



CONTRACT DRAWINGS
FOR THE CONSTRUCTION OF
**PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II (RE-BID)**

NEVADA COUNTY AIRPORT

**NEVADA COUNTY
STATE OF CALIFORNIA**

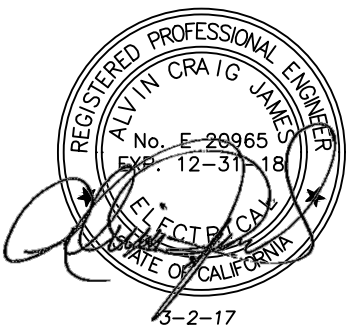
FAA PROJECT: 3-06-0095-TBD

C&S PROJECT: 095.001.001

MAY 2017



LOCATION MAP
NOT TO SCALE



TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF THE
PLANS AND SPECIFICATIONS FOR THIS PROJECT ARE IN
COMPLIANCE WITH THE BUILDING CODE OF THE STATE OF CALIFORNIA

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED
UNDER THE APPROVED REVISION PROCESS

Underground Service Alert






Call: TOLL FREE
"811"

TWO WORKING DAYS BEFORE YOU DIG

G-001

		1	2	
C		EXISTING RUNWAY/TAXIWAY CENTERLINE		EXISTING LIGHTED WIND CONE
		EXISTING AIRPORT PROPERTY LINE		EXISTING ELECTRICAL MANHOLE
		EXISTING AVIGATION EASEMENT BOUNDARY		EXISTING PULLBOX
		EXISTING ROADWAY BOUNDARY		EXISTING JUNCTION CAN
		EXISTING EDGE OF WATER		EXISTING CIRCUIT LABEL
		EXISTING WETLAND LOCATION		EXISTING AIRFIELD LIGHTING CABLE IN TRENCH
		EXISTING EDGE OF WOODS		EXISTING AIRFIELD LIGHTING CABLE IN CONDUIT
		EXISTING CONIFEROUS TREE		EXISTING DUCT BANK
		EXISTING DECIDUOUS TREE		EXISTING SURVEY BASELINE
		EXISTING CONTOUR LINE		EXISTING SURVEY BASELINE POINT
B		EXISTING FENCE LINE		EXISTING SURVEY CONTROL POINT
		EXISTING SINGLE SWING GATE		EXISTING BENCHMARK LOCATION
		EXISTING DOUBLE SWING GATE		IRON ROD FOUND
		EXISTING CANTILEVER GATE		PROPOSED UNDERGROUND ELECTRIC LINE
		EXISTING GUIDE RAIL		PROPOSED BOLLARD OR POST
		EXISTING STONE WALL		PROPOSED SILT FENCE LOCATION
		EXISTING DRAINAGE LINE		BARRICADE LOCATION WITH WORK AREA DESIGNATION
		EXISTING UNDERDRAIN		WORK AREA LIMITS
		EXISTING UNDERDRAIN CLEANOUT		
		EXISTING CATCH BASIN		
A		EXISTING DRAINAGE MANHOLE		
		EXISTING HEADWALL		
		EXISTING PIPE END SECTION		
		EXISTING WATER LINE		
		EXISTING HYDRANT		
		EXISTING WATER VALVE		
		EXISTING DOMESTIC WATER METER		
		EXISTING SANITARY LINE		
		EXISTING SANITARY MANHOLE		
		EXISTING WATER METER		
A1		EXISTING IRRIGATION VALVE		
		EXISTING WATER RISER/SPIGOT		
		EXISTING GAS LINE		
		EXISTING GAS VALVE		
		EXISTING GAS LINE MARKER		
		EXISTING UNDERGROUND TELEPHONE LINE		
		EXISTING OVERHEAD TELEPHONE LINE		
		EXISTING TELEPHONE JUNCTION BOX		
		EXISTING TELEPHONE MANHOLE		
		EXISTING UNDERGROUND ELECTRIC LINE		
A2		EXISTING OVERHEAD ELECTRIC LINE		
		EXISTING LIGHT POLE		
		EXISTING UTILITY POLE		
		EXISTING CONCRETE DUCT MARKER		
		EXISTING CONCRETE CABLE MARKER		
		EXISTING CONCRETE SPLICE MARKER		
		EXISTING BOLLARD OR POST		
		EXISTING TIE-DOWN		
		EXISTING SINGLE POST TRAFFIC SIGN		
		EXISTING DOUBLE POST TRAFFIC SIGN		
A3		EXISTING MONITORING WELL		
		EXISTING OBSERVATION WELL		
		EXISTING HOLDING POSITION LIGHT		
		EXISTING SURFACE SENSOR		
		EXISTING RETROREFLECTIVE MARKER		
		EXISTING AIRFIELD GUIDANCE SIGN		
		EXISTING REIL UNIT		
		EXISTING ELECTRICAL DISCONNECT		
		EXISTING TRANSFORMER		
		EXISTING WIND CONE		
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C	 <p>C&S COMPANIES®</p> <p>C&S Engineers, Inc.</p> <p>8950 Cal Center Drive, Suite 112 Sacramento, California 95826 Phone: 916-364-1470 www.cscos.com</p>						
	 <p><i>Jessica L. Bryan</i></p> <p>...5-2-17...</p>						
							
	<p>PERIMETER FENCE & GATE SYSTEM UPGRADES, PHASE II</p> <p>NEVADA COUNTY AIRPORT NEVADA COUNTY</p>						
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<p>SHEET INDEX, LEGEND AND QUANTITIES</p>							
<p>G-002</p>							

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GENERAL NOTES

NOT TO SCALE

1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE GENERAL PROVISIONS SECTION 80-11, "WORK AREA, STORAGE AREA AND SEQUENCE OF OPERATIONS".
2. THESE DRAWINGS HAVE BEEN PREPARED, IN PART, BASED UPON RECORD DRAWINGS AND/OR CAD FILES FURNISHED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THOSE UTILIZING THE INFORMATION ON THESE DRAWINGS ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY PURPOSE.
3. EXISTING UTILITIES WERE TAKEN FROM PLANS OF RECORD. THEY HAVE BEEN SHOWN TO THE EXTENT KNOWN AND ARE OFFERED IN GOOD FAITH SOLELY FOR INFORMATIONAL PURPOSES. THEY MAY NOT REFLECT ACTUAL LOCATIONS AND MAY NOT BE INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.
4. THE ACTUAL LOCATION AND ELEVATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
5. IN THE EVENT OF DAMAGE TO EXISTING UTILITIES OR CABLES, THE ENGINEER AND AIRPORT SHALL BE NOTIFIED IMMEDIATELY.
6. THE CONTRACTOR SHALL REPAIR ALL DAMAGE TO UTILITIES OR CABLES, AS DIRECTED BY THE ENGINEER, IMMEDIATELY AND AT THE CONTRACTOR'S EXPENSE.
7. ALL AREAS DISTURBED AS A RESULT OF THE CONTRACTOR'S STAGING AND CONSTRUCTION OPERATIONS SHALL BE RESTORED TO ORIGINAL CONDITION OR AS DIRECTED BY OWNER AT THE CONTRACTOR'S EXPENSE.
8. ALL DIRT, DUST, STONES AND LOOSE DEBRIS SHALL BE CONTINUOUSLY REMOVED FROM ALL PAVED SURFACES DURING THIS CONTRACT.
9. THE CONTRACTOR SHALL MAINTAIN EXISTING ACCESS ROADS AS REQUIRED FOR ACCESS TO THE WORK AREAS AT THE APPROXIMATE LOCATION SHOWN.
10. ALL OF THE CONTRACTOR'S OPERATIONS SHALL REMAIN ON AIRPORT PROPERTY AT ALL TIMES. UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE ALLOWED ON ADJACENT PROPERTY, UNLESS SPECIFIC AUTHORIZATION IS GIVEN TO THE CONTRACTOR BY THE PROPERTY OWNER.
11. THIS CONTRACT DOES NOT ALLOW FOR PRICE INCREASES DUE TO ESCALATION IN COST OF UNIT BID ITEMS. THE CONTRACTOR SHALL TAKE THIS INTO CONSIDERATION WHEN PREPARING UNIT PRICES FOR BID.
12. SELECTIVE GRADING SHALL BE REQUIRED AS DIRECTED BY THE ENGINEER.
13. ALL SPOIL SHALL BE DISPOSED OF OFF-SITE AT THE CONTRACTORS EXPENSE, UNLESS OTHERWISE INDICATED ON THESE PLANS.
14. ALL SPOIL MATERIAL WHICH IS SUITABLE FOR EMBANKMENT AND EXCESS TOPSOIL SHALL BE DISPOSED OF ON AIRPORT PROPERTY AS SHOWN ON THE CONTRACT DRAWINGS, UNLESS OTHERWISE DIRECTED BY AIRPORT STAFF. SPOIL MATERIAL WHICH IS NOT SUITABLE FOR EMBANKMENT SHALL BE DISPOSED OF OFF AIRPORT PROPERTY.
15. EMBANKMENTS SHALL BE CONSTRUCTED WITH SUITABLE ON-SITE MATERIAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
16. THE COST OF MEASURES AND PRACTICES FOR COMPLIANCE WITH POLLUTION, EROSION, AND SILTATION CONTROL SUCH AS AIR POLLUTION PREVENTION, WATER POLLUTION PREVENTION, TEMPORARY SEEDING, TEMPORARY MULCHING, CONSTRUCTION ROAD STABILIZATION, DUST CONTROL, PROTECTING VEGETATION, AND EROSION AND SILTATION CONTROL PRACTICES DUE TO THE CONTRACTOR'S MEANS AND METHODS, SHALL BE INCLUDED IN ITEM P-156 UNDER PAYMENT FOR "COMPLIANCE WITH POLLUTION, EROSION AND SILTATION CONTROL".
17. ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES AND MATERIALS SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION OPERATIONS AND SHALL BE MAINTAINED UNTIL THE NEW SLOPES ARE STABILIZED WITH SEEDING AND/OR SLOPE PROTECTION.
18. ALL ELEVATIONS REFER TO NAVD 88 VERTICAL DATUM. COORDINATES REFER NAD 83 HORIZONTAL DATUM.
19. THE BOUNDARY FEATURES SHOWN HEREON WERE COMPILED FROM KPFF ENGINEERS RECORD OF SURVEY MAP, RECORDED MARCH 29, 2016 IN BOOK 16 OF SURVEYS, PAGE 14.
20. THE TOPOGRAPHIC FEATURES SHOWN HEREON WERE COMPILED FROM FIELD SURVEY PERFORMED BY REY ENGINEERS DATED MAY 2015.
21. ABANDONED CABLES MAY EXIST IN THE VICINITY OF THE PROPOSED WORK. IF ENCOUNTERED, CONTRACTOR SHALL VERIFY THAT THEY ARE ABANDONED PRIOR TO REMOVAL. IF THEY ARE NOT ABANDONED, CABLES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
22. ITEMS OF SPECIFIC MANUFACTURE SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND OR MANUFACTURER'S REPRESENTATIVE DIRECTIONS.
23. PAYMENT FOR ALL GATE ELECTRICAL WORK IS INCIDENTAL TO GATE PAY ITEMS.
24. PRIOR TO BID, VERIFY WITH OWNER THAT EXISTING ELECTRICAL PANELS THAT ARE TO SERVE GATE OPERATORS ARE FULLY OPERATIONAL AND THAT PHYSICAL SPACE IS AVAILABLE IN PANELS TO ACCOMMODATE CIRCUIT BREAKERS AS SPECIFIED ON PLANS.
25. FIELD VERIFY LOCATION OF ALL GATE EQUIPMENT (GOOSENECKS, OPERATOR, PAD, ETC.) WITH OWNER AND ENGINEER PRIOR TO INSTALLATION.
26. ALL AUTOMATIC VEHICLE CARDS SHALL PROGRAMMED FOR AND ACCESS AT ALL THREE NEW AUTOMATIC VEHICLE GATES.
27. IN ADDITION TO CONTACTING UNDERGROUND SERVICE ALERT, CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING A PRIVATE UTILITY LOCATER TO IDENTIFY ADDITIONAL UTILITIES WITHIN THE PROJECT VICINITY. THIS IS A NON-PAY ITEM AND WILL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF WORK.

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Jessica L. Snyder

REGISTERED PROFESSIONAL ENGINEER

STATE OF CALIFORNIA

CIVIL

No. C 69571.2

EXP. 6-30-18

5-2-17

COUNTY OF NEVADA

CALIFORNIA

PERIMETER FENCE & GATE SYSTEM

UPGRADES, PHASE II

NEVADA COUNTY AIRPORT

NEVADA COUNTY

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: O95.001.001		
DATE: MAY 2017		
DRAWN BY: GT		
DESIGNED BY: GT		
CHECKED BY: JLB		

GENERAL NOTES

G-003

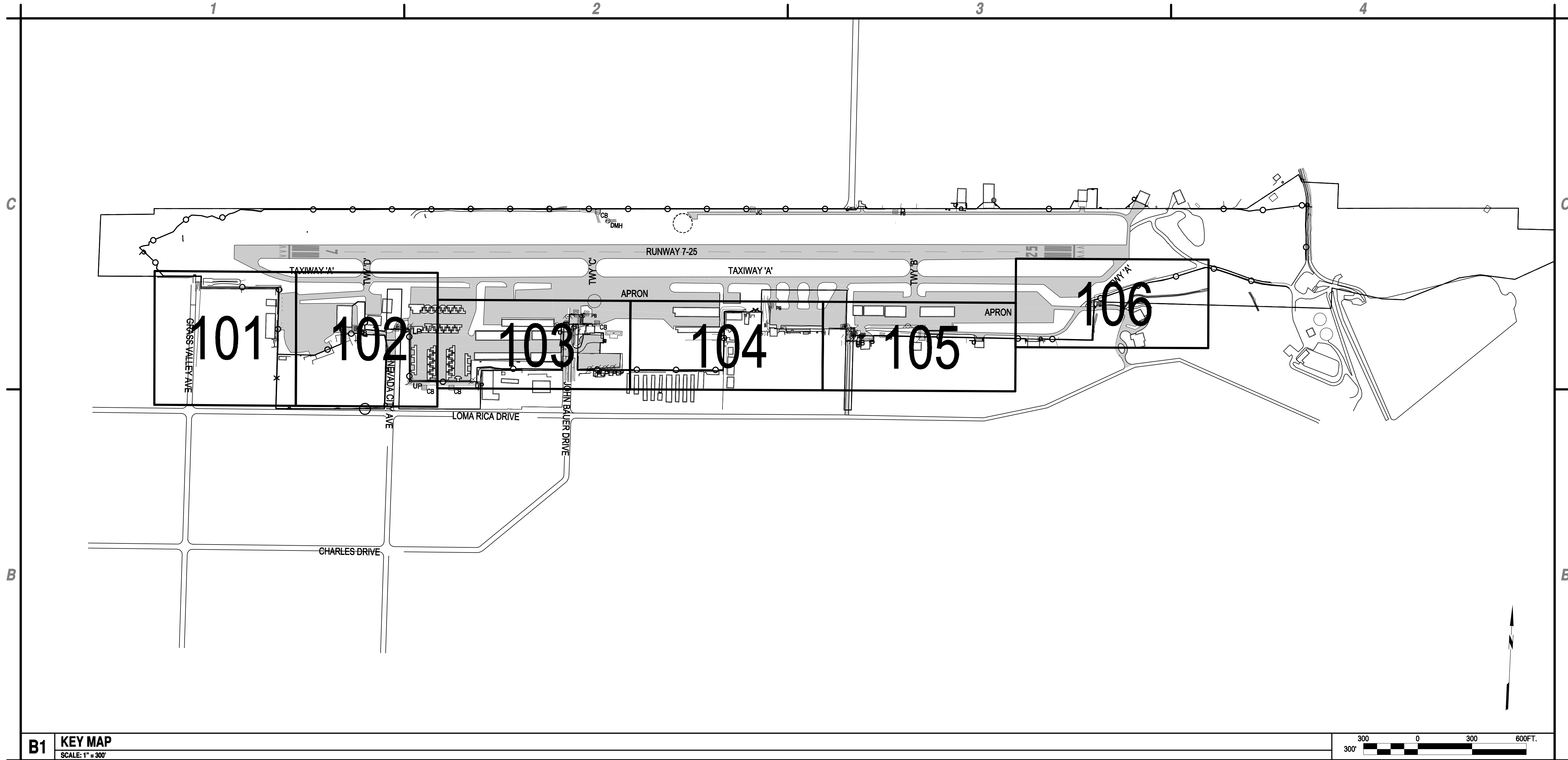
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Perimeter Fence Project\Design Plt

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B1

KEY MAP
SCALE: 1" = 300'



A1

NOT USED
SCALE: NOT TO SCALE

A3

NOT USED
SCALE: NOT TO SCALE



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Jessica L. Bryan
5-2-17



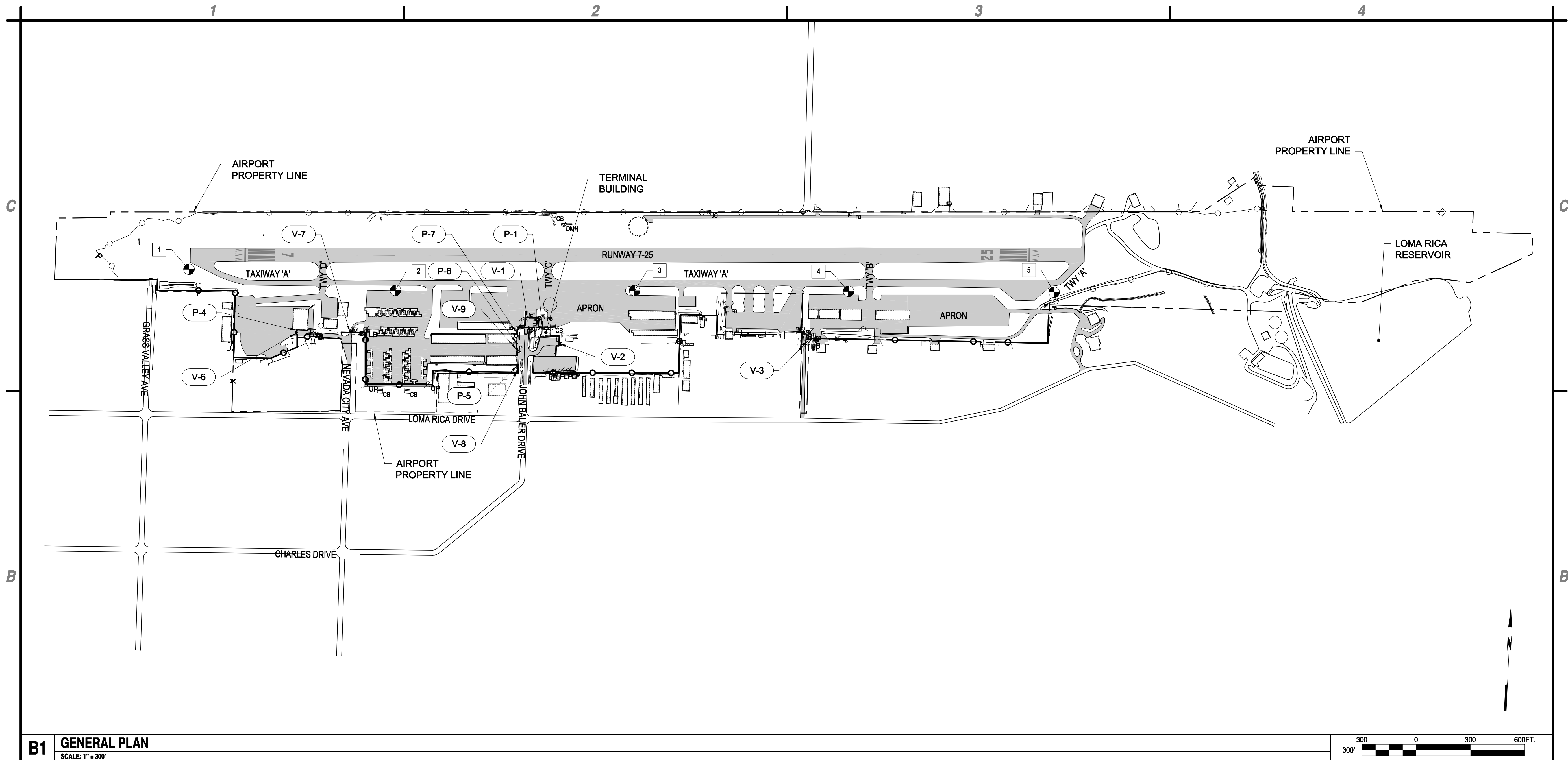
**PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II**
NEVADA COUNTY AIRPORT
NEVADA COUNTY

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KEY MAP

G-100

May 02, 2017 - 1:20pm
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PROJECT CONTROL POINTS					
NO.	POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	100	2208927.004	6841594.270	3062.949	SET RBPC REY CONTROL
2	101	2208875.294	6842740.902	3087.225	SET RBPC REY CONTROL
3	102	2208950.136	6844061.292	3113.903	SET RBPC REY CONTROL
4	103	2209014.397	6845242.509	3141.193	SET RBPC REY CONTROL
5	104	2209075.405	6846377.749	3151.285	SET RBPC REY CONTROL

NOTE: CONTRACTOR SHALL PROTECT ALL CONTROL POINTS. IF DISTURBED, MINIMUM CHARGE FOR REPLACEMENT SHALL BE \$10,000 PER POINT LOCATION.

TOPOGRAPHIC SURVEY WAS PERFORMED BY REY ENGINEERS IN MAY, 2015.


GATE #	TYPE
V-1	CANTILEVER VEHICLE (A)
V-2	DOUBLE SWING MANUAL (M)
V-3	CANTILEVER VEHICLE (A)
V-6	DOUBLE SWING VEHICLE (M)
V-7	CANTILEVER VEHICLE (A)
V-8	DOUBLE SWING VEHICLE (M)
V-9	DOUBLE SWING VEHICLE (M)

GATE #	TYPE
P-1	PRE-HUNG PEDESTRIAN
P-4	PRE-HUNG PEDESTRIAN
P-5	PRE-HUNG PEDESTRIAN
P-6	PRE-HUNG PEDESTRIAN
P-7	PRE-HUNG PEDESTRIAN




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EXP. 6-30-18
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STATE OF CALIFORNIA
5-2-17



COUNTY OF NEVADA
CALIFORNIA

**PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II**

**NEVADA COUNTY AIRPORT
NEVADA COUNTY**

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GENERAL PLAN

G-101

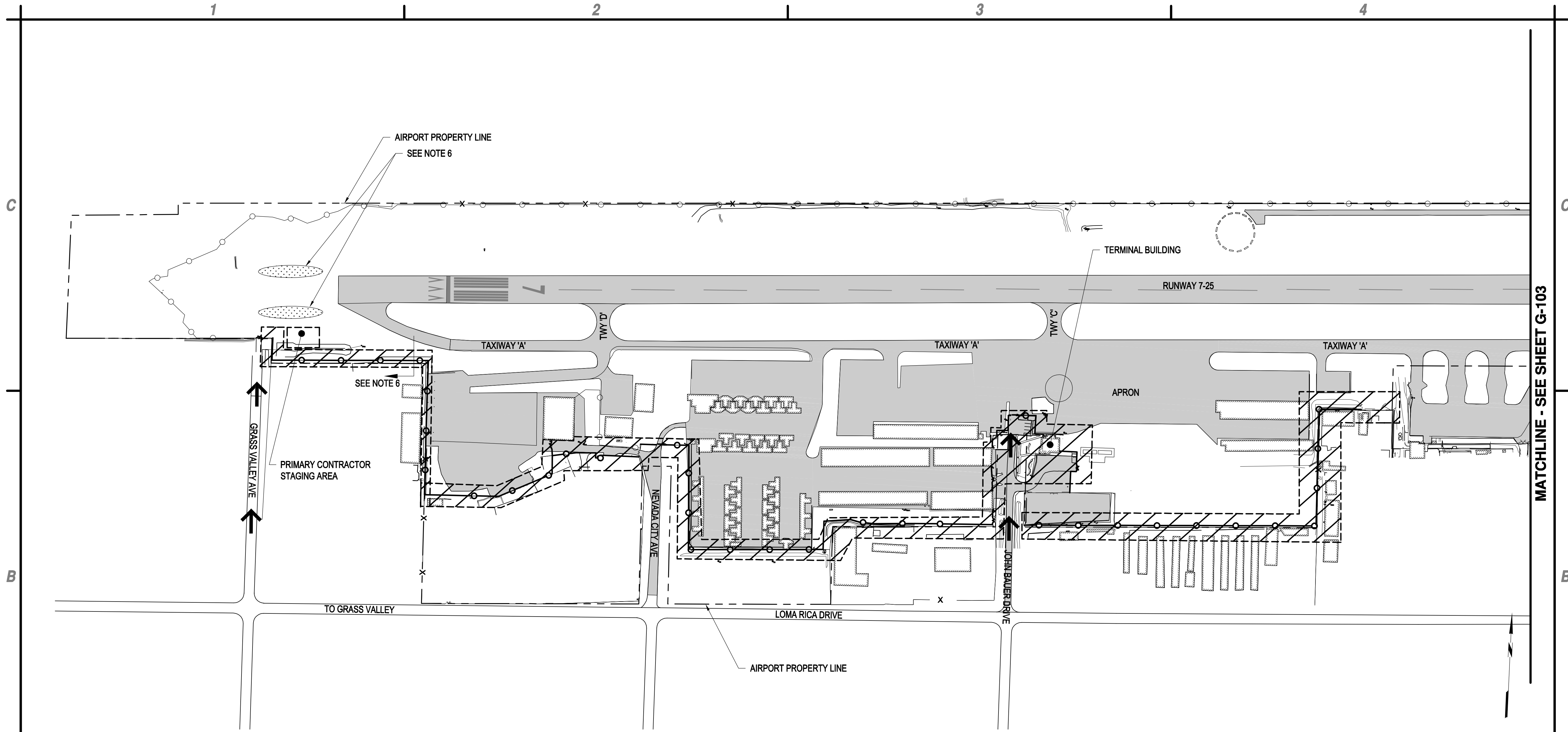
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A1 CONTROL POINTS

SCALE: NOT TO SCALE

A3 GATE SCHEDULE

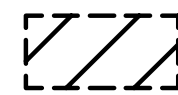
SCALE: NOT TO SCALE



B1 CONSTRUCTION SAFETY PHASING PLAN
SCALE: 1" = 150'

NOTES:

1. CONTRACTOR SHALL SECURE ALL GAPS IN FENCE. AT NO TIME SHOULD THERE BE AN UNATTENDED GAP IN THE FENCE.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL BUILDINGS AND RESIDENTIAL HOMES TO THEIR RESPECTIVE OWNERS AT ALL TIMES.
3. CONSTRUCTION ACCESS ROAD AND STAGING AREA SHALL BE RETURNED TO ITS PREVIOUS OR BETTER CONDITION AFTER PROJECT COMPLETION BY THE CONTRACTOR.
4. CONTRACTOR IS TO USE ALL SECURITY MEASURES WHILE USING EXISTING GATE ACCESS PER CONTRACT DOCUMENTS. SEE CONTRACT SPECIFICATIONS, SECTION 80 FOR SAFETY AND SECURITY MEASURES.
5. CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL EXISTING SITE CONDITIONS TO ITS PREVIOUS OR BETTER CONDITION FOLLOWING CONSTRUCTION COMPLETION.
6. CONTRACTOR MAY PLACE VEGETATION SPOILS AT THESE LOCATIONS. HOWEVER, THESE LOCATIONS ARE ONLY FOR SPOILS RESULTING FROM CONSTRUCTION IN THE VICINITY. ALL OTHER VEGETATION SPOILS FROM THE REST OF THE PROJECT SHALL BE DISPOSED OFF-SITE UNLESS OTHERWISE DIRECTED BY AIRPORT PERSONNEL. USE EXTREME CAUTION AND MONITOR AIR TRAFFIC FREQUENCY WHEN WORKING IN THIS AREA.
7. ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.



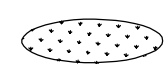
WORK AREA LIMITS



PROPOSED DIRECTION OF CONSTRUCTION TRAFFIC



STAGING AREA



VEGETATION SPOILS AREA

A1 NOTES
SCALE: NOT TO SCALE

A3 LEGEND
SCALE: NOT TO SCALE

A4 NOT USED
SCALE: NOT TO SCALE



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Jessica L. L.
5-2-17



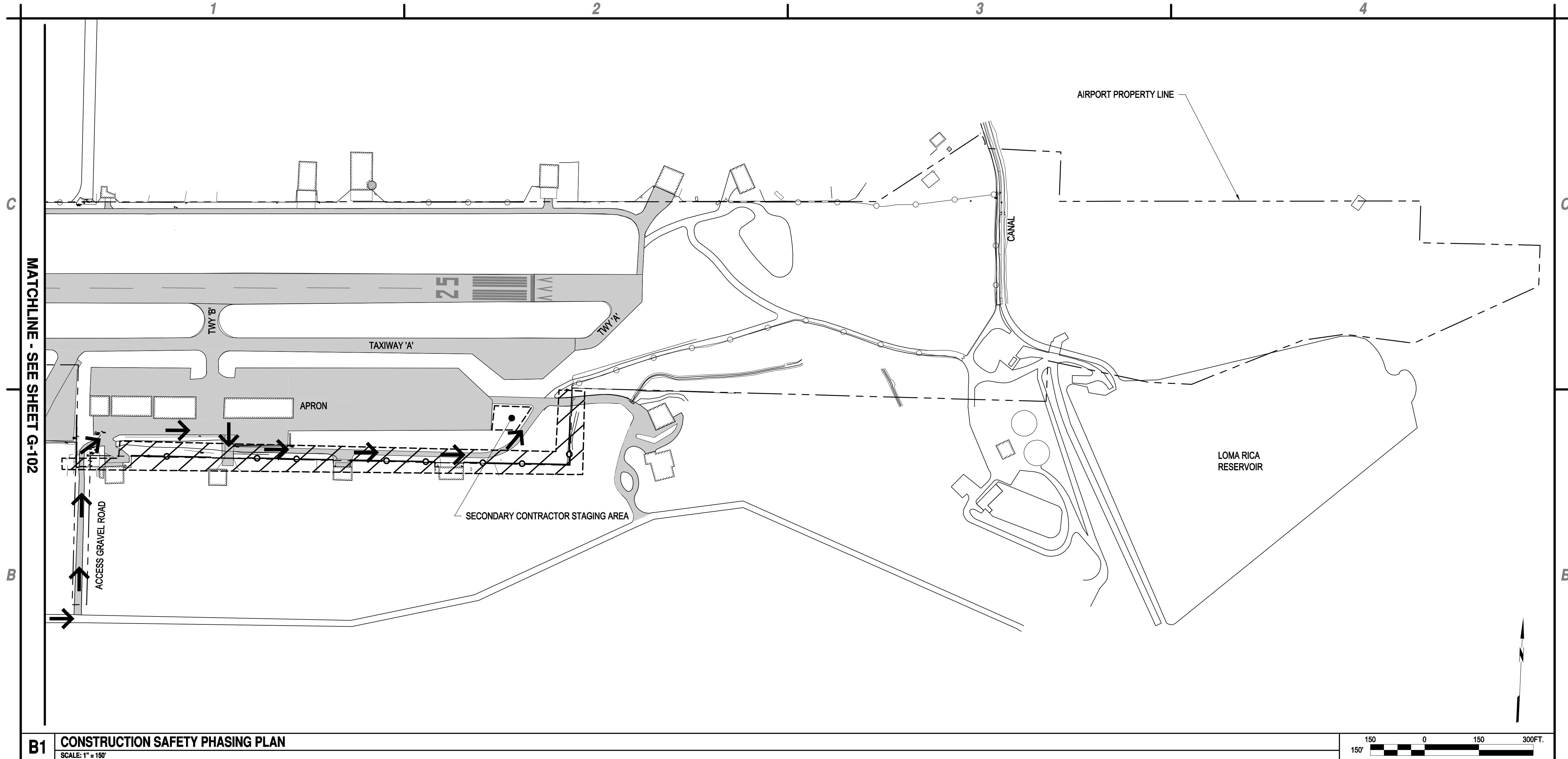
**PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II**
NEVADA COUNTY AIRPORT
NEVADA COUNTY

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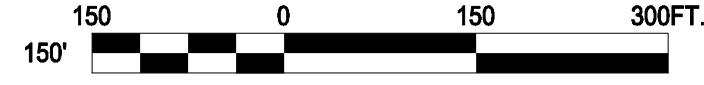
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PROJECT NO: 095.001.001		
DATE: MAY 2017		
DRAWN BY: MCN		
DESIGNED BY: GT		
CHECKED BY: JLB		

**CONSTRUCTION
SAFETY
PHASING PLAN**

G-102



B1 CONSTRUCTION SAFETY PHASING PLAN
SCALE: 1" = 150'



A1

NOT USED
SCALE: NOT TO SCALE

A2

NOT USED
SCALE: NOT TO SCALE

A3

LEGEND
SCALE: NOT TO SCALE

WORK AREA LIMITS

PROPOSED DIRECTION OF CONSTRUCTION TRAFFIC

STAGING AREA

A4

NOTES
SCALE: NOT TO SCALE

NOTES:

- CONTRACTOR SHALL SECURE ALL GAPS IN FENCE. AT NO TIME SHOULD THERE BE AN UNATTENDED GAP IN THE FENCE.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL BUILDINGS AND RESIDENTIAL HOMES TO THEIR RESPECTIVE OWNERS AT ALL TIMES.
- CONSTRUCTION ACCESS ROAD AND STAGING AREA SHALL BE RETURNED TO ITS PREVIOUS CONDITION OR BETTER AFTER PROJECT COMPLETION BY THE CONTRACTOR.
- CONTRACTOR IS TO USE ALL SECURITY MEASURES WHILE USING EXISTING GATE ACCESS PER CONTRACT DOCUMENTS.
- CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL EXISTING SITE CONDITIONS TO ITS PREVIOUS CONDITION OR BETTER FOLLOWING CONSTRUCTION COMPLETION.
- CONTRACTOR TO USE CAUTION WHEN DRIVING ALONG APRON AND TAXIWAY AS THERE ARE LOW PROFILE EDGE LIGHTS.
- ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.

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PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II

NEVADA COUNTY AIRPORT
NEVADA COUNTY

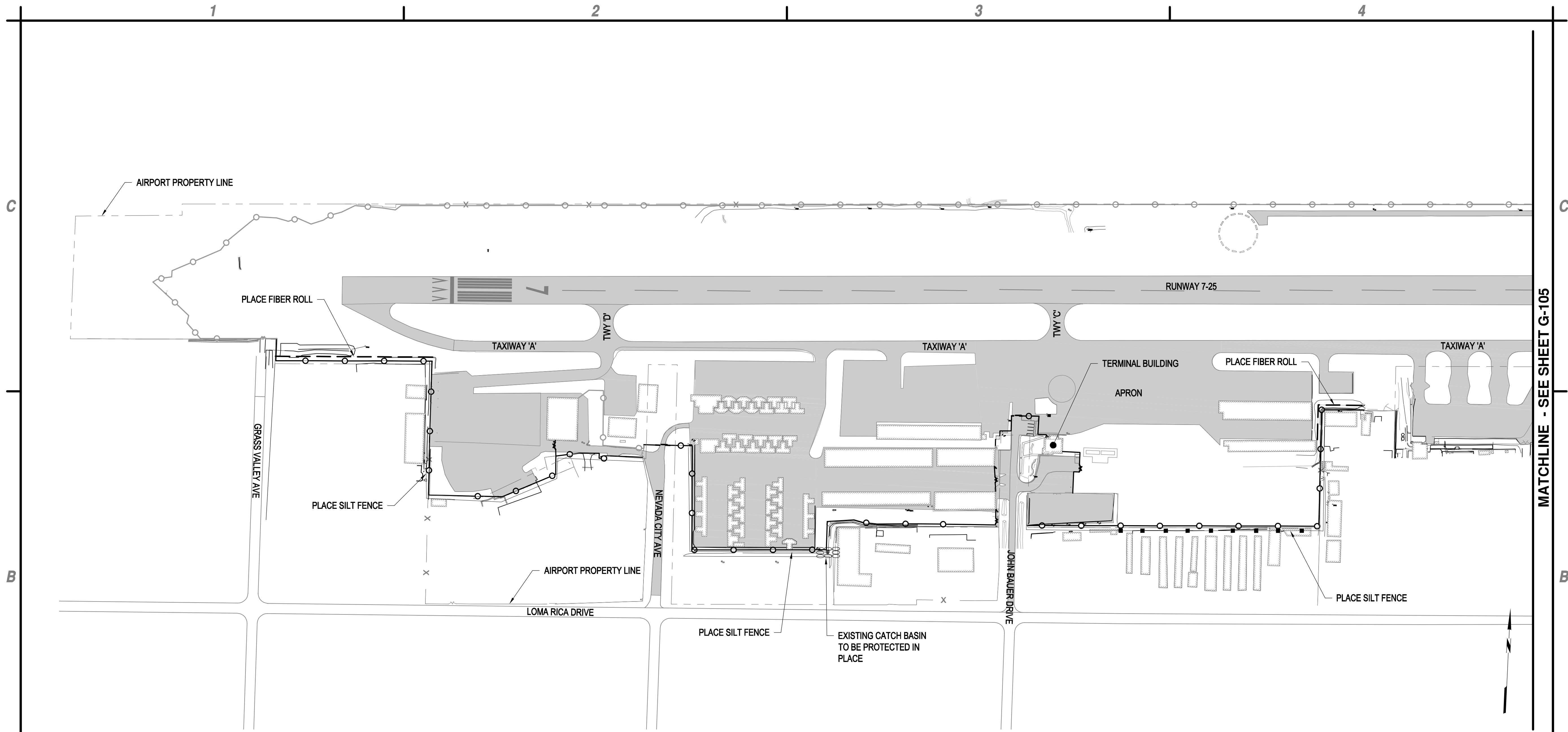
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CONSTRUCTION
SAFETY
PHASING PLAN

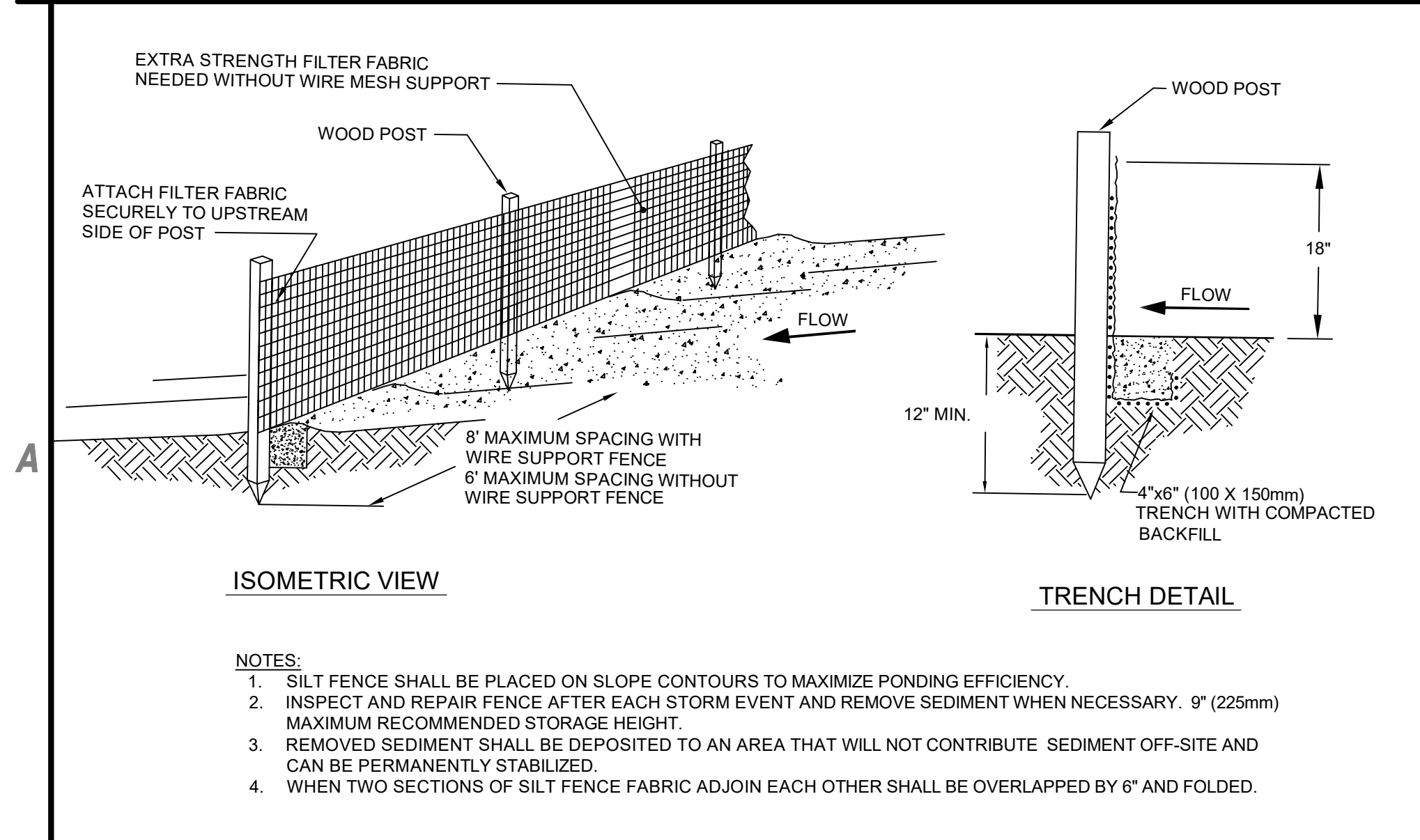
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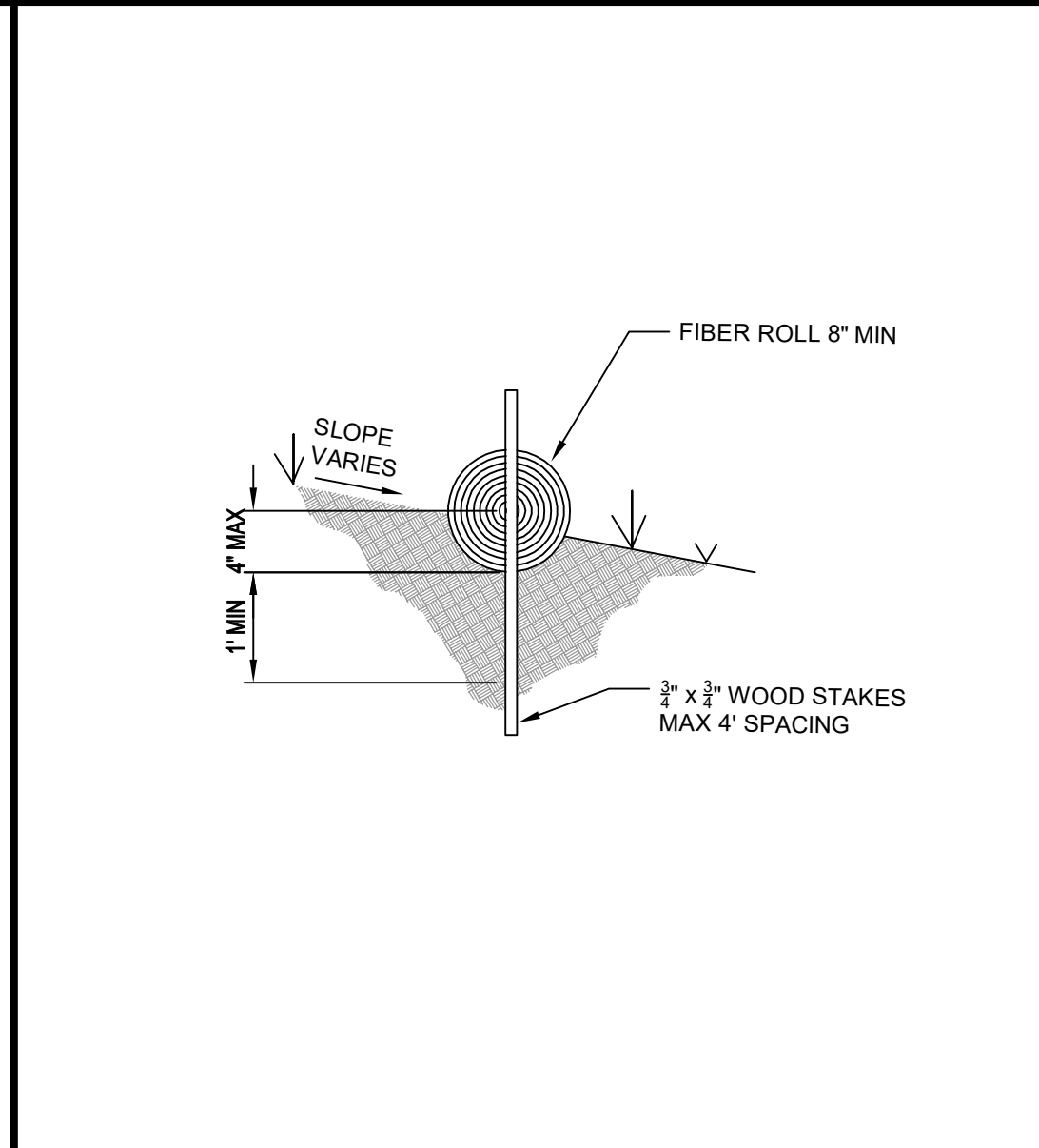
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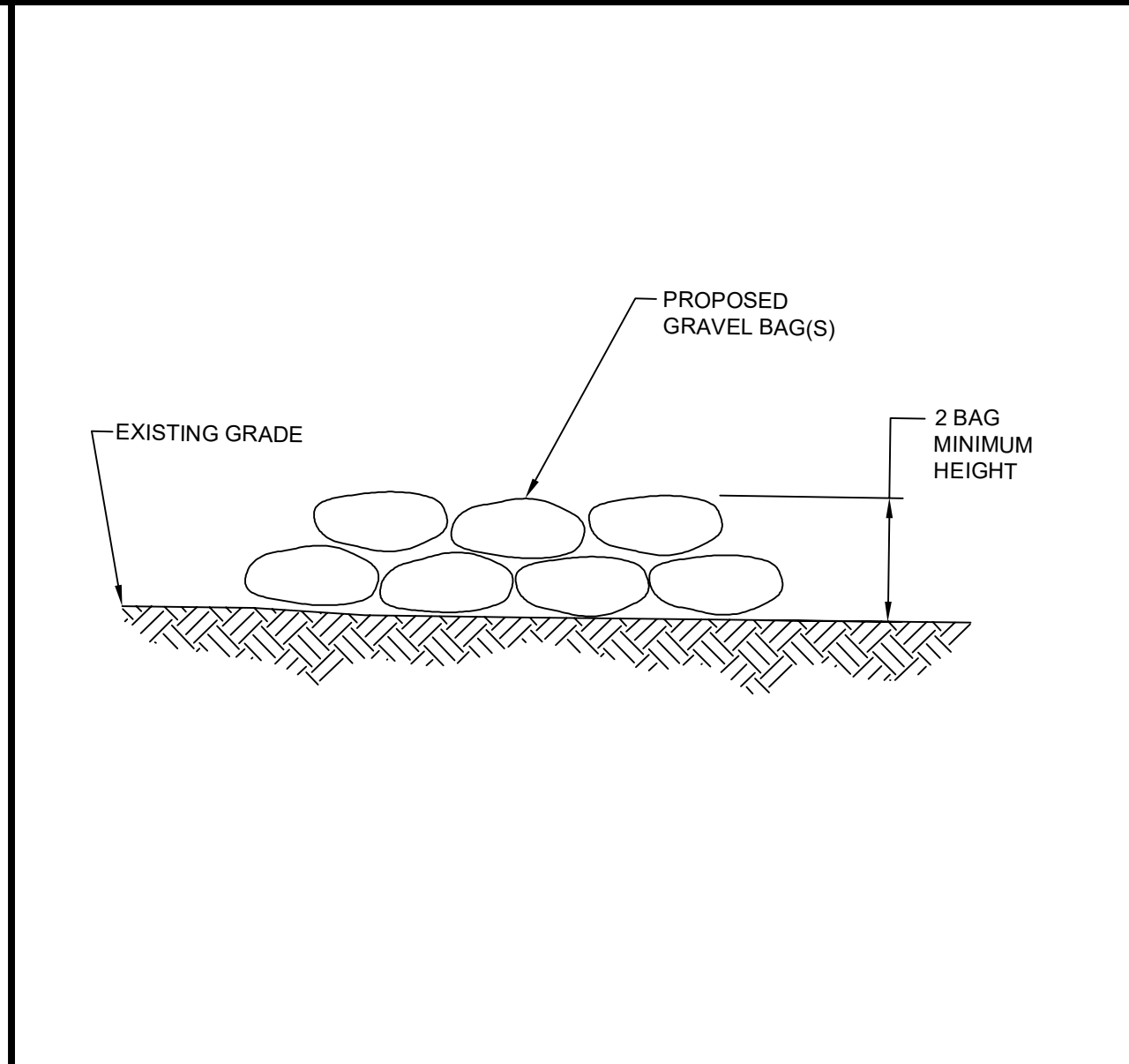
B1 BOUNDARY PLAN
SCALE: 1" = 150'



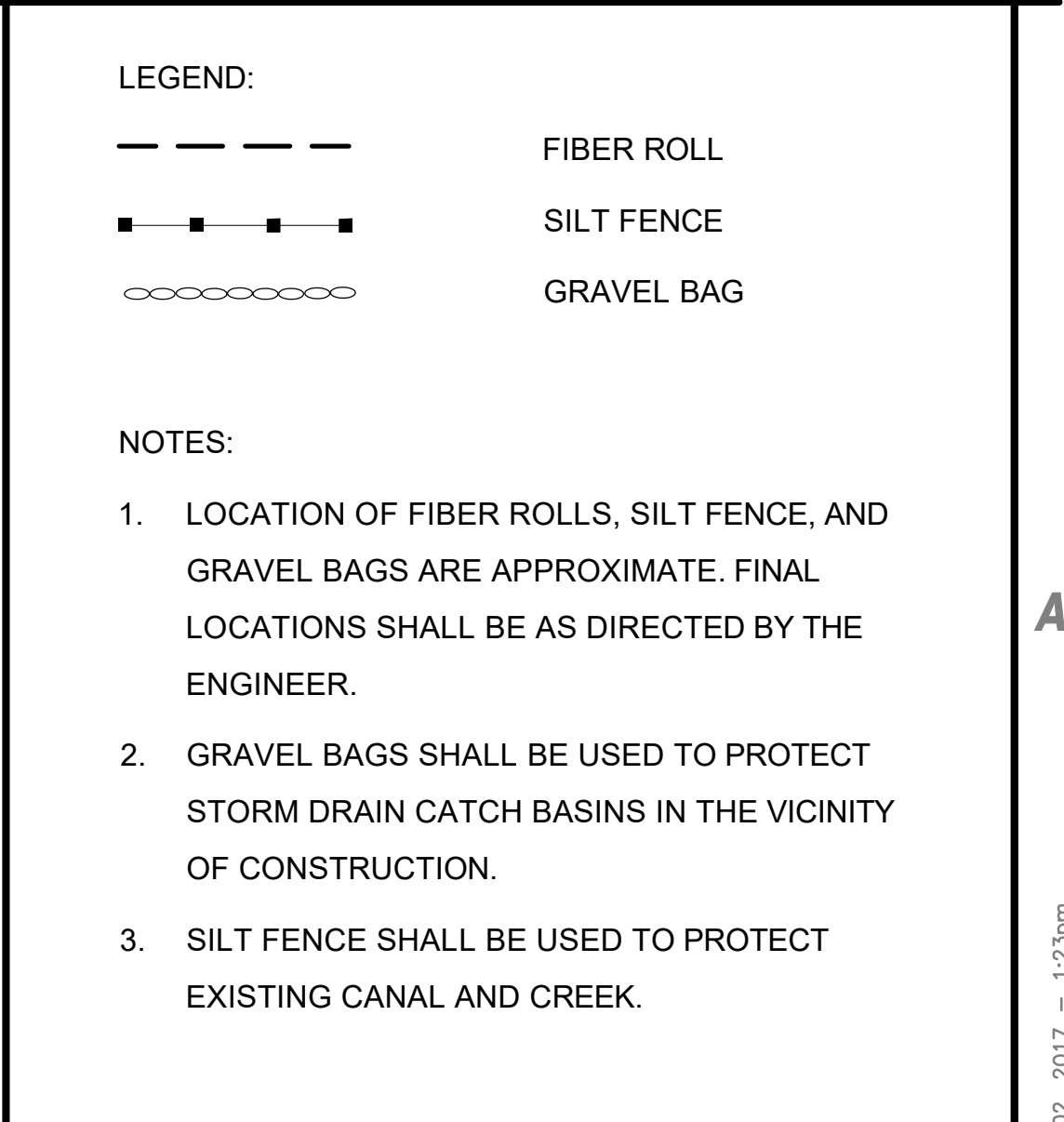
A1 SILT FENCE DETAIL
SCALE: NOT TO SCALE



A2 FIBER ROLL DETAIL
SCALE: NOT TO SCALE



A3 GRAVEL BAG DETAIL
SCALE: NOT TO SCALE



A4 LEGEND AND NOTES
SCALE: NOT TO SCALE

MATCHLINE - SEE SHEET G-105

May 02, 2017 - 1:23pm Nevada County, CA\095.001.001 Erosion Control Plan.dwg

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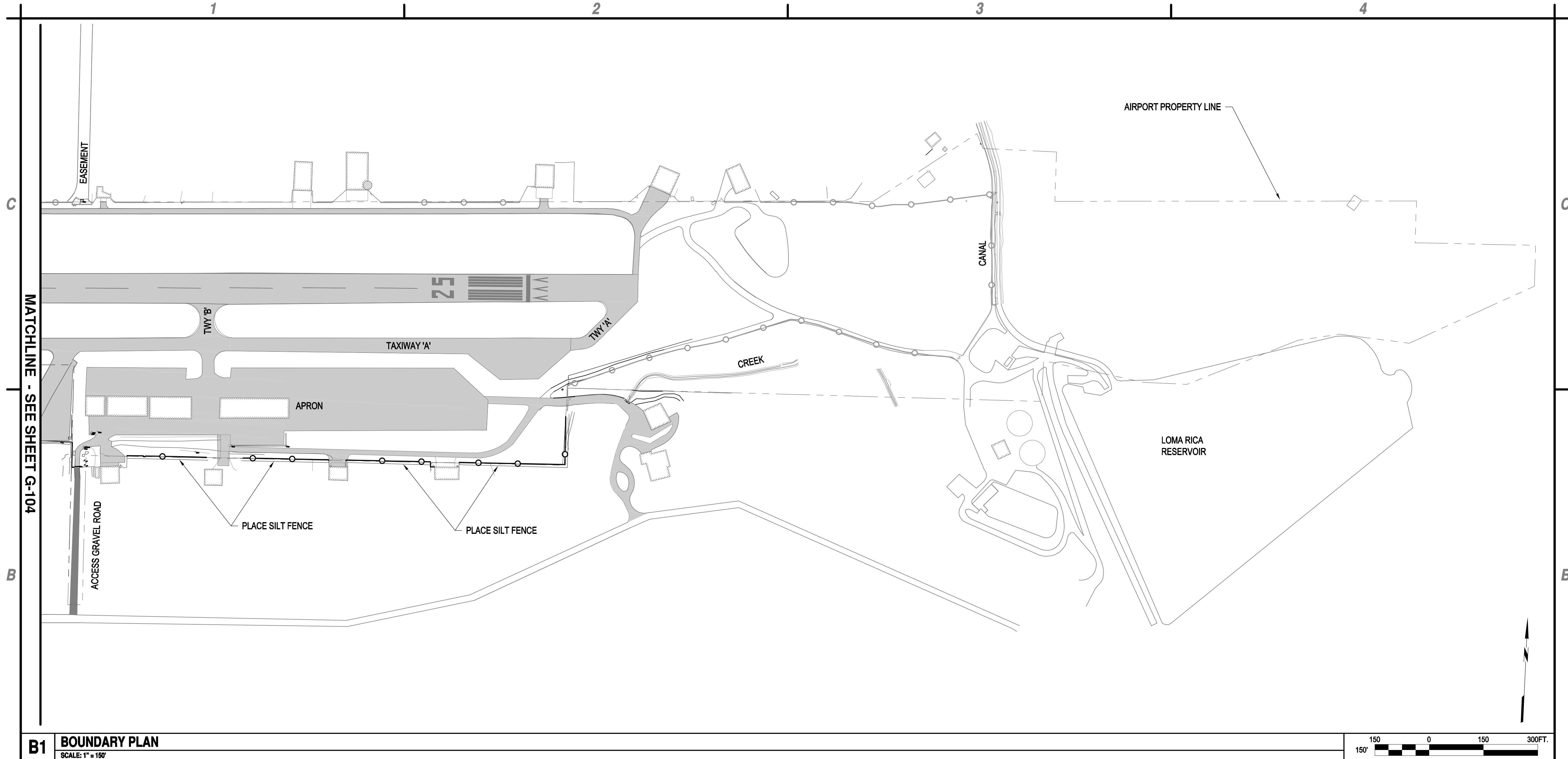
REGISTERED PROFESSIONAL ENGINEER
JESSICA L. LYNCH
No. C 69571 Z
EXP. 6-30-18
CIVIL
STATE OF CALIFORNIA
5-2-17



**PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II**
NEVADA COUNTY AIRPORT
NEVADA COUNTY

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 095.001.001		
DATE: MAY 2017		
DRAWN BY: C.J.G.		
DESIGNED BY: GT		
CHECKED BY: JLB		

**EROSION CONTROL
PLAN**

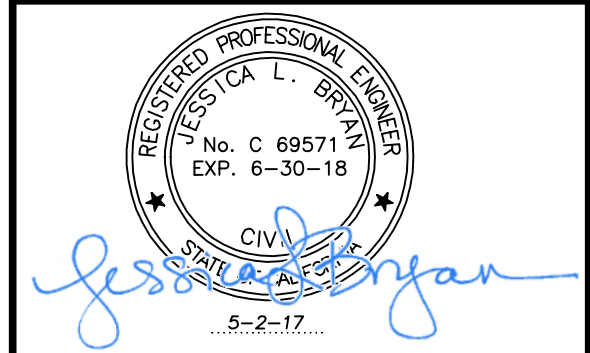


- LEGEND:
- FIBER ROLL
 - SILT FENCE
 - GRAVEL BAG

- NOTES:
1. LOCATION OF FIBER ROLLS, SILT FENCE, AND GRAVEL BAGS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE AS DIRECTED BY THE ENGINEER.
 2. GRAVEL BAGS SHALL BE USED TO PROTECT STORM DRAIN CATCH BASINS IN THE VICINITY OF CONSTRUCTION.
 3. SILT FENCE SHALL BE USED TO PROTECT EXISTING CANAL AND CREEK.



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PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II

NEVADA COUNTY AIRPORT

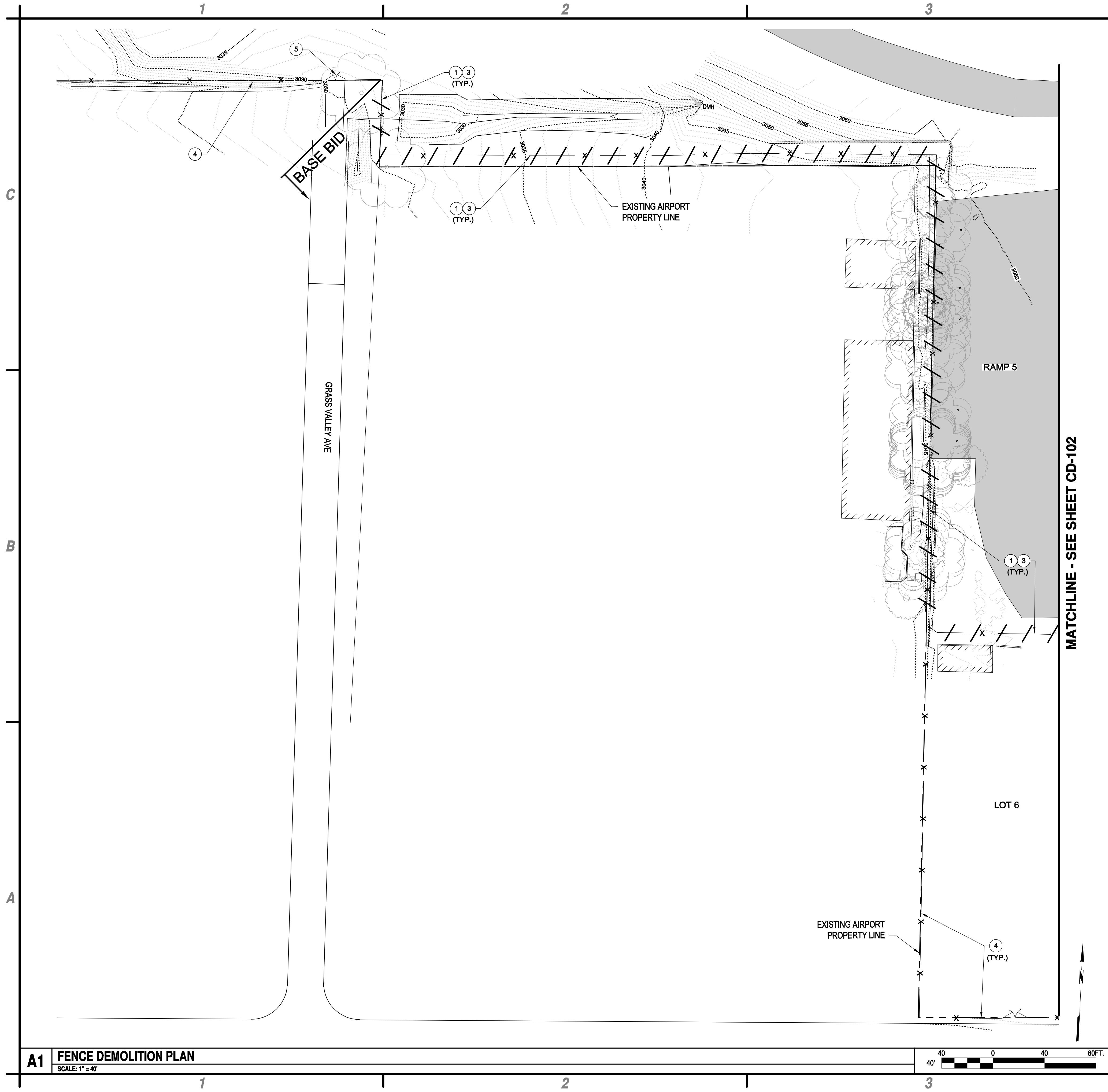
NEVADA COUNTY

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: O95.001.001		
DATE: MAY 2017		
DRAWN BY: C/JG		
DESIGNED BY: GT		
CHECKED BY: JLB		

EROSION CONTROL
PLAN

G-105

May 02, 2017 - 1:24pm
P:\Projects\095 Nevada County, CA\095.001.001 Perimeter Fence Project\Design Plt\095.005.001_2_G-104-105 EROSION CONTROL.dwg



1. CONTRACTOR TO SURVEY AND STAKE ENTIRE PROPERTY LINE PRIOR TO DEMOLITION.
2. ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.

Underground Service Alert



Call: TOLL FREE
"811"

TWO WORKING DAYS BEFORE YOU DIG

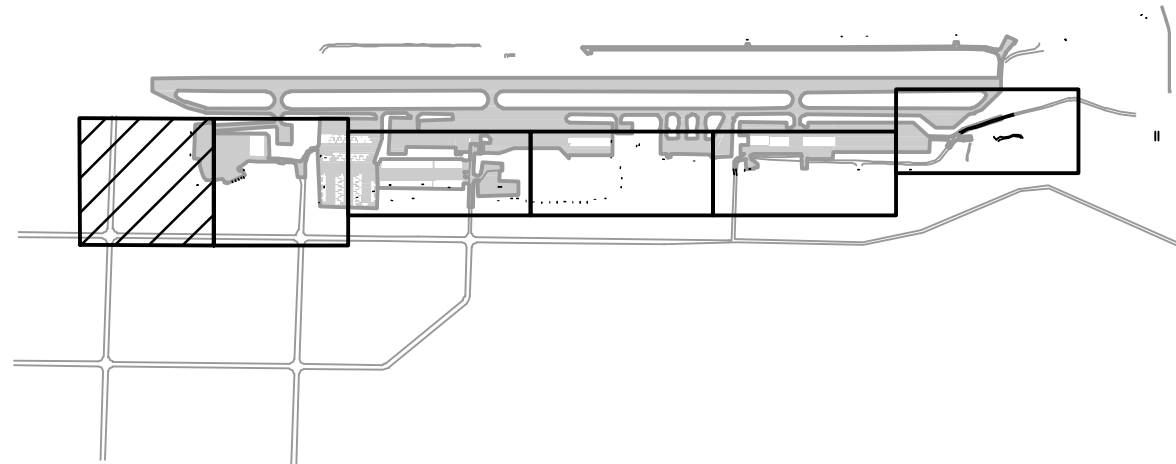
C4 GENERAL NOTES

SCALE: NOT TO SCALE

- 1 REMOVE EXISTING FENCING AND GATES, FENCE CONCRETE FOOTINGS, BACKFILL AND COMPACT HOLES, DISPOSE OF ALL WASTE OFF-SITE. LIMITS OF FENCING REMOVAL.
- 3 CLEAR AND GRUB PER DETAIL C1, SHEET C-502.
- 4 EXISTING FENCING TO REMAIN.
- 5 EXISTING GATE TO REMAIN.

B4 KEYED NOTES

SCALE: NOT TO SCALE



A1 FENCE DEMOLITION PLAN

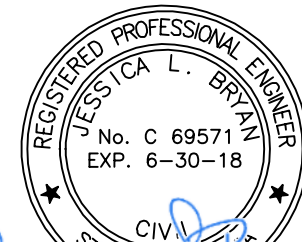
SCALE: 1" = 40'

A4 KEY MAP

SCALE: NOT TO SCALE



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Jessica L. L.

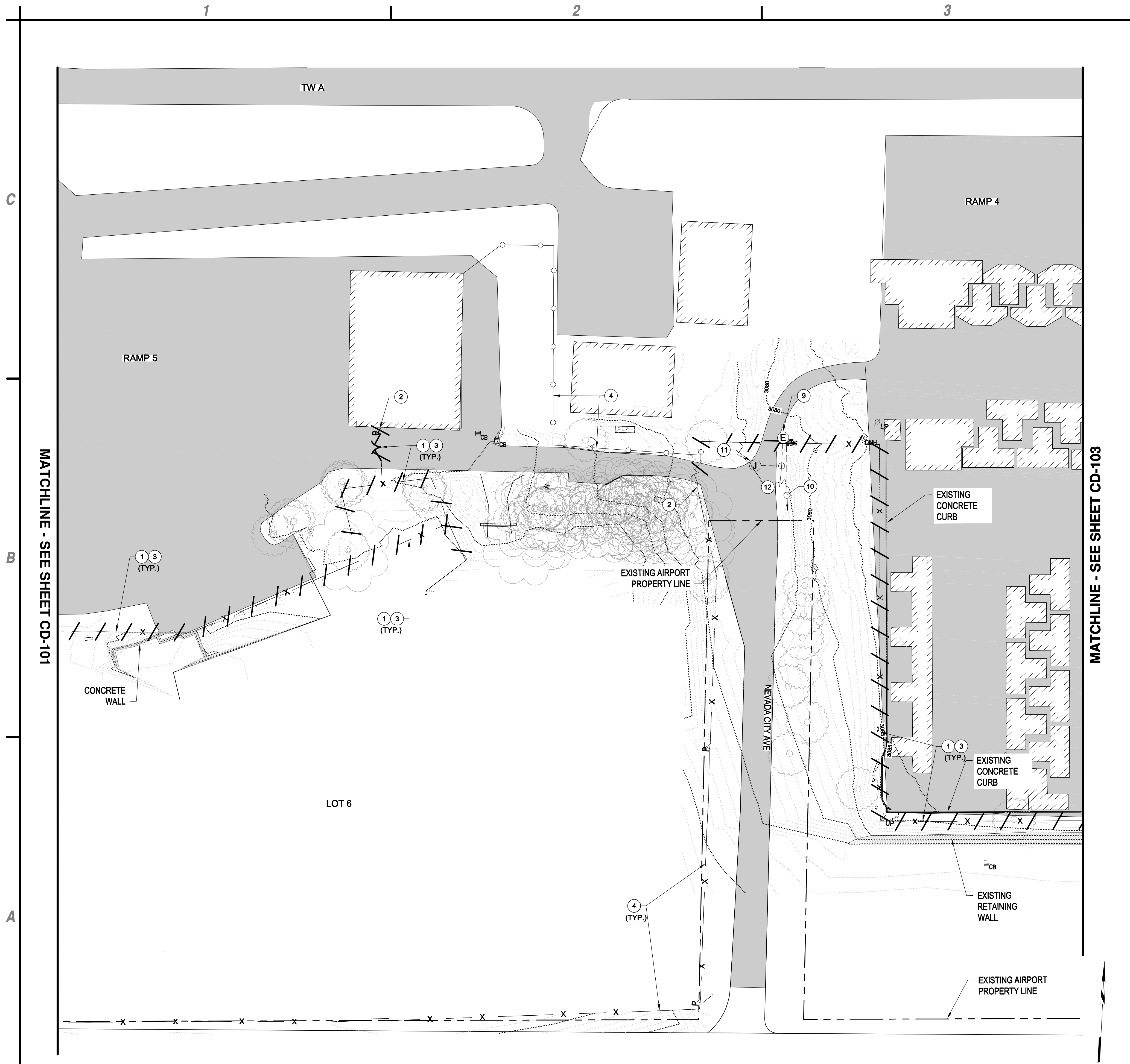


PERIMETER FENCE & GATE SYSTEM UPGRADES, PHASE II NEVADA COUNTY AIRPORT NEVADA COUNTY

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: O95.001.001		
DATE: MAY 2017		
DRAWN BY: GT		
DESIGNED BY: GT		
CHECKED BY: JLB		

FENCE DEMOLITION PLAN

CD-101



A1 FENCE DEMOLITION PLAN
SCALE: 1" = 40'

1. CONTRACTOR TO SURVEY AND STAKE ENTIRE PROPERTY LINE PRIOR TO DEMOLITION.
2. ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.

Underground Service Alert



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"811"

TWO WORKING DAYS BEFORE YOU DIG

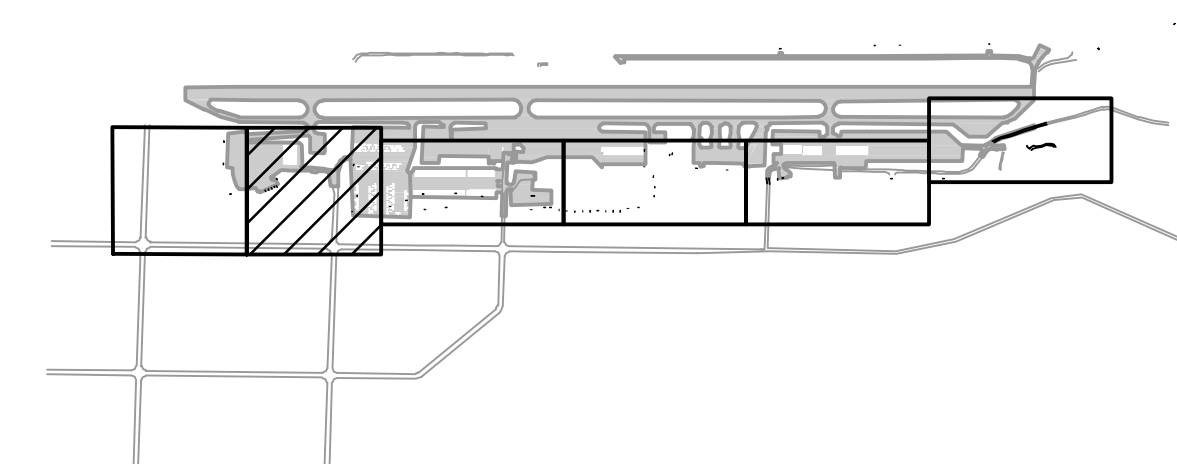
C4 GENERAL NOTES

SCALE: NOT TO SCALE

- 1 REMOVE EXISTING FENCING AND GATES, FENCE CONCRETE FOOTINGS, BACKFILL AND COMPACT HOLES, DISPOSE OF DEMO WASTE OFF-SITE. LIMITS OF FENCING REMOVAL.
- 2 LIMITS OF FENCING REMOVAL.
- 3 CLEAR AND GRUB PER DETAIL C1, SHEET C-502.
- 4 EXISTING FENCING TO REMAIN.
- 9 REMOVE EXISTING GATE OPERATOR AND ELECTRICAL AND CONTROL CONNECTIONS TO OPERATOR. REMOVAL SHALL INCLUDE ANY LOCAL DISCONNECTING MEANS PRESENT.
- 10 REMOVE GATE OPERATOR BRANCH CIRCUIT CONDUCTORS AND CONDUIT BACK TO BRANCH CIRCUIT PANEL. REMOVE EXISTING GATE OPERATOR CIRCUIT BREAKER FROM PANEL.
- 11 REMOVE EXISTING GATE ACCESS CARD READER AND ALL ELECTRICAL AND CONTROL CONNECTIONS TO CARD READER.
- 12 REMOVE ALL EXISTING ACCESS CONTROL CABLES AND CONDUIT.

B4 KEYED NOTES

SCALE: NOT TO SCALE

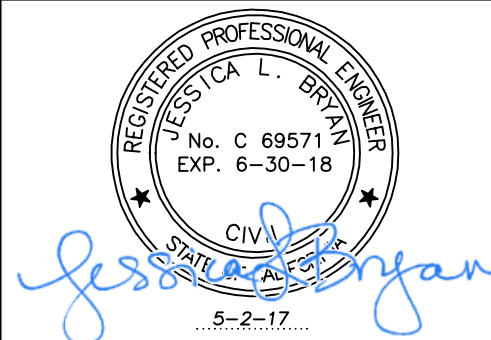


A4 KEY MAP

SCALE: NOT TO SCALE



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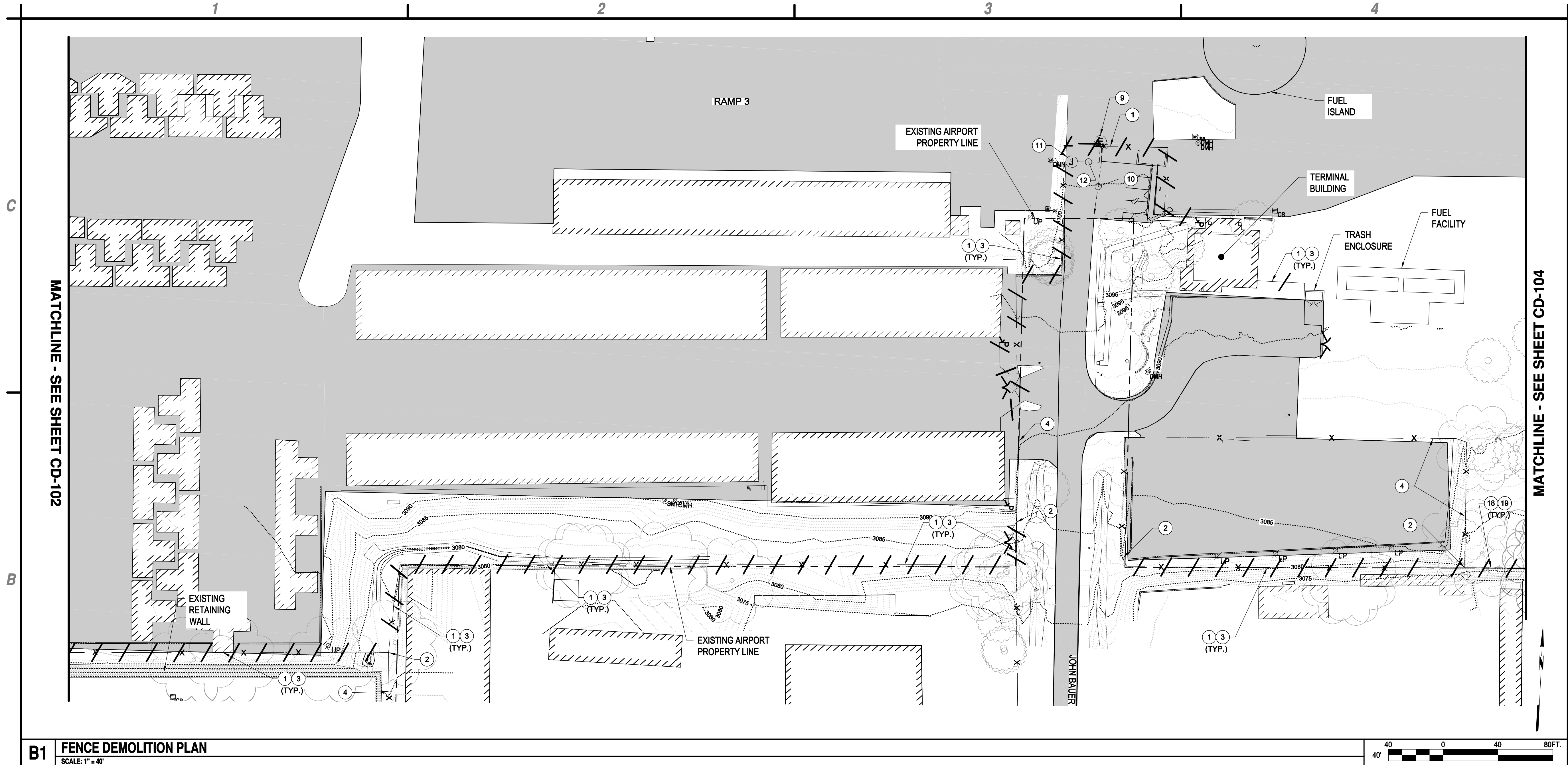


**PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II**
NEVADA COUNTY AIRPORT
NEVADA COUNTY

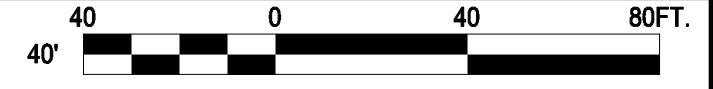
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: O95.001.001		
DATE: MAY 2017		
DRAWN BY: GT		
DESIGNED BY: GT		
CHECKED BY: JLB		

**FENCE
DEMOLITION
PLAN**

CD-102



B1 FENCE DEMOLITION PLAN
SCALE: 1" = 40'



Underground Service Alert

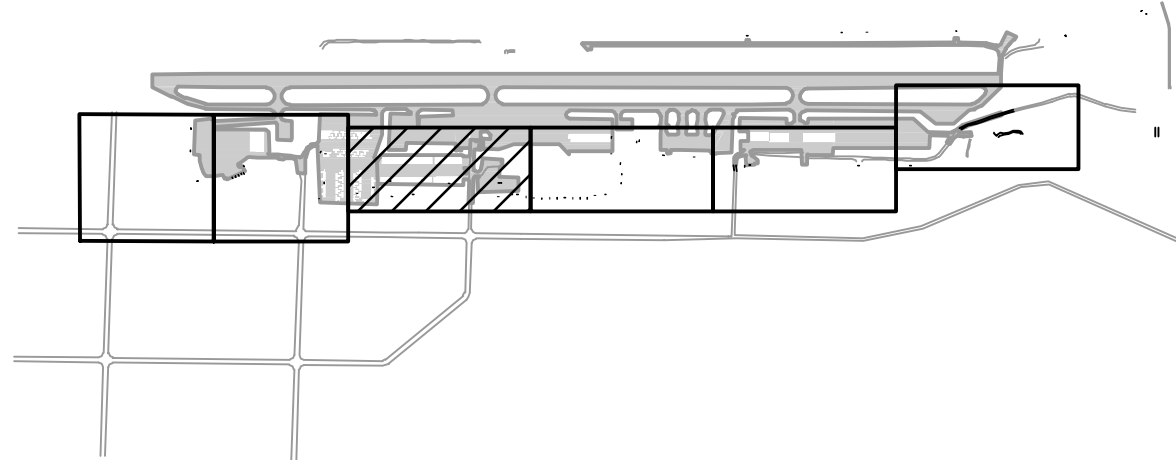


Call: TOLL FREE
"811"

TWO WORKING DAYS BEFORE YOU DIG

1. CONTRACTOR TO SURVEY AND STAKE ENTIRE PROPERTY LINE PRIOR TO DEMOLITION.
2. ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.

- 1 REMOVE EXISTING FENCING AND GATES, FENCE CONCRETE FOOTINGS, BACKFILL AND COMPACT HOLES, DISPOSE OF ALL WASTE OFF-SITE.
- 2 LIMITS OF FENCING REMOVAL.
- 3 CLEAR AND GRUB PER DETAIL C1, SHEET C-502.
- 4 EXISTING FENCING TO REMAIN.
- 9 REMOVE EXISTING GATE OPERATOR AND ELECTRICAL AND CONTROL CONNECTIONS TO OPERATOR. REMOVAL SHALL INCLUDE ANY LOCAL DISCONNECTING MEANS PRESENT.
- 10 REMOVE GATE OPERATOR BRANCH CIRCUIT CONDUCTORS AND CONDUIT BACK TO BRANCH CIRCUIT PANEL. REMOVE EXISTING GATE OPERATOR CIRCUIT BREAKER FROM PANEL.
- 11 REMOVE EXISTING GATE ACCESS CARD READER AND ALL ELECTRICAL AND CONTROL CONNECTIONS TO CARD READER.
- 12 REMOVE ALL EXISTING ACCESS CONTROL CABLES AND CONDUIT.
- 18 EXISTING SEDIMENT DAM AT TOP OF SLOPE TO REMAIN.
- 19 CUT EXISTING FENCE POLES 2" ABOVE EXISTING SEDIMENT DAM AND PLACE NEW BALL CAPS ON TOP OF THE REMAINING POLES.



A2 GENERAL NOTES
SCALE: NOT TO SCALE

A3 KEYED NOTES
SCALE: NOT TO SCALE

A4 KEY MAP
SCALE: NOT TO SCALE



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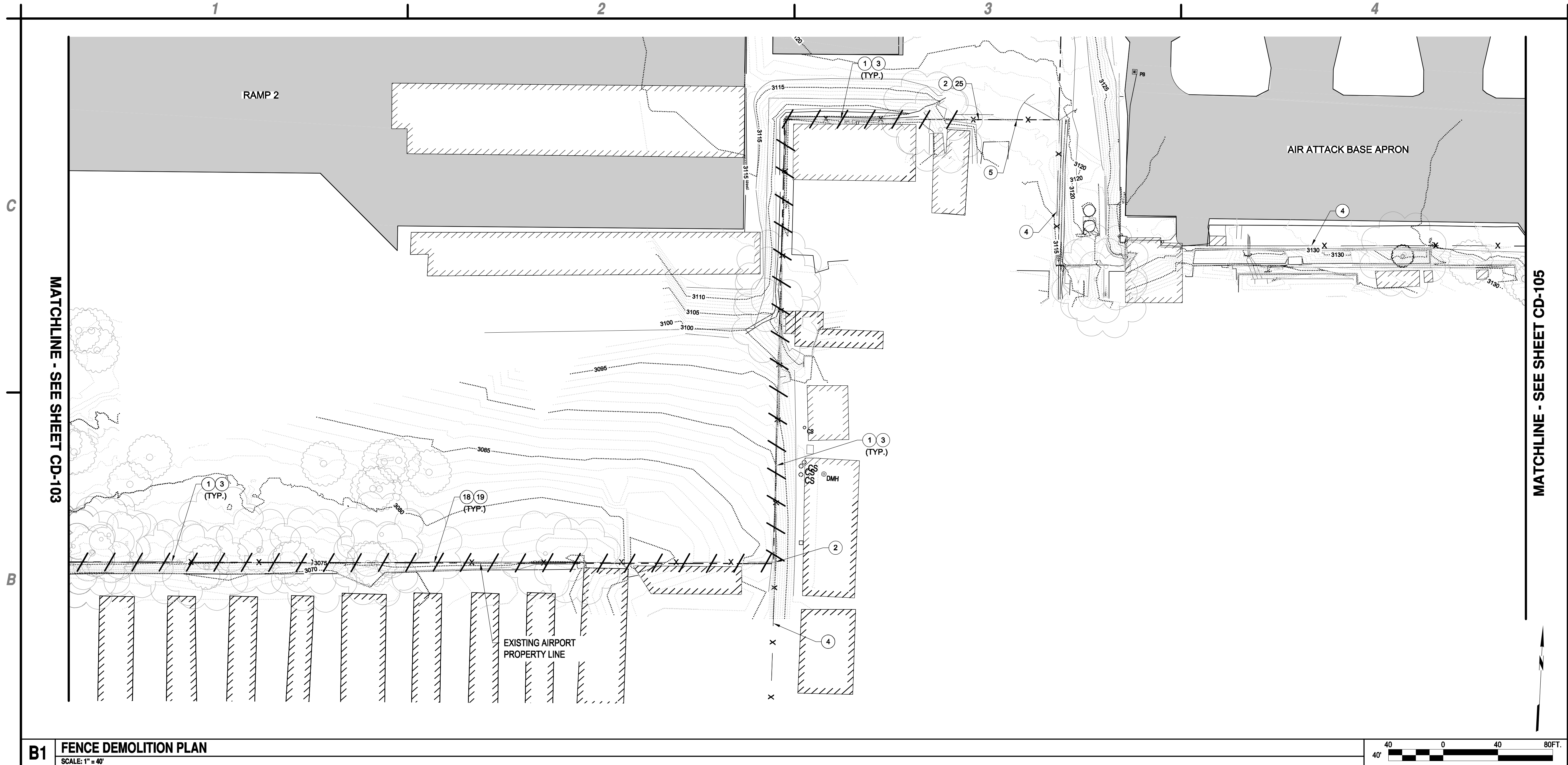


**PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II**
NEVADA COUNTY AIRPORT
NEVADA COUNTY

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: O95.001.001		
DATE: MAY 2017		
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CHECKED BY: JLB		

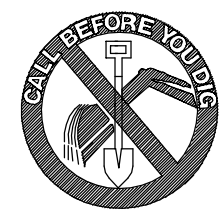
**FENCE
DEMOLITION
PLAN**

CD-103



B1 FENCE DEMOLITION PLAN
SCALE: 1" = 40'

Underground Service Alert

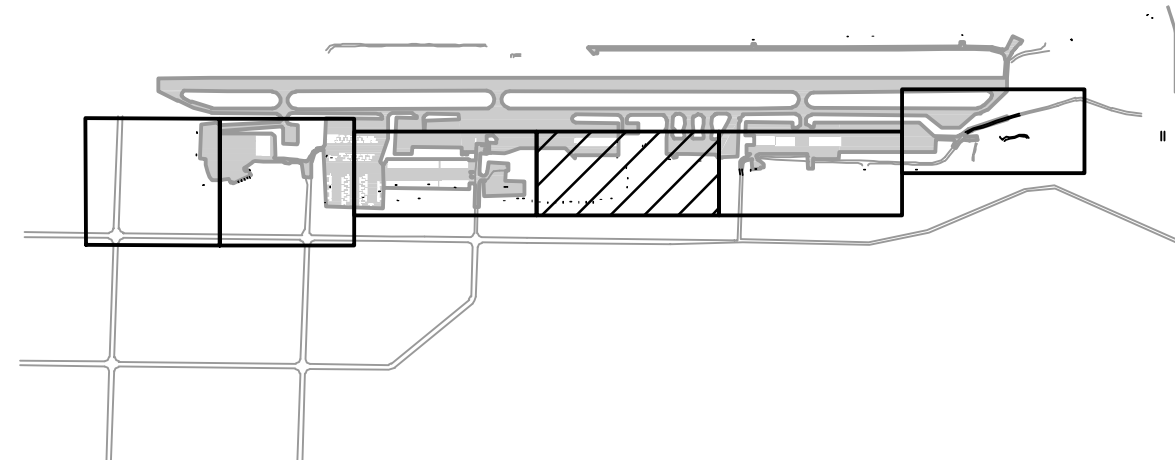


Call: TOLL FREE
"811"

TWO WORKING DAYS BEFORE YOU DIG

1. CONTRACTOR TO SURVEY AND STAKE ENTIRE PROPERTY LINE PRIOR TO DEMOLITION.
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- 2 LIMITS OF FENCING REMOVAL
- 3 CLEAR AND GRUB PER DETAIL C1, SHEET C-502.
- 4 EXISTING FENCING TO REMAIN.
- 5 EXISTING GATE TO REMAIN.
- 18 EXISTING SEDIMENT DAM AT TOP OF SLOPE TO REMAIN.
- 19 CUT EXISTING FENCE POLES 2" ABOVE EXISTING SEDIMENT DAM AND PLACE NEW BALL CAPS ON TOP OF THE REMAINING POLES.
- 25 END FENCE REMOVAL AT NEAREST GATE POST.



A2 GENERAL NOTES
SCALE: NOT TO SCALE

A3 KEYED NOTES
SCALE: NOT TO SCALE

A4 KEY MAP
SCALE: NOT TO SCALE



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Jessica L. Ryan
CIVIL
STATE OF CALIFORNIA
5-2-17

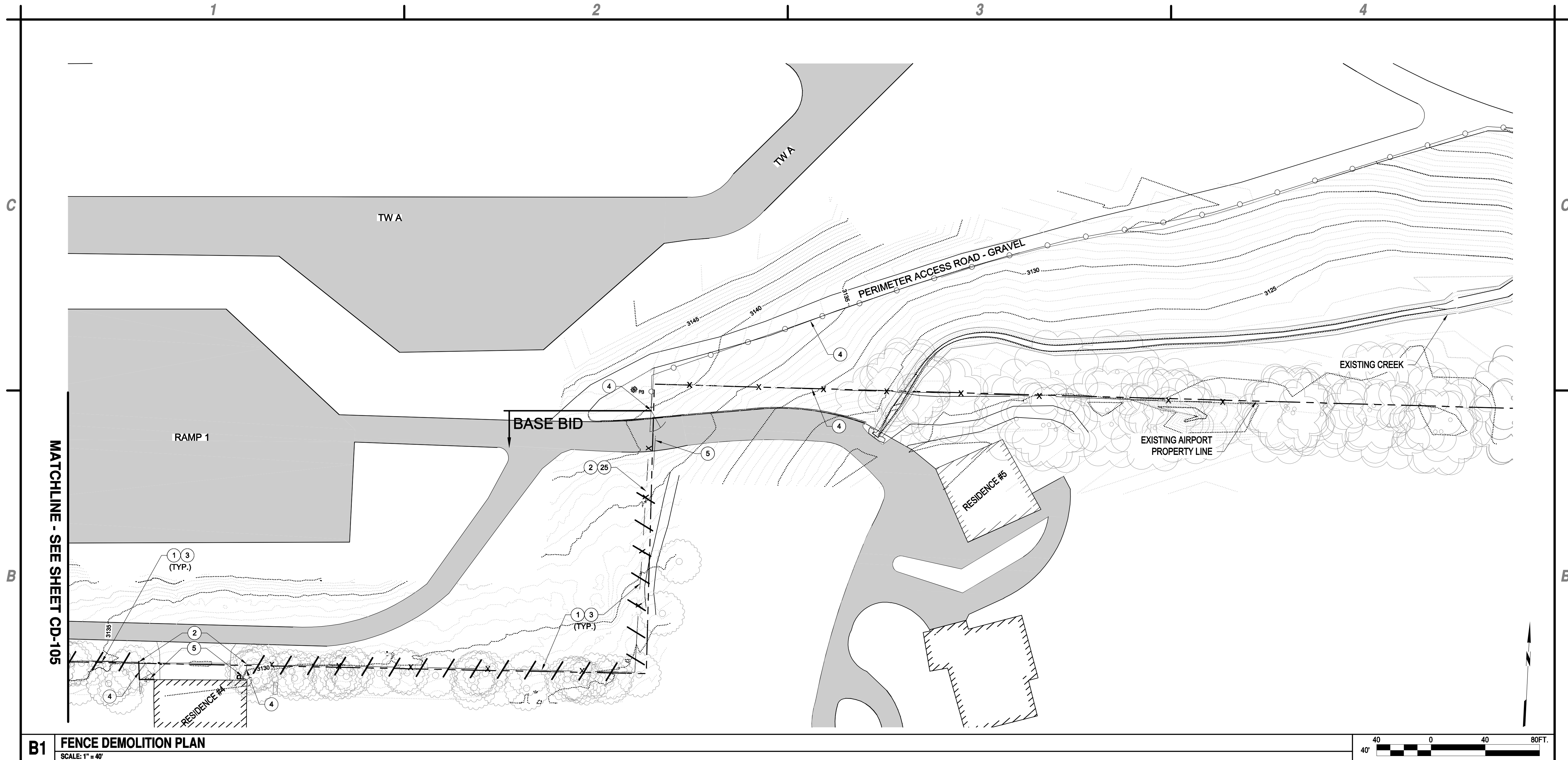


**PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II**
NEVADA COUNTY AIRPORT
NEVADA COUNTY

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: O95.001.001		
DATE: MAY 2017		
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CHECKED BY: JLB		

**FENCE
DEMOLITION
PLAN**

CD-104



B1 FENCE DEMOLITION PLAN
SCALE: 1" = 40'

Underground Service Alert

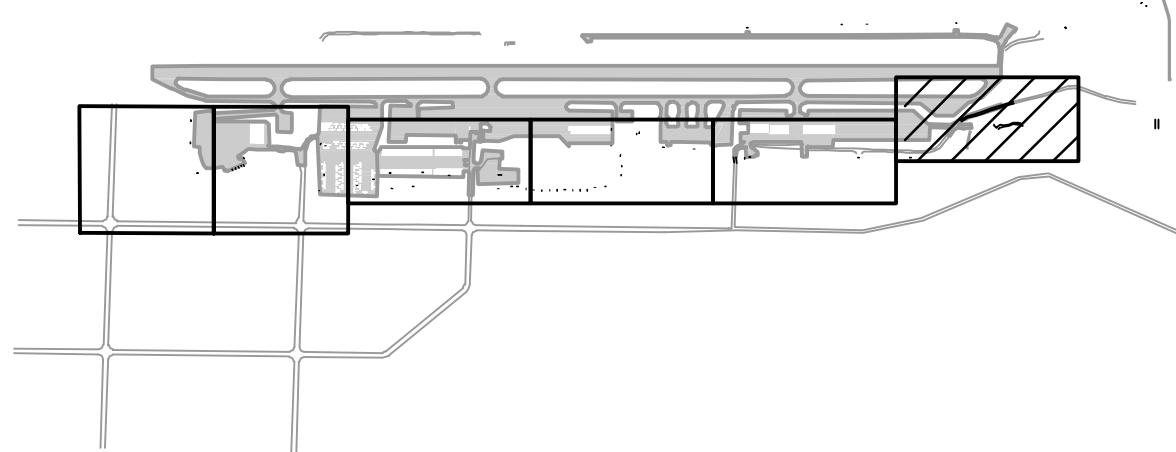


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"811"

TWO WORKING DAYS BEFORE YOU DIG

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2. ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.

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- 2 LIMITS OF FENCING REMOVAL
- 3 CLEAR AND GRUB PER DETAIL C1, SHEET C-502.
- 4 EXISTING FENCING TO REMAIN.
- 5 EXISTING GATE TO REMAIN.
- 25 END FENCE REMOVAL AT NEAREST GATE POST.



A2 GENERAL NOTES
SCALE: NOT TO SCALE

A3 KEYED NOTES
SCALE: NOT TO SCALE

A4 KEY MAP
SCALE: NOT TO SCALE



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CIVIL
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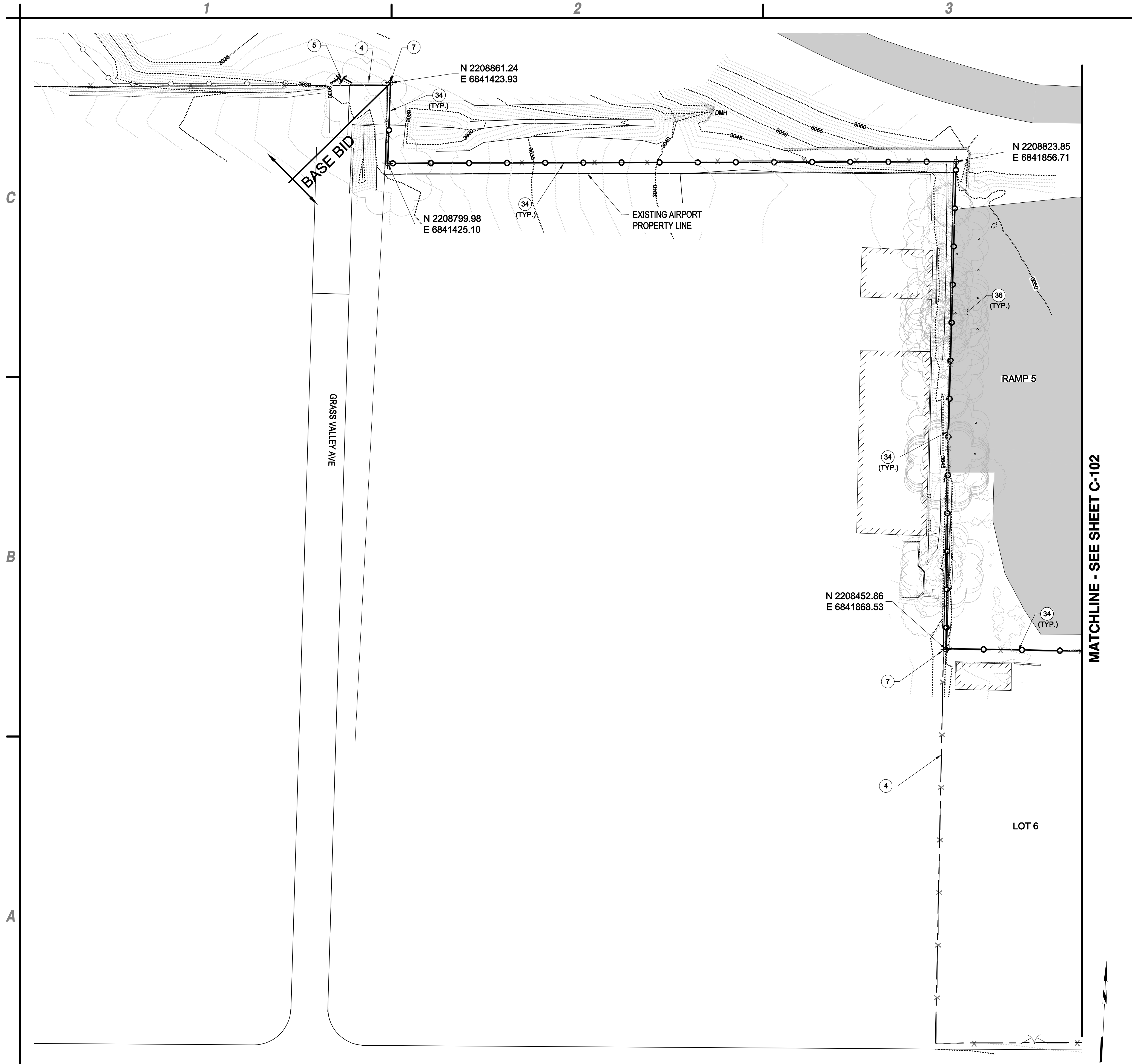


**PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II**
NEVADA COUNTY AIRPORT
NEVADA COUNTY

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: O95.001.001		
DATE: MAY 2017		
DRAWN BY: GT		
DESIGNED BY: GT		
CHECKED BY: JLB		

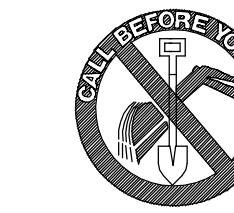
**FENCE
DEMOLITION
PLAN**

CD-106



- (4) EXISTING FENCING TO REMAIN.
- (5) EXISTING GATE TO REMAIN.
- (7) TIE INTO EXISTING FENCE.
- (34) FURNISH AND INSTALL 8" HIGH BLACK PVC COATED CHAIN LINK FENCING IN EXACT ALIGNMENT AS EXISTING PER DETAIL C2, SHEET C-501.
- (36) COUNTY TO REMOVE AND REPLACE ALL SANDBAGS IN THIS AREA.

Underground Service Alert



Call: TOLL FREE
"811"

TWO WORKING DAYS BEFORE YOU DIG

C4 KEYED NOTES

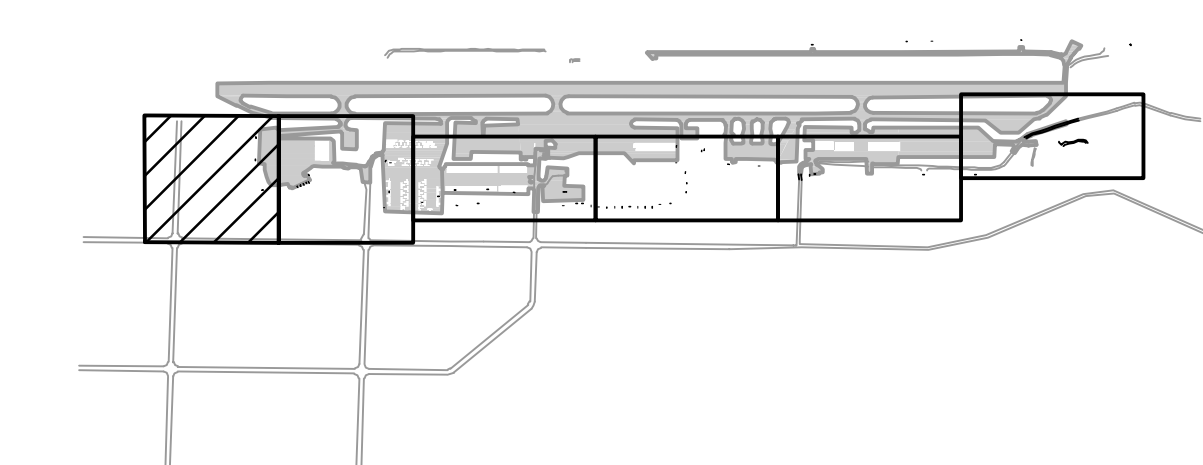
SCALE: NOT TO SCALE

GENERAL NOTE:

1. FIELD VERIFY ALL FENCING LOCATIONS WITH ENGINEER PRIOR TO INSTALLATION.
2. ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.
3. ALL UTILITIES SHALL BE LOCATED AND PROTECTED IN PLACE PRIOR TO INSTALLATION OF FENCE POSTS, INCIDENTAL TO F-162. IF UTILITIES ARE DAMAGED DURING THE INSTALLATION OR REMOVAL OF FENCE. CONTRACTOR SHALL NOTIFY THE ENGINEER. DAMAGED UTILITIES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

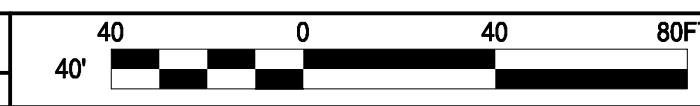
B4 NOTES

SCALE: NOT TO SCALE



A1 FENCING PLAN

SCALE: 1" = 40'



A4 KEY MAP

SCALE: NOT TO SCALE



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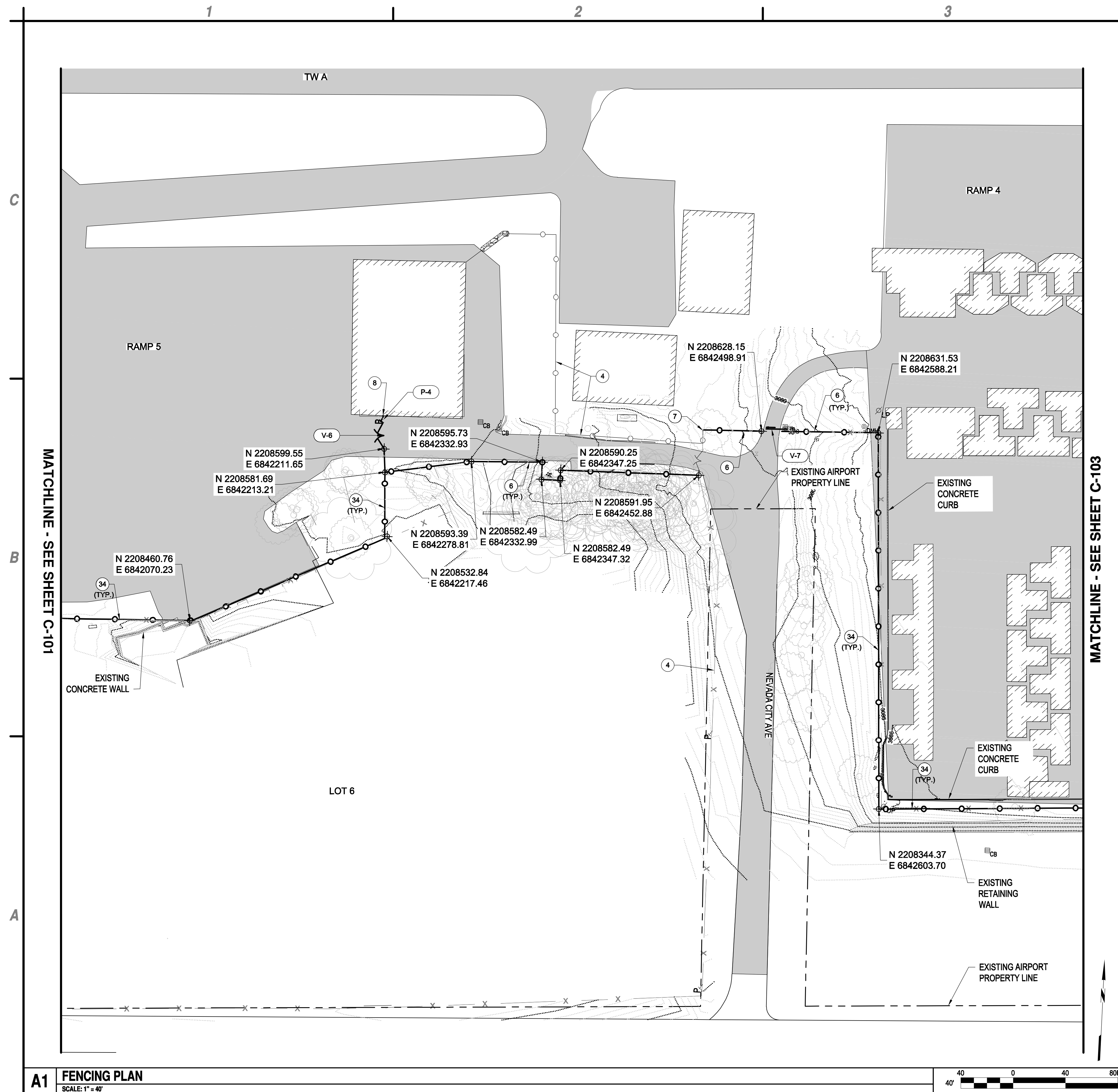
PERIMETER FENCE & GATE SYSTEM UPGRADES, PHASE II NEVADA COUNTY AIRPORT NEVADA COUNTY

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: O95.001.001		
DATE: MAY 2017		
DRAWN BY: GT		
DESIGNED BY: GT		
CHECKED BY: JLB		

FENCE PLAN

C-101

May 02, 2017 - 1:28pm
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Perimeter Fence Project\Design Ph II\CADD\Sheet Files\095.005.001_9_C-101-107_FENCING PLAN.dwg



- 4 EXISTING FENCE TO REMAIN.
- 6 FURNISH AND INSTALL 8' HIGH BLACK PVC COATED CHAIN LINK FENCE PER DETAILS C2, SHEET C-501, AND C1, SHEET C-502.
- 7 TIE INTO EXISTING FENCE.
- 8 TERMINATE FENCING AT BUILDING.
- 34 FURNISH AND INSTALL 8' HIGH BLACK PVC COATED CHAIN LINK FENCING IN EXACT ALIGNMENT AS EXISTING PER DETAIL C2, SHEET C-501.

GENERAL NOTE:

1. FIELD VERIFY ALL FENCING LOCATIONS WITH ENGINEER PRIOR TO INSTALLATION.
2. ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.
3. ALL UTILITIES SHALL BE LOCATED AND PROTECTED IN PLACE PRIOR TO INSTALLATION OF FENCE POSTS, INCIDENTAL TO F-162. IF UTILITIES ARE DAMAGED DURING THE INSTALLATION OR REMOVAL OF FENCE. CONTRACTOR SHALL NOTIFY THE ENGINEER. DAMAGED UTILITIES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

C4	NOTES
	CONF. NOTES

SCALE: NOT TO SCALE

GATE #	TYPE	SIZE (WIDTH)	APPROXIMATE LOCATION
V-6	DOUBLE SWING VEHICLE (M)	20'	RAMP 5
V-7	CANTILEVER VEHICLE (A)	12'	NEVADA CITY AVE
P-4	PRE-HUNG PEDESTRIAN (C)	4'	FBO BUILDING

(A) - AUTOMATIC
(M) - MANUAL
(C) - CIPHER

Underground Service Alert

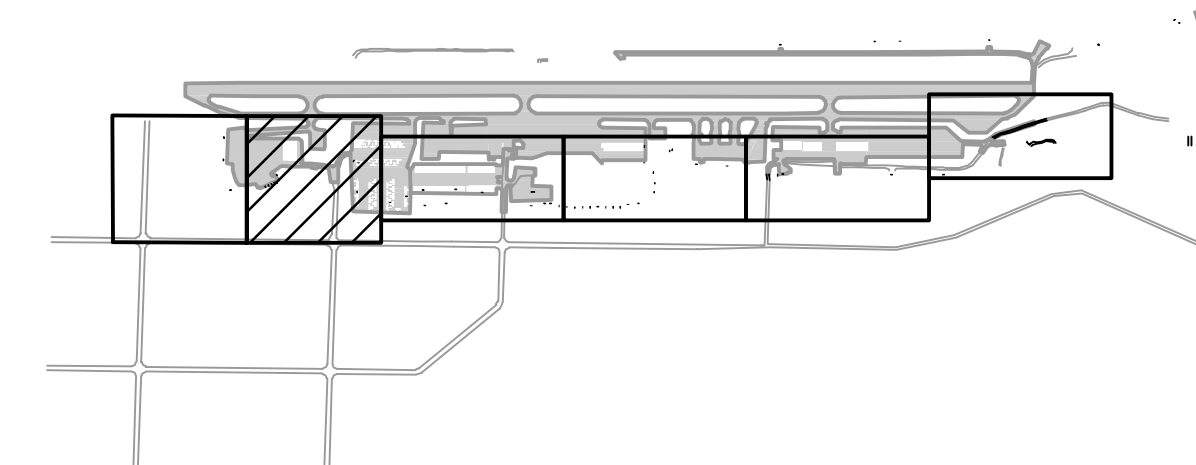


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"811"

TWO WORKING DAYS BEFORE YOU DIG

B4	GATE LEGEND
	SCALE: NOT TO SCALE

SCALE: NOT TO SCALE



A4	KEY MAP
-----------	----------------

SCALE: NOT TO SCALE



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5-2-17



**METER FENCE & GATE SYSTEM
UPGRADES, PHASE II**

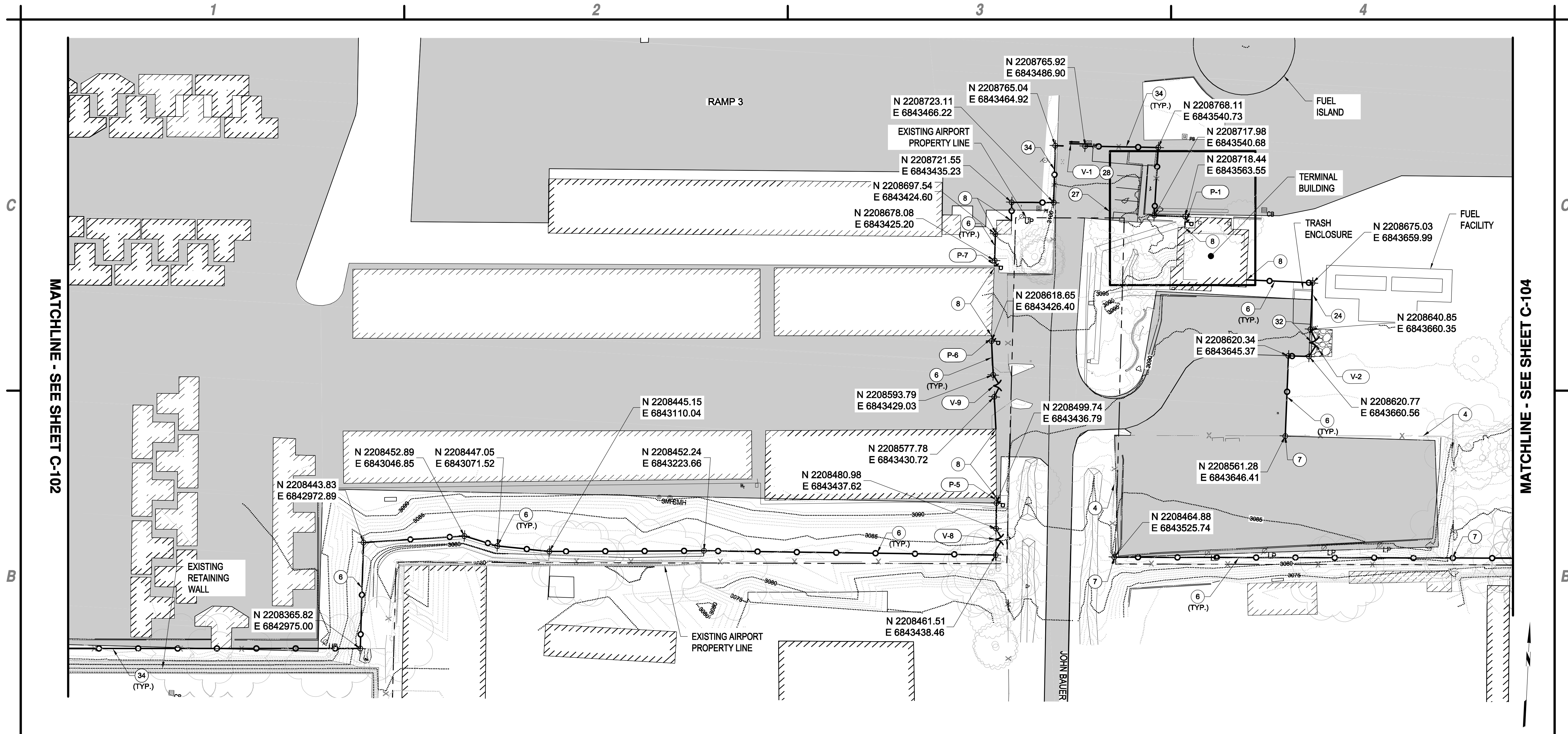
**NEVADA COUNTY AIRPORT
NEVADA COUNTY**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:		095.001.001
DATE:		MAY 2017
DRAWN BY:		GT
DESIGNED BY:		GT
CHECKED BY:		JLB

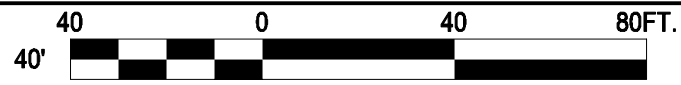
FENCE PLAN

C-102

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B1 FENCING PLAN
SCALE: 1" = 40'



1. FIELD VERIFY ALL FENCING LOCATIONS WITH ENGINEER PRIOR TO INSTALLATION.
2. ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.
3. ALL UTILITIES SHALL BE LOCATED AND PROTECTED IN PLACE PRIOR TO INSTALLATION OF FENCE POSTS, INCIDENTAL TO F-162. IF UTILITIES ARE DAMAGED DURING THE INSTALLATION OR REMOVAL OF FENCE. CONTRACTOR SHALL NOTIFY THE ENGINEER. DAMAGED UTILITIES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

- ④ EXISTING FENCING TO REMAIN.
- ⑥ FURNISH AND INSTALL 8" HIGH BLACK PVC COATED CHAIN LINK FENCE PER DETAILS C2, SHEET CG-501, AND C1, SHEET C-502.
- ⑦ TIE INTO EXISTING FENCE.
- ⑧ TERMINATE FENCING AT BUILDING.
- ②④ PLACE FENCE ON CONCRETE WALL, SEE DETAIL A1, SHEET C-502.
- ②⑦ SEE DETAIL A1, SHEET C-107 FOR ENLARGED PLAN OF AREA.
- ②⑧ SEE EL-501 FOR ENLARGED GATE PLAN.
- ③② ADD CLASS II AGGREGATE BASE TO MATCH EXISTING PAVEMENT ELEVATION, 15' LONG, 20' WIDE, 6" DEEP, COMPACTED TO 95% DENSITY.
- ③④ FURNISH AND INSTALL 8" HIGH BLACK PVC COATED CHAIN LINK FENCE IN EXACT ALIGNMENT AS EXISTING PER DETAIL C2, SHEET C-501.

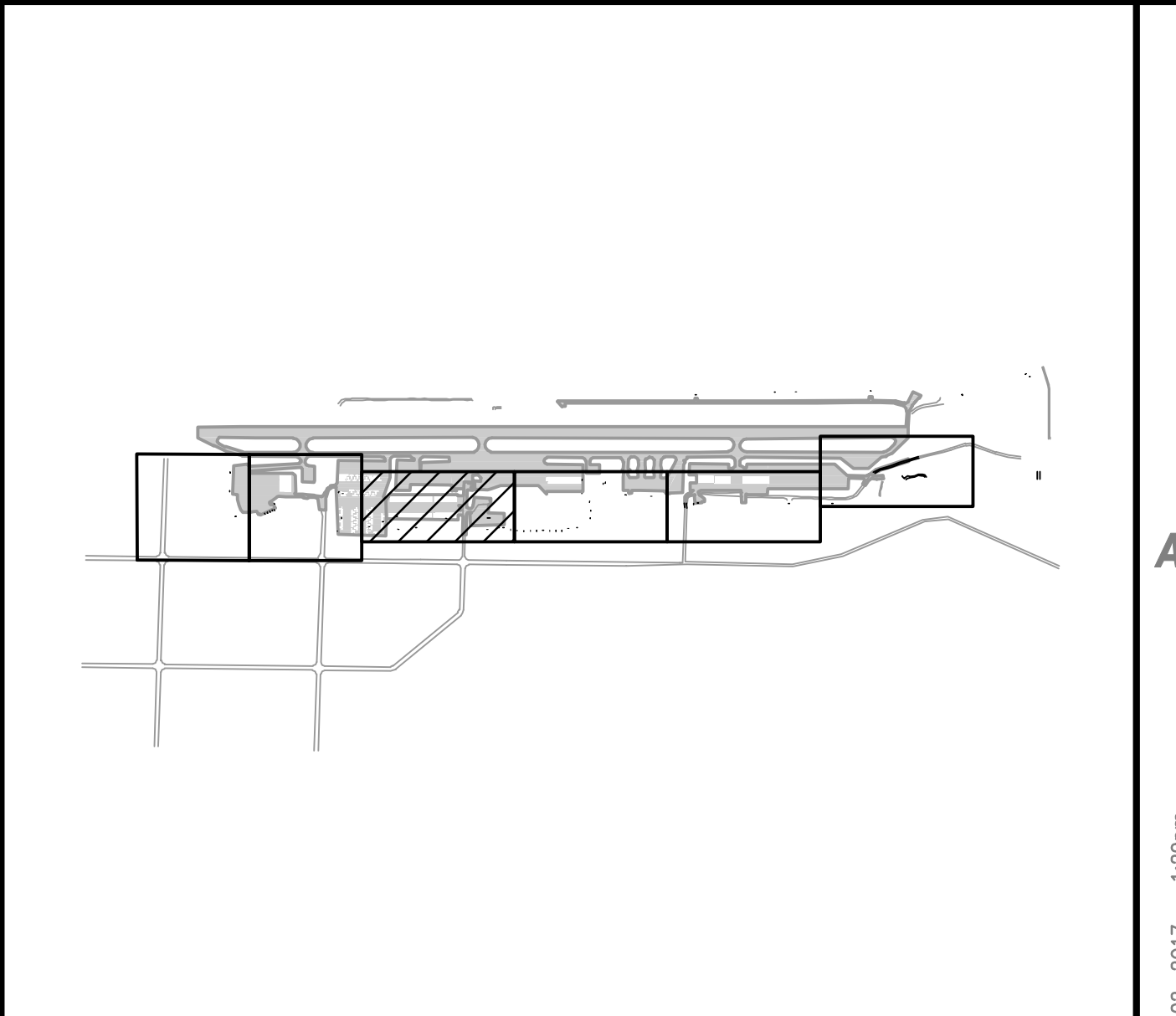
GATE #	TYPE	SIZE (WIDTH)	APPROXIMATE LOCATION
④V-1	CANTILEVER VEHICLE (A)	16'	TERMINAL BUILDING
④V-2	DOUBLE SWING VEHICLE (M)	20'	FUEL STORAGE TANKS
④V-8	DOUBLE SWING VEHICLE (M)	16'	JOHN BAUER AVE
④V-9	DOUBLE SWING VEHICLE (M)	12'	JOHN BAUER AVE
④P-1	PRE-HUNG PEDESTRIAN (C)	4'	TERMINAL BUILDING
④P-5	PRE-HUNG PEDESTRIAN (C)	4'	JOHN BAUER AVE
④P-6	PRE-HUNG PEDESTRIAN (C)	4'	JOHN BAUER AVE
④P-7	PRE-HUNG PEDESTRIAN (C)	4'	JOHN BAUER AVE

(A) - AUTOMATIC
(M) - MANUAL
(C) - CIPHER

Underground Service Alert

Call: TOLL FREE "811"

TWO WORKING DAYS BEFORE YOU DIG



A1 GENERAL NOTES
SCALE: NOT TO SCALE

A2 KEYED NOTES
SCALE: NOT TO SCALE

A3 GATE LEGEND
SCALE: NOT TO SCALE

A4 KEY MAP
SCALE: NOT TO SCALE

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Jessica L. Bryan
CIVIL
5-2-17

COUNTY OF NEVADA
CALIFORNIA

**PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II**

**NEVADA COUNTY AIRPORT
NEVADA COUNTY**

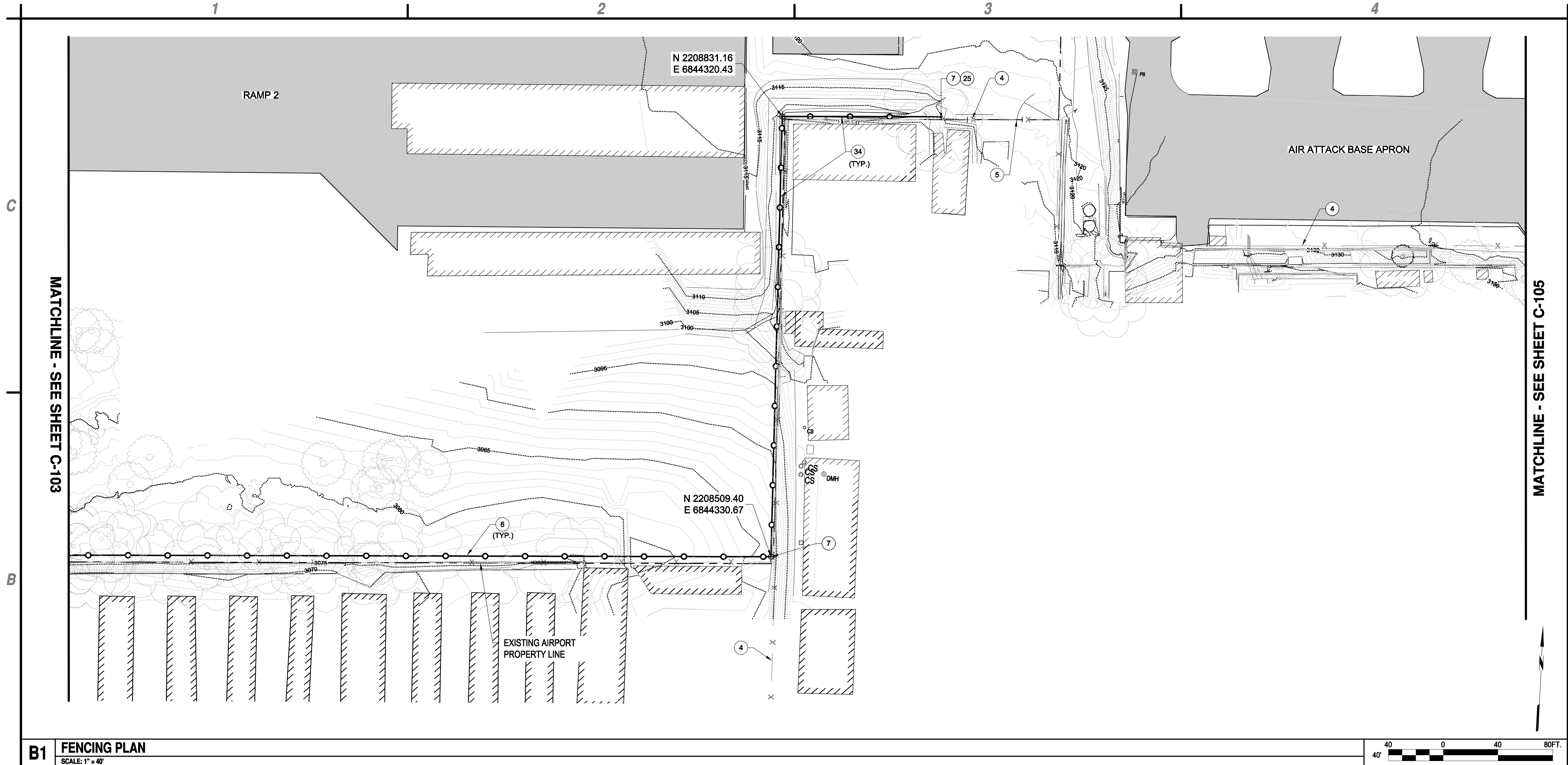
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: O95.001.001		
DATE: MAY 2017		
DRAWN BY: GT		
DESIGNED BY: GT		
CHECKED BY: JLB		

FENCE PLAN

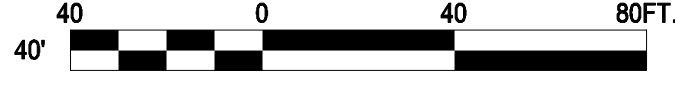
C-103

May 02, 2017 - 1:29pm
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Perimeter Fence Project\Design Plt \ACAD\Sheet Files\095.005.001_9_C-103-107_FENCING PLAN.dwg

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B1 FENCING PLAN
SCALE: 1" = 40'



Underground Service Alert

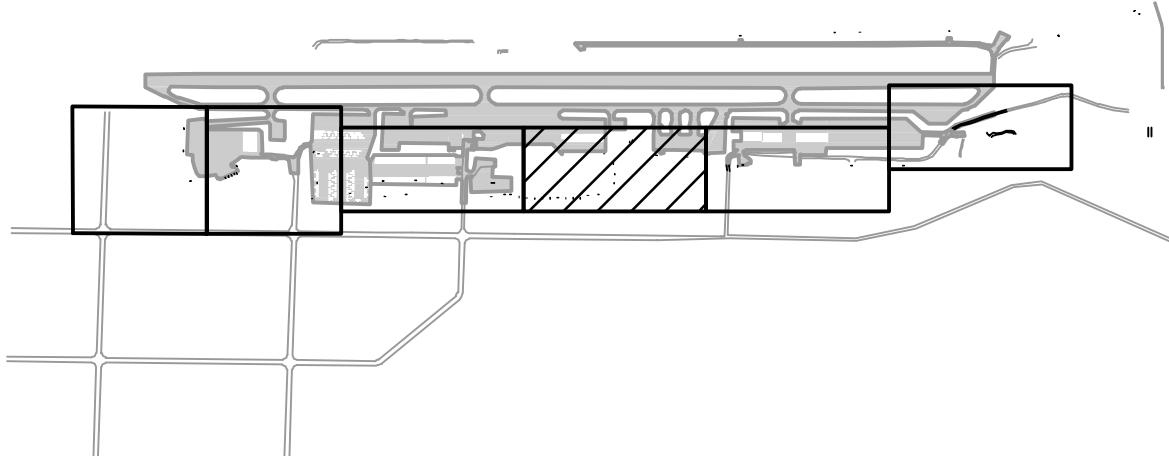


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"811"

TWO WORKING DAYS BEFORE YOU DIG

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- ④ EXISTING FENCING TO REMAIN.
- ⑤ EXISTING GATE TO REMAIN.
- ⑥ FURNISH AND INSTALL 8" HIGH BLACK PVC COATED CHAIN LINK FENCE PER DETAIL C2, SHEET C-501.
- ⑦ TIE INTO EXISTING FENCE.
- ②⑤ END FENCE REMOVAL AT NEAREST GATE POST.
- ③④ FURNISH AND INSTALL 8" HIGH BLACK PVC COATED CHAIN LINK FENCE IN EXACT ALIGNMENT AS EXISTING PER DETAIL C2, SHEET C-501.



A2 GENERAL NOTES
SCALE: NOT TO SCALE

A3 KEYED NOTES
SCALE: NOT TO SCALE

A4 KEY MAP
SCALE: NOT TO SCALE



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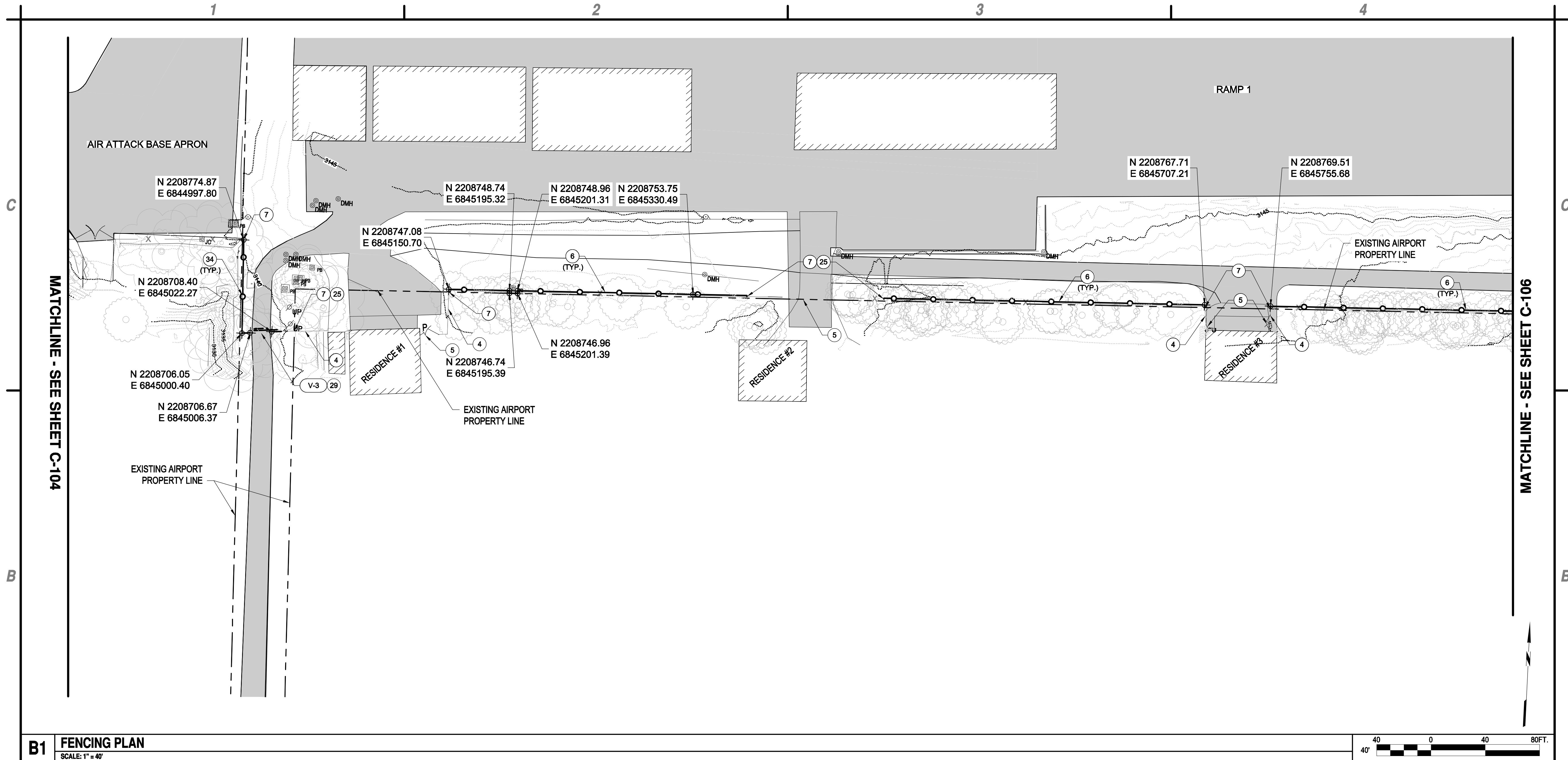
Jessica L. Bryan
CIVIL
5-2-17



**PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II**
NEVADA COUNTY AIRPORT
NEVADA COUNTY

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: O95.001.001		
DATE: MAY 2017		
DRAWN BY: GT		
DESIGNED BY: GT		
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FENCE PLAN



B1 FENCING PLAN

A1 GENERAL NOTES

A2 KEYED NOTES

A3 GATE LEGEND

A4 KEY MAP

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REGISTERED PROFESSIONAL ENGINEER
JESSICA L. L...
No. C 695712
EXP. 6-30-18
CIVIL
JESSICA L. L...



PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II

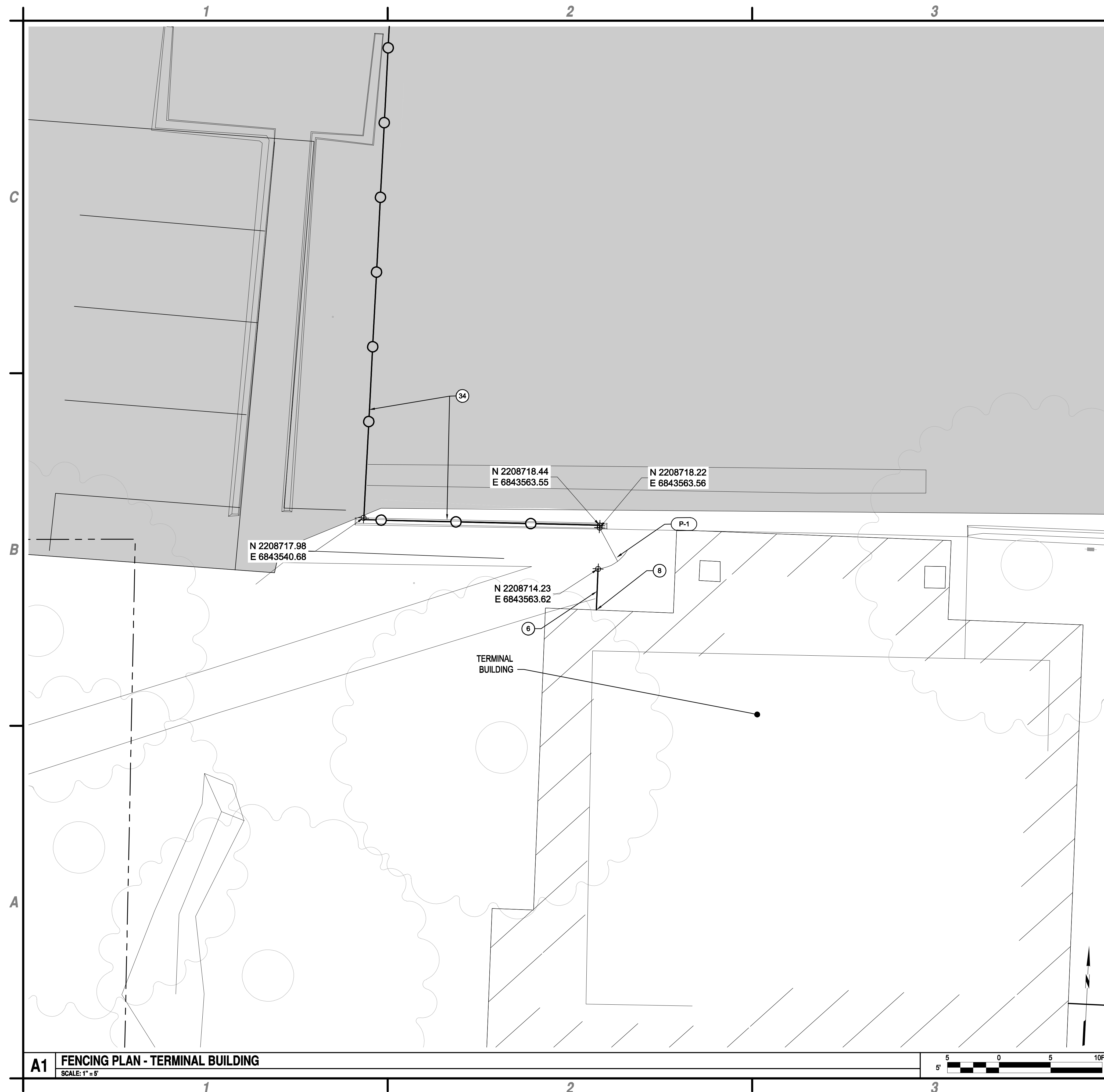
NEVADA COUNTY AIRPORT
NEVADA COUNTY

MARK	DATE	DESCRIPTION
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PROJECT NO: O95.001.001		
DATE: MAY 2017		
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DESIGNED BY: GT		
CHECKED BY: JLB		

FENCE PLAN

C-105

May 02, 2017 - 1:30pm
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Perimeter Fence Project\Design Plt\095.005.001_9_C-101-107_FENCING PLAN.dwg



- ⑥ FURNISH AND INSTALL 8' HIGH BLACK PVC COATED CHAIN LINK FENCE PER DETAILS C2, SHEET C-501, AND C1, SHEET C-502
- ⑧ TERMINATE FENCING AT BUILDING.
- ③④ FURNISH AND INSTALL 8' HIGH BLACK PVC COATED CHAIN LINK FENCING IN EXACT ALIGNMENT AS EXISTING PER DETAIL C2, SHEET CG-501.

GENERAL NOTE:

1. FIELD VERIFY ALL FENCING LOCATIONS WITH ENGINEER PRIOR TO INSTALLATION.
2. ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.
3. ALL UTILITIES SHALL BE LOCATED AND PROTECTED IN PLACE PRIOR TO INSTALLATION OF FENCE POSTS, INCIDENTAL TO F-162. IF UTILITIES ARE DAMAGED DURING THE INSTALLATION OR REMOVAL OF FENCE. CONTRACTOR SHALL NOTIFY THE ENGINEER. DAMAGED UTILITIES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

C4	NOTES
	CONT. NOTES

SCALE: NOT TO SCALE

GATE #	TYPE	SIZE (WIDTH)	APPROXIMATE LOCATION
P-1	PRE-HUNG PEDESTRIAN (C)	4'	TERMINAL BUILDING

(A) - AUTOMATIC
(M) - MANUAL
(C) - CIPHER

Underground Service Alert

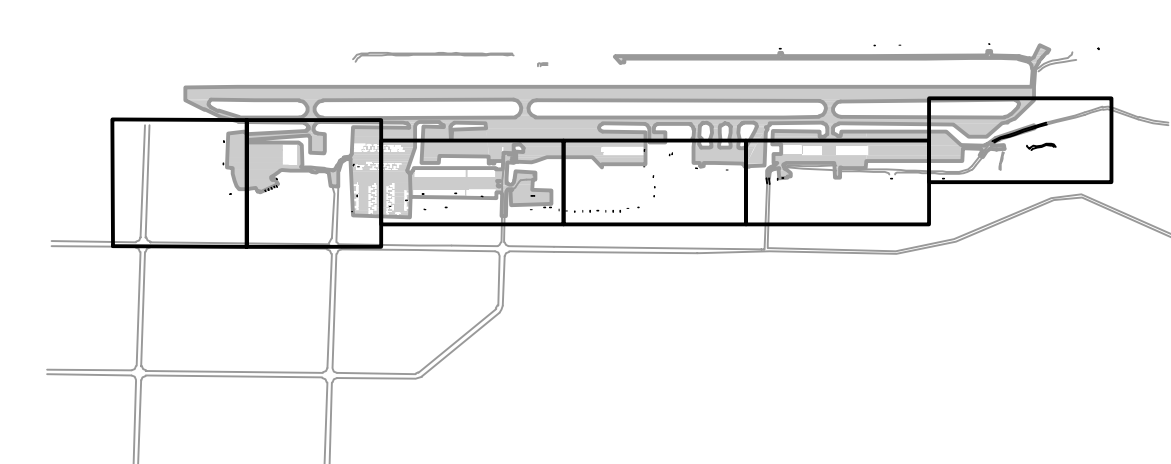


Call: TOLL FREE
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B4	GATE LEGEND
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SCALE: NOT TO SCALE

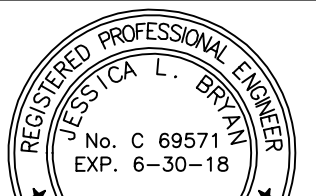


A4	KEY MAP
-----------	----------------

SCALE: NOT TO SCALE



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5-2-17



**METER FENCE & GATE SYSTEM
UPGRADES, PHASE II**

**NEVADA COUNTY AIRPORT
NEVADA COUNTY**

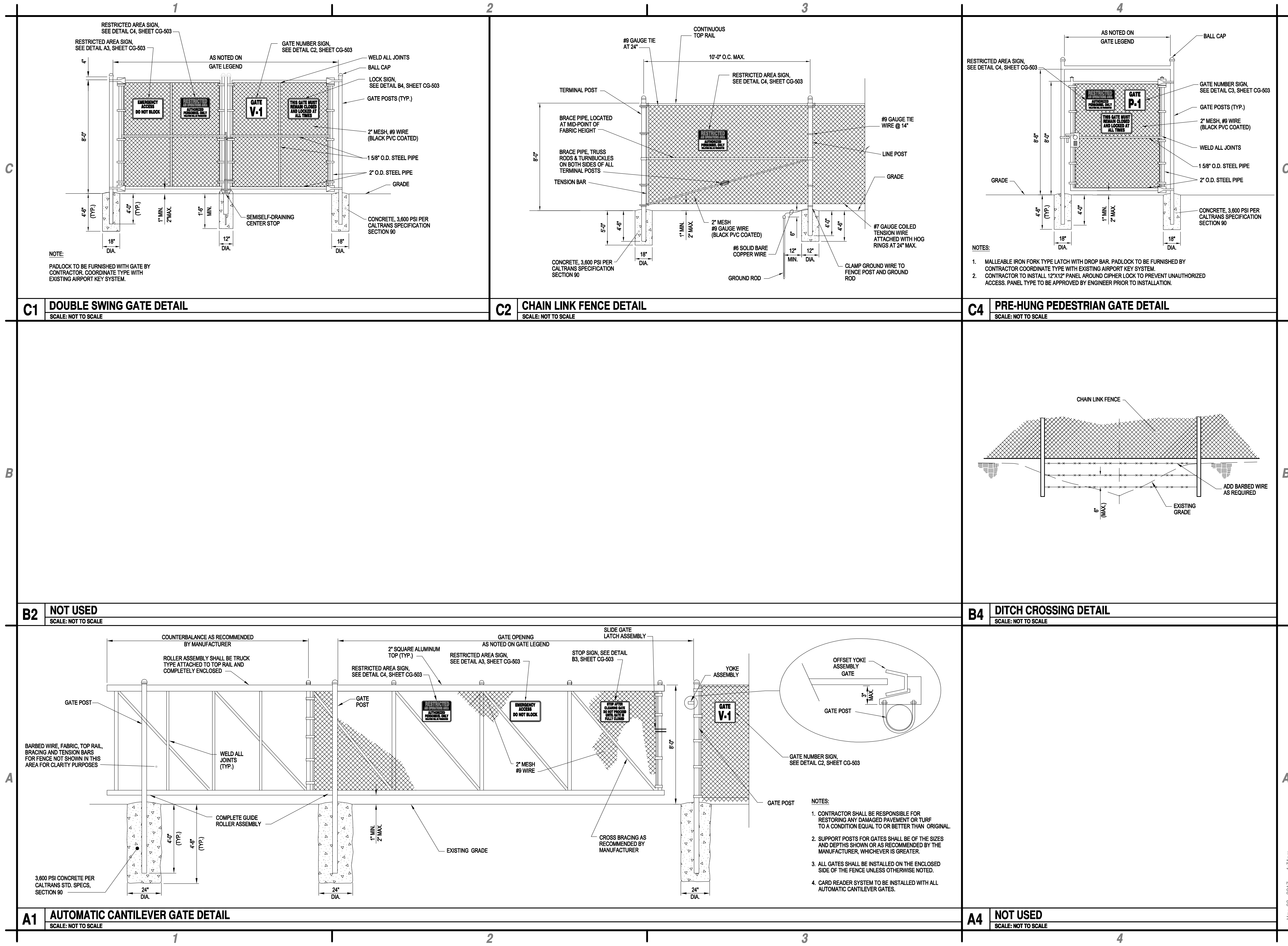
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REVISIONS		
PROJECT NO:		095.001.001
DATE:		MAY 2017
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DESIGNED BY:		GT
CHECKED BY:		JLB


FENCE PLAN

C-107

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Jessica A. Bryan



COUNTY OF NEVADA
CALIFORNIA

**PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II**

**NEVADA COUNTY AIRPORT
NEVADA COUNTY**







MARK	DATE	DESCRIPTION
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PROJECT NO: O95.001.001		
DATE: MAY 2017		
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FENCE DETAILS

C-501

May 02, 2017 - 1:31pm
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Perimeter Fence Project\Design Ph II\CADD\Sheet Files\O95.DWG.001_10_C-501-503_DETAILS.dwg

	1	2	3	4			
C		<p>1'-6"</p> <p>1'-6"</p> <p>← 4" BLACK LETTERS</p> <p>← 8" BLACK LETTERS</p> <p>← 3/8" WHITE MARGIN</p> <p>VG</p>	<p>1'-0"</p> <p>1'-0"</p> <p>← 2" BLACK LETTERS</p> <p>← 4" BLACK LETTERS</p> <p>← 3/8" WHITE MARGIN</p> <p>PG</p>	<p>3'-6"</p> <p>2'-6"</p> <p>1" RADIUS (TYPICAL)</p> <p>← 6" WHITE LETTERS</p> <p>← RED FILL</p> <p>← 4" WHITE LETTERS</p> <p>← 4" BLACK LETTERS</p> <p>← 4" BLACK LETTERS</p> <p>← 2" BLACK LETTERS</p> <p>← 3/4" RED BORDER</p> <p>R</p>			
C1	NOT USED NOT TO SCALE	C2	VEHICLE GATE SIGN NOT TO SCALE	C3	PEDESTRIAN GATE SIGN NOT TO SCALE	C4	RESTRICTED AREA SIGN NOT TO SCALE

SIGN TYPE	LOCATION AND QUANTITY							COMMENTS
	AUTOMATIC CANTILEVER VEHICLE GATE	MANUAL DOUBLE SWING VEHICLE GATE	PRE-HUNG PEDESTRIAN GATE W/ CIPHER LOCK	FENCE LINE		LAND SIDE	AIRSIDE	
 RESTRICTED AREA	1	1	1	*		●		* 100' FROM CORNERS AND 150' O.C.
 EMERGENCY ACCESS	1	1				●		
 STOP	1					●		
 VEHICLE GATE	1	1				●		
 LOCK		1				●		
 PEDESTRIAN GATE		1				●		

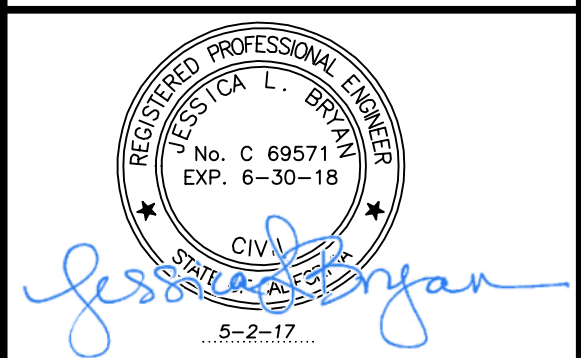
NOTE: VERIFY SIGN PLACEMENT WITH ENGINEER AND OWNER PRIOR TO INSTALLATION.

<p>NOTE: VERIFY SIGN PLACEMENT WITH ENGINEER AND OWNER PRIOR TO INSTALLATION.</p>		<div style="text-align: center;">E</div>			
A1	SIGN SCHEDULE	A3	EMERGENCY ACCESS SIGN	A4	GENERAL NOTES
	NOT TO SCALE		NOT TO SCALE		NOT TO SCALE
1		2		3	
				4	



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**PERIMETER FENCE & GATE SYSTEM
UPGRADES, PHASE II**

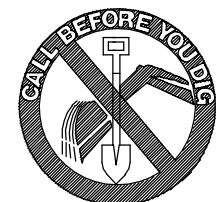
**NEVADA COUNTY AIRPORT
NEVADA COUNTY**

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CHECKED BY:	JLB	

SIGN DETAILS AND SCHEDULE

C-503

Underground Service Alert



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TWO WORKING DAYS BEFORE YOU DIG

PROPOSED 16' WIDE
SINGLE CANTILEVER
SECURITY GATE ITEM
F-162, WITH OPERATOR,
ITEM L-128, SEE DETAIL
A1, SHEET CG-501

PROPOSED 8' HIGH
CHAIN LINK SECURITY
FENCE (TYP.)

16'-0"
CLEAR OPENING

BOLLARD, SEE
DETAIL C1, SHEET
EL-504 (TYP.)

34
(TYP.)

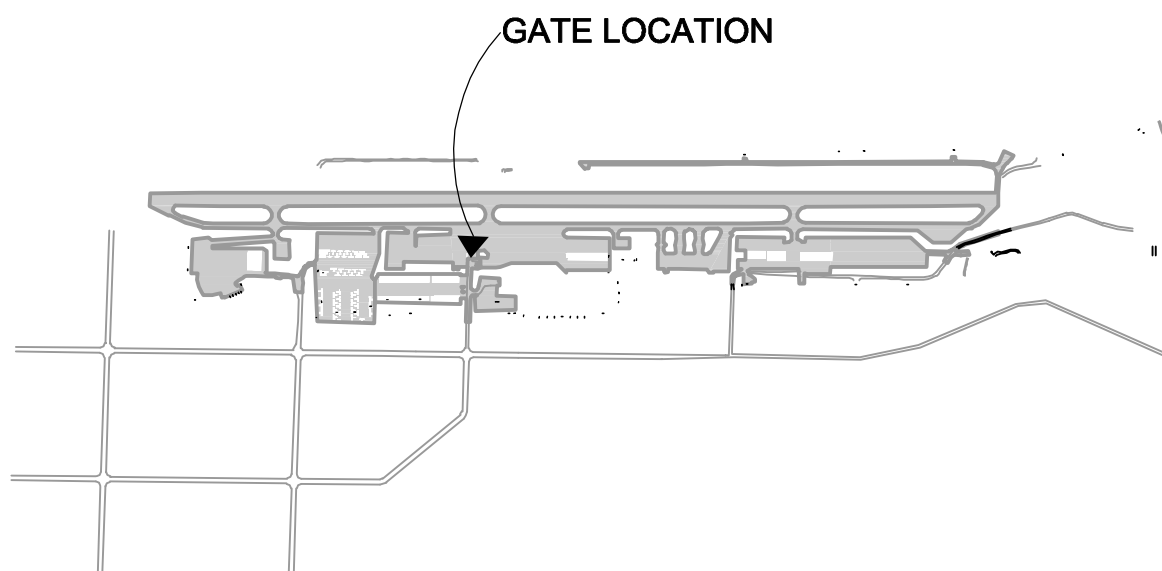
A1 CANTILEVER GATE PLAN
SCALE: 1" = 5'

5 0 5 10FT.
5'

A4 KEY MAP
SCALE: NOT TO SCALE

- 13 PROVIDE NEW GATE OPERATOR. PROVIDE ELECTRICAL CONNECTION TO EQUIPMENT LEADS, TERMINAL STRIPS OR CONTROL PANEL INCLUDING ALL CONDUCTORS, CONDUIT, JUNCTION BOXES, CONNECTORS, FITTINGS, ETC. REQUIRED FOR PROPER CONNECTION AND OPERATION. COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER. FIELD VERIFY EXACT LOCATION WITH ENGINEER. REFER TO SHEETS EL-504 THROUGH EL-506 FOR DETAILS.
- 14 PROVIDE 240V, TWO-POLE, 2HP MOTOR-RATED WEATHERPROOF TOGGLE SWITCH FOR LOCAL DISCONNECTING MEANS. FIELD VERIFY EXACT LOCATION WITH ENGINEER.
- 15 PROVIDE THREE #8 AWG AND ONE #8 AWG GROUND CONDUCTORS IN 1" SCHEDULE 40 PVC CONDUIT. REFER TO DETAIL B2/EL-504 FOR CONDUIT TRENCHING IN TURF AND DETAIL B4/EL-504 FOR CONDUIT TRENCHING IN PAVEMENT. REFER TO C3/EL-505 FOR CONNECTION DETAIL.
- 16 PROVIDE TWO #8 AWG AND ONE #8 AWG GROUND CONDUCTORS IN 1" SCHEDULE 40 PVC CONDUIT. REFER TO DETAIL B2/EL-504 FOR CONDUIT TRENCHING IN TURF AND DETAIL B4/EL-504 FOR CONDUIT TRENCHING IN PAVEMENT. REFER TO C3/EL-505 FOR CONNECTION DETAIL.
- 17 PROVIDE CONTROL WIRING IN CONDUIT. REFER TO DETAIL B2/EL-504 FOR CONDUIT TRENCHING IN TURF AND DETAIL B4/EL-504 FOR CONDUIT TRENCHING IN PAVEMENT. REFER TO C3/EL-505 FOR DETAIL AND CONDUIT INFORMATION.
- 18 REFER TO C4/EL-504 FOR LOOP DETECTOR DETAIL AND C2/EL-505 FOR GATE OPERATOR PLAN. REFER TO SHEET EL-506 FOR GATE OPERATOR LAYOUT DETAIL.
- 19 PROVIDE TWO-POLE, 25A CIRCUIT BREAKER IN AVAILABLE SPACE IN EXISTING BRANCH CIRCUIT PANEL TO SERVE GATE OPERATOR. BREAKER SHALL BE UL-LISTED FOR USE IN EXISTING PANEL. MAINTAIN PANEL SHORT CIRCUIT RATING.
- 30 PROVIDE CARD READER/CALL BOX ASSEMBLY. PROVIDE ALL CONDUCTORS, CONDUIT, JUNCTION BOXES, CONNECTORS, FITTINGS, ETC. REQUIRED FOR PROPER CONNECTION AND OPERATION. COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER. FIELD VERIFY EXACT ASSEMBLY LOCATION WITH ENGINEER. REFER TO DETAILS A1/EL-506 AND C2/EL-504.
- 34 FURNISH AND INSTALL 8' HIGH BLACK PVC COATED CHAIN LINK FENCE IN EXACT ALIGNMENT AS EXISTING PER DETAIL C2, SHEET CG-501.
- 35 INVERTER/BATTERY CHARGE UNITS FOR AC BACKUP POWER SUPPLY. FIELD VERIFY EXACT LOCATION WITH ENGINEER.
- 36 GATE CONTROL PANEL. FIELD VERIFY EXACT LOCATION WITH ENGINEER.

B4 KEYED NOTES
SCALE: NOT TO SCALE



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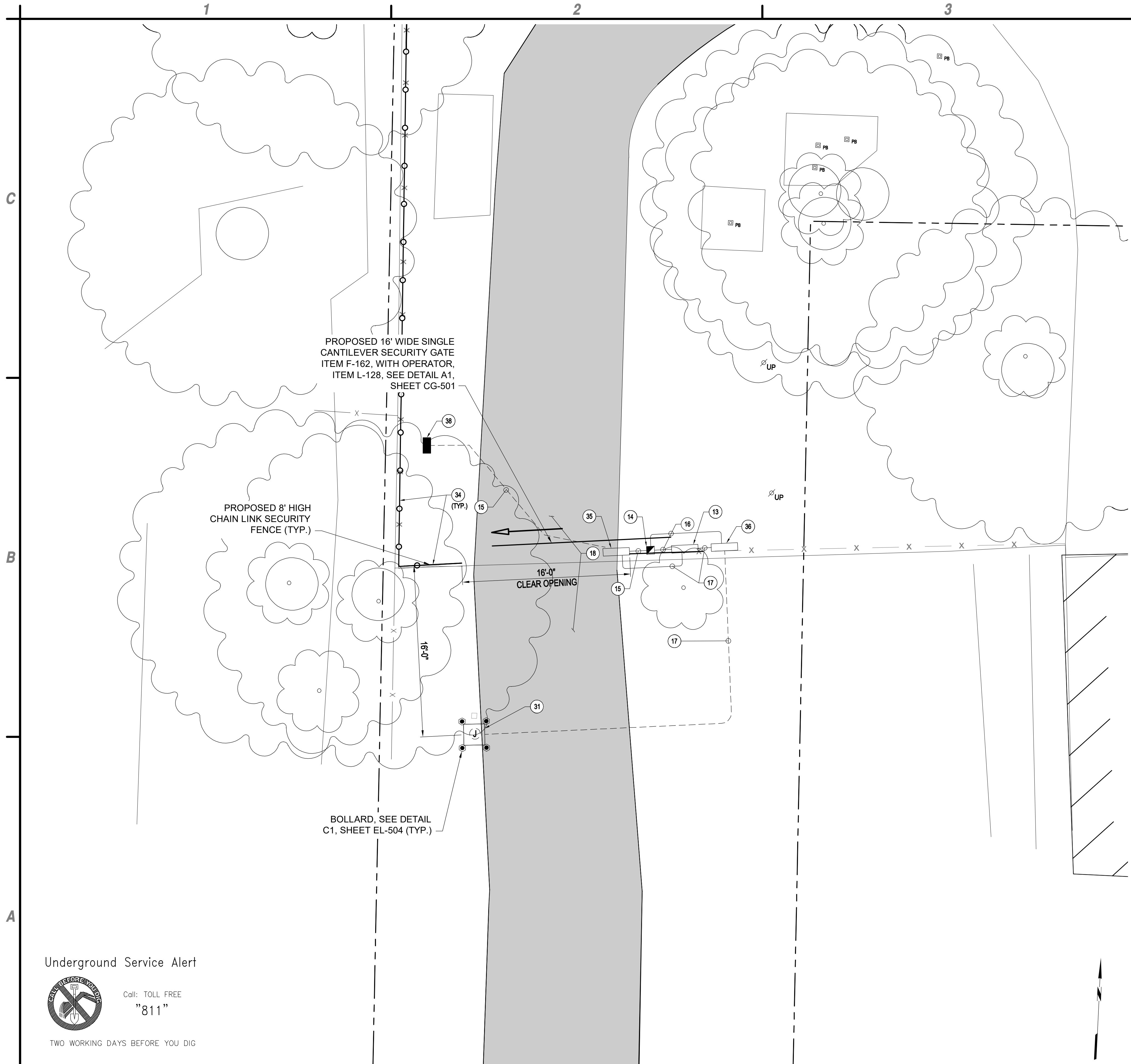
PERIMETER FENCE & GATE SYSTEM
UPGRADES PHASE II
NEVADA COUNTY AIRPORT
NEVADA COUNTY

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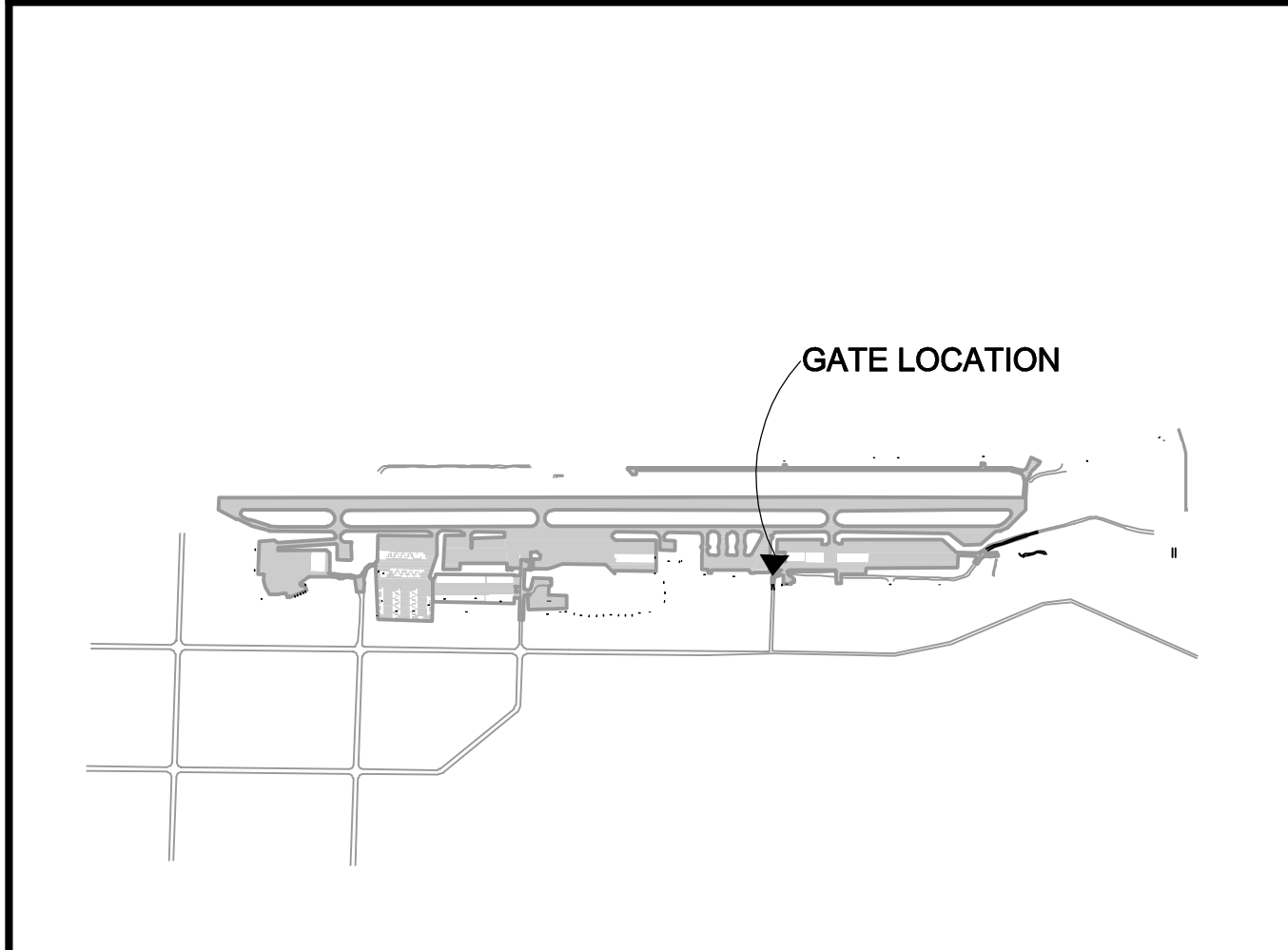
CANTILEVER GATE
PLAN - GATE NO. 1

EL-501



- 13 PROVIDE NEW GATE OPERATOR. PROVIDE ELECTRICAL CONNECTION TO EQUIPMENT LEADS, TERMINAL STRIPS OR CONTROL PANEL INCLUDING ALL CONDUCTORS, CONDUIT, JUNCTION BOXES, CONNECTORS, FITTINGS, ETC. REQUIRED FOR PROPER CONNECTION AND OPERATION. COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER. FIELD VERIFY EXACT LOCATION WITH ENGINEER. REFER TO SHEETS EL-504 THROUGH EL-506 FOR DETAILS.
- 14 PROVIDE 240V, TWO-POLE, 2HP MOTOR-RATED WEATHERPROOF TOGGLE SWITCH FOR LOCAL DISCONNECTING MEANS. FIELD VERIFY EXACT LOCATION WITH ENGINEER.
- 15 PROVIDE THREE #8 AWG AND ONE #8 AWG GROUND CONDUCTORS IN 1" SCHEDULE 40 PVC CONDUIT. REFER TO DETAIL B2/EL-504 FOR CONDUIT TRENCHING IN TURF AND DETAIL B4/EL-504 FOR CONDUIT TRENCHING IN PAVEMENT.
- 16 PROVIDE TWO #8 AWG AND ONE #8 AWG GROUND CONDUCTORS IN 1" SCHEDULE 40 PVC CONDUIT. REFER TO DETAIL B2/EL-504 FOR CONDUIT TRENCHING IN TURF AND DETAIL B4/EL-504 FOR CONDUIT TRENCHING IN PAVEMENT.
- 17 PROVIDE CONTROL WIRING IN CONDUIT. REFER TO DETAIL B2/EL-504 FOR CONDUIT TRENCHING IN TURF AND DETAIL B4/EL-504 FOR CONDUIT TRENCHING IN PAVEMENT. REFER TO C3/EL-505 FOR DETAIL AND CONDUIT INFORMATION.
- 18 REFER TO C4/EL-504 FOR LOOP DETECTOR DETAIL AND C2/EL-505 FOR GATE OPERATOR PLAN. REFER TO SHEET EL-506 FOR GATE OPERATOR LAYOUT DETAIL.
- 31 PROVIDE CARD READER/CALL BOX ASSEMBLY. PROVIDE ALL CONDUCTORS, CONDUIT, JUNCTION BOXES, CONNECTORS, FITTINGS, ETC. REQUIRED FOR PROPER CONNECTION AND OPERATION. COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER. FIELD VERIFY EXACT LOCATION WITH ENGINEER. REFER TO DETAILS A1/EL-506 AND C2/EL-504.
- 34 FURNISH AND INSTALL 8' HIGH BLACK PVC COATED CHAIN LINK FENCE IN EXACT ALIGNMENT AS EXISTING PER DETAIL C2, SHEET CG-501.
- 35 INVERTER/BATTERY CHARGE UNITS FOR AC BACKUP POWER SUPPLY. FIELD VERIFY EXACT LOCATION WITH ENGINEER.
- 36 GATE CONTROL PANEL. FIELD VERIFY EXACT LOCATION WITH ENGINEER.
- 38 PROVIDE 240V, SINGLE-PHASE, THREE WIRE LOAD CENTER WITH A MINIMUM OF EIGHT CIRCUIT SPACES. LOAD CENTER SHALL HAVE MAIN LUG RATING AND SHORT CIRCUIT RATING TO MATCH EXISTING. PROVIDE MAIN CIRCUIT BREAKER WITH TRIP RATING TO MATCH EXISTING. PROVIDE TWO SINGLE-POLE CIRCUIT BREAKERS WITH TRIP RATINGS TO MATCH EXISTING, FOR EXISTING LIGHTING BRANCH CIRCUITS. PROVIDE ONE 25A, SINGLE-POLE CIRCUIT BREAKER TO SERVE GATE OPERATOR. REFER TO A1/EL-505 FOR LOAD CENTER MOUNTING DETAIL.

B4 KEYED NOTES
SCALE: NOT TO SCALE



A4 KEY MAP
SCALE: NOT TO SCALE



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**PERIMETER FENCE & GATE SYSTEM
UPGRADES PHASE II**
NEVADA COUNTY AIRPORT
NEVADA COUNTY

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**CANTILEVER GATE
PLAN - GATE NO. 3**

EL-502

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"811"
TWO WORKING DAYS BEFORE YOU DIG

A1 CANTILEVER GATE PLAN
SCALE: 1" = 5'

Underground Service Alert



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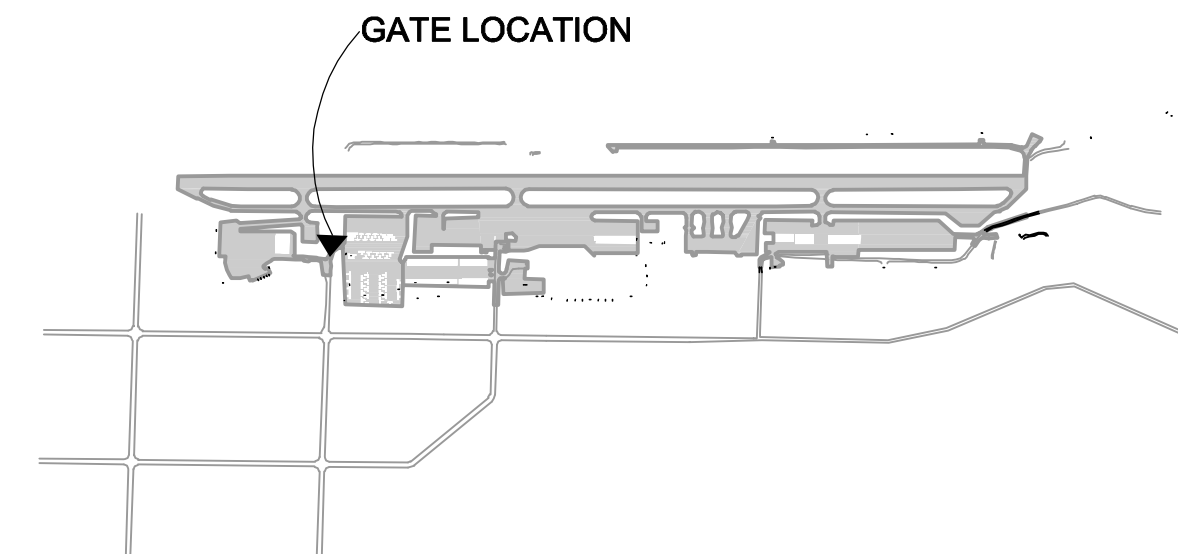
PROPOSED 12' WIDE SINGLE
CANTILEVER SECURITY GATE
ITEM F-162, WITH OPERATOR,
ITEM L-128, SEE DETAIL A1,
SHEET CG-501

PROPOSED 8' HIGH
CHAIN LINK
SECURITY FENCE
(TYP.)

BOLLARD, SEE DETAIL
C1, SHEET EL-504 (TYP.)

- 13 PROVIDE NEW GATE OPERATOR. PROVIDE ELECTRICAL CONNECTION TO EQUIPMENT LEADS, TERMINAL STRIPS OR CONTROL PANEL INCLUDING ALL CONDUCTORS, CONDUIT, JUNCTION BOXES, CONNECTORS, FITTINGS, ETC. REQUIRED FOR PROPER CONNECTION AND OPERATION. COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER. FIELD VERIFY EXACT LOCATION WITH ENGINEER. REFER TO SHEETS EL-504 THROUGH EL-506 FOR DETAILS.
- 14 PROVIDE 240V, TWO-POLE, 2HP MOTOR-RATED WEATHERPROOF TOGGLE SWITCH FOR LOCAL DISCONNECTING MEANS. FIELD VERIFY EXACT LOCATION WITH ENGINEER.
- 17 PROVIDE CONTROL WIRING IN CONDUIT. REFER TO DETAIL B2/EL-504 FOR CONDUIT TRENCHING IN TURF AND DETAIL B4/EL-504 FOR CONDUIT TRENCHING IN PAVEMENT. REFER TO C3/EL-505 FOR DETAIL AND CONDUIT INFORMATION.
- 18 REFER TO C4/EL-504 FOR LOOP DETECTOR DETAIL AND C2/EL-505 FOR GATE OPERATOR PLAN. REFER TO SHEET EL-506 FOR GATE OPERATOR LAYOUT DETAIL.
- 31 PROVIDE CARD READER/CALL BOX ASSEMBLY. PROVIDE ALL CONDUCTORS, CONDUIT, JUNCTION BOXES, CONNECTORS, FITTINGS, ETC. REQUIRED FOR PROPER CONNECTION AND OPERATION. COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER. FIELD VERIFY EXACT ASSEMBLY LOCATION WITH ENGINEER. REFER TO DETAILS A1/EL-506 AND C2/EL-504.
- 34 FURNISH AND INSTALL 8' HIGH BLACK PVC COATED CHAIN LINK FENCE IN EXACT ALIGNMENT AS EXISTING PER DETAIL C2, SHEET CG-501.
- 35 INVERTER/BATTERY CHARGE UNITS FOR AC BACKUP POWER SUPPLY. FIELD VERIFY EXACT LOCATION WITH ENGINEER.
- 36 GATE CONTROL PANEL. FIELD VERIFY EXACT LOCATION WITH ENGINEER.
- 38 PROVIDE THREE #6 AWG AND ONE #6 AWG GROUND CONDUCTORS IN 1 1/2" SCHEDULE 40 PVC CONDUIT. REFER TO DETAIL B2/EL-504 FOR CONDUIT TRENCHING IN TURF AND DETAIL B4/EL-504 FOR CONDUIT TRENCHING IN PAVEMENT.
- 39 PROVIDE TWO #6 AWG AND ONE #6 AWG GROUND CONDUCTORS IN 1 1/2" SCHEDULE 40 PVC CONDUIT. REFER TO DETAIL B2/EL-504 FOR CONDUIT TRENCHING IN TURF AND DETAIL B4/EL-504 FOR CONDUIT TRENCHING IN PAVEMENT.
- 40 PROVIDE TWO-POLE, 60A CIRCUIT BREAKER IN AVAILABLE SPACE IN EXISTING BRANCH CIRCUIT PANEL TO SERVE GATE OPERATOR. BREAKER SHALL BE UL-LISTED FOR USE IN EXISTING PANEL. MAINTAIN PANEL SHORT CIRCUIT RATING.

B4 KEYED NOTES
SCALE: NOT TO SCALE



A4 KEY MAP
SCALE: NOT TO SCALE



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PERIMETER FENCE & GATE SYSTEM
UPGRADES PHASE II
NEVADA COUNTY AIRPORT
NEVADA COUNTY

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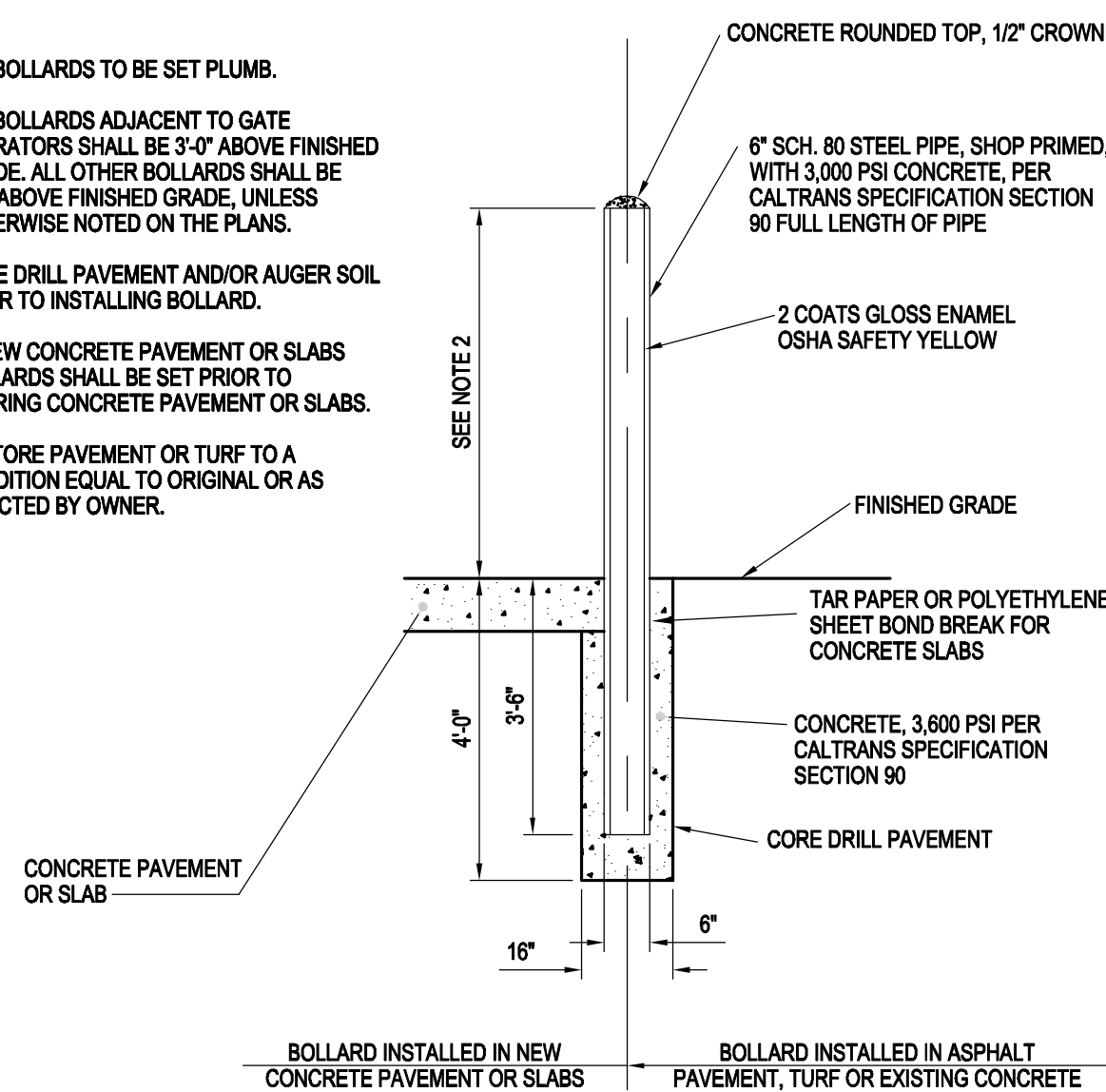
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DATE: MARCH 2017		
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CANTILEVER GATE
PLAN - GATE NO. 7

EL-503

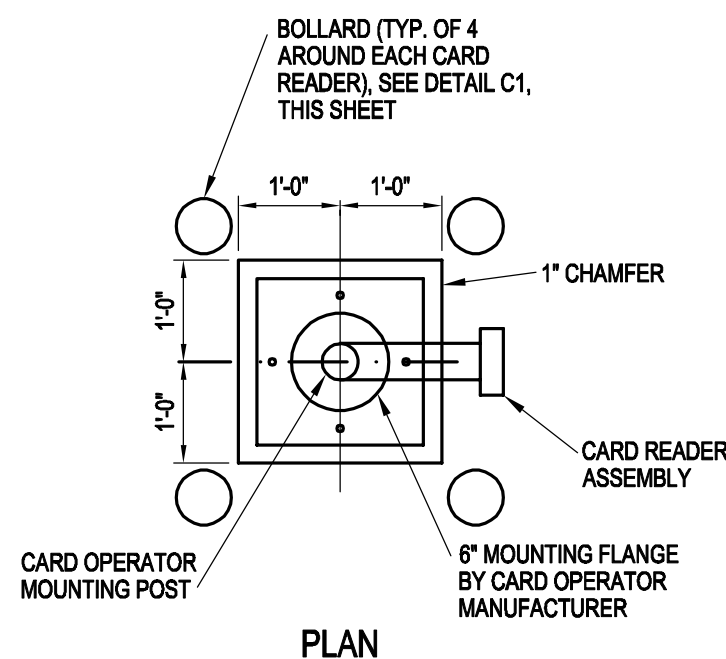
4

1. ALL BOLLARDS TO BE SET PLUMB.
2. ALL BOLLARDS ADJACENT TO GATE OPERATORS SHALL BE 3'-0" ABOVE FINISHED GRADE. ALL OTHER BOLLARDS SHALL BE 4'-0" ABOVE FINISHED GRADE, UNLESS OTHERWISE NOTED ON THE PLANS.
3. CORE DRILL PAVEMENT AND/OR AUGER SOIL PRIOR TO INSTALLING BOLLARD.
4. IN NEW CONCRETE PAVEMENT OR SLABS BOLLARDS SHALL BE SET PRIOR TO POURING CONCRETE PAVEMENT OR SLABS.
5. RESTORE PAVEMENT OR TURF TO A CONDITION EQUAL TO ORIGINAL OR AS DIRECTED BY OWNER.

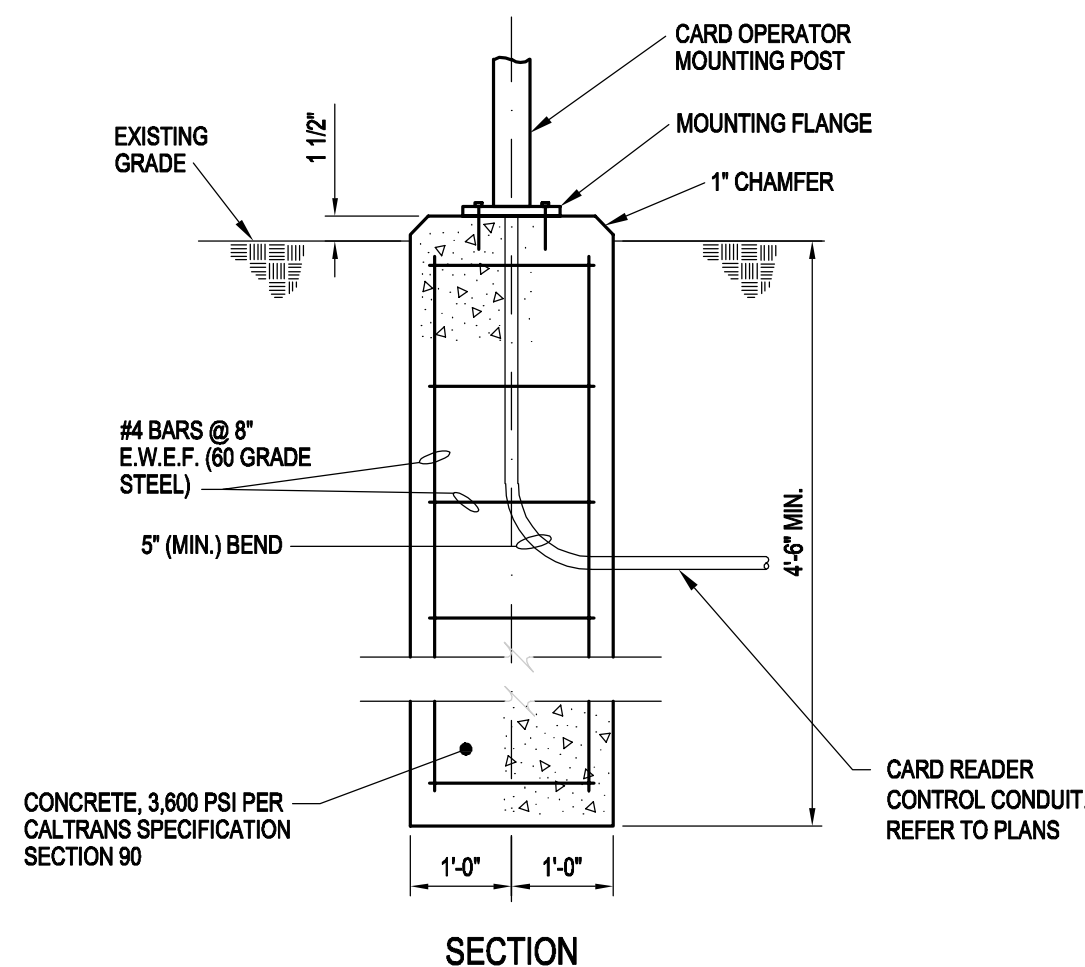


SCALE: NOT TO SCALE

1. DIMENSIONS OF CONCRETE PAD APPROX. ONLY AND SHALL BE VERIFIED WITH MANUFACTURER.
2. THE FACE OF THE CARD READER ASSEMBLY SHALL BE FLUSH WITH THE FRONT FACE OF THE BOLLARDS.
3. COORDINATE EXACT REQUIREMENTS WITH CARD READER MANUFACTURER



SCALE: NOT TO SCALE



1 1/2" ±18"

EPOXY FILLER

DUCT SEAL

A

18" MIN. COVER

RIGID GALVANIZED STEEL CONDUIT

TO GATE OPERATOR

LOOP CABLE, THIN-3 TURNS, 16 GAUGE OR AS RECOMMENDED BY THE MANUFACTURER

WATERPROOF FLEXIBLE CONDUIT, 1" MIN. DIA., 24" LONG

INSULATING BUSHING

FILL WITH 1" MIN. APPROVED EPOXY FILLER (FILL FLUSH)

3/8"

FINISHED GRADE

HOLD DOWN

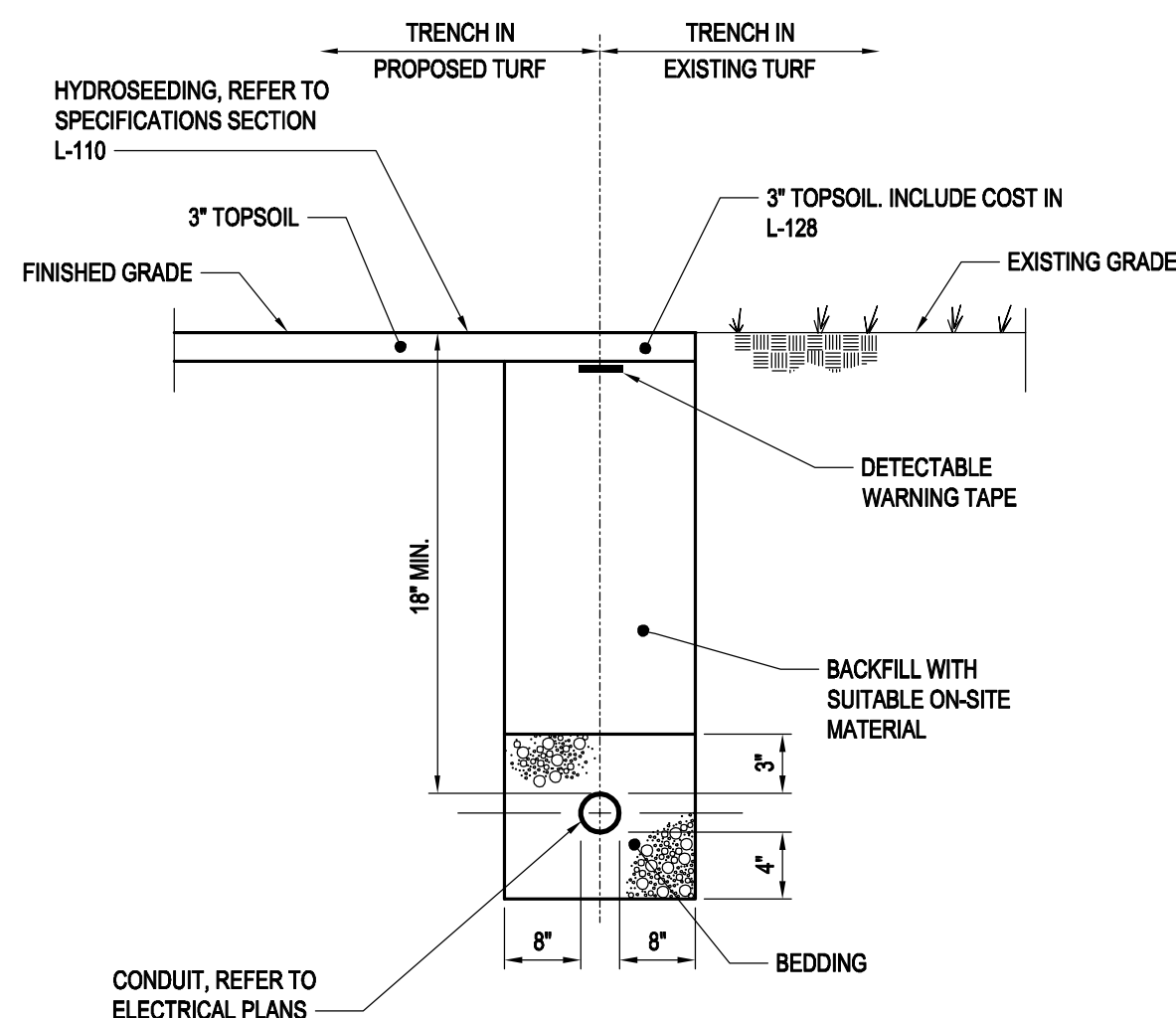
LOOP DETECTOR

PAVEMENT

1-1/2"x18" AS RECOMMENDED BY MANUFACTURER

NOTE:
USE SHORT (1" TYP.) PIECE OF FLEXIBLE NEOPRENE RUBBER OR PLASTIC TUBING OR ROUND FOAM SEALER STRIPS AT 2'-0" CENTERS TO HOLD LOOP WIRES IN PLACE UNTIL SEALER SETS. DO NOT USE SHARP OBJECTS TO HOLD WIRES DOWN.

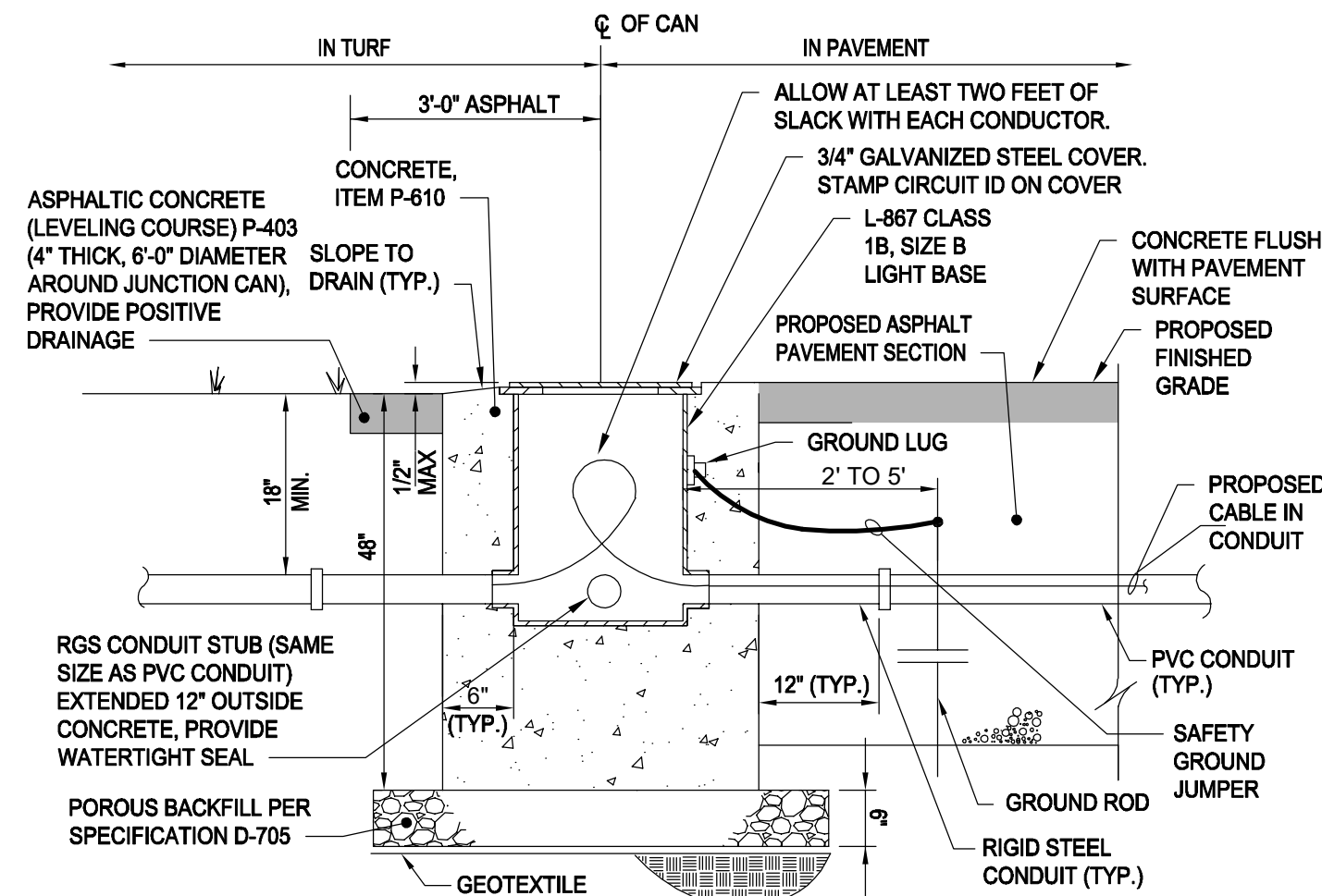
SCALE: NOT TO SCALE



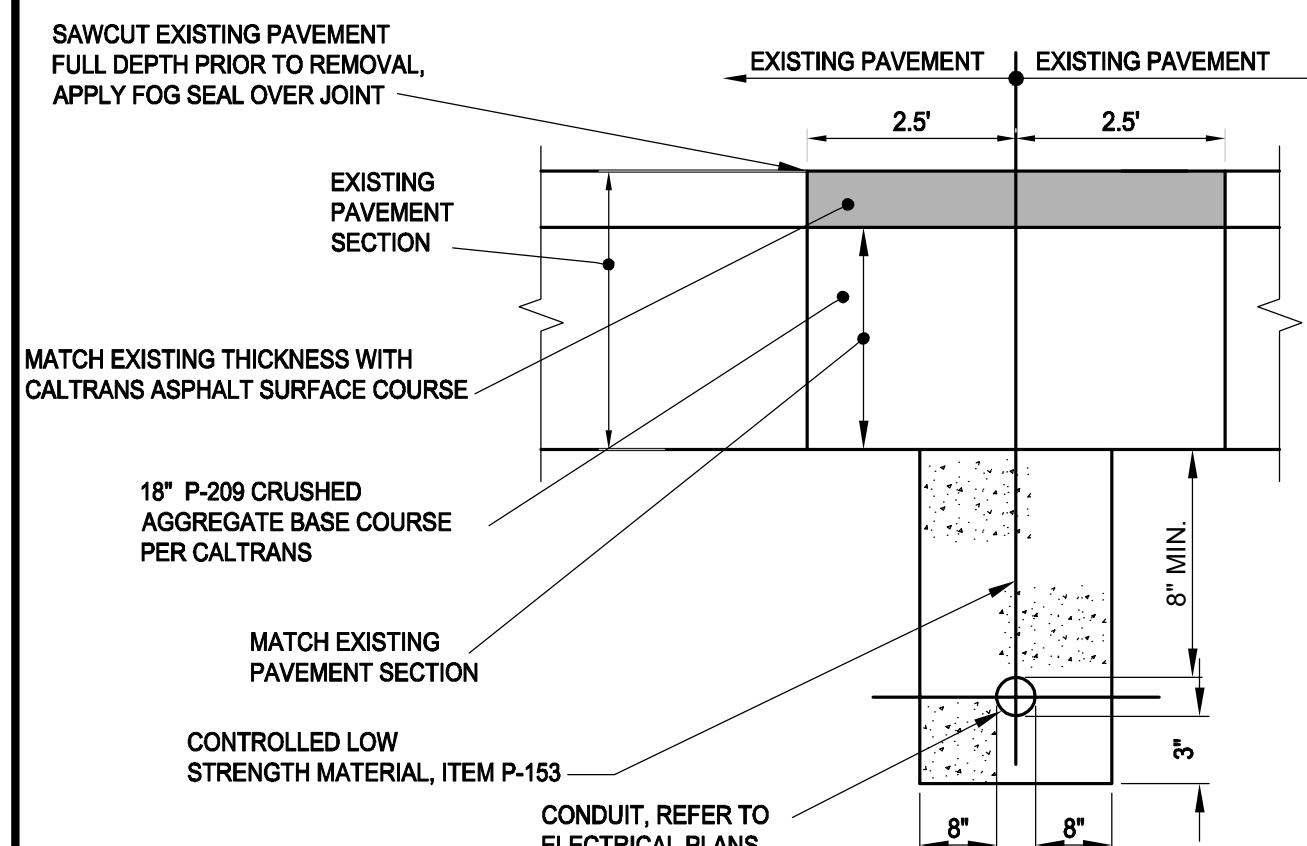
1. DETECTABLE WARNING TAPE SHALL BE INSTALLED PRIOR TO PLACING TOPSOIL.
2. RESTORE TRENCHED AREAS TO A CONDITION EQUAL TO ORIGINAL OR AS DIRECTED BY OWNER. NO SEPARATE PAYMENT WILL BE MADE FOR TRENCH RESTORATION.

SCALE: NOT TO SCALE

1. ALL JUNCTION CANS SHALL HAVE A MINIMUM OF FOUR CONDUIT STUBS SPACED 90 DEGREES APART. CAP CONDUIT IF STUB IS NOT OCCUPIED. ADDITIONAL CONDUIT STUBS MAY BE REQUIRED, SEE PLANS FOR EXACT NUMBER OF STUBS.
2. EXTERNALLY CONNECT A SAFETY GROUND JUMPER TO THE GROUND LUG AND ATTACH IT TO A 3/4" X 10 FT LONG (MIN.) GROUND ROD.
3. PROVIDE WATERTIGHT TERMINATIONS.
4. JUNCTION CAN SHALL BE INSTALLED SUCH THAT THE 3/4" PAVEMENT DAM RING IS 1/8" BELOW THE TOP OF CONCRETE.



SCALE: NOT TO SCALE



1. PROVIDE 3" BETWEEN MULTIPLE CONDUITS IN A CONDUIT TRENCH.
2. IN EXISTING PAVEMENT AREAS, THE CONTRACTOR SHALL RESTORE TRENCHED AREAS TO A CONDITION EQUAL TO ORIGINAL OR AS DIRECTED BY OWNER.
3. NO SEPARATE PAYMENT WILL BE MADE FOR TRENCH RESTORATION.

SCALE: NOT TO SCALE

**PERIMETER FENCE & GATE SYSTEM
UPGRADES PHASE II**

**NEVADA COUNTY AIRPORT
NEVADA COUNTY**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:	095.001.001	
DATE:	MARCH 2017	
DRAWN BY:	GT	
DESIGNED BY:	ACJ	
CHECKED BY:	JLB	

ELECTRICAL DETAILS

EL-504



C&S Engineers, Inc.
8950 Cal Center Drive, Suite 112
Sacramento, California 95826
Phone: 916-364-1470
www.cscos.com

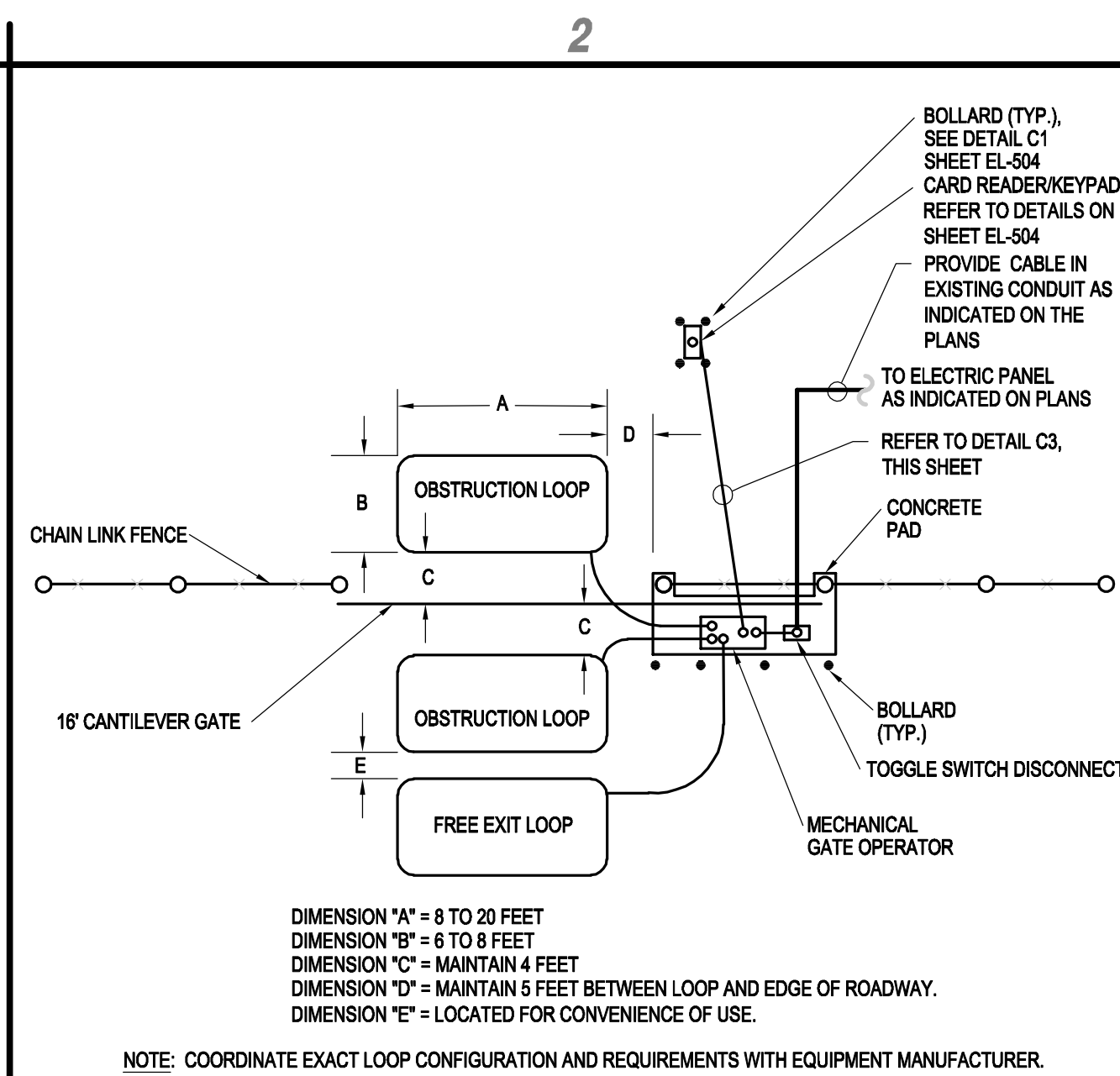


A01 - Perimeter Fence Project\Design Ph I\CAD\Sheet Files\095.006.001 11 FL-501-506 DETAIL S.dwg

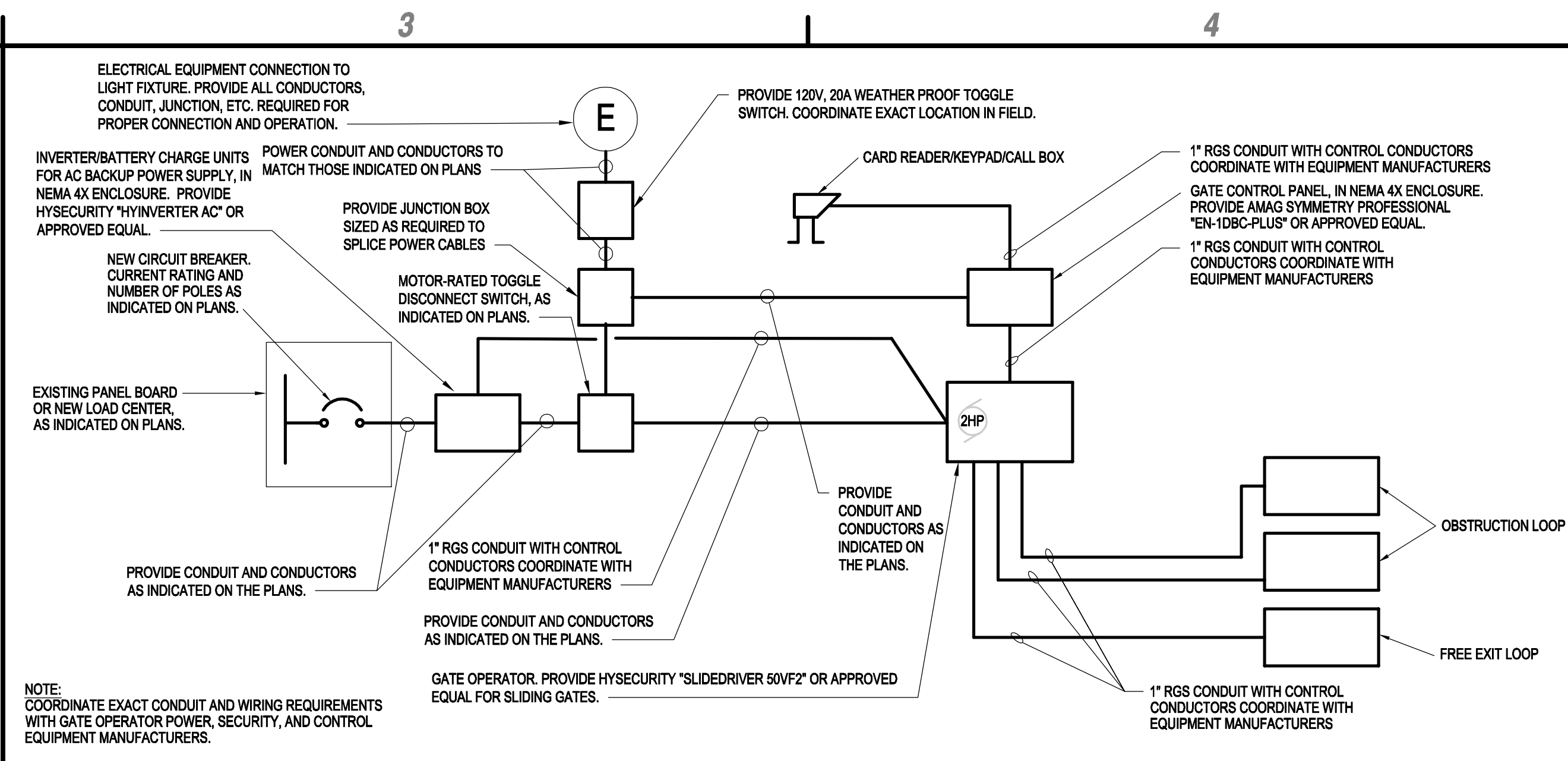
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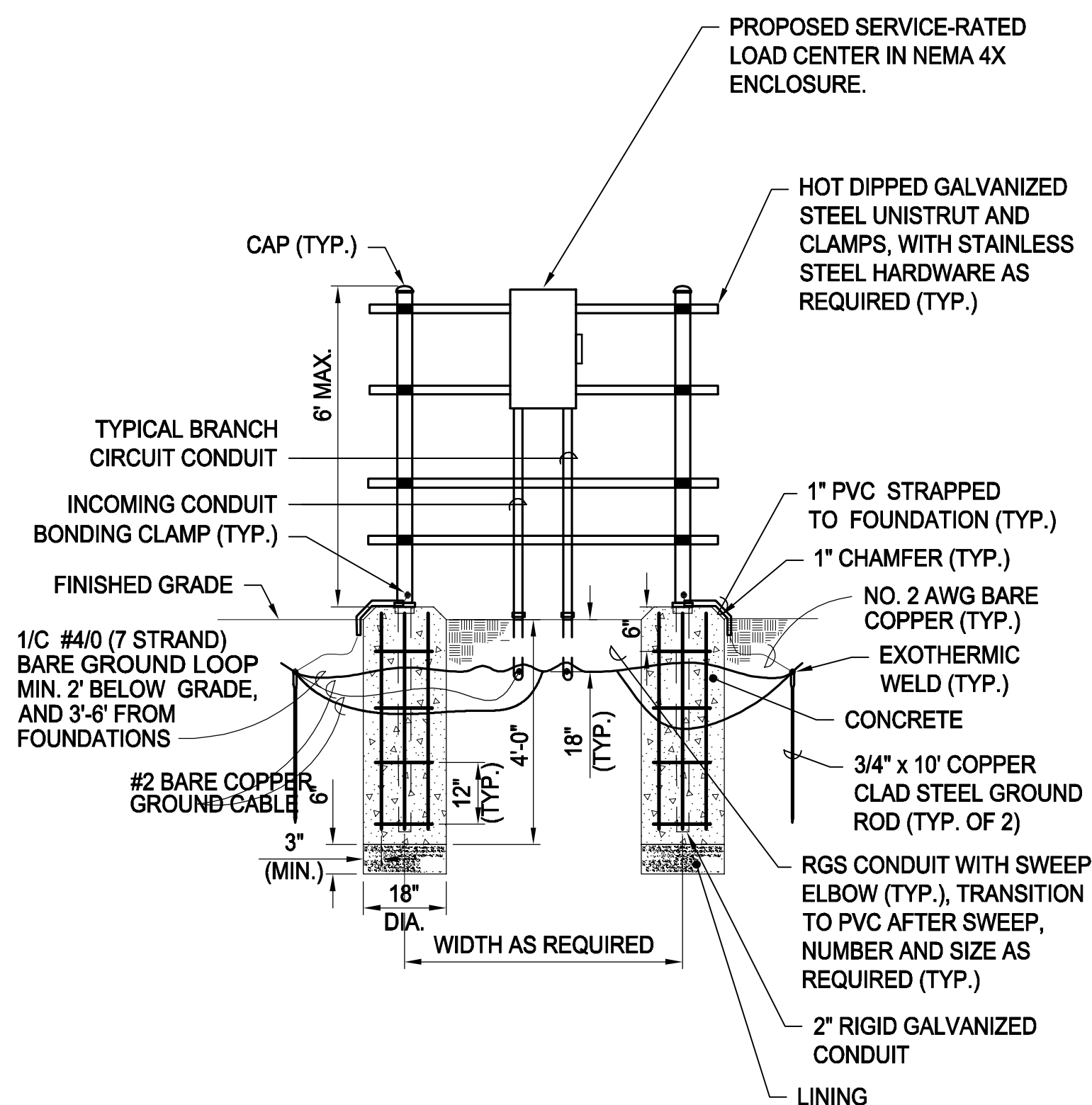
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C2	AUTOMATIC GATE OPERATOR PLAN
	SCALE: NOT TO SCALE



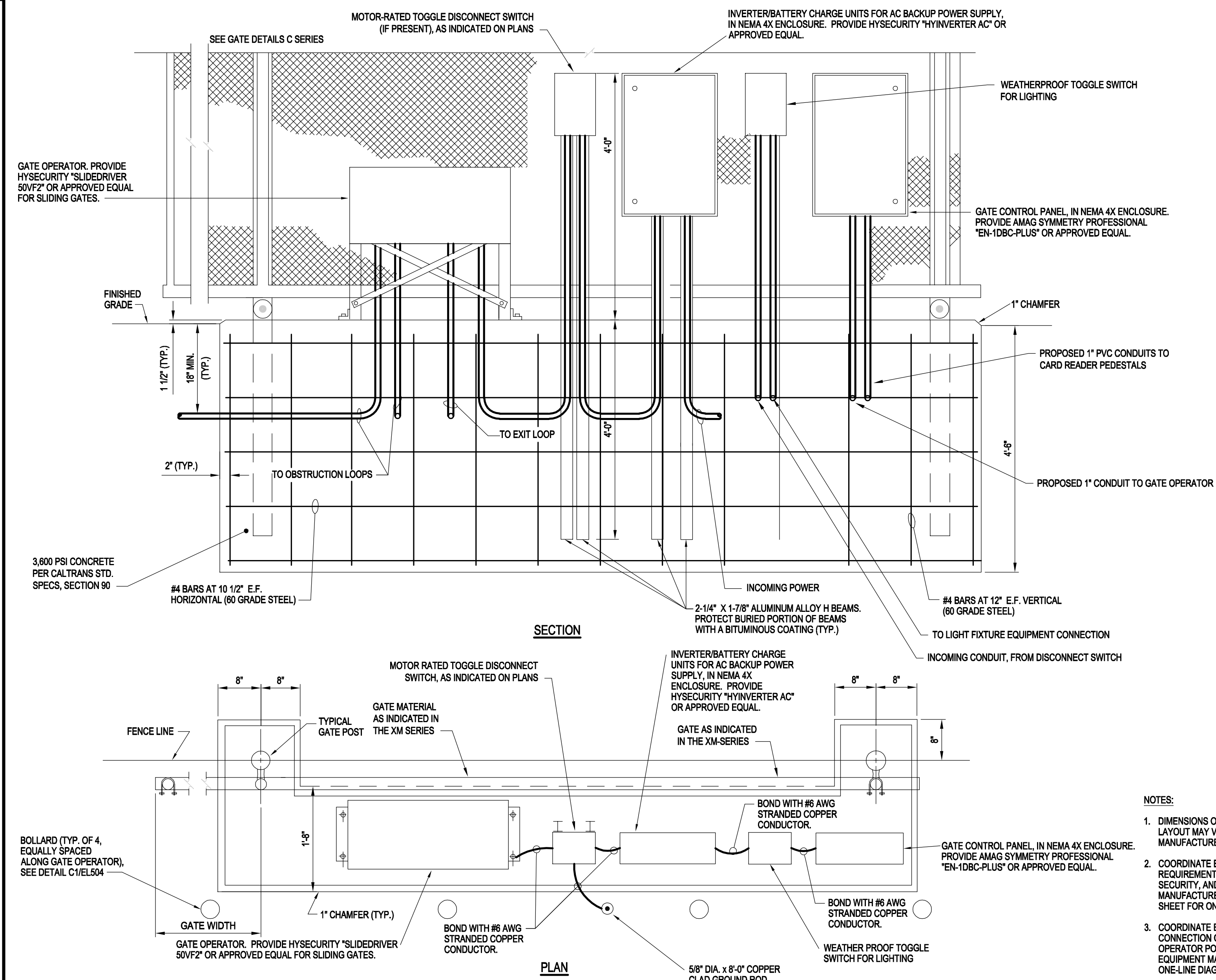
C3	AUTOMATIC GATE OPERATOR POWER, SECURITY, AND CONTROL ONE LINE DIAGRAM
	SCALE: NOT TO SCALE



NOTES:

1. SERVICE SHALL BE INSTALLED AND GROUNDED BASED ON THE NEC ARTICLES 230 & 250.
2. REFER TO ELECTRICAL PLANS FOR BRANCH CIRCUIT AND INCOMING FEEDER CONDUIT AND CABLE SIZES.

A1	LOAD CENTER MOUNTING DETAIL
	SCALE: NOT TO SCALE



NOTES:

1. DIMENSIONS OF CONCRETE PAD AND EQUIPMENT LAYOUT MAY VARY AND SHALL BE VERIFIED WITH MANUFACTURER
2. COORDINATE EXACT CONDUIT AND WIRING REQUIREMENTS WITH GATE OPERATOR POWER, SECURITY, AND CONTROL EQUIPMENT MANUFACTURERS. REFER TO DETAIL C1 ON THIS SHEET FOR ONE-LINE DIAGRAM.
3. COORDINATE EXACT EQUIPMENT LOCATIONS AND CONNECTION CONFIGURATION WITH GATE OPERATOR POWER, SECURITY, AND CONTROL EQUIPMENT MANUFACTURERS. COORDINATE WITH ONE-LINE DIAGRAM ON THIS SHEET.

A2	MECHANICAL GATE OPERATOR DETAIL
	SCALE: NOT TO SCALE



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Sacramento, California 95826
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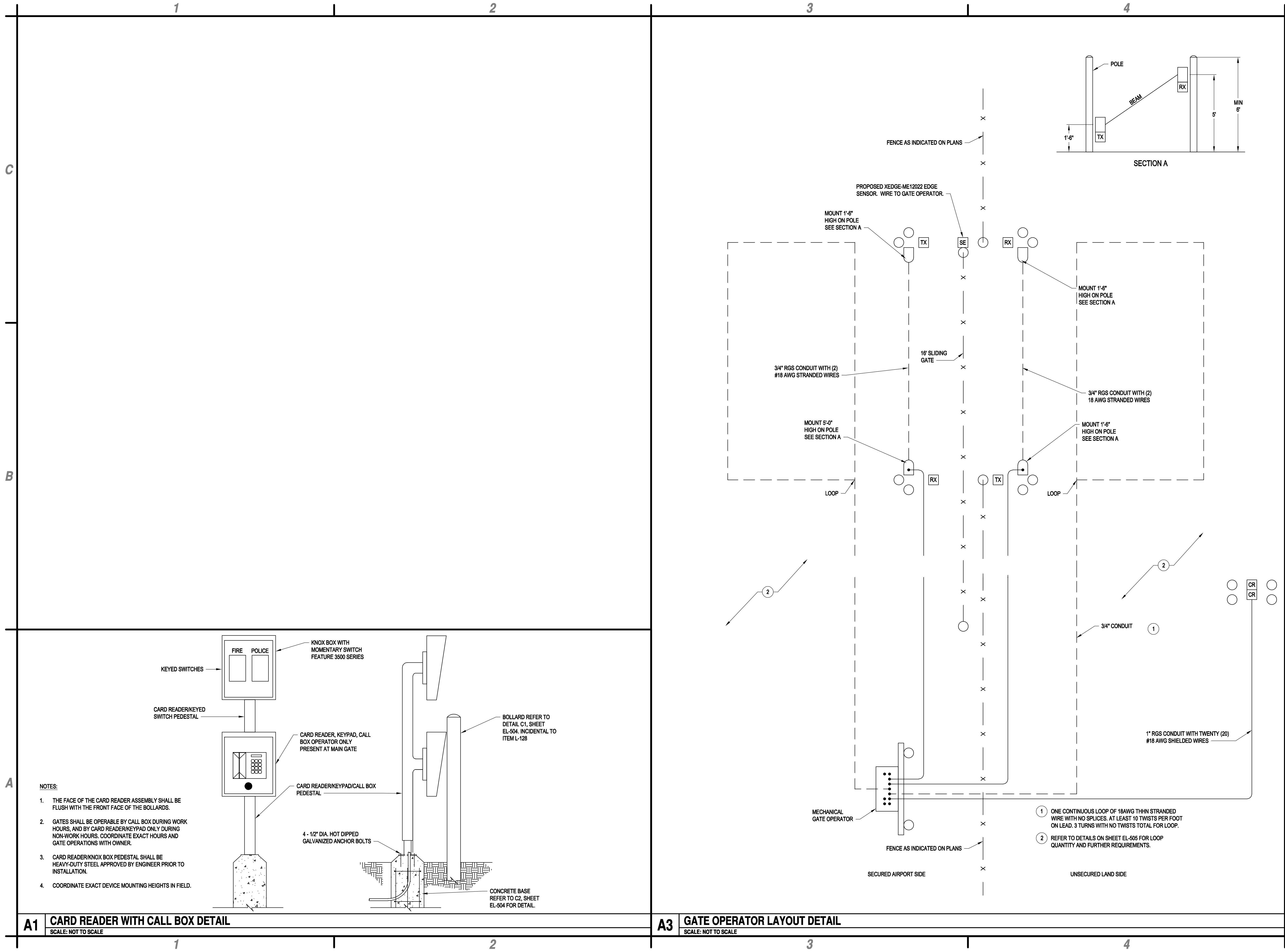
**PERIMETER FENCE & GATE SYSTEM
UPGRADES PHASE II**

**NEVADA COUNTY AIRPORT
NEVADA COUNTY**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:	095.001.001	
DATE:	MARCH 2017	
DRAWN BY:	GT	
DESIGNED BY:	ACJ	
CHECKED BY:	JLB	

ELECTRICAL DETAILS

EL-505



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Phone: 916-364-1470
www.cscos.com



**PERIMETER FENCE & GATE SYSTEM
UPGRADES PHASE II**

**NEVADA COUNTY AIRPORT
NEVADA COUNTY**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: O95.001.001		
DATE: MARCH 2017		
DRAWN BY: GT		
DESIGNED BY: ACJ		
CHECKED BY: JLB		

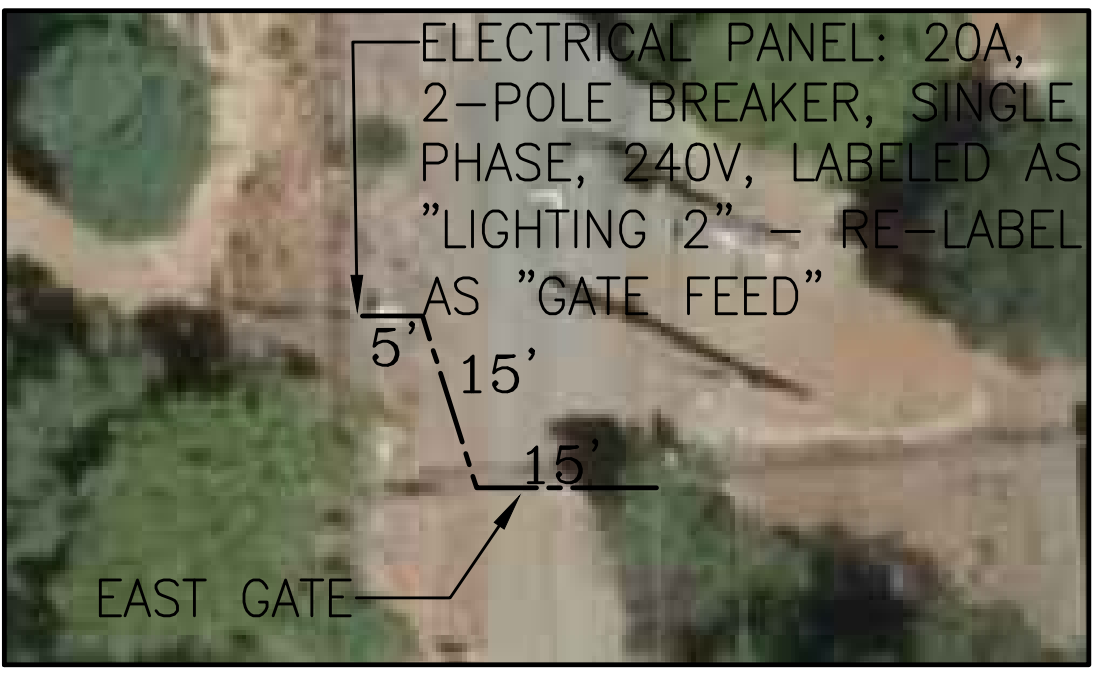
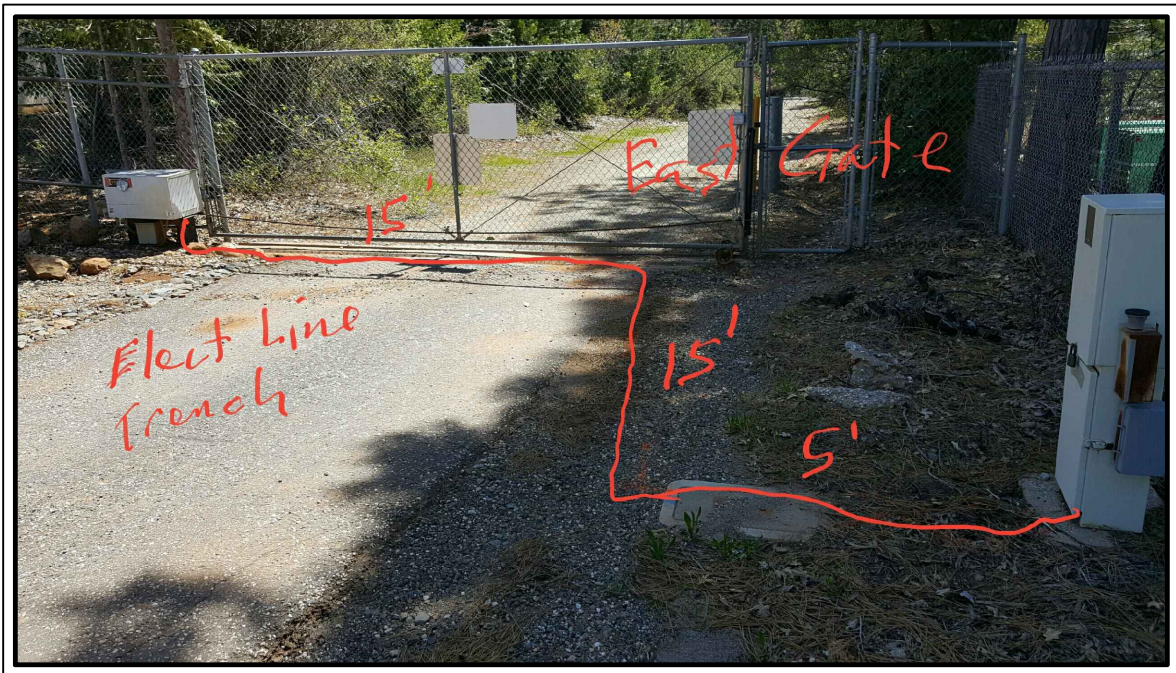
**ELECTRICAL
DETAILS**

EL-506

THIS SHEET IS FOR INFORMATION PURPOSES ONLY BASED ON INFORMATION PROVIDED TO THE COUNTY. THIS SHEET IS NOT CONSIDERED PART OF THE CONTRACT PLANS, BUT IS INCLUDED FOR REFERENCE ONLY. THE BIDDER SHOULD MAKE HIS/HER OWN DETERMINATION AS TO THE ACTUAL LOCATION OF THESE UTILITIES.



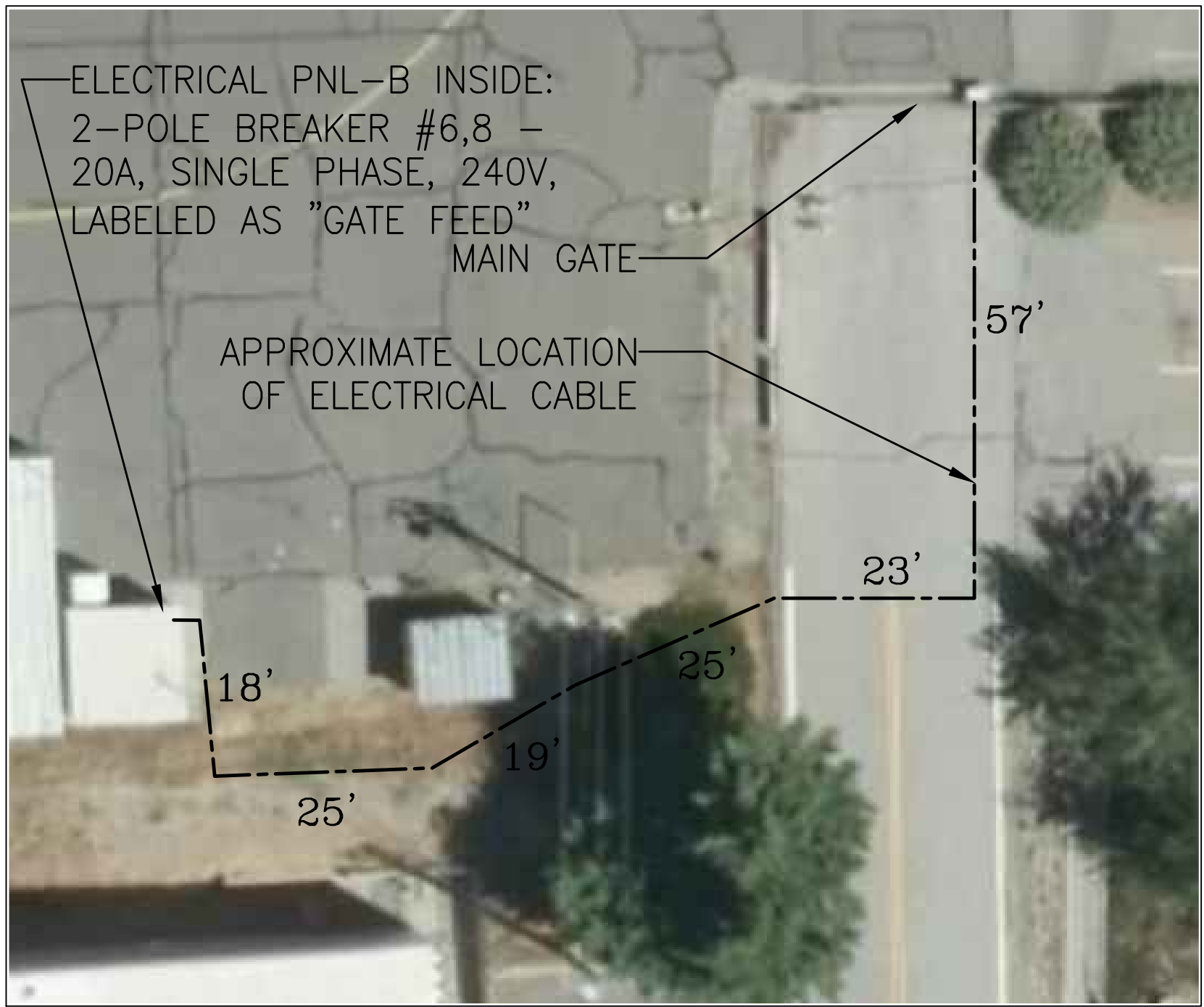
PANEL



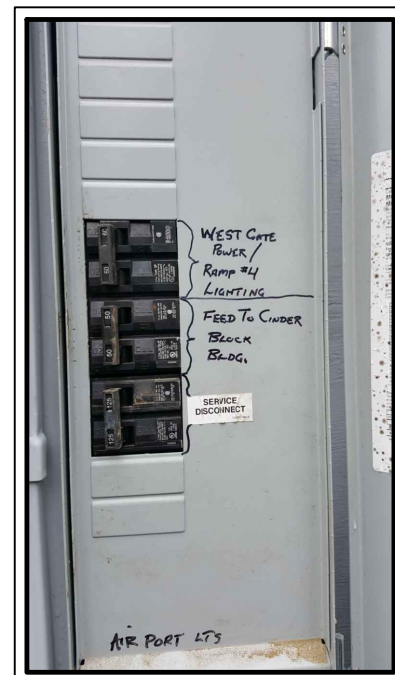
EAST GATE – ELECTRICAL CABLE LAYOUT TO PANEL



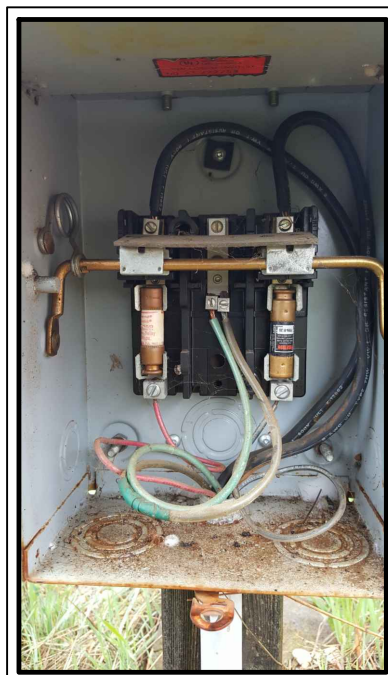
PNL-B



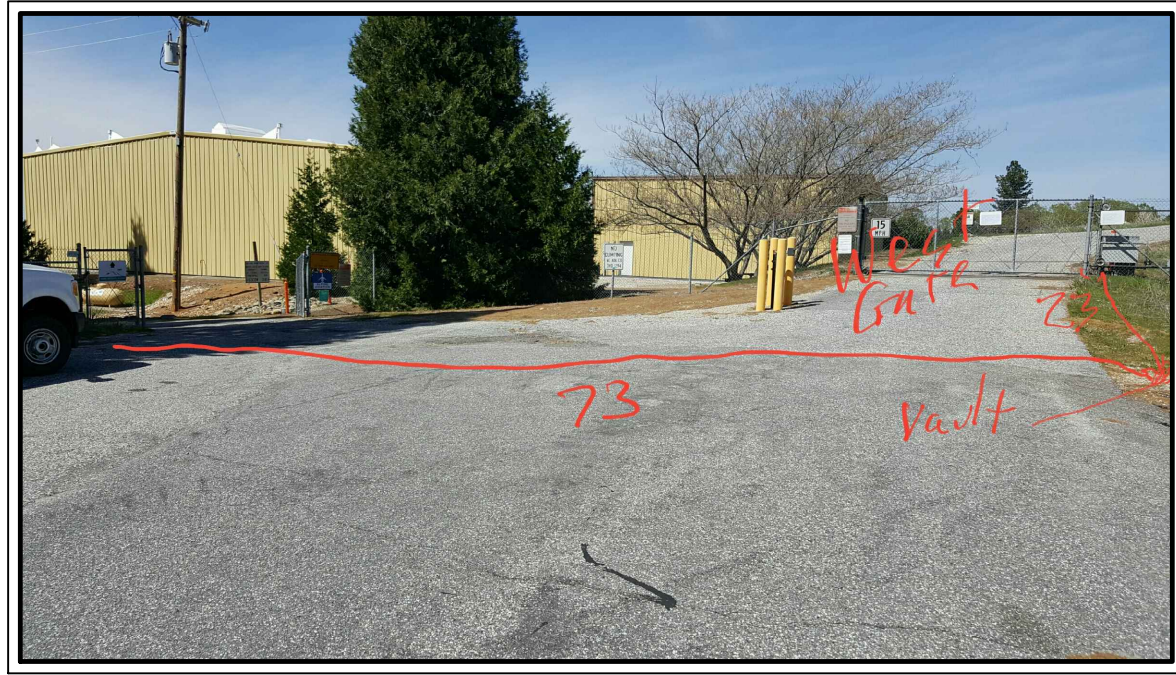
MAIN GATE – ELECTRICAL CABLE LAYOUT TO PANEL



PANEL IN NC CORP YARD



FUSED DISCONNECT



WEST GATE – ELECTRICAL CABLE LAYOUT TO PANEL

REVISIONS			
NO.	DESCRIPTION	BY	DATE

COUNTY of NEVADA
FACILITIES MANAGEMENT
10014 N BLOOMFIELD
NEVADA CITY, CA 95969

PERIMETER FENCE & GATE SYSTEM UPGRADES
NEVADA COUNTY AIRPORT
GATES – AS-BUILT ELECTRICAL EXHIBIT

DRAWING: SDM21164-1
DESIGNED: MEL H.
DRAWN: MEL H.
CHECKED: LEE O.
JOB NO: SDM21164
DATE: 04/06/2017

SHEET
A-1
OF XX SHEETS