

Hellmuth, Obata & Kassabaum, Inc.



One Bush Street, Suite 200
San Francisco, CA 94104 USA
t +1 415 243 0555 f +1 415 882 7763

NORTH BUILDING

945 Kifer Road, Sunnyvale, CA 94086

PRIVATE PEDESTRIAN BRIDGE

Between 950 & 945 Kifer Road, Sunnyvale, CA 94086

Prepared for

INTUITIVE SURGICAL, INC.



Issued information

Modification to Approved Site Development Permit

RESPONSE TO FOURTH ROUND
OF PLANNING COMMENTS

Volume 5

MARCH 1, 2024



Project
ISI HQ North Building
945 Kifer Road, Sunnyvale, CA 94085

Prepared For
Intuitive Surgical, Inc.
1020 Kifer Road Sunnyvale, CA

Intuitive Surgical, Inc.
One Bush Street, Suite 200
San Francisco, CA 94104 USA
t +1 415 243 0555 f +1 415 882 7763

Intuitive Surgical, Inc.
Mechanical, Plumbing, Fire Protection
1505 Marina Village Parkway, Suite 501
Alameda, CA 94501-1142

The Engineering Enterprise
Electrical
1505 Marina Village Parkway
Alameda, CA 94501

Lench Bates
Vertical Transportation, Exterior Bldg Maintenance
460 Redwood Hwy Suite 16-510
San Rafael, CA 94903

KSH Architects
Envision AEC
545 Ohio Street
San Francisco, CA 94108

Project Data
Sheet 1 of 6

PLANNING GROSS AREA - NORTH BLDG
Table with 2 columns: Level, Area

PLANNING GROSS AREA - NORTH BLDG
Table with 2 columns: Level, Area

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Table with 2 columns: Level, Area

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Table with 2 columns: Level, Area

PROJECT DIRECTORY

- OWNER: INTUITIVE SURGICAL, INC.
ARCHITECT: HELMUTH, OBATA & KASSABAUM INC.
ENVELOPE ARCHITECT: K&A ARCHITECTS
MEP/ELECTRICAL ENGINEER: GEORGETOWN ENGINEERS

PACKAGE DESCRIPTION - NORTH BUILDING

- PACKAGE 01: DEMOLITION
PACKAGE 02: FOUNDATIONS
PACKAGE 03: SUPERSTRUCTURE
PACKAGE 04: CORE AND SHELL, MEP, SITEWORK AND SEISMIC SUPPORTS AND ANCHORAGE
PACKAGE 05: TENANT IMPROVEMENTS, MEP, SEISMIC SUPPORTS AND ANCHORAGE

LIST OF SPECIFIED ITEM CODES

- The specified item codes with xx suffixes are designations that relate to items which may be tagged in the construction documents and are further described in the project specifications.
ACW-xx ACCESSORY CABINETS

DELEGATED DESIGN ITEMS

- A. METAL STAIRS
B. EQUIPMENT CURBS & EQUIPMENT SUPPORTS INCLUDING SEISMIC BRACING
C. COLD-FORMED METAL FRAMING

CODE ANALYSIS

A. PROJECT ADDRESS: 945 KIFER ROAD, SUNNYVALE, CA 94088
B. LOT COVERAGE: NORTH SITE LOT COVERAGE APPROVED: 76% (59,731 SF)
C. APPLICABLE CODES & ORDINANCES: 2022 CALIFORNIA BUILDING CODE VOLUME 1
D. FUTURE CODES: 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS CODE

GENERAL DESCRIPTION

PLANNING GROSS AREA - NORTH BLDG
Table with 2 columns: Level, Area

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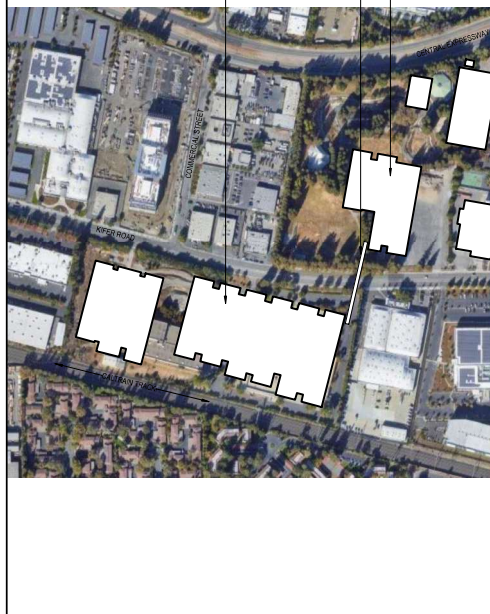
PLANNING GROSS AREA - NORTH BLDG
Table with 2 columns: Level, Area

PLANNING GROSS AREA - NORTH BLDG
Table with 2 columns: Level, Area

LOCATION MAP



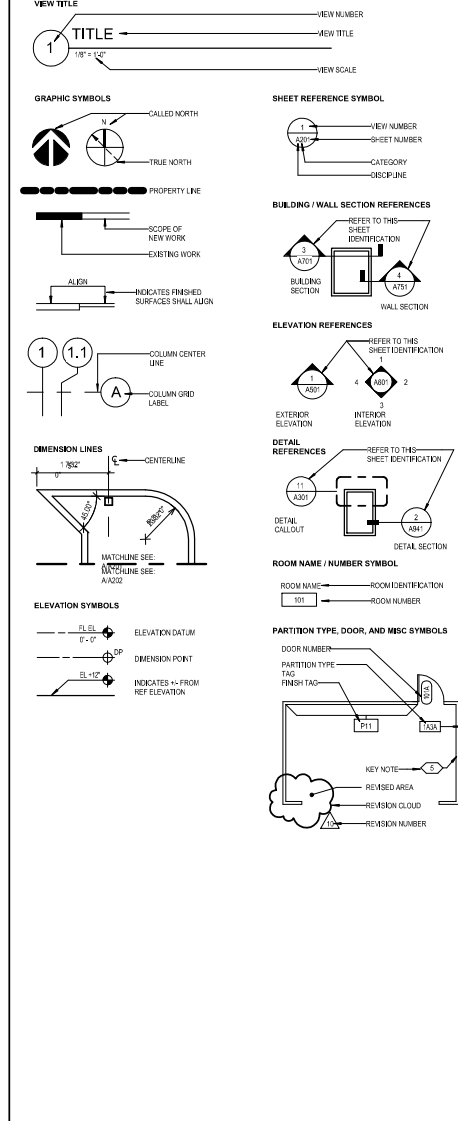
PROJECT AREA



PLANNING REQUIREMENTS FROM APPROVED SPECIAL DEVELOPMENT PERMIT INCLUDED FOR REFERENCE

- REFERENCE TO SUNNYVALE PLANNING PERMIT #2012-04-101000
1. DEVELOPMENT SHALL BE IN ACCORDANCE WITH THE SUNNYVALE PLANNING PERMIT #2012-04-101000
2. THE DEVELOPMENT SHALL BE IN ACCORDANCE WITH THE SUNNYVALE PLANNING PERMIT #2012-04-101000

ANNOTATION SYMBOLS



PLANNING REQUIREMENTS FROM APPROVED SPECIAL DEVELOPMENT PERMIT INCLUDED FOR REFERENCE

- REFERENCE TO SUNNYVALE PLANNING PERMIT #2012-04-101000
1. DEVELOPMENT SHALL BE IN ACCORDANCE WITH THE SUNNYVALE PLANNING PERMIT #2012-04-101000
2. THE DEVELOPMENT SHALL BE IN ACCORDANCE WITH THE SUNNYVALE PLANNING PERMIT #2012-04-101000

GENERAL NOTES

- A. GENERAL NOTES: 1. THE CONTRACTOR SHALL PROVIDE COMPLETE PROJECT SYSTEMS AND COMPONENTS AND COMPLY WITH ALL REQUIREMENTS INDICATED ON THE PROJECT DOCUMENTS
2. WORK WITHIN THE AREA BOUNDARIES INDICATED IN THE PROJECT DOCUMENTS AND COMPLY WITH ALL APPLICABLE BUILDING CODE, REGULATION, & ORDINANCE REQUIREMENTS

LIST OF ABBREVIATIONS

Table with 3 columns: Abbreviation, Full Name, Notes. Includes entries like LAB LABORATORY, REC RECESSED AREA, etc.

Project
ISI BRIDGE
Connecting 945 & 950 Kifer
Sunnyvale, CA, 94086

Prepared For
INTUITIVE SURGICAL, INC.
1020 Kifer Road Sunnyvale, CA



Hill, Obata & Kassabaum, Inc.
One Bush Street, Suite 200
San Francisco, CA 94104 USA
t +1 415 243 0555 f +1 415 682 7763

Association with

Contractor

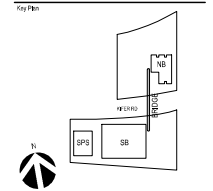
Kier + Wright
Civil Engineer
2650 Collier Canyon Road
Livermore, CA 94551

Comston
Civil Engineer
1250 Gaiens Road
Sunnyvale, CA 94089

Taylor Engineering
Mechanical, Electrical, Fire Protection
1501 Marina Village Parkway, Suite 201
Alameda, CA 94501-1142

The Engineering Enterprise
Mechanical
1205 Marina Village Parkway
Alameda, CA 94501

KSH Architects
Envelope A02
345 Sutter Street
San Francisco, CA 94108

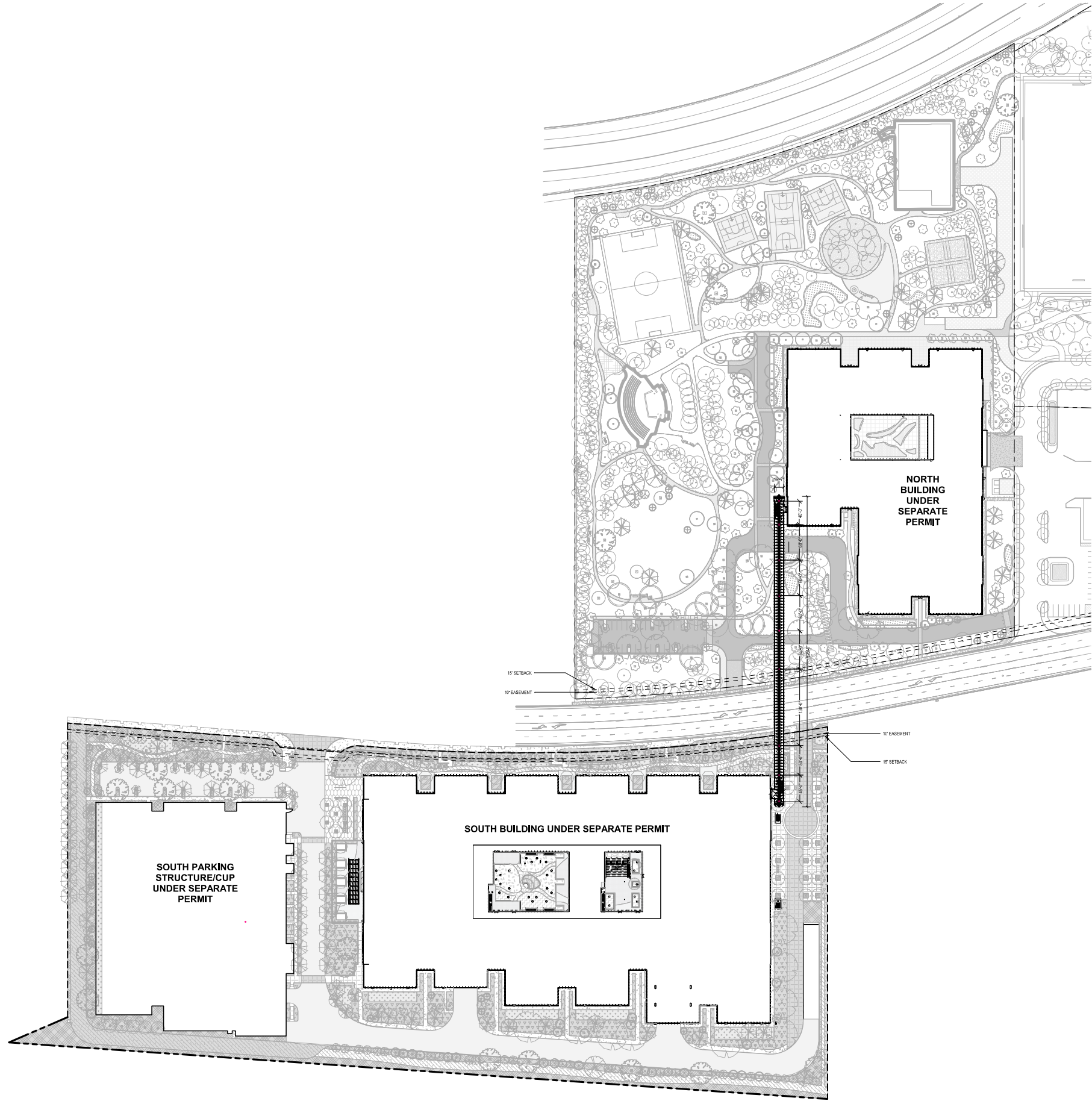


Professional Seal:

**NOT FOR
CONSTRUCTION**

No.	Description	Date
01	CONCEPT	02/04/2017
02	SPRINT	02/04/2017
03	PROVISIONAL SET	02/04/2017
04	MODIFICATION TO APPROVED SET DEVELOPMENT PERMIT	02/04/2017
05	PLANNING DEPARTMENT REVIEW	02/04/2017
06	PLANNING DEPARTMENT REVIEW	02/04/2017
07	PLANNING DEPARTMENT REVIEW	02/04/2017

Project No: 00.000003.00
Sheet No:
SITE PLAN



1 SITE PLAN
1" = 80'-0"

Project:
ISI BRIDGE
Connecting 945 & 950 Kifer
Sunnyvale, CA, 94086

Prepared For:
INTUITIVE SURGICAL, INC.
1220 Kifer Road Sunnyvale, CA



Hill, Obata & Kassabaum, Inc.
One Bush Street, Suite 200
San Francisco, CA 94104 USA
t +1 415 243 0555 f +1 415 882 7763

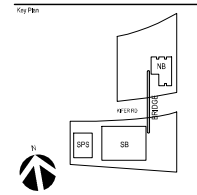
Contractor:
Kier + Wright
Civil Engineer
2651 Collier Canyon Road
Livermore, CA 94551

Consultant:
Cometech Engineering
1250 Oakwood Parkway
Sunnyvale, CA 94089

Taylor Engineering
Mechanical, Electrical, Fire Protection
1501 Marina Village Parkway, Suite 301
Alameda, CA 94501-1142

The Engineering Enterprise
Mechanical
1205 Marina Village Parkway
Alameda, CA 94501

KSH Architects
Enrollment No. 2017
345 Sutter Street
San Francisco, CA 94108



**NOT FOR
CONSTRUCTION**

Rev.	Description	Date
01	ISSUED FOR PERMIT	02/04/2017
02	ISSUED FOR PERMIT	02/04/2017
03	ISSUED FOR PERMIT	02/04/2017
04	ISSUED FOR PERMIT	02/04/2017
05	ISSUED FOR PERMIT	02/04/2017
06	ISSUED FOR PERMIT	02/04/2017
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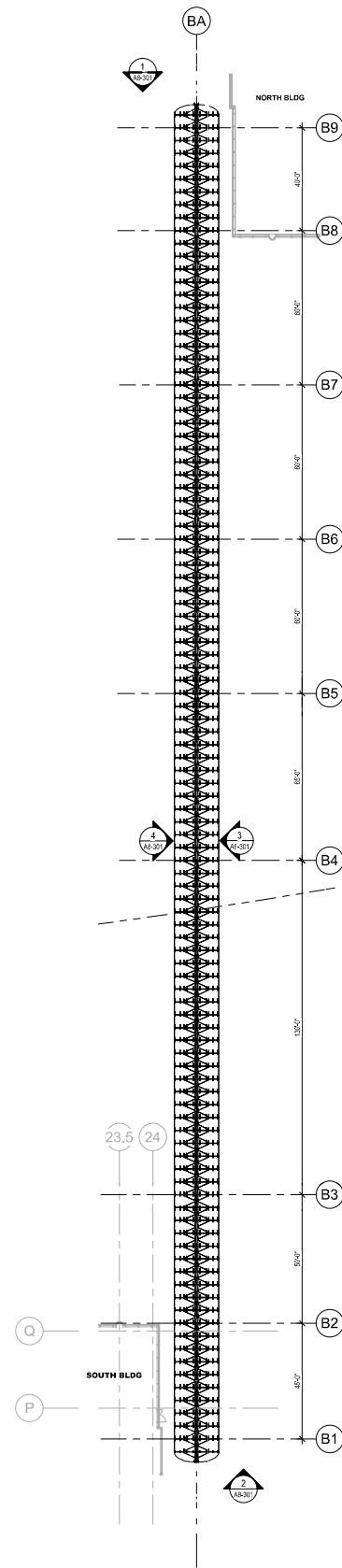
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Sheet No.:

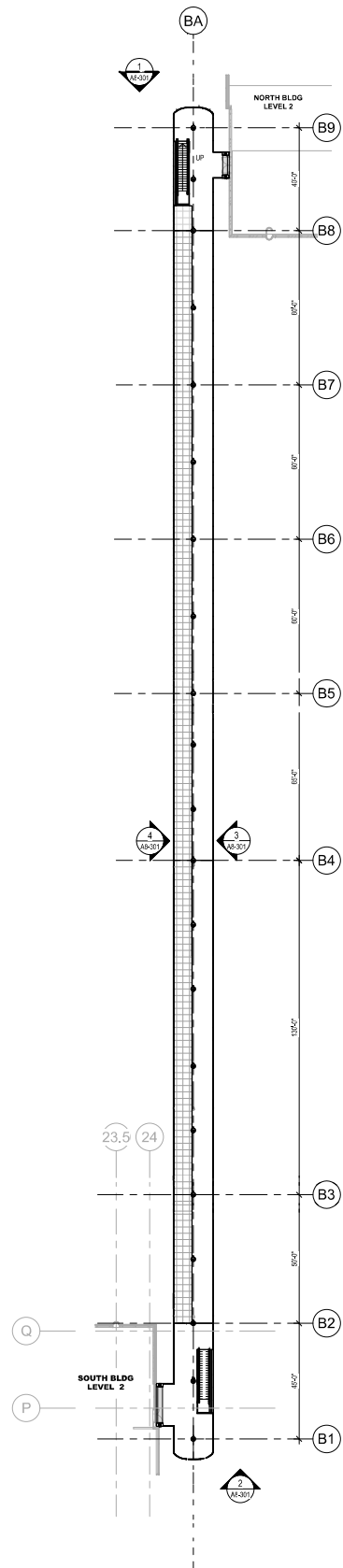
**COMPOSITE FLOOR
PLANS**

Sheet Number:

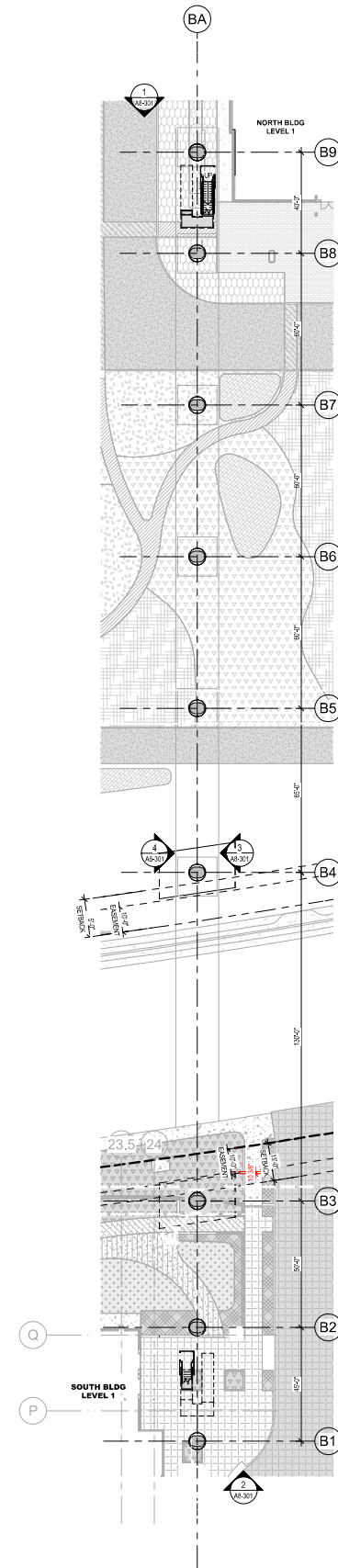
A8-100



3 FLOOR PLAN - CANOPY
3/8" = 1'-0"



2 FLOOR PLAN - LEVEL 2
3/8" = 1'-0"



1 FLOOR PLAN - LEVEL 1
3/8" = 1'-0"

GENERAL NOTES	
LEGEND	
	DOOR TAG. SEE DOOR SCHEDULE ON A8-401
	MATERIAL TAG. SEE MATERIAL SCHEDULE ON A8-01 FOR ADDITIONAL INFORMATION
SHEET NOTES	
KEYNOTE LEGEND	
Key Value	Keynote Text
1	GUTTERLIGHT SHELF ACCESS PANEL

10/20/2017 09:11:17 PM

Project:
ISI BRIDGE
Connecting 945 & 950 Kifer
Sunnyvale, CA, 94086

Prepared For:
INTUITIVE SURGICAL, INC.
1020 Kifer Road Sunnyvale, CA



Holmuth, Obata & Kassabaum, Inc.
One Bush Street, Suite 200
San Francisco, CA 94104 USA
t +1 415 243 0555 f +1 415 882 7763

Association with:

Contractor:

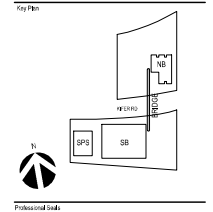
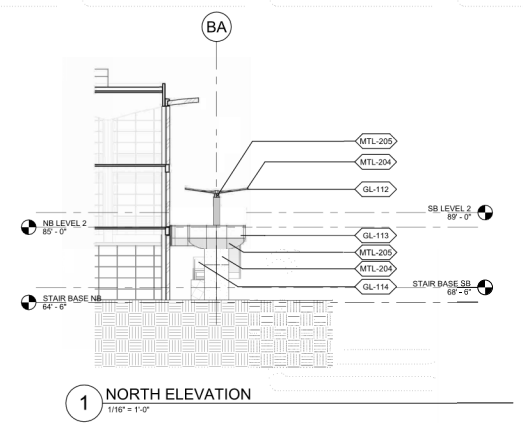
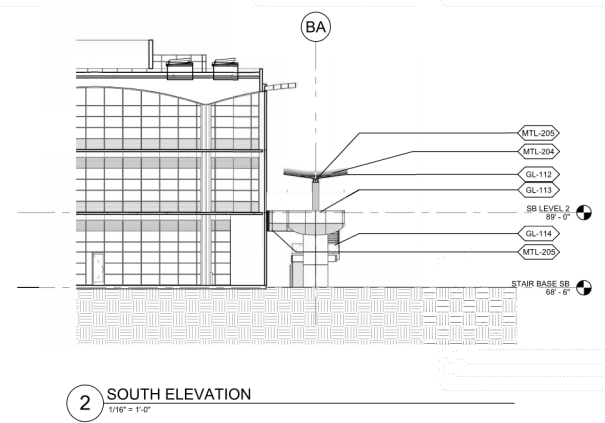
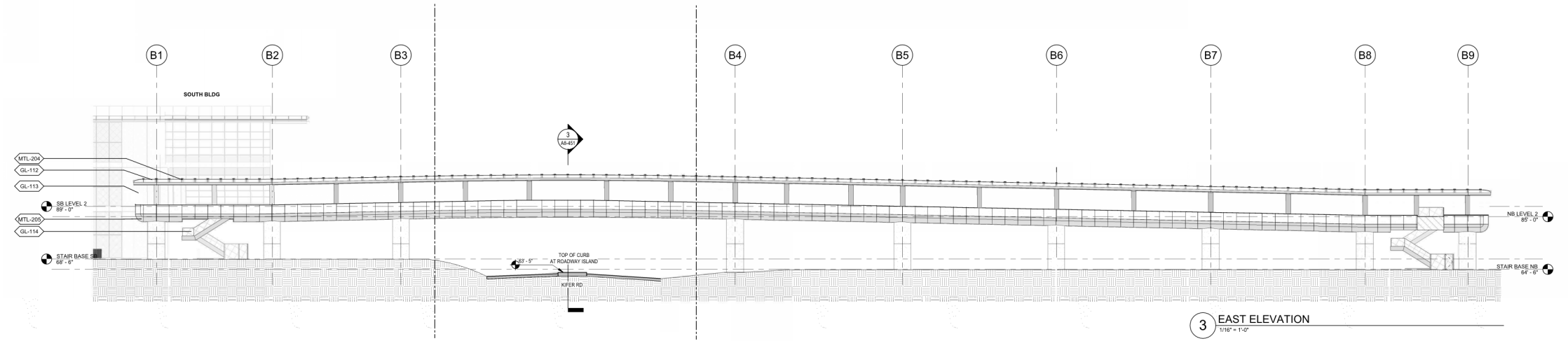
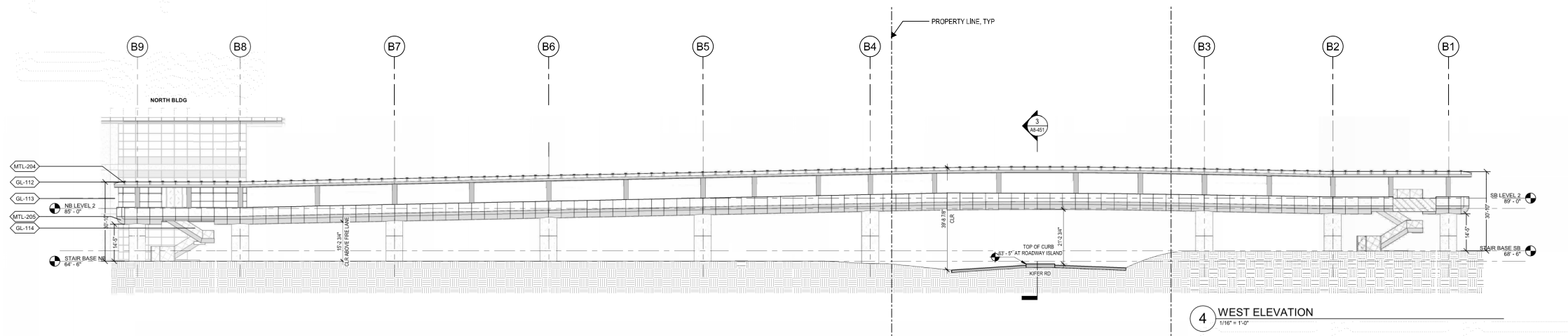
Kier + Wright
Civil Engineer
2501 Collier Canyon Road
Livermore, CA 94551

Consultant:
Civil Engineer
1250 Camino Parkway
Sunnyvale, CA 94085

Taylor Engineering
Mechanical, Plumbing, Fire Protection
100 Marina Village Parkway, Suite 301
Alameda, CA 94501-1142

The Engineering Enterprise
Structural
1305 Marina Village Parkway
Alameda, CA 94501

KSH Architects
Emerging AEC
349 Sutter Street
San Francisco, CA 94108



NOT FOR CONSTRUCTION

Rev	Description	Date
01	ISSUED FOR PERMITS	02/04/20
02	ISSUED FOR PERMITS	02/04/20
03	ISSUED FOR PERMITS	02/04/20
04	ISSUED FOR PERMITS	02/04/20
05	ISSUED FOR PERMITS	02/04/20
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19	ISSUED FOR PERMITS	02/04/20
20	ISSUED FOR PERMITS	02/04/20

Project No: 02.00003.00
Sheet No: 05

OVERALL ELEVATIONS

Sheet Number
A8-301

GENERAL NOTES - ELEVATION	ELEVATION LEGEND	ELEVATION SHEET NOTES										
<p>1. SAFETY GLAZING MUST BE PROVIDED AT HAZARDOUS LOCATIONS PER CBC 2408.4, INCLUDING, BUT NOT LIMITED TO, GLAZING WITHIN 10' OF A WALKING SURFACE, GLAZING IN DOORS, AND GLAZING ADJACENT TO DOORS.</p> <p>2. THE GLASS GUARDRAILS WILL HAVE AN INTERLAYER WITH A PATTERN APPLIED THAT WILL COMPLY WITH THE CITY OF SUNNYVALE'S BRO-SAFE GUIDELINES.</p>	<table border="1"> <tr> <td></td> <td>CLEAR LAMINATED GLASS WITH PATTERNED INTERLAYER AT GUARDRAIL</td> </tr> <tr> <td></td> <td>TRANSLUCENT PATTERN GLASS AT GUARDRAIL</td> </tr> <tr> <td></td> <td>CLEAR LAMINATED GLASS - STAIR GUARDRAIL</td> </tr> <tr> <td></td> <td>PAINTED ALUMINUM PANELS AT UNIDIRECTIONALLY OF BRIDGE & CANOPY</td> </tr> <tr> <td></td> <td>PAINTED ALUMINUM COMPOSITE PANELS AT COLUMN COVER</td> </tr> </table>		CLEAR LAMINATED GLASS WITH PATTERNED INTERLAYER AT GUARDRAIL		TRANSLUCENT PATTERN GLASS AT GUARDRAIL		CLEAR LAMINATED GLASS - STAIR GUARDRAIL		PAINTED ALUMINUM PANELS AT UNIDIRECTIONALLY OF BRIDGE & CANOPY		PAINTED ALUMINUM COMPOSITE PANELS AT COLUMN COVER	
	CLEAR LAMINATED GLASS WITH PATTERNED INTERLAYER AT GUARDRAIL											
	TRANSLUCENT PATTERN GLASS AT GUARDRAIL											
	CLEAR LAMINATED GLASS - STAIR GUARDRAIL											
	PAINTED ALUMINUM PANELS AT UNIDIRECTIONALLY OF BRIDGE & CANOPY											
	PAINTED ALUMINUM COMPOSITE PANELS AT COLUMN COVER											

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Project
ISI BRIDGE
Connecting 945 & 950 Kifer
Sunnyvale, CA, 94086

Prepared For
INTUITIVE SURGICAL, INC.
1020 Kifer Road Sunnyvale, CA



Hollmuth, Obata & Kassabaum, Inc.
One Bush Street, Suite 200
San Francisco, CA 94104 USA
t +1 415 243 0555 f +1 415 882 7763

Association with

Contractor

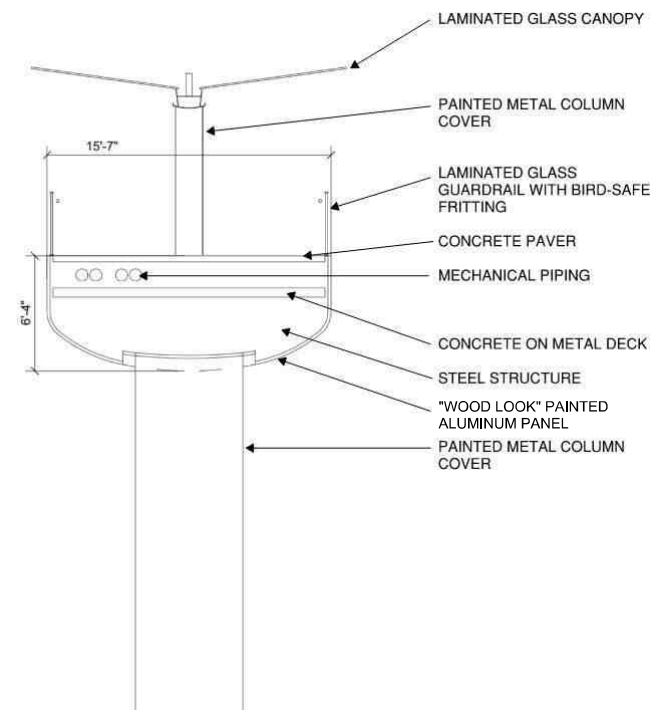
Kier + Wright
Civil Engineer
2650 Collier Canyon Road
Livermore, CA 94551

ComerStone
Civil/Mechanical Engineer
1250 Camino Parkway
Sunnyvale, CA 94089

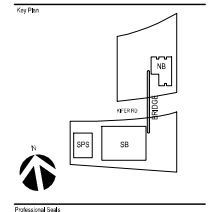
Taylor Engineering
Mechanical, Plumbing, Fire Protection
1501 Marina Village Parkway, Suite 201
Alameda, CA 94501-1142

The Engineering Enterprise
Mechanical
1205 Marina Village Parkway
Alameda, CA 94501

KSH Architects
Enriquez Architects
345 Sutter Street
San Francisco, CA 94108



3 SECTION - EAST-WEST CENTER
1/4" = 1'-0"



**NOT FOR
CONSTRUCTION**

No.	Description	Date
001	ISSUED FOR PERMIT	02/04/20
002	ISSUED FOR PERMIT	02/04/20
003	ISSUED FOR PERMIT	02/04/20
004	ISSUED FOR PERMIT	02/04/20
005	ISSUED FOR PERMIT	02/04/20
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018	ISSUED FOR PERMIT	02/04/20
019	ISSUED FOR PERMIT	02/04/20
020	ISSUED FOR PERMIT	02/04/20

Project No. 00-00000-00

Sheet No.

ENLARGED SECTIONS -
EAST-WEST

Sheet Number

A8-451

Project
ISI BRIDGE
Connecting 945 & 950 Kifer
Sunnyvale, CA, 94086

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1020 Kifer Road Sunnyvale, CA



Hollmuth, Obata & Kassabaum, Inc.
One Bush Street, Suite 200
San Francisco, CA 94104 USA
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Associated with:

Contractor:

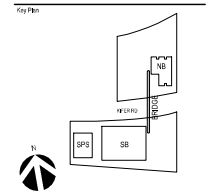
Kier + Wright
Civil Engineer
2650 Collier Canyon Road
Livermore, CA 94551

Consultant:
Civil Engineer
1250 Camino Parkway
Sunnyvale, CA 94086

Taylor Engineering
Mechanical, Electrical, Fire Protection
1501 Marina Village Parkway, Suite 301
Alameda, CA 94501-1142

The Engineering Enterprise
Mechanical
125 Marina Village Parkway
Alameda, CA 94501

KSH Architects
Envelope Architecture
345 Sater Street
San Francisco, CA 94108



Professional Seal:

**NOT FOR
CONSTRUCTION**

No.	Description	Date
001	ISSUED FOR PERMITS	02/04/2020
002	REVISIONS	02/04/2020
003	REVISIONS	02/04/2020
004	REVISIONS	02/04/2020
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016	REVISIONS	02/04/2020
017	REVISIONS	02/04/2020
018	REVISIONS	02/04/2020
019	REVISIONS	02/04/2020
020	REVISIONS	02/04/2020

Project No.: 00.000003.00

Sheet No.:

**ENLARGED PLAN - STAIR
NB**

Drawn by: J. K. Sunseri

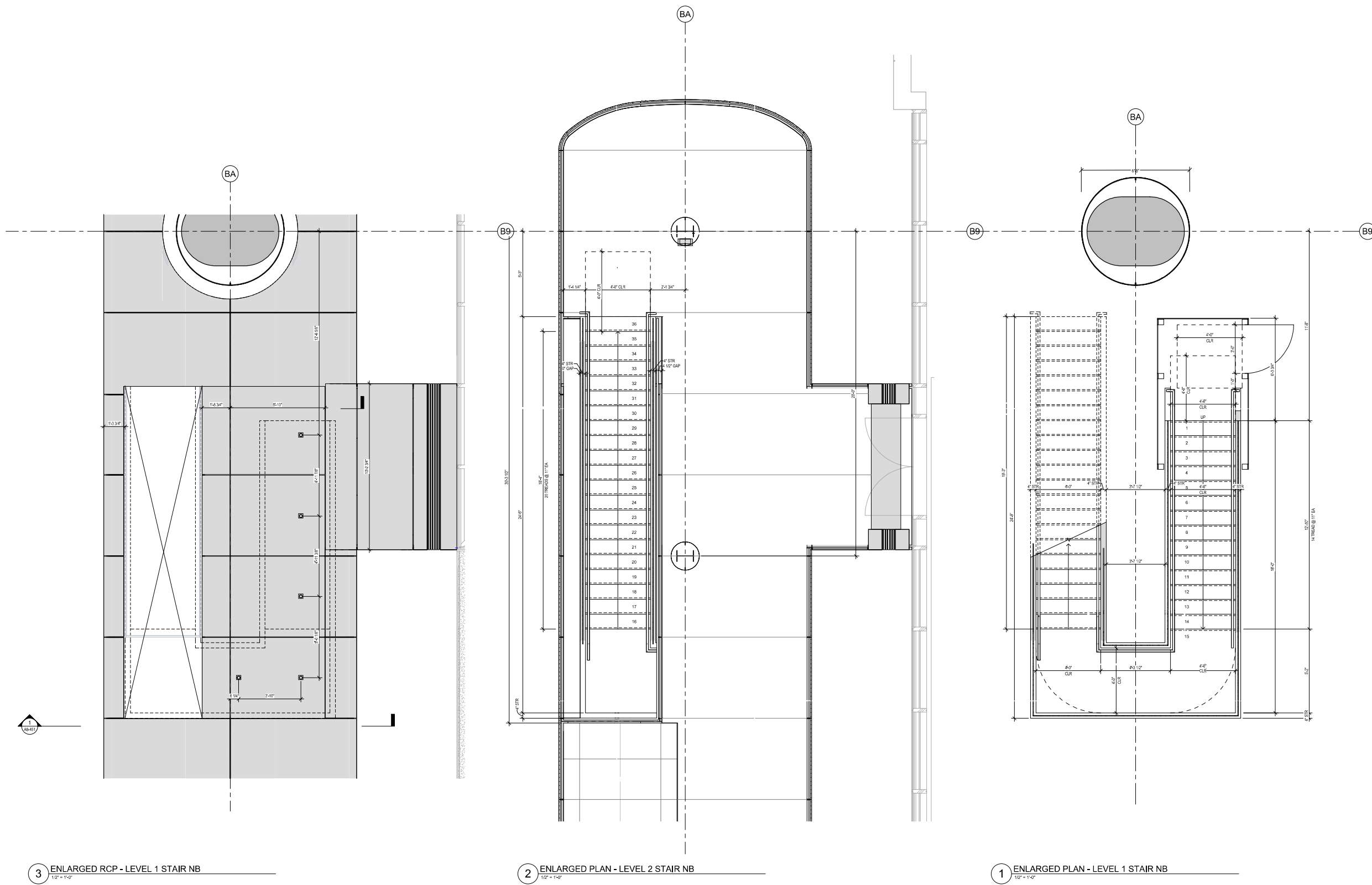
Checked by: J. K. Sunseri

Scale:

Date:

Sheet Number:

A8-471



3 ENLARGED RCP - LEVEL 1 STAIR NB
1/2" = 1'-0"

2 ENLARGED PLAN - LEVEL 2 STAIR NB
1/2" = 1'-0"

1 ENLARGED PLAN - LEVEL 1 STAIR NB
1/2" = 1'-0"

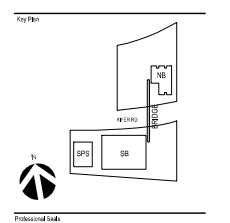
Project
ISI BRIDGE
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Prepared For
INTUITIVE SURGICAL, INC.
1020 Kifer Road Sunnyvale, CA



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t +1 415 243 0555 f +1 415 882 7763

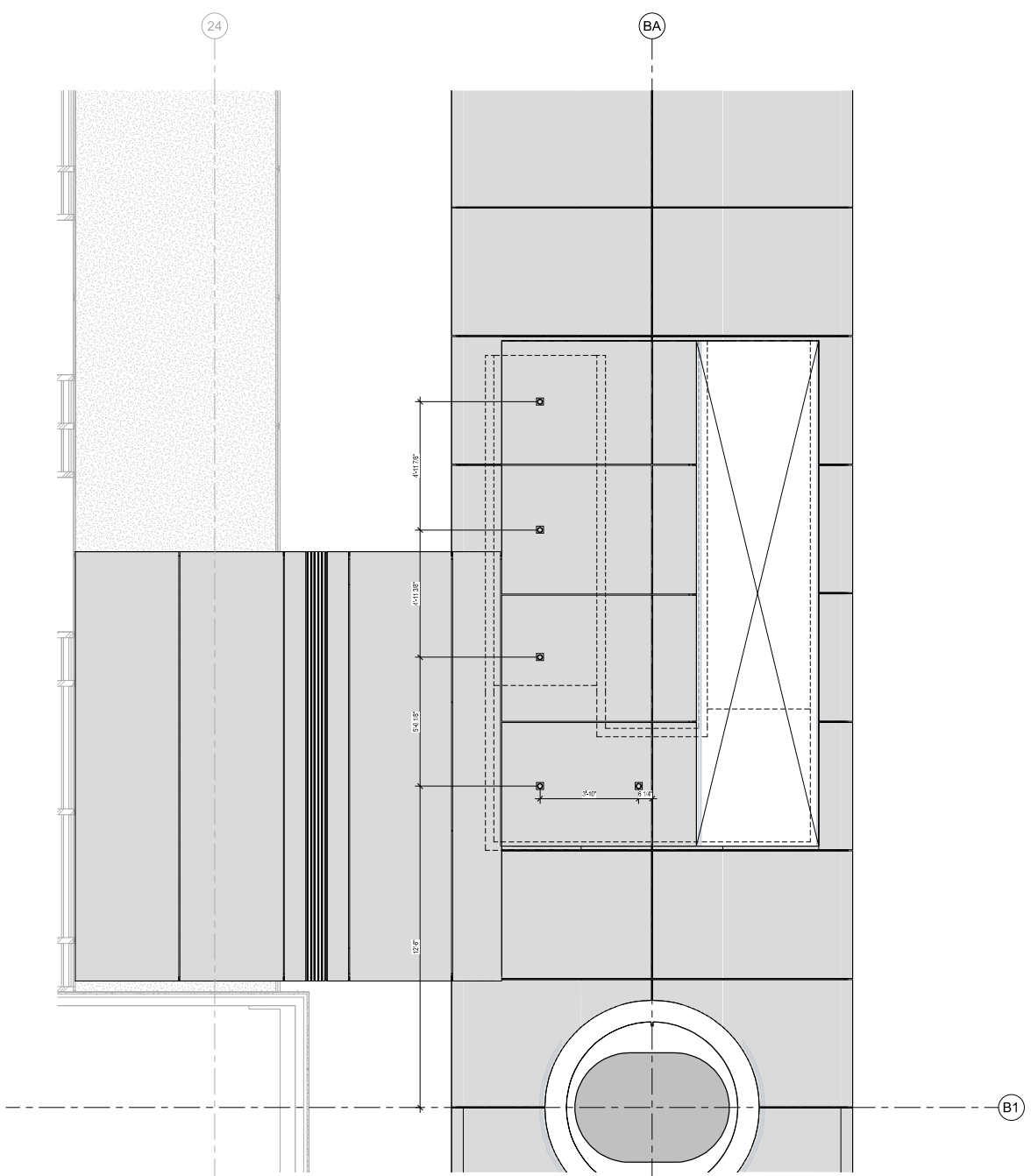
Association with
Contractor
Kier + Wright
Civil Engineer
2850 Collier Canyon Road
Livermore, CA 94551
Consulting
Civil Engineer
1250 Colma Road
Sunnyvale, CA 94086
Taylor Engineering
Mechanical, Electrical, Fire Protection
1500 Marina Village Parkway, Suite 201
Alameda, CA 94501-1142
The Engineering Enterprise
Mechanical
1205 Marina Village Parkway
Alameda, CA 94501
KSH Architects
Enrollment No. 1
345 Sutter Street
San Francisco, CA 94108



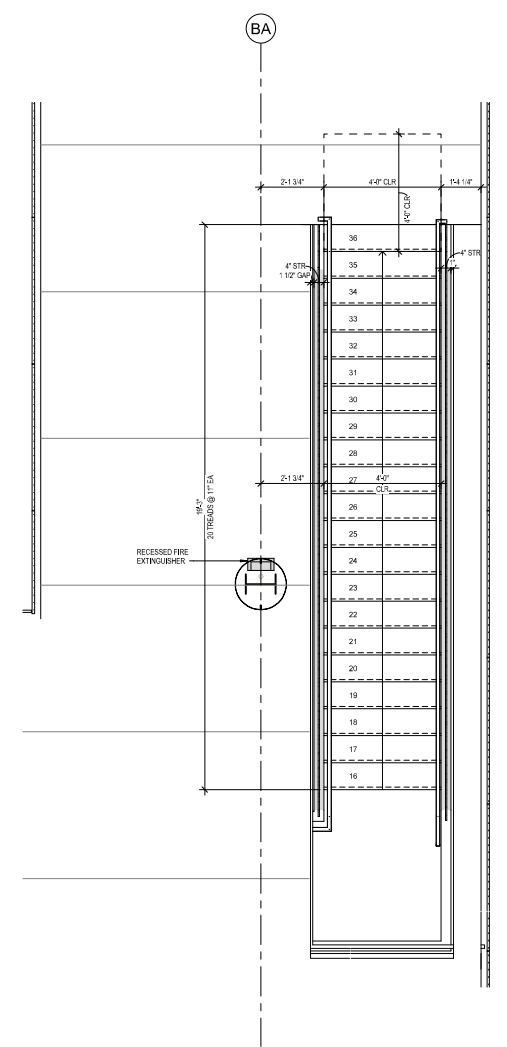
**NOT FOR
CONSTRUCTION**

No.	Description	Date
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2	REVISIONS SET	02/04/20
3	REVISIONS FOR (1) APPROVAL (1) PERMITS/PLANNING REVIEW	02/04/20
4	PLANNING REVIEW/PERMITS SET	02/04/20
5	PLANNING REVIEW/PERMITS SET	02/04/20
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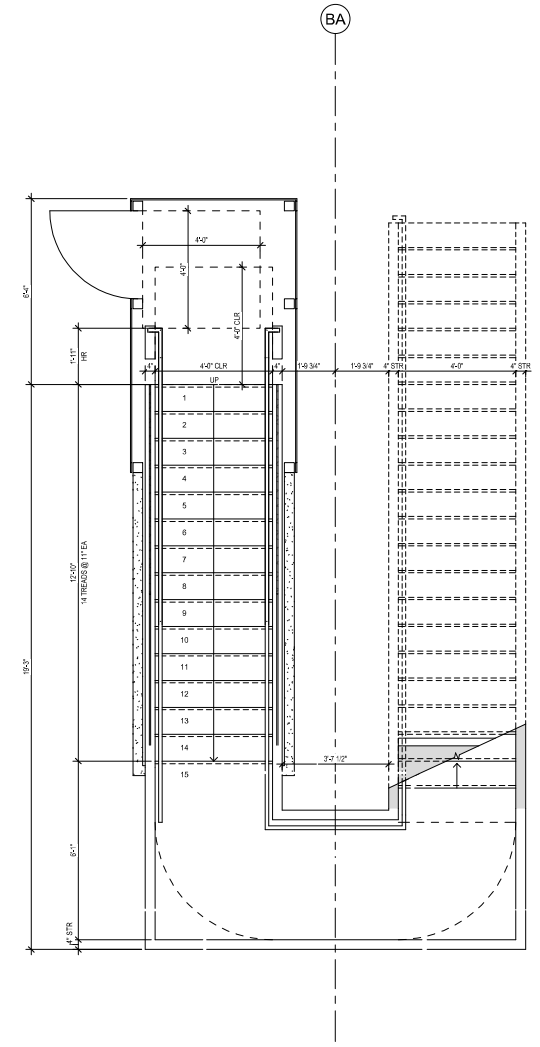
Project No. 00.00000.00
Sheet No.
ENLARGED PLAN - STAIR SB
Sheet Number



3 ENLARGED RCP PLAN - LEVEL 1 SB
1/2" = 1'-0"



2 ENLARGED PLAN - LEVEL 2 STAIR SB
1/2" = 1'-0"



1 ENLARGED PLAN - LEVEL 1 STAIR SB
1/2" = 1'-0"

Project:
ISI BRIDGE
Connecting 945 & 950 Kifer
Sunnyvale, CA, 94086

Prepared For:
INTUITIVE SURGICAL, INC.
1020 Kifer Road Sunnyvale, CA



Hill, Obata & Kassabaum, Inc.
One Bush Street, Suite 200
San Francisco, CA 94104 USA
t +1 415 243 0555 f +1 415 882 7763

Association with:

Contractor:

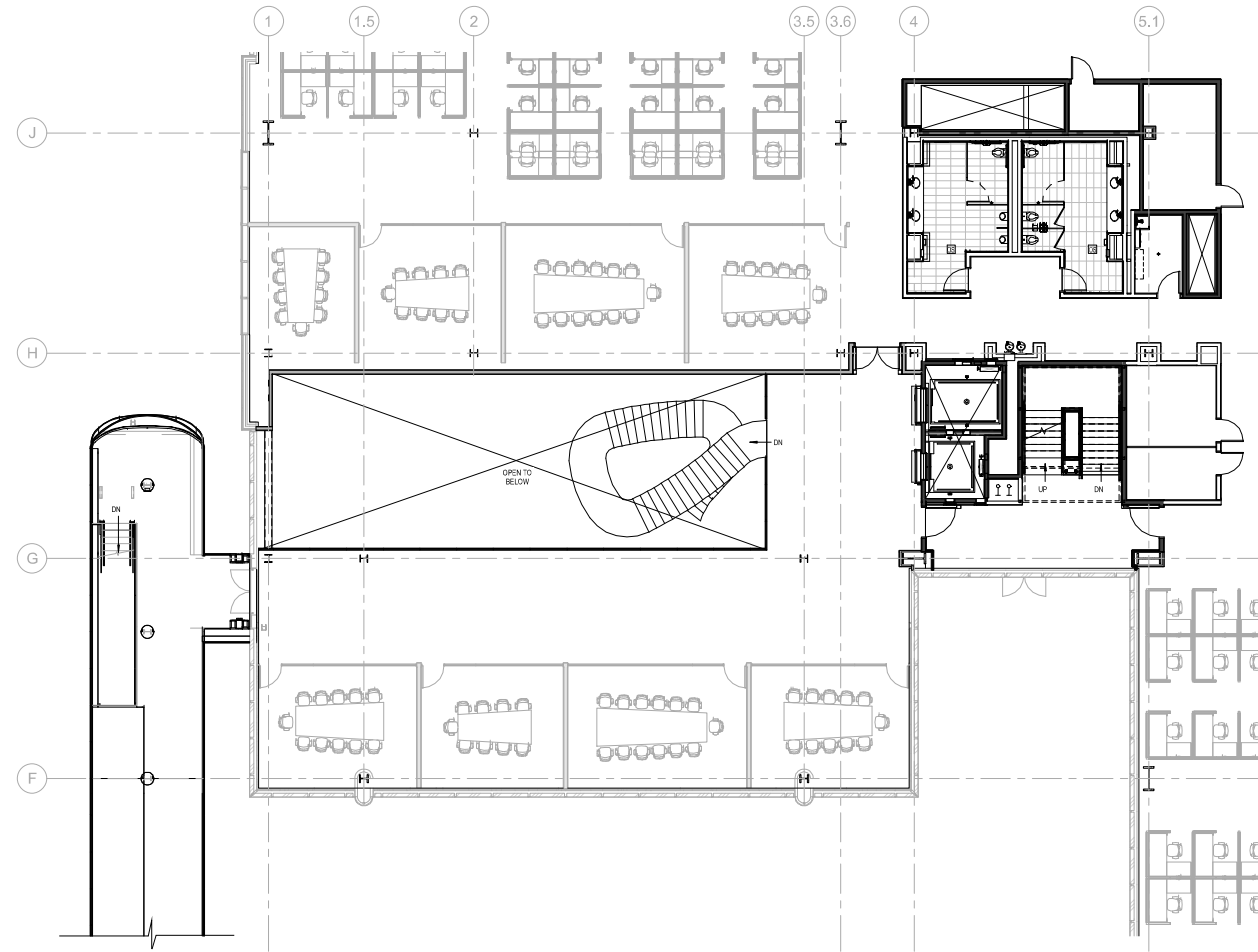
Kier + Wright
Civil Engineer
2850 Collier Canyon Road
Livermore, CA 94551

Comston
Civil Engineer
1250 Gaienset Parkway
Sunnyvale, CA 94086

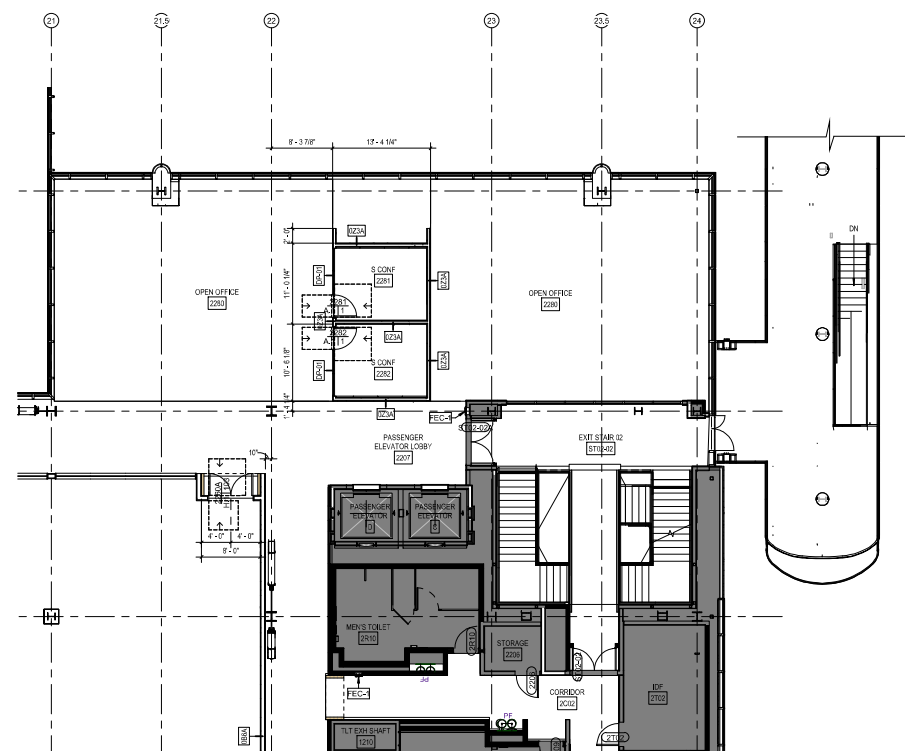
Taylor Engineering
Mechanical, Plumbing, Fire Protection
1500 Marina Village Parkway, Suite 201
Alameda, CA 94501-1142

The Engineering Enterprise
Mechanical
1305 Marina Village Parkway
Alameda, CA 94501

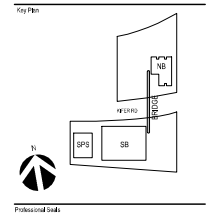
KSH Architects
Enlarged A02
345 Sutter Street
San Francisco, CA 94108



SECOND FLOOR - 945 KIFER ROAD



SECOND FLOOR - 950 KIFER ROAD



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No.	Description	Date
1	ISSUED FOR PERMITS	02/04/20
2	REVISIONS FOR 15% DEVELOPMENT REVIEW	02/10/20
3	PLANNING REVIEW SUBMITTAL 02	02/10/20
4	PLANNING REVIEW SUBMITTAL 03	02/10/20
5	PLANNING REVIEW SUBMITTAL 04	02/10/20

Project No: 05.000003.00

Sheet No:

ENLARGED PLAN - STAIR
SB

Sheet Number

A8-473

Project:
ISI BRIDGE
Connecting 945 & 950 Kifer
Sunnyvale, CA, 94086

Prepared For:
INTUITIVE SURGICAL, INC.
1020 Kifer Road Sunnyvale, CA



Holmuth, Obata & Kassabaum, Inc.
One Bush Street, Suite 200
San Francisco, CA 94104 USA
t +1 415 243 0555 f +1 415 882 7763

Architect: h+k

Association with:

Contractor:

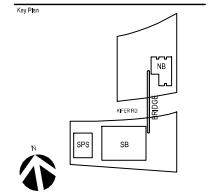
Kier + Wright
Civil Engineer
250 Coffer Canyon Road
Livermore, CA 94551

Consultant:
Civil Engineer
125 Camino Parkway
Sunnyvale, CA 94085

Taylor Engineering
Mechanical, Plumbing, Fire Protection
180 Marina Village Parkway, Suite 501
Alameda, CA 94501-1142

The Engineering Enterprise
Electrical
180 Marina Village Parkway
Alameda, CA 94501

KSH Architects
Envelope A02
340 Sutter Street
San Francisco, CA 94108



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No.	Description	Date
001	ISSUED	02/04/20
002	REVISION SET	02/04/20
003	REVISIONS TO APPROVED 10% DEVELOPMENT PERMIT	02/04/20
004	PLANNING PERMITS/ETAL 02	02/04/20
005	PLANNING PERMITS/ETAL 03	02/04/20
006	PLANNING PERMITS/ETAL 04	02/04/20

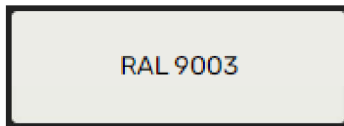
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Sheet No:

**EXTERIOR MATERIAL
SCHEDULE**

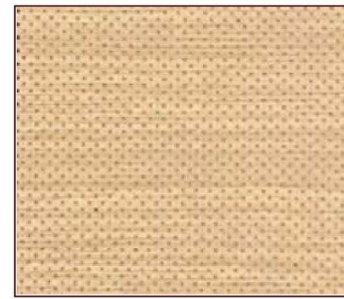
Sheet Number:

A8-901



RAL 9003

MTL-204



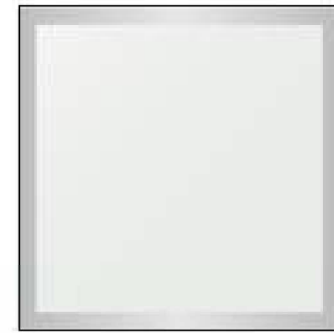
MTL-205



PV-101



CT-101



GL-112



GL-113

GLASS WILL BE CLEAR. DARK BACKGROUND PROVIDED TO SHOW DOTS.



GL-114

METAL	
PAINTED ALUMINUM COMPOSITE PANELS AT COLUMN COVER	
MTL-204	MFR/DIST: ALPOLIC OR SIMILAR TYPE: ACM NOTES: 4MM THICK
	FINISH: TBD COLOR: RAL 9003
PAINTED ALUMINUM PANELS AT UNDERBELLY OF BRIDGE & CANOPY	
MTL-205	MFR/DIST: ARMSTRONG WORLD INDUSTRIES TYPE: PAINTED ALUMINUM PANEL NOTES: METALWORKS LINEAR - CLASSICS NO. 7160 - UNPERFORATED
	FINISH: EFFECTS OAK COLOR: TO MATCH EXTERIOR BUILDING SOFFIT
METAL	
PEDESTAL PAVERS AT BRIDGE	
PV-101	MFR/DIST: MAUSAU PAVERS TYPE: HIDDEN LOK DOWN SYSTEM NOTES:
	FINISH: TBD
TOPPING SLAB	
CONCRETE TOPPING SLAB AT BRIDGE	
CT-101	MFR/DIST: TBD TYPE: TBD NOTES: COLOR & FRESH TO MATCH PAVERS
	FINISH:
GLASS	
OPAQUE GLASS AT BRIDGE CANOPY	
GL-112	MFR/DIST: TBD TYPE: TBO NOTES: INNER LAYER WHITE FILM 100% OPAQUE
	MAKE UP: GL-112 TBO ARTISAN
CLEAR LAMINATED PATTERNED GLASS - BRIDGE GUARDRAIL	
GL-113	MFR/DIST: MCGORARY TYPE: GRID SAFE NOTES: INNER LAYER FILM WITH 1/4" DIAGRAMS OF 2X2 TRANSLUCENT DOTS
	MAKE UP: GL-113 TBO ARTISAN
CLEAR LAMINATED GLASS - STAR GUARDRAIL	
GL-114	MFR/DIST: TBD TYPE: TBD NOTES: INNER LAYER FILM
	MAKE UP: GL-114 TBO ARTISAN

Project:
ISI BRIDGE
Connecting 945 & 950 Kifer
Sunnyvale, CA, 94086

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1020 Kifer Road Sunnyvale, CA



Hill, Obata & Kassabaum, Inc.
One Bush Street, Suite 200
San Francisco, CA 94104 USA
t +1 415 243 0555 f +1 415 682 7763

Association with:

Contractor:

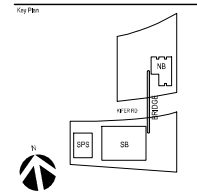
Kier + Wright
Civil Engineer
2850 Collier Canyon Road
Livermore, CA 94551

Commissioning
General Engineer
1250 Calwood Parkway
Sunnyvale, CA 94086

Taylor Engineering
Mechanical, Plumbing, Fire Protection
1501 Marina Village Parkway, Suite 201
Alameda, CA 94511-1142

The Engineering Enterprise
Mechanical
1205 Marina Village Parkway
Alameda, CA 94501

KSH Architects
Envelope A/C/E
345 Sutter Street
San Francisco, CA 94108



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No.	Description	Date
1	PLANNING RESUBMITTAL_01	2/24/2017
2	PLANNING RESUBMITTAL_02	2/24/2017
3	PLANNING RESUBMITTAL_03	2/24/2017
4	PLANNING RESUBMITTAL_04	2/24/2017

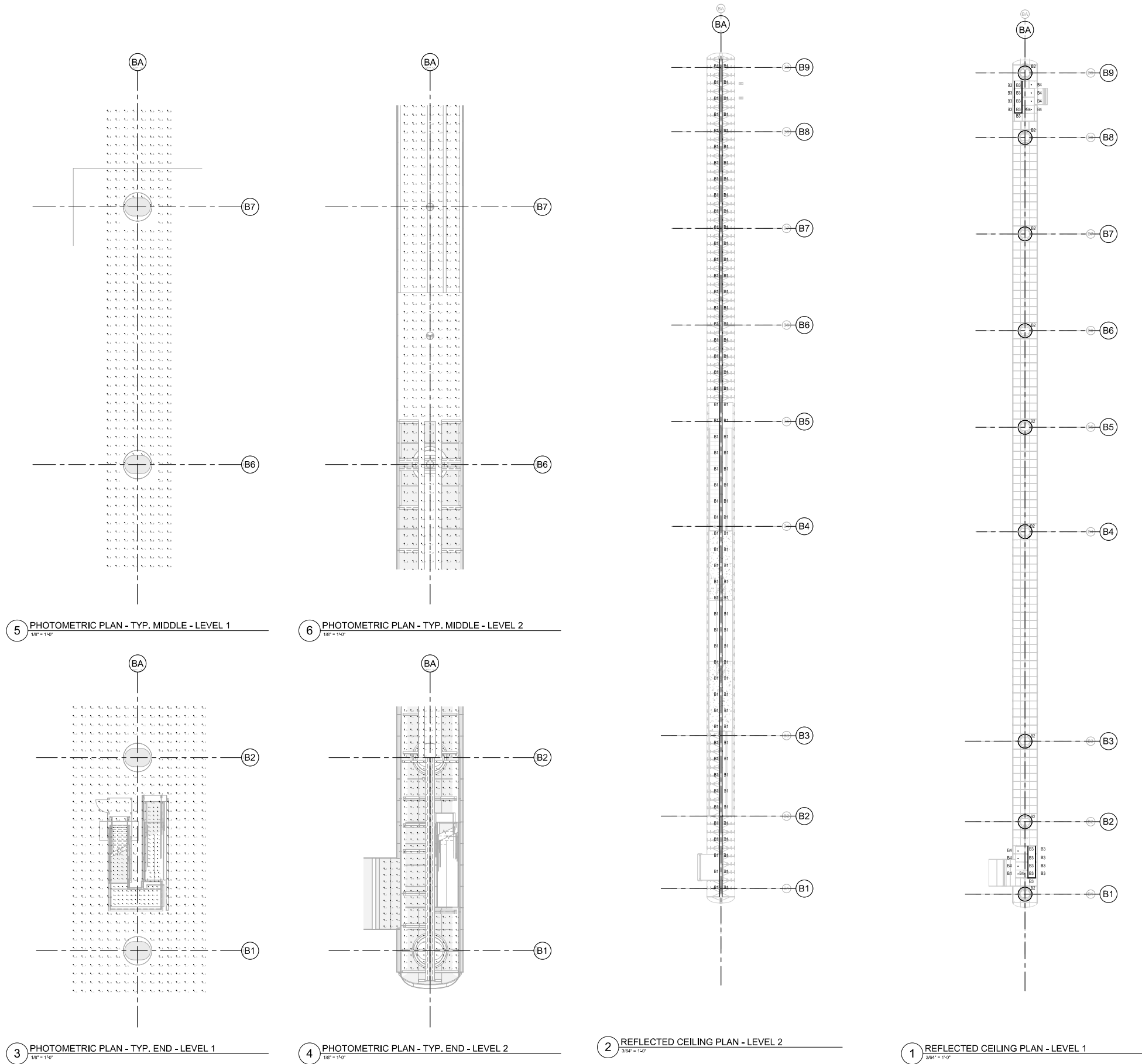
Project No.: 05.00003.00

Sheet No.:

**BRIDGE LIGHTING AND
PHOTOMETRIC PLANS**

Sheet Number:

LT8-001



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Project:
ISI BRIDGE
Connecting 945 & 950 Kifer
Sunnyvale, CA, 94086

Prepared For:
INTUITIVE SURGICAL, INC.
1020 Kifer Road Sunnyvale, CA



Hollmuth, Obata & Kassabaum, Inc.
One Bush Street, Suite 200
San Francisco, CA 94104 USA
t +1 415 243 0555 | +1 415 882 7763

Association with



Kier + Wright
Civil Engineer
2800 Collier Canyon Road
Livermore, CA 94551

Commissioned Engineer
1250 Carmel Parkway
Sunnyvale, CA 94086

Taylor Engineering
Mechanical, Plumbing, Fire Protection
150 Marina Bay Parkway, Suite 201
Alameda, CA 94501-1142

The Engineering Enterprise
Electrical
1305 Marina Village Parkway
Alameda, CA 94501

KSH Architects
Electrical
345 Sutter Street
San Francisco, CA 94108

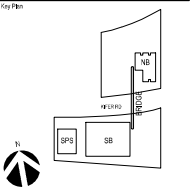


FIGURE 11 - FLOOR PLAN

SECTION 26 5100.16 - LIGHTING FIXTURE SCHEDULE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 01 Specification Section, apply to this Section.

1.2 SUMMARY

- A. Scope: The extent of lighting fixtures required is indicated on the drawings and schedules and by the requirements of this Section and Division 26 - Electrical.
- B. See the following pages for all lighting fixtures specified on the project by the HOK Lighting Group(HOKLG).
- C. Lighting is designed/specified by HOK Lighting Group(HOKLG)
- Primary contact: Geoff Wright (geoff.wright@hok.com)
- Secondary contact: Carol Castillo (carol.castillo@hok.com)
- D. This Lighting Fixture Schedule includes only lighting fixtures specified by HOKLG.

LFS (Lighting Fixture Schedule) for:
Intuitive Surgical HQ Bridge

1.3 REFERENCES

- A. Sections of DIVISION 1, GENERAL REQUIREMENTS and requirements of Section DIVISION 26 - ELECTRICAL govern work under this specification section.
- B. Reference the following specification sections for additional electrical requirements.
 1. Division 26 - EXTERIOR LIGHTING
 2. Division 26 - LIGHTING CONTROLS
 3. Division 26 - DIMMING CONTROLS
 4. Division 26 - NETWORK LIGHTING CONTROLS

PART 2 - PRODUCT

- A. Refer to this entire specification section 260650.16 including
- B. Ceiling Coordination...
 1. Contractor to coordinate luminaire mounting options and ceiling compatibility
 2. Flange (ACT/Op/Metal/Wood): Overlap flange trim required
 3. Downlight and Wall Wash Reflector/Flange: Clear Matte alzak with matching overlapping flange
 4. Provide unistrut metal channel assembly as required to avoid any conflict with other ceiling element (duct, structure, pipe, etc) to install lighting fixture at the intended location as shown on RCP and lighting plan.

PART 3 - EXECUTION

- A. Refer to 265600 EXTERIOR LIGHTING

LIGHTING REQUIREMENTS - APPLY TO ALL LIGHTING FIXTURE TYPES

A	LAMPING - UNLESS NOTED OTHERWISE, ALL EXTERIOR LIGHT SOURCES SHALL BE 3000K LED, 80-CRI OR BETTER. VIEW LED PANELS SHALL BE 3000K LED, 80-CRI.
B	COLOR CONSISTENCY - JUSTEP MAGADAM ELLIPS REQUIRED.
C	LED LIFE - COMPLY WITH LEAD- AND STEAR-FREE POLYIMIDES.
D	WARRANTY - LIGHT FIXTURES REQUIRE TWO-YEAR WARRANTY, LIFETIME WARRANTY FOR WARRANTY. FINISHES SHALL BE AS SPECIFIED IN THE DRAWINGS AND SHALL BE MAINTAINED THROUGHOUT THE LIFETIME OF THE FIXTURES.
E	SECURITY - PROTECTION OF LIGHT FIXTURES SHALL COMPLY WITH SECURITY SPECIFICATION SECTIONS AND LOCAL BUILDING CODES.
F	EMERGENCY - CERTAIN FIXTURE TYPES MAY REQUIRE SPECIAL EMERGENCY LIGHTING CHARACTERISTICS. PROTECT ELECTRICAL SPECIFICATIONS TO BE KEPT AT ALL TIMES. CONTRACTOR TO COORDINATE WITH ELECTRICAL ENGINEER FOR SPECIFICATIONS OF EMERGENCY COMPONENTS INCLUDING LIGHT FIXTURES AND LIGHTING CONTROLS.
G	WARRANTY - MULTIPLE MANUFACTURERS MAY BE NAMED FOR EACH LIGHTING FIXTURE TYPE. 1. BIDDING - EQUALS: IF A CATALOG NUMBER OR DETAILED NAME OF FIRST MANUFACTURER (BID) MANUFACTURER'S NAMES FOLLOWING ARE CONSIDERED EQUALS. EQUALS QUALITY SHALL PROVIDE A PRODUCT EQUAL OR SUPERIOR TO THE BEST MANUFACTURER'S PRODUCT. IF PERFORMANCE, FINISHES, OR WARRANTY ARE NOT SPECIFIED, CONTRACTOR TO SUBMIT LITERATURE FOR REVIEW. 2. ONE NAME - WHEN ONLY ONE MANUFACTURER'S NAME IS LISTED ON THE LIGHTING FIXTURE SCHEDULE, PRODUCTS DESIGN ENGINEERING, PHOTOGRAPHIC AND MECHANICAL INFORMATION, AND INSTRUCTIONS AND THE BEST AVAILABLE INFORMATION WILL NOT ALLOW AN EQUALS BY ANOTHER MANUFACTURER'S PRODUCT. 3. DISTRIBUTION COST - THE CONTRACTOR SHALL SELECT FROM ONE NAME MANUFACTURER ON RECORD WITH HOKLG FROM PRODUCTS SUPPORTING LIGHTING SALES AGENCY. HOKLG WILL NOT "QUOTE" THIS PRICE DURING BIDDING.
H	FINISHES OF WALL COMPATIBLE - CONTRACTOR TO VERIFY COORDINATE COMPATIBILITY OF LIGHT FIXTURES WITH CEILING OR WALL MATERIAL. UPD THE ADJACENT FINISHES. ADJACENT CONSTRUCTION AND MATERIALS PRIOR TO SHOP DRAWINGS SUBMITTAL AND NOTIFY THE ARCHITECT OF ANY CONFLICTS WITH THE PROPOSED INSTALLATION. CHANGES SHALL BE AS SPECIFIED AS SHOWN AND AS PURCHASED AND/OR AS INSTALLED (during operation).
I	TRIM FINISH - CONTRACTOR TO COORDINATE ALL LIGHT FIXTURE TRIMS AND TRIM FINISHES WITH AS SPECIFIED. AS REQUIRED, AS PURCHASED AND/OR AS INSTALLED (during operation). MULTIPLE LIGHT FIXTURE TRIM COLORS AND TYPES MAY BE NEEDED FOR EACH LIGHTING FIXTURE TYPE, DEPENDING ON LOCATION/ZONE TYPE. RTR REQUIRED IF UNCLARIFIED.
J	LED COMPONENTS - CONTRACTOR RESPONSIBLE FOR ALL MISCELLANEOUS LOW VOLTAGE AND LINE VOLTAGE LIGHTING CONNECTORS, ACCESSORIES, AND HARDWARE TO SUPPORT AND POWER LED SYSTEMS AS THE PRODUCTS' APPLICATIONS AND AS RECOMMENDED BY THE MANUFACTURER. SEE ARCHITECTURAL RCPs FOR LENGTHS, LAYOUTS AND DETAILS.
K	LIGHTING CONTROL ZONING - SEPARATE DIMMING CONTROL ZONE SHALL BE PROVIDED PER DIFFERENT FIXTURE TYPE IN EACH SPACE, REFER TO EACH FIXTURE TYPE FOR ADDITIONAL CONTROL ZONING REQUIREMENTS.
L	REMOTE LED DRIVER - THE CONTRACTOR SHALL COORDINATE REMOTE DRIVER LOCATIONS AT DRY, CONCRETE, AND ACCESSIBLE SPACES WITH MEKA (INCLUDE AS APPLICABLE COORDINATE) TO MAT VOLS (LED) NO GREATER THAN 20V.
M	LED SYSTEM SUBMITTAL DRAWINGS - PROVIDE FACTORY SHOP DRAWINGS (LUMINAIR) FOR ALL LED SYSTEM COMPONENTS AND ACCESSORIES PROVIDED TO DELIVER THE COMPLETE SPECIFIED LED SYSTEM. DRAWINGS SHALL CLARIFY ALL LIGHTING MANUFACTURER'S, LED CONTRACTOR PROVIDED COMPONENTS, AND CONTRACT DOCUMENTS FOR REQUIRED SUPPLY, DIMMING AND CONTROL SYSTEMS. UNLESS SPECIFIED, CONTRACTOR TO PROVIDE REMOTE LED DRIVER INFORMATION TO DELIVER COMPLETE SYSTEM. LED SYSTEM SUBMITTAL DRAWINGS ARE REQUIRED AT TIME OF LIGHT FIXTURE SHOP DRAWINGS SUBMITTAL. REVISIONS TO DRAWINGS SHALL BE PROVIDED TO ALL PROJECT PARTICIPANTS AND CONTRACTOR SHALL PROVIDE THE COMPLETE LED SYSTEM SUBMITTAL DRAWINGS FOR EACH CONTINUOUS RUN DOCUMENTING DRIVER LOCATION CONFIGURATION FOR FUTURE SERVICING.
N	LIGHTING CONTROLS - LED DRIVER COMPATIBILITY SUBMITTAL - CONTRACTOR TO COORDINATE THE LIGHTING CONTROL VENDOR REVIEW AND APPROVE ALL DRAWINGS AND CONTROLS FOR ALL LIGHTING FIXTURES. THE LIGHTING MANUFACTURER'S, LED CONTRACTOR PROVIDED COMPONENTS, AND CONTRACT DOCUMENTS FOR REQUIRED SUPPLY, DIMMING AND CONTROL SYSTEMS. UNLESS SPECIFIED, CONTRACTOR TO PROVIDE REMOTE LED DRIVER INFORMATION TO DELIVER COMPLETE SYSTEM. LED SYSTEM SUBMITTAL DRAWINGS ARE REQUIRED AT TIME OF LIGHT FIXTURE SHOP DRAWINGS SUBMITTAL. REVISIONS TO DRAWINGS SHALL BE PROVIDED TO ALL PROJECT PARTICIPANTS AND CONTRACTOR SHALL PROVIDE THE COMPLETE LED SYSTEM SUBMITTAL DRAWINGS FOR EACH CONTINUOUS RUN DOCUMENTING DRIVER LOCATION CONFIGURATION FOR FUTURE SERVICING.
O	INSTALLATION - REFER TO ARCHITECTURAL DOCUMENTS FOR EXACT MOUNTING LOCATIONS, DETAILS, AND CONFIGURATIONS OF ALL LIGHTING FIXTURES. IF DRAWINGS SPECIFY NOT TO INSTALL, CONTRACTOR SHALL CLARIFY ALL LIGHTING MANUFACTURER'S, LED CONTRACTOR PROVIDED COMPONENTS, AND CONTRACT DOCUMENTS FOR REQUIRED SUPPLY, DIMMING AND CONTROL SYSTEMS. UNLESS SPECIFIED, CONTRACTOR TO PROVIDE REMOTE LED DRIVER INFORMATION TO DELIVER COMPLETE SYSTEM. LED SYSTEM SUBMITTAL DRAWINGS ARE REQUIRED AT TIME OF LIGHT FIXTURE SHOP DRAWINGS SUBMITTAL. REVISIONS TO DRAWINGS SHALL BE PROVIDED TO ALL PROJECT PARTICIPANTS AND CONTRACTOR SHALL PROVIDE THE COMPLETE LED SYSTEM SUBMITTAL DRAWINGS FOR EACH CONTINUOUS RUN DOCUMENTING DRIVER LOCATION CONFIGURATION FOR FUTURE SERVICING.
P	THROUGHTHO HOLES - NECESSARY LIGHT FIXTURES MUST BE INSTALLED TO THAT THE BOTTOM OF THE THROUGHTHOLES IS EVEN WITH THE FINISHED CEILING AND NEAR LEVELING OF FINISHES. THROUGHTHOLES SHALL BE PLACED BY THE FINISHED CEILING PLANE. THE FINISHES OF THE THROUGHTHOLES SHALL BE AS SPECIFIED. CONTRACTOR TO PROVIDE THE COMPLETE LED SYSTEM SUBMITTAL DRAWINGS FOR EACH CONTINUOUS RUN DOCUMENTING DRIVER LOCATION CONFIGURATION FOR FUTURE SERVICING. ALL MISCELLANEOUS HARDWARE AND CEILING MODIFICATIONS NECESSARY ABOVE THE CEILING PLANE TO ACCOMPLISH THE ABOVE SHALL BE INCLUDED IN THE BIDDING.
Q	WALL PERIMETER CONTINUOUS LEANER FIXTURES - FIXTURES SHALL BE RATED AS SPECIFIED ON FIELD VIEWED DIMENSIONAL SUBMITTAL SHOP DRAWINGS FOR EACH LOCATION FOR REVIEW. COORDINATE WALL AT THE FIXTURE LOCATION SHALL RECEIVE LEVELS, & BIM COORDINATES. THE SECTION SECTION REQUIRED FOR BIDDING SHALL BE SUBMITTED.
R	MINIMUM ADJUSTABLE INTERIOR EXTERIOR LIGHT FIXTURES SHALL BE TARGETED AND ADJUSTED BY CONTRACTOR UNDER THE OBSERVATION AND IN COMPLIANCE WITH RECOMMENDATIONS OF HOKLG. ALL LABOR AND MATERIAL COSTS MADE NECESSARY BY THIS REQUIREMENT SHALL BE INCLUDED AS PART OF THE CONTRACTOR'S BIDDING. CONTRACTOR SHALL PROVIDE CONTRACTOR WITH WRITTEN DRAWINGS AND NOT BE AVAILABLE DURING BIDDING. HOKLG MAY SELECT A LIGHTING ADVOCATE TO OVERSEE DRIVER HIRING.

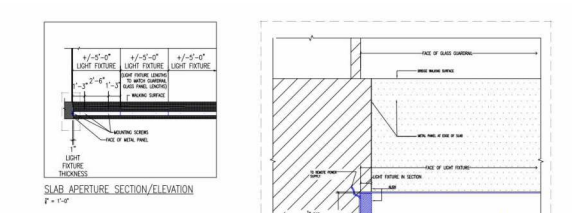
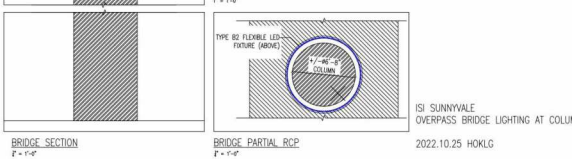
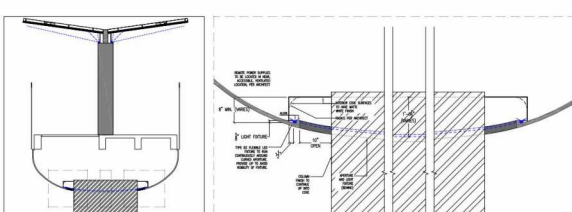
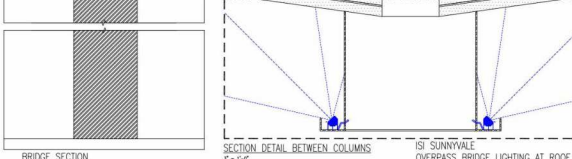
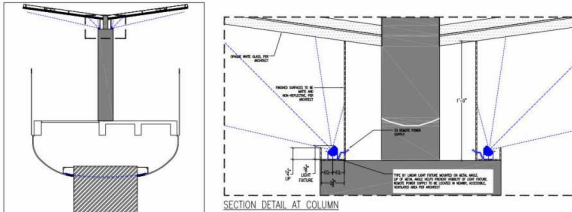


FIGURE 12 - SUNNYVALE OVERPASS BRIDGE LIGHTING AT SLAB APERTURE

EXTERIOR LIGHTING FIXTURE SCHEDULE

LUMINAIRE TYPE	DESCRIPTION	MOUNTING NOTES	MANUFACTURER/ CATALOG NUMBER	WATTAGE		VOLTAGE
				PER UNIT	PER LF	
B1	SURFACE MOUNTED, LINEAR, WET LOCATION, LED UP LIGHT 1.8W/FT, NOMINAL, 130 DELIVERED LUMENS/FT, 130 DEGREE BEAM ANGLE, LINEAR LED FIXTURE WITH ADJUSTABLE HEAD, OPUSSE, MILKY WHITE LENS, AND DIMMABLE REMOTE POWER SUPPLY. RATING: IP67 WET LOCATION EXTERIOR RATED CONTROL: 0-10V DIMMING LOCATION: BRIDGE ROOF CANOPY	PROVIDE WITH HOUSING FIXED AT 45 DEGREE TO LIGHT FIXTURE BE TO BE MOUNTED ON STRUCTURAL MEMBER OF PRECAST/FORM BRIDGE. ANGLED UP TO LIGHT OPPOSITE CLASS LENGTHS PER RCP. BRIDGE SHOP DRAWINGS AND LIGHTING MOUNTING DETAIL.	LED LINEAR 1000 LUMENS PER FOOT HIGH EFFICIENCY HD IP67 (IP67-REMOVAL-LENGTH-PROFILE-COLORS-AAP-MOUNTING-ACCESSORIES AS REQUIRED PER CONTRACTOR) (277V REMOTE POWER SUPPLY PER EE)	-	1.8	277
B2	SURFACE MOUNTED, FLEXIBLE LINEAR, WET LOCATION, LED 5/8" SHIP LIGHT 2W/FT, NOMINAL, 180 DELIVERED LUMENS/FT, 130 DEGREE BEAM ANGLE, LINEAR LED FIXTURE WITH FLEXIBLE HOUSING CAPABLE OF VERTICAL AND HORIZONTAL BENDING, OFFICE OPAL, ENCLOSURE, AND DIMMABLE REMOTE POWER SUPPLY. RATING: IP67 WET LOCATION EXTERIOR RATED CONTROL: 0-10V DIMMING LOCATION: BRIDGE SUPPORT COLUMNS	LIGHT FIXTURE IS TO BE MOUNTED AT CONCOURSE LEVEL OF CEILING. DETAIL AT TOP OF COLUMNS LENGTHS PER RCP. BRIDGE SHOP DRAWINGS AND LIGHTING MOUNTING DETAIL.	LED LINEAR VENUS TC 30 IP67 30-WATT-LENGTH-IP67-(MOUNTING ACCESSORIES AS REQUIRED) (277V REMOTE POWER SUPPLY PER EE)	-	3	120
B3	SURFACE MOUNTED, LED LIGHT PANEL, MODIFIED FOR WET LOCATION, 2.4 W/FT, 4" DEEP, AND NOMINAL, CUSTOM SIZE, 8" TALL x 24" LONG, 180 DELIVERED LUMENS/FT, 130 DEGREE BEAM ANGLE, ADJUSTABLE REMOTE DRIVER, ISOLATED FROM WALL PANELS. 80 DEGREE LT CORNERS COORDINATED WITH METAL PANEL SHOP DRAWINGS. LENGTHS TO BE COORDINATED WITH METAL PANEL SHOP DRAWINGS. NOMINAL 120 DELIVERED LUMENS/FT (TO BE VERIFIED), 130 DEGREE BEAM ANGLE, FRAMES EMPLOY ACETYLENE PANEL, INTEGRATED INTO WALL DETAIL, WITH DIMMABLE REMOTE POWER SUPPLY. RATING: IP67 WET LOCATION EXTERIOR RATED CONTROL: 0-10V DIMMING...	LIGHT FIXTURE IS TO BE SURFACE MOUNTED TO THE WALL. CUSTOMER SHALL PROVIDE WALL PANELS. 80 DEGREE LT CORNERS COORDINATED WITH METAL PANEL SHOP DRAWINGS. LENGTHS TO BE COORDINATED WITH METAL PANEL SHOP DRAWINGS. NOMINAL 120 DELIVERED LUMENS/FT (TO BE VERIFIED), 130 DEGREE BEAM ANGLE, FRAMES EMPLOY ACETYLENE PANEL, INTEGRATED INTO WALL DETAIL, WITH DIMMABLE REMOTE POWER SUPPLY. RATING: IP67 WET LOCATION EXTERIOR RATED CONTROL: 0-10V DIMMING...	CHERRY DIMMABLE WET RATED IP24 NOMINAL, 8" TALL x 24" LONG LENGTHS TO BE COORDINATED WITH WALL PANELS AND ISOLATED GUARDRAIL SHOP DRAWINGS. COORDINATE WITH METAL PANEL SHOP DRAWINGS. LENGTHS TO BE COORDINATED WITH METAL PANEL SHOP DRAWINGS. NOMINAL 120 DELIVERED LUMENS/FT (TO BE VERIFIED), 130 DEGREE BEAM ANGLE, FRAMES EMPLOY ACETYLENE PANEL, INTEGRATED INTO WALL DETAIL, WITH DIMMABLE REMOTE POWER SUPPLY. RATING: IP67 WET LOCATION EXTERIOR RATED CONTROL: 0-10V DIMMING...	-	2.4	277
B4	RECESSED, ADJUSTABLE AIN, WET LOCATION, LED DOWNLIGHT 15 W, 4 1/8" DIAMETER OVERLAP TRIM, NOMINAL 900 DELIVERED LUMENS/FT, 90 DEGREE BEAM ANGLE, ADJUSTABLE DOWNLIGHT, WITH DIMMABLE REMOTE POWER SUPPLY. RATING: WET LOCATION LISTED, EXTERIOR RATED CONTROL: ELV DIMMING LOCATION: UNDERSEDE OF BRIDGE	CEILING THICKNESS AND COMPATIBILITY TO BE VERIFIED.	CSL GYROSHIFT GSD-1, GSD-2, GSD-3 (277V REMOTE POWER SUPPLY PER EE)	10	-	277

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No.	Description	Date
1	REVISED SPECIFICATION	10/20/2022
2	REVISED SPECIFICATION	11/20/2022
3	REVISED SPECIFICATION	12/20/2022
4	REVISED SPECIFICATION	02/20/2023

Project No: 05.00003.30
Sheet No: _____

BRIDGE LIGHTING FIXTURE SCHEDULE AND CUTSHEETS

CURB - LINE & CURVE

LINE #	DIRECTION	LENGTH
L1	N74°57'40"W	354.82'
L4	S74°57'40"E	57.97'
L5	N74°57'40"W	208.56'
L6	S74°57'40"E	118.56'
L7	S84°29'18"E	30.41'
L8	S87°46'10"E	30.69'
L9	S10°08'33"W	1.72'
L10	S25°40'21"W	2.70'
L11	S55°01'18"W	1.03'
L12	S15°09'23"W	1.51'
L13	N74°50'37"W	1.89'
L14	N15°08'40"E	5.00'
L15	S74°50'37"E	2.39'
L32	N74°37'01"W	9.66'

CURVE #	RADIUS	DELTA	LENGTH
C1	35.00'	85°33'00"	52.26'
C2	35.00'	94°27'00"	57.70'
C3	3036.00'	5°49'25"	308.58'
C5	6.00'	180°00'00"	18.85'
C6	181.25'	9°31'38"	30.14'
C7	178.82'	9°39'29"	30.14'
C8	1.00'	180°00'00"	3.14'
C9	1.00'	180°00'00"	3.14'
C10	166.47'	10°08'30"	29.47'
C11	196.18'	8°52'20"	30.38'
C12	2996.00'	1°31'25"	79.67'
C13	3008.00'	3°14'21"	170.05'
C17	29.54'	98°00'59"	50.54'
C18	29.00'	85°00'59"	43.03'
C19	22.50'	46°04'41"	18.09'
C20	20.50'	24°44'24"	8.85'
C21	1.50'	90°52'16"	2.38'
C22	24.00'	25°51'14"	10.83'

BUS STOP PAD - LINE & CURVE

LINE #	DIRECTION	LENGTH
L30	N14°28'03"E	10.00'
L31	N13°25'46"E	10.00'

CURVE #	RADIUS	DELTA	LENGTH
C67	3026.40'	1°02'16"	54.82'

PAVING LEGEND

- CONFORM LINE
- SAWCUT LINE
- ASPHALT PAVEMENT GRIND AND OVERLAY (2" MINIMUM)
- 24" WIDE AC DEEP LIFT (VARIES). PLACE IN 3" LIFTS (MAX.) TO A TOTAL MINIMUM DEPTH OF 6" OR EXISTING THICKNESS PLUS 1", WHICHEVER IS GREATER
- NEW SIDEWALK: CONTRACTOR SHALL HAND EXCAVATE UNDER THE OBSERVATION OF THE ARBORIST WITHIN CANOPY OF EXISTING TREE. HAND COMPACT NEW BASE ROCK SECTION AND INSTALL NEW SIDEWALK PER CITY STANDARDS.
- 6" CONCRETE ON 6" CL II AB PER CITY STANDARD DETAIL 6C-1.
- 4" PCC ON 4" CL II AB CONCRETE SIDEWALK PER CITY STANDARD DETAILS 9C AND 9C-1.
- T1 = 4.0, 2.5" AC ON 8" CLASS II AB
- T1 = 8.5, 5" AC ON 20" CLASS II AB
- TYPE II SLURRY SEAL, LIMITS PER PLAN OR AS DETERMINED BY INSPECTOR IN FIELD.
- LANDSCAPE

LAYOUT NOTES

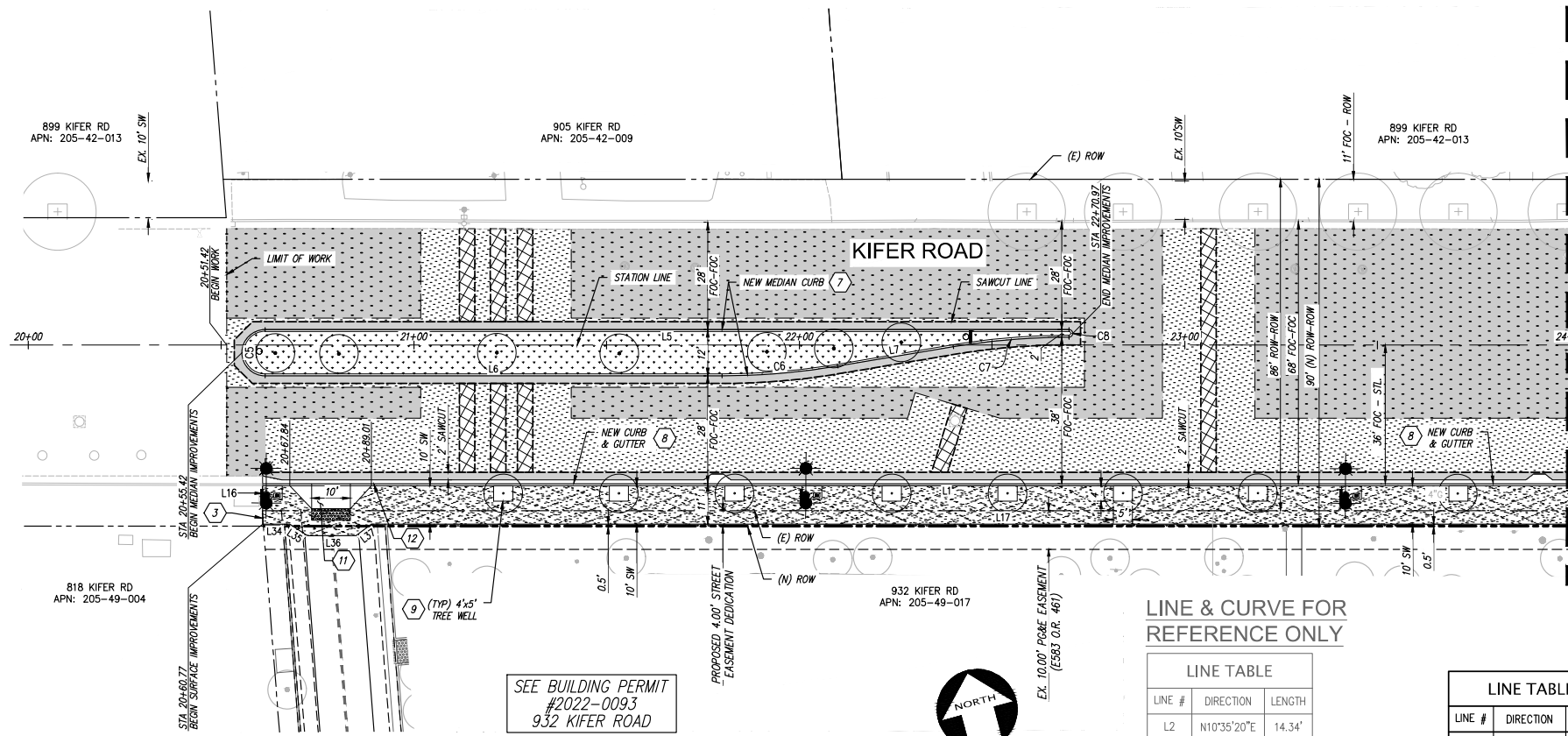
1. ALL CURB AND GUTTER SHALL BE TYPE II AND INSTALLED PER CITY STANDARD DETAIL 9C AND 15C.
2. ALL SIDEWALKS SHALL BE INSTALLED PER CITY STANDARD DETAIL 9C (ATTACHED NON-MONOLITHIC WALKS) AND 9C-1A & 9C-5A (DETACHED WALKS)
3. FOR UTILITY TRENCH SECTIONS AND RESTORATION OF EXISTING PAVEMENT REFER TO CITY STANDARD DETAILS 16A-1 THROUGH 16A-6.
4. CONTRACTOR IS RESPONSIBLE FOR PROCURING ALL OBSTRUCTION AND/OR TRAFFIC RELATED PERMITS ASSOCIATED WITH THE OFF-SITE IMPROVEMENTS.
5. REFER TO SHEET SS-1 BY HEXAGON TRANSPORTATION CONSULTANTS, INC. FOR SIGNING AND STRIPING WITHIN PUBLIC RIGHT-OF-WAY.
6. BEFORE COMMENCING CONSTRUCTION OF THE WORK SHOWN ON THIS SHEET, GENERAL CONTRACTOR TO VERIFY THAT THE DETAILS USED DURING CONSTRUCTION MATCH THE LATEST CITY OF SUNNYVALE STANDARDS AT THE TIME OF INSTALLATION OF THIS WORK.
LINK: <https://sunnyvale.ca.gov/civcar/ftebank/blobdload.aspx?blobid=23987>

KEYNOTES

1. INSTALL COMMERCIAL DRIVEWAY APPROACH PER CITY STANDARD DETAIL 6C-1
2. MONUMENT SHALL BE PROTECTED DURING CONSTRUCTION. MONUMENT BOX, LID, AND RIM SHALL BE ADJUSTED TO GRADE AS NECESSARY.
3. DOWEL PROPOSED SIDEWALK INTO EXISTING SIDEWALK USING CITY STANDARD DETAIL 9C-6
4. INSTALL PERPENDICULAR CURB RAMP PER CITY STANDARD DETAIL 13C-1
5. INSTALL VTA BUS STOP AND PASSENGER PAD WITH OUT SHELTER PER VTA STANDARD DETAIL NO. 3
6. MODIFIED 2' WIDE VALLEY GUTTER AT ENTRANCE SEE CITY STANDARD DETAIL 16C
7. INSTALL 8" MEDIAN TYPE 1-8 VERTICAL CURB PER CITY STANDARD DETAIL 15C
8. INSTALL TYPE II CURB & GUTTER PER CITY STANDARD DETAIL 15C-1 (1" GUTTER PAN)
9. 4x5' TREE WELL PER CITY STANDARD DETAIL 9C-2 (1" GUTTER PAN)
10. INSTALL TYPE II CURB & GUTTER PER CITY STANDARD DETAIL 15C (2" GUTTER PAN)
11. INSTALL 10' WIDE BIKE RAMP PER CITY STANDARDS.
12. INSTALL MOUNTABLE CURB PER CITY STANDARD DETAIL 15C-3 FROM THE END OF BIKE RAMP UNTIL END OF EVA ACCESS.
13. INSTALL GATEWAY SIGN PER SUNNYVALE LAWRENCE STATION SENSE OF PLACE GUIDELINES. SEE SHEET L7.02 FOR DETAILS.
14. INSTALL CALTRANS CASE "C" CURB RAMP PER CALTRANS STANDARD PLAN ABBA.
15. INSTALL CALTRANS CASE "C" MOD CURB RAMP PER CALTRANS STANDARD PLAN ABBA.
16. INSTALL 6" CURB PER CITY STANDARD DETAIL 15C.
17. INSTALL VTA BUS PAD PER VTA STANDARD DETAIL NO. 10.

CONSTRUCTION STAKING NOTE:

FOR ALL STAKING SCHEDULING AND REQUEST FOR PROPOSALS PLEASE CONTACT:
CHUY MARTINEZ
(408) 727-6665 EXT. 1035
cmartinez@kierwright.com



LINE & CURVE FOR REFERENCE ONLY

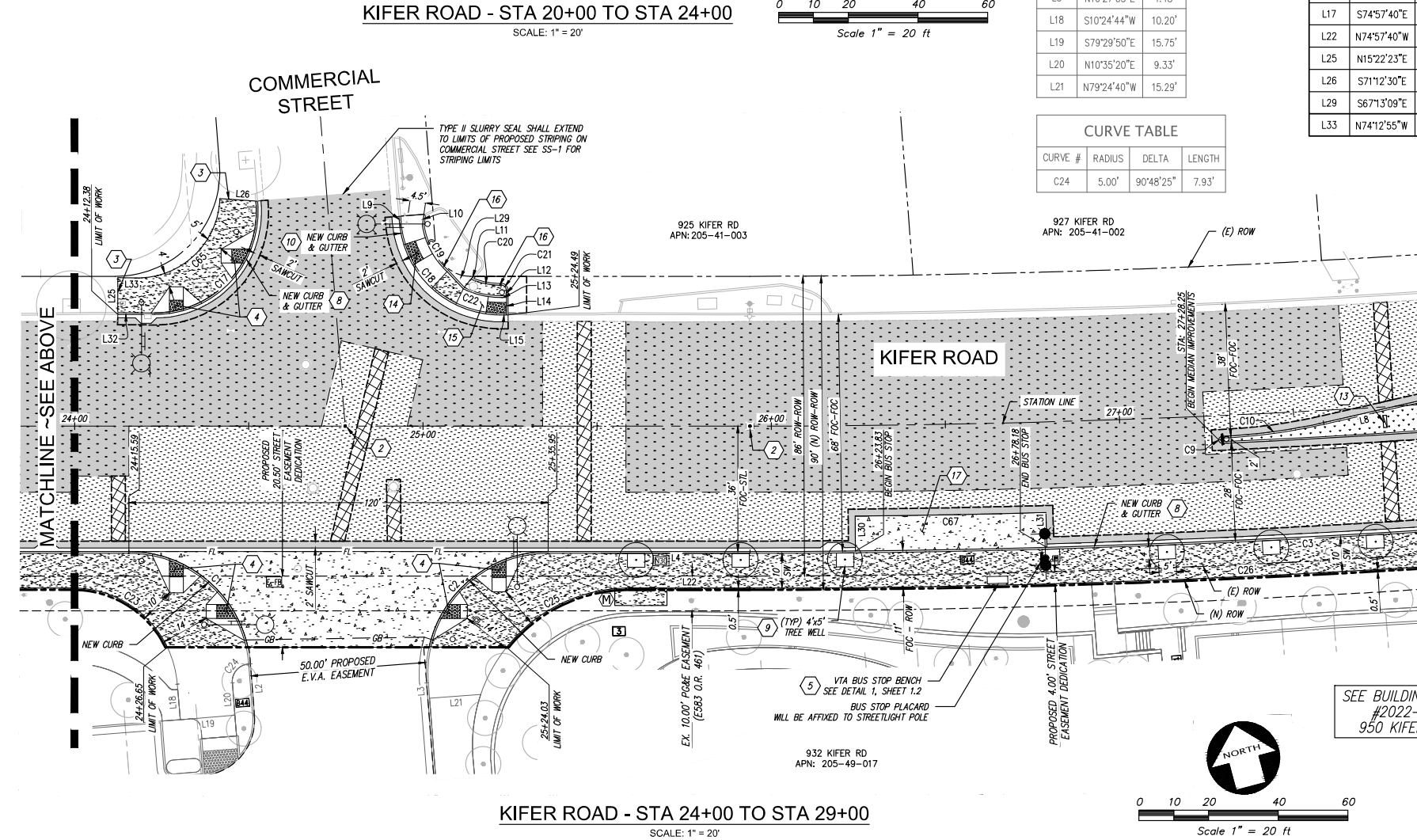
LINE #	DIRECTION	LENGTH
L2	N10°35'20"E	14.34'
L3	N10°27'03"E	4.48'
L8	S10°24'44"W	10.20'
L19	S79°29'50"E	15.75'
L20	N10°35'20"E	9.33'
L21	N79°24'40"W	15.29'

CURVE #	RADIUS	DELTA	LENGTH
C24	5.00'	90°48'25"	7.93'

LINE #	DIRECTION	LENGTH
L16	S15°02'20"W	10.00'
L17	S74°57'40"E	310.60'
L22	N74°57'40"W	34.66'
L25	N15°22'23"E	10.53'
L26	S71°12'30"E	10.72'
L29	S67°13'09"E	5.19'
L33	N74°12'55"W	5.45'

LINE #	DIRECTION	LENGTH
L34	N74°57'40"W	7.07'
L35	N41°40'28"W	5.47'
L36	N74°57'40"W	12.60'
L37	S68°10'08"W	5.00'

CURVE #	RADIUS	DELTA	LENGTH
C23	30.00'	85°22'24"	44.70'
C24	5.00'	90°48'25"	7.93'
C25	45.00'	71°11'22"	55.91'
C26	3046.50'	5°35'03"	296.92'
C27	10.00'	41°32'03"	7.25'
C28	10.00'	41°7'07"	7.21'
C65	23.50'	88°55'08"	36.46'

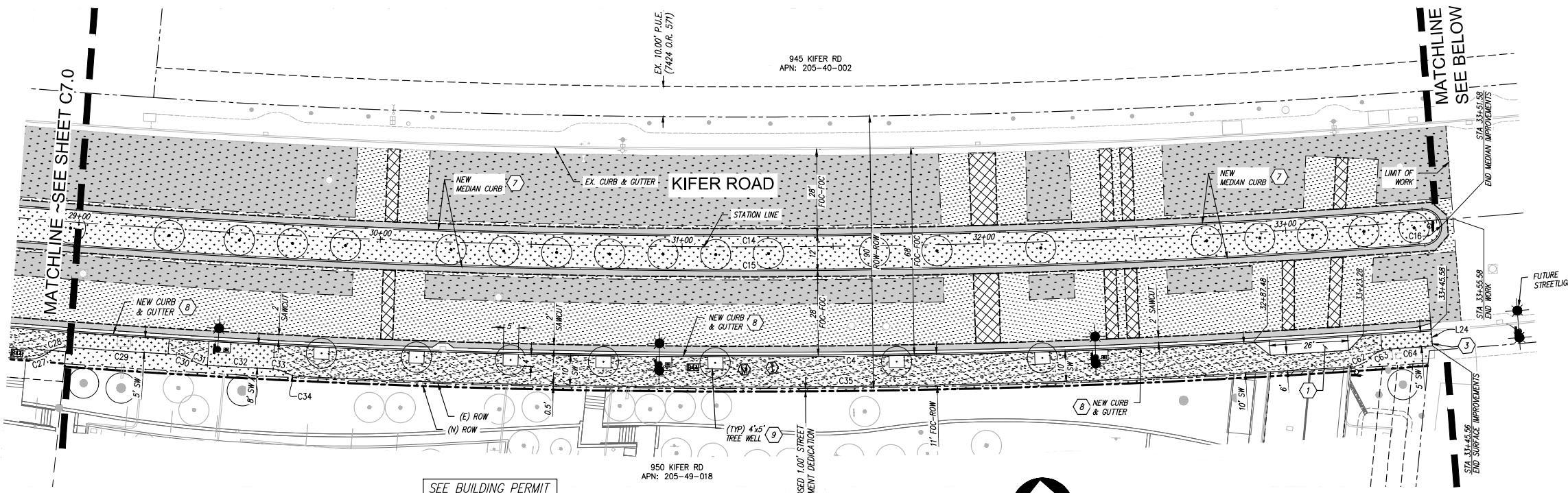


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KIER+WRIGHT
REGISTERED PROFESSIONAL ENGINEER
73804
CIVIL
STATE OF CALIFORNIA

INTUITIVE SURGICAL - 932-950 KIFER
PUBLIC STREET PLANS FOR THE IMPROVEMENT OF
KIFER ROAD
SUNNYVALE CALIFORNIA

LAYOUT PLAN
DATE 11-22-2022
SCALE AS SHOWN
DESIGNER MK
DRAFTER STAFF
JOB A18106-3
SHEET 7.0
16 OF 69 SHEETS



KIFER ROAD - STA 29+00 TO STA 33+70
SCALE: 1" = 20'

PAVING LEGEND

- CONFORM LINE
- SAWCUT LINE
- [Pattern] ASPHALT PAVEMENT GRIND AND OVERLAY (2" MINIMUM)
- [Pattern] 24" WIDE AC DEEP LIFT (VARIES). PLACE IN 3" LIFTS (MAX.) TO A TOTAL MINIMUM DEPTH OF 6" OR EXISTING THICKNESS PLUS 1", WHICHEVER IS GREATER
- [Pattern] NEW SIDEWALK: CONTRACTOR SHALL HAND EXCAVATE UNDER THE OBSERVATION OF THE ARBORIST WITHIN CANOPY OF EXISTING TREE. HAND COMPACT NEW BASE ROCK SECTION AND INSTALL NEW SIDEWALK PER CITY STANDARDS.
- [Pattern] 6" CONCRETE ON 6" CL II AB PER CITY STANDARD DETAIL 6C-1.
- [Pattern] 4" PCC ON 4" CL II AB CONCRETE SIDEWALK PER CITY STANDARD DETAILS 9C AND 9C-1.
- [Pattern] TI = 4.0, 2.5" AC ON 8" CLASS II AB
- [Pattern] TI = 8.5, 5" AC ON 20" CLASS II AB
- [Pattern] TYPE II SLURRY SEAL, LIMITS PER PLAN OR AS DETERMINED BY INSPECTOR IN FIELD.
- [Pattern] LANDSCAPE

LAYOUT NOTES

1. ALL CURB AND GUTTER SHALL BE TYPE II AND INSTALLED PER CITY STANDARD DETAIL 9C AND 15C.
 2. ALL SIDEWALKS SHALL BE INSTALLED PER CITY STANDARD DETAIL 9C (ATTACHED NON-MONOLITHIC WALKS) AND 9C-1A & 9C-5A (DETACHED WALKS)
 3. FOR UTILITY TRENCH SECTIONS AND RESTORATION OF EXISTING PAVEMENT REFER TO CITY STANDARD DETAILS 16A-1 THROUGH 16A-6.
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 6. BEFORE COMMENCING CONSTRUCTION OF THE WORK SHOWN ON THIS SHEET, GENERAL CONTRACTOR TO VERIFY THAT THE DETAILS USED DURING CONSTRUCTION MATCH THE LATEST CITY OF SUNNYVALE STANDARDS AT THE TIME OF INSTALLATION OF THIS WORK.
- LINK: <https://sunnyvale.ca.gov/civicax/filebank/blobload.aspx?BlobID=23987>

CURB - LINE & CURVE

CURVE TABLE			
CURVE #	RADIUS	DELTA	LENGTH
C4	3036.00'	8°31'56"	452.10'
C14	2996.00'	8°31'56"	446.15'
C15	3008.00'	8°31'56"	447.93'
C16	6.00'	180°00'00"	18.85'

SIDEWALK - LINE & CURVE

CURVE TABLE			
CURVE #	RADIUS	DELTA	LENGTH
C29	3041.50'	0°40'43"	36.03'
C30	10.00'	31°41'21"	5.53'
C31	10.00'	31°53'16"	5.57'
C32	3044.50'	0°24'38"	21.81'
C33	10.00'	25°09'25"	4.39'
C34	10.00'	25°55'40"	4.53'
C35	3046.50'	6°33'19"	348.55'
C62	9.99'	41°33'26"	7.25'
C63	10.01'	41°15'19"	7.21'
C64	3035.42'	0°16'08"	14.24'

LINE TABLE		
LINE #	DIRECTION	LENGTH
L24	S0°55'03"W	5.00'

KEYNOTES

1. INSTALL COMMERCIAL DRIVEWAY APPROACH PER CITY STANDARD DETAIL 6C-1
2. MONUMENT SHALL BE PROTECTED DURING CONSTRUCTION. MONUMENT BOX, LID, AND RIM SHALL BE ADJUSTED TO GRADE AS NECESSARY
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13. INSTALL GATEWAY SIGN PER SUNNYVALE LAWRENCE STATION SENSE OF PLACE GUIDELINES. SEE SHEET L7.02 FOR DETAILS.
14. INSTALL CALTRANS CASE "C" CURB RAMP PER CALTRANS STANDARD PLAN A88A.
15. INSTALL CALTRANS CASE "C" MOD CURB RAMP PER CALTRANS STANDARD PLAN A88A.
16. INSTALL 6" CURB PER CITY STANDARD DETAIL 15C.
17. INSTALL VTA BUS PAD PER VTA STANDARD DETAIL NO. 10.

CONSTRUCTION STAKING NOTE:

FOR ALL STAKING SCHEDULING AND REQUEST FOR PROPOSALS PLEASE CONTACT:
CHUY MARTINEZ
(408)727-6665 EXT. 1035
smartinez@kierwright.com

REVISION

NO.	DATE	DESCRIPTION

MODIFICATION TO APPROVED SITE DEVELOPMENT PERMIT FOR 26

KIER+WRIGHT

REGISTERED PROFESSIONAL ENGINEER
ROBERT J. LEAHY
73804
CIVIL
STATE OF CALIFORNIA

3350 Scott Boulevard, Building 22
Santa Clara, California 95054
Phone: (408) 727-6665
www.kierwright.com



INTUITIVE SURGICAL - 932-950 KIFER
PUBLIC STREET PLANS FOR THE IMPROVEMENT OF
KIFER ROAD
SUNNYVALE
CALIFORNIA



LAYOUT PLAN

DATE 11-22-2022
SCALE AS SHOWN
DESIGNER MK
DRAFTER STAFF
JOB A18106-3
SHEET **7.1**
17 OF 69 SHEETS

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TREES	ABBR	BOTANICAL NAME	COMMON NAME	SIZE	WIDTH	HEIGHT	QTY	TYPE	SUN/SHADE	WUCOLS	NOTES
	PC	PINUS CANARIENSIS	CANARY ISLAND PINE	36" BOX	30" W	60" H	7	EVERGREEN	FULL SUN / PART SHADE	LOW	LOW BRANCHING, MATCHED
	QS	QUERCUS SHUMARDII	SHUMARD OAK	24" BOX	30" W	60" H	20	DECIDUOUS	FULL SUN / PART SHADE	MEDIUM	STANDARD, MATCHED
	LP	LAGUNARIA PATERSONIA	NORFOLK ISLAND HIBISCUS	36" BOX	20" W	30" H	25	EVERGREEN	FULL SUN / PART SHADE	LOW	LOW BRANCHING, MATCHED

SHRUBS	ABBR	BOTANICAL NAME	COMMON NAME	SIZE	WIDTH	HEIGHT	QTY	TYPE	SUN/SHADE	WUCOLS	NOTES
	CD	COTONEASTER DAMMERI "LOW FAST"	BEARBERRY COTONEASTER	1 GAL	10" W	1 - 2'	222	EVERGREEN	FULL SUN / PART SHADE	LOW	
	JC	JUNIPERUS HORIZONTALIS "MILTON"	BLUE RUG JUNIPER	5 GAL	5" W	6" - 2'	75	EVERGREEN	FULL SUN / PART SHADE	LOW	
	PA	PHORMIUM x 'AMAZING RED' FLAX	AMAZING RED NEW ZEALAND	5 GAL	2" W	1 - 2'	27	EVERGREEN	FULL SUN / PART SHADE	LOW	



DATE 11-22-2022
 SCALE 1" = 20'
 DESIGNER AL
 DRAFTER STAFF
 JOB A18106-3
 SHEET 33
 L6.00
 OF 69 SHEETS

PLANTING SCHEDULE

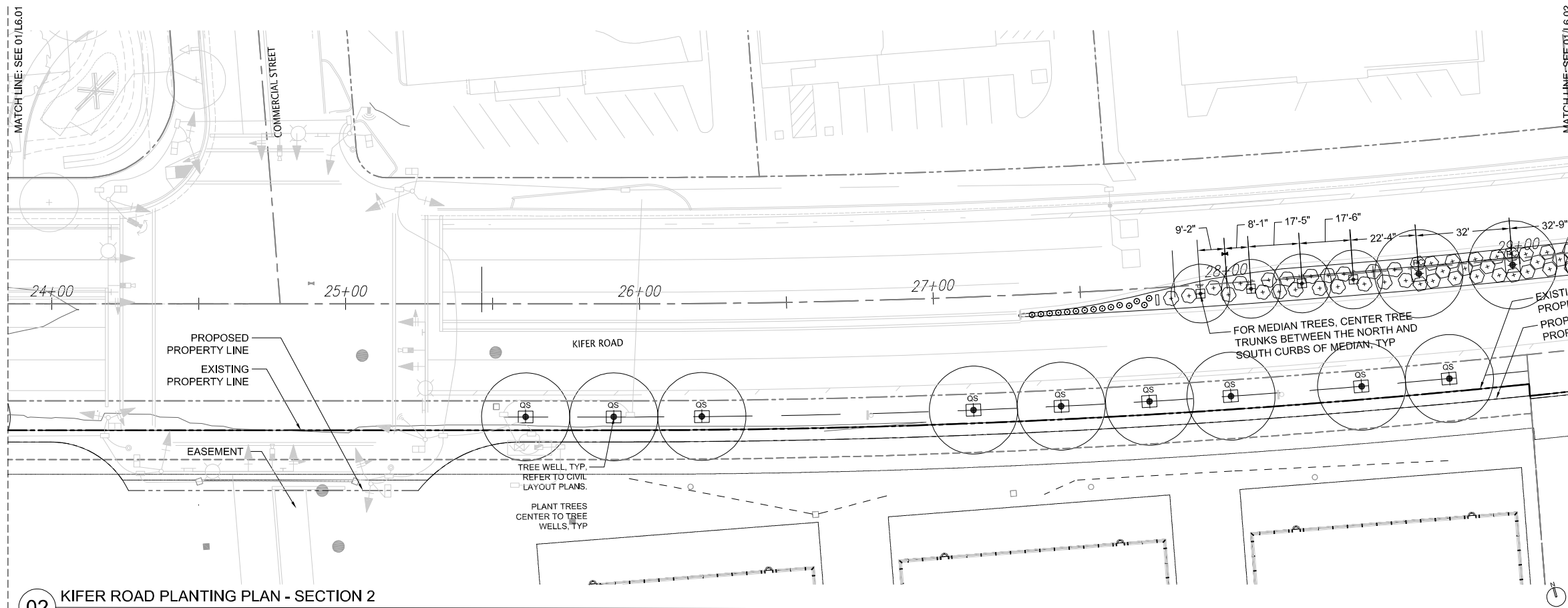
INTUITIVE SURGICAL - 932-950 KIFER
 PUBLIC STREET PLANS FOR THE IMPROVEMENT OF
 KIFER ROAD

SUNNYVALE CALIFORNIA

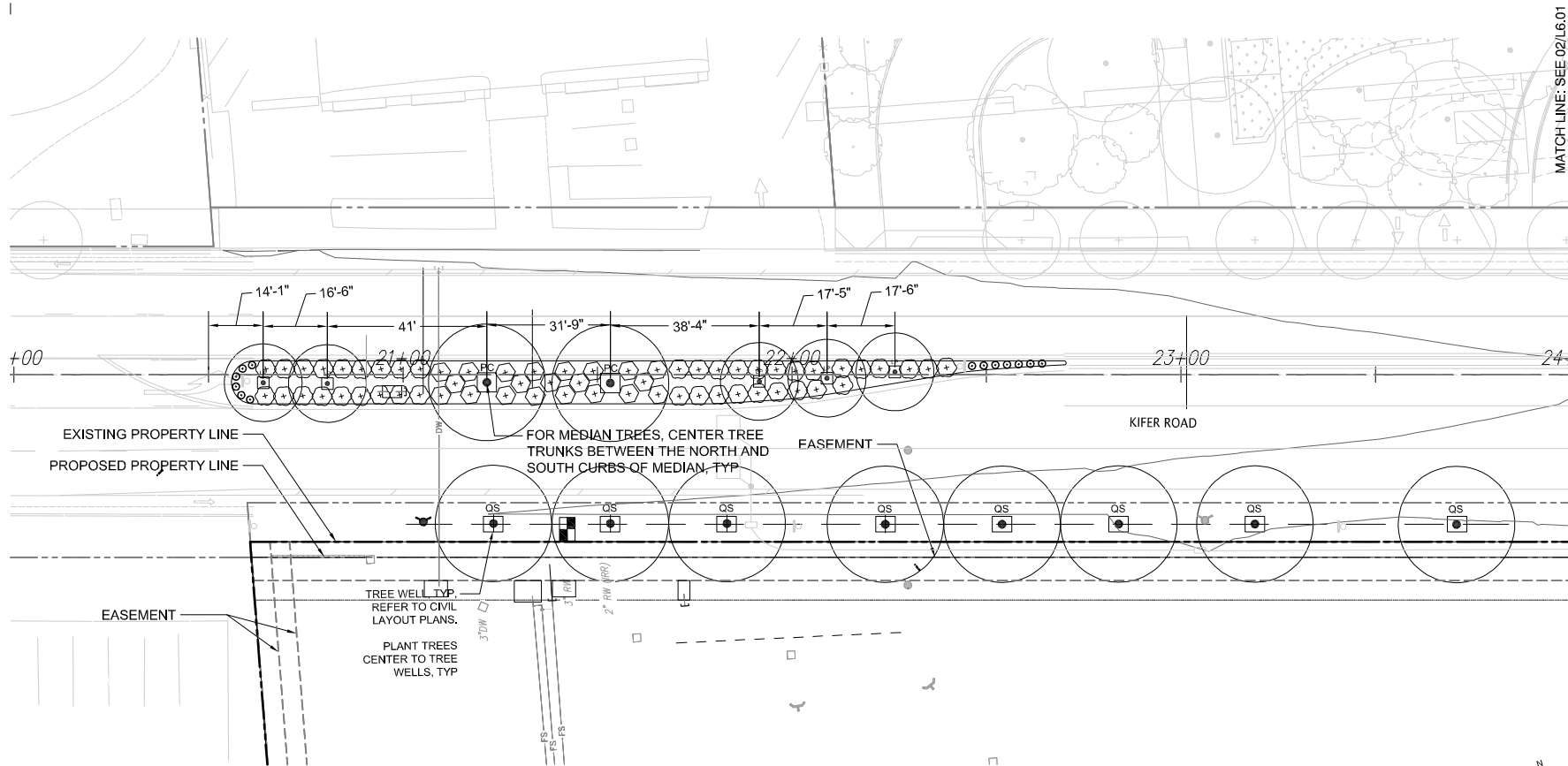
KIER+WRIGHT
 3300 Scott Boulevard, Building 22
 San Jose, California 95134
 Phone: (408) 727-6655
 www.kierwright.com

NO.	REVISION
1	MODIFICATION TO APPROVED SITE DEVELOPMENT PERMIT

NOTE: THE CITY ARBORIST MUST INSPECT ALL STREET TREES PRIOR TO INSTALLATION AS WELL AS INSPECT BOTH STREET INSTALLATION AS WELL AS A POST PLANTING INSPECTION.



02 KIFER ROAD PLANTING PLAN - SECTION 2
SCALE: 1"=20'



01 KIFER ROAD PLANTING PLAN - SECTION 1
SCALE: 1"=20'

TREES	ABBR	BOTANICAL NAME	COMMON NAME
PC	PC	Pinus canariensis	Canary Island Pine
QS	QS	Quercus shumardii	Shumard Oak
LP	LP	Lagunaria patersonia	Norfolk Island Hibiscus

SHRUBS	ABBR	BOTANICAL NAME	COMMON NAME
CD	CD	Cotoneaster dammeri 'Coral Beauty'	Coral Beauty Cotoneaster
JC	JC	Juniperus horizontalis	Creeping Juniper
PA	PA	Phormium x 'Amazing Red'	Amazing Red New Zealand Flax

NOTE:
City's Urban Landscape Manager may be required to be present in the field to oversee median planting. Prior to installation of the median irrigation or planting, contact the Parks Answer Point 408-730-7506 to coordinate potential field meetings

REVISION	DATE	DESCRIPTION
1		MODIFICATION TO APPROVED SITE DEVELOPMENT PERMIT

KIER-WRIGHT
3300 South Redwood, Building 22
San Jose, California 95128
Phone: (408) 272-6655
www.kierwright.com

INTUITIVE SURGICAL - 932-950 KIFER
PUBLIC STREET PLANS FOR THE IMPROVEMENT OF
KIFER ROAD
SUNNYVALE CALIFORNIA

DATE	11-22-2022
SCALE	1" = 20'
DESIGNER	AL
DRAFTER	STAFF
JOB	A18106-3
SHEET	34
OF	69
SHEETS	L6.01

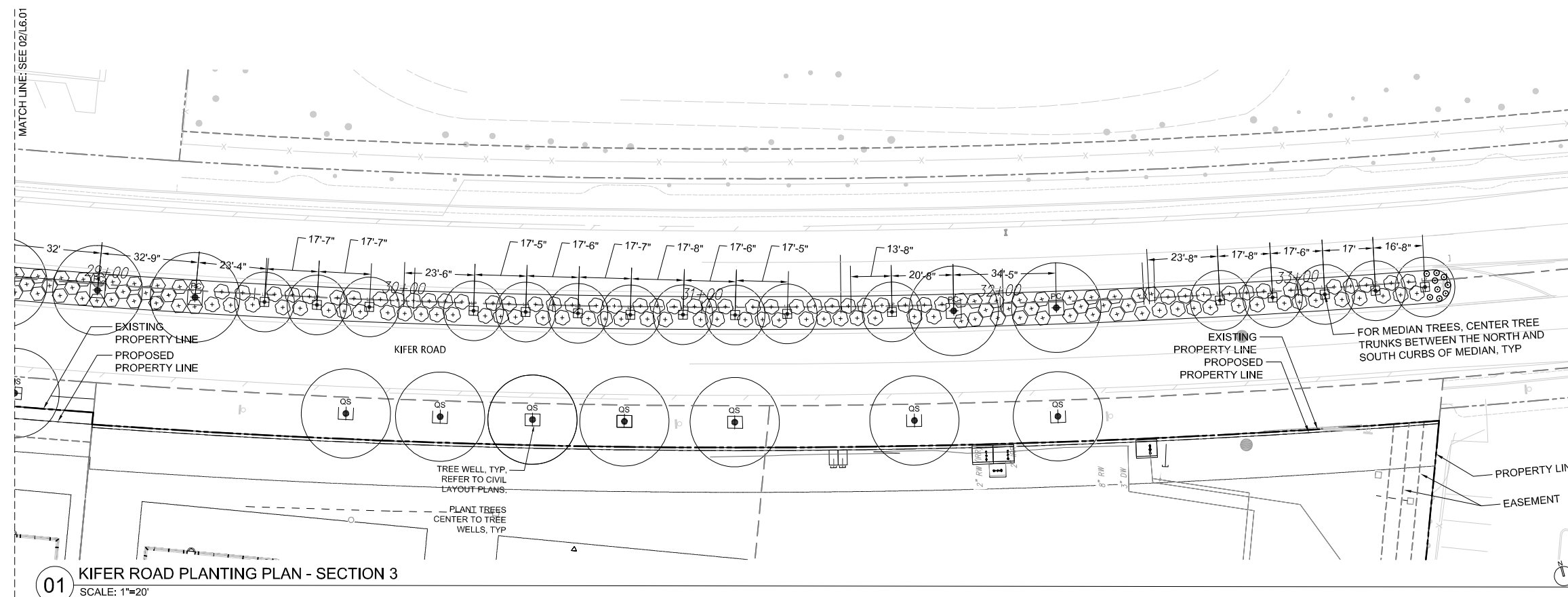


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NOTE: THE CITY ARBORIST MUST INSPECT ALL STREET TREES PRIOR TO INSTALLATION AS WELL AS INSPECT BOTH STREET INSTALLATION AS WELL AS A POST PLANTING INSPECTION.

TREES	ABBR	BOTANICAL NAME	COMMON NAME
	PC	Pinus canariensis	Canary Island Pine
	QS	Quercus shumardii	Shumard Oak
	LP	Lagunaria patersonia	Norfolk Island Hibiscus
SHRUBS	ABBR	BOTANICAL NAME	COMMON NAME
	CD	Cotoneaster dammeri "Coral Beauty"	Coral Beauty Cotoneaster
	JC	Juniperus horizontalis	Creeping Juniper
	PA	Phormium x "Amazing Red"	Amazing Red New Zealand Flax

NOTE:
City's Urban Landscape Manager may be required to be present in the field to oversee median planting. Prior to installation of the median irrigation or planting, contact the Parks Answer Point 408-730-7506 to coordinate potential field meetings



01 KIFER ROAD PLANTING PLAN - SECTION 3
SCALE: 1"=20'

REV.	DESCRIPTION
1	MODIFICATION TO APPROVED SITE DEVELOPMENT PERMIT

KIER+WRIGHT
3300 South Redwood, Building 22
San Jose, California 95128
Phone: (408) 272-6655
www.kierwright.com

INTUITIVE SURGICAL - 932-950 KIFER
PUBLIC STREET PLANS FOR THE IMPROVEMENT OF
KIFER ROAD
SUNNYVALE CALIFORNIA

PLANTING PLAN	
DATE	11-22-2022
SCALE	1" = 20'
DESIGNER	AL
DRAFTER	STAFF
JOB	A18106-3
SHEET	35
OF	69 SHEETS



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Project
ISI HQ SOUTH BUILDING
932 & 950 Kifer Road, Sunnyvale, CA, 94086

Prepared For
INTUITIVE SURGICAL, INC.
1020 Kifer Road Sunnyvale, CA



Hillman, Obata & Kassabaum, Inc.
One Bush Street, Suite 200
San Francisco, CA 94104 USA
t +1 415 243 0555 f +1 415 882 7783

Approved & sealed as per Attachment 2

Approval No.

BullGroup
Contractor
185 S. Van Ness Ave.
San Francisco, CA 94103

FACS
Hardscaping Materials
2725 Colton Blvd.
Hayward, CA 94545

Farallon
Environmental Consultant
333 Fremont Street, Suite 200
Oakland, CA 94612

Kier + Wright
Civil Engineer
2850 Collier Canyon Road
Livermore, CA 94551

Cornerstone
Geotechnical Engineer
729 Gateway Parkway
Sunnyvale, CA 94085

Taylor Engineering
Mechanical, Electrical, Fire Protection
120 Marina Village Parkway, Suite 501
Alameda, CA 94501

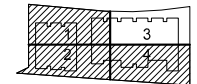
The Engineering Enterprise
Electrical
155 Marina Village Parkway
Alameda, CA 94501

Lerch Bates
Vertical Transportation, Exterior Sign Maintenance
4400 Redwood Hwy, Suite 160-10
San Rafael, CA 94903

Waltz Design, Inc.
Parking Consultant
2599 Gateway Plaza, Suite 500
San Jose, CA 95131

KSH Architects
Embroider ACE
340 Sutter Street
San Francisco, CA 94108

Scale 1/8" = 1'-0"



Professional Seal



No.	Description	Date
001	PRELIM	08/12/08
002	FINAL SD	08/28/08
003	FINAL CD	09/18/08
004	CDSS & SHELTER & CONCEPT PERMITS	09/24/07
005	PERMITS	
1	RE EXISTING PARKING SPILLAGE PLAN	03/24/09
	DATE OF RESPONSE	
	DATE & SHEET NO. & CHECKED PERMITS	03/24/09
	REVISIONS	
2	CDSS & SHELTER & CONCEPT PERMITS	03/24/09
	DATE OF RESPONSE	
	DATE & SHEET NO. & CHECKED PERMITS	03/24/09
	REVISIONS	
3	CDSS & SHELTER & CONCEPT PERMITS	03/24/09
	DATE OF RESPONSE	
	DATE & SHEET NO. & CHECKED PERMITS	03/24/09
	REVISIONS	
4	CDSS & SHELTER & CONCEPT PERMITS	03/24/09
	DATE OF RESPONSE	
	DATE & SHEET NO. & CHECKED PERMITS	03/24/09
	REVISIONS	
5	CDSS & SHELTER & CONCEPT PERMITS	03/24/09
	DATE OF RESPONSE	
	DATE & SHEET NO. & CHECKED PERMITS	03/24/09
	REVISIONS	
6	CDSS & SHELTER & CONCEPT PERMITS	03/24/09
	DATE OF RESPONSE	
	DATE & SHEET NO. & CHECKED PERMITS	03/24/09
	REVISIONS	
7	CDSS & SHELTER & CONCEPT PERMITS	03/24/09
	DATE OF RESPONSE	
	DATE & SHEET NO. & CHECKED PERMITS	03/24/09
	REVISIONS	

Project No. 20-24345-00

Sheet Title

TREE PLANTING PLAN -
SECTOR 3

Drawn & P.L. by: C.A. & A.B. Approved by: H.O. & J.K.

Sheet Number

L-400-3

SHEET NOTES

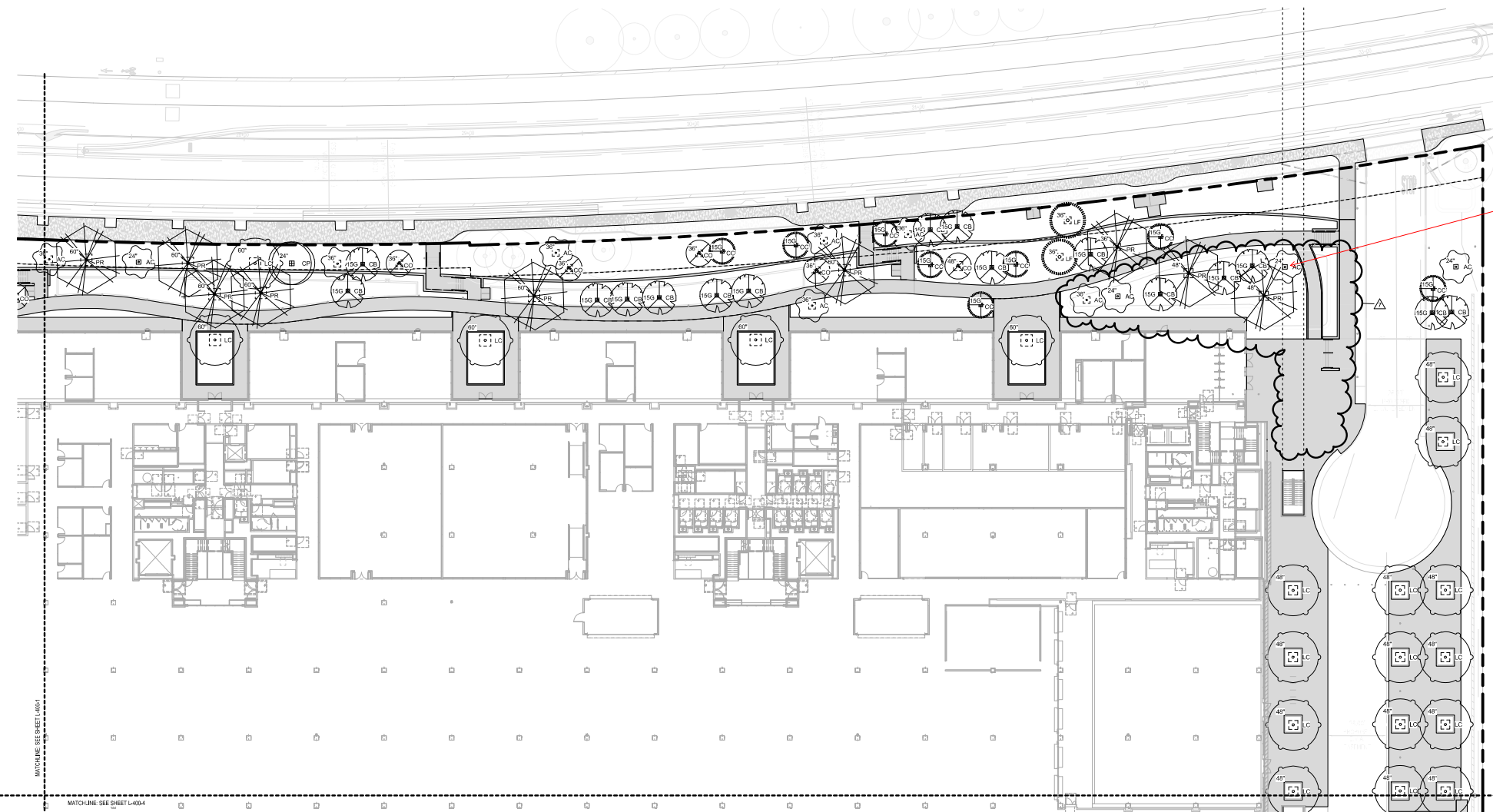
1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES AND REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT FOR RESOLUTION PRIOR TO COMMENCING CONSTRUCTION.
2. SEE SHEET L-400 FOR TREE PLANTING SCHEDULE.
3. SEE L-400 & L-405 FOR TREE PLANTING DETAILS.
4. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL PLANT QUANTITIES, REFER TO PLANT LET AND PLANTING DETAILS FOR SPACING REQUIREMENT FOR EACH PLANT SPECIES.

LEGEND

- PROPERTY LINE
- 15' SETBACK LINE (FROM ORIGINAL PROPERTY LINE)
- OFF-SITE TREE
- EXISTING TREE TO REMAIN

SYMBOL	BOTANIC NAME COMMON NAME
	PLATANUS ACERIFOLIA WILLOWDOG
	CERCIS OCCIDENTALIS WESTERN REDBUD
	X CHITALPA TASHKENTENSIS MORNING CLOUD MORNING CLOUD CHITALPA
	LOPHOSTEMON CONFERTUS BRISBANE BOX
	LOPHOSTEMON CONFERTUS BRISBANE BOX
	CORYLUS CORNUTA VAR. CALIFORNICA CALIFORNIA HAZEL
	ACER MACROPHYLLUM BIG LEAF MAPLE
	UMBELLULARIA CALIFORNICA CALIFORNIA BAY LAUREL
	CELTIS RETICULATA WESTERN HACKBERRY
	ACER CIRCINATUM VINE MAPLE
	FRAXINUS X FAN WEST FAN WEST ASH
	QUERCUS AGRIFOLIA COAST LIVE OAK
	QUERCUS DOUGLASII BLUE OAK

Remove or rearrange trees



1 TREE PLANTING PLAN - S - SECTION 3
1" = 20'-0"



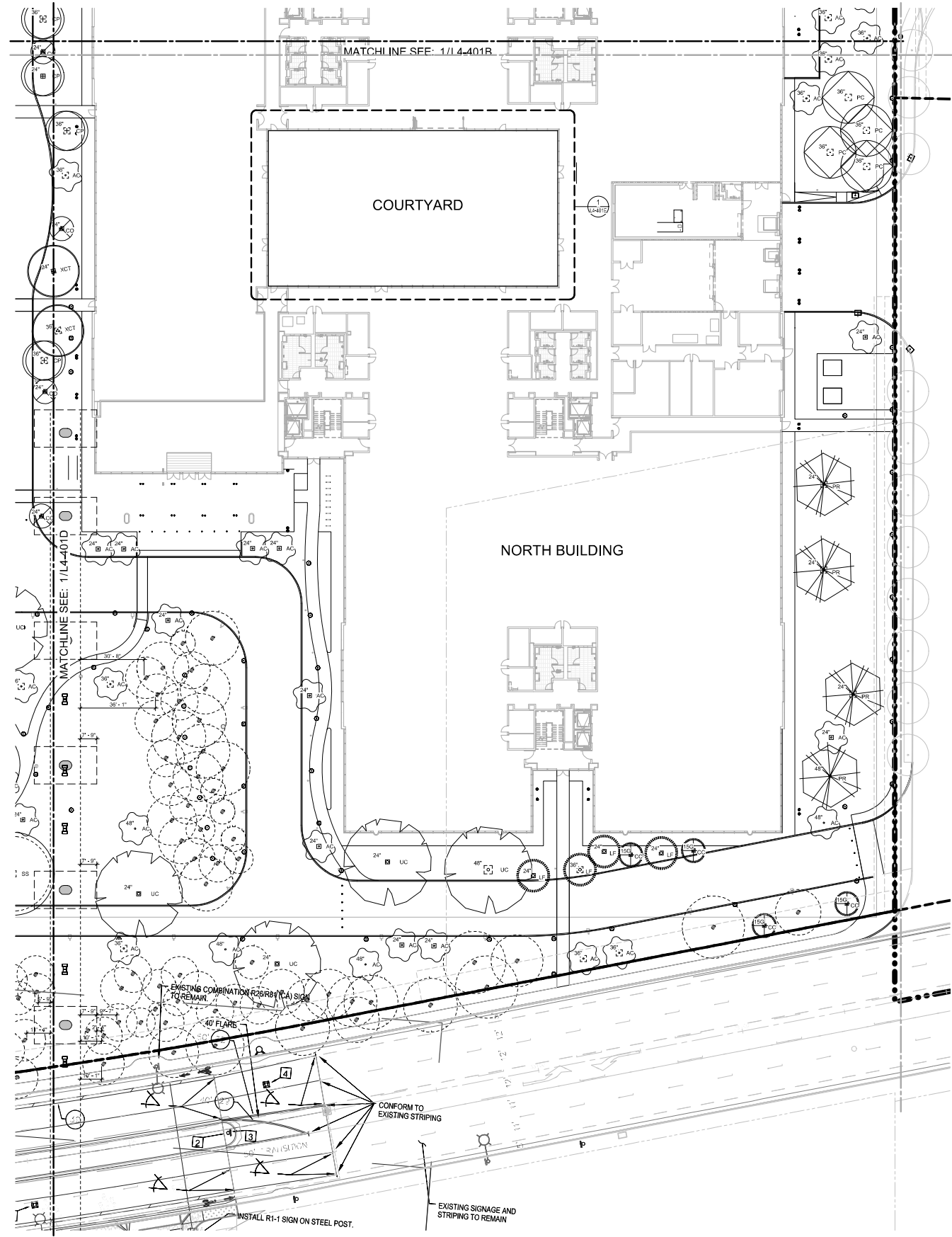
Project:
ISI HQ NORTH BUILDING
945 Kifer Road, Sunnyvale, CA, 94086

Prepared For:
INTUITIVE SURGICAL, INC.
1220 Kifer Road Sunnyvale, CA



Hollmuth, Obata & Kassabaum, Inc.
One Bush Street, Suite 200
San Francisco, CA 94104 USA
t +1 415 243 0555 f +1 415 682 7763

- Association with:
- BullGroup**
Contractor
195 S. Van Ness Ave.
San Francisco, CA 94103
 - Kier + Wright**
Civil Engineer
2050 Collier Canyon Road
Livermore, CA 94551
 - ComerStone**
Geotechnical Engineer
1250 Gaiens Road
Sunnyvale, CA 94086
 - Taylor Engineering**
Mechanical, Electrical, Fire Protection
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Alameda, CA 94511-1142
 - The Engineering Enterprise**
Electrical
135 Marina Village Parkway
Alameda, CA 94501
 - Leitch Bates**
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460 Redwood Way, Suite 18-510
San Rafael, CA 94903
 - KSH Architects**
Envelope ADR
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San Francisco, CA 94108



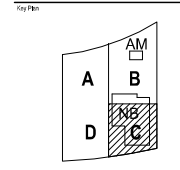
LEGEND

--- LIMIT OF WORK

---x--- PERMETER FENCE

○ EXISTING TREE TO REMAIN

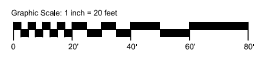
SYMBOL	BOTANIC NAME COMMON NAME
○ AC	ACER CERIGNATUM VINE MAPLE
○ AM	ACER MACROPHYLLOM BIG LEAF MAPLE
○ CO	CERCIS OCCIDENTALIS WESTERN REDBUD
○ CS	CERCOCARPUS BETULOIDES MOUNTAIN MAHOGANY
○ CA	CORYLUS CORNUTA VAR. CALIFORNICA CALIFORNIA HAZEL
○ CP	CRATAEGUS PHAENOPYRUM WASHINGTON HAWTHORN
○ FD	FRAXINUS DIPETALA FOOTHILL ASH
○ FC	PISTACHIA CHINENSIS CHINESE PISTACHE
○ IF	LYONOTHAMNUS FLORIBUNDUS SISY. ASPLENIFOLIUS SANTA CRUZ ISLAND IRONWOOD
○ PR	PLATANUS RACEMOSA WESTERN SYCAMORE
○ QM	QUERCUS AGRIFFOLIA COAST LIVE OAK
○ DO	QUERCUS DOUGLASSII BLUE OAK
○ CS	SEQUOIA SEMPERVIRENS COAST REDWOOD
○ UC	UMBELLULARIA CALIFORNICA CALIFORNIA BAY LAUREL
○ XCT	X CHITALPA TASHKENTENSIS MORNING CLOUD MORNING CLOUD CHITALPA



No.	Description	Date
1	ISSUED FOR PERMITS	2/24/20
2	ISSUED FOR PERMITS	2/24/20
3	ISSUED FOR PERMITS	2/24/20
4	MODIFICATION TO ARCHITECTURAL DEVELOPMENT PLAN	2/24/20

Project No: 05.00003.30
Sheet No:
TREE PLANTING PLAN - SECTOR C

1 TREE PLANTING PLAN - SECTOR C
1" = 20'-0"



20202504 11:02:28 AM

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Hollmuth, Obata & Kassabaum, Inc.
One Bush Street, Suite 200
San Francisco, CA 94104 USA
t +1 415 243 0555 f +1 415 682 7763

Association with:

BullGroup
Contractor
165 S. Van Ness Ave.
San Francisco, CA 94103

Kier + Wright
Civil Engineer
2850 Collier Canyon Road
Livermore, CA 94551

Compton
Civil Engineer
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Sunnyvale, CA 94086

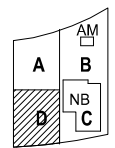
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460 Redwood Way, Suite 18-510
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Envelope ADR
345 Sutter Street
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Tree Plan



Professional Seal:



No.	Description	Date
1	PREPARED	2/24/2011
2	REVISED	2/24/2011
3	REVISED	2/24/2011
4	MODIFICATION TO APPROVED SITE DEVELOPMENT PERMIT	2/24/2011

Project No.: 05.00003.30

Sheet No.:

TREE PLANTING PLAN -
SECTOR D

Graphic Scale: 1 inch = 20 feet

L4-401D



1 TREE PLANTING PLAN - SECTOR D
1" = 20'-0"



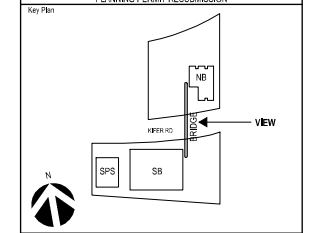
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↑ Bridge - Illustrative Rendered Street View - Kifer Road

PREVIOUSLY APPROVED

Rev.	Date	Reason for Issue	CHK



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 www.arup.com

KIER+WRIGHT
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 Santa Clara, CA 95054 (408)727-6665

BrightView
 PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN
 1715 18TH STREET
 SAN FRANCISCO, CA 94104 (415) 629-4707

Client
Intuitive

Project
Intuitive

Title
Bridge
Rendered Street View
Kifer Road

Project No. 2768	Date 31 JUL 2020	Scale at Arch E1 N/A
Number A-br-100-xx-01-PL	Revision 02	



Project
ISI BRIDGE
Connecting 945 & 950 Kifer
Sunnyvale, CA, 94086

Prepared For
INTUITIVE SURGICAL, INC.
1020 Kifer Road Sunnyvale, CA



Hellmuth, Obata & Kassabaum, Inc.
One Bush Street, Suite 200
San Francisco, CA 94104 USA
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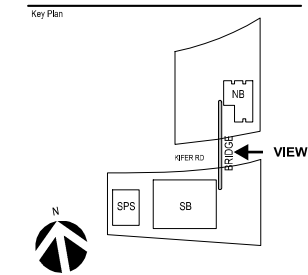
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Geotechnical Engineer
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Sunnyvale, CA 94085

Taylor Engineering
Mechanical, Plumbing, Fire Protection
1080 Marina Village Parkway, Suite 501
Alameda, CA 94501-1142

The Engineering Enterprise
Electrical
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Alameda, CA 94501

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Key Plan
DATE
MODIFICATION TO APPROVED SITE DEVELOPMENT PERMIT 2023-02-15



PROPOSED

PERSPECTIVE

A10

SHEET NUMBER



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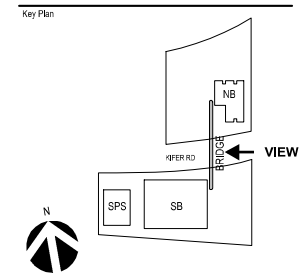
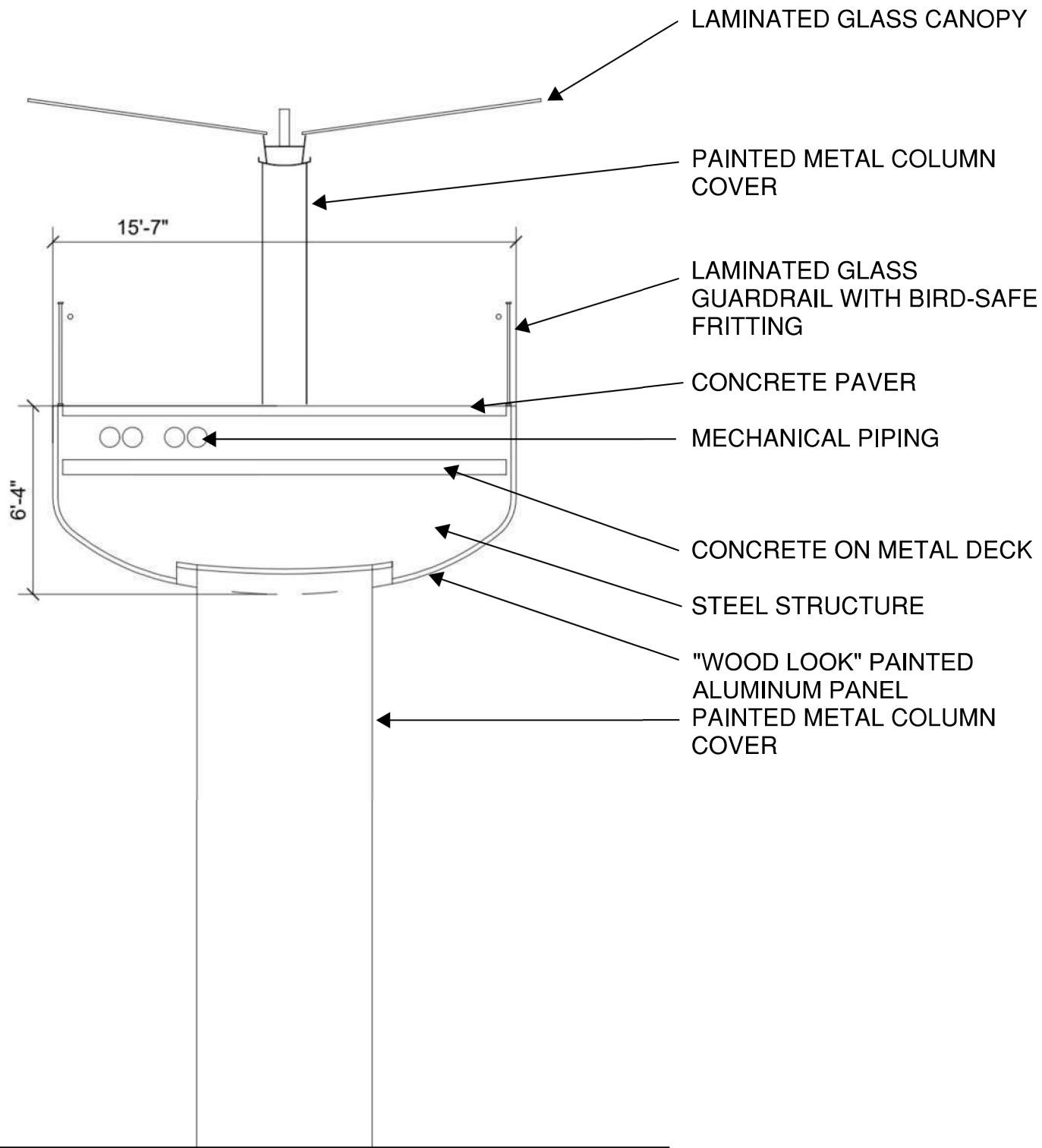
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Mechanical, Plumbing, Fire Protection
1080 Marina Village Parkway, Suite 501
Alameda, CA 94501-1142

The Engineering Enterprise
Electrical
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Alameda, CA 94501

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MODIFICATION TO APPROVED SITE DEVELOPMENT PERMIT
DATE: 2023-02-15

A11

SHEET NUMBER



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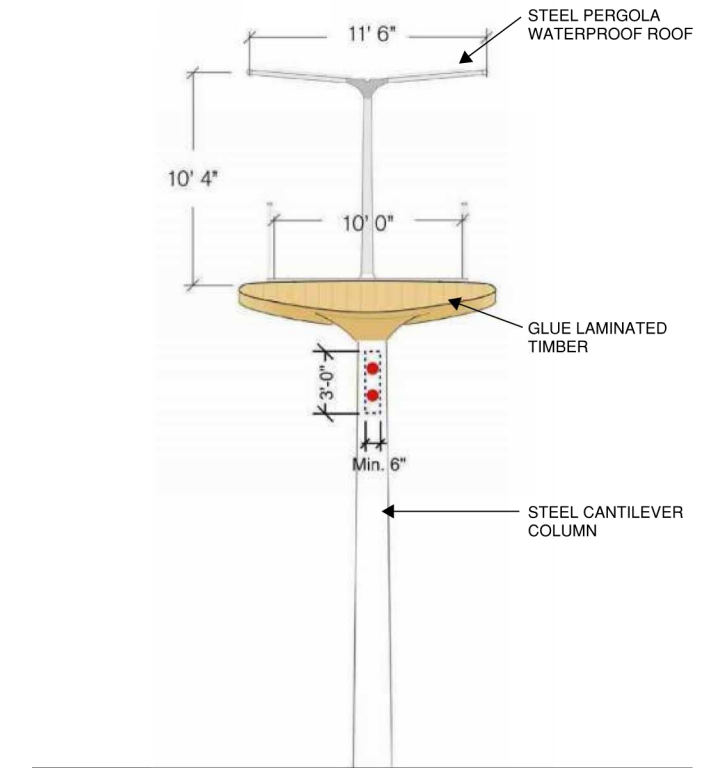
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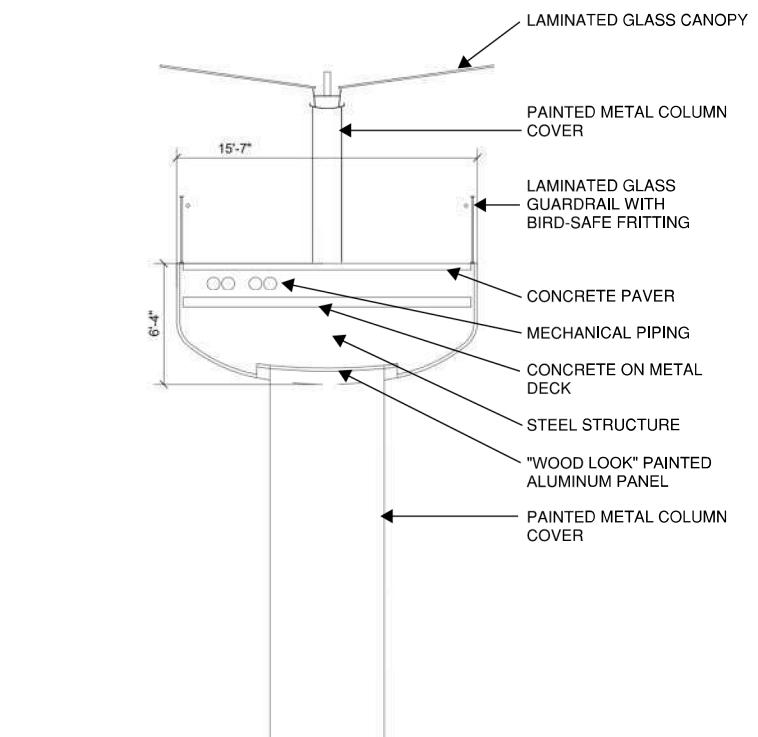
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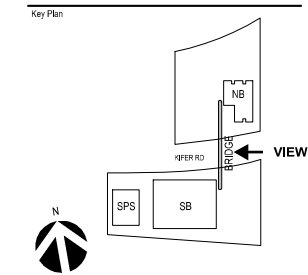
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PREVIOUSLY APPROVED



PROPOSED - SECTION

PROPOSED



DESCRIPTION	DATE
MODIFICATION TO APPROVED SITE DEVELOPMENT PERMIT	2023-02-15

A12

SHEET NUMBER



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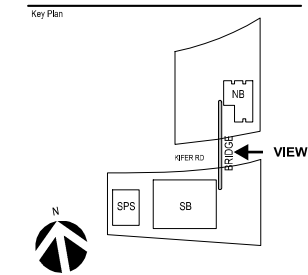
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1080 Marina Village Parkway, Suite 501
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PROPOSED PERSPECTIVE