

Appendix C

Project Site Plans

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Aramis Solar

Up to 102-MW-AC

Alameda County, CA

Conditional Use Permit Plan

PROJECT OWNER/DEVELOPER

CONTACT: MARISA MITCHELL
PHONE: (415) 846-0730

ENGINEERING PROJECT MANAGER

WESTWOOD PROFESSIONAL SERVICES, INC.
N., 2740 DALLAS PKWY. #280
PLANO, TX
CONTACT: JACK HAYS
PHONE: (972) 473-4640

PROJECT CIVIL ENGINEER OF RECORD

WESTWOOD PROFESSIONAL SERVICES, INC.
12701 WHITWATER DRIVE SUITE #300
MINNETONKA, MN 55343
CONTACT: CHRIS CARDA, P.E.
PHONE: (952) 906-7459

Westwood

Phone (952) 937-5150 12701 Whitewater Drive, Suite #300
Fax (952) 937-5822 Minnetonka, MN 55343
Toll Free (888) 937-5150 westwoodps.com
Westwood Development Consultants, LLC

Designed: PDC
Checked: MPG
Drawn: PDC

Record Drawing by/date:

Revisions:

Prepared for:

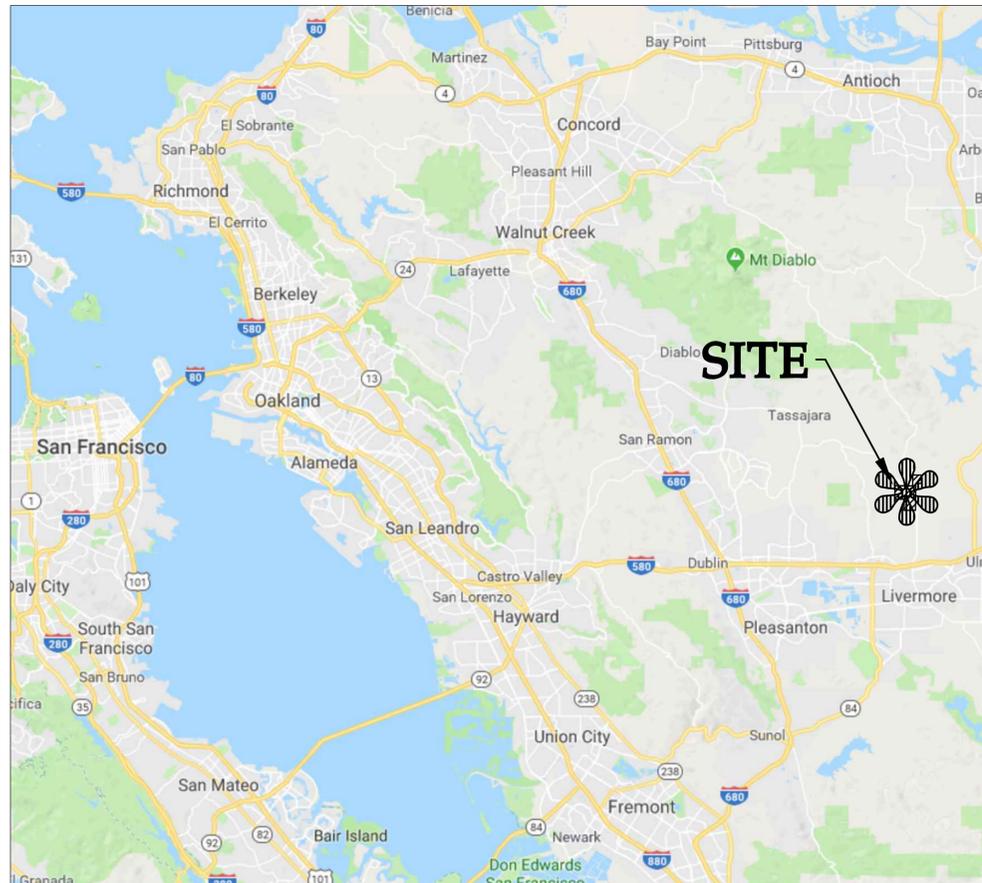
IP Aramis, LLC

Sheet List Table	
Sheet Number	Sheet Title
T.100	COVER
C.100	EXISTING CONDITIONS PLAN-NORTH
C.101	EXISTING CONDITIONS PLAN-SOUTH
C.102	EXISTING CONDITIONS PLAN-SOUTH
C.200	CIVIL SITE PLAN-NORTH
C.201	CIVIL SITE PLAN-CENTRAL
C.202	CIVIL SITE PLAN-SOUTH
C.400	CONSTRUCTION DETAILS
C.401	CONSTRUCTION DETAILS

DIRECTIONS TO SITE

- HEADING EAST ON I-580
1. TAKE EXIT 52 FOR N. LIVERMORE AVE. TOWARD LIVERMORE.
2. TURN LEFT ONTO N. LIVERMORE AVE.
3. DRIVE APPROXIMATELY 2.9 MILES NORTH.
4. THE SITE ENTRANCE WILL BE ON THE LEFT.

Regional Map



SOURCE: MAP DATA ©2018 GOOGLE (NOT TO SCALE)

Vicinity Map



SOURCE: MAP DATA ©2018 GOOGLE (NOT TO SCALE)

PROJECT LOCATION

LATITUDE= 37° 44' 57.29"
LONGITUDE= -121° 46' 25.79"

PROJECT COORDINATE SYSTEM

NSRS 2011 CALIFORNIA STATE PLANE, ZONE III, US FOOT

FEMA MAPPING

FIRM PANELS 06001C0332G AND 06013C0500F

APN
903-0007-002-01
903-0006-003-07
903-0006-001-02

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Alameda County, CA

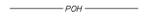
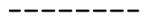
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Not For Construction

Date: 11/13/2020

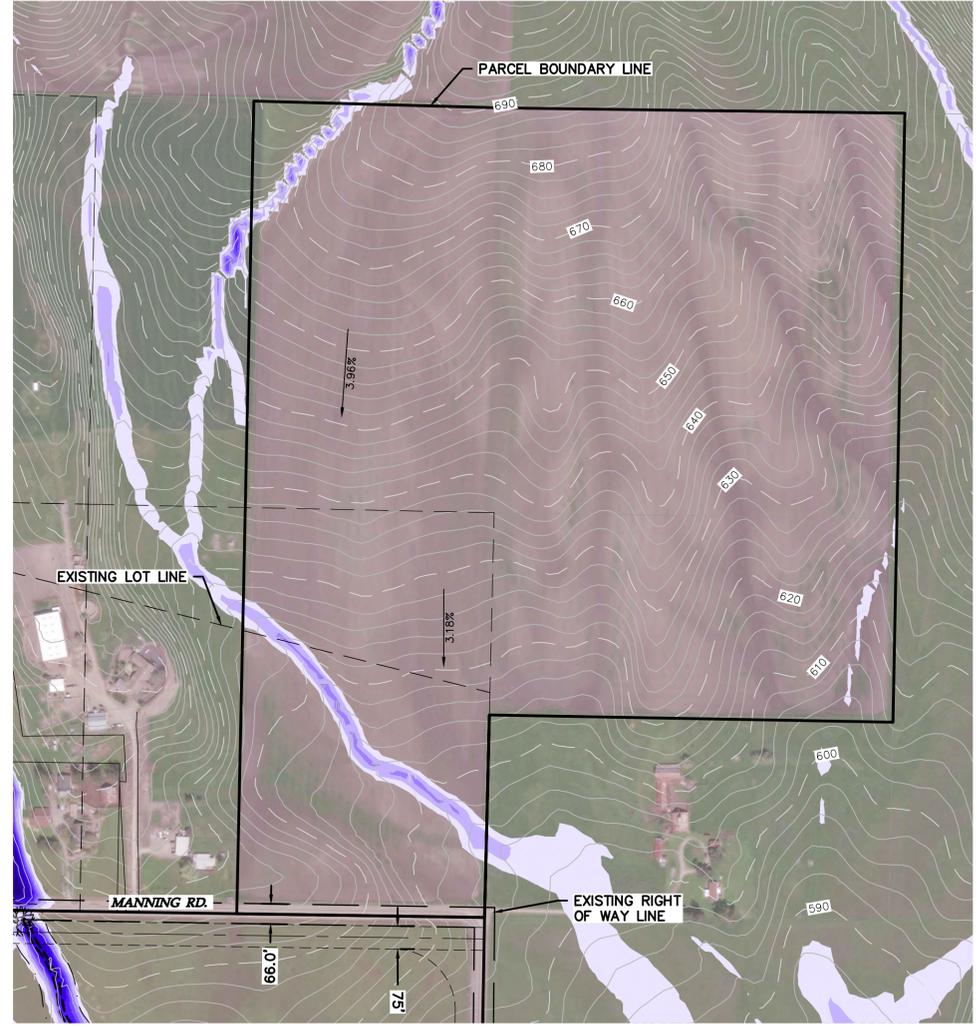
Drawing No: T.100

LEGEND:

-  PROJECT BOUNDARY LINE
-  EXISTING EASEMENT LINE
-  EXISTING RIGHT-OF-WAY LINE
-  EXISTING OVERHEAD POWERLINE
-  EXISTING PAVED ROAD
-  EXISTING GRAVEL ROAD
-  EXISTING INDEX CONTOUR LINE
-  EXISTING INTERVAL CONTOUR LINE
-  EXISTING STREAM BANK
-  SETBACK FROM STREAM BANK
-  EXISTING FEMA REGULATORY FLOODWAY
-  EXISTING FEMA FLOOD ZONE X
-  EXISTING FEMA FLOOD ZONE A
-  EXISTING TREE

NOTES:

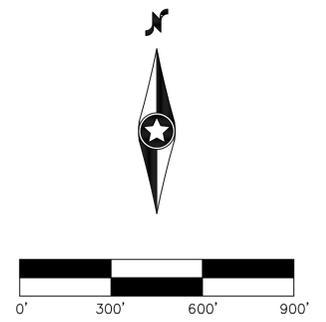
1. MATURE TREES (AS SHOWN) WILL REMAIN.



100 Year Max Flow Depth (ft)		
Minimum Elevation	Maximum Elevation	Color
0.50	1.00	
1.01	1.50	
1.51	2.00	
2.01	2.50	
2.51	3.00	
3.01	4.00	
4.01	6.00	
6.00	20.00	

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Revisions:	

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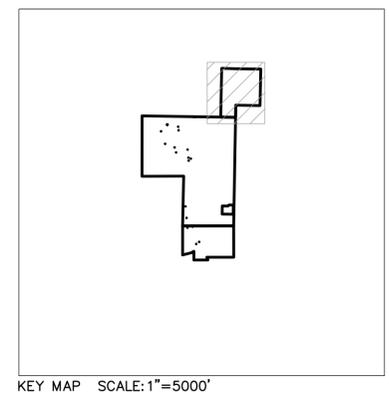


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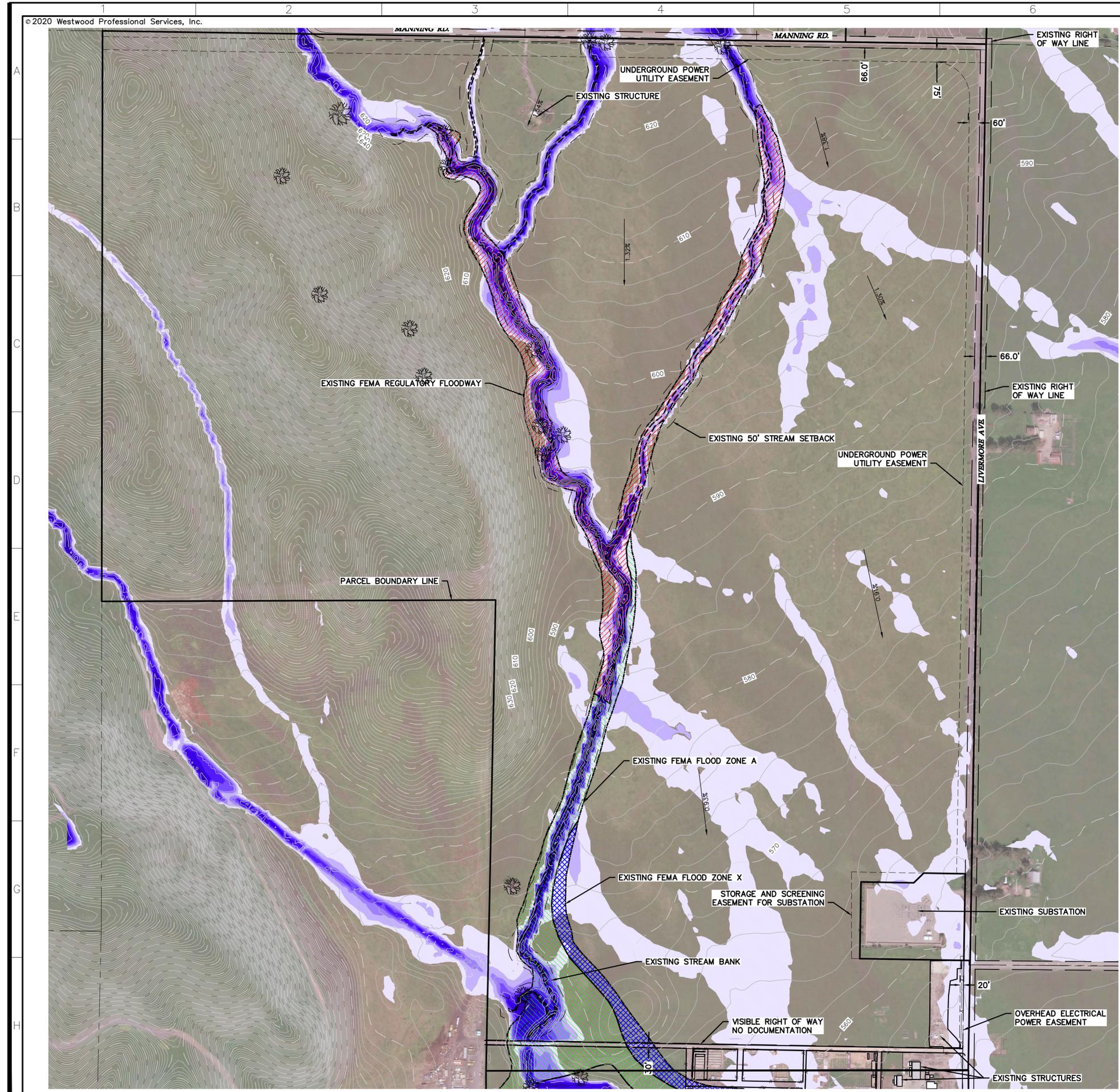
Existing Conditions
Plan-North

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Date: 11/13/2020
Drawing No: C.100



KEY MAP SCALE: 1"=5000'



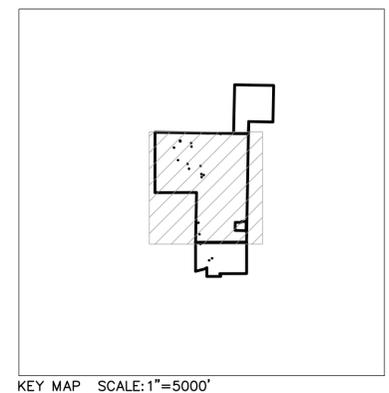
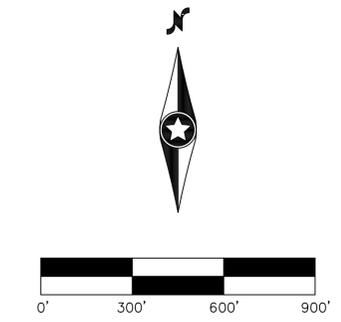
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- PROJECT BOUNDARY LINE
 - - - EXISTING SECTION LINE
 - - - EXISTING EASEMENT LINE
 - - - EXISTING RIGHT-OF-WAY LINE
 - - - EXISTING OVERHEAD POWERLINE
 - ==== EXISTING PAVED ROAD
 - ==== EXISTING GRAVEL ROAD
 - 1070
1071 EXISTING INDEX CONTOUR LINE
 - EXISTING INTERVAL CONTOUR LINE
 - - - EXISTING STREAM BANK
 - SETBACK FROM STREAM BANK
 - EXISTING FEMA REGULATORY FLOODWAY
 - EXISTING FEMA FLOOD ZONE X
 - EXISTING FEMA FLOOD ZONE A
 - EXISTING TREE

- NOTES:**
- MATURE TREES (AS SHOWN) WILL REMAIN.

100 Year Max Flow Depth (ft)		
Minimum Elevation	Maximum Elevation	Color
0.50	1.00	Lightest Blue
1.01	1.50	Light Blue
1.51	2.00	Medium Light Blue
2.01	2.50	Medium Blue
2.51	3.00	Dark Blue
3.01	4.00	Very Dark Blue
4.01	6.00	Dark Purple
6.00	20.00	Black

Designed: PDC
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Drawn: PDC
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Revisions:

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IP Aramis, LLC



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 Alameda County, CA

Existing Conditions
Plan-South

Issued For Review
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Date: 11/13/2020
 Drawing No: C.101

LEGEND:

- PROJECT BOUNDARY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- POH EXISTING OVERHEAD POWERLINE
- EXISTING PAVED ROAD
- EXISTING GRAVEL ROAD
- 1070 EXISTING INDEX CONTOUR LINE
- 1071 EXISTING INTERVAL CONTOUR LINE
- EXISTING STREAM BANK
- SETBACK FROM STREAM BANK
- EXISTING FEMA REGULATORY FLOODWAY
- EXISTING FEMA FLOOD ZONE X
- EXISTING FEMA FLOOD ZONE A
- EXISTING TREE

NOTES:

1. MATURE TREES (AS SHOWN) WILL REMAIN.

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Drawn: FDC

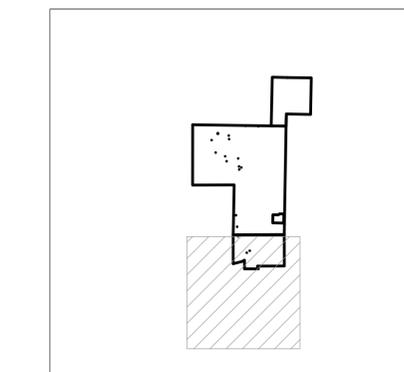
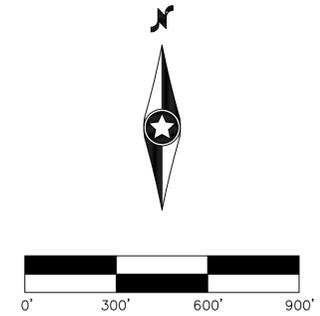
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Revisions:

Prepared for:

IP Aramis, LLC

100 Year Max Flow Depth (ft)		
Minimum Elevation	Maximum Elevation	Color
0.50	1.00	Lightest Blue
1.01	1.50	Light Blue
1.51	2.00	Medium Light Blue
2.01	2.50	Medium Blue
2.51	3.00	Dark Blue
3.01	4.00	Very Dark Blue
4.01	6.00	Black
6.00	20.00	Black



KEY MAP SCALE: 1"=5000'

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Alameda County, CA

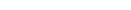
**Existing Conditions
Plan-South**

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Date: 11/13/2020

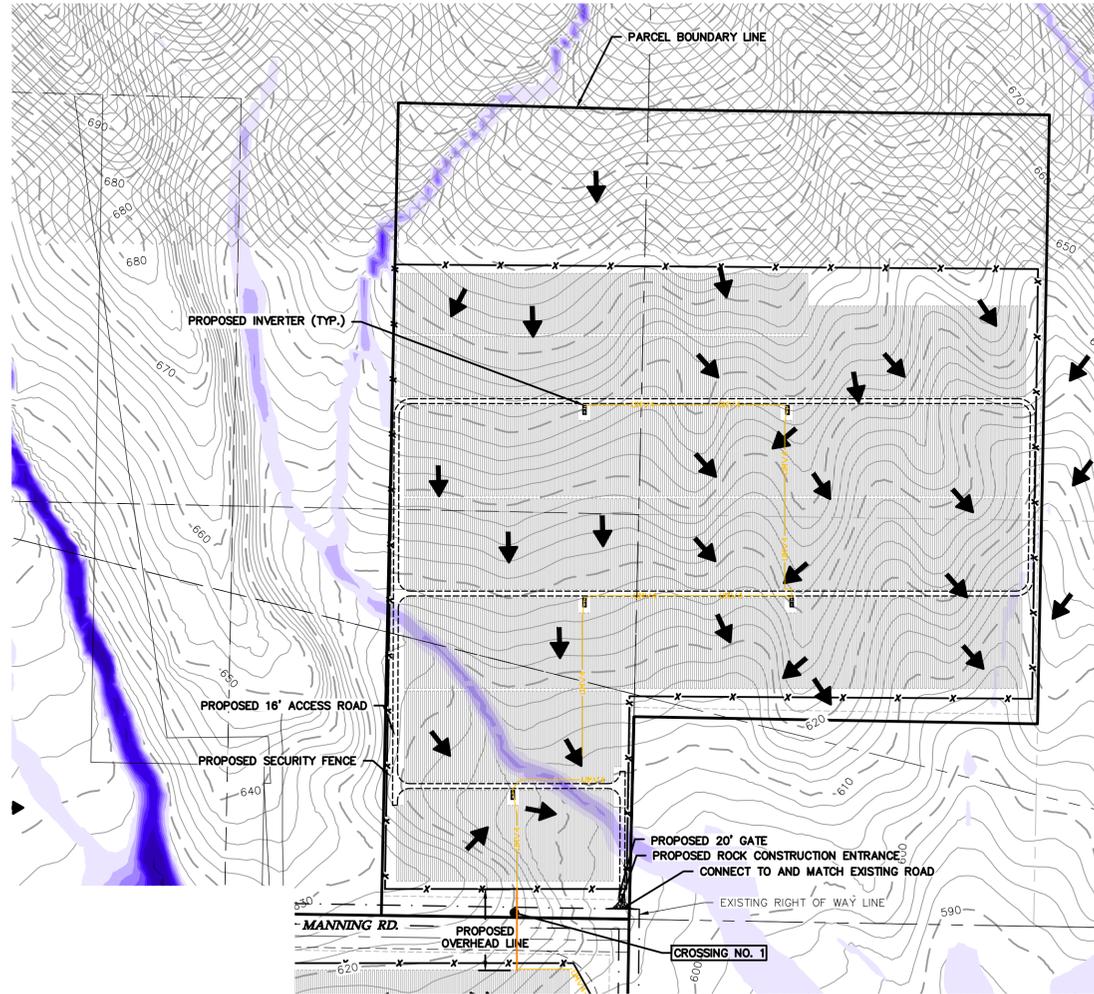
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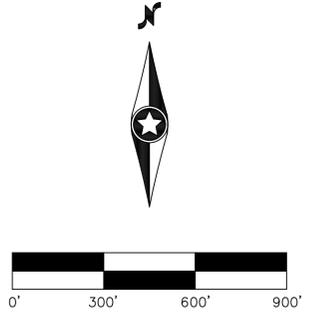
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-  EXISTING SECTION LINE
-  EXISTING EASEMENT LINE
-  EXISTING RIGHT-OF-WAY LINE
-  EXISTING OVERHEAD POWERLINE
-  EXISTING PAVED ROAD
-  EXISTING GRAVEL ROAD
-  EXISTING FEMA REGULATORY FLOODWAY
-  EXISTING FEMA FLOOD ZONE X
-  EXISTING FEMA FLOOD ZONE A
-  EXISTING STREAM BANK
-  EXISTING INDEX CONTOUR LINE
-  EXISTING INTERVAL CONTOUR LINE
-  RESOURCE MANAGEMENT AREA
-  PROPOSED SOLAR ARRAY
-  PROPOSED ELECTRICAL EQUIPMENT
-  PROPOSED ACCESS ROAD
-  PROPOSED WALKING PATH
-  UNDERGROUND MVAC ROUTE OPTION 1
-  UNDERGROUND MVAC ROUTE OPTION 2
-  OVERHEAD MVAC ROUTE
-  HDD (HORIZONTAL DIRECTIONAL DRILLING)
-  PROPOSED SILT FENCE
-  PROPOSED SECURITY FENCE
-  MODULE SETBACK LINE
-  DRAINAGE DIRECTION
-  PROPOSED SUBSTATION
-  PROPOSED LAYDOWN YARD
-  PROPOSED BATTERY ENERGY STORAGE SYSTEM

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Revisions:

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100 Year Max Flow Depth (ft)		
Minimum Elevation	Maximum Elevation	Color
0.50	1.00	
1.01	1.50	
1.51	2.00	
2.01	2.50	
2.51	3.00	
3.01	4.00	
4.01	6.00	
6.00	20.00	



Project Module Setbacks	
Item	Required
SIDE	10' FROM PROPERTY LINE
REAR	10' FROM PROPERTY LINE
FRONT	30' FROM PROPERTY LINE
STREAM BANK	50'

Disturbance Limits	
Item	Area
TOTAL CLEARING AND GRUBBING (WITHIN PROPOSED SECURITY FENCE).	415 acres

Fenced Area	
Location	Area (acres)
BOARDMAN (NORTH)	105
CROSBY (CENTRAL)	270
STANLEY (SOUTH)	40
TOTAL	415

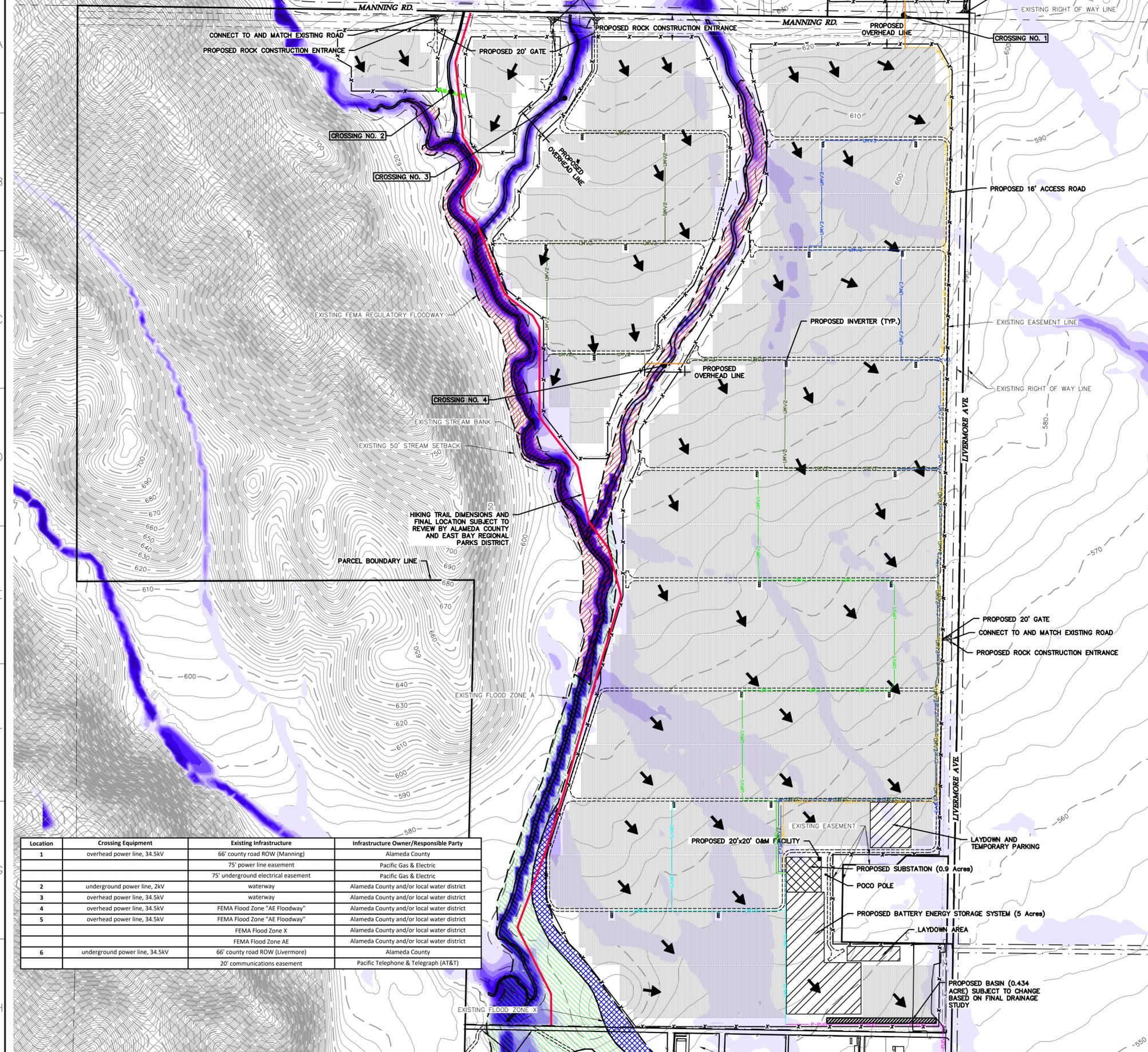
IP Aramis, LLC
 Alameda County, CA

Civil Site Plan-North

Issued For Review
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Date: 11/13/2020
 Drawing No: C.200_C

Location	Crossing Equipment	Existing Infrastructure	Infrastructure Owner/Responsible Party
1	overhead power line, 34.5kV	66' county road ROW (Manning)	Alameda County
		75' power line easement	Pacific Gas & Electric
		75' underground electrical easement	Pacific Gas & Electric
2	underground power line, 2kV	waterway	Alameda County and/or local water district
3	overhead power line, 34.5kV	waterway	Alameda County and/or local water district
4	overhead power line, 34.5kV	FEMA Flood Zone "AE Floodway"	Alameda County and/or local water district
5	overhead power line, 34.5kV	FEMA Flood Zone "AE Floodway"	Alameda County and/or local water district
		FEMA Flood Zone X	Alameda County and/or local water district
		FEMA Flood Zone AE	Alameda County and/or local water district
6	underground power line, 34.5kV	66' county road ROW (Livermore)	Alameda County
		20' communications easement	Pacific Telephone & Telegraph (AT&T)



LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
- EXISTING PAVED ROAD
- EXISTING GRAVEL ROAD
- EXISTING FEMA REGULATORY FLOODWAY
- EXISTING FEMA FLOOD ZONE X
- EXISTING FEMA FLOOD ZONE A
- EXISTING STREAM BANK
- EXISTING INDEX CONTOUR LINE
- EXISTING INTERVAL CONTOUR LINE
- RESOURCE MANAGEMENT AREA
- PROPOSED SOLAR ARRAY
- PROPOSED ELECTRICAL EQUIPMENT
- PROPOSED ACCESS ROAD
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- MODULE SETBACK LINE
- DRAINAGE DIRECTION
- PROPOSED SUBSTATION
- PROPOSED LAYDOWN YARD
- PROPOSED BATTERY ENERGY STORAGE SYSTEM

100 Year Max Flow Depth (ft)		
Minimum Elevation	Maximum Elevation	Color
0.50	1.00	
1.01	1.50	
1.51	2.00	
2.01	2.50	
2.51	3.00	
3.01	4.00	
4.01	6.00	
6.00	20.00	

Project Module Setbacks	
Item	Required
REAR	10' FROM PROPERTY LINE
FRONT	30' FROM PROPERTY LINE
STREAM BANK	50'

Disturbance Limits	
Item	Area
TOTAL CLEARING AND GRUBBING (WITHIN PROPOSED SECURITY FENCE).	415 acres

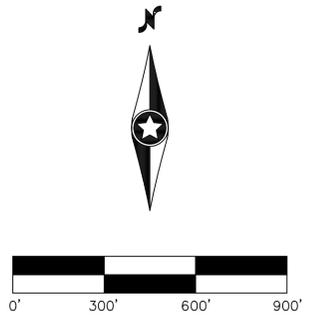
Fenced Area	
Location	Area (acres)
BOARDMAN (NORTH)	105
CROSBY (CENTRAL)	270
STANLEY (SOUTH)	40
TOTAL	415

Location	Crossing Equipment	Existing Infrastructure	Infrastructure Owner/Responsible Party
1	overhead power line, 34.5kV	66' county road ROW (Manning)	Alameda County
		75' power line easement	Pacific Gas & Electric
		75' underground electrical easement	Pacific Gas & Electric
2	underground power line, 2kV	waterway	Alameda County and/or local water district
3	overhead power line, 34.5kV	waterway	Alameda County and/or local water district
4	overhead power line, 34.5kV	FEMA Flood Zone "AE Floodway"	Alameda County and/or local water district
5	overhead power line, 34.5kV	FEMA Flood Zone "AE Floodway"	Alameda County and/or local water district
		FEMA Flood Zone X	Alameda County and/or local water district
		FEMA Flood Zone AE	Alameda County and/or local water district
6	underground power line, 34.5kV	66' county road ROW (Livermore)	Alameda County
		20' communications easement	Pacific Telephone & Telegraph (AT&T)

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Revisions:	

Prepared for:

IP Aramis, LLC

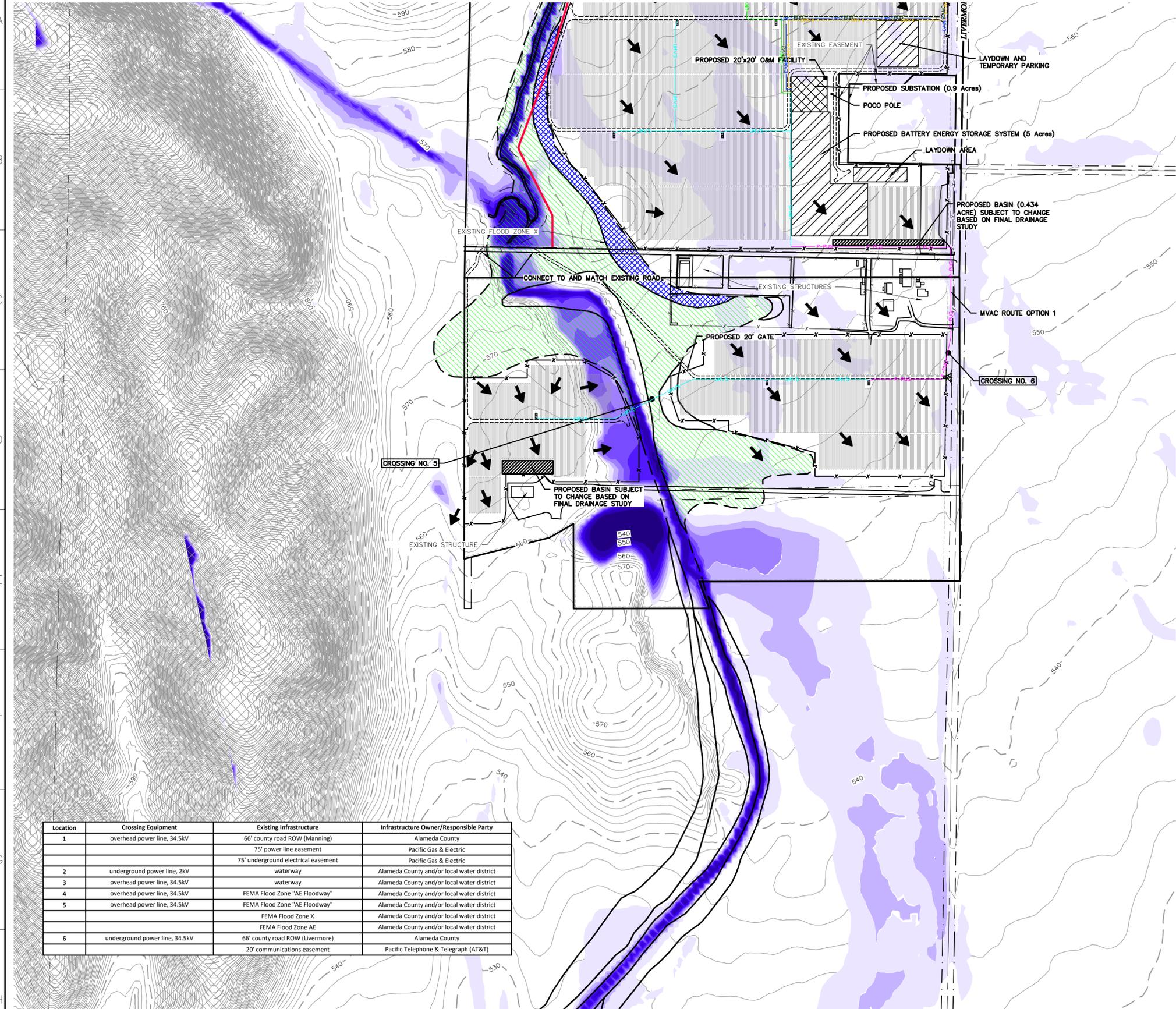


IP Aramis, LLC
 Alameda County, CA

Civil Site Plan-Central

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Date: 11/13/2020
 Drawing No: C.201_C



LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
- EXISTING PAVED ROAD
- EXISTING GRAVEL ROAD
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- EXISTING FEMA FLOOD ZONE A
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- MODULE SETBACK LINE
- DRAINAGE DIRECTION
- PROPOSED SUBSTATION
- PROPOSED LAYDOWN YARD
- PROPOSED BATTERY ENERGY STORAGE SYSTEM

NOTES:

1. WATER LINE EASEMENT PENDING; TO BE AVOIDED OR RELOCATED

100 Year Max Flow Depth (ft)		
Minimum Elevation	Maximum Elevation	Color
0.50	1.00	
1.01	1.50	
1.51	2.00	
2.01	2.50	
2.51	3.00	
3.01	4.00	
4.01	6.00	
6.00	20.00	

Project Module Setbacks

Item	Required
SIDE	10' FROM PROPERTY LINE
REAR	10' FROM PROPERTY LINE
FRONT	30' FROM PROPERTY LINE

Disturbance Limits

Item	Area
TOTAL CLEARING AND GRUBBING (WITHIN PROPOSED SECURITY FENCE).	415 acres

Fenced Area

Location	Area (acres)
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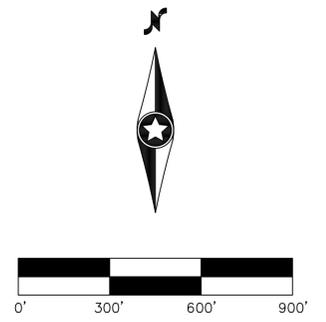
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		20' communications easement	Pacific Telephone & Telegraph (AT&T)

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Revisions:

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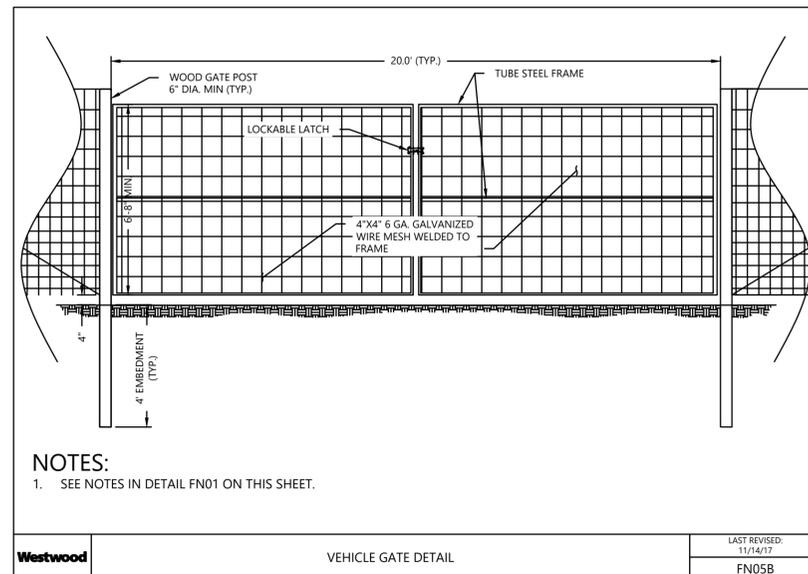
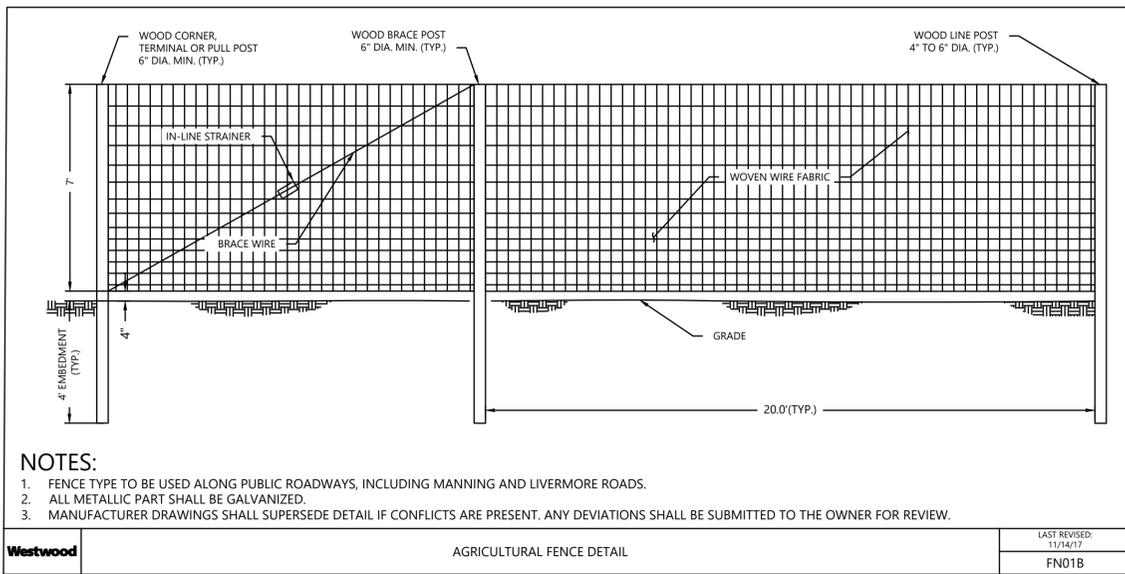
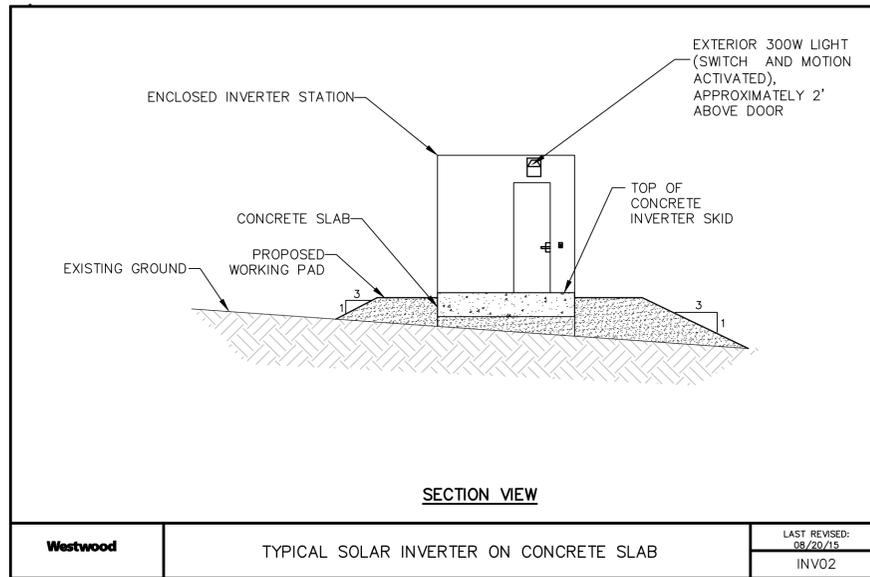
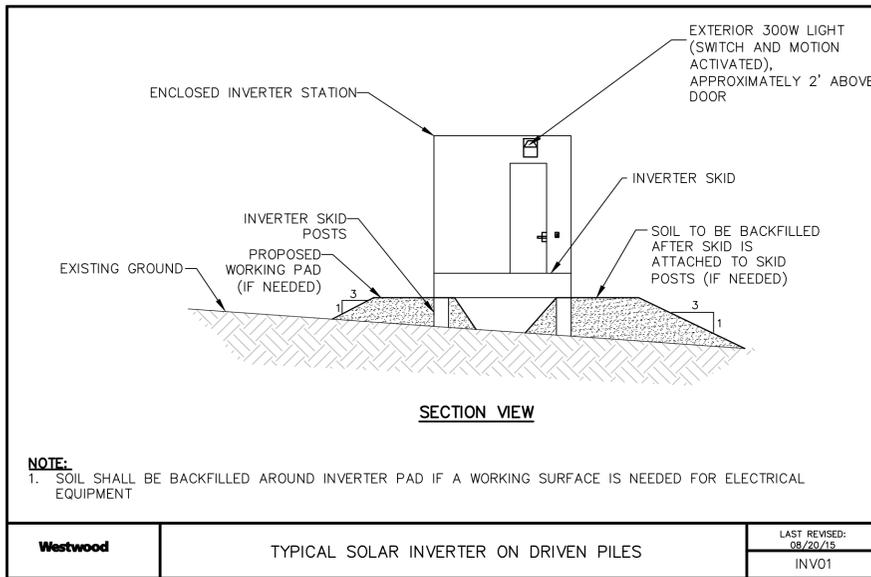
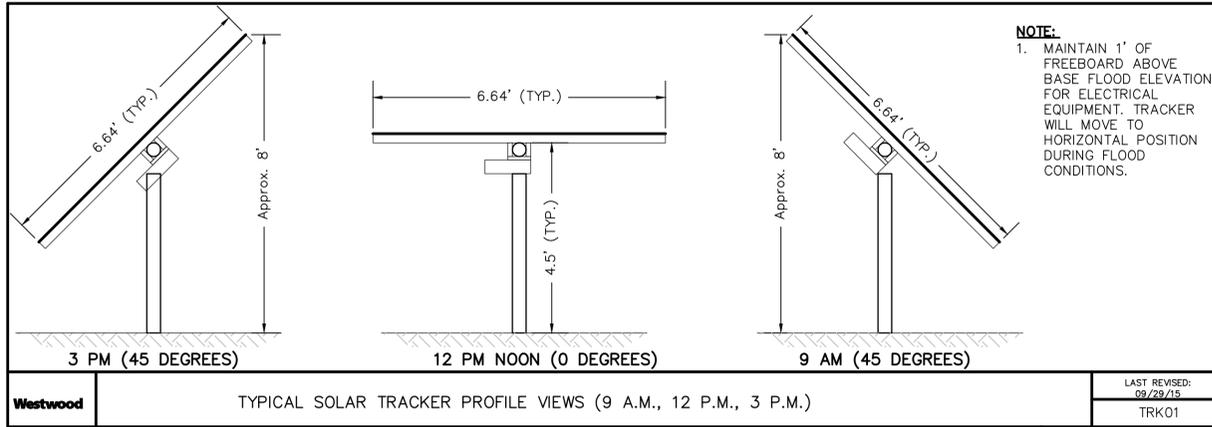
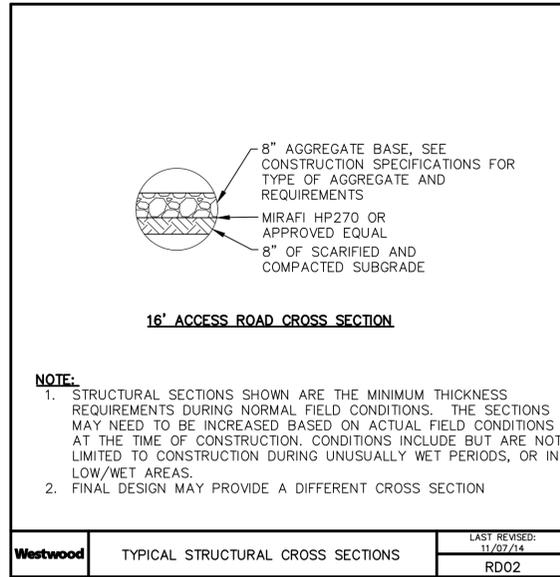
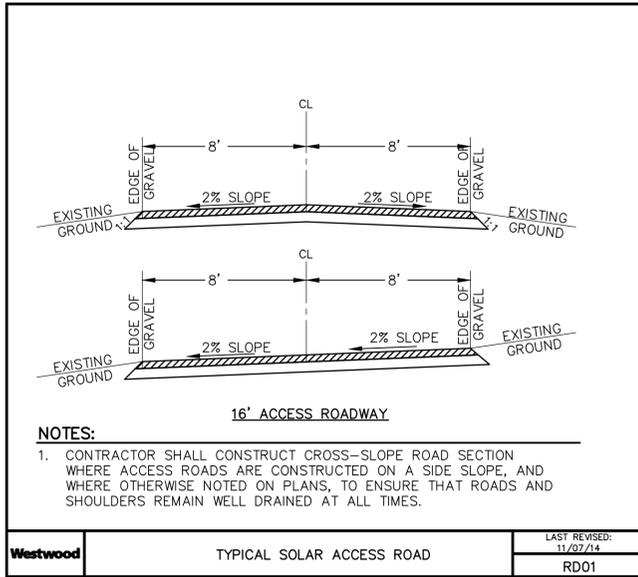
IP Aramis, LLC

Alameda County, CA

Civil Site Plan-South

**Issued For Review
 Not For Construction**

Date: 11/13/2020
 Drawing No: C.202_C



Designed: PDC
 Checked: MPG
 Drawn: PDC

Record Drawing by/date:

Revisions:

Prepared for:

IP Aramis, LLC

IP Aramis, LLC

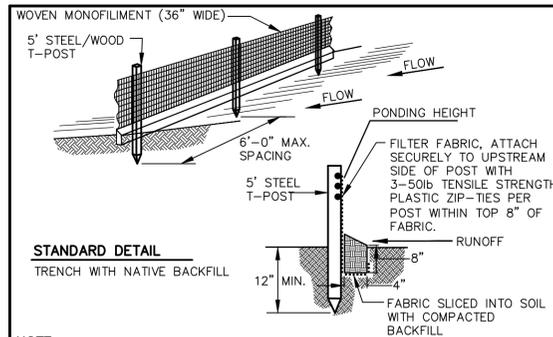
Alameda County, CA

Construction Details

Issued For Review
 Not For Construction

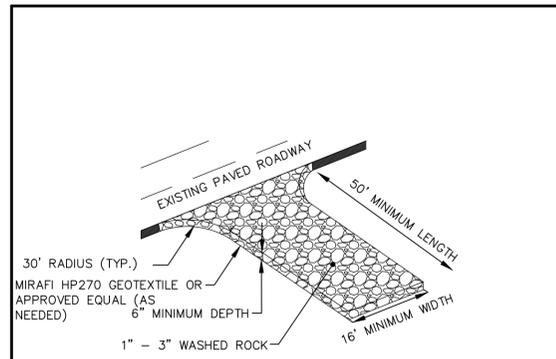
Date: 11/13/2020

Drawing No: C.400



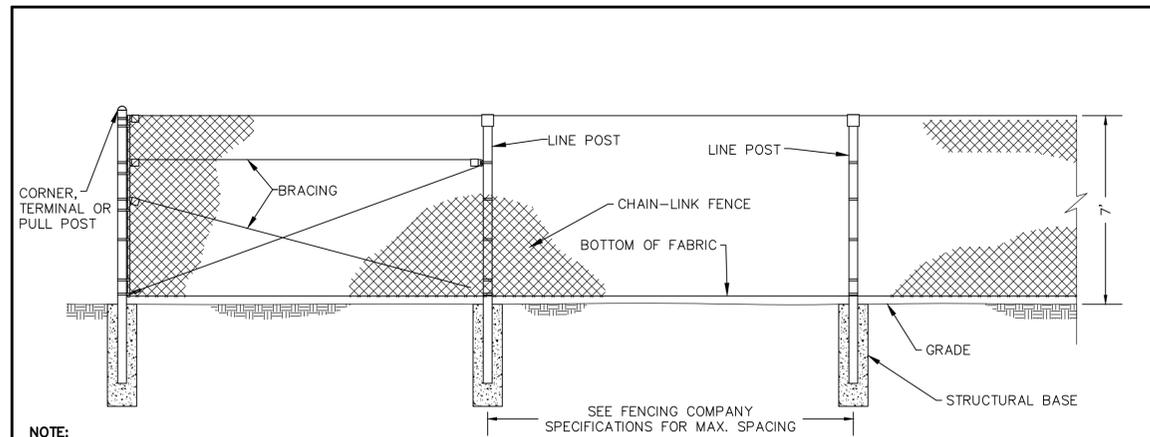
- NOTE:**
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN ACCUMULATED TO 1/2 THE HEIGHT OF THE FABRIC OR MORE.
 2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
 4. ALL ENDS OF THE SILT FENCE SHALL BE WRAPPED UPSLOPE SO THE ELEVATION OF THE BOTTOM OF FABRIC IS HIGHER THAN "PONDING HEIGHT".

Westwood SILT FENCE LAST REVISED: 11/24/14



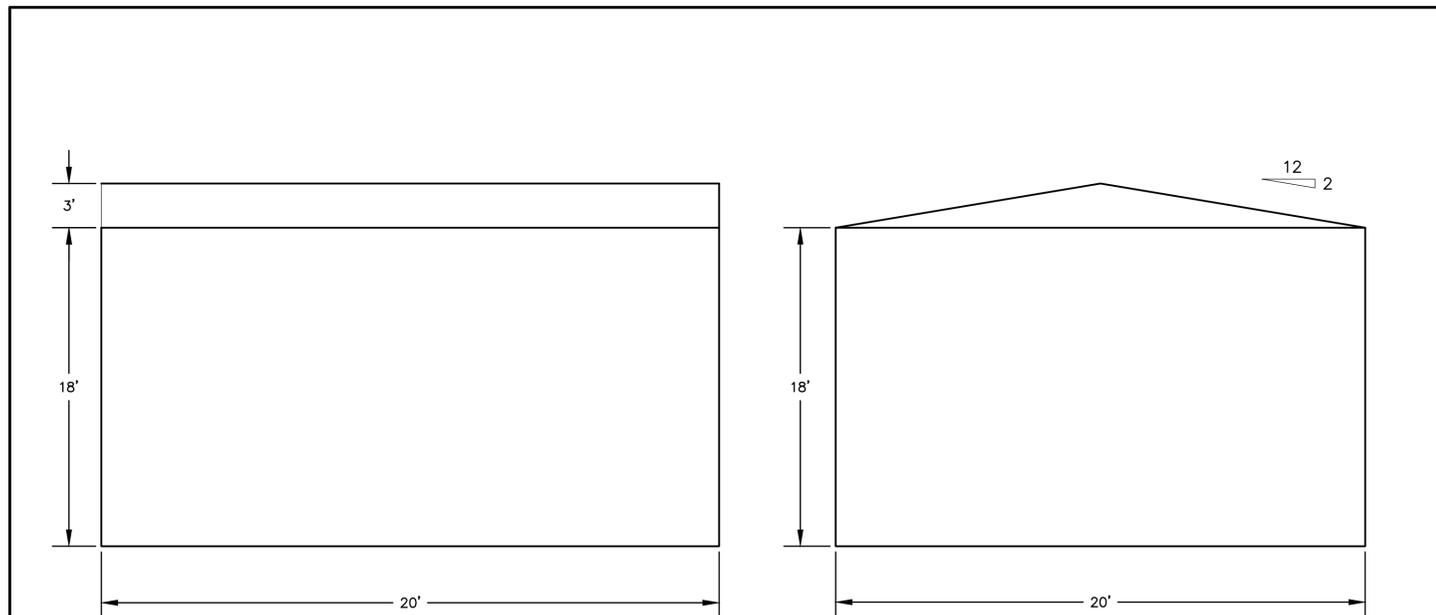
- NOTE:**
- ROCK CONSTRUCTION ENTRANCE SHOULD BE A MINIMUM THICKNESS OF 6" AND CONTAIN MAXIMUM SIDE SLOPES OF 4:1. ROCK ENTRANCE SHOULD BE INSPECTED AND MAINTAINED REGULARLY. ROCK ENTRANCE LENGTH MAY NEED TO BE EXTENDED IN CLAY SOILS.

Westwood ROCK CONSTRUCTION ENTRANCE LAST REVISED: 02/02/15 GD05



- NOTE:**
1. CHAIN-LINK FENCE ONLY TO BE USED ON PROJECT PERIMETERS NOT ADJACENT TO PUBLIC ROADS.
 2. FENCE AND GATE TYPE TO BE APPROVED BY OWNER PRIOR TO CONSTRUCTION.
 3. STRUCTURAL DESIGN TO BE PROVIDED BY FENCE SUPPLIER.
 4. DIMENSIONS AND INFORMATION SHOWN ABOVE ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS AND INFORMATION TO BE PROVIDED BY MANUFACTURER/SUPPLIER.

Westwood CHAIN-LINK SECURITY FENCE DETAIL (NOT TO SCALE) LAST REVISED: 08/04/16 FN01



- NOTE:**
1. NOT TO SCALE

Westwood O&M AND SCADA STRUCTURE ELEVATION LAST REVISED: 12/13/17 OM01

Designed: PDC
 Checked: MPG
 Drawn: PDC

Record Drawing by/date:

Revisions:

Prepared for:

IP Aramis, LLC

IP Aramis, LLC
 Alameda County, CA

Construction Details

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