

SECTION 00 91 01

ADDENDUM NO. 1

SUMMARY

**This document includes requirements that clarify or supersede portions of the Contract Documents. This Addendum is a Contract Document.**

**General**

**The following changes, additions and deletions shall be made to the following document(s); all other conditions shall remain the same.**

**I. BID QUESTIONS:**

RFI Question 1:

Can the stated requirement for a 5 year EMR rate of 1.25 or less be waived in the case of a current EMR rating of 1.10.

Response:

No, the requirement stands as stated – 5 year EMR of 1.25 or less.

**II ADDITIONAL REQUIREMENTS:**

1. **Scheduled activities:** The College has activities planned for the work area for various times over the summer months. These activities include week-long summer camps for children during the day, and adult use of the fields in the evenings and on weekends.

Most occur when typical construction activities have ceased for the day or on weekends. However there are a few that take place while work is in progress.

- The contractor must maintain the access fencing to provide safe access to the fields at all times.
- The contractor must ensure that all utilities to the other field-area buildings are available and functioning when contractor forces are not onsite.

**III. SPECIFICATIONS**

**Item No. 1 Delete previous Tables of Contents including duplications of Tables and replace with new Section 00 01 10 - Table of Contents**

**Item No. 2 Add section 01 35 00 Special Procedures**

**Item No. 3 Add section 01 45 00 Quality Control**

**IV. DRAWINGS**

**LANDSCAPE DRAWINGS**

- Item #1 Existing Conditions. See Sheet No. L2.1**
- Item #2 Paving revisions. See DA1**
- Item #3 Plumbing revisions. See DA2**
- Item #4 Fire Service Line. See DA3**
- Item #5 Fire Service Line. See DA4**
- Item #6 Lay Down Area. See DA5**

**ELECTRICAL**

- Item #1 Electrical Site Plan E1.1: See AD1 E1.**
  - 1. Revise feeder LC1-TP from underground to be overhead.**
  - 2. Added low voltage conduits from Lot 5 to press box.**
  - 3. Added sheet notes 9, 10, 11,12.**
- Item #2 Electrical Plans and Wiring Diagrams E2.1:**
  - 1. Electrical Plan – Added EAS (Emergency Announcement System) speakers and data at restroom building. See AD1 E2.**
  - 2. Tel/Data Wiring Diagram: Revise cables for IDF's and EAS system. See AD1 E3.**
  - 3. Partial Single Line Diagram – Revise Panel “P1” feeder to be 200A/3P. See AD1 E4.**
- Item #3 Fire Alarm Details E4.1:**
  - 1. Fire Alarm Riser Diagram – Added <E> devices at Restroom and Press-box buildings. See AD1-E5.**

**VI. CLARIFICATIONS**

- 1. New link to contract documents:

[HTTPS://SMCCD-PUBLIC.SHAREPOINT.COM/FPO/SITEPAGES/HOME.ASPX?ROOTFOLDER=%2FFPO%2FPROJECTS%2FFPMO%2FCA%2FC3%B1ADA%20COLLEGE%20TEAM%20RM%2FBID%20DOCUMENTS&FOLDERCTID=0X012000A4ACA71DCC991B409AC6DBA360514349&VIEW=%7B9A7706DE%2D3753%2D4BAB%2D8093%2DD04DFA75001C%7D](https://smccd-public.sharepoint.com/fpo/sitepages/home.aspx?rootfolder=%2FFPO%2FPROJECTS%2FFPMO%2FCA%2FC3%B1ADA%20COLLEGE%20TEAM%20RM%2FBID%20DOCUMENTS&FOLDERCTID=0X012000A4ACA71DCC991B409AC6DBA360514349&VIEW=%7B9A7706DE%2D3753%2D4BAB%2D8093%2DD04DFA75001C%7D)

**END OF ADDENDUM**

## DOCUMENT 00 01 10

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## PROCUREMENT AND CONTRACTING REQUIREMENTS

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00 01 07	Seals Page
00 01 10	Table of Contents

## BIDDING REQUIREMENTS

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00 11 13	Advertisement for Bids
00 11 19	Instructions to Bidders
00 21 14	Bid Submittal Vicinity Map
00 21 15	Project Site Campus Map
00 41 00	Bid Form
00 43 10	Indemnity and Release Agreement
00 43 13	Bond Accompanying Bid
00 43 25	Substitution Request
00 43 33	Schedule of Major Equipment and Materials Suppliers
00 43 36	Subcontractors List
00 43 45	Escrow Agreement for Security Deposit
00 45 00	Bidder Certifications
00 45 01	Verification of Contractor/Subcontractors' DIR Registration
00 45 14	Key Personnel
00 45 19	Non-Collusion Affidavit

## CONTRACTING REQUIREMENTS

Document	Title
00 50 00	Notice to Proceed
00 51 00	Notice of Award
00 51 01	Notice of Intent to Award for Construction
00 52 00	Agreement
00 61 00	Construction Performance Bond
00 62 00	Construction Labor and Material Payment Bond
00 65 36	Guaranty
00 65 73	Agreement and Release of Any and All Claims

## CONDITIONS OF THE CONTRACT

Section	Title
00 71 00	General Conditions
00 73 00	Supplementary Conditions
00 73 17	Insurance
00 73 17	Insurance – Attachment A
00 91 01	Addenda

## SPECIFICATIONS

## Division 1 - General Requirements

Section	Title
01 10 00	Summary of Work
01 21 00	Allowance
01 26 00	Modification Procedures
01 29 00	Measurement and Payment
01 31 19	Project Meetings
01 32 16	Progress Schedules and Reports
01 32 19	Submittal Procedures
01 35 00	Special Procedures
01 41 00	Regulatory Requirements
01 41 01	Regulatory Requirements – Hazardous Materials
01 42 00	References and Definitions
01 51 00	Temporary Facilities and Controls
01 56 00	Site Security and Safety
01 58 00	Project Identification and Signs
01 60 00	Product Requirements
01 74 00	Cleaning
01 76 01	Existing Underground Facilities
01 77 00	Contract Closeout
01 78 39	Project Record Document

## TECHNICAL REQUIREMENTS

## Division 02 – Site Construction

Section	Title
02 41 00	Site Clearing and Demolition

## NOT USED

## Division 03 – Concrete

Section	Title
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## NOT USED

## Division 04 – Masonry

Section Title

NOT USED

Division 05 – Metals

Section Title

NOT USED

Division 06 – Wood & Plastics

Section Title

NOT USED

Division 07 – Thermal & Moisture Protection

Section Title

NOT USED

Division 08 – Openings

Section Title

NOT USED

Division 09 – Finishes

Section Title

NOT USED

Division 10 – Specialties

Section Title

10 14 00 Signage

Division 11 – Equipment

Section Title

NOT USED

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Section Title

NOT USED

Division 22 – Plumbing

22 11 16	Domestic Water Piping
22 13 16	Sanitary Waste and Vent Piping

## Division 23 – Heating, Ventilating, and Air Conditioning (HVAC)

Section	Title
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NOT USED

## Division 25 – Integrated Automation

Section	Title
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NOT USED NOT USED

## Division 26 – Electrical

Section	Title
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26 00 00	Electrical General Requirements
26 05 00	Basic Electrical Materials and Methods
26 05 23	Conductors and Cables
26 05 26	Grounding and Bonding
26 05 33	Raceways and Boxes
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26 22 00	Dry-Type Transformers
26 24 16	Panel Boards
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## Division 27 - Telecommunications

Section	Title
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27 00 00 Data/ Telephone Cabling System

## Division 28 – Security

Section	Title
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28 31 00 Fire Alarm Systems

## Division 31 – Earthwork

Section	Title
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NOT USED NOT USED

## Division 32 – Exterior Improvements

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32 11 00	Base Courses
32 12 16	Asphalt Concrete Paving
32 13 13	Concrete Paving

Division 33 – Utilities

Section	Title
33 31 00	Sanitary Sewerage

Geotechnical Report

END OF DOCUMENT

## SECTION 01 10 00

**SUMMARY OF WORK****PART 1 GENERAL****1.1 SUMMARY**

- A. Section includes summary of Work including:
1. Work Covered By Contract Documents
  2. Bid Items, Allowances, and Alternates
  3. Work Under Other Contracts
  4. Future Work (N/A)
  5. Work Sequence
  6. Business Days and Hours
  7. Cooperation of Contractor and Coordination with Other Work
  8. Maintenance, Product Handling, and Protection
  9. Partial Occupancy/Utilization Requirements
  10. Contractor Use of Premises
  11. Lines and Grades
  12. Protection of Existing Structures and Utilities
  13. Damage to Existing Property
  14. Dust Control
  15. Parking
  16. Laydown/Staging Area
  17. Permits
  18. Punch List Verification
  19. Actual Damages for Violations
  20. Unfavorable Construction Conditions
  21. Construction Site Access
  22. Specification Data Sheets and Schedules
  23. Site Administration
  24. Products Ordered In Advance
  25. District-Furnished Products

**1.2 WORK COVERED BY CONTRACT DOCUMENTS**

- A. Work comprises site improvements necessary to accommodate new Modular Building, to be used as Team House located at Cañada College, 4200 Farm Hill Boulevard, Redwood City, California 94061.
- B. Furnish all labor, materials, equipment, services, permits, temporary controls and construction facilities, and all general conditions, seismic requirements, general requirements and incidentals required to complete the Work in its entirety as described in the Contract Documents. The Work includes, but is not necessarily limited to the following:
1. Construction and modifications of Team House building and associated work.
  2. Site and civil work associated with new Team House building.
  3. Electrical upgrades, including: **Temporary power and data** to accommodate new Team House and out buildings associated with adjacent baseball field.
  4. Coordination with other contractors working at the site and its Subcontractors, coordination with local utility owners and **[PG&E]** and the District, obtaining necessary permits and complying with permit and environmental conditions, project startup and testing, site restoration and cleanup.
- C. The Work of this Contract comprises construction of all the Work indicated, described in the Specifications, or otherwise required by the Contract Documents.
- D. Unless provided otherwise in the Contract Documents, all risk of loss to Work covered by Contract Documents shall rest with Contractor until Final Acceptance of the Work.
- E. Contractor's use of the premises for Work and storage is limited to the area indicated.



- F. Contractor shall be solely responsible for all utilities (including without limitation electricity, water, gas, etc.) at the Site.
- G. Contractor shall carefully remove, in a manner to prevent damage, all materials and equipment specified or indicated to be salvaged and reused or to remain the property of District. Contractor shall store and protect salvaged items specified or indicated to be reused in the Work.
  - a. Contractor may furnish and install new items instead of those specified or indicated to be salvaged and reused, in which case such removed items will become Contractor's property.
- H. Existing materials and equipment removed by Contractor shall not be reused in the Work, except where so specified or indicated.
- I. Salvaged items not to be reused in the Work, but to remain District's property, shall be delivered by Contractor in good condition to District at the Facilities Maintenance Center, 4200 Farm Hill Blvd., Redwood City.
  - a. Any items specified or indicated to be salvaged which are damaged in removal, storage, or handling through carelessness or improper procedures shall be replaced by Contractor in kind or with new items.

### 1.3 BID ITEMS, ALLOWANCES, AND ALTERNATES

- A. Any Bid Item may be deleted from the Work and Contract Sum, in total or in part, prior to or after award of Contract without compensation in any form or adjustment of other Bid Items or prices therefore.
- B. Payment of all items is subject to provisions of Contract Documents, including without limitation Section 01 29 00 (Measurement and Payment).
- C. For all Bid Items, furnish and install all work indicated and described in Specifications and all other Contract Documents, including connections to existing systems. Work and requirements applicable to each individual Bid Item, or unit of Work, shall be deemed incorporated into the description of each Bid Item..
- D. Descriptions of Lump Sum Items (listed by Bid Item Numbers). Bid items are not intended to be exclusive descriptions of work categories and Bidder shall determine and include in its pricing all materials, labor, and equipment necessary to complete each Bid Item as shown and specified:
  - 1. Bonds and Insurance. The lump sum price paid under this item shall be full payment for all Bonds and Insurance required by Document 00 71 00 (General Conditions).
  - 2. Safety Plan and Programs. The lump sum price paid under this item shall be full payment for providing the Safety Plan and programs as required by Section 01 56 00 (Site Security and Safety) and 00 71 00 (General Conditions).
  - 3. Mobilization/Demobilization. The lump sum price paid under this item shall be full payment for initial mobilization at Project commencement (50% to be paid then), and cleanup and demobilization at Final Completion of Work to be completed (50% to be paid then).
  - 4. The lump sum price paid under this item shall be full payment for site preparation, excavation and foundation preparation, offsite disposal of excavated materials, sheeting, shoring and bracing, structural concrete and reinforcement, furnishing and installation of conduits, wiring and equipment, training of District personnel, submittals, and all other general conditions, general requirements, and seismic requirements.
  - 5. Installation, Operation, and Maintenance Manuals, Record Drawings-. The lump sum price paid under this item shall be full payment for preparation of installation, operation, and maintenance manuals.
  - 6. All Work of Contract Documents other than Work separately provided for under other Bid Items. The lump sum price paid under this item shall be full payment for all Work of Contract Documents other than Work separately provided for under other Bid Items, including cleaning, startup, and testing, submittals, and all other general conditions, general requirements, and seismic requirements.
- E. Allowances:
  - 1. Allowance work shall be done as Change Orders and as specified in Section 01 26 00 (Modification Procedures). Identify Allowance Items (See Document 00 41 00 [Bid Form]) work on the Progress Schedules and on Applications for Payment.
  - 2. The Amount given on Document 00 41 00 (Bid Form) under each Allowance Item is the sum of money set aside for each Allowance Item. These amounts shall be included in the Contract Sum on the Bid Form.
  - 3. If the cost of work done under any Allowance Item is less than the amount given on the Bid Form under that Allowance Item, the Contract Sum shall be reduced by the difference between the amount given in the Bid Form and the cost of work actually done.
  - 4. Scope of Allowances:

- a. N/A
- F. Alternates:
  - 1. N/A

#### 1.4 WORK UNDER OTHER CONTRACTS

Work at the site performed by others includes the following: **Modular Building retrofits performed by Enviroplex Modular contractor.**

#### 1.5 FUTURE WORK

- A. N/A

#### 1.6 WORK SEQUENCE

- A. Construct Work in stages and at times to accommodate District operation requirements during the construction period; coordinate construction schedule and operations with District.
- B. Contractor is advised that District, students and faculty are on campuses Monday – Friday, 8:00 a.m. - 10:00 p.m., with generally less activity between 1:00 p.m. and 6:00 p.m., and Saturday 8:00 a.m. – 1:00 p.m.
- C. Contractor acknowledges that shoring may be required to maintain a safe excavation and protect facilities, including both existing and recently constructed under this Contract. All expenses for shoring of excavations shall be included in the appropriate bid items.

#### 1.7 BUSINESS DAYS AND HOURS

- A. The District's Regular Business Days and hours for construction personnel, such as facilities managers, architects, inspectors, and maintenance personnel, are Monday-Friday inclusive, 7:30 a.m. - 4:30 p.m. local time.
  - 1. Contractor is notified that Cañada campus buildings will be occupied during construction. If the contractor's work will require any of these buildings to be vacant at any time during construction the contractor will need to indicate this work on the schedule and submit for approval prior to the commencement of work.
  - 2. Contractor is notified that work that will generate disruptive noise will need to be completed during hours when there is less activity on campus, see paragraph 1.7.B (Business Days and Hours).
- B. Contractor is advised that District, students and faculty are on campuses Monday – Friday, 8:00 a.m. - 10:00 p.m., with generally less activity between 1:00 p.m. and 6:00 p.m., and Saturday 8:00 a.m. – 1:00 p.m.
- C. Contractor may work at the Site on weekends or holidays if it notifies District in writing at least 48 hours in advance. In the case of Work by Contractor after normal working hours or on weekends or holidays, Contractor shall be responsible for any additional inspection costs incurred by the District. Such costs may be withheld from any succeeding monthly progress payment.
- D. See Section 00 73 00 Supplementary Conditions for College Activities and Events which may also result in Contractor's inability to work.
- E. Contractor shall protect facilities against deleterious substances and damage.

#### 1.8 COOPERATION OF CONTRACTOR AND COORDINATION WITH OTHER WORK

- A. Coordinate with District and any District forces, or other contractors and forces, as required by Document 00 71 00 (General Conditions), paragraph 6.
- B. Contractor shall coordinate the construction schedule with the regular daily operations schedule of the District and Campus for minimal interruption during utility service installations/modifications. All shut-downs required to perform the work and temporary facilities/utilities to affected District constituencies or other projects shall be coordinated by the Contractor and included in the base scope/cost of the project for normal power service installation.
- C. Noise: Construction activities are to comply with applicable local noise ordinance and applicable Cal-OSHA regulations.
- D. Connections to Existing Facilities. Unless otherwise specified or indicated, Contractor shall make all necessary connections to existing facilities, including structures, drain lines, and utilities such as water, sewer, gas, telephone, and electric. In each case, Contractor shall receive permission from District or the owning utility prior to undertaking connections.

## 1.9 MAINTENANCE, PRODUCT HANDLING, AND PROTECTION

- A. Transport, deliver, handle, and store materials and equipment at the Site in such a manner as to prevent the breakage, damage or intrusions of foreign matter or moisture, and otherwise to prevent damage.
- B. Hazardous substance compliance: Provide District with copies of the OSHA Material Safety Data Sheets (MSDS) for all products containing a hazardous substance, examples: Adhesives, paints, sealants, and the like.
- C. Packaging: Provide packaged material in manufacturer's original containers with seals unbroken and labels intact until incorporated into the Work.
- D. Remove all damaged or otherwise unsuitable material and equipment promptly from the Site.
- E. Protection: Protect all finished surfaces.
- F. Asbestos Removal: If, during the progress of the Work, suspected asbestos-containing products are identified, Contractor shall stop work in the affected area and immediately notify the Owner. Owner shall either directly engage an asbestos removal contractor to verify the materials and, if necessary, encapsulate, enclose, or remove and dispose of all asbestos in accordance with current regulations of the Environmental Protection Agency and the U. S. Department of Labor – Occupational Safety and Health Administration, the state asbestos regulating agency, and any local government agency; or Owner shall direct Contractor to do the same as a Change Order to the contract. The Contractor shall take all measures to avoid and/or mitigate delays due to Hazardous Materials/Waste finds such as: avoiding the area of the find and proceeding with other work on the project; developing "work around" plans; and documenting his best efforts to avoid and/or mitigate delays.
  - 1. Asbestos Removal Subcontractor's Qualifications. The Subcontractor for asbestos removal shall be regularly engaged in this type of activity and shall be familiar with the regulations that govern this work. The Subcontractor shall demonstrate to the satisfaction of District that it has successfully completed at least three asbestos removal projects that it has the necessary staff and equipment to perform the work, and that it has an approved site for disposal of the asbestos. Liability insurance covering the asbestos abatement work shall be provided as specified in the Supplementary Conditions.
  - 2. Asbestos Removal Methods. The asbestos removal Subcontractor shall submit a work plan of its proposed removal procedure to District before beginning work and shall certify that the methods are in full compliance with the governing regulations. The work plan shall cover all aspects of the removal, including health and safety of employees and building occupants, hygiene facilities, employee certification, clearance criteria, transportation and disposal, enclosure techniques, and other techniques appropriate for the proposed work.
- G. Cost of maintenance of systems and equipment prior to either Substantial Completion or filing of a Notice of Completion will be considered as included in prices bid and no direct or additional payment will be made therefore.
- H. Contractor is to complete, and if necessary develop, maintenance logs for each piece of major equipment installed and/or stored until project close out. This equipment includes:
  - 1) N/A
  - 2) N/A
- I. Maintenance logs and all related contract close-out documentation will be submitted to the District's Representative no more than thirty (30) days after the date of Substantial Completion. A Notice of Completion will not be filed until all contract close-out documents are submitted and approved.

## 1.10 PARTIAL OCCUPANCY/UTILIZATION REQUIREMENTS

- A. Allow District to take possession of and use any completed or partially completed portion of the Work during the progress of the Work as soon as is possible without interference to the Work.
- B. Possession, use of Work, and placement and installation of equipment by District shall not in any way evidence the completion of the Work or any part of it.
- C. Contractor shall not be held responsible for damage to the occupied part of the Work resulting from District occupancy.
- D. Make available, in areas occupied, on a 24-hour per day and 7-day per week basis if required, any utility services, heating, and cooling in condition to be put in operation at the time of occupancy.
  - 1. Responsibility for operation and maintenance of said equipment shall remain with Contractor.
  - 2. Make, and District shall certify, an itemized list of each piece of equipment so operated with the date operation commences.
  - 3. Itemized list noted above shall be basis for commencement of warranty period for equipment.

4. District shall pay for utility cost arising out of occupancy by District during construction.
- E. Use and occupancy by District prior to acceptance of Work does not relieve Contractor of its responsibility to maintain insurance and bonds required under the Contract until entire Work is completed and accepted by District.
- F. Prior to date of Final Acceptance of the Work by District, all necessary repairs or renewals in Work or part thereof so used, not due to ordinary wear and tear, but due to defective materials or workmanship or to operations of Contractor, shall be made at expense of Contractor, as required in Document 00 71 00 (General Conditions).
- G. Use by District of Work or part thereof as contemplated by this Section 01 10 00 shall in no case be construed as constituting acceptance of Work or any part thereof. Such use shall neither relieve Contractor of any responsibilities under Contract, nor act as waiver by District of any of the conditions thereof.
- H. District may specify in the Contract Documents that portions of the Work, including electrical and mechanical systems or separate structures, shall be substantially completed on dates described in paragraph 1.6 of this Section 01 10 00, if any, prior to substantial completion of all of the Work. Contractor shall notify District's Representative and Architect/Engineer in writing when Contractor considers any such part of the Work ready for its intended use and substantially complete and request District to issue a Certificate of Substantial Completion for that part of the Work.

#### **1.11 CONTRACTOR USE OF PREMISES**

- A. Confine operations at Site to areas permitted by Contract Documents, permits, ordinances, and laws.
- B. Do not unreasonably encumber Project Site with materials or equipment.
- C. Assume full responsibility for protection and safekeeping of products stored on premises.
- D. Move any stored products that interfere with operations of District or other contractor.
- E. Parking, storage, staging, and work areas shall be coordinated with the District, and comply with all other Contract documents requirements.
  - a. Parking:
    - 1) Cañada – Lot adjacent Baseball Field
    - 2) Cañada – Lot 6

#### **1.12 LINES AND GRADES**

- A. All Work shall be done to the lines, grades, and elevations indicated on the Drawings.
- B. District shall provide basic horizontal and vertical control points to be used as datums for the Work. All additional survey, layout, and measurement work shall be performed by Contractor as a part of the Work.
- C. Contractor shall provide at its cost an experienced instrument person, competent assistants, and such instruments, tools, stakes and other materials required to complete the survey, layout, and measurement work. In addition, Contractor shall furnish at its cost competent persons and such tools, stakes, and other materials as District (and/or any Architect/Engineer) may require in establishing or designating control points, or in checking survey, layout, and measurement work performed by Contractor.
- D. Contractor shall keep District informed, a reasonable time in advance, of the times and places at which it wishes to do survey/layout work, so that any checking deemed necessary by District may be done with minimum inconvenience to District and minimum delay to Contractor.
- E. Contractor shall remove and reconstruct Work which is improperly located.

#### **1.13 PROTECTION OF EXISTING STRUCTURES AND UTILITIES**

- A. The Drawings may indicate existing above- and below-grade structures, drainage lines, storm drains, sewers, water, gas, electrical, hot water, and other similar items and utilities that are known to District.
- B. Contractor shall locate these known existing installations before proceeding with trenching or other operations which may cause damage, shall maintain them in service where appropriate, and shall repair any damage to them caused by the Work, at no increase in Contract Sum.
- C. Additional utilities whose locations are unknown to District are suspected to exist. Contractor must be alert to their existence. If additional utilities are encountered, Contractor must immediately report to District for disposition.
- D. In addition to reporting, if a utility is damaged, Contractor must take appropriate action as provided in Document 00 71 00 (General Conditions).

- E. Additional compensation or extension of time on account of utilities not indicated or otherwise brought to Contractor's attention including reasonable action taken to protect or repair damage shall be determined as provided in Document 00 71 00 (General Conditions).

#### **1.14 DAMAGE TO EXISTING PROPERTY**

- A. Contractor will be responsible for any damage to existing structures, Work, materials, or equipment because of its operations and shall repair or replace any damaged structures, Work, materials, or equipment to the satisfaction of, and at no additional cost to, District.
- B. Contractor shall protect all existing structures and property from damage and shall provide bracing, shoring, or other work necessary for such protection.
- C. Contractor shall be responsible for all damage to streets, roads, curbs, sidewalks, highways, shoulders, ditches, embankments, culverts, bridges, or other public or private property, which may be caused by transporting equipment, materials, or workers to or from the Work. Contractor shall make satisfactory and acceptable arrangements with the agency having jurisdiction over the damaged property concerning its repair or replacement.

#### **1.15 DUST CONTROL**

- A. Contractor shall take reasonable measures to prevent unnecessary dust. The following items shall be specifically implemented to control dust:
  - 1. All construction locations with active excavation shall be watered at least twice daily.
  - 2. Cover all trucks hauling soil, sand, and other loose materials; or require all trucks to maintain at least two feet of freeboard.
  - 3. Pave, apply water daily, or apply non-toxic soil stabilizers on all un-paved access roads, parking areas, and staging areas at construction site.
  - 4. Sweep daily with water sweepers all paved access roads, parking areas, and staging areas at construction sites during earthwork activities.
  - 5. Enclose, cover, water twice daily, or apply non-toxic soil binders to exposed stockpiles (dirt, sand, etc.)
  - 6. Limit the speed of all construction vehicles to 5 miles per hour while on un-paved roads at the Site.
- B. Buildings or operating facilities which may be affected adversely by dust shall be adequately protected from dust. Existing and new machinery, motors, instrument panels, or similar equipment shall be protected by suitable dust screens. Proper ventilation shall be included with dust screens.
- C. Building Interiors: provide dust barriers, walk-off pads, etc. to minimize dust infiltration in buildings. If required, the Contractor will clean interior common areas (e.g., corridors, lobbies) as needed during each work day.

#### **1.16 PARKING**

Parking will be provided in designated areas at no cost to the Contractor.

#### **1.17 LAYDOWN/STAGING AREA**

Contractor shall utilize the area indicated on the Drawings for storage of all construction materials. This area shall be fenced and locked by Contractor for security purposes.

- a. Laydown Area

- 1) Cañada – Lot adjacent Baseball Field
- 2) Cañada – Lot 6

#### **1.18 PUNCH LIST VERIFICATION**

A punch list examination will be performed upon Substantial Completion of Work. One follow-up review of punch list items for each discipline will be provided. If further Site visits are required to review punch list items due to incompleteness of the Work by Contractor, at District's discretion, Contractor shall reimburse District for these visits.

#### **1.19 UNFAVORABLE CONSTRUCTION CONDITIONS**

During unfavorable weather, wet ground, or other unsuitable construction conditions, Contractor shall confine its operations to Work which will not be affected adversely by such conditions. No portion of the Work shall be

constructed under conditions which would affect adversely the quality or efficiency thereof, unless special means or precautions are taken by Contractor to perform the Work in a proper and satisfactory manner. The Contractor will employ BEST practices to manage the construction site during inclement weather.

#### **1.20 CONSTRUCTION SITE ACCESS**

Contractor shall at all times limit access to the Site to necessary personnel only. All personnel associated with construction of the Project shall enter the site through Contractor's access gate, at the location indicated on the Drawings. Access for construction personnel shall be limited to regular work hours, unless prior approval is obtained from the District. All mail and deliveries (Federal Express, equipment, etc.) shall be sent to a separate address (at Contractor's gate), specifically arranged by Contractor for the Project. Contractor is responsible for providing adequate signage (subject to District approval) to alert delivery persons to the project site. The District will not receive or forward Contractor mail or deliveries.

#### **1.21 SPECIFICATION DATA SHEETS AND SCHEDULES**

Specifications may have data sheets and schedules as part of specific specification sections. Locations for data entries on the data sheets and schedules may be left blank intentionally. Each line where data may be entered on the data sheet has a selection box in the column "Chk". When the box for a line is checked and no data is entered in the respective line, this indicates that no data is required for that line of the data sheet.

Other standard codes which apply to the Work are designated in the Specifications.

#### **1.22 SITE ADMINISTRATION**

Contractor shall be responsible for all areas of the Site used by it and by all Subcontractors in the performance of the Work. Contractor shall exert full control over the actions of all employees and other persons with respect to the use and preservation of property and existing facilities, except such controls as may be specifically reserved to District or others. Contractor shall have the right to exclude from the Site all persons who have no purpose related to the Work or its inspection, and may require all persons on the Site to observe the same regulations as Contractor requires of its employees.

#### **1.23 EROSION CONTROL**

##### **A. SCOPE OF WORK**

1. General: Provide all materials, equipment and labor necessary to comply with Best Management Practices (BMP's). See Section 01 35 00 for further detail.

**END OF SECTION**

## SECTION 01 35 00

**SPECIAL PROCEDURES (CAÑADA COLLEGE)****PART 1 GENERAL****1.1 Summary**

- A. Section includes: Administrative and procedural requirements for special project procedures. Contractor shall conform to the following mitigation measures.
- B. Section Includes:
  - 1. Aesthetics
  - 2. Cultural Resources Protection Plan
  - 3. Fire Prevention
  - 4. Geology and Soils
  - 5. Storm Water and Dust Control
  - 6. Transportation and Traffic

**1.2 Definitions****1.3 Submittals**

- A. See Section 01 32 19 (Submittal Procedures).
- B. Name and address of the selected treatment, recycling, or disposal facilities for contaminated soil disposal.
- C. Hazardous waste manifests “if applicable.”
- D. Non-hazardous waste manifests “if applicable.”
- E. Facility weight tickets “if applicable.”
- F. Within 20 days of the Notice of Award Contractor shall provide to the District a submittal documenting Contractor’s plan for reaching compliance with all applicable mitigation measure.

**1.4 Aesthetics**

- A. Limit exterior construction activities to daylight hours at Cañada College
  - 1. When activities must occur outside the normal work days and hours requirements of Section 01 10 00 Summary of Work, follow the notification requirements of that Section and conform to the measure listed below.
  - 2. The effect of nighttime construction light and glare on nearby residences will be minimized by limiting construction hours. Construction activities, which are scheduled to take place between 6:00 am and 7:00 pm on weekdays, will be limited to daylight hours (which will vary according to season). Therefore, the construction hours will be adjusted during the seasons to ensure construction activities take place during daylight hours.

**1.5 Cultural Resources Protection Plan**

- A. Stop work if cultural resources are encountered during ground-disturbing activities at Cañada College.
  - 1. If prehistoric or historic-period cultural materials are unearthed during ground-disturbing activities, Contractor shall avoid any further disturbance, and shall immediately notify District’s Representative. All work within 100 feet of the find will be stopped until a qualified archaeologist and Native American representative can assess the significance of the find. Prehistoric materials might include obsidian and chert flaked-stone tools (e.g., projectile points, knives, scrapers) or tool making debris; culturally darkened soil (midden) containing heat-affected rocks and artifacts; stone milling equipment (e.g., mortars, pestles, handstones, or milling slabs); and battered-stone tools, such as hammerstones and pitted stones. Historic-period materials might include stone, concrete, or adobe footings and walls; filled wells or privies; and deposits of metal, glass, and/or ceramic refuse. If the find is determined to be potentially significant, the archaeologist, in consultation with the Native American representative, will develop a treatment plan that could include site avoidance, capping, or data recovery.
  - 2. Contractor may be entitled to an increase in Contract Sum and Contract Time due to conditions described in this section. The Contractor shall take all measures to avoid and/or mitigate delays due to Cultural

Resource finds such as; avoiding the area of the find and proceeding with other work on the project; developing “work around” plans; and documenting its best efforts to avoid and/or mitigate delays. See Section 01 26 00 Modification Procedures regarding requirements to document differing conditions.

### **1.6 Fire Prevention**

- A. Comply with legal requirements for fire prevention during construction activities at Cañada College.
  - 1. In accordance with the Public Resources Code (PRC), the construction contractor will comply with the following legal requirements during construction activities.
  - 2. Earthmoving and portable equipment with internal combustion engines will be equipped with a spark arrestor to reduce the potential for igniting a wildland fire (PRC Section 4442).
  - 3. Appropriate fire suppression equipment will be maintained during the highest fire danger period: from April 1 to December 1 (PRC Section 4428).
  - 4. On days when a burning permit is required, flammable materials will be removed to a distance of 10 feet from any equipment that could produce a spark, fire, or flame, and the construction contractor will maintain the appropriate fire suppression equipment (PRC Section 4427).
  - 5. On days when a burning permit is required, portable tools powered by gasoline-fueled internal combustion engines will not be used within 25 feet of any flammable materials (PRC Section 4431).

### **1.7 Geology and Soils**

- A. Stockpile topsoil removed during construction at Cañada College and reuse stockpiled topsoil during revegetation.
  - 1. The contractor(s) retained for construction and revegetation will stockpile excavated topsoil on disturbed areas within the campus boundaries (e.g., parking lot expansion areas) so that it can be reused for revegetation on the campus as needed. To ensure maximum topsoil recovery, topsoil will be stockpiled separately from other excavated materials and covered. Revegetation and landscaping will use stockpiled topsoil.

### **1.8 Storm Water and Dust Control**

- A. Implement erosion-control measures to protect water quality during construction at Cañada College.
  - 1. The District will ensure the Project’s design includes methods and procedures by which to minimize the mobilization of sediment to storm drains and adjacent water bodies. Include the following erosion- and sediment-control measures, based on standard industry measures and standard dust-reduction measures. The Contractor shall implement and maintain storm water pollution and dust protection throughout the Project.
  - 2. Cover or apply EPA approved nontoxic soil stabilizers to inactive construction areas (previously graded areas inactive for 10 days or more) that could contribute sediment to waterways.
  - 3. Enclose and cover exposed stockpiles of dirt or other loose, granular construction materials that could contribute sediment to waterways.
  - 4. Contain soil and filter runoff from disturbed areas by berms, vegetated filters, silt fencing, straw wattle, plastic sheeting, catch basins, or other means necessary to prevent the escape of sediment from the disturbed area.
  - 5. Prohibit the placement of earth or organic material where it may be directly carried into a stream, marsh, slough, lagoon, or body of standing water.
  - 6. Prohibit the following types of materials from being rinsed or washed into streets, shoulder areas, or gutters: concrete, solvents and adhesives, fuels, dirt, gasoline, asphalt, and concrete saw slurry.
  - 7. Conduct dewatering activities as necessary in compliance with local storm water controls protocol or the District’s Storm Water Management Program.
  - 8. Prohibit placement of dewatered materials in local water bodies or in storm drains leading to such bodies without implementation of proper construction water quality control measures.

### **1.9 Transportation and Traffic**

- A. Implement a Traffic Control Plan during construction at Cañada College.
  - 1. The Contractor shall develop a traffic control plan, as appropriate, to minimize the effects of construction traffic on the surrounding area. (A traffic control plan may not be required for minor construction activities.) The plan will be subject to review and approval by the District. The District will be responsible



for monitoring to ensure that the plan is effectively implemented by the Contractor. The construction traffic control plan will include the following requirements.

- i. Provide clearly marked pedestrian detours if any sidewalk or pedestrian walkway closures are necessary.
- ii. Provide clearly marked bicycle detours if heavily used bicycle routes must be closed, or if bicyclist safety might be otherwise compromised.
- iii. Provide crossing guards and/or flag persons as needed to avoid traffic conflicts and ensure pedestrian and bicyclist safety.
- iv. Use nonskid traffic plates over open trenches to minimize hazards.
- v. Locate all stationary equipment as far away as possible from areas used heavily by vehicles, bicyclists, and pedestrians.
- vi. Notify and consult with emergency service providers and provide emergency access by whatever means necessary to expedite and facilitate the passage of emergency vehicles.
- vii. Avoid routing construction traffic through residential areas to the extent feasible. Prohibit mobilization and demobilization of heavy construction equipment during AM and PM peak traffic hours.
- viii. Provide access for driveways and private roads outside the immediate construction zone by using steel plates or temporary backfill, as necessary.
- ix. Prohibit construction worker parking in residential areas

**PART 2 PRODUCTS - Not Used**

**PART 3 EXECUTION - Not Used**

END OF SECTION

SECTION 01400

**QUALITY CONTROL**

**PART 1 GENERAL**

1.01 SUMMARY

- A. Materials furnished and work performed under the Contract shall be subject to review by the District's Representative. The contractor shall be held strictly to the requirements of the Contract Documents with regard to quality of materials, workmanship, and diligent execution of the Contract. Such review may include mill, plant, shop, or field review as deemed necessary.
- B. Scope of work:
  - 1. Work performed in the absence of any prescribed inspection or observation may be subject to removal and replacement. In such a case, the entire cost of removal and replacement shall be borne by the contractor, regardless of whether the work removed is found to be defective or not.
  - 2. Testing, inspection, or other related services shall be performed by an independent consultant, testing laboratory or services selected by the District's Representative.
  - 3. Furnish labor necessary to obtain and handle testing samples at the project site or at other locations.
- C. Related sections can include, but may not be limited to the following:
  - 1. All applicable sections of these Specifications.

1.02 REFERENCES AND REGULATORY REQUIREMENTS

- A. Control of Work: Conform to Section 5 of the State Standard Specifications.
- B. Control of Materials: Conform to Section 6 of the State Standard Specifications.

**PART 2 PRODUCTS**

2.01 INSPECTION AND TESTS:

- A. Inspections, observations and/or testing that may be required by the Contract Documents during progress of the work shall be made by a pre-qualified, independent testing agency selected and paid for by the District's Representative. When tests indicate non-compliance, the contractor shall pay all direct and indirect costs of subsequent re-testing until compliance is established.
- B. Costs associated with testing, inspections and observations due to the following shall be the responsibility of the contractor:
  - 1. Re-testing due to failure of initial samples
  - 2. Unacceptable changes in sources, lots, or suppliers of materials after original testing established compliance
  - 3. Changes in methods or materials of construction by contractor that require testing, inspection or other related services in excess of that require by original design
  - 4. Failure to properly notify the District's Representative at critical stages of construction
  - 5. Requesting testing, inspection, and/or observation of work not ready.

## 2.02 TOLERANCES

- A. Tolerances not specifically identified shall meet the written standards and/or recognized commercial tolerances established for the specific materials or product. Refer to Section 01 42 00 – References and Definitions.

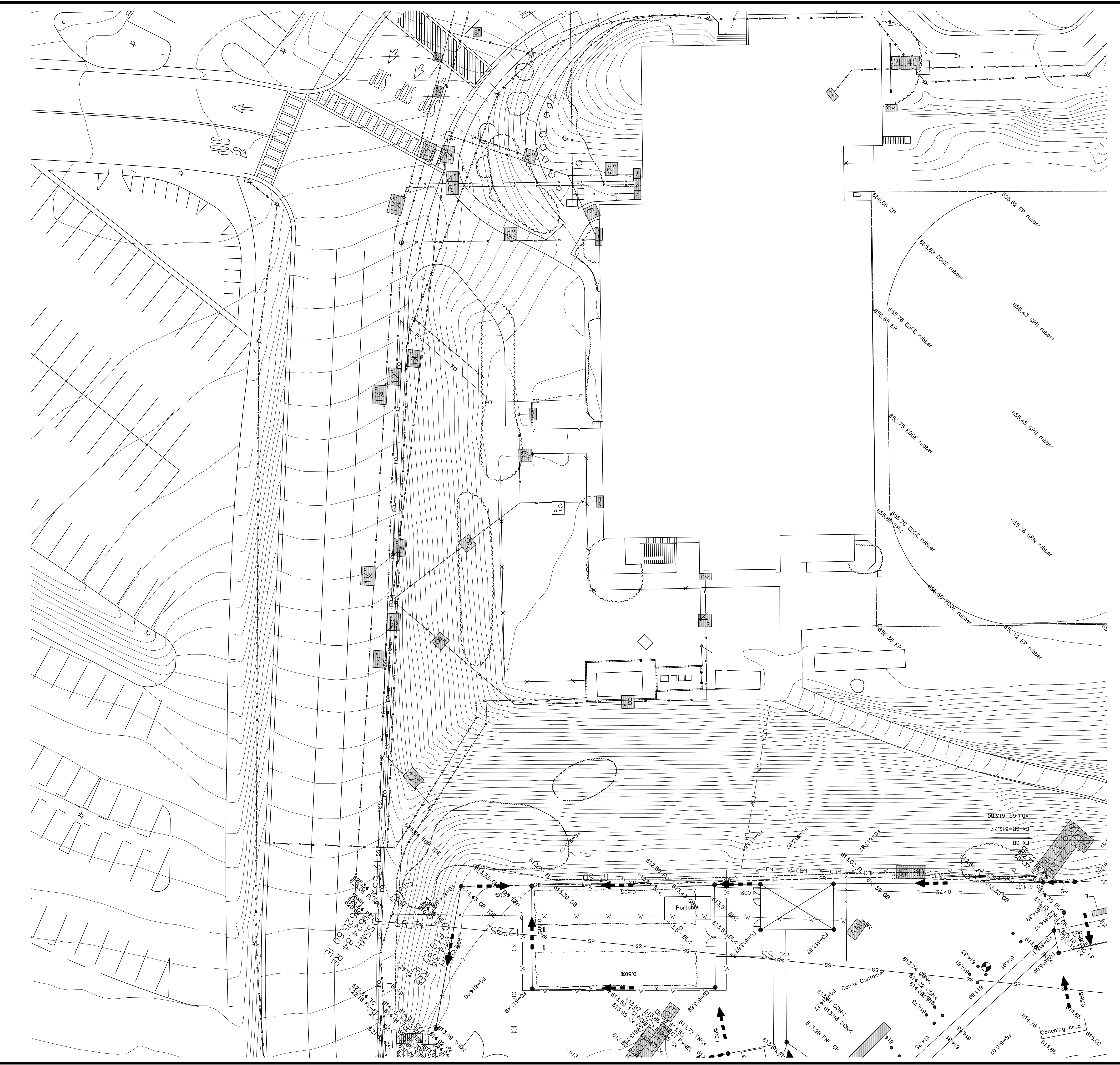
## **PART 3 EXECUTION**

### 3.01 EXAMINATION OF CONDITIONS

- A. Prior to installing any portion of the work, the contractor shall examine the site and verify that site conditions are acceptable to begin work of each section.
- B. Verify that work specified elsewhere has been completed to an appropriate stage to begin work of each section.
- C. Materials or products requiring installation under the supervision or inspection of a specific materials manufacturer or manufacturer's representative shall be examined and/or tested, and accepted in writing, by such representative(s) prior to installation of work.
- D. Notify the District's Representative immediately in writing of any irregularities or unacceptable conditions and re-direct work to avoid delay.
- E. Start of work by contractor shall indicate contractor's acceptance of site conditions.

END OF SECTION

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1. THE SURVEY HAS BEEN PROVIDED BY SAN MATEO COUNTY COMMUNITY COLLEGE DISTRICT.
2. NOTE THAT THIS IS NOT A COMPLETE UNDERGROUND SURVEY. THIS DRAWING CONTAINS ONLY PARTIAL INFORMATION FOR THE EXISTING IRRIGATION, SANITARY SEWER, STORM DRAIN SYSTEMS, ETC. CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS.

**EXISTING CONDITION LEGEND**

- FG=672.8 SPOT ELEVATIONS
- DRAINAGE STRUCTURE
- FENCE
- STORM LINE
- SANITARY SEWER LINE
- WATER LINE
- ELECTRICAL LINE
- FIBER OPTICS LINE

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STAMP

CONSULTANT

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APPL. \_\_\_\_\_  
 FILE \_\_\_\_\_  
 AC \_\_\_\_\_ FLS \_\_\_\_\_ SS \_\_\_\_\_  
 DATE \_\_\_\_\_

SHEET TITLE  
**EXISTING CONDITIONS PLAN (NORTH CAMPUS)**

PROJECT NAME  
**CANADA COLLEGE ATHLETIC TEAM ROOM**

PROJECT ADDRESS  
**4200 FARM HILL BLVD  
 REDWOOD CITY, CA  
 94061**

SUBMITTAL	DATE
DSA SUBMITTAL	06/19/15
ADDENDUM #1	04/22/16

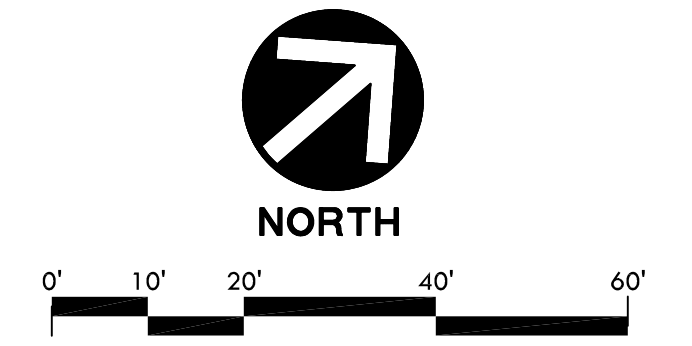
NO.	REVISIONS	DATE

DRAWN BY: **WD** CHECKED BY: **DC**

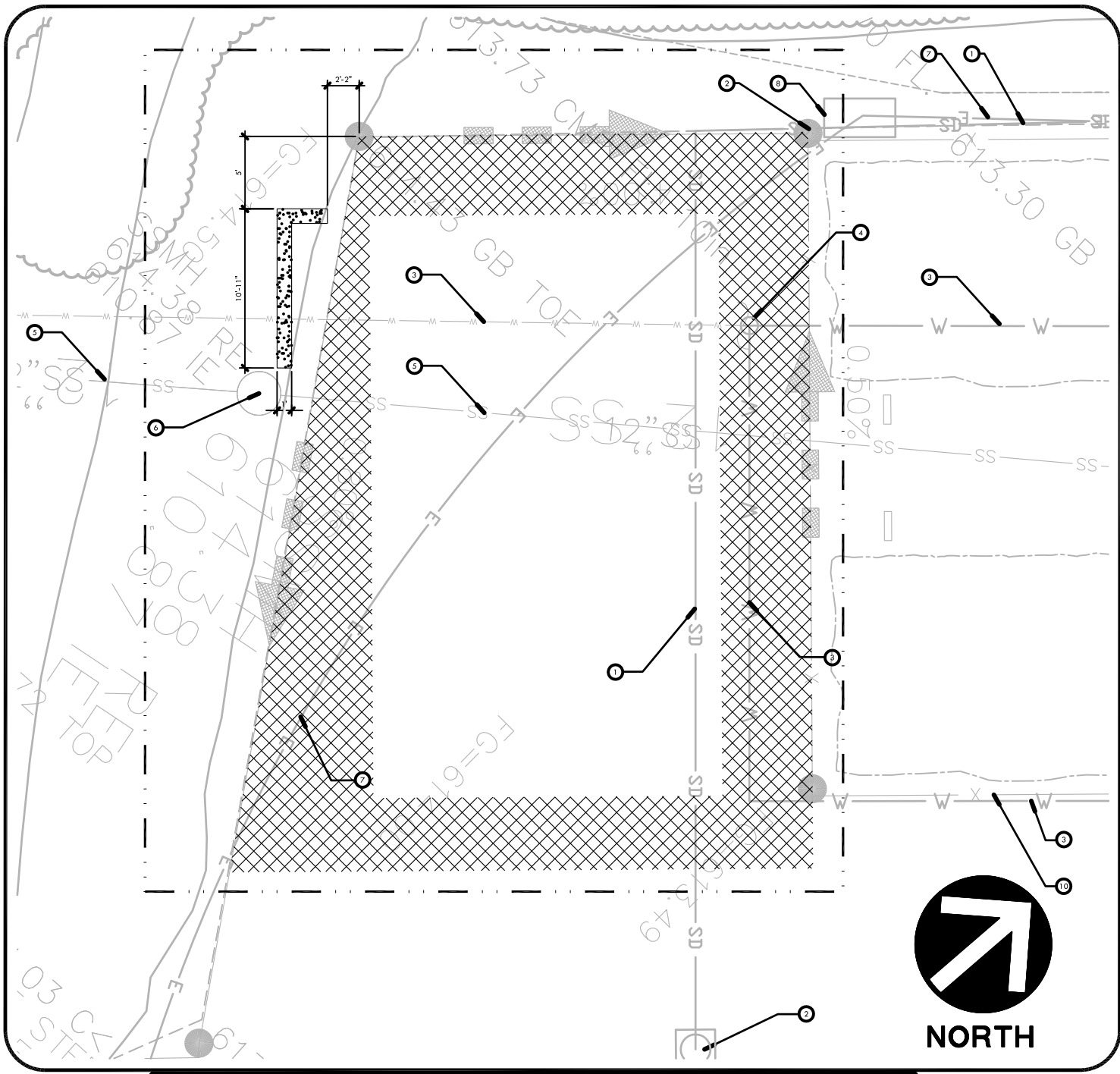
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PROJ. NO.: **1213600-1281**

SHEET NO.: **L2.1** OF 32 SHEETS



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## DEMOLITION LEGEND

SYM.	DESCRIPTION
	CONTRACTOR SHALL GRIND DOWN EXISTING ASPHALT PAVING AS NECESSARY TO PROVIDE POSITIVE SLOPE AWAY FROM NEW BUILDING.



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### ADDENDUM #01 Canada College Athletic Team Room

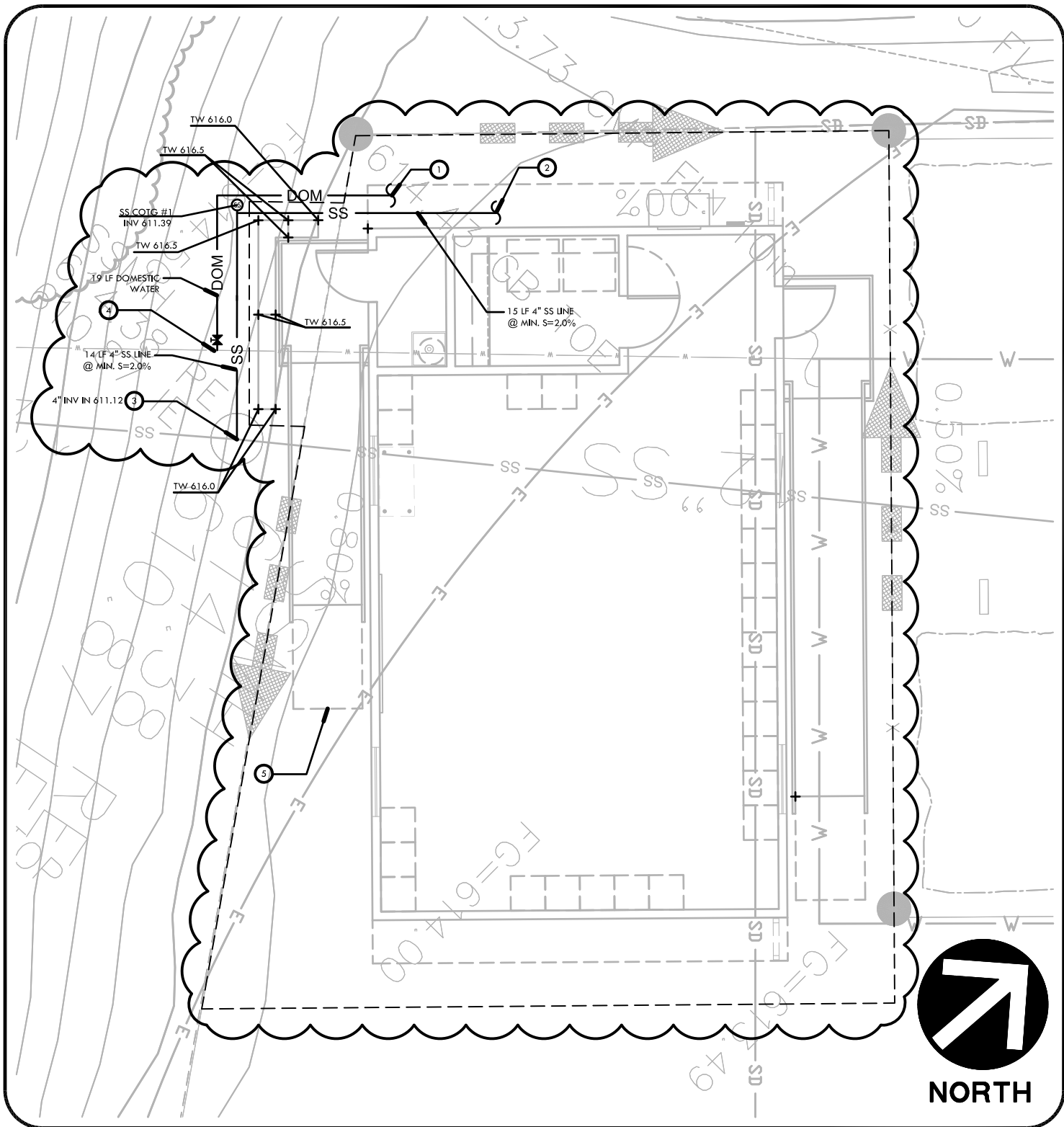
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 CHECKED BY: DC

DATE: 4/22/16  
 SCALE: 1" = 10'-0"

DA1



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**ADDENDUM #01**  
 Canada College Athletic Team Room

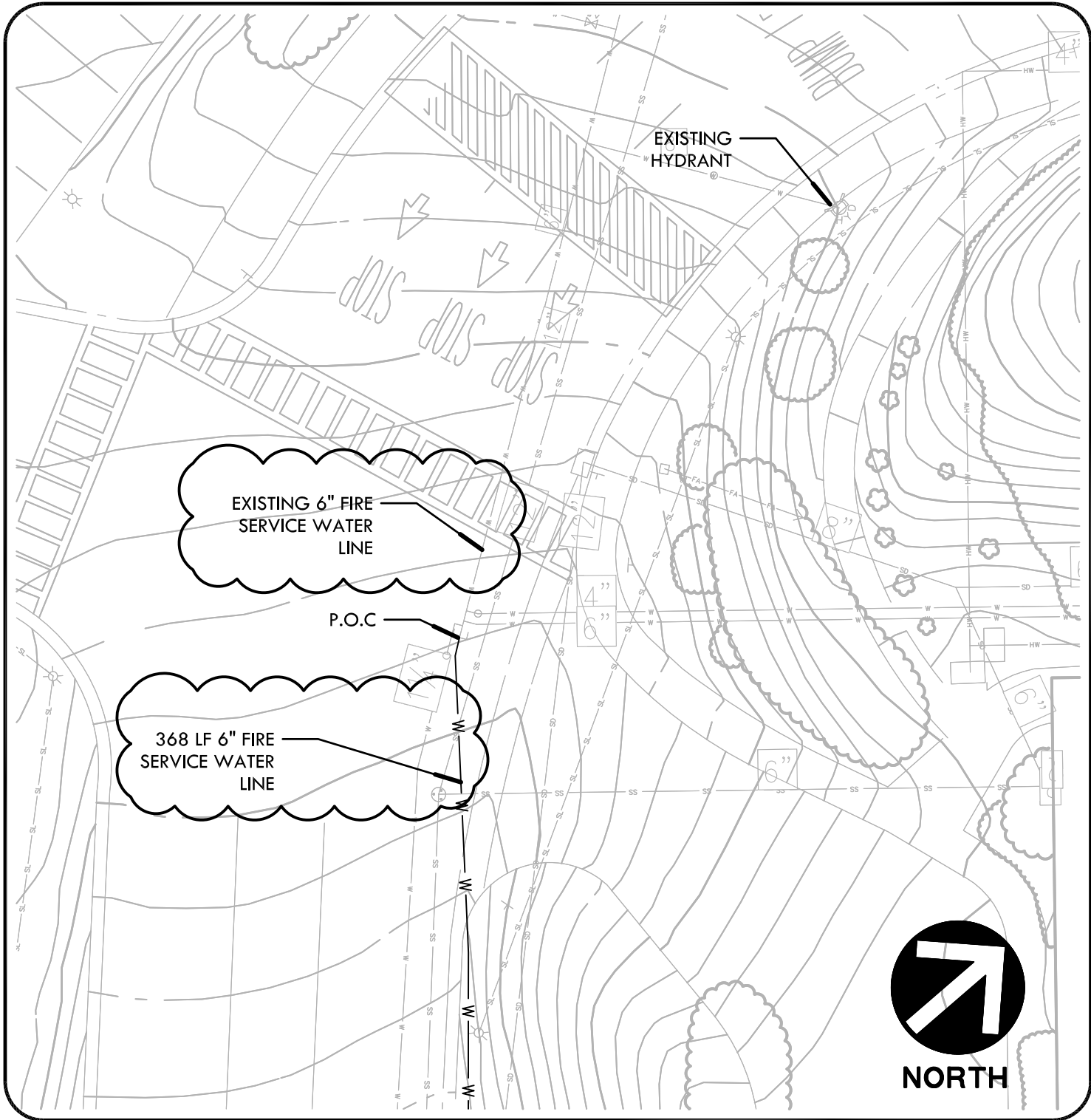
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 CHECKED BY: DC

DATE: 4/22/16  
 SCALE: 1" = 10'-0"

**DA2**



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**ADDENDUM #01**  
 Canada College Athletic Team Room

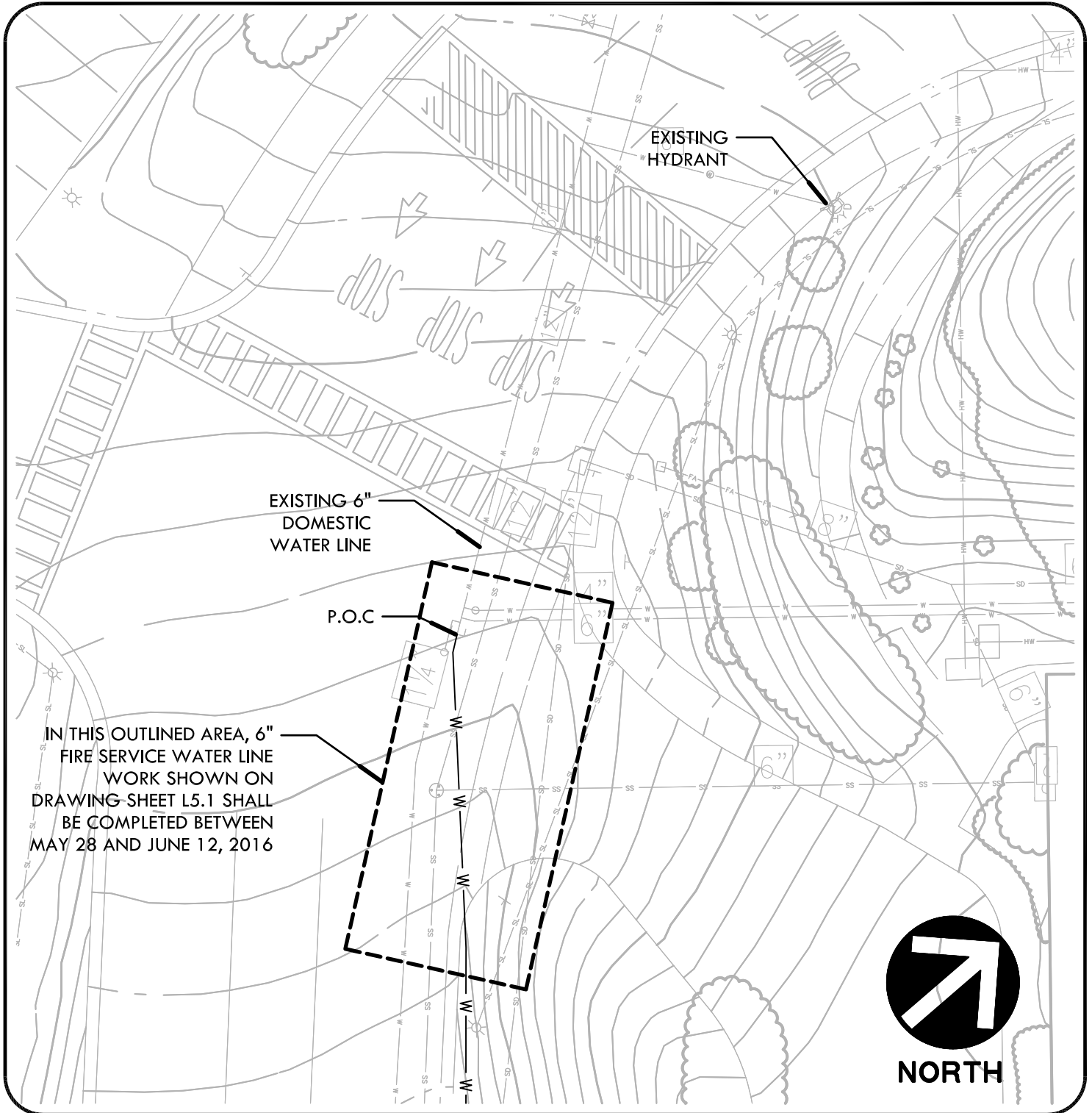
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DATE: 4/22/16  
 SCALE: 1" = 20'-0"

**DA3**



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IN THIS OUTLINED AREA, 6" FIRE SERVICE WATER LINE WORK SHOWN ON DRAWING SHEET L5.1 SHALL BE COMPLETED BETWEEN MAY 28 AND JUNE 12, 2016

EXISTING 6" DOMESTIC WATER LINE

EXISTING HYDRANT

P.O.C.



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**CANADA COLLEGE ATHLETIC  
TEAM ROOM  
FIRE SERVICE WATER LINE WORK**

VERDE PROJECT# 1312600

CHECKED BY: DC

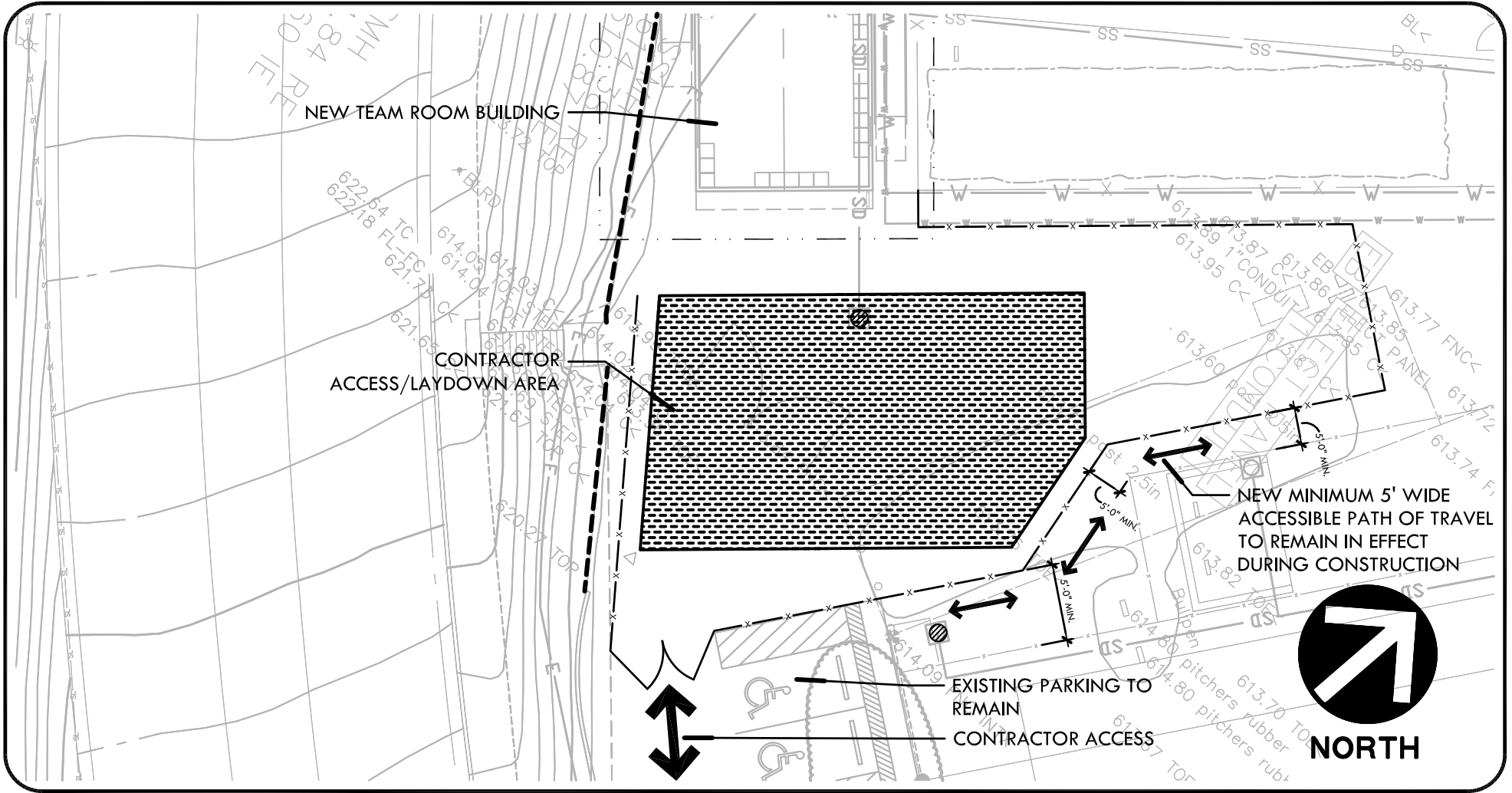
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SCALE: 1" = 20'-0"

**DA '4**



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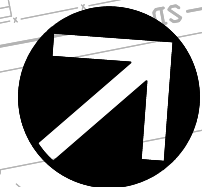
**CANADA COLLEGE ATHLETIC  
TEAM ROOM  
CONTRACTOR ACCESS AND  
LAYDOWN AREA**

VERDE PROJECT# 1312600

CHECKED BY: DC

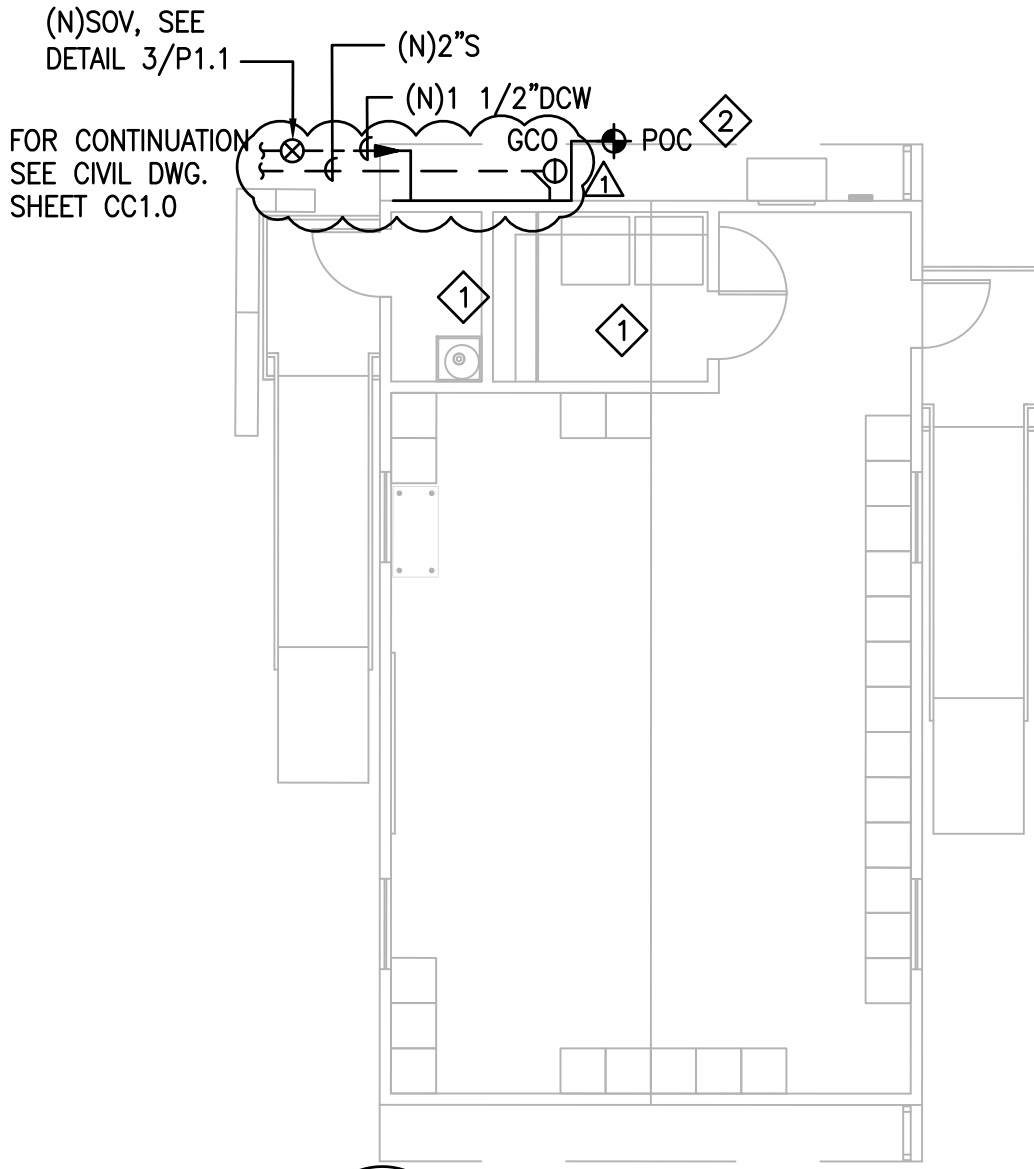
DATE: 3/31/16

SCALE: 1" = 20'-0"



**NORTH**

**DA5**



2 **PLUMBING FLOOR PLAN**  
SCALE: 1/8"=1'-0"

**SHEET NOTES:**

- 1 SERVICE SINK, WASHER, FAUCET, WATER HEATER AND ASSOCIATED PIPING WILL BE FURNISHED AND INSTALLED BY MODULAR MANUFACTURER.
- 2 CONNECT WATER AND WASTE PIPING TO MODULAR PLUMBING FIXTURES UTILITY STUB-OUTS.

**ADD# 01 - DRAWING ATTACHMENT**  
Canada College Athletic Team Rooms

Verde Project # 1312600

Date: 10/27/15

Checked By: ATCE

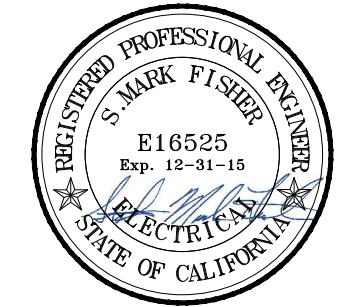
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Reference dwg: P1.1

AD1-P1

# ALFATECH

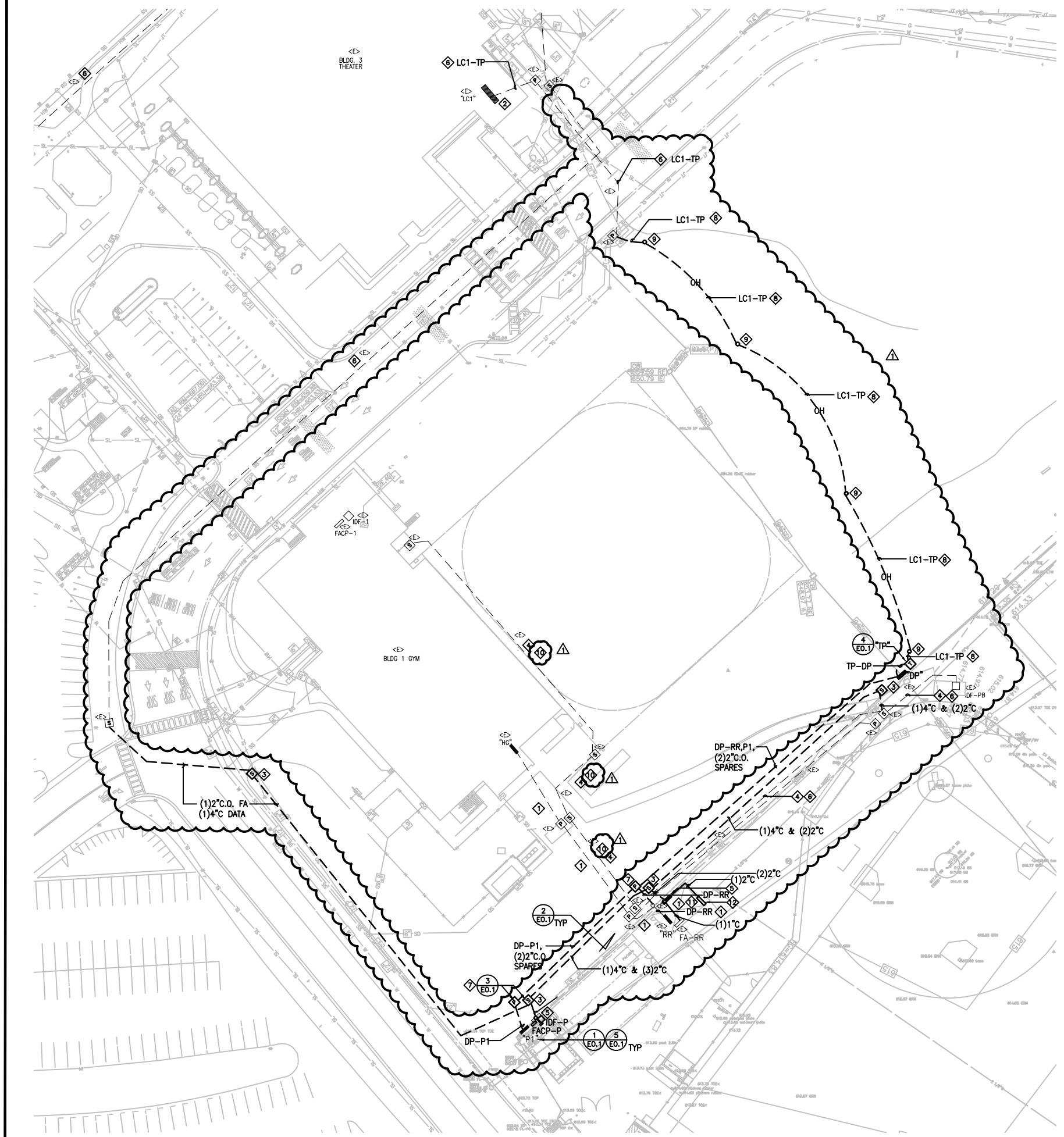
1321 RIDDER PARK DRIVE, SUITE 50 408-487-1200  
 SAN JOSE, CALIFORNIA 95131 FAX: 408-487-1422  
 SAN JOSE • SAN FRANCISCO • THAILAND • SINGAPORE  
 SYDNEY • MELBOURNE • DUBLIN • CORK • LONDON • DUBAI  
 AT Project No. 214390



Date Signed 03.30.16

**SHEET NOTES:**

- 1 DISCONNECT AND REMOVE <E> 208V FEEDER TO PANEL "RR" BACK TO BLDG. 1. INTERCEPT AND EXTEND <E> FEEDER CONDUCTORS FOR CONNECTION TO NEW "DP" PANEL.
- 2 PROVIDE (1) 175A/3P BREAKER AT <E> 480V LOAD CENTER 1 "LC1" <E> SPACES. THE NEW BREAKER SHALL BE COMPATIBLE WITH <E> PANEL AIC RATING.
- 3 PROVIDE 24"X36" CONCRETE PULL BOXES WITH TRAFFIC COVERS LABELED "COMMUNICATION".
- 4 DISCONNECT AND REMOVE <E> 6ST SM FIBER AND 5PR CAT 3 CABLES BETWEEN BLDG. 1 AND PRESS BOX BACK TO BLDG. 1. REUSE <E> CONDUIT FOR INSTALLATION OF NEW FEEDER FROM BLDG. 8 MPOE TO IDF-PB. REFER TO WIRING DIAGRAM FOR CABLE INFORMATION.
- 5 PROVIDE 12"X18"X6" WP PULL BOX AT CEILING HEIGHT FOR CONDUIT RISER AND STUB INTO CEILING SPACE.
- 6 PULL CABLE IN <E> CONDUIT. SEE WIRING DIAGRAM FOR CABLE INFORMATION.
- 7 PROVIDE 24"X18" CONCRETE PULL BOXES WITH TRAFFIC COVERS LABELED "ELECT".
- 8 VERIFY EXACT ROUTING TO CLEAR FUTURE GYM/POOL PROJECT PRIOR TO TRENCHING.
- 9 PROVIDE 20' TEMPORARY POWER POLE FOR TEMPORARY AERIAL POWER CONNECTIONS.
- 10 DISCONNECT AND REMOVE <E> FA CONNECTION FROM BLDG. 1. TO RESTROOM. PROVIDE NEW CABLE CONNECTION TO THE NEW FACP AT TEAM PORTABLE VIA NEW CONDUIT.
- 11 PROVIDE CABLING FOR (1) EAS (EMERGENCY ANNOUNCEMENT SYSTEM) INTERIOR AND (1) EXTERIOR SPEAKER PER WIRING DIAGRAM. SYSTEM DEVICE INSTALLATION AND CONNECTION SHALL BE PERFORMED BY THE DISTRICT.
- 12 PROVIDE 12"X12"X6" WP PULL BOX ON THE WALL UNDER EAVE FOR (6) DATA JACKS WITH CAT 6 CABLES BACK TO IDF-P. COIL ADDITIONAL 30' OF CABLE FOR EACH JACK IN THE PULL BOX.

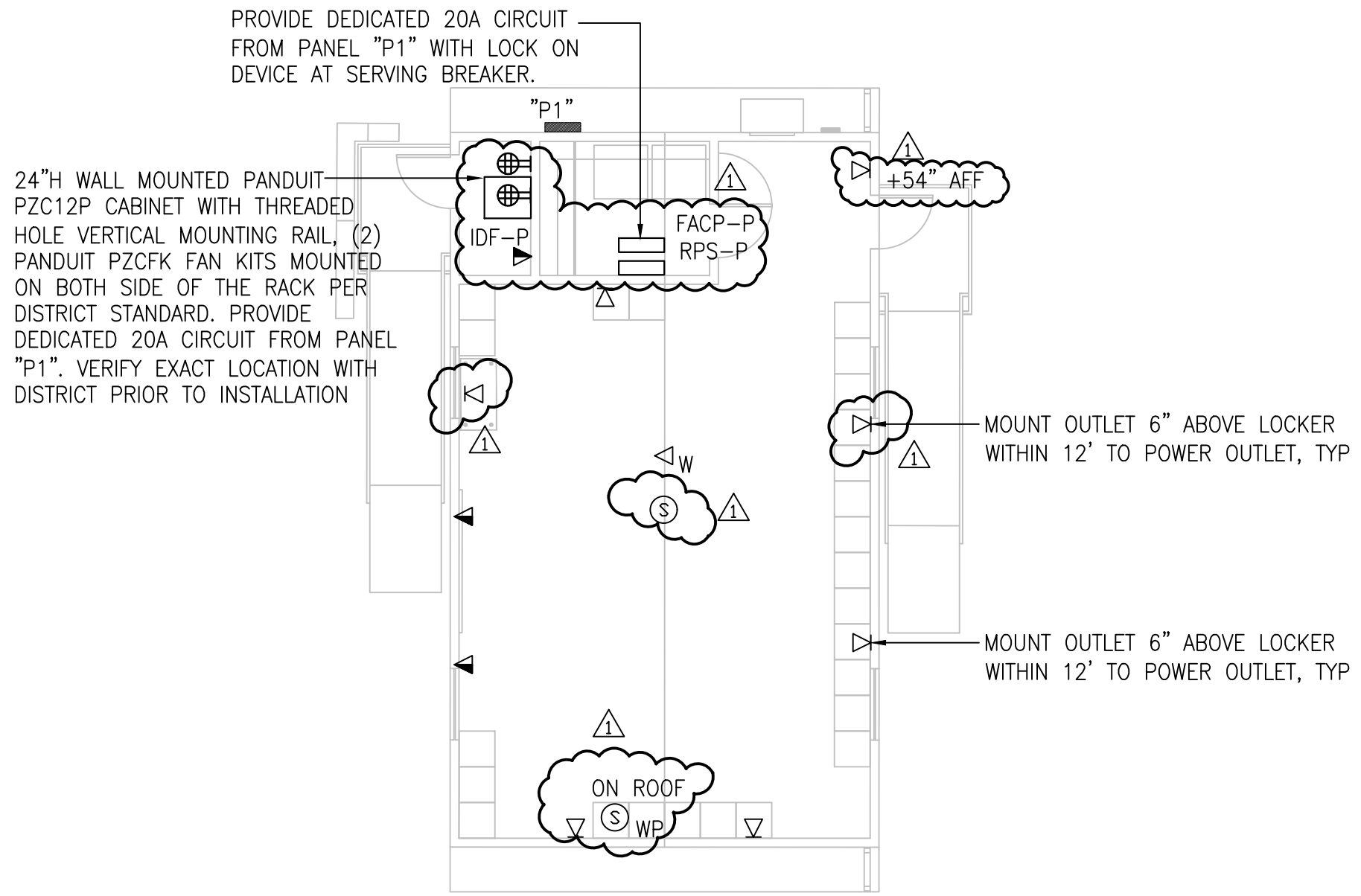


REV	DESCRIPTION	DATE

PROJECT TITLE	
<b>CANADA COLLEGE ATHLETIC TEAM ROOM</b>	
TITLE	
<b>ELECTRICAL SITE PLAN</b>	
REF:	E1.1
DATE:	3/30/16
JOB NO.	214390
SCALE:	1"=80'-0"
SHEET:	AD1 E1



Date Signed 03.30.16



1 ELECTRICAL PLAN  
 SCALE: 1/8"=1'-0"

REV	DESCRIPTION	DATE

PROJECT TITLE  
**CANADA COLLEGE  
 ATHLETIC TEAM  
 ROOM**

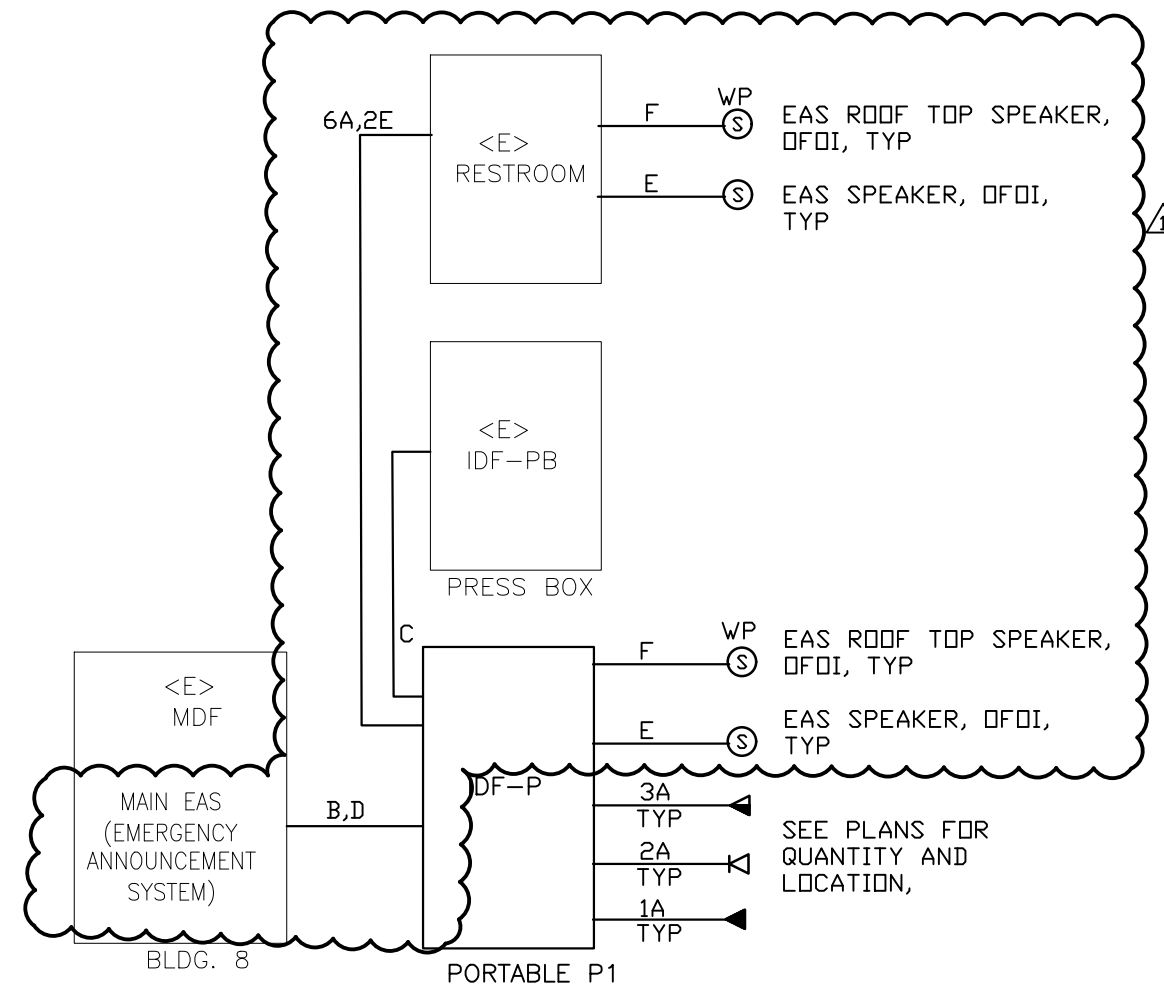
TITLE  
**ELECTRICAL PLAN**

REF: E2.1

DATE: 03/30/16 SHEET:  
 JOB NO. 214390 AD1 E2  
 SCALE: 1"=8'-0"



Date Signed 03.30.16



### CABLE LEGEND

A = 4 PR CAT 6

B = 24 ST SM FIBER, 25 PR CAT 6

C = 12 ST SM FIBER, 12 PR CAT 6

D = WESTPENN 16/2 AQUA SEAL FOR EAS (EMERGENCY ANNOUNCEMENT SYSTEM)

E = 14/2 SHIELDED AWG STRANDED COPPER WITH FIRE RETARDANT INSULATION AND INDIVIDUALLY COLOR CODED

F = WESTPENN 12/2 AQUASEAL

### NOTES:

1. ALL CABLE INSTALLED UNDERGROUND SHALL BE WATER TIGHT TYPE AND RATED FOR UNDERGROUND INSTALLATION.
2. PROVIDE PATCH PANEL TO MATCH <E>, TERMINATIONS, TESTING, AND COMMISSIONING TO ENSURE PROPER OPERATION.
3. EAS DEVICE INSTALLATION, PROGRAMMING AND TESTING SHALL BE PERFORMED BY DISTRICT.

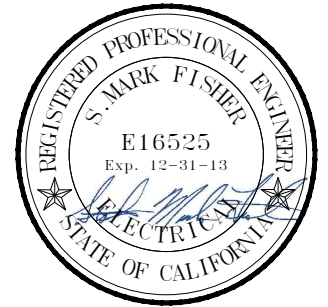
4

NOT TO SCALE

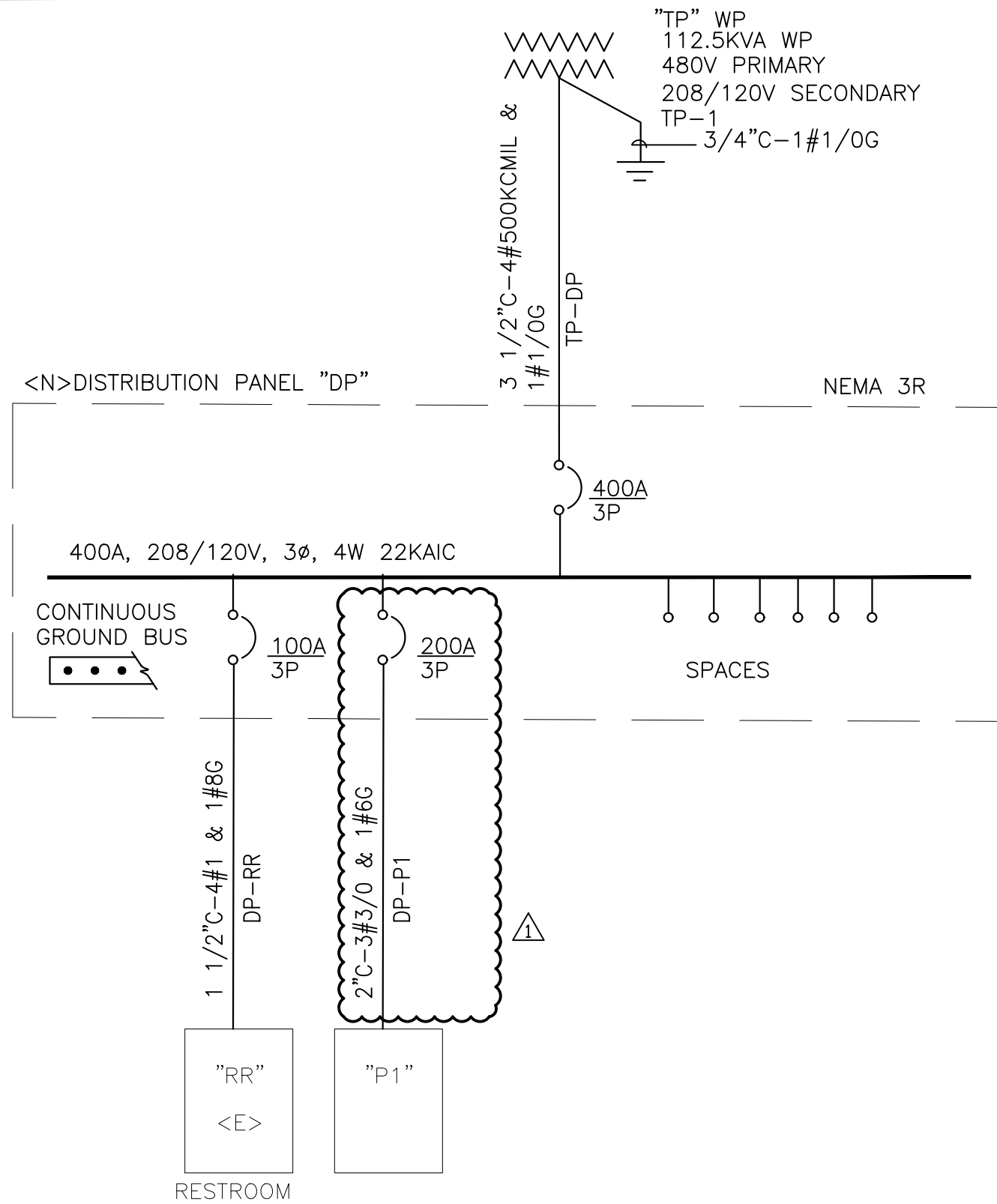
### TEL/DATA WIRING DIAGRAM

REV	DESCRIPTION	DATE

PROJECT TITLE		
<b>CANADA COLLEGE ATHLETIC TEAM ROOM</b>		
TITLE		
<b>WIRING DIAGRAM</b>		
REF:	E2.1	
DATE:	3/30/16	SHEET:
JOB NO.	214390	<b>AD1 E3</b>
SCALE:	NONE	



Date Signed 03.30.16



3

## PARTIAL SINGLE LINE DIAGRAM

NOT TO SCALE

REV	DESCRIPTION	DATE

PROJECT TITLE

### CANADA COLLEGE ATHLETIC TEAM ROOM

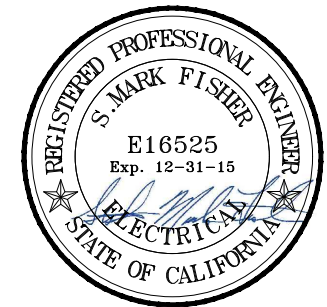
TITLE  
**PARTIAL SINGLE LINE DIAGRAM**

REF: E2.1

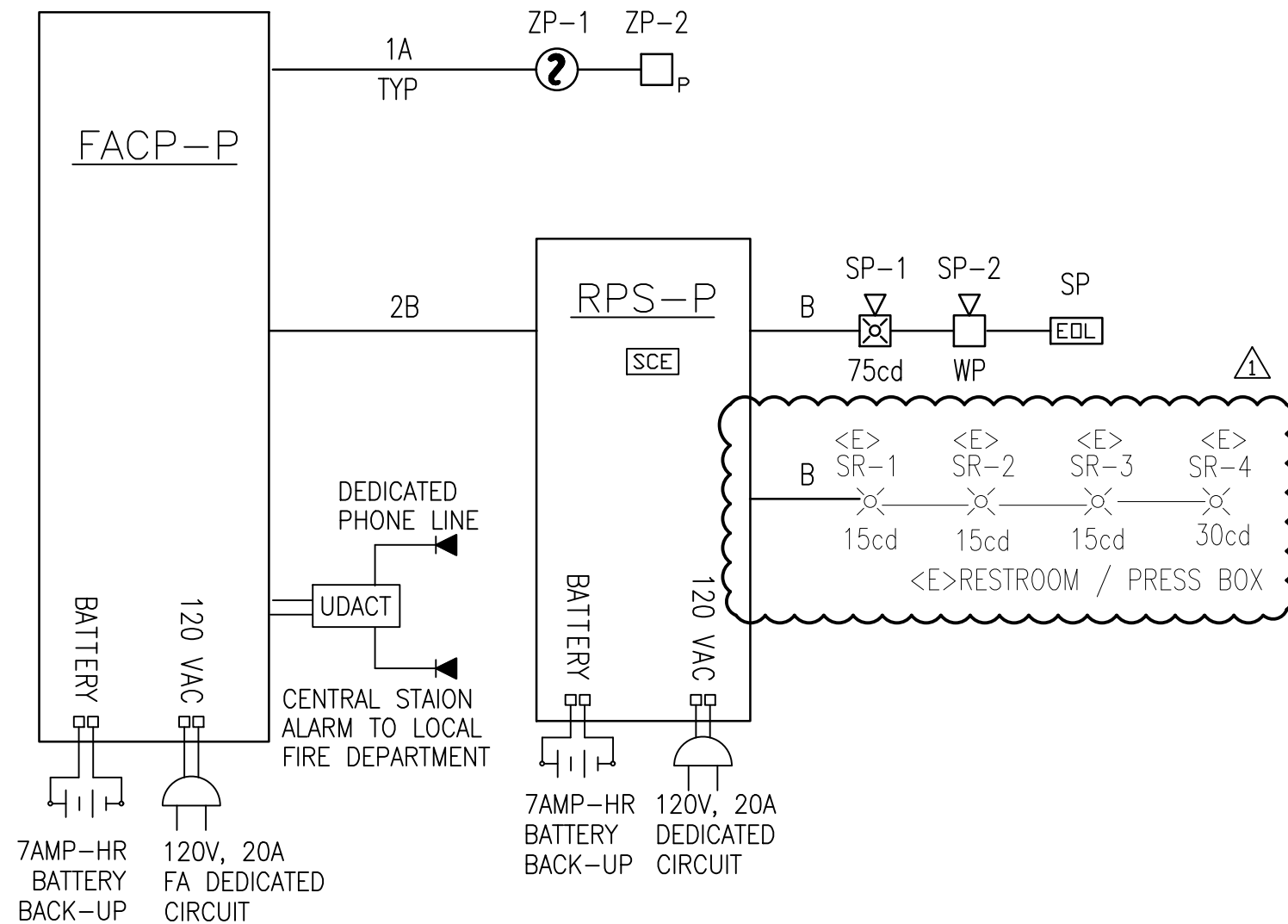
DATE: 03/30/16 SHEET: AD1 E4

JOB NO. 214390

SCALE: NONE



Date Signed 3.30.16



FIRE ALARM RISER DIAGRAM

REV	DESCRIPTION	DATE

PROJECT TITLE		
CANADA COLLEGE ATHLETIC TEAM ROOM		
TITLE		
FIRE ALARM DETAILS		
REF:	E4.1	
DATE:	03/30/16	SHEET:
JOB NO.	214390	AD1 E5
SCALE:	NONE	