

# **RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT**



## **ADDENDUM NO. 03**

**Bid #1456 CAMPUS ENTRANCE IMPROVEMENTS PROJECT  
at  
SANTA ANA COLLEGE**

Address: 1530 West 17<sup>th</sup> Street, Santa Ana, CA 92706

Project ID #3276, DSA #04-122485

**June 20, 2024**

**Owner:  
Rancho Santiago Community College District  
2323 North Broadway, Room 112  
Santa Ana, California 92706**

RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED ON BID FORM WHEN  
SUBMITTED

The following changes, additions, deletions or corrections shall become a part of the Contract Documents for the project named on the previous page and all other conditions shall remain the same. The Bidders shall be responsible for transmitting this information to all affected Subcontractors and Suppliers, prior to the closing of Bids. Prospective Bidders shall acknowledge receipt of all Addenda in the space provided on the Bid Proposal Form by the number (list every addenda). Failure to do so shall deem the Bid Proposal as non-responsive and subject the Bidder to disqualification.

**Item No. AD 3-1      Extension of Bid Due Date (see revised date in red)**

Submittal of Bid Proposals. All Bid Proposals must be submitted on forms furnished by the District prior to 2:00 P.M., ~~Wednesday, May 15, 2024, Thursday, June 20, 2024~~ **Tuesday, July 9, 2024**, the last time for submission of Bid Proposals and the District's public opening and reading of Bid Proposals. Submit Bids to RSCCD Facility Planning, Construction and District Support Services at 2323 North Broadway, Suite 112, Santa Ana, CA 92706. Bidders are solely responsible for timely submission of Bid Proposals to the District at the designated location. The District shall not be responsible for any delays or issues with mail delivery. Any bid received after the scheduled closing time for receipt of bids shall be returned to the bidder unopened. Bid Summary will be posted on the District's website ([www.rsccd.edu](http://www.rsccd.edu) then click on "[Bid Opportunities](#)").

**Item No. AD 3-2      DSA Addendum to Construction Documents**

See attached DSA Addendum No. 1 & 2 for revisions to the Construction Documents

**Item No AD 3-3      Logistics Plan**

See attached Appendix "A" Logistics Plan

**Item No AD 3-4      Supplementary Conditions**

See attached revised Supplementary Conditions

Enclosures

**This is the end of Addendum No. 03**

# Addendum #03



Santa Ana + Oakland + San Diego + Honolulu

SVA Architects, Inc.

6 Hutton Centre Drive, Suite 1150  
Santa Ana, California 92707  
T 949.809.3380

info@sva-architects.com  
www.sva-architects.com

**Project:** Santa Ana College Campus Entrance Improvements

**Owner:** Rancho Santiago Community College District  
2323 N. Broadway, Suite 112, Santa Ana, CA 92706-1640

**Project Manager:** Paul Smith, RSCCD

**Architect:** SVA Architects, Inc.  
3 MacArthur Place, Suite 850, Santa Ana, CA 92707

## DSA ADDENDUM NO: 01 & 02

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DATE: 06.10.2024

### REVISION:

*Note: The following revisions and clarifications to the Contract Documents (plans) shall become a part of the Contract Documents. All bidders are required to incorporate all necessary changes, additions, or deductions into their proposals.*

### DSA ADDENDUM NO. 01

#### 1. CIVIL

- A. CD-1.0, Site Demolition Plan: Revised removal note #11, to now state: *“remove and salvage existing camera and light pole and demolish its foundation in its entirety. Reinstall existing camera and light pole onto new foundation after construction of new curb median.”*
- B. CD-1.0, Site Demolition Plan: Revised removal note #12, to now state: *“remove, salvage, and relocate existing exterior cane detection rails. Reinstall and attach cane detection rails at its original location per architectural drawings.”*
- C. CD-1.0, Site Demolition Plan: Added removal note #26 on the site plan adjacent to Building “H” to indicate: *“remove, salvage and reinstall existing ADA door opener bollard with push plate and its conduit. Reinstall door opener bollard at its original location and adjust to new pavement grade as necessary.”*
- D. CD-1.0, Site Demolition Plan: Revised protect-in-place note #42, to now indicate: *“protect in place existing electrical vault.”* Added the protect-in-place note #42 on the site plan near and below to Building “X”.

## Santa Ana College Campus Entrance Improvements

### DSA Addendum 1 & 2 – Statement of Revisions and Clarifications

06/10/2024

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- E. CD-1.0, Site Demolition Plan: Removed protect-in-place note #59 in its entirety, (*protect in place existing electrical vault*).

## 2. ARCHITECTURAL

- A. A-11.1, Enlarged Improvements Site Plan: Added keynote #505, to indicate: *“reinstall salvaged existing exterior cane detection guide rail on each side of door at its original location – attach to (e) wall and (n) finish pavement. Refer to detail 3/A-11.1 for anchoring info.”* Added the keynote #505 on the site plan adjacent to Building “H” on the East.
- B. A-11.1, Enlarged Improvements Site Plan: Added detail 3 on the left side of the sheet, to provide information on anchoring the existing exterior cane detection guide rail that will need to be reused.
- C. A-11.1, Enlarged Improvements Site Plan: Added keynote #1001, to indicate: *“reinstall and attach existing ADA door opener bollard at its original location and adjust to new pavement grades – reconnect to existing electrical conduit. Refer to detail 2/A-11.1 for required height installation info.”* Added the keynote #1001 on the site plan adjacent to Building “H” on the East.
- D. A-11.1, Enlarged Improvements Site Plan: Added detail 2 on the left side of the sheet, per DSA’s request to illustrate the required height of the bollard.
- E. A-11.1, Enlarged Improvements Site Plan: Added keynote #2603, to indicate: *“reinstall and mount existing camera and pole onto new concrete foundation – refer to electrical drawings for mounting and new concrete foundation base detail.”* Added the keynote #2603 on site plan within the new center median at the drive aisle, including located the camera pole’s concrete base.

## 3. LANDSCAPE

- A. L-2.1, Landscape Construction Details: Revised note #2 in detail 4/L-2.1 to indicate the total number tiles at each concrete low wall, (12 low walls – 24 tiles total).
- B. L-2.2, Landscape Construction Details: Revised note #1 in detail 2/L-2.2 to indicate: *“install (6) Classics round open top receptacle (51 gallon) by Rubbermaid. Model #FGS55ETBKPL. Finish: Perforated Meal. Color: Textured Black. Secure receptacles to concrete paving with 1/2” X 3-3/4” zinc plated wedge anchors with a 3” X 3” sq. zinc plated steel washer on the inside of the receptacle (4 per receptacle). Install per manufacturer’s recommendations and specifications. See landscape construction plan, sheet L-1.0 for locations.”*
- C. L-2.2, Landscape Construction Details: Removed the reference cut sheet of the 63-gallon waste receptacle and updated a new for the 51-gallon, model #FGS55ETBKPL

## Santa Ana College Campus Entrance Improvements

DSA Addendum 1 & 2 – Statement of Revisions and Clarifications

06/10/2024

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by Rubbermaid.

- D. L-4.01, Irrigation Details: Updated the Landscape Architect stamp with a new one having a non-expired renewal date, per DSA's request.
- E. L-5.0, Planting Plan: Revised keynote #2 to update the overall thickness layer of the mulch to now indicate: *“all shrubs areas to receive a 4” layer of mulch. See sheet L-6.0 for planting notes and details.”*
- F. L-6.0, Planting Details: Revised keynote #19 in detail 1/L-6.0 to update the overall thickness layer of the mulch to now indicate: *“all landscape areas (excluding turf) shall be mulched with a 4” deep layer of mulch, per specifications, at the conclusion of planning operations.”*
- G. L-6.0, Planting Details: Revised keynote #4 in detail 5/L-6.0 to update the overall thickness of the shredded bark mulch to now indicate: *“4-inch-deep shredded bark mulch around tree. See planting plans for mulch spread diameter.”*

#### 4. ELECTRICAL

- A. E-1.2, Power and Lighting Plans: Revised reconstruction keynote #16, to provide referenced detail of a new concrete base: *“Camera and pole to be removed and stored during construction of concrete walkway/median for protection. Footing to be removed, provide new footing during reinstallation. See detail 1/E1.3 for camera pole base detail.”* Located the concrete base for the pole and camera on the lighting plan, 1/E-1.2.
- B. E-1.3, Photometric Plans: Added new camera pole base detail 1/ E-1.3 on left side of sheet. The new concrete base detail to install the existing pole and camera will be in the new median at the drive aisle near the vehicular entrance / exist.

## Santa Ana College Campus Entrance Improvements

DSA Addendum 1 & 2 – Statement of Revisions and Clarifications

06/10/2024

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### DSA ADDENDUM NO. 02

#### 1. ELECTRICAL

- A. E-1.2, Power and Lighting Plans: Revised reconstruction keynote #15, to now state: *“Provide a separate neutral for circuit A-10.”* Added the keynote on the southwest corner of Building “M” of the lighting plan, 1/E-1.2.
- B. E-1.2, Power and Lighting Plans: Added new reconstruction keynote #21, to indicate: *“See pull box on lighting plan.”* Added the keynote on the west side of Building “M” of the power plan, 2/E-1.2.
- C. E-1.2, Power and Lighting Plans: Added new reconstruction keynote #22, to indicate: *“Combine all wiring for panel ‘A’. into (1) 1” conduit. Combine all wiring for inverter and panel ‘B’ (see power plan) into (1) 1” conduit.”* Added the keynote on the west side of Building “M” of the lighting plan, 1/E-1.2.
- D. E-1.2, Power and Lighting Plans: Added new reconstruction keynote #23, to indicate: *“Enter Building M on southeast corner, stub up into 8X6 surface mounted pull box and stub in above Building M, curb into building wall. Run conduit and wiring inside wall into ceiling space and route conduit and wiring back to Electrical Room. Provide framing and plaster to match existing exterior around exposed conduit to hide electrical conduit.”* Added the keynote on the west side of Building “M” of the lighting plan, 1/E-1.2.
- E. E-1.2, Power and Lighting Plans: Added a note to provide information on the type and size of the conduit running from the center median at the pick-up/drop-off area to the new pull box adjacent to Building “M”. Added the note between the center media of the pick-up/drop-off area and Building “M” of the lighting plan, 1/E-1.2.
- F. E-1.2, Power and Lighting Plans: Relocated the location of keynote #20’s leader, which is now pointing at the conduit between a light pole fixture and new pull box. The keynote is located west of Building “M” of the lighting plan, 1/E-1.2.
- G. E-1.2, Power and Lighting Plans: Relocated the location of the note on the type and size of the conduit of B-4, which is now pointing at the conduit on the west side of the new pull box. The keynote is located west of Building “M” of the power plan, 2/E-1.2.
- H. E-5.1, Electrical Details and Schedules: Revised and updated the panel ‘B’s’ existing load information, including the total panel load on detail 9/E-5.1.
- I. E-5.1, Electrical Details and Schedules: Added new note #3 on the panel ‘B’ schedule to indicate: *“Tapped into main lugs.”* Added the note on the panel ‘B’ schedule on detail 9/E-5.1.

**ATTACHMENTS: CD-1.0, A-11.1, L-2.1, L-2.2, L-4.01, L-5.0, L-6.0, E-1.2, E-1.3, E-5.1**



## APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval. This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the [DSA Forms](#) or [DSA Publications](#) webpages.

### 1. SUBMITTAL TYPE: (Is this a resubmittal? Yes No )

Deferred Submittal <input type="checkbox"/>	Addendum Number:	Revision Number:	CCD Number:	Category A <input type="checkbox"/> or B <input type="checkbox"/>
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### 2. PROJECT INFORMATION:

School District/Owner:	DSA File Number:
Project Name/School:	DSA Application Number:

### 3. APPLICANT INFORMATION:

Date Submitted:	Attached Pages? No <input type="checkbox"/> Yes <input type="checkbox"/> Number of pages?		
Firm Name:	Contact Name:		
Work Email:	Work Phone:		
Firm Address:	City:	State:	Zip Code:

### 4. REASON FOR SUBMITTAL: (Check applicable boxes)

<input type="checkbox"/> For revision or addendum prior to construction.	<input type="checkbox"/> For a project currently under construction.
<input type="checkbox"/> For a project that has a form DSA 301-N: Notification of Requirement for Certification, DSA 301-P: Posted Notification of Requirement for Certification or a 90-Day Letter issued.	
<input type="checkbox"/> To obtain DSA approval of an existing uncertified building or buildings.	
<input type="checkbox"/> For Category B CCD this is: <input type="checkbox"/> a voluntary submittal, <input type="checkbox"/> a DSA required submittal (attach DSA notice requiring submission).	

### 5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE:

Name of the Design Professional In General Responsible Charge:	
Professional License Number:	Discipline:

**Design Professional in General Responsible Charge Statement:** The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project.

Signature: *Rahm. Amara*  
DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

### 6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:

For addenda, revisions, or CCDs: CHECK THIS BOX  to confirm that *all* post-approval documents have been stamped and signed by the Responsible Design Professional listed on form DSA 1: Application for Approval of Plans and Specifications for this project. (For Deferred Submittals, refer to IR A-18: Use of Construction Documents Prepared by Other Professionals, and IR A-19: Design Professional's Signature and Seal (Stamp) on Construction Documents, when applicable, for signature and seal requirements.)

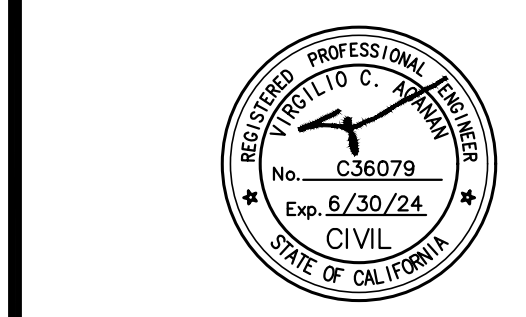
Provide a brief description of construction scope for this post-approval document (attach additional sheets if needed):

List of DSA-approved drawings affected by this post-approval document:

DSA USE ONLY		Returned	DSA STAMP
SSS _____ Date _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required	Comments: _____	Date:	
FLS _____ Date _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required		By:	
ACS _____ Date _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required	Comments: _____		

RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT  
SANTA ANA COLLEGE CAMPUS ENTRY IMPROVEMENTS  
PROJECT

1530 W 17th St, Santa Ana, CA 92706



REVISIONS:

NO.	DESCRIPTION	DATE
1	ADDENDUM 1	05/14/2024

DATE ISSUED: 2021-07-19  
PROJECT NO: 2020-40160  
DSA APPLICATION NO: 04-122485  
SCALE: \_\_\_\_\_  
SHEET NUMBER: \_\_\_\_\_  
SHEET TITLE: **CD-1.0**

**SITE DEMOLITION PLAN**



6 HUTTON CENTER DR, SUITE 1150 SANTA ANA, CA 92707  
T 949.809.3380 WWW.SVA-ARCHITECTS.COM

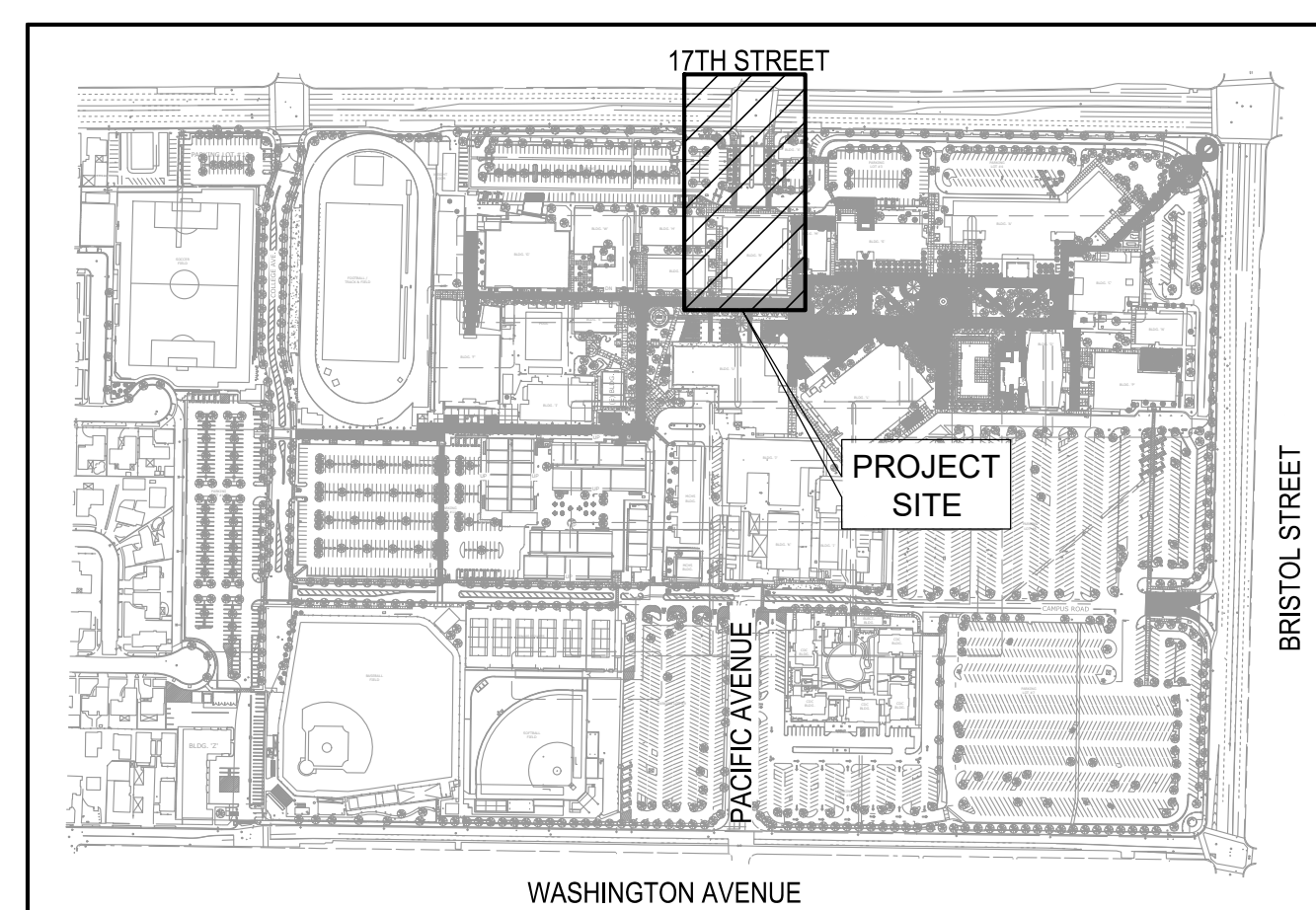
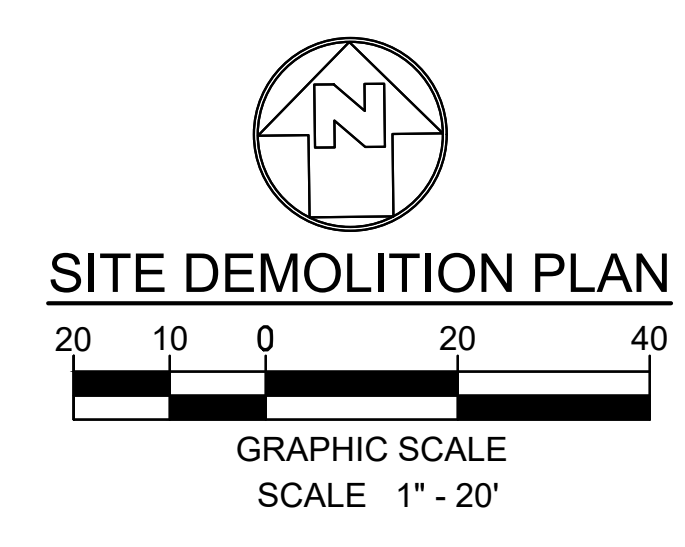
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- REMOVAL NOTES:**
- REMOVE EXISTING 3" AC PAVEMENT OVER 9.5" THICK BASE MATERIAL, FULL DEPTH.
  - REMOVE EXISTING 4" CONCRETE PAVEMENT WITH #3 REBAR @ 18" O.C EACH WAY OVER 6" THICK BASE MATERIAL, FULL DEPTH.
  - REMOVE, SALVAGE AND RELOCATE EXISTING LIGHT POLE PER ELECTRICAL DRAWINGS.
  - CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS. REMOVE EXISTING IRRIGATION LATERALS AND HEADS PER LANDSCAPE DRAWINGS.
  - REMOVE EXISTING CONCRETE CURB IN ITS ENTIRETY.
  - REMOVE EXISTING 3.50" THICK PAVERS OVER 1.5" SAND OVER EXISTING AC/CC PAVEMENT SECTION OVER BASE MATERIAL, FULL DEPTH.
  - REMOVE EXISTING TREE PER LANDSCAPE DRAWINGS.
  - REMOVE EXISTING WATER VALVE IN ITS ENTIRETY.
  - REMOVE EXISTING 7" PCC OVER 6" CLASS 2 CRUSHED AGGREGATE BASE WITH #3 REBAR @ 18" O.C. EACH WAY, FULL DEPTH.
  - REMOVE EXISTING 7" CONCRETE PAVEMENT WITH #4 REBAR @ 12" O.C EACH WAY OVER 6" THICK BASE MATERIAL, FULL DEPTH.
  - REMOVE AND SALVAGE EXISTING CAMERA AND LIGHT POLE AND DEMOLISH ITS FOUNDATION IN ITS ENTIRETY. REINSTALL EXISTING CAMERA AND LIGHT POLE ONTO NEW FOUNDATION AFTER CONSTRUCTION OF NEW CURB MEDIAN.
  - REMOVE, SALVAGE, AND RELOCATE EXISTING EXTERIOR CANE DETECTION RAILS. REINSTALL AND ATTACH CANE DETECTION RAILS AT ITS ORIGINAL LOCATION PER ARCHITECTURAL DRAWINGS.
  - REMOVE AND SALVAGE EXISTING SIGNAGE POST. REMOVE EXISTING SIGNAGE AND POST FOUNDATION IN ITS ENTIRETY. REINSTALL EXISTING SIGNAGE POST AND INSTALL NEW POST FOUNDATION AND SIGNAGE PER ARCHITECTURAL DRAWINGS.
  - REMOVE EXISTING CURB RAMP IN ITS ENTIRETY.
  - REMOVE EXISTING CONCRETE CURB AND GUTTER IN ITS ENTIRETY.
  - REMOVE EXISTING SIDE OPENING CATCH BASIN IN ITS ENTIRETY.
  - REMOVE EXISTING CATCH BASIN IN ITS ENTIRETY AND REMOVE PIPE TO EDGE OF PROJECT.
  - REMOVE EXISTING IRRIGATION CONTROL VALVE IN ITS ENTIRETY PER LANDSCAPE DRAWINGS. REINSTALL NEW IRRIGATION SYSTEM AFTER CONSTRUCTION PER LANDSCAPE DRAWINGS.
  - REMOVE EXISTING GAS REGULATOR, CAP AND PLUG EXISTING GAS LINE PER PLUMBING DRAWINGS.
  - REMOVE EXISTING VAULT IN ITS ENTIRETY.
  - REMOVE, SALVAGE AND REINSTALL EXISTING LIGHT POLE PER ELECTRICAL DRAWINGS. REMOVE EXISTING CONCRETE FOUNDATION AND CONSTRUCT NEW FOUNDATION PER ELECTRICAL DRAWINGS.
  - RELOCATE EXISTING IRRIGATION CONTROL VALVE AND BOX PER LANDSCAPE DRAWINGS.
  - REMOVE AND SALVAGE EXISTING METAL SCREEN AND FOUNDATION IN ITS ENTIRETY.
  - REMOVE, SALVAGE AND REINSTALL EXISTING SIGN CABINET AFTER CONSTRUCTION PER ARCHITECTURAL DRAWINGS.
  - REMOVE EXISTING GATE POST, GATE POST FOOTING AND GATE IN ITS ENTIRETY.
  - REMOVE, SALVAGE AND REINSTALL EXISTING ADA DOOR OPENER BOLLARD WITH PUSH PLATE AND ITS CONDUIT. REINSTALL DOOR OPENER BOLLARD AT ITS ORIGINAL LOCATION AND ADJUST TO NEW PAVEMENT GRADE AS NECESSARY.

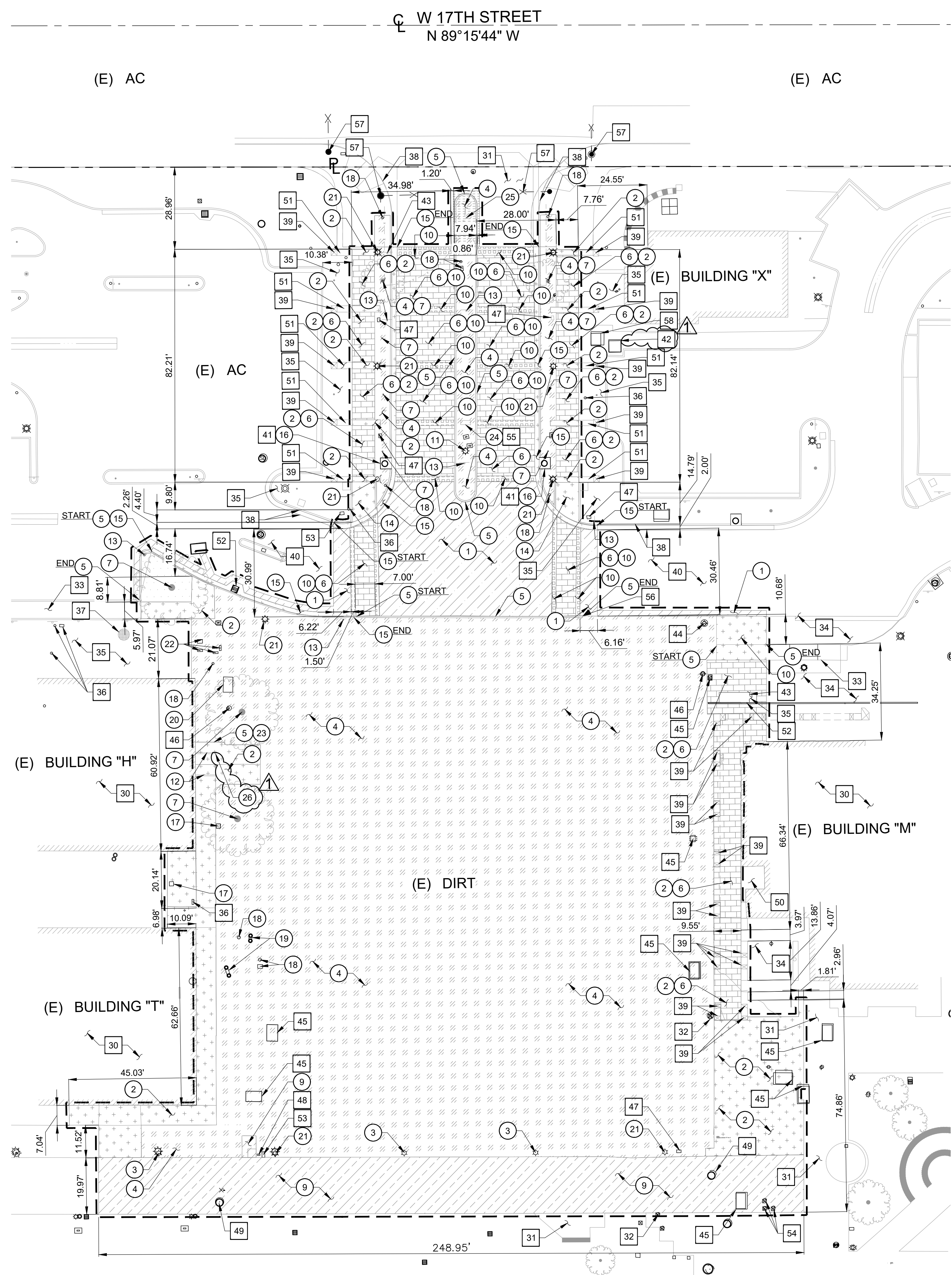
- PROTECT-IN-PLACE NOTES:**
- PROTECT EXISTING BUILDING, FOOTINGS, AND ALL APPURTENANCES IN ITS ENTIRETY.
  - PROTECT IN PLACE EXISTING CONCRETE PAVEMENT.
  - PROTECT IN PLACE EXISTING WATER VALVE. ADJUST TO DESIGN GRADES AS NEEDED.
  - PROTECT IN PLACE EXISTING CURB RAMP.
  - PROTECT IN PLACE EXISTING PAVERS.
  - PROTECT IN PLACE EXISTING PLANTER AREA.
  - PROTECT IN PLACE EXISTING IRRIGATION CONTROL VALVE. ADJUST TO NEW GRADES AS NEEDED.
  - PROTECT IN PLACE EXISTING TREE.
  - PROTECT IN PLACE EXISTING CONCRETE CURB AND GUTTER IN ITS ENTIRETY.
  - PROTECT IN PLACE EXISTING CONCRETE COLUMN AND FOOTING.
  - PROTECT IN PLACE EXISTING ASPHALT PAVEMENT.
  - PROTECT IN PLACE EXISTING OUTLET PIPE.
  - PROTECT IN PLACE EXISTING ELECTRICAL VAULT.
  - PROTECT IN PLACE EXISTING SIGN POST AND SIGNAGE IN ITS ENTIRETY.
  - PROTECT IN PLACE EXISTING STORM DRAIN CLEANOUT.
  - PROTECT IN PLACE EXISTING UTILITY VAULT. ADJUST TO DESIGN GRADES AS NEEDED.
  - PROTECT IN PLACE EXISTING CLEANOUT. ADJUST TO DESIGN GRADES AS NEEDED.
  - PROTECT IN PLACE EXISTING PULL BOX.
  - PROTECT IN PLACE EXISTING COMMUNICATION PULL BOX.
  - PROTECT IN PLACE EXISTING MANHOLE. ADJUST TO DESIGN GRADES AS NEEDED.
  - PROTECT IN PLACE EXISTING CONCRETE SLAB.
  - PROTECT IN PLACE EXISTING SEAT WALL.
  - PROTECT IN PLACE EXISTING STORM DRAIN INLET. ADJUST TO NEW DESIGN GRADES AS NEEDED.
  - PROTECT IN PLACE EXISTING ELECTRICAL PULL BOX.
  - PROTECT IN PLACE EXISTING HAND HOLE. ADJUST TO DESIGN GRADES AS NEEDED.
  - PROTECT IN PLACE EXISTING CMU BASE FOUNDATION IN ITS ENTIRETY.
  - PROTECT IN PLACE EXISTING CONCRETE CURB.
  - PROTECT IN PLACE EXISTING TRAFFIC POLE AND BASE IN ITS ENTIRETY.
  - PROTECT IN PLACE EXISTING COMMUNICATION VAULT.

- REMOVAL LEGEND:**
- REMOVE EXISTING 4" CONCRETE PAVEMENT WITH #3 REBAR @ 18" O.C. EACH WAY OVER 6" THICK BASE MATERIAL, FULL DEPTH.
  - REMOVE EXISTING 3" AC PAVEMENT OVER 9.5" THICK BASE MATERIAL, FULL DEPTH.
  - CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/SHRUBS/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY. REMOVE EXISTING IRRIGATION LATERALS AND HEADS PER LANDSCAPE DRAWINGS.
  - REMOVE EXISTING 3.50" THICK PAVERS OVER 1.5" SAND OVER EXISTING AC OR CC PAVEMENT SECTION OVER BASE MATERIAL, FULL DEPTH.
  - REMOVE EXISTING 7" CONCRETE PAVEMENT WITH #4 REBAR @ 12" O.C. EACH WAY OVER 6" THICK BASE MATERIAL, FULL DEPTH.
  - REMOVE EXISTING 7" PCC OVER 6" CLASS 2 CRUSHED AGGREGATE BASE WITH #3 REBAR @ 18" O.C. EACH WAY, FULL DEPTH.
  - REMOVE EXISTING RETAINING WALL IN ITS ENTIRETY.
  - LIMIT OF REMOVAL

- SHEET NOTES:**
- FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C-1.0.
  - SEE ARCHITECTURAL DRAWINGS FOR OTHER SITE RELATED DIMENSIONS NOT SHOWN ON THIS DRAWING.
  - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND SURFACE AND/OR UNDERGROUND UTILITIES IN CONFLICT WITH THE PROPOSED DEMOLITION AND DESIGN ITEMS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND/OR CONSTRUCTION RELATED ISSUES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
  - CONTRACTOR TO VERIFY IN FIELD THE JOINING TO EXISTING ELEVATION AND THE CURRENT SITE CONDITION WITH THE DESIGN GRADES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
  - FOR REMOVAL AND PROTECT IN PLACE OF ALL EXISTING UTILITIES, SEE SHEET CD-1.1.



**KEYMAP**  
SCALE: NOT TO SCALE



W 17TH STREET  
N 89°15'44" W

(E) AC

(E) AC

(E) BUILDING "X"

(E) AC

(E) BUILDING "H"

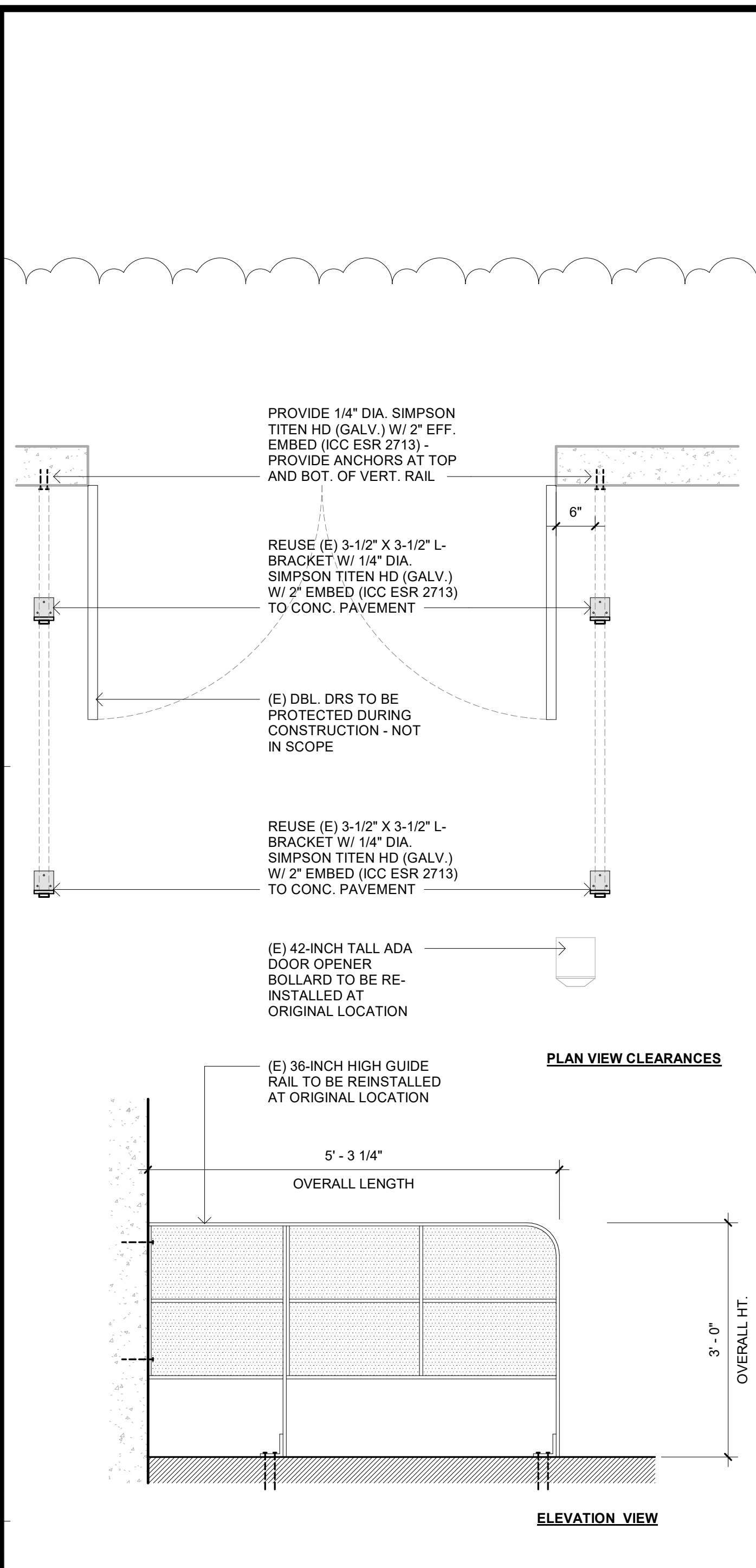
(E) BUILDING "M"

(E) DIRT

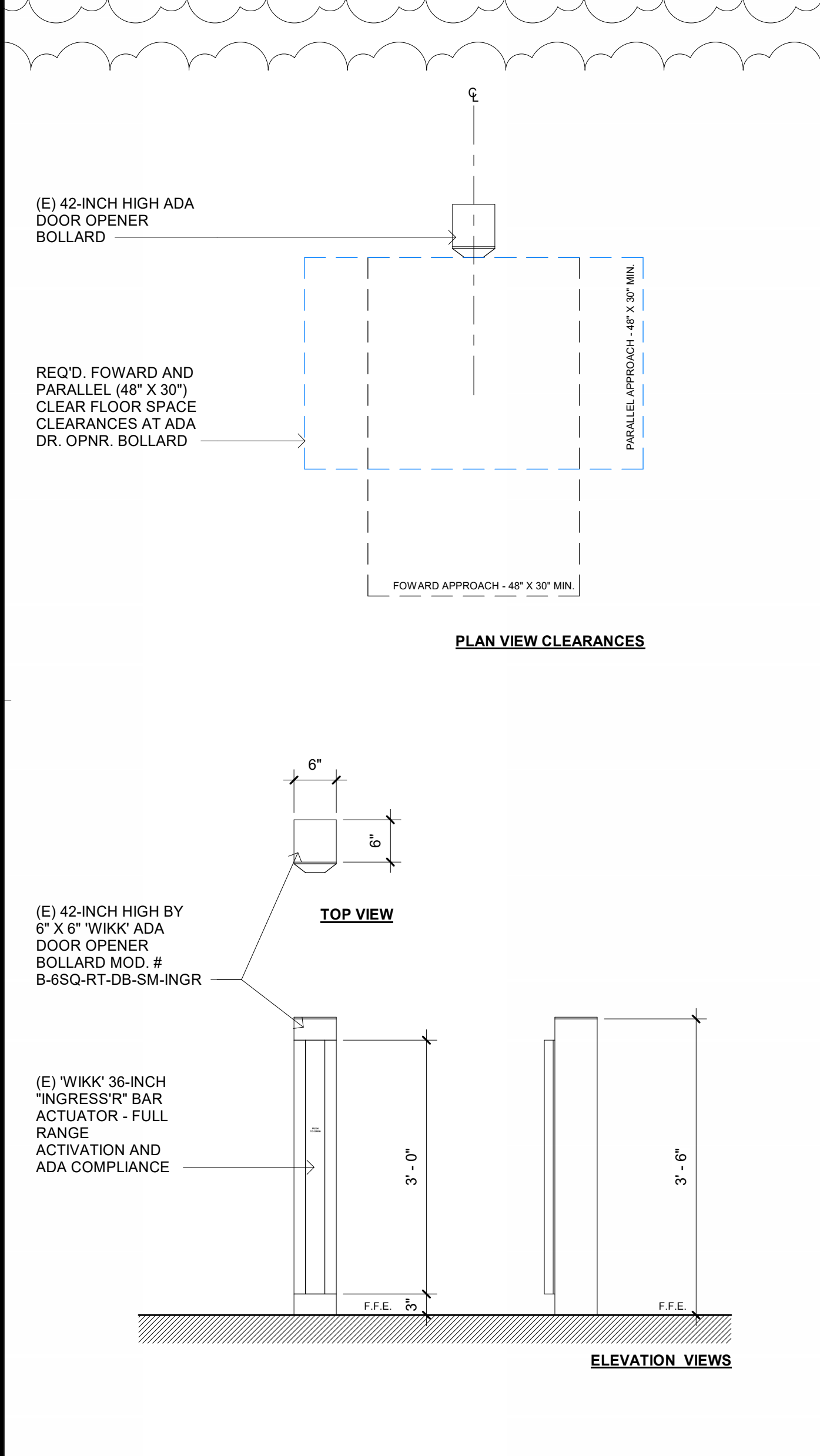
(E) BUILDING "T"

(E) BUILDING "T"

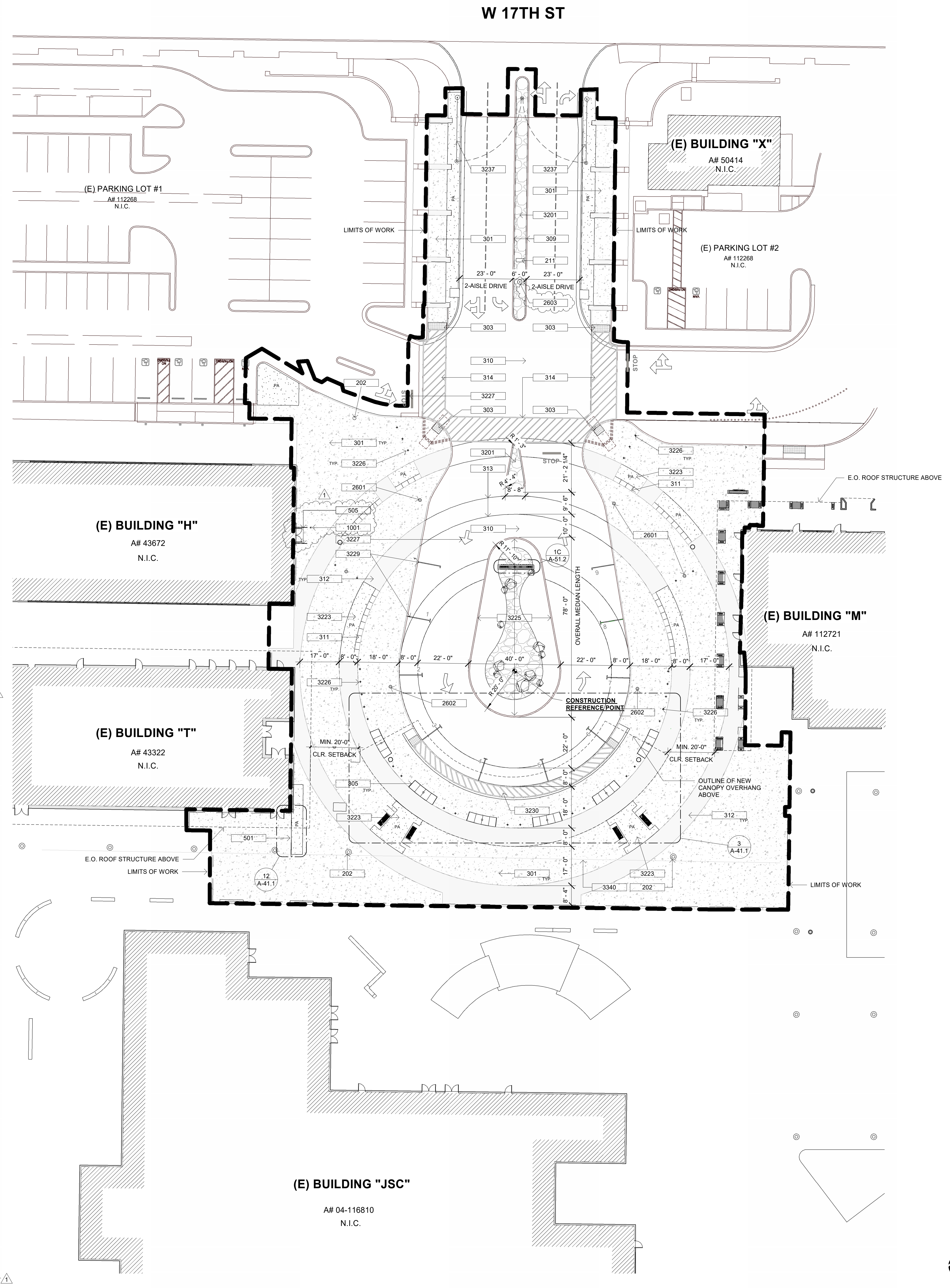




(E) DR. GUIDE RAILS - ELEVS. 3/4" = 1'-0" 3



(E) ADA DR. OPENER BOLLARD - ELEVS. 3/4" = 1'-0" 2



(E) BUILDING "JSC"  
A# 04-116810  
N.I.C.

- DESCRIPTION
- 202 EXISTING LIGHT FIXTURES & POLE TO REMAIN AND BE PROTECTED-IN-PLACE
  - 211 EXISTING CMU MONUMENT BASE TO REMAIN AND BE PROTECTED-IN-PLACE. EXISTING SIGNAGE CABINET TO BE REMOVED AND REINSTALLED AFTER CONSTRUCTION
  - 301 NEW CONCRETE PEDESTRIAN PAVING, REFER TO CIVIL DWGS. AND LANDSCAPE DWGS. FOR COLOR, FINISH & SCORING PATTERN OF SURFACE
  - 303 NEW CONCRETE ACCESSIBLE CURB RAMP - REFER TO CIVIL DWGS. AND DETAIL
  - 305 NEW POURED-IN-PLACE CONCRETE LOW WALL AT SHADE STRUCTURE, PER LANDSCAPE DWGS. AND DETAIL 4/L-2.0
  - 309 NEW CONCRETE CURB MEDIAN, REDUCED FROM 8' TO 6' IN WIDTH - REFER TO CIVIL DWGS.
  - 310 NEW VEHICULAR CONCRETE PAVEMENT, REFER TO CIVIL DWGS. AND LANDSCAPE DWGS. FOR COLOR, FINISH & SCORING PATTERN OF SURFACE
  - 311 NEW CURVILINEAR POURED-IN-PLACE CONC. LOW WALL PER LANDSCAPE DWGS.
  - 312 NEW POURED-IN-PLACE CONCRETE BAND W/ SAND FIN. - REFER TO CIVIL DWGS.
  - 313 NEW SAWCUT CONCRETE PAVEMENT, AS INDICATED - REFER TO LANDSCAPE DWGS. FOR COLOR AND FINISH OF SURFACE
  - 314 NEW CONCRETE PEDESTRIAN CROSSING AND ACCESS. - BLUE STRIPING W/ BROOM FIN., PER SHTS. A-11.2 & A-41.1
  - 501 STAINLESS STEEL GUARDRAIL PER SHEET A-41.1 & C-5.1
  - 505 REINSTALL SALVAGED EXISTING EXTERIOR CANE DETECTION RAIL ON EACH SIDE OF DOOR AT ITS ORIGINAL LOCATION - ATTACH TO (E) WALL AND (N) FINISH PAVEMENT. REFER TO DETAIL 3 / A-11.1 FOR ANCHORING INFO.
  - 1001 REINSTALL AND ATTACH EXISTING ADA DOOR OPENER BOLLARD AT ITS ORIGINAL LOCATION AND ADJUST TO NEW PAVEMENT GRADES - RECONNECT TO EXISTING ELEC. CONDUIT. REFER TO DETAIL 2 / A-11.1 FOR REQ'D HT. INSTALLATION INFO.
  - 2601 NEW EXTERIOR LIGHT FIXTURE POLE W/ CONCRETE COLLAR, PER ELECTRICAL DWGS. AND FIXTURE SCHEDULE AND LANDSCAPE DWG. FOR COLLAR
  - 2602 RELOCATED EXTERIOR LIGHT FIXTURE POLE W/ CONCRETE COLLAR, PER ELECTRICAL DWGS. AND FIXTURE SCHEDULE AND LANDSCAPE DWGS. FOR COLLAR
  - 2603 REINSTALL AND MOUNT EXISTING CAMERA AND POLE ONTO NEW CONCRETE FOUNDATION - REFER TO ELEC. DWGS. FOR MOUNTING AND NEW CONCRETE FOUNDATION BASE DETAIL
  - 3201 NEW COBBLE PAVING MEDIAN - REFER TO LANDSCAPE DWGS.
  - 3223 NEW LANDSCAPE AND PLANTING AREA, PER LANDSCAPE DWGS.
  - 3225 CENTRAL MEDIAN W/ CONCRETE CURB AROUND PERIMETER W/ DECORATIVE ROCK MATERIAL - REFER TO LANDSCAPE DWGS. AND DETAIL 3 / L-2.1
  - 3226 NEW PEDESTRIAN LIGHT BOLLARD, PER LANDSCAPE DWGS. AND DETAIL 4/L-2.2 & ELEC. DWGS. AND LIGHT FIXTURE SCHEDULE
  - 3227 NEW PAVEMENT STRIPING AND LETTERING, AS INDICATED. REFER TO DETAILS FOR ADD'L. INFO. ON SHT. A-41.1
  - 3229 NEW DROP-OFF / PICK-UP LANE PAVEMENT MARKINGS. REFER TO STRIPING PLAN ON SHT. A-11.2
  - 3230 PAINTED 60-INCH WIDE ACCESS AISLE SERVING THE ACCESSIBLE PULL-UP SPACES AT THE PASSENGER DROP-OFF AND LOADING ZONE ACCESS - REFER TO ARCH. SHT. A-41.1 AND CIVIL DWGS. FOR ADD'L. INFO.
  - 3237 NEW VEHICULAR ACCESS SWING GATE AT ENTRY. REFER TO LANDSCAPE DWGS.
  - 3340 NEW TRENCH DRAIN - REFER TO CIVIL DWGS. FOR ADD'L. INFO.

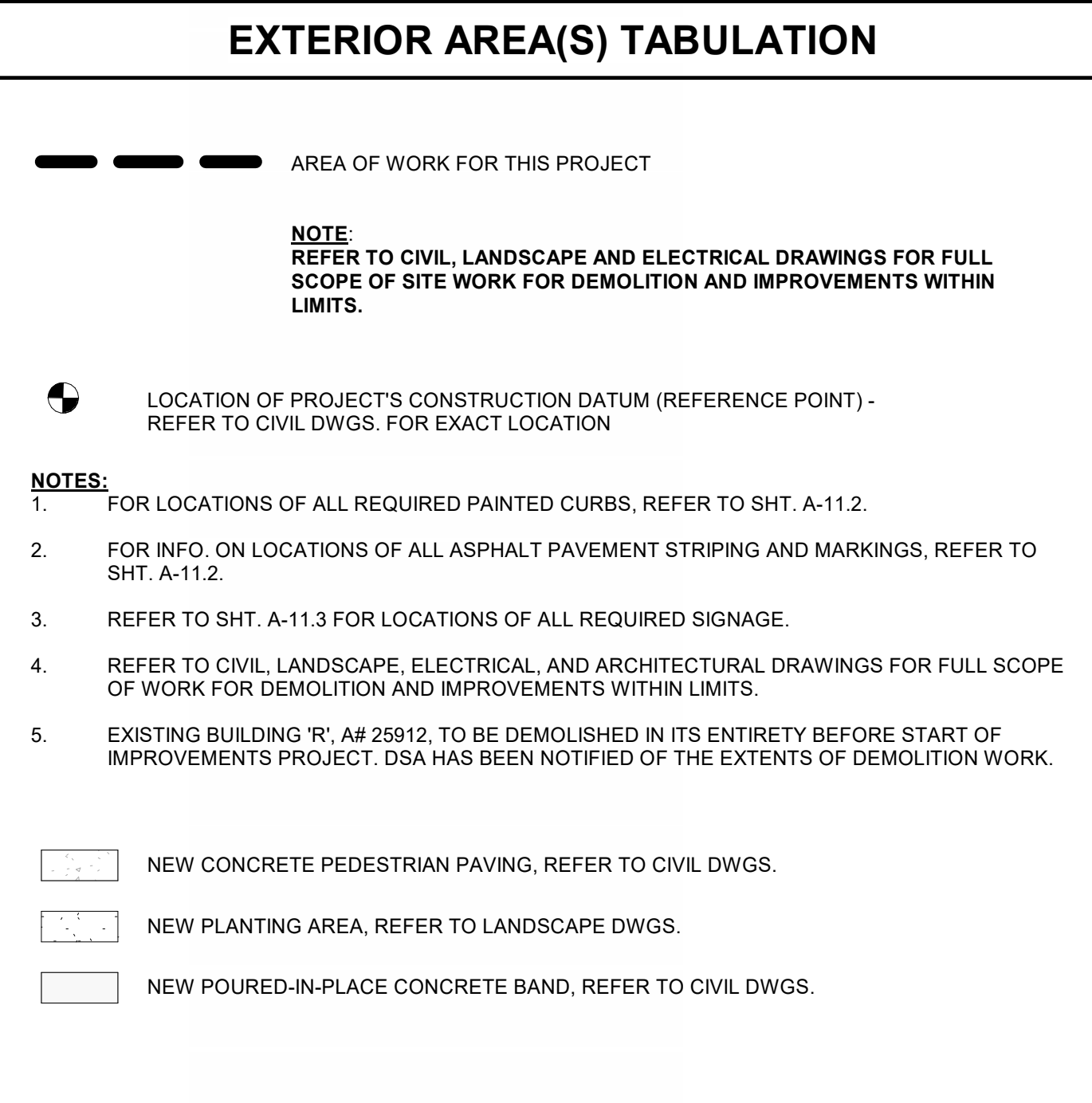
KEYNOTES

EXTERIOR HARDSCAPE + SOFTSCAPE AREA(S)	PROVIDED
PEDESTRIAN PLAZA	\$28,962 S.F.
HAIR LOOP DRIVE AISLE	\$9,907 S.F.
HAIR LOOP MEDIAN(S)	\$2,556 S.F.
PROPOSED LANDSCAPE AREAS	\$1,391 S.F.
MAIN ENTRANCE DRIVE AISLE(S)	\$8,024 S.F.
MAIN ENTRANCE MEDIAN	\$628 S.F.
MAIN ENTRANCE WALKWAY(S)	\$1,446 S.F.
(E) LANDSCAPE AREAS	\$1,000 S.F.

REVISIONS:

DESCRIPTION	DATE
ADDENDUM 1	5/3/2024

DATE ISSUED: 2021-07-19  
PROJECT NO: 2020-40160  
DSA APPLICATION NO: 04-122485  
SCALE: As indicated  
SHEET NUMBER: A-11.1  
SHEET TITLE:



SITE PLAN LEGEND

RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT

SANTA ANA COLLEGE  
CAMPUS ENTRY IMPROVEMENTS PROJECT  
IMPROVEMENTS PROJECT

1530 W 17th St, Santa Ana, CA 92706



REVISIONS:

DESCRIPTION	DATE
ADDENDUM 1	5/3/2024

DATE ISSUED: 2021-07-19  
PROJECT NO: 2020-40160  
DSA APPLICATION NO: 04-122485  
SCALE: As indicated  
SHEET NUMBER: A-11.1  
SHEET TITLE:

ENLARGED IMPROVEMENTS SITE PLAN



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ENLARGED IMPROVEMENTS SITE PLAN 1" = 20'-0" 1



**REVISIONS:**

NO.	DESCRIPTION	DATE
1	ADDENDUM 1	05/13/2024

**DATE ISSUED:** 2021-07-19  
**PROJECT NO:** 2020-01160  
**DSA APPLICATION NO:** 04-122485  
**SCALE:** As Indicated  
**SHEET NUMBER:** L-2.1  
**SHEET TITLE:**

**LANDSCAPE CONSTRUCTION DETAILS**



**SECTION: GROUTED ROCK COBBLE PAVING**  
SCALE: 1"=1'-0"

**LEGEND:**

- ADJACENT CONCRETE CURB AND GUTTER PER CIVIL ENGINEERS PLANS.
- 4"-8" SIZED COBBLE STONE COBBLES SHALL BE 'BAJA CRESTA RUBBLE', AVAILABLE FROM: **SOUTHWEST BOULDER AND STONE**, OR APPROVED EQUAL. CONTACT: KRISTINE ALBINO (760) 451-3333 EXT. 1030. COBBLE TO BE IMBEDDED 50R MIN. INTO MORTAR BASE. MORTAR COLOR: **TRUTONE COLOR 5127 TAN**. MORTAR JOINTS BETWEEN COBBLE SHALL BE 1" MAX IN SIZE. ALL JOINTS SHALL BE RAKED. QUANTITY PER 'COBBLE / GRAVEL' SCHEDULE. SEE DETAIL 3, THIS SHEET.
- 3" MIN. THICK CONCRETE PAD TO RECEIVE MORTAR AND COBBLE. PROVIDE CONTINUOUS 1:20 CROWN FROM PAVING EDGES TO CENTER OF FIELD.
- 4" CRUSHED AGGREGATE BASE (CAB) PER GEOTECHNICAL REPORT.
- 90% MINIMUM COMPACTED, MOISTURE-CONDITIONED SUBGRADE PER GEOTECHNICAL REPORT.

**NOTES:**

- CONTRACTOR TO PROVIDE 6'-0" x 6'-0" SAMPLE MOCK-UP OF MORTARED COBBLE STONE FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT AND DISTRICT PRIOR TO INSTALLATION.
- CONTRACTOR SHALL RAKE & CLEAN JOINTS BETWEEN COBBLE TO REMOVE ANY EXCESS GROUT. VISIBLE GROUT EXCESS NOT PERMITTED.

**1 GROUTED ROCK COBBLE PAVING**

**'BAJA CRESTA RED'**  
SCALE: N.T.S.

BOULDER SCHEDULE				
#2	#3	#4	#5	
SIZE	2'Lx2'Wx2'D	3'Lx3'Wx3'D	4'Lx4'Wx3'D	5'Lx5'Wx3'D
QUANTITY	6	6	4	1
SYMBOL	⊙	⊙	⊙	⊙

BOULDERS SHALL BE 'BAJA CRESTA RED' AVAILABLE FROM: **SOUTHWEST BOULDER AND STONE**, OR APPROVED EQUAL. CONTACT: KRISTINE ALBINO (760) 451-3333 EXT. 1030.

**'MOJAVE GOLD CRUSHED STONE'**  
SCALE: N.T.S.

COBBLE / GRAVEL SCHEDULE		
LARGE	SMALL	GRAVEL
4"-8"	1"-3"	3/4"
QUANTITY	655 S.F.	1035 S.F.
SYMBOL	⊙	⊙

COBBLES SHALL BE 'BAJA CRESTA RUBBLE', AVAILABLE FROM: **SOUTHWEST BOULDER AND STONE**, OR APPROVED EQUAL. CONTACT: KRISTINE ALBINO (760) 451-3333 EXT. 1030.

GRAVEL SHALL BE 'MOJAVE GOLD CRUSHED STONE' AVAILABLE FROM: **SOUTHWEST BOULDER AND STONE**, OR APPROVED EQUAL. CONTACT: KRISTINE ALBINO (760) 451-3333 EXT. 1030.

**LEGEND:**

- LANDSCAPE BOULDERS. SEE DETAIL 2, THIS SHEET AND 'BOULDER SCHEDULE' THIS DETAIL.
- COBBLE. SEE 'COBBLE/GRAVEL SCHEDULE' THIS DETAIL.
  - A 4"-8" LARGE COBBLE - GROUTED, SINGLE COURSE TYP.
  - B 1"-3" SMALL COBBLE - GROUTED, SINGLE COURSE TYP.
- 4" LAYER OF 3/4" GRAVEL (NON-GROUTED). SEE 'COBBLE/GRAVEL SCHEDULE' THIS DETAIL.
- CONCRETE CURB AND GUTTER. SEE CIVIL PLANS.
- CAMPUS MONUMENT SIGN. LOCATION SHOWN FOR REFERENCE ONLY. SEE ARCHITECTURAL PLANS AND DETAILS.
- LANDSCAPE MOUNDING - PER CIVIL PLANS. LANDSCAPE AREA SHALL RECEIVE ADDITIONAL TOP SOIL TO CREATE A MOUNDING EFFECT.
- MORTAR SETTING BED TO RECEIVE COBBLES. DIMENSIONS PER SECTION 'A', THIS DETAIL. THICKENED EDGE WITH 1/2" RADIUS ADJACENT TO SHRUB PLANTING AREAS. COLOR: **TRUTONE COLOR 5127 TAN**. MORTAR JOINTS BETWEEN COBBLE SHALL BE 1" MAX IN SIZE. ALL JOINTS SHALL BE RAKED.
- MIRAFI 140N GEOTEXTILE / NEED BARRIER TO BE INSTALLED BENEATH NON-GROUTED GRAVEL. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- LANDSCAPE SHRUB PLANTING TO BE LOCATED WITHIN GROUTED ROCK COBBLE. SEE SECTION 'A', THIS DETAIL AND PLANTING PLAN, SHEET L-5.0.

**NOTE:** CONTRACTOR TO CHALK MARK BOULDER LOCATIONS FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL PRIOR TO INSTALLATION.

**SECTION - BOULDER ON CONCRETE EDGE**  
SCALE: 1/2" = 1'-0"

**SECTION - BOULDER ON GRADE**  
SCALE: 1/2" = 1'-0"

**LEGEND:**

- BOULDERS SHALL BE 'BAJA CRESTA RED', AVAILABLE FROM: **SOUTHWEST BOULDER AND STONE**, OR APPROVED EQUAL. CONTACT: KRISTINE ALBINO (760) 451-3333 EXT. 1030. SIZE & QUANTITY PER 'BOULDER SCHEDULE'. SEE DETAIL 2, THIS SHEET.
- 90% MINIMUM COMPACTED, MOISTURE-CONDITIONED SUBGRADE PER GEOTECHNICAL REPORT.
- 4" CONCRETE SUB-BASE. SUB-BASE TO EXTEND TO LIMIT OF BOULDER EDGE. CONCRETE BASE TO OCCUR AT ALL BOULDERS IN CONTACT WITH ADJACENT CONCRETE PAVING. SEE CONSTRUCTION PLAN.
- ADJACENT MONUMENT SIGN FOOTING OR MORTARED COBBLE PAVING, WHERE OCCURS. SEE CONSTRUCTION PLAN, SHEET L-1.0 FOR LOCATIONS.
- FINISH GRADE. SEE CIVIL PLANS.

**NOTE:**

- SEE CONSTRUCTION PLAN, SHEET L-1.0 AND ENLARGEMENT THIS SHEET FOR BOULDER LOCATIONS. PLAN LOCATIONS ARE DIAGRAMMATIC. FINAL BOULDER PLACEMENT & INSTALLATION SHALL BE UNDER THE DIRECTION OF LANDSCAPE ARCHITECT.
- ALL BOULDERS TO HAVE 1/3 EMBEDMENT.
- BOULDER HEIGHT NOT TO EXCEED 3'-0" AS TO NOT RESTRICT VEHICULAR SIGHT LINES.
- BOULDERS SHALL BE PLACED/POSITIONED IN TIGHT PROXIMITY TO ADJACENT BOULDERS IN ORDER TO REPRESENT NATURAL BOULDER OUTCROPPINGS.

**2 LANDSCAPE BOULDERS**

**PLAN ENLARGEMENT**  
SCALE: 3/16" = 1'-0"

HATCHED AREAS INDICATE SHRUB PLANTINGS TO BE LOCATED WITHIN GROUTED ROCK COBBLE PER SECTION 'A' THIS DETAIL. SEE PLANTING PLAN, SHEET L-5.0.

CALIFORNIA POTTERY & TILE WORKS PAINTSHEET DATE: 9/28/23

SANTA ANA

STD #	COLOR NAME	FORMULA
1. CP163		
2. CP11		
3. CP29		
4. CP27		
5. CP142		

JOB NAME \_\_\_\_\_

P.O. # \_\_\_\_\_

BISQUE \_\_\_\_\_

QUANTITY \_\_\_\_\_

SIZE \_\_\_\_\_ x \_\_\_\_\_ FD159

**SPECIAL INSTRUCTIONS**

NAME:	DATE:	START:	FINISH:	# PCS:

**4 DECORATIVE TILE AT ENDS OF CONCRETE LOW WALLS**

**FOR REFERENCE ONLY**  
SCALE: N.T.S.

**LEGEND:**

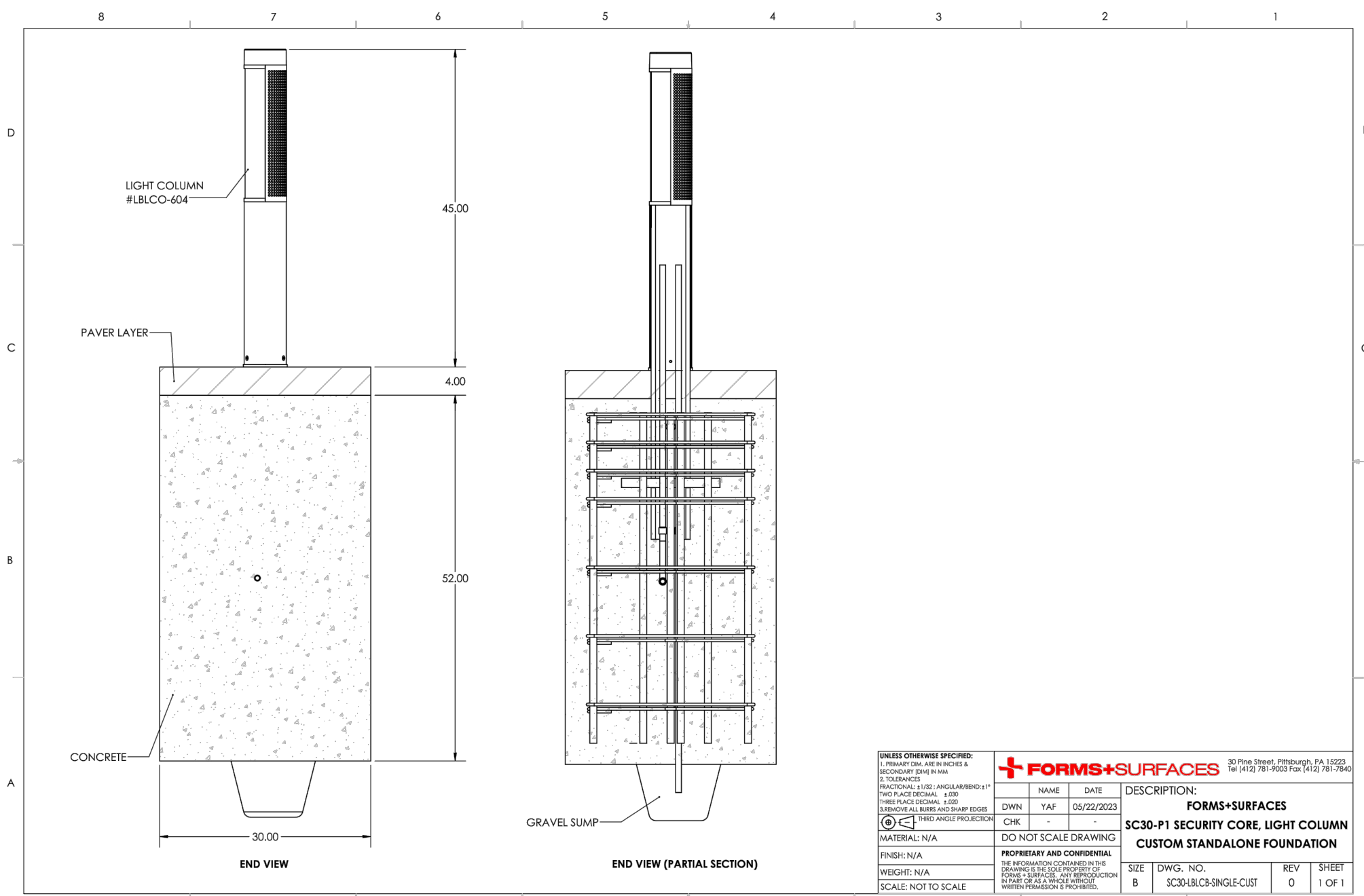
- POURED-IN-PLACE CONCRETE LOW WALL PER DETAILS 3 & 4, SHEET L-2.0.
- 8"x8"x1/4" GLAZED DECORATIVE TILE PAYER, MODEL #FD159 BY MANUFACTURER CALIFORNIA POTTERY AND TILE WORKS. CONTACT DESMOND MCGLEAN AT (823) 235-4151. TILE PAYERS ARE TO BE GROUTED IN PLACE AND INSTALLED TO BE FLUSH AT THE ENDS OF EACH CONCRETE LOW WALL (2 LOW WALLS - 24 TILES TOTAL) PER THIS DETAIL.

**NOTES:**

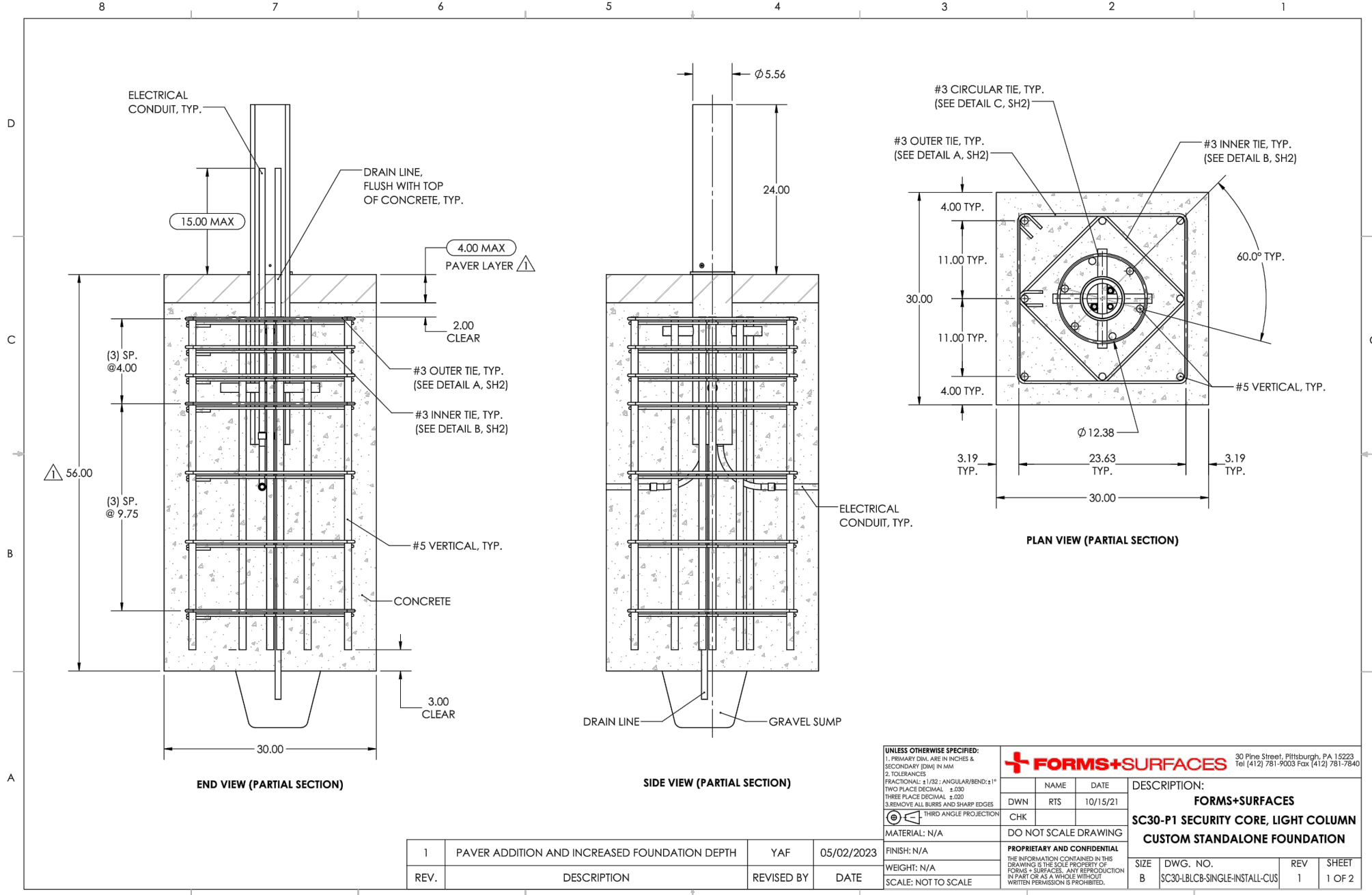
- CONTRACTOR SHALL SUBMIT SCALED SHOP DRAWINGS AND MATERIAL SUBMITTALS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- PROVIDE MOCK UP FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

**3 DECORATIVE ROCK MEDIAN ENLARGEMENT**

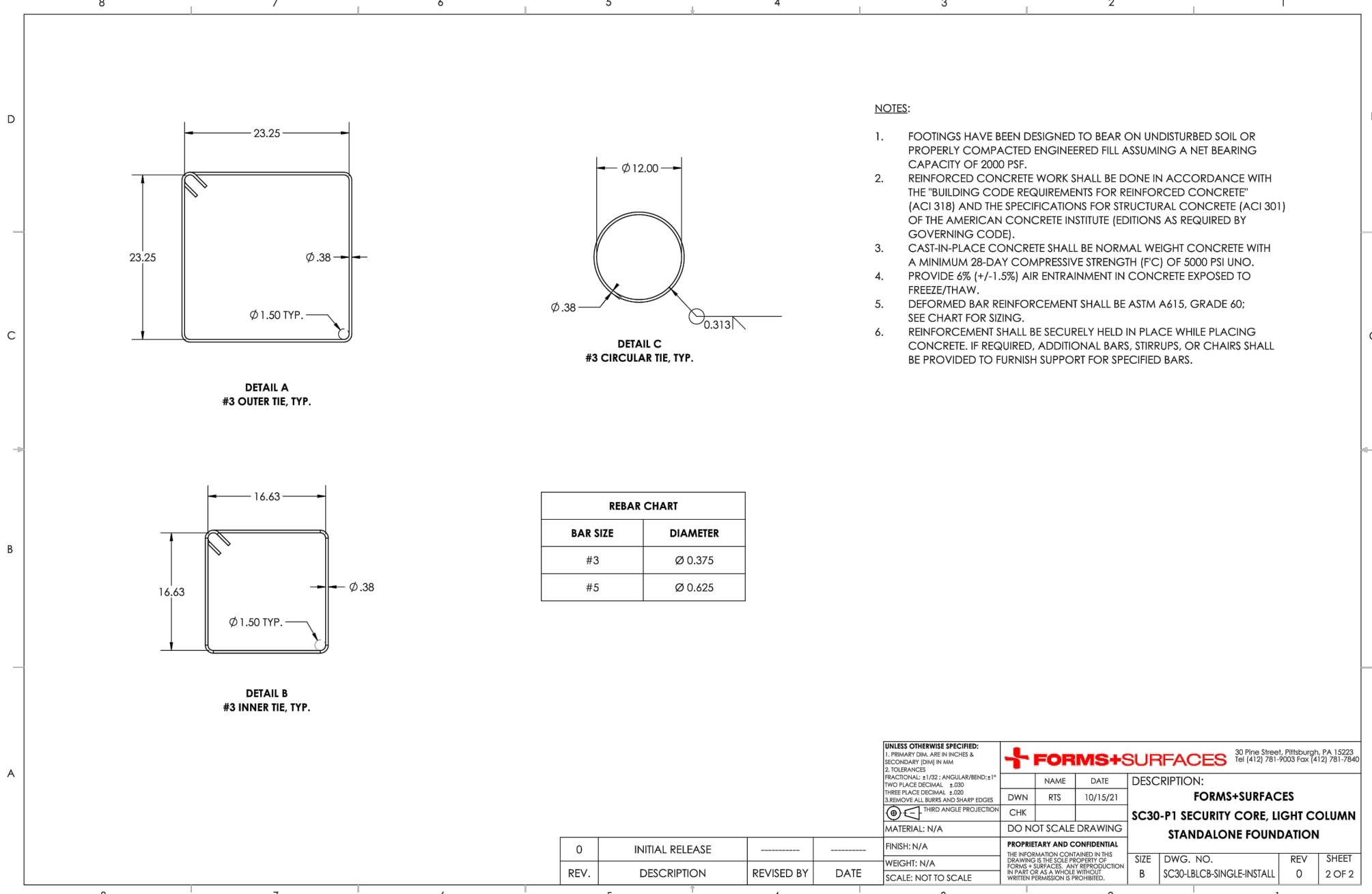
**SECTION A-A**  
SCALE: 3/8" = 1'-0"



NO.	DESCRIPTION	DATE	BY	CHKD.
0	INITIAL RELEASE			
1	PAVER ADDITION AND INCREASED FOUNDATION DEPTH	05/10/2023	TAF	ES/10/2023

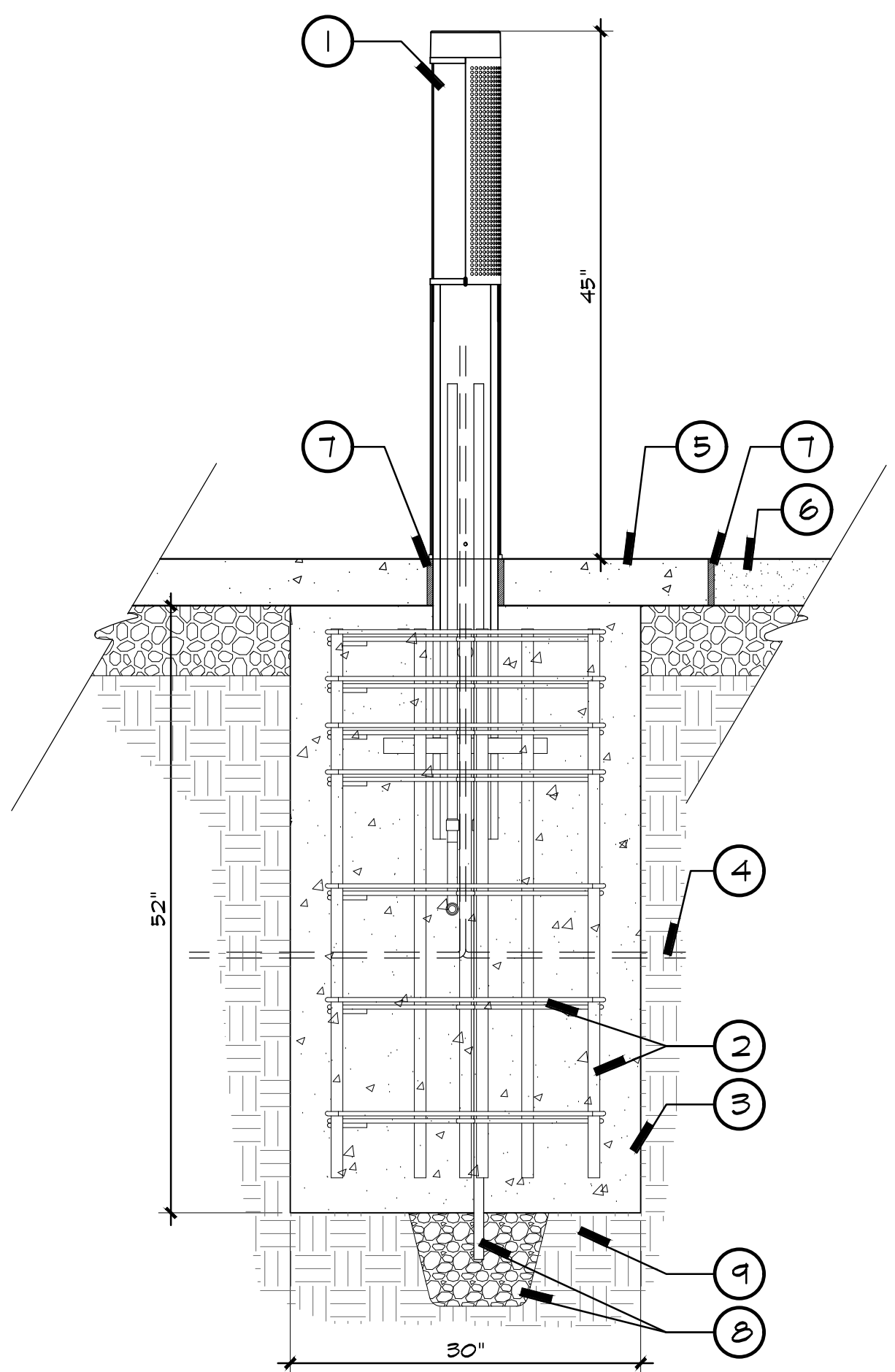


NO.	DESCRIPTION	DATE	BY	CHKD.
0	INITIAL RELEASE			
1	PAVER ADDITION AND INCREASED FOUNDATION DEPTH	05/10/2023	TAF	ES/10/2023

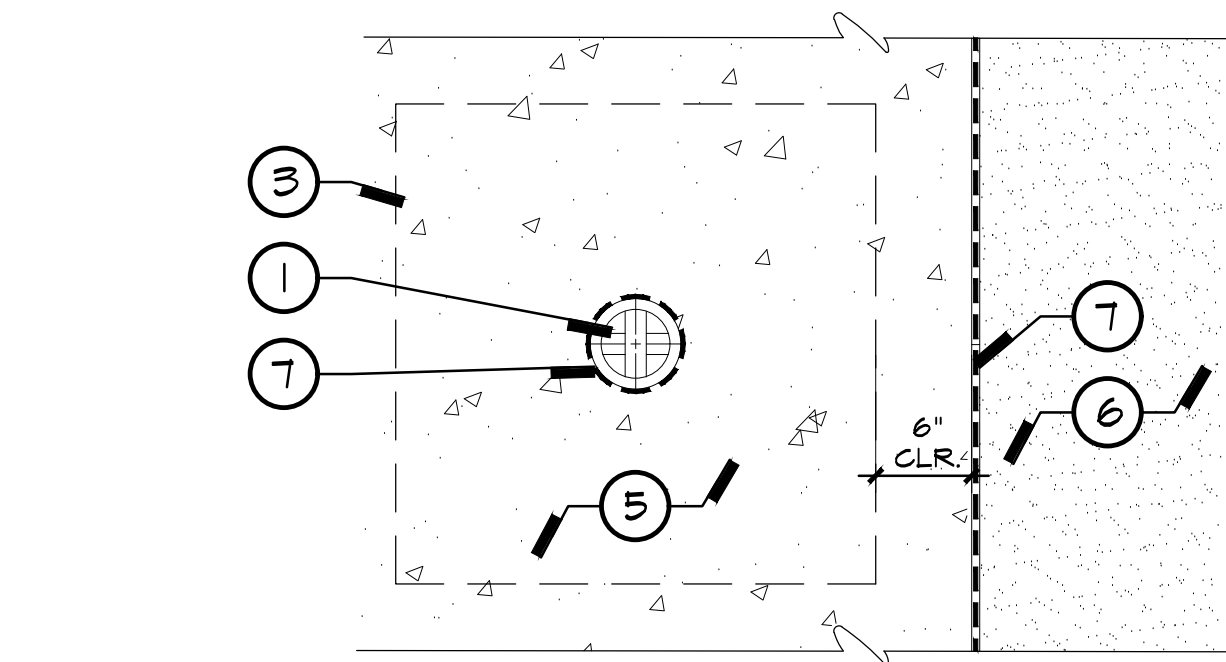


NO.	DESCRIPTION	DATE	BY	CHKD.
0	INITIAL RELEASE			
1	INITIAL RELEASE			

FOR REFERENCE ONLY  
SCALE: N.T.S.



ELEVATION  
SCALE: 1" = 1'-0"



PLAN  
SCALE: 1" = 1'-0"

- LEGEND:**
- INSTALL LIGHT COLUMN BOLLARD, SERIES 600-6" BY FORMS AND SURFACES, MODEL #LBCO-604. FINISH: PERFORATED METAL, COLOR: ALUMINUM TEXTURE TO MATCH EXISTING. INSTALL WITH OPTIONAL EMBEDDED SECURITY CORE, MODEL #SC00-PI. SEE SHEET A-11.4 AND DETAIL I, SHEET E-1.2 FOR LOCATIONS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. SEE LANDSCAPE CONSTRUCTION PLAN, SHEET L-1.0 FOR LOCATIONS. CONTRACTOR TO CONFIRM EXISTING BOLLARD FINISH WITH MANUFACTURER.
  - CUSTOM STANDALONE FOUNDATION BY FORMS AND SURFACES. SEE MANUFACTURER'S DETAIL, THIS SHEET.
  - CONCRETE FOOTING PER MANUFACTURER'S DETAIL, THIS SHEET.
  - ELECTRICAL CONDUIT PER ELECTRICAL PLANS.
  - ADJACENT CONCRETE PAVING WITH MEDIUM BROOM FINISH. SEE LANDSCAPE CONSTRUCTION PLAN AND FINISH SCHEDULE, SHEET L-1.0.
  - ADJACENT CONCRETE PAVING WITH SAND FINISH. SEE LANDSCAPE CONSTRUCTION PLAN AND FINISH SCHEDULE, SHEET L-1.0.
  - EXPANSION JOINT PER DETAIL I, SHEET L-2.0.
  - DRAIN LINE AND 3/4" GRAVEL SUMP PER MANUFACTURER'S DETAIL, THIS SHEET.
  - 90% MINIMUM COMPACTED, MOISTURE CONDITIONED SUBGRADE PER GEOTECHNICAL REPORT.

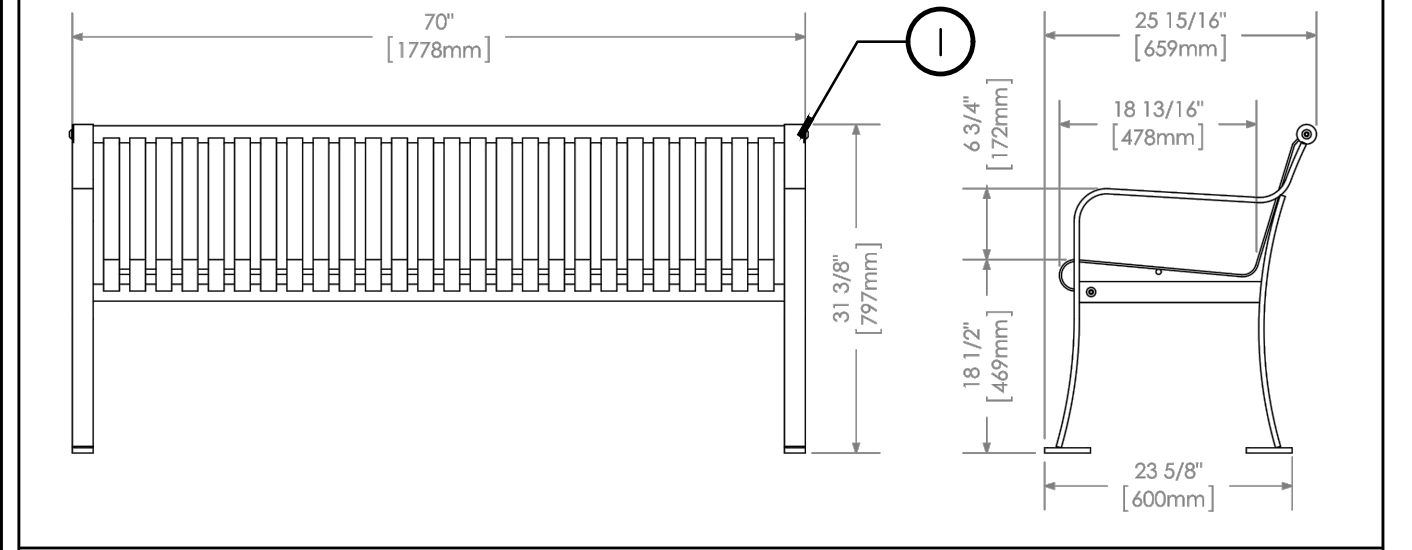
3 LIGHT COLUMN BOLLARDS

500 SERIES  
MBE-0510-00010  
Legacy # MLB510-M



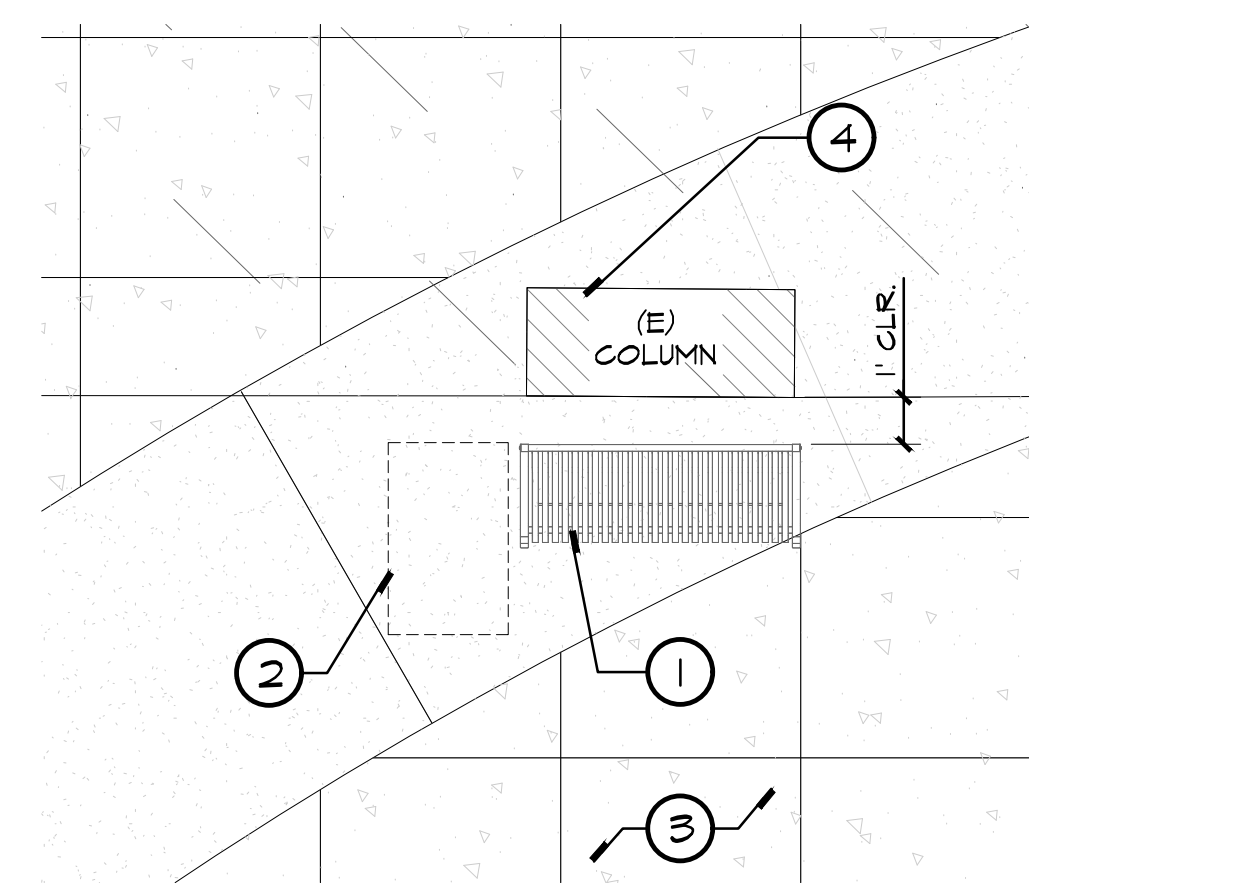
**MATERIALS:** Bench ends and seat are made from solid steel flat bar and H.S. steel tube.  
**FINISH:** All steel components are protected with E-Cool rust proofing. The Maglin Powdercoat System provides a durable finish on all metal surfaces.  
**INSTALLATION:** The bench is delivered pre-assembled. Holes (0.5") are provided in each foot for securing to base.  
**TO SPECIFY:** Select MBE-0510-00010  
 Choose: **BLACK (GLOSS COLLECTION)**  
 - Powdercoat Color

HEIGHT: 31.38" (79.7cm) LENGTH: 70" (177.8cm) DEPTH: 25.94" (65.9cm) WEIGHT: 152.81lbs (69.31kg)

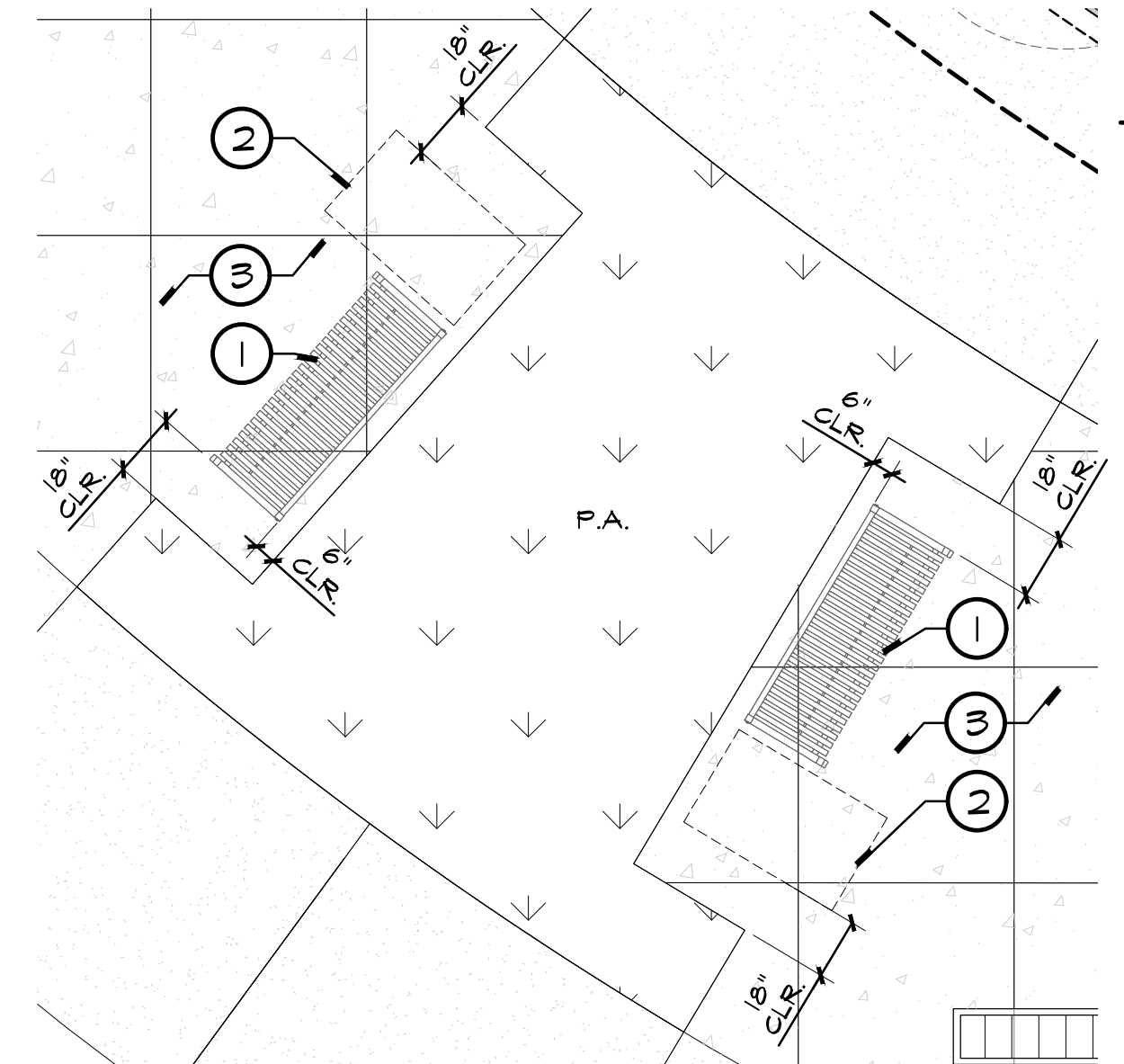


FOR REFERENCE ONLY  
SCALE: N.T.S.

- LEGEND:**
- INSTALL (6) MODEL 510" TO" BACKED METAL BENCH BY MAGLIN SITE FURNITURE, MODEL #MBE-0510-00010. COLOR: BLACK (GLOSS COLLECTION). FINISH: POWDER COAT, SUPPLIED BY MAGLIN. CONTACT: SARAH MCKELLAR, (916) 359-6716. SURFACE MOUNT PER MANUFACTURER'S RECOMMENDATIONS. SEE LANDSCAPE CONSTRUCTION PLAN, SHEET L-1.0 FOR LOCATIONS.
  - 36"X48" ADA COMPANION SEATING AREA.
  - ADJACENT CONCRETE PAVING. SEE LANDSCAPE CONSTRUCTION PLAN, SHEET L-1.0.
  - EXISTING BUILDING COLUMNS, OR BUILDING WHERE OCCURS.

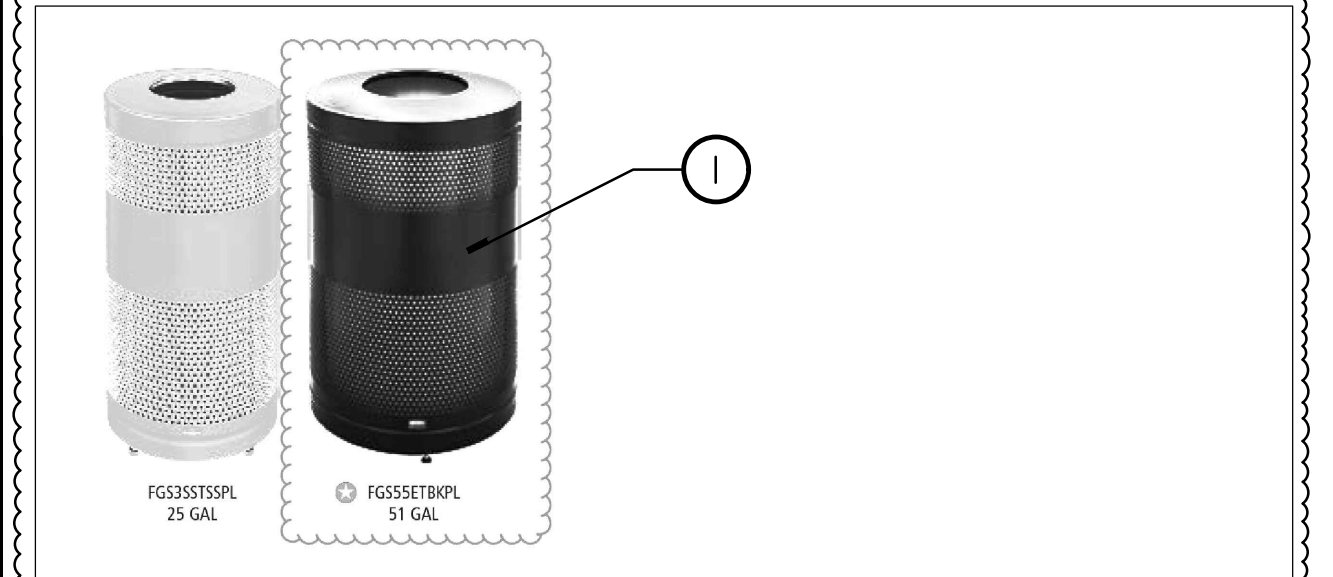


PLAN VIEW - BENCH SEATING AT COLUMNS/BUILDINGS  
SCALE: 1/4" = 1'-0"



PLAN VIEW - BENCH SEATING AT PLANTERS  
SCALE: 1/4" = 1'-0"

1 BENCH SEATING AND ADA COMPANION SPACE



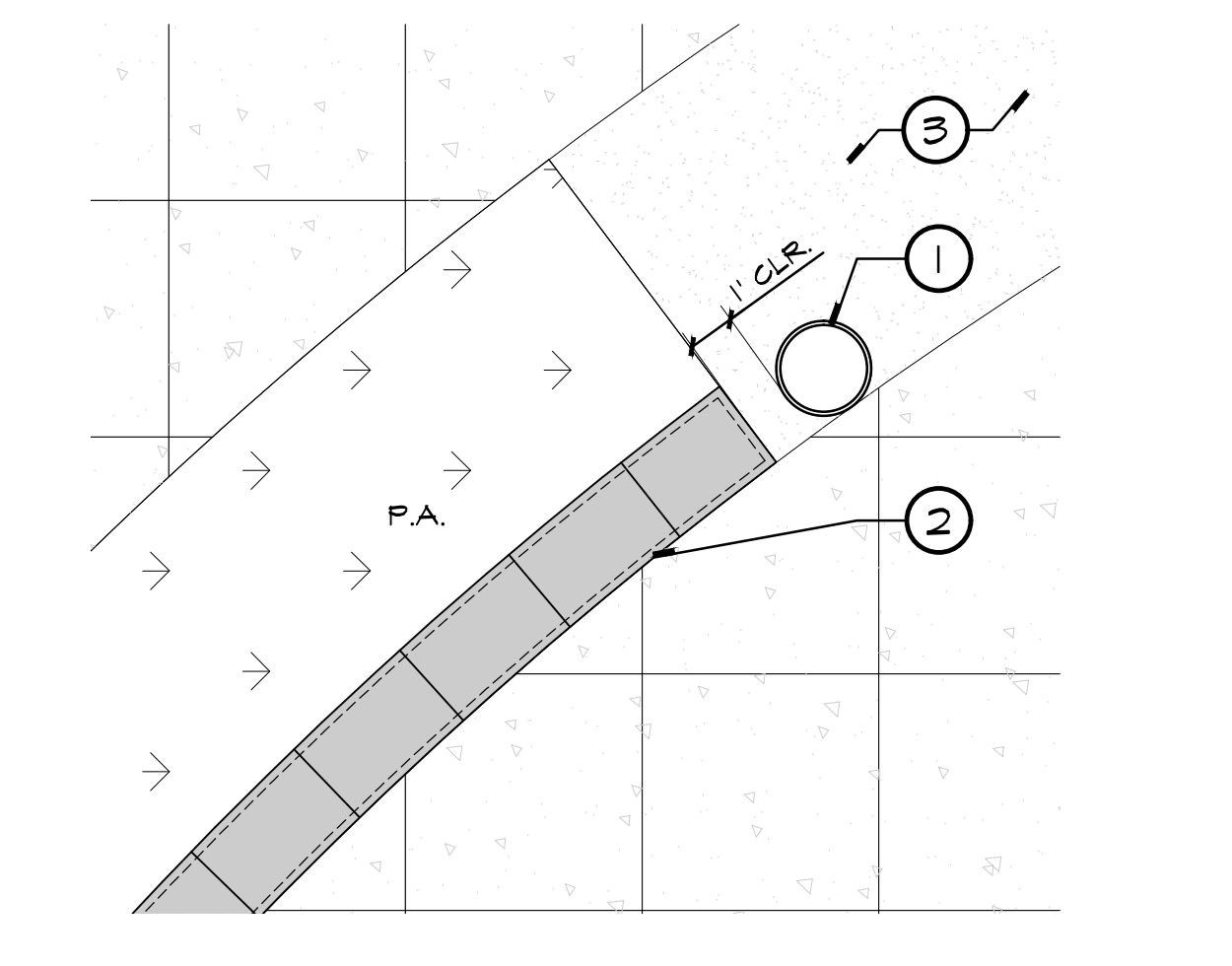
- FEATURES & BENEFITS**
- Perforated, heavy-gauge steel provides a clean appearance with lasting durability.
  - Lid is fastened to receptacle with a cable, making it easier to collect waste.
  - Leg levelers provide stability on uneven surfaces.
  - Leak-proof rigid plastic liner helps contain liquids.

**CONTAINERS**

CAPACITY	ITEM #	COLOR	L x W x H
25 GAL	FGSS25RPL	BLACK	18.7" x 18.7" x 35.0"
	FGSS25RPL	TEXTURED BRONZE	
	FGSS25RPL	STAINLESS METALLIC	
	FGSS25RPL	STAINLESS STEEL	
51 GAL	FGSS51RPL	BLACK	24.4" x 34.4" x 36.7"
	FGSS51RPL	STAINLESS METALLIC	
	FGSS51RPL	STAINLESS STEEL	

Top-selling item

FOR REFERENCE ONLY  
SCALE: N.T.S.

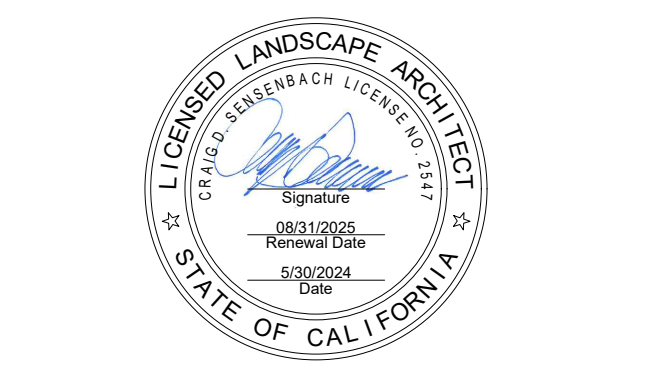


PLAN VIEW - WASTE RECEPTACLE  
SCALE: 1/4" = 1'-0"

- LEGEND:**
- INSTALL (6) CLASSICS ROUND OPEN TOP RECEPTACLE (51 GALLON) BY RUBBERMAID, MODEL #FGSS51RPL. FINISH: PERFORATED METAL, COLOR: TEXTURED BLACK. SECURE RECEPTABLES TO CONCRETE PAVING WITH 1/2" X 3-5/16" ZINC PLATED WEDGE ANCHORS WITH A 3" X 3" SQ. ZINC PLATED STEEL WASHER ON THE INSIDE OF THE RECEPTACLE (4 PER RECEPTACLE). INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. SEE LANDSCAPE CONSTRUCTION PLAN, SHEET L-1.0 FOR LOCATIONS.
  - CONCRETE LOW WALL. SEE CONSTRUCTION PLAN, SHEET L-1.0 FOR LOCATIONS.
  - ADJACENT CONCRETE PAVING. SEE CONSTRUCTION PLAN, SHEET L-1.0.

2 WASTE RECEPTACLE

RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT  
 SANTA ANA COLLEGE CAMPUS ENTRY IMPROVEMENTS  
 PROJECT  
 1530 W 17th St, Santa Ana, CA 92706



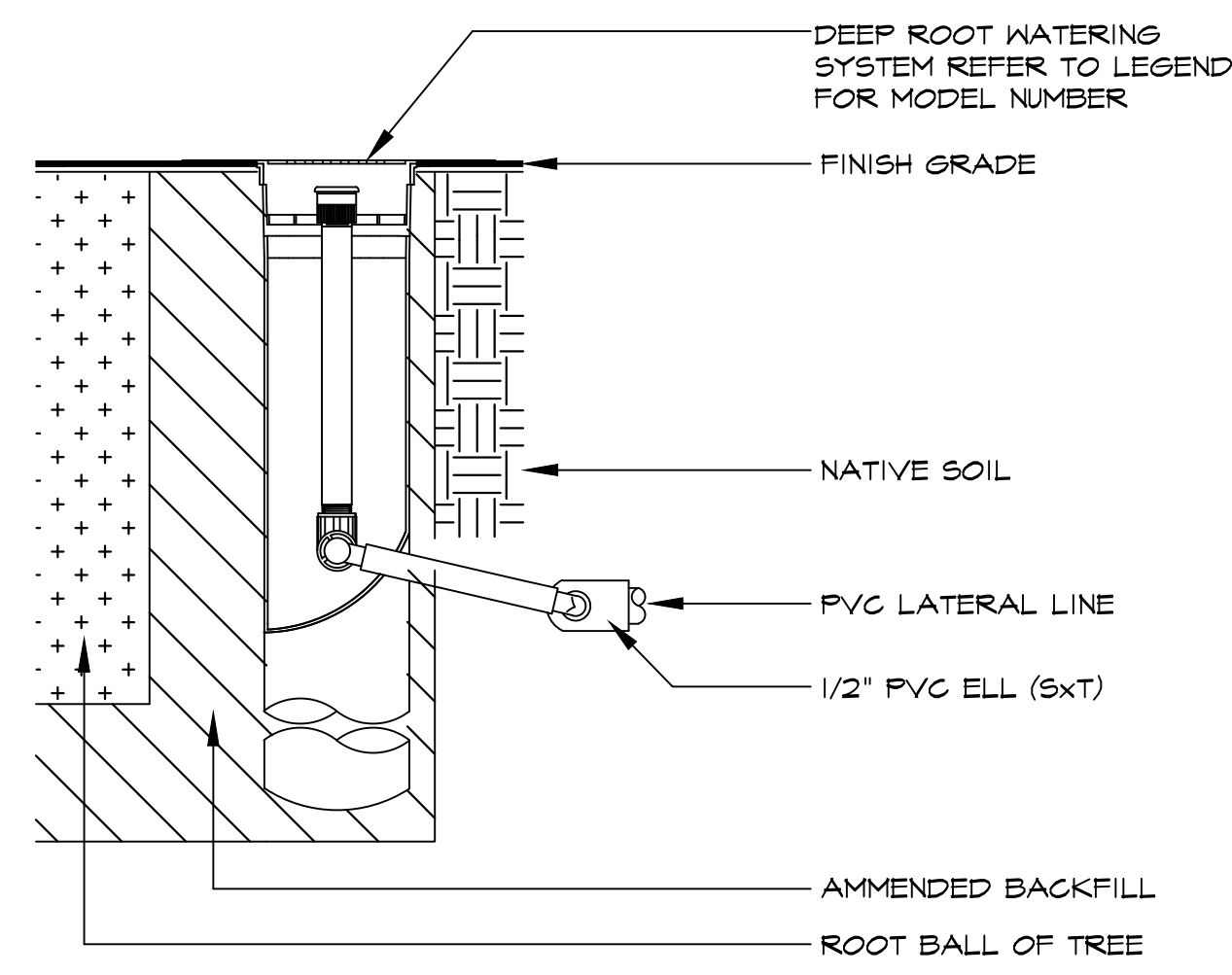
**REVISIONS:**

NO.	DESCRIPTION	DATE
▲	ADDENDUM 1	05/13/2024
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DATE ISSUED: 2021-07-19  
 PROJECT NO: 2020-01160  
 DSA APPLICATION NO: 04-122485  
 SCALE: As indicated  
 SHEET NUMBER: L-2.2  
 SHEET TITLE:

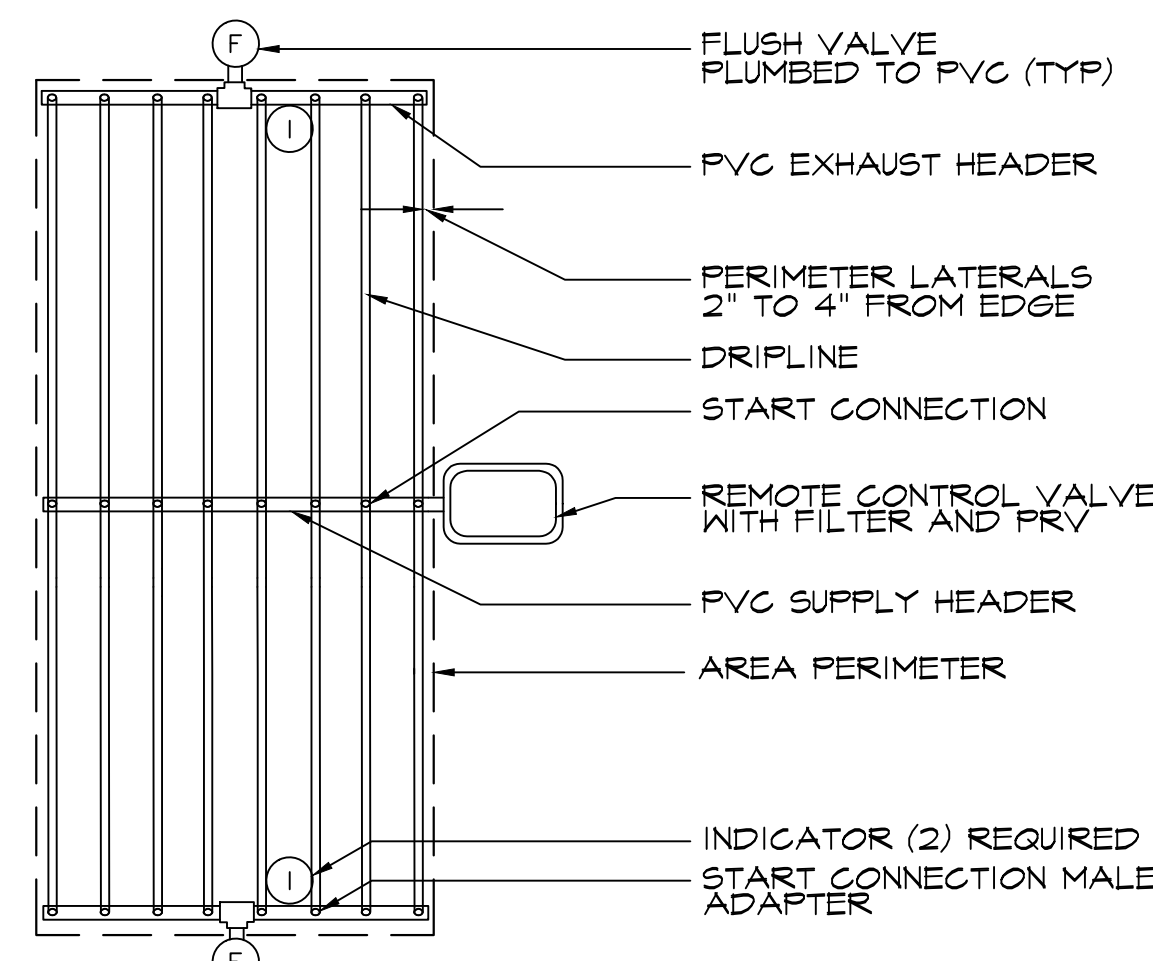
LANDSCAPE  
CONSTRUCTION  
DETAILS





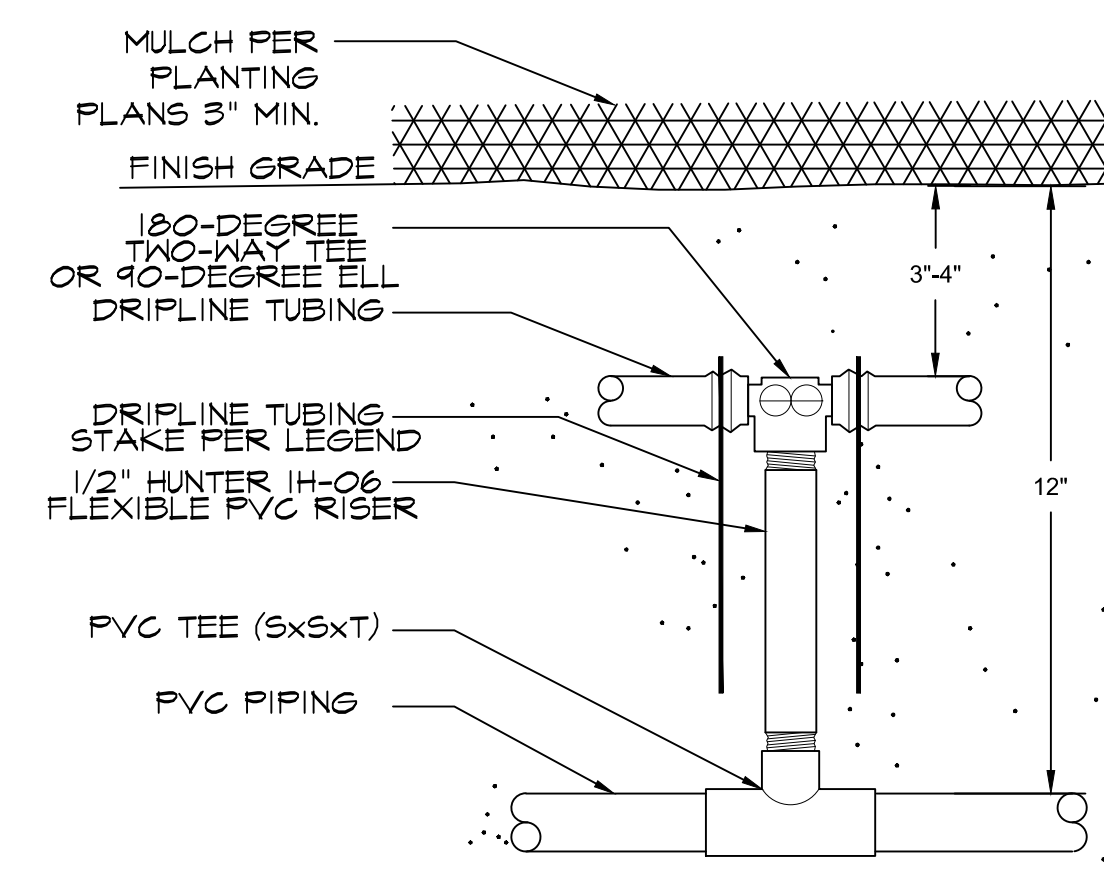
**A** DEEP ROOT TREE BUBBLERS

N.T.S.



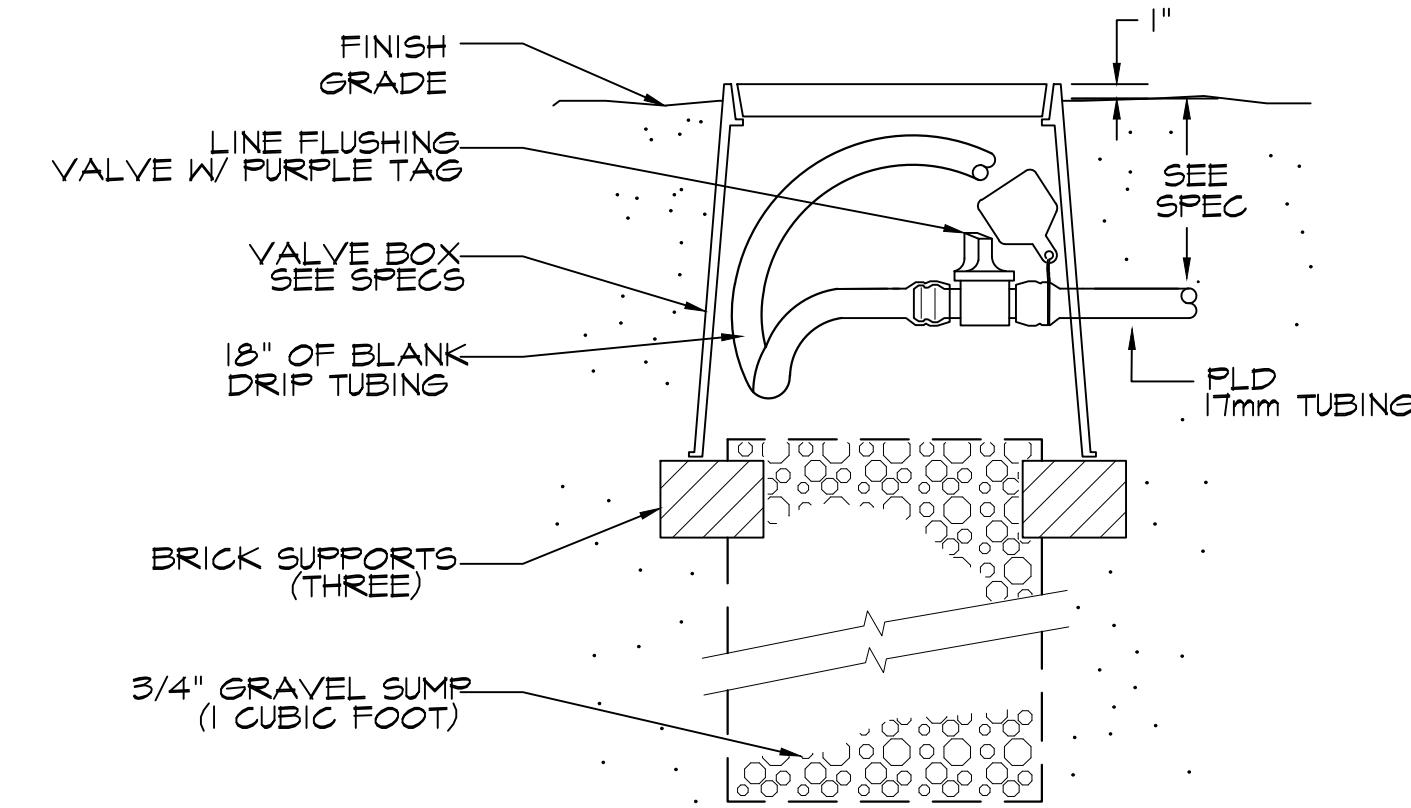
**B** DRIP TUBING LAYOUT

N.T.S.



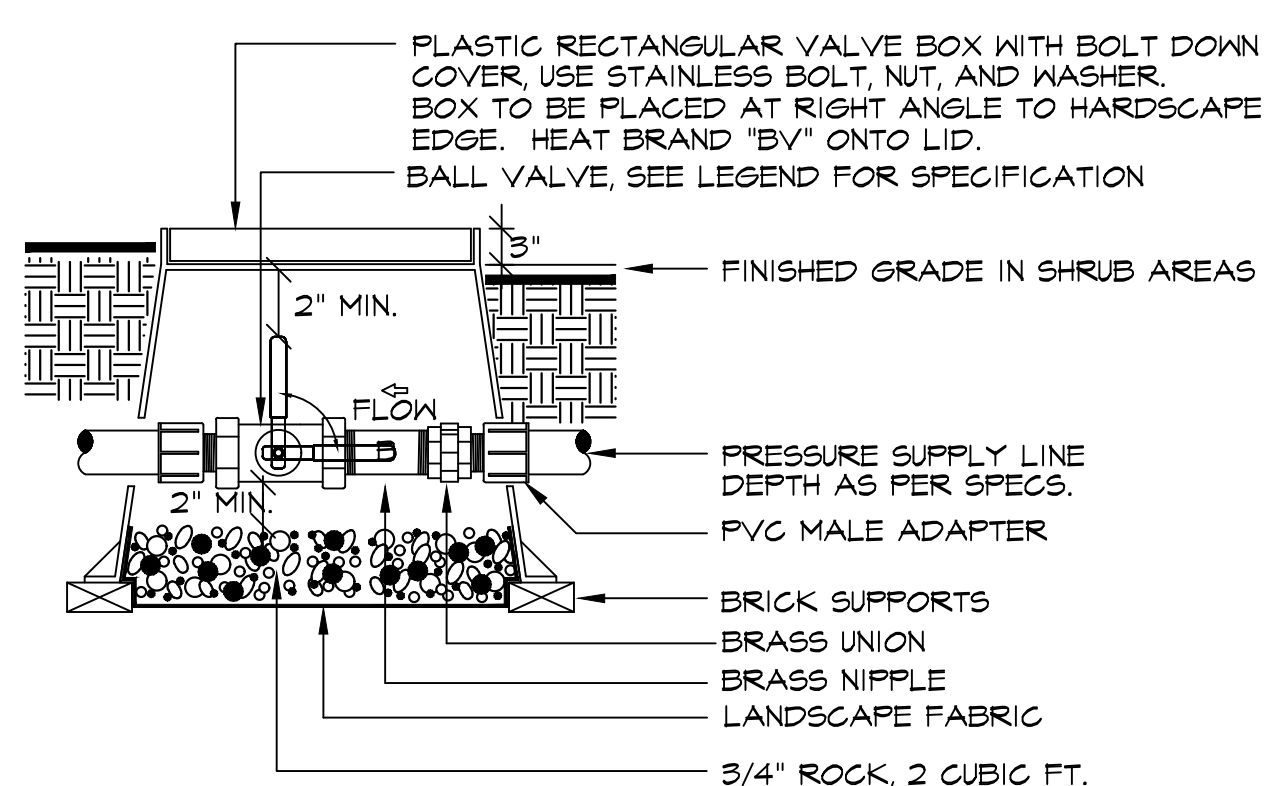
**C** DRIP TUBING START CONNECTION

N.T.S.



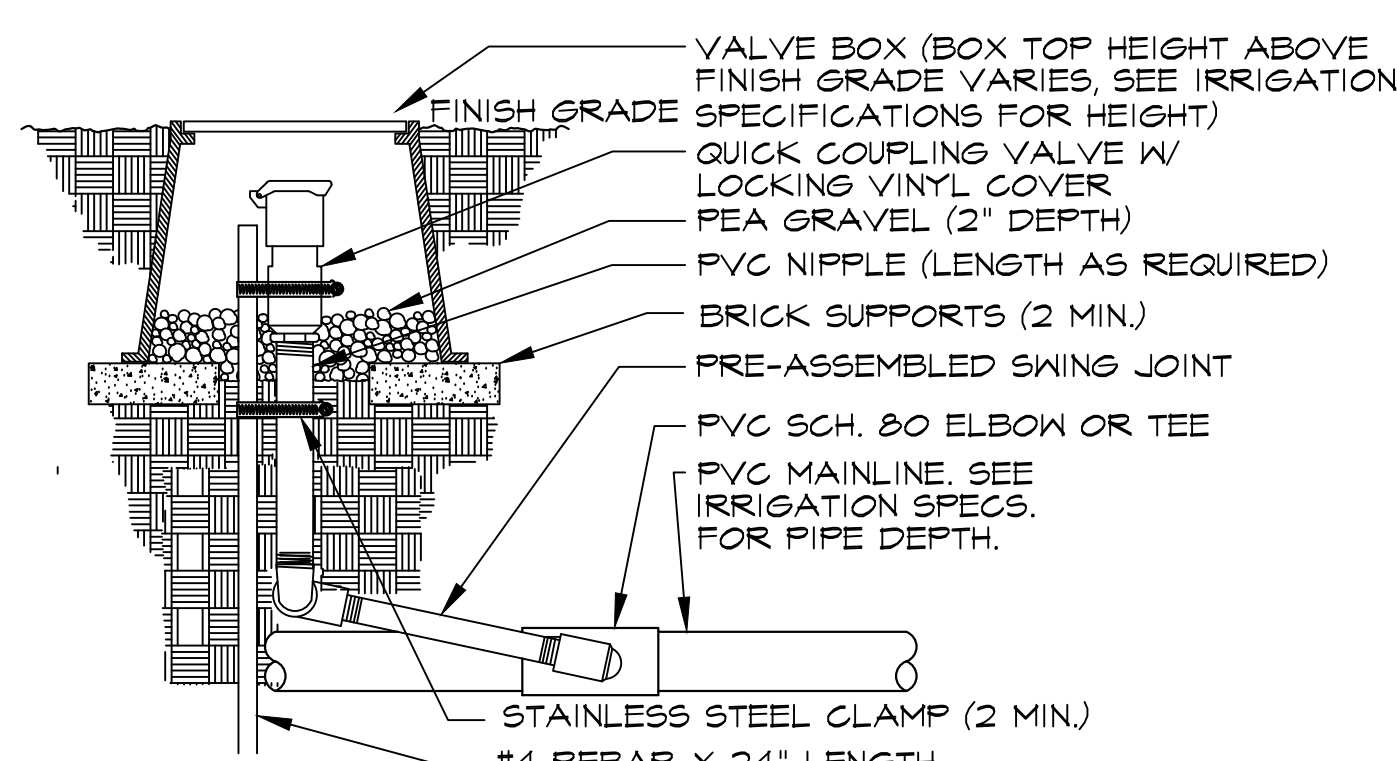
**D** DRIP FLUSH VALVE

N.T.S.



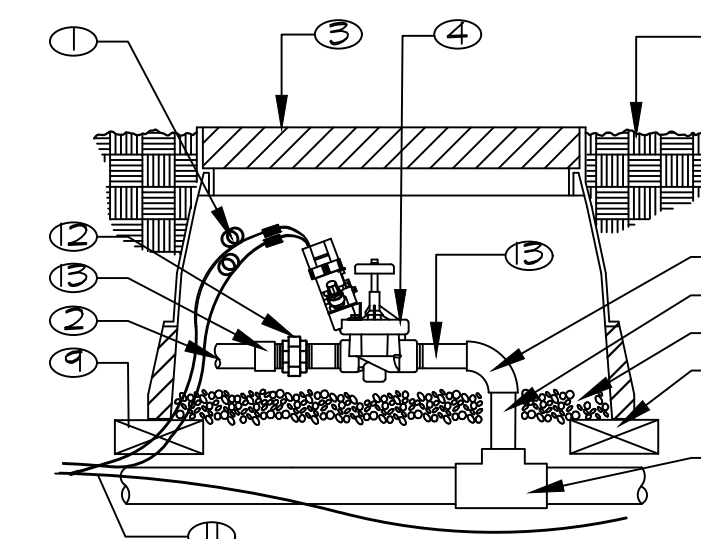
**E** BALL VALVE

N.T.S.



**F** QUICK COUPLER VALVE

N.T.S.



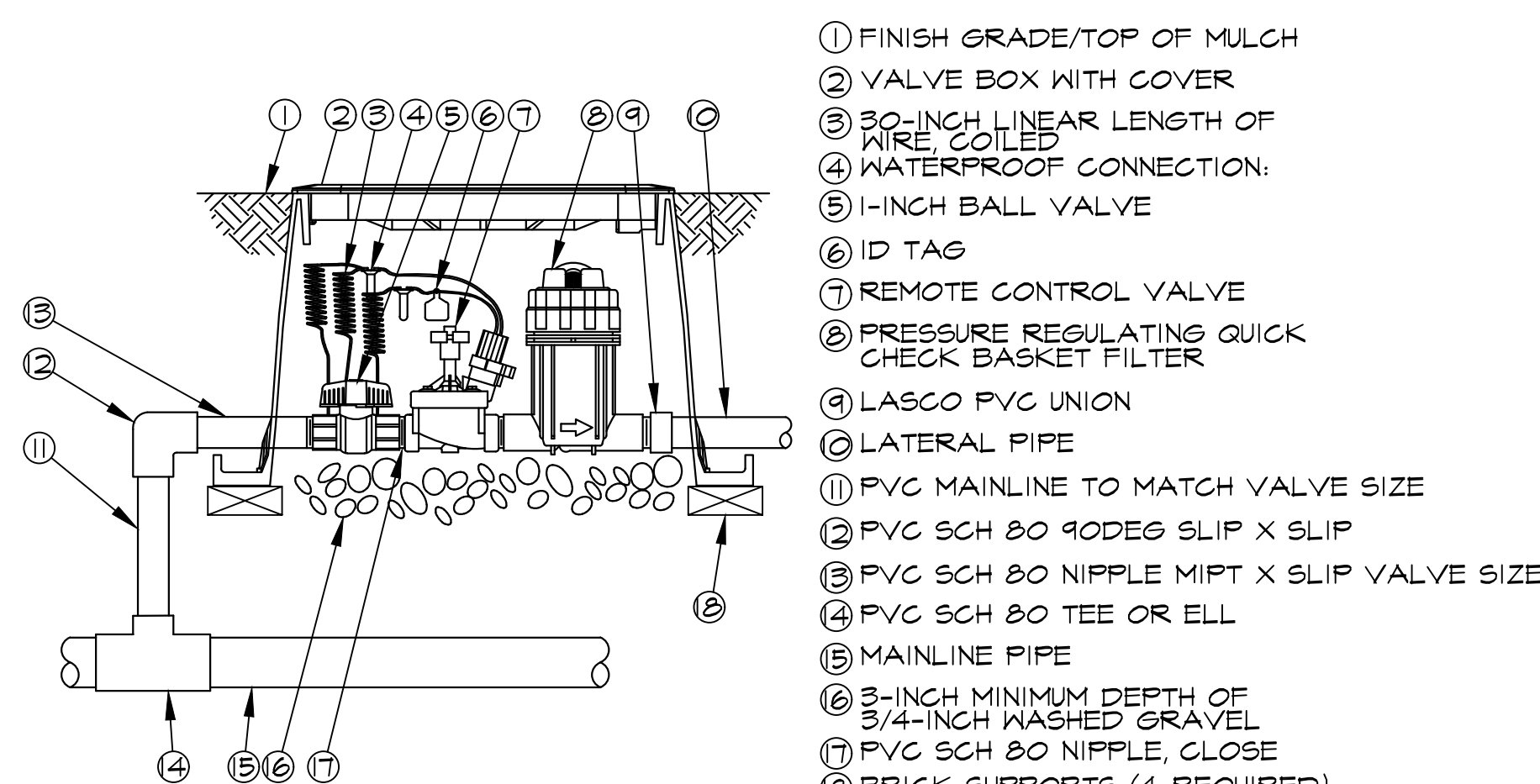
**G** REMOTE CONTROL VALVE

N.T.S.

NOTE:  
BOX TO BE INSTALLED AS TO ALLOW FOR PROPER OPERATION OF BALL VALVE  
INSTALL AT RIGHT ANGLE TO HARDSCAPE EDGE, INSTALL VALVE OFF-CENTER IN BOX.  
INSTALL VALVE BOX EXTENSIONS AS REQUIRED TO ACHIEVE PROPER VALVE  
INSTALLATION AT MAIN LINE DEPTH.

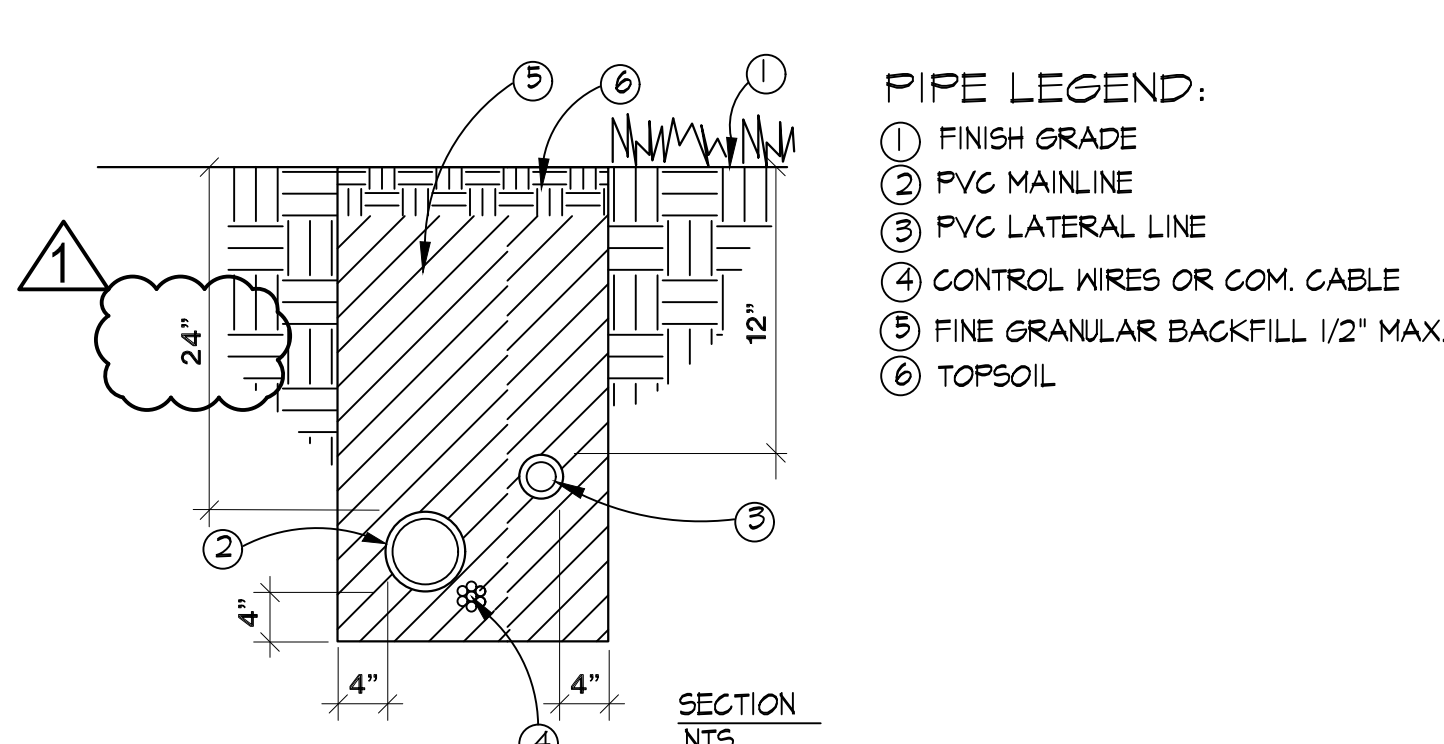
NOTES:  
1. TEFLON TAPE ALL THREADS (TYP.)  
2. INSTALL IN SHRUB AREAS ONLY AND A MINIMUM OF 12" FROM PLANTER EDGE

NOTES:  
1. ALL WIRE TO BE INSTALLED PER LOCAL CODES.  
2. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX. WRAP AROUND 1/2" PIPE 15 TIMES - REMOVE PIPE.  
3. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.  
4. INSTALL ONLY 1 VALVE PER VALVE BOX.  
5. INSTALL TAPE ALL THREADS.  
6. INSTALL IN SHRUB AREAS ONLY AND A MINIMUM OF 12" FROM PLANTER EDGE



**H** DRIP CONTROL ZONE KIT

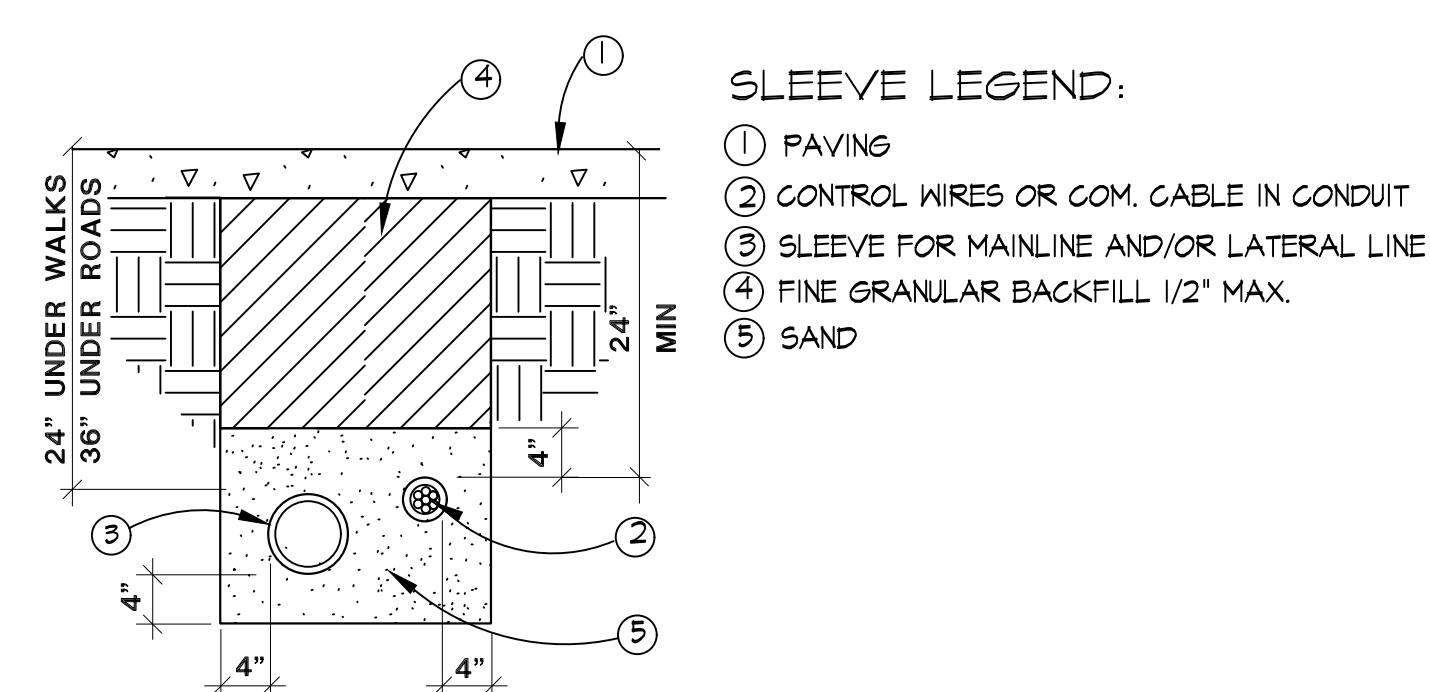
N.T.S.



PIPE INSTALLATION NOTES:  
1. TAPE AND BUNDLE 24 V. WIRES @ 10' INTERVALS.  
2. MINIMUM DEPTH OF 24 V. WIRING SHALL BE 24" BELOW GRADE.  
3. TRENCH WIDTH ALLOW 4" MIN. CLEARANCE BETWEEN PARALLEL PIPES.  
4. SNAKE PIPES FROM SIDE TO SIDE WITHIN TRENCH TO ALLOW FOR MOVEMENT.  
5. TIE A 20" LOOP IN ALL WIRING AT CHANGES OF DIRECTION UNTIL PRIOR TO BACKFILLING TRENCHES.  
6. PROVIDE THRUST BLOCKS PER APWA STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION DETAILS.

**I** PIPE INSTALLATION

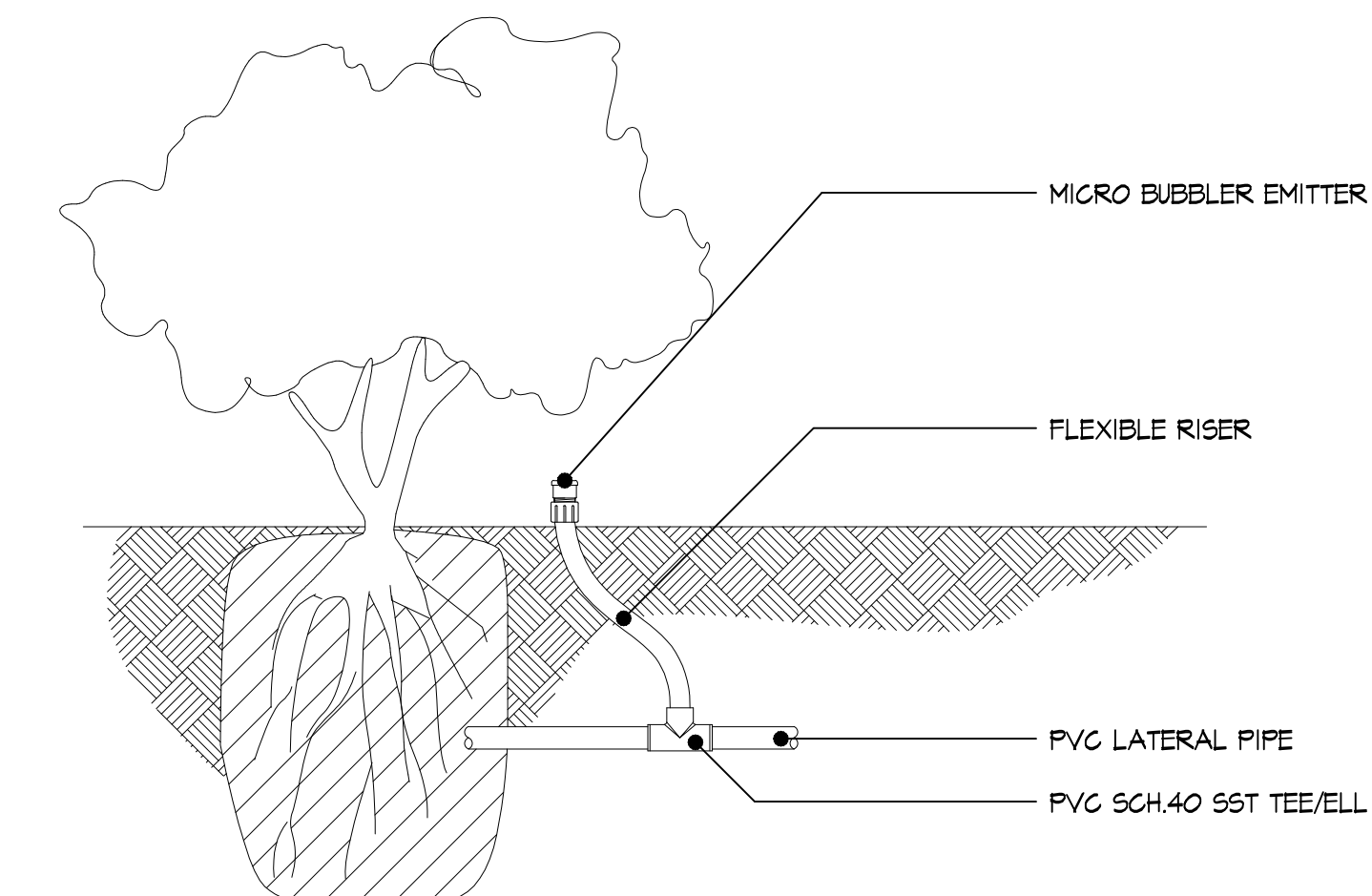
N.T.S.



SLEEVE NOTES:  
1. IRRIGATION PIPES UNDER ROADWAYS SHALL BE INSTALLED 36" DEEP, SLEEVED AND IDENTIFIED WITH MARKING TAPE INSTALLED 12" FROM THE SURFACE. IDENTIFYING TYPE OF LINE WITH APWA STANDARD "CAUTION WATERLINE BURIED BELOW" IN BLUE OR "CAUTION RECYCLED WATERLINE BURIED BELOW" IN PURPLE. SLEEVES SHALL BE SCHEDULE 40 PVC, TWO TIMES THE DIAMETER OF THE PIPE BEING SLEEVED.

**J** SLEEVE INSTALLATION

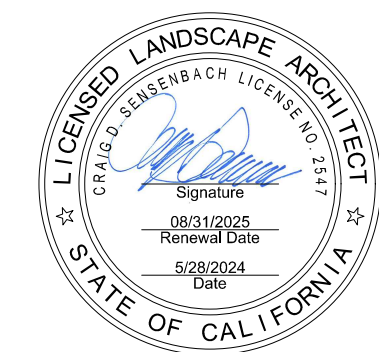
N.T.S.



**K** DRIP EMITTER ON FLEX RISER

N.T.S.

CORROSIVE SOIL NOTE:  
PER THE SOILS REPORT, THE SITE DOES HAVE CORROSIVE SOIL AND THE CONTRACTOR SHALL ENSURE NO METAL IRRIGATION EQUIPMENT IS IN CONTACT WITH THE SOIL. ALL BRASS VALVES SHALL BE INSTALLED ABOVE GRAVEL, PER THE DETAILS, AND NOT BE IN CONTACT WITH THE SOIL. THE REBAR FOR THE QUICK COUPLER AND THE SOIL STAPLES FOR THE DRIPLINE SHALL BOTH HAVE PVC COATING.



REVISIONS:	
DESCRIPTION	DATE
ADDENDUM 1	05/13/2024

DATE ISSUED: 2024-05-28  
PROJECT NO: 2020-40160  
DSA APPLICATION NO: 04-122485  
SCALE: As indicated  
SHEET NUMBER: **L-4.01**  
SHEET TITLE:

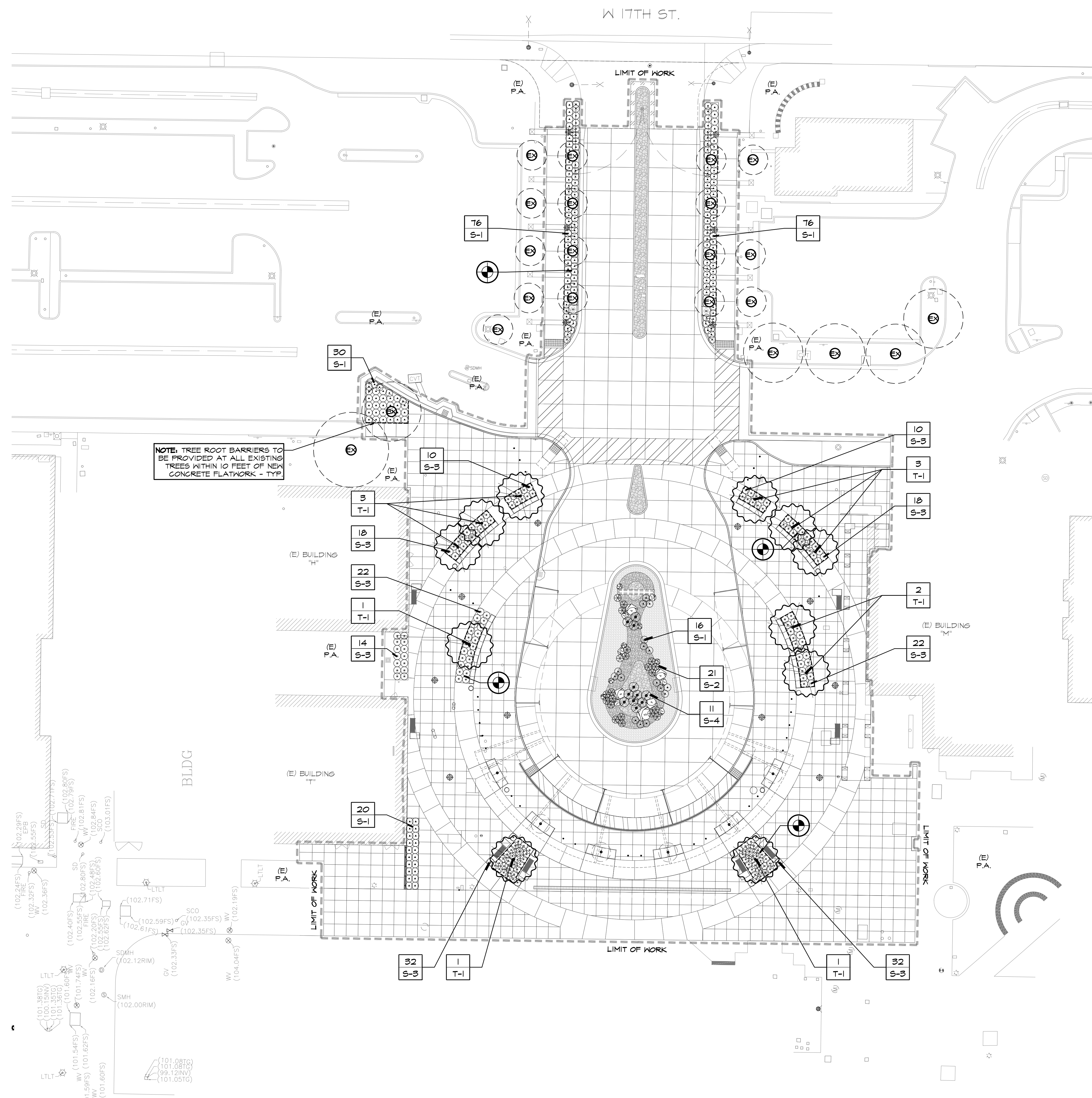
**IRRIGATION  
DETAILS**



31591 Camino Capistrano  
San Juan Capistrano, CA 92675  
www.RJMDesignGroup.com  
(949) 493-2690 fax  
(949) 493-2600 phone



UNDERGROUND SERVICE  
ALERT  
CALL:  
811  
TWO WORKING DAYS  
BEFORE YOU DIG



NOTE: TREE ROOT BARRIERS TO BE PROVIDED AT ALL EXISTING TREES WITHIN 10 FEET OF NEW CONCRETE FLATWORK - TYP

**TREE LEGEND**

	BOTANICAL NAME COMMON NAME	SIZE	REMARKS	QTY.
T-1	PARKINSONIA X 'DESERT MUSEUM' DESERT MUSEUM PALO VERDE	48" BOX	DETAIL 5, SHEET L-6.0 25' H X 20' W STD.	11
EX	EXISTING TREES - TO REMAIN	-	PROTECT-IN-PLACE AS SHOWN	

**SHRUB LEGEND**

	BOTANICAL NAME COMMON NAME	SIZE	REMARKS	QTY.
S-1	ANIGOZANTHOS 'BIG RED' RED KANGAROO PAW	5 GAL. @ 3'-0" O.C.	DETAILS 2&3, SHEET L-6.0	218
S-2	MULLENBERGIA RIGENS DEER GRASS	5 GAL. @ 3'-0" O.C.	DETAILS 2&3, SHEET L-6.0	21
S-3	PHORMIUM 'MAORI QUEEN' NEW ZEALAND FLAX	5 GAL. @ 3'-0" O.C.	DETAILS 2&3, SHEET L-6.0	180
S-4	SALVIA LEUCANTHA MEXICAN BUSH SAGE	5 GAL. @ 4'-0" O.C.	DETAILS 2&3, SHEET L-6.0	11

**PLANT SYMBOL LEGEND**

#	TREE QUANTITY	⊙	LOCATION OF AGRONOMIC SOIL TESTING
T-1	TREE VARIETY	---	ROOT BARRIER
#	SHRUB QUANTITY		NOTE: SEE THE SPECIFICATIONS FOR DETAILED INFORMATION ON THESE ITEMS.
S-1	SHRUB VARIETY		

**NOTES:**

- FOR GENERAL PLANTING NOTES AND PLANTING DETAILS SEE SHEET L-6.0
- ALL SHRUB AREAS TO RECEIVE A 4" LAYER OF MULCH. SEE SHEET L-6.0 FOR PLANTING NOTES AND DETAILS.
- CONTRACTOR SHALL ESTABLISH A TREE PROTECTION ZONE (TPZ) FOR ALL EXISTING TREES WITHIN PROJECT LIMIT OF WORK AND THOSE IMMEDIATELY ADJACENT WITHIN 10'.
- CONTRACTOR SHALL STAKE ALL FINAL LOCATIONS OF ALL PLANT MATERIAL FOR REVIEW AND APPROVAL FROM THE DISTRICT, PRIOR TO PLANTING.
- PER PROJECT GEOTECH REPORT, WHERE NEW TREES OR LARGE SHRUBS ARE TO BE LOCATED IN CLOSE PROXIMITY OF NEW CONCRETE FLATWORK, RIGID MOISTURE / ROOT BARRIERS SHOULD BE PLACED AROUND THE PERIMETER OF THE FLATWORK TO AT LEAST 2 FEET IN DEPTH IN ORDER TO PROTECT THE FLATWORK FROM POTENTIAL ROOT AND MOISTURE DAMAGE. EXISTING MATURE TREES ADJACENT TO NEW FLATWORK SHOULD ALSO INCLUDE RIGID MOISTURE / ROOT BARRIERS PLACED AT LEAST 2 FEET IN DEPTH BELOW THE TOP OF THE FLATWORK. SEE PLANS AND SPECS FOR LOCATIONS.
- CONTRACTOR TO PROVIDE ROOT BARRIERS AT EXISTING TREES WITHIN 10 FEET OF NEW CONCRETE FLATWORK.

**NOTICE TO CONTRACTOR**

CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PROTECTION OF ALL EXISTING SHRUB AND TURF AREAS TO REMAIN DURING CONSTRUCTION. DAMAGED SHRUB AND TURF AREAS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. TURF AREAS WITHIN EXISTING IRRIGATION RENOVATION / RETROFIT ZONES AS INDICATED ON THE PROJECT IRRIGATION PLANS SHALL BE MAINTAINED AND REPAIRED IF NEEDED WITH NEW SOD.

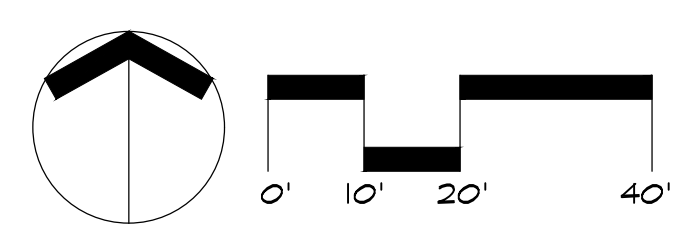


**REVISIONS:**

NO.	DESCRIPTION	DATE
▲	ADDENDUM 1	05/13/2024
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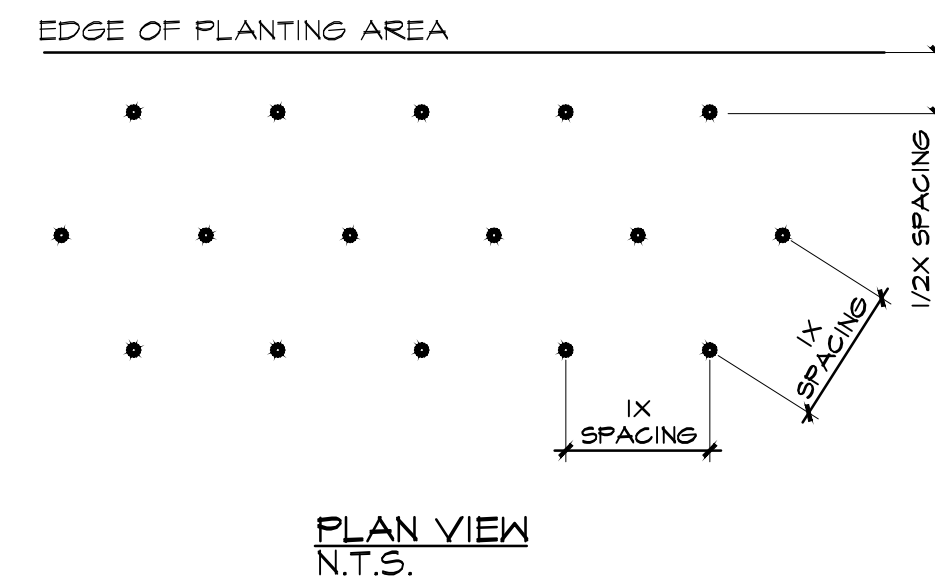
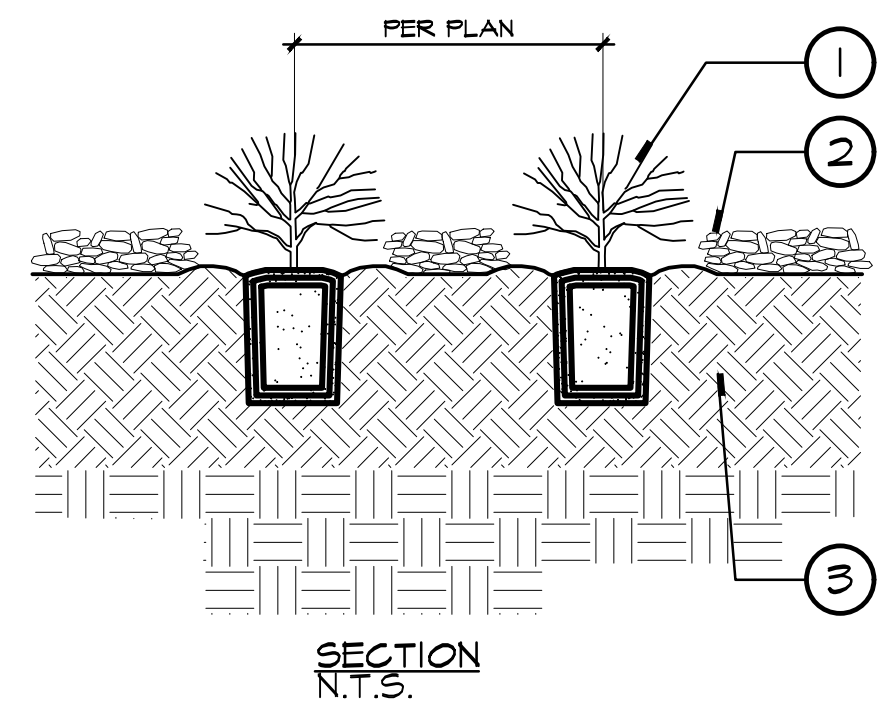
**DATE ISSUED:** 2021-07-19  
**PROJECT NO:** 2020-00160  
**DSA APPLICATION NO:** 04-122485  
**SCALE:** As Indicated  
**SHEET NUMBER:** **L-5.0**  
**SHEET TITLE:**

**PLANTING PLAN**

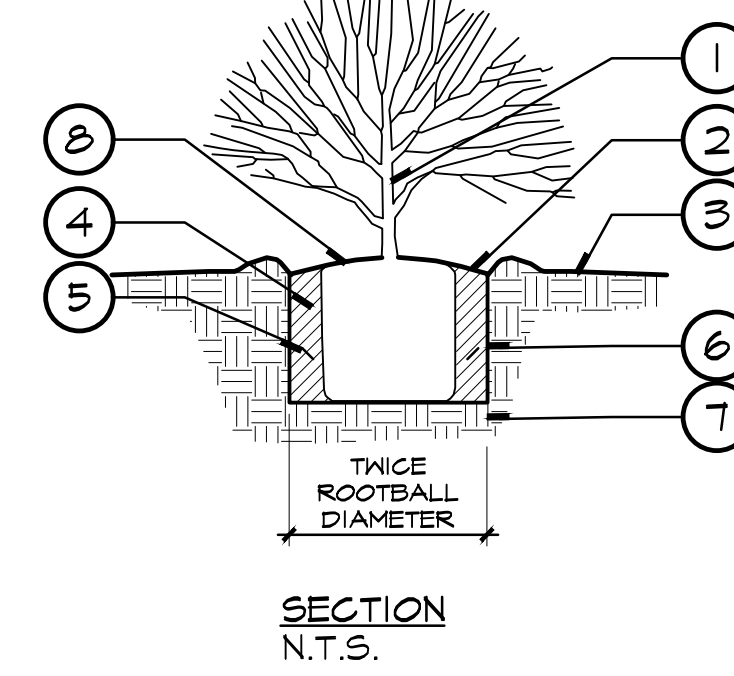


**CORROSIVE SOIL NOTE:**  
 PER THE SOILS REPORT, THE SITE DOES HAVE CORROSIVE SOIL. SEE 'CORROSION POTENTIALS' AND ALL RELEVANT SECTIONS OF THE SOILS REPORT.

**UNDERGROUND SERVICE ALERT**  
 CALL: 811  
 TWO WORKING DAYS BEFORE YOU DIG



- LEGEND:**
- ① GROUND COVER FROM FLAT, CUTTING, LINER, OR PLANTING CONTAINER.
  - ② 4" LAYER OF MULCH (DEPTH PER SPECIFICATIONS).
  - ③ PLANTING BED DEPTH PER SPECIFICATIONS.

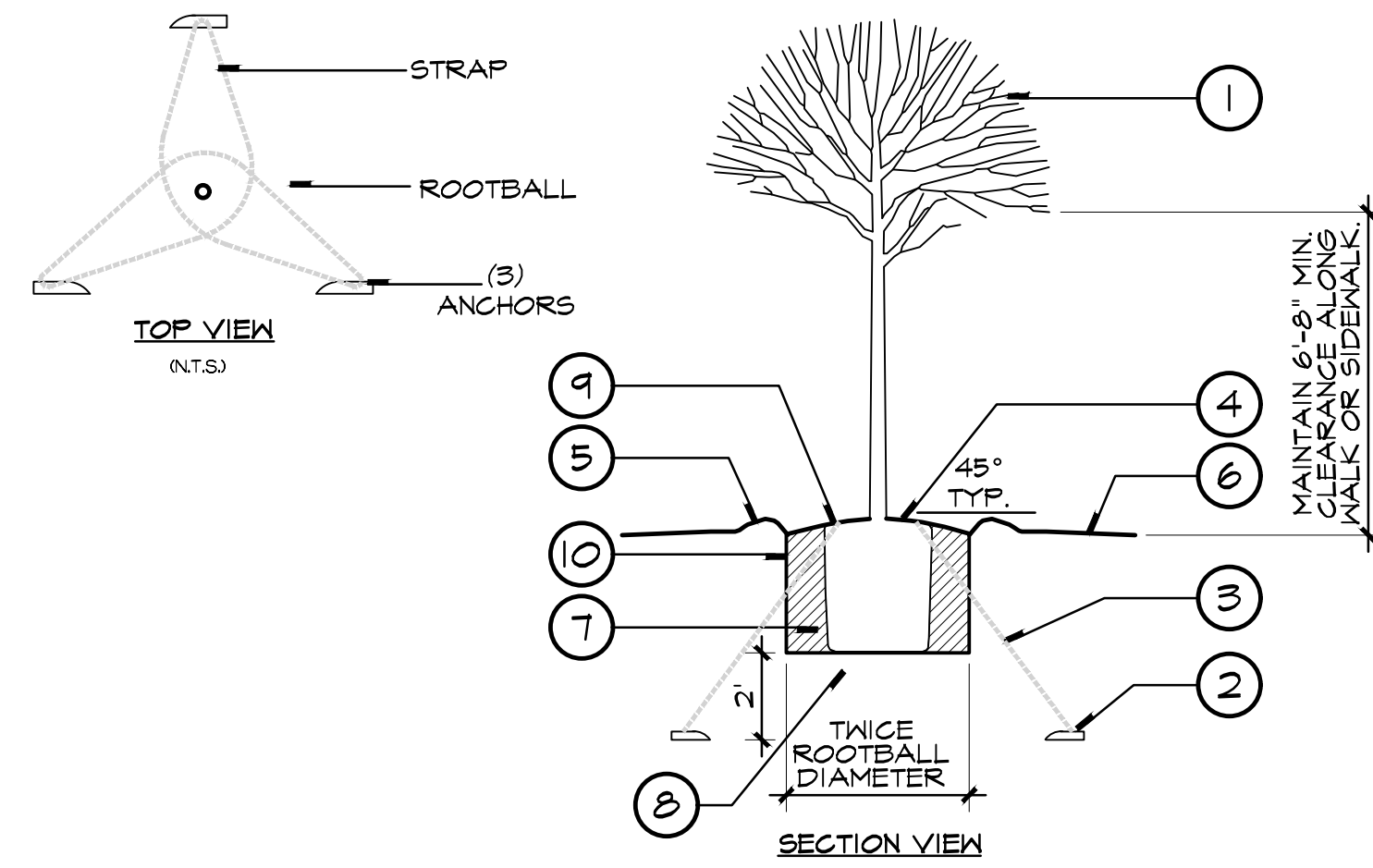


- LEGEND:**
- ① SHRUB - CENTER IN PIT.
  - ② 2" DEEP WATERING BASIN.
  - ③ FINISH GRADE.
  - ④ AMENDED BACKFILL - REFER TO SPECIFICATIONS.
  - ⑤ PLANTING TABLETS - REFER TO SPECIFICATIONS FOR QUANTITY AND PLACEMENT.
  - ⑥ SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
  - ⑦ NATIVE UNDISTURBED SOIL.
  - ⑧ SET TOP OF ROOTBALL 2" ABOVE SURROUNDING GRADE AND SLOPE FOR DRAINAGE.

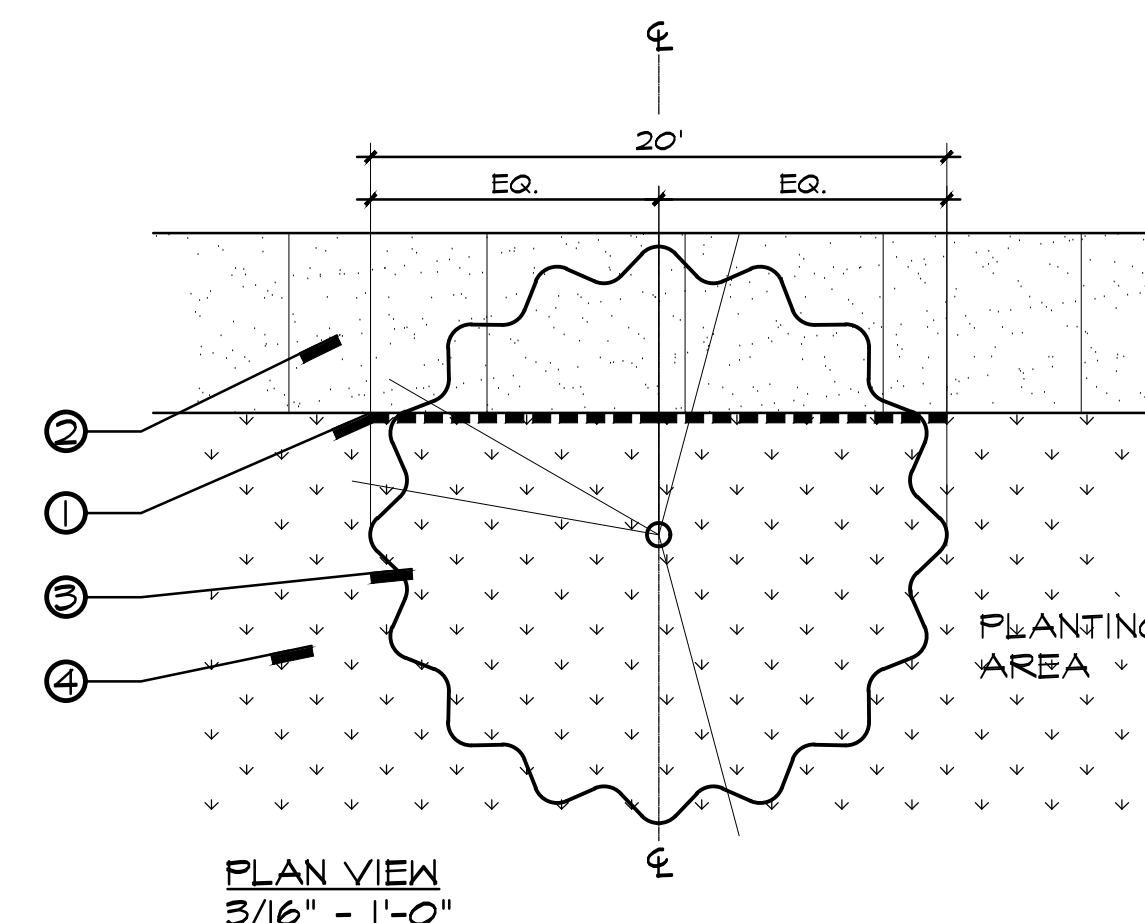
- PLANTING NOTES**
- ① ALL TREES WITHIN A SPECIES SHALL HAVE MATCHING & UNIFORM FORM.
  - ② ALL LANDSCAPED AREAS TO RECEIVE AUTOMATED IRRIGATION.
  - ③ REFER TO PLANTING SPECIFICATIONS FOR SOIL PREPARATION, FERTILIZATION, MULCHING, AND OTHER ADDITIONAL PLANTING INFORMATION.
  - ④ ALL PLANT MATERIAL SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT/DISTRICT PRIOR TO INSTALLATION.
  - ⑤ FINAL LOCATION OF ALL PLANT MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT/DISTRICT.
  - ⑥ CONTRACTOR SHALL NOTIFY THE COUNTY PROJECT MANAGER/COUNTY INSPECTOR 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULES.
  - ⑦ SEE DETAILS AND SPECIFICATIONS FOR STAKING METHOD, PLANT PIT DIMENSIONS AND BACKFILL REQUIREMENTS.
  - ⑧ IF CONFLICTS ARISE BETWEEN SIZE OF AREAS AND PLANS, CONTRACTOR TO CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN TO THE LANDSCAPE ARCHITECT WILL RESULT IN CONTRACTOR'S LIABILITY TO RELOCATE THE MATERIALS.
  - ⑨ CONTRACTOR SHALL SUBMIT FOR APPROVAL PHOTOS OF ALL BOXED TREES. PHOTOS SHOULD INCLUDE A PERSON FOR SCALE PURPOSES. ALL BOX TREES SHALL BE OF QUALITY AS DETERMINED BY THE OWNER/LANDSCAPE ARCHITECT. MATERIAL FOUND UNSUITABLE FOR THE DESIGN OR SPECIFICATION INTENT WILL BE REJECTED. THE CONTRACTOR SHALL ALSO SUBMIT WRITTEN SPECIFICATIONS FOR ALL PLANT MATERIAL SPECIFIED ON THIS PROJECT PRIOR TO PLACING ORDER. FAILURE TO DO SO COULD RESULT IN THE REPLACEMENT (AT CONTRACTOR'S EXPENSE) OF ANY PLANTS DETERMINED UNACCEPTABLE BY LANDSCAPE ARCHITECT/DISTRICT.
  - ⑩ IT IS THE CONTRACTOR'S RESPONSIBILITY TO FURNISH PLANT MATERIALS FREE OF PESTS OR PLANT DISEASES. PRE-SELECTED OR TAGGED MATERIAL MUST BE INSPECTED BY THE CONTRACTOR AND CERTIFIED PEST AND DISEASE FREE. IT IS THE CONTRACTOR'S OBLIGATION TO WARRANT ALL PLANT MATERIALS PER THE SPECIFICATIONS.
  - ⑪ CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIM/HERSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPELINES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF SAID UTILITIES. CONTRACTOR SHOULD CALL UNDERGROUND SERVICE ALERT (2) FULL WORKING DAYS BEFORE COMMENCING ANY DIGGING. PHONE 811 FOR U.S.A.
  - ⑫ CONTRACTOR SHALL NOT PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DISTRICT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
  - ⑬ CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AND CONSTRUCTION MANAGER AS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS.
  - ⑭ PLANT MATERIAL QUANTITIES ARE GIVEN FOR CONVENIENCE ONLY. PLANT SYMBOLS AND SPECIFIED SPACING SHALL TAKE PRECEDENCE. CONTRACTOR SHALL VERIFY PLANT MATERIAL QUANTITIES PER PLAN.
  - ⑮ CONTRACTOR TO ASSURE POSITIVE DRAINAGE IN ALL PLANTING AREAS - 2% MINIMUM ALLOWED.
  - ⑯ AFTER ROUGH GRADES HAVE BEEN ESTABLISHED IN PLANTING AREAS, CONTRACTOR SHALL HAVE SOIL SAMPLES TAKEN AT THE LOCATIONS INDICATED BY DESIGNATION (4 TOTAL). CONTRACTOR SHALL INFORM SOIL TESTING LAB OF THE PLANTING MATERIAL SPECIFIED IN SOIL TESTING RECOMMENDATIONS CAN BE GIVEN. THESE SAMPLES SHALL BE TESTED BY WAYPOINT ANALYTICAL OR APPROVED EQUAL CONTACT: JOE KIEFER (714) 282-8777 FOR SOIL FERTILITY, AGRICULTURAL SUITABILITY TEST AND SOIL PREPARATION RECOMMENDATIONS. TWO SAMPLES SHALL BE TAKEN AT EACH LOCATION: (1) GROUND LEVEL TO 10" DEEP, (2) 24" TO 36" DEEP. EACH SAMPLE SHALL CONTAIN APPROXIMATELY 1 QUART OF SOIL AND BE LABELED PER LOCATION AND DEPTH. CONTRACTOR SHALL INSTALL SOIL PREPARATION AND BACKFILL MIX TO CONFORM TO THESE RECOMMENDATIONS ONLY UPON RECEIPT OF WRITTEN CHANGE ORDER FROM OWNER. SUBMIT SOIL REPORT TO DISTRICT PRIOR TO PLANTING.

**3 GROUNDCOVER PLANTING**

**2 SHRUB PLANTING**



- LEGEND:**
- ① TREE - CENTER IN PIT.
  - ② DUCKBILL ROOTBALL ANCHOR KIT, SPECIFY "LARGE Ø8RBK KIT" TYPICAL OR APPROVED EQUAL. EACH KIT INCLUDES: (3) DUCKBILLS, (2) FT) 3/16" TENSION CABLE, (1) RATCHET TENSION STRAP.
  - ③ INSTALL ROOTBALL ANCHOR KIT PER MANUFACTURER'S RECOMMENDATIONS.
  - ④ 4" DEEP SHREDDED BARK MULCH AROUND TREE. SEE PLANTING PLANS FOR MULCH SPREAD DIAMETER.
  - ⑤ TIGHTLY COMPACTED 3" BERM TO FORM WATERING BASIN
  - ⑥ FINISH GRADE
  - ⑦ AMMENDED BACKFILL - REFER TO SPECIFICATIONS
  - ⑧ NATIVE UNDISTURBED SOIL
  - ⑨ SET TOP OF ROOTBALL 2" ABOVE SURROUNDING GRADE AND SLOPE FOR DRAINAGE.
  - ⑩ SCARIFY SIDES AND BOTTOM OF PLANTING PIT



- LEGEND**
- ① DEEP ROOT BARRIER. ALL TREES PLANTED WITHIN 10' OF ANY HARDSCAPE ELEMENT (SIDEWALKS, WALLS, D.G., PAVERS, CURBS, ETC.) SHALL RECEIVE ROOT BARRIERS BY DEEP ROOT CORP. MODEL #RB 24-2. CONTACT INFO: (415) 781-9700. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. SEE SPECIFICATIONS.
  - ② ADJACENT HARDSCAPE. SEE CIVIL ENGINEER'S PLANS.
  - ③ TREE.
  - ④ ADJACENT LANDSCAPE.
- NOTES**
- ① ALL TREES WITHIN 10' OF HARDSCAPE TO HAVE DEEP ROOT BARRIERS INSTALLED AT THE TIME OF PLANTING.

- ⑰ GROUND COVERS AND SHRUBS SHALL BE TRIANGULARLY SPACED, UNLESS OTHERWISE INDICATED.
- ⑱ SHOULD IMPORT SOIL BE NECESSARY, INDICATE SOURCE LOCATION. SEE PROJECT GEOTECHNICAL REPORT. SOIL SHALL BE SANDY LOAM CONTAINING NO TOXIC CHEMICALS OR ELEMENTS WHICH MAY INHIBIT OR RETARD NORMAL PLANT GROWTH. SOIL TESTING RESULTS SHALL BE SUBMITTED AND APPROVED PRIOR TO SOIL IMPLEMENTATION.
- ⑲ ALL LANDSCAPED AREAS (EXCLUDING TURF) SHALL BE MULCHED WITH A 4" DEEP LAYER OF MULCH, PER SPECIFICATIONS, AT THE CONCLUSION OF PLANTING OPERATIONS.
- ⑳ AT EDGES OF PLANTING AREAS, THE CENTER LINE OF THE LAST ROW OF SHRUBS AND/OR GROUND COVER SHALL BE LOCATED NO FARTHER FROM OR CLOSER TO THE EDGE THAN ONE-HALF THE SPECIFIED ON-CENTER SPACING.
- ㉑ REMOVE ALL NURSERY STAKES AND ESPALIER RACKS IMMEDIATELY AFTER INSTALLATION, UPON PROVIDING SUPPORT PER DETAILS, THIS SHEET.
- ㉒ ROOT BARRIER NOTE: ALL TREES PLANTED WITHIN 10' OF ANY HARDSCAPE ELEMENT (SIDEWALKS, WALLS, D.G., PAVERS, CURBS, ETC.) SHALL RECEIVE ROOT BARRIERS BY DEEP ROOT CORP. (714) 898-0868. NUMBER OF PANELS PER TREE PER MANUFACTURER'S RECOMMENDATION. SEE SPECIFICATIONS.
- ㉓ CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PROTECTION OF ALL EXISTING SHRUB AND TURF AREAS TO REMAIN DURING CONSTRUCTION. DAMAGED SHRUB AND TURF AREAS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. TURF AREAS WITHIN EXISTING IRRIGATION RENOVATION/RETROFIT ZONES AS INDICATED ON THE PROJECT IRRIGATION PLANS SHALL BE MAINTAINED AND REPAIRED IF NEEDED WITH NEW SOD.
- ㉔ PER PROJECT GEOTECH REPORT: WHERE NEW TREES OR LARGE SHRUBS ARE TO BE LOCATED IN CLOSE PROXIMITY OF NEW CONCRETE FLATWORK, RIGID MOISTURE / ROOT BARRIERS SHOULD BE PLACED AROUND THE PERIMETER OF THE FLATWORK TO AT LEAST 2 FEET IN DEPTH IN ORDER TO PROTECT THE FLATWORK FROM POTENTIAL ROOT AND MOISTURE DAMAGE. EXISTING MATURE TREES NEED FLATWORK SHOULD ALSO INCLUDE RIGID MOISTURE / ROOT BARRIERS PLACED AT LEAST 2 FEET IN DEPTH BELOW THE TOP OF THE FLATWORK. SEE PLANS AND SPECS FOR LOCATIONS.

**5 TREE PLANTING (36" BOX & LARGER)**

**4 ROOT BARRIER**

**1 PLANTING NOTES**

**RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT**  
**SANTA ANA COLLEGE CAMPUS ENTRY IMPROVEMENTS PROJECT**  
 1530 W 17th St, Santa Ana, CA 92706



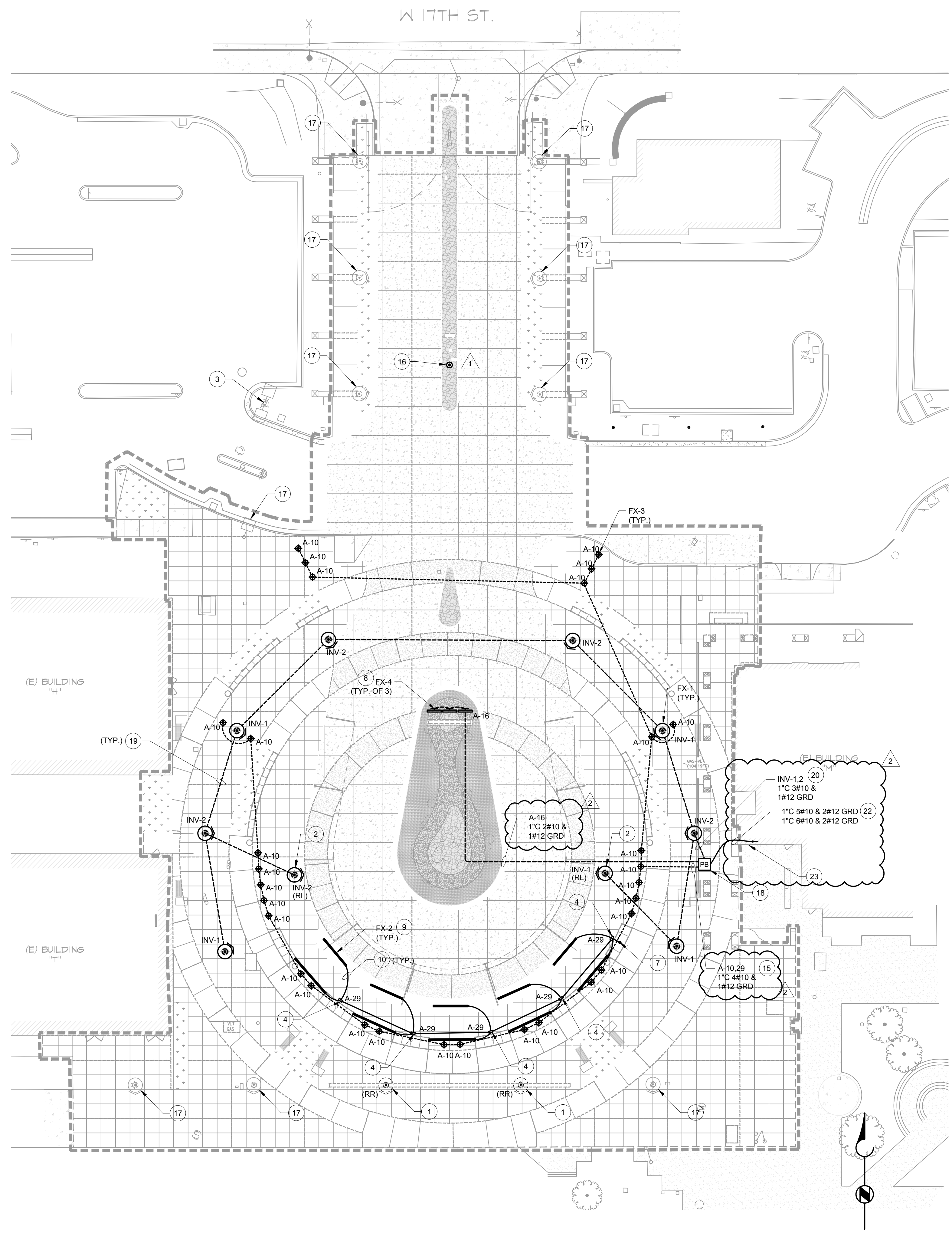
**REVISIONS:**

NO.	DESCRIPTION	DATE
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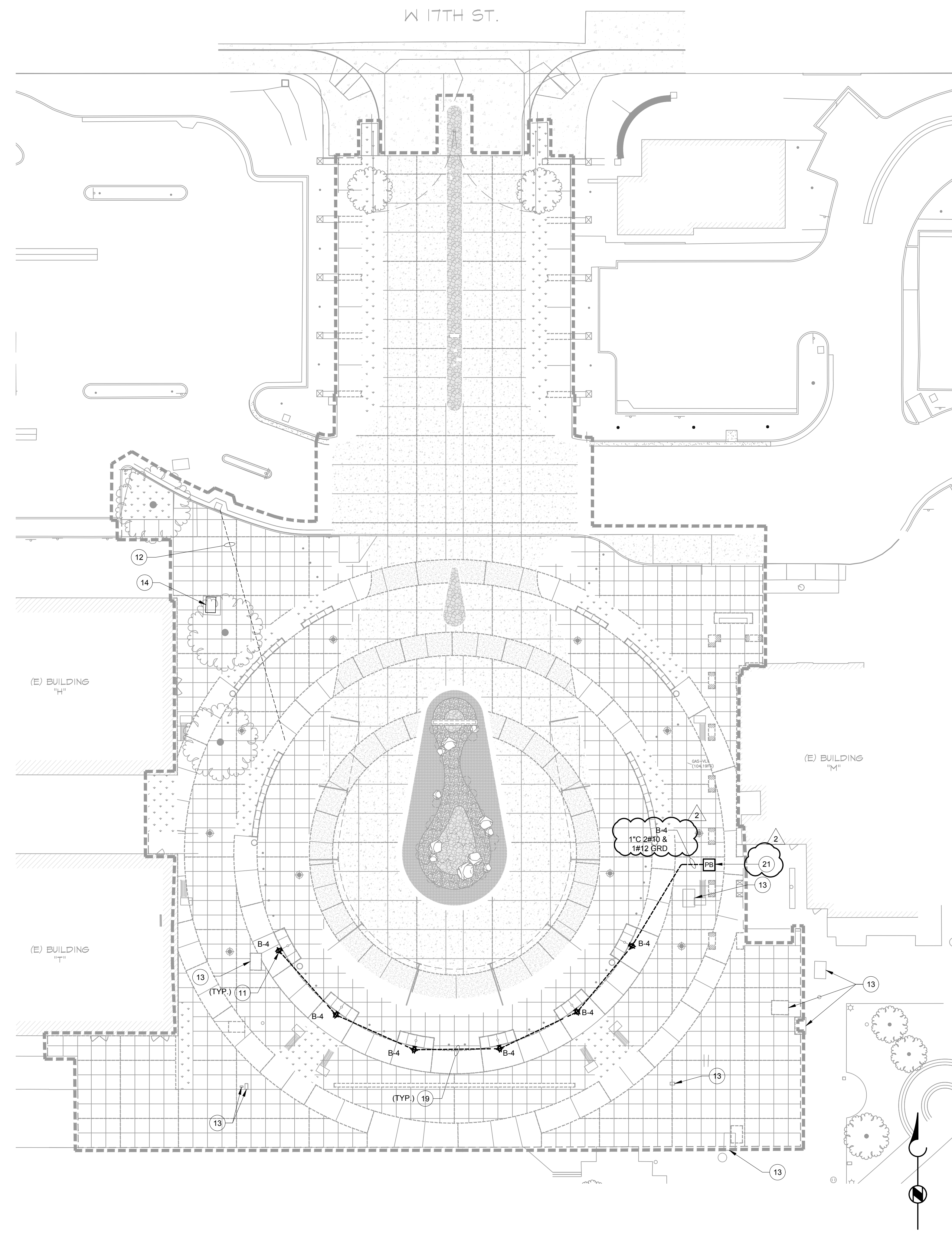
**DATE ISSUED:** 2021-07-19  
**PROJECT NO:** 2020-40160  
**DSA APPLICATION NO:** 04-122485  
**SCALE:** As indicated  
**SHEET NUMBER:** L-6.0  
**SHEET TITLE:**

**PLANTING DETAILS**





LIGHTING PLAN SCALE 1" = 20'-0" 1



POWER PLAN SCALE 1" = 20'-0" 2

**GENERAL NOTES:**

1. IN CASE OF ANY DISCREPANCIES WITH EXISTING FIELD CONDITIONS, ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT DIFFERENCES AND NOTIFY THE ELECTRICAL ENGINEER FOR POSSIBLE REVISION TO THESE DOCUMENTS.
2. ANY ELECTRICAL AND/OR SIGNAL UTILITY SHUTDOWNS WITHIN THE AREA OF WORK SHALL BE COORDINATED AND SCHEDULED IN ADVANCE WITH THE COLLEGE'S REPRESENTATIVE TO NOT AFFECT CAMPUS SERVICES.
3. CONTACT DIG ALERT BEFORE DIGGING. ENSURE TO NOT DISTURB EXISTING POWER, FIRE ALARM, DATA AND FIBER OPTIC LINE.
4. ALL ELECTRICAL POWER, FIRE ALARM AND COMMUNICATION PULL BOXES AND VAULTS TO REMAIN AND BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED. ADJUST TO GRADE AS NEEDED.



**RECONSTRUCTION NOTES:**

1. EXISTING AREA LIGHT TO BE REMOVED AND RELOCATED. LIGHT FOUNDATION TO BE REMOVED. DEMOLISH CONDUITS, WIRING AND SUPPORTS BACK TO NEAREST PULL BOX. MAINTAIN CIRCUIT CONTINUITY FOR EQUIPMENT/DEVICES TO REMAIN.
2. NEW LOCATION OF RELOCATED LIGHT FIXTURE. CIRCUIT AS SHOWN. SEE DETAIL 182E-5.1 FOR LIGHT FIXTURE DETAILS.
3. EXISTING FIXTURE TO REMAIN AND BE PROTECTED IN PLACE.
4. REMOTE POWER SUPPLY FOR LINEAR LIGHTS INSTALLED UNDER CANOPY.
5. PANEL 'A' & 'B' LOCATED IN BUILDING M, MAIN ELECTRICAL ROOM. ENLARGED ELECTRICAL ROOM ON 5/E-5.1 FOR REFERENCE.
6. PROVIDE NEW INVERTER AND (2) TIME CLOCK. SEE ENLARGED ELECTRICAL ROOM ON 5/E-5.1 FOR MORE INFORMATION.
7. CONDUIT TO STUB UP INSIDE CANOPY COLUMN. COORDINATE CONDUIT (1 INCH) ROUTING WITH OTHERS TO AVOID STRUCTURAL BEAMS.
8. SIGN LIGHTS SPACED AT 5'-4" ON CENTER. 10' IN FRONT OF THE SIGN. ALIGN CENTER LIGHT WITH THE CENTER OF THE SIGN. SEE DETAIL 6/E-5.1 FOR MORE INFORMATION.
9. FIXTURES TO BE MOUNTED BELOW CANOPY STRUCTURE ALONG CANOPY SUPPORT BEAM.
10. ROUTE WIRING FROM POWER SUPPLY TO CANOPY LIGHTS INSIDE CANOPY BEAM. USE ACCESS HOLES CREATED BY CANOPY VENDOR.
11. OUTLET ON SEAT WALL. PROVIDE GFCI RECEPTACLE WITH WEATHER PROOF COVER.
12. ABANDONED EMPTY COMMUNICATION CONDUIT TO BE REMOVED TO SOURCE.
13. ELECTRICAL POWER/COMMUNICATION PULL BOX/VAULT TO REMAIN AND BE PROTECTED IN PLACE. ADJUST TO GRADE AS NEEDED.
14. EXISTING EMPTY ELECTRICAL VAULT TO BE REMOVED.
15. PROVIDE A SEPARATE NEUTRAL FOR EACH CIRCUIT.

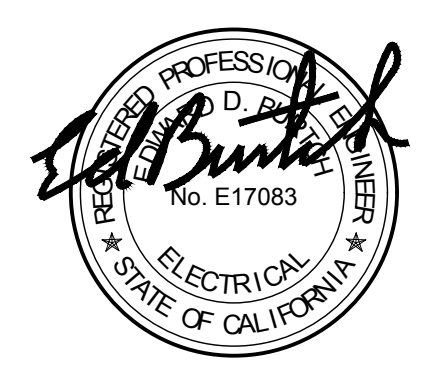
16. CAMERA AND POLE TO BE REMOVED AND STORED DURING CONSTRUCTION OF CONCRETE WALKWAY/MERIDIAN FOR PROTECTION. FOOTING TO BE REMOVED. PROVIDE NEW FOOTING DURING REINSTALLATION. SEE DETAIL 1/E1.3 FOR CAMERA POLE BASE DETAIL.
17. REMOVE AND REINSTALL EXISTING AREA LIGHT AND FOOTING TO BE FLUSH WITH NEW GRADE. SEE DETAIL 2/E-5.1 FOR FOOTING DETAIL.
18. PROVIDE MIN 12X6" PULL BOX LABELED 'ELECTRICAL'. SEE DETAIL 4/E-5.1 FOR MORE INFORMATION.
19. SEE 3/E5.1 FOR UNDERGROUND WIRING DETAIL.
20. ROUTE THROUGH TIME CLOCK A.
21. SEE PULL BOX ON LIGHTING PLAN.
22. COMBINE ALL WIRING FOR PANEL 'A' INTO (1) 1" CONDUIT. COMBINE ALL WIRING FOR INVERTER AND PANEL 'B' (SEE POWER PLAN) INTO (1) 1" CONDUIT.

23. ENTER BUILDING M ON SOUTH EAST CORNER. STUB UP INTO 8X6 SURFACE MOUNTED PULL BOX AND STUB IN ABOVE BUILDING M CURB INTO BUILDING WALL. RUN CONDUIT AND WIRING INSIDE WALL INTO CEILING SPACE AND ROUTE CONDUIT AND WIRING BACK TO ELECTRICAL ROOM. PROVIDE FRAMING AND PLASTER TO MATCH EXISTING EXTERIOR AROUND EXPOSED CONDUIT TO HIDE ELECTRICAL CONDUIT.

**LEGEND:**

(RL)	RELOCATED
(RR)	REMOVE AND RELOCATE
---	REMOVE/DEMOLISH
---	EXISTING
---	NEW

**RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT**  
**SANTA ANA COLLEGE CAMPUS ENTRY IMPROVEMENTS PROJECT**  
 1530 W 17th St, Santa Ana, CA 92706

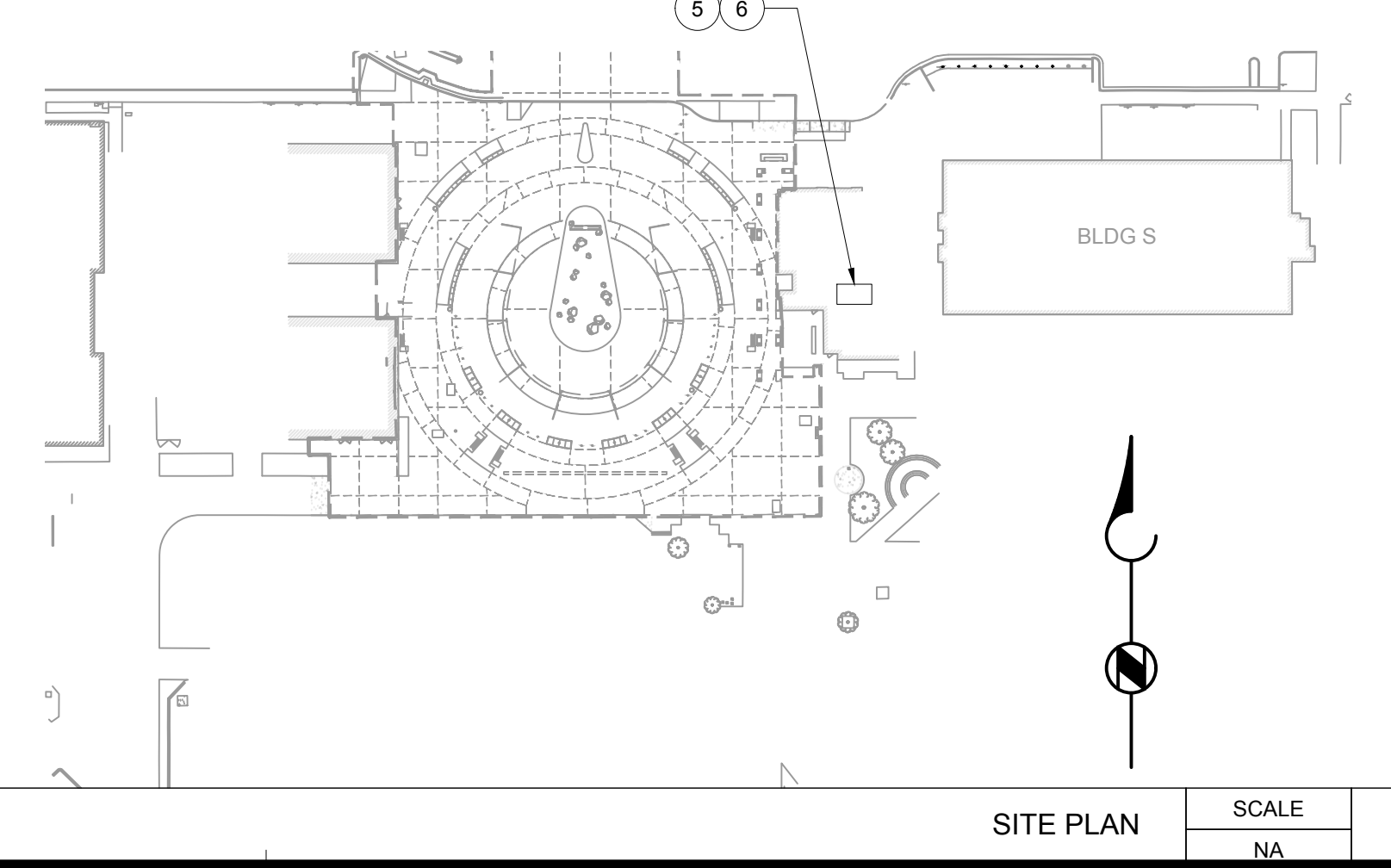


**REVISIONS:**

DESCRIPTION	DATE
ADDENDUM 1	05/14/2024
ADDENDUM 2	06/03/2024

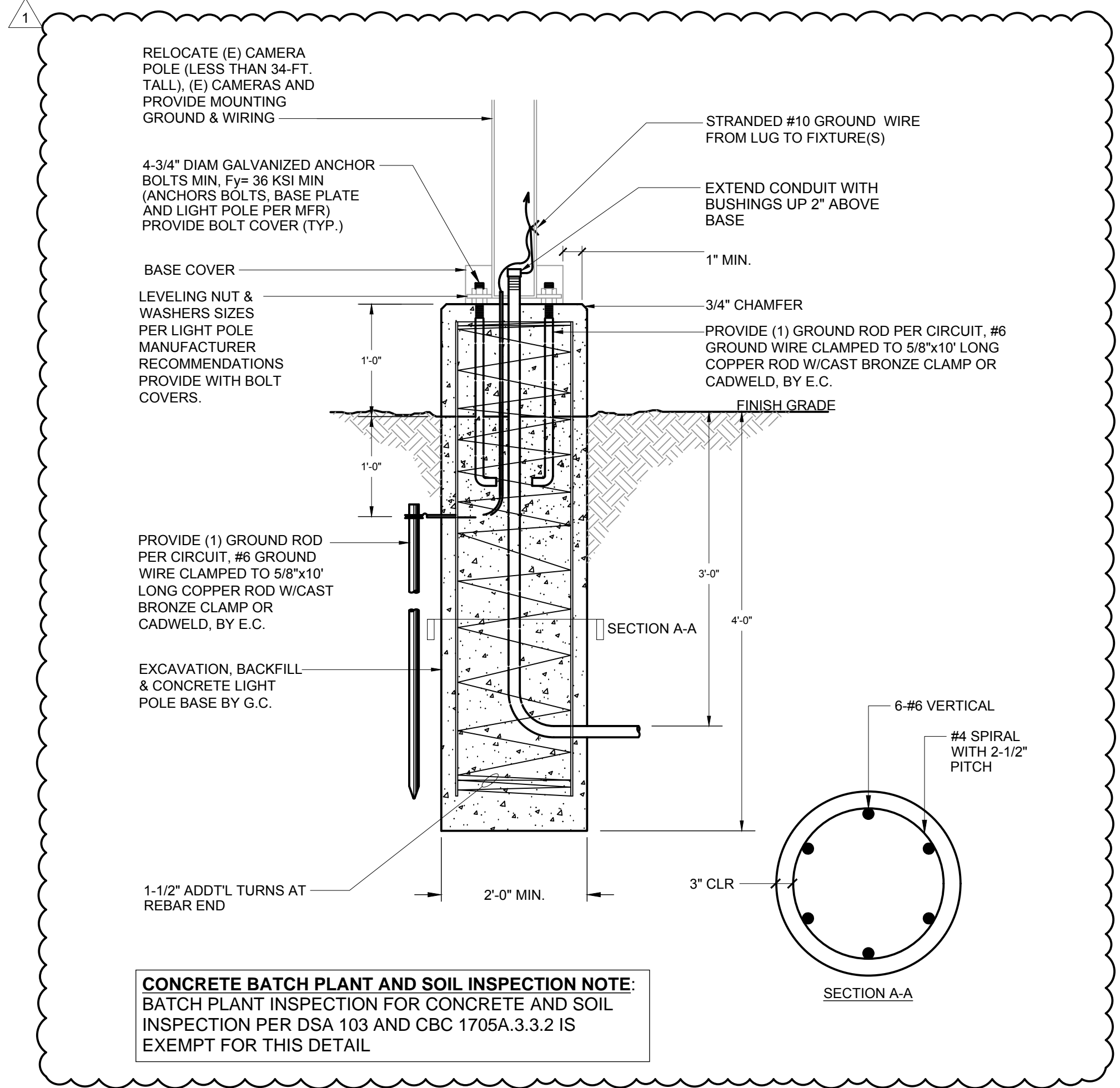
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**DSA APPLICATION NO:** 04-122485  
**SCALE:**  
**SHEET NUMBER:** E-1.2  
**SHEET TITLE:**

**POWER AND LIGHTING PLANS**

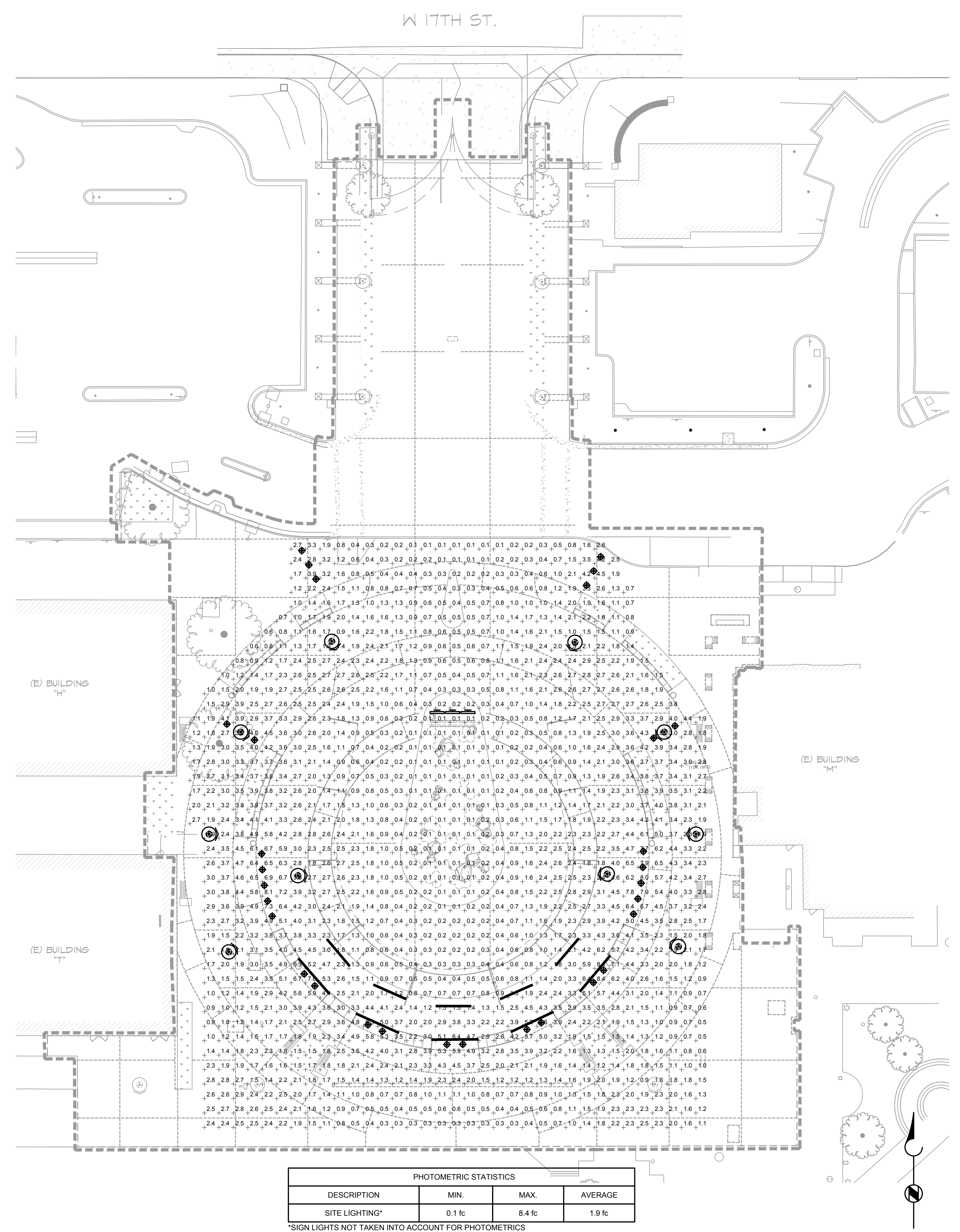


SITE PLAN SCALE NA 0

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 FILE NO.: 120-10-02



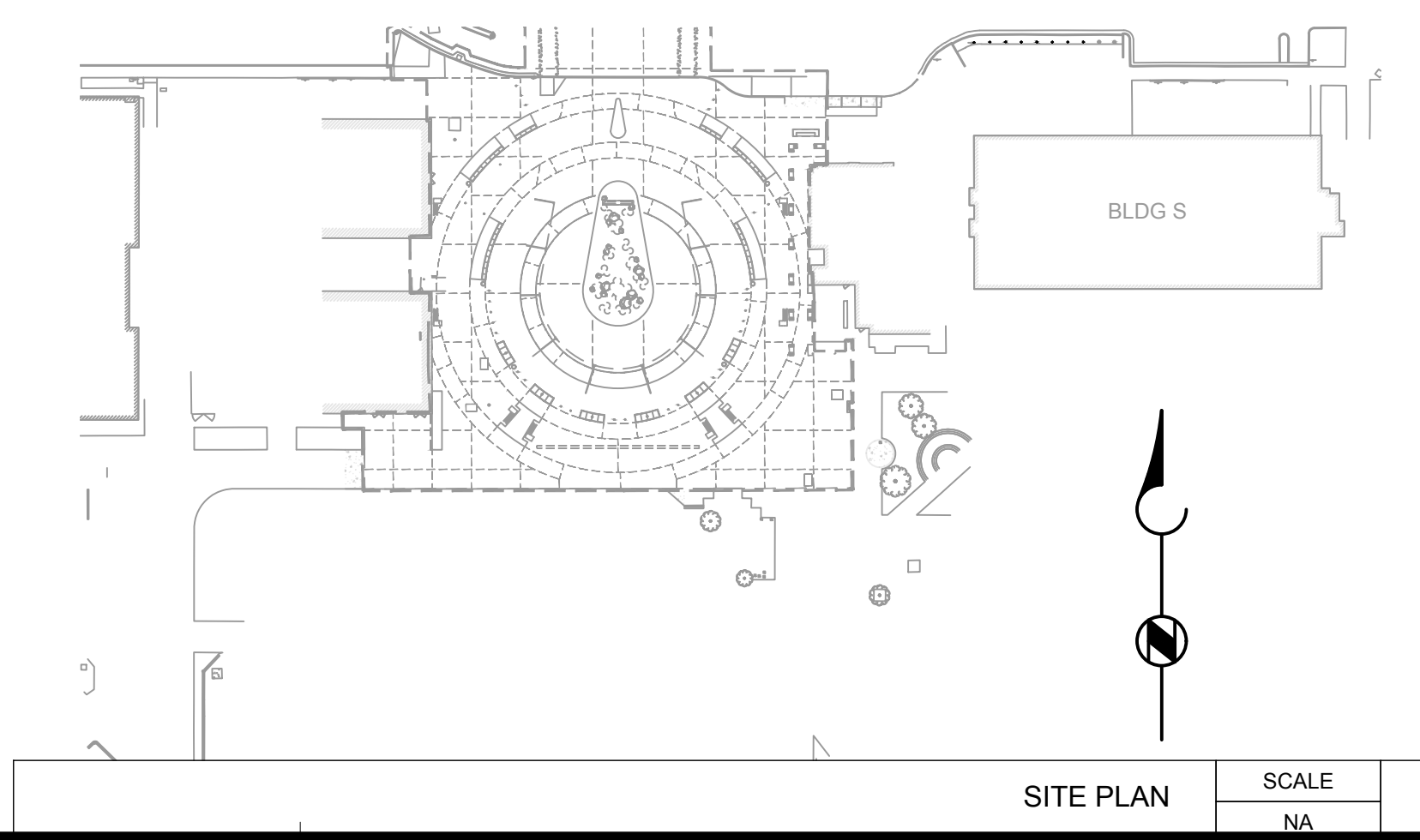
CAMERA POLE BASE DETAIL SCALE N.T.S. 1



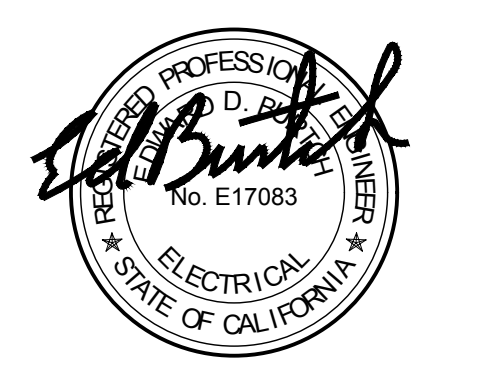
LIGHTING PHOTOMETRIC SCALE 1" = 20'-0" 2

PHOTOMETRIC NOTES:

- CALCULATION POINTS ARE 5' X 5' TYPICAL ON CENTER SPACING AT 0'-0" AFF.
- TABLES, EQUIPMENT, PARTITIONS, STAIRS, SLOPE AND OTHER OBSTRUCTIONS ARE NOT INCLUDED IN THE CALCULATION RESULTS UNLESS DRAWN IN MODEL.
- THE LIGHT FIXTURE USED FOR THE PHOTOMETRIC STUDY MAY VARY FROM THE LIGHT FIXTURE SCHEDULE ON SHEET E-5.1, DUE TO THE AVAILABILITY OF IES FILES. REFER TO SHEET E-5.1 FOR LIGHT FIXTURE SCHEDULE FOR THE COMPLETE SPECIFICATION AND MODEL NUMBER.
- LUMINAIRE DATA IS OBTAINED ACCORDING TO IES PROCEDURES UNDER LABORATORY CONDITIONS. FIELD RESULTS MAY DIFFER FROM COMPUTER MODEL DUE TO MANY FACTORS INCLUDING BUT NOT LIMITED TO AMBIENT TEMPERATURE, LINE VOLTAGE VARIATION, INSTALLATION, REFLECTANCE AND OTHER SITE SPECIFIC CONDITIONS.
- THIS LIGHTING PHOTOMETRIC STUDY IS NOT A SUBSTITUTE FOR AN INDEPENDENT ENGINEERING ANALYSIS AND THE COORDINATION OF LIGHTING SYSTEM SUITABILITY, FIXTURE PLACEMENT, FIXTURE SELECTION AND SAFETY TO COMPLY WITH LOCAL BUILDING CODES AND PROJECT PROGRAMMING.



RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT  
 SANTA ANA COLLEGE CAMPUS ENTRY IMPROVEMENTS PROJECT  
 1530 W 17th St, Santa Ana, CA 92706



REVISIONS:

NO.	DESCRIPTION	DATE
1	ADDENDUM 1	05/14/2024

DATE ISSUED: 2024-02-09  
 PROJECT NO: 2020-40160  
 DSA APPLICATION NO: 04-122485  
 SCALE: E-1.3  
 SHEET NUMBER: E-1.3  
 SHEET TITLE:

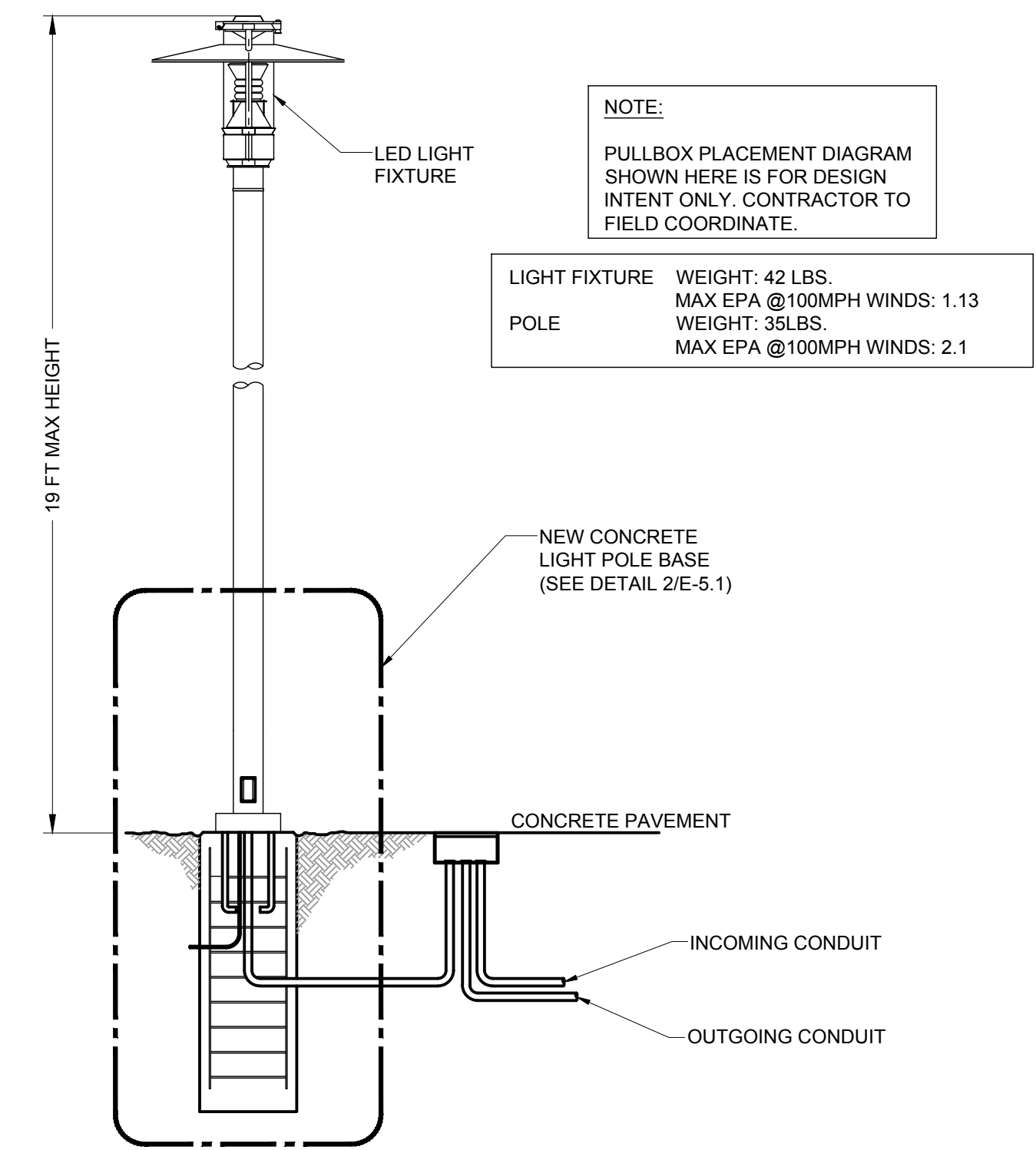
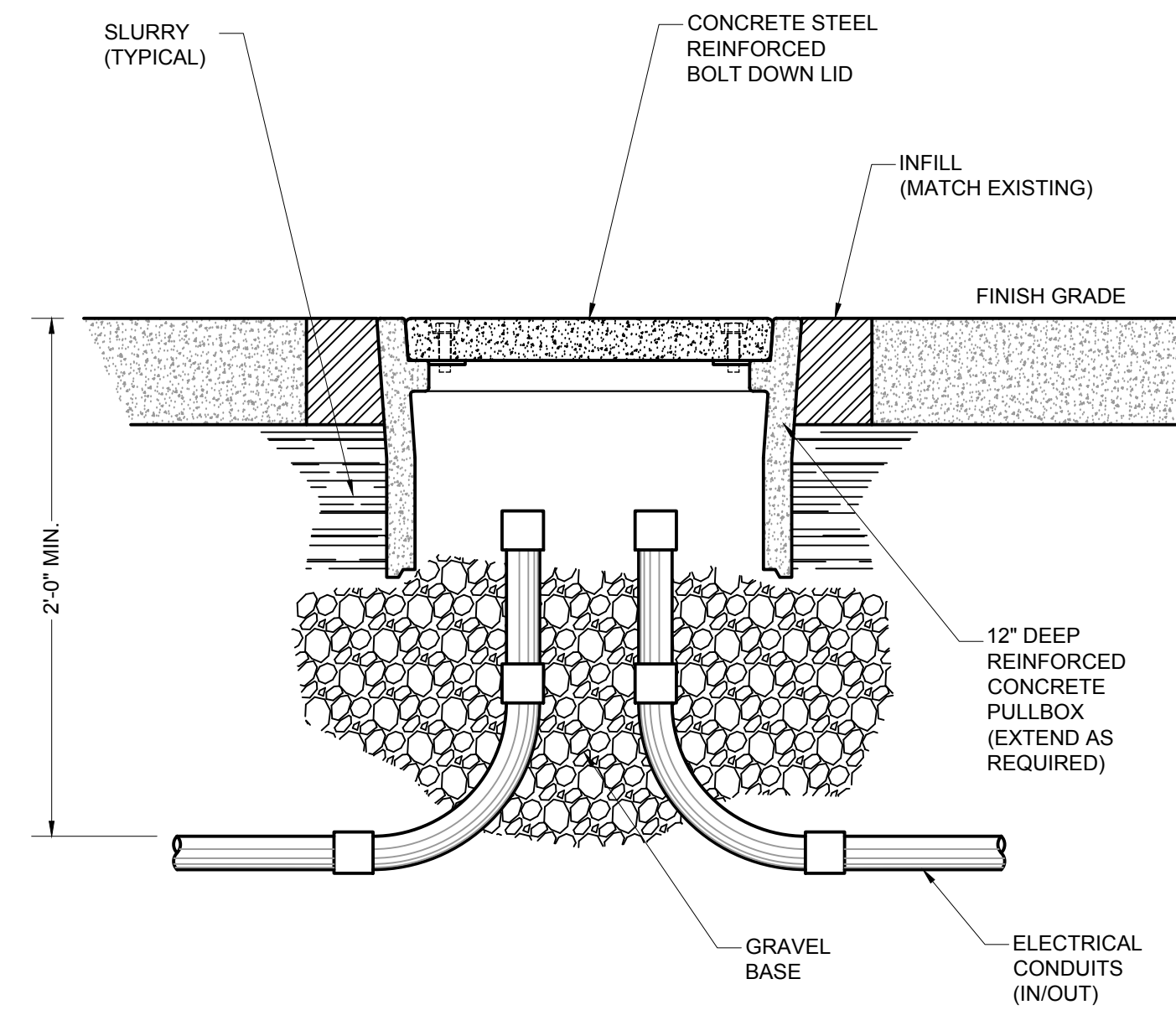
PHOTOMETRIC PLANS

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 Corona, CA 92879  
 P 951.340.1977 F 951.340.1090  
 FILE NO.: 120-10-02



**LIGHTING FIXTURE SCHEDULE**

CALL OUT	SYMBOL	DESCRIPTION	TOTAL VA	VOLTAGE	LAMPS	MOUNTING	REMARKS
FX-1	⊙	AREA LIGHTS ARCHITECTURAL LIGHTING: SP1-STR-Y3-32LED-3K-550-COP-SCP 2920 LUMEN, 3000K	57	UNI (120/277)	LED 3000K	POLE	MOUNT AT 16' PROVIDE 4" STEEL ROUND POLE WITH 12" DIAMETER BASE COVER AND MATCH COLOR TO EXISTING AREA LIGHTS PROVIDE WITH SCP ACCESSORY FOR OCCUPANCY DETECTION
FX-2	—	LINEAR FIXTURE TIVOLI: TRCE-H-H-30-24 POWER SUPPLY: ADMN-240-2-4-24-DOT 144 LUMEN/FT, 3000K	4.5 VA/FT	24	LED 3000K	SURFACE	SEE A-31.3 FOR TOTAL RUN LENGTH PROVIDE WITH OUTDOOR 2X56W 0-10V DIMMING POWER SUPPLY
FX-3	◆	BOLLARD LIGHTING FORMS AND SURFACES: LBLCO-604 1545 LUMEN/FT, 3000K	17	UNI (120/277)	LED 3000K	BOLLARD	
FX-4	⊞	SIGN LIGHT KIM LIGHTING: INT-3-36L-40-3K7-HF-UNV-A12-5M18 4500 LUMEN, 3000K	40	UNI (120/277)	LED 3000K	STANCHION	MOUNT AT 10' IN FRONT OF SIGN, AT SPACING OF 5'-4" ON CENTER.



LIGHT FIXTURE SCHEDULE SCALE N.T.S. 7

UNDERGROUND PULL BOX DETAIL SCALE N.T.S. 4

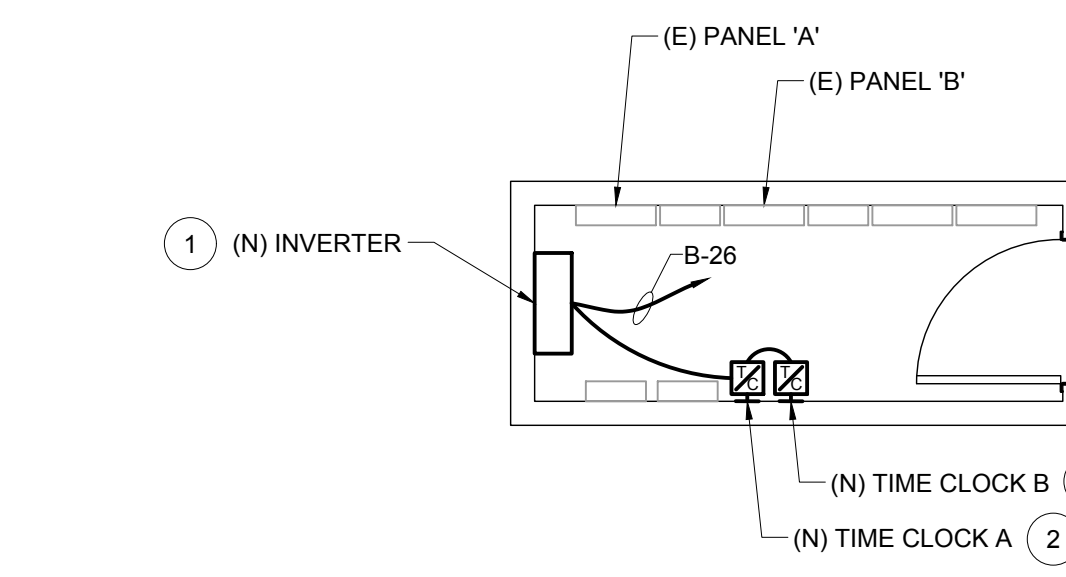
LIGHT POLE DETAIL SCALE N.T.S. 1

LOADS		SEE NOTE	OUTLETS	VOLT-AMPS		BKRV POLE	BKRV POLE	VOLT-AMPS		OUTLETS	SEE NOTE	LOADS
LTG	REC	MISC	A	B	QKT	ABC	QKT	A	B	LTG	REC	MISC
			540		1	20/1	2	540				M116 REC
			540	540	3	20/1	4	540	540			M116 REC
			540		5	20/1	6	540				M116 REC
			540		7	20/1	8	900				HAND DRYER - MENS
			1,438		9	20/1	10	500		1.2		MAIN ENTRANCE BOLLARD
			1,105	11	20/1	12		900				HAND DRYER - WOMENS
			1,252	13	20/1	14	500					PLAYER LGT CONTROL
			600	15	20/1	16	120			1.2		MAIN ENTRANCE SIGN
			895	17	20/1	18	180					ROOF REC
			513	19	20/1	20		160				SMOKE FIRE DAMPER
			540	21	20/1	22	200					FACTORY POWER
			540	23	20/1	24	200					ELECTRICAL POWER
			540	25	20/1	26	540					M126 REC
			540	27	20/1	28	540					M120, M124 REC
		1.2	342	29	20/1	30	540					M104, M108, M120 REC

TOTAL OA = 9,627 VOLT-AMPS  
TOTAL OB = 7,738 VOLT-AMPS  
LCL = 0 VOLT-AMPS  
TOTAL PANEL = 17,365 VA @ 240V, 1D = 72 AMPS

NOTES:  
1. NEW LOAD/WORK  
2. ROUTE THROUGH TIME CLOCK A.

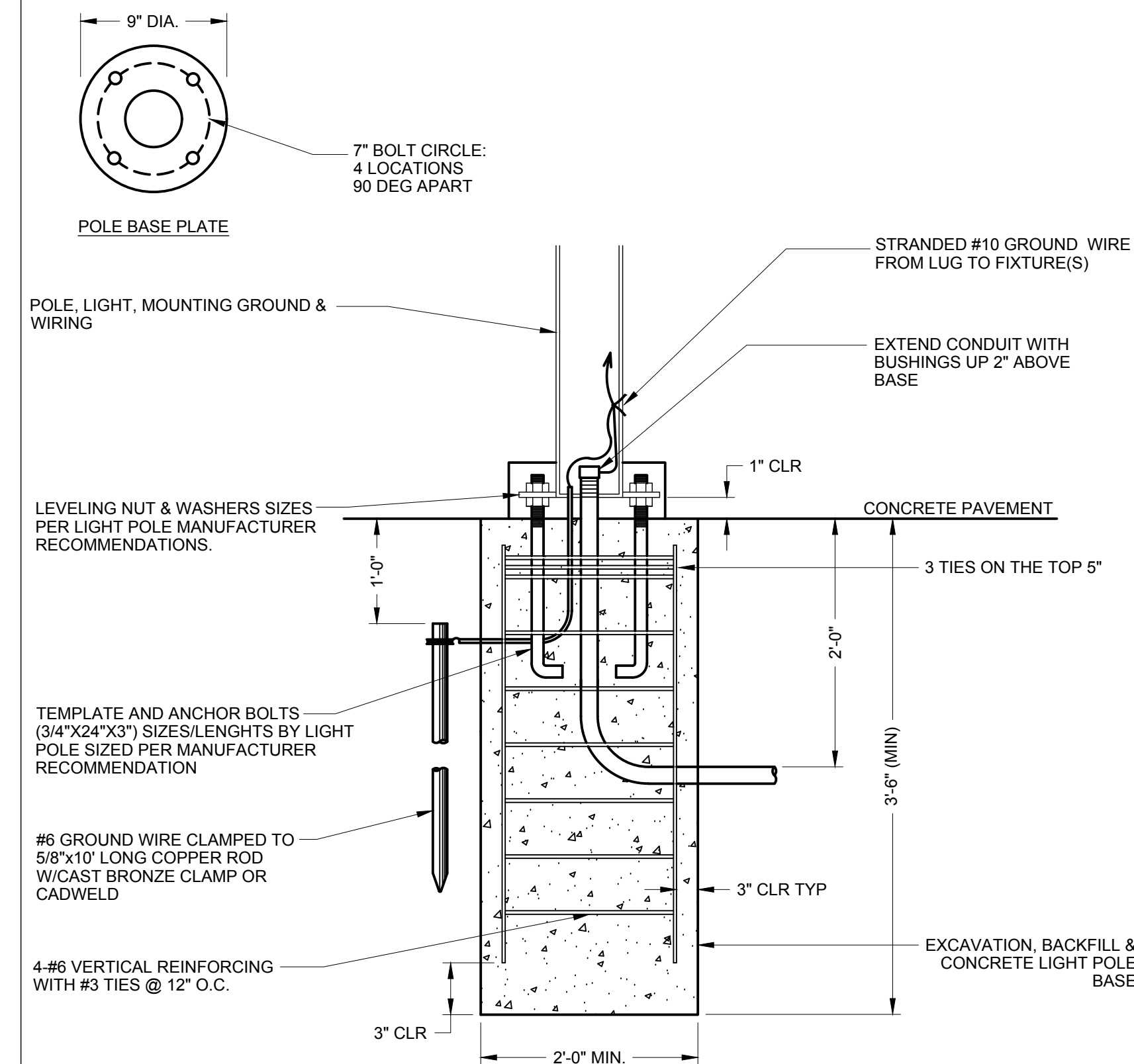
PANEL 'A' SCALE N.T.S. 8



**RECONSTRUCTION NOTES:**

1. PROVIDE (N) 120V, 1P, 750W, 80LBS INVERTER WITH (3) 20A BREAKERS, MYERS LV-4-R-1-B2003.
2. ASTRONOMICAL 365 DAY TIME CLOCK A TO TURN ON ALL ENTRANCE LIGHTS DURING NIGHT TIME HOURS. LABEL TIME CLOCK 'MAIN ENTRANCE LTS'.
3. PROGRAM 7-DAY TIME CLOCK B TO TURN ON POWER FOR RECEPTACLES DURING OPERATION HOUR (6AM TO 10PM). LABEL TIME CLOCK 'CANOPY REC'.

ENLARGED ELECTRICAL ROOM SCALE 1/4" = 1'-0" 5



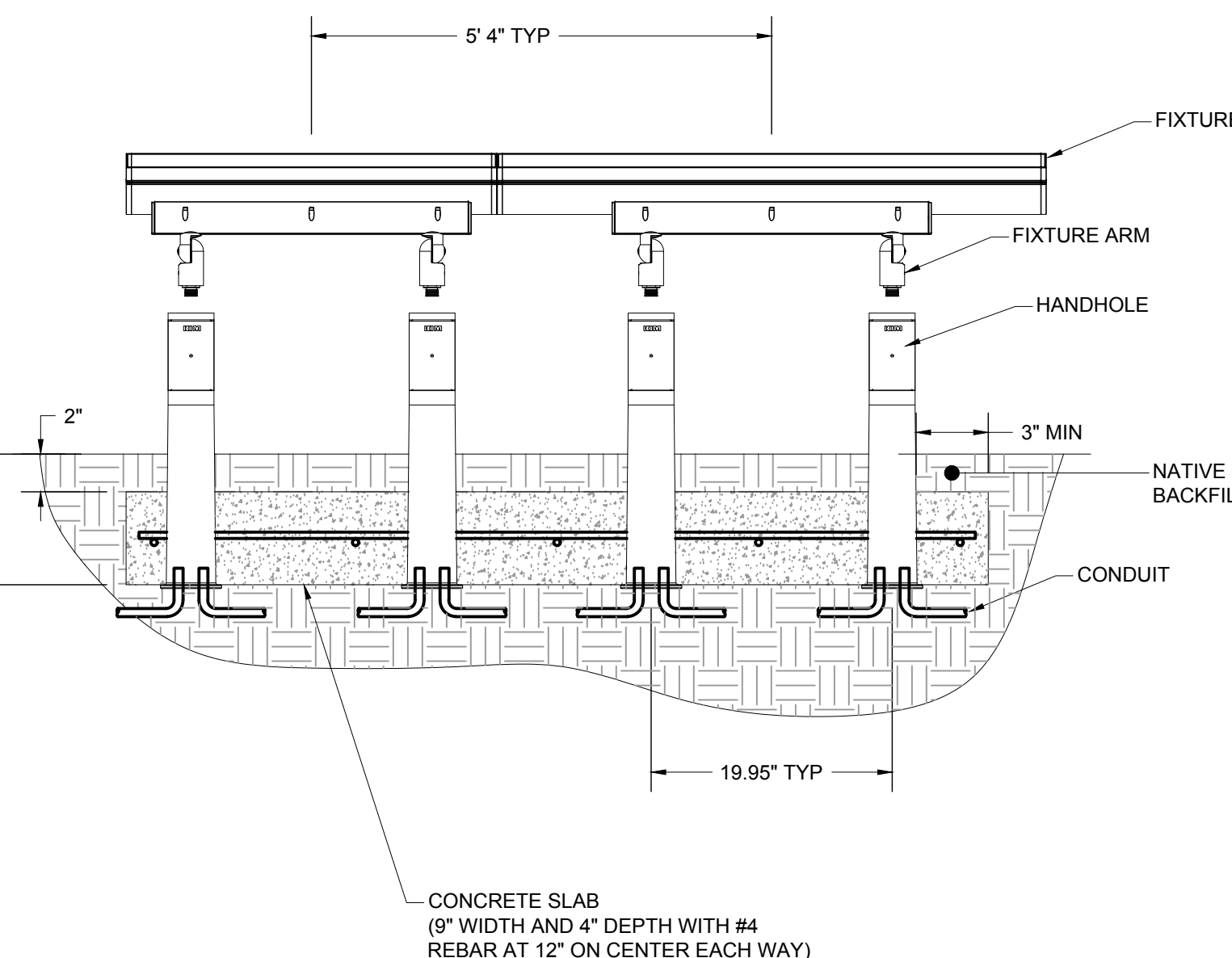
LIGHT POLE BASE DETAIL SCALE N.T.S. 2

LOADS		SEE NOTE	OUTLETS	VOLT-AMPS		BKRV POLE	BKRV POLE	VOLT-AMPS		OUTLETS	SEE NOTE	LOADS		
LTG	REC	MISC	A	B	C	QKT	ABC	QKT	A	B	C	LTG	REC	MISC
			9,627			1	100/2	2				1.2		ENTRANCE REC
			7,738			3		4	900					SKY WEST
			500			5	20/1	6	500	500				STAR PROJECTOR
			540			7	20/1	8	500					COVE LIGHTS
			500			9	20/1	10	500	500				SKY WEST
			540			11	20/1	12	500					NORTH ZENITH BARCO
			540			13	20/1	14	500					COVE LIGHTS
			540			15	20/1	16	500					SKY EAST
			540			17	20/1	18	500					SOUTH BARCO
			500			19	20/1	20	500					COVE LIGHTS
			540			21	20/1	22	500					SKY EAST
			540			23	20/1	24	500					INVERTER & TIME CLOCK
			540			25	20/1	26	570					COVE LIGHTS
			540			27	20/1	28	500					EXISTING
			540			29	20/1	30	540					STAR PROJECTOR
			540			31	20/1	32	500					COVE LIGHTS
			540			33	20/1	34	500					THEATER CONSOLE
			540			35	20/1	36	500					CATWALK LIGHTS
			540			37	20/1	38	500					COVE LIGHTS
			540			39	20/1	40	500					EXISTING
			540			41	20/1	42	500					EXISTING
									9,924			3		(E) HVAC EQUIP

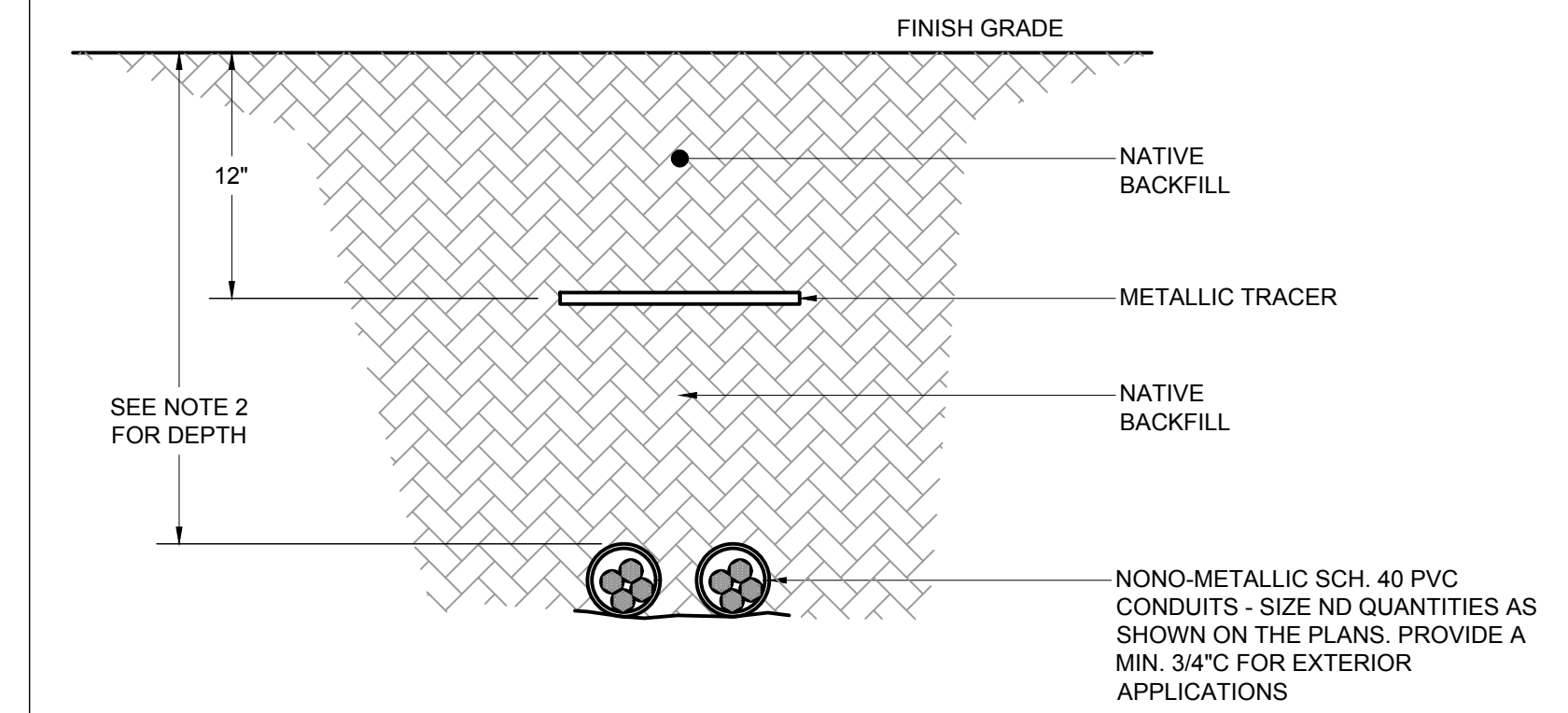
TOTAL OA = 25,781 VOLT-AMPS  
TOTAL OB = 24,802 VOLT-AMPS  
TOTAL OCB = 17,164 VOLT-AMPS  
LCL = 0 VOLT-AMPS  
TOTAL PANEL = 67,747 VA @ 208V, 3Ø = 188 AMPS

NOTES:  
1. NEW LOAD/WORK  
2. ROUTE THROUGH TIME CLOCK B.  
3. TAPPED INTO MAIN LUGS.

PANEL 'B' SCALE N.T.S. 9



SIGNAL LIGHTING MOUNTING DETAIL SCALE N.T.S. 6



CONDUIT BURIAL DETAIL SCALE N.T.S. 3

**RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT**  
**SANTA ANA COLLEGE CAMPUS ENTRY IMPROVEMENTS PROJECT**  
1530 W 17th St, Santa Ana, CA 92706



**REVISIONS:**

NO.	DESCRIPTION	DATE
1	ADDENDUM 2	06/03/2024

**DATE ISSUED:** 2024-06-03  
**PROJECT NO:** 2020-40160  
**DSA APPLICATION NO:** 04-122485  
**SCALE:**  
**SHEET NUMBER:** E-5.1  
**SHEET TITLE:**

**ELECTRICAL DETAILS AND SCHEDULES**

**GOSS ENGINEERING**  
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Corona, CA 92879  
P 951.340.1977 | F 951.340.1090  
FILE NO.: 120-10-02

13. Concrete pumping locations.
14. Crane locations.
15. Location of portable sanitary facilities.
16. Mixer truck wash out locations.
17. Traffic control signage.
18. Perimeter and site lighting.
19. Stockpile and/or lay down areas.
20. Emergency Vehicle Access Routes.

- B. A revised Project site logistic plan may be required by the District Representative for separately identified phases of the Work as set forth in this Section.
- C. Contractor is responsible for securing and obtaining all approvals and permits from authorities having jurisdiction relative to logistic plan activities.

3.03 PHASING OF THE WORK

- A. Project will be constructed in separate Milestone increments, as identified or as described in this Section and/or the Contract Documents. Phasing will also delineate Work to be completed in each designated phase. Unless otherwise approved or directed by the District Representative, each phase shall be completed according to the approved Construction Schedule prior to the commencement of the next subsequent phase. Contractor shall incorporate and coordinate the Work of Separate Work Contracts relative to this Project into the Phasing and Construction Schedule.
- B. Contractor shall install all necessary Work for phased Work before completion of the designated phase.

3.04 PHASING OF THE WORK – GENERAL

- A. Contractor shall prepare the Milestone Schedule in order to complete the Work and related activities in accordance with the phasing plan. Contractor shall include all costs to complete all Work within the Milestones and Contract Time.
- B. Owner will be seriously damaged by not having all Work completed within the Milestones and/or Contract Time. It is mandatory the Work be complete within the Milestones and Contract Time.

3.05 PHASING OF THE WORK – SPECIFIC

- A. Contractor shall prepare Construction Schedule, and shall complete the following Milestones, but not limited to, within the designated phases in accordance with the following:
  1. Phase 1 Submittals/Mobilization – ~~(35/40 days)~~ (370 days) calendar days from NTP. **ADD-3**
  2. Phase 2 Substantial Completion – ~~(365 days)~~ calendar days from NTP
  3. Phase 3 Punch List Correction – (40 days) calendar days from ~~NTP~~ Substantial Completion
  4. Phase 4 Final Completion Date – ~~(390 days)~~ (410 days) calendar days from NTP.

410 days

END OF SECTION 01 12 16

Phase 1 - The walk Area (West Side of Building "M") shall be treated as a separate phase to allow occupancy to Bldg M

Phase 2 - Walk Area Adjacent to Building "H" and "T". Work to be phased to times when Campus is closed (Winter Break 2024 or Summer 2025) to be coordinated with the District

Phase 3 - General Area

3. Contractor shall remove the storage unit from the Project site when the storage unit is no longer required for the Work or upon Substantial Completion of the Work.
4. Contractor shall at their expense and without limitation remove and/ or relocate storage units as rapidly as required in order to provide for progress of the Work.

J. Temporary Sanitary Facilities:

1. Contractor shall provide portable chemical toilet facilities, hand wash facilities, and trash receptacles. Quantity of units shall be based on total number of workers and shall be in accordance with Cal/OSHA standards and in compliance with SWPPP.
2. Portable chemical toilet facilities, hand wash facilities, and trash receptacles shall be maintained with adequate supplies and in a clean and sanitary condition and shall be removed from the Project site upon Substantial Completion of the Work. Contractor shall maintain District Representative trailer restroom clean and operational at all times.
3. Contractor employees shall not use school toilet facilities.
4. At Contractor's expense and without limitation remove and/or relocate portable chemical toilet facilities as rapidly as required in order to provide for progress of the Work.
5. Contractor will contain their breaks and lunch periods to the areas designated by District Representative or any public area outside the Project site. Contractor shall provide a suitable container within the break/lunch area for the placement of trash. Areas used for break/lunch must be maintained clean and orderly. Once finish flooring has been installed in a particular area, no food or beverages will be permitted in that area.

K. Temporary Security Fence/Barricade:

1. Contractor shall install temporary Project site security barricade(s) as indicated on Drawings or as required for safety and as specified herein. New or used material may be furnished. Security of Project site and contents is a continuous obligation of Contractor.
2. Unless otherwise indicated or specified, security fence shall be constructed of 8-foot high chain link fencing with 8-foot high green screen. Post spacing shall not exceed ten feet on center. Posts shall be of following nominal pipe dimensions: terminal, corner, and gatepost 2 1/2-inches, line posts 2-inch. Chain link fence shall be not less than #13 gauge, 2-inch mesh, and in one width. Posts, fence and accessories shall be as follows:
  - a. Shall be on T-stands with sand bags, unless required otherwise in writing by District Representative.
  - a. Green screen shall be attached to fence mesh on the construction side of the fence and steel tension wires at 18-inch centers with a minimum of #14 gauge tie wire. Green screen shall be maintained and all rips, tears, missing sections shall be corrected upon notification by District Representative.
  - b. Gates shall be fabricated of steel pipe with welded corners, and bracing as required. Fence and fabric to be attached to frame at 12-inch on center. Provide all gate hardware of a strength and quality to perform satisfactorily until barricade is removed upon Substantial Completion of the Work. Each gate shall have a chain and combo padlock. At Substantial Completion of the Work, remove barricade from Project site, backfill and compact fence footing holes. Existing surface paving that is cut into or removed shall be patched and sealed to match surrounding areas.
  - c. At Contractor's expense and without limitation remove or relocate fencing, fabric and barricades or other security and protection facilities as rapidly as required in order to provide for progress of the Work.

L. Other Temporary Enclosures and Barricades:



(1). SOUTH STREET ELEVATION AT COLLEGE AVE. ENTRANCE



(2). STREET ELEVATION AT SW CORNER OF BRISTOL ST. AND 17TH ST.



(3). SW ELEVATION OF BRISTOL ST. ENTRANCE INTO PARKING LOT 6 AND 7

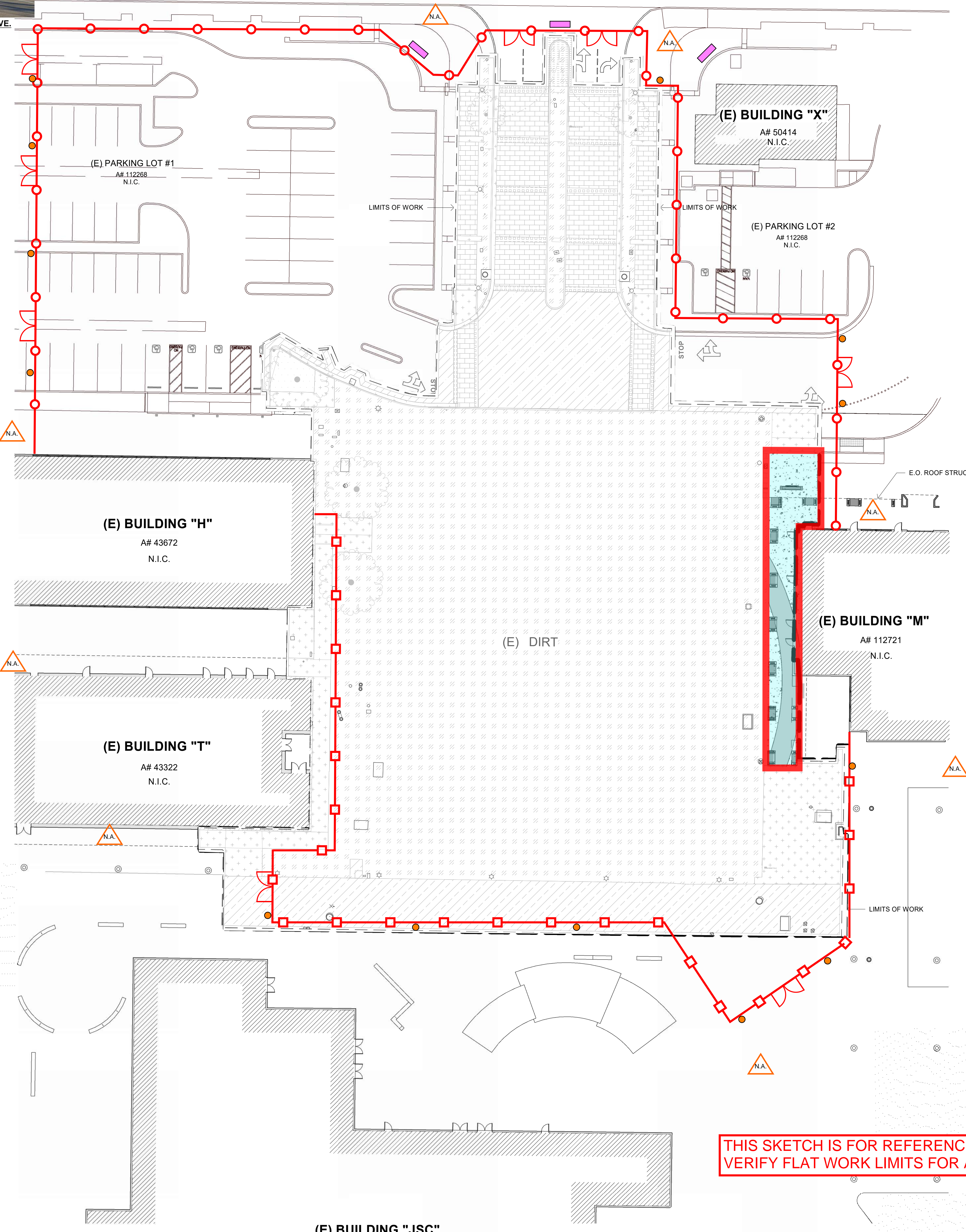
MAINTAIN EXISTING 4-FT. X 3-FT. SIGN STATING "ALTERNATE ENTRANCE DURING CONSTRUCTION"

MAINTAIN EXISTING 8-FT. X 4-FT. SIGN BELOW (E) MARQUEE STATION. "SANTA ANA COLLEGE 17TH STREET ENTRANCE CLOSED USE BRISTOL ST. OR COLLEGE AVE."

MAINTAIN EXISTING 4-FT. X 3-FT. SIGN STATING "ALTERNATE ENTRANCE DURING CONSTRUCTION"

W 17TH ST

**PARKING LOT 1 CLOSED**



THIS SKETCH IS FOR REFERENCE ONLY - CONTRACTOR TO VERIFY FLAT WORK LIMITS FOR ACCESS INTO BUILDING 'M'.

# PHASE 1

- OUTLINE OF LIMITS OF WORK SCOPE OF PHASE 1
- APPROXIMATE TEMPORARY (REMOVAL) FENCING WITH PRIVACY SCREEN. CONTRACTOR TO DETERMINE FINAL LOCATION.
- LOCATION OF TWO (2) 10-FOOT WIDE PANELIZED TEMPORARY (REMOVAL) VEHICLE ACCESS DOOR FENCING WITH PRIVACY SCREEN.
- INSTALL CONSTRUCTION SIGN(S) FOR PEDESTRIANS - "CONSTRUCTION WORK AHEAD" AND/OR "DEAD END AHEAD".
- 5-FT. X 3-FT. EXTERIOR GRADE METAL SIGN STATING, "ENTRANCE CLOSED, CONSTRUCTION ACCESS ONLY. USE ALTERNATE ENTRANCES AT BRISTOL ST. OR COLLEGE AVE."
- 24-INCHES. X 18-INCHES. EXTERIOR GRADE METAL SIGN STATING, "DANGER, CONSTRUCTION AREA, AUTHORIZED PERSONNEL ONLY"
- PROVIDE EXTERIOR GRADE METAL SIGN STATING, "ALTERNATE ENTRANCE DURING CONSTRUCTION". SEE ATTACHED PHOTO ELEVATIONS TO DETERMINE LOCATION, SIZE AND QUANTITY OF SIGN.
- PROVIDE EXTERIOR GRADE METAL SIGN STATING, "SANTA ANA COLLEGE 17TH STREET ENTRANCE CLOSED USE BRISTOL ST. OR COLLEGE AVE." SEE ATTACHED PHOTO ELEVATION TO DETERMINE LOCATION, SIZE AND QUANTITY OF SIGN.

## CONSTRUCTION LOGISTICS LEGEND

### LOGISTICS NOTES:

1. PROVIDE CONSTRUCTION LOGISTICS AND SITE EROSION CONTROL PLAN FOR REVIEW AND APPROVAL.
2. CONSTRUCTION FENCING WILL BE LEFT IN-PLACE BY THE PREVIOUS PROJECT. THE CONSTRUCTION FENCE SHALL BE MAINTAINED BY THE CONTRACTOR AS PART OF THE CONSTRUCTION CONTRACT. THE FENCE WILL HAVE TO BE MOVED/MODIFIED TO SUPPORT PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL REMOVE THE FENCING UPON COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL INCLUDE AN ADDITIONAL +200 L.F. OF 8-FT. HIGH SCREENED FENCING TO MATCH EXISTING. THE CONTRACTOR SHALL ALSO FURNISH, INSTALL AND MAINTAIN 200 L.F. OF SOUND BLANKET TO MATCH EXISTING (BASIS OF DESIGN: #NOISE CONTROL CSSB-2 SOUND BLANKET 2-INCH QUILTED EXTERIOR RATED FACING STC-21, U.V. RESISTANT OR APPROVED EQUAL.
3. EXISTING SIGNAGE SHALL BE MAINTAINED DURING CONSTRUCTION. CONTRACTOR SHALL FURNISH AND INSTALL UP FIVE (5) ADDITIONAL SIGNS FOR PATH OF TRAVEL AND PEDESTRIAN SAFETY PER THE DISTRICT'S DIRECTION DURING THE DURATION OF PHASES 1, 2, AND 3 OF CONSTRUCTION.
4. PROVIDE LOGISTICS PLAN SHOWING THE CONSTRUCTION AND TRAFFIC SIGNS FOR REVIEW AND APPROVAL. CONSTRUCTION AND TRAFFIC SIGNS CONTENTS TO BE DETERMINED BY DISTRICT'S REPRESENTATIVE.

## CONSTRUCTION LOGISTICS NOTES

### CRITERIA FOCAL POINTS:

1. PROVIDE CONTINUOUS VEHICULAR FLOW.
2. PEDESTRIAN ACCESS TO AND FROM BUILDINGS WITH ACCESSIBILITY SIGNAGE FOR ACCESS ROUTE FROM PARKING LOT.
3. CONSTRUCTION LOGISTICS WILL NEED TO BE PHASE BASED.
4. WILL NEED TO PROVIDE 20-FT. FIRE LANE ACCESS / EMERGENCY AS REQUIRED DURING CONSTRUCTION.
5. PROVIDE STAGING LOGISTICS AREA BASED ON PHASING AREA.
6. WILL NEED TO GET APPROVAL FROM AFFECTED ADJACENT BUILDING GROUPS, INCLUDING CAMPUS SAFETY AND SECURITY AND M&O.
7. CONSTRUCTION SCHEDULE SHOULD BE BASED AND COORDINATED WITH CAMPUS SCHOOL SCHEDULE, HOLIDAYS AND BREAKS.

## CONSTRUCTION LOGISTICS CRITERIA

SCOPE:  
CONSTRUCT NEW FLAT WORK TO PROVIDE ADA P.O.T. (PATH OF TRAVEL) INTO BUILDING "M". COORDINATED WITH THE DISTRICT REPRESENTATIVE PRIOR TO COMMENCING WORK.

**RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT**  
**SANTA ANA COLLEGE**  
**CAMPUS ENTRY IMPROVEMENTS PROJECT**  
**IMPROVEMENTS PROJECT**  
 1530 W 17th St, Santa Ana, CA 92706

REVISIONS:

DESCRIPTION	DATE

DATE ISSUED: 2021-07-19  
 PROJECT NO: 2020-40160  
 DSA APPLICATION NO: 04-122485  
 SCALE: As indicated  
 SHEET NUMBER: **GEN-5**  
 SHEET TITLE:

## CONSTRUCTION LOGISTICS PLN - PHASE 1

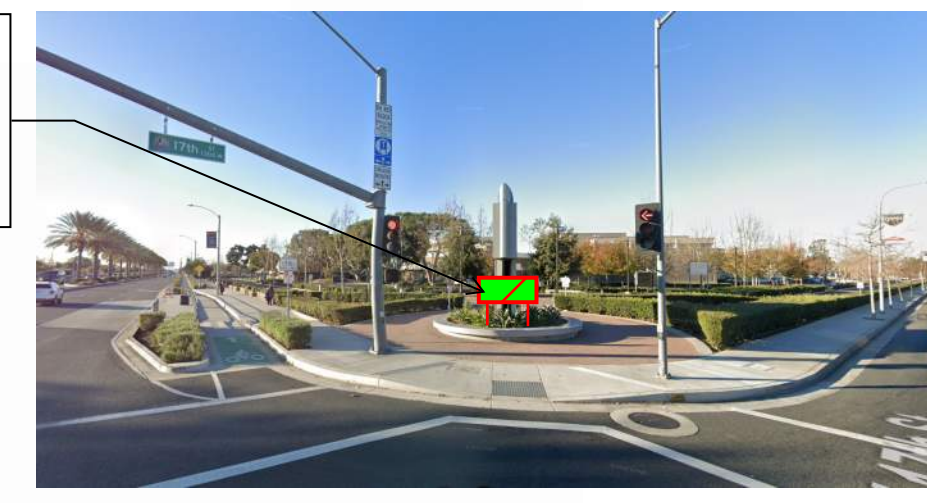


6 HUTTON CENTRE DR, SUITE 1150 SANTA ANA, CA 92707  
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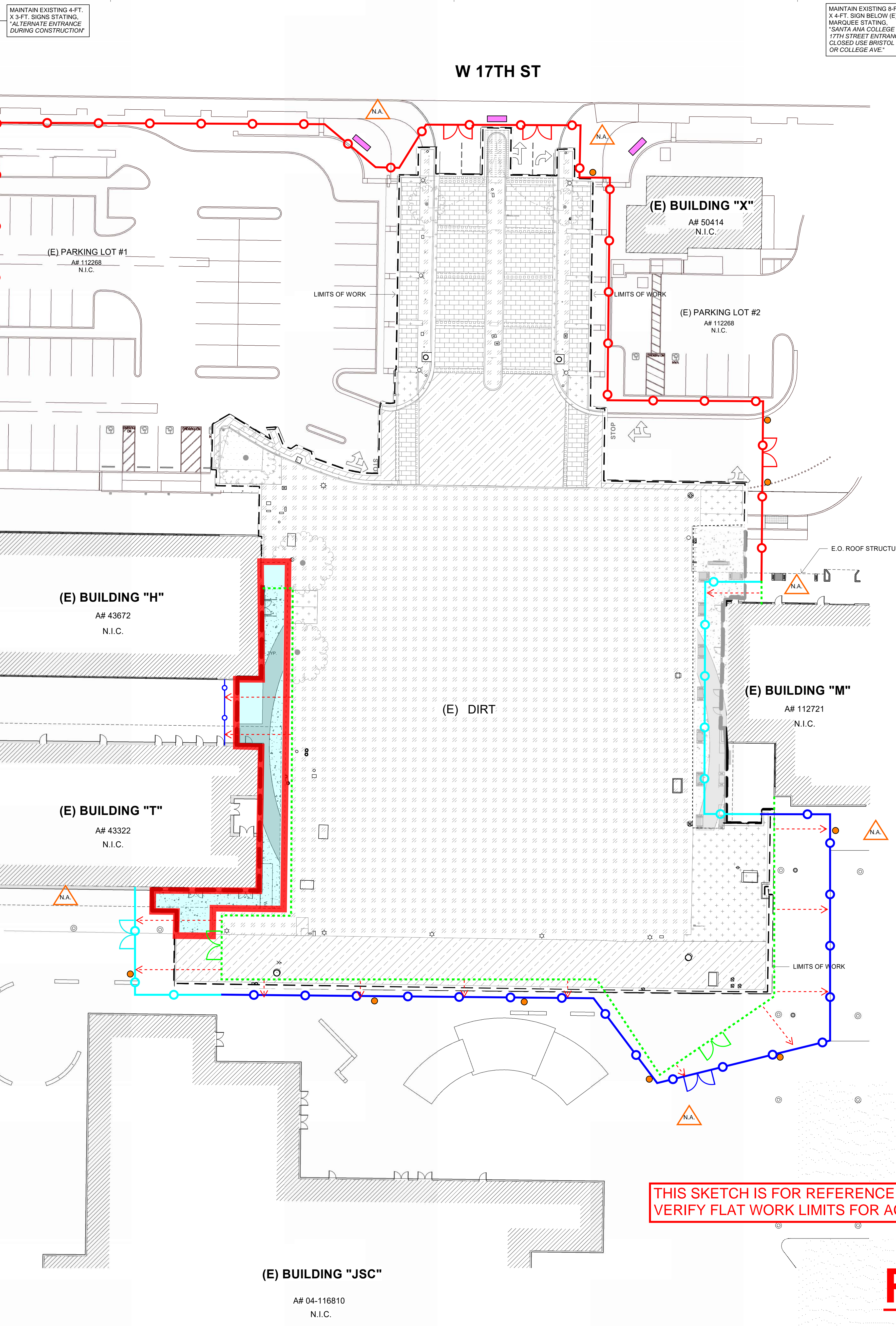
(1). SOUTH STREET ELEVATION AT COLLEGE AVE. ENTRANCE



(2). STREET ELEVATION AT SW CORNER OF BRISTOL ST. AND 17TH ST.



(3). SW ELEVATION OF BRISTOL ST. ENTRANCE INTO PARKING LOT 6 AND 7



- ### CONSTRUCTION LOGISTICS LEGEND
- OUTLINE OF LIMITS OF WORK SCOPE OF PHASE 2
  - APPROXIMATE TEMPORARY (REMOVAL) FENCING WITH PRIVACY SCREEN. CONTRACTOR TO DETERMINE FINAL LOCATION.
  - LOCATION OF TWO (2) 10-FOOT WIDE PANELIZED TEMPORARY (REMOVAL) VEHICLE ACCESS DOOR FENCING WITH PRIVACY SCREEN.
  - INSTALL CONSTRUCTION SIGN(S) FOR PEDESTRIANS - "CONSTRUCTION WORK AHEAD" AND/OR "DEAD END AHEAD".
  - 5-FT. X 3-FT. EXTERIOR GRADE METAL SIGN STATING, "ENTRANCE CLOSED, CONSTRUCTION ACCESS ONLY. USE ALTERNATE ENTRANCES AT BRISTOL ST. OR COLLEGE AVE."
  - 24-INCHES. X 18-INCHES. EXTERIOR GRADE METAL SIGN STATING, "DANGER, CONSTRUCTION AREA, AUTHORIZED PERSONNEL ONLY"
  - PROVIDE EXTERIOR GRADE METAL SIGN STATING, "ALTERNATE ENTRANCE DURING CONSTRUCTION". SEE ATTACHED PHOTO ELEVATIONS TO DETERMINE LOCATION, SIZE AND QUANTITY OF SIGN.
  - PROVIDE EXTERIOR GRADE METAL SIGN STATING, "SANTA ANA COLLEGE 17TH STREET ENTRANCE CLOSED USE BRISTOL ST. OR COLLEGE AVE." SEE ATTACHED PHOTO ELEVATION TO DETERMINE LOCATION, SIZE AND QUANTITY OF SIGN.
  - RELOCATE EXISTING TEMPORARY (REMOVAL) FENCING (LT. GREEN) WITH PRIVACY SCREEN INCLUDING VEHICLE ACCESS DOORS TO BLUE LINE, AS INDICATED ON SITE PLAN.
  - DIRECTION OF EXISTING TEMPORARY (REMOVAL) FENCING TO BE RELOCATED, AS INDICATED ON SITE PLAN.
  - NEW LOCATION OF RELOCATED EXISTING TEMPORARY (REMOVAL) FENCING WITH PRIVACY SCREEN INCLUDING VEHICLE ACCESS DOORS. CONTRACTOR TO DETERMINE FINAL LOCATION.
  - APPROXIMATE LOCATION OF NEW TEMPORARY (REMOVAL) FENCING WITH PRIVACY SCREEN. CONTRACTOR TO DETERMINE FINAL LOCATION.

- ### CONSTRUCTION LOGISTICS NOTES
- LOGISTICS NOTES:**
- PROVIDE CONSTRUCTION LOGISTICS AND SITE EROSION CONTROL PLAN FOR REVIEW AND APPROVAL.
  - CONSTRUCTION FENCING WILL BE LEFT IN-PLACE BY THE PREVIOUS PROJECT. THE CONSTRUCTION FENCE SHALL BE MAINTAINED BY THE CONTRACTOR AS PART OF THE CONSTRUCTION CONTRACT. THE FENCE WILL HAVE TO BE MOVED/MODIFIED TO SUPPORT PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL REMOVE THE FENCING UPON COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL INCLUDE AN ADDITIONAL \*200 L.F. OF 8-FT. HIGH SCREENED FENCING TO MATCH EXISTING. THE CONTRACTOR SHALL ALSO FURNISH, INSTALL AND MAINTAIN 200 L.F. OF SOUND BLANKET TO MATCH EXISTING (BASIS OF DESIGN: NOISE CONTROL CSSB-2 SOUND BLANKET 2-INCH QUILTED EXTERIOR RATED FACING STC-21, U.V. RESISTANT OR APPROVED EQUAL.
  - EXISTING SIGNAGE SHALL BE MAINTAINED DURING CONSTRUCTION. CONTRACTOR SHALL FURNISH AND INSTALL UP FIVE (5) ADDITIONAL SIGNS FOR PATH OF TRAVEL AND PEDESTRIAN SAFETY PER THE DISTRICT'S DIRECTION DURING THE DURATION OF PHASES 1, 2, AND 3 OF CONSTRUCTION.
  - PROVIDE LOGISTICS PLAN SHOWING THE CONSTRUCTION AND TRAFFIC SIGNS FOR REVIEW AND APPROVAL. CONSTRUCTION AND TRAFFIC SIGNS CONTENTS TO BE DETERMINED BY DISTRICT'S REPRESENTATIVE.

- ### CONSTRUCTION LOGISTICS CRITERIA
- CRITERIA FOCAL POINTS:**
- PROVIDE CONTINUOUS VEHICULAR FLOW.
  - PEDESTRIAN ACCESS TO AND FROM BUILDINGS WITH ACCESSIBILITY SIGNAGE FOR ACCESS ROUTE FROM PARKING LOT.
  - CONSTRUCTION LOGISTICS WILL NEED TO BE PHASE BASED.
  - WILL NEED TO PROVIDE 20-FT. FIRE LANE ACCESS / EMERGENCY AS REQUIRED DURING CONSTRUCTION.
  - PROVIDE STAGING LOGISTICS AREA BASED ON PHASING AREA.
  - WILL NEED TO GET APPROVAL FROM AFFECTED ADJACENT BUILDING GROUPS, INCLUDING CAMPUS SAFETY AND SECURITY AND M&O.
  - CONSTRUCTION SCHEDULE SHOULD BE BASED AND COORDINATED WITH CAMPUS SCHOOL SCHEDULE, HOLIDAYS AND BREAKS.

**SCOPE:**  
CONSTRUCT NEW FLAT WORK TO PROVIDE ADA P.O.T. (PATH OF TRAVEL) INTO BUILDING "H" AND ELEVATOR ACCESS INTO BUILDING "T". THIS PHASE OF CONSTRUCTION SHALL BE COORDINATED WITH THE DISTRICT REPRESENTATIVE PRIOR TO COMMENCING WORK.

**RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT**  
**SANTA ANA COLLEGE**  
**CAMPUS ENTRY IMPROVEMENTS PROJECT**  
**IMPROVEMENTS PROJECT**  
 1530 W 17th St, Santa Ana, CA 92706

**REVISIONS:**

NO.	DESCRIPTION	DATE

**DATE ISSUED:** 2021-07-19  
**PROJECT NO:** 2020-40160  
**DSA APPLICATION NO:** 04-122485  
**SCALE:** As indicated  
**SHEET NUMBER:** **GEN-6**  
**SHEET TITLE:**

**CONSTRUCTION LOGISTICS PLAN - PHASE 2**



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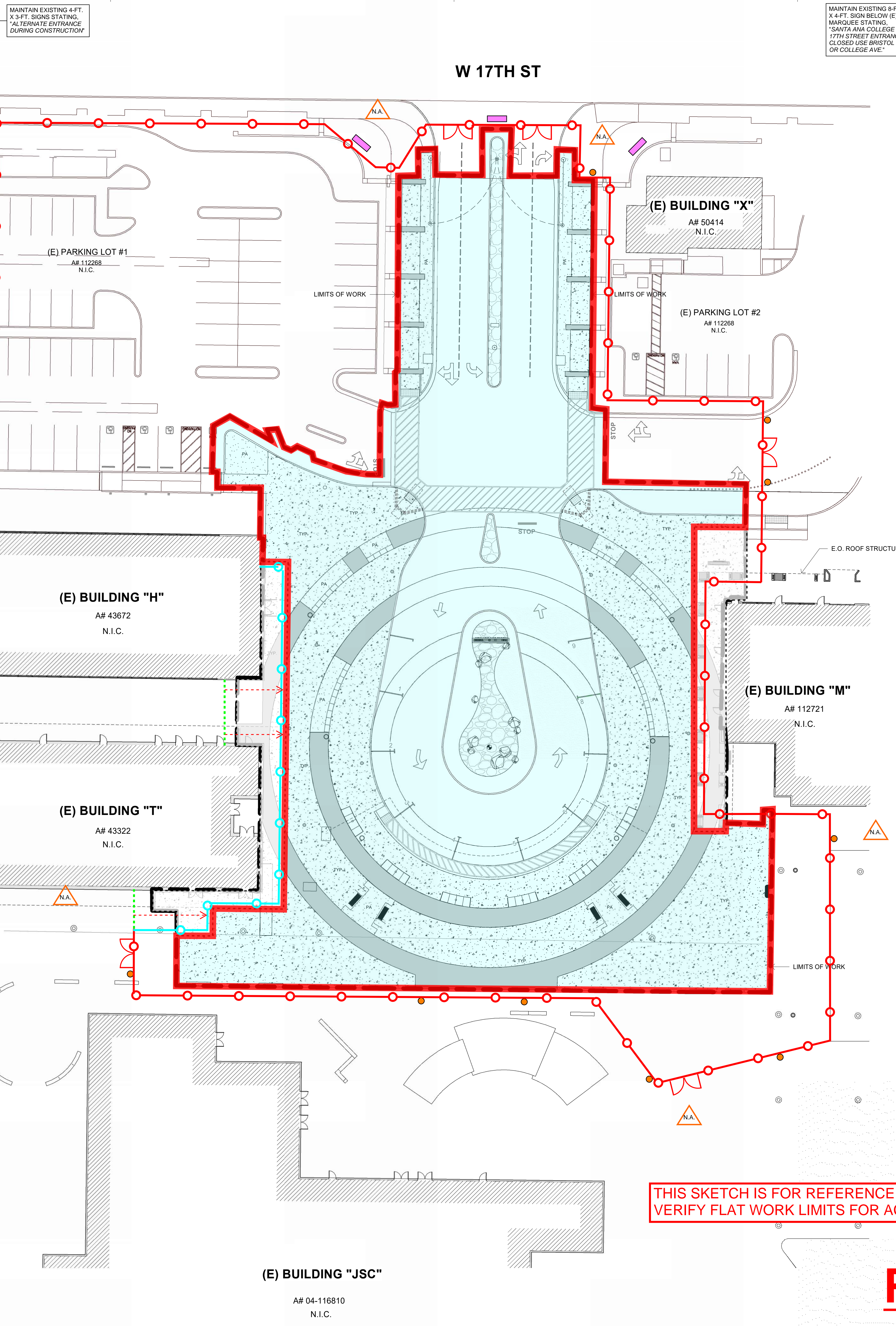
(1). SOUTH STREET ELEVATION AT COLLEGE AVE. ENTRANCE



(2). STREET ELEVATION AT SW CORNER OF BRISTOL ST. AND 17TH ST.



(3). SW ELEVATION OF BRISTOL ST. ENTRANCE INTO PARKING LOT 6 AND 7



**PARKING LOT 1 CLOSED**

**THIS SKETCH IS FOR REFERENCE ONLY - CONTRACTOR TO VERIFY FLAT WORK LIMITS FOR ACCESS INTO BUILDING 'M'.**

# PHASE 3

- OUTLINE OF LIMITS OF WORK SCOPE OF PHASE 3
- APPROXIMATE TEMPORARY (REMOVAL) FENCING WITH PRIVACY SCREEN. CONTRACTOR TO DETERMINE FINAL LOCATION.
- LOCATION OF TWO (2) 10-FOOT WIDE PANELIZED TEMPORARY (REMOVAL) VEHICLE ACCESS DOOR FENCING WITH PRIVACY SCREEN.
- INSTALL CONSTRUCTION SIGN(S) FOR PEDESTRIANS - "CONSTRUCTION WORK AHEAD" AND/OR "DEAD END AHEAD."
- 5-FT. X 3-FT. EXTERIOR GRADE METAL SIGN STATING, "ENTRANCE CLOSED, CONSTRUCTION ACCESS ONLY. USE ALTERNATE ENTRANCES AT BRISTOL ST. OR COLLEGE AVE."
- 24-INCHES. X 18-INCHES. EXTERIOR GRADE METAL SIGN STATING, "DANGER, CONSTRUCTION AREA, AUTHORIZED PERSONNEL ONLY"
- PROVIDE EXTERIOR GRADE METAL SIGN STATING, "ALTERNATE ENTRANCE DURING CONSTRUCTION". SEE ATTACHED PHOTO ELEVATIONS TO DETERMINE LOCATION, SIZE AND QUANTITY OF SIGN.
- PROVIDE EXTERIOR GRADE METAL SIGN STATING, "SANTA ANA COLLEGE 17TH STREET ENTRANCE CLOSED USE BRISTOL ST. OR COLLEGE AVE." SEE ATTACHED PHOTO ELEVATION TO DETERMINE LOCATION, SIZE AND QUANTITY OF SIGN.
- RELOCATE EXISTING TEMPORARY (REMOVAL) FENCING (LT. GREEN) WITH PRIVACY SCREEN INCLUDING VEHICLE ACCESS DOORS TO BLUE LINE, AS INDICATED ON SITE PLAN.
- DIRECTION OF EXISTING TEMPORARY (REMOVAL) FENCING TO BE RELOCATED, AS INDICATED ON SITE PLAN.
- APPROXIMATE LOCATION OF NEW TEMPORARY (REMOVAL) FENCING WITH PRIVACY SCREEN. CONTRACTOR TO DETERMINE FINAL LOCATION.

### CONSTRUCTION LOGISTICS LEGEND

#### LOGISTICS NOTES:

1. PROVIDE CONSTRUCTION LOGISTICS AND SITE EROSION CONTROL PLAN FOR REVIEW AND APPROVAL.
2. CONSTRUCTION FENCING WILL BE LEFT IN-PLACE BY THE PREVIOUS PROJECT. THE CONSTRUCTION FENCE SHALL BE MAINTAINED BY THE CONTRACTOR AS PART OF THE CONSTRUCTION CONTRACT. THE FENCE WILL HAVE TO BE MOVED/MODIFIED TO SUPPORT PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL REMOVE THE FENCING UPON COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL INCLUDE AN ADDITIONAL 400 L.F. OF 8-FT. HIGH SCREENED FENCING TO MATCH EXISTING. THE CONTRACTOR SHALL ALSO FURNISH, INSTALL AND MAINTAIN 200-L.F. OF SOUND BLANKET TO MATCH EXISTING (BASIS OF DESIGN: eNOISE CONTROL CSSB-2 SOUND BLANKET 2-INCH QUILTED EXTERIOR RATED FACING STC-21, U.V. RESISTANT OR APPROVED EQUAL.
3. EXISTING SIGNAGE SHALL BE MAINTAINED DURING CONSTRUCTION. CONTRACTOR SHALL FURNISH AND INSTALL UP FIVE (5) ADDITIONAL SIGNS FOR PATH OF TRAVEL AND PEDESTRIAN SAFETY PER THE DISTRICT'S DIRECTION DURING THE DURATION OF PHASES 1, 2, AND 3 OF CONSTRUCTION.
4. PROVIDE LOGISTICS PLAN SHOWING THE CONSTRUCTION AND TRAFFIC SIGNS FOR REVIEW AND APPROVAL. CONSTRUCTION AND TRAFFIC SIGNS CONTENTS TO BE DETERMINED BY DISTRICT'S REPRESENTATIVE.

### CONSTRUCTION LOGISTICS NOTES

#### CRITERIA FOCAL POINTS:

1. PROVIDE CONTINUOUS VEHICULAR FLOW.
2. PEDESTRIAN ACCESS TO AND FROM BUILDINGS WITH ACCESSIBILITY SIGNAGE FOR ACCESS ROUTE FROM PARKING LOT.
3. CONSTRUCTION LOGISTICS WILL NEED TO BE PHASE BASED.
4. WILL NEED TO PROVIDE 20-FT. FIRE LANE ACCESS / EMERGENCY AS REQUIRED DURING CONSTRUCTION.
5. PROVIDE STAGING LOGISTICS AREA BASED ON PHASING AREA.
6. WILL NEED TO GET APPROVAL FROM AFFECTED ADJACENT BUILDING GROUPS, INCLUDING CAMPUS SAFETY AND SECURITY AND M&O.
7. CONSTRUCTION SCHEDULE SHOULD BE BASED AND COORDINATED WITH CAMPUS SCHOOL SCHEDULE, HOLIDAYS AND BREAKS.

### CONSTRUCTION LOGISTICS CRITERIA

#### SCOPE:

DEMOLITION, GRADING AND CONSTRUCTION OF CAMPUS ENTRANCE IMPROVEMENTS. COORDINATED WITH THE DISTRICT REPRESENTATIVE PRIOR TO COMMENCING WORK.

RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT

SANTA ANA COLLEGE  
CAMPUS ENTRY IMPROVEMENTS PROJECT  
IMPROVEMENTS PROJECT

1530 W 17th St, Santa Ana, CA 92706

#### REVISIONS:

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## CONSTRUCTION LOGISTICS PLAN - PHASE 3



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SUPPLEMENTARY CONDITIONS

1. Article 8 – Liquidated Damages: Liquidated Damages shall be in the following sum(s) and in accordance with Article 8:

- 1) One Thousand Five Hundred Dollars (\$1,500.00) per day as liquidated damages for each and every day's delay beyond the Substantial Completion Date for each phase; plus
2) Three Hundred Dollars (\$300.00) per day as liquidated damages for each and every day's delay after the Final Completion Date for each phase.

2. Article 9 – Schedule: Construction Schedule for the Project is as follows:

1) It is hereby understood that the Contractor will meet the following schedule milestones:

- a) The Contractor shall provide District with:
i) Submittal Schedule, for the District’s consideration and approval, within ten (10) calendar days from NTP.
ii) Schedule of Values, for the District’s consideration and approval, within fifteen (15) calendar days from NTP.
iii) Proposed Baseline Construction Schedule, for the District’s consideration and approval, within thirty (30) calendar days from NTP.
iv) Fully burdened labor rates for each trade within fifteen (15) calendar days from NTP for District review and approval.

b) Required Project Milestones:

i) Installation of contract scope within three hundred and seventy (370) calendar days from NTP. Refer to Specification Sections 011216 and 015000 for further information.

c) The Substantial Completion Date for the Project shall be three hundred and sixty five (365) calendar days from NTP.

d) The Final Completion Date (or “Completion Date”) for the Project shall be four hundred and five (405) calendar days from NTP.

2) It is hereby understood that Governmental Delay for the project is twelve (12) calendar days and shall only be granted as further described in Article 9.

3) It is hereby understood that the Contract Time is 390 calendar days.

ADD-3

Governmental Delay shall be included within the overall Contract Time

three hundred and seventy (370) calendar days from NTP

three hundred and sixty five (365) calendar days from NTP

four hundred and ten (410) calendar days

twenty (20) calendar days

four hundred and ten (410) calendar days

ADD-3

ADD-3

ADD-3

**3. Article 26 - Hours of work:**

Where a single shift is worked, eight (8) consecutive hours between {7:00AM} and {5:00PM} shall constitute a work day at the applicable prevailing wage rate(s).

To minimize impacts on the instructional environment, there shall be no noise generating work during the final examinations week for five (5) days in the 2024 Fall semester. These days are considered construction “Quiet Days”.

ADD-3

**4. Logistics – Temporary Facilities**

- 1) Contractor shall make provisions to allow ADA path of travel access into adjacent buildings during construction. Contractor shall provide a phasing plan showing compliant ADA path of travel. Phasing plan shall be reviewed and approved by District.
- 2) Contractor shall furnish security lighting (with photocells) illuminating the construction area. Lights shall be placed on the roofs of M and T and powered from existing circuits.
- 3) Existing signage shall be maintained during construction. Contractor shall furnish and install up to 5 additional signs for path of travel or safety at District direction. All project signage to be removed at the completion of the project.
- 4) Construction fencing will be left in place by the previous project. (See Logistics Plan for approximate location) The construction fence shall be maintained by the contractor as part of the construction contract. The fence will have to be moved/modified to support multiple phases of construction. The contractor shall remove the fencing upon completion of the project. The contractor shall include an additional 200LF of temporary 8FT high screened fencing to match existing. The contractor should also furnish, install and maintain 200LF of Sound Blanket to match existing (Basis of design: eNoise Control Model CSSB-2 Sound Blanket 2” thick quilted exterior rated facing STC-21, UV Resistant or Approved Equal. All fencing shall be removed and disposed of at the completion of the project

**5. Hazardous Material- Asbestos Bearing Material Abatement**

Contractor shall be responsible to provide all labor and materials to identify, provide containment, package, remove and dispose of up to 100 LF of unidentified underground 12” Dia. ACM bearing pipe, fittings or insulation.