



Department of Administrative Services

Purchasing and Contracts

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Sabra Smith Newby, Chief Administrative Officer
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CLARK COUNTY, NEVADA BID NO. 604008-16; HOLLYWOOD REGIONAL PARK: BALL FIELD ENLARGEMENT AND LIGHTING RP.E0114083

March 15, 2016

ADDENDUM NO. 2

INVITATION TO BID

1. The bid opening date of March 22, 2016 at 2:15:00 p.m. **remains unchanged.**

GENERAL CONDITIONS

2. **Delete** - Section 1.1 B – Materials Notice to Proceed in its entirety and **replace** with new paragraph Section 1.1B as follows:

“Administrative Notice to Proceed” – “The Owner will issue the Administrative Notice to Proceed upon execution of the Contract by all parties and after the Notice of Award from the Purchasing and Contracts Division has been issued. Administrative Notice to Proceed will allow the Contractor to attend weekly pre-construction meetings with the Owner and Architect, and prepare and process submittals, prepare and submit shop drawings, order materials, initiate background checks, submit badge applications, process Request for Information (RFI), and similar Administrative activities that do not involve mobilization or actual Construction. The Administrative Notice to Proceed will initiate the Contract Calendar for all measurement and tracking purposes. Submittals, supplies, material orders, equipment, and background **investigation** coordination must be completed within sixty (60) calendar days. During this time period, the Owner may issue the Notice to Proceed for the Work” but not before background investigations are complete.

BID FORM

3. **Delete** original Bid Form pages 4-1 through 4-5 and **replace** with the attached revised Bid Form pages 4-1 through 4-5.

SPECIFICATIONS

4. **Delete** original Section 01 11 10 Summary of Work - Article 1.02 C in its entirety and **replace** with revised new paragraph Section 01 11 10 Summary of Work – Article 1.02 C as follows:

SECTION 01 11 10 – “SUMMARY OF WORK” - Article 1.02 C - “Work hours: The General Contractor will perform construction activities during the following times: Monday through Sunday from 6:00 am to 10:00 pm. All dates and times will be outlined in the project schedule as required per Section 01 32 16 to complete the entire work within 91 calendar days as specified on “General Conditions Section 1, General 1.2 A”. The Contractor may present an alternate work schedule to the Owner for consideration on a case by case basis. The Contractor will notify the Owner’s Representative when changes to the approved working hours days/hours are deemed necessary.”

5. **Delete** the original Section 01 35 53 in its entirety and **replace** with the attached revised Section 01 35 53 Security Procedures (R1).
6. **Insert** Section 02950 Trees, Plants and Ground Cover attached to this addendum.

DRAWINGS

7. **Delete:** Construction and Storm Drain Plan C3.01 dated 1.22.2016 and **replace** with attached revised C3.01-Construction and Storm Drain Plan, revision 1 dated 3/3/16.

8. **Delete:** Landscape Planting Plan L1.01 dated 1.22.2016 and **replace** with attached revised L1.01-Landscape Planting Plan, revision 1 dated 3/3/16.
9. **Delete:** Landscape Details L3.01 dated 1.22.2016 and **replace** with attached revised L3.01 Landscape Details revision 1 dated 3/3/16.

QUESTIONS AND ANSWERS

1. QUESTION: Are existing two (2) trees going to be removed and disposed or relocated?

ANSWER: Existing two (2) Trees will be removed and disposed. Two (2) new trees will be planted per L1.01-Landscape Planting Plan, Revision 1 dated 3/3/2016.

2. QUESTION: Should the concrete curb under the existing fence on the south side of the Ballfield be demolished or reused?

ANSWER: The concrete curb will be removed. See drawing C3.01-Construction and Storm Drain Plan Revision 1 dated 3/3/16.

3. QUESTION: Do you have any interior photos of the existing Ballfield Electric Room Main?

ANSWER: Yes, Owner has interior photos of the existing Ball Field Electric Room. See attached PDF file "Exhibit-1-Ballfield Electric Room Main Photos" attached to this addendum.

4. QUESTION: According to sheet L2.01, note 10; all new / replaced valves are to be wired to the existing controller, but nowhere in the plans does it show where the existing controller is located. Please advise as to where the location of the controller is?

ANSWER: The existing controller is located approximately 400 LF north for the edge of the ball field. Contractor shall be responsible for any and all additional lengths, conditions and associated appurtenances to provide a working irrigation system. See attached Exhibit 2 Irrigation Controller Location attached to this addendum.

5. QUESTION: Looks like the 750 mcm feeders to new panel L-10 are spliced in pull box outside of ball field electrical room, with new 4/0 power conductors being brought in to new panel. New question: what takes precedence Prints of Specs. Ex: Prints say to run EMT conduit inside, specs say EMT is prohibited?

ANSWER: EMT is already in use in the little electrical room up by the ball field and it is a restricted area so the EMT will be allowed for the exposed conduit in that room. That should be the only interior exposed conduit for this project.

6. QUESTION: Drawing E2.01 – Note #1 States existing pullbox or conduit. Remove and salvage existing conductors install new conductors per plans return salvaged conductors to Owner. See feeder 1 & 2 on Sheet E3.01. Drawing E2.02 – Note #1 States existing pull box or conduit. Remove existing conductors. Install new conductors per plans. See feeder 1 & 2 on sheet E3.01. Question – Is the existing raceway that is already in place being utilized? Has it been confirmed that the existing raceway is a 4" raceway? I went out to walk the project and the existing pull boxes have large boulders on them to prevent entering them, so I could not gain access to them. The existing battlefield electrical room is locked. Drawing E2.02 – Shows a section of concrete being removed what is this for?

ANSWER: The raceway from the main switchgear to the pull box outside the ball field electrical room is utilized (feeds the existing panel inside the ball field electric room) and has been verified as 4" conduit. The section of concrete being removed has been revised see sheet C3.01 revision 1 dated 3/3/2016.

7. QUESTION: Is there a 4" conduit coming out of exterior vault into the electrical room panel"

ANSWER: No. See Notes 10, 11, and 12 on Sheet E2.02.

8. QUESTION: Note 5 Sheet E2.02 elaborates this note. Provide more detailed information.

ANSWER: Conductors in the pole to the luminaires, ballast enclosures, etc. may be dictated or even provided by the lighting / pole manufacturer(s). These conductors need to be determined based on the lighting manufacturer selected.

9. QUESTION: What is the entire scope of work on control and monitoring system on ballfield lighting? Is it wireless system? Are the (2) conduits running on each light pole?

ANSWER: The entire scope for control and monitoring of the lighting system is as described in Specification Sections 26 56 66 Exterior Athletic Lighting - LED or 26 56 68 Exterior Athletic Lighting. The completed system, whether provided by the lighting manufacturer or separately by the contractor, shall be compliant with those requirements. The number of conduits on each light pole will be determined by the requirements of the selected system.

10. QUESTION: Are the electrical light poles on pre-fab bases?

ANSWER: The type of base depends on the lighting / pole manufacturer selected.

11. QUESTION: Sheet C3.02 on Soccer Field, elaborate or provide additional information to assist on cost estimating?

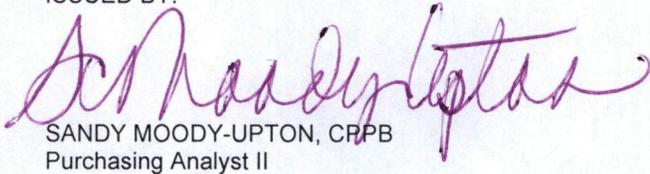
ANSWER: It is to restripe the soccer field as shown on the plans.

12. QUESTION: When is the estimated start of construction based on 91 calendar day of construction duration?

ANSWER: Start of construction is June 1, 2016.

Except as modified herein all other bid specifications, term and conditions and special conditions shall remain the same.

ISSUED BY:



SANDY MOODY-UPTON, CRPB
Purchasing Analyst II

Attachment(s): Revised Bid Form Pages 4-1 through 4-5
Revised Specification Section 01 35 53 Security Procedures
02950 Trees, Plants, and Ground Cover
C3.01-Construction and Storm Drain Plan Revision 1
Exhibit-1-Ballfield Electric Room Photos
Exhibit-2-Irrigation Controller Location
L1.01-Landscape Planting Plan, Revision 1
L3.01 Landscape Details Revision 1

Cc: Chuck James, Real Property Management
Brian Connolly, Real Property Management
Cesar Ceballos, Real Property Management
Chat Patel, Real Property Management
Jay Guzman, jguzman@gcwengineering.com

CLARK COUNTY, NEVADA

BID FORM

BID NO. 604008-16 RP.E0114083
HOLLYWOOD BALLFIELD ENLARGEMENT AND LIGHTING
PWP NUMBER: CL-2016-131
Revised per Addendum No. 2

(NAME)

(ADDRESS)

I, THE UNDERSIGNED BIDDER:

1. Agree, if awarded this Contract, I will complete all work for which a Contract may be awarded and to furnish any and all labor, equipment, materials, transportation, and other facilities required for the services as set forth in the Bidding and Contract Documents.
2. Have examined the Contract Documents and the site(s) for the proposed work and satisfied themselves as to the character, quality of work to be performed, materials to be furnished and as to the requirements of the specifications.
3. Have completed all information in the blanks provided and have submitted the following within this Bid:
 - a) Have listed the name of each Subcontractor which will be paid an amount exceeding five percent (5%) of the Total Base Bid amount.
 - b) Attached a bid security (in the form of, at my option, a Cashiers Check, Certified Check, Money Order, or Bid Bond in favor of the Owner in the amount of five percent (5%) of the Total Base Bid amount.
 - c) If claiming the preference eligibility, I have submitted a valid Certificate of Eligibility with this Bid.
4. I acknowledge that if I am one of the three apparent low bidders at the bid opening, and if I have listed Subcontractor(s) pursuant to NRS 338.141, I must submit Bid Attachment 2 within two-hours after completion of the bid opening pursuant to the Instructions to Bidders, forms must be submitted via hand delivery or email to COUNTYPURCHASING@CLARKCOUNTYNV.GOV and I understand that hand delivery is recommended, and Owner shall not be responsible for lists received after the two-hour time limit, regardless of the reason. I understand that submission after the two-hour time limit is not allowed and will be returned to me and the bid will be deemed non-responsive. I acknowledge that for all projects, I will list:
 - a) My firm's name on the list if my firm will perform any work which is more than 1 percent of the prime contractor's total bid and which is not being performed by a subcontractor. The prime contractor shall also include on the list:
 - 1) A description of the labor or portion of the work that the prime contractor will perform: or
 - 2) A statement that the prime contractor will perform all work other than that being performed by a subcontractor listed.
 - b) The name of each first tier subcontractor who will provide labor or a portion of the work on the public work to the prime contractor for which the first tier subcontractor will be paid an amount exceeding \$250,000.
 - c) If I will employ a first tier subcontractor who will provide labor or a portion of the work on the public work to the prime contractor for which the first tier subcontractor will not be paid an amount exceeding \$250,000, the name of each first tier subcontractor who will provide labor or a portion of the work on the public work to the prime contractor for which the first tier subcontractor will be paid 1 percent of the prime contractor's total bid or \$50,000, whichever is greater.
5. I acknowledge that if I am one of the three apparent low bidders at bid opening, and if I have submitted a valid Certificate of Eligibility as described in 3.c above, I must submit Bid Attachment 3, Affidavit Pertaining to Preference Eligibility, within two-hours after completion of the bid opening pursuant to the General Conditions. The forms must be submitted via hand delivery or email to COUNTYPURCHASING@CLARKCOUNTYNV.GOV and I understand hand delivery is recommended. Owner shall not be responsible for lists received after the two-hour time limit, regardless of the reason. I understand that submission of the Certificate after the two-hour time limit is not allowed and it will be returned to me and the bid will be deemed non-responsive.

Hollywood Regional Park : Ball Field Enlargement and Lighting
Revised per Addendum No. 2

6. I acknowledge that if notified that I am the low bidder, I must submit the Disclosure of Ownership/Principals form within 24-hours of request.
7. I acknowledge that if I am one of the three apparent low bidder(s) for the base bid at the bid opening, I must submit the Bid Attachment 4, Schedule of Values, by 12:00 Noon of the next business day.
8. I acknowledge that my bid is based on the current State of Nevada prevailing wages.
9. I acknowledge that I have not breached a public work contract for which the cost exceeds \$25,000,000, within the preceding year, for failing to comply with NRS 338.147 and the requirements of a contract in which I have submitted within 2 hours of the bid opening an Affidavit pertaining to preference eligibility.
10. Upon faxed or mailed receipt of Owner's written request for insurance, I will provide the following submittals within ten (10) business days from receipt of the Notice:
 - a) Performance Bond, Labor and Material Payment Bond and a Guaranty Bond, for 100% of the Contract amount as required.
 - b) Certificates of insurance for Commercial General Liability in the amount of \$1,000,000, Automobile Liability in the amount of \$1,000,000, and Workers' Compensation insurance issued by an insurer qualified to underwrite Workers' Compensation insurance in the State of Nevada, as required by law.
11. I acknowledge that if I do not provide the above submittals on or before the tenth business day after receipt of the Owner's written request for insurance; or do not keep the bonds or insurance policies in effect, or allow them to lapse during the performance of the Contract; I will pay over to the Owner the amount of \$1,200.00 per day as liquidated damages.
12. I confirm this bid is genuine and is not a sham or collusive, or made in the interest of, or on behalf of any person not herein named, nor that the Bidder in any manner sought to secure for themselves an advantage over any bidders.
13. I further propose and agree that if my bid is accepted, I will commence to perform the work called for by the contract documents on the date specified in the Notice to Proceed and I will complete all work within the calendar days **specified in the General Conditions.**
14. I further propose and agree that I will accept as full compensation for the work to be performed the price written in the Bid Schedule below.
15. I have carefully checked the figures below and the Owner will not be responsible for any error or omissions in the preparation or submission of this Bid.
16. I agree no verbal agreement or conversation with an officer, agent or employee of the Owner, either before or after the execution of the contract, shall affect or modify any of the terms or obligations of this Bid.
17. I am responsible to ascertain the number of addenda issued, and I hereby acknowledge receipt of the following addenda:

Addendum No. _____	dated, _____	Addendum No. _____	dated, _____
Addendum No. _____	dated, _____	Addendum No. _____	dated, _____
Addendum No. _____	dated, _____	Addendum No. _____	dated, _____
Addendum No. _____	dated, _____	Addendum No. _____	dated, _____
18. I agree to perform all work described in the drawings, specifications, and other documents for the amounts quoted below:
19. **I acknowledge that I have read the Administrative Notice to Proceed as specified in the General Conditions, and also in Specification Section 01 35 53 Security Procedures, and will comply with them.**

ITEM NUMBER	ITEM DESCRIPTION	LUMP SUM
1.	HOLLYWOOD BALLFIELD ENLARGEMENT AND LIGHTIN, AS SPECIFIED	\$
2.	CONSTRUCTION CONFLICTS ALLOWANCE	\$ 189,000.00
3.	PERMITS AND FEES BID ALLOWANCE	\$ 20,000.00
4.	DUST CONTROL, AS SPECIFIED	\$ 3,000.00
5.	STORMWATER POLLUTION, AS SPECIFIED	\$ 4,000.00
	TOTAL BASE BID	\$

ADDITIVE ALTERNATES		
<p>THE OWNER MAY EXERCISE THE FOLLOWING ITEMS IN SEQUENTIAL ORDER ONLY SUBJECT TO THE AVAILABILITY OF FUNDS. THE ADDITIVE ALTERNATE PRICES QUOTED SHALL REMAIN FIRM FOR THE PERIOD OF 90 CALENDAR DAYS, AS DETAILED IN THE INSTRUCTIONS TO BIDDERS.</p> <p>WHERE AN ADDITIVE ALTERNATE REQUIRES DELETING ALL OR A PORTION OF THE SPECIFIED ITEM AND ADDING OR SUBSTITUTING AN OPTIONAL ITEM, THE BID AMOUNT SUBMITTED FOR THE ADDITIVE ALTERNATE SHALL BE THE NET COST DIFFERENCE BETWEEN WHAT IS ADDED AND WHAT IS DELETED.</p>		
ALTERNATE	ITEM DESCRIPTION	TOTAL
1.	Provide LED Athletic Field Lighting to the two ball fields. Exterior Athletic Lighting – Light-Emitting Diode (LED) as specified in Section 26 56 66	\$

20. BUSINESS ENTERPRISE INFORMATION:

The Prime Contractor submitting this Bid is a MBE WBE PBE SBE VET DVET ESB as defined in the Instructions to Bidders.

21. BUSINESS ETHNICITY INFORMATION:

The Prime Contractor submitting the Bid Ethnicity is Caucasian (CX) African American (AA) Hispanic American (HA) Asian Pacific American (AX) Native American (NA) Other as defined in the Instructions to Bidders.

22. BIDDERS' PREFERENCE Is the Bidder claiming Bidders' Preference?

Yes If yes, the Bidder acknowledges that he/she is required to follow the requirements set forth in the Affidavit (Bid Attachment 3).

No I do not have a Certificate of Eligibility to receive preference in bidding.

23.

LEGAL NAME OF FIRM AS IT WOULD APPEAR IN CONTRACT

ADDRESS OF FIRM

CITY, STATE, ZIP CODE

TELEPHONE NUMBER

FAX NUMBER

NEVADA STATE CONTRACTORS' BOARD LICENSE INFORMATION:

I certify that the license(s) listed below will be the license(s) used to perform the majority of the work on this project.

LICENSE NUMBER: _____

LICENSE CLASS: _____

LICENSE LIMIT: _____

ONE TIME LICENSE LIMIT INCREASE \$ _____ IF YES, DATE REQUESTED _____

CLARK COUNTY BUSINESS LICENSE NO. _____

STATE OF NEVADA BUSINESS LICENSE NO. _____

AUTHORIZED REPRESENTATIVE
(PRINT OR TYPE)

E-MAIL ADDRESS

SIGNATURE OF AUTHORIZED REPRESENTATIVE

TODAY'S DATE

SECTION 01 35 53
SECURITY PROCEDURES (R1)

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Submittals
- B. Security Program
- C. Construction Security Fence
- D. Entry Control
- E. Clark County Security and Background Investigation Requirements
- F. Tool, Equipment and Material Control

1.02 SUBMITTALS

- A. Submit a detailed security plan outlining the Contractor's methods to control unauthorized entry to the Owner's building, and related construction areas.
- B. Submit shop drawings for construction security fence.
- C. Submit to the Owner a list of personnel by Name, Organization, and Trade assigned to the project

1.03 SECURITY PROGRAM

- A. At all times, conduct operations under the Contract Documents to avoid unauthorized entry and to avoid the risk of loss, theft, or damage by vandalism, sabotage, or other means to the Work or Owner's operations.
- B. At Project mobilization, initiate a security program to protect Work and Owner's operations from unauthorized entry or a risk of loss, theft, or damage to Contractor's property, Owner's property, and the Project Site. Security program must be approved by Owner.
- C. Promptly take all reasonable precautions that are necessary and adequate against any conditions that involve unauthorized entry or a risk of loss, theft, or damage to Contractor's property, Owner's property, and the Project Site.
- D. Continuously inspect Work, materials, equipment, and facilities to discover and determine any such conditions and be solely responsible for discovery, determination, and correction of any such condition.
- E. Cooperate with Owner on all security matters and promptly comply with any Project security requirements established by Owner. Such compliance with these security requirements shall not:
 - 1. Relieve Contractor of Contractor's responsibility for maintaining proper security for the above noted items.
 - 2. Be construed as limiting in any manner Contractor's obligation to undertake reasonable action as required to establish and maintain secure conditions at the Site.

- F. Prepare and maintain accurate reports of incidents of loss, theft, or vandalism and furnish these reports to Owner within 24 hours. No security trained dogs will be allowed as part of the Contractor's Security Measure for the project

PART 2 PRODUCTS

2.01 CONSTRUCTION SECURITY FENCE

- A. Provide perimeter fence around the construction site:
 - 1. Fence: Commercial grade 6-foot high chain-link panelized fence equipped with vehicle gates.
 - 2. Gates shall have locks.
 - 3. Contractor shall furnish shop drawings for approval before installing construction security fence.
 - 4. Chain link fence panels shall be supported with minimum 2'-0" long metal stakes.
 - 5. Sand bags shall not be used for construction security fence unless approved by Owner.

PART 3 EXECUTION

3.01 ENTRY CONTROL

- A. Install and maintain a perimeter fence around the construction site.
- B. Provide barriers to prevent unauthorized entry to construction areas and to protect existing facilities and adjacent properties from damage from construction operations.
- C. Protect non-owned vehicular traffic, stored materials, site, and structures from damage and theft.
- D. Employ a uniformed guard service to provide watchmen at site during non-working hours, through substantial completion. (Tier 1 – Watch Guard: For facilities that normally do not have County employees on duty or require public contact, but have assets such as parked vehicles that need to be protected.)
- E. Uniformed guard service shall be provided at project site during working and non-working hours as required to maintain security at areas where the Contractor's construction activities or operations have exposed the Owner's existing facility to possible unauthorized entry. Such an individual may be assigned the duties of access control at such a post until security is re-established by the Contractor to the satisfaction of the Owner. The uniformed guard service shall be provided whenever the security gate into the project site must be removed, until the gate has been properly re-installed and the site has been secured.

3.02 CLARK COUNTY SECURITY REQUIREMENTS

- A. Background Check Procedures
 - 1. All Contractors, Subcontractors and their personnel/employees required to access the site to perform work must submit to a thorough Clark County Background Investigation, which will be conducted by Clark County, and shall comply with this section.
 - 2. Each applicant must submit to Fingerprinting and provide their legal name, current address, date of birth and Social Security Number at the time of their scheduled appointment.
 - 3. Clark County will schedule fingerprinting appointments between the hours of 8:00 AM to 5:00 PM, Monday to Friday, excluding weekends and holidays. Owner will be processing the initial background checks at no processing cost to the Contractor or their Employees.
 - 4. Owner's approval process may take approximately six (6) to eight (8) weeks to produce results.
 - 5. Owner will notify the Contractor Representative when the background investigation is complete by informing the Contractor of Pass or Fail results. No specific reasons or justifications for the Pass or Fail determinations will be provided. A pass will result in

- granted access to the site and/or building as applicable. A fail will result in denied access to the property, site, and building.
6. No Contractor or Subcontractor employee with a felony conviction or gross misdemeanor will be granted access to the project site or building.
 7. Personnel with lesser offenses will be considered on a case-by-case basis.
 8. The Owner reserves the right to refuse access to any of the Contractor's, Subcontractor's or tiered subcontractor's personnel. The time related labor cost required to schedule, coordinate, and send personnel to their fingerprinting appointments shall be included in Contractors and/or Subcontractors bid. The Owner will not reimburse the Contractor for the travel time or personnel time used to attend the fingerprint appointments. Provided the scheduled applicant is on time, the average time a scheduled applicant will spend at this appointment is thirty (30) minutes.
 9. The Contractor shall designate a company representative whose duty is to effectively coordinate with the Owner and schedule properly sequenced fingerprint appointments.
 10. The Contractor shall sequence the scheduling of trade personnel to fingerprint appointments in accordance with the Contractor's work flow schedule. Persons requiring access to the project during the initial periods of construction will be processed first.
 11. Contractor will pay to the Owner (via deductive Change Order) an amount not to exceed \$50.00 for every missed and rescheduled appointment that failed to provide the Owner Representative or designee with forty-eight (48) hours advance notice in writing.
 12. The Contractor shall maintain onsite a current list of personnel the Owner has granted access to the project and property. This list must be made available to the Owner representative upon request.
 13. The initial background check approval is valid for one (1) year from the date the individual passed the background investigation. For projects that exceed one (1) year duration, the Contractor is responsible to coordinate with the Owner to renew the background investigation for personnel that must remain on the project. The time related labor cost for the renewal process shall be included with the Contractor's bid. Provided the scheduled applicant is on time, the average time a scheduled applicant will spend at this appointment is thirty (30) minutes.
 14. Contractor shall confine daily operations to areas identified on the project drawings, approved project schedules, or as otherwise deemed appropriate by the Owner.

B. Contractor Employee Badging Procedures

1. Every Contractor employee or its Subcontractor employees accessing the site shall be identifiable by the Owner at all times and in compliance with this section.
 - a. Only Employees that have passed the Clark County background investigation check will have access to the Project site unless written approval otherwise has been granted by the Owner Representative.
 - b. All Contractor employees granted access to the site by the Owner shall be wearing clothing or equipment such as Company uniform, T-Shirt with Company Logo, Hard hat with Company logo, safety vest with company logo **AND** a laminated Identification Badge furnished by the General Contractor.
 - c. If the project requires the use of a Clark County issued Cardkey badge, then all Contractor and Subcontractor Employees are required to properly display the badge on their person at all times when on project site. Lost badges must be reported immediately.
2. Contractor Generated Identification Badges
 - 1) The Contractor shall create and issue laminated project identification badges adhering to the following standards:
 - a) Size: 4"x4" minimum.
 - b) Font Type: 16 point Arial at 1.0 line spacing
 - c) Line 1. Project Name
 - d) Line 2. Project Number
 - e) Line 3. Contractor Name
 - f) Line 4. Subcontractor Name and Trade
 - g) Line 5. Employee Name and Craft
 - h) Line 6. Issued date and Expiration date.
 - i) Line 7. Contractor's Project Manager Name and Signature.
 - j) Sample Badge

Project Name:
Project Number:
Contractor Name:
Subcontractor/Trade:
Employee Name/Craft:
Issue Date/Exp. Date:
Contractor's P.M.
P.M.'s Signature:
Phone No.:

- 2) Color of badge shall be Green for Employees who have been granted Owner access to the County Project Facility and Site. Badge color will be determined by the scope of work individual employees are performing
- 3) Color of badge shall be Red for Employees who have been granted Owner access to the County Project Site only. Badge color will be determined by the scope of work the individual employees are performing
- 4) It is the Contractor's responsibility to ensure all employees who are no longer on Project site surrender their Identification badge to the Contractor. Clark County vendor badge shall be surrendered to the Owner.
- 5) Each Clark County Vendor access Cardkey badge will be programmed or deprogrammed for electronic card key devices at the Owner's sole discretion.
- 6) The Owner reserves the option to issue card key type badges to designated Project Managers, Superintendents, and Foreman only and on an as needed basis. These personnel will be required to escort all other authorized employees and/or subcontractors that have been issued Contractor issued identification badges to and from the secured work zone(s).
 1. Contractor will be subject to a fine of Fifty Dollars (\$ 50.00) per each violation and person in violation if the Owner observes a Contractor or Subcontractor employee(s) working on the project site/facility without proper identification. Fines will be assessed by a deductive change order.
- 7) The Contractor must report lost or stolen badges to the Owner immediately upon discovery.
- 8) Time related labor cost for employees attending badge appointments is to be included as part of the Contractor's bid. Provided the scheduled applicant is on time, the average time a scheduled applicant will spend at this appointment is thirty (30) minutes.
- 9) The Contractor shall be responsible to surrender all issued vendor cardkey identification badges prior to submitting an application for payment of retention, with a spreadsheet listing of ID badges issued to date.
- 10) The Project Superintendent and the Project Manager will receive immediate access to project related card key devices upon issuance of a form Notice to Proceed by the Owner and successful completion of the Background check investigation.

END OF SECTION

SECTION 02950

TREES, PLANTS, AND GROUND COVER

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Preparation of subsoil and topsoil.
- B. Topsoil bedding.
- C. Trees, plants, and ground cover.
- D. Mulch and fertilizer.
- E. Maintenance.

1.2 SUMMARY

- A. Related Sections: The requirements of this section supplement Section 01010 and shall apply to work for sections listed under Division 2, Section 02950 - Trees, Plants and Groundcover.
 - 1. Section 02251 - Infield Mix.
 - 2. Section 02811 - Landscape Irrigation.
 - 3. Section 02923 - Landscape Grading
 - 4. Section 02938 - Sodding

1.3 REFERENCES, STANDARDS AND COORDINATION

- A. "American Standard for Nursery Stock" (USA); Edition approved 1985 by American National Standards Institute, Inc. (ANSI - Z60.1)--plant materials.
- B. "Hortus Third", 1976; Cornell University--plant nomenclature.
- C. Arizona Nursery Association Recommended Tree Specification 1989 Standards.
- D. FS O-F-241 - Fertilizers, Mixed, Commercial.
- E. ASTM D 1777 - Geotextile Fabric.
- F. ASTM D 1682 - Geotextile Fabric.
- G. ASTM D 751 - Geotextile Fabric.

1.4 DEFINITIONS

- A. Weeds: Includes Dandelion, Jimsonweed, Quackgrass, Horsetail, Morning Glory, Rush Grass, Mustard, Lambsquarter, Chickweed, Cress, Crabgrass, Canadian Thistle, Nutgrass, Poison Oak, Blackberry, Tansy Ragwort, Bermuda Grass, Johnson Grass, Poison Ivy, Nut Sedge, Nimble Will, Bindweed, Bent Grass, Wild Garlic, Perennial Sorrel, and Brome Grass.

- B. Plants: Living trees, plants, and ground cover specified in this Section, and described in ANSI Z60.1 and Hortus Third.

1.5 OPERATION AND MAINTENANCE DATA

- A. Submit instructions for continuing Owner maintenance under provisions of Section 01700.

1.6 PERFORMANCE

- A. Provide the labor, materials, equipment, plant, services and transportation, and perform the operations in connection with the construction and installation of the work. Work shall be as herein specified and as denoted on the accompanying drawings.

- B. All landscape contractors that bid the landscape portion of this project must submit to the Architect for approval, their proven abilities to perform the work required as in the specifications and drawing. Proven ability to grow and maintain Bermuda grass during the appropriate seasons. All grasses must have a 98 percent coverage with equal heights and thickness.

- C. The installing contractor shall have a minimum of seven (7) years experience with similar project size and cost.

- D. The contractor must provide the following information to be approved as a qualified bidder. All references must have current addresses and phone numbers.

1. Proven ability to manage and schedule the landscape planting, irrigation work, water audit, and related work that impacts the landscape completion date.
2. Proven ability to complete the work on time and within budget.
3. Proven ability to schedule and obtain the specified plant types and sizes during all seasons.
4. Proven ability to follow and understand the drawings and specifications.
5. Proven to grade large grass areas with the appropriate material and correct depths so that the finish grades are true and even.
6. Proven ability to grow Bermuda grass and Rye grass from seed during the appropriate seasons. All grasses must have a 98 percent coverage with equal heights and thickness.
7. Proven ability to complete the work that has been specified with required mock-ups.
8. Proven ability to complete the punchlist work in the required time period.
9. Proven ability to provide proper maintenance and care of the project prior to the substantial completion date and during the maintenance period.

1.7 QUALITY ASSURANCE

- A. Submit fill material samples under provisions of Section 01300.
- B. Submit a minimum of one 10 pound random composite sample of imported topsoil for every 100 cubic yards of fill to testing laboratory, in clean containers. Testing to be

performed by an independent testing lab for complete agronomy testing and fertilizer recommendation. Verification will be mandated to prove that the material on-site is the same as the material used for the soil test presented and approved with the submittal package.

- C. The Landscape Architect reserves the right to inspect plant materials at the nursery or growing ground prior to loading and transporting and/or by photographs. Tag all trees and representative samples of shrubs and ground cover prior to the inspection and arrange with the Landscape Architect ten (5) days in advance for the inspection. Such approval shall not impair the right of inspection and rejection during progress of the work.
- D. Comply with federal, state and local laws requiring inspection for plant disease and infestations. Inspection certificates required by state law shall accompany each shipment of plants and deliver certificates to the Owner. Inspections are to be performed in the state of origin.
- E. Transport plant materials in enclosed or tarped vehicles to minimize damage from wind and sun. Contractor is to be carefully inspected by the Landscape Architect at the site at the time of off-loading trucks to verify compliance with the above shipping requirements.
- F. Substitutions of plant materials will not be permitted unless authorized in writing by Landscape Architect. If proof is submitted that plant specified is not obtainable, a proposal will be considered for use of the nearest equivalent size or variety with corresponding adjustment of Contract Price.
- G. Personnel: Employ only qualified personnel familiar with required work.
- H. Nursery: Company specializing in growing and cultivating the plants specified in this Section with minimum three years documented experience.
- I. Installer: Nevada Licensed Contractor specializing in installing and planting the plants specified in this section.

1.8 SUBMITTALS

- A. File Certificates of Inspection of plant materials by County, State and Federal authorities with Architect and Landscape Architect, if required. All plants are to have a Certificate of Origin.
- B. Submit soil sample and soils test.
- C. Submit within (60) sixty days after Notice to Proceed a completed list of materials to be furnished and source noting tree trunk caliper sized for each tree under this Section. Landscape Architect reserves the right to approve or reject materials, suppliers and subcontractors.
- D. Submit instructions to the Architect for continuing maintenance under provisions of Sections 01300.

1.9 REGULATORY REQUIREMENTS

- A. Comply with regulatory requirements for fertilizer and herbicide composition.

1.10 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Preparation:
 - 1. Spray evergreen plants and deciduous plants in full leaf with anti-desiccant immediately prior to shipment when temperatures in Las Vegas are over 98_.

- B. Delivery:
1. Deliver packaged material in sealed waterproof bags or containers showing weight, analysis and name of manufacturer. Protect materials from deterioration during delivery and while stored at site.
 2. Deliver only plant materials that can be planted in one day unless adequate storage and watering facilities are available on project site.
 3. Notify Landscape Architect of delivery schedule a minimum of 48 hours in advance so plant material can be inspected prior to unloading from trucks.
 4. Remove rejected materials immediately from site.
 5. Do not lift, move, adjust to plumb, or otherwise manipulate plants by trunk or stems. Keep plants moist.
 6. Spray additional anti-desiccant after trees have arrived when temperature are over 100 degrees and winds exceed 20 miles per hour. This includes plants that have been installed and the temperature has increased causing stress to the plant.

1.11 ENVIRONMENTAL REQUIREMENTS

- A. Do not install plant life when ambient temperatures may drop to below 35 degrees F or above 105 degrees F.
- B. Do not install plants when wind velocity exceeds 25 mph.

1.12 SEQUENCING AND SCHEDULING

- A. Coordinate the work of this Section with installation of underground irrigation system, utilities, piping and watering heads.
- B. Protection:
1. Do not move equipment over existing or newly placed structures without approval of Site Superintendent.
 2. Provide board-roading as required to protect paving.
 3. Protect other improvements from damage with protection boards, ramps and protective sheeting.
- C. Utilities:
1. Determine location of underground utilities and perform work in a manner which will avoid possible damage. Hand excavate, if required, to minimize possibility of damage to underground utilities. Repair and replace immediately at Contractor's expense utilities, conduits, etc. that are damaged as a result of Contractor's work. Call before you dig.
 2. Coordinate work with irrigation contractor to prevent damage to underground irrigation system.

1.13 WARRANTY

- A. Provide a warranty on work of this Section for a minimum 120 day period. Commence

warranty on date identified in the Certificate of Substantial Completion for landscape areas. Replace dead or dying material not in a vigorous, thriving condition as soon as weather permits and on notification by Landscape Architect. Replace plants which in the opinion of the Landscape Architect have partially died thereby damaging shape, size, and uniformity. Newly planted trees to be tagged with a waterproof tag with new warranty date (date of new installation.)

- B. Replacements: Plants of same size and species as specified, with a new warranty commencing on date of replacement.
 - 1. Replace plant if over 1/4 of original foliage is dead or removed.
 - 2. All plantings or replacement planting must be completed before Substantial Completion.

1.14 MAINTENANCE SERVICE

- A. Maintain plant life immediately after placement until plants are well established and exhibit a vigorous growing condition. Continue maintenance until termination of warranty period.
- B. Maintenance to include:
 - 1. Cultivation and weeding plant beds and tree pits.
 - 2. Application of herbicides for weed control in accordance with manufacturer's instructions. Remedy damage resulting from use of herbicides.
 - 3. Supply individual school a schedule of pesticides, herbicide, pre-emergent and fertilizing application at least seven (7) days before chemical treatment of all pesticide and weed problems and fertilizing. This to conform to the Clark County School District's policy and regulations concerning the "Right to Know."
 - 4. Application of pesticides in accordance with manufacturer's instructions. Remedy damage from use of pesticides.
 - 5. Irrigating sufficient to saturate root system. (Adjust watering for current weather conditions and season).
 - 6. Trimming and pruning, including removal of clippings and dead or broken branches, and treatment of pruned areas or other wounds work to be performed by a certified arborist.
 - 7. Disease control.
 - 8. Maintaining adjusting tree, guys, and stakes, repair or replace accessories when required.
 - 9. All plantings should be deep-fed twice with Gro power liquid 4-8-2 during the maintenance period, conforming to manufacturer's recommendations and specifications/rates. Submit in writing dates and material used.
 - 10. Two applications of pre-emergent during the maintenance period. Submit in writing amounts used and dates applied on a monthly basis. Applications are to be 60 days apart.
 - 11. Apply post-emergent herbicides to control all weed growth on a monthly basis if during dormant season guarantee that all weeds have been terminated for 8 months.

12. Cleaning and removal of debris in landscape areas.
13. Erosion control of all planting and grass areas. Clean and repair all damaged areas.

PART 2 PRODUCTS

2.1 TREES, PLANTS, AND GROUND COVER

- A. Trees, Plants, and Ground Cover: Species and size identifiable in plant schedule, grown in climatic conditions similar to those in locality of the Work. At least 10% of all plant varieties to have nursery identification tags attached.
- B. Plants to be in compliance with the "Arizona Nursery Association Recommended Tree Specification" (1989) standards. If plant is not on that list then it will be in compliance with the "USA Standard for Nursery Stock" current edition and/or Hortus Third.
- C. Plants shall be sound, healthy and vigorous, well branched and densely foliated when in leaf. They shall be free of disease, insect pests, eggs or larvae and shall have healthy, well developed root systems. They shall be free from physical damage or adverse conditions that would prevent thriving growth. Soil in the containers shall be free of disease and pathogens.
- D. Plants shall be true to species and variety and shall conform to measurements specified, except that plants larger than specified may be used if approved by Landscape Architect. Use of such plants shall not increase Contract price. If larger plants are approved, the ball of earth shall be increased in proportion to the size of the plant. Plants shall be measured when branches are in their normal position. Height and spread dimensions specified refer to main body of plant and not branch tip to tip. Caliper measurement shall be taken at a point on the trunk 6" above natural ground line for trees up to 4" in caliper and at a point 12" above the natural ground line for trees over 4" in caliper. If a range of size is given, no plant shall be less than the minimum size and not less than 40% of the plants shall be as large as the maximum size specified. The measurements specified are the minimum size acceptable and are the measurements after pruning, where pruning is required. Plants that meet the measurements specified, but do not possess a normal balance between height and spread, shall be rejected.
- E. Container stock shall have grown in the containers in which delivered for at least six months, but not over two years. Samples must prove that no root bound conditions exist. No container plants that have cracked or broken balls of earth when taken from container shall be planted except upon special approval by Landscape Architect.
- F. Plants shall not be pruned before delivery. Trees which have damaged or crooked leaders, or multiple leaders, unless specified, will be rejected. Trees with abrasions of the bark, sun scald, disfiguring knots, or fresh cuts of limbs over 3/4" which have not completely calloused, will be rejected.
- G. Trees are to be selected according to caliper size not box size.

2.2 SOIL AND AMENDMENT MATERIALS

- A. Agriform preplant 21 gram: One per 1 gallon plants, three per gallon 5 gallon plants, five per 15 gallon plants (10) per 24" box, (15) per 36" box, (20) per 48" box, (25) per 54" box and 10 per palm installed as per manufacturer's recommendation.
- B. Nutri Mulch: Shredded, loose, free of lumps, roots, inorganic material or acidic materials.

- C. Water: Clean, fresh and free of substances or matter which could inhibit vigorous growth of plants.

2.3 SOILS

- A. Fill Material: Contractor is required to process fill material to remove all rocks, etc. over 2" in diameter prior to placement. No rocks larger than 2" in diameter are allowed as fill. Fill material is to have excellent porcolation.
- B. Remove and dispose of rocks removed during soil processing at an appropriate off-site dumping area.
- C. Topsoil, sandy/loamy texture with no gravel particles. See Section 02923, Landscape Grading.

2.4 MULCH MATERIALS

- A. See plans for size and type.

2.5 DRAIN GRAVEL: 1/2" washed gravel.

2.6 STAKING MATERIALS:

- A. Tree Stakes: All stakes are to be Lodgepole pine with 10 inch tapered driving point and chamfered top; treated with copper naphthanate or pentachlorophenol to heartwood; green in color, 2 inches in diameter x 8 feet in length for 15 gallon trees and 2 inches in diameter x 10 feet in length for 24" box trees or greater. If tree is staked, 24" of stake is to be driven into soil. Staking shall be by industry standards. Do not stake into root ball areas.
- B. All tree ties for staking to be done with "V.I.T." poly spring tree brace or approved equal according to manufacturer's specifications. Attach V.I.T. to poles as per manufacturer's recommendation. Nursery tape or rope will not be considered an adequate substitute.
- C. Multi-trunk tree ties to be staked with three or more lodge pole pine stakes in a triangular configuration with the branches attached to a spring tie (or equal) and stakes. Wiring to be secured to poles with galvanized staples. Spacing of poles may vary upon individual tree needs.
- D. Contractor to coordinate with Landscape Architect to choose which trees are standard and which are multi-trunked for approval.
- E. 36" box trees and large provide guying if needed, see detail on drawings.
- F. If the tree is stable enough staking will not be required, if conditions change the contractor is to provide the required staking to stabilize and protect the tree from the seasonal winds.

2.7 ANTI-DESICCANT

- A. Anti-desiccants for retarding excessive loss of plant moisture and inhibiting wilt shall be sprayable, water insoluble vinyl-vinyledine complex which will produce a moisture retarding barrier not removable by water. Wilt-proof Formula NCF as manufactured by Nursery Specialty Products, Greenwich, Connecticut, or approved equal.

2.8 GEOTEXTILE FABRIC: Shall conform to the following standards:

- A. Weight: ASTM D 1777 (4.3 oz/yd²)
- B. Grab Strength: ASTM D 1682
- C. Puncture: ASTM D 751
- D. Flow Rate: Falling Head Test (120 gpm/ft²)

2.9 SOURCE QUALITY CONTROL

- A. Provide inspection for verifying acceptability of plants prior to planting.
- B. Nutri-Mulch: When left in large piles and in windy conditions, the piles are to be tarped and secured to the ground with stakes.

2.10 TESTS

- A. Submit soils reports of imported soils.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that prepared subsoil and planters are ready to receive work of this section.
- B. Saturate soil with water to test drainage.
- C. Verify that required underground utilities are available, in proper location and ready for use.
- D. Beginning of installation means acceptance of existing conditions.
- E. Irrigation: Do not commence planting work prior to installation and acceptance of irrigation system, unless approved by Landscape Architect.

3.2 PREPARATION OF SUBSOIL

- A. Prepare subsoil to eliminate uneven areas. Maintain profiles and contours. Make changes in grade gradual. Blend slopes into level areas.
- B. Remove foreign materials, weeds, and undesirable plants and their roots. Remove contaminated subsoil.
- C. Dig pits and beds as per planting details.
- D. Remove soil from courtyards and add amended soils.
- E. Layout and Staking: Layout plants at locations shown on Drawings. Use steel wired flags, color coded for each species of plants. Stake each tree. Place shrubs in position on bed areas before cans have been removed.
- F. Review: Locations of plants will be checked in the field by Landscape Architect and will be adjusted to exact position before planting begins. Right is reserved to refuse review at this time if, in the opinion of the Landscape Architect, a sufficient quantity of plants is not available. Landscape Architect reserves the right to interchange or adjust the locations of plants prior to planting.

- G. Equipment for Digging Plant Pits: Use backhoe or hand work to dig tree pits. Sides of the tree pit are to be sloped after excavation (see planting detail formula). Do not use an auger or tree spade.
- H. Containerized Plant Pits: Excavate square plant pits as shown in the planting details. Remove excavated soil from project site and/or dispose of as directed by Landscape Architect.
- I. Verify that planter walls have been waterproofed prior to installing soil mix.

3.3

PLANTING

- A. Planting schedule: See plant list on planting plan.
- B. Place plants for best appearance for review and final orientation by Landscape Architect.
- C. Set plants vertical and flush to finish grade. Do not install soil on top of the root ball. The root ball is to be flush with finish grade.
- D. Top dress with (1) one inch of decomposed granite above the root ball area. Provide 2 inch depth elsewhere.

Remove all root containers. All containers are to be cut with cutter on 2 sides to remove plant. Support root ball during installation to prevent cracking.

- E. Pry off bottom boards of boxed trees rather than hammering boards off. Boxed plants may not be planted with the sides of the box in place. In special situations Palo Verde trees are to have the bottom portion of the box left when planted.
- F. Set plants in pits of beds, partly filled with prepared soil mixture. Remove burlap, ropes, and wires from the root ball. Scarify root ball before planting.
- G. Saturate soil with water when the pit or bed is half full of soil mix and again when full. Install Aeriform tablets when hole is 2/3 full.

H. Backfill:

1. Mix to consist of (3) parts Nutri-Mulch, (2) parts imported topsoil and (2) parts native soil. Do not add additional soil above the root ball. Add to and mix into this, soil sulfur according to following rate per plant container size:
For Palo Verdi trees use only (1) part Nutri-Mulch (2) parts import and (2) parts native soil.

1 gallon = 1/4 cup
5 gallon = 1 cup
15 gallon = 2 cups
24" box = 3 cups
36" box = 4 cups
48" box = 5 cups
54" box = 8 cups

2. Courtyard plantings use (1) part topsoil and (1) part Nutri Mulch. 28 inch depth minimum. Water settle prior to planting. Courtyard planting are to include all raised and ground level planters/planting beds within the building envelope and raised retaining planters adjacent to the building. All existing soil needs to be excavated 30 inches below the concrete walkways to accommodate the 28 inches

of topsoil and Nutri-Mulch.

- I. Watering Basin: Form saucer with 3" high by 6" wide berm centered around tree and shrub pit 12" wider than root ball diameter. Do not form saucer around tree in lawn area.
- J. For trees in lawn areas, keep a 2' diameter circle centered on the tree trunk free of turf and weeds. Use a precise template covering the areas outside of the 2' circle in applying herbicide to ensure a crisp shape without overspray die back. Maintain 2' diameter grass by filling in with 1 inch diameter bark mulch 2 inch depth.
- K. When pruning, the Contractor is not to prune more than 1/5 of the canopy off newly planted trees. Contractor to complete before Substantial Completion but after all planting is complete.

3.4 INSTALLATION OF ACCESSORIES

- A. A non-selective pre-emergent appropriate for the season(s) shall be applied to all shrub beds as per manufacturer's recommendations. Avoid application to any areas to be seeded. Acceptable products are:

Ronstar, Devinol WP40 and Servlan or approved equal.

- B. Decomposed granite/crushed rock or bark mulch. Granite/bark mulch shall not be placed until the required water distribution systems and planting operations have been completed within the area.
- C. The surfaces upon which decomposed granite or crushed rock/bark mulch is to placed shall be graded and compacted to a density of 85 to 90 percent of the maximum density. Areas which shall not be compacted will be designated by the Landscape Architect. The areas on which mulch is to be placed shall be reasonably smooth and firm and all deleterious material. Rocks larger than 1-1/4 inches in diameter shall be removed and disposed of by the contractor.
- D. Decomposed granite or crushed rock/bark mulch shall be evenly distributed over the designated areas. The depth of the decomposed granite or granite mulch shall be at least the minimum depth shown on the project plans. All areas to receive mulch shall be as approved by the Landscape Architect prior to placement of the mulch.
- E. The contractor shall apply two applications of an approved pre-emergent herbicide on all mulch areas, one before and one following placement of the mulch.
- F. The contractor shall notify the Landscape Architect and obtain prior approval for the use of any herbicides for weed eradication. He shall keep a record of all applications; and the date and location of such applications. A copy of this record shall be submitted to the Landscape Architect.
- G. After placing, spreading and grading the mulch, the contractor shall water settle the total thickness of the mulch, removing the fine material from the surface, and activate the pre-emergent materials.
- H. Any erosion which occurs within the mulch areas shall be corrected by the Contractor prior to final acceptance.
- I. Contractor is to make one additional pre-emergent application one week prior to substantial completion. It is the Contractor's responsibility to select the correct pre-emergent for the season being applied.

- J. Decomposed Granite is to have a 2 inch depth throughout all planting beds. When installing above the root balls, provide 1/2 inch depth. Bark mulch shall be 2 inch depth above the root ball.
- K. Pre-emergent is to be applied to all planting areas every sixty days and (2) two times during the 120 day maintenance period. If the maintenance period extends beyond the 120 day period provide one additional application prior to the maintenance ending.
 - 1. First application 60 days into the maintenance period.
 - 2. Second application one week prior to turning ball field back over to Owner.
 - 3. Submit dates and amounts used when applications are made.
 - 4. Apply water on all planting bed and crushed rock areas after pre-emergents have been applied.

3.5 CLEAN UP

- A. During course of planting, excess and waste materials shall be continuously and promptly removed, and all reasonable precautions taken to avoid damage to plants and existing vegetation. Walks, drives and paving shall be kept clean and clear from debris, materials and equipment, as much as possible.
- B. When planting is complete in any one area, the area shall be cleared of all debris, rubbish, excess backfill mix, and waste materials. Upon completion of entire work and before Final Inspection, all debris, rubbish, topsoil, and waster materials shall be removed from site, all areas of exposed soil raked smooth, and all paving to be swept and cleaned. Remove soil or other materials from site amenities.

3.6 INSPECTION

- A. Installation work is subject to inspection at any time during work for compliance with specified Materials and installation requirements by the Owner's Representative & Landscape Architect. Any method of installation utilizing materials not in conformance with the construction documents will be reinstalled, repaired, or moved to the satisfaction of the Owner's Representative & Landscape Architect and no cost to the Owner.
- B. Formal inspections will be conducted at the Owner's written request by the OWNER'S Representative & Landscape Architect at the following intervals:
 - 1. Irrigation piping, connections to water source & equipment, etc.
 - 2. Inspection upon delivery of plant materials.
 - 3. Inspection of layout of planting pits.
 - 4. Inspection of excavated planting pits.
 - 5. Inspection of plant and substantial decomposed granite installation work.
 - 6. Substantial Completion Walk-Thru Punchlist.
 - 7. Walk-thru for Landscape Warranty/Maintenance Period.
 - 8. Final Acceptance Walk-Thru.

3.7 WALK-THRU

- A. Walk-thru for Substantial Completion Punchlist:
 - 1. Arrange for Landscape Architect's presence, a minimum notice of 48 Hours is required. The contractor is required to turn over all required equipment and supplies (provide in writing all material quantities and manufacture names) to the

Owner. Keys to open and operate controller and accessories will be required.

2. Entire landscape shall be installed as per planting plans. Any deviations or inadequacies due to field conditions shall have been corrected prior to walk-thru.
3. Landscape Architect shall generate a punchlist of items to be corrected prior to commencement of Landscape Warranty/Maintenance Period. Contractor shall complete all items.
4. Inspection includes all planting, turf and irrigation areas.
5. Open all valve boxes for review - valves that have been buried under the areas are to be reviewed prior to Seeding or Sodding.

B. Walk-thru for Landscape Warranty/Maintenance Period:

1. Arrange for Owner's Representative & Landscape Architect's presence, a minimum notice of 48 hours is required.
2. Contractor shall demonstrate that all items which are deficient or incorrect have been corrected for this walk-thru. Items deemed not acceptable by OWNER'S Representative & Landscape Architect shall be revoked or replaced to complete satisfaction of representative.
3. If items identified on the final walk-thru list are not completed properly prior to the starting of the Warranty Maintenance Period, the Contractor shall be charged for time spent for all subsequent walk-thrus. Funds will be withheld from final payment and/or retainage to Contractor, in amount equal to additional time and expenses incurred by Owner's Representative & Landscape Architect to conduct and document further walk-thru as deemed necessary to ensure compliance with Contract Documents.
4. Upon satisfaction of the above, the Owner's Representative & Landscape Architect will issue a written notice that the Landscape Warranty/Maintenance Periods shall begin.
5. Plants shall be kept in a healthy, growing condition by watering, pruning, spraying, weeding, and any other necessary operation of maintenance. Any plants that die during the Landscape Warranty/Maintenance Period, for whatever reason, will be replaced by the Contractor at no cost to the Owner. All replacement plants must be inspected and approved by the Owner's Representative & Landscape Architect prior to installation.
 - a. All planting and irrigation areas shall be inspected at least twice per week by the Contractor during the Warranty/Maintenance Period.
 - b. Submit a report of each site visit and activities performed to the Landscape Architect.
6. The control of weeds shall be accomplished either by the use of herbicides or manual means. The types of herbicides to be used and the methods of application shall confirm with the Environmental Protection Agency Policies. The Contractor shall keep a record of all applications, listing the type of herbicides used, the rate and method of applications, and the date and locations of the applications. A copy of this record shall be submitted to the Owner's Representative & Landscape Architect every month with the pay request submittal.

7. Repeat pre-emergent treatment, at a minimum of every (60) days in all planting beds and one week prior to the end of the Landscape Warranty/Maintenance Period. Additional pre-emergent applications will be required if the landscape maintenance is extended beyond the 120 day requirement.
8. Landscape areas shall be kept free of all debris at all times.
9. Contractor shall repair any and all eroded areas by infilling with topsoil or crushed rock. Any unusual contributing factors shall be reported immediately to the Owner's Representative and Landscape Architect.
10. Warranty/Maintenance is for all landscape areas and materials.

3.8

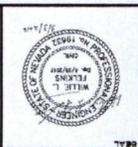
FINAL ACCEPTANCE

- A. At the end of the Landscape Warranty/Maintenance period, the Landscape Architect will make an inspection. If all work provided for in the contract is found complete and in accordance with the construction documents, this inspection will constitute the final inspection and close-out. The Owner's Representative & Landscape Architect will notify the Contractor in writing of this acceptance.
- B. If the Inspection reveals any unsatisfactory work, the Contractor will replace the work until it is accepted by the Owner's Representative & Landscape Architect. Additional inspections to review compliance will be billed to the contractor by the Owner's Representative & Landscape Architect.
- C. Retention monies will not be released until Final Acceptance of the work by the Owner's Representative & Landscape Architect.

END OF SECTION

REVISED BY DATE
 F.S. 3/31/16

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 ENGINEERS & SURVEYORS
 1565 S. RAINBOW BLVD.
 LAS VEGAS, NV 89148
 T: 702.804.2000
 F: 702.804.2299
 gcvengineering.com



APPROVAL LOG
 DATE: _____
 SCALE: _____
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 AS SHOWN
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CLARK COUNTY
 DEPARTMENT OF REAL
 PROPERTY MANAGEMENT
 100 S GRAND CENTRAL PARKWAY
 (702) 455-4977

HOLLYWOOD RESIDUAL PARK
 BLUEFIELD LIGHTING & LIGHTING
 LAS VEGAS, NV
 CONSTRUCTION AND
 STORM DRAIN PLAN

SHEET
C3.01
 SHT 7 OF 24

- CONSTRUCTION NOTES**
1. INSTALL 48-HIGH CHAIN LINK FENCE (URDGCA STD. DIM. NO. 252)
 2. INSTALL 14-HIGH CHAIN LINK FENCE (FOR MANUFACTURE RECOMMENDATIONS)
 3. INSTALL CHAIN LINK GATE (DRAFT MESSUDGCA STD. DIM. NO. 253)
 4. SPORT FELD LIGHTING (SEE SHEETS E101 - E401)
 5. TURF AREA (SEE LANDSCAPING PLANS)
 6. INFIELD AREA (SEE LANDSCAPING PLANS)
 7. INSTALL HOME PLATE (HIGH SCHOOL STANDARDS)
 8. INSTALL BASES (HIGH SCHOOL STANDARDS)
 9. INSTALL FITTING RUBBER (HIGH SCHOOL STANDARD)
 10. SCAFOUT & MATCH EXISTING
 11. CONSTRUCT 2500 CURB (SEE DETAIL B, SHEET C3.04)
 12. INSTALL 18-HIGH ROP STORM DRAIN
 13. CONTRACT NOT TO BE 2 (800) INLET (NOT STD. PLAN R-2.1, SHEET C3.03)
 14. CONTRACT NOT TO BE 2 (800) INLET W/ CONCRETE APPROX. 12" DEPTH
 15. CONSTRUCT STORM DRAIN MANHOLE 4' STEPS (URDGCA STD. DIM. NO. 401 & 404)
 16. INSTALL RIPRAP @ 200 = 6", THICKNESS = 12"
 17. INSTALL NOT ROP END SECTION (NOT STD. PLAN R-2.1, SHEET C3.03)
 18. REMOVE AND SALVAGE CHAIN-LINK FENCE
 19. REMOVE AND REPLACE CONCRETE SURFACE (MATCH EXISTING OPENING)
 20. REMOVE "TIE" AND REPLACE WITH "TIE" (SEE "TIE" CONNECTIONS)
 21. REMOVE RIPRAP
 22. REMOVE SHIP INLET
 23. REMOVE 18" ROP
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- REMOVAL NOTES**
1. REMOVE AND SALVAGE CHAIN-LINK FENCE
 2. REMOVE AND REPLACE CONCRETE SURFACE (MATCH EXISTING OPENING)
 3. REMOVE "TIE" AND REPLACE WITH "TIE" (SEE "TIE" CONNECTIONS)
 4. REMOVE RIPRAP
 5. REMOVE SHIP INLET
 6. REMOVE 18" ROP
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APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
 DATE: _____
 PROJECT # 156500

BENCHMARK
 CLARK COUNTY METRIC CONTROL POINT 5425.3655, BEING A BENCH AND CORNER OF SANGRIA AVE. AND HOLLYWOOD BL. NEAR THE PC OF HOLLYWOOD
 ELEVATION = 1204.48 (FEET)
 320582 METERS
 CLARK COUNTY METRIC CONTROL POINT 5425.3655, BEING A BENCH AND CORNER OF SANGRIA AVE. AND HOLLYWOOD BL. NEAR THE PC OF HOLLYWOOD
 ELEVATION = 1204.48 (FEET)
 320582 METERS

BASIS OF BEARING
 NORTH SPOUT OF LAST BEING THE BEARING OF THE CENTERLINE OF HOLLYWOOD
 CLARK COUNTY METRIC CONTROL POINT 5425.3655, BEING A BENCH AND CORNER OF SANGRIA AVE. AND HOLLYWOOD BL. NEAR THE PC OF HOLLYWOOD
 ELEVATION = 1204.48 (FEET)
 320582 METERS

LEGEND

- TURF AREA (SEE LANDSCAPING PLANS)
- INFIELD BERT (SEE LANDSCAPING PLANS)
- RIPPRAP @ 200 = 6", THICKNESS = 12"
- RETAINING WALL
- 3" FILL (SEE LANDSCAPING NOTES)
- 3" FILL (SEE LANDSCAPING NOTES)

FLOOD ZONE NOTE: UNDEVELOPED ZONED UNDEVELOPED 18, 2011 FLOOD PANELS SHOW THAT THE PROJECT IS LOCATED WITHIN A FLOOD ZONE. ANY AND ALL WORK WITHIN A FLOOD ZONE SHALL BE IN ACCORDANCE WITH THE 500-YEAR FLOOD ZONE. IT IS ADVISED AS BEING OUTSIDE THE 500-YEAR FLOOD ZONE.

FAST
 Call before you dig
 1-800-485-5800
 1-800-485-5800
 1-800-485-5800

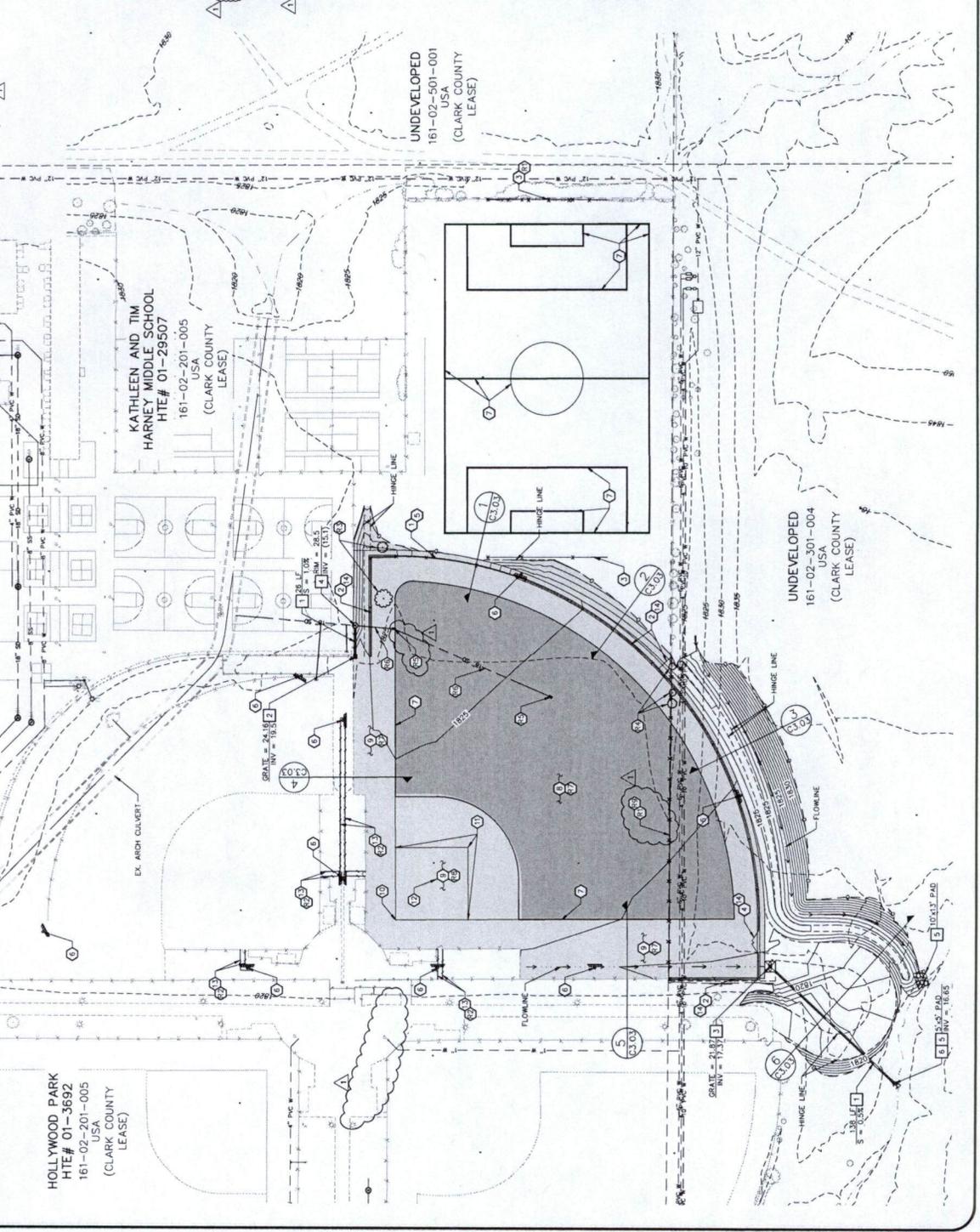
Call
 1-800-277-9300

Call
 1-800-277-9300

KEY MAP

EARTHWORK QUANTITIES

NOTE: THESE QUANTITIES ARE APPROXIMATE AND ARE FOR VOLUMES ONLY. THEY HAVE NOT BEEN VERIFIED BY FIELD MEASUREMENTS. CONTRACTOR SHALL VERIFY AND REPORT INTO ACCURATE QUANTITIES ARE TO BE REPORTED TO THE OWNER. THE BEARING OF ALL EXCESS MATERIALS MUST BE DONE IN ACCORDANCE WITH THE 500-YEAR FLOOD ZONE. CONTRACTOR IS RESPONSIBLE FOR PROPERTY MANAGEMENT IN ACCORDANCE WITH RM REQUIREMENTS.
 DATE: 1/30/16
 DWT: 1/30/16



HOLLYWOOD PARK
 HITE# 01-3692
 161-02-201-005
 USA
 (CLARK COUNTY LEASE)

KATHLEEN AND TIM HARNEY MIDDLE SCHOOL
 HITE# 01-29507
 161-02-201-005
 USA
 (CLARK COUNTY LEASE)

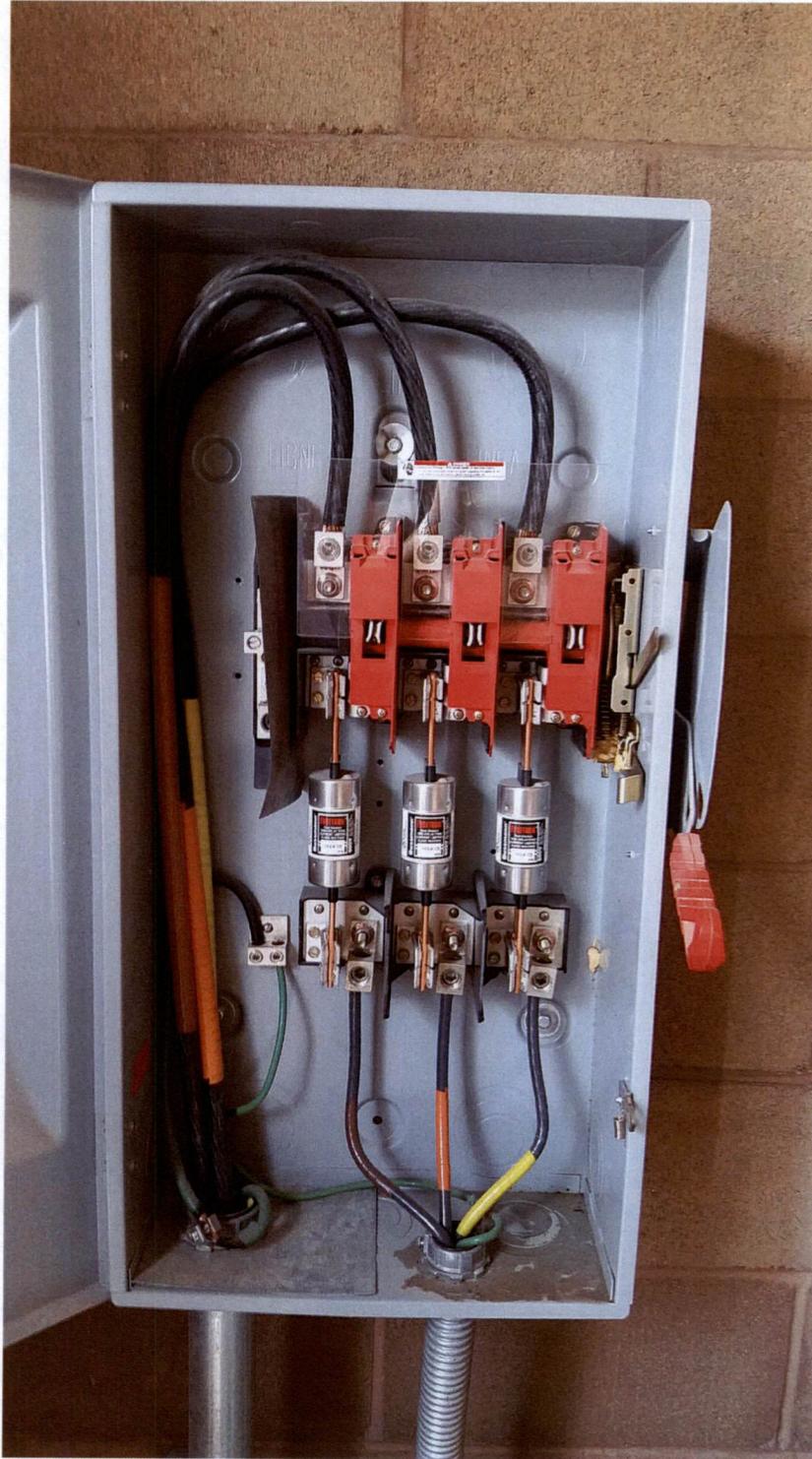
UNDEVELOPED
 161-02-501-001
 USA
 (CLARK COUNTY LEASE)

UNDEVELOPED
 161-02-301-004
 USA
 (CLARK COUNTY LEASE)



HOLLYWOOD REGIONAL PARK
BALLFIELD ELECTRICAL ROOM MAIN

GCV 1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
ENGINEERS \ SURVEYORS gcwengineering.com



HOLLYWOOD REGIONAL PARK
BALLFIELD ELECTRICAL ROOM MAIN - 2

GCV
ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com



HOLLYWOOD REGIONAL PARK
BALLFIELD ELECTRICAL ROOM PANEL L9

GCVI' 1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
ENGINEERS \ SURVEYORS gcwengineering.com

106/09
0.

PANEL L-9

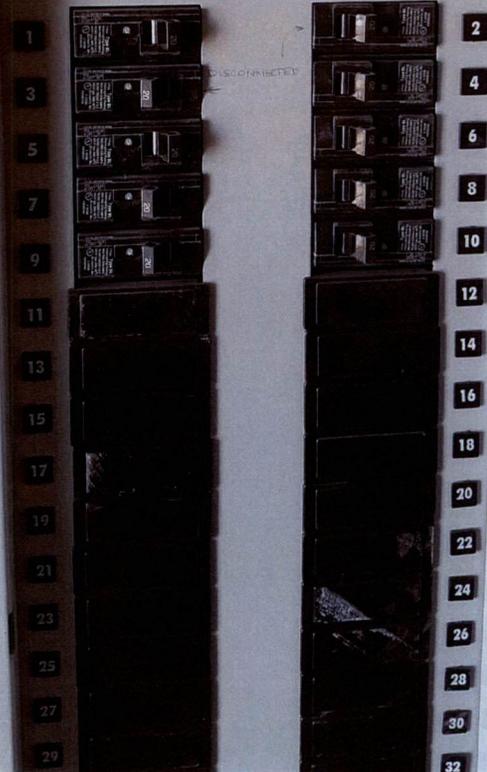
SIEMENS		
Panel Type	System	Provisions are for 250-amp circuit breakers R, E, F, H, E, L, A
P1	200/1100 3 Ph 4	
250 Amps Max		Minimum 250 (3) feet behind or left-hand side to the panel, 20" R.A. 10" W. 10" H.
Use Main Service as indicated		
Siemens Energy & Automation, Inc. Atlanta, GA USA		USA 100001000
For emergency contact call 1.800.241.4413		

Catalog Number
P104292200475
Sales Order Number
00-29483
Customer Marking
LS
Item Number
800010
Location
C
Date
04/06/03

Field conditions may be altered for 200 or 250 Amp or 4L unless noted otherwise on the device.
Use dimensions of -3 liter plates to create standard 1" circuit spaces.
Panel installable into 48" rack and to accommodate the panel as listed on the rear of the dead front.



The physical wiring of this panel must be in accordance with the applicable portions of NEC, IEC, etc. (or local code) and approved agencies as accepted by the local authority having jurisdiction with the applicable Service Labels, which may be found across a variety of locations in the field. The physical wiring of this panel must be in accordance with the applicable portions of NEC, IEC, etc. (or local code) and approved agencies as accepted by the local authority having jurisdiction with the applicable Service Labels, which may be found across a variety of locations in the field.



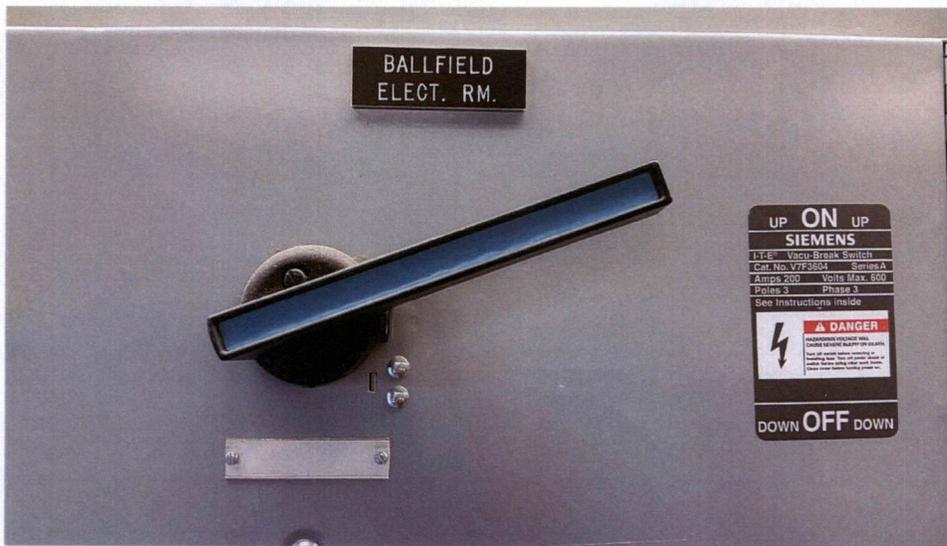
HOLLYWOOD REGIONAL PARK
BALLFIELD ELECTRICAL ROOM PANEL L9 - 2

GCV
ENGINEERS \ SURVEYORS
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com



HOLLYWOOD REGIONAL PARK
 MAIN ELECTRICAL ROOM - 1

GCW 1555 S. RAINBOW BLVD.
 LAS VEGAS, NV 89146
 T: 702.804.2000
 F: 702.804.2299
 gcwengineering.com



HOLLYWOOD REGIONAL PARK
MAIN ELECTRICAL ROOM - 2

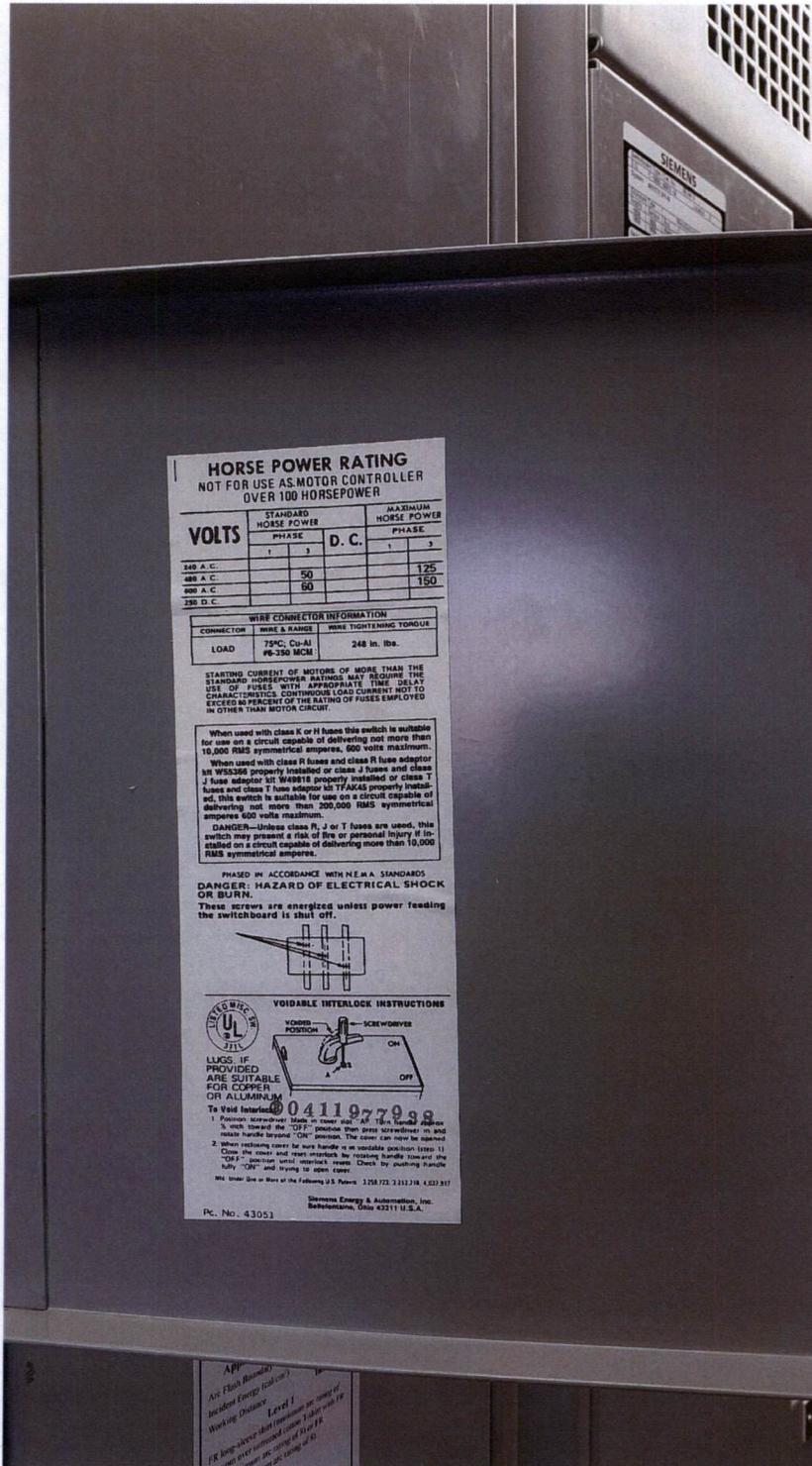
GCV
ENGINEERS \ SURVEYORS

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com



HOLLYWOOD REGIONAL PARK
MAIN ELECTRICAL ROOM - 3

GCW 1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
ENGINEERS \ SURVEYORS gcwengineering.com



**HORSE POWER RATING
NOT FOR USE AS MOTOR CONTROLLER
OVER 100 HORSEPOWER**

VOLTS	STANDARD HORSE POWER PHASE		D. C.	MAXIMUM HORSE POWER PHASE	
	1	3		1	3
240 A.C.					
480 A.C.		50			125
600 A.C.		60			150
330 D.C.					

WIRE CONNECTOR INFORMATION

CONNECTOR	WIRE RANGE	WIRE TIGHTENING TORQUE
LOAD	75°C, Cu-Al #6-250 MCM	248 in. lbs.

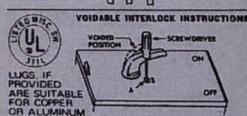
STARTING CURRENT OF MOTORS OF MORE THAN THE STANDARD HORSEPOWER RATINGS MAY REQUIRE THE USE OF FUSES WITH APPROPRIATE TIME DELAY CHARACTERISTICS. CONTINUOUS LOAD CURRENT NOT TO EXCEED 80 PERCENT OF THE RATING OF FUSES EMPLOYED IN OTHER THAN MOTOR CIRCUIT.

When used with class K or H fuses this switch is suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes, 600 volts maximum.

When used with class R fuses and class R fuse adaptor kit W55366 properly installed or class J fuses and class J fuse adaptor kit W5518 properly installed or class T fuses and class T fuse adaptor kit TFAKAS properly installed, this switch is suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes 600 volts maximum.

DANGER—Unless class R, J or T fuses are used, this switch may present a risk of fire or personal injury if installed on a circuit capable of delivering more than 10,000 RMS symmetrical amperes.

PHASE IN ACCORDANCE WITH N.E.M.A. STANDARDS
DANGER: HAZARD OF ELECTRICAL SHOCK OR BURN.
These motors are energized unless power feeding the switchboard is shut off.



ULGS, IF PROVIDED ARE SUITABLE FOR COPPER OR ALUMINUM

To Void Interlock 0411977088

- Position screwdriver blade in cover slot. All 10 pin handle holes A, with toward the "OFF" position then press screwdriver in and rotate handle beyond "ON" position. The cover can now be opened.
- After rotating cover to open handle is in voidable position (step 1) Close the cover and reinsert the rotating handle toward the "OFF" position until interlock re-engages. Check by pushing handle fully "ON" and trying to open cover.

See Under Line or More of the Following U.S. Patents: 2,928,722; 2,912,718; 4,552,817

Siemens Energy & Automation, Inc.
Baldwinville, Ohio 43111 U.S.A.

P.C. No. 43051



HOLLYWOOD REGIONAL PARK
MAIN ELECTRICAL ROOM - 4

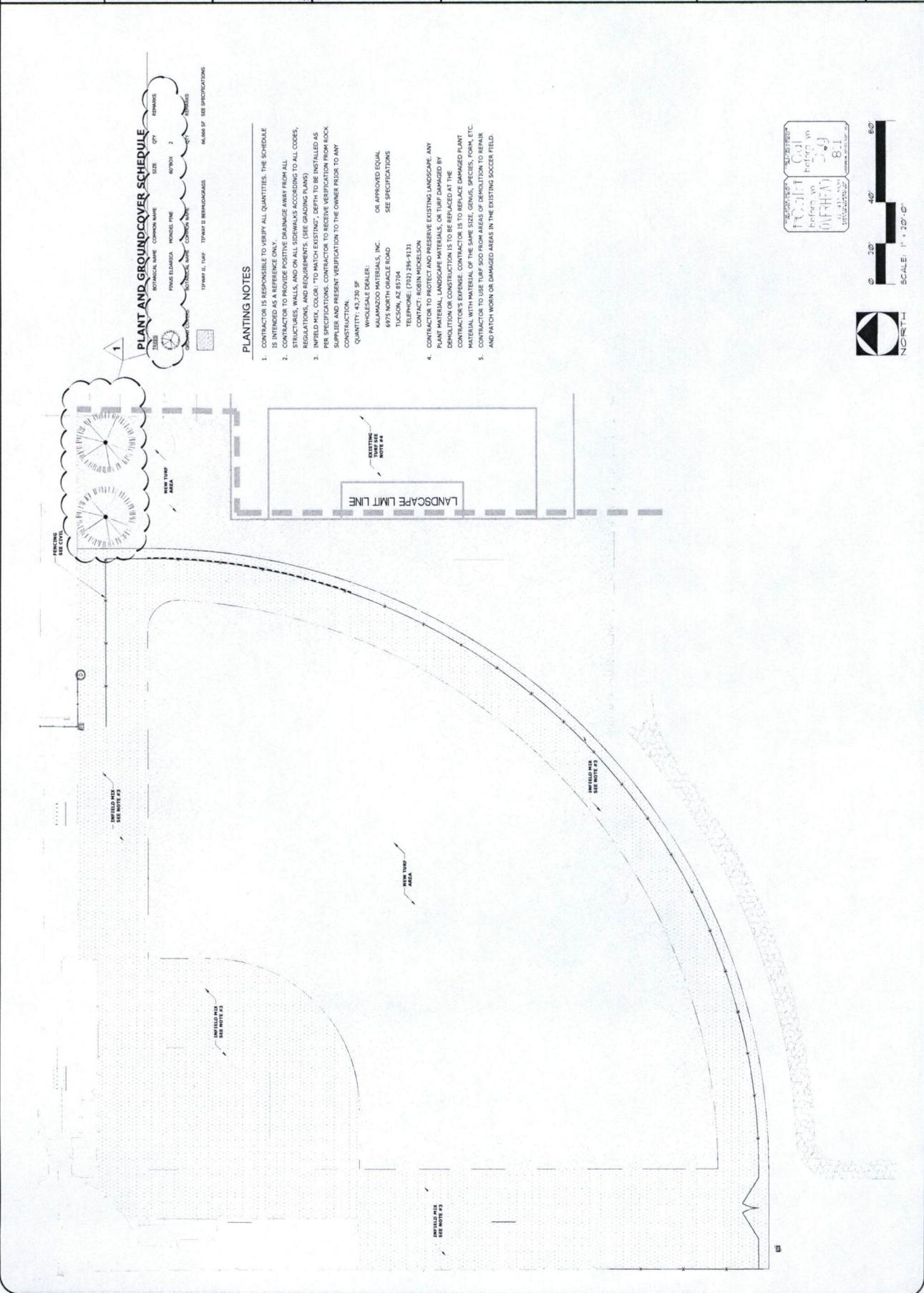
GCW 1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gcwengineering.com

Tim Clark



HOLLYWOOD REGIONAL PARK
IRRIGATION CONTROLLER LOCATION

GCV 1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
ENGINEERS \ SURVEYORS gcvengineering.com



PLANT AND GROUND COVER SCHEDULE

ITEM	BOTANICAL NAME	COMMON NAME	SIZE	CITY	REMARKS
1	TRINIA ALBA	TRINIA	12" X 12"	2	SEE SPECIFICATIONS
2	TRINIA ALBA	TRINIA	12" X 12"	2	SEE SPECIFICATIONS
3	TRINIA ALBA	TRINIA	12" X 12"	2	SEE SPECIFICATIONS
4	TRINIA ALBA	TRINIA	12" X 12"	2	SEE SPECIFICATIONS

- ### PLANTING NOTES
- CONTRACTOR IS RESPONSIBLE TO VERIFY ALL QUANTITIES. THE SCHEDULE IS INTENDED AS A REFERENCE ONLY.
 - CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES, WALLS AND DRIVEWAYS. ALL PLANTINGS TO ALL CODES, SPECIFICATIONS, WALLS AND DRIVEWAYS. SEE GRADING PLANS FOR DRAINAGE REQUIREMENTS. TO MATCH EXISTING. DEPTH TO BE INSTALLED AS PER SPECIFICATIONS. CONTRACTOR TO RECEIVE VERIFICATION FROM ROOF SUPPLIER AND PRESENT VERIFICATION TO THE OWNER PRIOR TO ANY CONSTRUCTION.
 - QUANTITY: 43,730 SF
 WHOLESALE DEALER:
 KALAMAZOO MATERIALS, INC.
 6975 NORTH ORACLE ROAD
 TUCSON, AZ 85724
 (520) 794-9131
 CONTRACT: BOB MCKELSON
 - CONTRACTOR TO PROTECT AND PRESERVE EXISTING LANDSCAPE. ANY PLANT MATERIAL, LANDSCAPE MATERIALS, OR TURF DAMAGED BY DEMOLITION OR CONSTRUCTION IS TO BE REPLACED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR IS TO REPLACE DAMAGED PLANT MATERIAL WITH MATERIAL OF THE SAME SIZE, GENUS, SPECIES, FORM, ETC.
 - CONTRACTOR TO USE TURF SOED FROM AREAS OF DEMOLITION TO REPAIR AND PATCH WORK OR DAMAGED AREAS IN THE EXISTING SOCCER FIELD.

REVISIONS:

NO.	DATE	DESCRIPTION
1	11/15/16	ISSUE FOR PERMIT
2	11/15/16	ISSUE FOR PERMIT

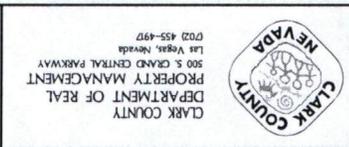
SCALE: 1" = 20'-0"

NORTH



CLARK COUNTY
 DEPARTMENT OF REAL
 PROPERTY MANAGEMENT
 500 S. GRAND CENTRAL PARKWAY
 LAS VEGAS, NEVADA
 702.455.4977

APPROVAL: _____
 DATE: _____
 SCALE: _____
 SHEET: _____
 DRAWN BY: _____
 PROJECT: _____



HOLLOWOOD REGIONAL PARK
 LANDSCAPE
 DETAILS
 SHEET
L3.01
 L3.01

