

# IMPERIAL COMMUNITY COLLEGE DISTRICT

## IMPERIAL VALLEY COLLEGE

# CAMPUS SECURITY CAMERA REPLACEMENT

380 EAST ATEN RD.  
IMPERIAL, CA 92251  
(760) 352-8320

### BOARD OF SCHOOL TRUSTEES :

ROMUALDO J. MEDINA - PRESIDENT  
AREA 2  
KARLA SIGMOND  
AREA 7  
DR. LENNOR M. JOHNSON - SECRETARY  
ISABEL SOLIS - CLERK  
AREA 4  
HORTENCIA ARMENDARIZ  
AREA 1  
ERIK ORTEGA  
AREA 1  
JERRY HART  
AREA 3  
BETSY LINDBERGH  
AREA 5

### APPROVALS

### CONSULTANTS

**ELECTRICAL**  
KRUSE AND ASSOCIATES  
KEITH KRUSE  
12245 WORLD TRADE DRIVE  
SUITE E  
SAN DIEGO CA 92128  
(656) 616-4116

### STATEMENT OF GENERAL CONFORMANCE

- THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET
- THIS DRAWING, OR PAGE OF SPECIFICATIONS / CALCULATIONS FOR LIGHTS STANDARDS, LIGHTING SECTION OF SHEET INDEX

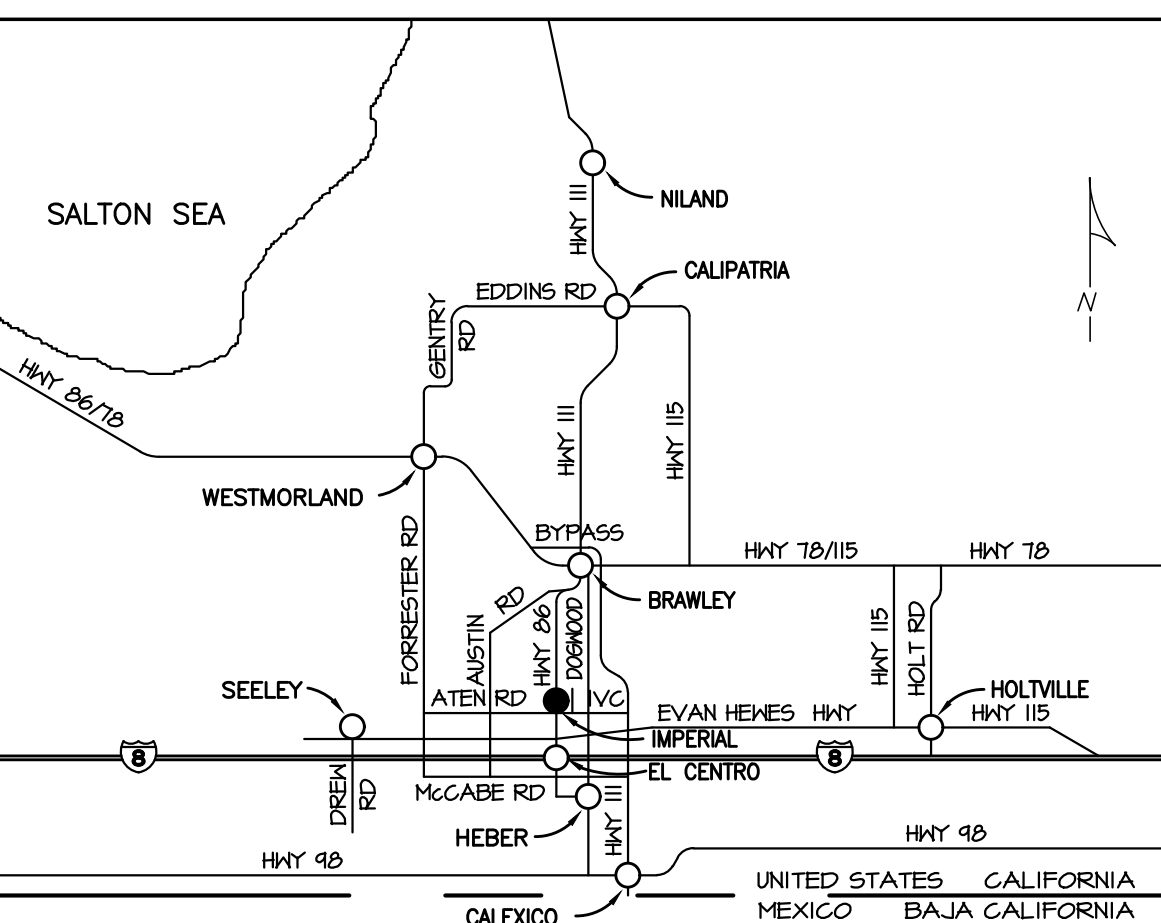
HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND / OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

- 1) DESIGN CONTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
  - 2) COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.
- THE STATEMENT OF GENERAL CONFORMANCE SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17502 AND 17503 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344 OF TITLE 24, PART 1, SECTION 4-311 (D).

- I FIND THAT:
- ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET
  - THIS DRAWING OR PAGE OF SPECIFICATIONS / CALCULATIONS FOR LIGHTS STANDARDS, LIGHTING SECTION OF SHEET INDEX IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, AND HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS SPECIFICATIONS.

JIMMIE SANDERS C-7644  
ARCHITECT / ENGINEER OF RECORD

### VICINITY MAP



### PROJECT BIDDING

**BASE BID**  
BASE BID SHALL INCLUDE ALL WORK SHOWN ON CONTRACT DOCUMENTS AS REQUIRED TO INSTALL THE DISTRICT'S COMPREHENSIVE INSTALLATION OF THEIR CAMPUS SECURITY CAMERA SYSTEM.

1. THE BASE BID SHALL INCLUDE ALL SCOPE OF WORK RELATED TO INSTALLING SECURITY CAMERAS IN DRIVES ONE (1) THROUGH THREE (3) AS SHOWN IN THE PLANS.
2. TRENCHING AND BACKFILLING ARE REQUIRED TO SUPPORT THE CAMPUS SECURITY CAMERA SYSTEM.
3. PROVIDE AND INSTALL ELECTRICAL AND LOW-VOLTAGE WIRES TO SUPPORT THE CAMPUS SECURITY CAMERA SYSTEM.
4. MISCELLANEOUS IRRIGATION AND LANDSCAPING WORK AS REFERENCED IN THE CONTRACT DOCUMENTS.
5. AS REFERENCED IN THE CONTRACT DOCUMENTS, MISCELLANEOUS HARDSCAPE IMPROVEMENTS SUPPORT THE CAMERA SYSTEM INSTALLATION.
6. REPAIR OR INSTALL MISCELLANEOUS ARCHITECTURAL FINISHES AS REQUIRED TO SUPPORT THE CAMERA SYSTEMS.

**BID EXCLUSIONS**  
PURCHASE OF ALL CAMERA EQUIPMENT AND WARRANTIES.

- ALTERNATE ADD 1,  
ADD TO BASE BID  
ALTERNATE ADD ONE (1) SHALL ADD THE FOLLOWING ITEMS TO THE BASE BID.
1. ALTERNATE ONE SHALL INCLUDE ALL SCOPE OF WORK RELATED TO THE BUS STOP CAMERA AS SHOWN IN THE PLANS.
- ALTERNATE ADD 2,  
ADD TO BASE BID  
ALTERNATE ADD TWO (2) SHALL ADD THE FOLLOWING ITEMS TO THE BASE BID.
1. ALTERNATE TWO SHALL INCLUDE ALL SCOPE OF WORK RELATED TO THE CAMERA INSTALLATION IN DRIVE NUMBER (4) FOUR AS SHOWN IN THE PLANS.

### GENERAL NOTES

#### 1. EXAMINATION OF SITE AND CONTRACT DOCUMENTS:

EACH BIDDER SHALL VISIT THE SITE OF THE PROPOSED WORK AND FULLY ACQUAINT HIMSELF WITH THE CONDITIONS RELATING TO THE CONSTRUCTION AND LABOR SO THAT HE MAY FULLY UNDERSTAND THE FACILITIES, DIFFICULTIES AND RESTRICTIONS ATTENDING THE EXECUTION OF THE WORK UNDER THE CONTRACT. BIDDERS SHALL THOROUGHLY EXAMINE AND BE FAMILIAR WITH THE DRAWINGS AND PROJECT MANUAL. THE FAILURE OR OMISSION OF ANY BIDDER TO RECEIVE OR EXAMINE ANY CONTRACT, FORM, INSTRUMENT, ADDENDUM, OR OTHER DOCUMENT OR TO VISIT THE SITE AND ACQUAINT HIMSELF WITH THE CONDITIONS THERE EXISTING SHALL IN NO WISE RELIEVE ANY BIDDER FROM OBLIGATIONS WITH RESPECT TO HIS BID OR TO THE CONTRACT. THE SUBMISSION OF A BID SHALL BE TAKEN AS PRIMA FACIE EVIDENCE OF COMPLIANCE WITH THIS SECTION. THE ARCHITECT SHALL BE NOTIFIED, PRIOR TO BID, OF ANY UNUSUAL CONDITIONS OR DISCREPANCIES IN THE CONTRACT DOCUMENTS OR INTENT OF WORK TO BE ACCOMPLISHED, WHEREIN, A CLARIFICATION OR ADDENDUM MAY BE ISSUED.

#### 2. PROJECT SCOPE:

THE SCOPE OF WORK FOR THIS PROJECT INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING ITEMS:

1. THE BASE BID SHALL INCLUDE ALL SCOPE OF WORK RELATED TO INSTALLING SECURITY CAMERAS IN DRIVES ONE (1) THROUGH THREE (3) AS SHOWN IN THE PLANS.
2. TRENCHING AND BACKFILLING ARE REQUIRED TO SUPPORT THE CAMPUS SECURITY CAMERA SYSTEM.
3. PROVIDE AND INSTALL ELECTRICAL AND LOW-VOLTAGE WIRES TO SUPPORT THE CAMPUS SECURITY CAMERA SYSTEM.
4. MISCELLANEOUS IRRIGATION AND LANDSCAPING WORK AS REFERENCED IN THE CONTRACT DOCUMENTS.
5. AS REFERENCED IN THE CONTRACT DOCUMENTS, MISCELLANEOUS HARDSCAPE IMPROVEMENTS SUPPORT THE CAMERA SYSTEM INSTALLATION.
6. REPAIR OR INSTALL MISCELLANEOUS ARCHITECTURAL FINISHES AS REQUIRED TO SUPPORT THE CAMERA SYSTEMS.

#### GENERAL NOTES:

1. PROTECTION OF EXISTING UTILITIES:  
  - 1.1 UTILITIES, UNLESS OTHERWISE ILLUSTRATED ON THE PLANS OR STATED IN THE CONTRACT DOCUMENTS, ALL UNDERGROUND UTILITIES SHALL BE MAINTAINED IN CONTINUOUS SERVICE THROUGHOUT THE ENTIRE CONTRACT PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE AND LIABLE FOR ANY DAMAGES TO OR INTERRUPTION OF SERVICE CAUSED BY THE CONSTRUCTION.

IF THE CONTRACTOR DESIRES TO SIMPLIFY HIS OPERATION BY TEMPORARILY OR PERMANENTLY RELOCATING OR SHUTTING DOWN ANY UTILITY OR APPURTENANCE, HE SHALL MAKE THE NECESSARY ARRANGEMENTS, AGREEMENTS AND APPROVALS WITH THE UTILITY PURVEYOR, THE DISTRICT AND DISTRICT REPRESENTATIVES, AND SHALL BE COMPLETELY RESPONSIBLE FOR ALL COSTS CONCERNED WITH THE RELOCATION OR SHUTDOWN AND RECONSTRUCTION. ALL PROPERTY SHALL BE RECONSTRUCTED IN ITS ORIGINAL OR NEW LOCATION AS SOON AS POSSIBLE AND TO A CONDITION AT LEAST AS GOOD AS ITS PREVIOUS CONDITION. THIS CYCLE OF RELOCATION OR SHUTDOWN AND RECONSTRUCTION SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE UTILITY PURVEYOR, OR THE DISTRICT AND DISTRICT REPRESENTATIVES.

THE CONTRACTOR SHALL BE ENTIRELY RESPONSIBLE FOR SAFEGUARDING AND MAINTAINING ALL CONFLICTING UTILITIES THAT ARE ILLUSTRATED ON THE PLANS. IF, IN THE COURSE OF WORK, A CONFLICTING UTILITY LINE THAT WAS NOT ILLUSTRATED ON THE PLANS IS DISCOVERED, IT SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND APPROPRIATE UTILITY PURVEYOR FOR A DETERMINATION REGARDING ALTERNATIVES TO THE CONFLICT.

1.2 BUILDINGS, FOUNDATIONS AND STRUCTURES: WHERE TRENCHES ARE LOCATED ADJACENT TO BUILDINGS, FOUNDATIONS AND STRUCTURES, THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTION AGAINST DAMAGE TO THEM.

### GENERAL NOTES

2. OPEN TRENCHES SHALL NOT BE ALLOWED. IF OPEN TRENCHES ARE NECESSARY TO CONTINUE THE PROGRESS OF WORK, THE CONTRACTOR SHALL PRACTICE AND PROVIDE ALL PROVISIONS TO COVER AND BARRICADE THE TRENCHES SECURELY AND SAFELY.
3. CLEAN UP OF EXISTING STREETS:  
DIRTY, DIRT, MUD, NATIVE EARTH MATERIAL, SAND, GRAVEL, PIPE MATERIAL, ASPHALT DEBRIS, CEMENT DEBRIS AND ALL OTHER CONSTRUCTION-RELATED MATERIAL SHALL BE SWEPT FROM THE STREET AND SIDEWALK AREAS IN THE VICINITY OF THE ELECTRICAL PIPELINE INSTALLATION WORK ON A DAILY BASIS. THE MATERIAL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. THE STREET AND SIDEWALK AREAS OPENED TO TRAFFIC, IT SHALL NOT BE NECESSARY TO CLEAN THE STREET SECTIONS CORDED OFF FROM TRAFFIC WITHIN THE PIPE INSTALLATION TRENCH AND ADJOINING WORK AREA. AT THE CONCLUSION OF THE COMPLETION OF ELECTRICAL PIPELINE INSTALLATION THE ENTIRE STREET WIDTH ALONG THE ELECTRICAL PIPELINE SHALL BE SWEPT CLEAN TO THE SATISFACTION OF THE DISTRICT.
4. DEPOSITION OF A.C. PAVEMENT, NATIVE MATERIAL & CONSTRUCTION DEBRIS, A.C. PAVEMENT, NATIVE MATERIAL SPOILS, AND OVERALL CONSTRUCTION DEBRIS RESULTANT FROM TRENCHING AND OTHER CONSTRUCTION ACTIVITIES SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR. THE DISTRICT WILL NOT ACCEPTED ANY DEPOSITION MATERIALS AND/OR DEBRIS TO BE DUMPED AT THE DISTRICT'S YARD, AND/OR TRASH BINS.

#### 3. GEOLOGICAL AND SOILS REPORT:

NONE THIS PROJECT.

#### 4. CODES AND STANDARDS:

APPLICABLE CODES:  
ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).  
2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, CCR  
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, CCR  
(2021 INTERNATIONAL BUILDING CODE WITH CALIFORNIA 2022 AMENDMENTS)  
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, CCR  
(2020 NATIONAL ELECTRICAL CODE WITH CALIFORNIA 2022 AMENDMENTS)  
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, CCR  
(2021 UNIFORM MECHANICAL CODE WITH CALIFORNIA 2022 AMENDMENTS)  
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, CCR  
(2021 UNIFORM PLUMBING CODE WITH CALIFORNIA 2022 AMENDMENTS)  
2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24, CCR  
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, CCR  
(2021 INTERNATIONAL FIRE CODE WITH CALIFORNIA 2022 AMENDMENTS)  
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART II, TITLE 24, CCR  
2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24, CCR  
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS  
2014 ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS

#### PARTIAL LIST OF APPLICABLE STANDARDS:

NFPA 13	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)	2022 EDITION
NFPA 14	STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (CA AMENDED)	2014 EDITION
NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 17A	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 20	STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION	2014 EDITION
NFPA 22	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	2023 EDITION
NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (CA AMENDED)	2014 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)	2022 EDITION
NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENINGS	2014 EDITION
NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED)	2018 EDITION
UL 300	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2005 (R2010)
UL 464	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 EDITION
UL 521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1998 EDITION (WITH REVISIONS THROUGH AUGUST 2005)
UL 1471	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	2016 EDITION
ICC 300	STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS	2017 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SPM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 100.

SEE CALIFORNIA BUILDING CODE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

### GENERAL NOTES

5. INSPECTION:  
BY OWNER.
6. CHANGES TO APPROVED DRAWINGS:  
CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR CONSTRUCTION CHANGE DOCUMENT, APPROVED BY THE ARCHITECT.
7. DEFERRED APPROVALS:  
NONE THIS PROJECT.
8. D.S.A. CLOSE-OUT CERTIFICATION:  
THIS PROJECT NOT LINKED TO OTHER DSA PROJECTS.
9. CONSTRUCTION FIRE SAFETY:  
CONTRACTOR IS RESPONSIBLE FOR FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION AND SHALL COMPLY WITH CFC CHAPTER 14.

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SHEET COUNT: 34 SHEETS

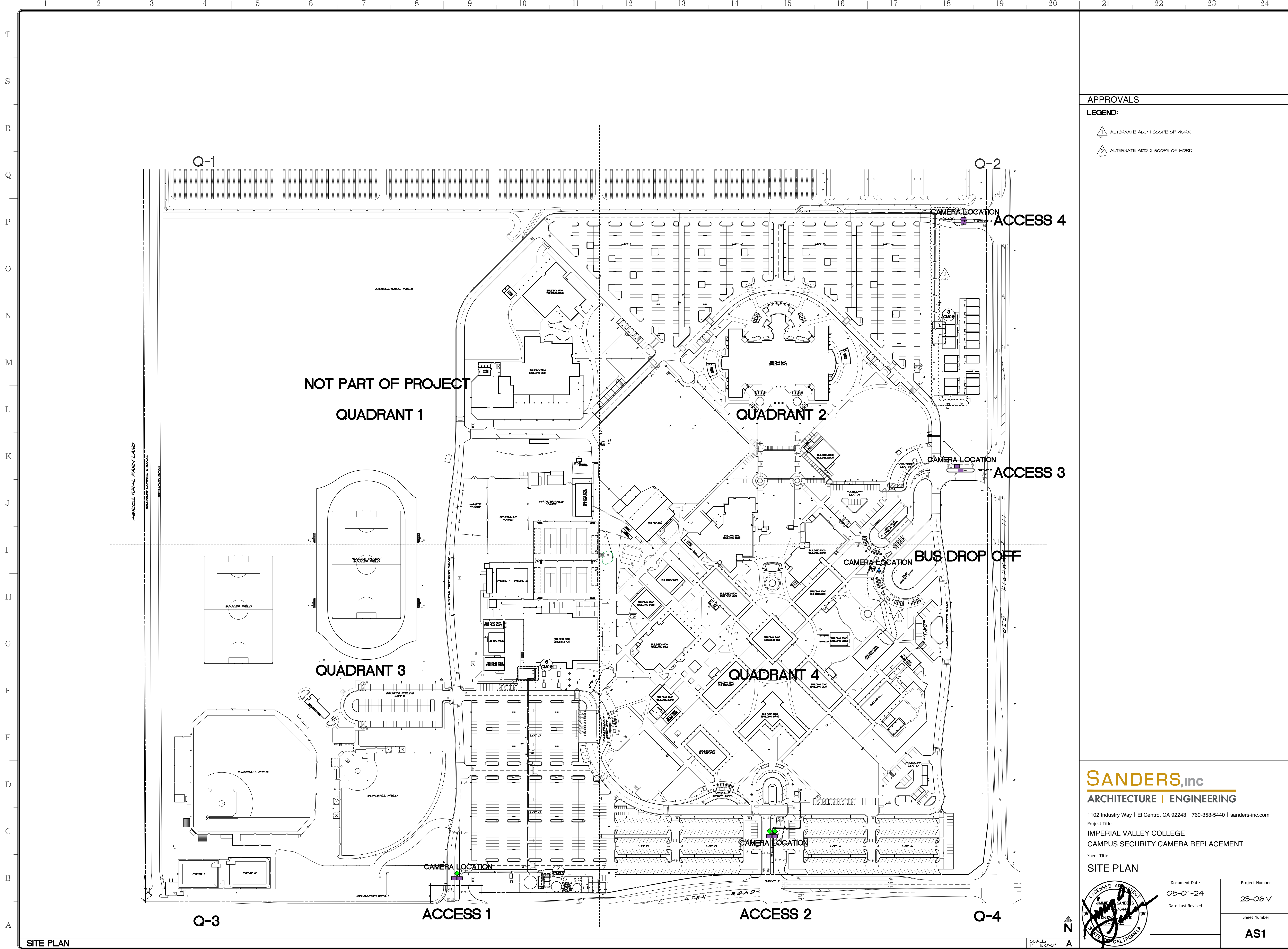
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Project Title  
IMPERIAL VALLEY COLLEGE  
CAMPUS SECURITY CAMERA REPLACEMENT

Sheet Title  
TITLE SHEET, NOTES, SHEET INDEX

	Document Date	Project Number
	08-01-24	23-061V
Date Last Revised	Sheet Number	
	<b>T</b>	



**APPROVALS**

**LEGEND:**

- ALTERNATE ADD 1 SCOPE OF WORK
- ALTERNATE ADD 2 SCOPE OF WORK

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Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT**

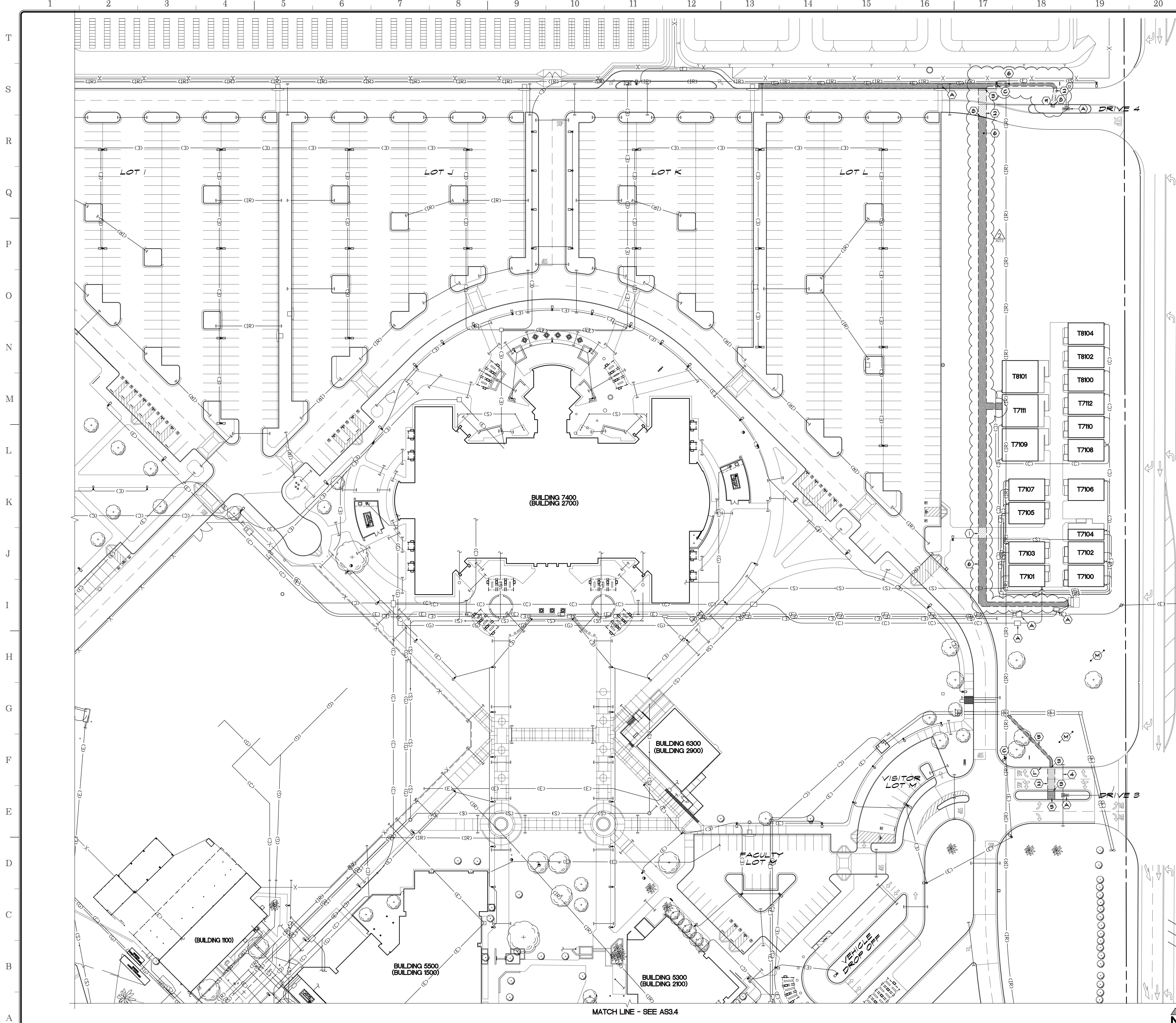
Sheet Title  
**SITE PLAN**

	Document Date <b>08-01-24</b>	Project Number <b>23-061V</b>
	Date Last Revised	Sheet Number <b>AS1</b>

SITE PLAN

SCALE: 1" = 100'-0"





- APPROVALS**
- DEMOLITION KEYNOTES:**
- ① SAWCUT AND REMOVE EXISTING SITE CONCRETE TO EXTENTS SHOWN
  - ② SAWCUT AND REMOVE EXISTING ASPHALT AS REQUIRED FOR NEW WORK
  - ③ REMOVE SECTION OF EXISTING CONCRETE CURB AND GUTTER
  - ④ REMOVE AND RE-INSTALL IRRIGATION LINES AS REQUIRED TO ALLOW NEW COMMUNICATION AND/OR ELECTRICAL LINES FOR NEW CAMERAS INSTALLATION
  - ⑤ REMOVE SECTION OF EXISTING LANDSCAPE FOR NEW WORK - REFER TO LANDSCAPE PLANS
  - ⑥ REMOVE SECTION OF EXISTING DIRT FOR NEW WORK
  - ⑦ EXISTING SURVEILLANCE CAMERAS - REMOVE
  - ⑧ REMOVE SECTION OF EXISTING CONCRETE CURB
  - ⑨ REMOVE SECTION OF EXISTING DECOMPOSED GRANITE FOR NEW WORK

- EXISTING KEYNOTES:**
- (A) EXISTING STRUCTURE, PROTECT
  - (B) EXISTING ACCESSIBLE RAMP, PROTECT
  - (C) EXISTING LIGHT STANDARD, PROTECT
  - (D) EXISTING TREE, PROTECT
  - (E) EXISTING TRASH ENCLOSURE
  - (F) EXISTING CONCRETE SIDEWALK, PROTECT
  - (G) EXISTING MAIN ELECTRICAL DISTRIBUTION SWITCHGEAR, PROTECT
  - (H) EXISTING FIRE RISER, PROTECT
  - (I) EXISTING DUAL PORT FIRE HYDRANT, PROTECT
  - (J) EXISTING POST INDICATOR VAULVE, PROTECT
  - (K) EXISTING CONCRETE CURB/GUTTER, PROTECT
  - (L) EXISTING LANDSCAPING, PROTECT
  - (M) EXISTING TRUNCATED DOMES, PROTECT
  - (N) EXISTING COMMUNICATION VAULT, PROTECT
  - (O) EXISTING CHAIN LINK FENCING, PROTECT
  - (P) EXISTING CONCRETE SHALE, PROTECT
  - (Q) EXISTING ASPHALT PAVING PARKING, PROTECT
  - (R) EXISTING PARKING STALLS STRIPING TO REMAIN
  - (S) EXISTING WATER METER & SHUT OFF VALVE, PROTECT
  - (T) EXISTING WATER BACKFLOW PREVENTER, PROTECT
  - (U) EXISTING BUILDING MASONRY COLUMN
  - (V) EXISTING STORM DRAIN, PROTECT
  - (W) EXISTING BLUE POLE, PROTECT

- LEGEND:**
- BUILDING 5300 FUTURE BUILDING NUMBER
  - (BUILDING 2100) CURRENT BUILDING NUMBER
  - XXXXX BENCH MARK, TOP OF NAIL AT POWER POLES
  - X EXISTING CHAINLINK FENCING
  - EXISTING STEEL FENCING
  - EXISTING AC PAVING TO BE REMOVED
  - EXISTING CONCRETE SIDEWALK TO BE REMOVED
  - EXISTING DIRT TO BE REMOVED
  - EXISTING LANDSCAPE TO BE REMOVED
  - EXISTING DECOMPOSED GRANITE TO BE REMOVED
  - EXISTING ELEVATION (SITE CONCRETE UNO)
  - FIRE HYDRANT
  - POWER POLE
  - NS NATURAL SOIL
  - TC TOP OF CURB
  - FL FLOW LINE
  - AC ASPHALT PAVING
  - FF FINISH FLOOR
  - ▲ ALTERNATE ADD 2 SCOPE OF WORK

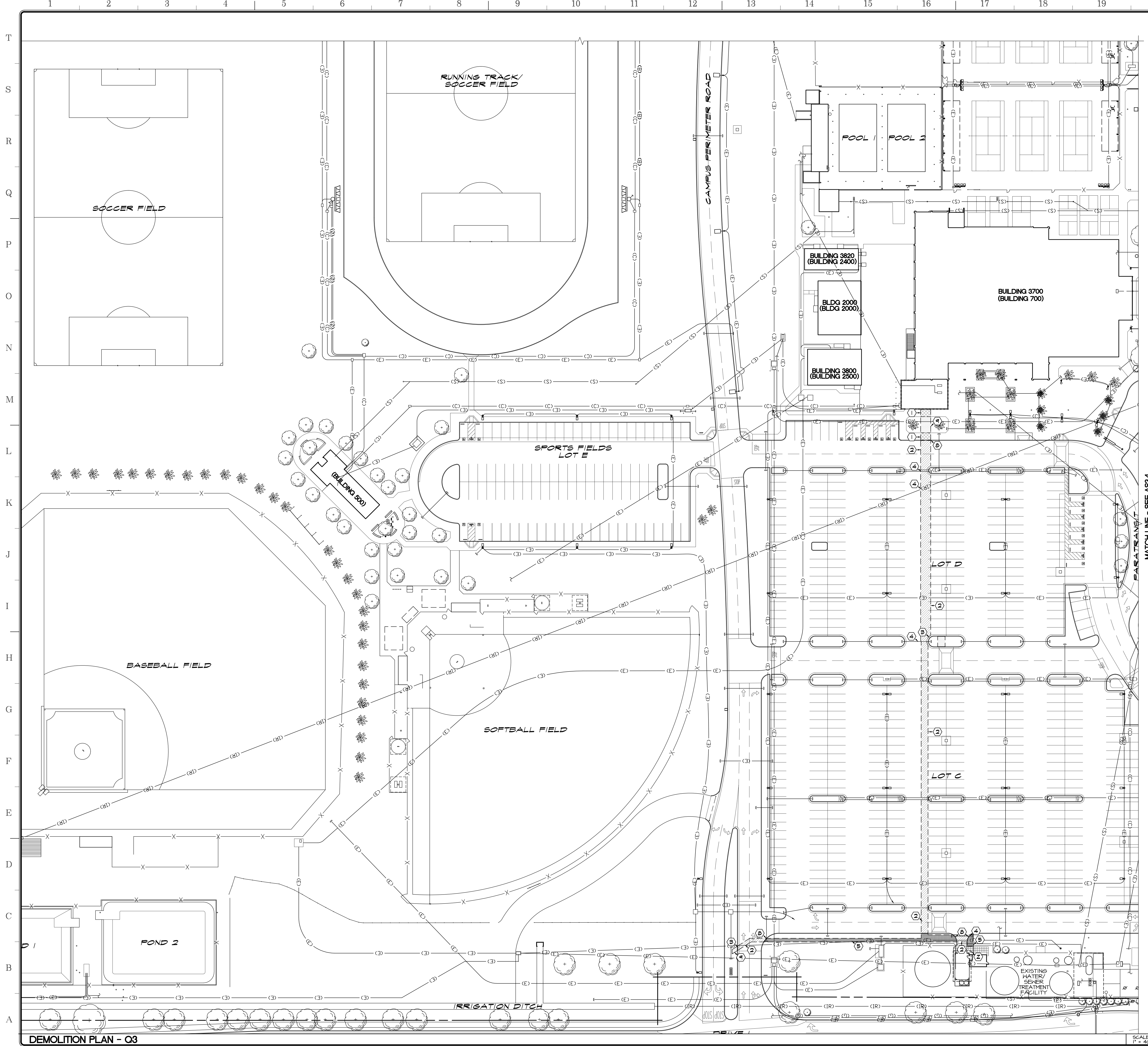
- NOTES:**
- DEMOLITION KEYNOTES ARE NOT INTENDED TO SHOW ALL DEMOLITION REQUIRED FOR PROPOSED IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING IMPROVEMENTS/CONDITIONS REQUIRED TO COMPLETE WORK FOR PROPOSED IMPROVEMENTS.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE EXISTING IRRIGATION SYSTEM PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REQUEST FOR ANY IRRIGATION AS-BUILTS IN ALL PLANTER AREAS, OR AS DENOTED WITHIN THE PLANS. CONTRACTOR SHALL CAP LINE AWAY FROM PROPOSED IMPROVEMENTS, AND NOTIFY ARCHITECT/SCHOOL DISTRICT. UNFORESEEN IRRIGATION INFRASTRUCTURE SHALL BE REPAIRED PER DISTRICT STANDARDS AND COVERED BY PROJECT ALLOWANCE.
  - FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL CONFORM TO 2022 CFC CHAPTER 33.
  - ALL AREAS OF CONCRETE SAWCUT SHOULD CONSIDER NEAREST GOLD JOINTS FOR DEMOLITION.
  - AVOID BREAKING EXISTING CONCRETE CURB AND GUTTER. PROVIDE NEW CONDUIT UNDERNEATH EXISTING CURB AND GUTTER WHEN POSSIBLE.

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Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT**

Sheet Title  
**DEMOLITION PLAN - Q2**

	Document Date <b>08-01-24</b>	Project Number <b>23-061V</b>
	Date Last Revised	Sheet Number <b>AS3.2</b>



**APPROVALS**

**DEMOLITION KEYNOTES:**

- ① SAWCUT AND REMOVE EXISTING SITE CONCRETE TO EXTENTS SHOWN
- ② SAWCUT AND REMOVE EXISTING ASPHALT AS REQUIRED FOR NEW WORK
- ③ REMOVE SECTION OF EXISTING CONCRETE CURB AND GUTTER
- ④ REMOVE AND RE-INSTALL IRRIGATION LINES AS REQUIRED TO ALLOW NEW COMMUNICATION AND/OR ELECTRICAL LINES FOR NEW CAMERAS INSTALLATION
- ⑤ REMOVE SECTION OF EXISTING LANDSCAPE FOR NEW WORK - REFER TO LANDSCAPE PLANS
- ⑥ REMOVE SECTION OF EXISTING DIRT FOR NEW WORK
- ⑦ EXISTING SURVEILLANCE CAMERAS - REMOVE
- ⑧ REMOVE SECTION OF EXISTING CONCRETE CURB
- ⑨ REMOVE SECTION OF EXISTING DECOMPOSED GRANITE FOR NEW WORK

**EXISTING KEYNOTES:**

- Ⓐ EXISTING STRUCTURE, PROTECT
- Ⓑ EXISTING ACCESSIBLE RAMP, PROTECT
- Ⓒ EXISTING LIGHT STANDARD, PROTECT
- Ⓓ EXISTING TREE, PROTECT
- Ⓔ EXISTING TRASH ENCLOSURE
- Ⓕ EXISTING CONCRETE SIDEWALK, PROTECT
- Ⓖ EXISTING MAIN ELECTRICAL DISTRIBUTION SWITCHGEAR, PROTECT
- Ⓗ EXISTING FIRE RISER, PROTECT
- Ⓙ EXISTING DUAL PORT FIRE HYDRANT, PROTECT
- Ⓚ EXISTING POST INDICATOR VAULVE, PROTECT
- Ⓛ EXISTING CONCRETE CURB/GUTTER, PROTECT
- Ⓜ EXISTING LANDSCAPING, PROTECT
- Ⓝ EXISTING TRUNCATED DOMES, PROTECT
- Ⓟ EXISTING COMMUNICATION VAULT, PROTECT
- Ⓡ EXISTING CHAIN LINK FENCING, PROTECT
- Ⓢ EXISTING CONCRETE SHALE, PROTECT
- Ⓣ EXISTING ASPHALT PAVING PARKING, PROTECT
- Ⓤ EXISTING PARKING STALLS STRIPING TO REMAIN
- Ⓡ EXISTING WATER METER & SHUT OFF VALVE, PROTECT
- Ⓢ EXISTING WATER BACKFLOW PREVENTER, PROTECT
- Ⓣ EXISTING BUILDING MASONRY COLUMN
- Ⓤ EXISTING STORM DRAIN, PROTECT
- Ⓡ EXISTING BLUE POLE, PROTECT
- Ⓢ EXISTING CONCRETE TILES - REMOVE AND REPLACE

**LEGEND:**

- BUILDING 5300** FUTURE BUILDING NUMBER
- (BUILDING 2100)** CURRENT BUILDING NUMBER
- XXXXX BENCH MARK, TOP OF NAIL AT POWER POLES
- X EXISTING CHAINLINK FENCING
- EXISTING STEEL FENCING
- EXISTING AC PAVING TO BE REMOVED
- EXISTING CONCRETE SIDEWALK TO BE REMOVED
- EXISTING DIRT TO BE REMOVED
- EXISTING LANDSCAPE TO BE REMOVED
- EXISTING DECOMPOSED GRANITE TO BE REMOVED
- EXISTING ELEVATION (SITE CONCRETE UNO)
- FIRE HYDRANT
- ⚡ POWER POLE
- NS NATURAL SOIL
- TC TOP OF CURB
- FL FLOW LINE
- AC ASPHALT PAVING
- FF FINISH FLOOR

**NOTES:**

1. DEMOLITION KEYNOTES ARE NOT INTENDED TO SHOW ALL DEMOLITION REQUIRED FOR PROPOSED IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING IMPROVEMENTS/CONDITIONS REQUIRED TO COMPLETE WORK FOR PROPOSED IMPROVEMENTS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE EXISTING IRRIGATION SYSTEM PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REQUEST FOR ANY IRRIGATION AS-BUILTS IN ALL PLANTER AREAS, OR AS DENOTED WITHIN THE PLANS. CONTRACTOR SHALL CAP LINE AWAY FROM PROPOSED IMPROVEMENTS, AND NOTIFY ARCHITECT/SCHOOL DISTRICT, UNFORESEEN IRRIGATION INFRASTRUCTURE SHALL BE REPAIRED PER DISTRICT STANDARDS AND COVERED BY PROJECT ALLOWANCE.
3. FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL CONFORM TO 2022 CFC CHAPTER 39.
4. ALL AREAS OF CONCRETE SAWCUT SHOULD CONSIDER NEAREST COLD JOINTS FOR DEMOLITION.
5. AVOID BREAKING EXISTING CONCRETE CURB AND GUTTER. PROVIDE NEW CONDUIT UNDERNEATH EXISTING CURB AND GUTTER WHEN POSSIBLE.

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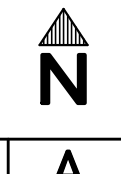
Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT**

Sheet Title  
**DEMOLITION PLAN - Q3**

	Document Date <b>08-01-24</b>	Project Number <b>23-01V</b>
	Date Last Revised	Sheet Number <b>AS3.3</b>

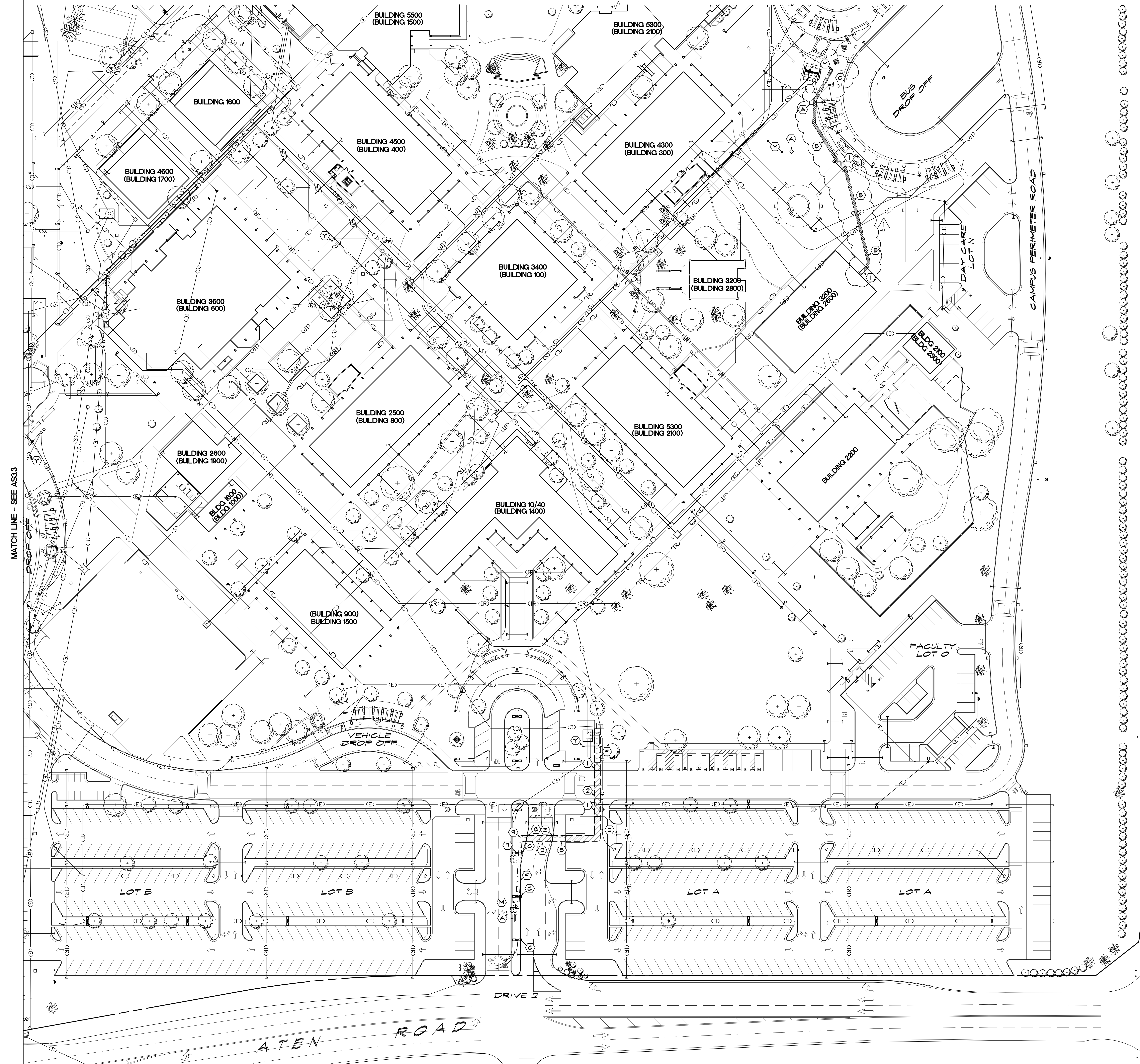
**DEMOLITION PLAN - Q3**

SCALE: 1" = 40'-0"



MATCH LINE - SEE AS34

MATCH LINE - SEE AS3.2



APPROVALS

DEMOLITION KEYNOTES:

- 1 SANGUT AND REMOVE EXISTING SITE CONCRETE TO EXTENTS SHOWN
- 2 SANGUT AND REMOVE EXISTING ASPHALT AS REQUIRED FOR NEW WORK
- 3 REMOVE SECTION OF EXISTING CONCRETE CURB AND GUTTER
- 4 REMOVE AND RE-INSTALL IRRIGATION LINES AS REQUIRED TO ALLOW NEW COMMUNICATION AND/OR ELECTRICAL LINES FOR NEW CAMERA INSTALLATION
- 5 REMOVE SECTION OF EXISTING LANDSCAPE FOR NEW WORK - REFER TO LANDSCAPE PLANS
- 6 REMOVE SECTION OF EXISTING DIRT FOR NEW WORK
- 7 EXISTING SURVEILLANCE CAMERAS - REMOVE
- 8 REMOVE SECTION OF EXISTING CONCRETE CURB
- 9 REMOVE SECTION OF EXISTING DECOMPOSED GRANITE FOR NEW WORK

EXISTING KEYNOTES:

- (A) EXISTING STRUCTURE, PROTECT
- (B) EXISTING ACCESSIBLE RAMP, PROTECT
- (C) EXISTING LIGHT STANDARD, PROTECT
- (D) EXISTING TREE, PROTECT
- (E) EXISTING TRASH ENCLOSURE
- (F) EXISTING CONCRETE SIDEWALK, PROTECT
- (G) EXISTING MAIN ELECTRICAL DISTRIBUTION SWITCHGEAR, PROTECT
- (H) EXISTING FIRE RISER, PROTECT
- (I) EXISTING DUAL PORT FIRE HYDRANT, PROTECT
- (J) EXISTING POST INDICATOR VALVE, PROTECT
- (K) EXISTING CONCRETE CURB/GUTTER, PROTECT
- (L) EXISTING LANDSCAPING, PROTECT
- (M) EXISTING TRUNCATED DOME, PROTECT
- (N) EXISTING COMMUNICATION VAULT, PROTECT
- (O) EXISTING CHAIN LINK FENCING, PROTECT
- (P) EXISTING CONCRETE SHALE, PROTECT
- (Q) EXISTING ASPHALT PAVING PARKING, PROTECT
- (R) EXISTING PARKING STALLS STRIPING TO REMAIN
- (S) EXISTING WATER METER & SHUT OFF VALVE, PROTECT
- (T) EXISTING WATER BACKFLOW PREVENTER, PROTECT
- (U) EXISTING BUILDING MASONRY COLUMN
- (V) EXISTING STORM DRAIN, PROTECT
- (W) EXISTING BLUE POLE, PROTECT

LEGEND:

- BUILDING 5300 FUTURE BUILDING NUMBER
- (BUILDING 2100) CURRENT BUILDING NUMBER
- XXXXX BENCH MARK, TOP OF NAIL AT POWER POLES
- X EXISTING CHAINLINK FENCING
- EXISTING STEEL FENCING
- EXISTING AC PAVING TO BE REMOVED
- EXISTING CONCRETE SIDEWALK TO BE REMOVED
- EXISTING DIRT TO BE REMOVED
- EXISTING LANDSCAPE TO BE REMOVED
- EXISTING DECOMPOSED GRANITE TO BE REMOVED
- EXISTING ELEVATION (SITE CONCRETE UNO)
- FIRE HYDRANT
- POWER POLE
- N5 NATURAL SOIL
- TC TOP OF CURB
- FL FLOW LINE
- AC ASPHALT PAVING
- FF FINISH FLOOR
- ▲ ALTERNATE ADD I SCOPE OF WORK

NOTES:

1. DEMOLITION KEYNOTES ARE NOT INTENDED TO SHOW ALL DEMOLITION REQUIRED FOR PROPOSED IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING IMPROVEMENTS/CONDITIONS REQUIRED TO COMPLETE WORK FOR PROPOSED IMPROVEMENTS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE EXISTING IRRIGATION SYSTEM. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL REQUEST FOR ANY IRRIGATION AS-BUILTS IN ALL PLANTER AREAS OR AS DENOTED WITHIN THE PLANS. CONTRACTOR SHALL CAP LINE AWAY FROM PROPOSED IMPROVEMENTS, AND NOTIFY ARCHITECT/SCHOOL DISTRICT. UNFORESEEN IRRIGATION INFRASTRUCTURE SHALL BE REPAIRED PER DISTRICT STANDARDS AND COVERED BY PROJECT ALLOWANCE.
3. FIRE PROTECTION DURING DEMOLITION AND CONSTRUCTION SHALL CONFORM TO 2022 CFC CHAPTER 33.
4. ALL AREAS OF CONCRETE SANGUT SHOULD CONSIDER NEAREST GOLD JOINTS FOR DEMOLITION.
5. AVOID BREAKING EXISTING CONCRETE CURB AND GUTTER. PROVIDE NEW CONDUIT UNDERNEATH EXISTING CURB AND GUTTER WHEN POSSIBLE.

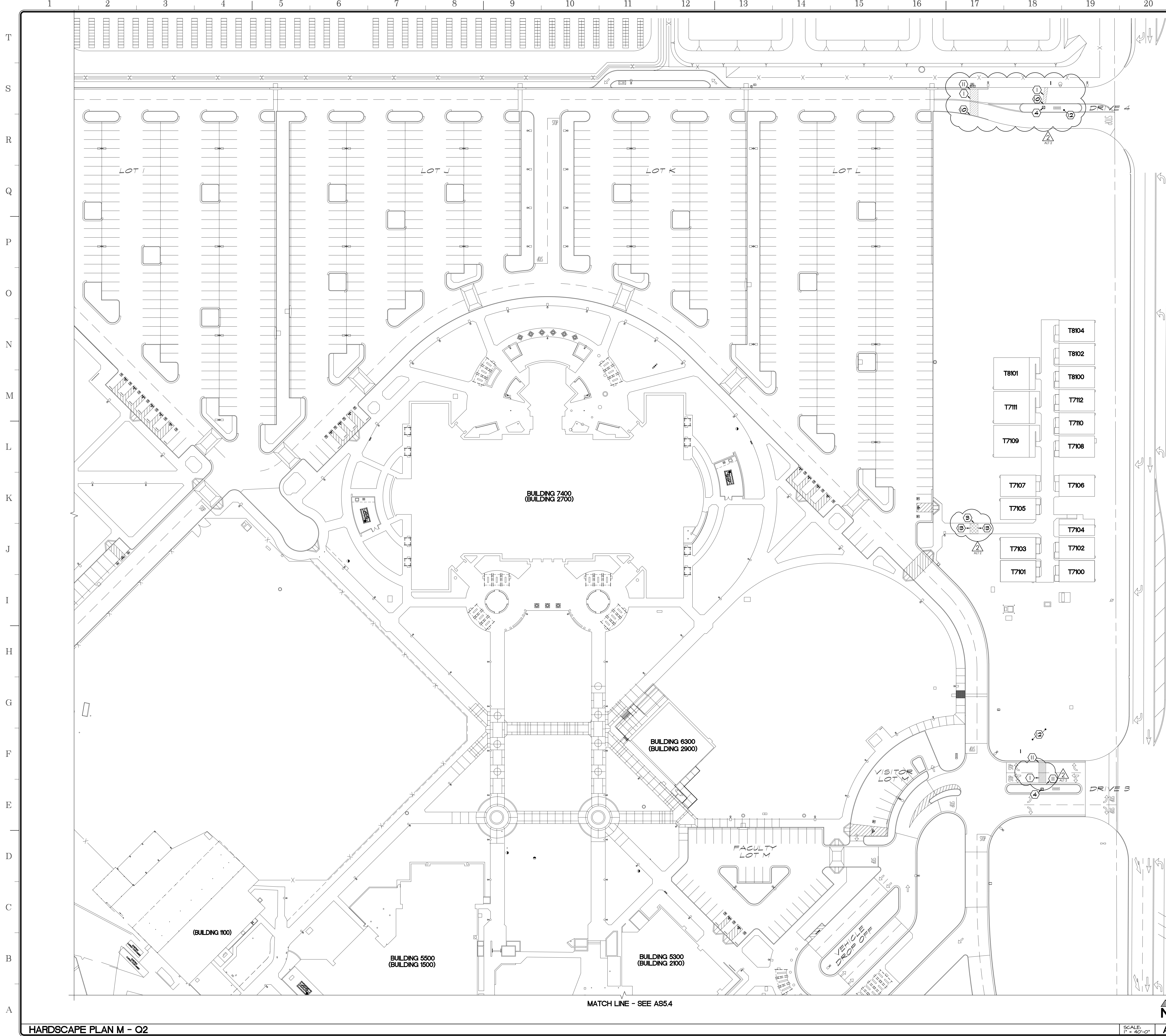
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Project Title  
 IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT

Sheet Title  
 DEMOLITION PLAN - Q4

	Document Date	Project Number
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	Date Last Revised	Sheet Number
		AS3.4



- APPROVALS**
- KEYNOTES:**
- ① 2 1/2" ASPHALT PAVING (AS2)
  - ② 6" THICK CONCRETE PAVING (AS2)
  - ③ 6" THICK CONCRETE WALK (AS2)
  - ④ NEW POLE STANDARD FOOTING (AS2)
  - ⑤ EXISTING PAVING - PROTECT (AS2)
  - ⑥ EXPANSION JOINT (AS2)
  - ⑦ CONSTRUCTION JOINT (AS2)
  - ⑧ CONTROL JOINT (AS2)
  - ⑨ PROVIDE WHITE PARKING LOT STRIPING / DIRECTIONAL ARROWS
  - ⑩ CURB (AS2)
  - ⑪ CURB AND GUTTER (AS2)
  - ⑫ LANDSCAPE AREA - SEE LANDSCAPE PLANS
  - ⑬ NEW CONCRETE TO NEAREST EXISTING CONTROL JOINT - CONTRACTOR TO VERIFY

- LEGEND:**
- BUILDING 5300** FUTURE BUILDING NUMBER  
**(BUILDING 2100)** CURRENT BUILDING NUMBER
- XXXX BENCH MARK, TOP OF NAIL AT POWER POLES
  - X- EXISTING CHAINLINK FENCING
  - - - EXISTING STEEL FENCING
  - ▨ PROVIDE AC PAVING
  - ▩ PROVIDE CONCRETE SIDEWALK
  - ▲ (AS2) EXISTING ELEVATION (SITE CONCRETE UNO)
  - FIRE HYDRANT
  - ⊕ POWER POLE
  - NS NATURAL SOIL
  - TC TOP OF CURB
  - FL FLOW LINE
  - AC ASPHALT PAVING
  - FF FINISH FLOOR
  - ▲ (ALT) ALTERNATE ADD 2 SCOPE OF WORK

- NOTES:**
1. ALL DIMENSIONS ARE TO FACE OF CURB AND FACE OF STUD/CHU (UNO).
  2. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY DRAINAGE OF SITE. CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO CONSTRUCTION, ANY SITE CONCRETE WHICH WILL NOT PROPERLY DRAIN.
  3. ALL CONTROL JOINTS TO BE SAW CUT.
  4. PROVIDE 1'-0" MIN. TOP SOIL AT ALL PLANTING AREAS.
  5. ALL NATIVE SOIL REMOVED FOR CONSTRUCTION OF PARKING AREAS/ROAD SHALL REMAIN ON SITE. CONTRACTOR SHALL USE NATIVE SOIL FOR FINISH GRADING. ALL EXCESS NATIVE SOIL SHALL BE EVENLY GRADED OVER SPORTS FIELDS.
  6. PROVIDE TOP SOIL SLOPED AWAY FROM SITE CONCRETE AT 4% MAX. SLOPE, TYP. AT ENTIRE SITE.
  7. MAXIMUM CROSS SLOPE AT ALL ACCESSIBLE PATHS OF TRAVEL IS 2%.
  8. LOCAL FIRE AUTHORITY TO REVIEW AND APPROVE FIRE ACCESS ROAD DIMENSIONS AND TURNING RADII - SEE FIRE ACCESS SITE PLAN, SHEET AS2.

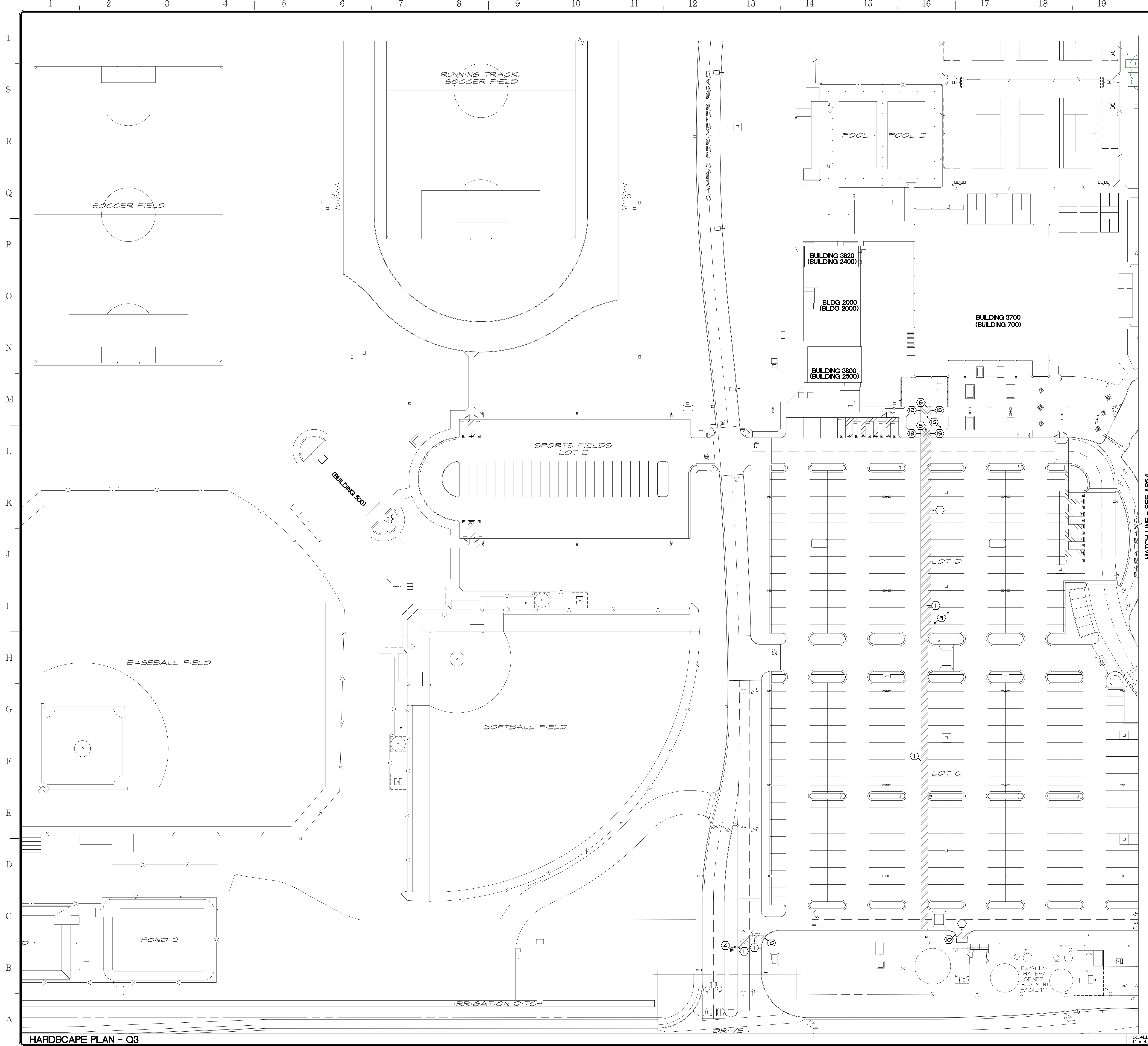
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Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT**

Sheet Title  
**HARDSCAPE Q-2**

	Document Date 08-01-24	Project Number 23-061V
	Date Last Revised	Sheet Number <b>AS5.2</b>



**APPROVALS**

**KEYNOTES:**

- ① 2 1/2" ASPHALT PAVING (AB2)
- ② 6" THICK CONCRETE PAVING (AB3)
- ③ 6" THICK CONCRETE WALK (AB3)
- ④ NEW POLE STANDARD FOOTING (AB2)
- ⑤ EXISTING PAVING - PROTECT (AB2)
- ⑥ EXPANSION JOINT (AB2)
- ⑦ CONSTRUCTION JOINT (AB2)
- ⑧ CONTROL JOINT (AB2)
- ⑨ PROVIDE WHITE PARKING LOT STRIPING / DIRECTIONAL ARROWS (AB2)
- ⑩ CURB (AB2)
- ⑪ CURB AND GUTTER (AB2)
- ⑫ LANDSCAPE AREA - SEE LANDSCAPE PLANS (AB2)
- ⑬ NEW CONCRETE TO NEAREST EXISTING CONTROL JOINT - CONTRACTOR TO VERIFY (AB2)

**LEGEND:**

- BUILDING 5300 FUTURE BUILDING NUMBER
- BUILDING 2100 CURRENT BUILDING NUMBER
- XXXX BENCH MARK, TOP OF NAIL AT POWER POLES
- X EXISTING CHAINLINK FENCING
- EXISTING STEEL FENCING
- ▨ PROVIDE AC PAVING
- ▩ PROVIDE CONCRETE SIDEWALK
- ▲ EXISTING ELEVATION (SITE CONCRETE UNO)
- FIRE HYDRANT
- ⚡ POWER POLE
- NS NATURAL SOIL
- TC TOP OF CURB
- FL FLOW LINE
- AC ASPHALT PAVING
- FF FINISH FLOOR

**NOTES:**

1. ALL DIMENSIONS ARE TO FACE OF CURB AND FACE OF STUD/CHU (UNO).
2. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY DRAINAGE OF SITE. CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO CONSTRUCTION, ANY SITE CONCRETE WHICH WILL NOT PROPERLY DRAIN.
3. ALL CONTROL JOINTS TO BE SAW CUT.
4. PROVIDE 1'-0" MIN. TOP SOIL AT ALL PLANTING AREAS.
5. ALL NATIVE SOIL REMOVED FOR CONSTRUCTION OF PARKING AREAS/ROAD SHALL REMAIN ON SITE. CONTRACTOR SHALL USE NATIVE SOIL FOR FINISH GRADING. ALL EXCESS NATIVE SOIL SHALL BE EVENLY GRADED OVER SPORTS FIELDS.
6. PROVIDE TOP SOIL SLOPED AWAY FROM SITE CONCRETE AT 4% MAX. SLOPE, TYP. AT ENTIRE SITE.
7. MAXIMUM CROSS SLOPE AT ALL ACCESSIBLE PATHS OF TRAVEL IS 2%.
8. LOCAL FIRE AUTHORITY TO REVIEW AND APPROVE FIRE ACCESS ROAD DIMENSIONS AND TURNING RADII - SEE FIRE ACCESS SITE PLAN, SHEET AS2.

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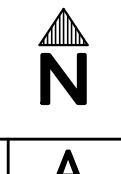
Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT**

Sheet Title  
**HARDSCAPE Q-3**

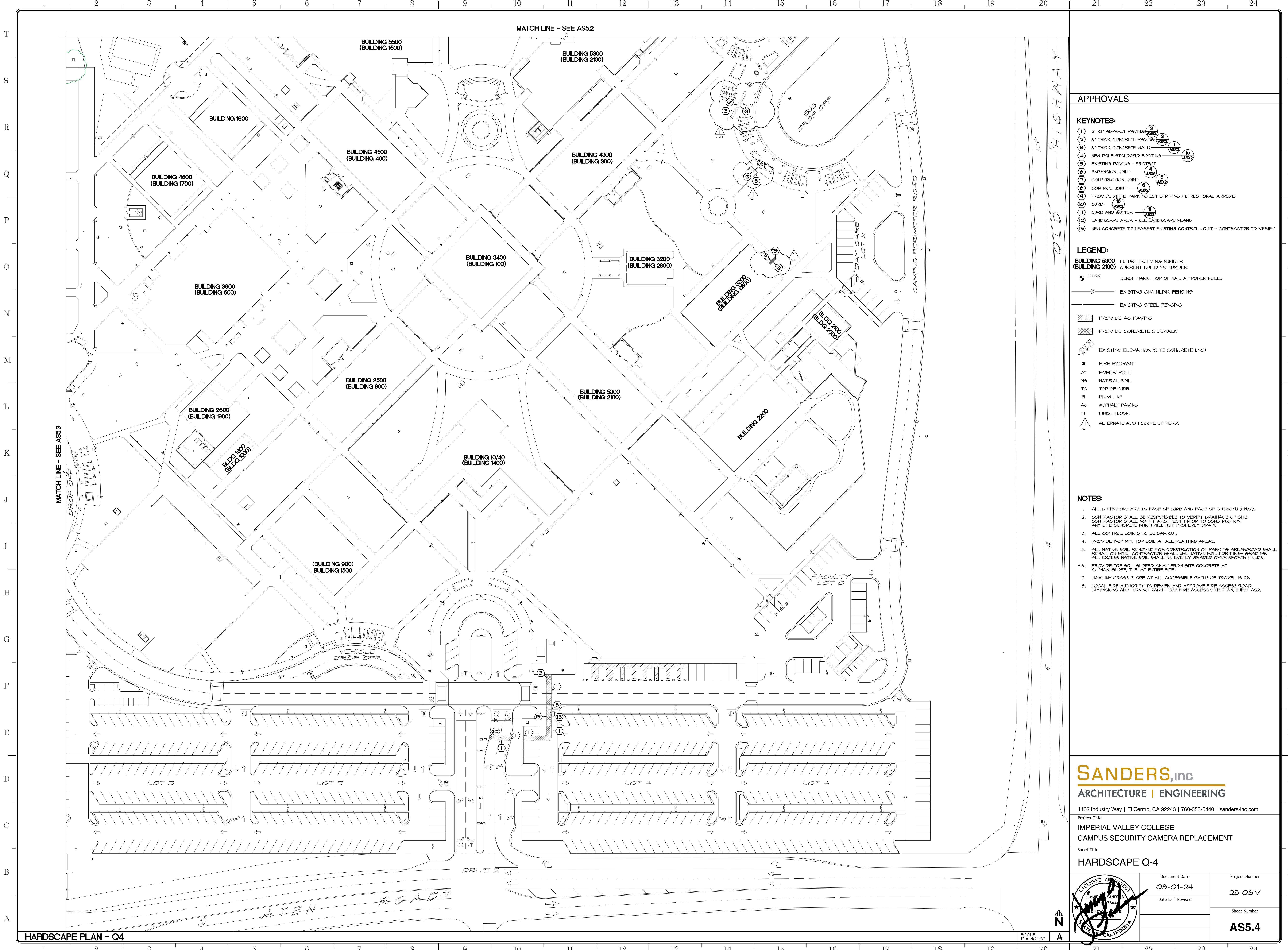
	Document Date <b>08-01-24</b>	Project Number <b>23-061V</b>
	Date Last Revised	Sheet Number <b>AS5.3</b>

**HARDSCAPE PLAN - Q3**

SCALE: 1" = 40'-0"



MATCH LINE - SEE AS54



**APPROVALS**

**KEYNOTES:**

- ① 2 1/2" ASPHALT PAVING (2 ABX2)
- ② 6" THICK CONCRETE PAVING (3 ABX2)
- ③ 6" THICK CONCRETE WALK (4 ABX2)
- ④ NEW POLE STANDARD FOOTING (5 ABX2)
- ⑤ EXISTING PAVING - PROTECT (6 ABX2)
- ⑥ EXPANSION JOINT (7 ABX2)
- ⑦ CONSTRUCTION JOINT (8 ABX2)
- ⑧ CONTROL JOINT (9 ABX2)
- ⑨ PROVIDE WHITE PARKING LOT STRIPING / DIRECTIONAL ARROWS
- ⑩ CURB (10 ABX2)
- ⑪ CURB AND GUTTER (11 ABX2)
- ⑫ LANDSCAPE AREA - SEE LANDSCAPE PLANS
- ⑬ NEW CONCRETE TO NEAREST EXISTING CONTROL JOINT - CONTRACTOR TO VERIFY

**LEGEND:**

- BUILDING 5300** FUTURE BUILDING NUMBER
- (BUILDING 2100)** CURRENT BUILDING NUMBER
- XXXX BENCH MARK, TOP OF NAIL AT POWER POLES
- X EXISTING CHAINLINK FENCING
- EXISTING STEEL FENCING
- ▨ PROVIDE AC PAVING
- ▩ PROVIDE CONCRETE SIDEWALK
- EXISTING ELEVATION (SITE CONCRETE UNO)
- FIRE HYDRANT
- ⚡ POWER POLE
- NS NATURAL SOIL
- TC TOP OF CURB
- FL FLOW LINE
- AC ASPHALT PAVING
- FF FINISH FLOOR
- ▲ ALTERNATE ADD I SCOPE OF WORK

**NOTES:**

1. ALL DIMENSIONS ARE TO FACE OF CURB AND FACE OF STUD/CHU (UNO).
2. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY DRAINAGE OF SITE. CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO CONSTRUCTION, ANY SITE CONCRETE WHICH WILL NOT PROPERLY DRAIN.
3. ALL CONTROL JOINTS TO BE SAW CUT.
4. PROVIDE 1'-0" MIN. TOP SOIL AT ALL PLANTING AREAS.
5. ALL NATIVE SOIL REMOVED FOR CONSTRUCTION OF PARKING AREAS/ROAD SHALL REMAIN ON SITE. CONTRACTOR SHALL USE NATIVE SOIL FOR FINISH GRADING. ALL EXCESS NATIVE SOIL SHALL BE EVENLY GRADED OVER SPORTS FIELDS.
6. PROVIDE TOP SOIL SLOPED AWAY FROM SITE CONCRETE AT 4% MAX. SLOPE, TYP. AT ENTIRE SITE.
7. MAXIMUM CROSS SLOPE AT ALL ACCESSIBLE PATHS OF TRAVEL IS 2%.
8. LOCAL FIRE AUTHORITY TO REVIEW AND APPROVE FIRE ACCESS ROAD DIMENSIONS AND TURNING RADII - SEE FIRE ACCESS SITE PLAN, SHEET AS2.

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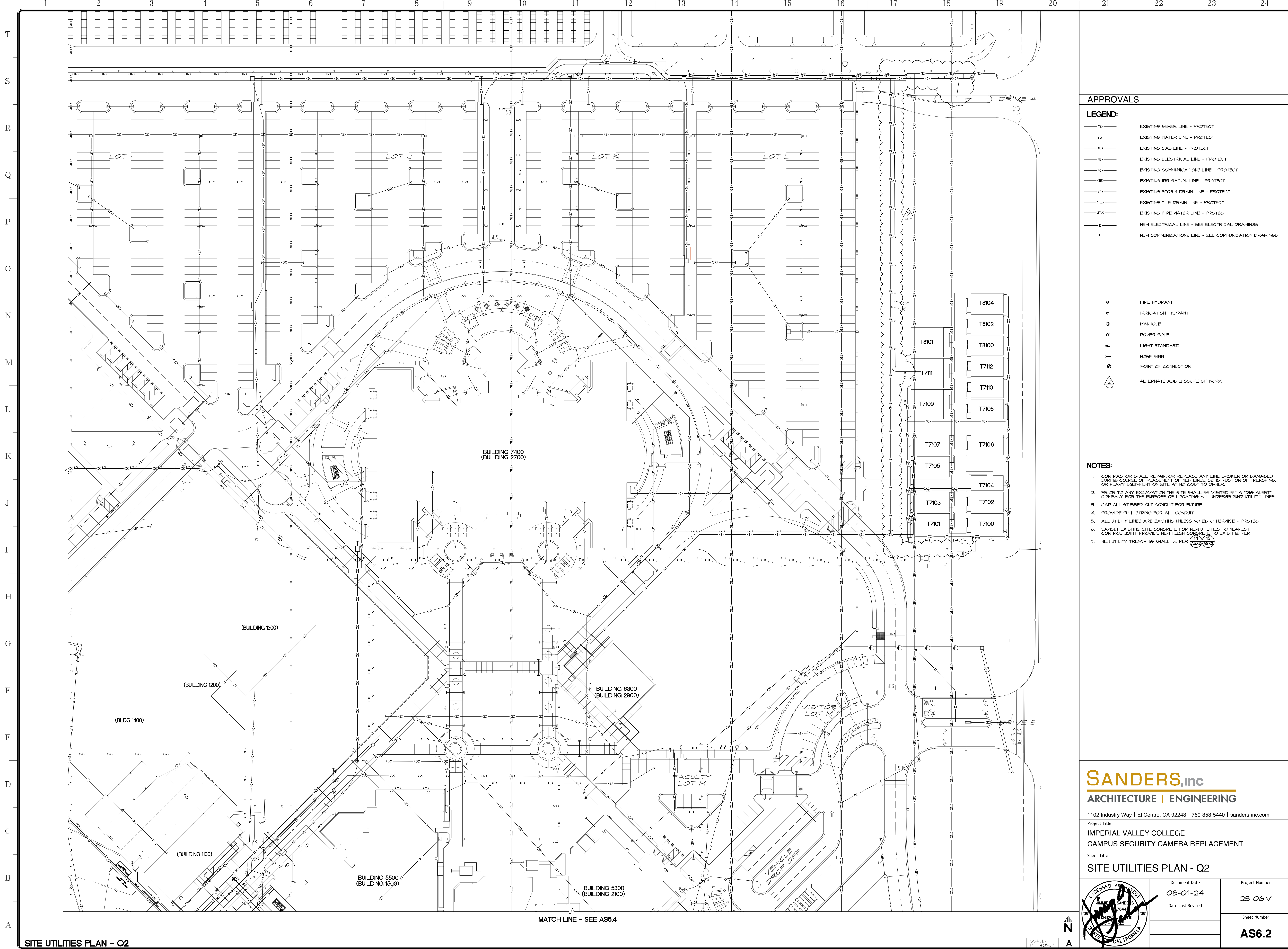
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Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT**

Sheet Title  
**HARDSCAPE Q-4**

	Document Date <b>08-01-24</b>	Project Number <b>23-061V</b>
	Date Last Revised	Sheet Number <b>AS5.4</b>





**APPROVALS**

**LEGEND:**

- (S) ——— EXISTING SEWER LINE - PROTECT
- (W) ——— EXISTING WATER LINE - PROTECT
- (G) ——— EXISTING GAS LINE - PROTECT
- (E) ——— EXISTING ELECTRICAL LINE - PROTECT
- (C) ——— EXISTING COMMUNICATIONS LINE - PROTECT
- (IR) ——— EXISTING IRRIGATION LINE - PROTECT
- (SD) ——— EXISTING STORM DRAIN LINE - PROTECT
- (TD) ——— EXISTING TILE DRAIN LINE - PROTECT
- (FV) ——— EXISTING FIRE WATER LINE - PROTECT
- (E) ——— NEW ELECTRICAL LINE - SEE ELECTRICAL DRAWINGS
- (C) ——— NEW COMMUNICATIONS LINE - SEE COMMUNICATION DRAWINGS

- FIRE HYDRANT
- IRRIGATION HYDRANT
- MANHOLE
- ⚡ POWER POLE
- ⊕ LIGHT STANDARD
- ⊕ HOSE BIBB
- ⊕ POINT OF CONNECTION
- ▲ ALTERNATE ADD 2 SCOPE OF WORK

**NOTES:**

1. CONTRACTOR SHALL REPAIR OR REPLACE ANY LINE BROKEN OR DAMAGED DURING COURSE OF PLACEMENT OF NEW LINES, CONSTRUCTION OF TRENCHING, OR HEAVY EQUIPMENT ON SITE AT NO COST TO OWNER.
2. PRIOR TO ANY EXCAVATION THE SITE SHALL BE VISITED BY A "DIG ALERT" COMPANY FOR THE PURPOSE OF LOCATING ALL UNDERGROUND UTILITY LINES.
3. CAP ALL STUBBED OUT CONDUIT FOR FUTURE.
4. PROVIDE PULL STRING FOR ALL CONDUIT.
5. ALL UTILITY LINES ARE EXISTING UNLESS NOTED OTHERWISE - PROTECT
6. SAWCUT EXISTING SITE CONCRETE FOR NEW UTILITIES TO NEAREST CONTROL JOINT, PROVIDE NEW FLUSH CONCRETE TO EXISTING PER 14Y 53
7. NEW UTILITY TRENCHING SHALL BE PER 14Y 53

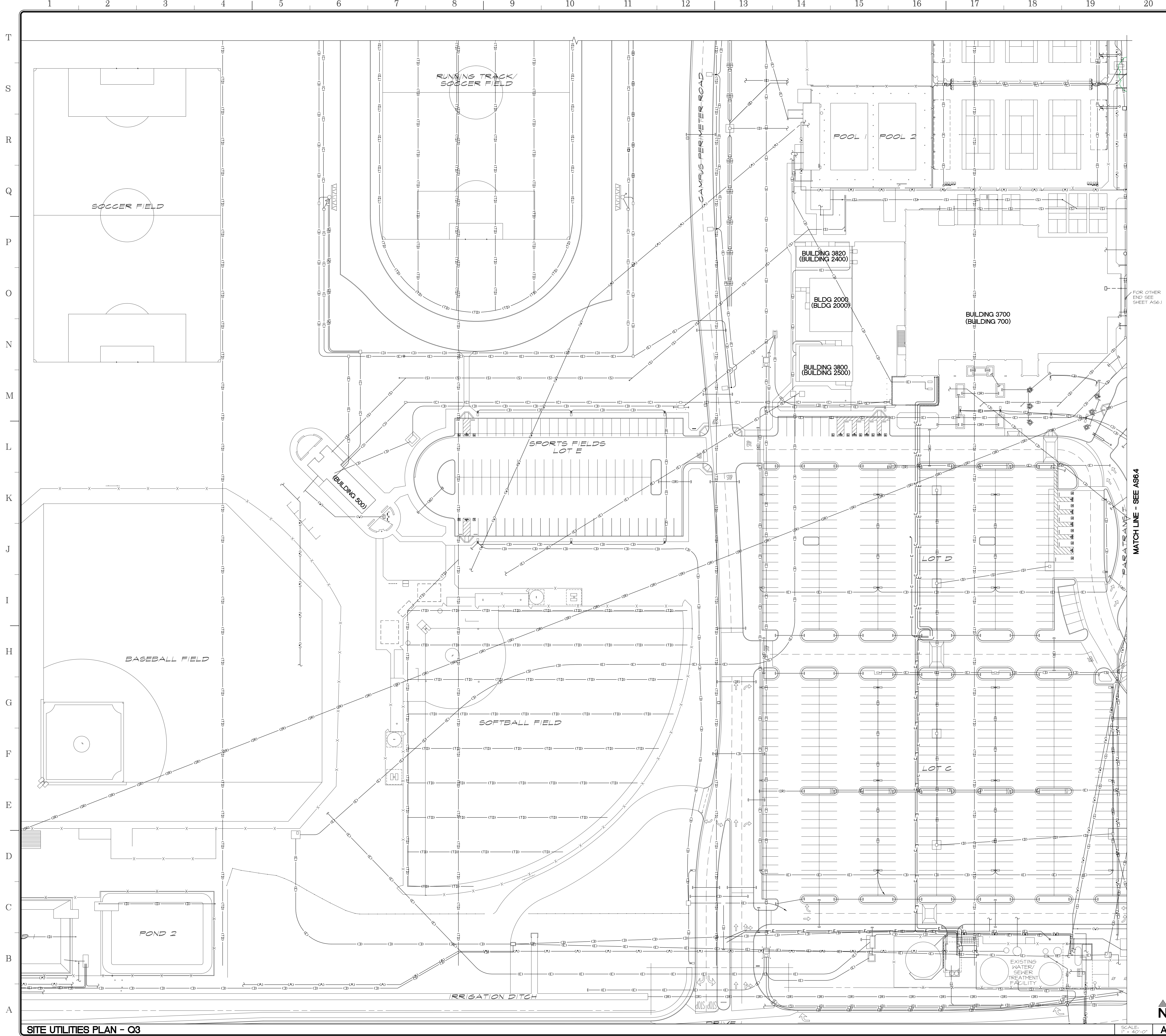
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Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT**

Sheet Title  
**SITE UTILITIES PLAN - Q2**

	Document Date	Project Number
	08-01-24	23-061V
	Date Last Revised	Sheet Number
		<b>AS6.2</b>



- APPROVALS**
- LEGEND:**
- (S) EXISTING SEWER LINE - PROTECT
  - (W) EXISTING WATER LINE - PROTECT
  - (G) EXISTING GAS LINE - PROTECT
  - (E) EXISTING ELECTRICAL LINE - PROTECT
  - (C) EXISTING COMMUNICATIONS LINE - PROTECT
  - (IR) EXISTING IRRIGATION LINE - PROTECT
  - (TD) EXISTING STORM DRAIN LINE - PROTECT
  - (FV) EXISTING TILE DRAIN LINE - PROTECT
  - (FV) EXISTING FIRE WATER LINE - PROTECT
  - E NEW ELECTRICAL LINE - SEE ELECTRICAL DRAWINGS
  - C NEW COMMUNICATIONS LINE - SEE COMMUNICATION DRAWINGS

- FIRE HYDRANT
- IRRIGATION HYDRANT
- MANHOLE
- ⚡ POWER POLE
- ⊕ LIGHT STANDARD
- ⊕ HOSE BIBB
- ⊕ POINT OF CONNECTION

- NOTES:**
1. CONTRACTOR SHALL REPAIR OR REPLACE ANY LINE BROKEN OR DAMAGED DURING COURSE OF PLACEMENT OF NEW LINES, CONSTRUCTION OF TRENCHING, OR HEAVY EQUIPMENT ON SITE AT NO COST TO OWNER.
  2. PRIOR TO ANY EXCAVATION THE SITE SHALL BE VISITED BY A "DIG ALERT" COMPANY FOR THE PURPOSE OF LOCATING ALL UNDERGROUND UTILITY LINES.
  3. CAP ALL STUBBED OUT CONDUIT FOR FUTURE.
  4. PROVIDE PULL STRINGS FOR ALL CONDUIT.
  5. ALL UTILITY LINES ARE EXISTING UNLESS NOTED OTHERWISE - PROTECT
  6. SAWCUT EXISTING SITE CONCRETE FOR NEW UTILITIES TO NEAREST CONTROL JOINT, PROVIDE NEW FLUSH CONCRETE TO EXISTING PER 14Y 51
  7. NEW UTILITY TRENCHING SHALL BE PER 14Y 51

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Project Title  
**IMPERIAL VALLEY COLLEGE  
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Sheet Title  
**SITE UTILITIES PLAN - Q3**

	Document Date <b>08-01-24</b>	Project Number <b>23-061V</b>
	Date Last Revised	Sheet Number <b>AS6.3</b>

**SITE UTILITIES PLAN - Q3**

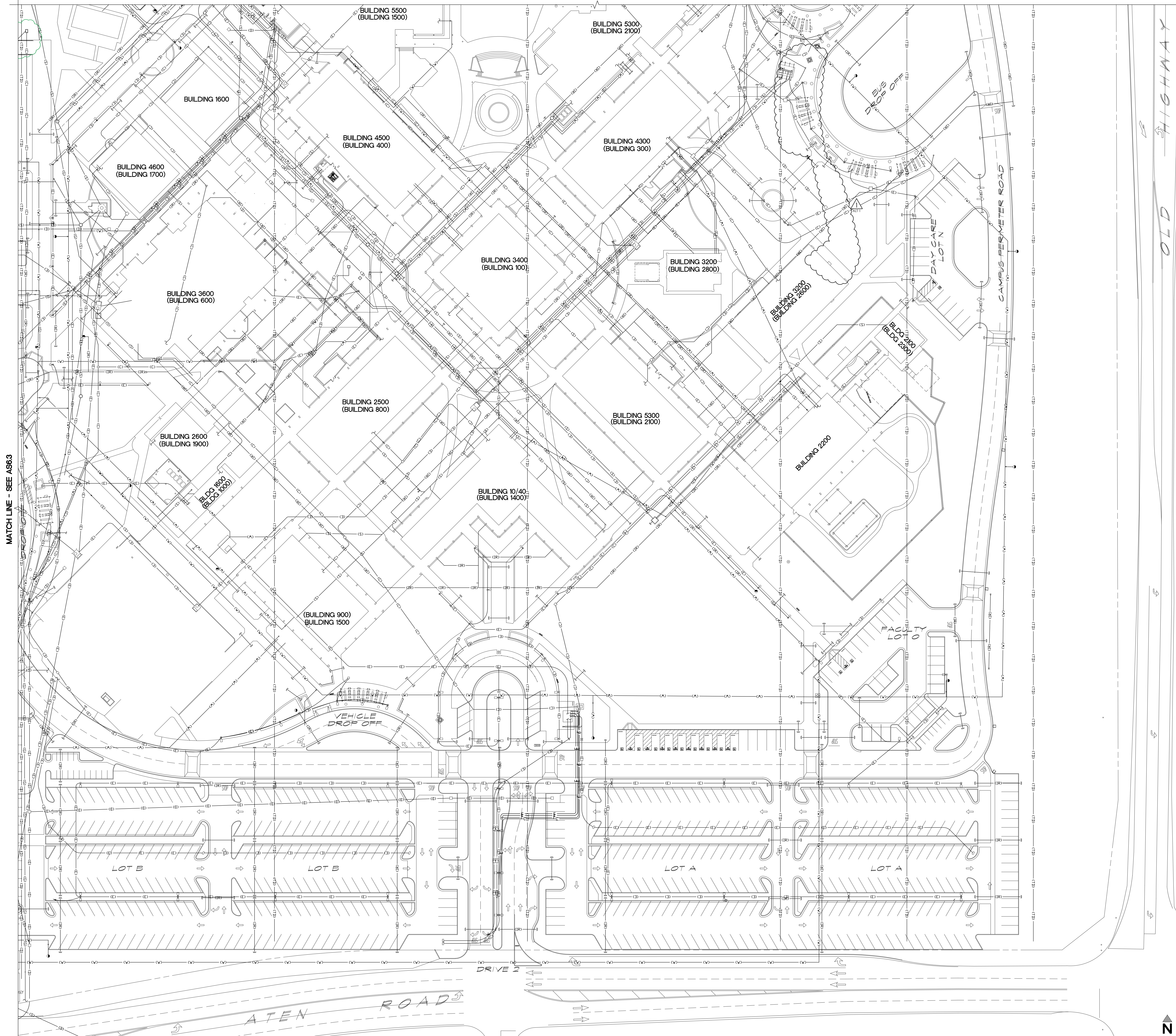
SCALE:  
 1" = 40'-0"



MATCH LINE - SEE AS64

FOR OTHER  
 END SEE  
 SHEET AS61

MATCH LINE - SEE AS6.2



APPROVALS

LEGEND:

- (S) EXISTING SEWER LINE - PROTECT
- (W) EXISTING WATER LINE - PROTECT
- (G) EXISTING GAS LINE - PROTECT
- (E) EXISTING ELECTRICAL LINE - PROTECT
- (C) EXISTING COMMUNICATIONS LINE - PROTECT
- (IR) EXISTING IRRIGATION LINE - PROTECT
- (SD) EXISTING STORM DRAIN LINE - PROTECT
- (TD) EXISTING TILE DRAIN LINE - PROTECT
- (FV) EXISTING FIRE WATER LINE - PROTECT
- (E) NEW ELECTRICAL LINE - SEE ELECTRICAL DRAWINGS
- (C) NEW COMMUNICATIONS LINE - SEE COMMUNICATION DRAWINGS

- FIRE HYDRANT
- IRRIGATION HYDRANT
- MANHOLE
- ⚡ POWER POLE
- ⊙ LIGHT STANDARD
- ⊕ HOSE BIBB
- ⊙ POINT OF CONNECTION
- △ ALTERNATE ADD 1 SCOPE OF WORK

NOTES:

1. CONTRACTOR SHALL REPAIR OR REPLACE ANY LINE BROKEN OR DAMAGED DURING COURSE OF PLACEMENT OF NEW LINES, CONSTRUCTION OF TRENCHING, OR HEAVY EQUIPMENT ON SITE AT NO COST TO OWNER.
2. PRIOR TO ANY EXCAVATION THE SITE SHALL BE VISITED BY A "DIG ALERT" COMPANY FOR THE PURPOSE OF LOCATING ALL UNDERGROUND UTILITY LINES.
3. CAP ALL STUBBED OUT CONDUIT FOR FUTURE.
4. PROVIDE PULL STRING FOR ALL CONDUIT.
5. ALL UTILITY LINES ARE EXISTING UNLESS NOTED OTHERWISE - PROTECT
6. SAWCUT EXISTING SITE CONCRETE FOR NEW UTILITIES TO NEAREST CONTROL JOINT, PROVIDE NEW FLUSH CONCRETE TO EXISTING PER 14 Y 15
7. NEW UTILITY TRENCHING SHALL BE PER AS37.2832

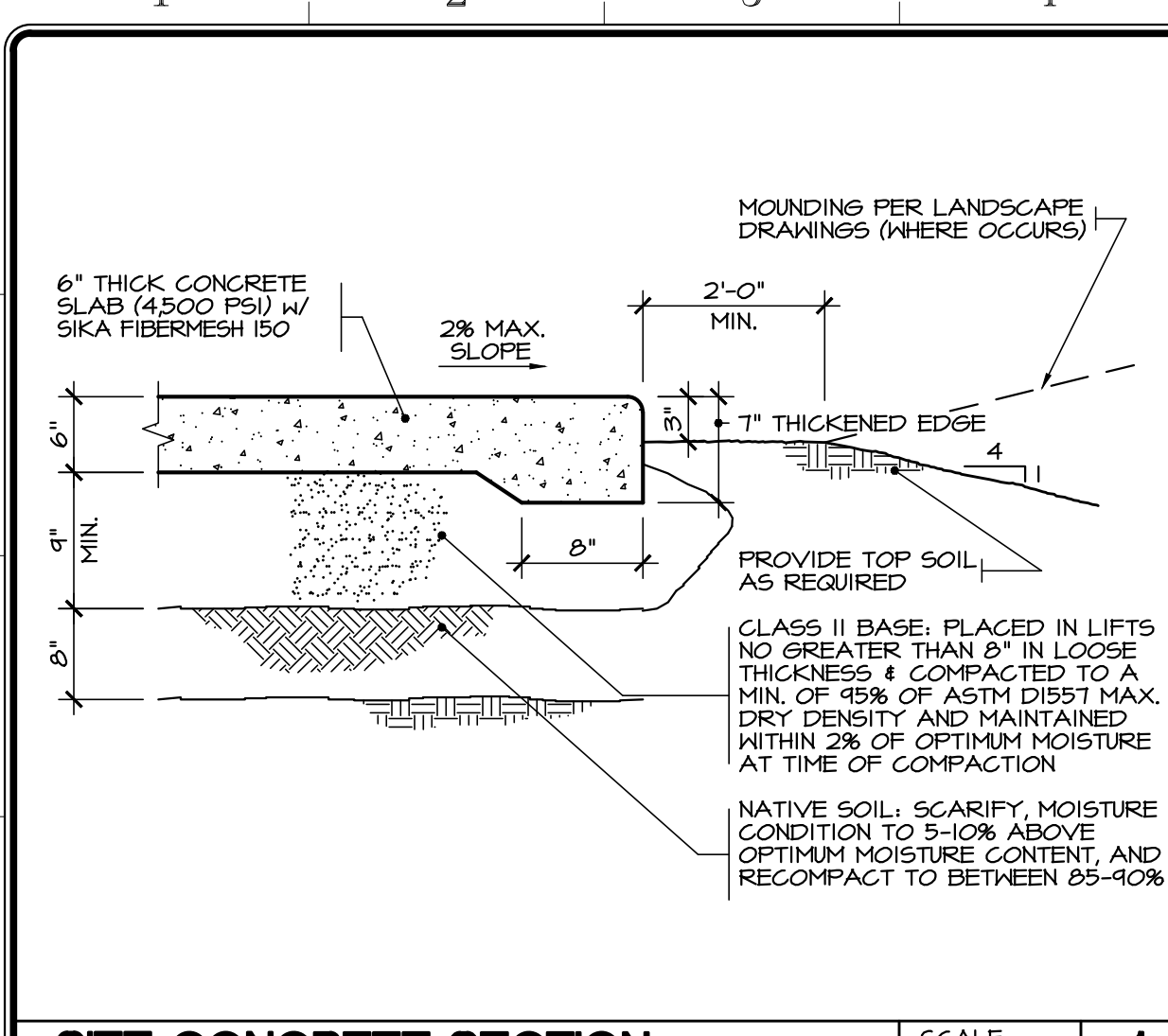
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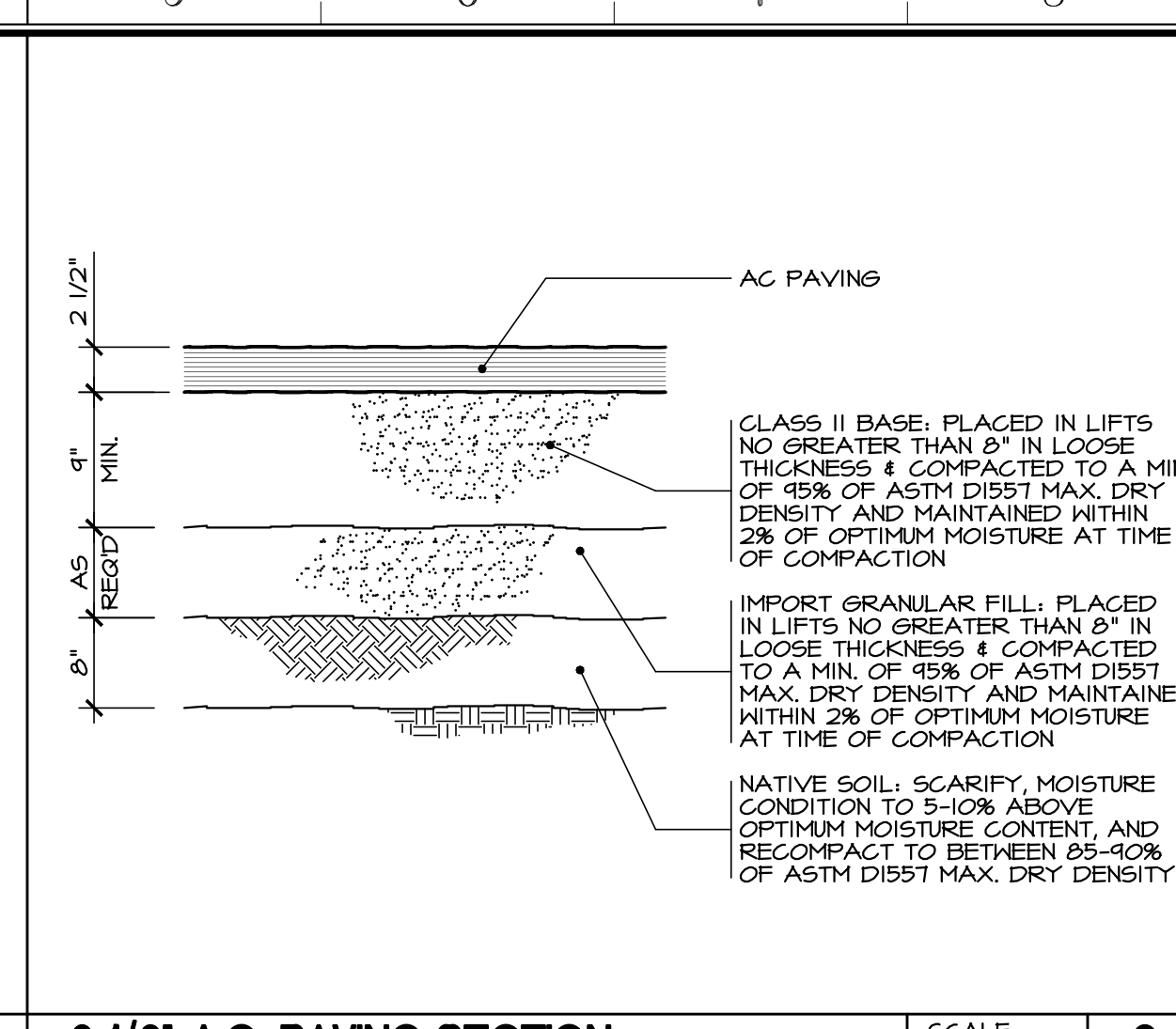
Project Title  
 IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT

Sheet Title  
 SITE UTILITIES PLAN - Q4

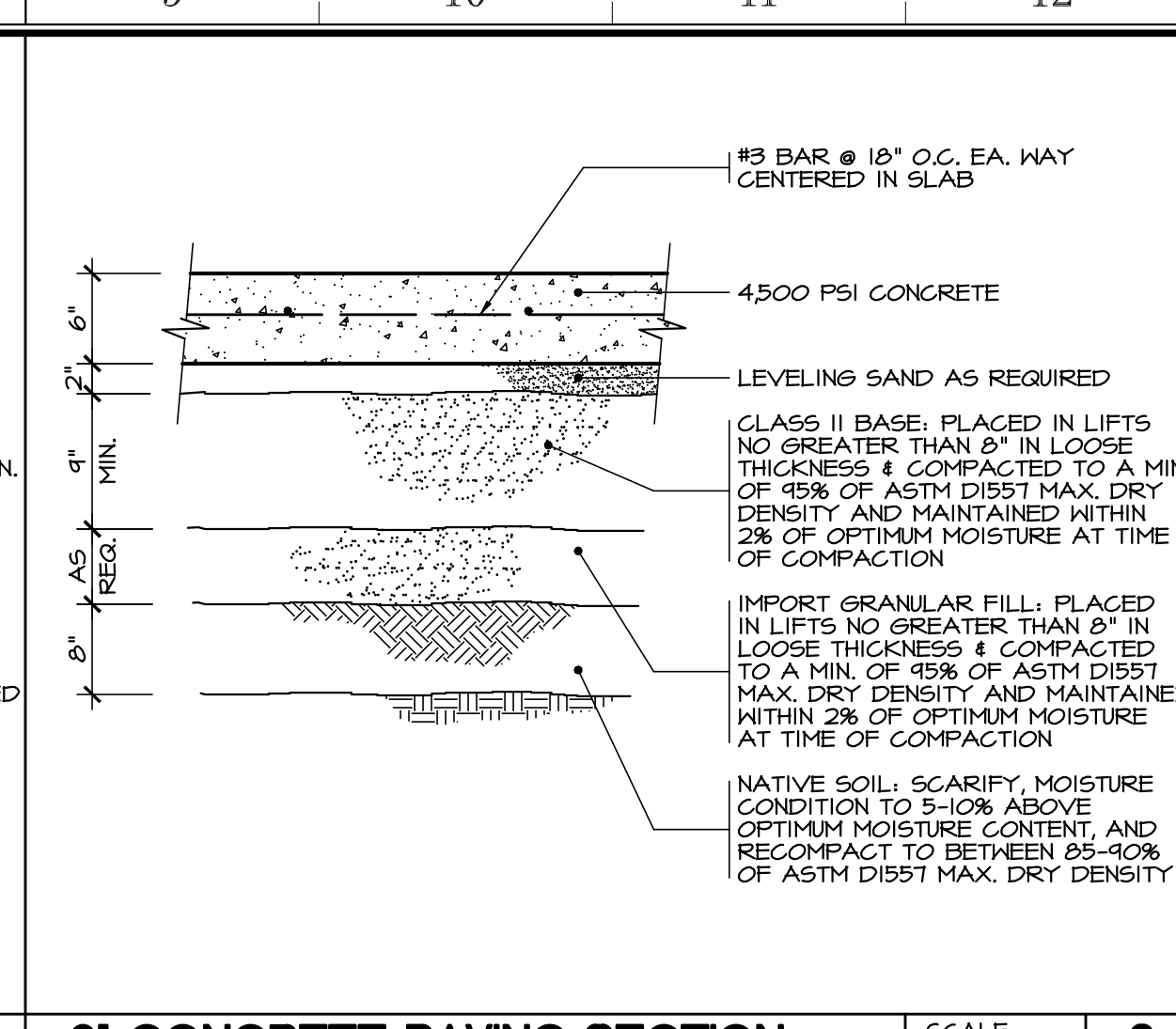
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	08-01-24	23-01V
Date Last Revised	Sheet Number	
	AS6.4	



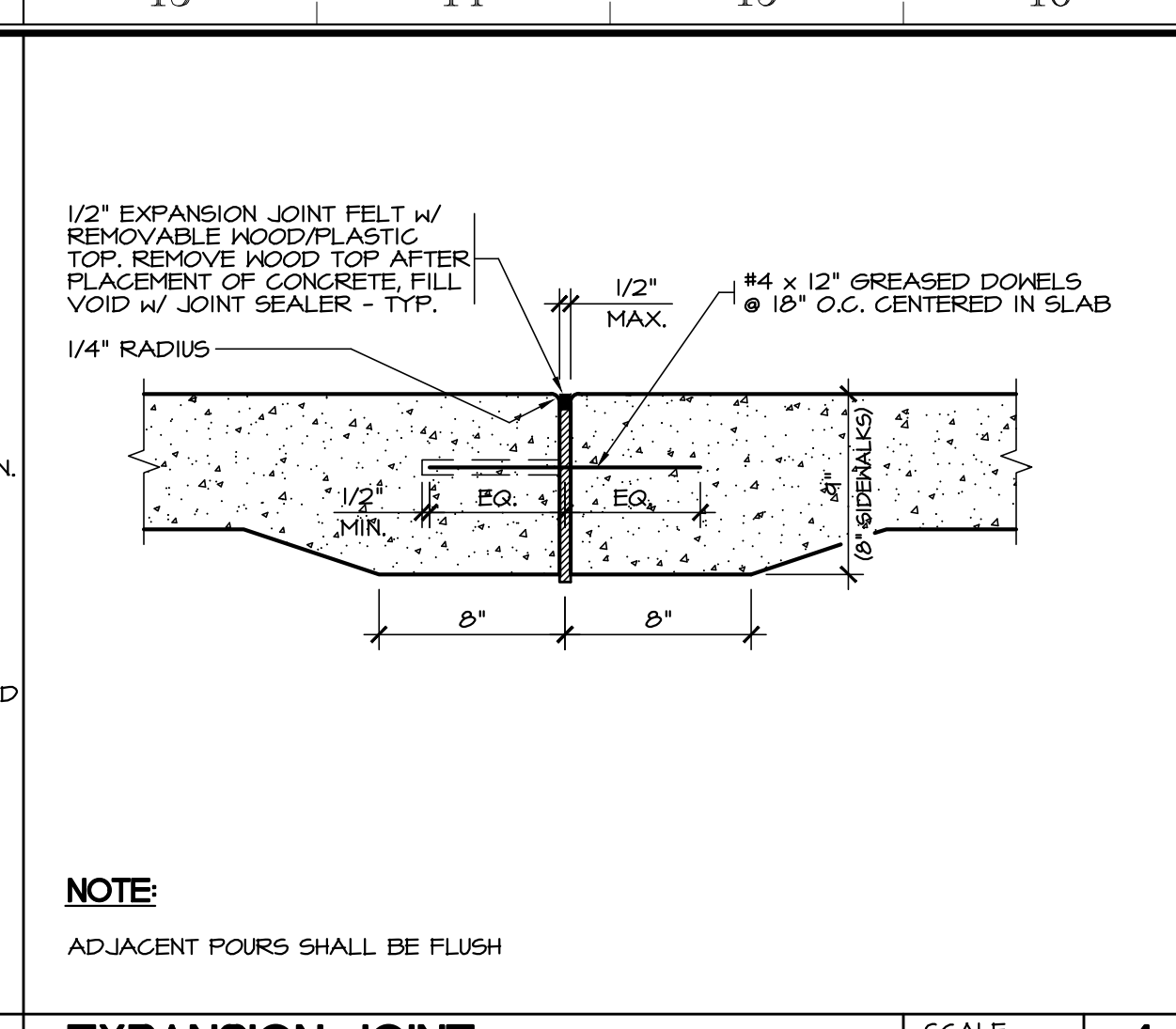
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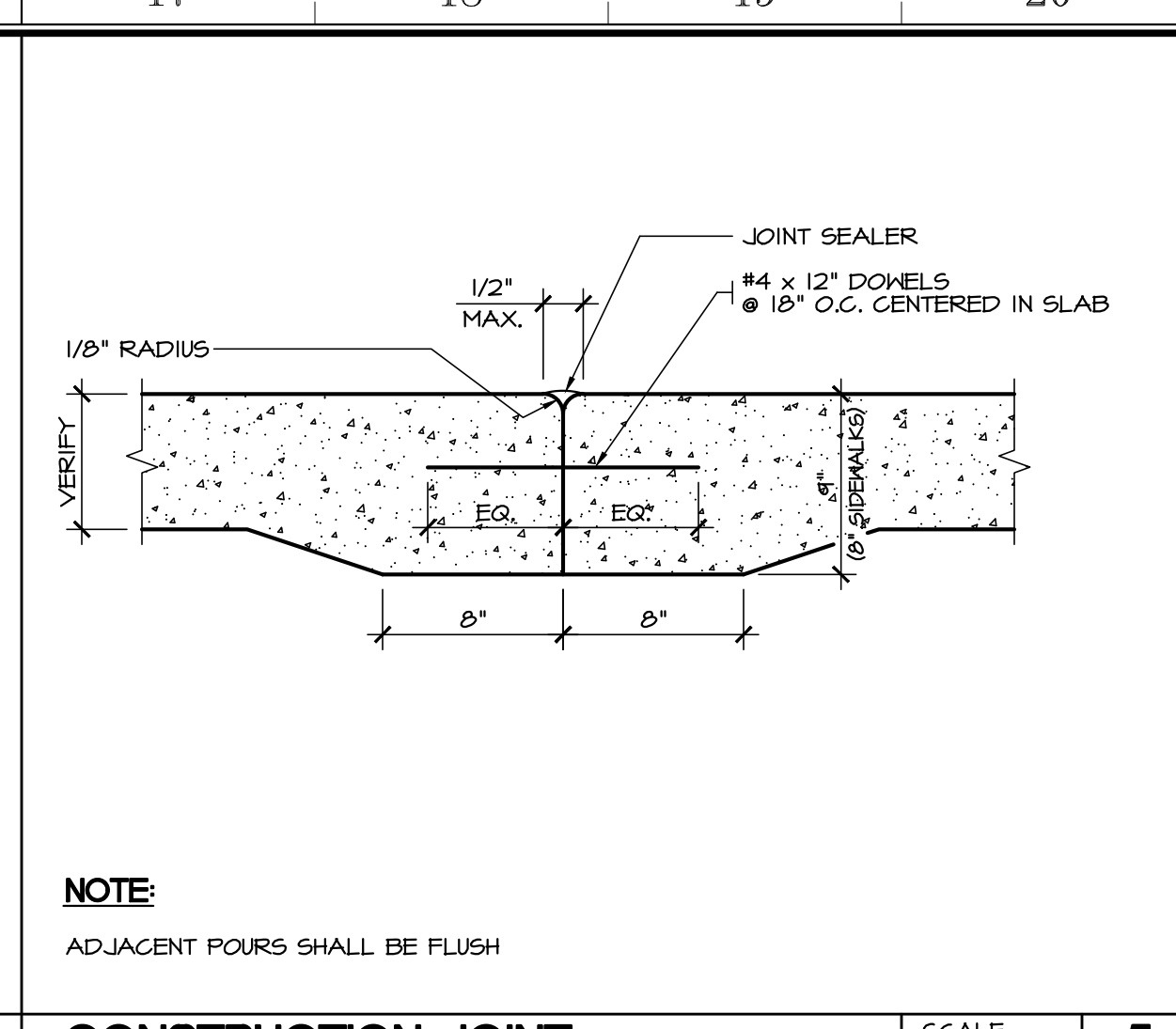
**2 1/2" A.C. PAVING SECTION** SCALE: 1" = 1'-0" 2



**6\"/>**

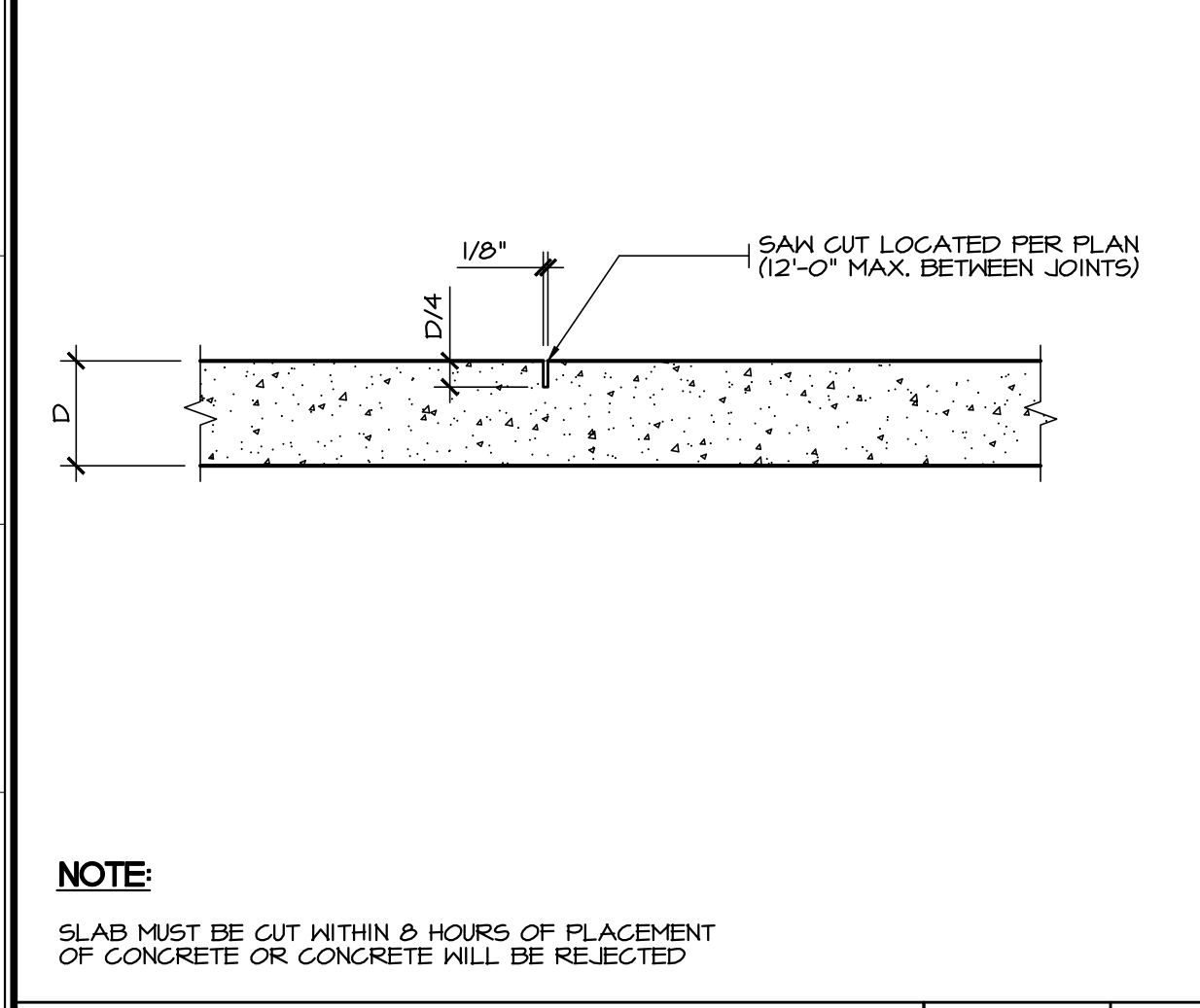


**EXPANSION JOINT** SCALE: 1/2" = 1'-0" 4

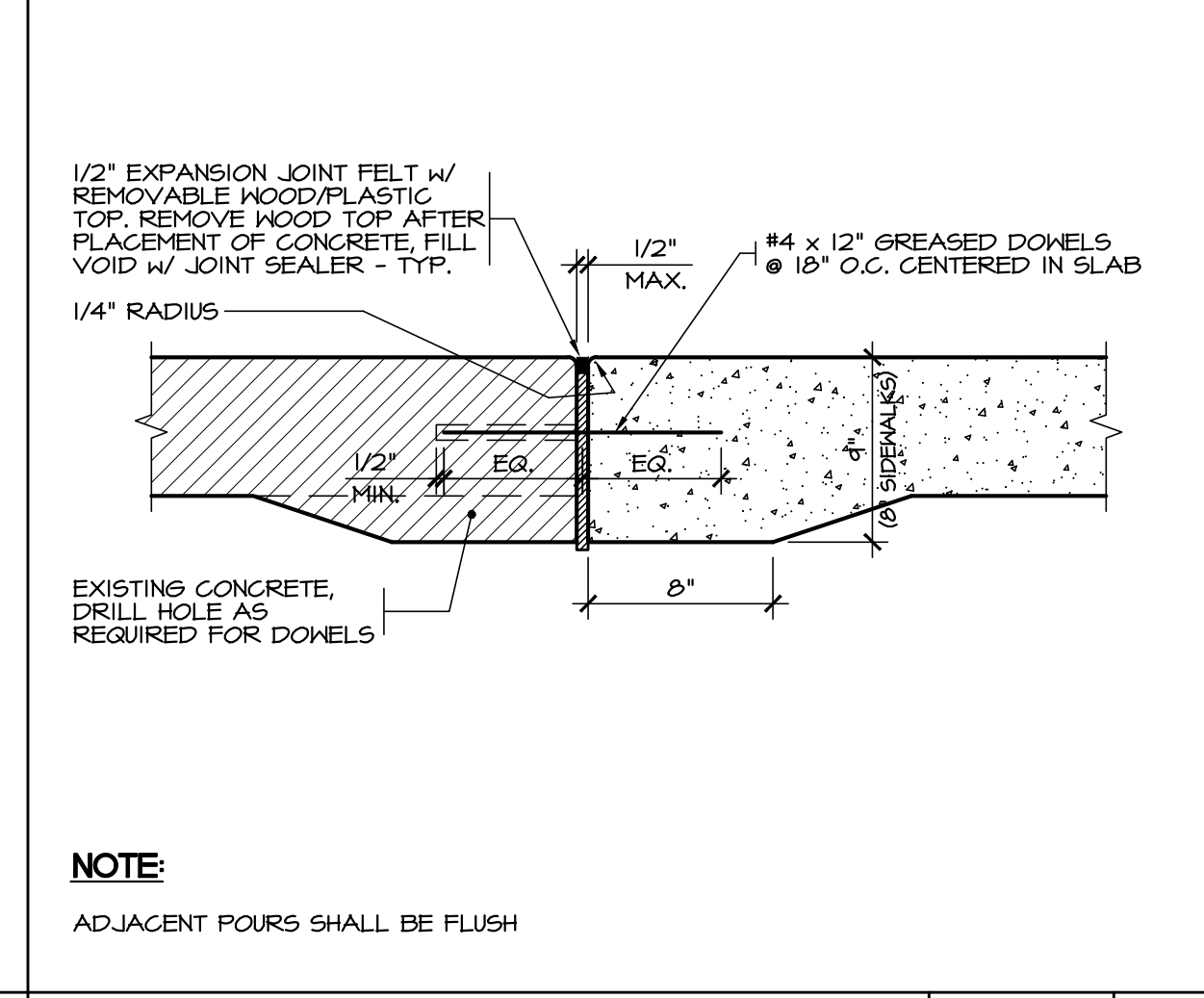


**CONSTRUCTION JOINT** SCALE: 1/2" = 1'-0" 5

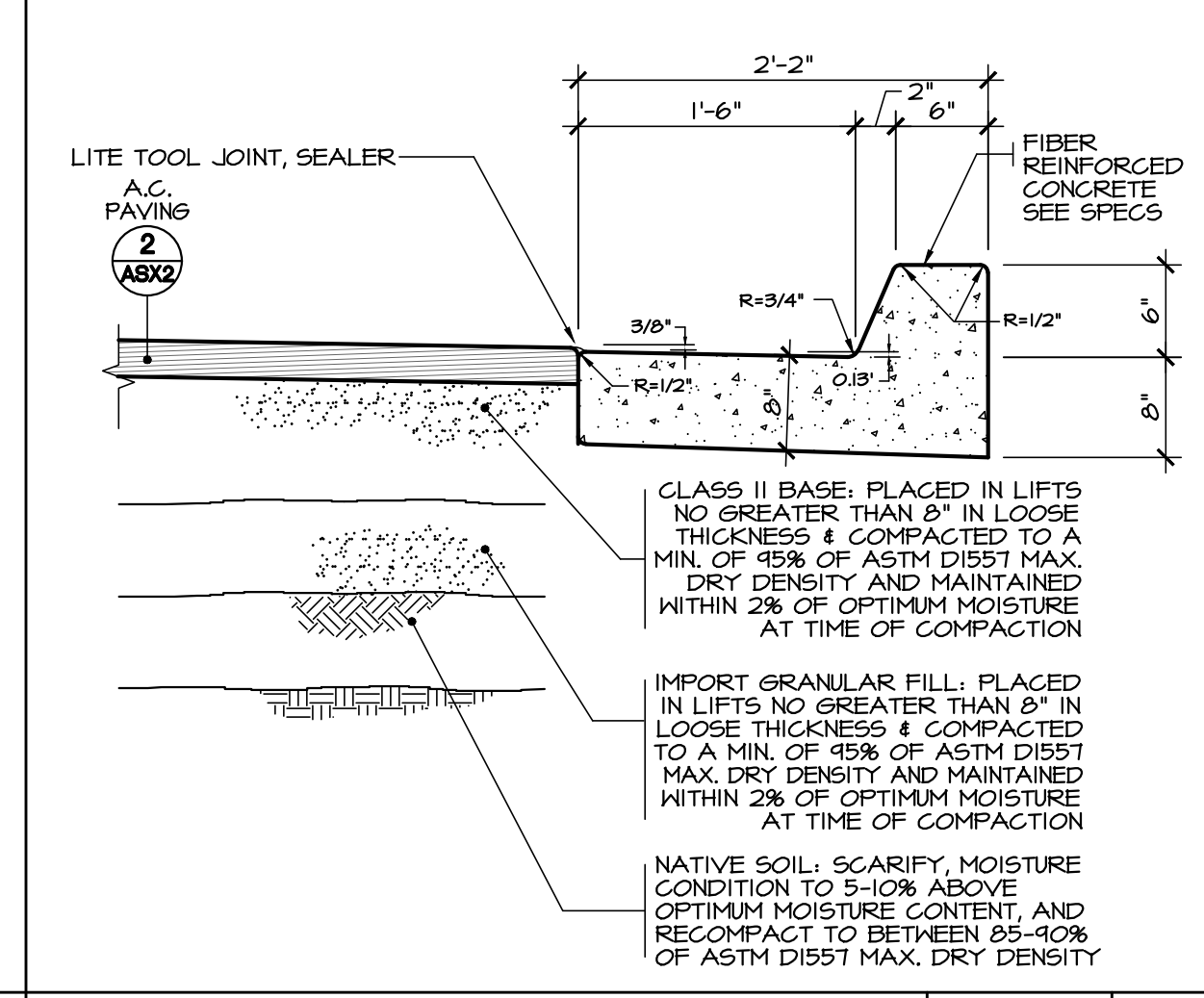
APPROVALS



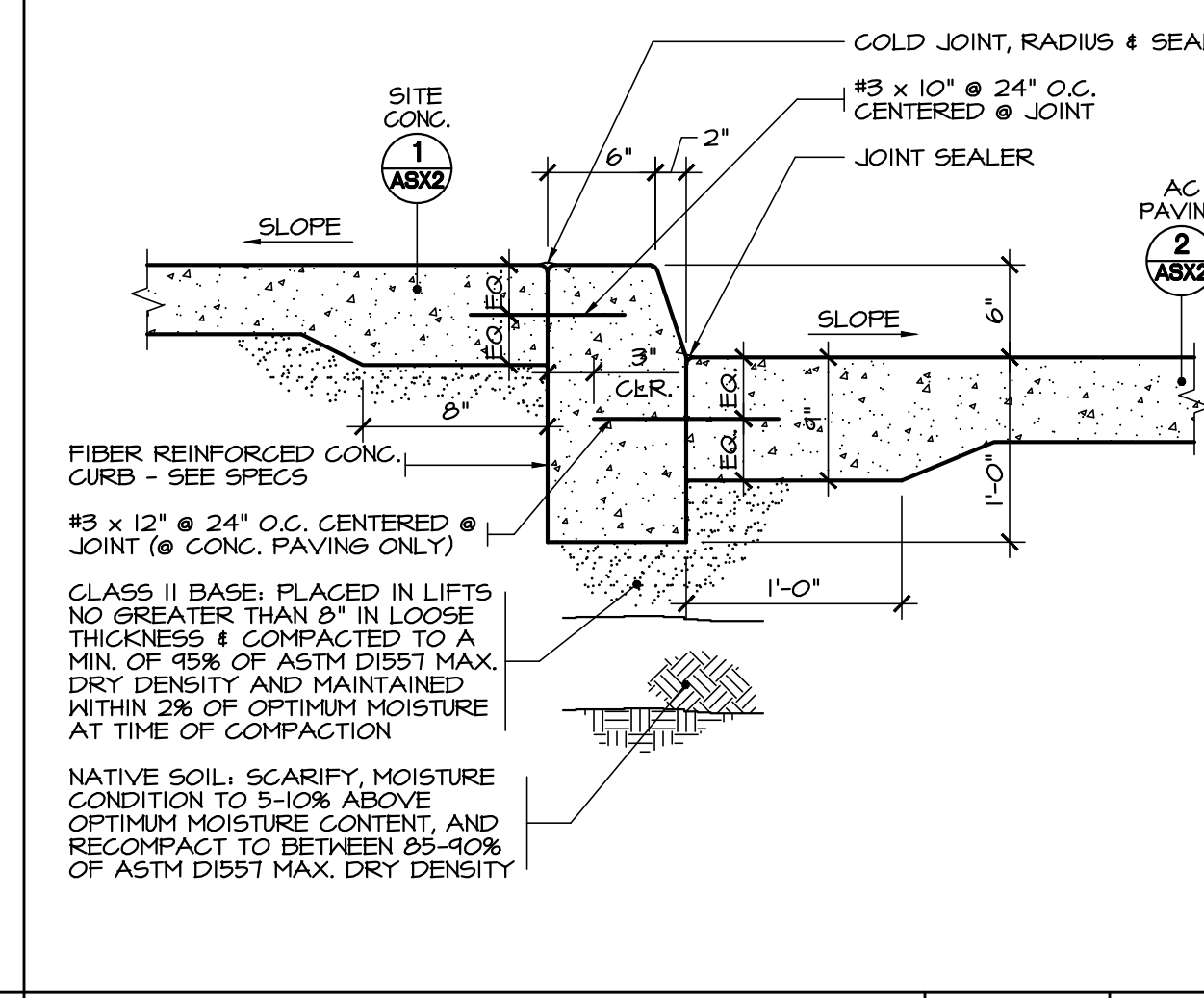
**CONTROL JOINT, SAW CUT** SCALE: 1/2" = 1'-0" 6



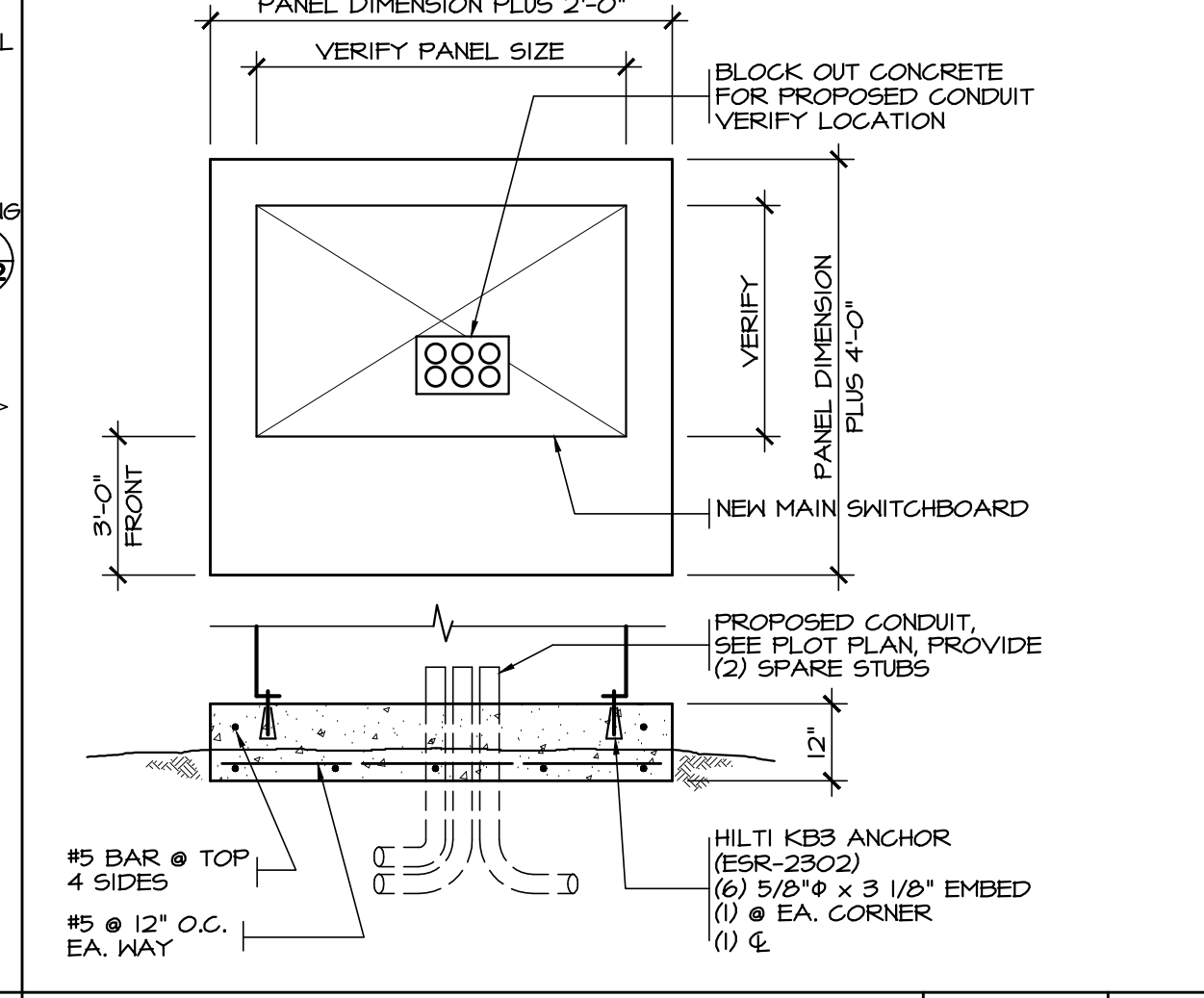
**NEW TO EXISTING CONCRETE** SCALE: 1/2" = 1'-0" 7



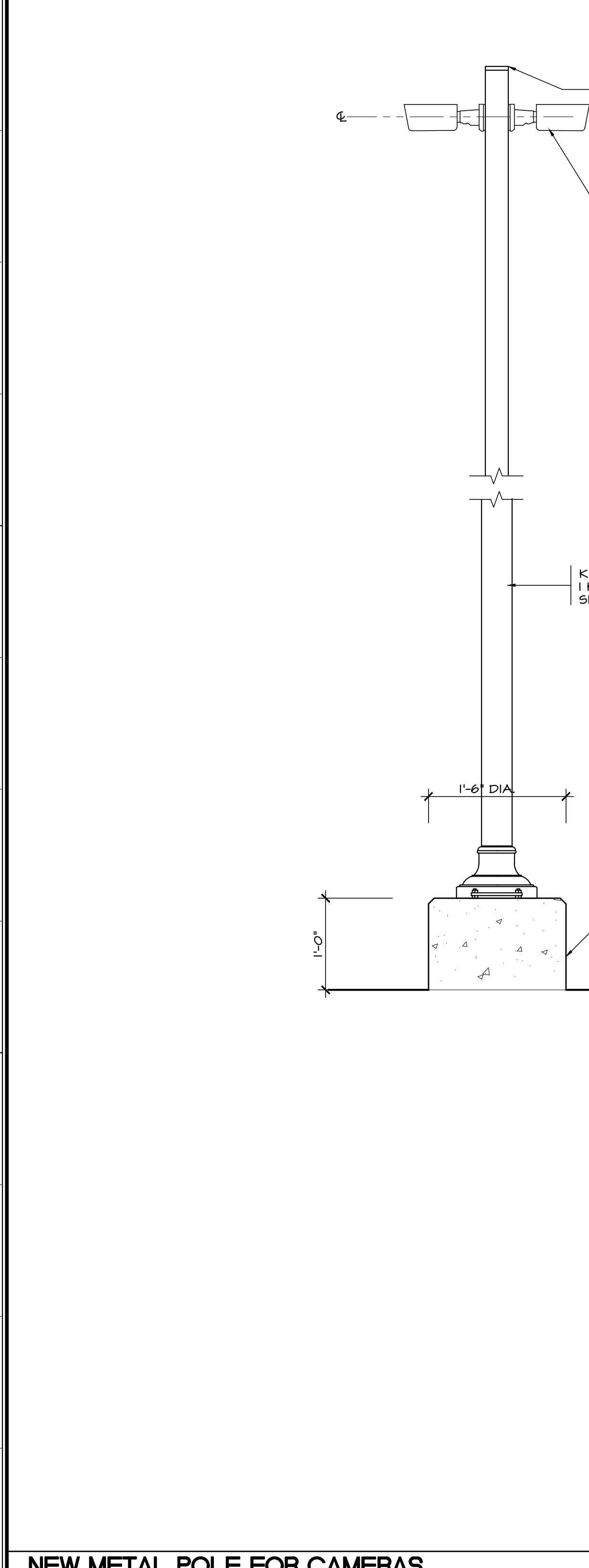
**CURB AND GUTTER** SCALE: 1" = 1'-0" 8



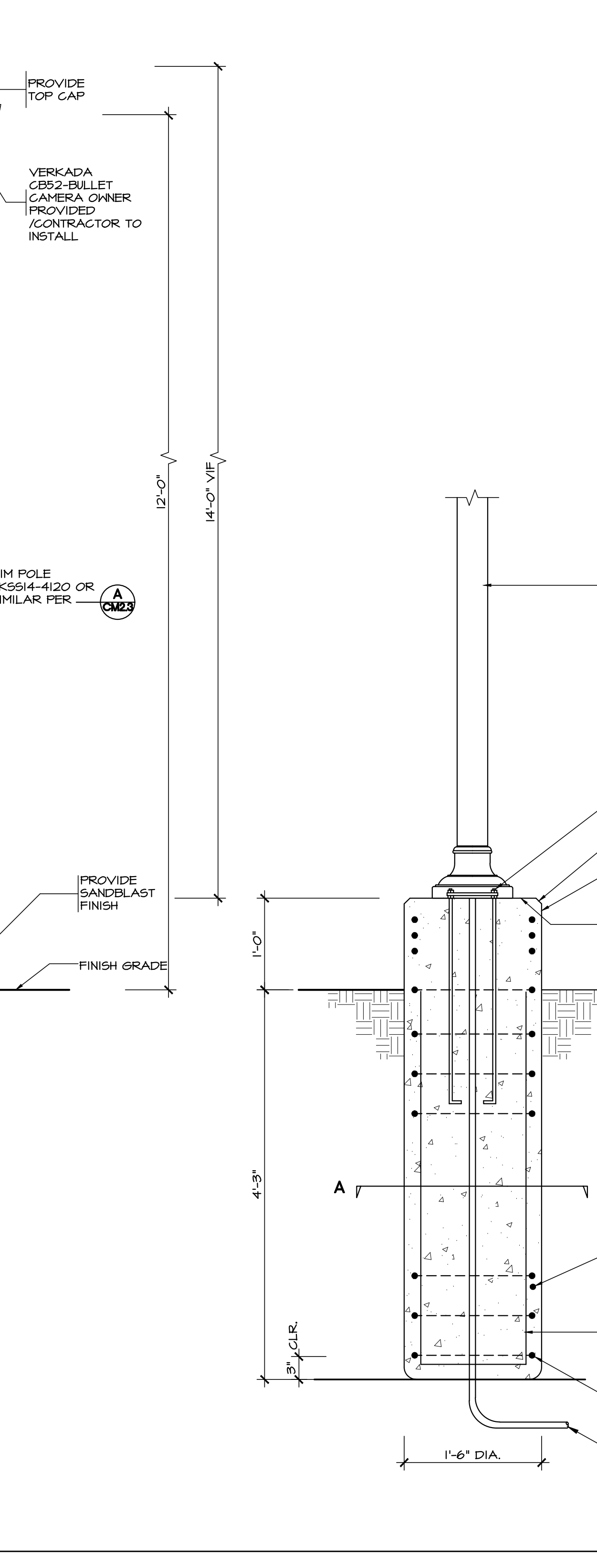
**SIDEWALK TO PAVING** SCALE: 1" = 1'-0" 9



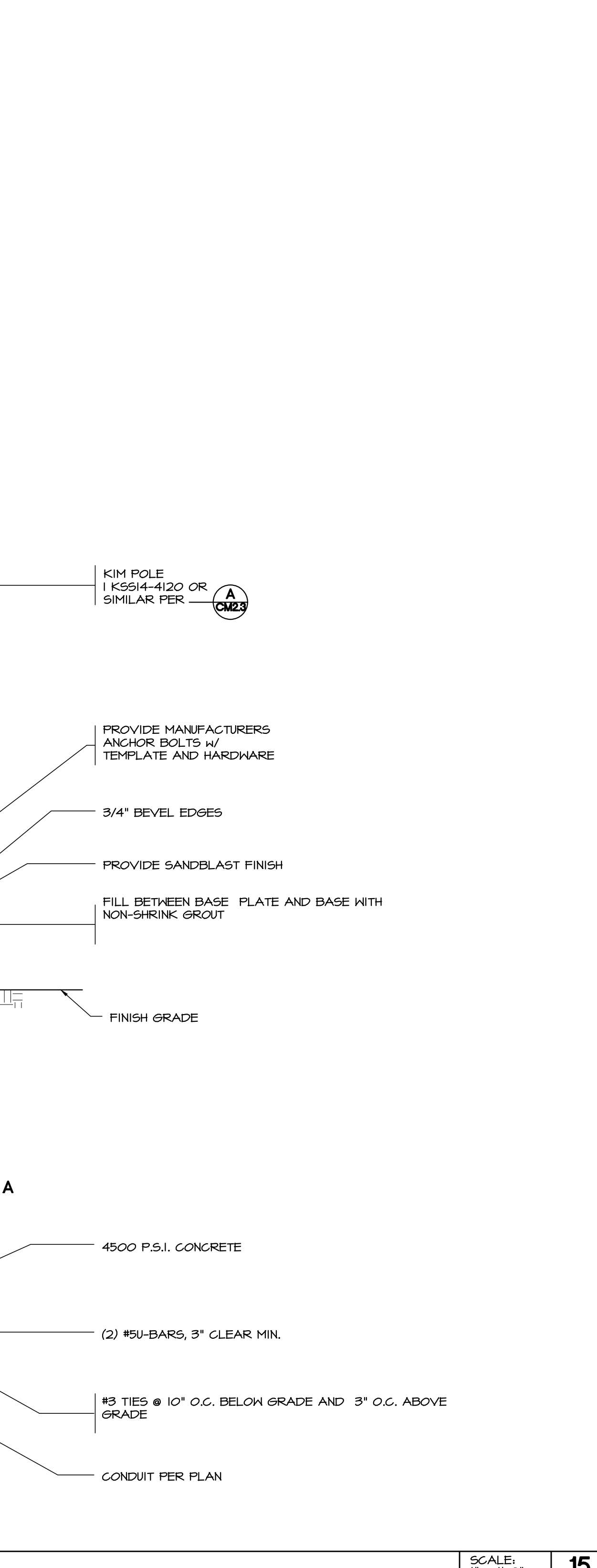
**PAD MOUNT ELEC. SERVICE PANEL** SCALE: 1/2" = 1'-0" 10



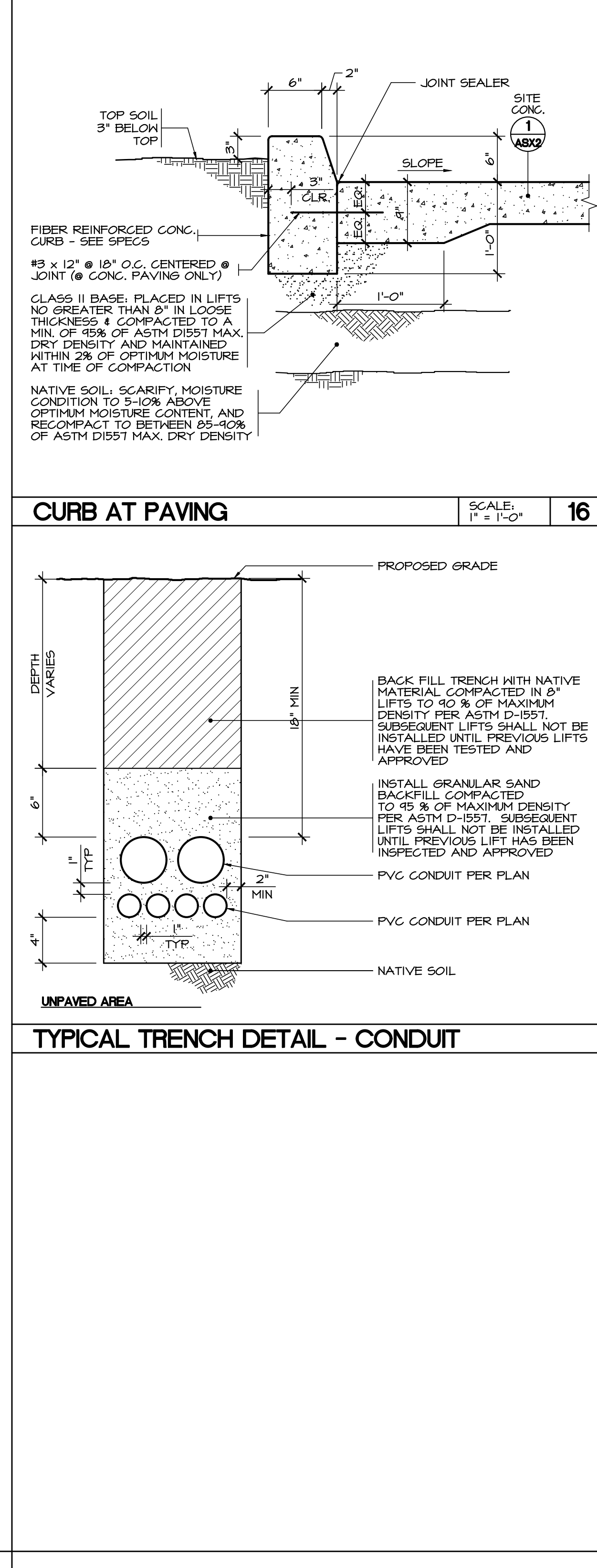
**NEW METAL POLE FOR CAMERAS** SCALE: 1" = 1'-0" 15



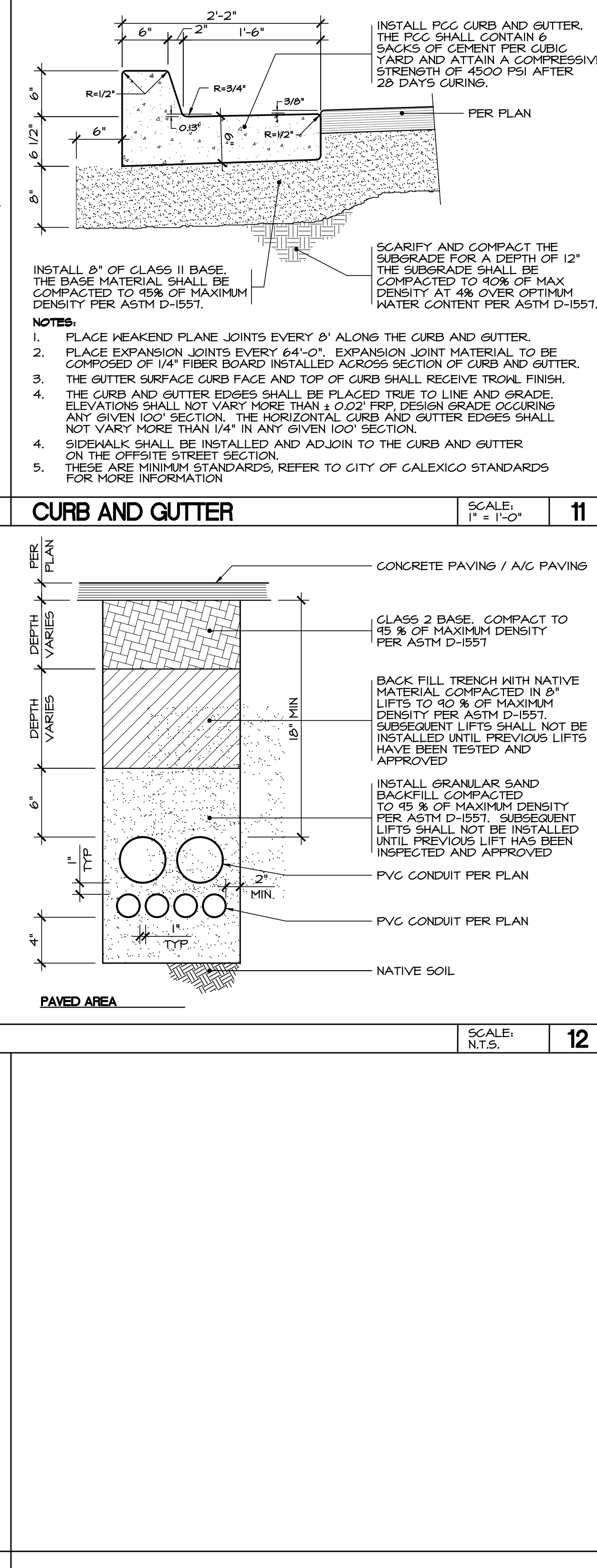
**CURB AT PAVING** SCALE: 1" = 1'-0" 16



**CURB AND GUTTER** SCALE: 1" = 1'-0" 11



**TYPICAL TRENCH DETAIL - CONDUIT** SCALE: N.T.S. 12



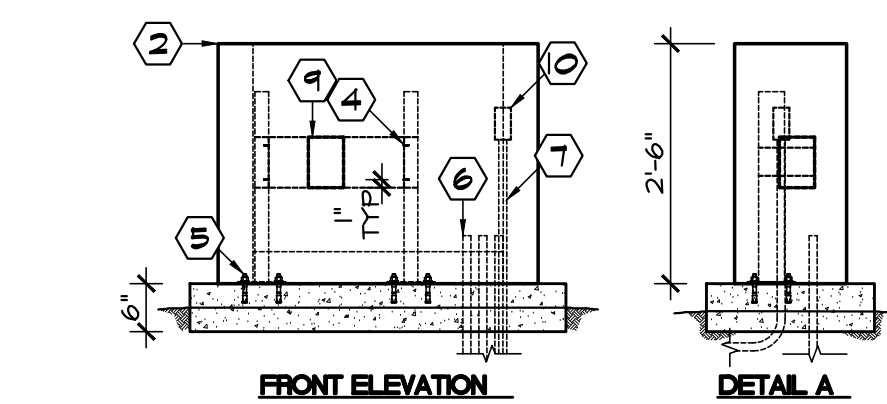
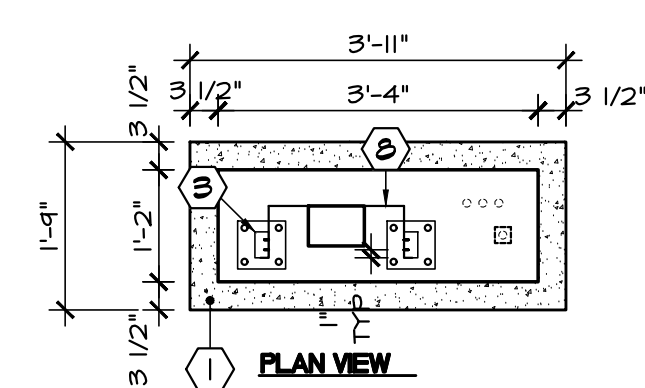
**TYPICAL TRENCH DETAIL - CONDUIT** SCALE: N.T.S. 12

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Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT**

Sheet Title  
**TYPICAL SITE DETAILS**

Document Date 08-01-24	Project Number 23-061V
Date Last Revised	Sheet Number <b>ASX2</b>



**KEYNOTES:**

- ① PROVIDE 6" THICK CONCRETE SLAB (4500 PSI) w/ SICA FIBERMESH 150
- ② SWITCH BOX SAFE-T-COVER 100SN-AL - ANCHOR PER MANUF. REQ'S
- ③ PROVIDE PS 100 EH INSTRUT w/ PS 2073A SQ BASE
- ④ (4) #10 X 1" SELF DRILLING SCREWS, (2) AT TOP AND (2) AT BOTTOM
- ⑤ (4) 3/8" X 1/2" EMBED HILTI KB-TZ (ESR-4266)
- ⑥ PROVIDE (3) 1" CONDUIT, (2) FOR COMM. COPER WIRE, (1) SPARE - STUB UP
- ⑦ PROVIDE (1) 1" CONDUIT FOR PEDESTAL RECEPTACLE
- ⑧ RACK MOUNT DIN RAIL BRACKET
- ⑨ RUCKUS RUGGEDIZED SWITCH - 8200-C08ZP
- ⑩ PEDESTAL MOUNTED DUPLEX RECEPTACLE MANUF. HUBBELL#5A6606 w/ STAINLESS STEEL COVERPLATES

ENCLOSURE MODEL: 100SN-AL  
 JOB: ----  
 DRAWN BY: MTP SCALE: NONE DATE: 4/3/18

**ELEVATION VIEW**

**PLAN VIEW**

1. DRAWING NOT TO SCALE.  
 2. ALL DIMENSIONS ARE IN INCHES.  
 3. ALL OPENINGS ARE IN INCHES. (GASKETS INCLUDED)  
 4. WALL AND INSULATION THICKNESS IS 1/2".  
 5. ROOF AND INSULATION THICKNESS IS 3".

6. MODEL 100SN-AL ENCLOSURE SHEET 1 OF 1

7. MANUFACTURED BY SAFET-COVER  
 8. CONCRETE PAD @ 21"W x 47"L x 4"H  
 9. BFP - ----

CONFIDENTIAL: THIS DRAWING IS INTENDED FOR USE ONLY BY THOSE AUTHORIZED TO RECEIVE IT. DISSEMINATION, DISTRIBUTION OR COPY OF THIS INFORMATION IS STRICTLY PROHIBITED. US PATENT 5,609,784

**SAFET-COVER**  
 ENCLOSURES DESIGNED FOR THE WORLD'S WATER SYSTEMS™

**Specification Submittal Sheet**  
 Series 75/100/200/300/400 SN  
 Insulated Enclosures

**Materials**

- Roof, walls, drain flap - 5052-H32 marine grade aluminum (50518 gauge), mill finish, ASTM B209 outside
- Drain flap hinge and spring - stainless steel
- Insulation 1.5" (9 R value) minimum thickness polyisocyanurate foam laminated to a glass fiber reinforced facer (each side)
- Mounting hardware - 5052-H32 marine grade aluminum
- Masonry fasteners - stud type Powers SD1 wedge anchors

**Standards**

- ASSE 1060
- ASTM B209

**Advantages**

- Fast and simple installation, no special tools required
- Durable
- Lockable

**Heating Required**

Yes - see separate specification submittal sheet  
 No

**Dimensions and Weights**

Model	Inside Dimensions	Concrete Pad	Weight	Drain Opening
75SN-AL	9" X 28" X 25"	16" X 33" X 4"	54#	14 1/2" X 4 1/2"
100SN-AL	14" X 40" X 30"	21" X 47" X 4"	75#	31 1/2" X 4"
100SNT-AL	15" X 32" X 38"	22" X 39" X 4"	95#	23 1/2" X 5 1/2"
200SN-AL	19" X 48" X 38"	28" X 53" X 4"	152#	37 1/2" X 5 1/2"
300SN-AL	24" X 60" X 44 1/2"	38" X 74" X 6"	186#	51" X 5 1/2"
400SN-AL	27" X 78" X 57"	41" X 92" X 6"	215#	45 1/2" X 5 1/2"

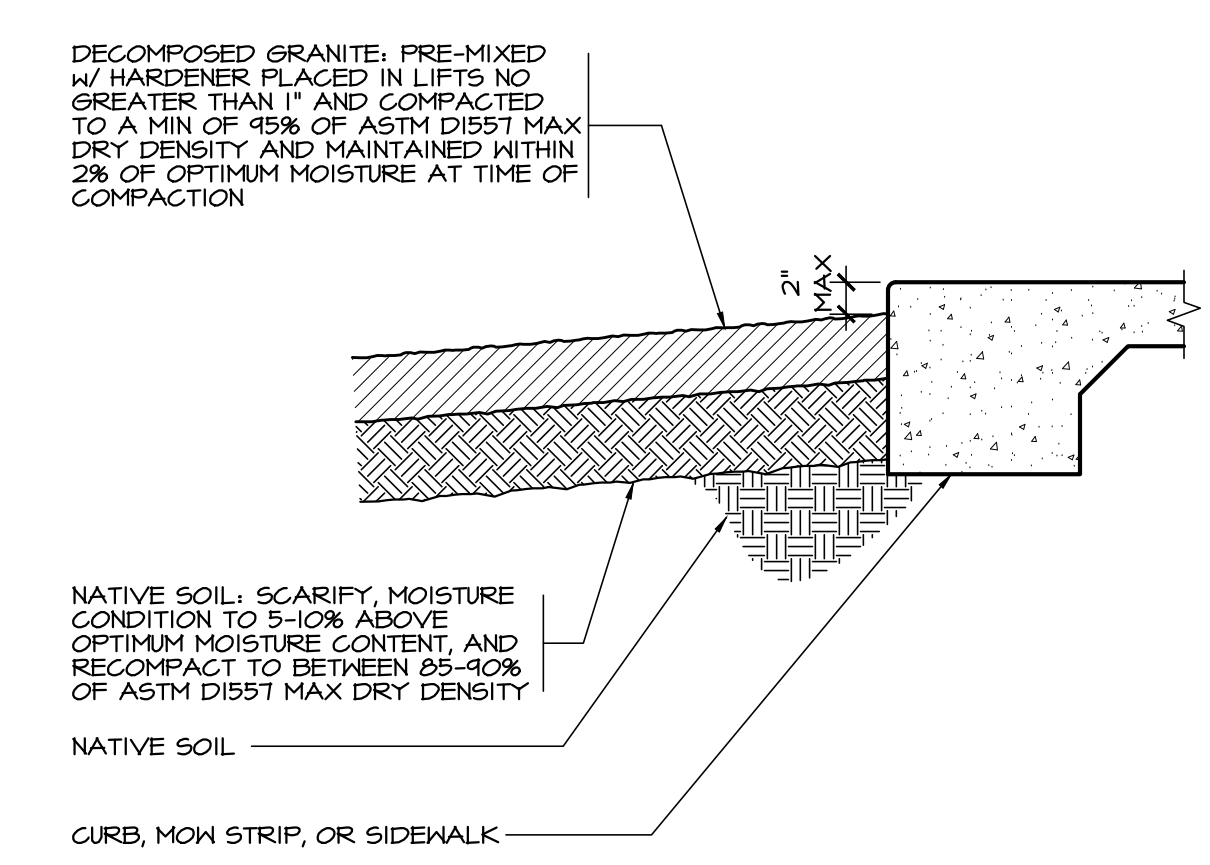
The 100SNT-AL and the 200SN-AL models are developed to meet the New York 30" centerline specifications.

**Specifications**

A freeze and vandal protective enclosure shall be installed over above ground plumbing systems. The enclosure shall be constructed of 5052-H32 marine grade aluminum with a minimum R9 in the walls and roof. Cut board insulation shall be used to insure uniform insulation thickness. Sprayed insulation shall be reason for rejection. The enclosure shall have a fully insulated drain panel designed to remain closed except when the backflow prevention assembly is discharging water. The drain panel shall be sized to accommodate the maximum discharge for backflow installations. The enclosure shall be mounted securely to a concrete pad and remain locked even if outside screws are removed. All mounting hardware shall be furnished.

When heat is required, a UL or ETL listed heater shall be provided that has been independently certified to meet the UL-2021 "Rain Test" for damp or wet conditions. The enclosure shall be certified to the most recent ASSE Standard 1060 (Class I or Class II). The insulated enclosure shall be a Safe-T-Cover SN or SNT series.

Nashville, TN Phone 1-800-245-6333  
 FAX (615) 259-4481 Website www.safet-cover.com SN 0820



DECOMPOSED GRANITE PAVING SCALE: 1/2" = 1'-0" 2

APPROVALS

SWITCH ENCLOSURE

SCALE: NTS 1

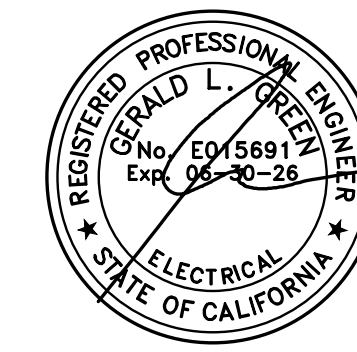
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Project Title  
 IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT

SITE DETAILS

	Document Date 08-01-24	Project Number 23-061V
	Date Last Revised	Sheet Number <b>ASX3</b>



APPROVALS

LIGHTING/SWITCHING SYMBOLS	POWER SYMBOLS	ABBREVIATIONS
<p> LIGHTING CONTROL PANEL. SEE CONTROL DETAIL AND SCHEDULES FOR MORE INFORMATION.</p> <p> PUSH BUTTON LOW VOLTAGE OVERRIDE CONTROL SWITCH</p> <p> ZONE CONTROLLED (UPPER CASE LETTER DENOTES ZONE CONTROLLED)</p> <p> SWITCH LEG CONTROLLED (LOWER CASE LETTER DENOTES SWITCH LEG CONTROLLED)</p> <p> SWITCH, SINGLE POLE 20A, MTD. 48" AFF TO TOP. DESIGNATION TO CONTROL LIGHTING IN CIRCUIT LEGS. DEVICE: WHITE COVERPLATE: WHITE            2- DOUBLE POLE K - KEYPAD SWITCH            3- THREE WAY T - MANUAL MOTOR STARTER WITH THERMAL OVERLOADS            4- FOUR WAY D - LOAD RATED DIMMER            PL - PILOT LIGHT PB - PUSHBUTTON</p> <p> WALL MOUNTED MOTION CONTROLLED LIGHTING SWITCH WITH INTEGRAL BI-LEVEL SWITCHING. DEVICE - WHITE MTD. 48" AFF TO TOP.</p> <p> WALL MOUNTED MOTION SENSOR/MANUAL SWITCH-RAISE/LOWER/ON/OFF DEVICE - WHITE MTD. 48" AFF TO TOP.</p> <p> CEILING MOUNTED ULTRASONIC MOTION SENSOR. DEVICE: WHITE</p> <p> WALL MOUNTED DUAL-TECHNOLOGY MOTION SENSOR. DEVICE: WHITE</p> <p> FIXTURE CALLOUT:            TYPE (SEE LIGHT FIXTURE SCHEDULE)            WATTAGE            QUANTITY</p> <p> RELAY</p> <p> TIME CLOCK</p> <p> MOTION SENSOR POWER PACK</p> <p> EMERGENCY POWER OFF PUSHBUTTON, MOUNTED AT +48" UON.</p> <p> PHOTOCELL</p>	<p> JUNCTION BOX</p> <p> WALL MOUNTED JUNCTION BOX</p> <p> DUPLEX RECEPTACLE MTD 18" AFF TO CENTER. COVERPLATE COLOR: WHITE            DEVICE TYPE DEVICE COLOR            STANDARD WHITE            IS ISOLATED GROUND ORANGE            D DEDICATED 20A RATED GRAY            UPS 15A OR 20A UPS GRAY            DM EMERGENCY RED            T TAMPER RESISTANT WHITE            USB USB PORT WHITE</p> <p> GFI DUPLEX RECEPTACLE MTD 18" AFF TO CENTER. COVERPLATE COLOR: WHITE</p> <p> GFI DUPLEX WEATHERPROOF RECEPTACLE MTD 18" AFF TO CENTER. USE "IN USE" TYPE COVER PLATES</p> <p> DOUBLE DUPLEX RECEPTACLE MTD 18" AFF TO CENTER. SCHEDULE AS NOTED ABOVE.</p> <p> SPLIT WIRED 15A 1/2 HOT, 1/2 SWITCHED OUTLET. COLOR: WHITE</p> <p> DUPLEX RECEPTACLE CONTROLLED BY OCCUPANCY SENSOR, MTD 18" AFF TO CENTER. SCHEDULE AS NOTED ABOVE.</p> <p> DOUBLE DUPLEX RECEPTACLE WITH ONE DUPLEX CONTROLLED BY OCCUPANCY SENSOR, MTD 18" AFF TO CENTER. SCHEDULE AS NOTED ABOVE.</p> <p> 208V/1Ø RECEPTACLE, NEMA CONFIGURATION AS NOTED.</p> <p> 208V/3Ø RECEPTACLE, NEMA CONFIGURATION AS NOTED.</p> <p> FLUSH FLOOR MOUNTED DUPLEX RECEPTACLE.</p> <p> FLOOR BOX WITH DOUBLE DUPLEX RECEPTACLE AND SINGLE GANG TEL/DATA RECEPTACLE.</p> <p> FLOOR BOX WITH DUPLEX RECEPTACLE AND SINGLE GANG TEL/DATA RECEPTACLE.</p> <p> SPECIALTY FLOOR BOX PER PLANS MULTIPLE GANG BOX, SEE SPECS.</p> <p> PEDESTAL MOUNTED DOUBLE DUPLEX RECEPTACLE MANUF: HUBBELL SA6600 1/4" STAINLESS STEEL COVERPLATES</p> <p> PEDESTAL MOUNTED DUPLEX RECEPTACLE MANUF: HUBBELL SA6600 1/4" STAINLESS STEEL COVERPLATES</p> <p> WEATHERPROOF GFI WORK OUTLET. PROVIDE CAST BOX 1/4" STAINLESS STEEL W/FP COVER.</p> <p> EXTERNALLY OPERATED FUSED DISCONNECT SWITCH. PROVIDE PER NEMA RATING REQUIRED.</p> <p> COMBINATION FVNR MAGNETIC MOTOR STARTER AND DISCONNECT RATINGS AND POLES AS INDICATED. PROVIDE WITH OVERLOAD PER HORSEPOWER REQUIREMENTS, CPT, H.O.A. WITH PILOT LIGHTS, PROVIDE WITH (1) EACH N.O. AND N.C. AUX CONTACTS.</p> <p> FVNR MAGNETIC STARTER WITH OVERLOAD PER HORSEPOWER REQUIREMENTS, CPT, H.O.A. WITH PILOT LIGHTS, PROVIDE WITH (1) EACH N.O. AND N.C. AUX CONTACTS.</p> <p> MOTOR PROVIDED BY OTHERS.</p> <p> FLUSH MOUNTED PANELBOARD</p> <p> SURFACE MOUNTED PANELBOARD</p> <p> SURFACE MOUNTED LIGHTING DIMMING PANEL, U.O.N.</p> <p> FIRE RATED DOUBLE DUPLEX POKE THROUGH</p> <p> FIRE RATED SYSTEMS FURNITURE FEED POKE THROUGH</p> <p> CLOCK HANGER OUTLET ONLY, MOUNTED AT 1" U.O.N.</p> <p> TELEVISION SYSTEM OUTLET WITH JACK, WALL MOUNTED AT +12" U.O.N.</p> <p> MULTI-OUTLET ASSEMBLY, LENGTH AS INDICATED ON PLANS.</p> <p> FLEXIBLE CONDUIT</p> <p> WIRING OR CONDUIT CONCEALED IN WALL OR CEILING</p> <p> WIRING OR CONDUIT EXPOSED</p> <p> WIRING OR CONDUIT CONCEALED UNDERGROUND OR IN FLOOR</p> <p> RACEWAY OR WIREWAY ASSEMBLY DOWN</p> <p> RACEWAY OR WIREWAY ASSEMBLY UP</p> <p> HOMERUN TO PANEL, CIRCUITS AS INDICATED.</p> <p> UNDERGROUND HOMERUN TO PANEL, CIRCUITS AS INDICATED.</p> <p> CONCEALED EMT CONDUIT WITH THIN WIRE 2#12 AWG 3/4" C. MINIMUM</p> <p> CONCEALED EMT CONDUIT WITH THIN WIRE 2#12 AWG 3/4" C. MINIMUM. CHEVRONS INDICATE #10 CONDUCTORS</p> <p> FUSED SWITCH, SEE SINGLE LINE DIAGRAM FOR MORE INFORMATION.</p> <p> CIRCUIT BREAKER, SEE SINGLE LINE DIAGRAM FOR MORE INFORMATION.</p> <p> TRANSFORMER, SEE SINGLE LINE DIAGRAM FOR MORE INFORMATION.</p> <p> CURRENT TRANSFORMER</p> <p> AUTOMATIC TRANSFER SWITCH</p> <p> GROUNDING ELECTRODE</p> <p> SMOKE DETECTOR</p>	<p>A AMPERES</p> <p>AC ALTERNATING CURRENT</p> <p>AIC AMPERES INTERRUPTING CAPACITY</p> <p>AFF ABOVE FINISHED FLOOR</p> <p>AFG ABOVE FINISHED GRADE</p> <p>AF AMP FRAME/AMP FUSE</p> <p>AL ALUMINUM</p> <p>ARCH ARCHITECT OR ARCHITECTURAL</p> <p>AS AMP SWITCH</p> <p>AT AMP TRIP</p> <p>ATS AUTOMATIC TRANSFER SWITCH</p> <p>AUX AUXILIARY</p> <p>AWG AMERICAN WIRE GAUGE</p> <p>BACKBD BACKBOARD</p> <p>C CONDUIT WITH WIRE</p> <p>CATV CABLE TELEVISION</p> <p>CCTV CLOSED CIRCUIT TELEVISION</p> <p>CB CIRCUIT BREAKER</p> <p>CLF CURRENT LIMITING FUSE</p> <p>CO CONDUIT ONLY WITH NYLON PULL CORD</p> <p>CONTR CONTRACTOR</p> <p>CU COPPER</p> <p>CT CURRENT TRANSFORMER</p> <p>DM DRAIN WATER</p> <p>D DEDICATED OUTLET</p> <p>DC DIRECT CURRENT</p> <p>DF DRINKING FOUNTAIN</p> <p>DIA DIAMETER</p> <p>DISC DISCONNECT</p> <p>DIST DISTRIBUTION</p> <p>DWGS DRAWINGS</p> <p>EA EACH</p> <p>EB 90-MINUTE BATTERY CONNECTED TO UNIT</p> <p>EG ELECTRICAL CONTRACTOR</p> <p>EG EMERGENCY GENERATOR CONNECTION</p> <p>EF EXHAUST FAN</p> <p>ELECT ELECTRICAL</p> <p>ELEV ELEVATION/ELEVATOR</p> <p>EMT ELECTRO-METALLIC TUBING</p> <p>EXIST EXISTING</p> <p>FA FIRE ALARM</p> <p>FC FOOT CANDLE</p> <p>FIXT FIXTURE</p> <p>FLUOR FLUORESCENT</p> <p>FT FEET OR FOOT</p> <p>GC GENERAL CONTRACTOR</p> <p>GD GARBAGE DISPOSAL</p> <p>GEN GENERATOR</p> <p>GFI GROUND FAULT INTERRUPTER</p> <p>GFR GROUND FAULT RELAY</p> <p>GND GROUND</p> <p>H HORIZONTAL</p> <p>HI HIGH INTENSITY DISCHARGE</p> <p>HP HORSEPOWER</p> <p>HPS HIGH PRESSURE SODIUM</p> <p>HR HOUR</p> <p>HT HEIGHT</p> <p>HZ HERTZ</p> <p>I ISOLATED GROUND BUS OR WIRE</p> <p>IMC INTERMEDIATE METAL CONDUIT</p> <p>INCANDESCENT INCANDESCENT</p> <p>J-BOX JUNCTION BOX</p> <p>KVA KILO-VOLT-AMPERE</p> <p>KW KILO-WATT</p> <p>LF LINEAL FEET</p> <p>LTS LIGHTING</p> <p>LV LOW VOLTAGE</p> <p>MANUF MANUFACTURER</p> <p>MAX MAXIMUM</p> <p>MC MECHANICAL CONTRACTOR</p> <p>MCC MOTOR CONTROL CENTER</p> <p>MECH MECHANICAL</p> <p>MIN MINIMUM</p> <p>MH METAL HALIDE</p> <p>MLO MAIN LUGS ONLY</p> <p>MTG MOUNTING</p> <p>MV MERCURY VAPOR</p> <p>N NEUTRAL</p> <p>NEG NATIONAL ELECTRIC CODE</p> <p>NC NOT IN CONTRACT</p> <p>NL NIGHT LIGHT</p> <p>NTS NOT TO SCALE</p> <p>OC ON CENTER</p> <p>OFN OWNER FURNISHED CONTRACTOR INSTALLED</p> <p>OFOI OWNER FURNISHED OWNER INSTALLED</p> <p>P PEDESTAL MOUNT</p> <p>PB PULL BOX</p> <p>PC PHOTOCELL CONTROL</p> <p>PCTG PHOTOCELL/TIMELOCK CONTROL</p> <p>PH PHASE</p> <p>PV POST INDICATING VALVE</p> <p>PL PILOT LIGHT</p> <p>PVC POLY(VINYL CHLORIDE)</p> <p>PWR POWER</p> <p>PP POWER POLE</p> <p>QR QUANTITY</p> <p>QTY QUANTITY</p> <p>RECEPT RECEPTACLE</p> <p>REF REFRIGERATOR</p> <p>RSS RIGID GALVANIZED STEEL</p> <p>SD SMOKE DETECTOR</p> <p>SPEC SPECIFICATION</p> <p>SQ FT SQUARE FEET OR SQUARE FOOT</p> <p>SW SWITCH</p> <p>SWBD SWITCHBOARD</p> <p>TEMP TEMPERATURE OR TEMPORARY</p> <p>TV TELEVISION</p> <p>TEL, TELE TELEPHONE</p> <p>TC TIME CLOCK</p> <p>TRANSF TRANSFORMER</p> <p>TYP TYPICAL</p> <p>UGPS UNDERGROUND FULL SECTION</p> <p>UNO UNDERWRITERS LABORATORIES</p> <p>UNO UNLESS NOTED OTHERWISE</p> <p>UPS UNINTERRUPTIBLE POWER SUPPLY</p> <p>V VOLTS</p> <p>VA VOLT-AMPERE</p> <p>WH WATER HEATER</p> <p>WFP WEATHER PROOF</p> <p>XFMR TRANSFORMER</p>
<p><b>TEL/DATA SYMBOLS</b></p>		
<p> DATA OUTLET WITH TRIM RING, PULLSTRING TO ACCESSIBLE CEILING SPACE. +18" A.F.F. TO CENTER.</p> <p> TELEPHONE OUTLET WITH TRIM RING, PULLSTRING TO ACCESSIBLE CEILING SPACE. +18" A.F.F. TO CENTER.</p> <p> TELECOMMUNICATIONS OUTLET WITH TRIM RING, PULLSTRING TO ACCESSIBLE CEILING SPACE +18" A.F.F. TO CENTER.</p> <p> TELECOMMUNICATION OUTLET FLUSH FLOOR MOUNTED ON FIRE RATED POKE-THRU.</p> <p> SPEAKER BACK BOX LOCATION</p> <p> INTERCOM J-BOX LOCATION</p> <p> ELECTROMAGNETIC DOOR HOLDER</p> <p> INTERCOM LOCATION</p> <p> CARD READER</p> <p> ELECTRIC DOOR STRIKE</p> <p> 3/4" FIRE RATED PLYWOOD BACKBOARD WITH #6AWG GROUND TO BUILDING SYSTEM GROUND.</p> <p> CABLE TRAY PER PLANS. COORDINATE ROUTING WITH OTHER DISCIPLINES.</p>		
<p><b>GENERAL NOTES</b></p>		
<ol style="list-style-type: none"> <li>EXTERIOR LIGHTING SYSTEM SHALL BE EQUIPPED WITH AUTOMATIC TIMING DEVICE AND CONTROL SHUT-OFF BETWEEN 11PM &amp; 6AM</li> <li>ALL ELECTRICAL DEVICES AND UTILIZATION EQUIPMENT SHALL BE LISTED BY AN APPROVED TESTING AGENCY</li> <li>ALL WORK TO COMPLY WITH 2019 OF THE CALIFORNIA ELECTRICAL CODE.</li> <li>USE COPPER CONDUCTORS ONLY.</li> <li>THERMOSTATS, SWITCHES AND/OR RECEPTACLES INSTALLED IN RESTROOMS OR OTHER AREAS EQUIPPED FOR THE DISABLED, SHALL BE LOCATED AT NOT TO EXCEED 48" TO TOP OF BOX FROM THE FLOOR.</li> <li>ALL 15 AND 20 AMP, 120V RECEPTACLES IN KITCHEN AREAS SHALL BE GFCI PROTECTED</li> <li>CONTRACTOR IS TO VERIFY MOUNTING HEIGHTS OF ALL DEVICES PRIOR TO MOUNTING</li> <li>VERIFY ROUTING OF ANY SURFACE MOUNTED CONDUITS PRIOR TO INSTALLATION</li> <li>REVIEW ALL PLANS BY OTHER TRADES AND PROVIDE ADDITIONAL WORK AS REQUIRED NOT OUTLINED IN THESE DOCUMENTS</li> <li>COORDINATE ALL DIMMING FIXTURES WITH DIMMING SYSTEM AND SPECIFIED FIXTURE. PROVIDE WIRE COUNT AS REQUIRED PER MANUFACTURE SPECIFICATIONS.</li> <li>ELECTRICAL CONTRACTOR SHALL PROVIDE MULTI-POLE CIRCUIT BREAKERS WITH COMMON TRIP OR U.L. LISTED HANDLE TIES FOR ALL MULTI-POLE CIRCUITS WITH SHARED NEUTRAL.</li> <li>ALL LIGHTING AND CONTROLS ARE TO BE AS SPECIFIED. ANY SUBSTITUTION WILL REQUIRE A RE-DESIGN OF THE LIGHTING PLANS, FIXTURE SCHEDULE AND T-24 DOCUMENTATION. COST FOR THIS RE-DESIGN IS TO BE PAID BY THE ELECTRICAL CONTRACTOR.</li> <li>CONTRACTOR TO VERIFY LOAD TYPES AND EQUIPMENT COMPATIBILITY FOR ALL DIMMING LOADS PRIOR TO RELEASE OF ANY ORDERS.</li> </ol>		



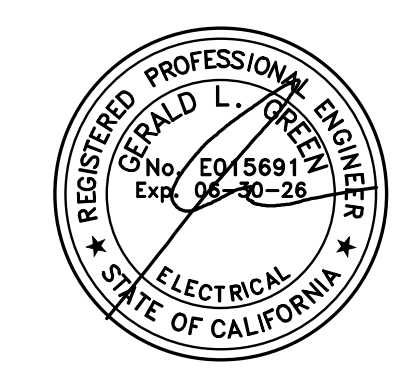
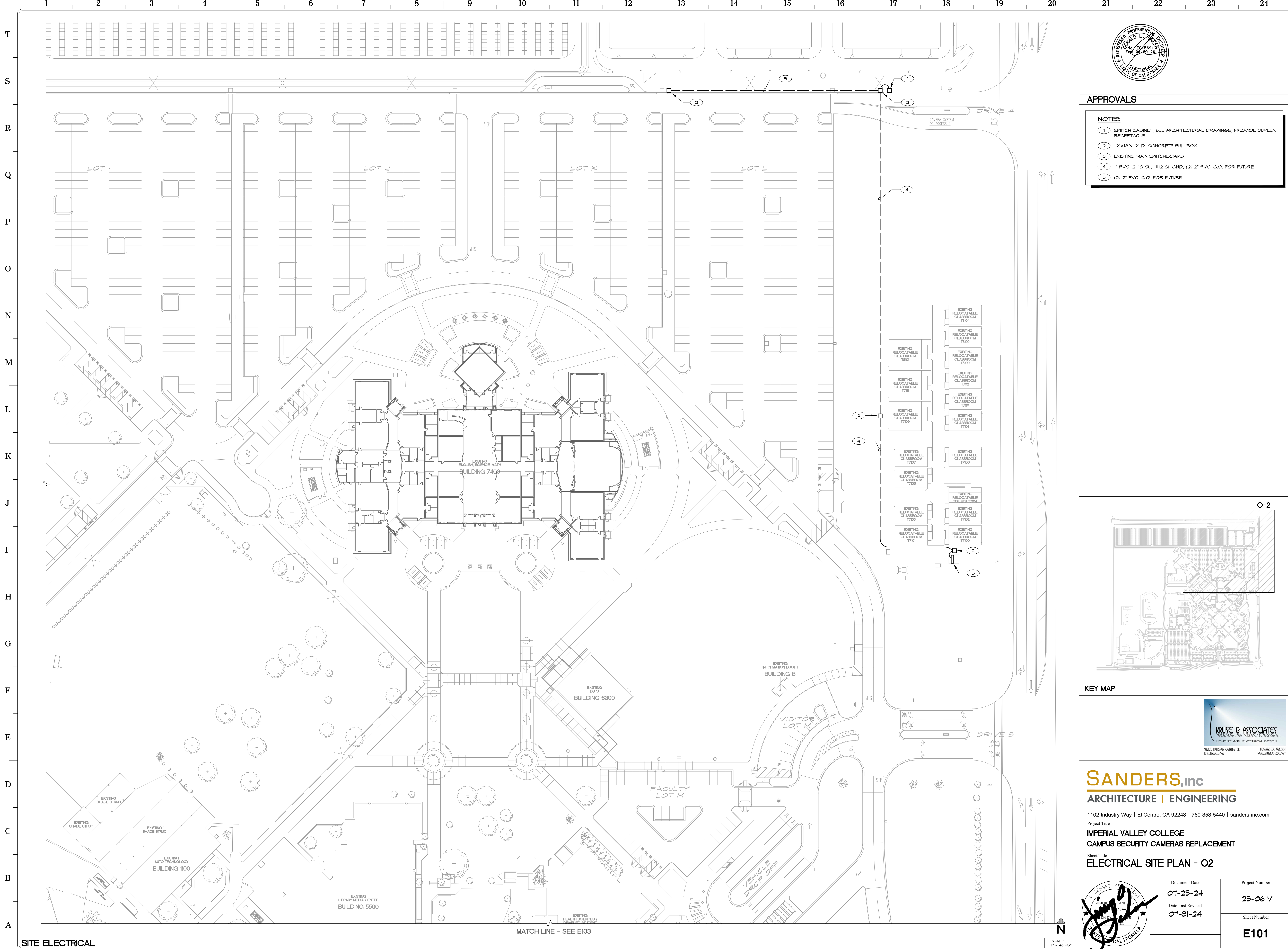
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Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERAS REPLACEMENT**

Sheet Title  
**SYMBOLS LIST**

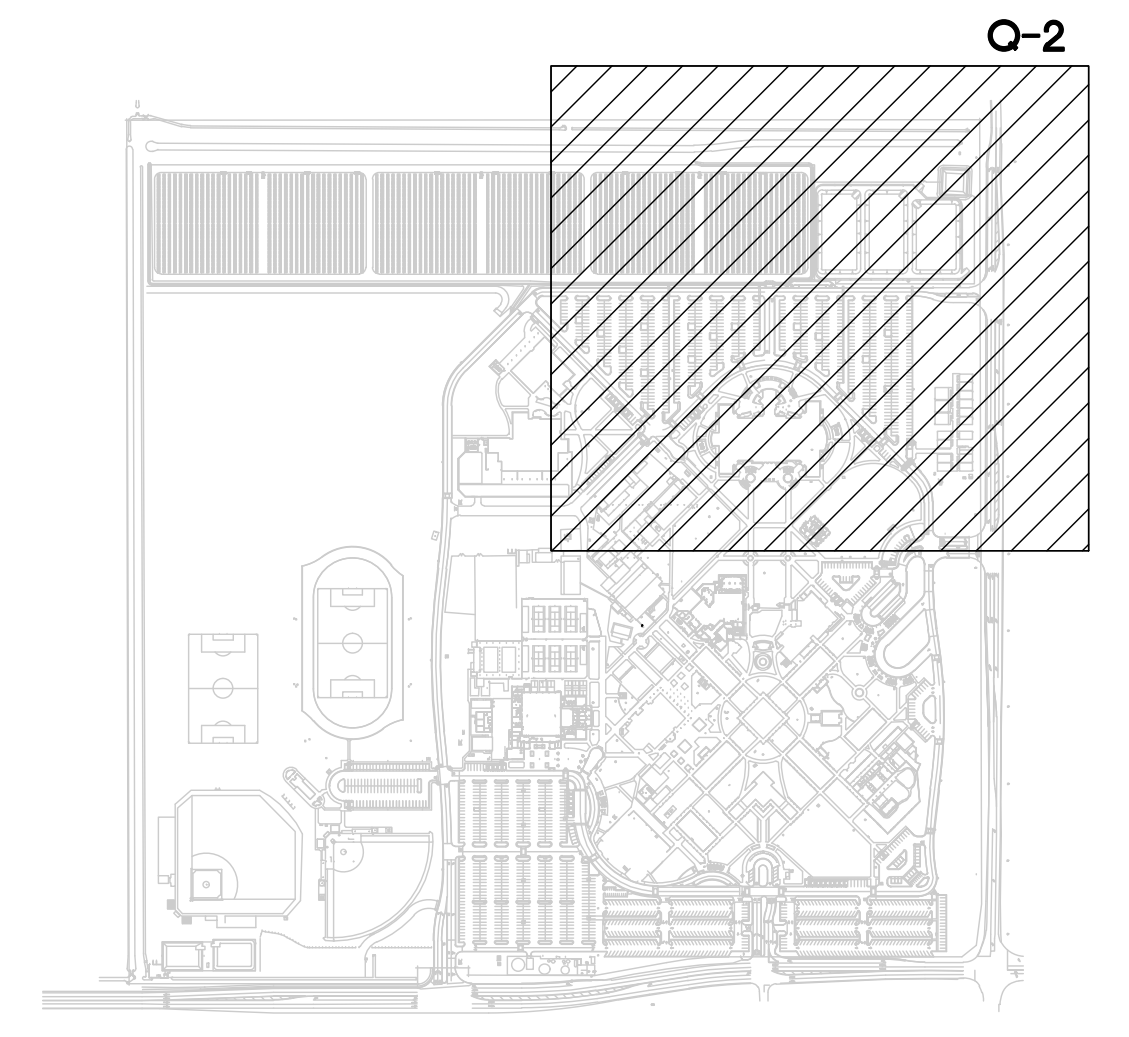
	Document Date	Project Number
	07-23-24	23-061V
	Date Last Revised	Sheet Number
	07-31-24	<b>E001</b>



**APPROVALS**

**NOTES**

- ① SWITCH CABINET, SEE ARCHITECTURAL DRAWINGS, PROVIDE DUPLEX RECEPTACLE
- ② 12"x18"x12" D. CONCRETE PULLBOX
- ③ EXISTING MAIN SWITCHBOARD
- ④ 1" FVG, 2#10 CU, 1#12 CU GND, (2) 2" FVG. C.O. FOR FUTURE
- ⑤ (2) 2" FVG. C.O. FOR FUTURE



**KEY MAP**



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**IMPERIAL VALLEY COLLEGE  
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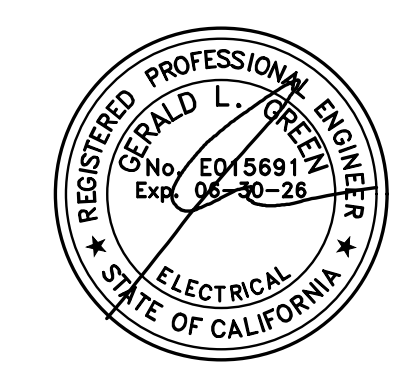
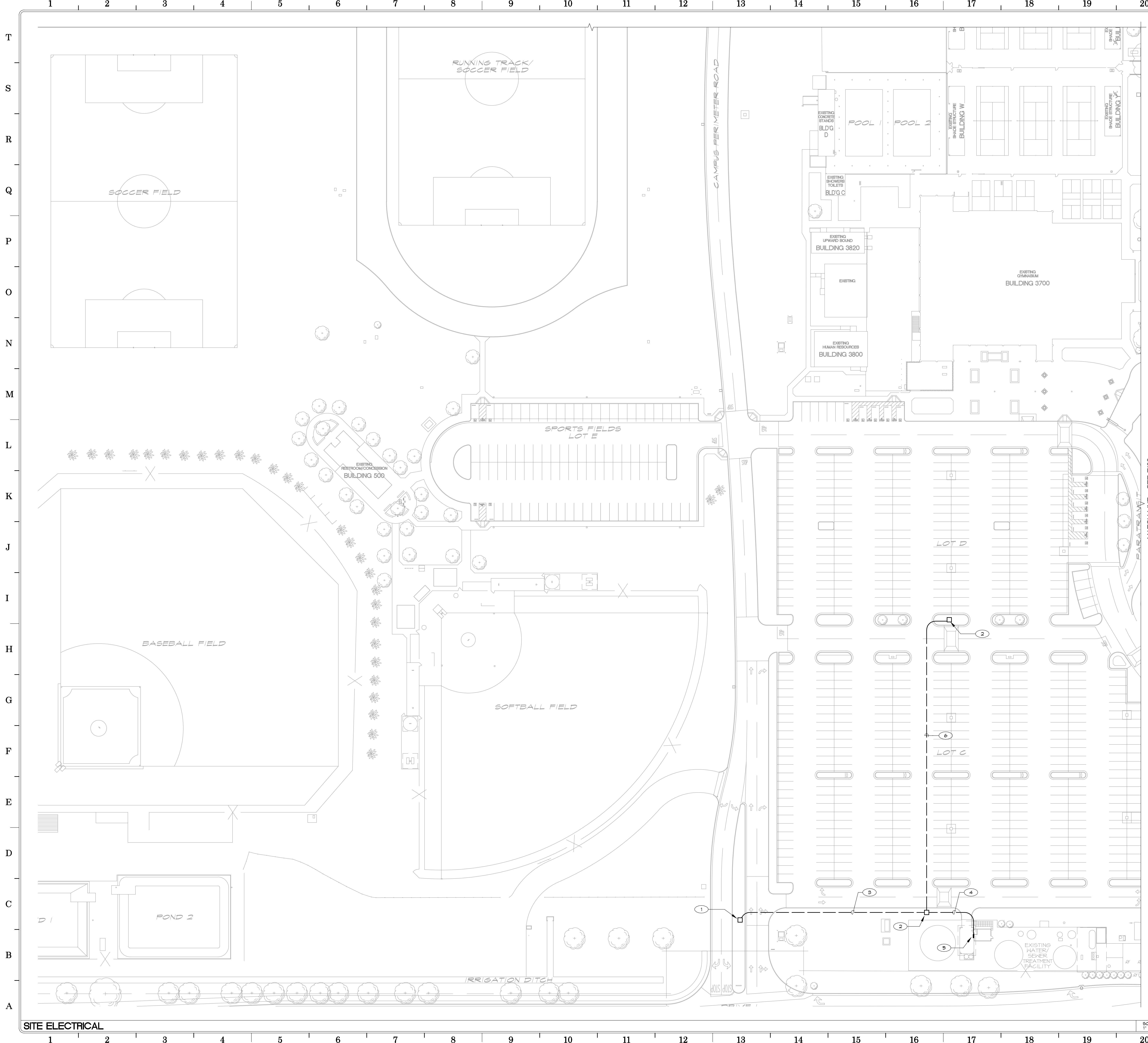
Sheet Title  
**ELECTRICAL SITE PLAN - Q2**

	Document Date <b>07-23-24</b>	Project Number <b>23-061V</b>
	Date Last Revised <b>07-31-24</b>	Sheet Number <b>E101</b>

**SITE ELECTRICAL**

SCALE: 1" = 40'-0"

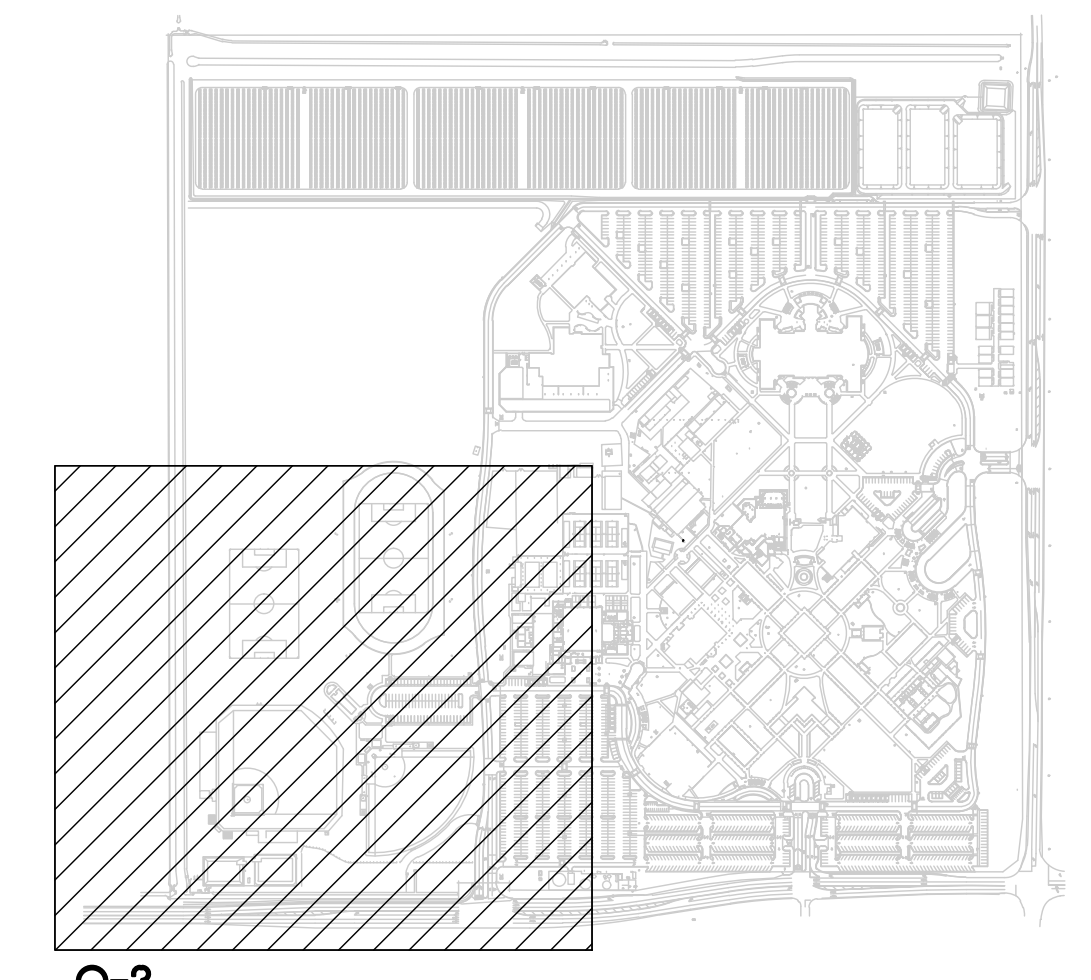
MATCH LINE - SEE E103



**APPROVALS**

**NOTES**

- 1 SWITCH CABINET, SEE ARCHITECTURAL DRAWINGS, PROVIDE DUPLEX RECEPTACLE
- 2 12"x18"x12" D. CONCRETE PULLBOX
- 3 1" FVG, 2# CU, 1#10 CU GND
- 4 1" FVG, 2# CU, 1#10 CU GND, (1) 1" FVG, C.O. (SPARE)
- 5 EXISTING PANEL "C"
- 6 1" FVG, C.O FOR FUTURE SWITCH



**Q-3  
KEY MAP**



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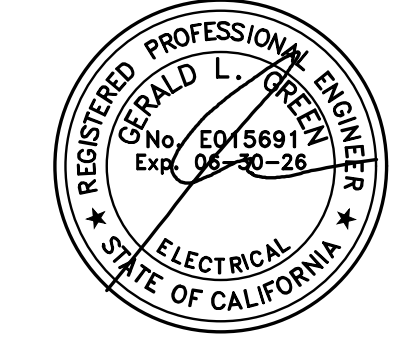
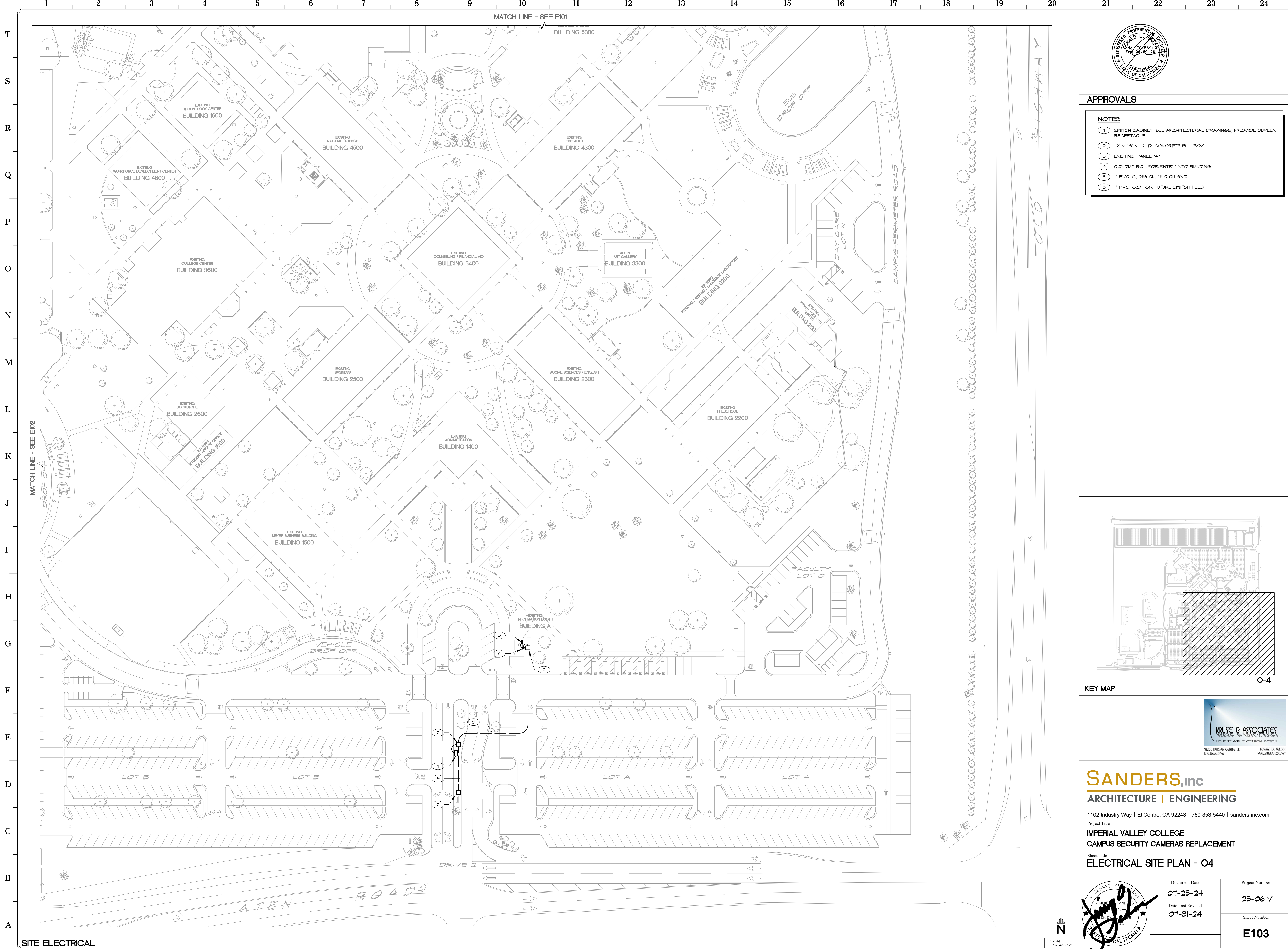
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Project Title  
**IMPERIAL VALLEY COLLEGE  
CAMPUS SECURITY CAMERAS REPLACEMENT**

Sheet Title  
**ELECTRICAL SITE PLAN - Q3**

	Document Date <b>07-23-24</b>	Project Number <b>23-061V</b>
	Date Last Revised <b>07-31-24</b>	Sheet Number <b>E102</b>

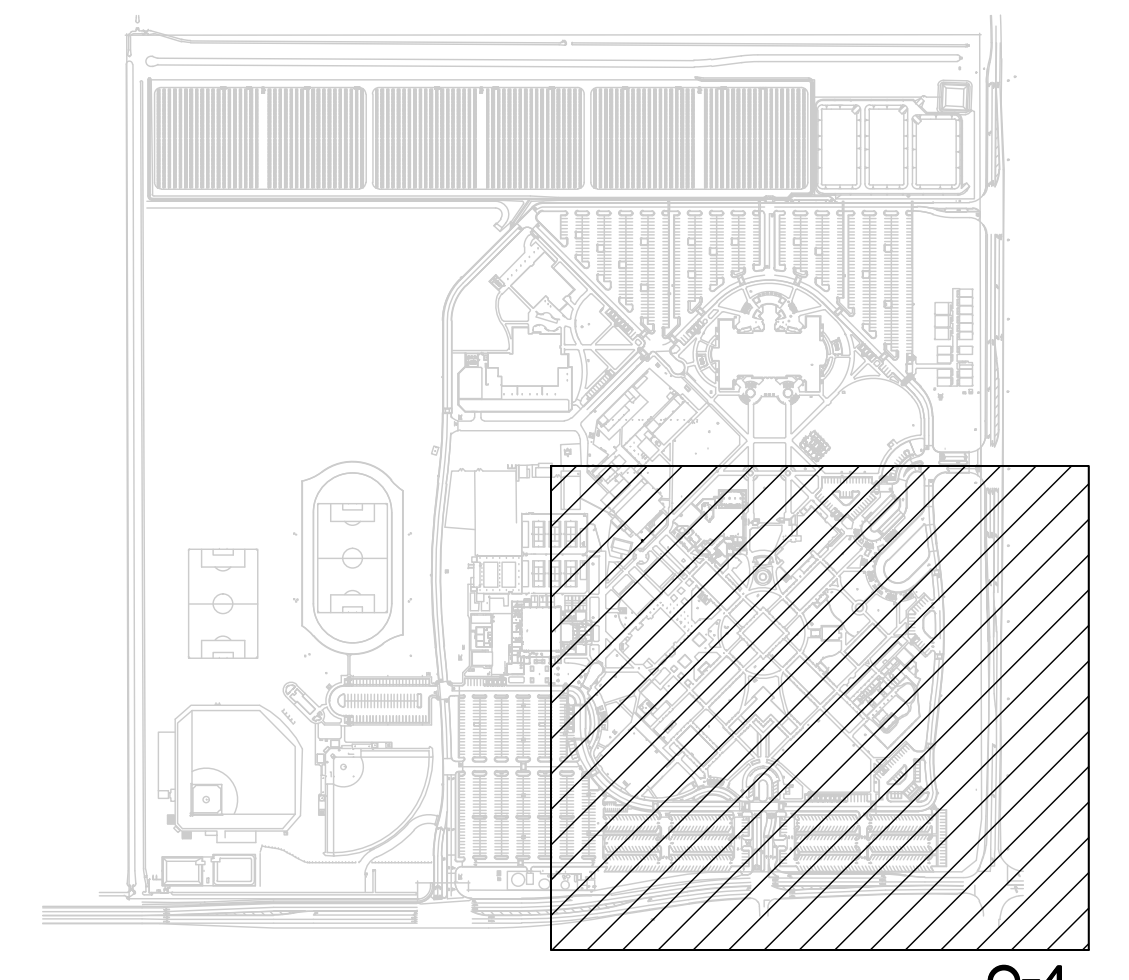




**APPROVALS**

**NOTES**

- 1 SWITCH CABINET, SEE ARCHITECTURAL DRAWINGS, PROVIDE DUPLEX RECEPTACLE
- 2 12" x 18" x 12" D. CONCRETE PULLBOX
- 3 EXISTING PANEL "A"
- 4 CONDUIT BOX FOR ENTRY INTO BUILDING
- 5 1" PVC, C, 2# CU, 1#10 CU GND
- 6 1" PVC, C.O FOR FUTURE SWITCH FEED



KEY MAP



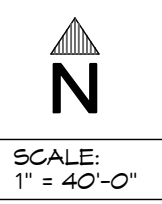
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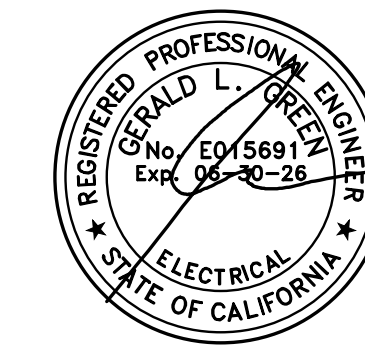
Project Title  
**IMPERIAL VALLEY COLLEGE  
CAMPUS SECURITY CAMERAS REPLACEMENT**

Sheet Title  
**ELECTRICAL SITE PLAN - Q4**

	Document Date <b>07-23-24</b>	Project Number <b>23-061V</b>
	Date Last Revised <b>07-31-24</b>	Sheet Number <b>E103</b>



SITE ELECTRICAL



APPROVALS

VOLTAGE	120/208	AIC		PANEL	"A" (EXIST. BLDG. A)	MOUNTING		MAINS	LUGS ONLY
PHASE	3	10,000		LOCATION		FLUSH		BUSING	100A
WIRE	4			FEEDER	1 1/2" C, 4#2 CU			FEED	BOTTOM

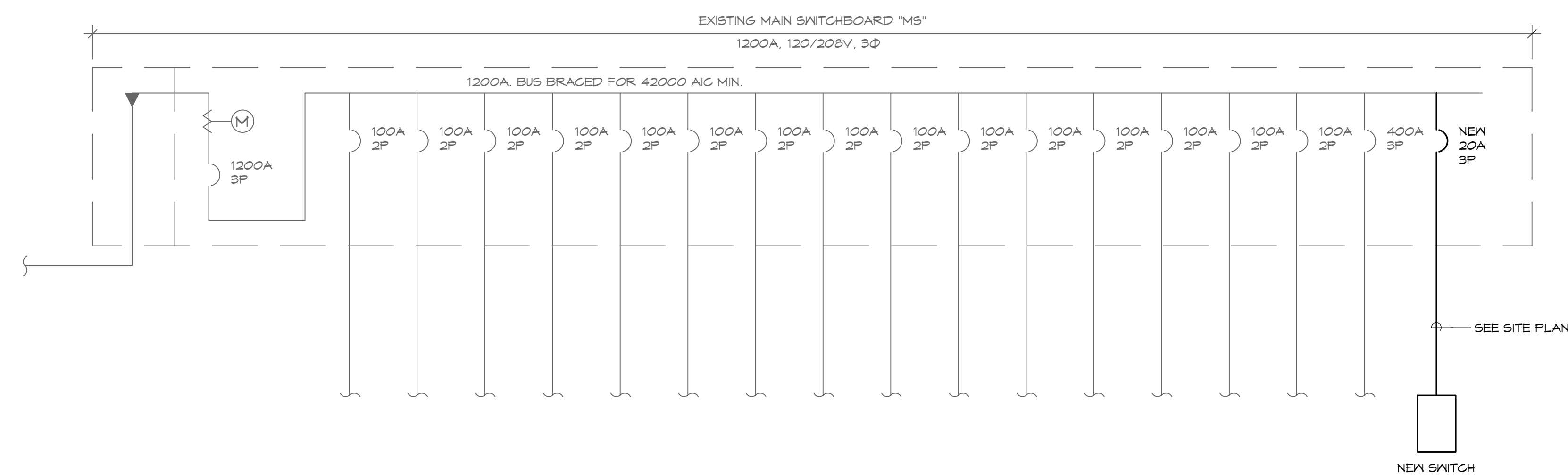
LOCATION	WATTAGE			LTG	REC	MS	BKR	CR	CR	CR	MS	REC	LTG	WATTAGE			LOCATION
	Φ A	Φ B	Φ C											Φ A	Φ B	Φ C	
PHONE	500						20	1	A	2	20						LIGHTS
MARQUEE		500					20	3	B	25							A/C
RECECTACLE			900				20	5	C	62							
TICKET BOOTH	900						20	7	A	8	20						EXISTING
PHOTOCELL		200					20	9	B	10	0						SPACE ONLY
SWITCH CABINET			500		1		20	11	C	30							EXISTING
SWITCH CABINET	500				1		20	13	A	14							EXISTING
SPACE ONLY							0	15	B	16	0						SPACE ONLY
SPACE ONLY							0	17	C	18	0						SPACE ONLY
SPACE ONLY							0	19	A	20	0						SPACE ONLY
SPACE ONLY							0	21	B	22	0						SPACE ONLY
SPACE ONLY							0	23	C	24	0						SPACE ONLY
SUBTOTAL	1900	700	1400														
TOTAL	4A	1900					0B	700							0C	1400	
TOTAL LOAD		4000					WATTS AT	120/208	V.3Ø, 4W*		11.1	A					
HIGH PHASE		1900					WATTS AT	120	V.1Ø, 4W*		15.8	A					DATE 11/8/2023

\* = PROVIDE NEW BREAKER AND CONNECT NEW LOAD  
 O = EXISTING CIRCUIT

VOLTAGE	120/208	AIC		PANEL	"C" (EXISTING)	MOUNTING		MAINS	LUGS ONLY
PHASE	3	10,000		LOCATION	WATER TREATMENT	FLUSH		BUSING	200A
WIRE	4			FEEDER	2" C, 4#1 CU			FEED	BOTTOM

LOCATION	WATTAGE			LTG	REC	MS	BKR	CR	CR	CR	MS	REC	LTG	WATTAGE			LOCATION
	Φ A	Φ B	Φ C											Φ A	Φ B	Φ C	
EXISTING	1500						20	1	A	2	40				3000	3000	EXISTING
EXISTING		1500					20	3	B	4	2						EXISTING
EXISTING			200				20	5	C	6	20					900	EXISTING
EXISTING	500						20	7	A	8	20				500		EXISTING
EXISTING		900					20	9	B	10	20				500		EXISTING
EXISTING			900				20	11	C	12	20					500	EXISTING
EXISTING	1500						20	13	A	14	20				360		EXISTING
EXISTING		0					20	15	B	16	20						NEW SWITCHES
EXISTING			500				20	17	C	18	20						FUT. SWITCHES
SPARE							20	19	A	20	0						SPACE ONLY
SPARE							20	21	B	22	50				2000		EXISTING
SPARE							20	23	C	24	2					2000	EXISTING
SPACE ONLY							0	25	A	26	0						SPACE ONLY
SPACE ONLY							0	27	B	28	0						SPACE ONLY
SPACE ONLY							0	29	C	30	0						SPACE ONLY
SPACE ONLY							0	31	A	32	0						SPACE ONLY
SPACE ONLY							0	33	B	34	0						SPACE ONLY
SPACE ONLY							0	35	C	36	0						SPACE ONLY
SPACE ONLY							0	37	A	38	0						SPACE ONLY
SPACE ONLY							0	39	B	40	0						SPACE ONLY
SPACE ONLY							0	41	C	42	0						SPACE ONLY
SUBTOTAL	3500	2400	1600												3860	5500	3400
TOTAL	9A	7360					0B	7400						0C	5000		
TOTAL LOAD		20280					WATTS AT	120/208	V.3Ø, 4W*		56.2	A					
HIGH PHASE		7300					WATTS AT	120	V.1Ø, 4W*		65.8	A					DATE 7/30/2024

\* = PROVIDE NEW BREAKER AND CONNECT NEW LOAD  
 PROVIDE NEW TYPE WRITTEN DIRECTORY



POWER SINGLE LINE DIAGRAM  
 NO SCALE

**GENERAL NOTES**  
 ALL ITEMS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED



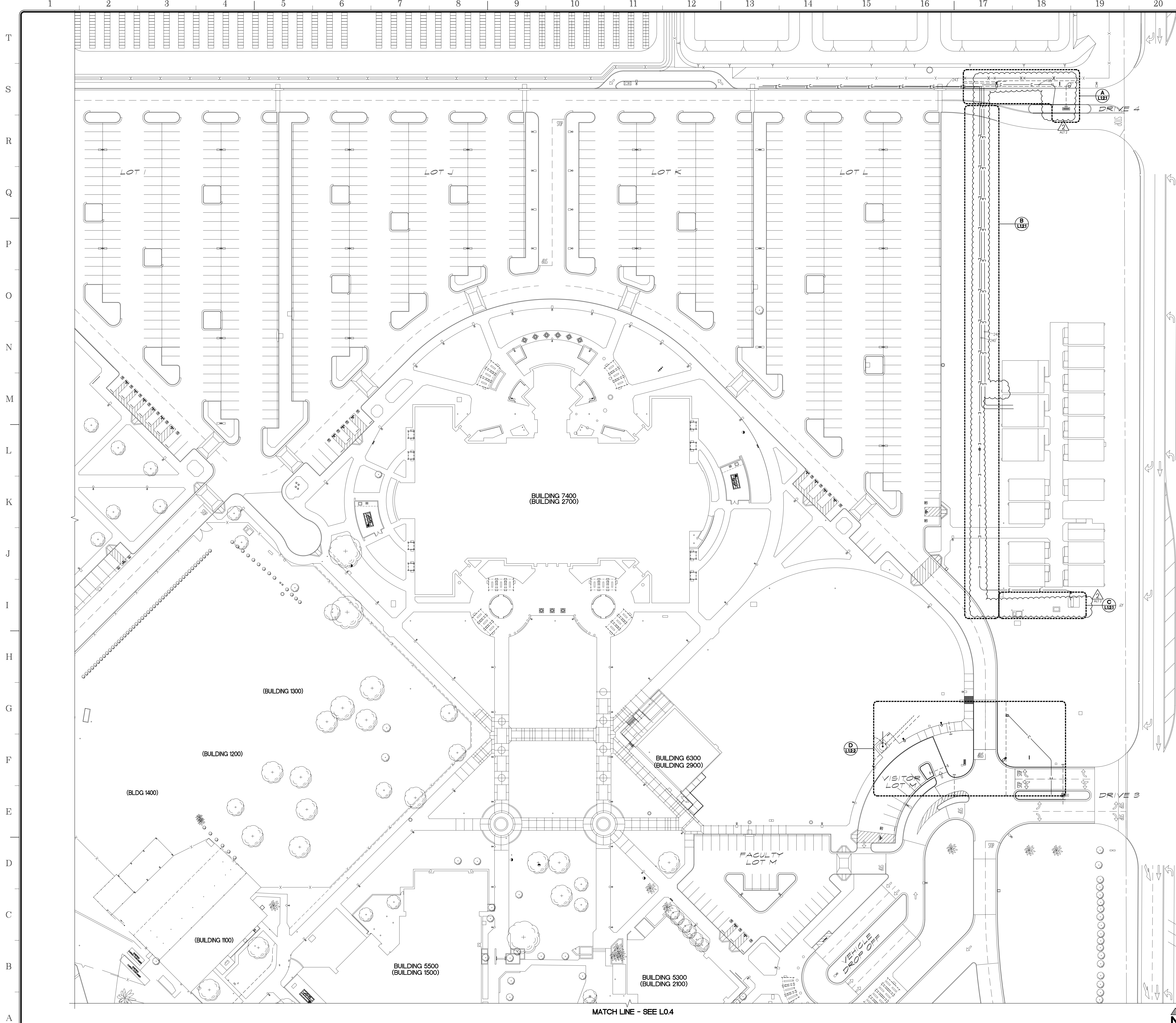
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Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERAS REPLACEMENT**

Sheet Title  
**PANEL SCHEDULES**

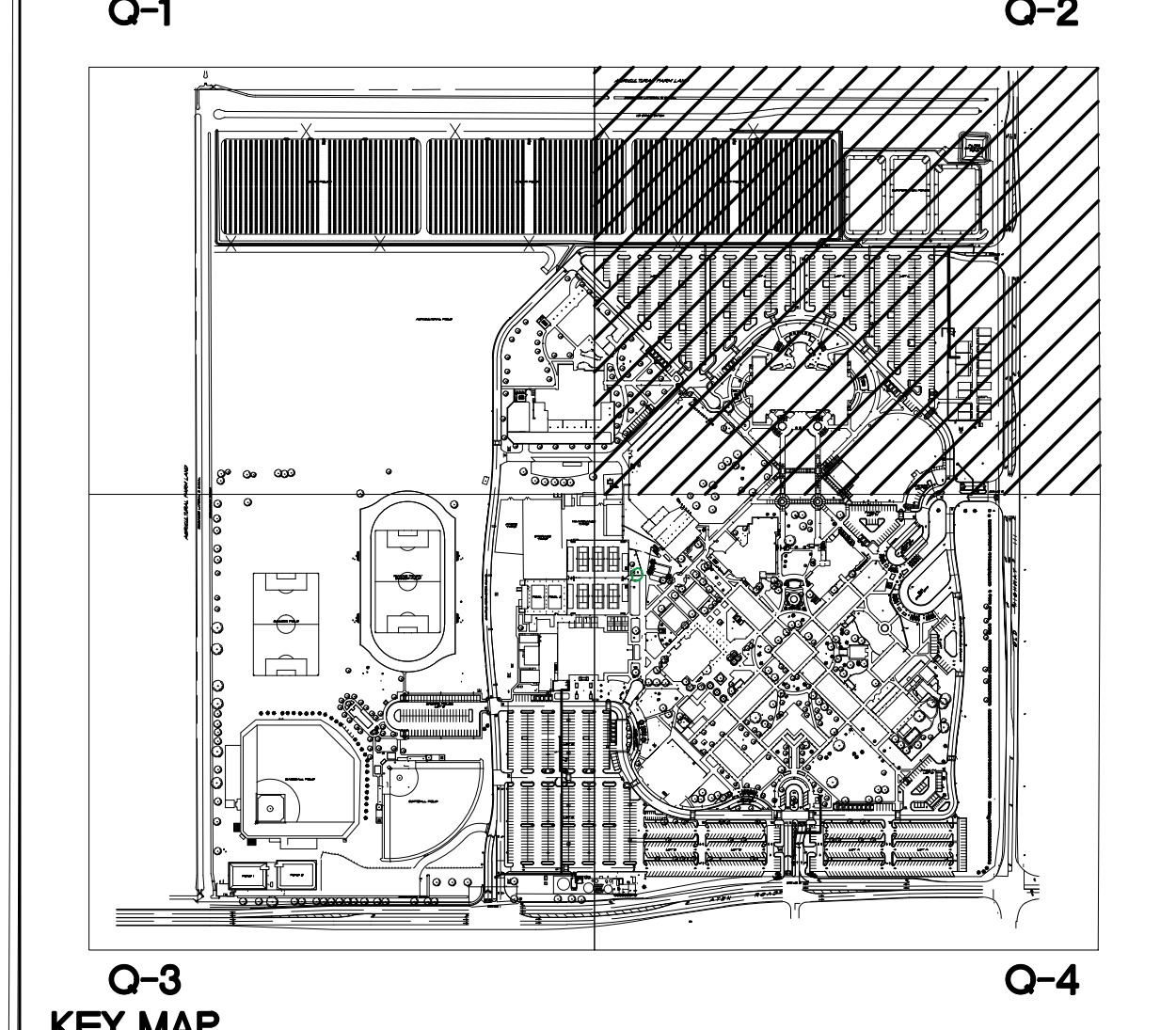
	Document Date <b>07-23-24</b>	Project Number <b>23-061V</b>
	Date Last Revised <b>07-31-24</b>	Sheet Number <b>E201</b>



- APPROVALS**
- LEGEND:**
- EXISTING NATURAL DIRT - SEE ENLARGED DRAWINGS
  - EXISTING LANDSCAPE - GRASS - SEE ENLARGED DRAWINGS
  - EXISTING DECOMPOSED GRANITE - DESERT GOLD OR SIMILAR - SEE ENLARGED DRAWINGS
  - NEW COMMUNICATIONS LINE - SEE COMMUNICATION DRAWINGS
  - NEW ELECTRICAL LINE - SEE ELECTRICAL DRAWINGS
  - ALTERNATE ADD 2 SCOPE OF WORK
- BOUGAINVILLEA LA JOLLA**  
*BOUGAINVILLEA SPECTABILIS*
  - BOXWOOD BEAUTY SHRUB**  
*CARISSA MACROCARPA*
  - WILLOW ACACIA**  
*ACACIA SALICINA*
  - DEER GRASS**  
*HELENBERGIA RIGENS*
  - GREEN CLOUD TEXAS RANGER**  
*LEUCOPHYLLUM FRUTESCENS*
  - RED BIRD OF PARADISE SHRUB**  
*CAESALPINA PULCHERRIMA*
  - CHINESE ELM TREE**  
*ULMUS PARVIFOLIA*
  - TOOTHLESS SOTOL**  
*DASYLIRION QUADRANGULATUM*
  - VARIEGATED CENTURY PLANTS**  
*AGAVE AMERICANA MARGINATA*
  - EUCALYPT**  
*EUCALYPTUS*
  - OLEANDER**  
*NERIUM OLEANDER*
  - PALO VERDE**  
*PARKINSONIA ACULEATA*
  - RED YUCCA**  
*HESPERALOE PARVIFLORA*

**NOTES:**

1. LANDSCAPE SHOWN IN THIS PLAN IS EXISTING.
2. THIS PLAN IS FOR REFERENCE ONLY TO BE USED AS A GUIDE TO REPLACE EXISTING LANDSCAPE DISTURBED DURING CONSTRUCTION.
3. THIS PLAN DOES NOT PROPOSE NEW LANDSCAPE.



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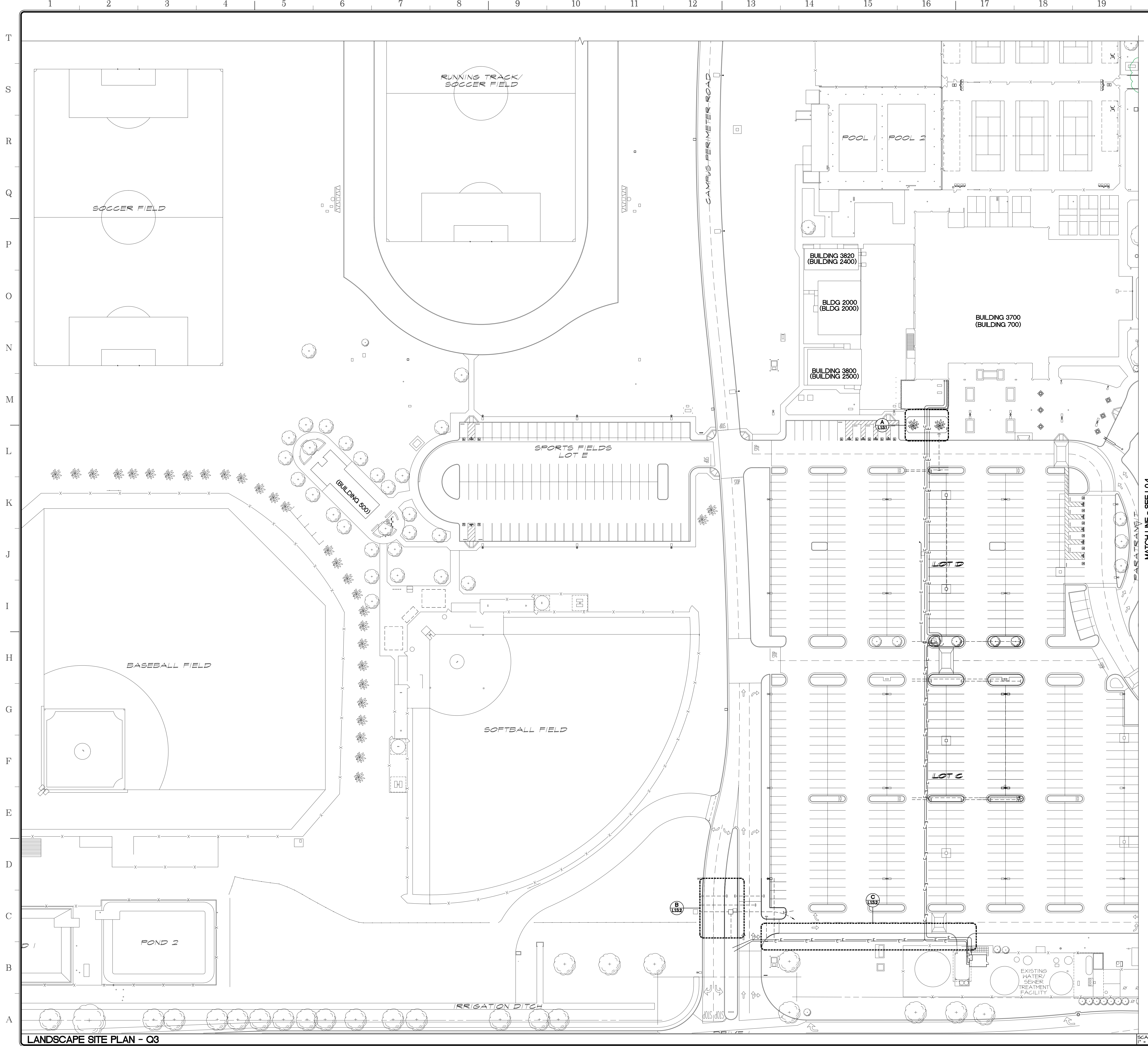
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Project Title  
**IMPERIAL VALLEY COLLEGE  
CAMPUS SECURITY CAMERA REPLACEMENT**

Sheet Title  
**LANDSCAPE SITE PLAN - Q2**

	Document Date <b>08-01-24</b>	Project Number <b>23-061V</b>
	Date Last Revised	Sheet Number <b>L0.2</b>

SCALE: 1" = 40'-0"

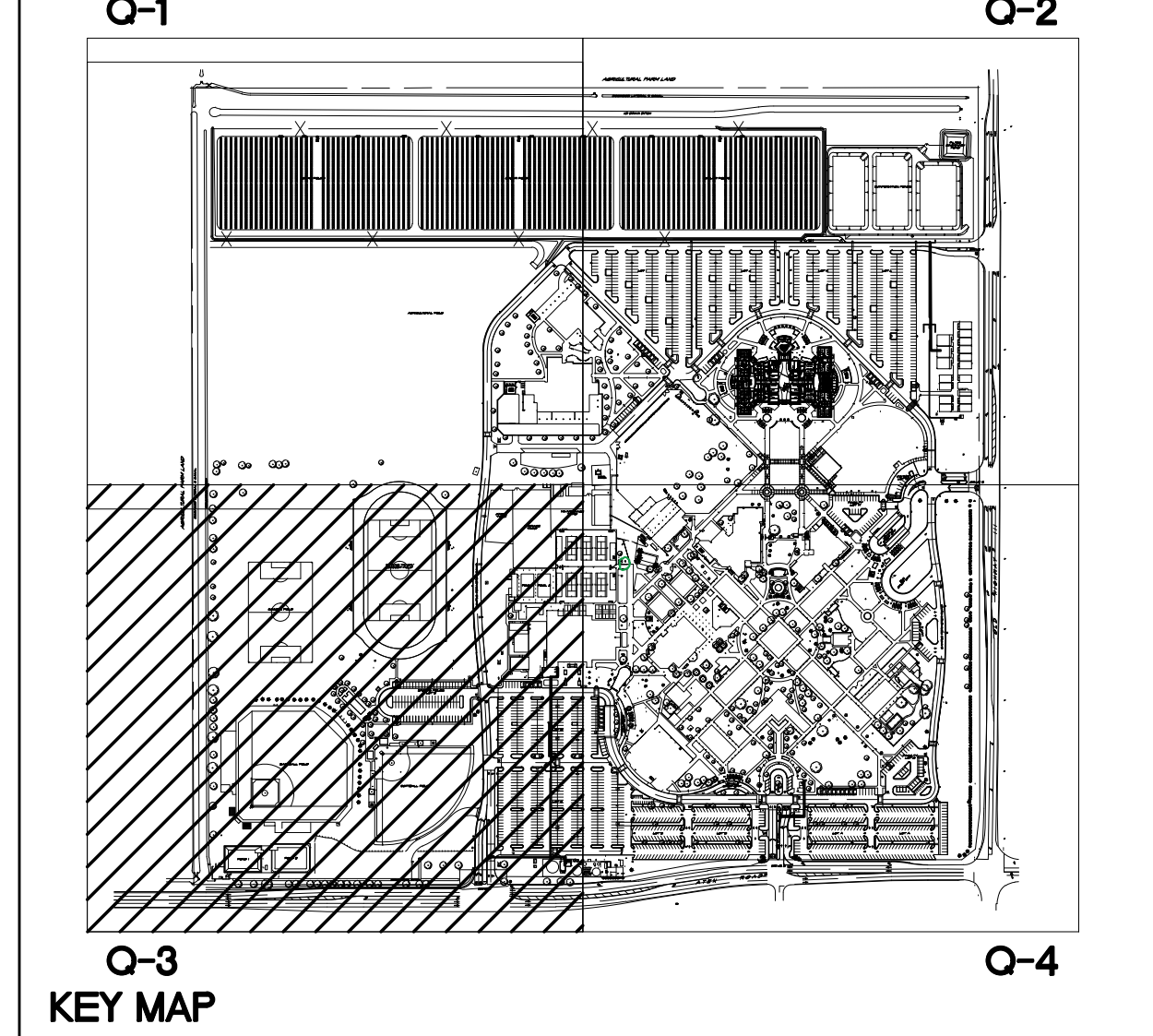


- APPROVALS**
- LEGEND:**
- EXISTING NATURAL DIRT - SEE ENLARGED DRAWINGS
  - EXISTING LANDSCAPE - GRASS - SEE ENLARGED DRAWINGS
  - EXISTING DECOMPOSED GRANITE - DESERT GOLD OR SIMILAR - SEE ENLARGED DRAWINGS
  - NEW COMMUNICATIONS LINE - SEE COMMUNICATION DRAWINGS
  - NEW ELECTRICAL LINE - SEE ELECTRICAL DRAWINGS

- BOUGAINVILLEA LA JOLLA**  
*BOUGAINVILLEA SPECTABILIS*
- BOXWOOD BEAUTY SHRUB**  
*CARISSA MACROCARPA*
- WILLOW ACACIA**  
*ACACIA SALICINA*
- DEER GRASS**  
*HALENBERGIA RIGENS*
- GREEN CLOUD TEXAS RANGER**  
*LEUCOPHYLLUM FRUTESCENS*
- RED BIRD OF PARADISE SHRUB**  
*CAESALPINA PULCHERRIMA*
- CHINESE ELM TREE**  
*ULMUS PARVIFOLIA*
- TOOTHLESS SOTOL**  
*DASYLIRION QUADRANGULATUM*
- VARIEGATED CENTURY PLANTS**  
*AGAVE AMERICANA MARGINATA*
- EUCALYPT**  
*EUCALYPTUS*
- OLEANDER**  
*NERIUM OLEANDER*
- PALO VERDE**  
*PARKINSONIA ACULEATA*
- RED YUCCA**  
*HESPERALOE PARVIFLORA*

**NOTES:**

1. LANDSCAPE SHOWN IN THIS PLAN IS EXISTING.
2. THIS PLAN IS FOR REFERENCE ONLY TO BE USED AS A GUIDE TO REPLACE EXISTING LANDSCAPE DISTURBED DURING CONSTRUCTION.
3. THIS PLAN DOES NOT PROPOSE NEW LANDSCAPE.



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Project Title  
**IMPERIAL VALLEY COLLEGE  
CAMPUS SECURITY CAMERA REPLACEMENT**

Sheet Title  
**LANDSCAPE SITE PLAN - Q3**

	Document Date <b>07-15-24</b>	Project Number <b>23-061V</b>
	Date Last Revised	Sheet Number <b>L0.3</b>

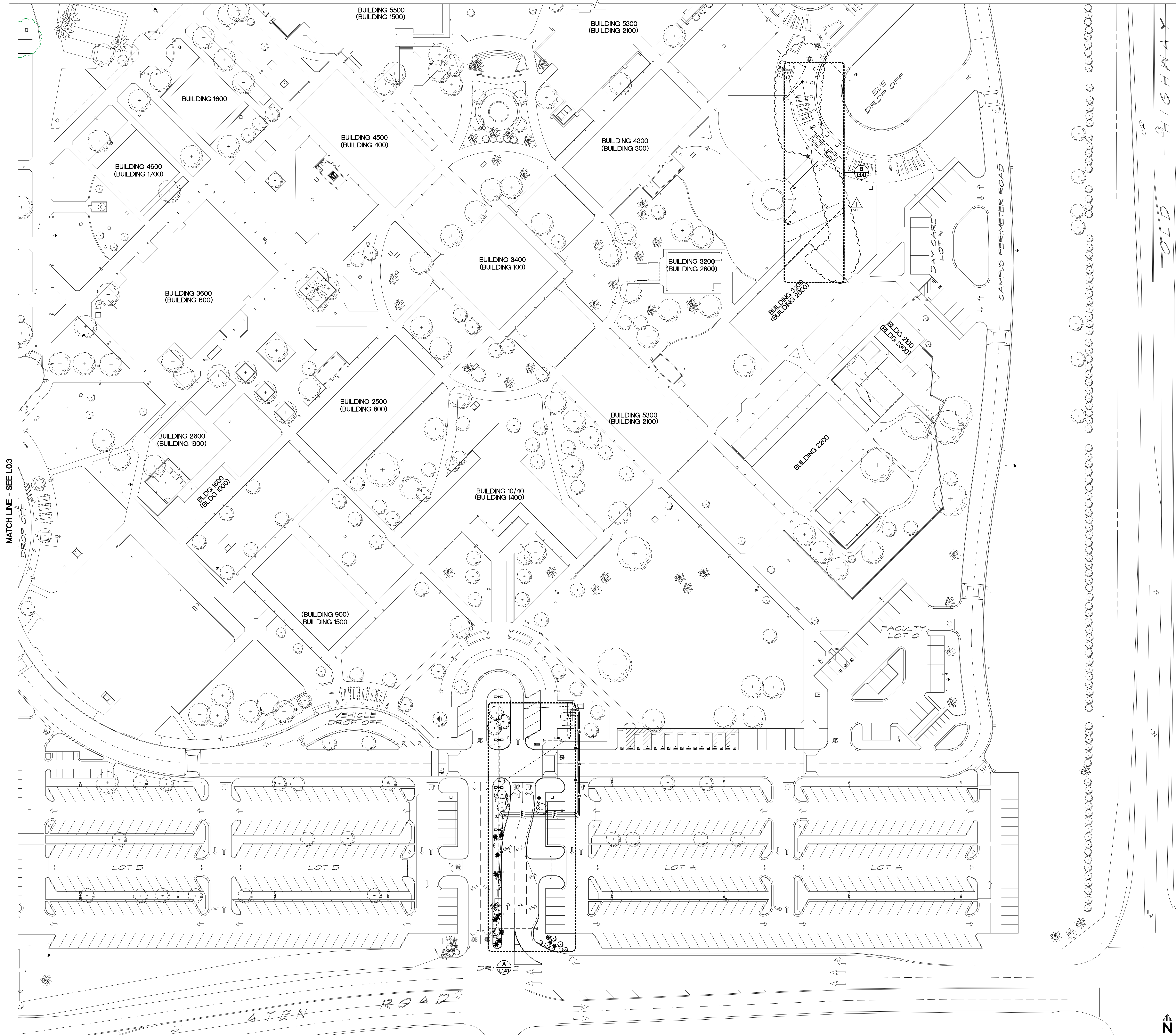
**LANDSCAPE SITE PLAN - Q3**

SCALE: 1" = 40'-0"



A

MATCH LINE - SEE AS52

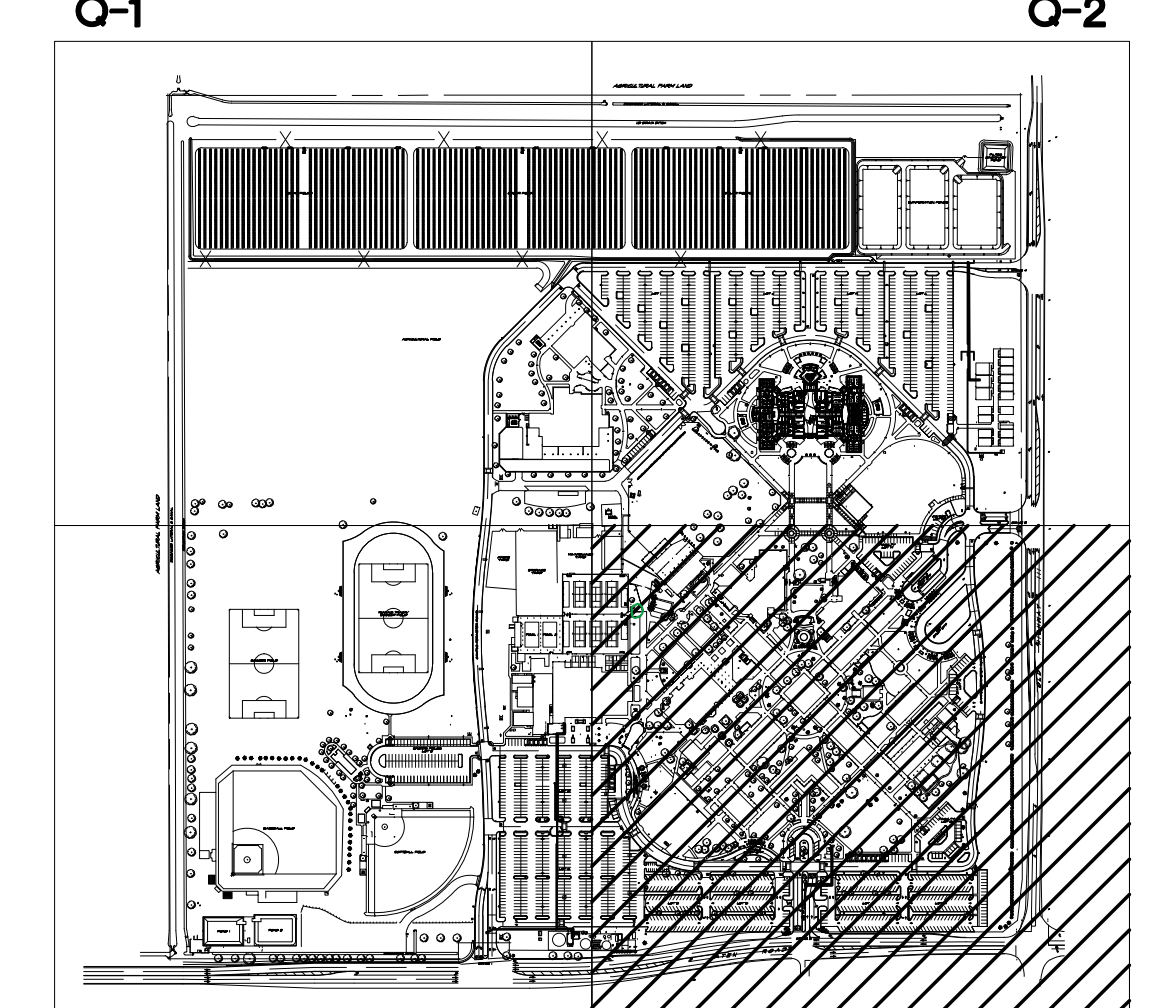


APPROVALS

LEGEND:

- EXISTING NATURAL DIRT - SEE ENLARGED DRAWINGS
- EXISTING LANDSCAPE - GRASS - SEE ENLARGED DRAWINGS
- EXISTING DECOMPOSED GRANITE - DESERT GOLD OR SIMILAR - SEE ENLARGED DRAWINGS
- NEW COMMUNICATIONS LINE - SEE COMMUNICATION DRAWINGS
- NEW ELECTRICAL LINE - SEE ELECTRICAL DRAWINGS
- ALTERNATE ADD I SCOPE OF WORK
- BOUGAINVILLEA LA JOLLA**  
*BOUGAINVILLEA SPECTABILIS*
- BOXWOOD BEAUTY SHRUB**  
*CARISSA MACROCARPA*
- WILLOW ACACIA**  
*ACACIA SALICINA*
- DEER GRASS**  
*HELENBERGIA RIGENS*
- GREEN CLOUD TEXAS RANGER**  
*LEUCOPHYLLUM FRUTESCENS*
- RED BIRD OF PARADISE SHRUB**  
*CAESALPINA PULCHERRIMA*
- CHINESE ELM TREE**  
*ULMUS PARVIFOLIA*
- TOOTHLESS SOTOL**  
*DASYLIRION QUADRANGULATUM*
- VARIEGATED CENTURY PLANTS**  
*AGAVE AMERICANA MARGINATA*
- EUCALYPT**  
*EUCALYPTUS*
- OLEANDER**  
*NERIUM OLEANDER*
- PALO VERDE**  
*PARKINSONIA AGUILEATA*
- RED YUCCA**  
*HESPERALOE PARVIFLORA*

NOTES:  
 1. LANDSCAPE SHOWN IN THIS PLAN IS EXISTING.  
 2. THIS PLAN IS FOR REFERENCE ONLY TO BE USED AS A GUIDE TO REPLACE EXISTING LANDSCAPE DISTURBED DURING CONSTRUCTION.  
 3. THIS PLAN DOES NOT PROPOSE NEW LANDSCAPE.



KEY MAP

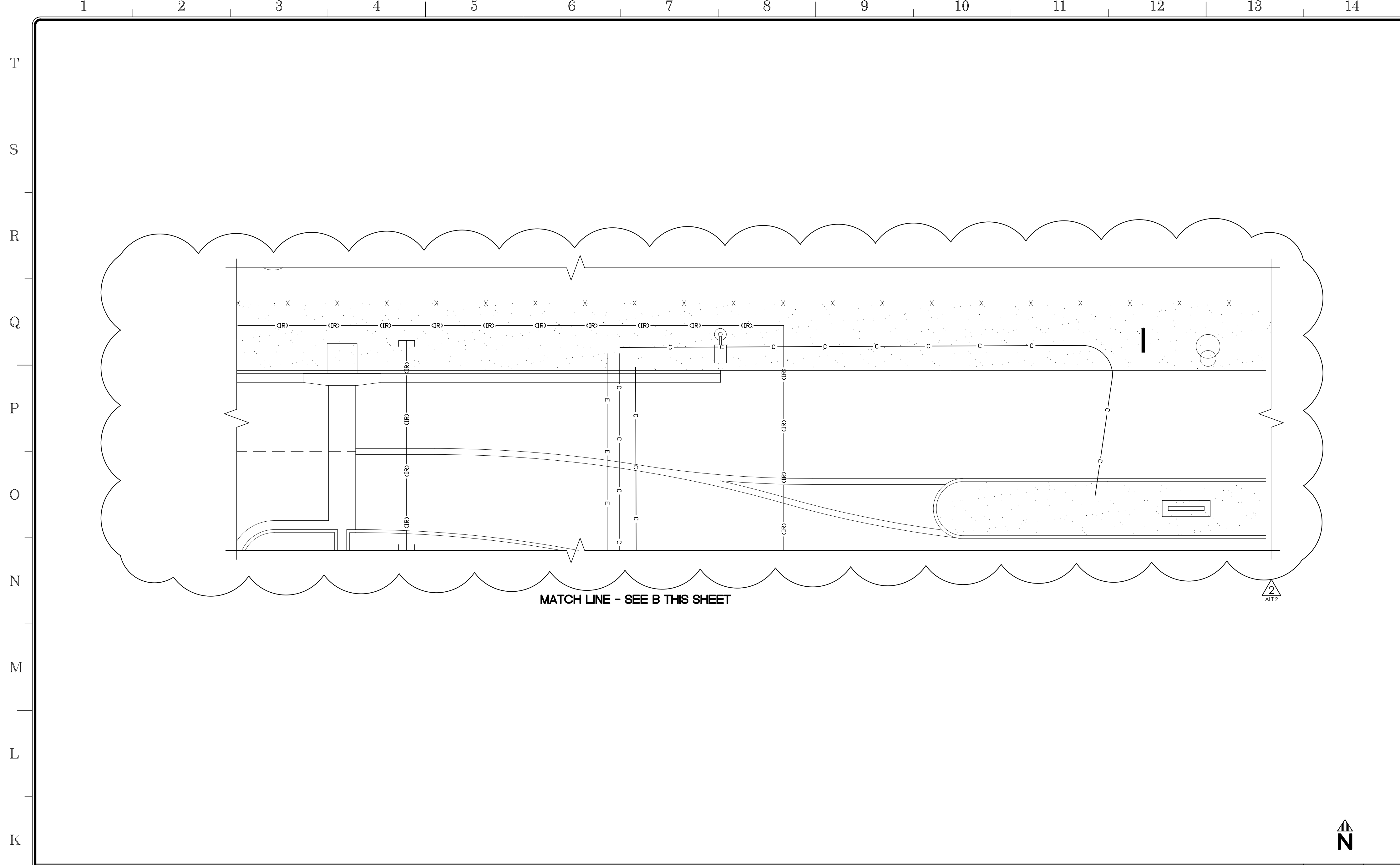
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Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT**

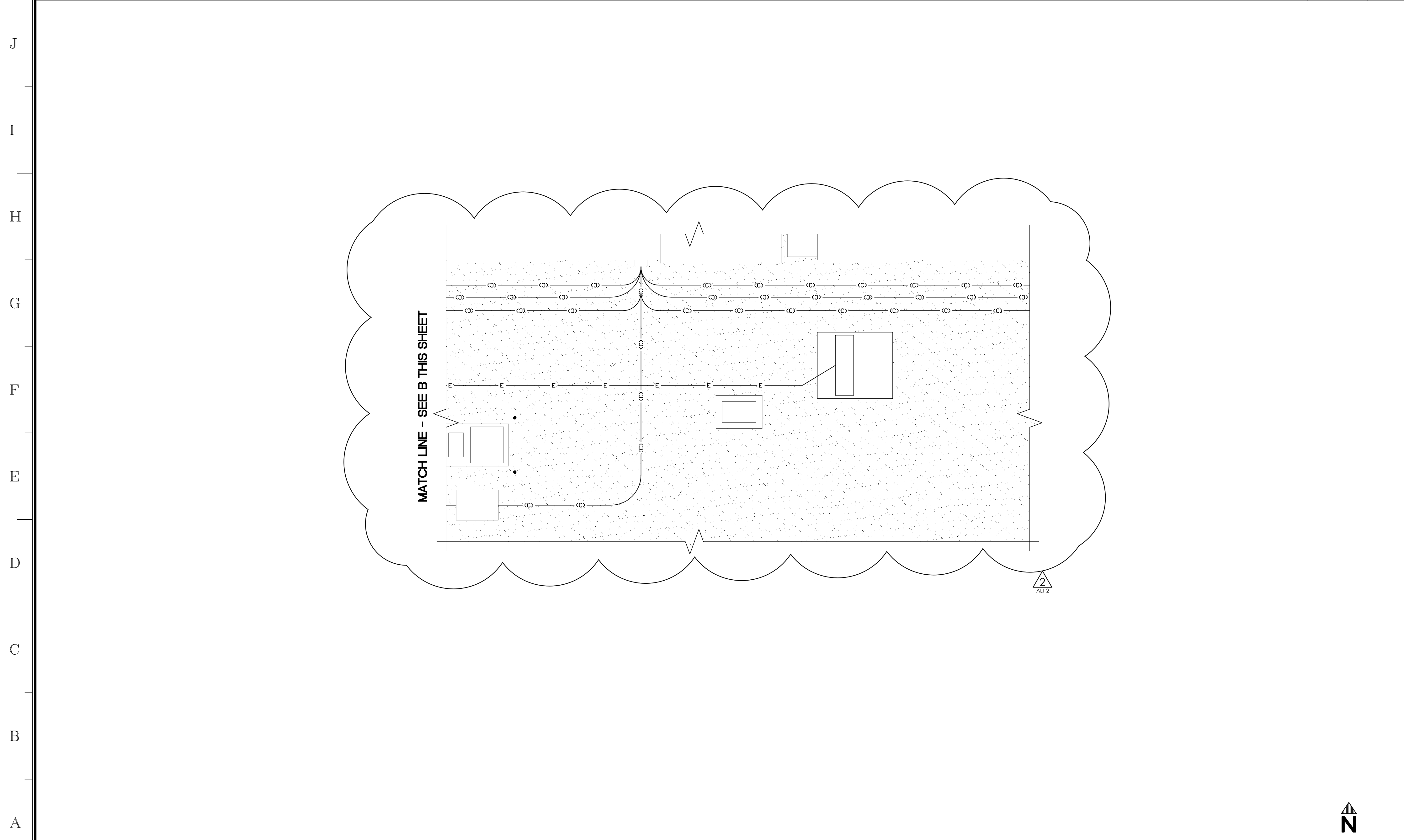
Sheet Title  
**LANDSCAPE SITE PLAN - Q4**

	Document Date <b>07-15-24</b>	Project Number <b>23-061V</b>
	Date Last Revised	Sheet Number <b>L0.4</b>



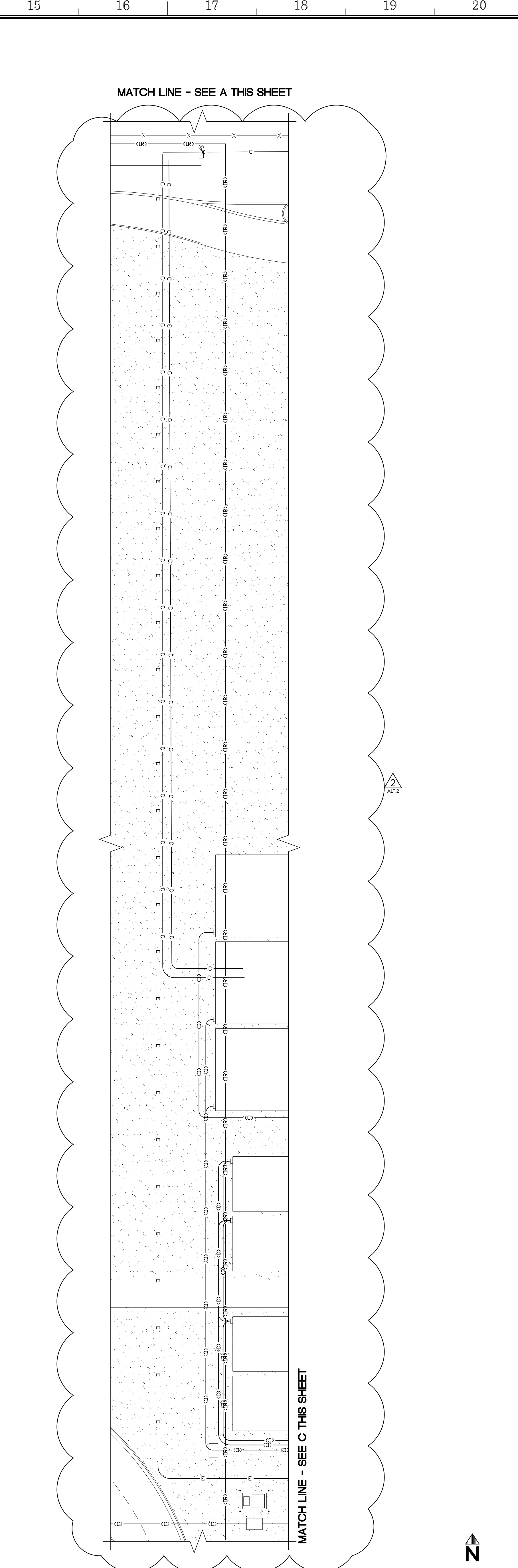
PLANTING PLAN - ENLARGED

SCALE: 1" = 10'-0" A



PLANTING PLAN - ENLARGED

SCALE: NTS C



SCALE: NTS B

**APPROVALS**

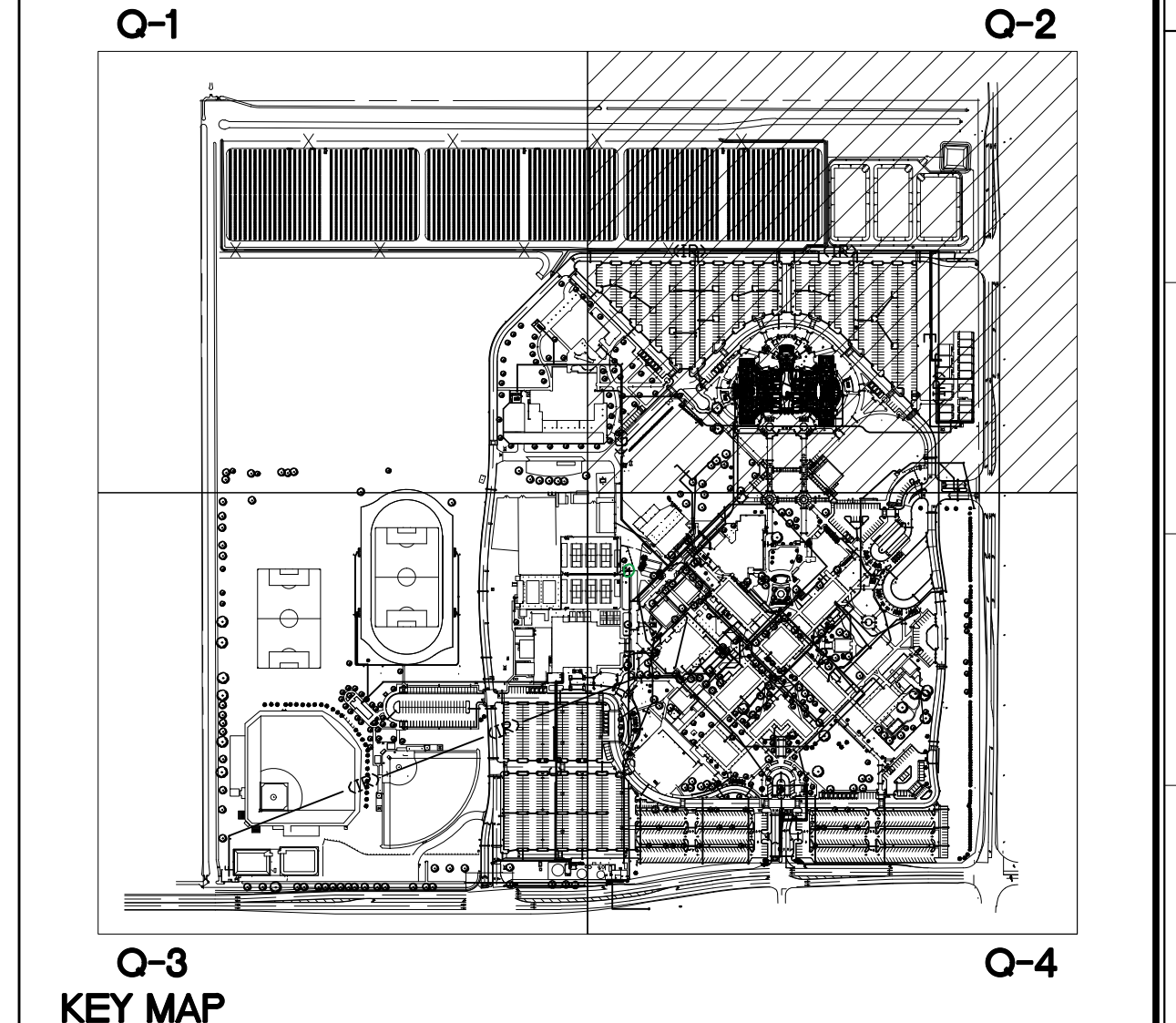
**LEGEND:**

- EXISTING NATURAL DIRT
- EXISTING LANDSCAPE - GRASS
- EXISTING DECOMPOSED GRANITE - DESERT GOLD OR SIMILAR
- NEW COMMUNICATIONS LINE - SEE COMMUNICATION DRAWINGS
- NEW ELECTRICAL LINE - SEE ELECTRICAL DRAWINGS
- ALTERNATE ADD 2 SCOPE OF WORK

- PALM TREE**  
WASHINGTONIA
- BOUGAINVILLEA LA JOLLA**  
BOUGAINVILLEA SPECTABILIS
- BOXWOOD BEAUTY SHRUB**  
CARISSA MACROCARPA
- WILLOW ACACIA**  
ACACIA SALICINA
- DEER GRASS**  
HELENBERGIA RIGENS
- GREEN CLOUD TEXAS RANGER**  
LEUCOPHYLLUM FRUTESCENS
- RED BIRD OF PARADISE SHRUB**  
CAESALPINA PULCHERRIMA
- CHINESE ELM TREE**  
ULMUS PARVIFOLIA
- TOOTHLESS SOTOL**  
DASYLIRION QUADRANGULATUM
- VARIEGATED CENTURY PLANTS**  
AGAVE AMERICANA VARIEGATA
- EUCALYPT**  
EUCALYPTUS
- OLEANDER**  
NERIUM OLIVACEUM
- PALO VERDE**  
PARKINSONIA ACULEATA
- RED YUCCA**  
HESPERALOE PARVIFLORA

**NOTES:**

- LANDSCAPE SHOWN IN THIS PLAN IS EXISTING.
- THIS PLAN IS FOR REFERENCE ONLY TO BE USED AS A GUIDE TO REPLACE EXISTING LANDSCAPE DURING DRIVING CONSTRUCTION.
- THIS PLAN DOES NOT PROPOSE NEW LANDSCAPE.



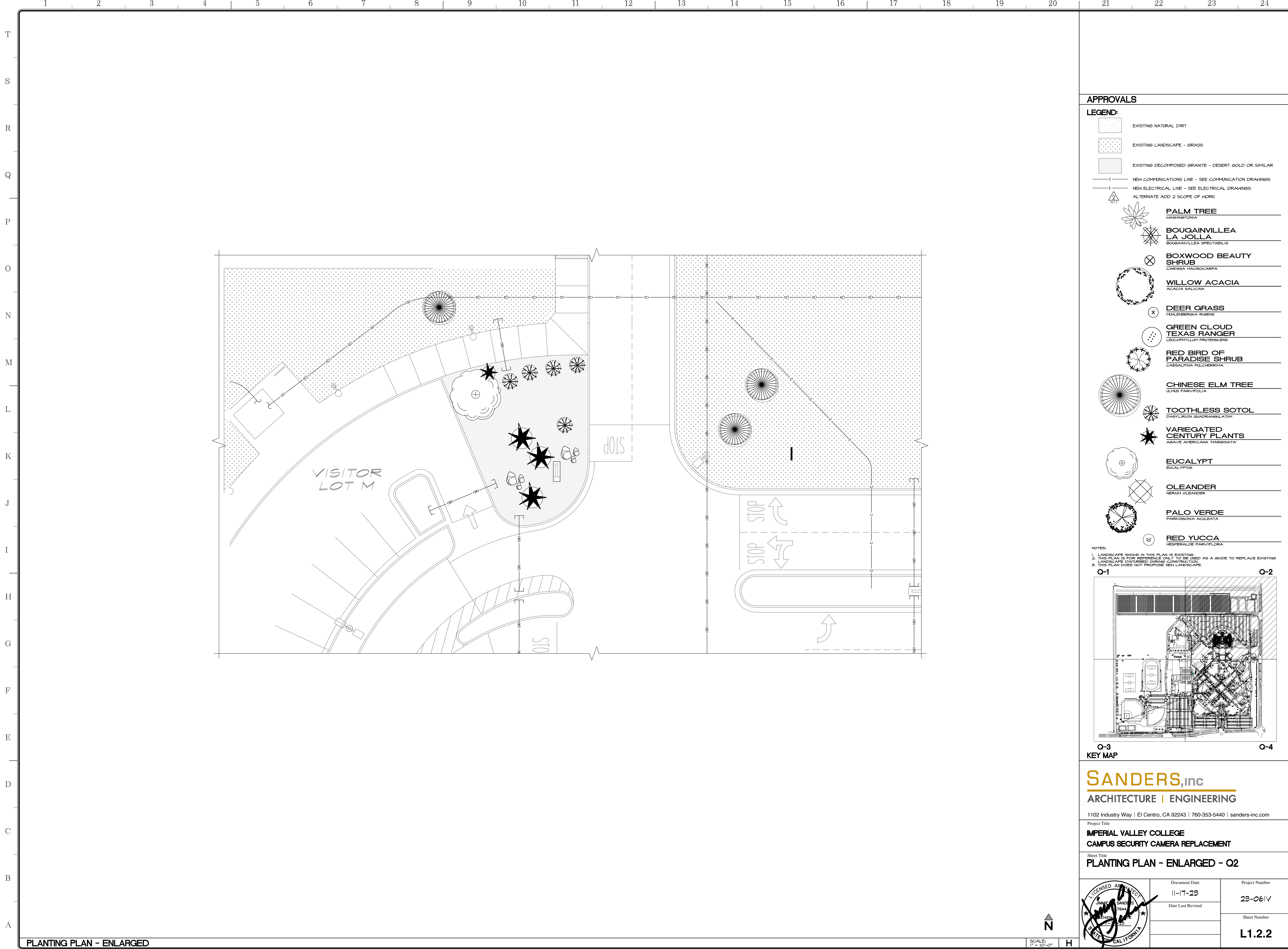
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Project Title  
**IMPERIAL VALLEY COLLEGE  
CAMPUS SECURITY CAMERA REPLACEMENT**

Sheet Title  
**PLANTING PLANS - ENLARGED - Q2**

	Document Date 07-15-24	Project Number 23-061V
	Date Last Revised	Sheet Number <b>L1.2.1</b>



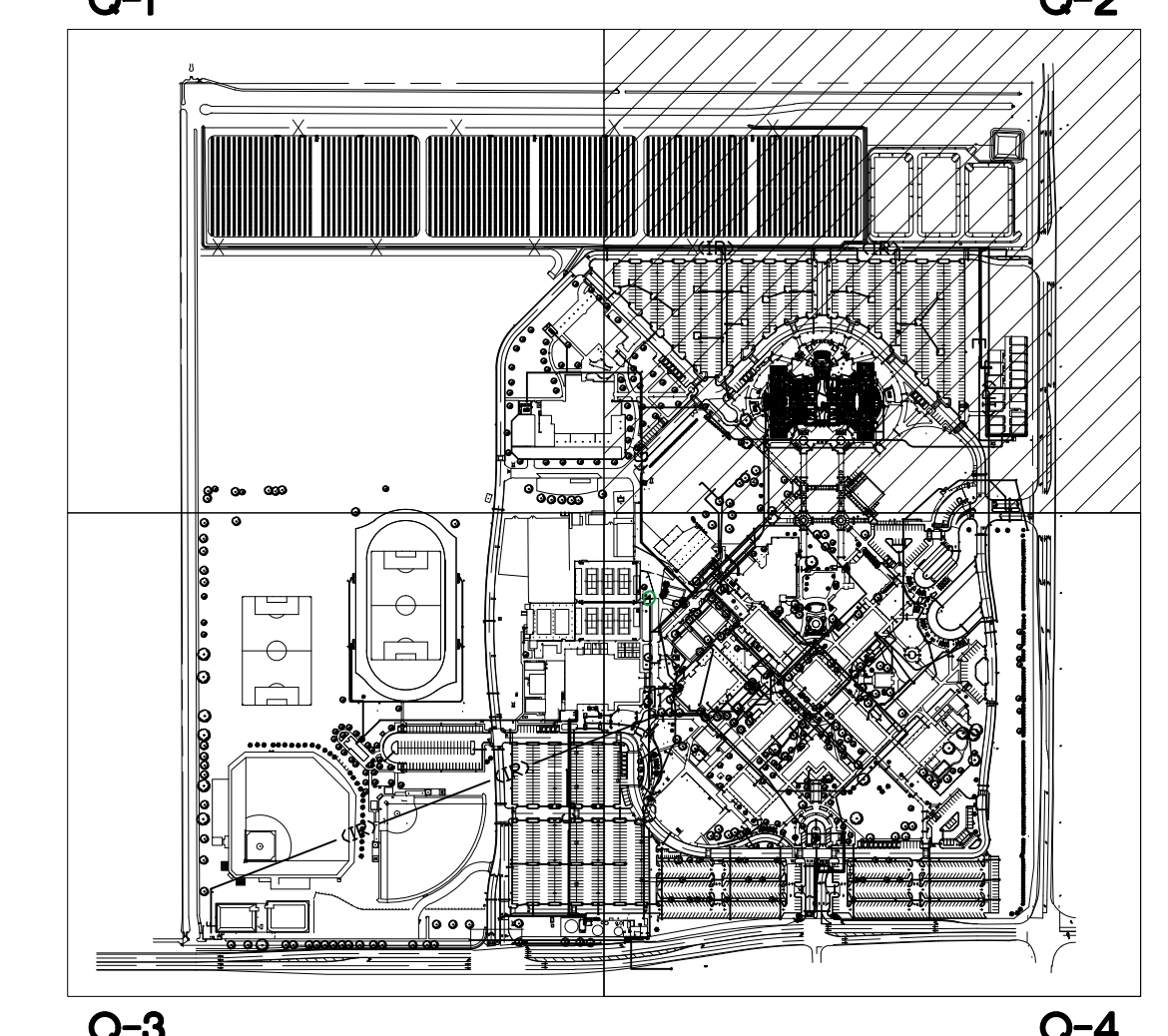
**APPROVALS**

**LEGEND:**

- EXISTING NATURAL DIRT
- EXISTING LANDSCAPE - GRASS
- EXISTING DECOMPOSED GRANITE - DESERT GOLD OR SIMILAR
- NEW COMMUNICATIONS LINE - SEE COMMUNICATION DRAWINGS
- NEW ELECTRICAL LINE - SEE ELECTRICAL DRAWINGS
- ALTERNATE ADD 2 SCOPE OF WORK

- PALM TREE**  
WASHINGTONIA
- BOUGAINVILLEA LA JOLLA**  
BOUGAINVILLEA SPECTABILIS
- BOXWOOD BEAUTY SHRUB**  
CARISSA MACROCARPA
- WILLOW ACACIA**  
ACACIA SALICINA
- DEER GRASS**  
HELENBERGIA RISENS
- GREEN CLOUD TEXAS RANGER**  
LEUCOPHYLLUM FRUTESCENS
- RED BIRD OF PARADISE SHRUB**  
CAESALPINA PULCHERRIMA
- CHINESE ELM TREE**  
ULMUS PARVIFOLIA
- TOOTHLESS SOTOL**  
DASYLIRION QUADRANGULATUM
- VARIEGATED CENTURY PLANTS**  
AGAVE AMERICANA VARIEGATA
- EUCALYPT**  
EUCALYPTUS
- OLEANDER**  
NERIUM OLEANDER
- PALO VERDE**  
PARKINSONIA ACULEATA
- RED YUCCA**  
HESPERALGE PARVIFLORA

NOTES:  
 1. LANDSCAPE SHOWN IN THIS PLAN IS EXISTING.  
 2. THIS PLAN IS FOR REFERENCE ONLY TO BE USED AS A GUIDE TO REPLACE EXISTING LANDSCAPE DURING DRIVING CONSTRUCTION.  
 3. THIS PLAN DOES NOT PROPOSE NEW LANDSCAPE.



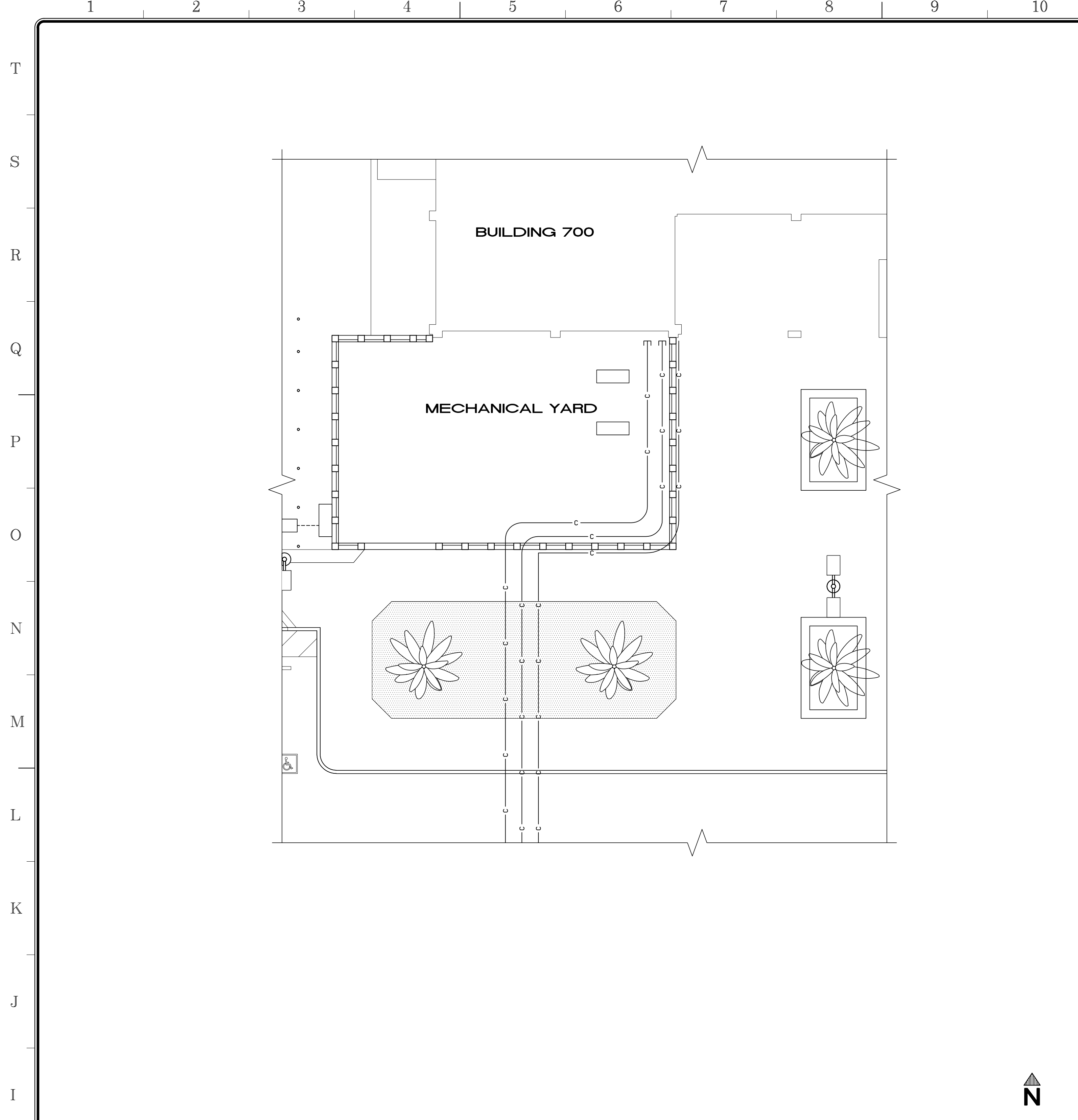
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Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT**

Sheet Title  
**PLANTING PLAN - ENLARGED - Q2**

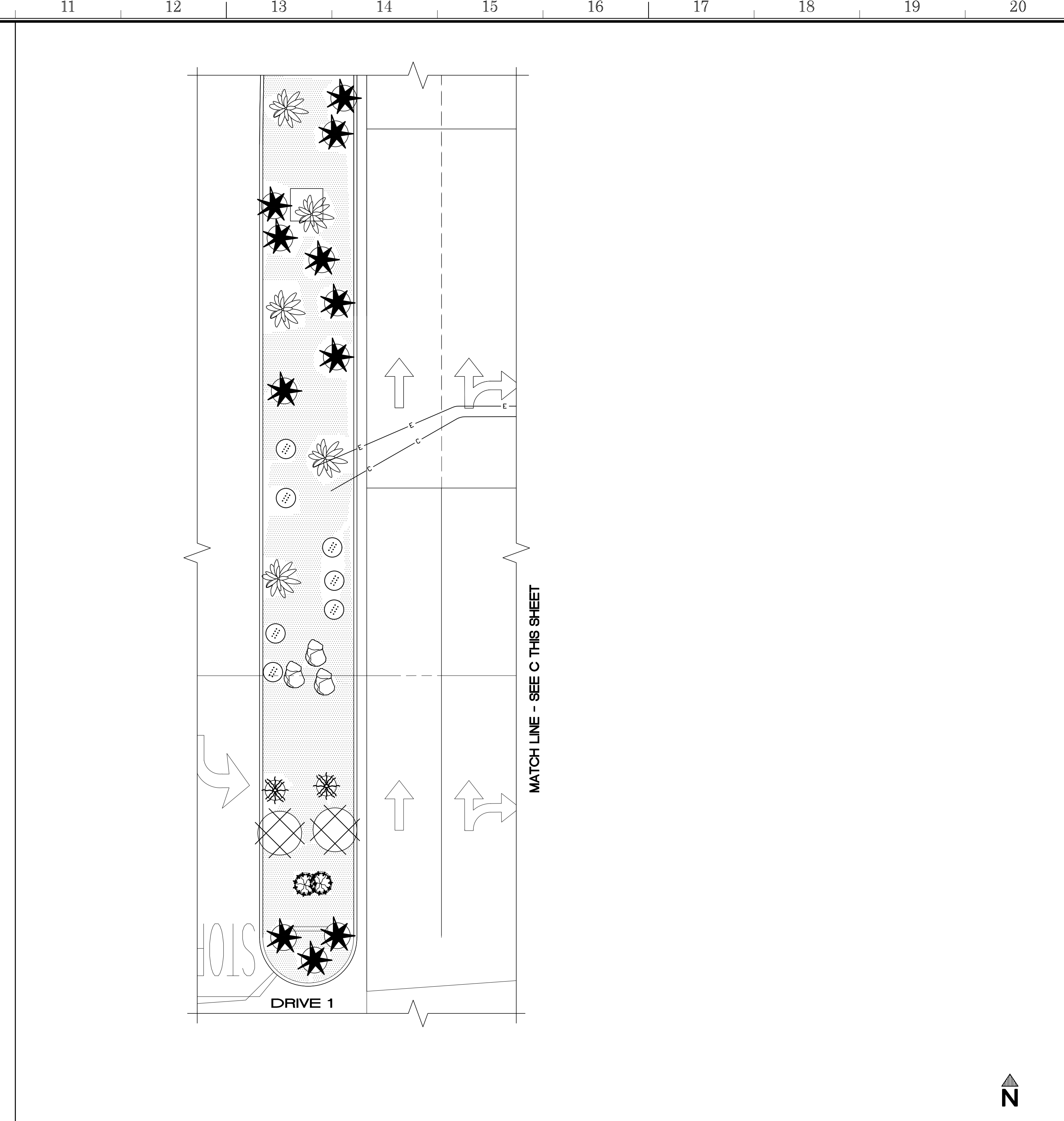
	Document Date 11-17-23	Project Number 23-061V
	Date Last Revised	Sheet Number L1.2.2





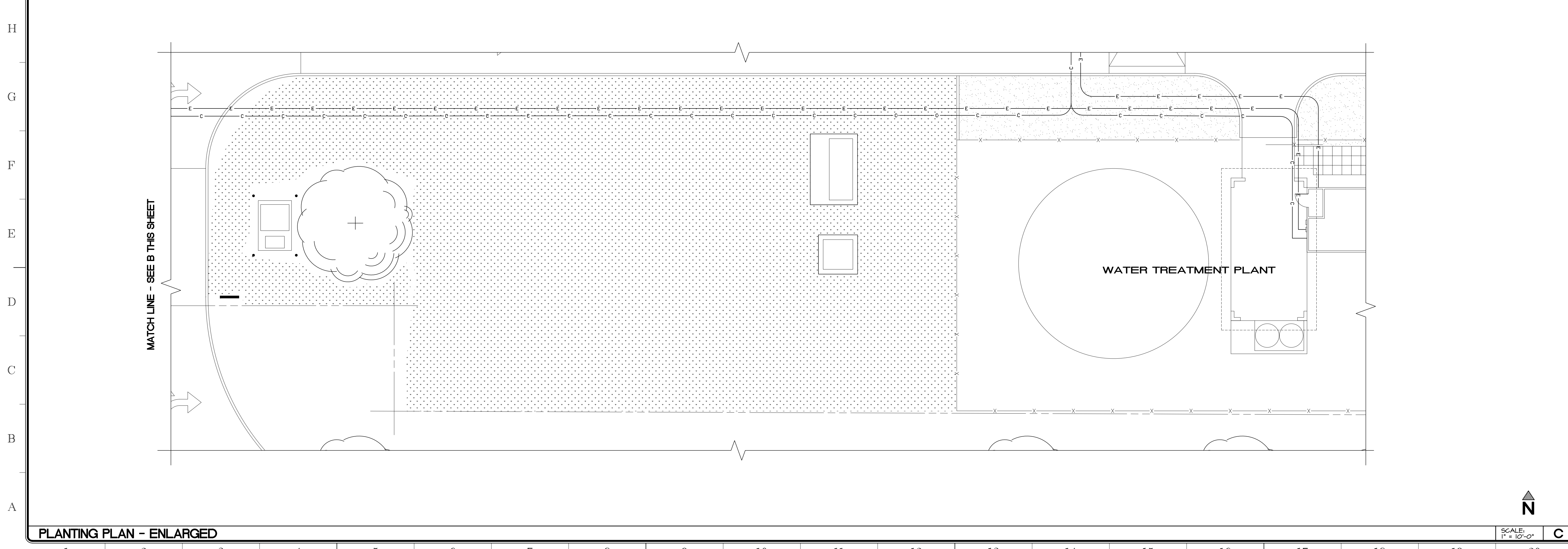
PLANTING PLAN - ENLARGED

SCALE: 1" = 10'-0"



PLANTING PLAN - ENLARGED

SCALE: 1" = 10'-0"



PLANTING PLAN - ENLARGED

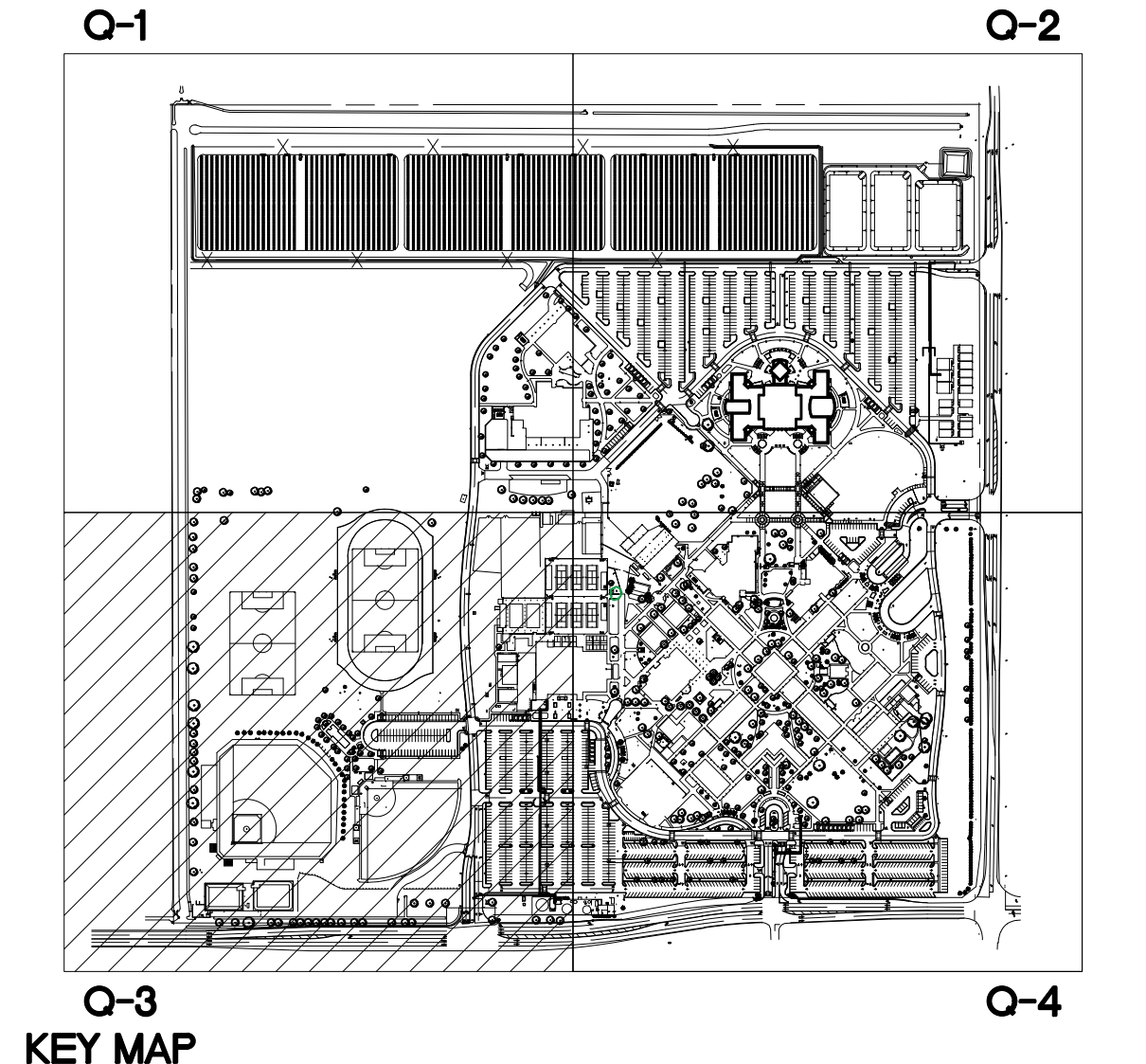
SCALE: 1" = 10'-0"

APPROVALS

LEGEND:

- EXISTING NATURAL DIRT
- EXISTING LANDSCAPE - GRASS
- EXISTING DECOMPOSED GRANITE - DESERT GOLD OR SIMILAR
- NEW COMMUNICATIONS LINE - SEE COMMUNICATION DRAWINGS
- NEW ELECTRICAL LINE - SEE ELECTRICAL DRAWINGS
- PALM TREE**  
WASHINGTONIA
- BOUGAINVILLEA LA JOLLA**  
BOUGAINVILLEA SPECTABILIS
- BOXWOOD BEAUTY SHRUB**  
CARISSA MACROCARPA
- WILLOW ACACIA**  
ACACIA SALICINA
- DEER GRASS**  
HELENBERGIA RIGENS
- GREEN CLOUD TEXAS RANGER**  
LEUCOPHYLLUM FRUTESCENS
- RED BIRD OF PARADISE SHRUB**  
CAESALPINA PULCHERRIMA
- CHINESE ELM TREE**  
ULMUS PARVIFOLIA
- TOOTHLESS SOTOL**  
DASYLIROTIUM QUADRANGULATUM
- VARIEGATED CENTURY PLANTS**  
AGAVE AMERICANA VARIEGATA
- EUCALYPT**  
EUCALYPTUS
- OLEANDER**  
NERIUM OLEANDER
- PALO VERDE**  
PARKINSONIA ACULEATA
- RED YUCCA**  
HESPERALOE PARVIFLORA

NOTES:  
 1. LANDSCAPE SHOWN IN THIS PLAN IS EXISTING.  
 2. THIS PLAN IS FOR REFERENCE ONLY TO BE USED AS A GUIDE TO REPLACE EXISTING LANDSCAPE DISTURBED DURING CONSTRUCTION.  
 3. THIS PLAN DOES NOT PROPOSE NEW LANDSCAPE.



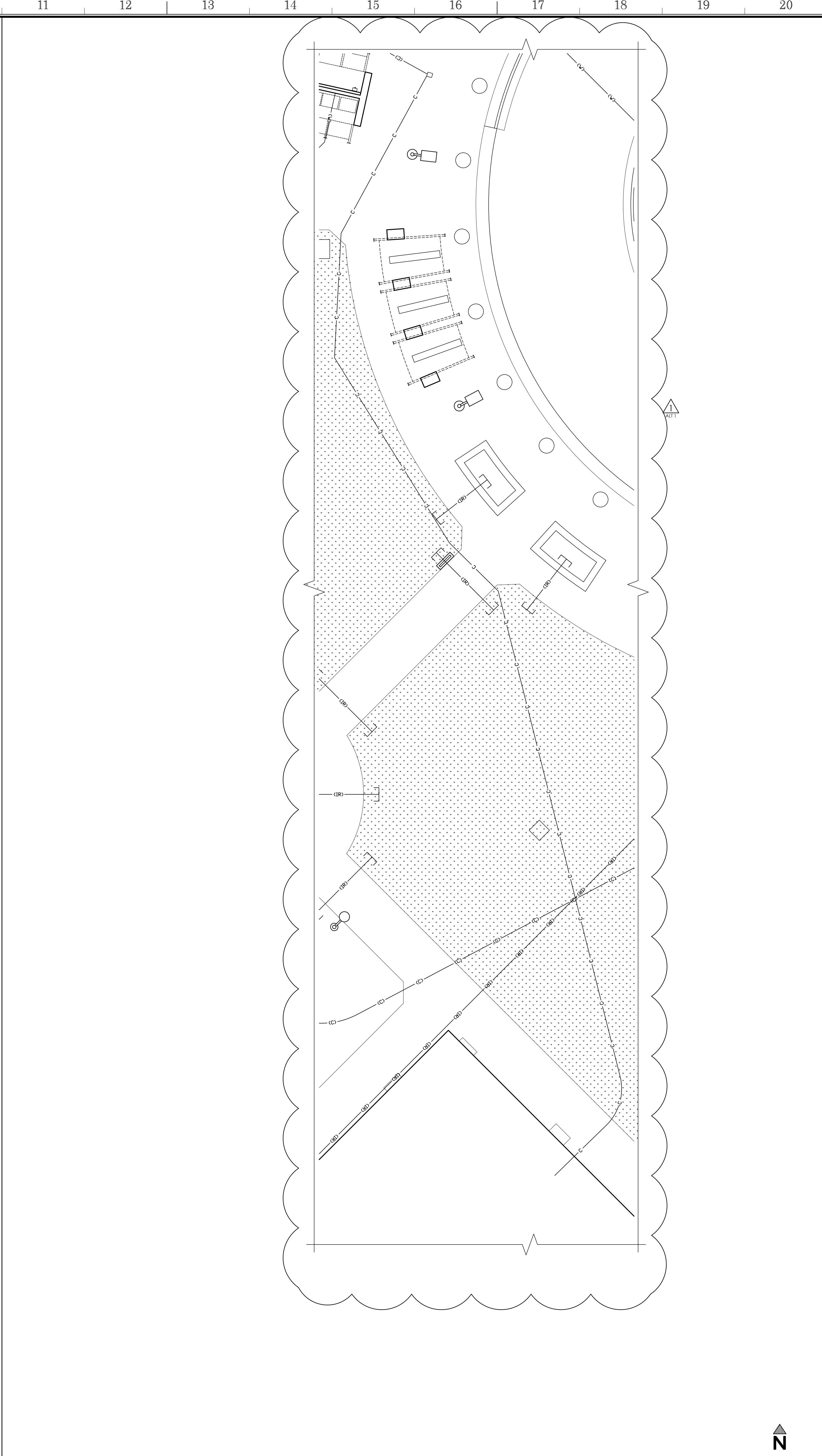
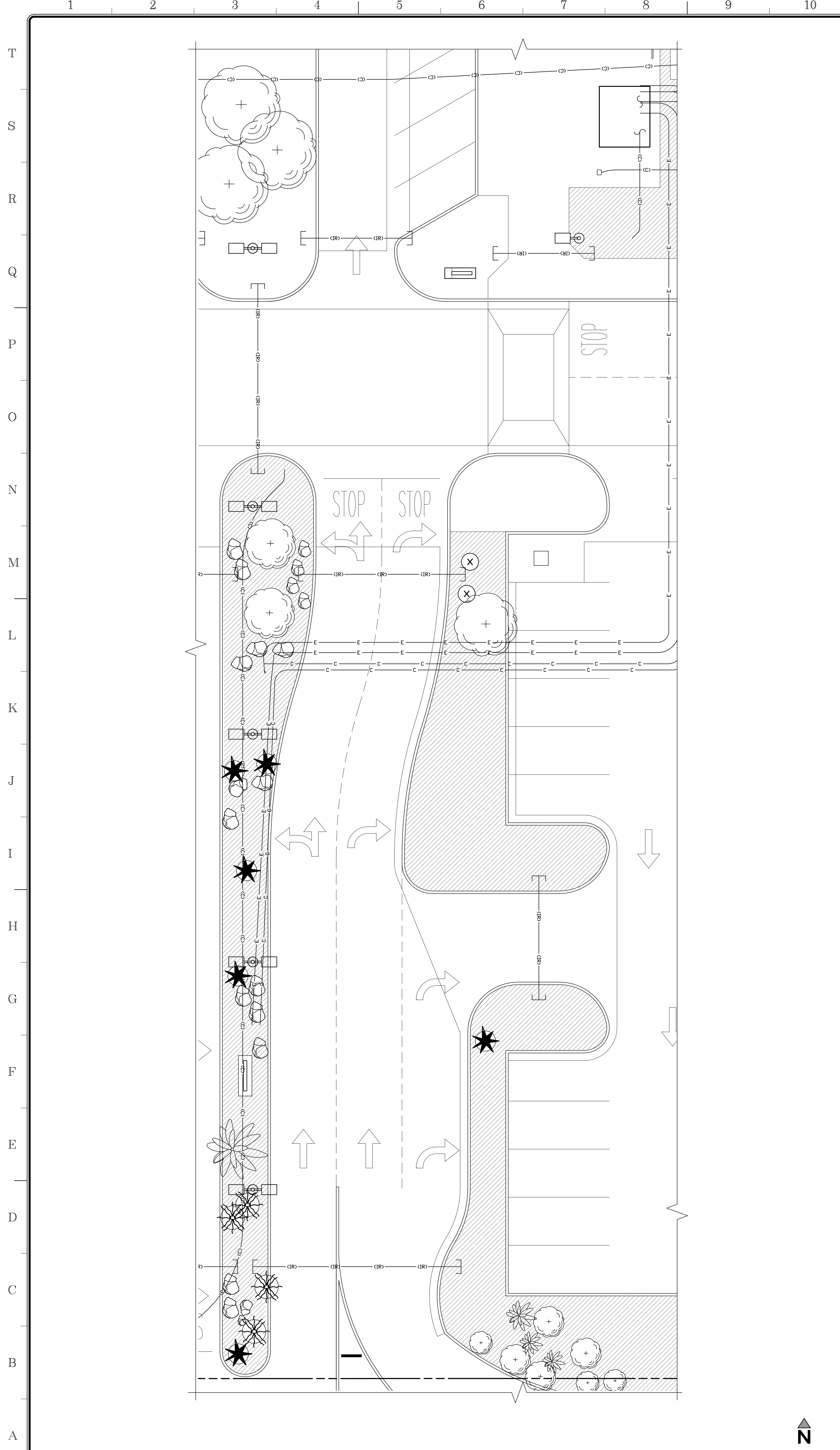
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Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT**

Sheet Title  
**PLANTING PLAN - ENLARGED - Q3**

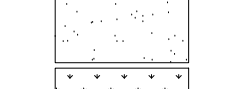
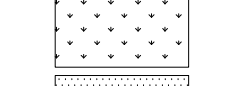
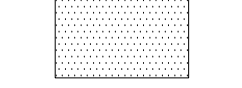
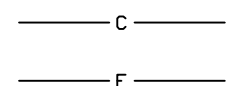
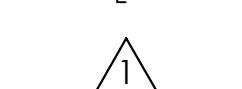









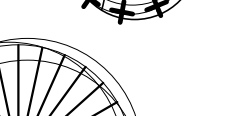





	Document Date 08-01-24	Project Number 23-061V
	Date Last Revised	Sheet Number <b>L1.3.1</b>



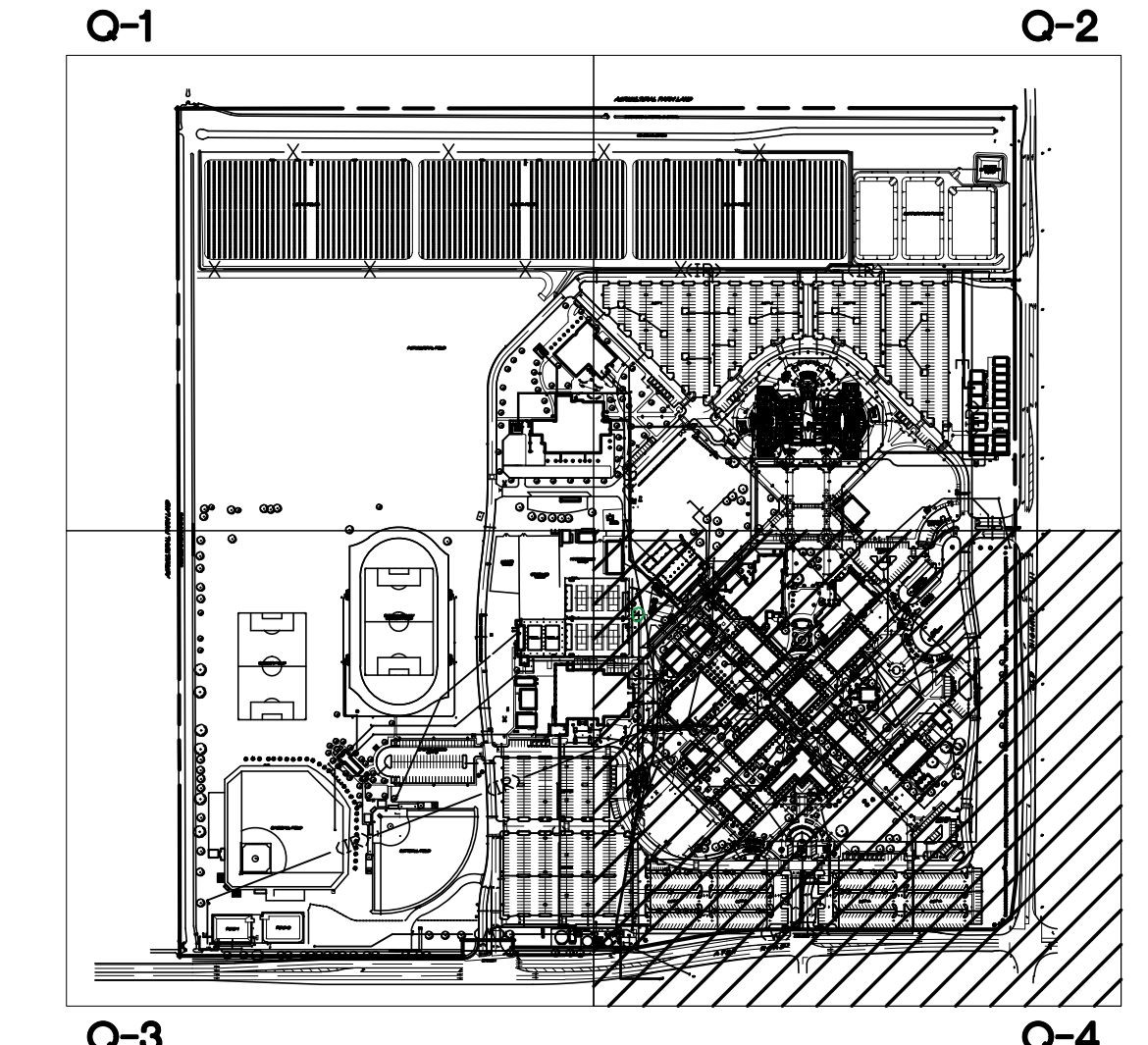


**APPROVALS**

**LEGEND:**

-  EXISTING NATURAL DIRT
-  EXISTING LANDSCAPE - GRASS
-  EXISTING DECOMPOSED GRANITE - DESERT GOLD OR SIMILAR
-  NEW COMMUNICATIONS LINE - SEE COMMUNICATION DRAWINGS
-  NEW ELECTRICAL LINE - SEE ELECTRICAL DRAWINGS
-  ALTERNATE ADD | SCOPE OF WORK
-  **PALM TREE**  
*WASHINGTONIA*
-  **BOUGAINVILLEA LA JOLLA**  
*BOUGAINVILLEA SPECTABILIS*
-  **BOXWOOD BEAUTY SHRUB**  
*CARISSA MACROCARPA*
-  **WILLOW ACACIA**  
*ACACIA SALICINA*
-  **DEER GRASS**  
*MULLENBERGIA RIENS*
-  **GREEN CLOUD TEXAS RANGER**  
*LEUCOPHYLLUM PROTENSUM*
-  **RED BIRD OF PARADISE SHRUB**  
*CAESALPINA PULCHERRIMA*
-  **CHINESE ELM TREE**  
*ULMUS PARVIFOLIA*
-  **TOOTHLESS SOTOL**  
*DASYLIRION QUADRANGULATUM*
-  **VARIEGATED CENTURY PLANTS**  
*AGAVE AMERICANA 'MARGINATA'*
-  **EUCALYPT**  
*EUCALYPTUS*
-  **OLEANDER**  
*NERIUM OLEANDER*
-  **PALO VERDE**  
*PARKINSONIA ACULEATA*
-  **RED YUCCA**  
*HESPERALOE PARVIFLORA*

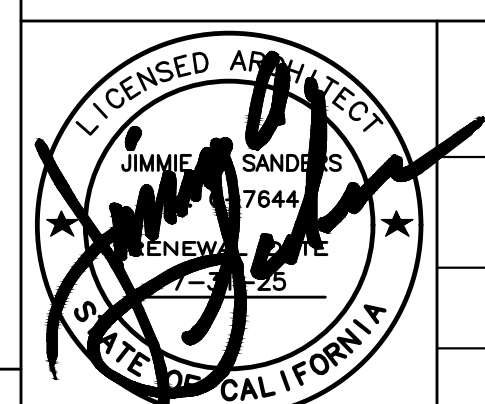
NOTES:  
 1. LANDSCAPE SHOWN IN THIS PLAN IS EXISTING.  
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 3. THIS PLAN DOES NOT PROPOSE NEW LANDSCAPE.



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Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT**

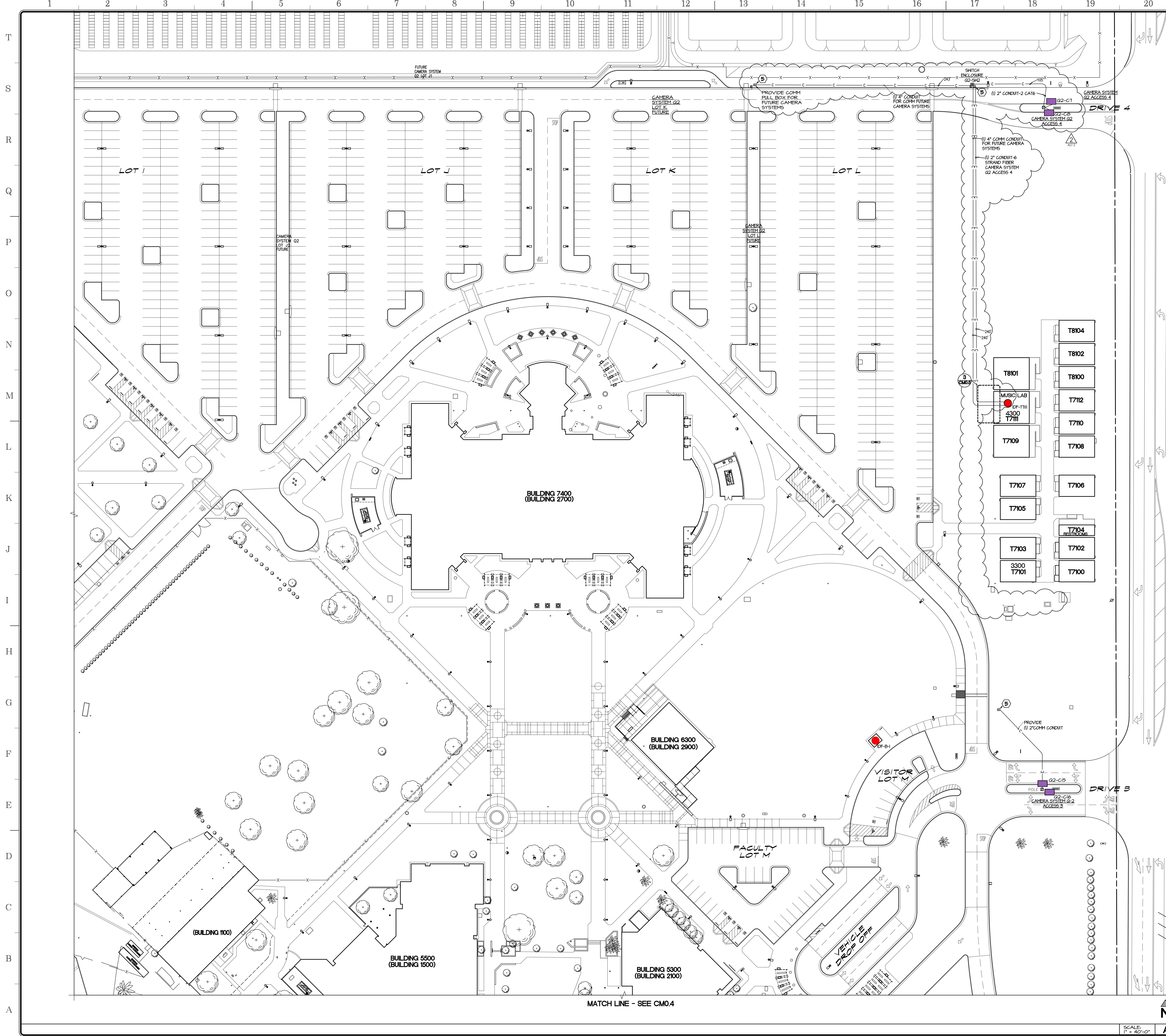
Sheet Title  
**PLANTING PLANS - ENLARGED - Q4**

	Document Date <b>08-01-24</b>	Project Number <b>23-061V</b>
	Date Last Revised	Sheet Number <b>L1.4.1</b>

PLANTING PLAN - ENLARGED

PLANTING PLAN - ENLARGED

PLANTING PLAN - ENLARGED



- ### APPROVALS
- #### LEGEND:
- ◆ FIXED CAMERA
  - ◆ FIXED LPR CAMERA
  - ▲ MULTISENSOR CAMERA
  - IDF ROOM
  - (E) IDF ROOM CAPABLE TO HANDLE MULTISENSOR CAMERAS
  - PROVIDE COMMUNICATIONS LINE - SEE NOTES ON PLAN
  - NEK POLE SQUARE SECTION 15
  - 28' APPROX. HORIZONTAL CONDUIT LENGTH
  - NEK COMMUNICATIONS PULL BOX
  - COMMUNICATIONS BOX WITH SWITCH 1
  - ▲ ALTERNATE ADD 2 SCOPE OF WORK

- #### KEYNOTES
- 1 EXISTING COMMUNICATIONS BOX - PROTECT
  - 2 EXISTING BLUE POLE - PROTECT
  - 3 PROVIDE SINGLE MODE (6) STRAND FIBER OPTICS FROM EXISTING IDF TO NEK SWITCH ENCLOSURE WITH 2" PVC CONDUIT QUANTITY NOTED
  - 4 PROVIDE CAT 6 CABLE QUANTITY NOTED WITH 2" PVC CONDUIT QUANTITY NOTED
  - 5 PROVIDE 24"x36" COMMUNICATIONS PULL BOX
  - 6 EXISTING ELECTRICAL BOX - PROTECT
  - 7 EXISTING MARQUEE - PROTECT
  - 8 PROVIDE (1) 2" CONDUIT WITH 6 STRANDS FIBER
  - 9 PROVIDE (1) 2" CONDUIT FOR FUTURE USE
  - 10 INTERRUPT EXISTING POWER/DATA CONDUIT

NOTES:

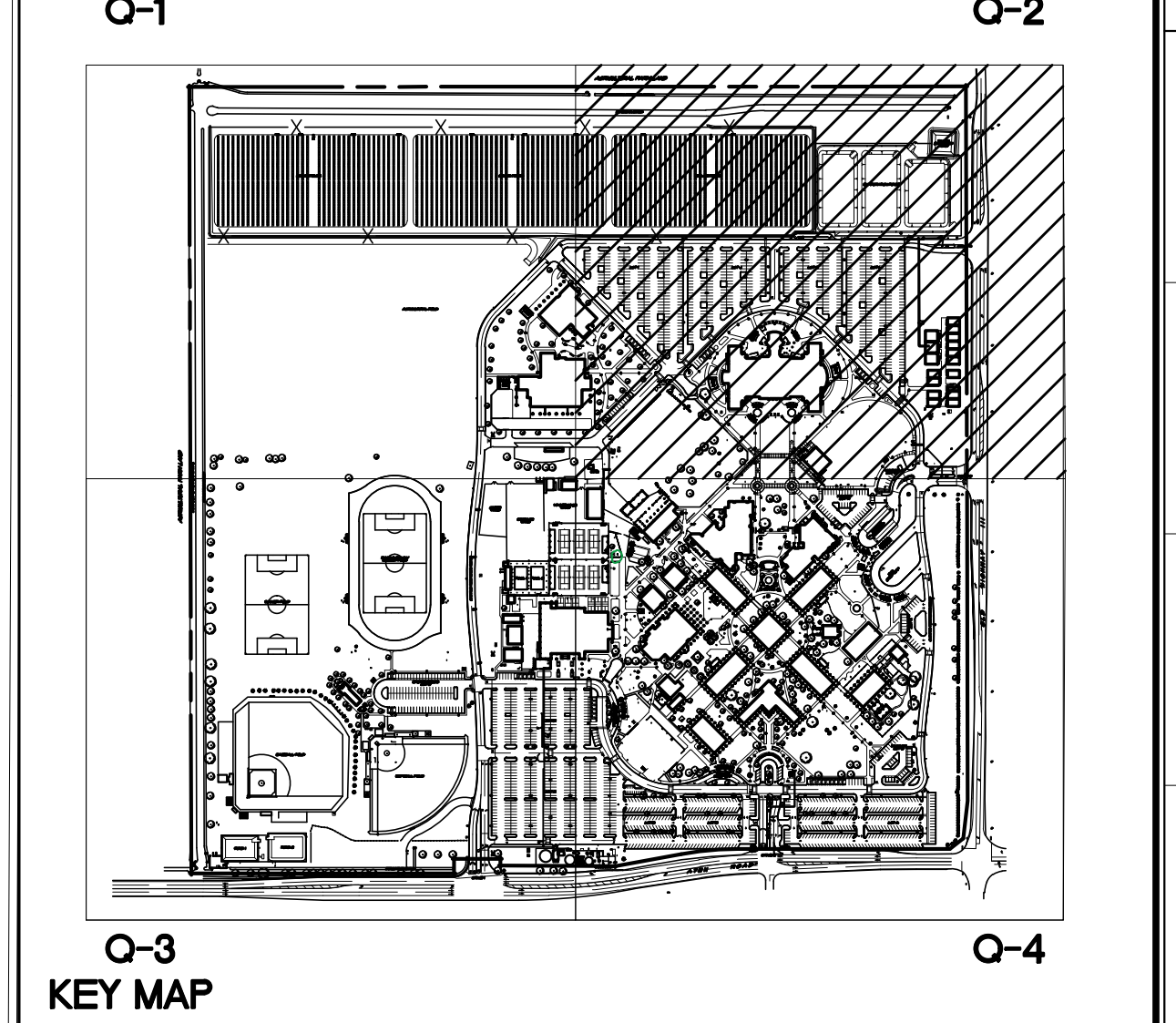
1. RUCKUS DOES NOT DIRECTLY PROVIDE THE 16X20-C08ZP SWITCH RUGGEDIZED VERSION. THIS IS THRU CRYSTAL GROUP. CONTACT @STACI@RUCKUS.COM FOR ANY RUGGEDIZED EQUIPMENT INFORMATION AND A QUOTE. RENEAL, REEBLES, SAMUEL SHOULD BE THE SALES REP TO CONTACT REGARDING ANY OTHER QUESTIONS REGARDING LICENSING/PART NUMBERS AND OPTICS.
2. INSTALLATION OF SWITCHES SHOULD BE DONE ENTIRELY BY THE CONTRACTOR. THE OWNER WILL PROVIDE THE CONTRACTOR WITH A BASE CONFIGURATION, INCLUDING ANY REQUIRED VLAN, IP ADDRESSES, AND UPLINK INTERFACES TO BE USED BY THE INSTALLER.
3. THE SPECS SHOULD CALL FOR RUCKUS 10GE LR 10GM (50%) MEDIA AS THE FIBER SPEC IS SMP. PLEASE GET IN TOUCH WITH CRYSTAL'S SALES REP DIRECTLY FOR ANY QUESTIONS REGARDING RUCKUS PART NUMBERS.
4. LICENSING FOR THESE SWITCHES SHOULD FOLLOW THE OWNERS' STANDARD OPERATING PROCEDURES. SHARITZONE SA LICENSE FOR EACH SWITCH, AND 5-YEAR RUCKUS ANALYTICS. SAM REEBLES WILL ALSO BE ABLE TO ASSIST WITH THESE DETAILS.

CAMERA TRAINING CONFIGURATION

1. THE CONTRACTOR IS RESPONSIBLE FOR ANY VERKADA-RELATED TRAINING AND ANY INITIAL CONFIGURATION REQUIRED ON THE VERKADA PLATFORM. THIS INCLUDES CONNECTING OUR AZURE TENANT TO THE VERKADA COMMAND WITH THE CONFIGURATION PROVIDED BY THE DISTRICT. IF THERE ARE ANY REQUIREMENTS OUTSIDE VERKADA THAT THE OWNER MUST PROVIDE, THIS INFORMATION MUST BE PROVIDED TO THE DISTRICT.
2. FOR FIBER INSTALLATION, PROVIDE (1) 2" CONDUIT FOR A SINGLE FIBER RUN. PROVIDE (1) 4" CONDUIT FOR MORE THAN 1 FIBER RUN.
3. FOR COPPER CAT6A INSTALLATION, PROVIDE (1) 2" CONDUIT FOR COPPER RUN.

TABLE Q-2

CAMERA NO.	TYPE	POWER REQUIRED	SWITCH	BUILDING	IDF ROOM NO.	CAMERA LOCATION	MOUNT TYPE
Q2-C1	FIXED - LPR	POE	Q2-SH2	T8101	---	IDF-T111	IN POLE ACC-MNT1
Q2-C2	FIXED - LPR	POE	Q2-SH2	T8101	---	IDF-T111	IN POLE ACC-MNT1
Q2-C3	FIXED - LPR	---	BUILDING B	---	IDF-B1	IN POLE ACC-MNT1	
Q2-C6	FIXED - LPR	---	BUILDING B	---	IDF-B1	IN POLE ACC-MNT1	



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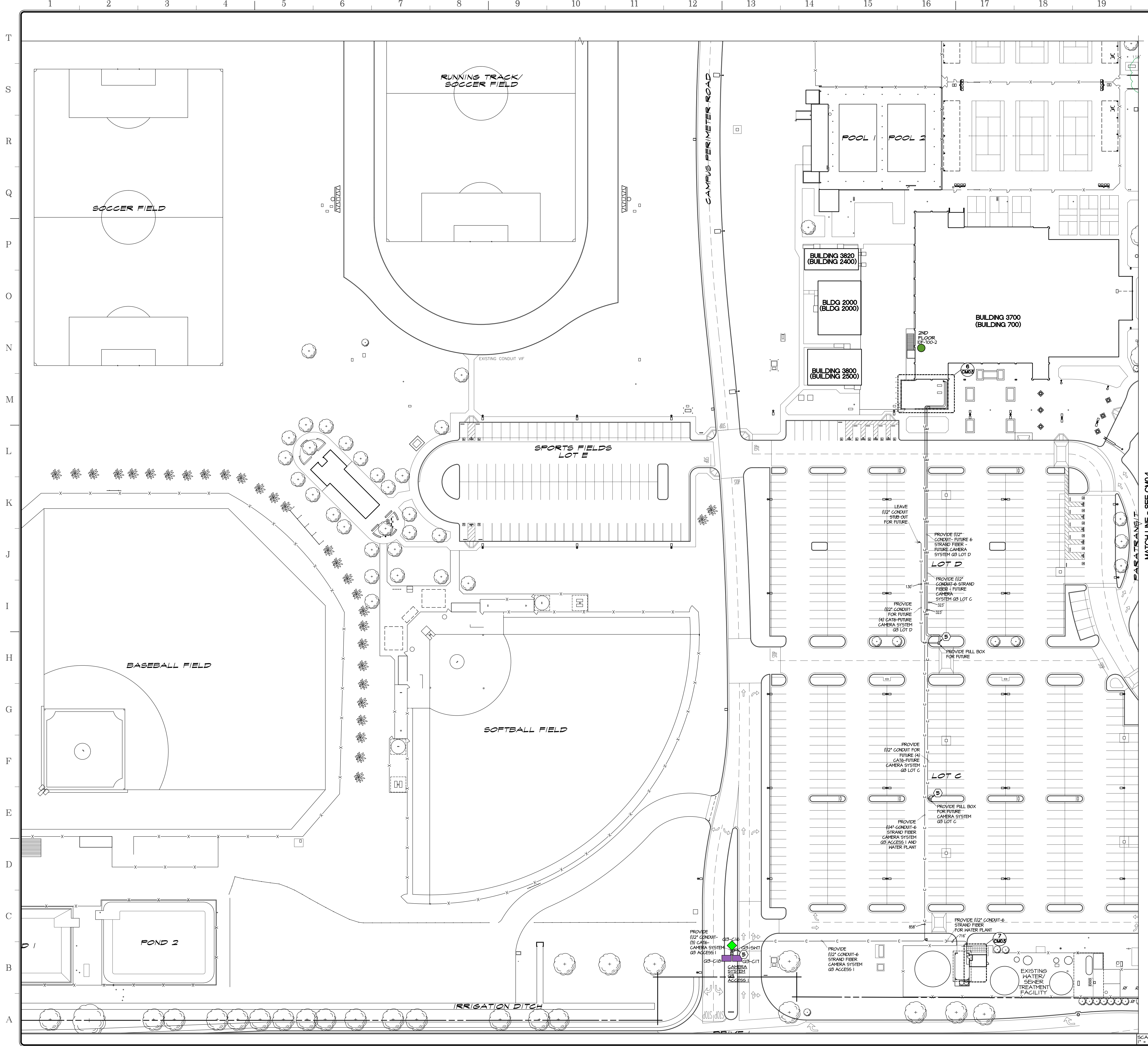
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Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT**

Sheet Title  
**COMMUNICATIONS SITE PLAN - Q2**

Document Date 08-01-24	Project Number 23-061V
Date Last Revised	Sheet Number CM0.2

SCALE: 1" = 40'-0"



**APPROVALS**

- LEGEND:**
- ◆ FIXED CAMERA
  - FIXED LPR CAMERA
  - ▲ MULTISENSOR CAMERA
  - (E) IDF ROOM
  - (E) IDF ROOM CAPABLE TO HANDLE MULTISENSOR CAMERAS
  - PROVIDE COMMUNICATIONS LINE - SEE NOTES ON PLAN
  - NEH POLE SQUARE SECTION (15) 15807
  - 28' APPROX. HORIZONTAL DISTANCE FROM CAMERA LOCATION TO IDF
  - NEH COMMUNICATIONS PULL BOX
  - COMMUNICATIONS BOX WITH SWITCH (1) 15807

**KEYNOTES**

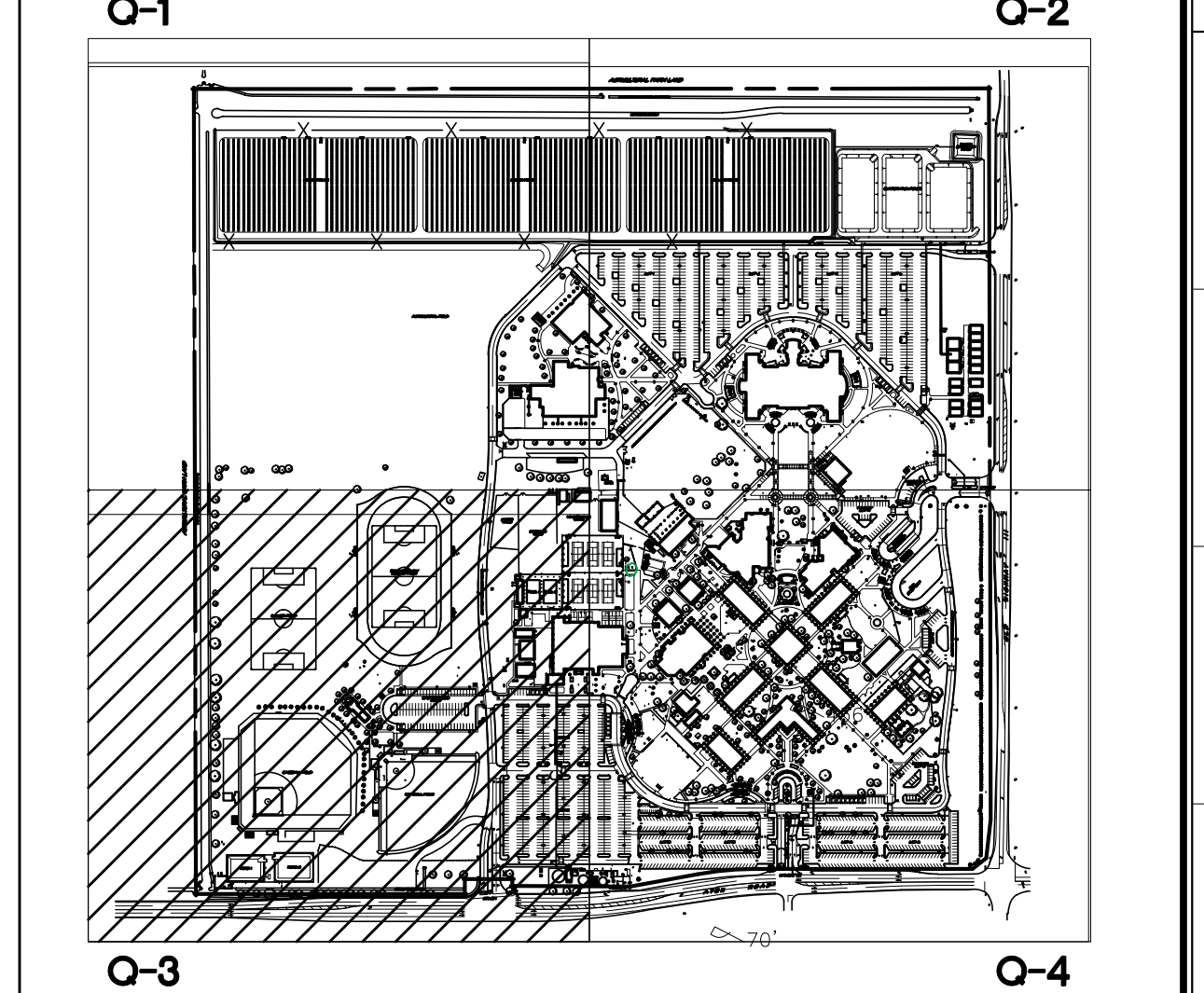
- (1) EXISTING COMMUNICATIONS BOX - PROTECT
- (2) EXISTING BLUE POLE - PROTECT
- (3) PROVIDE SINGLE MODE (6) STRAND FIBER OPTICS FROM EXISTING IDF TO NEH SWITCH ENCLOSURE
- (4) PROVIDE CAT 6 CABLE QUANTITY NOTED WITH 2" PVC CONDUIT QUANTITY NOTED
- (5) PROVIDE 24"x36" COMMUNICATIONS PULL BOX
- (6) EXISTING ELECTRICAL BOX - PROTECT
- (7) EXISTING MARQUEE - PROTECT
- (8) PROVIDE (1) 2" CONDUIT WITH 6 STRANDS FIBER
- (9) PROVIDE (1) 2" CONDUIT FOR FUTURE USE
- (10) INTERRUPT EXISTING POWER/DATA CONDUIT

**NOTES**

- SPECIFIED RUGGED RUCKUS SWITCHES
1. RUCKUS DOES NOT DIRECTLY PROVIDE THE 1CX820-C087P SWITCH RUGGEDIZED VERSION. THIS IS THRU CRYSTAL GROUP. CONTACT @STACI.KONO (STACI.KONO@CRYSTALRUGGED.COM) FOR ANY RUGGEDIZED EQUIPMENT INFORMATION AND A QUOTE. RENEWAL, @PEEBLES.SAMUEL SHOULD BE THE SALES REP TO CONTACT REGARDING ANY OTHER QUESTIONS REGARDING LICENSING/PART NUMBERS AND OPTICS.
  2. INSTALLATION OF SWITCHES SHOULD BE DONE ENTIRELY BY THE CONTRACTOR. THE OWNER WILL PROVIDE THE CONTRACTOR WITH A BASE CONFIGURATION, INCLUDING ANY REQUIRED VLAN, IP ADDRESSES, AND UPLINK INTERFACES TO BE USED BY THE INSTALLER.
  3. THE SPECS SHOULD CALL FOR RUCKUS 10GE LR 100M (5PPH) MEDIA AS THE FIBER SPEC IS SMP. PLEASE GET IN TOUCH WITH CRYSTAL'S SALES REP DIRECTLY FOR ANY QUESTIONS REGARDING RUCKUS PART NUMBERS.
  4. LICENSING FOR THESE SWITCHES SHOULD FOLLOW THE OWNERS' STANDARD OPERATING PROCEDURES. SHARITZONE SA LICENSE FOR EACH SWITCH, AND 5-YEAR RUCKUS ANALYTICS. SAM PEEBLES WILL ALSO BE ABLE TO ASSIST WITH THESE DETAILS.
- CAMERA TRAINING, CONFIGURATION
1. THE CONTRACTOR IS RESPONSIBLE FOR ANY VERKADA-RELATED TRAINING AND ANY INITIAL CONFIGURATION REQUIRED ON THE VERKADA PLATFORM. THIS INCLUDES CONNECTING OUR Azure TENANT TO THE VERKADA COMMAND WITH THE CONFIGURATION PROVIDED BY THE DISTRICT. IF THERE ARE ANY REQUIREMENTS OUTSIDE VERKADA THAT THE OWNER MUST PROVIDE, THIS INFORMATION MUST BE PROVIDED TO THE DISTRICT.
  2. FOR FIBER INSTALLATION, PROVIDE (1) 2" CONDUIT FOR A SINGLE FIBER RUN. PROVIDE (1) 4" CONDUIT FOR MORE THAN 1 FIBER RUN.
  3. FOR COPPER CAT6A INSTALLATION, PROVIDE (1) 2" CONDUIT FOR COPPER RUN.

**TABLE Q-4**

CAMERA NO.	CAMERA TYPE	POWER REQUIRED POE (W)	SWITCH ROOM	BUILDING	IDF ROOM NO.	CAMERA LOCATION	MOUNT TYPE
Q3-C6	FIXED-BULLET		Q3-SHT	100	2ND FLOOR	EF-100-2	NO POLE ACC MNTL
Q3-C7	FIXED - LPR		Q3-SHT	100	2ND FLOOR	EF-100-2	NO POLE ACC MNTL
Q3-C8	FIXED - LPR		Q3-SHT	100	2ND FLOOR	EF-100-2	NO POLE ACC MNTL



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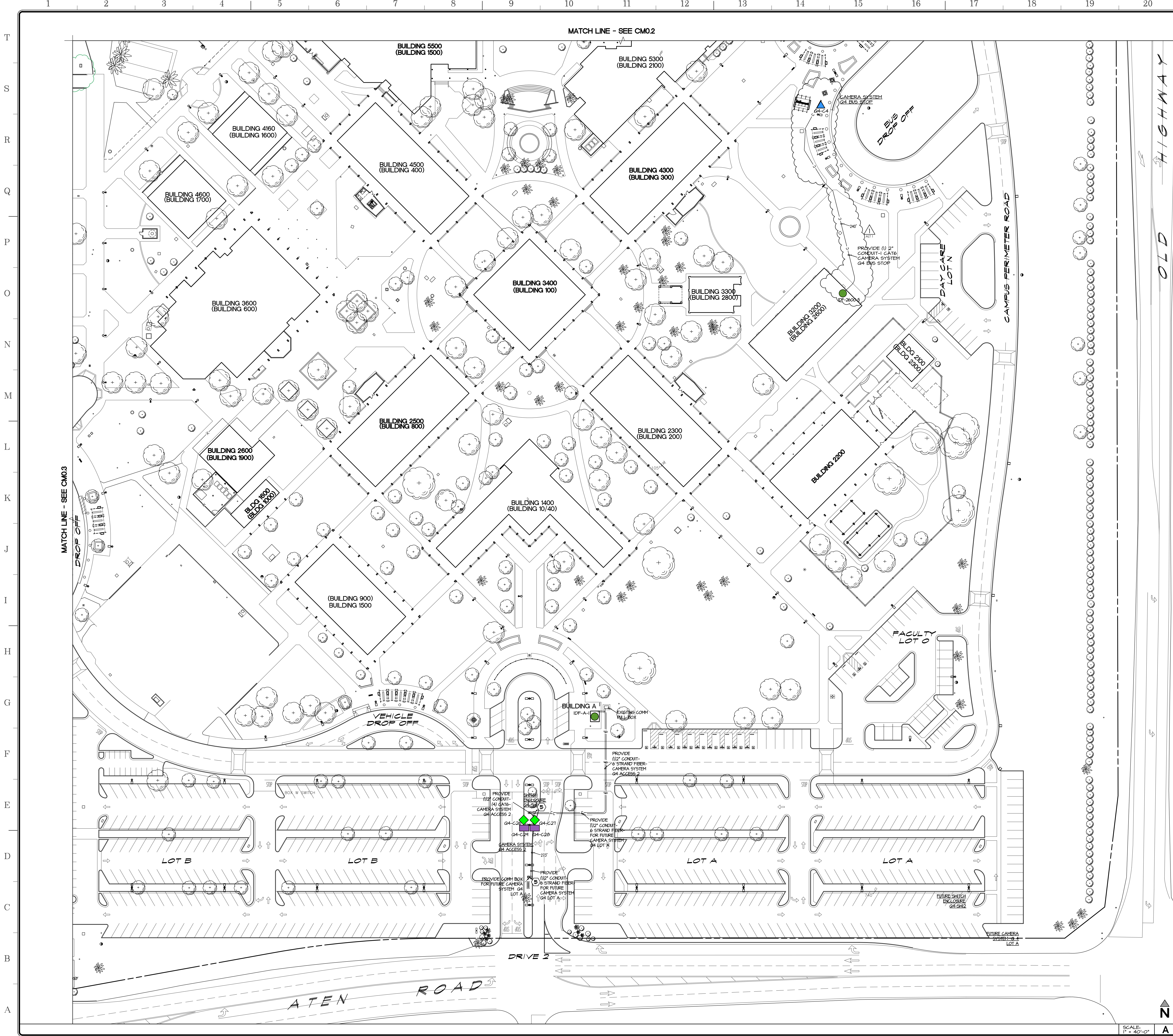
Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERA REPLACEMENT**

Sheet Title  
**COMMUNICATIONS SITE PLAN - Q3**

	Document Date	Project Number
	08-01-24	23-01V
	Date Last Revised	Sheet Number
		<b>CM0.3</b>

SCALE: 1" = 40'-0"

MATCH LINE - SEE QM4



- APPROVALS**
- LEGEND:**
- ◆ FIXED CAMERA
  - FIXED LPR CAMERA
  - ▲ MULTISENSOR CAMERA
  - IDF ROOM
  - (E) IDF ROOM CAPABLE TO HANDLE MULTISENSOR CAMERAS
  - PROVIDE COMMUNICATIONS LINE - SEE NOTES ON PLAN
  - NEH POLE SQUARE SECTION (15 1800)
  - 28' APPROX. HORIZONTAL DISTANCE FROM CAMERA LOCATION TO IDF
  - NEH COMMUNICATIONS PULL BOX
  - COMMUNICATIONS BOX WITH SWITCH (1 1800)
  - ▲ ALTERNATE ADD | SCOPE OF WORK

- KEYNOTES**
- 1 EXISTING COMMUNICATIONS BOX - PROTECT
  - 2 EXISTING BLUE POLE - PROTECT
  - 3 PROVIDE SINGLE MODE (6) STRAND FIBER OPTICS FROM EXISTING IDF TO NEH SWITCH ENCLOSURE
  - 4 PROVIDE CAT 6 CABLE QUANTITY NOTED WITH 2" PVC CONDUIT QUANTITY NOTED
  - 5 PROVIDE 24"x36" COMMUNICATIONS PULL BOX
  - 6 EXISTING ELECTRICAL BOX - PROTECT
  - 7 EXISTING MARQUEE - PROTECT
  - 8 PROVIDE (1) 2" CONDUIT WITH 6 STRANDS FIBER
  - 9 PROVIDE (1) 2" CONDUIT FOR FUTURE USE
  - 10 INTERRUPT EXISTING POWER/DATA CONDUIT

**NOTES**

SPECIFIED RUGGED RUCKUS SWITCHES

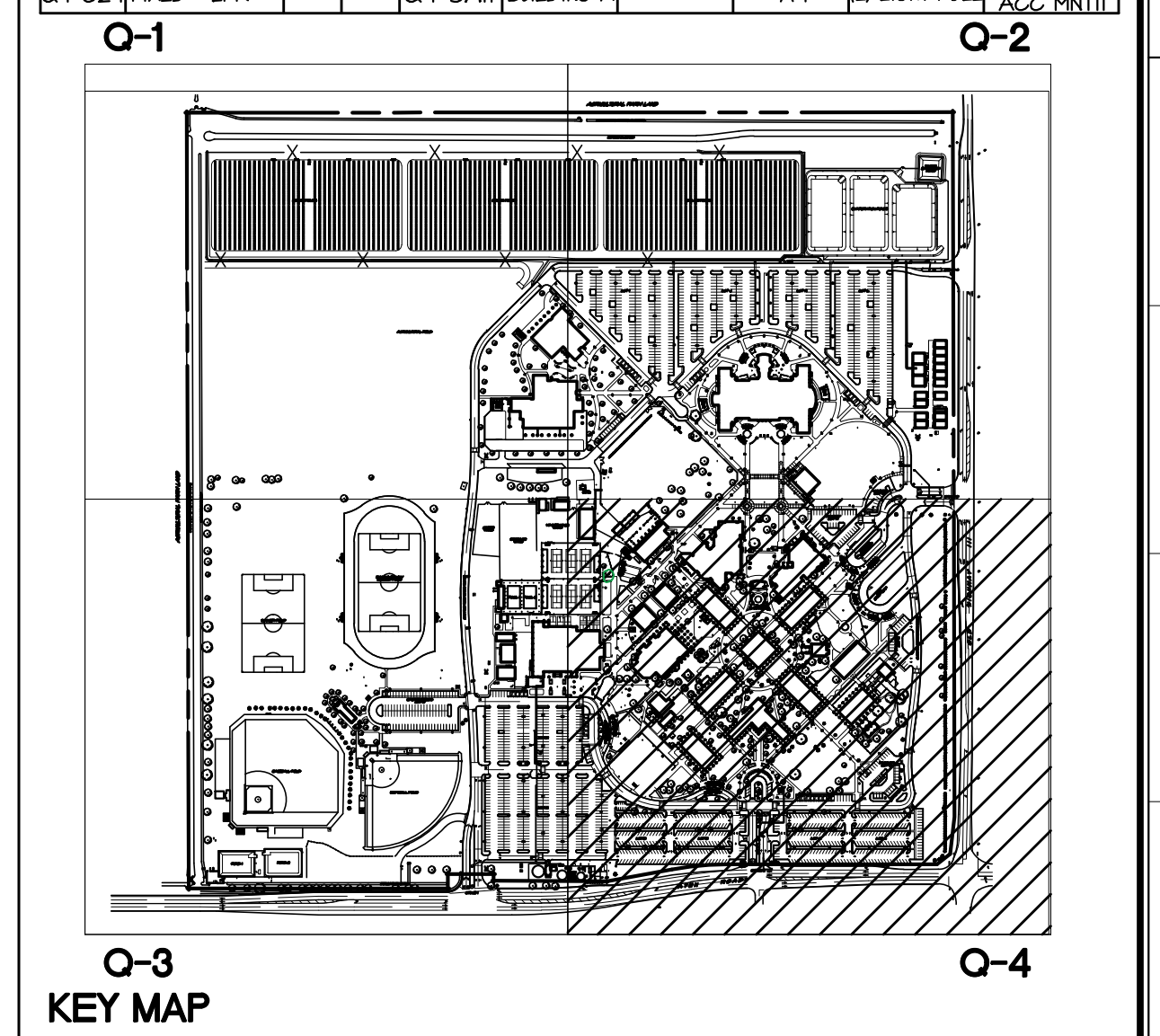
1. RUCKUS DOES NOT DIRECTLY PROVIDE THE ICX20-C082P SWITCH RUGGEDIZED VERSION. THIS IS THRU CRYSTAL GROUP. CONTACT #STAGL@SCS2.COM (STAGL@RUCKUS.COM) FOR ANY RUGGEDIZED EQUIPMENT INFORMATION AND A QUOTE RENEWAL. @PEEBLES, SAMEL WOULD BE THE SALES REP TO CONTACT REGARDING ANY OTHER QUESTIONS REGARDING LICENSING/PART NUMBERS AND OPTICS.
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3. THE SPECS SHOULD CALL FOR RUCKUS 10Gb LR 100M (SFP) MEDIA AS THE FIBER SPEC IS SFP. PLEASE GET IN TOUCH WITH CRYSTAL'S SALES REP DIRECTLY FOR ANY QUESTIONS REGARDING RUCKUS PART NUMBERS.
4. LICENSING FOR THESE SWITCHES SHOULD FOLLOW THE OWNERS' STANDARD OPERATING PROCEDURES, SMARTZONE SW LICENSE FOR EACH SWITCH, AND 5-YEAR RUCKUS ANALYTICS. SAM PEEBLES WILL ALSO BE ABLE TO ASSIST WITH THESE DETAILS.

**CAMERA TRAINING CONFIGURATION**

1. THE CONTRACTOR IS RESPONSIBLE FOR ANY VERKADA-RELATED TRAINING AND ANY INITIAL CONFIGURATION REQUIRED ON THE VERKADA PLATFORM. THIS INCLUDES CONNECTING OUR AGREE TENANT TO THE VERKADA COMMAND WITH THE CONFIGURATION PROVIDED BY THE DISTRICT. IF THERE ARE ANY REQUIREMENTS OUTSIDE VERKADA THAT THE OWNER MUST PROVIDE, THIS INFORMATION MUST BE PROVIDED TO THE DISTRICT.
2. FOR FIBER INSTALLATION, PROVIDE (1) 2" CONDUIT FOR A SINGLE FIBER RUN. PROVIDE (1) 4" CONDUIT FOR MORE THAN 1 FIBER RUN.
3. FOR COPPER CAT6A INSTALLATION, PROVIDE (1) 2" CONDUIT FOR COPPER RUN.

**TABLE Q-4**

CAMERA NO.	CAMERA TYPE	POWER POE	SWITCH	BUILDING	IDF ROOM NO.	CAMERA LOCATION	MOUNT TYPE
Q4-C4	MULTISENSOR	---	---	2600	2603	2600-5	EJ BLUE POLE
Q4-C26	FIXED-BULLET	Q4-SW11	BUILDING A	---	A-1	EJ LIGHT POLE	CCZ NORTH
Q4-C27	FIXED-BULLET	Q4-SW11	BUILDING A	---	A-1	EJ LIGHT POLE	CCZ NORTH
Q4-C28	FIXED - LPR	Q4-SW11	BUILDING A	---	A-1	EJ LIGHT POLE	CCZ NORTH
Q4-C29	FIXED - LPR	Q4-SW11	BUILDING A	---	A-1	EJ LIGHT POLE	CCZ NORTH



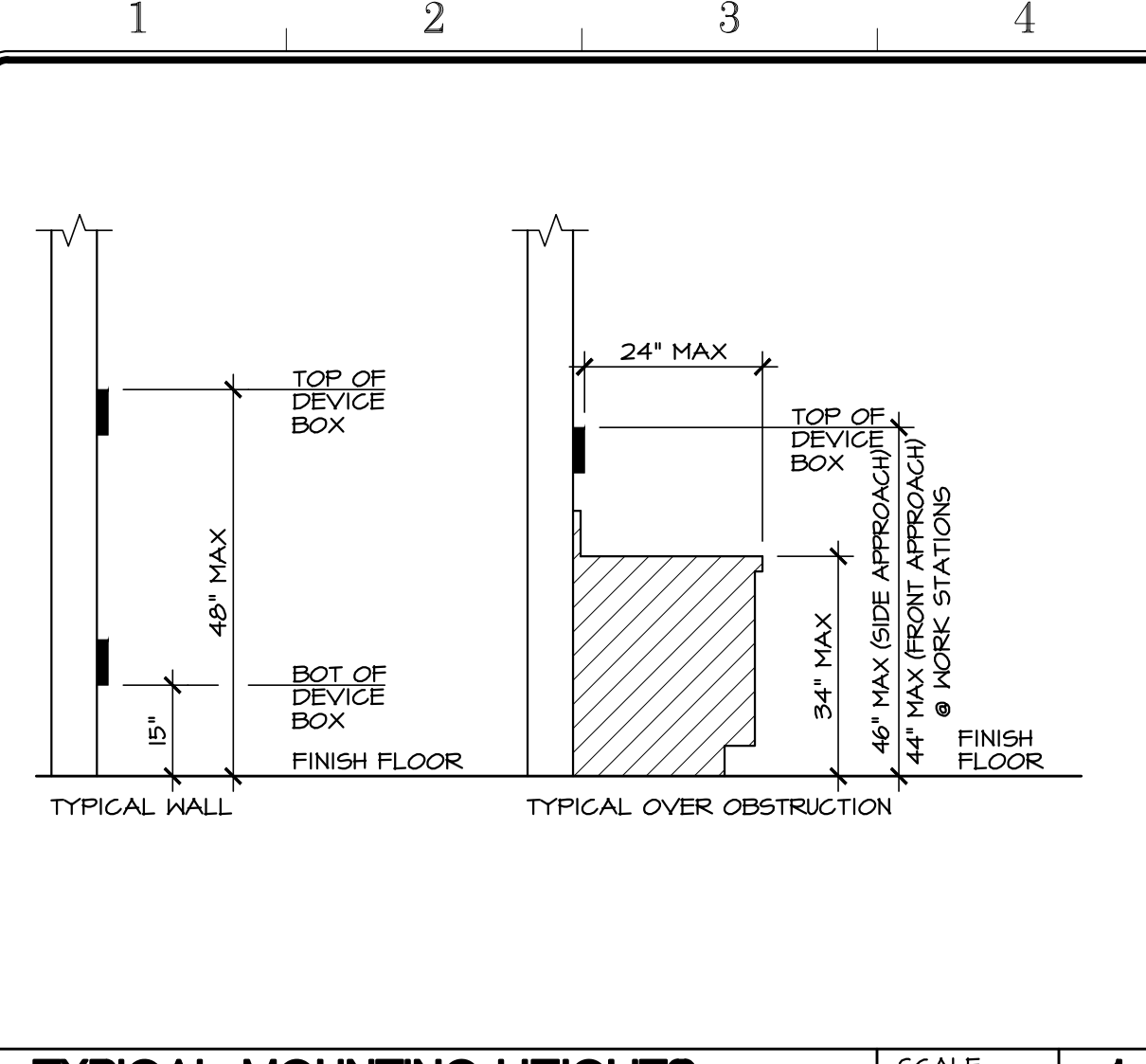
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Project Title  
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 CAMPUS SECURITY CAMERA REPLACEMENT**

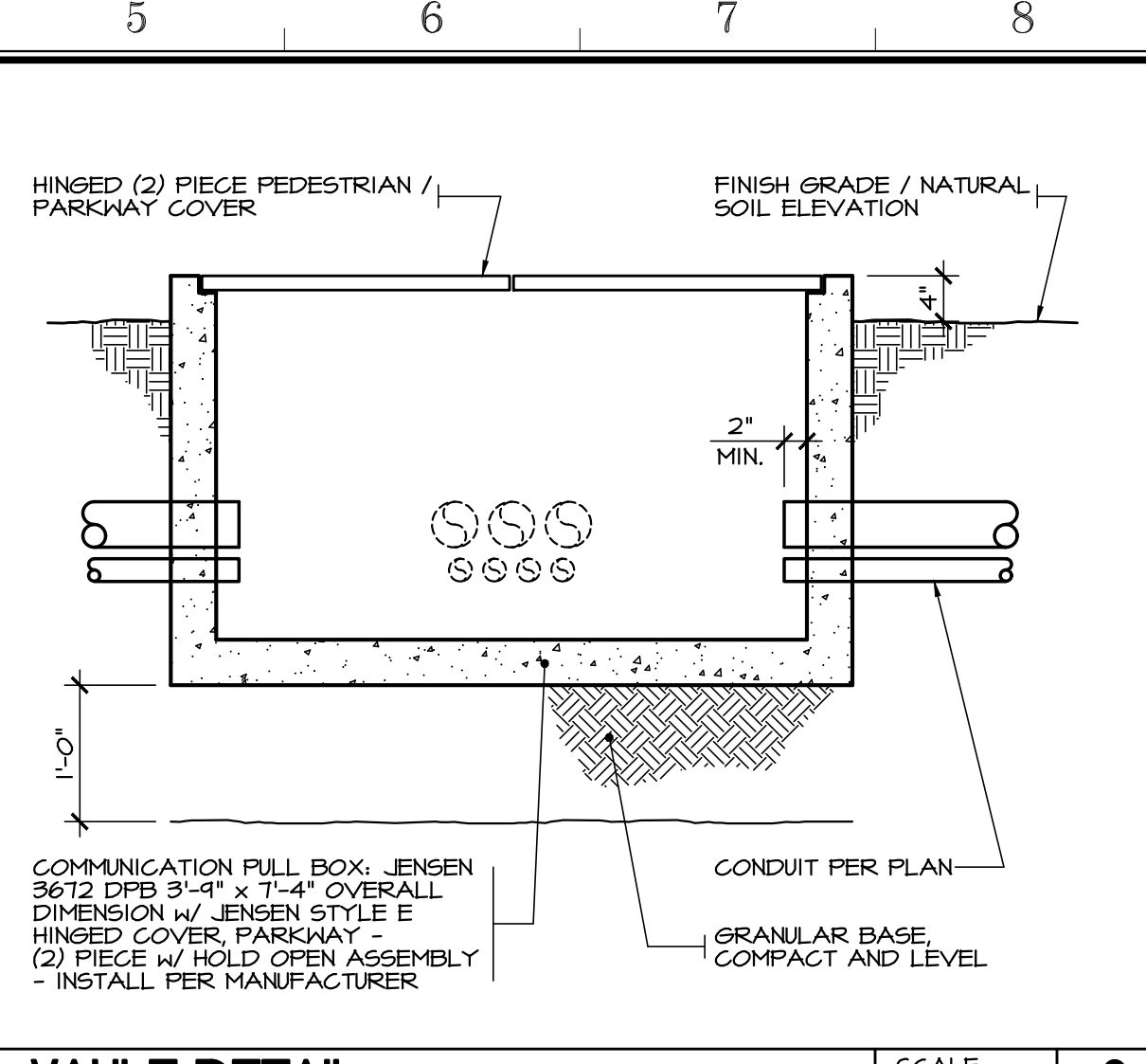
Sheet Title  
**COMMUNICATIONS SITE PLAN - Q4**

	Document Date 08-01-24	Project Number 23-061V
	Date Last Revised	Sheet Number CM0.4

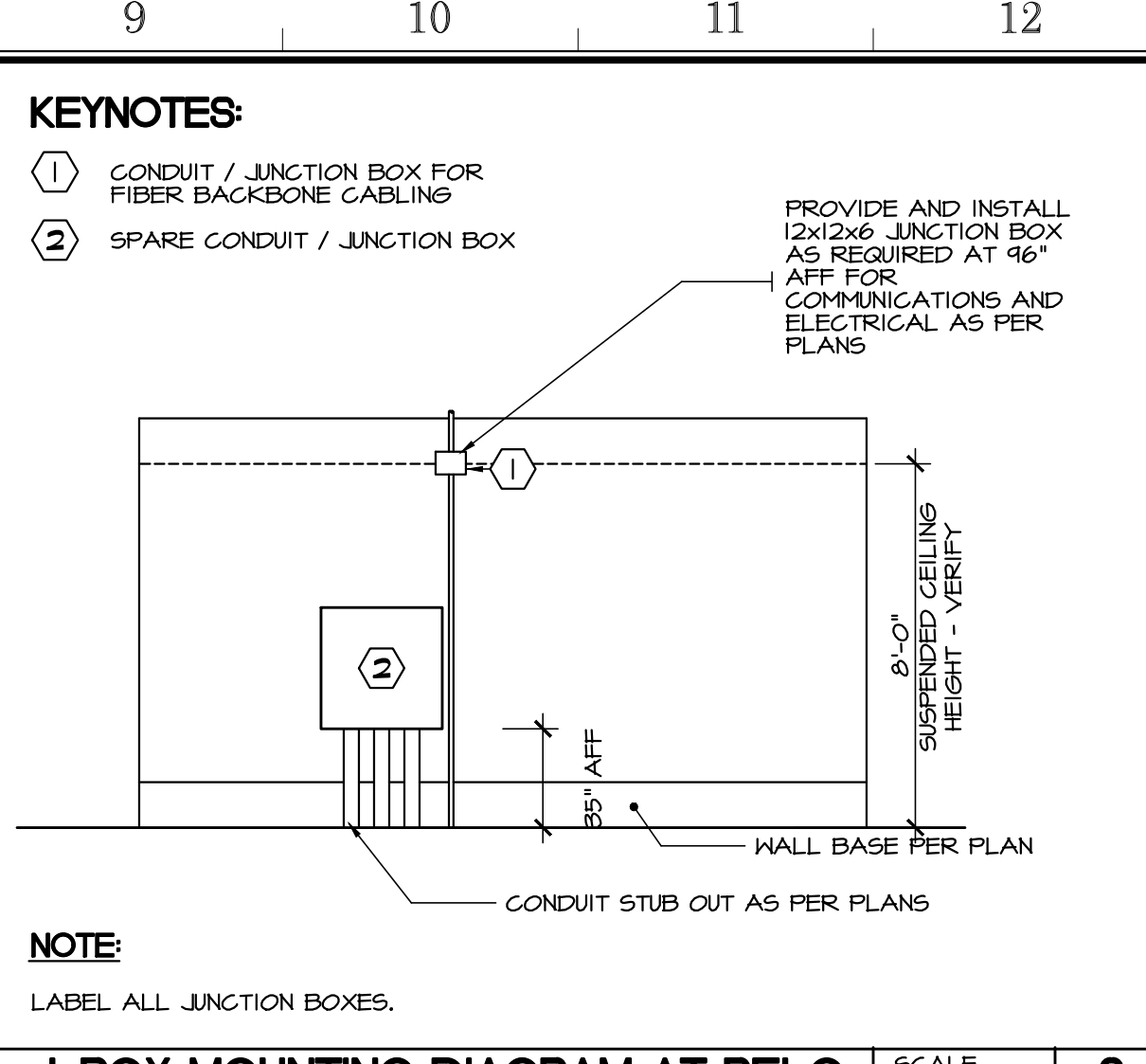
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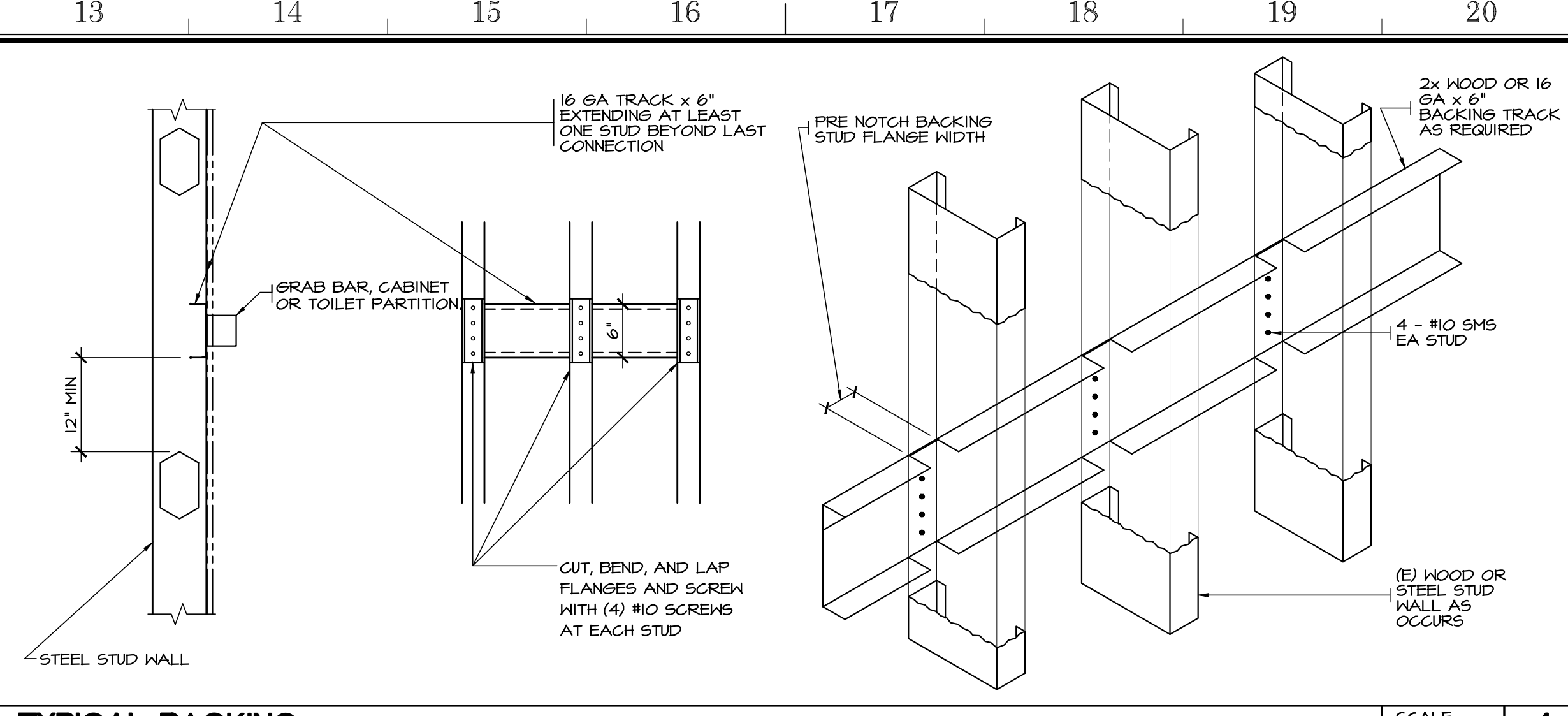
**TYPICAL MOUNTING HEIGHTS** SCALE: NTS 1



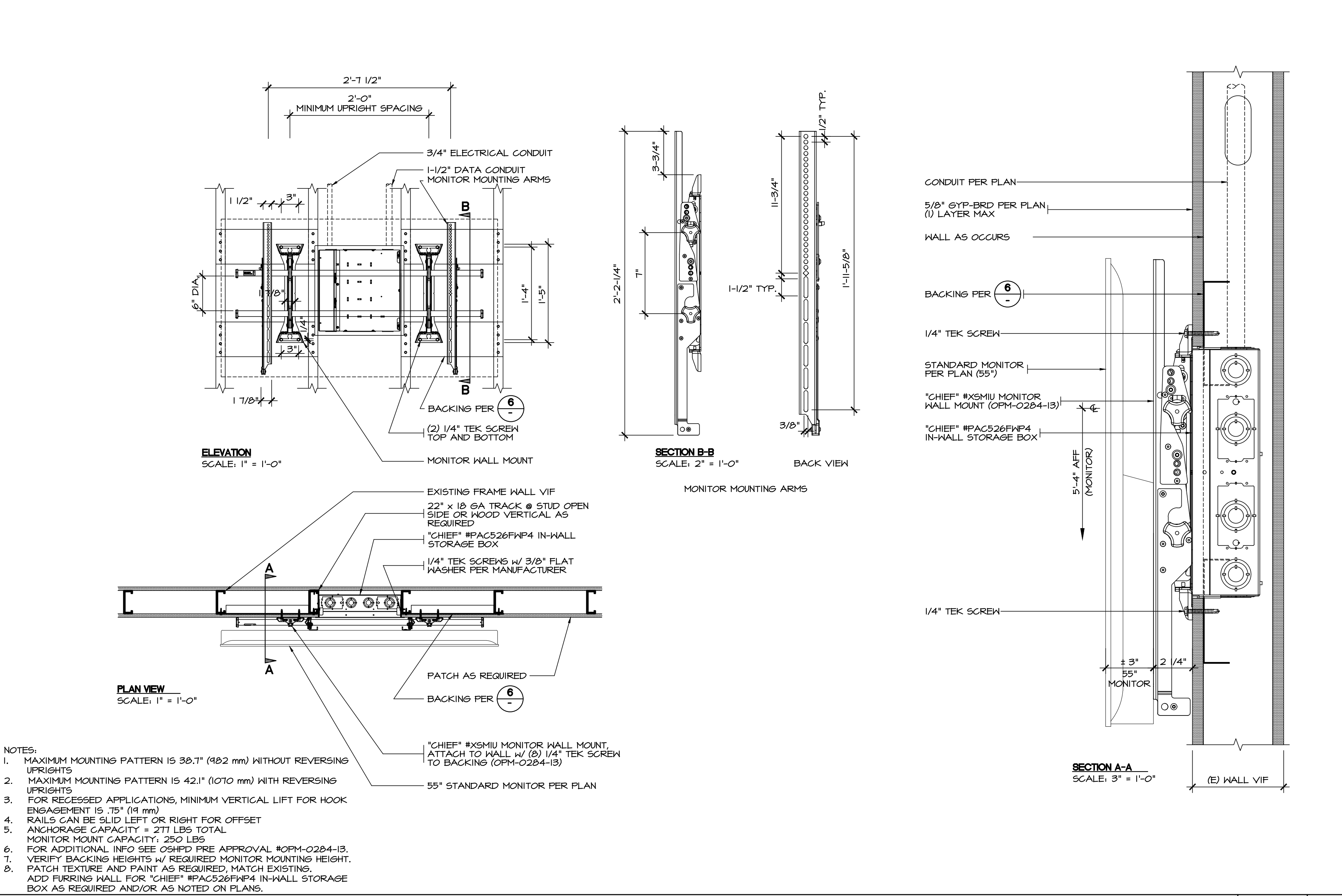
**VAULT DETAIL** SCALE: NTS 2



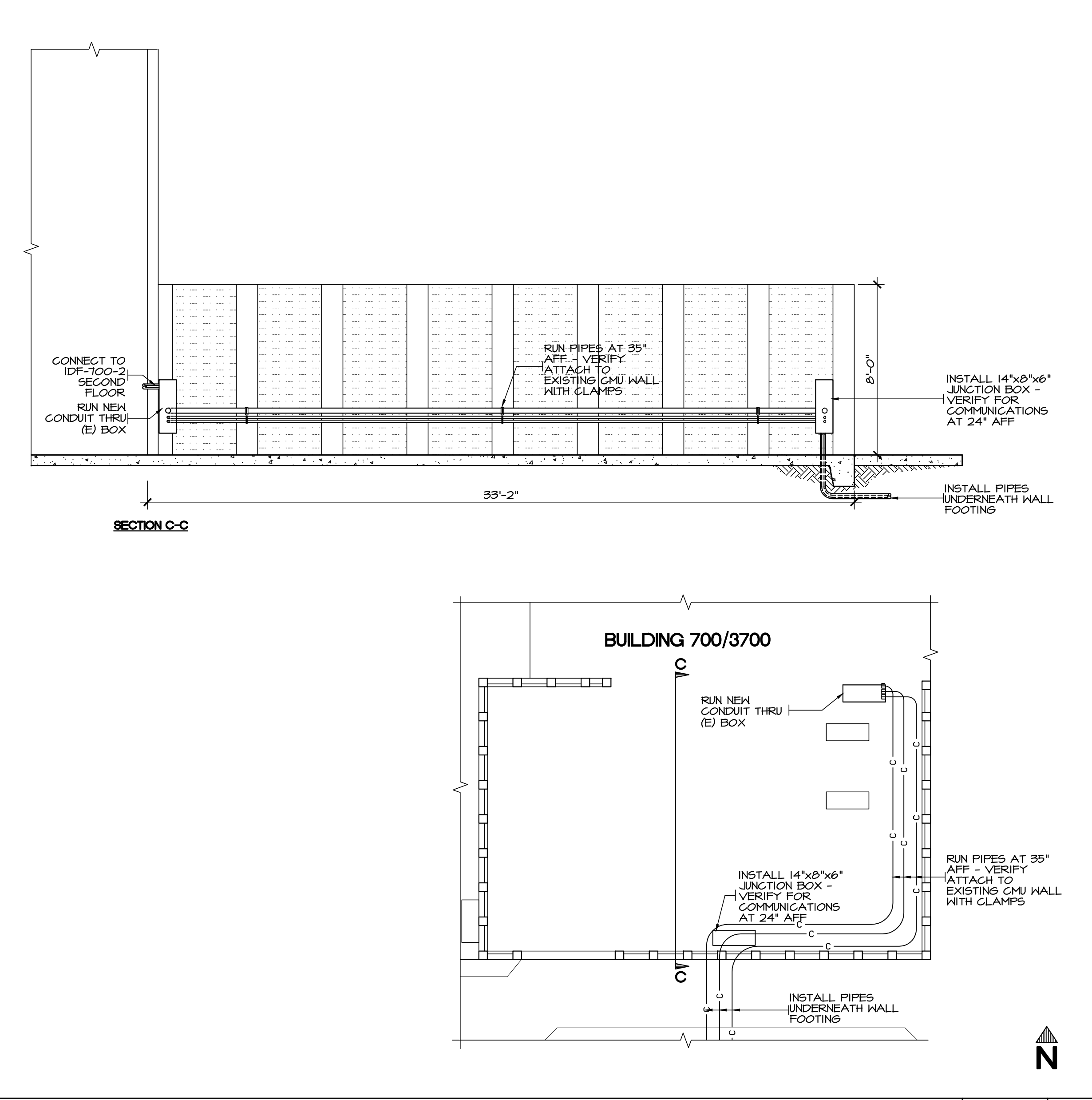
**J-BOX MOUNTING DIAGRAM AT RELO** SCALE: NTS 3



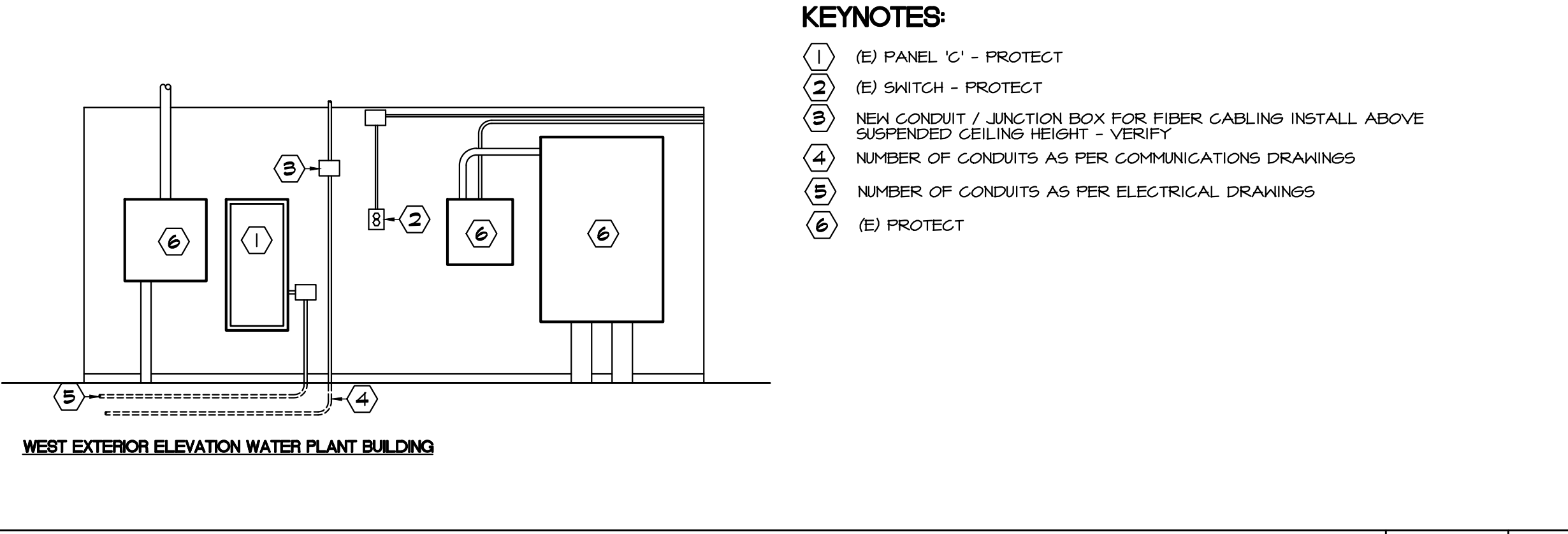
**TYPICAL BACKING** SCALE: NTS 4



**MONITOR WALL MOUNTING - STANDARD** SCALE: NTS 5



**ACCESS 1 COMMUNICATIONS FEED FROM BUILDING 700/3700** SCALE: NTS 6



**ACCESS 1 ELECTRICAL FEED FROM PANEL 'C' AND FIBER CONNECTION** SCALE: NTS 7



**APPROVALS**

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Project Title  
**IMPERIAL VALLEY COLLEGE**  
**CAMPUS SECURITY CAMERA REPLACEMENT**

Sheet Title  
**COMMUNICATIONS DETAILS**

	Document Date 08-01-24	Project Number 23-061V
	Date Last Revised	Sheet Number <b>CM0.5</b>



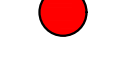






**APPROVALS**

-  EXISTING CMU WALL TO REMAIN
-  EXISTING WOOD FRAME WALL TO REMAIN

**KEYNOTES:**

-  PROVIDE VIEWING STATION

**LEGEND:**

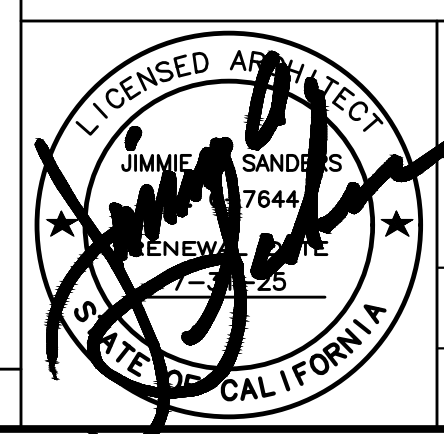
-  IDF ROOM
-  (E) IDF ROOM CAPABLE TO HANDLE MULTISENSOR CAMERAS
-  COPPER
-  FIBER
-  APPROX. HORIZONTAL DISTANCE FROM CAMERA LOCATION TO IDF
-  COMMUNICATIONS PULL BOX
-  COMMUNICATIONS BOX WITH SWITCH

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Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERAS REPLACEMENT**

Sheet Title  
**FLOOR PLAN - BUILDING 900 - 1500**

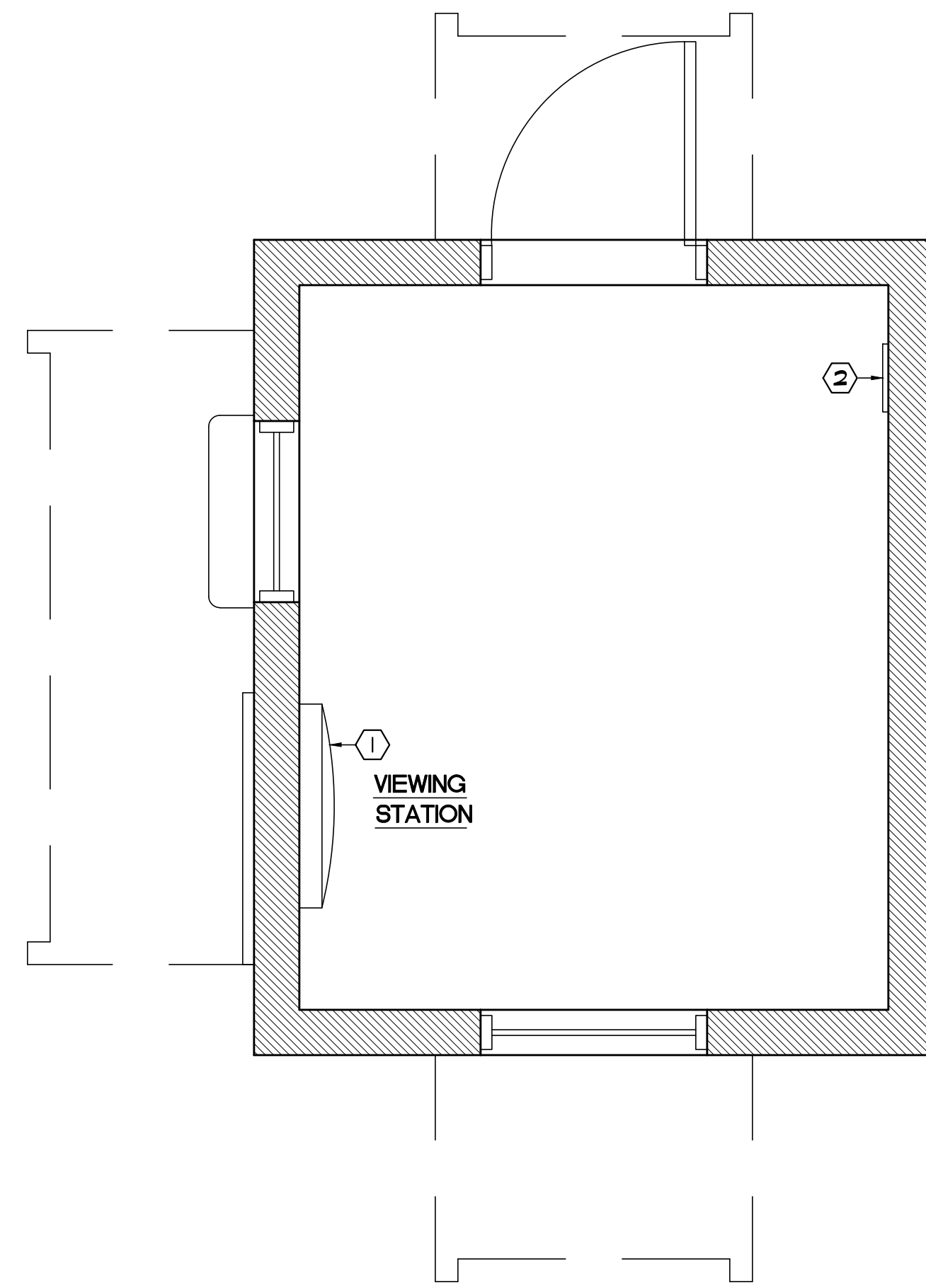
	Document Date <b>08-01-24</b>	Project Number <b>23-061V</b>
	Date Last Revised	Sheet Number <b>CM1.6</b>

SCALE: 1/8" = 1'-0"  
 A

FLOOR PLAN

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

T  
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A



**APPROVALS**






**WALL TYPES:**

-  EXISTING CMU WALL TO REMAIN
-  EXISTING WOOD FRAME WALL TO REMAIN

**KEYNOTES:**

- ① PROVIDE VIEWING STATION
- ② EXISTING ELECTRICAL PANEL

**LEGEND:**

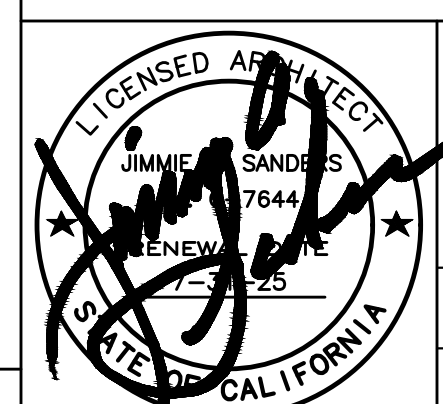
-  IDF ROOM
-  COPPER
-  FIBER
-  APPROX. HORIZONTAL DISTANCE FROM CAMERA LOCATION TO IDF
-  COMMUNICATIONS PULL BOX

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Project Title  
**IMPERIAL VALLEY COLLEGE  
 CAMPUS SECURITY CAMERAS REPLACEMENT**

Sheet Title  
**BUILDING A - NEW INTERIOR CAMERAS**

	Document Date <b>08-01-24</b>	Project Number <b>23-061V</b>
	Date Last Revised	Sheet Number <b>CM1.16</b>

SCALE: 1/2" = 1'-0"  
 N

FLOOR PLAN

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

**BULLET CAMERA - CB52-E**

**Bullet Series Tech Specs**

**Camera features**

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	5MP (2688 x 1944)	<b>Day/Night</b>	IR-cut filter for day and night function
<b>Lens Type</b>	Varifocal, motorized zoom	<b>IR Cut Filter</b>	Yes
<b>Focal Length</b>	2.8mm-6mm	<b>IR Range</b>	30m / 98ft
<b>Aperture</b>	F1.3-F2.4	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (Color) 0 lux with IR illuminators on
<b>Iris</b>	P-Iris	<b>Onboard Storage</b>	Capacity: From 256GB to 2TB Card: MicroSD, SDXC
<b>Field of View (After LDC)<sup>2</sup></b>	Horizontal: 41°-95° (39°-95°) Vertical: 30°-70° (30°-74°) Diagonal: 50°-125° (48°-102°)	<b>CPU</b>	Amberlite CV25588
<b>Camera Movement</b>	Tilt: 0° to 90° Pan: 360° Rotation: 360°		

**Standard video settings**

<b>Compression</b>	H.265, H.264	<b>Historical Video Settings</b>	Adaptive quality <sup>3</sup>
<b>Frame Rate<sup>4</sup></b>	24fps	<b>Video Streaming Settings</b>	High quality (HQ) - 1500 Kbps Standard quality (SQ) - 300 Kbps

**Standard audio settings**

<b>Audio</b>	Not supported
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**Power and network**

<b>Power Input<sup>5</sup></b>	With IR: IEEE 802.3at Type 2 PoE+ Without IR: IEEE 802.3at Type 1 PoE Extended temperature range: IEEE 802.3at Type 2 PoE+	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10/100 Mbps
<b>Power Consumption<sup>6</sup></b>	With IR: 37-57V, 0.38-0.25A, 10W Without IR: 37-57V, 0.09-0.06A, 3.46W Extended temperature range: 37-57V, 0.4x-0.27A, 22.87W	<b>RTSP</b>	RTSP 1.0 RFC 2326 Max concurrent streams: 2 Audio support: No

1. All our cameras record in "adaptive quality," capturing both standard and high quality streams. Standard quality (SQ) video is stored up to the amount of retention specified by the customer. The amount of high quality video stored on the camera will depend on the amount of motion detected by the camera over time. To learn more, visit our website: <https://www.verkada.com/blog/motion-trigger-in-adaptive-quality>  
2. Lens Distortion Correction (LDC) crops the sensor field of view to deliver a rectified, undistorted output image.  
3. Frame rate can be adjusted by request.  
4. Extended temperature range includes operating temperatures below -8.3°C / 16.7°F and assumes IR will be enabled.

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**MULTISENSOR CAMERA - CH52-E**

**Multisensor camera Tech Specs**

**General**

<b>Operating Temperature</b>	-40°C to 50°C / -40°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES-003, UL/IEC/CSA/EN/CE, RCM, UKCA, VCCI, NDA, BIS, IK10 impact rating, IP66 weather rating	<b>Included Accessories</b>	IR cover, mounting template, 3 mounting screws, 3 wall anchors, 2 daisy-cams, T10 security screwdriver, offset wrench

**Mechanical**

<b>Weight</b>	Camera: 2.900g / 0.102 lbs Mount plate: 5.34g / 0.188 oz	<b>Body</b>	Aluminum, plastic dome trim
<b>Dimensions</b>	Ø: 275mm / 10.82in, H: 188mm / 4.65in with mount plate Ø: 267mm / 10.51in, H: 154mm / 4.49in without mount plate		

**Dimensions**

**Software capabilities**

<b>Alerts<sup>5</sup></b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection	<b>Streaming and Storage<sup>6</sup></b>	Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, time-lapse, RTSP
<b>People Analytics<sup>7</sup></b>	People search, attribute search, face search, Occupancy Trends, motion search, trajectory analysis <sup>8</sup>	<b>Sharing and Privacy<sup>9</sup></b>	Live Link, privacy regions, audit log
<b>Vehicle Analytics<sup>10</sup></b>	Vehicle search, attribute search		

**Coverage examples**

5. All the listed features can be enabled independently for each camera head.  
6. Both indoor and outdoor variants of the following camera models support trajectory analysis: CM42, CD32/42/52/62, CB52-E, CH52-E and CF8-E (in panoramic mode only).  
7. Both indoor and outdoor variants of the following camera models support trajectory analysis: CM42, CD32/42/52/62, CB52-E, CH52-E and CF8-E (in panoramic mode only).

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**Bullet Series Tech Specs**

**General**

<b>Operating Temperature</b>	-40°C to 50°C / -40°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Certifications</b>	FCC, ICES, CE, UKCA, RCM, VCCI, BIS, UL/IEC/CSA/EN/CE, IP66 weather rating, IK10 impact rating, NDA	<b>Included Accessories</b>	4x M4x8 screws, 4x TP4x30 mount screws, mount plate, junction box adapter, junction box cover, T25 hand tool

**Mechanical**

<b>Weight</b>	Camera: 144-kg / 51.6oz Mount plate: 33g / 1.16oz	<b>Body</b>	Aluminum
<b>Dimensions</b>	Ø: 85mm / 3.35in, L: 254mm / 10in		

**Software capabilities**

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection	<b>Streaming and Storage</b>	Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, time-lapse, RTSP
<b>People Analytics</b>	People search, attribute search, face search, Occupancy Trends, motion search, trajectory analysis <sup>8</sup>	<b>Sharing and Privacy</b>	Live Link, privacy regions, audit log
<b>Vehicle Analytics</b>	Vehicle search, attribute search	<b>License Plate Recognition</b>	License Plate of Interest alerts, license plate indexing

5. Both indoor and outdoor variants of the following camera models support trajectory analysis: CM42, CD32/42/52/62, CB52-E, CH52-E and CF8-E (in panoramic mode only).

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**Multisensor camera Tech Specs**

**Camera features**

<b>Image Sensor</b>	4 x 1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/5 sec. to 1/32,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	4 x 5MP (2688 x 1944)	<b>Day/Night</b>	IR-cut filter for day and night function
<b>Lens Type</b>	Varifocal, motorized zoom	<b>IR Cut Filter</b>	Yes
<b>Focal Length</b>	3.7-7mm	<b>IR Range</b>	30m / 98ft, nonadjustable
<b>Aperture</b>	F1.9 - F2.9	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (color) 0 lux with IR illuminators on
<b>Iris</b>	N/A	<b>Onboard Storage</b>	Capacity: From 1TB to 8TB Card: MicroSD, SDXC
<b>Field of View (After LDC)<sup>2</sup></b>	Horizontal: 37°-89° (35°-82°) Vertical: 29°-65° (28°-60°) Diagonal: 46°-99° (43°-92°)	<b>CPU</b>	4 x Amberlite CV25588
<b>Sensor Movement</b>	Tilt: ±0°-105° for each lens from horizon Pan: ±90° for each lens Rotation: ±90° for each lens		

**Standard video settings**

<b>Compression</b>	H.265, H.264	<b>Historical Video Settings</b>	Adaptive quality <sup>3</sup>
<b>Frame Rate<sup>4</sup></b>	24fps / sensor	<b>WDR Technology</b>	120dB dynamic range, true WDR, dual exposure
<b>Video Streaming Settings (Per Head)</b>	High quality (HQ) - 1500 Kbps Standard quality (SQ) - 300 Kbps		

**Standard audio settings**

<b>Audio</b>	Not supported
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**Power and network**

<b>Power Input<sup>5</sup></b>	With IR: IEEE 802.3at Type 3 PoE+ Without IR: IEEE 802.3at Type 2 PoE+ Extended temperature range: IEEE 802.3at Type 3 PoE+	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10/100 Mbps
<b>Power Consumption<sup>6</sup></b>	With IR: 42.5 - 57V, 0.45-0.49A, 27.69W Without IR: 42.5 - 57V, 0.44-0.34A, 19.54W Extended temperature range: 42.5 - 57V, 0.91-0.68A, 38.68W	<b>RTSP</b>	RTSP 1.0 RFC 2326 Max concurrent streams: 8 (2 per camera head) Audio support: No

1. All our cameras record in "adaptive quality," capturing both standard and high quality streams. Standard quality (SQ) video is stored up to the amount of retention specified by the customer. The amount of high quality video stored on the camera will depend on the amount of motion detected by the camera over time. To learn more, visit our website: <https://www.verkada.com/blog/motion-trigger-in-adaptive-quality>  
2. Lens Distortion Correction (LDC) crops the sensor field of view to deliver a rectified, undistorted output image.  
3. Frame rate can be adjusted by request.  
4. Extended temperature range includes operating temperatures below -8.3°C / 16.7°F and assumes IR will be enabled.

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**APPROVALS**

**NOTES:**

1. OWNER PROVIDED FIXTURES, CONTRACTOR INSTALLED.

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Project Title  
**IMPERIAL VALLEY COLLEGE  
CAMPUS SECURITY CAMERAS REPLACEMENT**

Sheet Title  
**FIXTURE SCHEDULE - CAMERAS**

	Document Date <b>09-05-23</b>	Project Number <b>23-061V</b>
	Date Last Revised	Sheet Number <b>CM2.1</b>



**ACC-MNT-2  
ARM MOUNT KIT**

**ACC-MNT-2**  
Arm Mount Kit

Wall mounted extender arm with built in 1.5" female NPT thread.

**Compatible with**  
Mounts: ACC-MNT-1, ACC-MNT-4, ACC-MNT-5, ACC-MNT-8, ACC-MNT-9, ACC-MNT-10

**Tech Specs**

<b>Model Number</b>	ACC-MNT-2	<b>Weight</b>	700g / 24.64oz
<b>Material</b>	Aluminum alloy	<b>Box Dimensions</b>	270x175x134mm / 10.6x6.9x5.3in
<b>Dimensions</b>	231x117x117mm / 9.1x4.6x4.6in	<b>Box Weight</b>	964g / 34.08oz
<b>Color</b>	White	<b>Box Includes</b>	

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**ACC-MNT-11  
SQUARE JUNCTION BOX**

**ACC-MNT-11**  
Square Junction Box

Square junction box for mounting Bullet cameras.

**Compatible with**  
Cameras: Bullet Series  
Mounts: ACC-MNT-9, ACC-MNT-10

**Tech Specs**

<b>Model Number</b>	ACC-MNT-11	<b>Weight</b>	303g / 10.68oz
<b>Material</b>	Aluminum alloy	<b>Box Dimensions</b>	150x140x49mm / 5.9x5.5x1.9in
<b>Dimensions</b>	128x128x40mm / 5.0x5.0x1.6in	<b>Box Weight</b>	364g / 12.83oz
<b>Color</b>	White	<b>Box Includes</b>	Junction box, 2x 3/4" NPT plugs, 4x buttonhead screws

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**ACC-MNT-8  
PENDANT CAP MOUNTING ADAPTER KIT, 2ND GENERATION**

**ACC-MNT-8**  
Pendant Cap Mounting Adapter Kit, 2nd Generation

Threaded cap features built in 3/4" female NPT and 1.5" male NPT threads.

**Compatible with**  
Cameras: Dome Series, Fisheye Camera, Multisensor Camera, D30, D50, D80  
Mounts: ACC-MNT-2

**Tech Specs**

<b>Model Number</b>	ACC-MNT-8	<b>Weight</b>	300g / 10.58oz
<b>Material</b>	Aluminum alloy	<b>Box Dimensions</b>	510x490x220mm / 20.1x19.3x8.7in
<b>Dimensions</b>	Ø195x42mm / Ø6.1x1.7in	<b>Box Weight</b>	350g / 12.34oz
<b>Color</b>	White	<b>Box Includes</b>	Mount cap, set screw, 3 thumb screws

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MOUNT DETAIL

SCALE: N.T.S.

A

MOUNT DETAIL

SCALE: N.T.S.

B

MOUNT DETAIL

SCALE: N.T.S.

C

**ACC-MNT-9  
POLE MOUNT ADAPTER, 2ND GENERATION**

**ACC-MNT-9**  
Pole Mount Adapter, 2nd Generation

For mounting a camera to a circular pole. Suitable for poles up to 152.4mm (6") in diameter. Minimum pole diameter of 1.25" (32mm).

**Compatible with**  
Cameras: Bullet Series  
Mounts: ACC-MNT-2, ACC-MNT-3, or ACC-MNT-7

**Tech Specs**

<b>Model Number</b>	ACC-MNT-9	<b>Weight</b>	742g / 26.17oz
<b>Material</b>	Steel	<b>Box Dimensions</b>	194x135x269mm / 7.6x5.3x10.6in
<b>Dimensions</b>	160x150x68mm / 6.3x6.3x2.7in	<b>Box Weight</b>	1190g / 41.97oz
<b>Color</b>	White	<b>Box Includes</b>	Adapter plate, metal straps (2 sets), fasteners for compatible mounts

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MOUNT DETAIL

SCALE: N.T.S.

D

**APPROVALS**

**NOTES:**

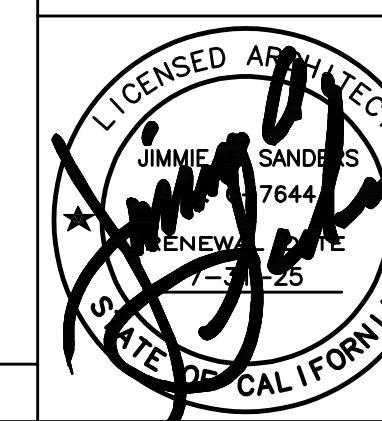
1. OWNER PROVIDED FIXTURES, CONTRACTOR INSTALLED.

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Project Title  
**IMPERIAL VALLEY COLLEGE  
CAMPUS SECURITY CAMERAS REPLACEMENT**

Sheet Title  
**FIXTURE SCHEDULE - CAMERA MOUNTS**



Document Date  
**10-09-23**  
Date Last Revised

Project Number  
**23-061V**

Sheet Number  
**CM2.2**

KIMLIGHTING

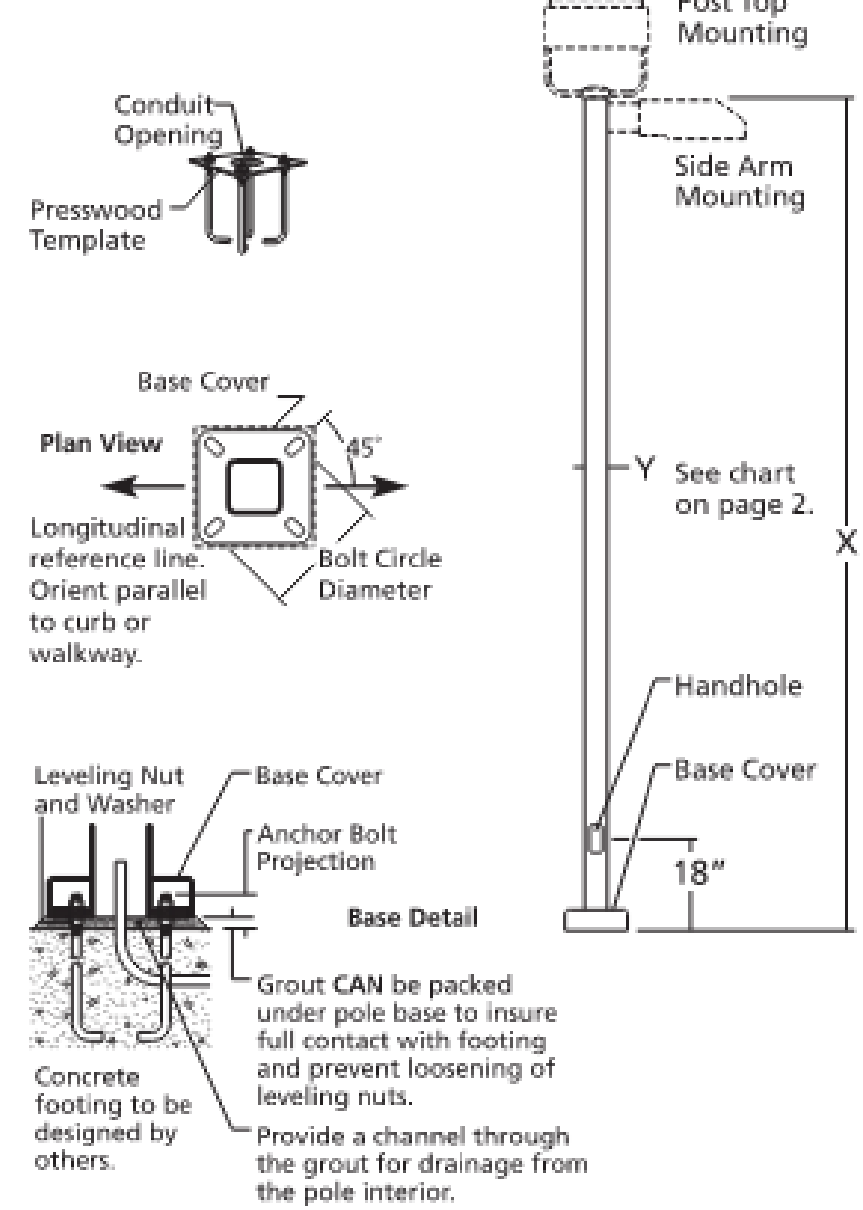
**KSS**  
SQUARE STEEL NOT-TAPERED POLE

Type:  
Job:  
Catalog number:

Approvals:



**Specifications**



**Pole Construction:** One-piece non-tapered square shaft of low carbon steel (ASTM-A500, Grade B, 46,000 PSI min. yield) with one flush-welded vertical seam. Shaft is welded to a flat steel anchor base (ASTM-A36, 36,000 PSI min. yield).

**Base Cover:** Base has a two-piece cast aluminum full cover of 319 alloy, secured by stainless steel screws.

**Pole Cap:** A flush-sided cast aluminum pole cap is provided for side arm mounted luminaires.

**Handhole:** 18" up from base, with a gasketed cover and ground lag. Reinforced 3" x 5" handhole is provided on poles 20' and taller.

**Anchor Bolts:** Four fully galvanized anchor bolts provided (ASTM-A36, 36,000 PSI min. yield) complete with eight galvanized nuts, eight galvanized flat washers, and a presswood template.

**Strength:** Poles will withstand wind loads as listed in chart (see page 2) when luminaires are mounted per fixture installation instructions.

**Finish:** Super T-Cat, thermoseal polyester powder coat paint, 2.5 mil nominal thickness.

**CAUTION:** Do not install poles without luminaires or strength guarantee is voided. Any unauthorized accessories secured to pole shall void strength guarantee.

**Maintenance:** A regularly scheduled maintenance program must be established to insure the protective paint coating is intact, corrosion or structural damage has not occurred, and anchor bolt nuts are tight. Failure to do so could lead to pole collapse and serious personal injury.

**Certification:** Certified UL 1598 in accordance with Article 410 of ANSI/NFPA 70, National Electrical Code.

**KSS SQUARE STEEL NOT-TAPERED POLE**  
**KSS14-4120**

KIMLIGHTING

**KSS**  
SQUARE STEEL NOT-TAPERED POLE

**Standard Features**

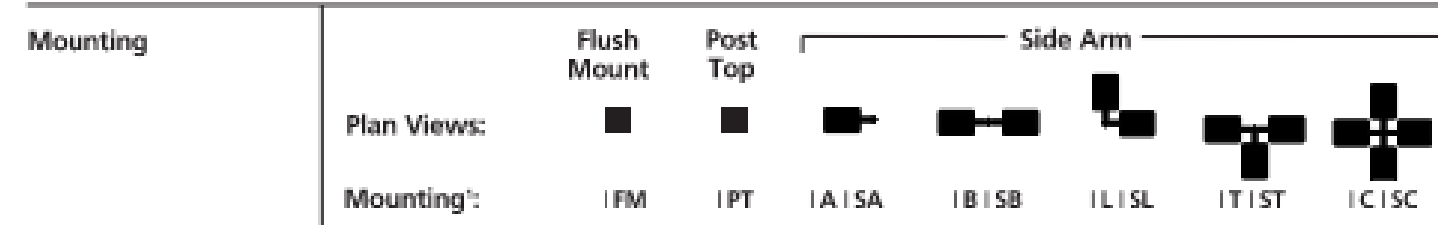
NOTE: All allowable pole and fixture EPAs are derived from the AASHTO standard. Responsibility lies with the specifier for correct pole selection based on local codes and standards for the job location. (See page 4)

Diagram showing pole dimensions X and Y.

Pole™ Pole Catalog Number	Allowable Pole EPA								Wind Map Steady Wind	
	X	Y	85	90	100	110	120	130		140
KSS10-4120	10'	4" x 11 ga.	28.7	25.3	20	16	13.06	10.71	8.85	7.33
KSS12-4120	12'	4" x 11 ga.	22.91	20.12	15.67	12.37	9.86	7.91	6.35	5.11
KSS14-4120	14'	4" x 11 ga.	18.66	16.22	12.4	9.57	7.42	5.75	4.42	3.35
KSS16-4120	16'	4" x 11 ga.	15.25	13.15	9.81	7.32	5.45	3.98	2.82	1.86
KSS20-4120	19.5'	4" x 11 ga.	10.42	8.73	6.05	4.06	2.6	1.43	0.51	—
KSS20-4180	19.5'	4" x 7 ga.	20.6	17.8	13.5	10.3	7.9	6	4.5	3.3
KSS25-4120	25'	4" x 11 ga.	5.05	3.8	1.82	0.38	—	—	—	—
KSS25-4180	25'	4" x 7 ga.	12.8	10.7	7.6	5.3	3.5	2.1	—	—
KSS25-5120	25'	5" x 11 ga.	9.1	7.35	4.52	2.35	0.71	—	—	—
KSS25-5180	25'	5" x 7 ga.	13.9	11.6	7.9	5.1	3	1.4	—	—
KSS30-4180	30'	4" x 7 ga.	5.9	4.7	2.5	1.1	—	—	—	—
KSS30-5180	30'	5" x 7 ga.	10.7	8.5	5.2	2.7	0.8	—	—	—

**Anchor Base and Bolt Detail**

Pole Height	Pole Size	Bolt Circle Dia.	Anchor Bolt Projection	Anchor Bolts Size	Base Cover Size	Conduit Opening
10'-16'	4"	7 1/2" x 8 1/2"	3 3/8"	3/4" x 15" x 3"	8 5/8" sq.	3" sq.
20'-30'	4"	7 1/2" x 8 1/2"	3 3/8"	3/4" x 30" x 3"	8 5/8" sq.	3" sq.
25'-30'	5"	10" x 12 1/2"	3 7/8"	3/4" x 30" x 3"	12 5/8" sq.	3" sq.



NOTE: Allowable Pole EPA for jobsite wind conditions must be equal to or greater than fixture mount EPA. Please refer to Kim Luminaire catalog for specific fixture. See luminaire drilling requirements in luminaire catalog.

**Structural Luminaires Only - Examples**

- ITS: Single Tension for small and large Structural - KSS20-4120B-TS
- ITD: Double Tension for small and large Structural - KSS20-4120B-TD
- ITR: Truss for small and large Structural - KSS20-4120B-TR
- IXTS: Single Tension for 1000W Structural - KSS20-4120B-XTS
- IXTD: Double Tension for 1000W Structural - KSS20-4120B-XTD
- IXTR: Truss for 1000W Structural - KSS20-4120B-XTR

KIMLIGHTING

**KSS**  
SQUARE STEEL NOT-TAPERED POLE

**Standard and Optional Features**

Finish	Cat. No.: Color:	Cat. No.: Color:
Powder coat paint.	<b>BBLT</b> Black Gloss Smooth	<b>BLGT</b> Light Grey Matte Textured
	<b>BBLT</b> Black Matte Textured	<b>BPSB</b> Platinum Silver Gloss Smooth
	<b>BDBS</b> Dark Bronze Gloss Smooth	<b>BVGT</b> Venetian Green Matte Textured
	<b>BDBT</b> Dark Bronze Matte Textured	<b>BWHS</b> White Gloss Smooth
	<b>BGTT</b> Graphite Matte Textured	<b>BWHT</b> White Matte Textured
	<b>BLSG</b> Light Grey Gloss Smooth	<b>BCC</b> Custom Color <sup>1</sup>

<sup>1</sup>Custom color subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description.

Optional Duplex Receptacle	Cat. No.:
	<b>DR</b>
	<b>DR-GFI</b>
	<b>No Option</b>

Mounted opposite the handhole, at 22 1/2" from base of pole, in a cast aluminum box that is internally welded and sealed with a gasketed self-closing cover and locking bracket.

**Duplex Receptacle (DR)** rated 20A, 125V.

**Duplex Receptacle with Ground Fault Circuit Interrupter (DR-GFI)** rated 20A, 125V.

**APPROVALS**

**STEEL POLE**

SCALE: N.T.S. **A**

**NOTES:**  
1. OWNER PROVIDED FIXTURES, CONTRACTOR INSTALLED.

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Project Title  
**IMPERIAL VALLEY COLLEGE  
CAMPUS SECURITY CAMERAS REPLACEMENT**

Sheet Title  
**FIXTURE SCHEDULE - CAMERA POLE**

	Document Date 11-14-23	Project Number 23-061V
	Date Last Revised	Sheet Number CM2.3