AS TO ALLOW LVVWD DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

ALL SEWER/STORM DRAIN CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

LVVWD NOTE

RPDA AND ENCLOSURE TO BE PROVIDED BY THE LVVWD. THE INSTALLATION OF THESE IMPROVEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



6" DC TO 8" RPDA DETAIL

BENCHMARK

"2LV01355SW6" BEING A RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CHARLESTON AND 17TH STREET.
ELEVATION = 587.091 METERS
1665.17 FEET
CITY OF LAS VEGAS VERTICAL CONTROL V.2008 NAVD 1988

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983 (NAD83); SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

Call before you Dig
AVOID HITTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

CALL 800

OR

CALL BEFORE YOU DO OVERHEAD

1-702-432-5300

1-800-227-2600

1-702-227-2929

REVISIONS

CONSULTANT

Cardno
Shaping the Future

LAS VEGAS
7115 AMIGO STREET, STE 100, LAS VEGAS, NV 89119
TEL: (702) 990-9300 FAX: (702) 990-9305 WWW.CARDNO.COM

MAYFAIR PLACE PARK
UTILITY PLAN

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 239-6335
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN: EL

FILE: 1099-CD-UTILITY.DWG

DATE: 2016-11-30

SCALE: 1"=20'

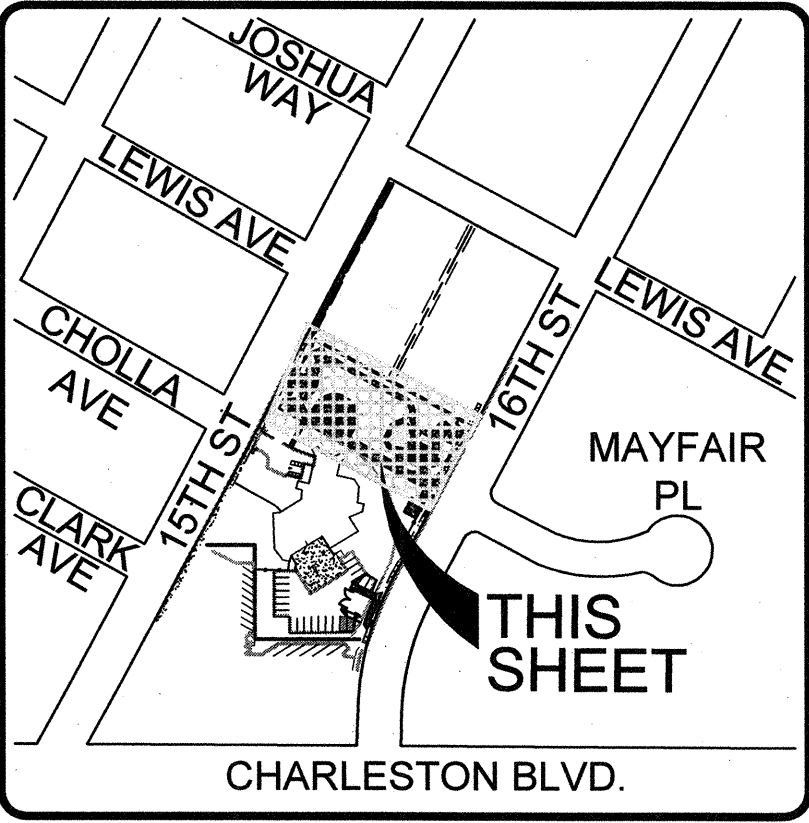
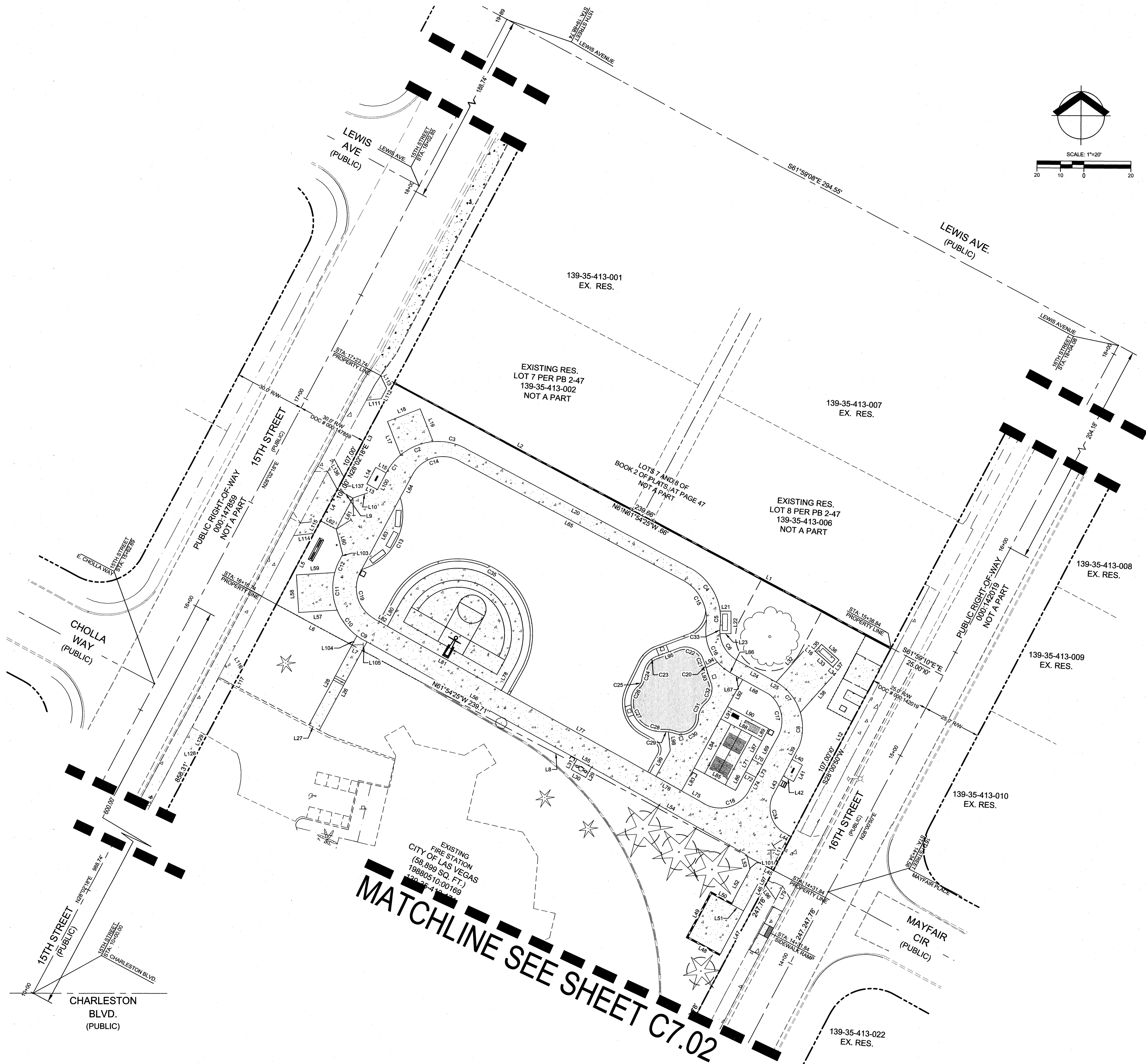
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CLV DWG NO: 650.000

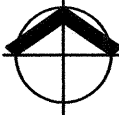
H# 66624

SHT NO: C.6.01

REVISED 9/27/03



KEY MAP
SCALE: NTS



LEGEND

PROPOSED	EXISTING	
---	---	PROPERTY LINE / ROW LINE
---	---	EASEMENT LINE
---	---	CENTER LINE
---	---	CURB & GUTTER

BENCHMARK

ZLV01355SW BEING A RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CHARLESTON AND 17TH STREET.
ELEVATION = 587.091 METERS
1665.17 FEET
CITY OF LAS VEGAS VERTICAL CONTROL V.2008 NAVD 1983

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983 (NAD83), SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

FAST
Call before you dig
Underground
1-702-432-5300

Call before you dig
CALL 811
OR
1-800-227-2600

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

REVISIONS
CONSULTANT
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7115 AMIGO STREET, STE 100, LAS VEGAS, NV 89119
TEL: (702) 990-9300 FAX: (702) 990-9305 www.cardno.com

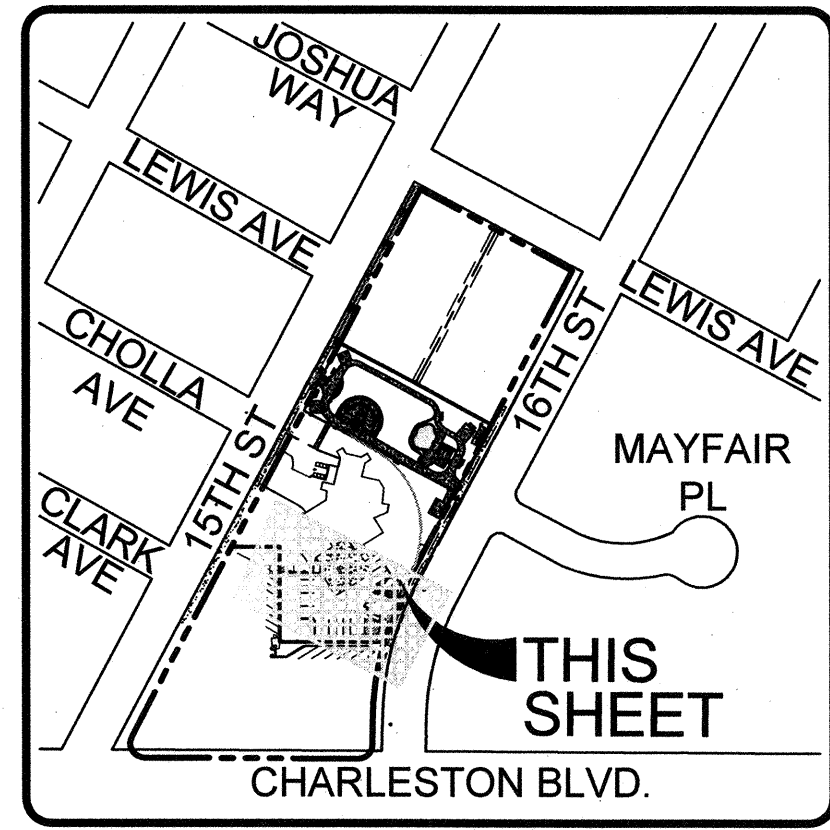
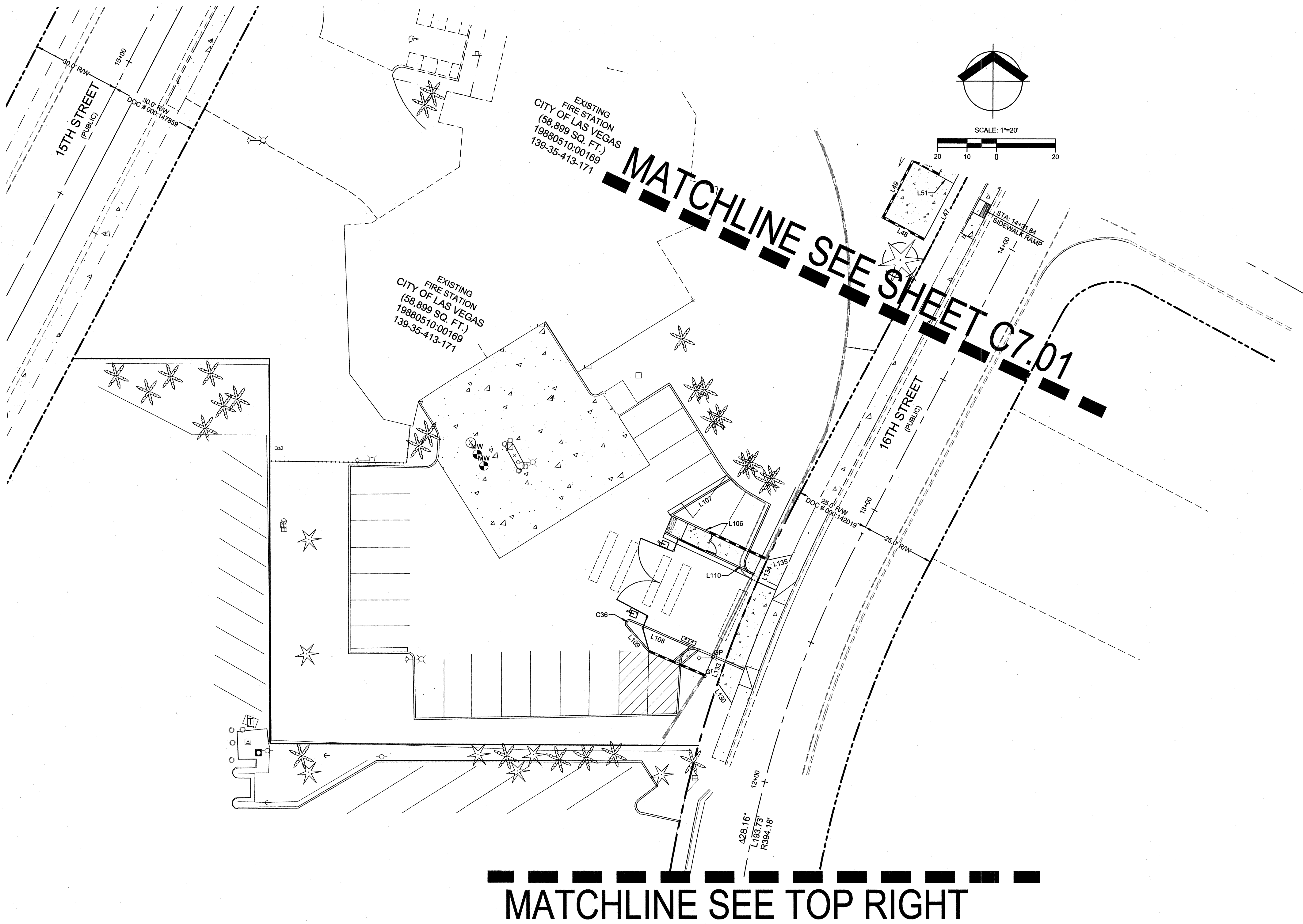
MAYFAIR PLACE PARK
HORIZONTAL CONTROL

STAMP
ENGINEER
EDGAR LEON
EXP: 12/21/2017
CIVIL
NO. 21459
11-30-16

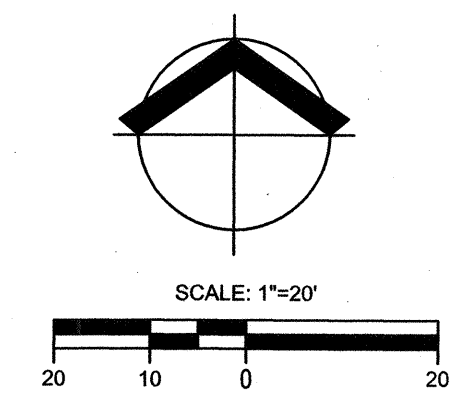
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	EL
FILE	1099-CD-HORIZONTAL.DWG
DATE	2016-11-30
SCALE	1"=20'
SHEET NO	1559812
CLV DWG NO	650.111
	H# 66624
SHT NO	C.7.01



MATCHLINE
SEE BOTTOM LEFT



KEY MAP
SCALE: NTS

MATCHLINE SEE TOP RIGHT

Line Table		
Line #	Length	Bearing
L1	119.89	N61° 54' 25"W
L2	119.78	N61° 54' 25"W
L3	51.56	S28° 02' 18"W
L4	15.17	S28° 02' 18"W
L5	40.27	S28° 02' 18"W
L6	38.47	S61° 54' 25"E
L7	5.00	S61° 54' 25"E
L8	198.24	S61° 54' 25"E
L9	7.50	N61° 06' 13"W
L10	11.07	S70° 41' 30"W
L11	16.14	N28° 00' 50"E
L12	87.26	N28° 00' 50"E
L13	5.05	N61° 57' 28"W
L14	8.00	N28° 02' 17"E
L15	5.00	S61° 57' 42"E
L16	3.77	S48° 21' 03"E
L17	15.33	N21° 31' 40"W
L18	16.00	N68° 27' 17"E
L19	15.74	S21° 31' 38"E
L20	106.95	N61° 52' 57"W
L21	4.70	N60° 00' 00"E

Line Table		
Line #	Length	Bearing
L22	9.49	S0° 00' 00"E
L23	4.77	N60° 00' 00"W
L24	19.12	N60° 50' 35"W
L25	0.68	N60° 50' 35"W
L26	38.64	N28° 11' 42"E
L27	5.00	S61° 58' 16"E
L28	36.61	S28° 21' 42"E
L29	3.02	N29° 09' 54"E
L30	7.00	S60° 50' 06"E
L31	2.89	S28° 09' 54"W
L32	20.81	N41° 40' 28"E
L33	10.00	N48° 19' 57"W
L34	2.55	N48° 19' 32"W
L35	4.00	S41° 58' 04"W
L36	10.00	N48° 01' 54"W
L37	3.95	N41° 55' 19"E
L38	23.76	S41° 40' 28"W
L39	6.38	N28° 11' 09"E
L40	5.00	S61° 57' 42"E
L41	8.00	S28° 18' 20"W
L42	4.95	N61° 57' 40"W

Line Table		
Line #	Length	Bearing
L43	10.23	N27° 59' 13"E
L44	5.00	N60° 09' 33"W
L45	3.00	N60° 43' 37"W
L46	21.54	N28° 00' 36"E
L47	21.01	N28° 11' 24"E
L48	16.00	S61° 46' 36"E
L49	21.00	S28° 11' 24"W
L50	9.00	N61° 48' 36"W
L51	6.00	S61° 46' 36"E
L52	17.07	S28° 02' 50"W
L53	6.03	S14° 04' 01"E
L54	75.75	S60° 43' 37"E
L55	7.00	S60° 43' 37"E
L56	102.45	S60° 43' 37"E
L57	17.05	N86° 34' 26"E
L58	17.03	S3° 25' 34"E
L59	17.01	S86° 34' 27"W
L60	11.12	S14° 21' 09"E
L61	15.06	N28° 02' 18"E
L62	7.50	S61° 57' 42"E
L63	34.85	S28° 06' 29"W

Line Table		
Line #	Length	Bearing
L64	10.42	S28° 06' 29"W
L65	106.91	N61° 51' 29"W
L66	0.35	N60° 50' 35"W
L67	5.95	N60° 52' 59"W
L68	12.91	N60° 49' 29"W
L69	12.70	N28° 14' 58"E
L70	5.00	S61° 45' 02"E
L71	6.00	N28° 14' 58"E
L72	5.00	S61° 45' 02"E
L73	6.00	N28° 14' 58"E
L74	5.57	N28° 14' 58"E
L75	12.82	S35° 09' 17"E
L76	12.43	N60° 43' 37"W
L77	75.43	S60° 43' 37"E
L78	11.99	N28° 19' 24"E
L79	6.40	N28° 06' 16"E
L80	11.98	N28° 16' 23"E
L81	55.62	S62° 53' 06"E
L82	6.56	S60° 38' 54"E
L83	11.05	S28° 16' 23"W
L84	24.00	S28° 14' 58"E

Line Table		
Line #	Length	Bearing
L85	20.00	S61° 45' 02"E
L86	9.00	N28° 14' 58"E
L87	9.00	N28° 14' 58"E
L88	20.00	S61° 45' 02"E
L89	6.00	N28° 14' 58"E
L90	19.91	S61° 46' 13"E
L91	5.99	S28° 09' 25"W
L92	13.24	S28° 09' 25"W
L93	6.79	S18° 11' 02"E
L94	5.36	N64° 24' 19"E
L95	10.30	N69° 23' 42"E
L96	7.53	S35° 09' 17"E
L97	2.33	S27° 56' 46"W
L98	8.13	S6° 45' 19"E
L99	12.55	N29° 01' 46"E
L100	6.51	N28° 02' 18"E
L101	0.54	S83° 01' 35"E
L102	0.50	S62° 53' 06"E
L103	1.94	S28° 02' 18"W
L104	4.44	N28° 21' 42"E
L105	4.22	N28° 21' 42"E

Line Table		
Line #	Length	Bearing
L111	6.34	S83° 50' 47"W
L112	5.00	S28° 02' 18"W
L113	5.95	S25° 22' 28"E
L114	8.68	N83° 41' 28"E
L115	6.06	N28° 02' 18"E
L116	6.62	S28° 21' 25"E
L117	6.00	S28° 54' 47"W
L118	8.68	N83° 41' 28"E
L119	6.27	N28° 02' 18"E
L120	8.31	N34° 54' 28"W
L121	8.24	N18° 54' 36"E
L122	7.96	S24° 20' 42"W
L123	8.81	S78° 11' 41"W
L124	8.62	S28° 21' 25"E
L125	6.00	S28° 02' 18"W

Curve Table			
Curve #	Length	Radius	Delta
C1	10.88	24.93	25.00°
C2	16.29	25.02	37.30°
C3	14.40	24.93	33.09°
C4	23.89	24.46	55.97°
C5	6.60	24.46	15.46°
C6	13.91	14.20	56.13°
C7	16.31	22.65	41.27°
C8	14.74	22.65	37.30°
C9	5.01	25.11	11.44°
C10	13.31	25.11	30.36°
C11	17.37	25.11	39.64°
C12	6.01	25.11	13.71°
C13	38.83	24.50	90.83°
C14	24.33	14.59	95.52°
C15	23.44	18.80	71.44°
C16	23.62	19.95	67.78°
C17	21.17	14.45	83.94°
C18	21.43	13.83	88.74°
C19	23.91	14.82	92.45°
C20	1.01	199.95	0.29°

Curve Table			
Curve #	Length	Radius	Delta
C21	4.32	53.05	4.66°
C22	10.99	8.31	75.79°
C23	8.09	8.03	57.73°
C24	4.06	18.84	12.34°
C25	3.77	4.32	49.94°
C26	5.93	7.79	43.63°
C27	15.08	12.09	71.45°
C28	6.81	13.38	28.14°
C29	5.63	12.77	25.24°
C30	13.83	7.42	106.77°
C31	7.56	8.77	49.38°
C32	9.38	8.14	66.01°
C33	2.92	14.20	11.77°
C34	15.60	12.02	74.35°
C35	87.25	27.81	178.76°

LEGEND

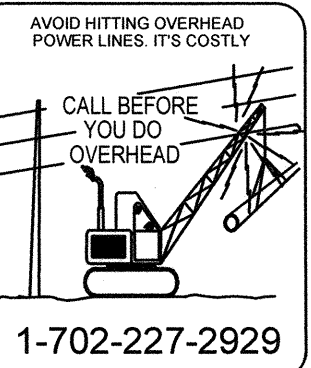
PROPOSED	EXISTING	
---	---	PROPERTY LINE / ROW LINE
---	---	EASEMENT LINE
---	---	CENTER LINE
---	---	CURB & GUTTER

BENCHMARK

"2LV0135SSW6" BEING A RIVET AND PLATE IN TOP OF CURB AT NORTHEAST CORNER OF CHARLESTON AND 17TH STREET.
ELEVATION = 587.091 METERS
1665.17 FEET
CITY OF LAS VEGAS VERTICAL CONTROL V.2008 NAVD 1988

BASIS OF BEARING

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983 (NAD83); SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

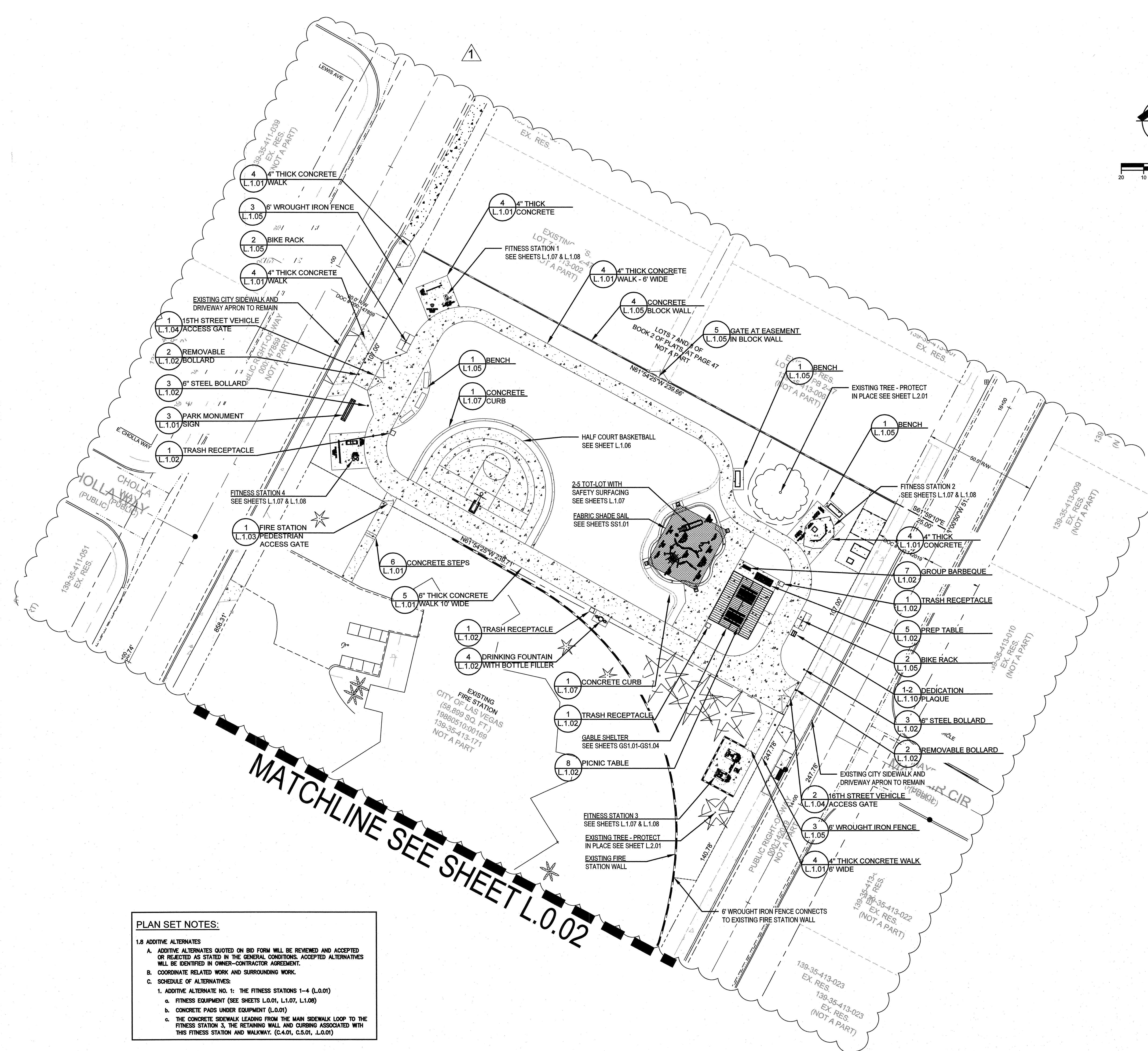


MAYFAIR PLACE PARK
HORIZONTAL CONTROL



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108
DRAWN: EL
FILE: 1099-CD-HORIZONTAL.DWG
DATE: 2016-11-30
SCALE: 1"=20'
BID NO: 1559812
CLV DWG NO: 650.111
H# 66624
SHT NO: C.7.02



LEGEND

NOTES:

- SEE CIVIL HORIZONTAL CONTROL SHEETS C6 THRU C7 FOR SITE LAYOUT INFORMATION. SEE ALSO PROJECT SPECIFICATIONS AND UNIFORM STANDARD SPECIFICATIONS AND STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, WHICH ARE PART OF THESE DOCUMENTS.
- ALL SIGNAGE SHALL CONFORM TO DETAIL PLAN SHEETS, CLARK COUNTY, NEVADA, REVISED STATUTES, MUTCD STANDARDS, AND CITY OF LAS VEGAS STANDARDS. FOR SIGN AND POST TYPE INSTALLATIONS. FINAL SIGN LOCATIONS SHALL BE APPROVED BY CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- ALL CONCRETE WALKS AND PAVEMENT SHALL CONFORM TO CLARK COUNTY STD. DRAWINGS #234 - AS PER DETAILS.
- EXPANSION JOINTS (EJ) IS DEFINED AS WITH FIBERBOARD AND CAULKED, MAX 20' L.F. O.C., AT CHANGES OF MATERIAL MASS AND WHERE ABUTTING BUILDINGS, COLUMNS, ETC. CONTROL JOINTS: 18" SCORED JOINT. UNLESS OTHERWISE SHOWN ON THIS PLAN, CONTRACTOR SHALL COMPLY WITH SPECIFICATIONS. IN ALL CASES, WHETHER OR NOT SHOWN ON THIS PLAN, CONTRACTOR SHALL DETERMINE LOCATIONS FOR CONTROL JOINTS. IN NO CASE SHALL THE DISTANCE BETWEEN JOINTS EXCEED 10' EXCEPT IN ISOLATED AREAS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK IN THESE DOCUMENTS AND SPECIFICATIONS WITH ALL TRADES. EACH TRADE SHALL BE RESPONSIBLE TO FULLY REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS FOR POTENTIALLY RELATED WORK NOT SPECIFICALLY SHOWN IN EACH TRADES SECTION. CONTRACTOR SHALL PROVIDE FULLY OPERATIONAL AND COMPLETE SYSTEMS - NO EXCEPTIONS.
- SEE CIVIL PLAN SET FOR HORIZONTAL CONTROL GRADING AND ALL UTILITY INFORMATION.
- ALL TRENCHING, HARDSCAPE AND INFRASTRUCTURE INSTALLATIONS TO BE STAKED OUT FIRST AND APPROVED BY CITY OF LAS VEGAS PRIOR TO BEGINNING WORK TO ASSURE MINIMIZING TREE AND/OR SHRUB DAMAGE.
- MISCELLANEOUS ACTIVE UTILITY LINES THAT ARE UNCOVERED DURING THE GRADING OPERATIONS SHALL BE PROTECTED.
- ALL DELETERIOUS MATERIALS FOUND WITHIN THE LIMITS OF THE WORK SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR, WHO SHALL MAKE ALL NECESSARY ARRANGEMENTS, FOLLOW ALL JURISDICTIONAL, ENVIRONMENTAL REGULATIONS AND PAY ALL RELATED COSTS.
- ALL TRENCHING, HARDSCAPE AND INFRASTRUCTURE INSTALLATIONS TO BE STAKED OUT FIRST AND APPROVED BY CITY OF LAS VEGAS PRIOR TO BEGINNING WORK TO ASSURE MINIMIZING TREE AND/OR SHRUB DAMAGE.
- CONTRACTOR SHALL PROTECT ALL EXISTING PARK FACILITIES EXCEPT THOSE NOTED ON THE DEMOLITION PLAN. ANY DAMAGE TO ANY EXISTING PARK FACILITY SHALL BE REPLACED IN KIND AT THE EXPENSE OF THE CONTRACTOR.

WALL NOTES

- SEE DEMO PLAN SHEETS C.3.01 AND C.3.02 FOR WALLS/FENCES TO BE REMOVED.
- EXISTING WALL AT FIRE STATION TO REMAIN AND PROTECT.

NOTES:

- NEW WALL SHALL RECEIVE ACRYLIC TOP COAT PAINT SYSTEM OVER BLOCK FILLER - SEE SPECS SECTION 009000 FOR MINIMUM THICKNESS; COLOR: VISTA DESERT PALM OR APPROVED EQUAL.
- CONTRACTOR WILL NEED TO COORDINATE WITH PROPERTY OWNERS AND GIVE THEM 72 HOURS NOTICE PRIOR TO WORK ON THEIR PROPERTY. CLV SIDE OF WALL SHALL BE PAINTED ONLY.
- ALL NEWLY CONSTRUCTED WALL SEGMENTS TO BE STANDARD GRAY SMOOTH FACE CMU BLOCK. NO MIXED COLORS OF CMU BLOCK SHALL BE USED.
- CONTRACTOR TO CONFIRM LENGTH OF WALL MODIFICATION PRIOR TO COMMENCEMENT OF WORK WITH PROJECT OWNER. LENGTH OF WALL BASED UPON BOUNDARIES OF AFFECTED PARCELS.

KEY

INDICATES DETAIL #

INDICATES SHEET #

X

XXXX

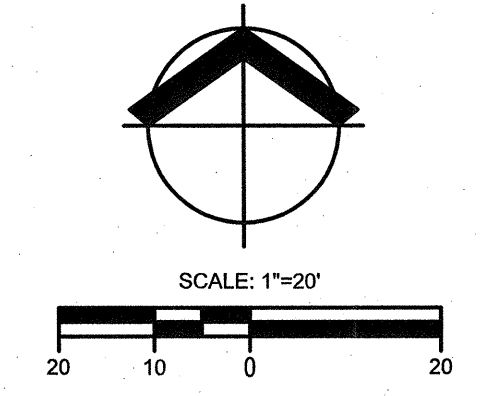
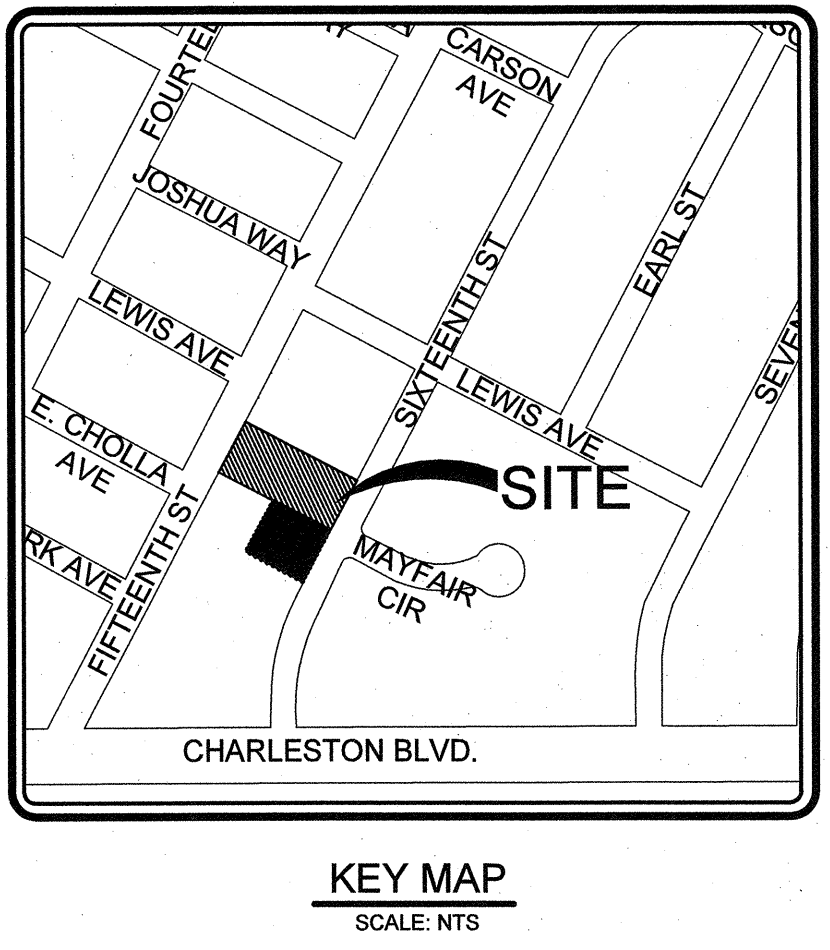
TIFFWAY 419 SOD

SEE SPECIFICATIONS SECTION 329300

CONSTRUCTION JOINT-SEE NOTES

EXPANSION JOINT-SEE NOTES

TYPICAL CONCRETE WALKWAY - EXPANSION JOINT DETAIL



PLAN SET NOTES:

1.8 ADDITIVE ALTERNATES

A. ADDITIVE ALTERNATES QUOTED ON BID FORM WILL BE REVIEWED AND ACCEPTED OR REJECTED AS STATED IN THE GENERAL CONDITIONS. ACCEPTED ALTERNATES WILL BE IDENTIFIED IN OWNER-CONTRACTOR AGREEMENT.

B. COORDINATE RELATED WORK AND SURROUNDING WORK.

C. SCHEDULE OF ALTERNATIVES:

1. ADDITIVE ALTERNATE NO. 1: THE FITNESS STATIONS 1-4 (L.0.01)

a. FITNESS EQUIPMENT (SEE SHEETS L.0.01, L.1.07, L.1.08)

b. CONCRETE PADS UNDER EQUIPMENT (L.0.01)

c. THE CONCRETE SIDEWALK LEADING FROM THE MAIN SIDEWALK LOOP TO THE FITNESS STATION 3, THE RETAINING WALL AND CURBING ASSOCIATED WITH THIS FITNESS STATION AND WALKWAY. (C.4.01, C.5.01, L.0.01)

REVISIONS

REV/PLAN CHECK 10/19/16

CONSULTANT

Cardno

Shaping the Future

LAS VEGAS

7115 AMIGO STREET, STE 100, LAS VEGAS, NV 89119

TEL: (702) 990-9300 FAX: (702) 990-9300 www.cardno.com

MAYFAIR PLACE PARK

GENERAL SITE PLAN

728

Expire: 06/30/17

OWNER: CITY OF LAS VEGAS

DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE

LAS VEGAS, NEVADA 89101

PHONE: (702) 229-5535

FAX: (702) 382-5322

TDD: (702) 386-9108

DRAWN

EL

FILE

3151099-LAND-CD

DATE

2016-10-20

SCALE

1"=20'

SBD NO

15.59812

CLV DWG NO

650.111

H#

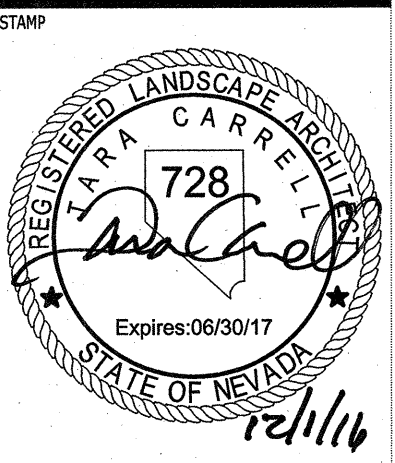
66624

SHT NO

L.0.01

REVISED 8/27/03

MAYFAIR PLACE PARK
GENERAL SITE PLAN FOR
FIRESTATION ACCESS GATES



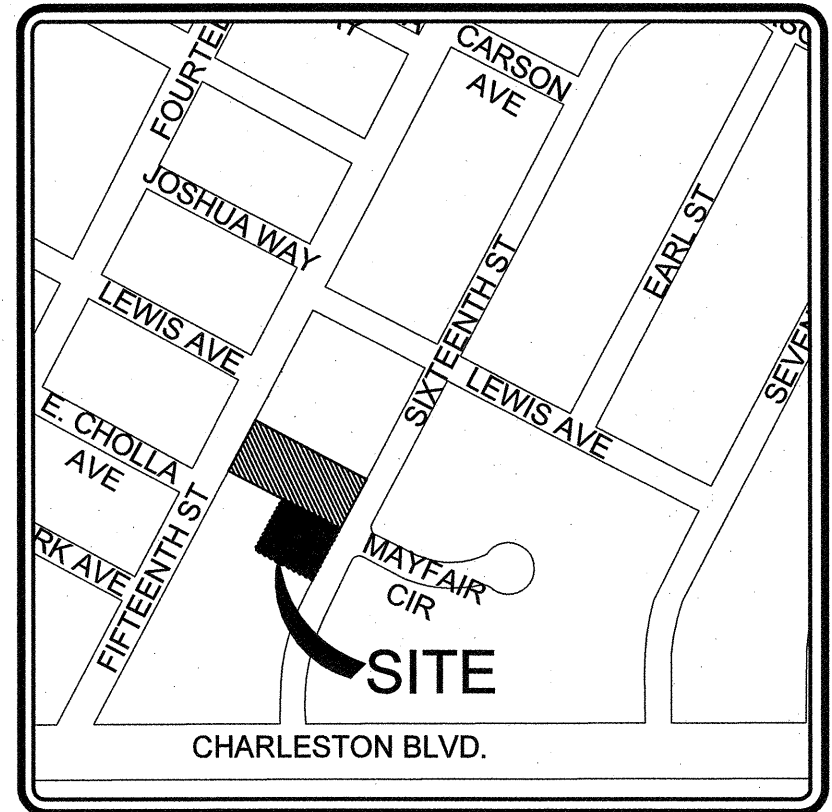
OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

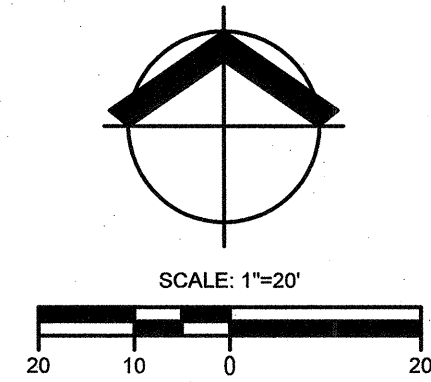
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DATE: 2016-11-30
SCALE: 1"=20'
BID NO: 15.59812
CLV DWG NO: 650.111
H# 66624

SHEET NO
L.0.02

REVISED 8/27/03



KEY MAP
SCALE: NTS



MATCHLINE SEE SHEET L.0.01

EXISTING
CITY OF LAS VEGAS
FIRE STATION
(58,899 SQ. FT.)
19880510.00169
139-35-413-171

139-35-402-001
(EX. INDUSTRIAL)
(NOT A PART)

ELECTRIC GATE ACTUATOR PAD
SEE DETAIL 'A' THIS SHEET

3 6" WROUGHT IRON FENCE
L.1.05

139-35-413-008
(NOT A PART)

24" X 28" CONCRETE PAD
4" ABOVE GRADE. ALIGN
PAD WITH 6" X 6" GATE
POST

6" BOLLARD

ELITE OPERATOR
#CSW200ULDM
EMX DTM-9 SEVEN DAY
TIMER (INSIDE)

6" X 6" GATE POST

DECORATIVE WROUGHT
IRON FENCE PANEL

4" X 4" FENCE POST

A ELECTRIC GATE ACTUATOR PAD
NTS

DOORKING STANDARD GOOSENECK MOUNTING
POST WITH 1520 CARD READER AND CONTROLLER

DOORKING STANDARD GOOSENECK MOUNTING
POST WITH 1506 SURFACE MOUNT ACCESS KEYPAD

NOTE: TYPICAL LAYOUT. REVERSE
FOR OTHER SIDE OF GATE.

CONSTRUCTION NOTES

- 6" STEEL BOLLARD 3
L.1.02
- 28" X 24" CONCRETE PAD. 4" MIN. ABOVE GRADE. ALIGN PAD WITH 6" X 6" GATE POST.
- NEW ELITE CSW200ULDM GATE OPERATOR- 1/2 HP SWING GATE OPERATOR WITH BATTERY BACK-UP LOCATED ON A CONCRETE PAD. EMX DTM-9 SEVEN DAY TIMER (INSIDE)
- NEW AVI LOOP - RECEIVER/DETECTOR BY DETECTOR SYSTEMS/INTERSECTION DEVELOPMENT CORP. (INC) - LOCATE 25' FROM GATE & WITHIN 24" AT BOTH ENDS FROM THE OVERALL ENTRY GATE OPENING OF DRIVEWAY WIDTH - FIELD VERIFY LOOP SIZE - LOCATE GREEN REFLECTOR AT CENTER OF LOOP FOR FIRE DEPT.
- NEW SAFETY LOOPS
- NEW SHADOW LOOP
- NEW FREE EXIT LOOP
- DOORKING STANDARD GOOSENECK MOUNTING POST WITH 1506 SURFACE MOUNT KEYPAD ACCESS CONTROL
- NEW 6' CMU WALL. STUCCO FINISH AND PAINT TO MATCH EXISTING FIRE STATION WALL. 2
L.1.03
- EXISTING FIRE STATION WALL
- DECORATIVE WROUGHT IRON FENCE PANEL. 3
L.1.05
- STRIPES FOR NO PARKING/ MOTORCYCLE PARKING ONLY
- NEW 4" CONCRETE WALKWAY 3
L.1.02
- 3'-8" X 5'-6" ANSI COMPLIANT PEDESTRIAN GATE WITH MECHANICAL BUTTON SIMPLEX LOCK PER OWNER. 1
L.1.03
- ADA ACCESSIBLE RAMP PER CIVIL PLANS
- 2" THICK MINIMUM LAYER OF MOHAVE GOLD DECOMPOSED GRANITE LANDSCAPE ROCK 8
L.2.03
- NEW CONCRETE CURB PER CIVIL PLANS
- NEW CONCRETE CURB AND GUTTER PER CIVIL PLANS
- DOORKING STANDARD GOOSENECK MOUNTING POST WITH CARD READER AND CONTROLLER 1520