

CITY OF LAS VEGAS GENERAL NOTES

- All construction and materials shall be in accordance with the "Uniform Standard Specifications for Public Works Construction Off-Site Improvements, Clark County Area Nevada", latest issue; the "Uniform Standard Drawings for Public Works Construction, Clark County Area Nevada", latest revised edition; the "Summerlin Improvement Standards" for work in the Summerlin area, and other applicable approved standards issued by the controlling agency; the Uniform Building Code; and all local city codes and ordinances applicable, except as noted on this sheet as "Deviations from Standards".
- The existence and location of any overhead or underground utility lines, pipes, or structures shown on these plans are obtained by a research of the available records. Existing utilities as shown from CLV Plans Library are approximate and for record purposes. Existing utilities are located on plans only for the convenience of the Contractor. Existing utility service laterals may not be shown on the plans. The Contractor shall, at his own expense, locate all underground and overhead interference's which may affect his operation during construction and shall take all necessary precautions to avoid damage to same. The Contractor shall use extreme caution when working near overhead utilities so as to safely protect all personnel and equipment, and shall be responsible for all cost and liability in connection therewith.
- 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.
- All construction shall be as shown on these plans, any revisions shall have the prior written approval of the City Engineer.
- 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.
- Permits are required for any work in the public Right-of-way. The Contractor shall secure all permits and inspections required for this construction.
- Expansion joints required, maximum every 300' in extruded-type curb.
- AC pavement to be one-half inch (1/2") above lip of all gutters after compaction, except at sidewalk ramps and cross gutters.
- Curb and gutter found to be unacceptable to the City of Las Vegas shall be removed and replaced per standard drawing 216.
- 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.
- 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.
- Ninyo & Moore prepared the Geotechnical Data Report (Project #303990001), dated April 19, 2016, for this project. The geotechnical-related work items detailed on the civil plans are based upon the recommendations of the Geotechnical Interpretive Report (Project #303990001) for this project prepared by Ninyo & Moore, Dated April 18, 2016.
- 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.
- The Contractor shall take all precautions necessary to protect existing permanent survey monuments. Any monuments disturbed shall be replaced and adjusted per available records in accordance with N.R.S. Statute No. 625.380 & City of Las Vegas Title 18, Appendix D.
- 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:

- 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.
- Asphalt mix design must be submitted and approved by the City Engineer prior to the placement of Asphalt within City Right of Way.
- 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.
- 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.
- 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.
- 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 storm drain main alignment, including deflection points. The location shall be described by coordinates which shall be based on the official horizontal and vertical control networks of the City of Las Vegas. Final location maps must be sealed and certified by a Nevada professional land surveyor to have positional certainties 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).
- 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.
- A separate Boring Permit is required for all boring activities.

REVISED 02/03/15

CITY OF LAS VEGAS GRADING NOTES

- 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.
- It shall be the responsibility of the Contractor to perform all necessary cuts and fills within the limits of this project and the related off-site work, so as to generate the desired subgrade, finish grades and slopes shown.
- 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.
- 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.
- 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.
- 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'
B. Engineered Fill	0.5"	+0.1' to -0.1'

Compaction Testing will be performed by the owner or his representative.
- All cut and fill slopes shall be protected until effective erosion control has been established.
- 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.
- 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.
- 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

DEVIATIONS FROM STANDARDS

There are no known deviations from applicable city of Las Vegas standards, unless stated in the contract documents.

WATER NOTES

- All new water facilities shall be constructed in accordance with the uniform design and construction standards (UDACS) for potable water distribution systems, latest edition, unless noted otherwise.

CITY OF LAS VEGAS STREET LIGHT NOTES

- 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.
- No deviation of street light, pull box, conduits (etc.) locations shall be permitted without written approval of Traffic Engineering and the City Engineer.
- All existing street lighting shall remain operational during construction.
- 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.
- Any structure such as block walls, chain link fences, retaining walls, etc., shall leave a minimum clearance in accordance with the USD No. 320A.
- As-built drawings shall be supplied to the TEFO prior to any pre-final inspection. The asbuilt drawing needs to be stamped as-built and signed by the preparer.
- Service point shall be coordinated with NV Energy Company, and wherever possible, be located near the center of the circuit. Service points shall be shown on the Civil Plans.
- 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.
- 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.
- The Contractor shall furnish complete service to transformers and control systems if required on plans.
- 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 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 Traffic Engineering Department (TEFO) at (702) 229-6331.

REVISED 04/15/10

CITY OF LAS VEGAS TRAFFIC NOTES

- All construction signing, barricading, and traffic delineation shall conform to the "Manual on Uniform Traffic Control Devices", latest edition.
- The street sign contractor shall obtain street names and block numbering from the Planning Department prior to construction.
- 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.
- 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.
- If the improvements necessitate the obliteration, temporary obstruction, temporary removal or relocation of any existing traffic pavement marking, such pavement marking shall be restored or replaced with like materials to the satisfaction of the City Traffic Engineer.
- The contractor shall be responsible for providing and installing all permanent signs shown on the plans. All new traffic signs shall be fabricated with diamond grade vip class 6 reflective sheeting or approved equal. All new traffic signs, except street name and school speed limit signs, shall have 3m series 1160 or approved equivalent anti-graffiti protective overlay film; school zone signs shall have 3m series 1150 anti-graffiti protective overlay film. Street name signs shall conform in their entirety to current city standards. All other signs shall be standard size unless otherwise specified on the plans. All sign posts shall be installed in accordance with the current city standards.
- When a proposed street light standard is located within five (5') feet of any proposed sign shown on the plans to be mounted on a signpost, the sign shall be mounted on the street light standard and the signpost shall be eliminated.
- 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.
- Street signs and stops 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.
- 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.
- 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.
- 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.
- Any work within 300' of a signalized intersection will be night work, unless otherwise directed by the City of Las Vegas Traffic Engineer.
- The contractor shall contact the Traffic Engineering Division (transportation section) through the project's offsite inspector prior to initiating paving to receive direction for any permanent or temporary modifications to the approved drawings regarding final pavement transitions, markings and signing that are required to match adjacent roadway segments. The contractor shall provide a drawing for approval by the traffic engineering division depicting any adjustments to the final pavement markings and signage, which may include omitting, adding or modifying pavement markings and traffic control signs such that adequate transitions and lane terminations between adjacent roadway segments are constructed.

REVISED 04/15/10

CITY OF LAS VEGAS SEWER NOTES

- 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.
- 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.
- Chisel "S" or "G" in curbs where sewer or gas laterals pass under the curb.
- Polyvinyl (PVC) sewer pipe shall meet ASTM D-3034 SDR 35 specifications, installed with sand bedding and backfill of Type II aggregate base.
- 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.
- 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.
- Water mains shall be protected in accordance with LVVWD Standards whenever a sewer main crosses over a water main or the sewer is less than eighteen inch (18") under a water main.
- 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.
- 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.
- Installation of curved sewer requires the use of C-900 pipe which allows for pipe deflection at the joints.

REVISED 04/15/10



APPROVED FOR CONSTRUCTION
Las Vegas Valley Water District Engineering Service Manager
Project No. 124931 Date: 12/01/16

LVVWD STANDARD NOTES

LVVWD PROJECT NO. " 124931 "

- 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.
- 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.
- 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.
- A single pipe material shall be used throughout the project unless otherwise approved by the LVVWD.
- All service laterals two (2) inches in diameter and smaller shall be Type K copper tubing with LVVWD approved service saddles.
- All water meter boxes shall be located outside of driveway areas.
- All valves shall be located outside of driveways, valley and curb gutters.
- All water and storm drain or sanitary sewer crossings shall conform to section 2.22 of the 2010 edition of the UDACS.
- 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.
- 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.
- Any interruption of service must be performed in accordance with UDACS section 3.14.01, and approved by the LVVWD inspection division prior to shut down. Proper written notification must be given to all affected customers.
- 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.
- Telephone "call before you dig" at "811" or 1-800-227-2600
- 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 an appropriately sized asphalt repair patch on the street surface.

Revised 04/19/12

LAS VEGAS FIRE & RESCUE FIRE PREVENTION DIVISION GENERAL NOTES FOR HYDRANTS & ACCESS

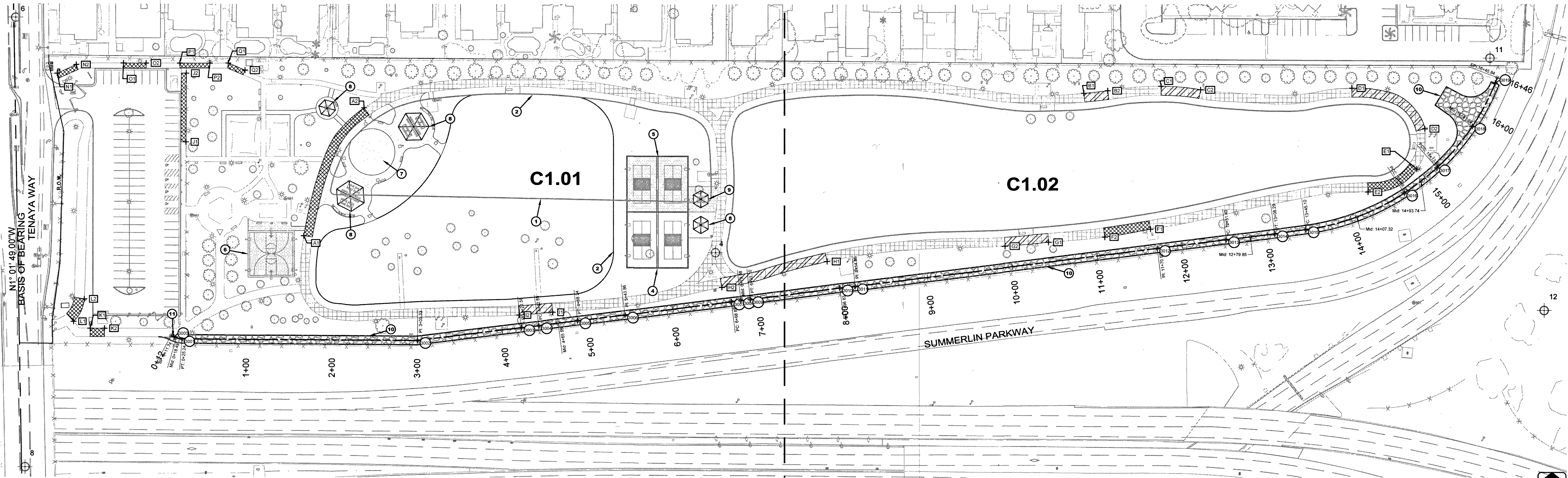
- All work shall be done in strict accordance with the Las Vegas Fire and Rescue adopted Fire Code Ordinance# 6325 for Hydrant Specifications and Hydrant Installation Specifications.
- Only fire hydrants that are on the Las Vegas Valley Water District's- **Approved Products List** are allowed to be installed.
- A 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]
- 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]
- 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 § 507.5.7.3]
- 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]
- 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]
- 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]
- Private hydrants shall be painted RED. [IFC § 507.5.7.1]
- 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]
- Fire hydrant spacing shall be as follows: [IFC § C102]
 - Residential-500 ft unsprinklered; 600 ft sprinklered.
 - Commercial-300 ft unsprinklered; 400 ft sprinklered.
- 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]
- 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.
- No fire hydrants shall be located within 6 ft of any curb return, driveway, power pole, streetlight or any other obstruction. [IFC § C102.12]
- 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]
- 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 § C 102.7]
- The maximum distance from a hydrant to the end of a dead-end street shall not exceed 200 ft. [IFC § C102.6]
- 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]
- 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]
- 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]
- 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]
- Vertical clearance of all fire apparatus access roads shall not be less than 13 ft 6 ins. [IFC § 503.2.1]
- 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]
- 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]
- 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]
- 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]
- 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 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 roadway level. The curb along sides 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]
- Electrically controlled access gates shall be provided with an approved emergency vehicle detector/receiver system. Said system shall be installed in accordance with the IFC § 503.6 and IFC Appendix M.

H#65970
650,90-2

REVISIONS	
CONSULTANT	
HORIZONTAL ENGINEERS	
1349 Galleria Drive, Suite 110 Las Vegas, NV 89014 (702) 966-4063	
CITY OF LAS VEGAS	BILL BRIARE FAMILY PARK IMPROVEMENTS
650 N. TENAYA WAY	APN: 138-27-301-019
GENERAL NOTES	
STAMP	
OWNER: CITY OF LAS VEGAS DEPARTMENT OF PUBLIC WORKS	
333 NORTH RANCHO DRIVE LAS VEGAS, NEVADA 89106 PHONE: (702) 229-6535 FAX: (702) 384-4846 TDD: (702) 386-9108	
DRAWN	SAD
FILE	16-001
DATE	October 31, 2016
SCALE	N.T.S.
BID NO	15.59815DC
CLV DWS NO	650.90-2
HANGEN #	59815
SHT NO	
C0.00	

DEPARTMENT OF PUBLIC WORKS
DRAWINGS OF RECORD ARE THE PROPERTY OF THE DESIGN PROFESSIONAL. THESE DRAWINGS ARE NOT TO BE REPRODUCED OR USED FOR ANY OTHER PROJECT WITHOUT WRITTEN CONSENT OF THE DESIGN PROFESSIONAL. ANY USE OR REPRODUCTION IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT IS STRICTLY PROHIBITED. PENALTIES FOR VIOLATION OF THESE TERMS ARE SET FORTH IN THE CITY OF LAS VEGAS CHARTER AND ORDINANCES. ANY OTHER PROJECT N.A.C. 633.700

PROJECT: 124931 AGR# 16044 OS: 136-27-SE



SITE PLAN

BASE BID

WATER PLAY AREA

- TWO (2) GROUP PICNIC SHELTERS
- FOUR (4) GROUP GRILLS
- FOUR (4) SET UP TABLES
- SIX (6) TRASH RECEPTACLES
- FOURTEEN (14) PICNIC TABLES
- FOUR (4) BENCHES
- ALL WATER PLAY APPURTENANCES, CONTROLLERS, PUMP, VALVES, METER AND PIPING
- SURFACING
- LIGHTING
- CONCRETE WALKS AND PLAZAS

PICKLE BALL AREA

- TWO (2) PICKLE BALL COURTS WITH FENCING, NETS, AND LIGHTING
- TWO (2) TRASH RECEPTACLES
- ONE (1) PICNIC TABLE
- ONE (1) SMALL PICNIC SHELTER
- CONCRETE WALK / PLAZA
- LIGHTING

PLAYGROUND AREA UPGRADES

- ONE (1) SMALL PICNIC SHELTER
- ONE (1) PICNIC TABLE
- ONE (1) GRILL
- TWO (2) TRASH RECEPTACLES
- CONCRETE WALKS / PLAZA
- ONE (1) HYDRATION STATION
- LIGHTING

PARK UPGRADES

- TRACK ADA COMPLIANCE AND SURFACING
- MAINTENANCE PATH
- CONCRETE MOW CURB
- SODDED LAWN
- OVERSEED EXISTING TURF
- MOUNDING / EARTHWORK
- LED LIGHTING
- TREES AND SHRUBS
- IRRIGATION

BID OPTIONS

ADDITIVE ALTERNATIVE 1 - PICKLE BALL

- TWO (2) PICKLE BALL COURTS WITH FENCING, NETS, AND LIGHTING
- ONE (1) SMALL PICNIC SHELTER
- TWO (2) TRASH RECEPTACLES
- ONE (1) PICNIC TABLE
- CONCRETE PLAZA

ADDITIVE ALTERNATIVE 2 - HALF BASKETBALL COURT

- ONE (1) HALF BASKETBALL COURT WITH GOALS, NETS AND LIGHTING
- CONCRETE PLAZA / WALK
- FOUR (4) BENCHES
- TWO (2) TRASH RECEPTACLES

SURVEY CONTROL

BASIS OF BEARING

NORTH 01°01'49" WEST

BENCHMARK

CITY OF LAS VEGAS BENCHMARK

MONUMENT ID NUMBER 14LV0027C4

RIVET AND PLATE IN TOP OF CURB AT THE SOUTHEAST CORNER OF TENAYA WAY AND WASHINGTON AVE

ELEVATION 2425.14 (NAVD 88)

Point	North	East	Elevation	Description
4	26766887.557	755071.595	2414.23	AT MAG
6	26767160.790	754255.127	2429.83	AT MAG
8	26766687.083	754266.223	2452.20	AT
11	26767113.816	755977.793	2395.60	AT
12	26766819.807	756040.938	2404.31	AT

SIDEWALK REPAIR POINTS

Point #	Label	North	East
1000	A1	26766906.4845	754591.3658
1001	A2	26767055.6532	754861.8369
1002	B1	26767073.2128	755502.5867
1003	B2	26767076.2236	755530.2816
1004	C1	26767081.4206	755592.6172
1005	C2	26767077.2450	755638.7906
1006	D1	26767078.8978	755815.6966
1007	D2	26767031.8652	755901.4364
1008	E1	26766984.8903	755892.0355
1009	E2	26766967.8830	755834.6535
1010	F1	26766914.8312	755582.2702
1011	F2	26766905.5992	755526.8291
1012	G1	26766896.6228	755461.2904
1013	G2	26766895.1962	755410.3251
1014	H1	26766877.3063	755202.3249
1015	H2	26766947.0179	755079.2045

Point #	Label	North	East
1016	I1	26766817.7561	754882.2421
1017	I2	26766814.4427	754843.1752
1018	J1	26767015.8563	754454.0205
1019	J2	26767095.8557	754454.3303
1020	K1	26766798.5899	754342.3333
1021	K2	26766798.5635	754359.1323
1022	L1	26766906.6131	754322.9986
1023	L2	26766832.7426	754335.4383
1027	N1	26767055.4891	754303.9671
1028	N2	26767105.6333	754325.9233
1029	O1	26767107.5110	754381.1438
1030	O2	26767107.5802	754407.4960
1031	P1	26767107.5427	754446.7957
1032	P2	26767107.7427	754481.8618
1033	Q1	26767107.7325	754503.4626
1034	Q2	26767099.4766	754522.9111

KEY NOTES

1. REMOVE EXISTING MOW CURB (SEE SHEET L1.01)
2. NEW MOW CURB AT GRADE (SEE SHEET L2.01)
3. NEW CONCRETE (SEE SHEETS L2.01 & L2.02)
4. NEW PICKLE BALL COURTS (SEE SHEET L2.01)
5. ALTERNATIVE PICKLEBALL COURTS (SEE SHEET L2.01)
6. ALTERNATIVE BASKETBALL COURT (SEE SHEET L2.01)
7. NEW WATER PLAY (SEE SHEETS W1.00 - W1.03)
8. NEW PAVILION (SEE SHEET L2.01)
9. ALTERNATIVE PAVILION (SEE SHEET L2.01)
10. NEW MAINTENANCE PATH (SEE SHEETS C2.01 & C2.02)
11. TIE NEW MAINTENANCE PATH INTO EXISTING CONCRETE (SEE USDOCA DWG. NO. 209.1)
12. ALTERNATIVE NEW CONCRETE (SEE SHEETS L2.01 & L2.02)

MAINTENANCE PATH ALIGNMENT POINTS

Point #	Description	North	East
3000	EC POC	26766788.2889	754440.2777
3001	PT	26766788.1895	754449.5221
3002	PI	26766784.6362	754724.6107
3003	PI	26766759.7127	754845.9317
3004	PC	26766801.9257	754866.0394
3005	PT	26766807.8639	754911.0787
3006	PI	26766814.6254	754968.2086
3007	PC	26766830.1855	755090.2052
3008	MID POC	26766831.5111	755101.3703
3009	PT	26766832.7902	755124.4045
3010	PI	26766848.2851	755217.2961
3011	PI	26766848.1204	755235.1025
3012	PI	26766892.3651	755568.2811
3013	PC	26766902.3901	755668.3056
3014	PT	26766905.3454	755724.8156
3015	PC	26766914.0415	755761.3192
3016	POC	26766955.5875	755877.2148
3017	POC	26766986.1244	755915.5037
3018	MID POC	26767034.5059	755957.1139
3019	EC PT	26767094.5492	755983.8038

CONSTRUCTION NOTES

1. CONTRACTOR SHALL OBTAIN AND COORDINATE ALL NECESSARY PERMITS, INSPECTIONS AND APPROVALS REQUIRED FOR THIS WORK. ALL CONSTRUCTION SHALL BE PERFORMED ACCORDING TO LOCAL CODES AND ORDINANCES.
2. INSTALL ALL PARK EQUIPMENT AND COMPONENTS IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS. INSTALL ALL PARK EQUIPMENT AND COMPONENTS AT LOCATIONS SHOWN ON DRAWINGS; PROPERLY ALIGNED AND SPACED; PLUMBED VERTICALLY, COMPLETE AND READY FOR USE. SEE PLAN ENLARGEMENT SHEETS FOR ADDITIONAL SITE FURNITURE LOCATIONS. SECURE OWNERS APPROVAL OF LOCATIONS PRIOR TO MOUNTING.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE LAYOUT OF THE PROJECT; FOR ESTABLISHING ALL REFERENCE POINTS AND LINES SET FOR CONSTRUCTION. SEE CIVIL DRAWINGS FOR HORIZONTAL CONTROL, GRADING AND UTILITY DRAWINGS. VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
4. VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES AND SERVICES PRIOR TO ANY EXCAVATION OR CONSTRUCTION. CONTRACTOR TO COORDINATE WITH OFF-SITE IMPROVEMENTS AND UTILITIES, INCLUDING STREET LIGHTING. CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ALL DAMAGE CAUSED BY THE FAILURE TO DO SO.
5. SEE ELECTRICAL SHEETS FOR LIGHT AND ELECTRICAL INFORMATION.
6. SEE SHEETS L1.00, L1.01 & L1.02 FOR ADDITIONAL DEMOLITION AND EXISTING FEATURES PROTECTION INFORMATION.

CONSTRUCTION LEGEND

	USE TRACK SURFACING TO REPAIR CROSS SLOPE TO MEET ADA STANDARDS (SEE ALSO SHEETS L1.01 & L1.02)
	REPLACE CONCRETE TO MEET ADA STANDARDS
	NEW CONCRETE
	ADDITIVE ALTERNATIVE
	SURVEY CONTROL POINT
	CONSTRUCTION KEYNOTE
	SIDEWALK REPAIR CONTROL POINT
	SITE FEATURE CONTROL POINT
	MAINTENANCE PATH ALIGNMENT CONTROL POINT
	EXISTING FENCE
	MAINTENANCE PATH ALIGNMENT

APPROVED FOR CONSTRUCTION

Y. D. SHARI ER
Las Vegas Valley Water District Engineering Service Manager
Project No. 124931 Date: 12/01/16

Call before you D
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FAST
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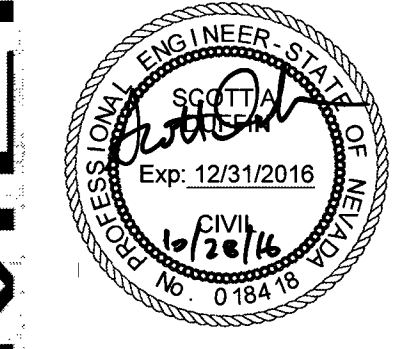
1349 Galleria Drive, Suite 110
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(702) 966-4063

CITY OF LAS VEGAS
BILL BRIARE FAMILY PARK IMPROVEMENTS
650 N. TENAYA WAY

APN: 138-27-301-019

OVERALL SITE PLAN & SURVEY CONTROL

STAMP

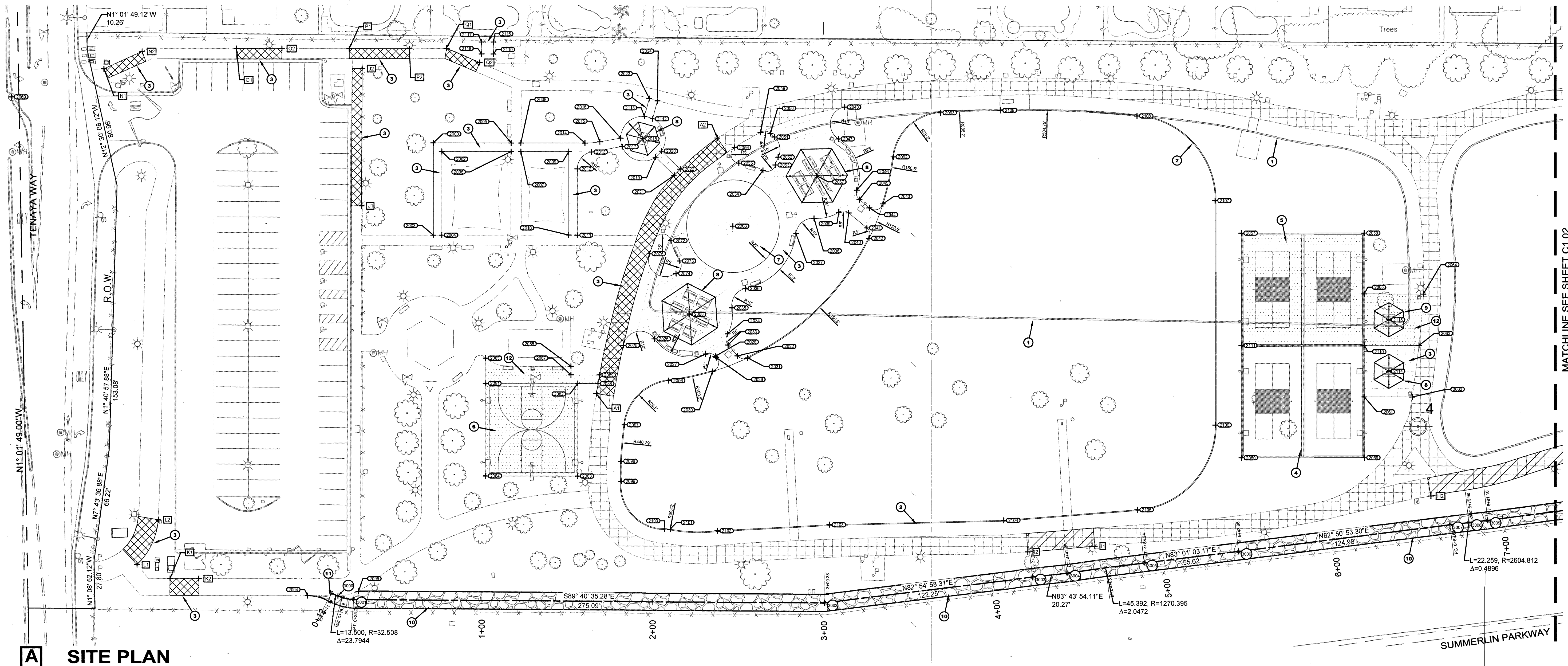


OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS

333 NORTH RANCHO DRIVE
LAS VEGAS, NEVADA 89106
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FAX: (702) 384-4846
TDD: (702) 386-9108

DRAWN: SAD
FILE: 16-001
DATE: October 31, 2016
SCALE: 1"=50'-0"
BID NO: 15.59815DC
CLV DWG NO: 650.90-2
HANSER #: 59815
SHT NO: C1.00

16044 QS-138-27-301-019



KEY NOTES

- 1 REMOVE EXISTING MOW CURB (SEE SHEET L1.01)
- 2 NEW MOW CURB AT GRADE (SEE SHEET L2.01)
- 3 NEW CONCRETE (SEE SHEETS L2.01 & L2.02)
- 4 NEW PICKLE BALL COURTS (SEE SHEET L2.01)
- 5 ALTERNATIVE PICKLEBALL COURTS (SEE SHEET L2.01)
- 6 ALTERNATIVE BASKETBALL COURT (SEE SHEET L2.01)
- 7 NEW WATER PLAY (SEE SHEETS W1.00 - W1.03)
- 8 NEW PAVILION (SEE SHEET L2.01)
- 9 ALTERNATIVE PAVILION (SEE SHEET L2.01)
- 10 NEW MAINTENANCE PATH (SEE SHEETS C2.01 & C2.02)
- 11 TIE NEW MAINTENANCE PATH INTO EXISTING CONCRETE (SEE USDCOA DWG. NO. 208.1)
- 12 ALTERNATIVE NEW CONCRETE (SEE SHEETS L2.01 & L2.02)

SITE FEATURE POINTS

Point #	Description	Northing	Easting
2000	TOC	26767052.4887	754495.8490
2001	TOC	26767059.3493	754513.5201
2002	TOC	26767047.4887	754500.8490
2003	TOC	26766998.7737	754495.8490
2004	TOC	26767052.4887	754500.8490
2005	TOC	26767052.4887	754541.3891
2006	TOC	26767047.4887	754541.3891
2007	TOC	26767047.4887	754547.1490
2008	TOC	26767052.4887	754547.1572
2009	TOC	26767047.4887	754575.2359
2010	TOC	26766998.9028	754575.2359
2011	TOC	26766998.9562	754580.2359
2012	TOC	26767037.4548	754580.2359
2013	TOC	26767047.3010	754588.4890
2014	TOC	26767052.4887	754584.7061
2015	TOC	26767053.2576	754593.4404
2016	TOC	26767055.4069	754605.5552
2017	TOC	26767050.4879	754606.4514
2018	TOC	26767055.1739	754618.5531
2019	TOC	26767044.4887	754625.9578
2020	TOC	26767048.0738	754629.4429
2021	TOC	26767033.9326	754636.8159
2022	TOC	26767037.5365	754640.2818
2023	TOC	26767076.6941	754622.1651
2024	TOC	26767077.3671	754626.9538
2025	TOC	26766934.6020	754607.1669
2026	TOC	26766938.5814	754625.2739
2027	TOC	26766929.6902	754605.0661
2028	TOC	26766928.3477	754660.6814
2029	TOC	26766927.6020	754661.3362
2030	TOC	26766919.5153	754609.0221
2031	TOC	26766927.4113	754679.6200
2032	TOC	26766928.6228	754673.7486
2033	TOC	26766934.9453	754668.1953
2034	TOC	26766941.4531	754668.0004
2035	TOC	26766966.6578	754670.4608
2036	TOC	26766967.9590	754678.3765
2037	TOC	26766966.9522	754707.7286
2038	TOC	26767008.7801	754718.3103
2039	TOC	26767012.3570	754732.9036
2040	TOC	26767011.9538	754738.6030
2041	TOC	26767032.2414	754749.3121

SIDEWALK REPAIR POINTS

Point #	Label	Northing	Easting
1000	A1	26766906.4545	754591.3655
1001	A2	26767035.6532	754661.8300
1002	B1	26767073.2128	755022.9877
1003	B2	26767076.2236	755030.2876
1004	C1	26767081.4208	755062.8172
1005	C2	26767077.2450	755068.7906
1006	D1	26767078.8978	755085.6956
1007	D2	26767031.8652	755001.4364
1008	E1	26766984.8603	755062.0355
1009	E2	26766957.8830	755084.6335
1010	F1	26766914.8312	755080.2702
1011	F2	26766905.5992	755026.8291
1012	G1	26766989.6228	755461.2904
1013	G2	26766956.1862	755410.3251
1014	H1	26766977.3063	755202.3249
1015	H2	26766947.0179	755079.2048

CONSTRUCTION LEGEND

- USE TRACK SURFACING TO REPAIR CROSS SLOPE TO MEET ADA STANDARDS (SEE ALSO SHEETS L1.01 & L1.02)
- REPLACE CONCRETE TO MEET ADA STANDARDS
- NEW CONCRETE
- ADDITIVE ALTERNATIVE
- SURVEY CONTROL POINT
- CONSTRUCTION KEYNOTE
- SIDEWALK REPAIR CONTROL POINT
- SITE FEATURE CONTROL POINT
- MAINTENANCE PATH ALIGNMENT CONTROL POINT
- EXISTING FENCE
- MAINTENANCE PATH ALIGNMENT

MAINTENANCE PATH ALIGNMENT POINTS

Point #	Description	Northing	Easting
3000	EC POC	26766788.2888	754440.2777
3001	PT	26766786.1895	754449.5221
3002	PI	26766784.6362	754724.6107
3003	PI	26766789.7127	754845.0317
3004	PC	26766801.6257	754866.0794
3005	PT	26766807.8639	754911.0787
3006	PI	26766814.6254	754968.2866
3007	PC	26766830.1855	755090.2952
3008	MID POC	26766831.5111	755101.3703
3009	PT	26766832.7652	755112.4045
3010	PI	26766846.2851	755127.2861
3011	PI	26766848.1205	755235.1925
3012	PI	26766892.3691	755588.0811
3013	PC	26766902.9017	755698.3556
3014	PT	26766909.3458	755724.8156
3015	PC	26766914.0475	755781.3182
3016	PCC	26766956.5875	755777.2145
3017	PCC	26766968.1384	755915.5037
3018	MID POC	26767034.5599	755957.1139
3019	EC PT	26767047.5402	755983.8039

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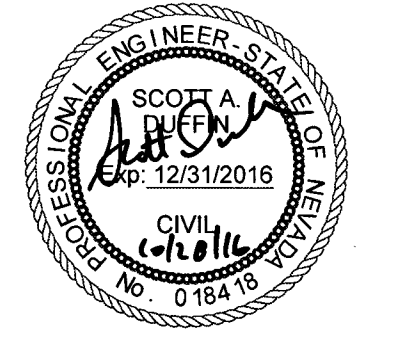
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4# 65970
650.90-2

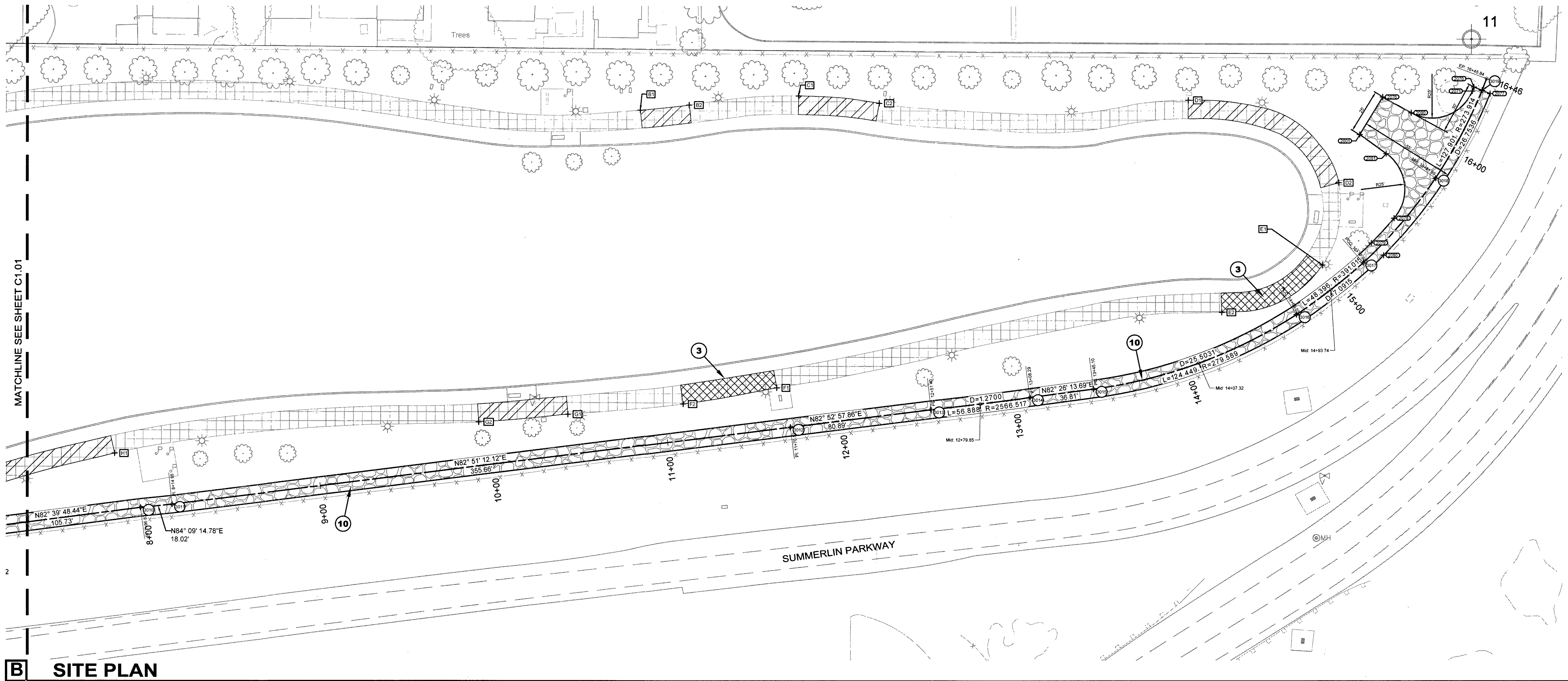


REVISIONS
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Las Vegas, NV 89014
(702) 966-4063

CITY OF LAS VEGAS
BILL BRIARE FAMILY PARK IMPROVEMENTS
650 N. TENAYA WAY
APN: 138-27-301-019
SITE PLAN - WEST



OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
333 NORTH RANCHO DRIVE
LAS VEGAS, NEVADA 89106
PHONE: (702) 229-6535
FAX: (702) 384-4846
TDD: (702) 386-9108
DRAWN: SAD
FILE: 16-001
DATE: October 31, 2016
SCALE: 1"=30'-0"
BLD NO: 15.59815DC
CLV DWG NO: 650.90-2
HANSER #: 59815
SHT NO: C1.01



B SITE PLAN

KEY NOTES

- 1 REMOVE EXISTING MOW CURB (SEE SHEET L1.01)
- 2 NEW MOW CURB AT GRADE (SEE SHEET L2.01)
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- 9 ALTERNATIVE PAVILION (SEE SHEET L2.01)
- 10 NEW MAINTENANCE PATH (SEE SHEETS C2.01 & C2.02)
- 11 TIE NEW MAINTENANCE PATH INTO EXISTING CONCRETE (SEE USDCCA DWG. NO. 209.1)
- 12 ALTERNATIVE NEW CONCRETE (SEE SHEETS L2.01 & L2.02)

SITE FEATURE POINTS

Point #	Description	North	East
2000	TOC	26767052.4887	75496.8490
2001	TOC	26767059.3493	755913.5201
2002	TOC	26767047.4887	754500.8490
2003	TOC	26766998.7737	754496.8490
2004	TOC	26767052.4887	754541.3891
2005	TOC	26767047.4887	754547.1490
2006	TOC	26767052.4887	754547.1572
2007	TOC	26767047.4887	754575.2359
2008	TOC	26767052.4887	754575.2359
2009	TOC	26767047.4887	754575.2359
2010	TOC	26766998.8502	754580.2359
2011	TOC	26767037.4548	754580.2359
2012	TOC	26767047.3010	754588.4890
2013	TOC	26767041.0508	754614.4143
2014	TOC	26767052.4887	754614.4143
2015	TOC	26767053.2576	754614.4143
2016	TOC	26767055.4069	754605.4514
2017	TOC	26767050.4879	754605.4514
2018	TOC	26767055.4069	754618.5531
2019	TOC	26767044.4887	754625.9576
2020	TOC	26767048.0738	754629.4429
2021	TOC	26767033.9326	754638.8159
2022	TOC	26767037.5365	754640.2818
2023	TOC	26767078.6941	754622.1651
2024	TOC	26767071.3671	754626.9538
2025	TOC	26766934.6020	754607.1669
2026	TOC	26766938.5914	754625.2739
2027	TOC	26766929.6902	754655.0661
2028	TOC	26766928.3477	754660.6814
2029	TOC	26766927.8020	754661.3362
2030	TOC	26766919.5153	754659.0221
2031	TOC	26766927.4113	754679.6200
2032	TOC	26766928.6228	754673.7486
2033	TOC	26766934.9463	754668.1953
2034	TOC	26766941.4532	754668.0004
2035	TOC	26766946.6578	754670.4908
2036	TOC	26766967.9590	754678.3705
2037	TOC	26766999.9522	754707.7296
2038	TOC	26767028.7801	754719.3103
2039	TOC	26767012.3570	754732.9036
2040	TOC	26767011.8538	754738.6030
2041	TOC	26767003.3474	754749.3121

Point #	Description	North	East
2042	TOC	26766997.1969	754750.6474
2043	TOC	26767017.2368	754758.7716
2044	TOC	26767014.9059	754750.8498
2045	TOC	26767019.6957	754744.9826
2046	TOC	26767025.2601	754743.4529
2047	TOC	26767055.2031	754732.7291
2048	TOC	26767073.7135	754736.3918
2049	TOC	26767058.9832	754687.0662
2050	TOC	26767058.3311	754692.8970
2051	TOC	26767056.3035	754695.1248
2052	TOC	26767044.5707	754697.4044
2053	TOC	26767039.9521	754695.7179
2054	TOC	26767038.7838	754688.5062
2055	TOC	26767041.0508	754674.4143
2056	TOC	26767050.1551	754672.0549
2057	TOC	26767000.2294	754697.9706
2058	TOC	26767000.2514	755039.9642
2059	TOC	26766986.2688	755040.0185
2060	TOC	26766960.2391	754968.0208
2061	TOC	26766904.7340	755040.0048
2062	TOC	26766904.7340	755068.2193
2063	TOC	26766934.7599	755072.1958
2064	TOC	26766964.7599	755074.7915
2065	TOC	26766964.7599	755039.9818
2066	TOC	26767004.2111	754670.9748
2067	TOC	26767071.9397	754672.2854
2068	TOC	26766927.5523	754631.0733
2069	TOC	26766934.7326	754968.0164
2070	TOC	26767098.8732	754624.2211
2071	TOC	26767098.8732	754618.3861
2072	TOC	26766919.7307	755054.5204
2073	TOC	26766940.7599	755054.4967
2074	TOC	26766966.6511	754637.8996
2075	TOC	26766968.1951	754622.3833
2076	TOC	26767000.7536	755026.7724
2077	TOC	26767082.6600	755088.4356
2078	TOC	26767011.6099	755033.2790
2079	TOC	26766997.4642	755020.0988
2080	TOC	26766996.3886	755027.1854
2081	TOC	26766992.4008	754526.5789
2082	TOC	26766992.3990	754590.5789
2083	TOC	26766988.3892	754590.5789

Point #	Description	North	East
2084	TOC	26766958.3892	754526.5789
2085	TOC	26766992.0968	754526.5232
2086	TOC	26766992.4008	754576.5789
2087	TOC	26766912.4008	754576.5789
2088	TOC	26766912.3455	754592.3388
2089	TOC	26766917.4008	754593.2380
2090	TOC	26767071.8117	754593.2380
2091	TOC	26767048.4542	755028.7386
2092	TOC	26767044.7627	754764.9110
2093	TOC	26767070.5135	754792.3936
2094	TOC	26767088.5150	754452.2767
2095	TOC	26767091.0487	754452.2767
2096	TOC	26766914.2012	754633.6554
2097	TOC	26766988.3402	754607.8958
2098	TOC	26766987.0414	754605.9281
2099	TOC	26766955.3903	754605.9177
2100	TOC	26766927.7428	754631.0733
2101	TOC	26766927.5523	754634.4688
2102	TOC	26766926.6126	754661.9705
2103	TOC	26766930.1796	754727.4534
2104	TOC	26766932.8243	754829.3223
2105	TOC	26766938.9770	754907.0860
2106	TOC	26766988.3361	754952.6817
2107	TOC	26767019.2179	754952.6817
2108	TOC	26767068.9617	754906.9042
2109	TOC	26767071.9397	754945.9317
2110	TOC	26766934.7601	755039.9967
2111	TOC	26766904.7326	754968.0164
2112	TOC	26767098.8732	754624.2211
2113	TOC	26767098.8732	754618.3861
2114	TOC	26766919.7307	755054.5204
2115	TOC	26766940.7599	755054.4967
2116	TOC	26766966.6511	754637.8996
2117	TOC	26766968.1951	754622.3833
2118	TOC	26767000.7536	755026.7724
2119	TOC	26767082.6600	755088.4356

SIDEWALK REPAIR POINTS

Point #	Label	North	East
1000	A1	26766906.4845	754591.3956
1001	A2	26767055.6532	754961.8369
1002	B1	26767073.2128	755002.5967
1003	B2	26767076.2236	755030.2876
1004	C1	26767081.4206	755092.8172
1005	C2	26767077.2450	755038.7906
1006	D1	26767078.8978	755015.6956
1007	D2	26767031.8652	755001.4364
1008	E1	26766984.8603	755092.0355
1009	E2	26766957.8830	755034.6535
1010	F1	26766914.6312	755080.2702
1011	F2	26766905.5992	755026.8291
1012	G1	26766989.6228	754961.2904
1013	G2	26766996.1962	754940.3231
1014	H1	26766977.3063	755022.3049
1015	H2	26766947.0179	755079.2046

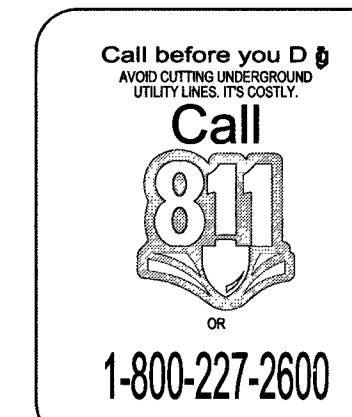
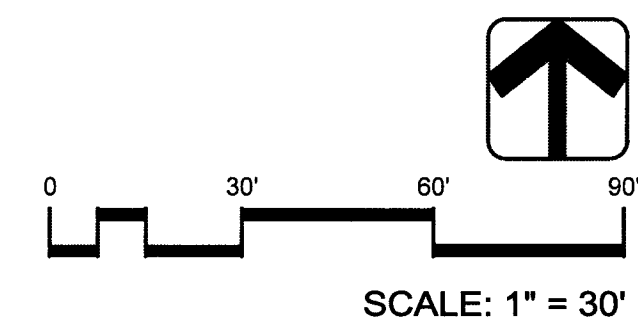
Point #	Label	North	East
1016	I1	26766817.7901	754882.2421
1017	I2	26766814.4427	754843.1752
1018	J1	26767015.8503	754454.0209
1019	J2	26767085.8557	754454.3303
1020	K1	26767086.5899	754342.3333
1021	K2	26767086.5835	754359.1323
1022	L1	26766806.6131	754332.9986
1023	L2	26766832.7426	754335.4383
1024	M1	26767095.4891	754303.6671
1025	M2	26767105.6333	754325.9233
1026	N1	26767107.5110	754381.1438
1027	N2	26767107.5602	754407.4860
1028	O1	26767107.5602	754446.7967
1029	O2	26767107.4817	754481.8618
1030	P1	26767107.7325	754503.4528
1031	P2	26767099.4766	754522.9111

MAINTENANCE PATH ALIGNMENT POINTS

Point #	Description	North	East
3000	EC POC	26766788.2889	754440.2777
3001	PT	26766786.1895	754449.5221
3002	PI	26766784.6362	754724.6107
3003	PI	26766789.7127	754845.9317
3004	PC	26766801.6257	754868.0784
3005	PT	26766807.8639	754911.0787
3006	PI	26766814.6254	754968.2866
3007	PC	26766830.1855	755090.2952
3008	MID POC	26766831.5111	755101.3703
3009	PT	26766832.7602	755112.4045
3010	PI	26766846.2651	755217.2661
3011	PI	26766848.1205	755235.1925
3012	PI	26766892.3681	755588.0911
3013	PC	26766902.3017	755688.3556
3014	PT	26766909.3458	755734.8165
3015	PC	26766914.0475	755761.3102
3016	PC	26766956.5875	755877.2145
3017	PC	26766968.1364	755915.5037
3018	MID POC	26767034.5059	755997.1139
3019	EC PT	26767084.5492	755993.8038

CONSTRUCTION LEGEND

- USE TRACK SURFACING TO REPAIR CROSS SLOPE TO MEET ADA STANDARDS (SEE ALSO SHEETS L1.01 & L1.02)
- REPLACE CONCRETE TO MEET ADA STANDARDS
- NEW CONCRETE
- ADDITIVE ALTERNATIVE
- SURVEY CONTROL POINT
- CONSTRUCTION KEYNOTE
- SIDEWALK REPAIR CONTROL POINT
- SITE FEATURE CONTROL POINT
- MAINTENANCE PATH ALIGNMENT CONTROL POINT
- EXISTING FENCE
- MAINTENANCE PATH ALIGNMENT



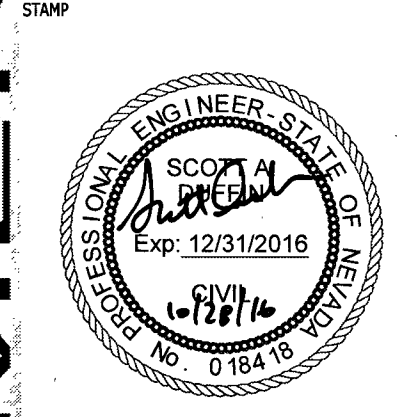
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650.90-2



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CITY OF LAS VEGAS
BILL BRIARE FAMILY PARK IMPROVEMENTS
650 N. TENAYA WAY
APN: 138-27-301-019
SITE PLAN - EAST

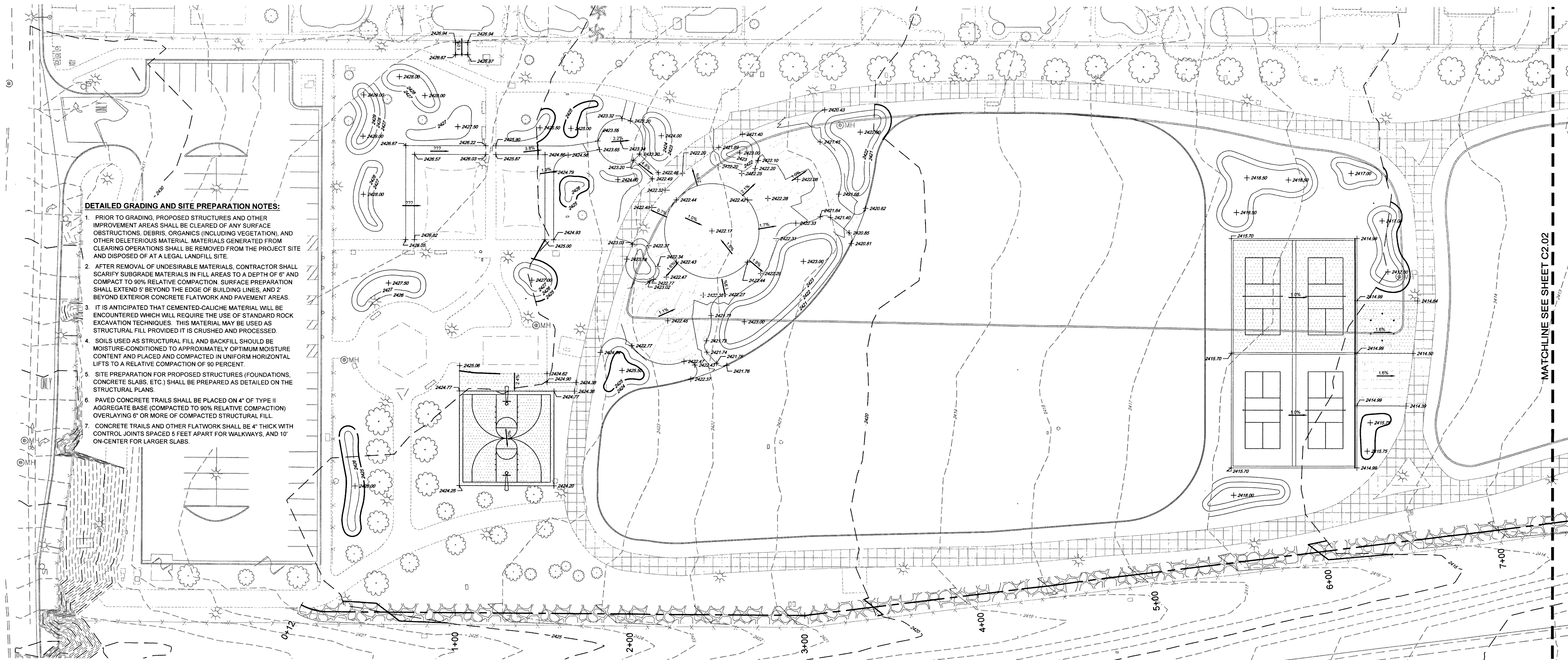


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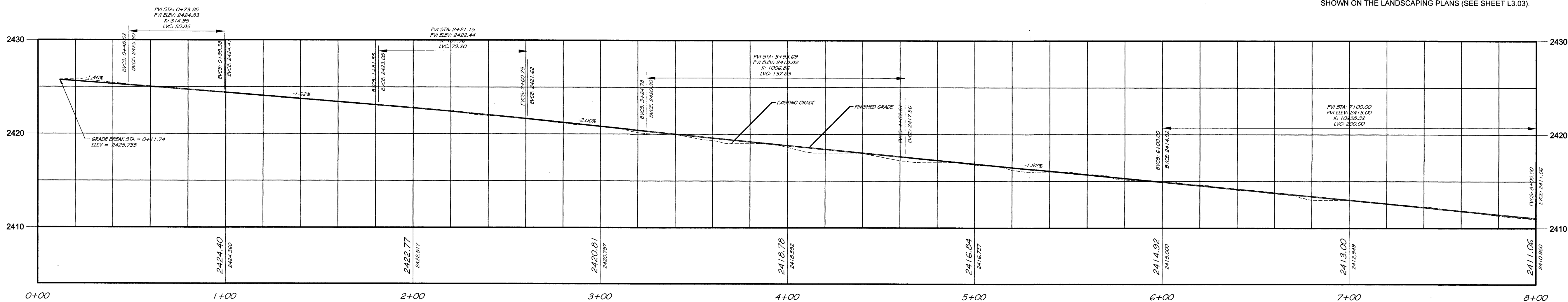
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FAX: (702) 384-4846
TDD: (702) 386-9108
DRAWN: SAD
FILE: 16-001
DATE: October 31, 2016
SCALE: 1"=30'-0"
BID NO: 15.59815DC
CLV DWG NO: 650.90-2
HANSER #: 59815

SHT NO: C1.02

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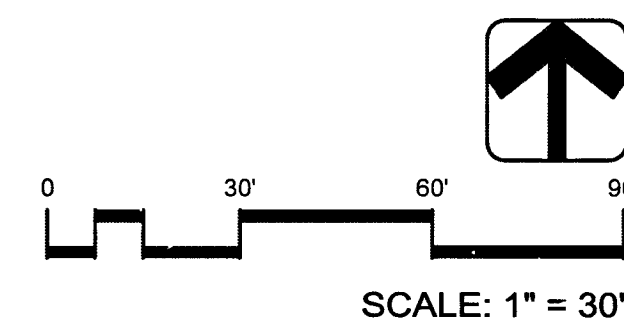
GRADING PLAN - EAST



MAINTENANCE PATH TYPICAL SECTION

GRADING LEGEND

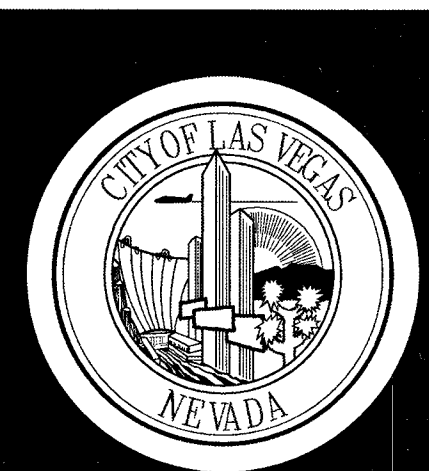
- PROPOSED CONTOUR - MAJOR (5')
- PROPOSED CONTOUR - MINOR (1')
- EXISTING CONTOUR - MAJOR (1')
- EXISTING CONTOUR - MINOR (1')
- PROPOSED SLOPE
- PROPOSED SPOT ELEVATION



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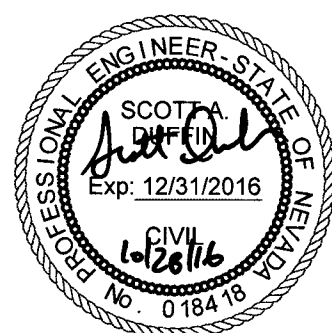
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CITY OF LAS VEGAS
BILL BRIARE FAMILY PARK IMPROVEMENTS

650 N. TENAYA WAY

APN: 138-27-301-019

GRADING PLAN - WEST



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CLVW NO: 650.90-2
HANSER #: 59815
SHEET NO: C2.01

H# 65970
650.90-2

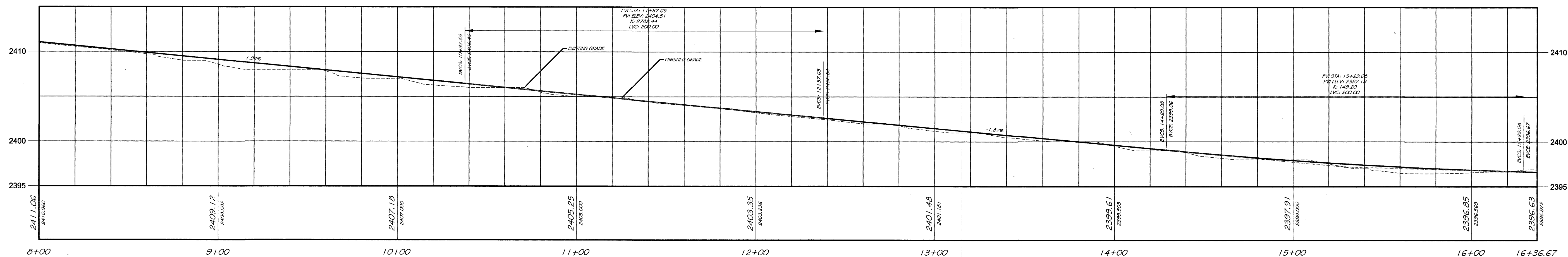
C2.01



GRADING PLAN - EAST

MAINTENANCE PATH PROFILE

BERM CONSTRUCTION NOTE: THE LOCATION, SIZE AND EXTENTS OF BERMS SHOWN ON THIS PLAN ARE APPROXIMATE AND SHALL BE FIELD LOCATED AS DIRECTED BY THE LANDSCAPE ARCHITECT AND IN ACCORDANCE WITH THE MOUNDING DETAIL SHOWN ON THE LANDSCAPING PLANS (SEE SHEET L3.03).

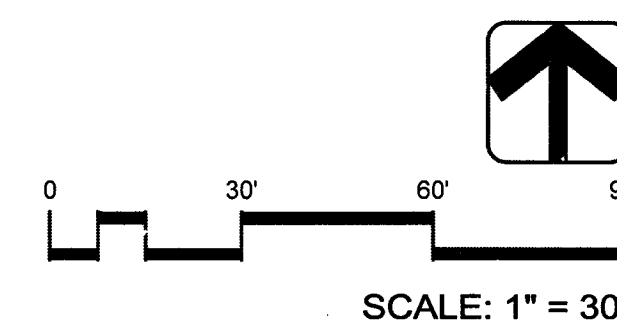


MAINTENANCE PATH TYPICAL SECTION

SCALE: 1" = 10'

GRADING LEGEND

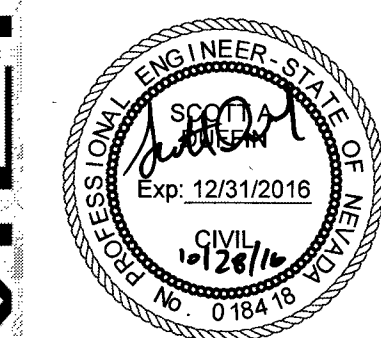
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- PROPOSED CONTOUR - MINOR (1')
- EXISTING CONTOUR - MAJOR (1')
- EXISTING CONTOUR - MINOR (1')
- PROPOSED SLOPE
- PROPOSED SPOT ELEVATION



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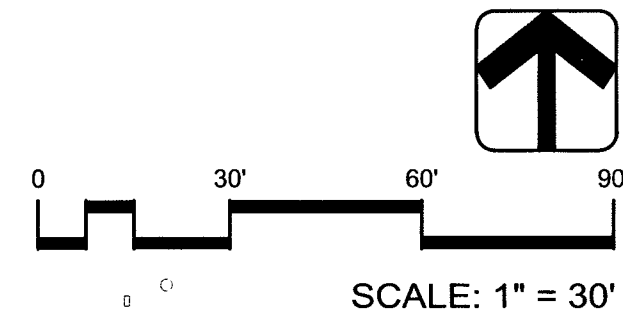
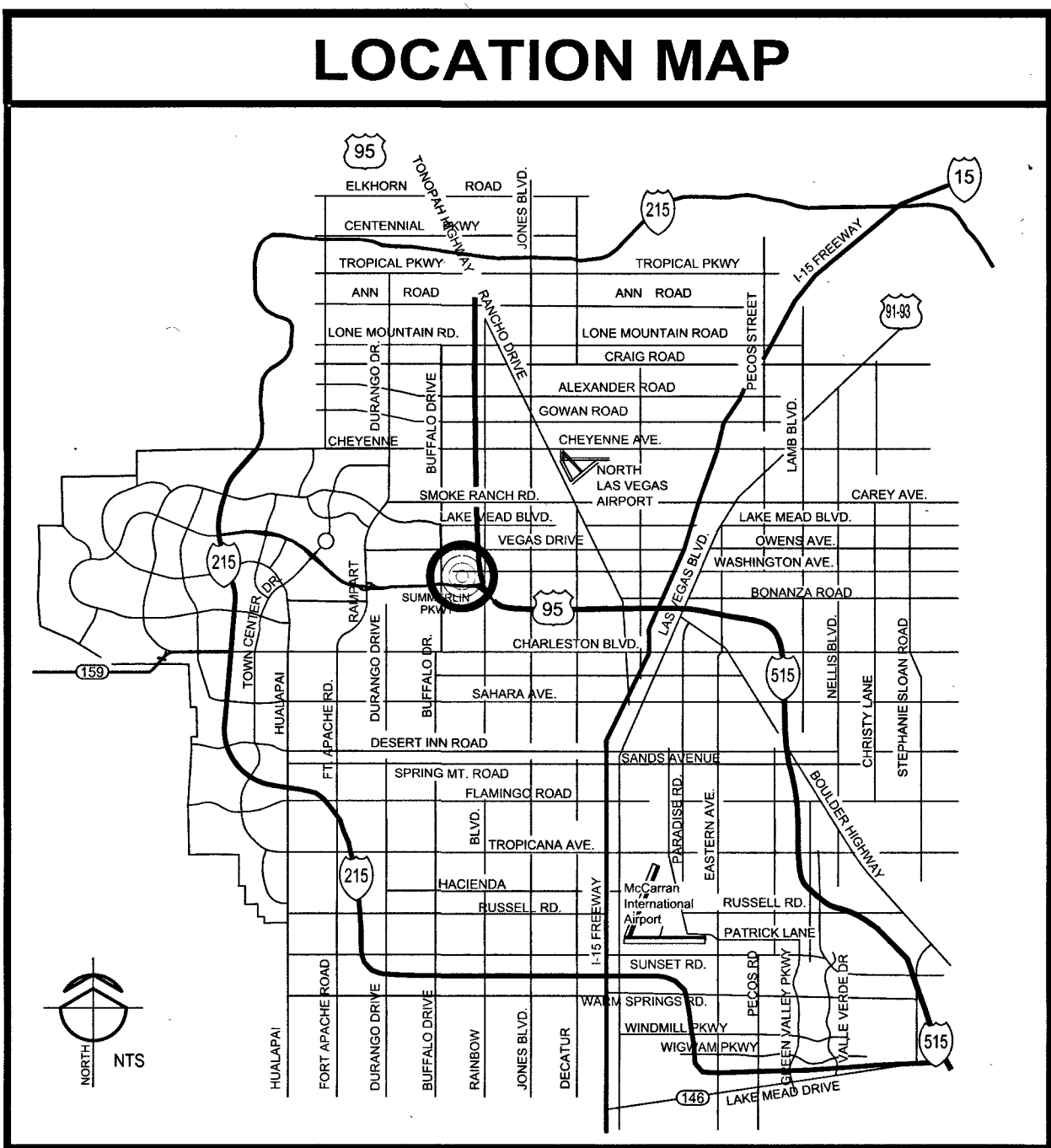
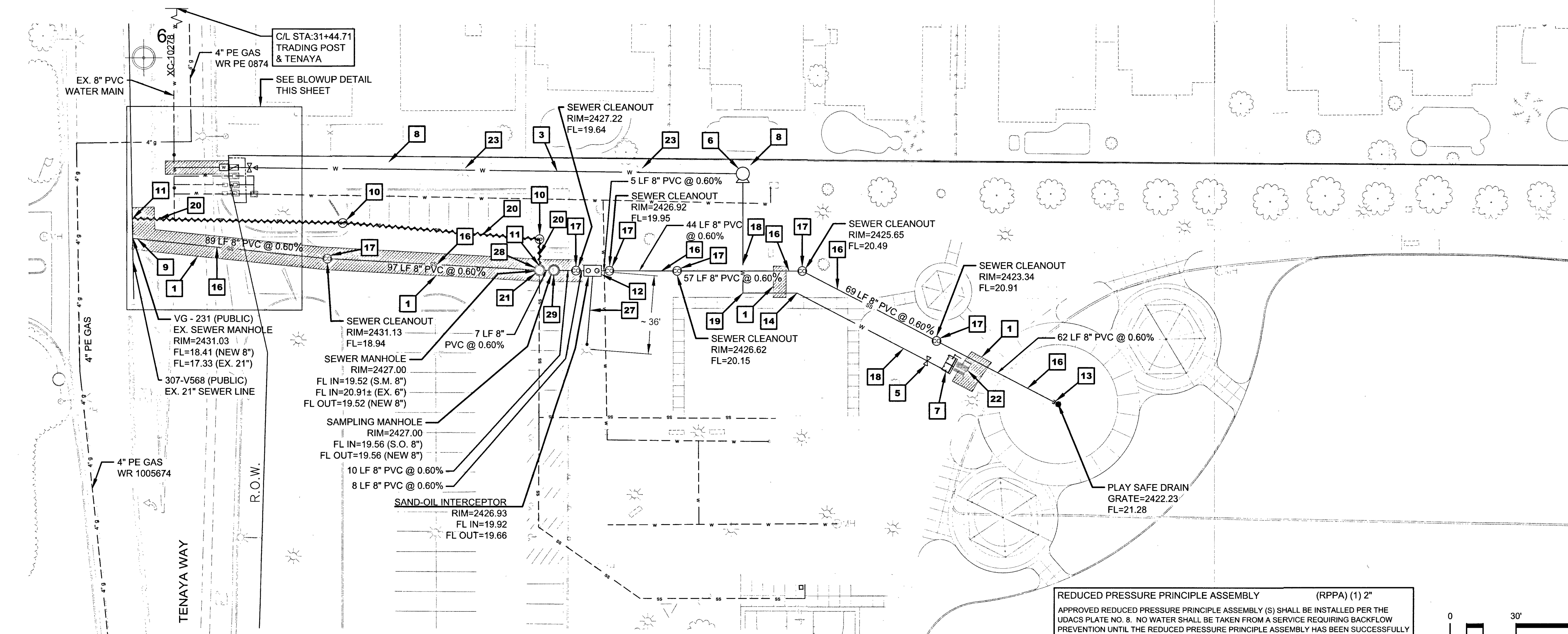
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HANSEN #	59815
SHT NO	

C2.02

H#65970
650.96-2



REDUCED PRESSURE PRINCIPLE ASSEMBLY (RPPA) (1) 2"
 APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY (S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVWVD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

UTILITY PLAN CONSTRUCTION KEY NOTES

- 1 SAWCUT, REMOVE AND RECONSTRUCT TO NEW CONDITIONS (PER APPLICABLE STANDARDS)
- 2 INSTALL METER (PER UDACS PLATE #4)
- 3 NEW 4" PVC WATER LINE (PER UDACS)
- 4 INSTALL 2" RPPA WITH CONCRETE PAD (SEE UDACS PLATE #8)
- 5 NEW 2" OR 3" VALVE (PER UDACS)
- 6 NEW BOOSTER PUMP (SEE SHEET IR-1.7)
- 7 CONNECT TO NEW CONCRETE VAULT & MANIFOLD ASSEMBLY (SEE SHEET W1.03)
- 8 PROTECT EXISTING FENCE IN PLACE
- 9 CONNECT NEW 8" SEWER LATERAL TO EXISTING SEWER MANHOLE (PER DCSWCS)
- 10 EXISTING SEWER CLEAN-OUT TO BE REMOVED (PER DCSWCS)
- 11 REMOVE EXISTING SEWER LATERAL AND CAP AT WYE (PER DCSWCS 3.18.1C)
- 12 NEW 320 GALLON SAND-OIL INTERCEPTOR (SEE SHEET C4.00, DETAIL 1, JENSEN PRECAST (MODIFIED) OR APPROVED EQUAL PER UPC (UNIFIED PLUMBING CODE)), TO BE REVIEWED / PERMITTED BY DEPT OF BUILDING & SAFETY
- 13 CONNECT NEW 8" SEWER TO NEW PLAY SAFE DRAIN 8" PIPE (SEE SHEET W1.03-F)
- 14 NEW 3" 22.5" BEND (PER UDACS)
- 15 CONNECT NEW 2" WATER LINE TO EXISTING 8" WATER MAIN (PER UDACS)
- 16 NEW 8" SEWER LATERAL (PRIVATE)
- 17 NEW 6" SEWER CLEAN-OUT (PER DCSWCS SD-26, WITH TRAFFIC RATED LID) (PRIVATE)
- 18 NEW 3" PVC WATER LINE (PER UDACS)
- 19 NEW 3" 90° BEND (PER UDACS)
- 20 EXISTING SEWER LATERAL TO BE ABANDONED IN PLACE (PER DCSWCS 3.18.1C)
- 21 CONNECT EXISTING SEWER LATERAL TO NEW 6" SEWER LATERAL (PER DCSWCS)
- 22 SEE SHEET W1.01 FOR WATER LINE ROUTING BEYOND CONCRETE VAULT
- 23 PROTECT EXISTING LIGHT POLE IN PLACE
- 24 PROTECT EXISTING WATER FACILITIES IN PLACE
- 25 NEW 2" x 4" REDUCER (PER UDACS)
- 26 NEW -20' x -7.5' (EXCLUSIVE) WATER EASEMENT (PER UDACS)
- 27 NEW 4" STAINLESS STEEL VENT PIPE (SEE SHEET C4.00, DETAIL 4, PER DCSWCS AND UPC (UNIFIED PLUMBING CODE))
- 28 NEW 48" SEWER MANHOLE (PER DCSWCS) (PRIVATE)
- 29 NEW 48" SAMPLING MANHOLE (SEE SHEET C4.00, DETAIL 2 & 3, JENSEN PRECAST OR APPROVED EQUAL PER DCSWCS)
- 30 NEW 2" PVC WATER LINE (PER UDACS)

CONSTRUCTION LEGEND

- w --- EXISTING WATER LINE (APPROX.)
- w --- NEW 3" OR 4" WATER LINE
- ss --- EXISTING SANITARY SEWER (APPROX.)
- ss --- NEW 6" SANITARY SEWER
- --- EXISTING SEWER LATERAL TO BE ABANDONED IN PLACE
- NEW WATER METER
- ✓ NEW BACK FLOW PREVENTER
- NEW BOOSTER PUMP
- ✕ NEW WATER VALVE
- ⊙ NEW SEWER CLEAN-OUT
- NEW 48" MANHOLE
- NEW SAND-OIL INTERCEPTOR
- --- EXISTING STRUCTURES TO BE REMOVED (SAWCUT TO ALLOW FOR CLEAN EDGES)

CONSTRUCTION NOTES

1. SEE SHEET L1.01 FOR ADDITIONAL DEMOLITION COORDINATION.
2. SEE LANDSCAPING, IRRIGATION AND POWER PLANS FOR ANY REQUIRED CONDUITS FOR POWER, LIGHTING AND IRRIGATION.
3. ALL LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE, CONTRACTOR TO FIELD VERIFY PRIOR TO CONSTRUCTION.

ESTIMATED PUBLIC WATER QUANTITIES

1. 4" WATER SERVICE LATERAL - (~ 30 L.F.)
2. 4" TO 2" REDUCER - (2)
3. 4" WATER VALVE - (1)
4. 4" BACK FLOW PREVENTER - (1)
5. 2" WATER METER - (1)

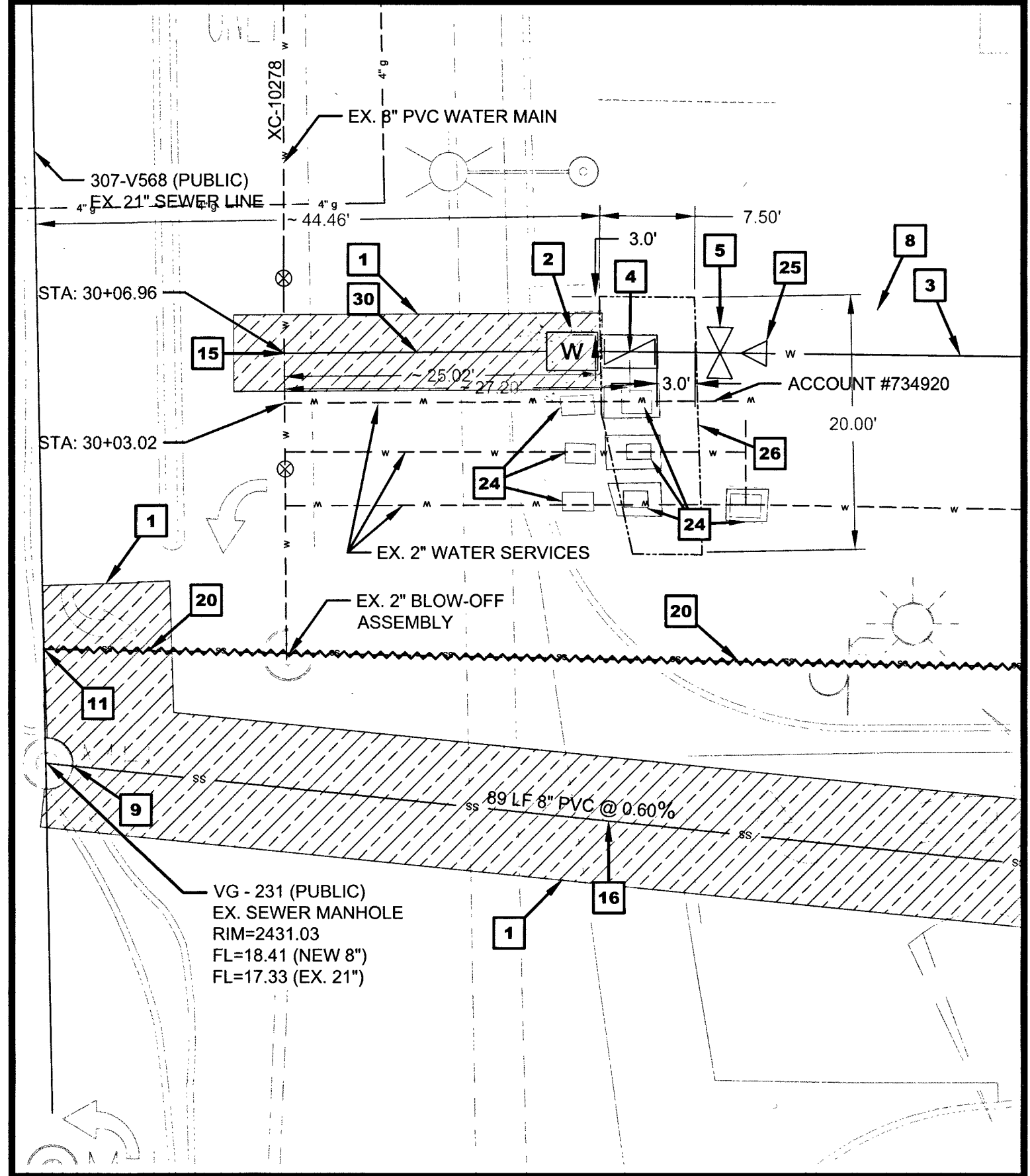
APPROVED FOR CONSTRUCTION

4. DISHARI, E.O.
 Las Vegas Valley Water District Engineering Service Manager
 Project No: 124931 Date: 2/10/16

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BLOWUP DETAIL SCALE 1" = 10'

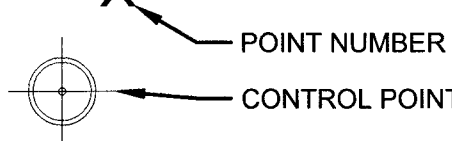
SURVEY CONTROL

BASIS OF BEARING
 NORTH 01°01'49" WEST

BEING THE WEST LINE OF THE SOUTHEAST QUARTER (SE1/4) OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN PLAT OF TENAYA 2 UNIT 3, RECORDED IN PLAT BOOK 34, PAGE 59 OFFICIAL RECORDS OF CLARK COUNTY NEVADA.

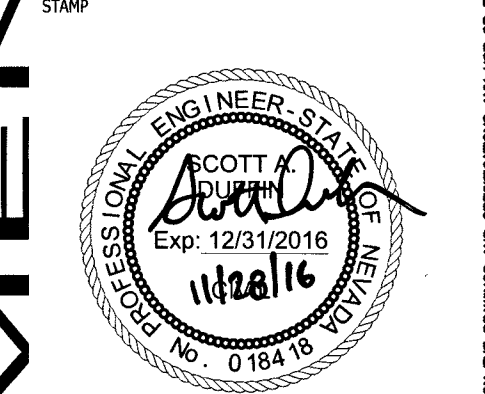
BENCHMARK
 CITY OF LAS VEGAS BENCHMARK MONUMENT ID NUMBER 14LV0027C4 RIVET AND PLATE IN TOP OF CURB AT THE SOUTHEAST CORNER OF TENAYA WAY AND WASHINGTON AVE, ELEVATION 2425.14 (NAVD 88)

Point	Northing	Easting	Elevation	Description
4	2676687.557	755071.595	2414.23	AT MAG
6	26767160.790	754295.127	2429.83	AT MAG
8	2676687.083	754296.223	2452.20	AT



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CITY OF LAS VEGAS
 BILL BRIARE FAMILY PARK IMPROVEMENTS
 650 N. TENAYA WAY
 APN: 138-27-301-019
 UTILITY PLAN



OWNER: CITY OF LAS VEGAS
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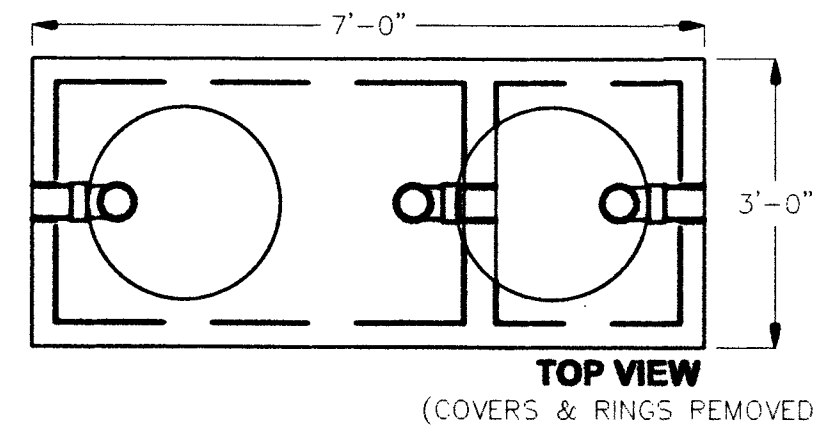
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 FILE: 16-001
 DATE: October 31, 2016
 SCALE: 1"=30'-0"
 BID NO: 15.59815DC
 CLV DWG NO: 650.90-2
 HANSEN #: 59815
 SHEET NO:

C3.00

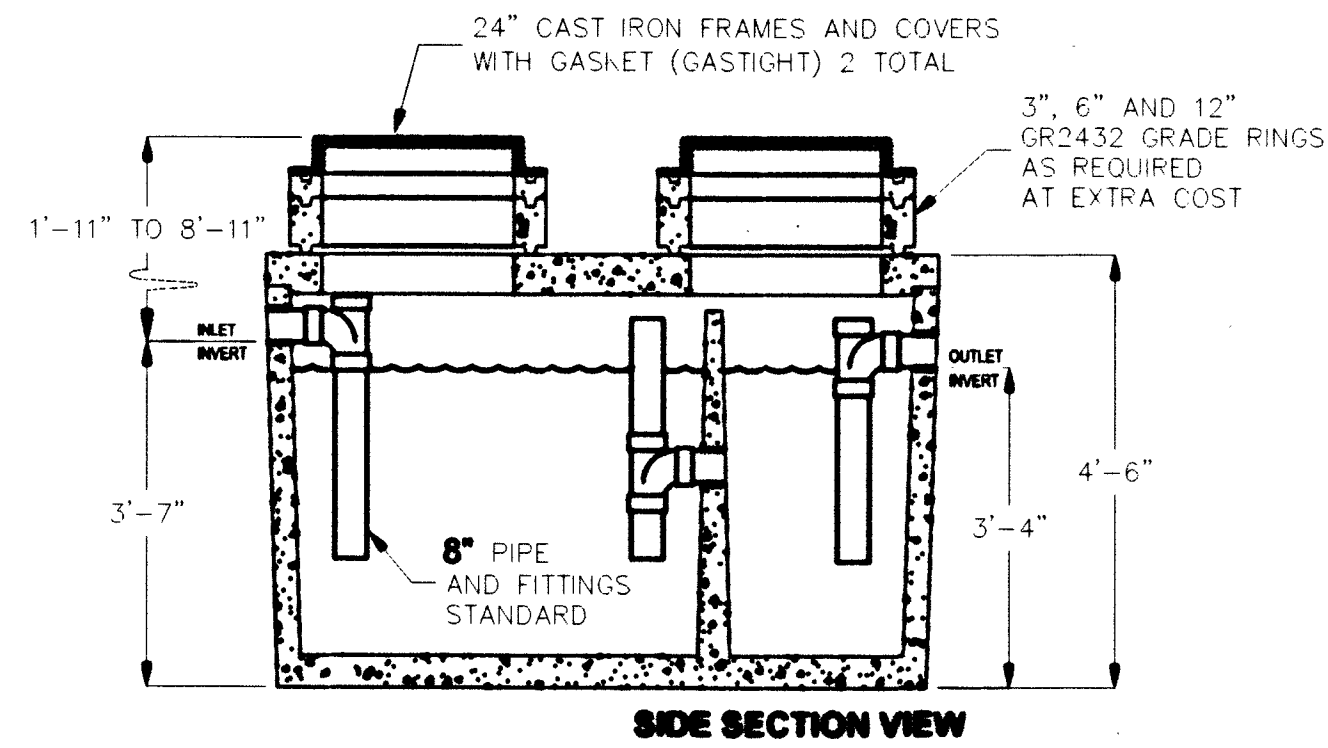
PROJECT: 124931 ASH# 16044 QS:138-27-301-019

320 GALLON SAND-OIL INTERCEPTOR

MODEL JP320EE-G
LISTED BY UPC®
(MODIFIED)



TOP VIEW
(COVERS & RINGS REMOVED)



SIDE SECTION VIEW

OPERATING CAPACITY: 320 GALLONS.

DESIGN LOAD: H-20 TRAFFIC WITH DRY SOIL CONDITIONS (WATER LEVEL BELOW TANK) AND 1'-8" EARTH COVER.

BEDDING NOTE: SUITABLE SUB-BASE BEDDED WITH GRANULAR MATERIAL SHALL BE PREPARED TO HANDLE ANTICIPATED LOADS.

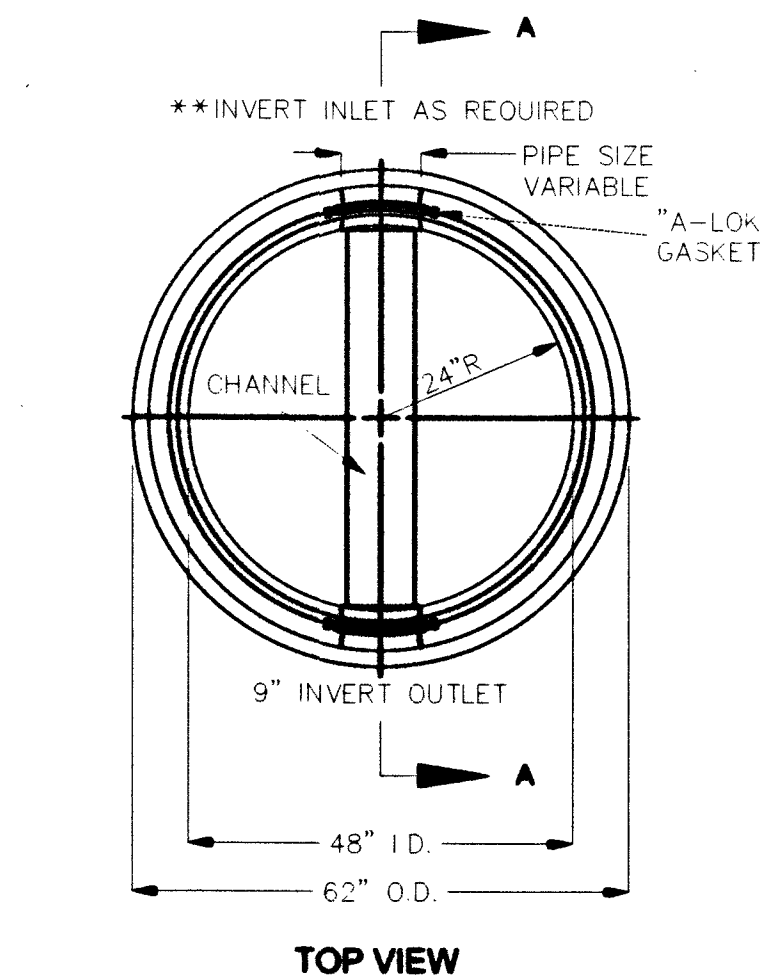
FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN PRECAST.

MINIMUM EXCAVATION
4'-0" x 8'-0"
x REQ'D DEPTH

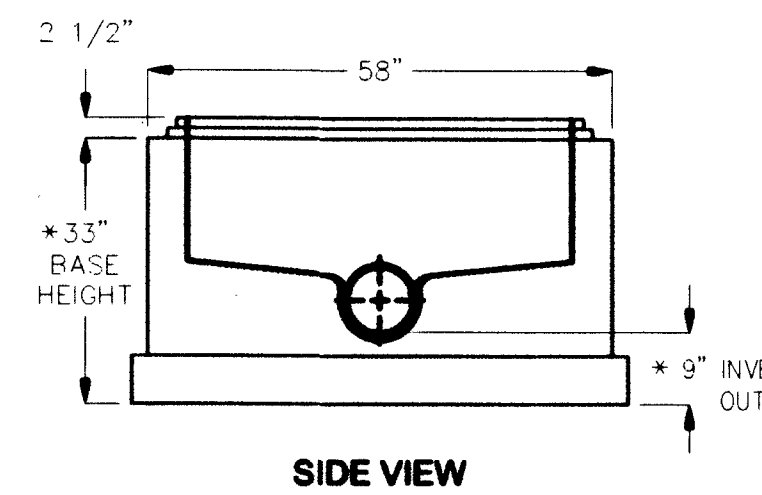
JENSEN
PRECAST

1/16/06
JP320EE-G.dwg
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TOP VIEW

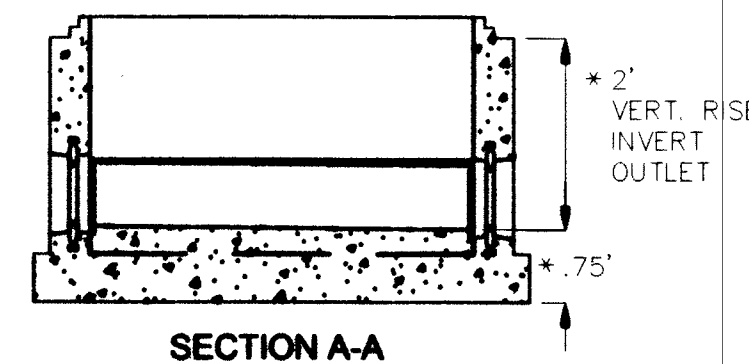


SIDE VIEW

3/1/05
48 I.D. 2-WAY, 0°-180° CHANNEL TYPICAL BASE.dwg
© 2005 Jensen Precast

48" I.D., 2 WAY, 0°-180° CHANNEL TYPICAL BASE

(BASE WITH 8" DIA. PIPE SHOWN)



SECTION A-A

CONFORMS TO CURRENT SPECIFICATION
ASTM C-478 AND AASHTO NO
M199-93. FLAT TOPS AND BASE
SLABS ARE DESIGNED FOR AASHTO
HS-20 WHEEL LOADING.

EXAMPLE SHOWN: 48" Ø 2 WAY 180°, 8" MANHOLE BASE IS USED WITH 8" I.D. SDR 35 PVC OR OTHER PIPES WITH 8.50 O.D. ±1/4". PIPES THAT HAVE O.D.'S NOT WITHIN THESE TOLERANCES ARE AVAILABLE ON A MADE TO ORDER BASIS.

POSSIBLE VARIATIONS:

1. NUMBER OF INLETS
2. ANGLE OF INLETS
3. ELEVATION OF INLETS
4. ANGLE OF SHELVE SLOPE
5. HEIGHT OF CHANNEL
6. DIAMETER OF MANHOLE
7. PIPE TO MANHOLE CONNECTOR
8. PIPE SIZE

*DIMENSION VARIES DEPENDING UPON SIZE OF PIPE USED.

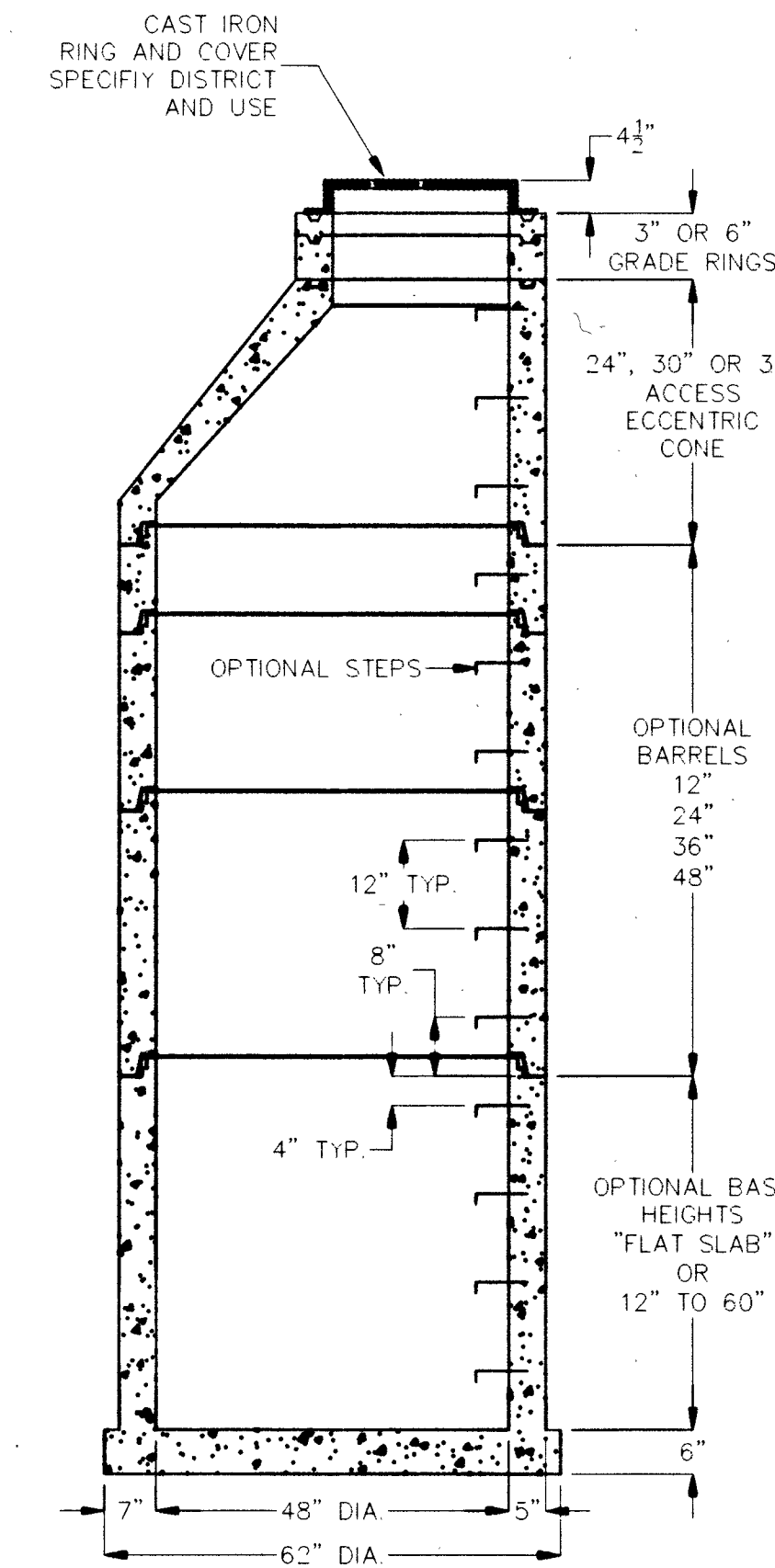
**AS REQUIRED BY FALL:

- 0 FALL = 9" INVERT
- 1/10 FALL = 10 1/4" INVERT INLET
- 2/10 FALL = 11 1/2" INVERT INLET, STANDARD

SPECIFY 0" TO 6" FALL.

JENSEN
PRECAST

48" I.D. x 5" WALL COMPONENTS



MANHOLE COMPONENTS CONFORM TO CURRENT SPECIFICATIONS, ASTM C-478 AND AASHTO M199.

FLAT TOPS AND BASE SLABS ARE DESIGNED FOR AASHTO HS-20 WHEEL LOADING.

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PRECAST

8/31/2011
2016 05-10 DETAILS.DWG
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1 320 GAL. SAND-OIL INTERCEPTOR (MODIFIED)

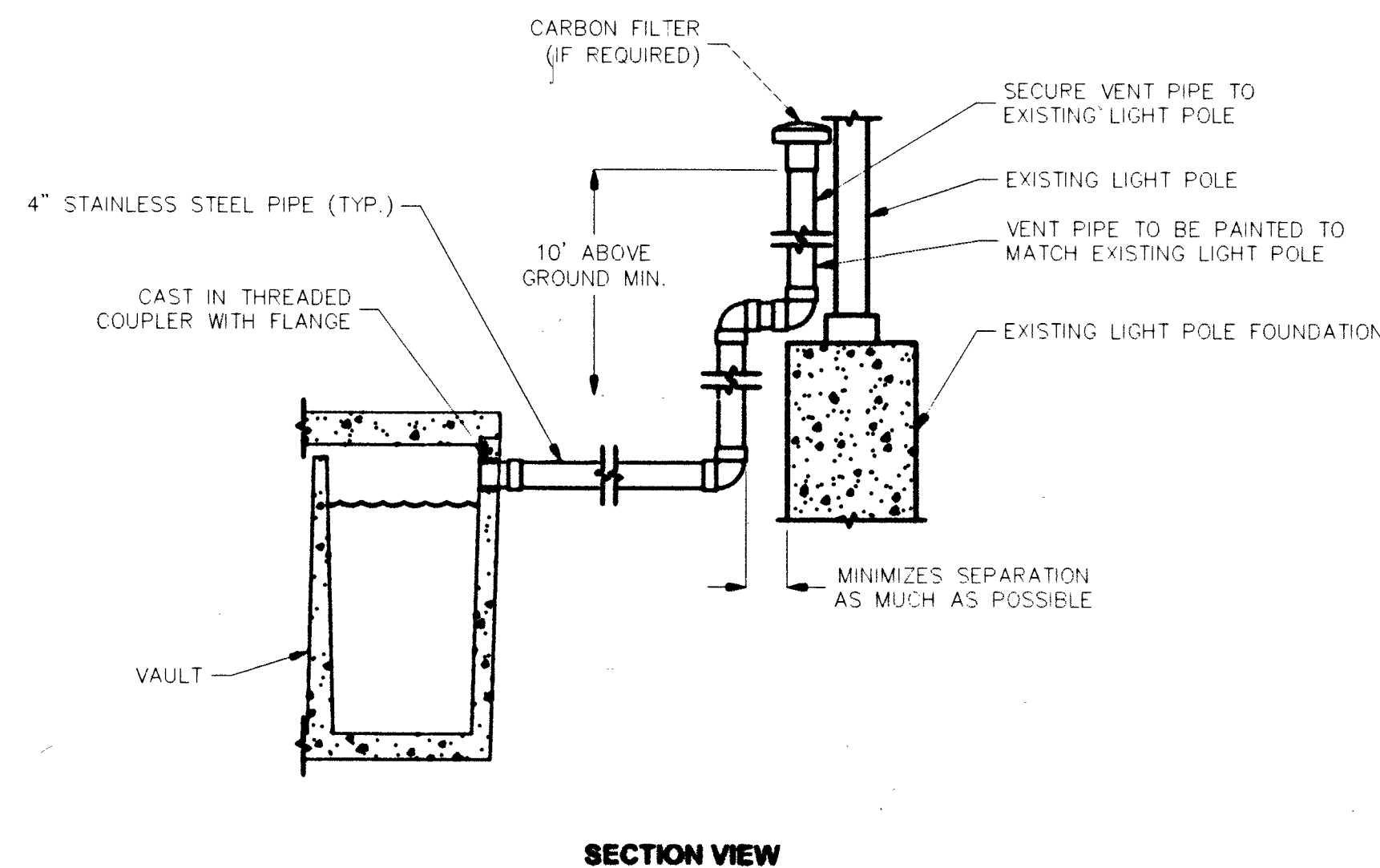
N.T.S.

2 48" I.D. 2-WAY, 0°-180° CHANNEL TYPICAL BASE

N.T.S.

3 48" I.D. x 5" WALL COMPONENTS

N.T.S.



SECTION VIEW

4 PROPOSED VENT SCHEMATIC

N.T.S.

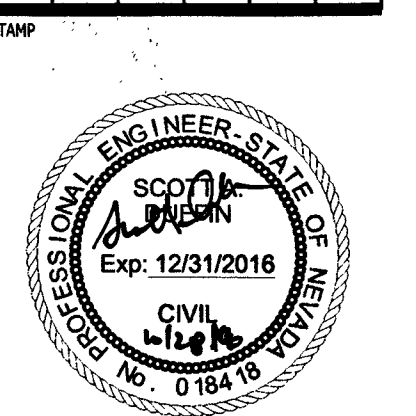


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BILL BRIARE FAMILY PARK IMPROVEMENTS
650 N. TENAYA WAY
APN: 138-27-301-019
DETAILS

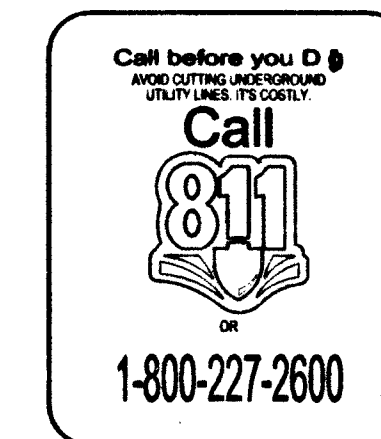


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C4.00



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