



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

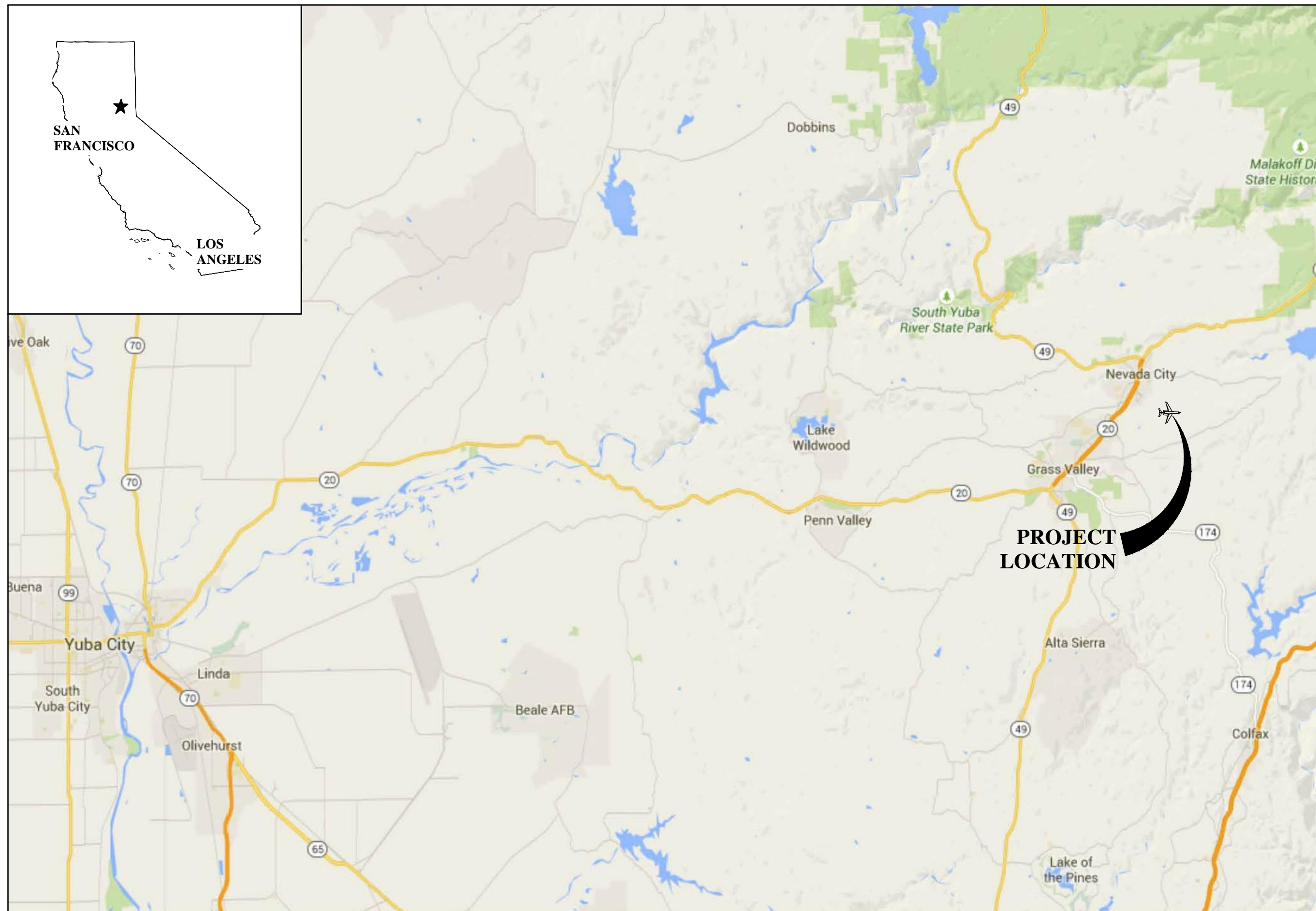
## NEVADA COUNTY AIRPORT

### NEVADA COUNTY STATE OF CALIFORNIA

FAA PROJECT: 3-06-0095-TBD

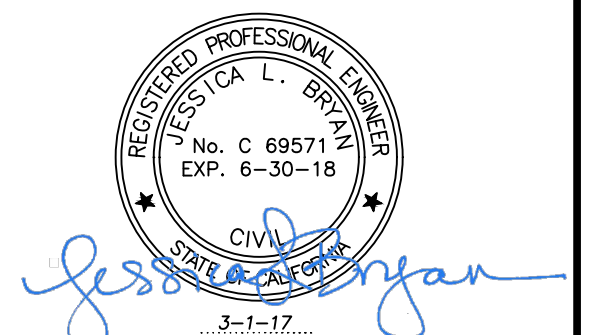
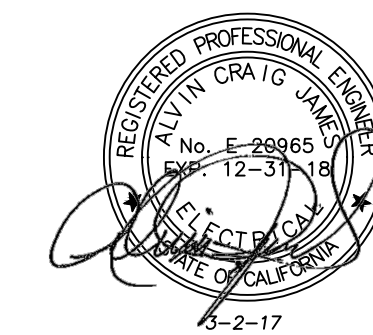
C&S PROJECT: 095.001.001

**MAY 2017**



**PROJECT  
LOCATION**

**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

Underground Service Alert



Call: TOLL FREE  
"811"

TWO WORKING DAYS BEFORE YOU DIG

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

**G-001**

May 03, 2017 - 10:27am  
FA Project\095 - Nevada County, CA\095.001.001 - Perimeter Fence Project\Design Ph. I\CAD\Sheet Files\095.001.001\_G-001\_COVER\_SHEET.dwg

- 0 — EXISTING RUNWAY/TAXIWAY CENTERLINE
- P — EXISTING AIRPORT PROPERTY LINE
- - - - - EXISTING AVIGATION EASEMENT BOUNDARY
- - - - - ROW EXISTING ROADWAY BOUNDARY
- — — — — EXISTING EDGE OF WATER
- EXISTING WETLAND LOCATION
- EXISTING EDGE OF WOODS
- EXISTING CONIFEROUS TREE
- EXISTING DECIDUOUS TREE
- - - - - 416 EXISTING CONTOUR LINE
- x - x - x - EXISTING FENCE LINE
- x - x - x - EXISTING SINGLE SWING GATE
- x - x - x - EXISTING DOUBLE SWING GATE
- x - x - x - EXISTING CANTILEVER GATE
- EXISTING GUIDE RAIL
- EXISTING STONE WALL
- - - - - 12" EXISTING DRAINAGE LINE
- - - - - 6"UD EXISTING UNDERDRAIN
- °CO EXISTING UNDERDRAIN CLEANOUT
- CB CB EXISTING CATCH BASIN
- DMH EXISTING DRAINAGE MANHOLE
- EXISTING HEADWALL
- EXISTING PIPE END SECTION
- - - - - 6" W EXISTING WATER LINE
- EXISTING HYDRANT
- °WV EXISTING WATER VALVE
- EXISTING DOMESTIC WATER METER
- - - - - 12" SAN EXISTING SANITARY LINE
- SMH EXISTING SANITARY MANHOLE
- EXISTING WATER METER
- EXISTING IRRIGATION VALVE
- WR EXISTING WATER RISER/SPIGOT
- - - - - G EXISTING GAS LINE
- °GV EXISTING GAS VALVE
- EXISTING GAS LINE MARKER
- - - - - T EXISTING UNDERGROUND TELEPHONE LINE
- - - - - OHT EXISTING OVERHEAD TELEPHONE LINE
- T EXISTING TELEPHONE JUNCTION BOX
- TMH EXISTING TELEPHONE MANHOLE
- - - - - EXISTING UNDERGROUND ELECTRIC LINE
- - - - - OHE EXISTING OVERHEAD ELECTRIC LINE
- LP EXISTING LIGHT POLE
- UP 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
- ° MW EXISTING MONITORING WELL
- ° OW EXISTING OBSERVATION WELL
- EXISTING HOLDING POSITION LIGHT
- ° SS EXISTING SURFACE SENSOR
- ° EXISTING RETROREFLECTIVE MARKER
- EXISTING AIRFIELD GUIDANCE SIGN
- EXISTING REIL UNIT
- ° EXISTING ELECTRICAL DISCONNECT
- EXISTING TRANSFORMER
- ∇ EXISTING WIND CONE

- ∇ EXISTING LIGHTED WIND CONE
- EMH EXISTING ELECTRICAL MANHOLE
- PB EXISTING PULLBOX
- JC EXISTING JUNCTION CAN
- T-2 EXISTING CIRCUIT LABEL
- EXISTING AIRFIELD LIGHTING CABLE IN TRENCH
- EXISTING AIRFIELD LIGHTING CABLE IN CONDUIT
- 4WDB EXISTING DUCT BANK
- — — — — EXISTING SURVEY BASELINE
- IR-2 EXISTING SURVEY BASELINE POINT
- SC-4 EXISTING SURVEY CONTROL POINT
- BM 1 EXISTING BENCHMARK LOCATION
- IRF IRON ROD FOUND
- - - - - PROPOSED UNDERGROUND ELECTRIC LINE
- PROPOSED BOLLARD OR POST
- PROPOSED SILT FENCE LOCATION
- BARRICADE LOCATION WITH WORK AREA DESIGNATION
- - - - - WORK AREA LIMITS

SHEET REFERENCE NO.	TITLE
G-001	TITLE SHEET
G-002	SHEET INDEX, LEGEND AND QUANTITIES
G-003	GENERAL NOTES
G-100	KEY MAP
G-101	GENERAL PLAN
G-102-103	CONSTRUCTION SAFETY PHASING PLAN
G-104-105	EROSION CONTROL PLAN
CD-101-106	FENCE DEMOLITION PLAN
C-101-107	FENCE PLAN
C-501-502	FENCE DETAILS
C-503	SIGN DETAILS AND SCHEDULE
EL-501	CANTILEVER GATE PLAN - GATE NO. 1
EL-502	CANTILEVER GATE PLAN - GATE NO. 3
EL-503	CANTILEVER GATE PLAN - GATE NO. 7
EL-504-506	ELECTRICAL DETAILS
A-1	GATES - AS-BUILT ELECTRICAL EXHIBIT

**B3 SHEET INDEX**  
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Underground Service Alert

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ABBREVIATIONS	ABBREVIATIONS
ABAN - ABANDONED	PAV'T. - PAVEMENT
APPROX. - APPROXIMATE	PC - POINT OF CURVATURE
ASPH. - ASPHALT	PCC - PORTLAND CEMENT CONCRETE
AST - ABOVE GROUND STORAGE TANK	PAVEMENT
BC - BEGIN CURVE	PI - POINT OF INTERSECTION
BLDG. - BUILDING	R - PROPERTY LINE
BM - BENCH MARK	PT - POINT OF TANGENCY
CIP - CAST IRON PIPE	PVI - POINT OF VERTICAL INTERSECTION
CONC. - CONCRETE	PVC - POINT OF CURVATURE (VERTICAL CURVE)
CMP - CORRUGATED METAL PIPE	PVC - POLYVINYL CHLORIDE PIPE
CMPA - CORRUGATED ARCHED METAL PIPE	PVT - POINT OF TANGENCY (VERTICAL CURVE)
CSP - CORRUGATED STEEL PIPE	R - RADIUS
DIA. - DIAMETER	RCP - REINFORCED CONCRETE PIPE
EC - END OF CURVE	ROFA - RUNWAY OBJECT FREE AREA
ELEV. - ELEVATION	RSA - RUNWAY SAFETY AREA
EOP - EDGE OF PAVEMENT	ROW - RIGHT OF WAY
FF - FINISH FLOOR	RPZ - RUNWAY PROTECTION ZONE
FL - FLOW LINE	RT - RIGHT
FG - FINISH GRADE	RW - RUNWAY
FND. - FOUNDATION	SHDR. - SHOULDER
FS - FINISH SURFACE	SICPP - SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE
GB - GRADE BREAK	STA. - STATION
HP - HIGH POINT	TC - TOP OF CURB
IE - INVERT ELEVATION	TD - TOP OF DIKE
LT - LEFT	TF - TOP OF FOOTING
LP - LOW POINT	TOFA - TAXIWAY OBJECT FREE AREA
MAX. - MAXIMUM	TSA - TAXIWAY SAFETY AREA
MIN. - MINIMUM	TW - TOP OF WALL
MISC. - MISCELLANEOUS	TWY - TAXIWAY
NA - NOT APPLICABLE	TYP. - TYPICAL
OFA - OBJECT FREE AREA	UD - UNDERDRAIN
O.C. - ON CENTER	

ITEM	FAA NO	SPEC	DESCRIPTION	QUANTITY	UNITS
<b>BASE BID</b>					
1	P-151		CLEARING & GRUBBING	13,600	SY
2	P-156		TEMPORARY AIR AND WATER POLLUTION, SOIL EROSION AND SILTATION CONTROL	1	LS
3	F-162		8-FOOT PVC COATED CHAIN LINK FENCE	6,100	LF
4	F-162		4-FOOT PRE-HUNG PEDESTRIAN GATE WITH CIPHER LOCK	5	EACH
5	F-162		16-FOOT AUTOMATIC CANTILEVER VEHICLE GATE WITH CARD READER/KEY PAD/ CALL BOX/KNOX	1	EACH
6	F-162		16-FOOT AUTOMATIC CANTILEVER VEHICLE GATE WITH CARD READER/KEY PAD/KNOX BOX	1	EACH
7	F-162		12-FOOT AUTOMATIC CANTILEVER VEHICLE GATE WITH CARD READER/KEY PAD/KNOX BOX	1	EACH
8	F-162		12-FOOT MANUAL DOUBLE SWING VEHICLE GATES	1	EACH
9	F-162		16-FOOT MANUAL DOUBLE SWING VEHICLE GATES	1	EACH
10	F-162		20-FOOT MANUAL DOUBLE SWING VEHICLE GATES	2	EACH
11	F-162		REMOVAL OF EXISTING FENCE AND GATES	5,900	LF
12	M-150		PROJECT SURVEY & STAKEOUT	1	LS
13	SEC105		MOBILIZATION (6% MAXIMUM)	1	LS
14	CAL		CLASS 2 AGGREGATE BASE	8	CY

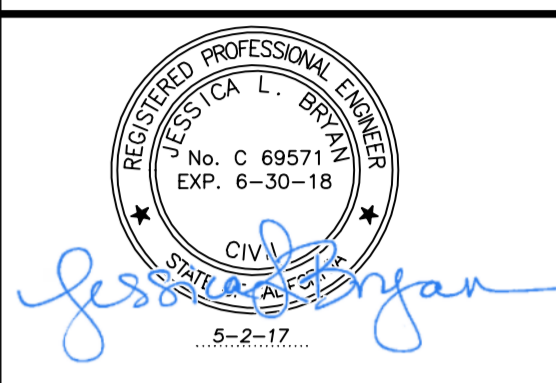
**A1 LEGEND**  
NOT TO SCALE

**A2 ABBREVIATIONS**  
NOT TO SCALE

**A3 QUANTITIES**  
NOT TO SCALE



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

**NEVADA COUNTY AIRPORT  
NEVADA COUNTY**

May 02, 2017 - 1:19pm - Nevada County, CA\095.001.001 - Perimeter Fence Project\Design - Pk - \CADD\Sheet Files\095.005.005.001\_2 - G-002 SHEET INDEX - LEGEND AND QUANTITIES.dwg

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

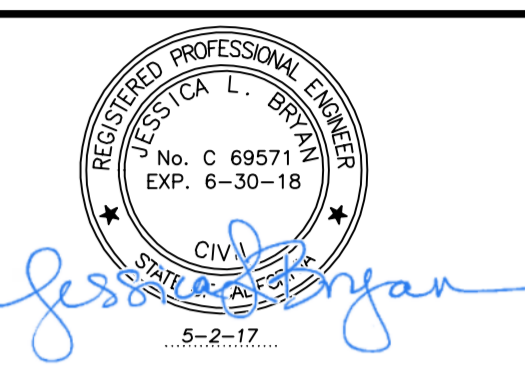
**SHEET INDEX,  
LEGEND  
AND QUANTITIES**

**G-002**

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

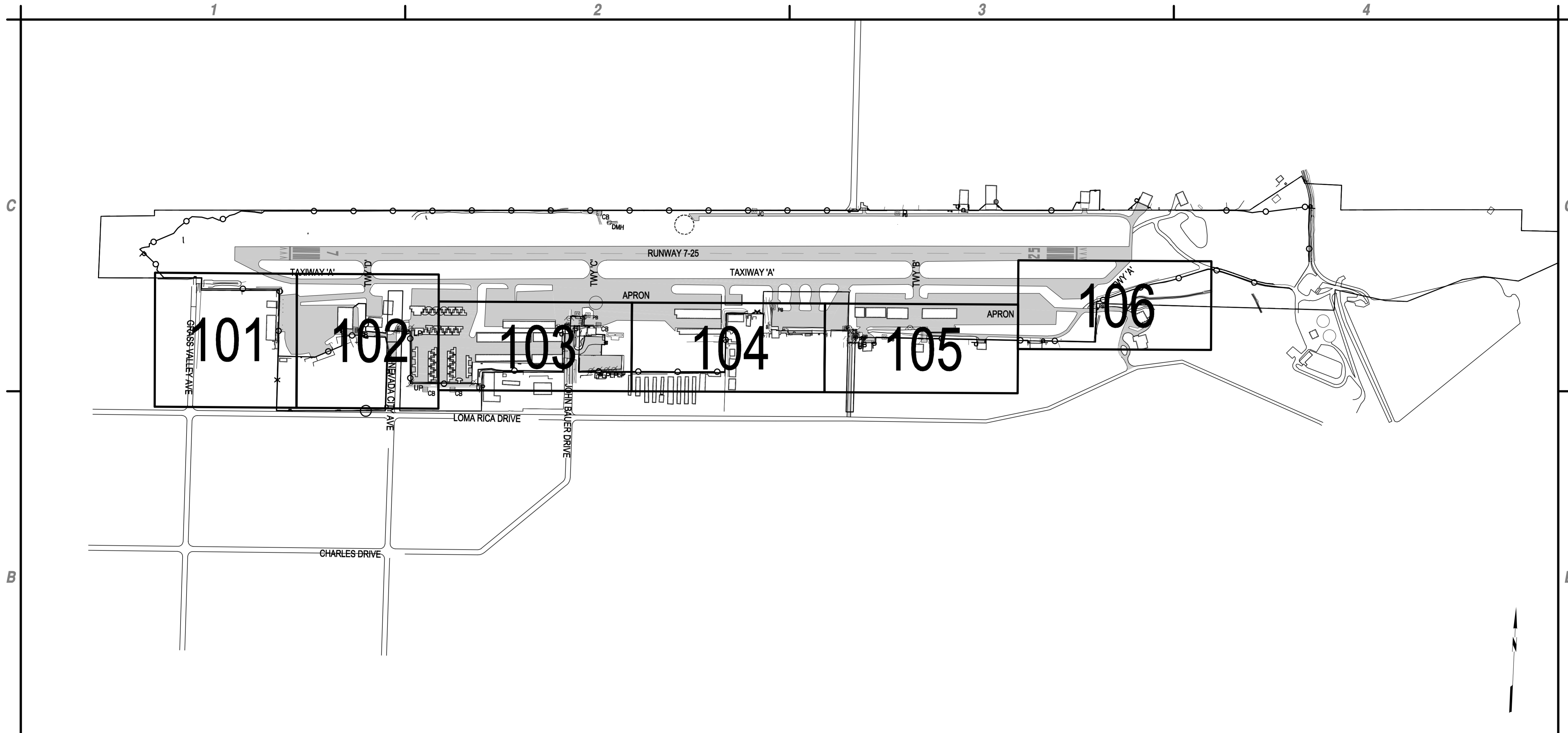
MARK	DATE	DESCRIPTION
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PROJECT NO: O95.001.001		
DATE: MAY 2017		
DRAWN BY: GT		
DESIGNED BY: GT		
CHECKED BY: JLB		

**GENERAL NOTES**

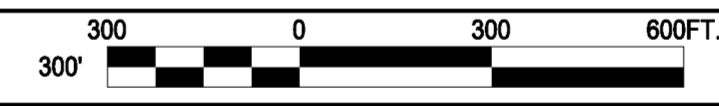
**G-003**

**A1 GENERAL NOTES**  
 NOT TO SCALE

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**B1** KEY MAP  
SCALE: 1" = 300'

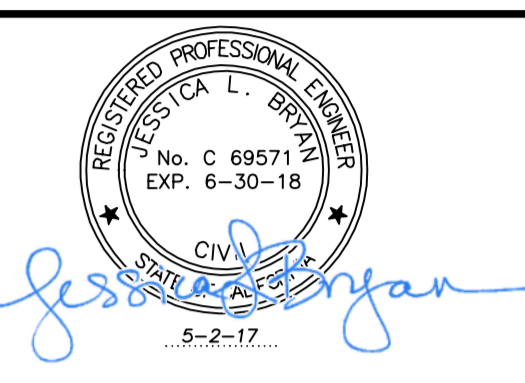


**A1** NOT USED  
SCALE: NOT TO SCALE

**A3** NOT USED  
SCALE: NOT TO SCALE



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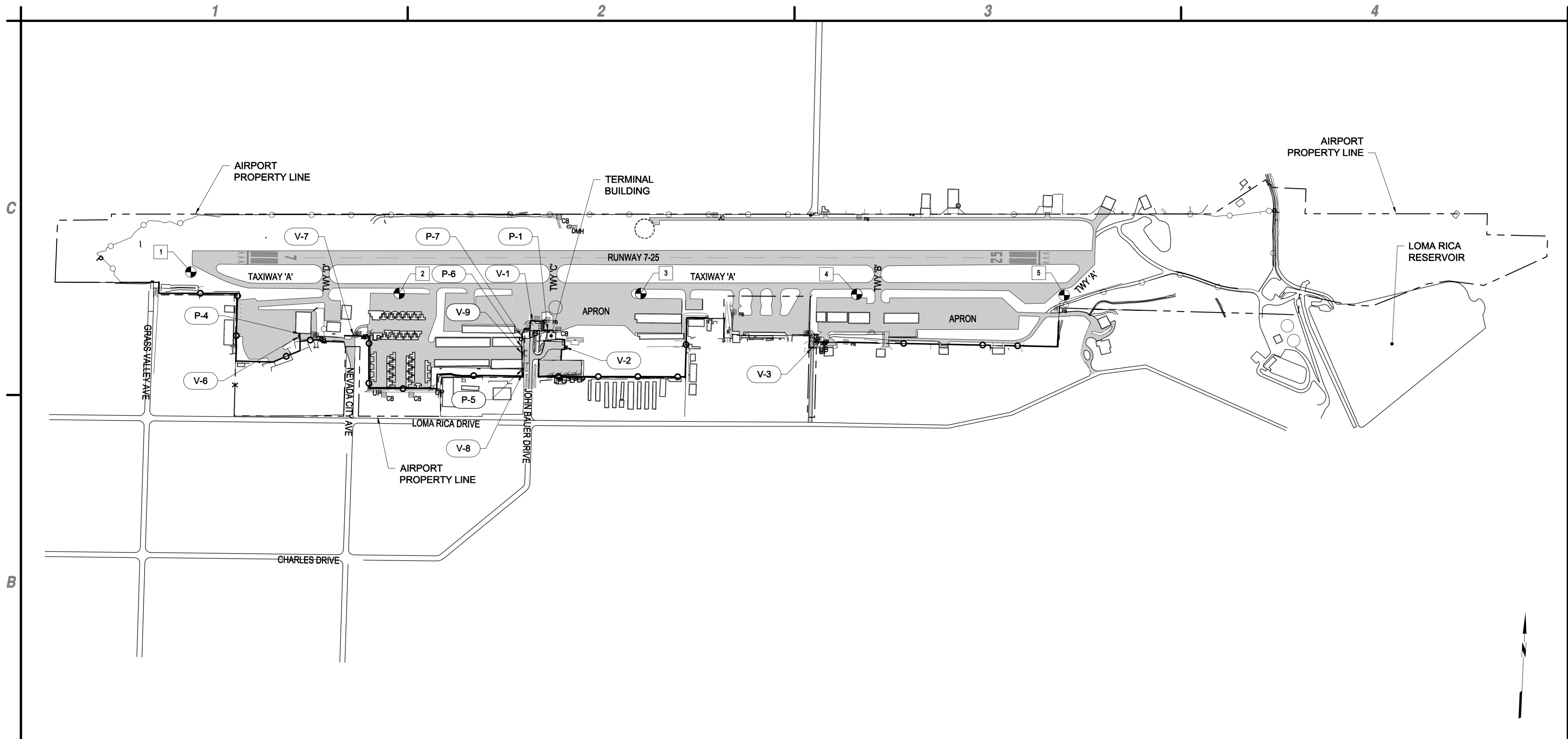
**PERIMETER FENCE & GATE SYSTEM  
UPGRADES, PHASE II**  
**NEVADA COUNTY AIRPORT**  
**NEVADA COUNTY**

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DATE:		MAY 2017
DRAWN BY:		GT
DESIGNED BY:		GT
CHECKED BY:		JLB

**KEY MAP**

**G-100**



**B1 GENERAL PLAN**  
SCALE: 1" = 300'

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.

**A1 CONTROL POINTS**  
SCALE: NOT TO SCALE

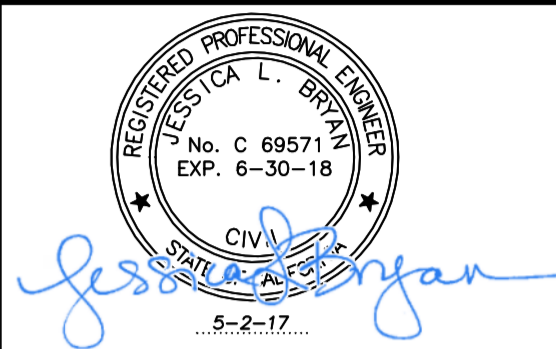
GATE #	TYPE
V-1	CANTILEVER VEHICLE (A)
V-2	DOUBLE SWING MANUAL (M)
V-3	CANTILEVER VEHICLE (A)
V-6	DOUBLE SWING VEHICLE (M)
V-7	CANTILEVER VEHICLE (A)
V-8	DOUBLE SWING VEHICLE (M)
V-9	DOUBLE SWING VEHICLE (M)

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

**A3 GATE SCHEDULE**  
SCALE: NOT TO SCALE



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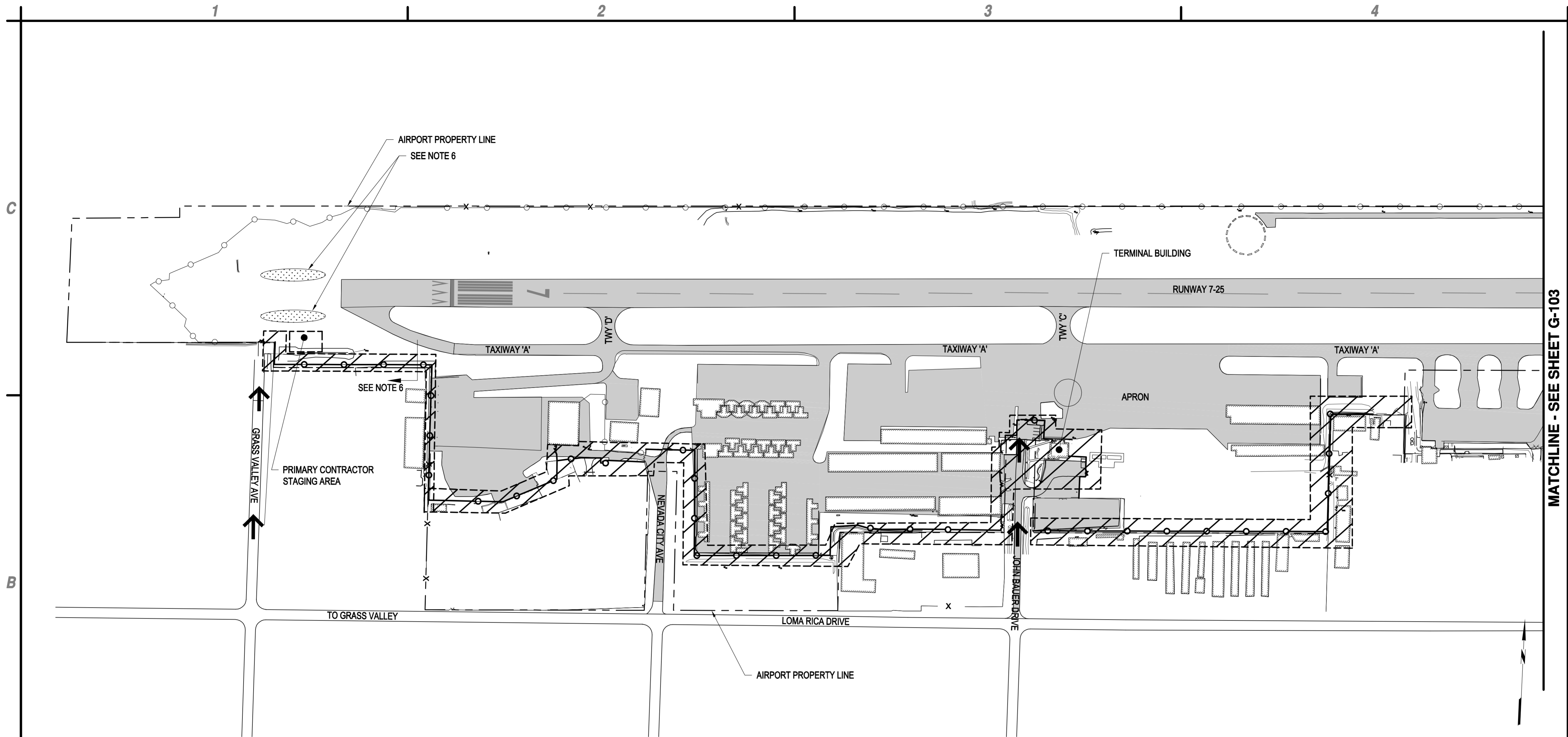
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CHECKED BY: JLB		

**GENERAL PLAN**

**G-101**

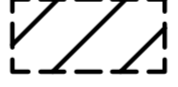

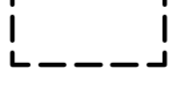

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**B1 CONSTRUCTION SAFETY PHASING PLAN**  
SCALE: 1" = 150'

- 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.

**A1 NOTES**  
SCALE: NOT TO SCALE

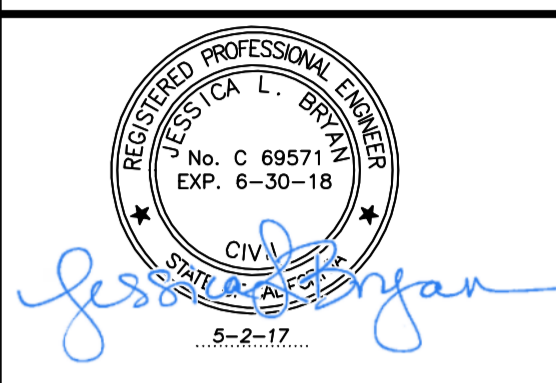
-  WORK AREA LIMITS
-  PROPOSED DIRECTION OF CONSTRUCTION TRAFFIC
-  STAGING AREA
-  VEGETATION SPOILS AREA

**A3 LEGEND**  
SCALE: NOT TO SCALE

**A4 NOT USED**  
SCALE: NOT TO SCALE



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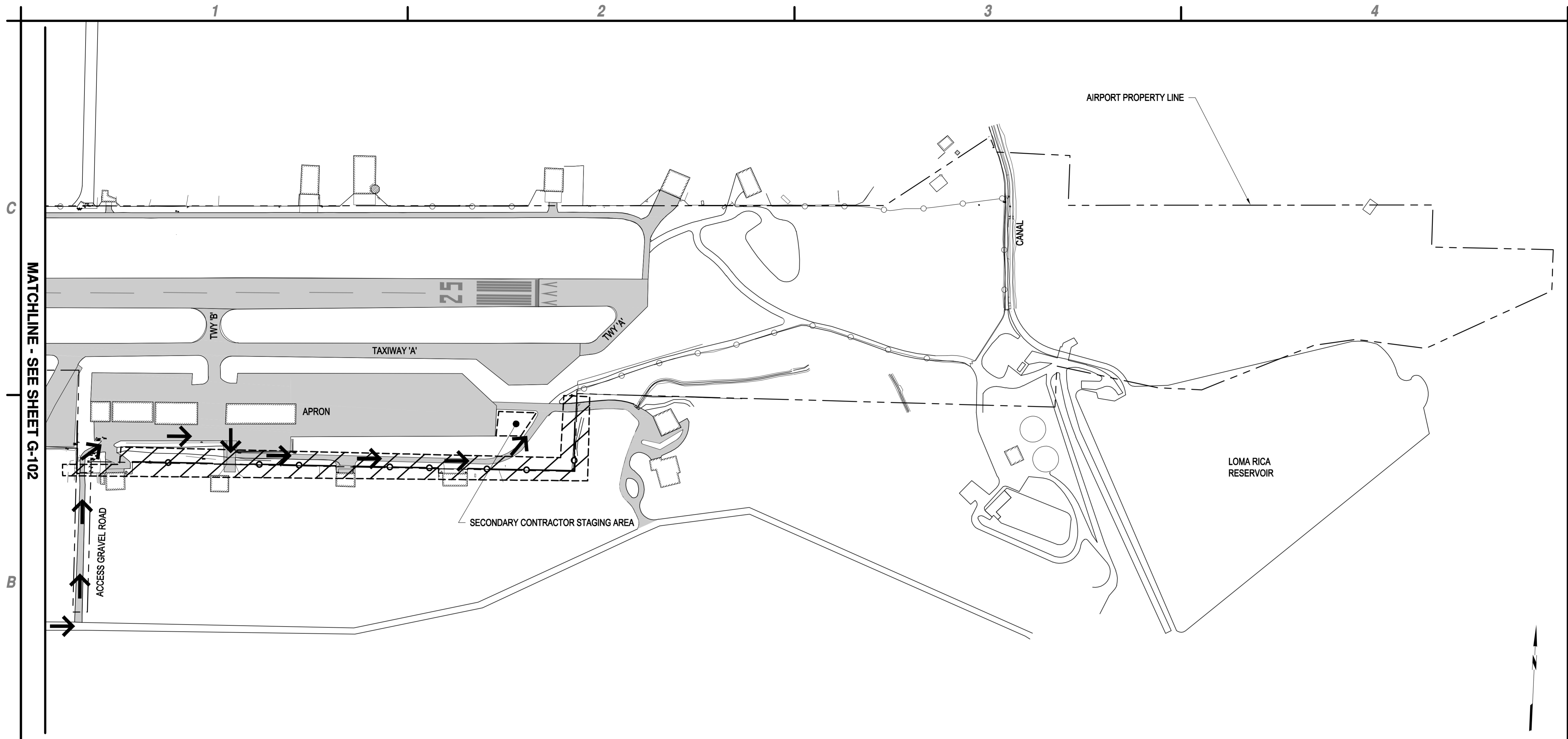
**PERIMETER FENCE & GATE SYSTEM  
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DRAWN BY: MCN		
DESIGNED BY: GT		
CHECKED BY: JLB		

**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

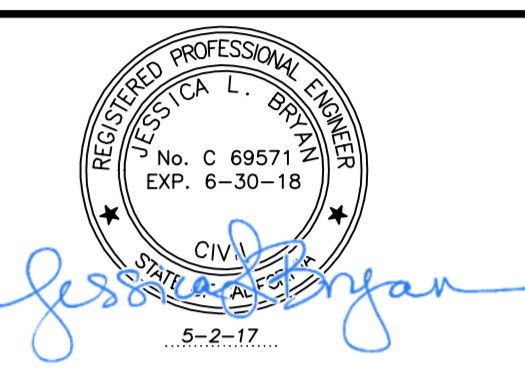
**A3 LEGEND**  
SCALE: NOT TO SCALE

- 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**

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

**CONSTRUCTION  
SAFETY  
PHASING PLAN**

**G-103**

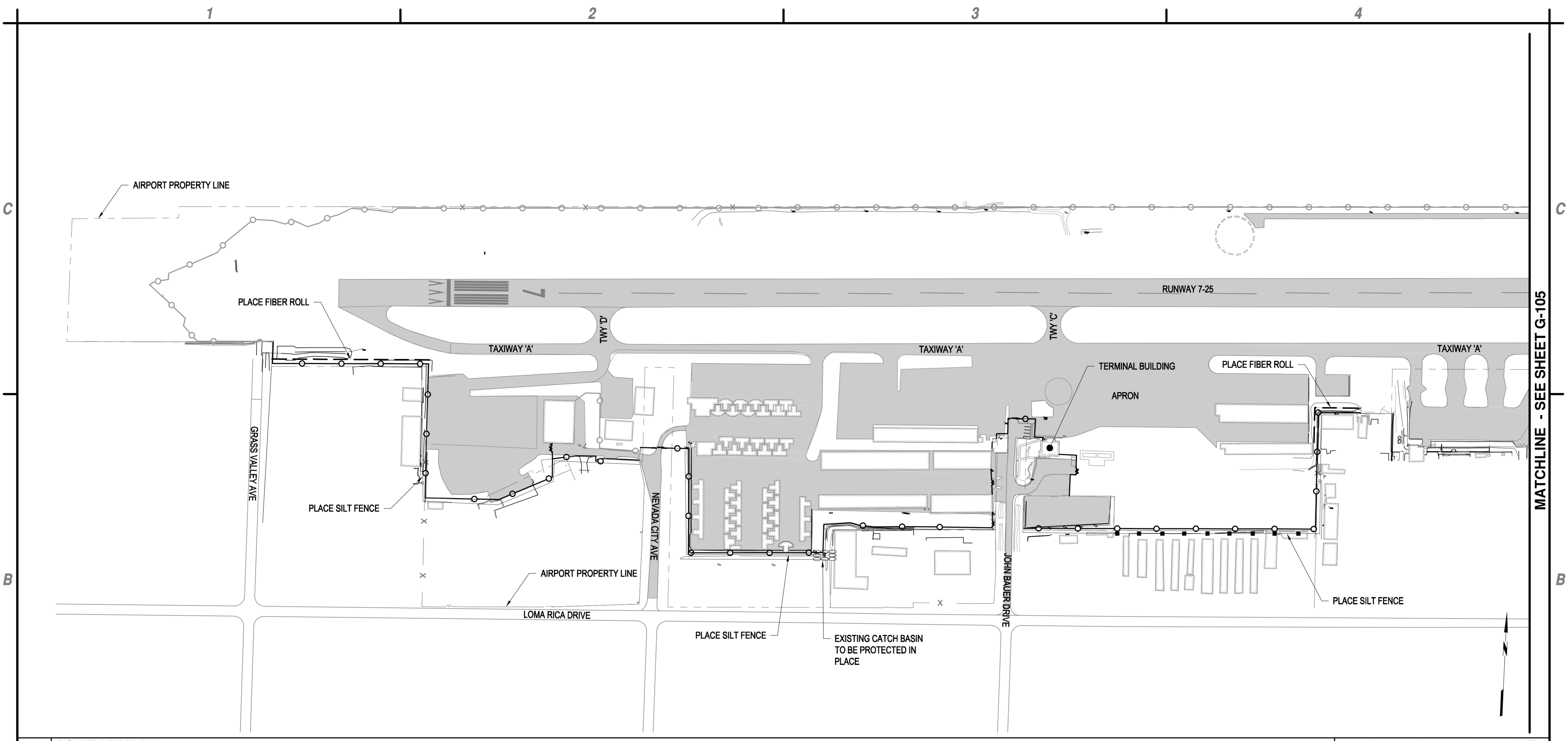
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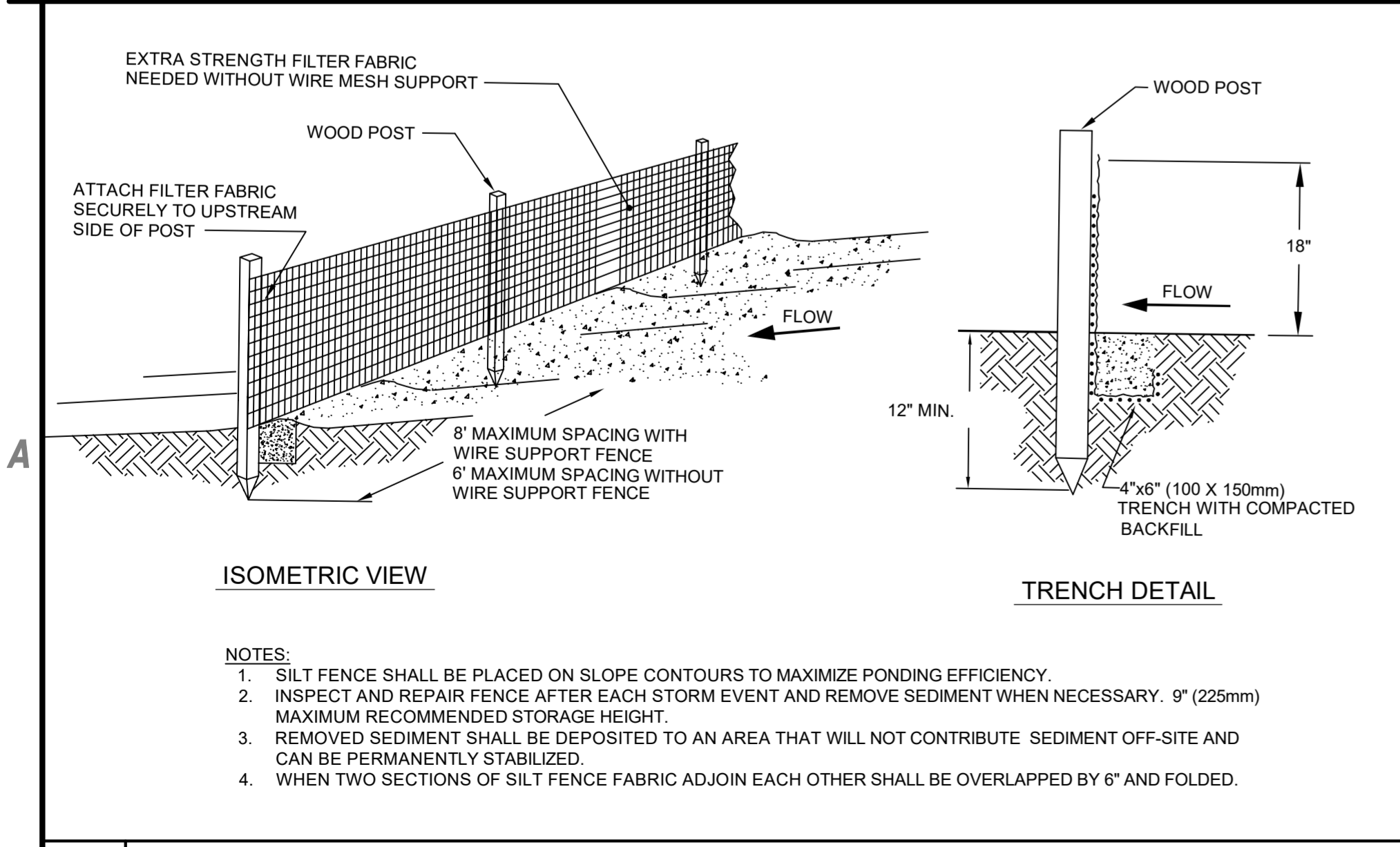
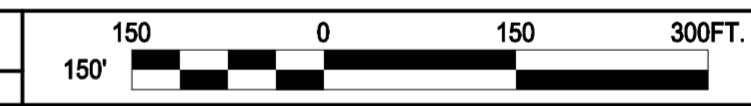


**PERIMETER FENCE & GATE SYSTEM  
 UPGRADES, PHASE II**  
**NEVADA COUNTY AIRPORT**  
**NEVADA COUNTY**

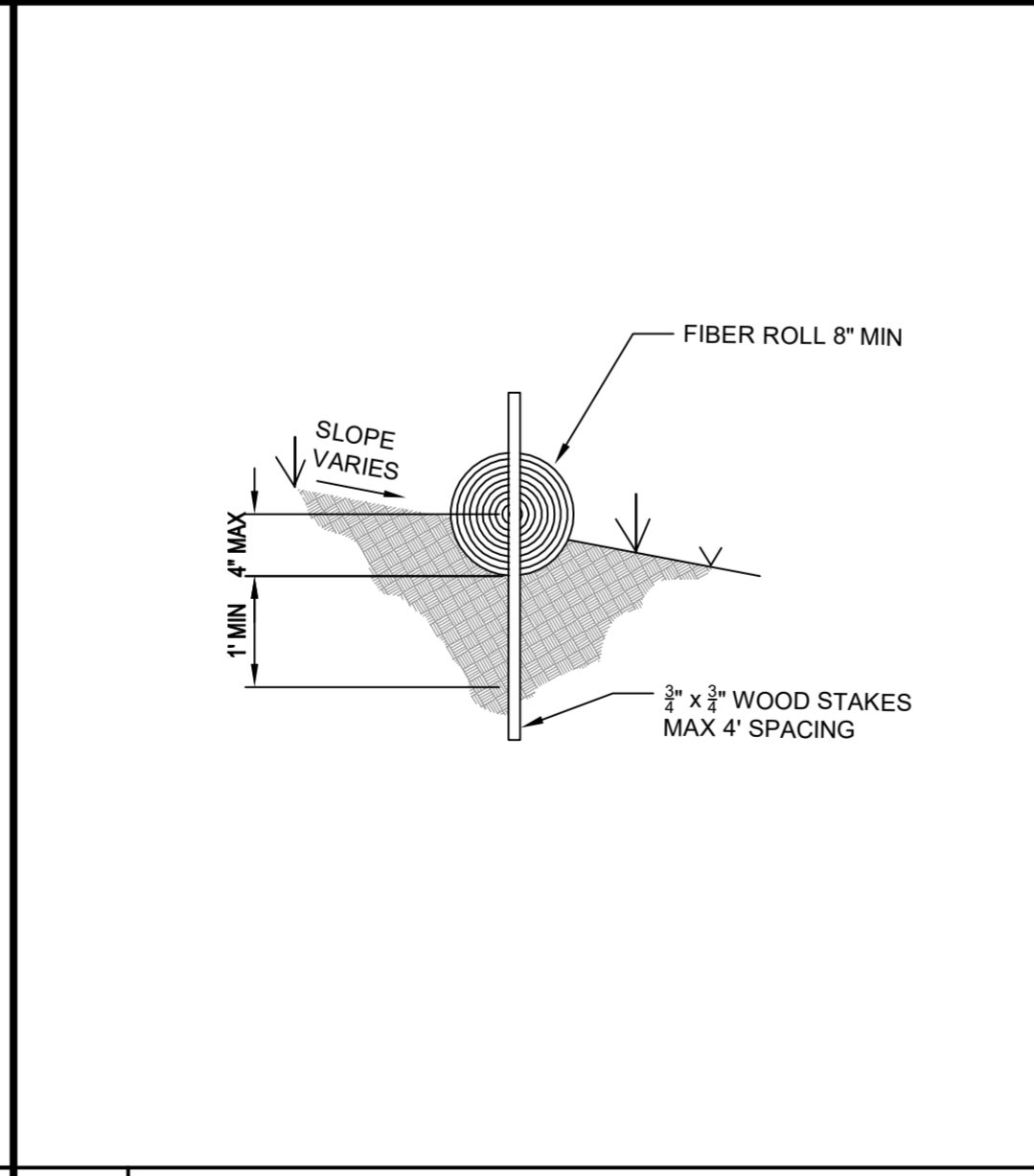


MATCHLINE - SEE SHEET G-105

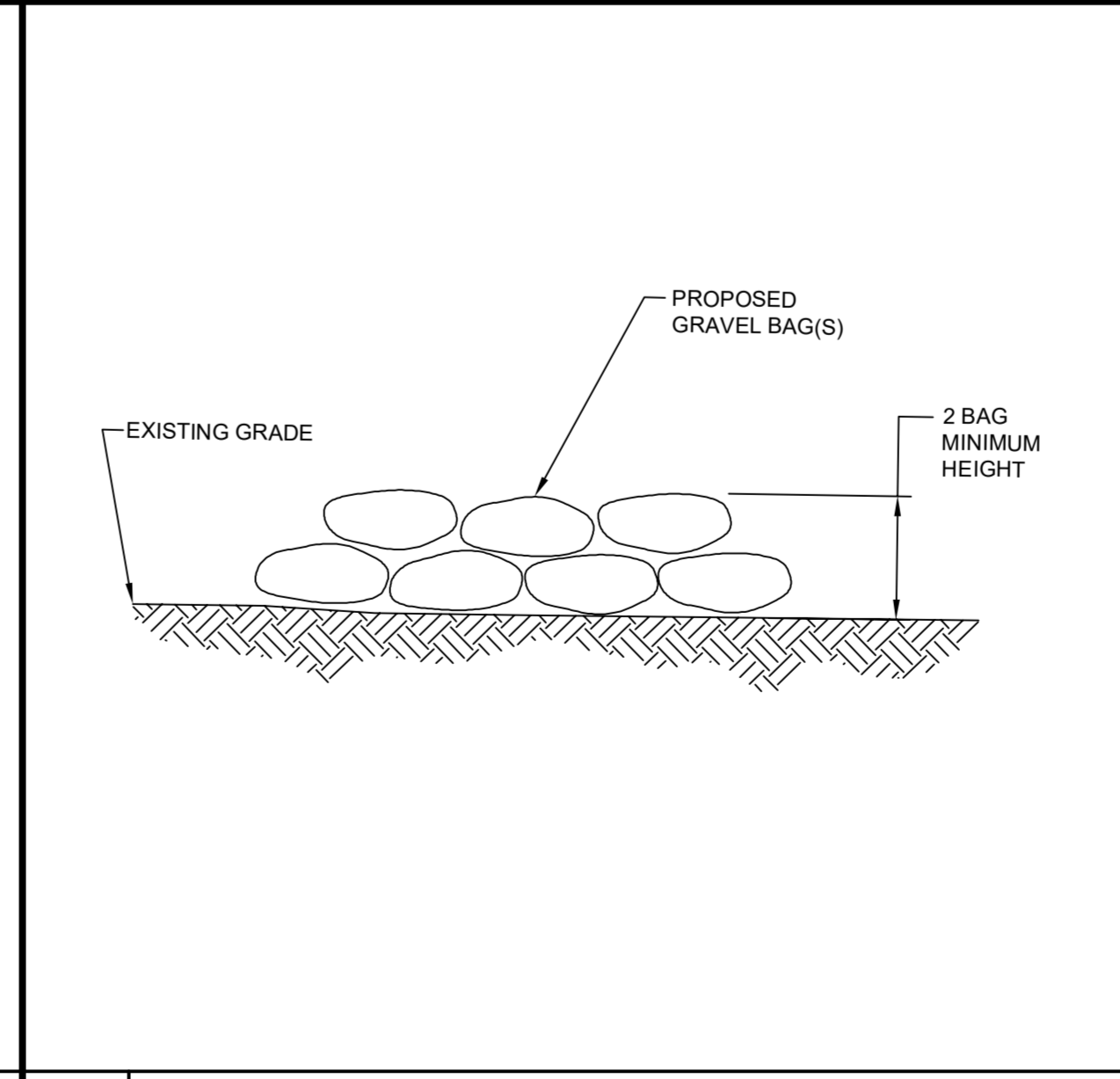
**B1 BOUNDARY PLAN**  
 SCALE: 1" = 150'



**A1 SILT FENCE DETAIL**  
 SCALE: NOT TO SCALE



**A2 FIBER ROLL DETAIL**  
 SCALE: NOT TO SCALE



**A3 GRAVEL BAG DETAIL**  
 SCALE: NOT TO SCALE

**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.

**A4 LEGEND AND NOTES**  
 SCALE: NOT TO SCALE

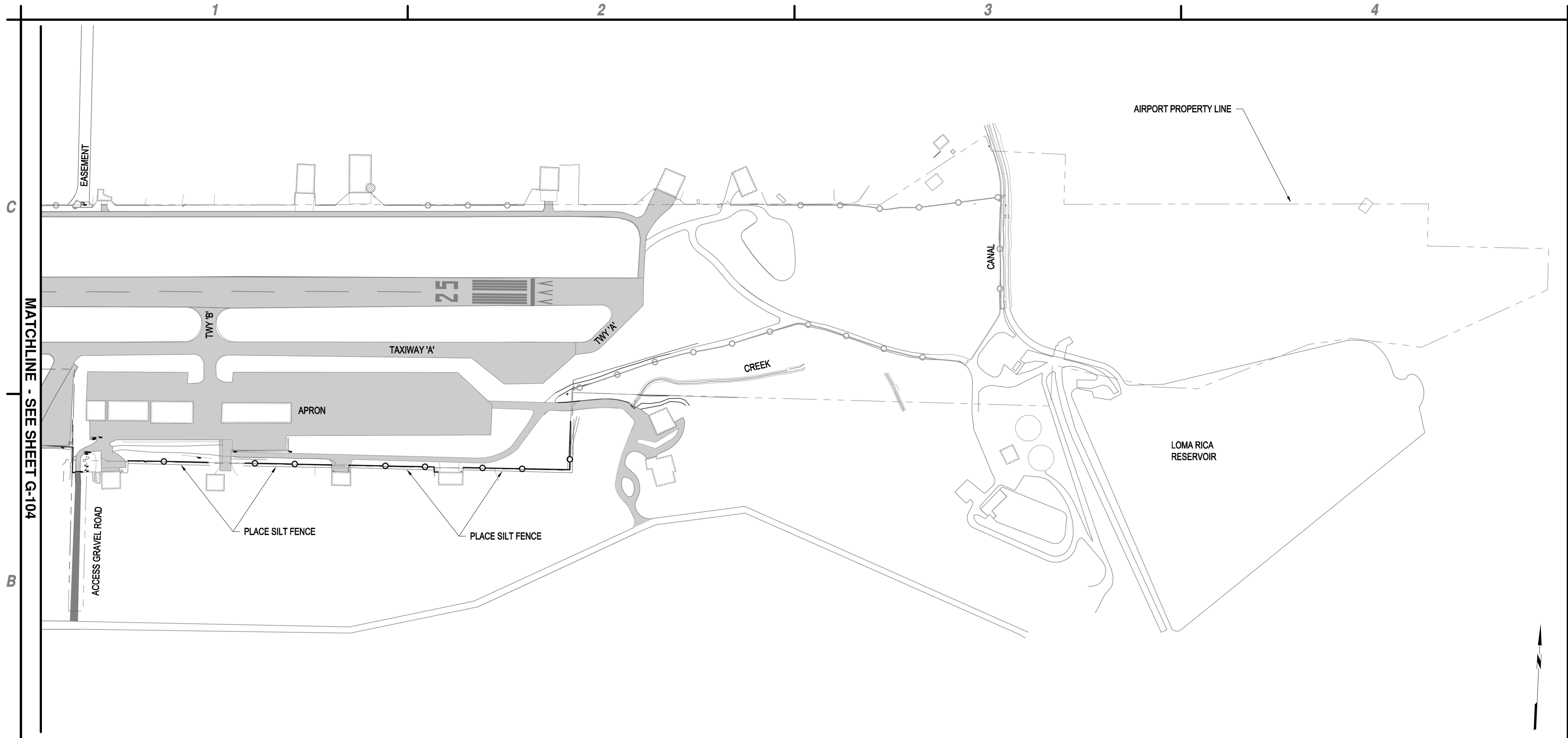
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MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: O95.001.001		
DATE: MAY 2017		
DRAWN BY: CJG		
DESIGNED BY: GT		
CHECKED BY: JLB		

**EROSION CONTROL PLAN**

**G-104**





**B1** BOUNDARY PLAN  
SCALE: 1" = 150'



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

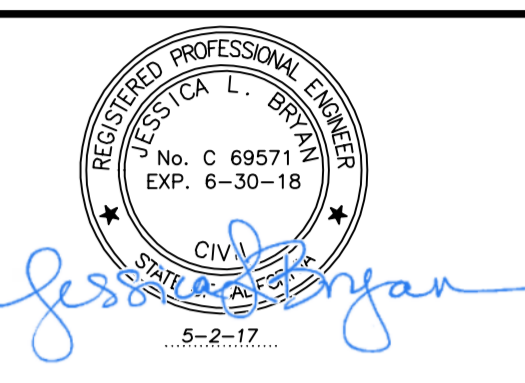
- NOTES:**
1. LOCATION OF FIBER ROLLS, SILT FENCE, AND GRAVEL BAGS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE AS DIRECTED BY THE ENGINEER.
  2. GRAVEL BAGS SHALL BE USED TO PROTECT STORM DRAIN CATCH BASINS IN THE VICINITY OF CONSTRUCTION.
  3. SILT FENCE SHALL BE USED TO PROTECT EXISTING CANAL AND CREEK.

**A1** NOT USED  
SCALE: NOT TO SCALE

**A4** LEGEND AND NOTES  
SCALE: NOT TO SCALE



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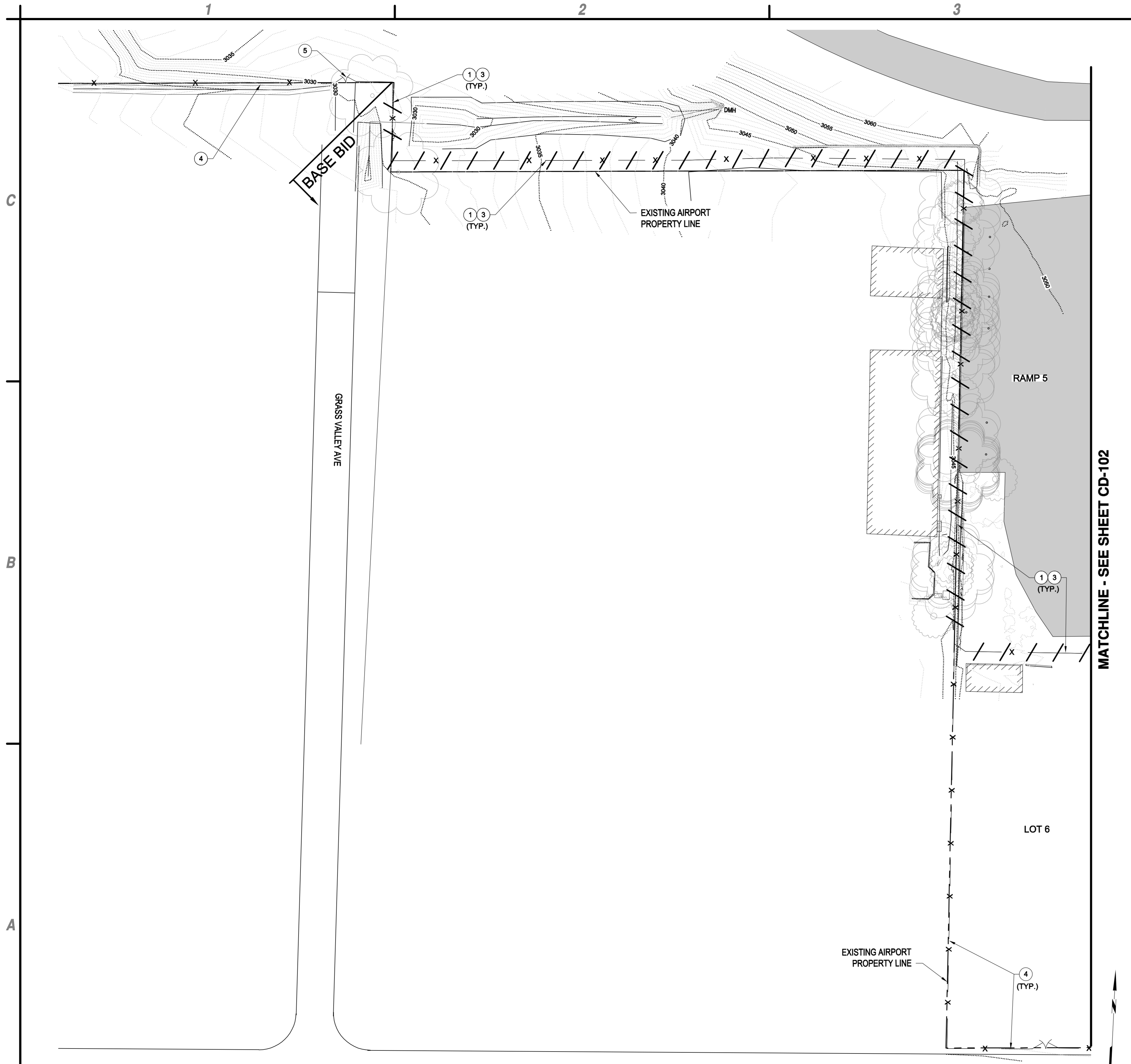
**PERIMETER FENCE & GATE SYSTEM  
UPGRADES, PHASE II**  
**NEVADA COUNTY AIRPORT**  
**NEVADA COUNTY**

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

**EROSION CONTROL  
PLAN**

**G-105**

May 02, 2017 - 1:24pm F:\Projects\095 Nevada County, CA\095.001.001 Perimeter Fence Project\Design Ph II\CADD\Sheet Files\095.005.001\_7\_6-104-105.ERSIGN\_CONTROL.dwg



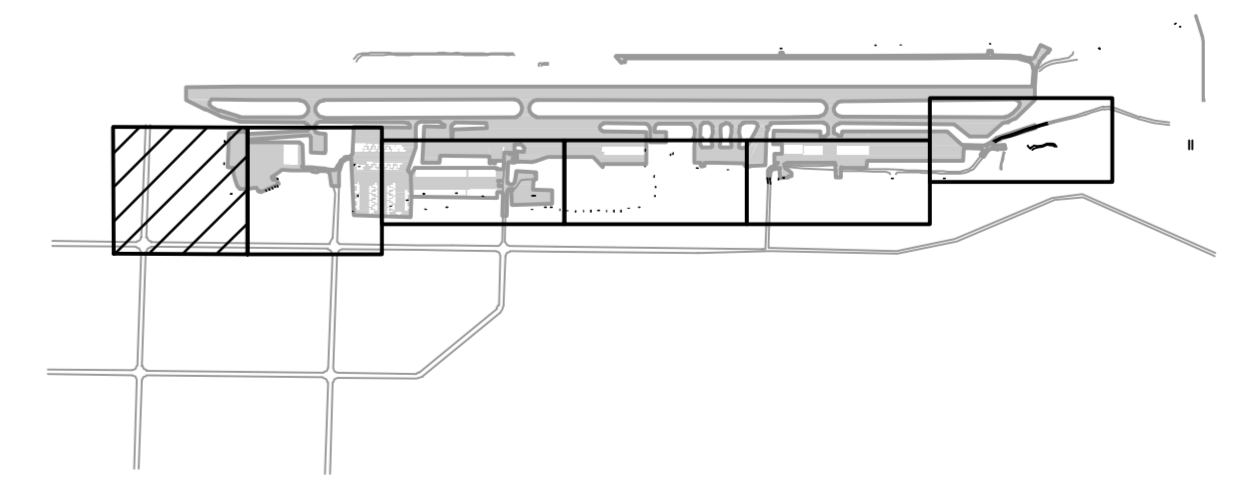
1. CONTRACTOR TO SURVEY AND STAKE ENTIRE PROPERTY LINE PRIOR TO DEMOLITION.
2. ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.

Underground Service Alert  
  
 Call: TOLL FREE "811"  
 TWO WORKING DAYS BEFORE YOU DIG

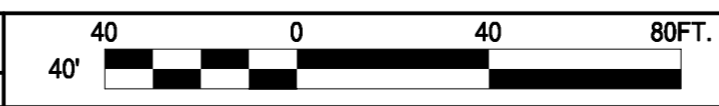
**C4 GENERAL NOTES**  
 SCALE: NOT TO SCALE

- 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



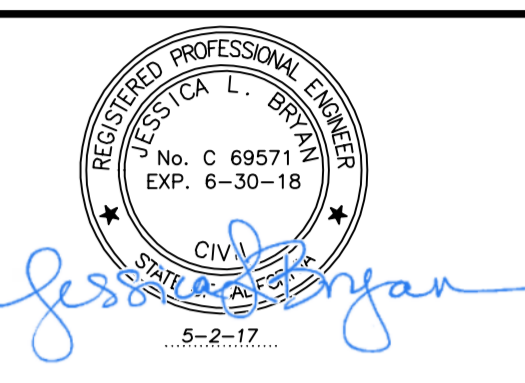
**A1 FENCE DEMOLITION PLAN**  
 SCALE: 1" = 40'



**A4 KEY MAP**  
 SCALE: NOT TO SCALE



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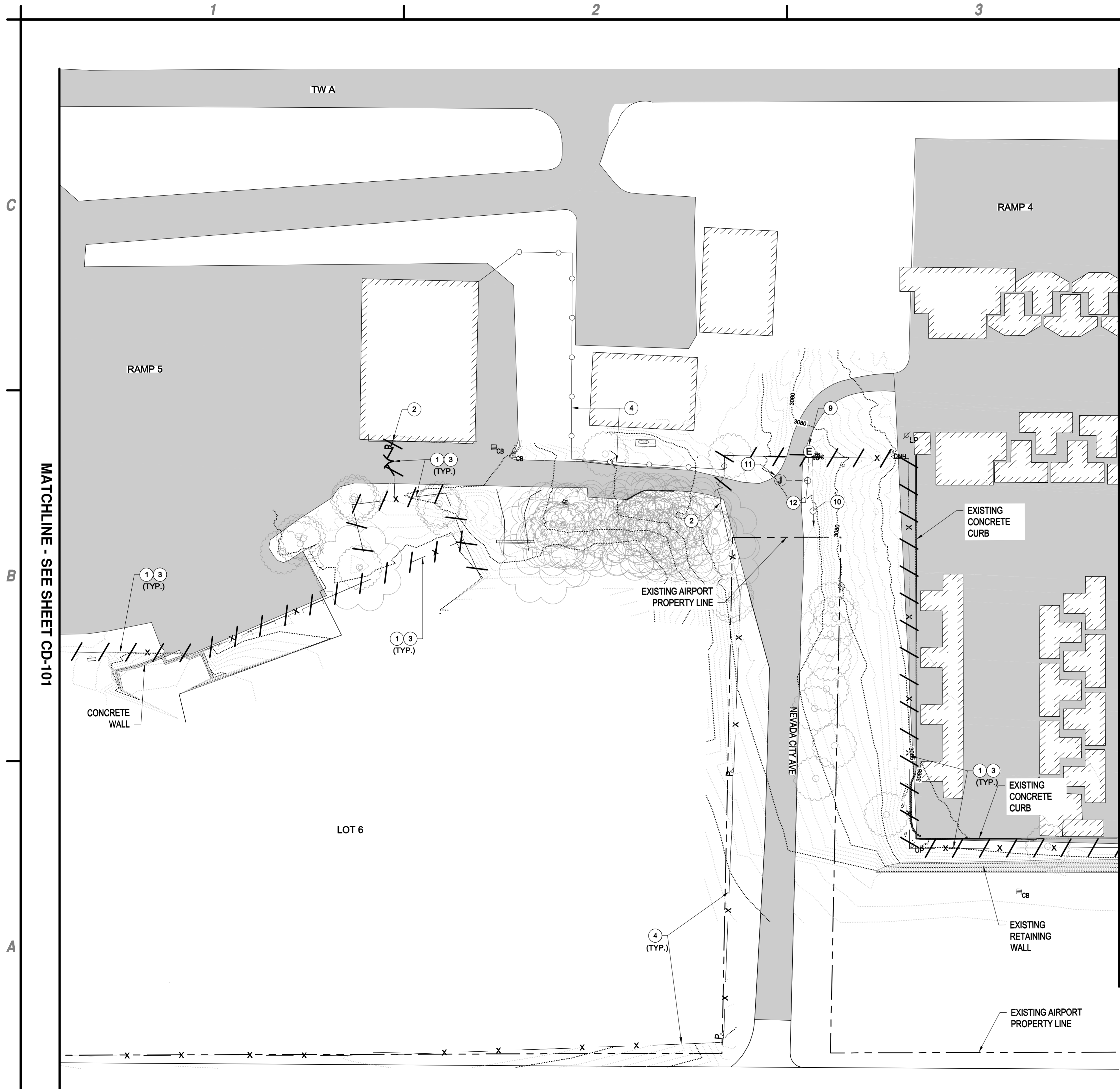
**PERIMETER FENCE & GATE SYSTEM  
 UPGRADES, PHASE II**  
**NEVADA COUNTY AIRPORT**  
**NEVADA COUNTY**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: O95.001.001		
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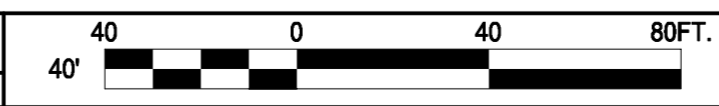
**FENCE  
 DEMOLITION  
 PLAN**

**CD-101**

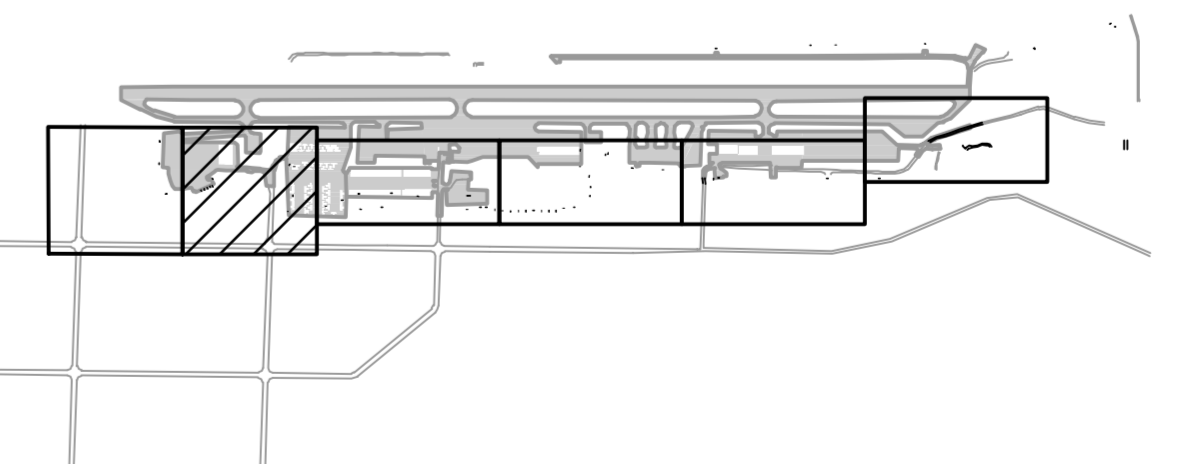
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**A1 FENCE DEMOLITION PLAN**  
SCALE: 1" = 40'




**A4 KEY MAP**  
SCALE: NOT TO SCALE



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

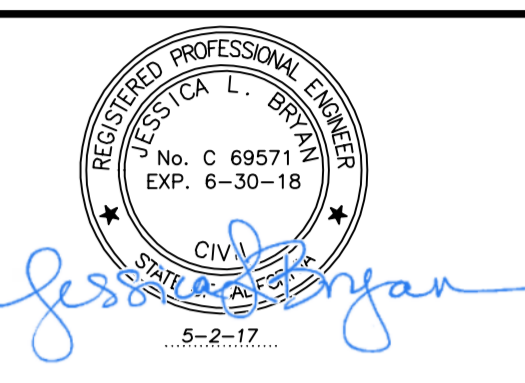
**C4 GENERAL NOTES**  
SCALE: NOT TO SCALE

- ① REMOVE EXISTING FENCING AND GATES, FENCE CONCRETE FOOTINGS, BACKFILL AND COMPACT HOLES, DISPOSE OF 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



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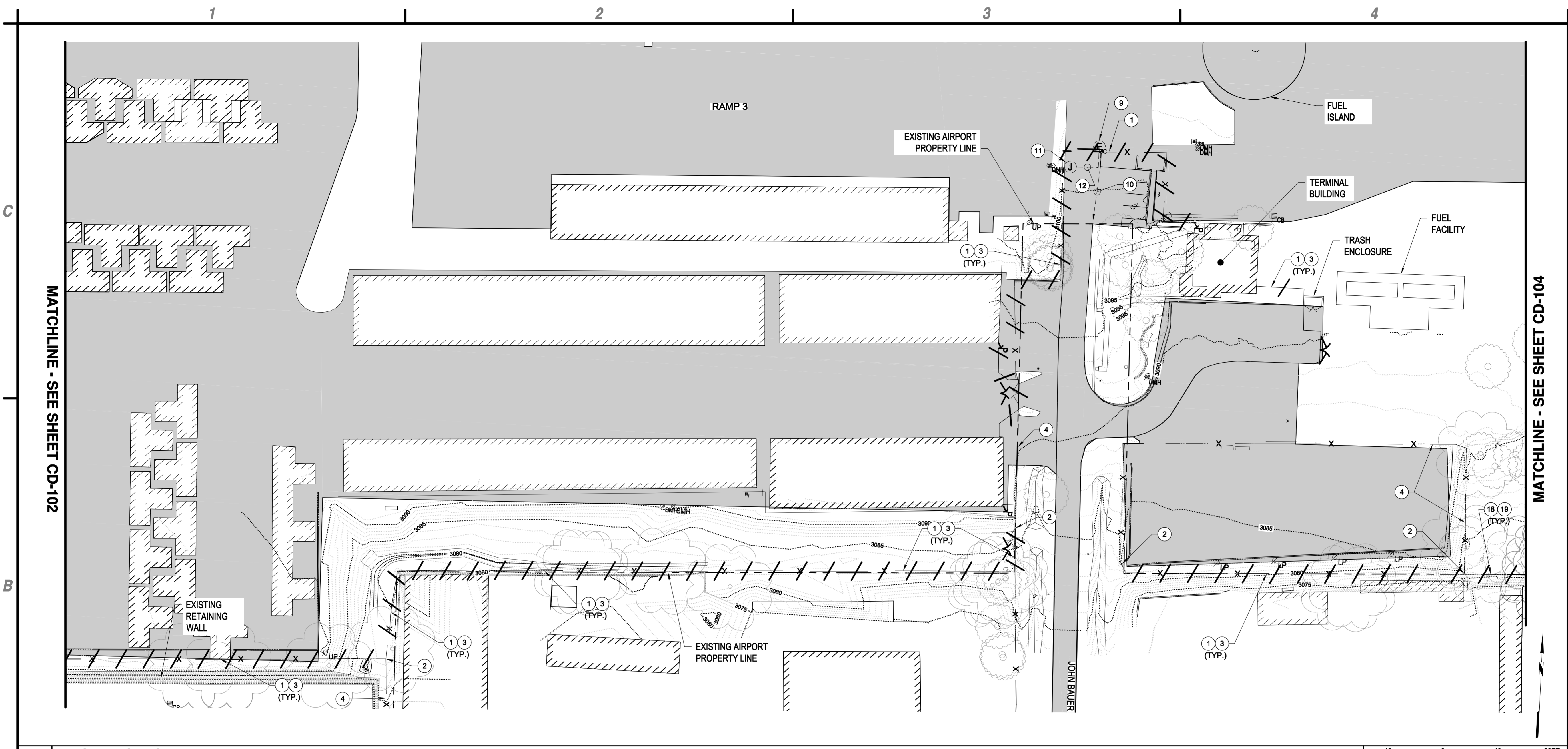
**PERIMETER FENCE & GATE SYSTEM  
UPGRADES, PHASE II**  
**NEVADA COUNTY AIRPORT**  
**NEVADA COUNTY**

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: O95.001.001		
DATE: MAY 2017		
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**FENCE  
DEMOLITION  
PLAN**

**CD-102**

May 02, 2017 - 1:25pm Nevada County, CA\O95.001.001 Perimeter Fence Project\Design Plt \CAD\Sheet Files\O95.001.001\_8\_CD-101-106\_DEMO\_PLAN.dwg

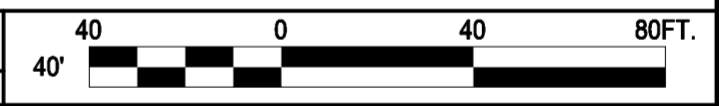


MATCHLINE - SEE SHEET CD-102

MATCHLINE - SEE SHEET CD-104

**B1 FENCE DEMOLITION PLAN**

SCALE: 1" = 40'



**Underground Service Alert**



Call: TOLL FREE  
"811"

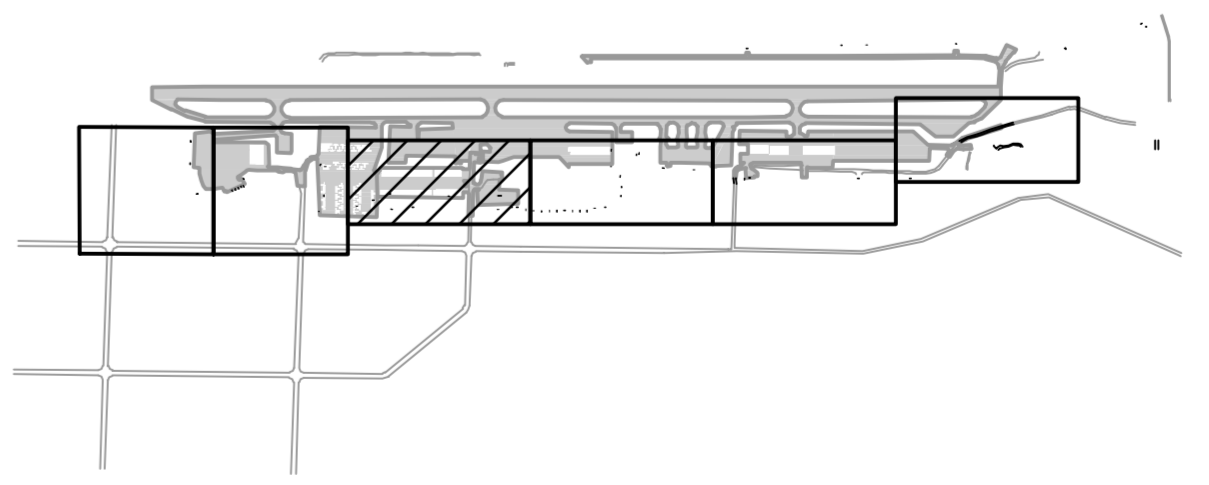
TWO WORKING DAYS BEFORE YOU DIG

- 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.

**A2 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.
- 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.

**A3 KEYED NOTES**  
SCALE: NOT TO SCALE



**A4 KEY MAP**  
SCALE: NOT TO SCALE

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REGISTERED PROFESSIONAL ENGINEER  
JESSICA L. SHRYVER  
No. C 69571 Z  
EXP. 6-30-18  
CIVIL  
SAFETY  
5-2-17  
*Jessica Shryver*



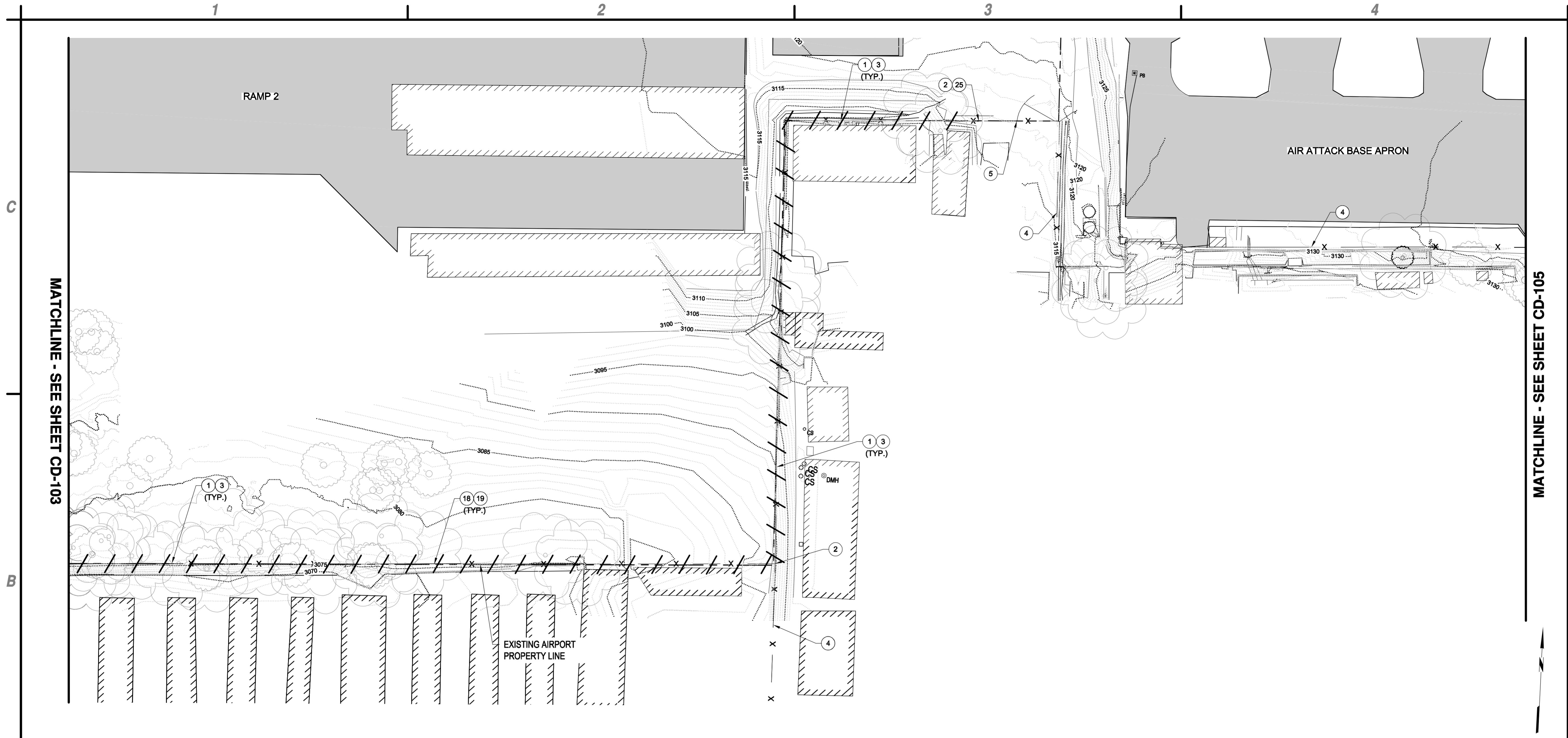
**PERIMETER FENCE & GATE SYSTEM  
UPGRADES, PHASE II  
NEVADA COUNTY AIRPORT  
NEVADA COUNTY**

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

**FENCE  
DEMOLITION  
PLAN**


**CD-103**

May 02, 2017 - 1:26pm Nevada County, CA\O95.001.001 - Perimeter Fence Project\Design - Pk -\CADD\Sheet Files\O95.005.001\_8\_CD-101-106\_DEMO\_PLAN.dwg



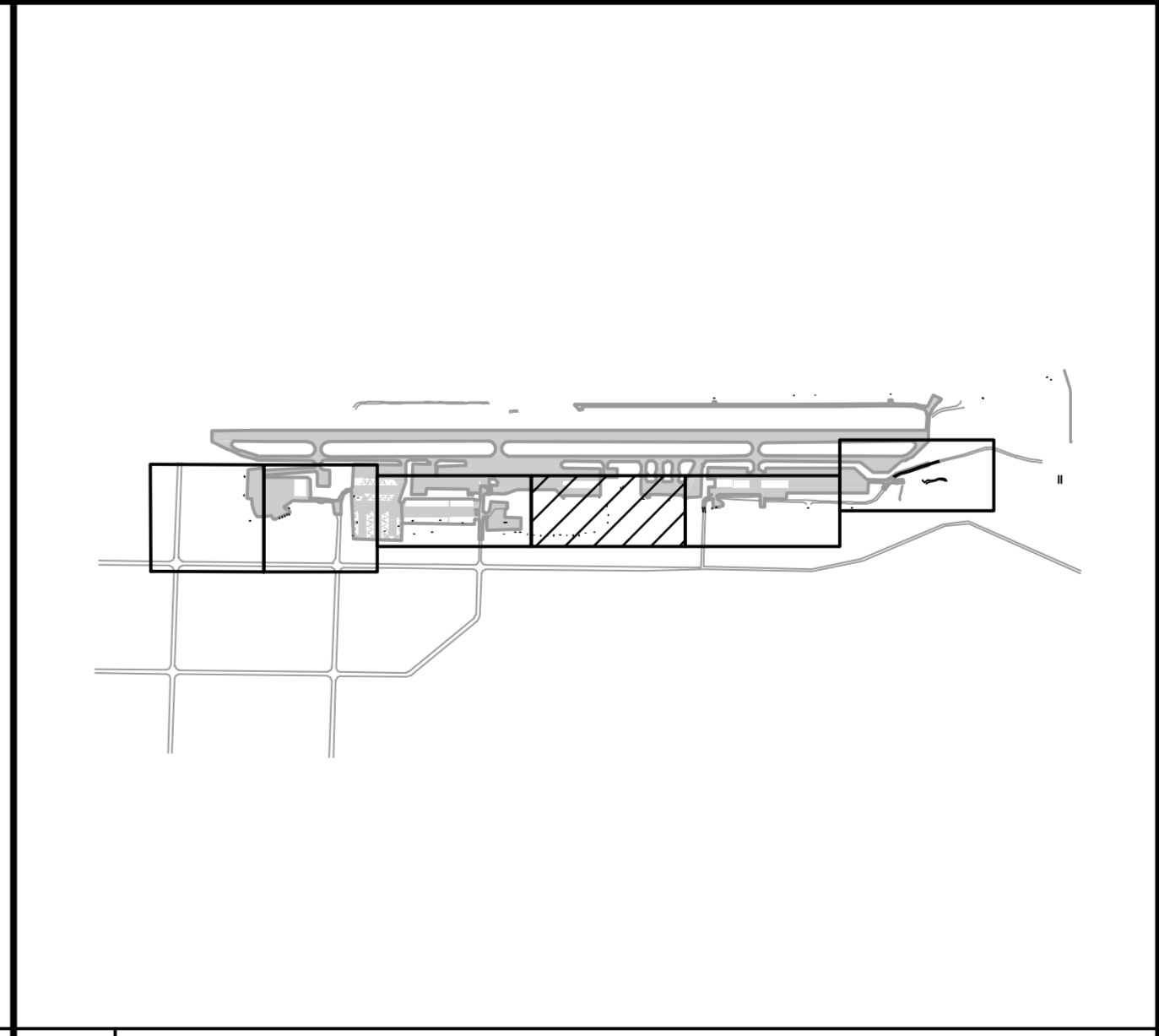
**B1** FENCE DEMOLITION PLAN  
SCALE: 1" = 40'



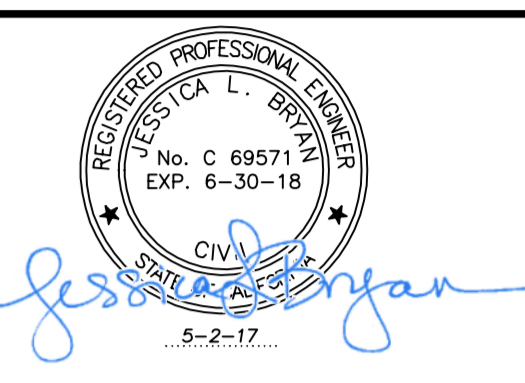
Underground Service Alert  
  
 Call: TOLL FREE "811"  
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- A2** GENERAL NOTES  
SCALE: NOT TO SCALE
- CONTRACTOR TO SURVEY AND STAKE ENTIRE PROPERTY LINE PRIOR TO DEMOLITION.
  - ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.

- A3** KEYED NOTES  
SCALE: NOT TO SCALE
- REMOVE EXISTING FENCING AND GATES, FENCE CONCRETE FOOTINGS, BACKFILL AND COMPACT HOLES, DISPOSE OF ALL WASTE OFF-SITE.
  - LIMITS OF FENCING REMOVAL
  - CLEAR AND GRUB PER DETAIL C1, SHEET C-502.
  - EXISTING FENCING TO REMAIN.
  - EXISTING GATE TO REMAIN.
  - EXISTING SEDIMENT DAM AT TOP OF SLOPE TO REMAIN.
  - CUT EXISTING FENCE POLES 2" ABOVE EXISTING SEDIMENT DAM AND PLACE NEW BALL CAPS ON TOP OF THE REMAINING POLES.
  - END FENCE REMOVAL AT NEAREST GATE POST.



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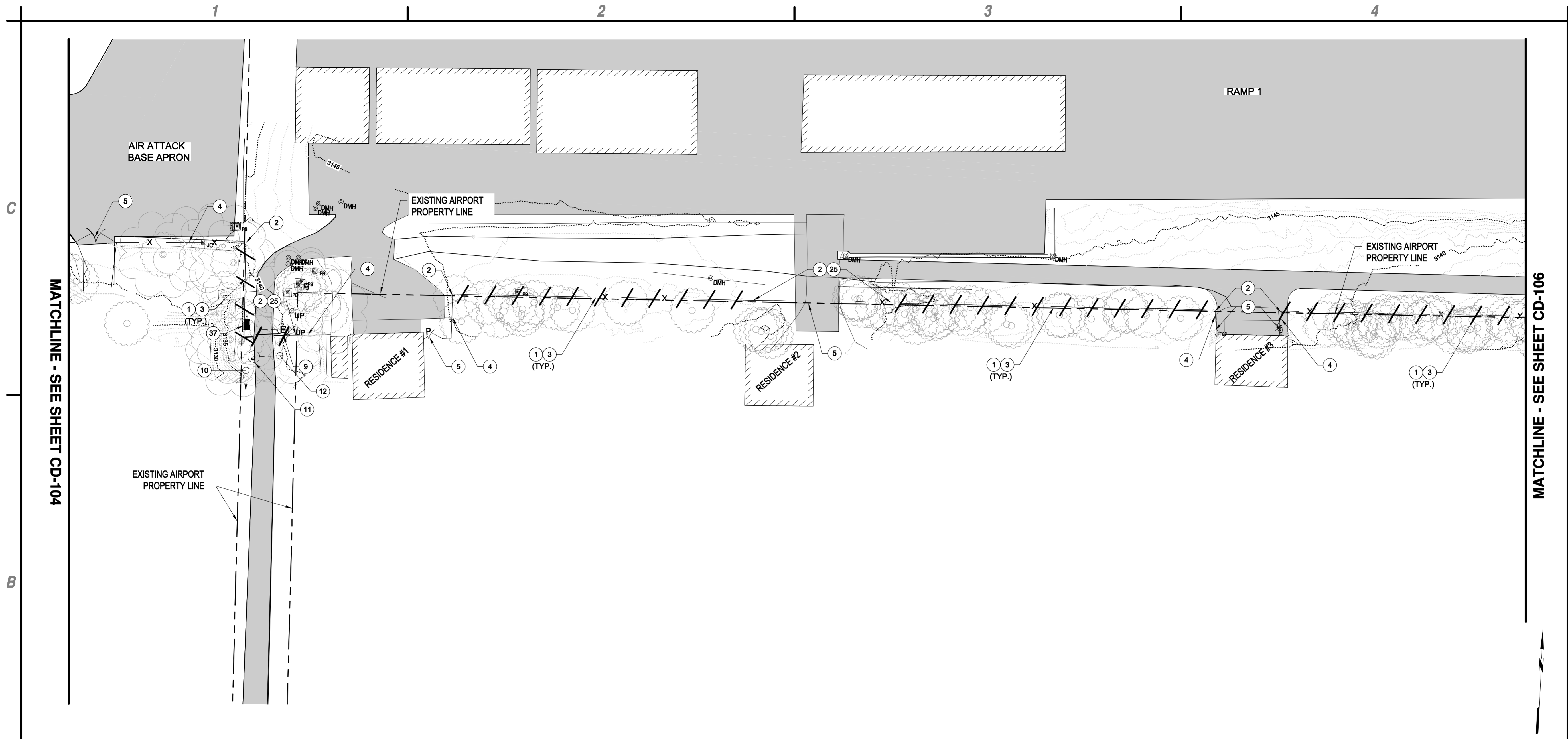
**PERIMETER FENCE & GATE SYSTEM  
 UPGRADES, PHASE II  
 NEVADA COUNTY AIRPORT  
 NEVADA COUNTY**

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

**FENCE  
 DEMOLITION  
 PLAN**

**CD-104**



**B1** FENCE DEMOLITION PLAN  
SCALE: 1" = 40'

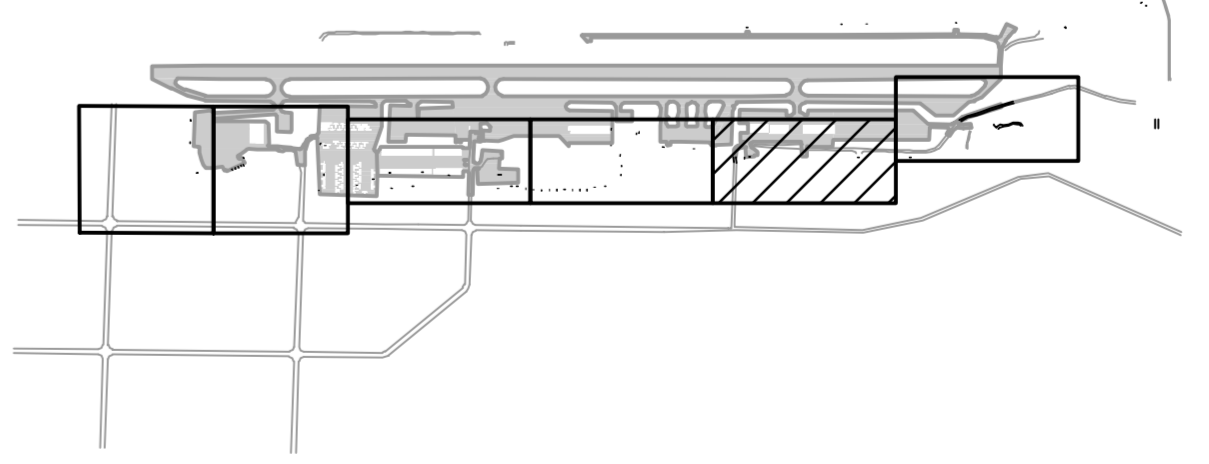


Underground Service Alert  
Call: TOLL FREE "811"  
TWO WORKING DAYS BEFORE YOU DIG

- 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.
- ⑤ EXISTING GATE 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.
- 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.
- ⑳ END FENCE REMOVAL AT NEAREST GATE POST.

- ⑳ AFTER COMPLETION OF ELECTRICAL CONSTRUCTION INDICATED ON SHEET EL-502, DISCONNECT EXISTING INCOMING POWER FEEDER TO PANEL AND RECONNECT FEEDER TO MAIN CIRCUIT BREAKER IN NEW LOAD CENTER. DISCONNECT EXISTING LIGHTING BRANCH CIRCUITS AND RECONNECT THEM TO CORRESPONDING CIRCUIT BREAKERS IN NEW LOAD CENTER. NEW FEEDER AND BRANCH CIRCUIT CONDUIT AND CABLE SIZES SHALL MATCH EXISTING. REMOVE EXISTING BRANCH CIRCUIT PANEL AND TURN OVER TO OWNER.

- NOTES:
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.

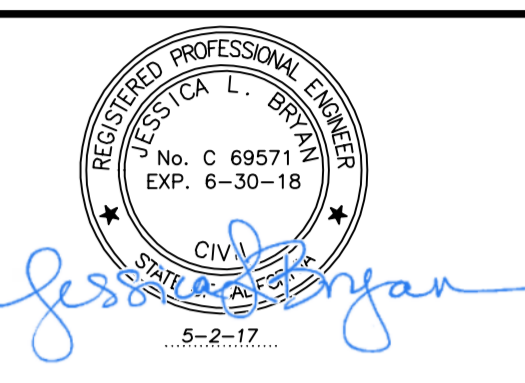


**A4** KEY MAP  
SCALE: NOT TO SCALE

**A2** NOTES  
SCALE: NOT TO SCALE



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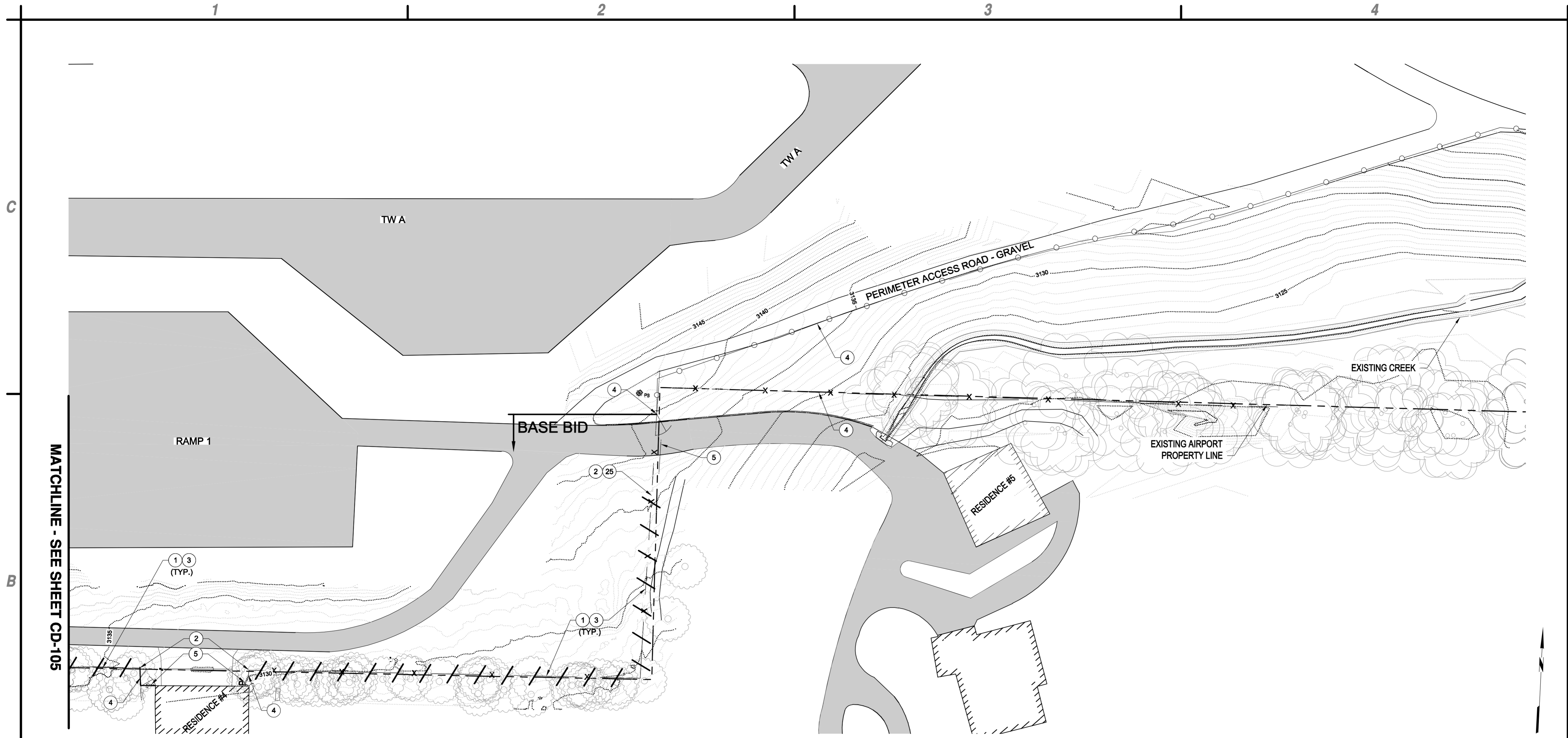
**PERIMETER FENCE & GATE SYSTEM  
UPGRADES, PHASE II**  
**NEVADA COUNTY AIRPORT**  
**NEVADA COUNTY**

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

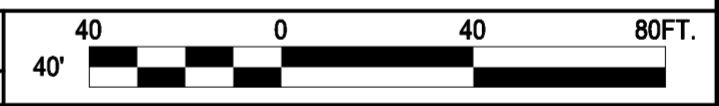
**FENCE  
DEMOLITION  
PLAN**


**CD-105**



MATCHLINE - SEE SHEET CD-105

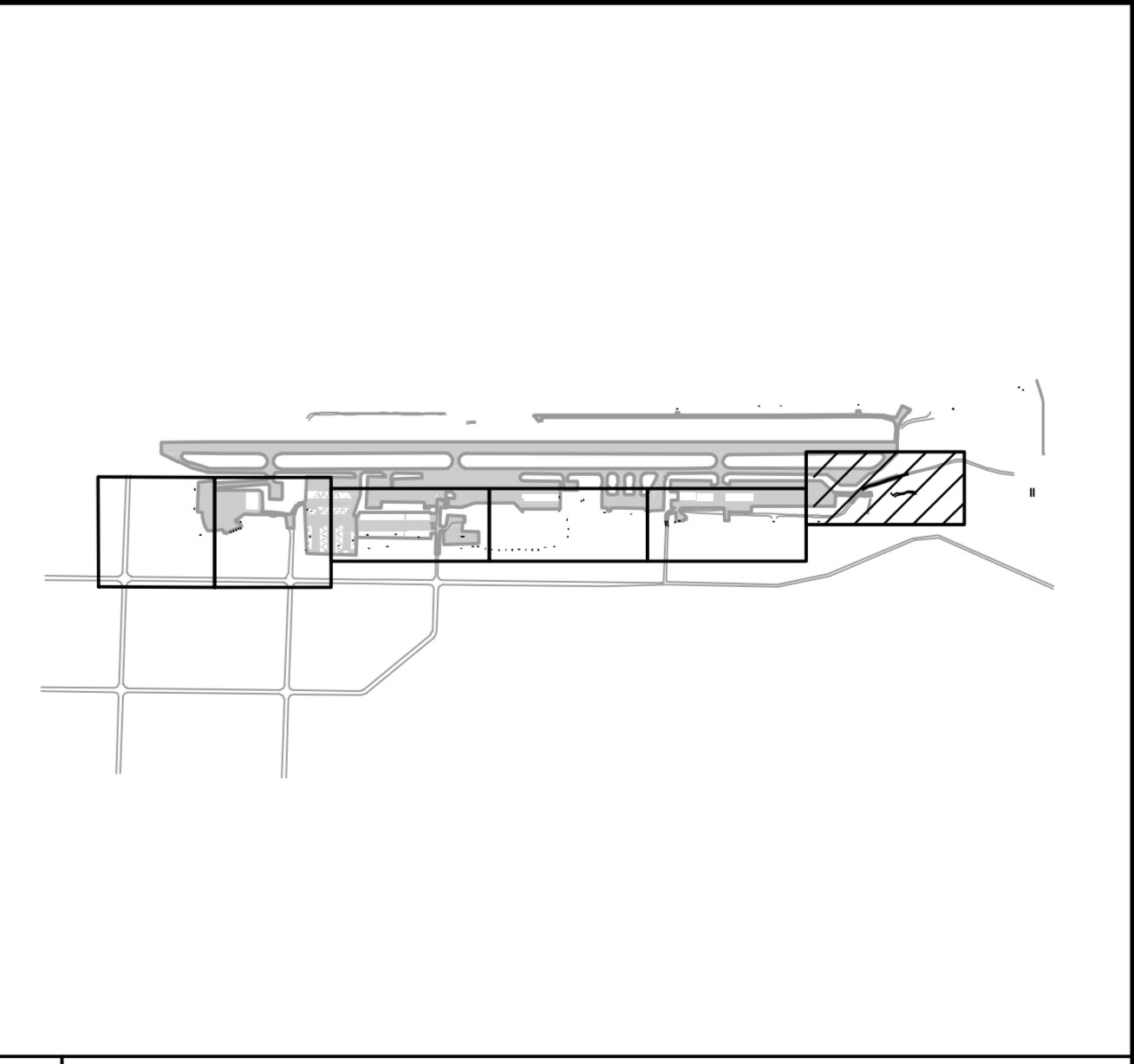
**B1 FENCE DEMOLITION PLAN**  
SCALE: 1" = 40'



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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- ① REMOVE EXISTING FENCING AND GATES, FENCE CONCRETE FOOTINGS, BACKFILL AND COMPACT HOLES, DISPOSE OF ALL 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.
- ⑤ EXISTING GATE TO REMAIN.
- ②⑤ END FENCE REMOVAL AT NEAREST GATE POST.



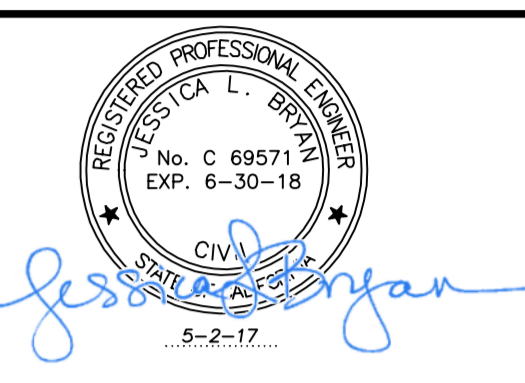
**A2 GENERAL NOTES**  
SCALE: NOT TO SCALE

**A3 KEYED NOTES**  
SCALE: NOT TO SCALE

**A4 KEY MAP**  
SCALE: NOT TO SCALE



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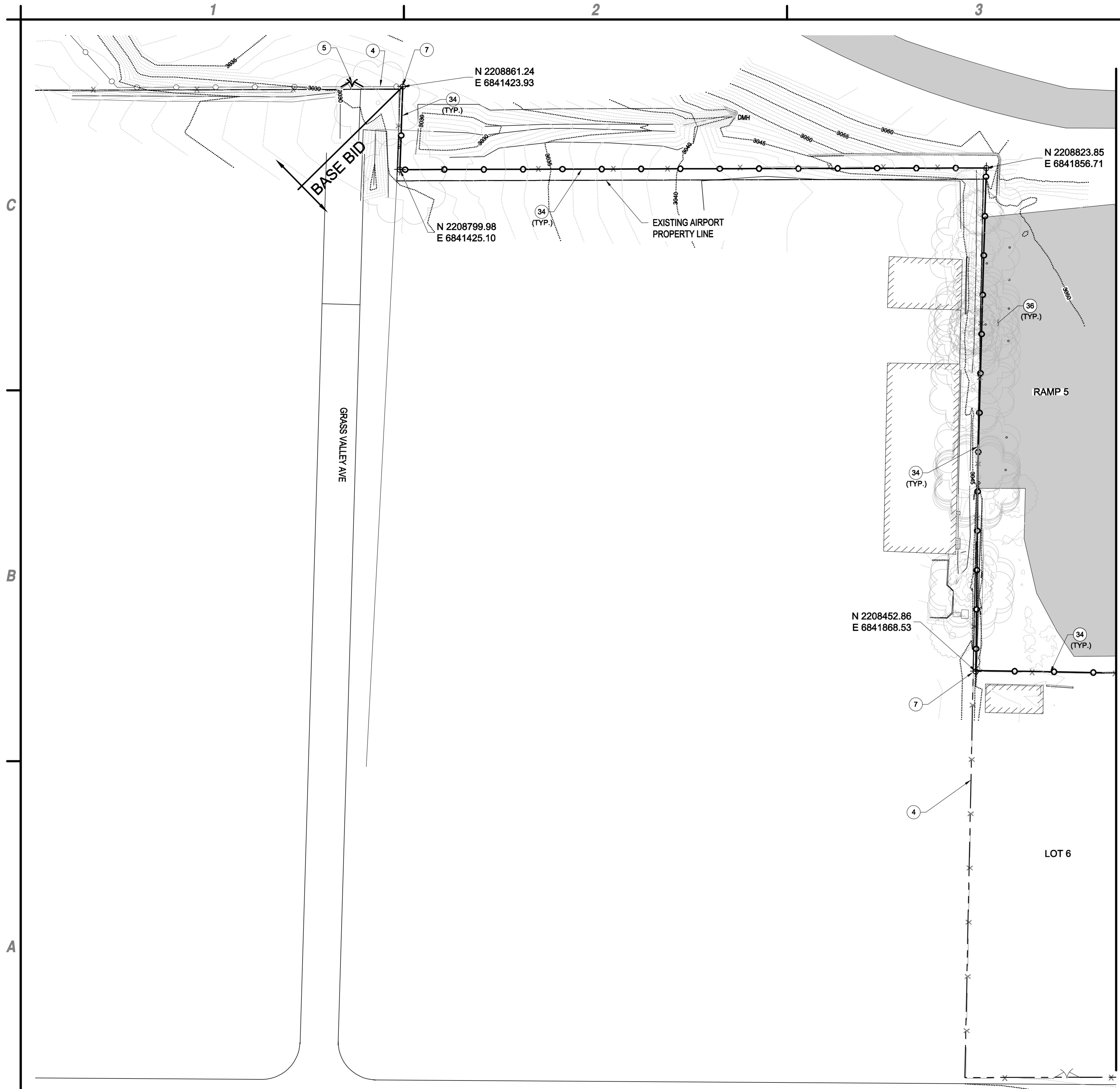
**PERIMETER FENCE & GATE SYSTEM UPGRADES, PHASE II**  
**NEVADA COUNTY AIRPORT**  
**NEVADA COUNTY**

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

**FENCE DEMOLITION PLAN**

**CD-106**



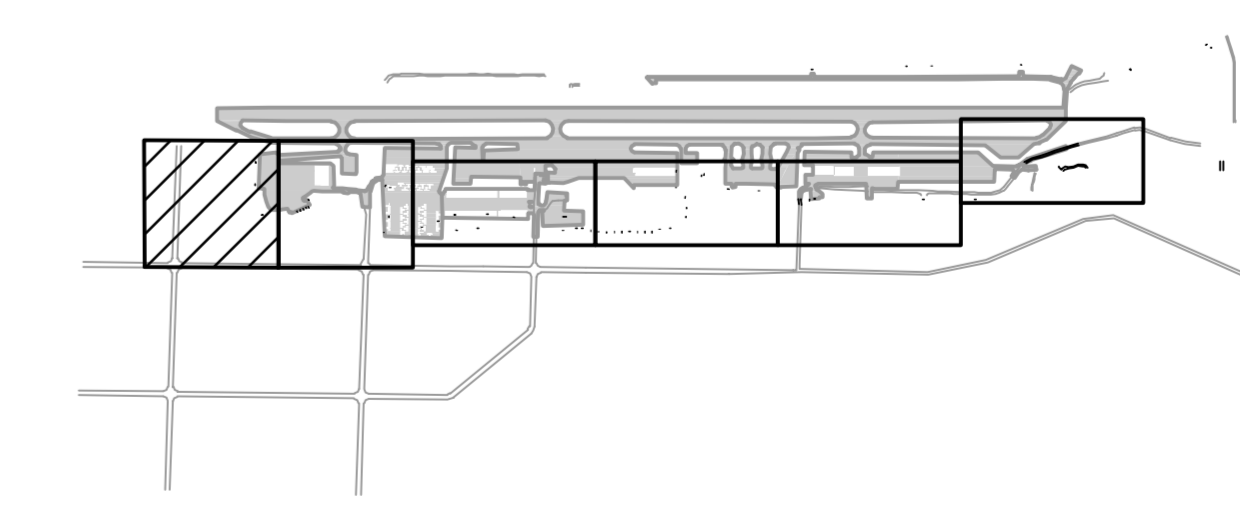
- (4) EXISTING FENCING TO REMAIN.
- (5) EXISTING GATE TO REMAIN.
- (7) TIE INTO EXISTING FENCE.
- (34) FURNISH AND INSTALL 8' HIGH BLACK PVC COATED CHAIN LINK FENCING IN EXACT ALIGNMENT AS EXISTING PER DETAIL C2, SHEET C-501.
- (36) COUNTY TO REMOVE AND REPLACE ALL SANDBAGS IN THIS AREA.

Underground Service Alert  
  
 Call: TOLL FREE "811"  
 TWO WORKING DAYS BEFORE YOU DIG

**C4 KEYED NOTES**  
 SCALE: NOT TO SCALE

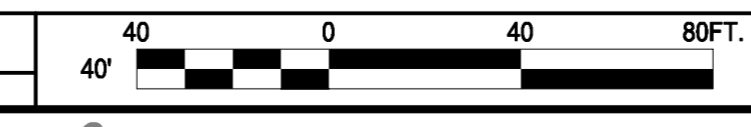
- GENERAL NOTE:
1. FIELD VERIFY ALL FENCING LOCATIONS WITH ENGINEER PRIOR TO INSTALLATION.
  2. ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.
  3. ALL UTILITIES SHALL BE LOCATED AND PROTECTED IN PLACE PRIOR TO INSTALLATION OF FENCE POSTS, INCIDENTAL 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



MATCHLINE - SEE SHEET C-102

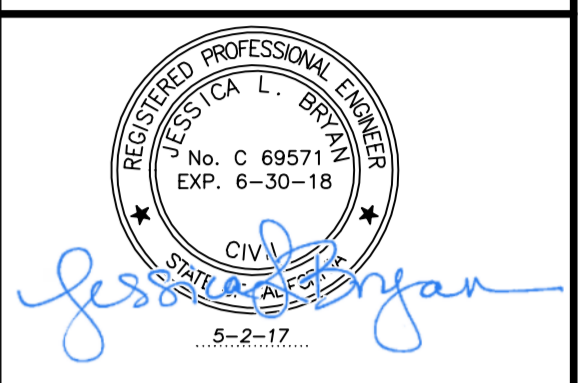
**A1 FENCING PLAN**  
 SCALE: 1" = 40'



**A4 KEY MAP**  
 SCALE: NOT TO SCALE



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



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

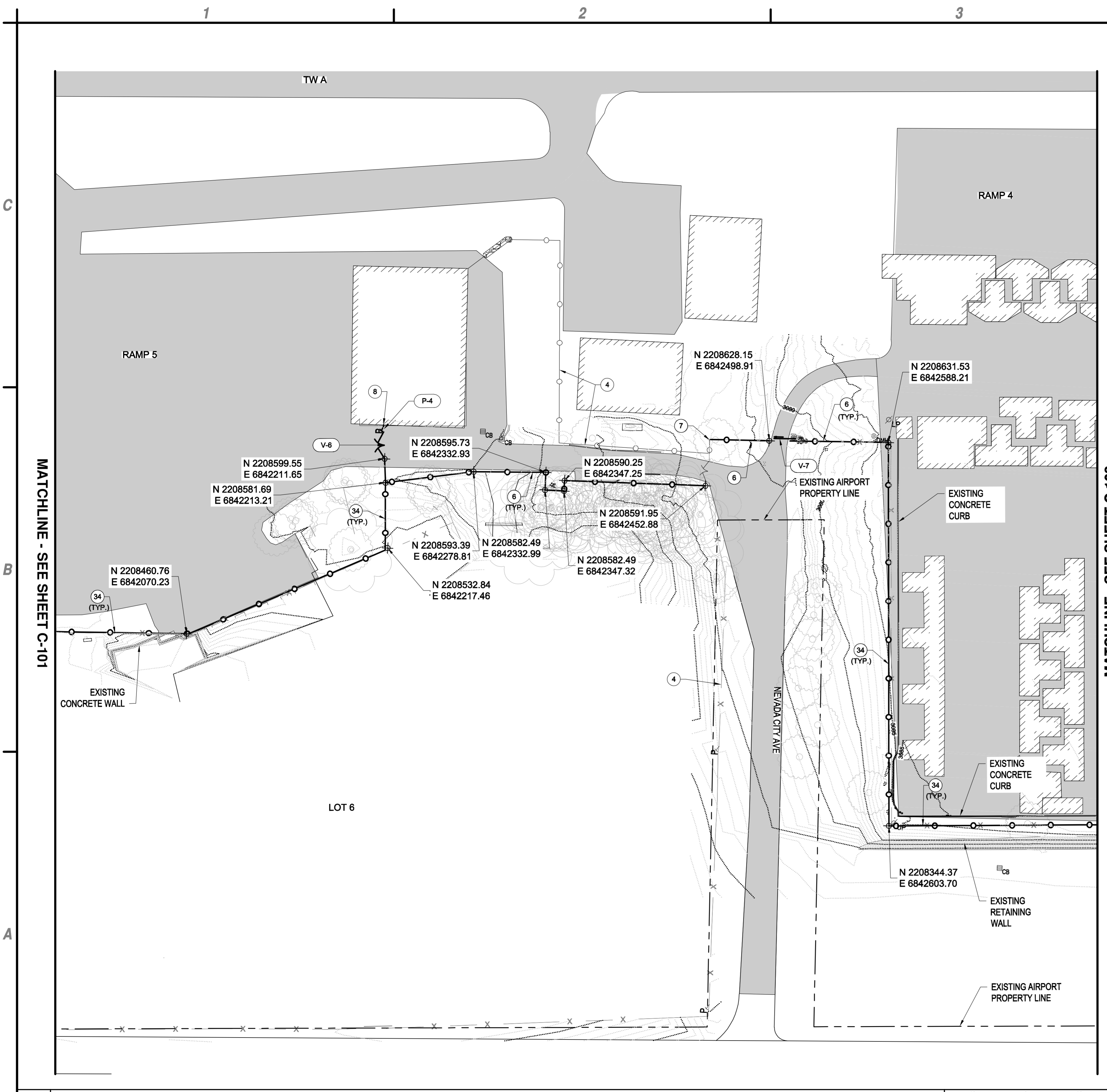
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:		O95.001.001
DATE:		MAY 2017
DRAWN BY:		GT
DESIGNED BY:		GT
CHECKED BY:		JLB

**FENCE PLAN**

**C-101**

May 02, 2017 - 1:28pm F:\Project\095 - Nevada County - CA\095.001.001 - Perimeter Fence Project\Design - Plt - CAD\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**  
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

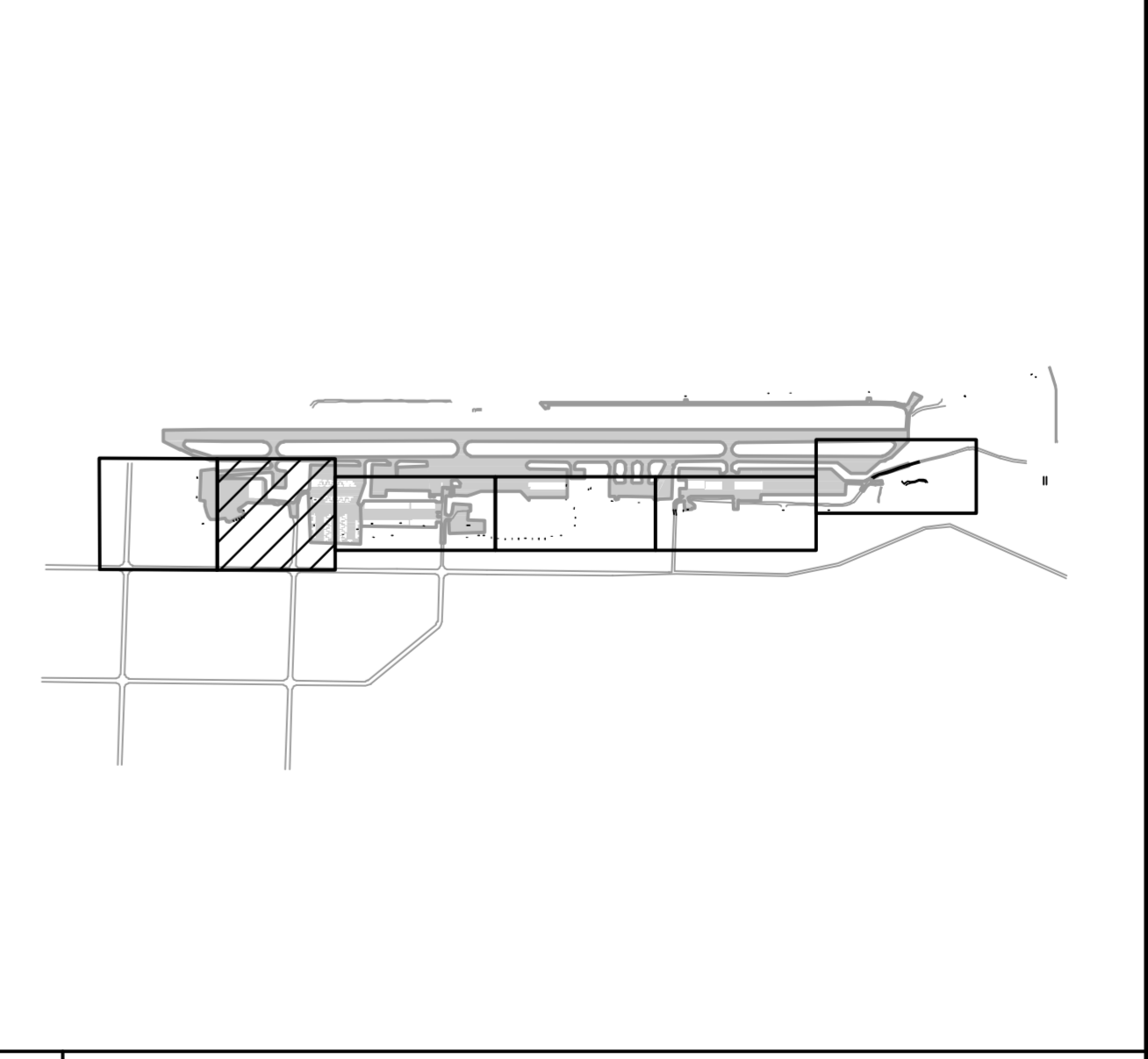
(A) - AUTOMATIC  
(M) - MANUAL  
(C) - CIPHER

Underground Service Alert




Call: TOLL FREE  
"811"  
TWO WORKING DAYS BEFORE YOU DIG

**B4 GATE LEGEND**  
SCALE: NOT TO SCALE




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Sacramento, California 95826  
Phone: 916-364-1470  
www.cscos.com



REGISTERED PROFESSIONAL ENGINEER  
JESSICA L. BRYAN  
No. C 69571 ZL  
EXP. 6-30-18  
CIVIL  
SAFETY  
5-2-17



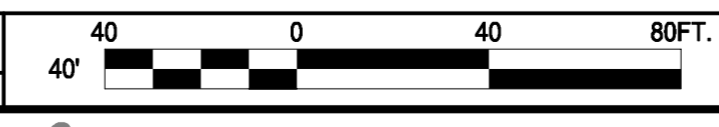
**PERIMETER FENCE & GATE SYSTEM  
UPGRADES, PHASE II**  
**NEVADA COUNTY AIRPORT**  
**NEVADA COUNTY**

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

**FENCE PLAN**

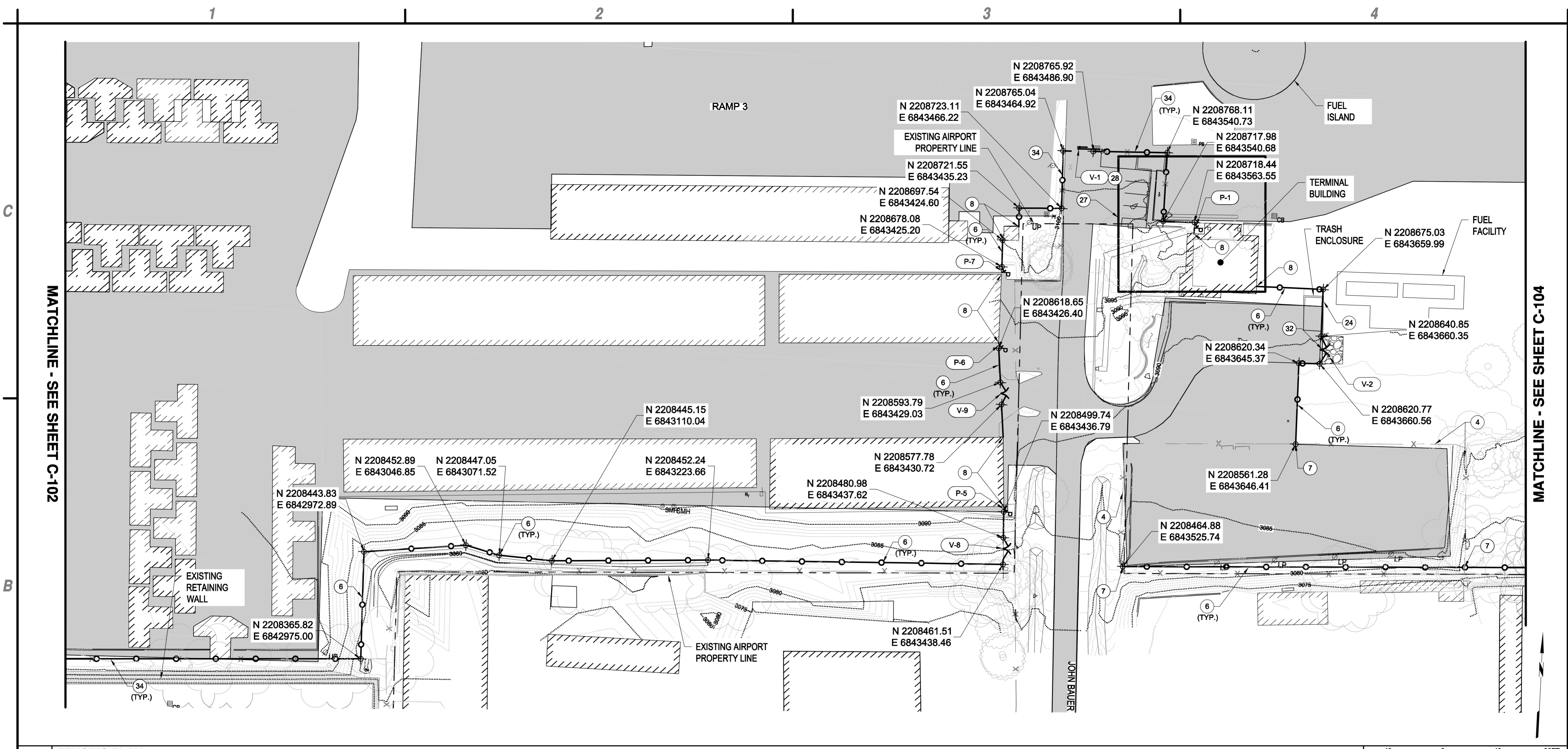
**C-102**

**A1 FENCING PLAN**  
SCALE: 1" = 40'

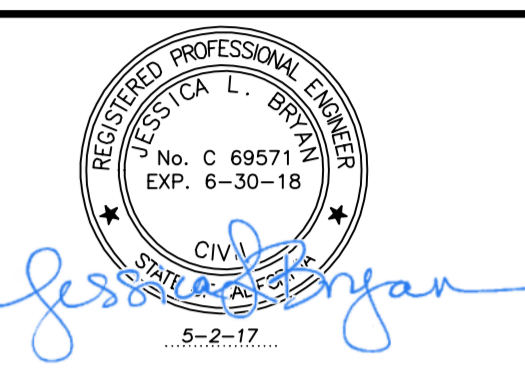


**A4 KEY MAP**  
SCALE: NOT TO SCALE

May 02, 2017 - 1:28pm  
F:\Projects\095 - Nevada County - CA\095.001.001 - Perimeter Fence - Project\Design - Pk - CAD\Sheet Files\095.005.001\_9\_C-101-107\_FENCING\_PLAN.dwg

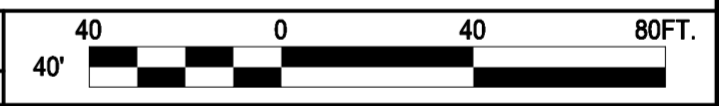


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**PERIMETER FENCE & GATE SYSTEM  
 UPGRADES, PHASE II**  
**NEVADA COUNTY AIRPORT**  
**NEVADA COUNTY**

**B1 FENCING PLAN**  
 SCALE: 1" = 40'



- A1 GENERAL NOTES**  
 SCALE: NOT TO SCALE
- FIELD VERIFY ALL FENCING LOCATIONS WITH ENGINEER PRIOR TO INSTALLATION.
  - ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.
  - 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.

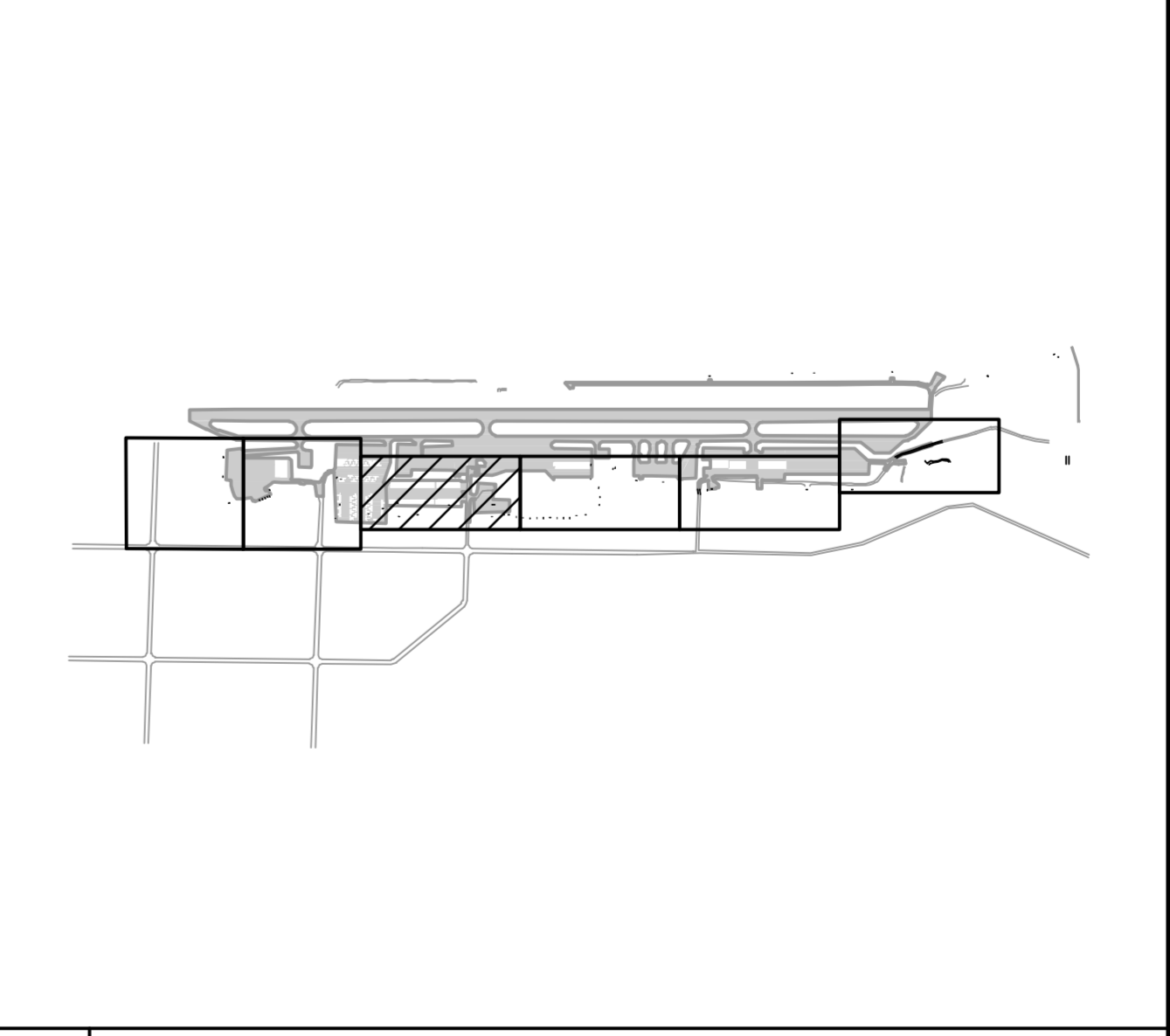
- A2 KEYED NOTES**  
 SCALE: NOT TO SCALE
- ④ EXISTING FENCING TO REMAIN.
  - ⑥ FURNISH AND INSTALL 8" HIGH BLACK PVC COATED CHAIN LINK FENCE PER DETAILS C2, SHEET CG-501, AND C1, SHEET C-502.
  - ⑦ TIE INTO EXISTING FENCE.
  - ⑧ TERMINATE FENCING AT BUILDING.
  - ②④ PLACE FENCE ON CONCRETE WALL, SEE 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.

**A3 GATE LEGEND**  
 SCALE: NOT TO SCALE

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

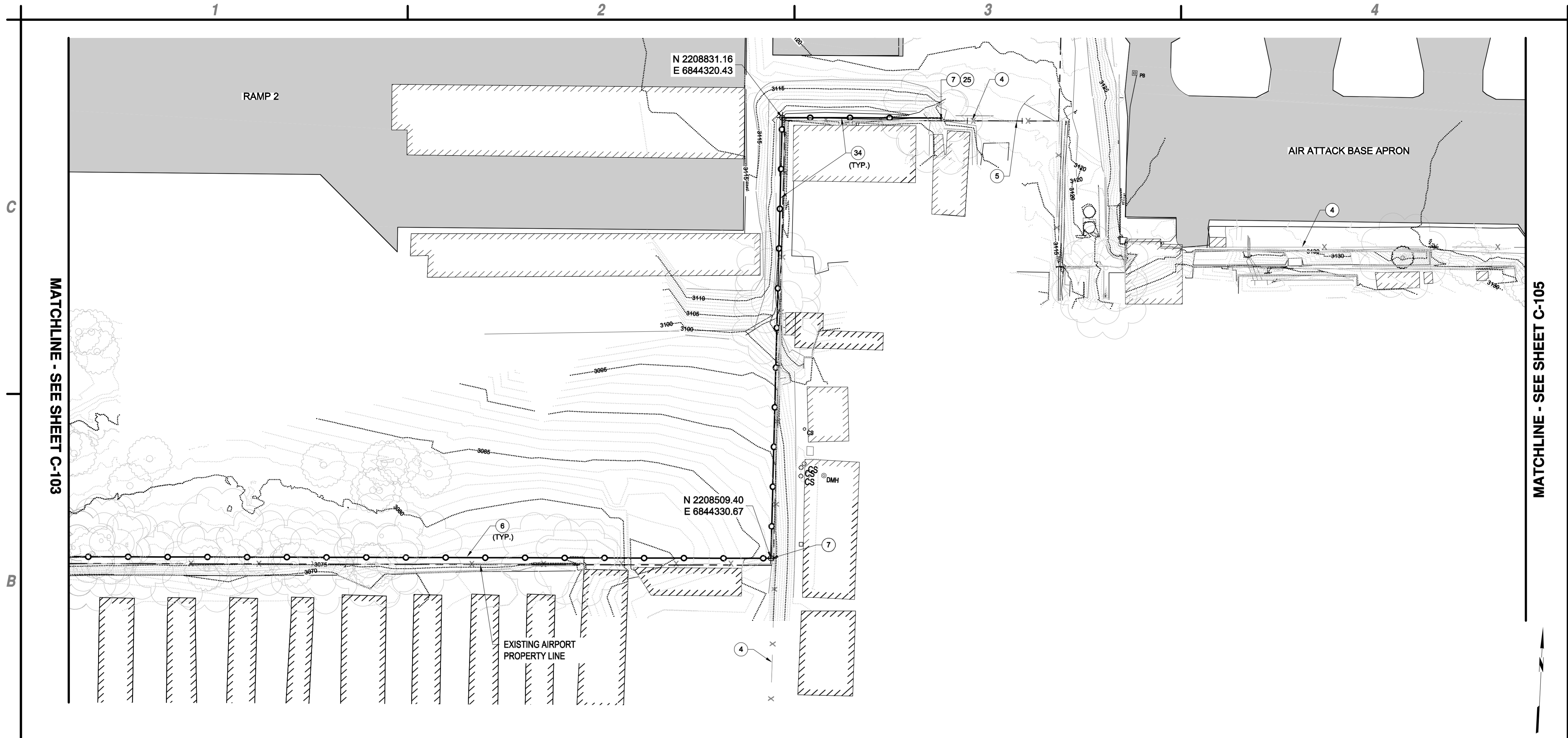


**FENCE PLAN**

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

**C-103**

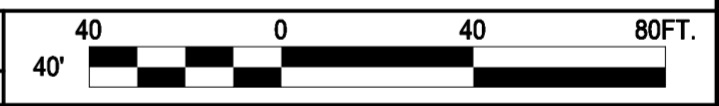
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MATCHLINE - SEE SHEET C-103

MATCHLINE - SEE SHEET C-105

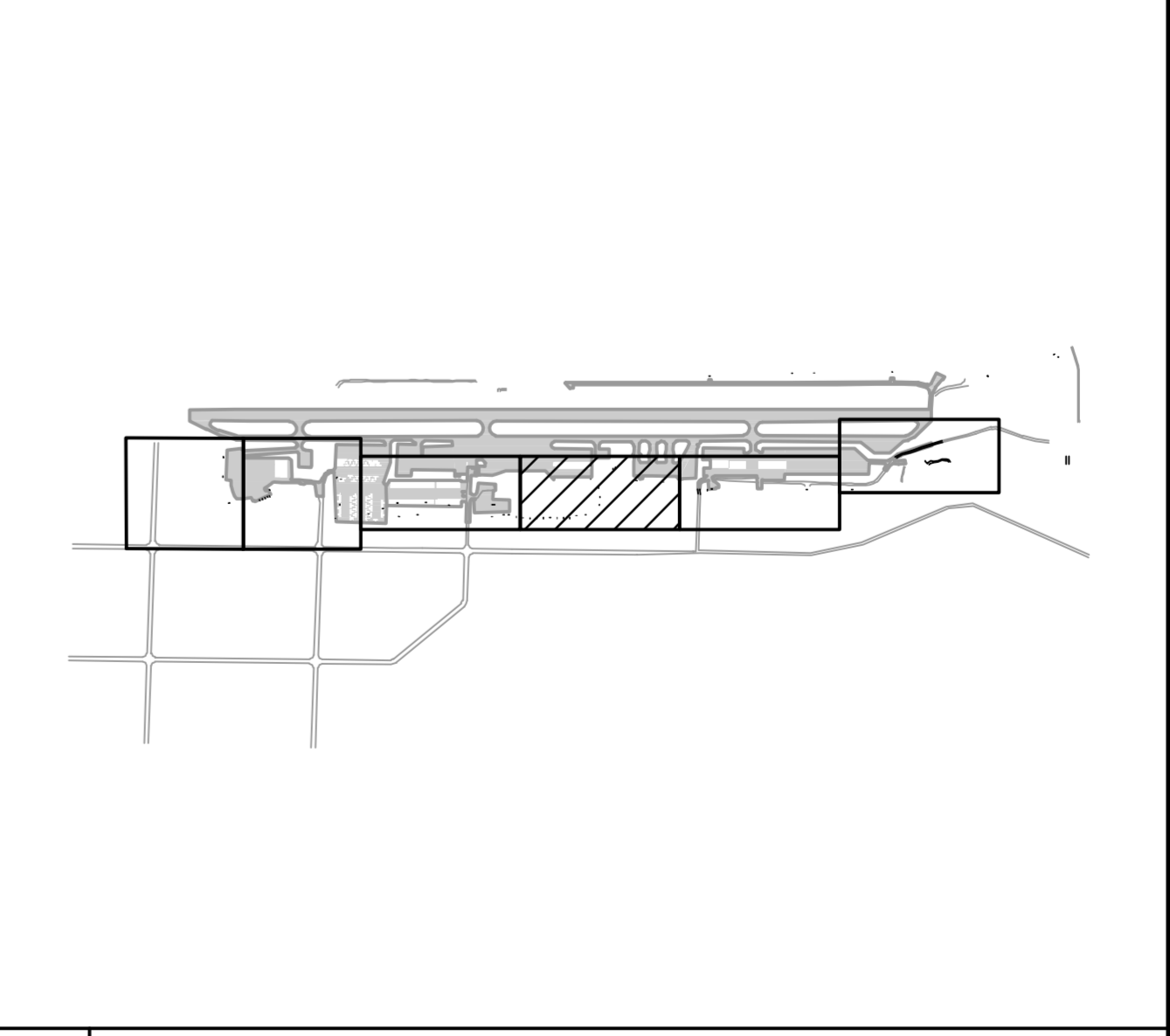
**B1 FENCING PLAN**  
SCALE: 1" = 40'



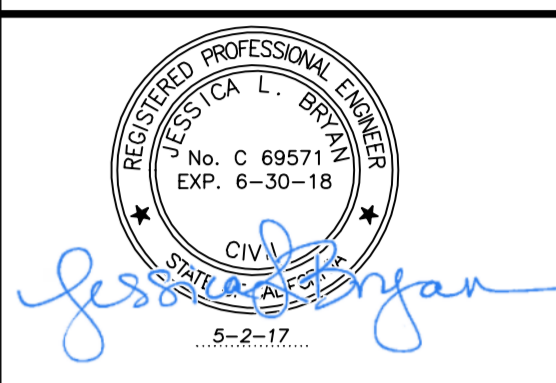
**Underground Service Alert**  
Call: TOLL FREE "811"  
TWO WORKING DAYS BEFORE YOU DIG

- A2 GENERAL NOTES**  
SCALE: NOT TO SCALE
- FIELD VERIFY ALL FENCING LOCATIONS WITH ENGINEER PRIOR TO INSTALLATION.
  - ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.
  - 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.

- A3 KEYED NOTES**  
SCALE: NOT TO SCALE
- 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.



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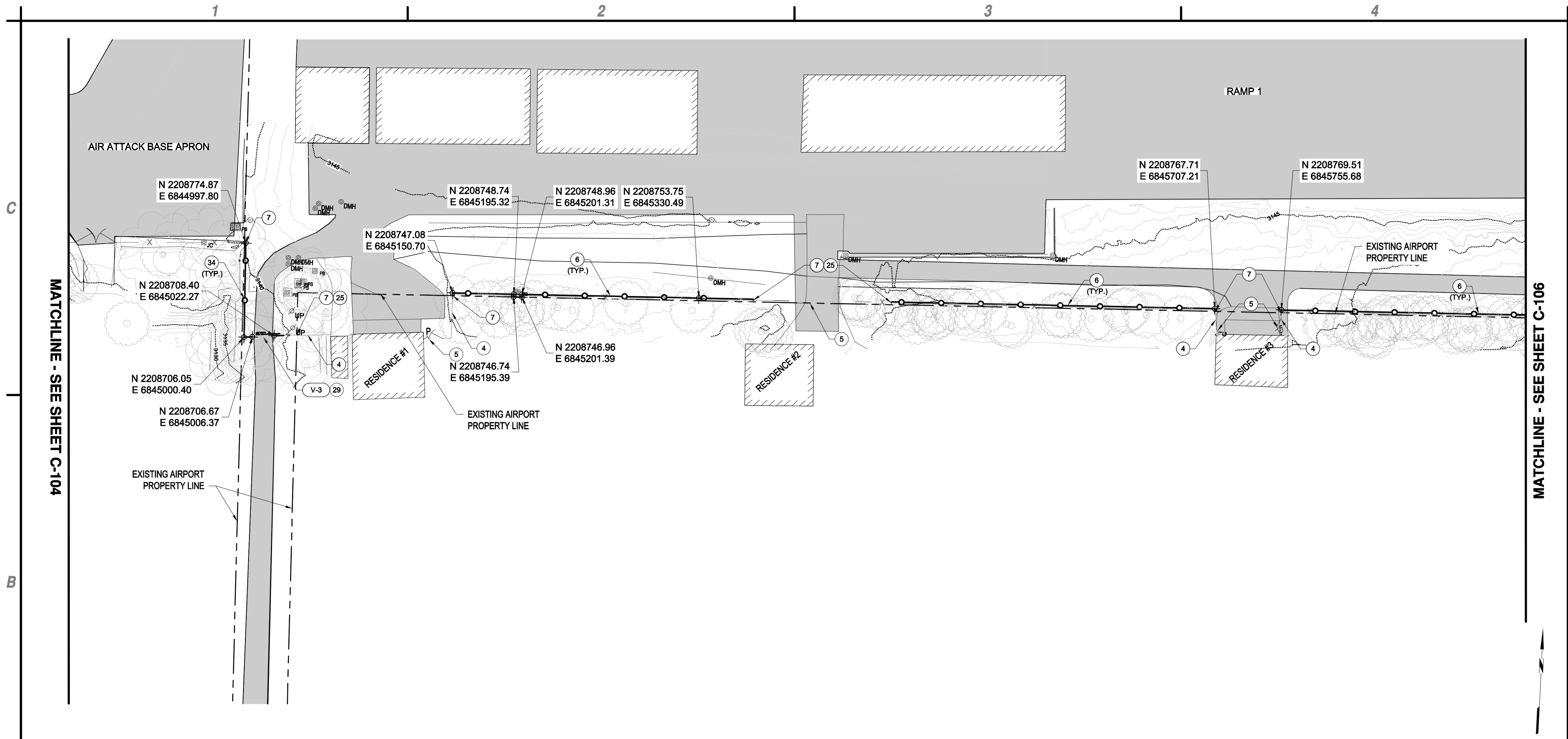
**PERIMETER FENCE & GATE SYSTEM  
UPGRADES, PHASE II**  
**NEVADA COUNTY AIRPORT**  
**NEVADA COUNTY**

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

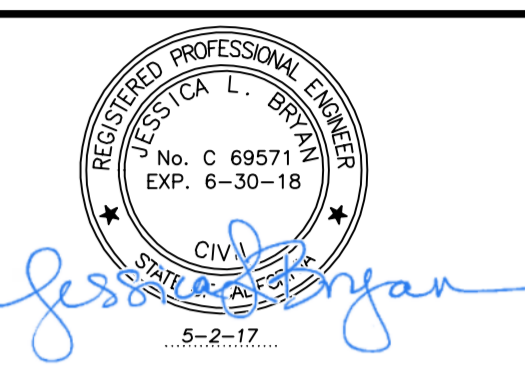
**FENCE PLAN**

**C-104**

May 02, 2017 - 1:29pm F:\Projects\095 - Nevada County - CA\095.001.001 - Perimeter Fence Project\Design - Plt - CAD\Sheet Files\095.005.001\_B\_C-101-107\_FENCING\_PLAN.dwg

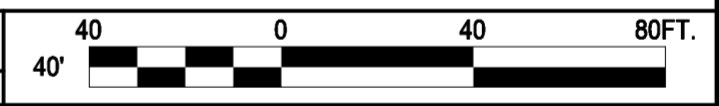


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**PERIMETER FENCE & GATE SYSTEM  
 UPGRADES, PHASE II**  
**NEVADA COUNTY AIRPORT**  
**NEVADA COUNTY**

**B1 FENCING PLAN**  
 SCALE: 1" = 40'



- FIELD VERIFY ALL FENCING LOCATIONS WITH ENGINEER PRIOR TO INSTALLATION.
- ALL WORK TO BE PERFORMED ON AIRPORT PROPERTY UNLESS WRITTEN PERMISSION IS GIVEN FROM LAND OWNER.
- 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.
- ⑤ EXISTING GATE 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.
- ⑫ STOP AT NEAREST GATE POST.
- ⑲ SEE EL-502 FOR ENLARGED GATE PLAN.
- ⑳ 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
(V-3)	CANTILEVER VEHICLE (A)	16'	RESIDENCE #1

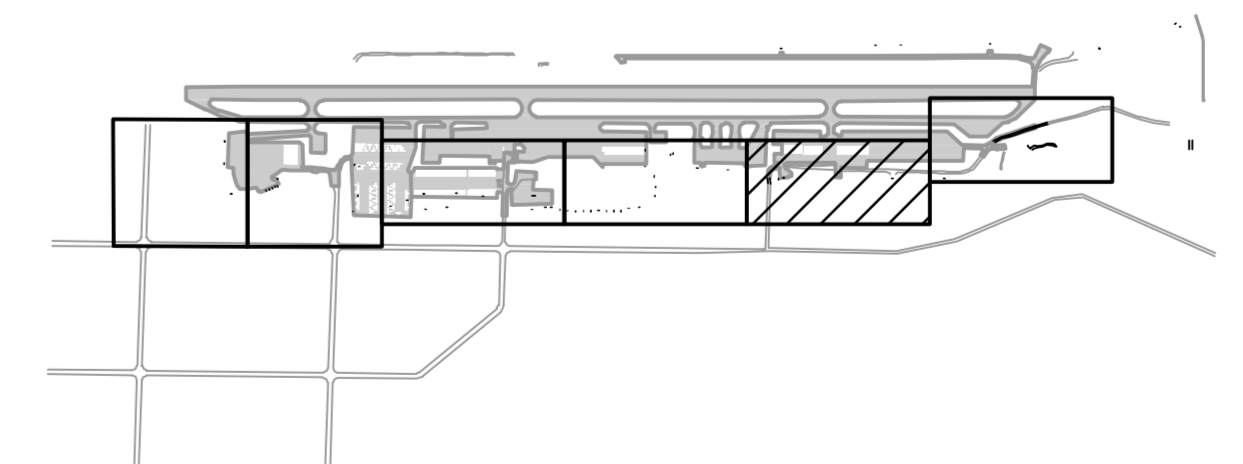
- (A) - AUTOMATIC
- (M) - MANUAL
- (C) - CIPHER

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

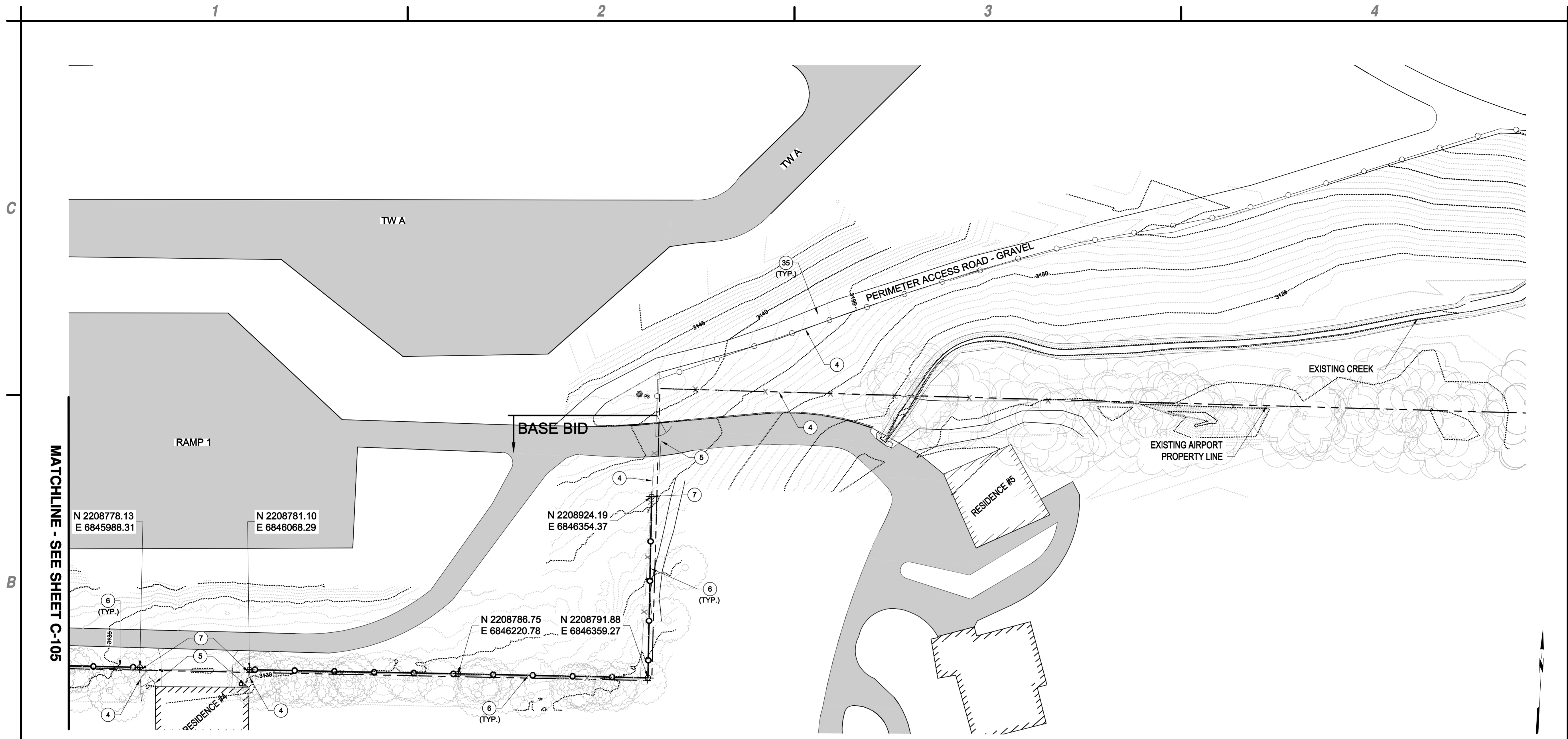
**A4 KEY MAP**  
 SCALE: NOT TO SCALE

**FENCE PLAN**

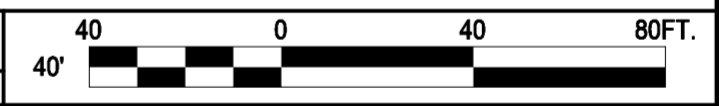
**C-105**

May 02, 2017 - 1:30pm  
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MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: 095.001.001		
DATE: MAY 2017		
DRAWN BY: GT		
DESIGNED BY: GT		
CHECKED BY: JLB		



**B1** FENCING PLAN  
SCALE: 1" = 40'



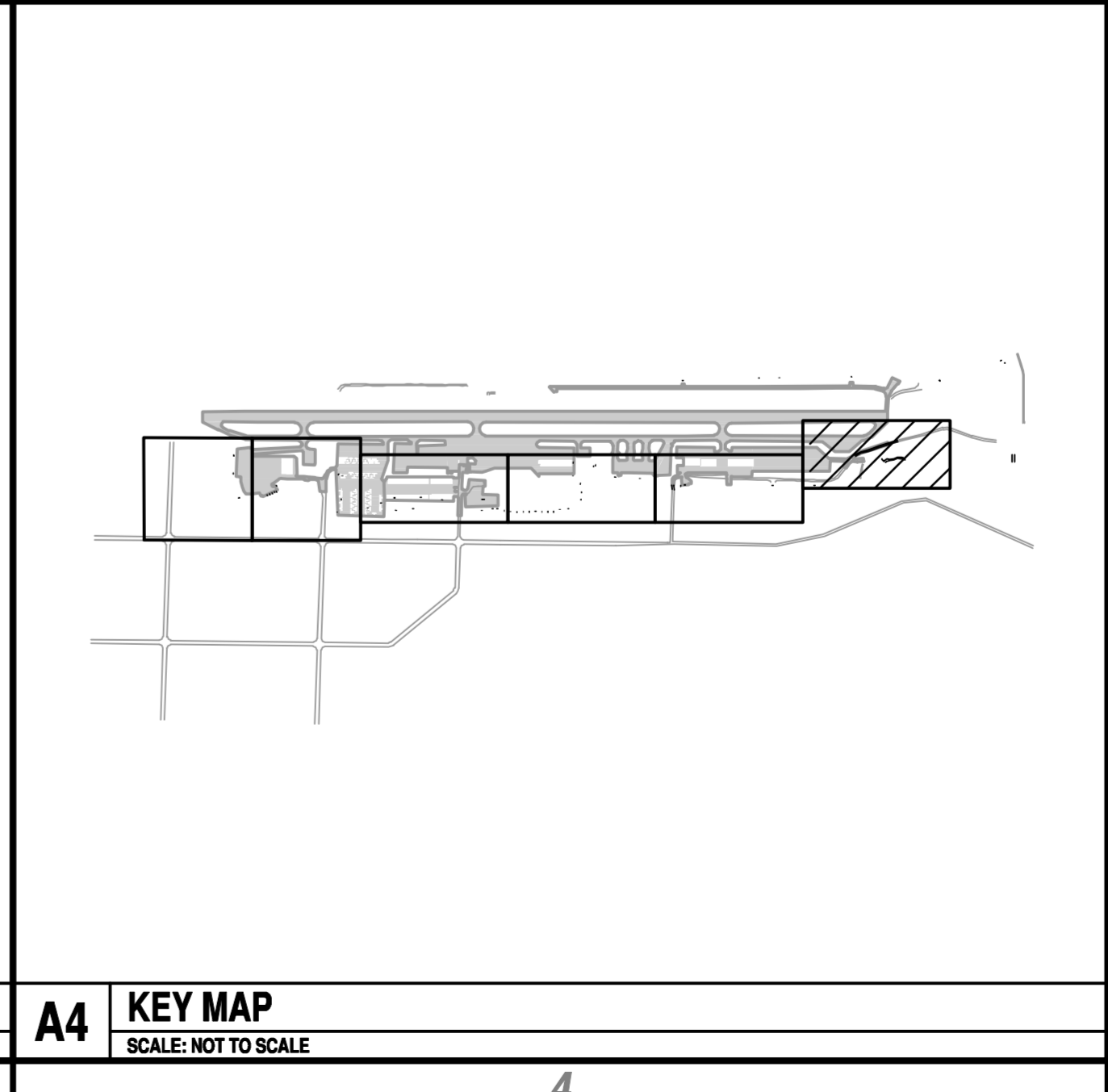
**Underground Service Alert**

Call: TOLL FREE "811"  
TWO WORKING DAYS BEFORE YOU DIG

**A2** GENERAL NOTES  
SCALE: NOT TO SCALE

- FIELD VERIFY ALL FENCING LOCATIONS WITH ENGINEER PRIOR TO INSTALLATION.
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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 DETAILS C2, SHEET C-501, AND C1, SHEET C-502.
  - ⑦ TIE INTO EXISTING FENCE.
  - ③⑤ NEVADA IRRIGATION DISTRICT ACCESS ROAD. CONTRACTOR SHALL MAINTAIN NID ACCESS AT ALL TIMES.
- A3** KEYED NOTES  
SCALE: NOT TO SCALE



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8950 Cal Center Drive, Suite 112  
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Jessica L. Bryan  
CIVIL ENGINEER  
SAFE PRACTICE  
5-2-17



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

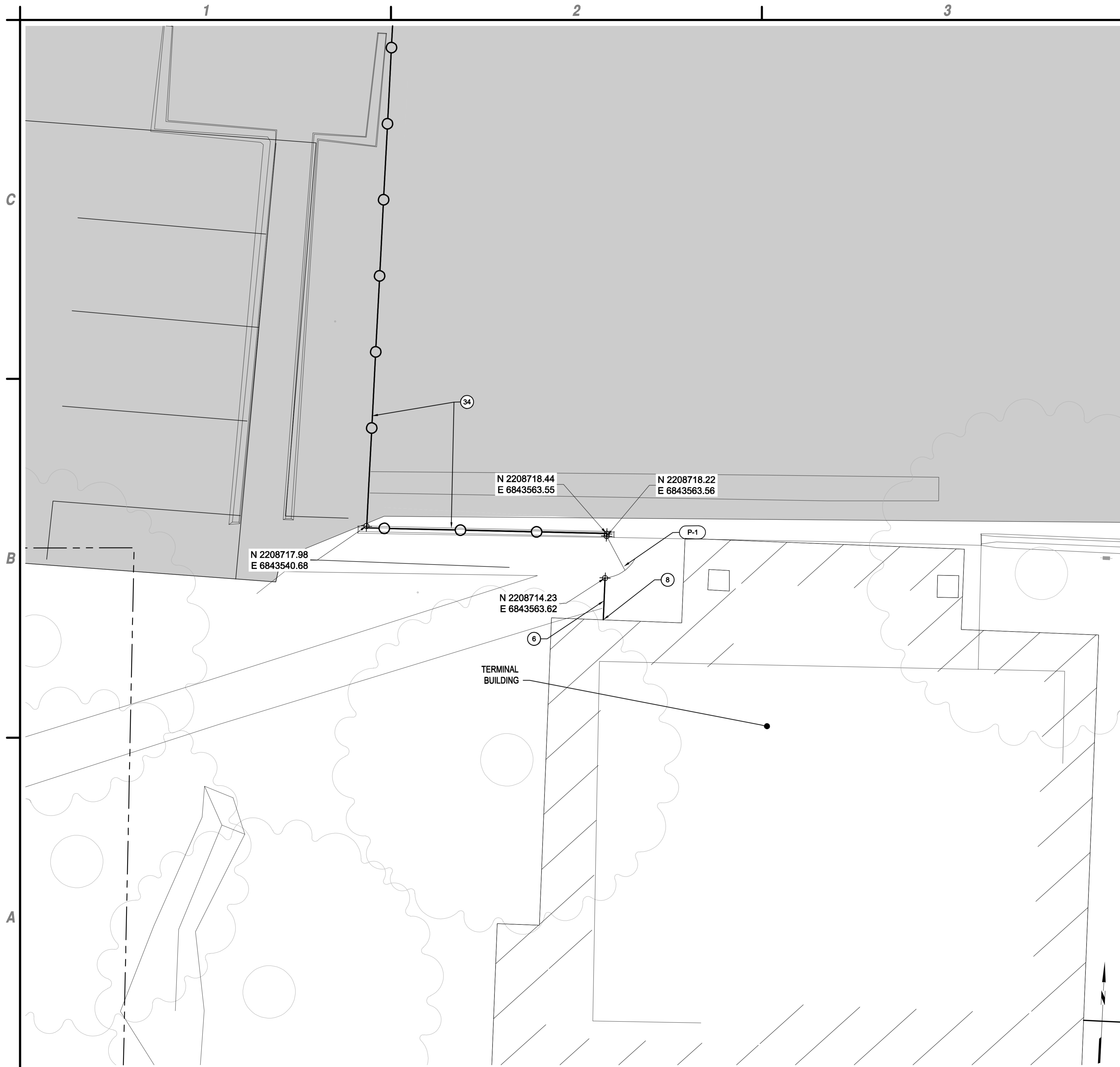
**NEVADA COUNTY AIRPORT  
NEVADA COUNTY**

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

**FENCE PLAN**

**C-106**

May 02, 2017 - 1:30pm  
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**A1 FENCING PLAN - TERMINAL BUILDING**  
SCALE: 1" = 5'

- 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.

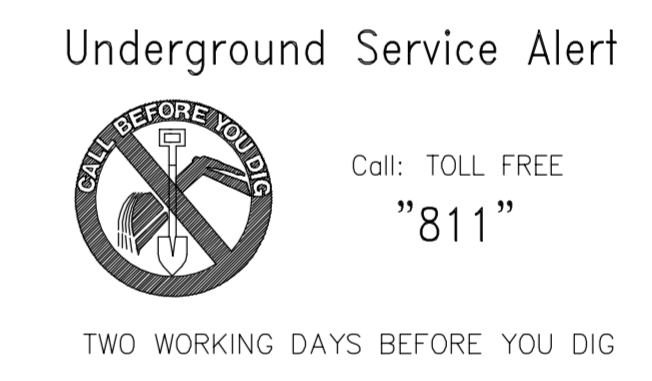
**GENERAL NOTE:**

1. FIELD VERIFY ALL FENCING LOCATIONS WITH ENGINEER PRIOR TO INSTALLATION.
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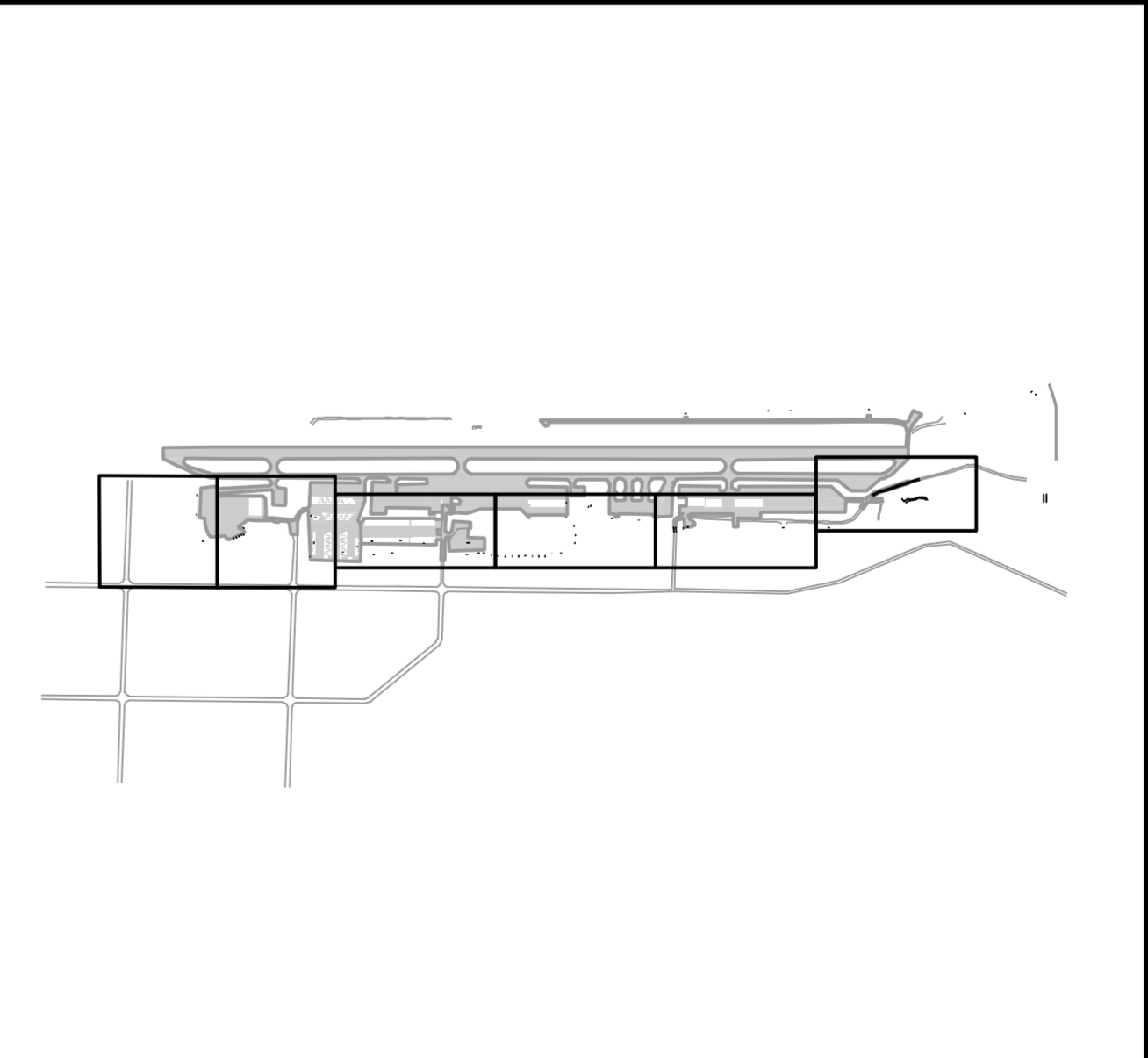
**C4 NOTES**  
SCALE: NOT TO SCALE

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

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



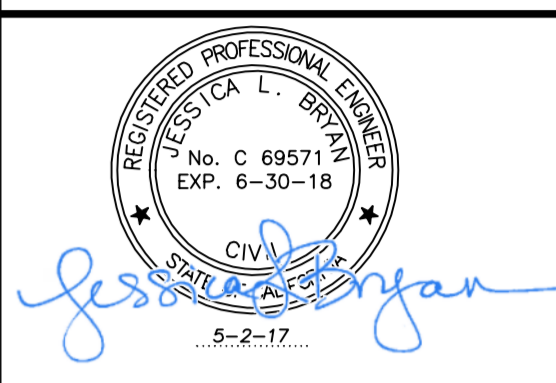
**B4 GATE LEGEND**  
SCALE: NOT TO SCALE



**A4 KEY MAP**  
SCALE: NOT TO SCALE



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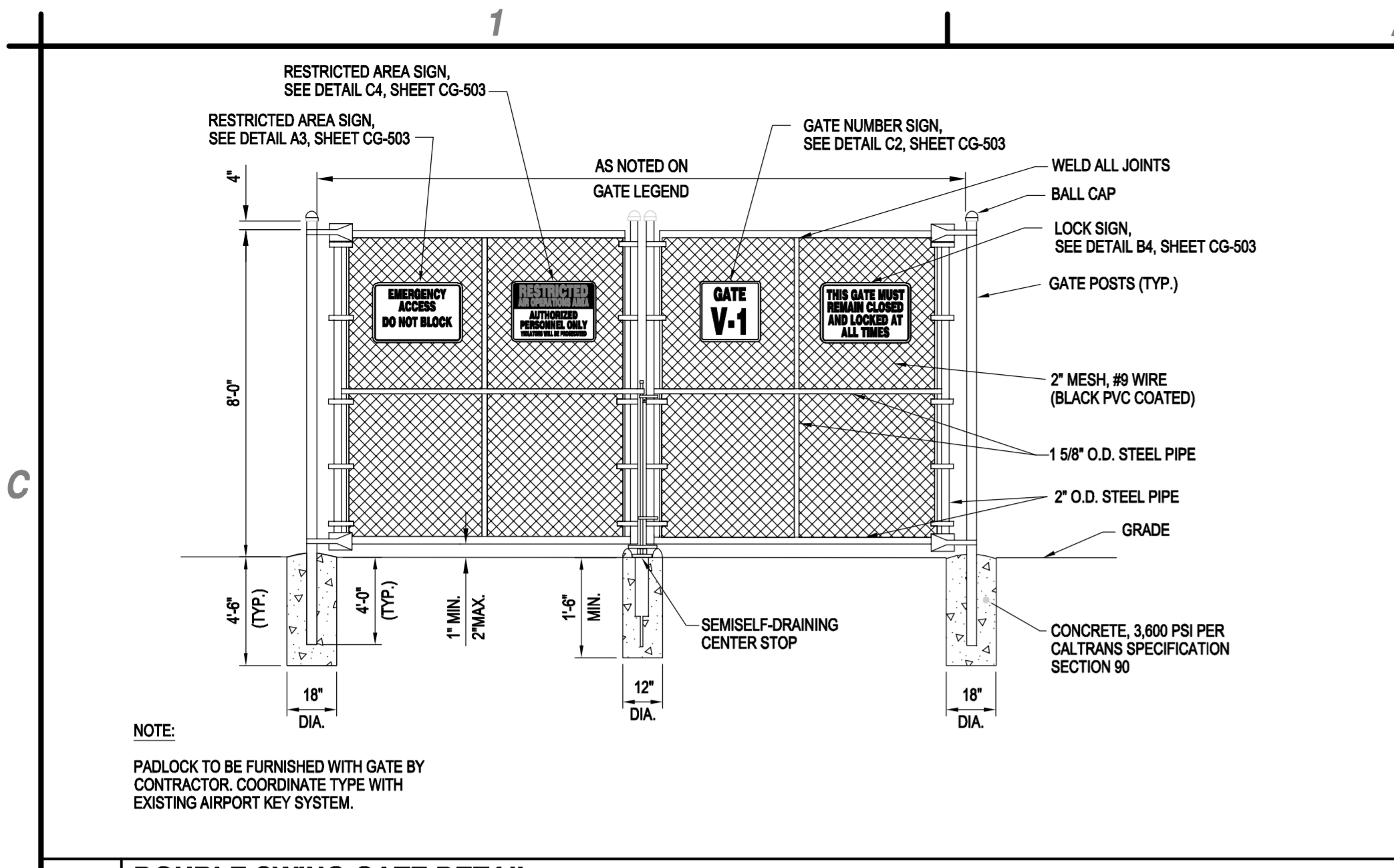
**PERIMETER FENCE & GATE SYSTEM  
UPGRADES, PHASE II**  
**NEVADA COUNTY AIRPORT**  
**NEVADA COUNTY**

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

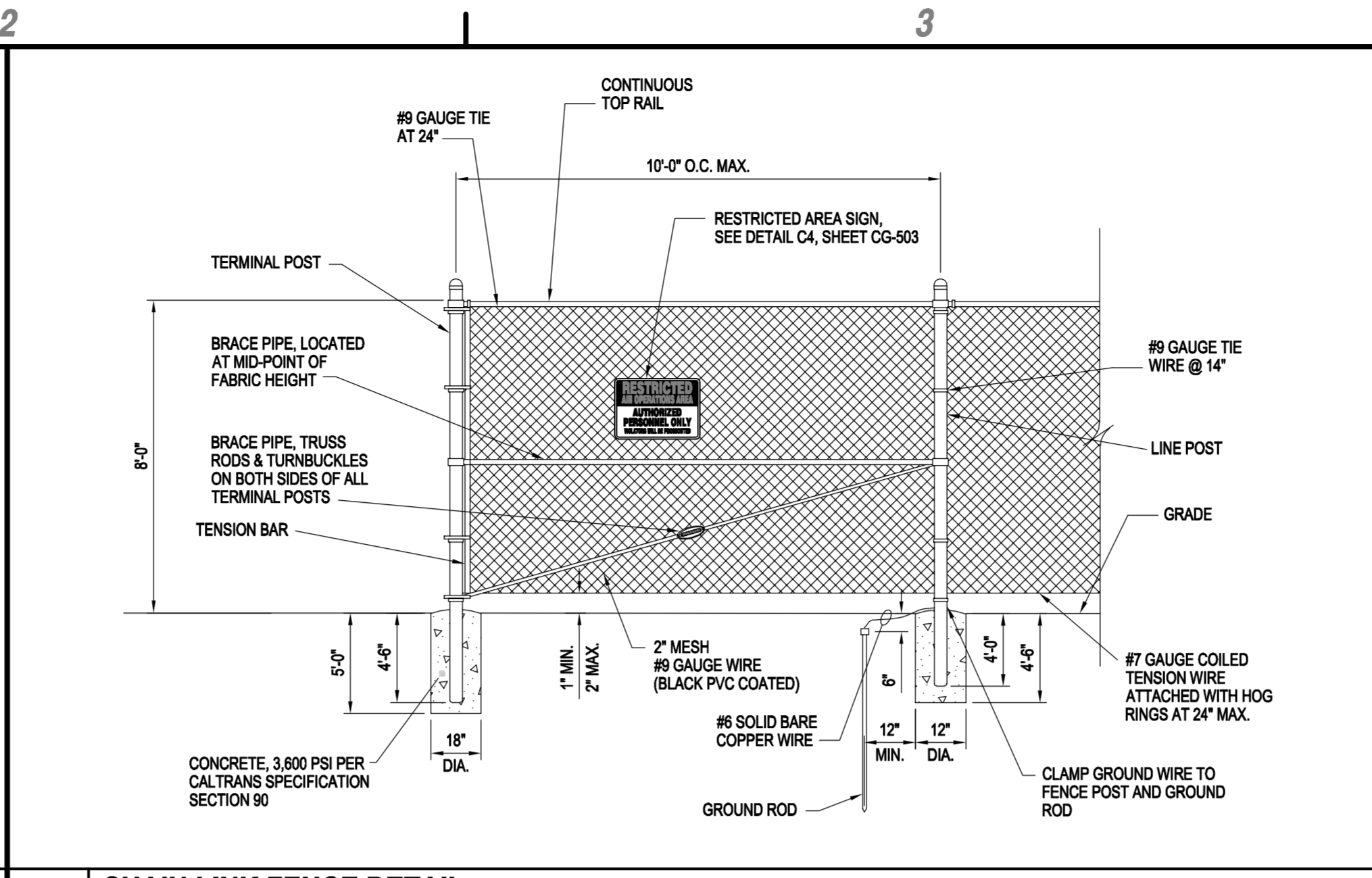
**FENCE PLAN**

**C-107**

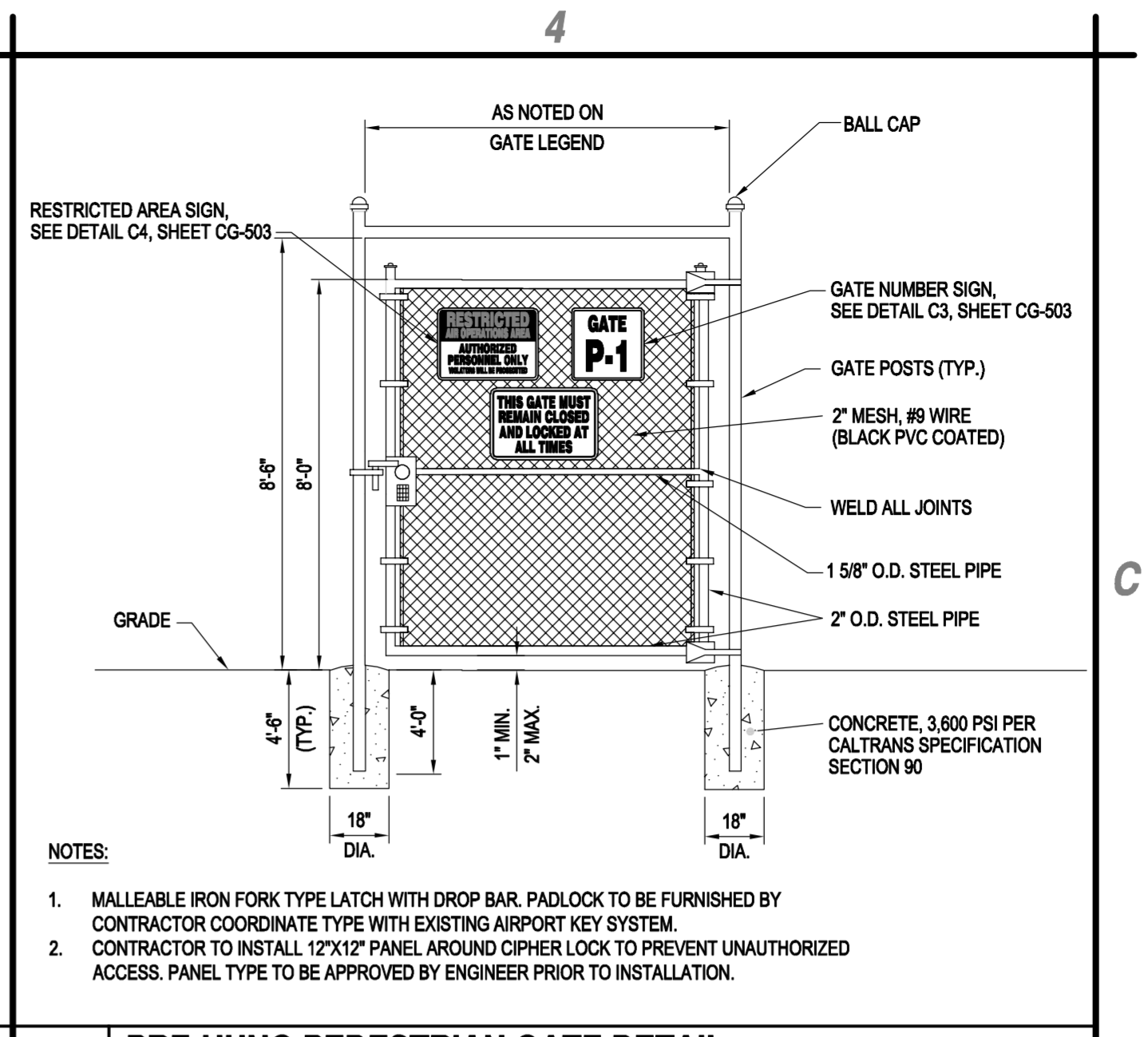
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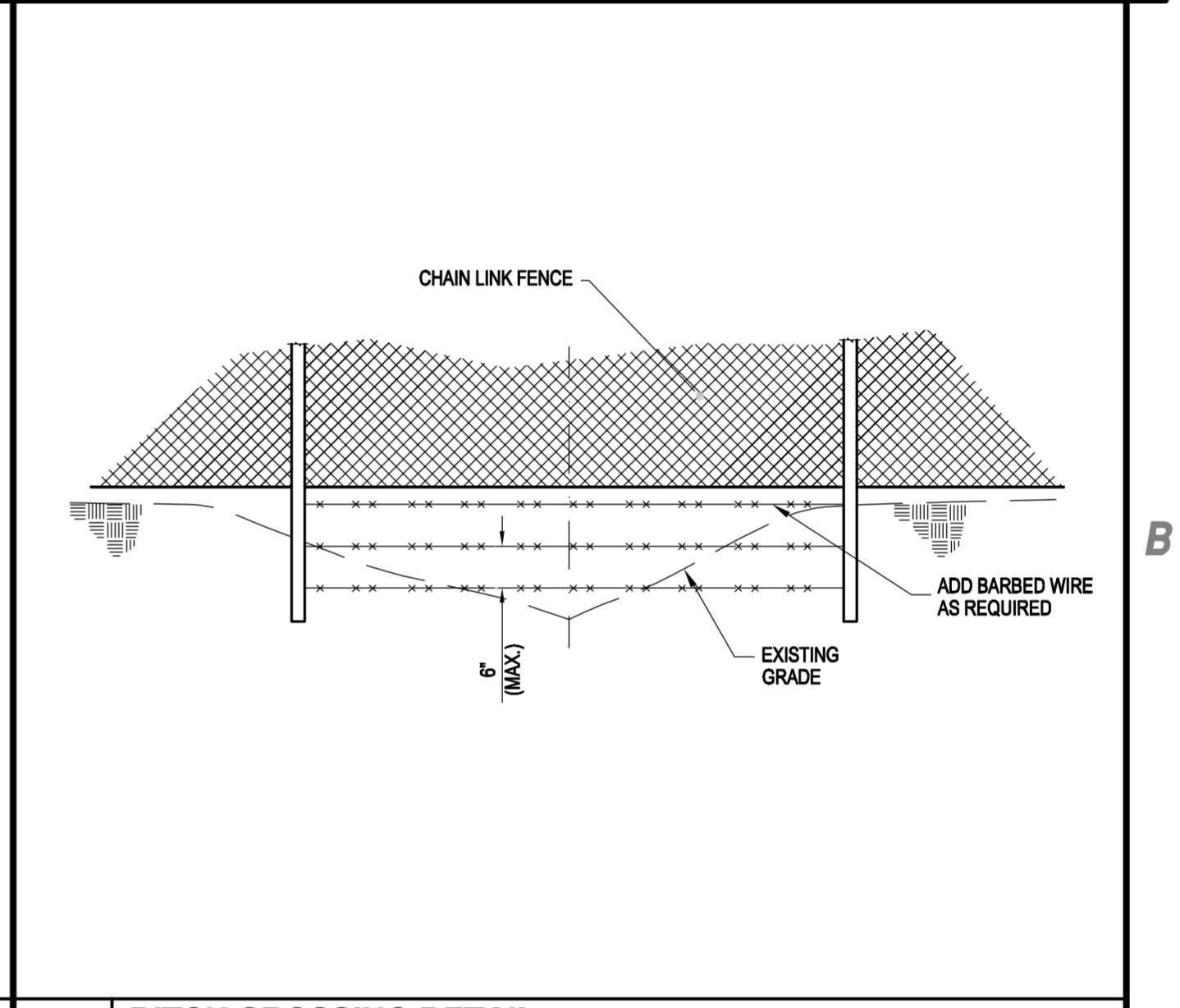
**C1 DOUBLE SWING GATE DETAIL**  
SCALE: NOT TO SCALE



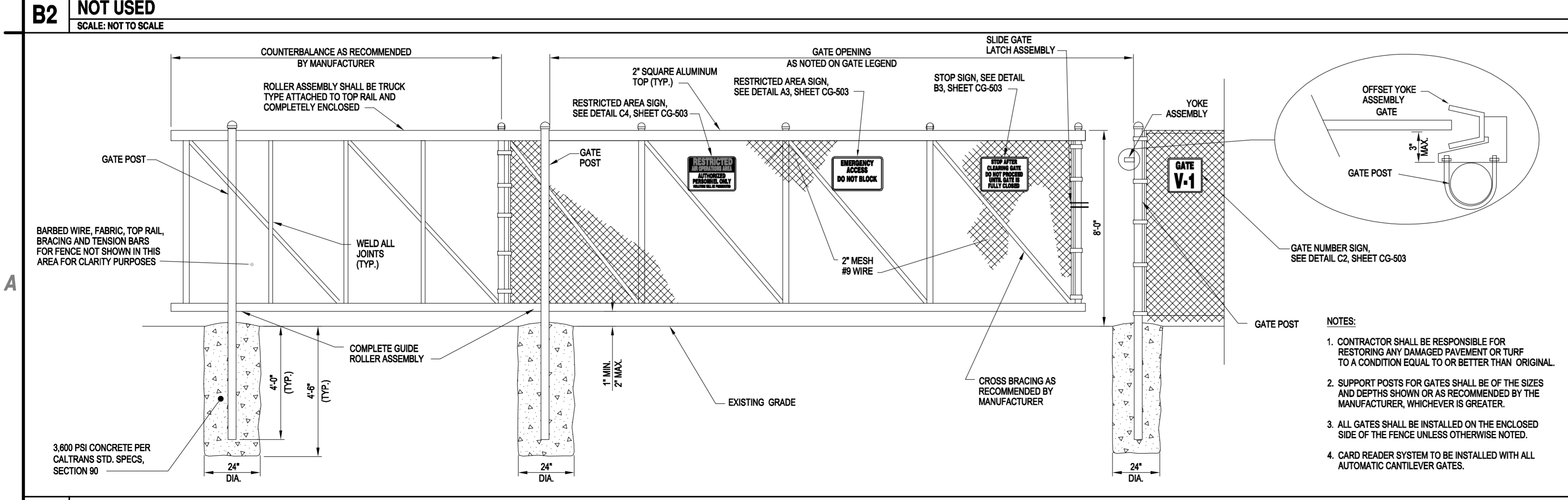
**C2 CHAIN LINK FENCE DETAIL**  
SCALE: NOT TO SCALE



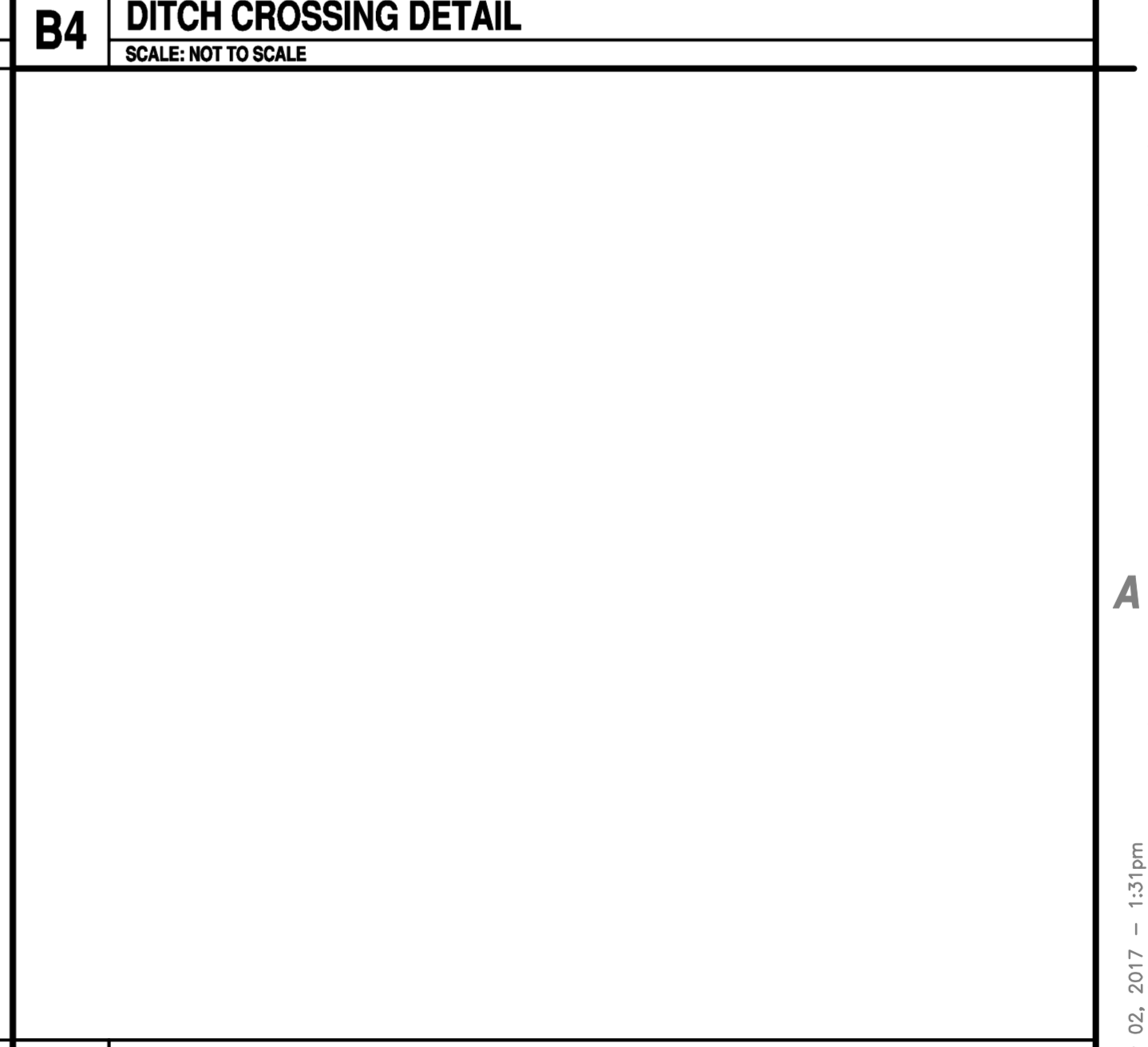
**C4 PRE-HUNG PEDESTRIAN GATE DETAIL**  
SCALE: NOT TO SCALE



**B4 DITCH CROSSING DETAIL**  
SCALE: NOT TO SCALE



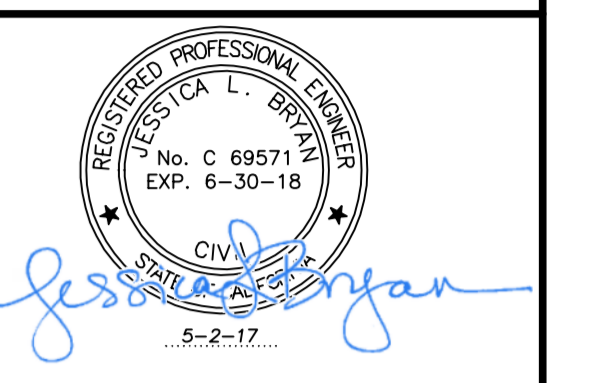
**A1 AUTOMATIC CANTILEVER GATE DETAIL**  
SCALE: NOT TO SCALE



**A4 NOT USED**  
SCALE: NOT TO SCALE



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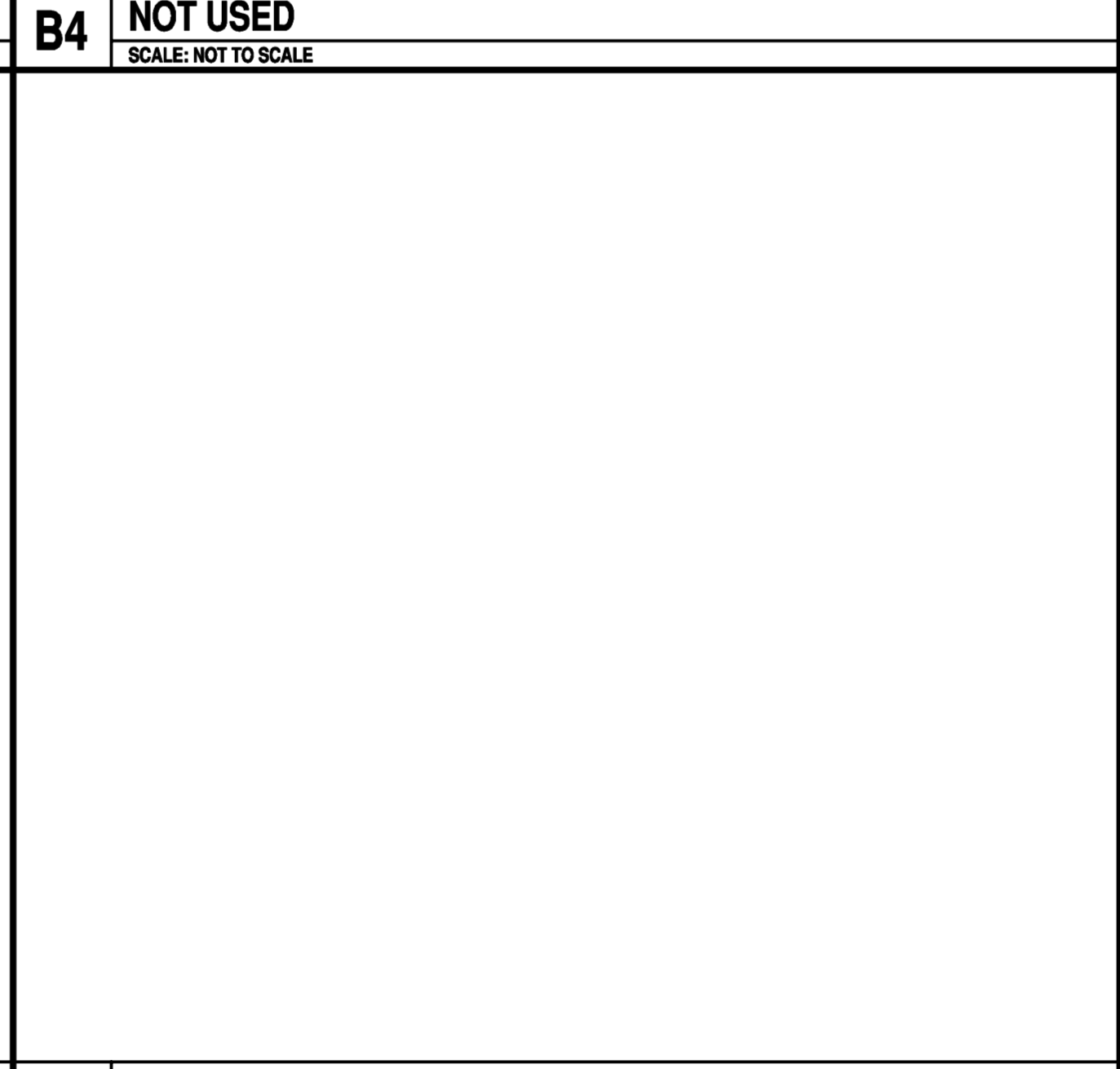
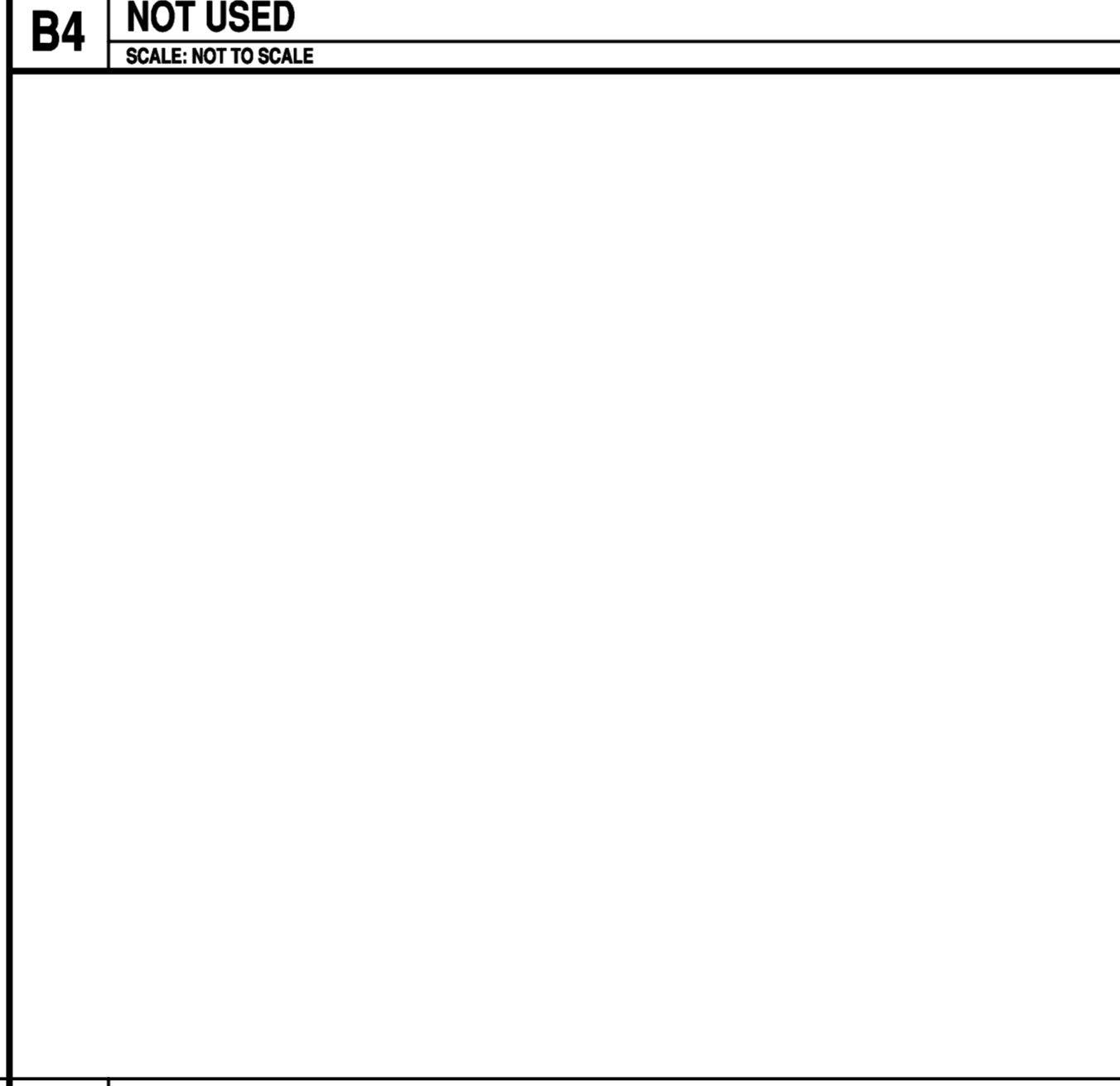
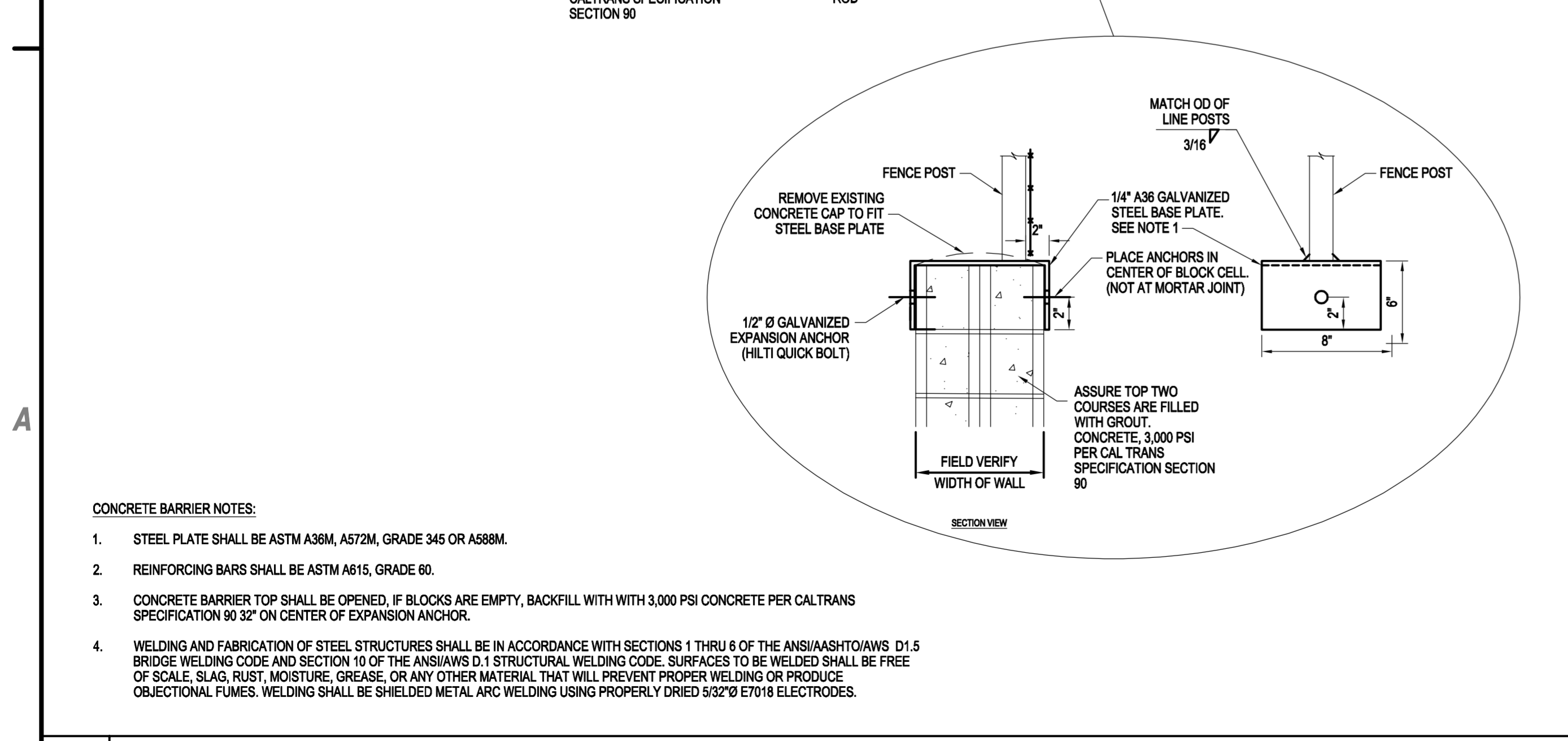
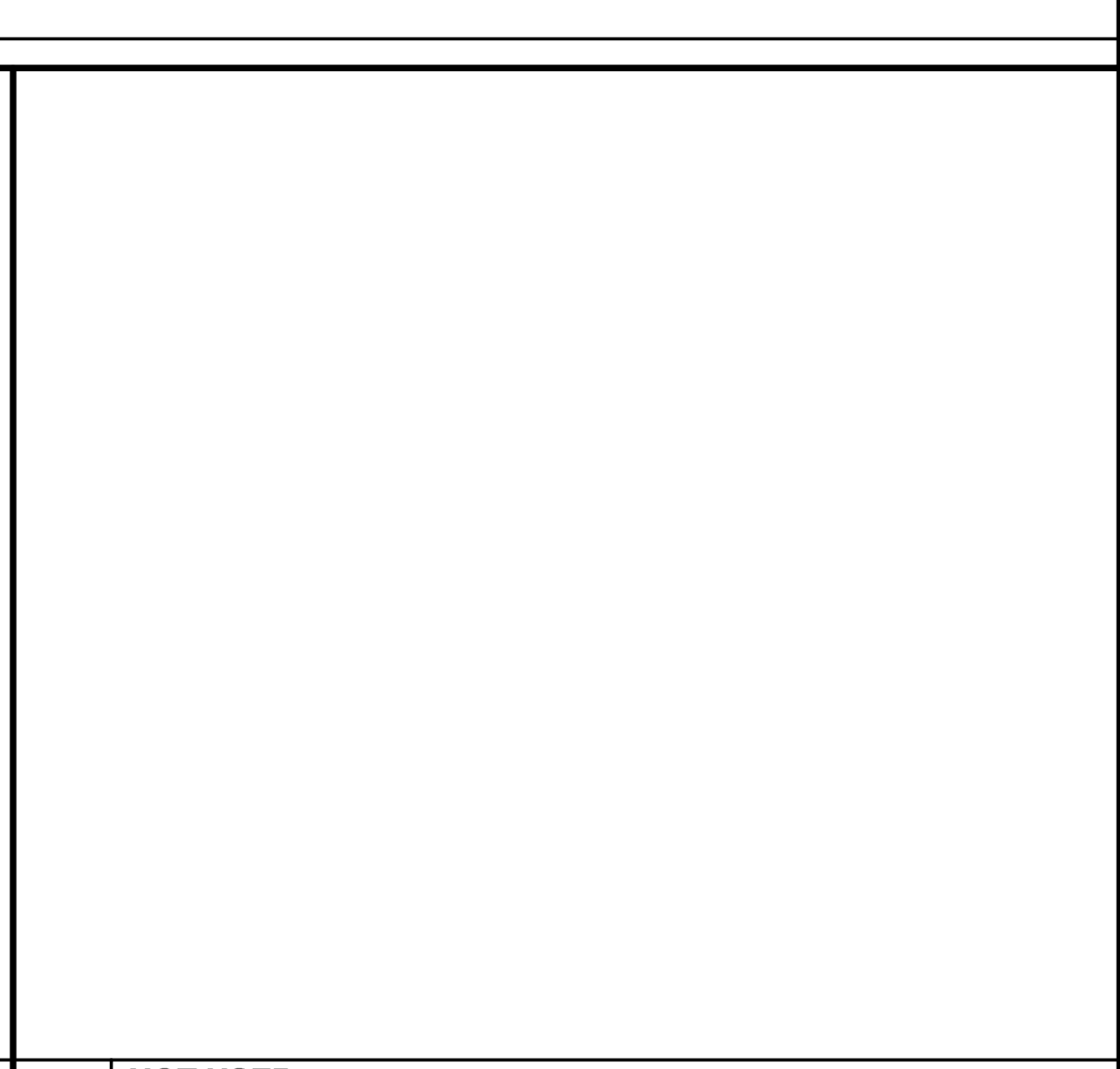
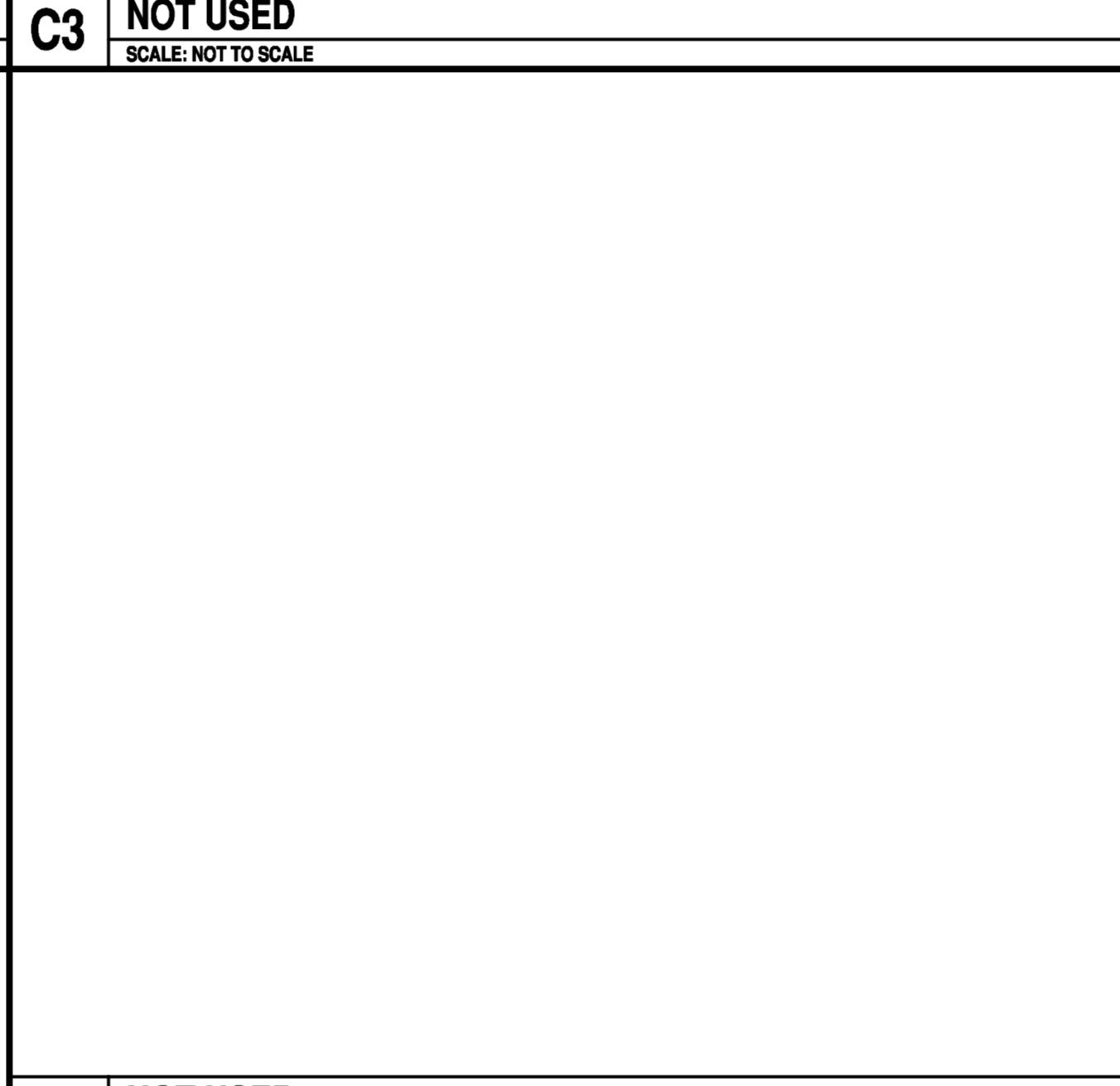
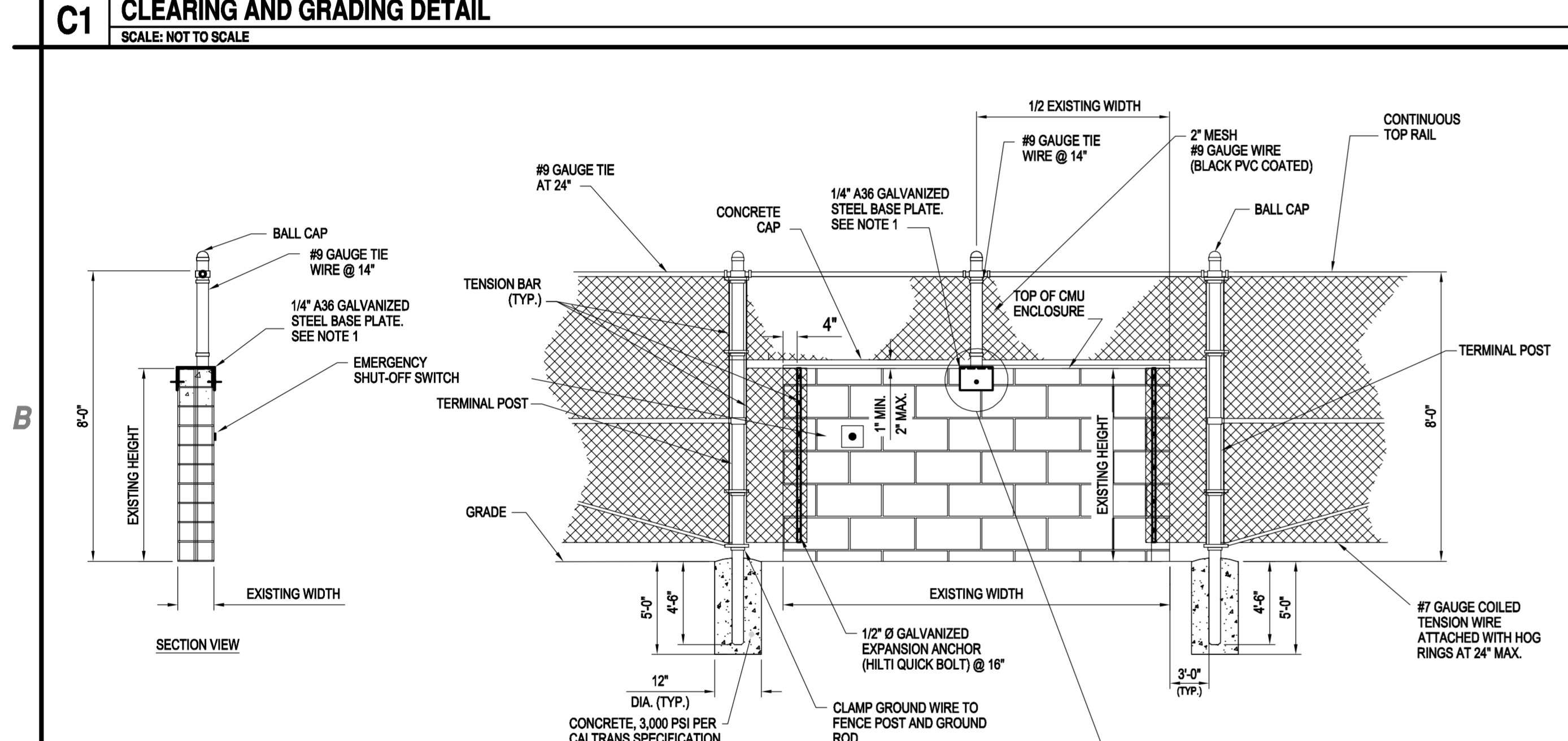
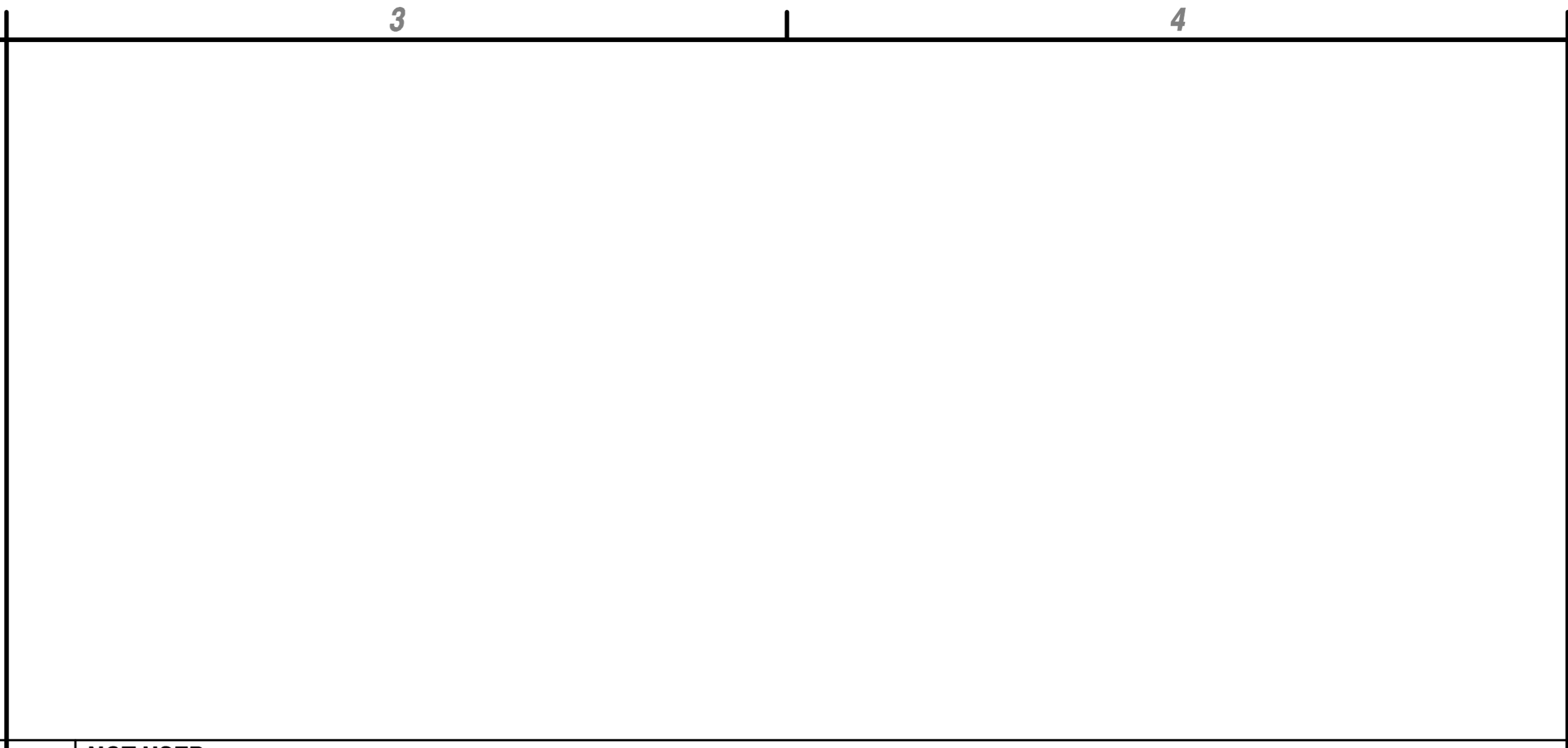
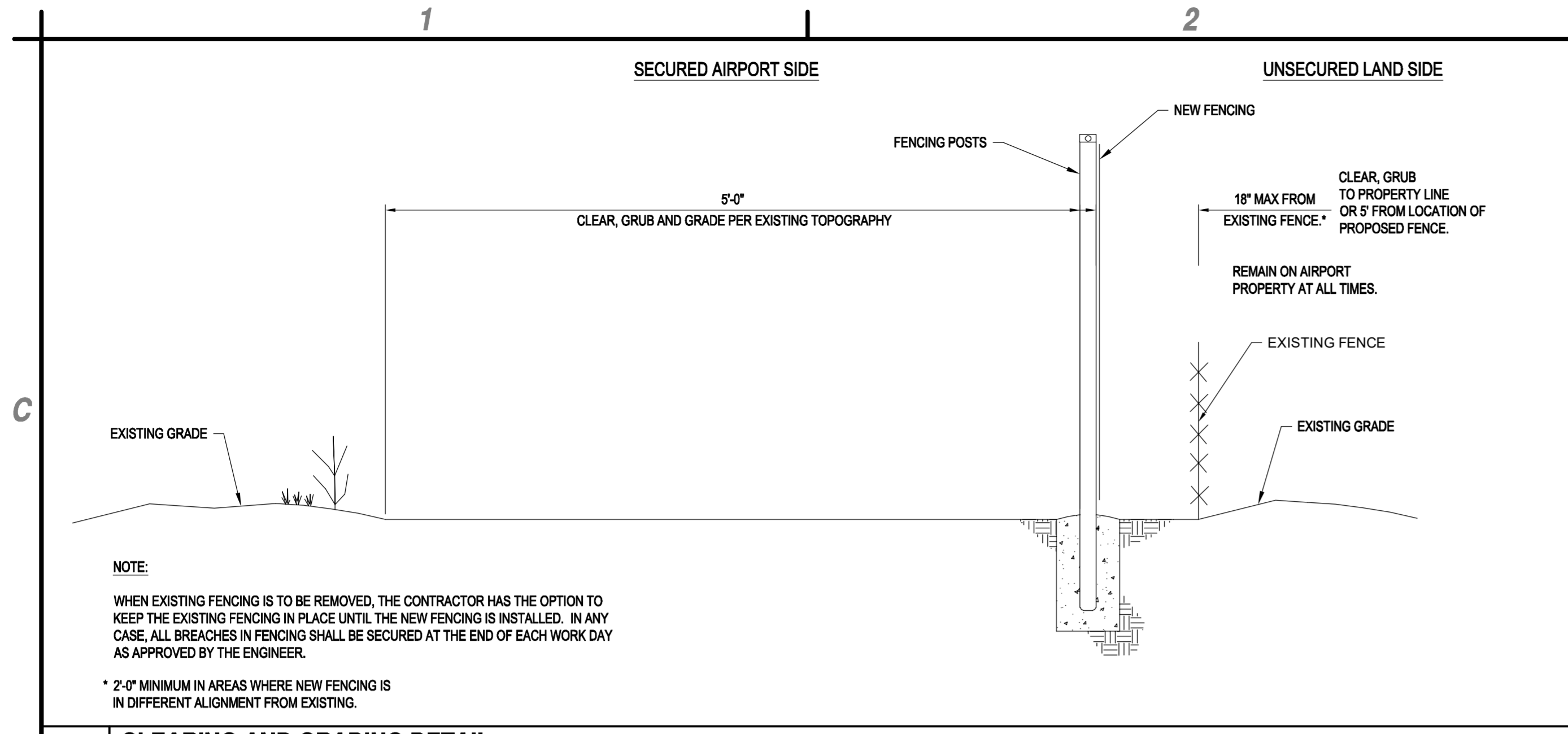
**PERIMETER FENCE & GATE SYSTEM  
UPGRADES, PHASE II**  
**NEVADA COUNTY AIRPORT**  
**NEVADA COUNTY**

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

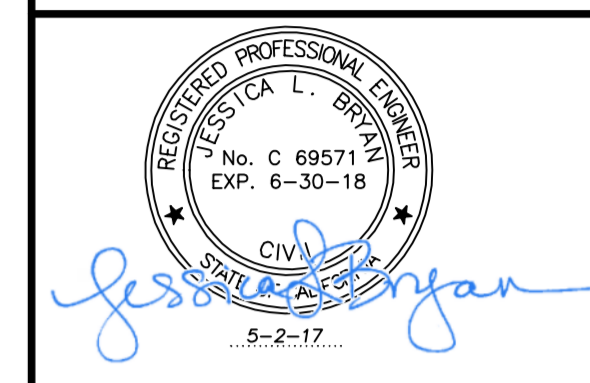
**FENCE DETAILS**

**C-501**

May 02, 2017 - 1:31pm  
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**PERIMETER FENCE & GATE SYSTEM  
UPGRADES, PHASE II**  
**NEVADA COUNTY AIRPORT**  
**NEVADA COUNTY**

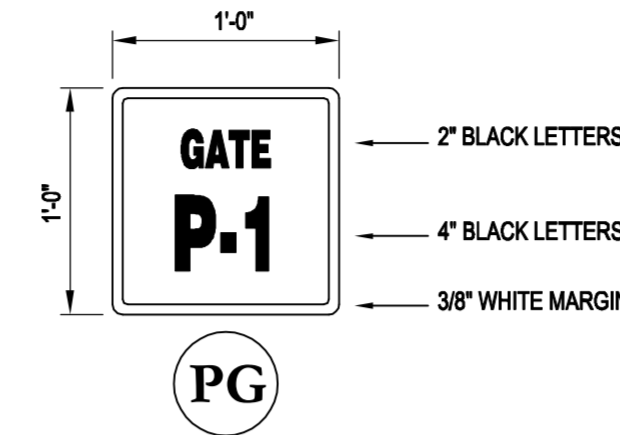
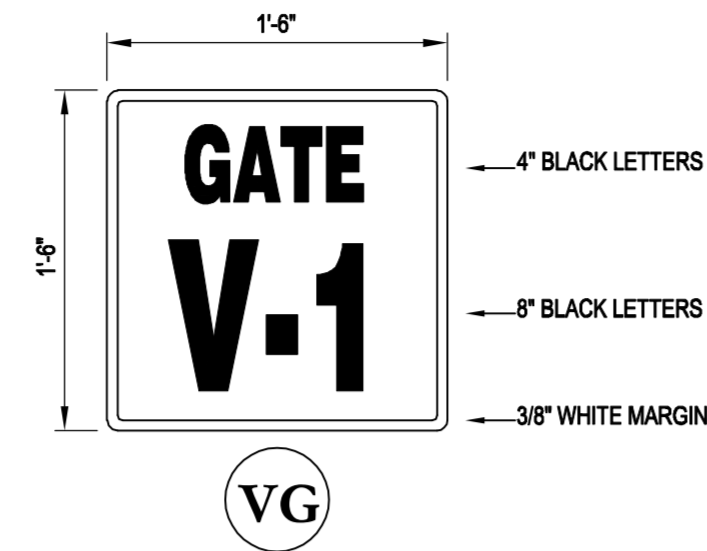
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: O95.001.001		
DATE: MAY 2017		
DRAWN BY: GT		
DESIGNED BY: GT		
CHECKED BY: JLB		

**FENCE DETAILS**

**C-502**

May 02, 2017 - 1:32pm F:\Projects\095 - Nevada County - CA\095.001.001 - Perimeter Fence - Project\Design - Plt - (CAD)\Sheet - Files\095.005.001\_10\_C-501-503\_DETAILS.dwg





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

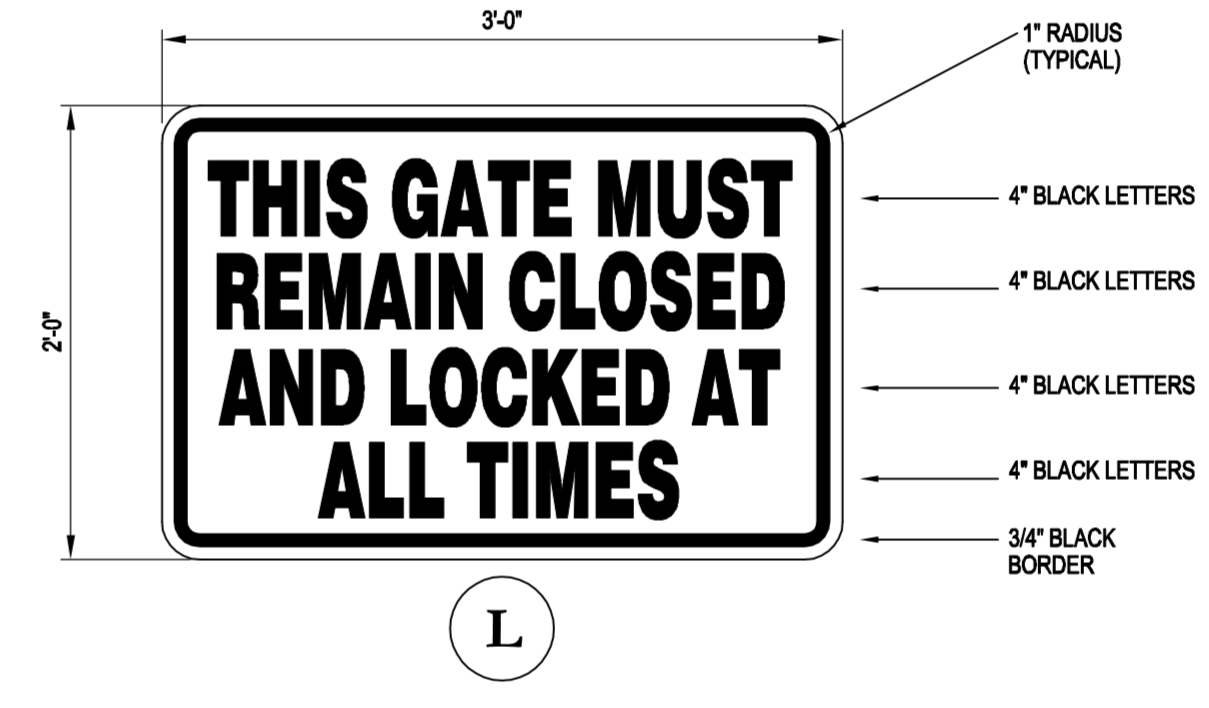
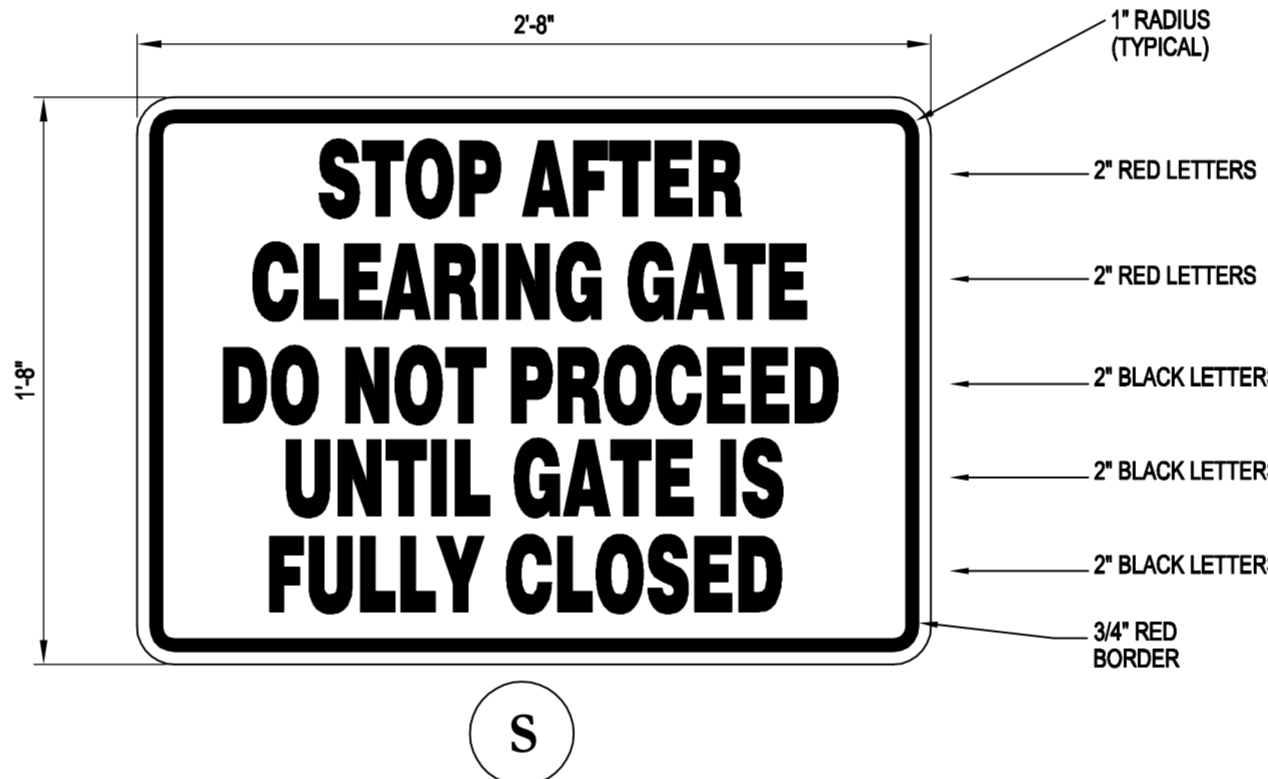
SIGN TYPE	LOCATION AND QUANTITY							COMMENTS
	AUTOMATIC CANTILEVER VEHICLE GATE	MANUAL DOUBLE SWING VEHICLE GATE	PRE-HUNG PEDESTRIAN GATE W/ CIPHER LOCK	FENCE LINE	LAND SIDE	AIRSIDE		
(R) RESTRICTED AREA	1	1	1	*	•			* 100' FROM CORNERS AND 150' O.C.
(E) EMERGENCY ACCESS	1	1			•		•	
(S) STOP	1				•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

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

A1 SIGN SCHEDULE  
NOT TO SCALE

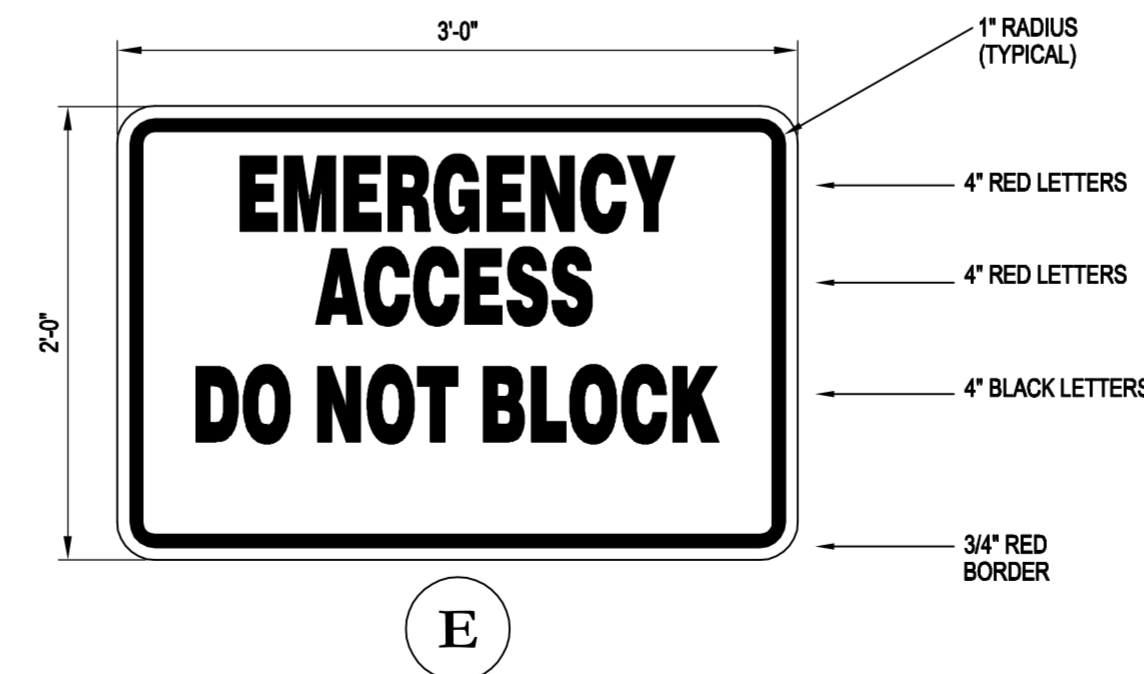
A3 EMERGENCY ACCESS SIGN  
NOT TO SCALE

A4 GENERAL NOTES  
NOT TO SCALE



B3 STOP SIGN  
NOT TO SCALE

B4 LOCK SIGN  
NOT TO SCALE



- NOTES:
- SIGN CONSTRUCTION - SIGN PANELS SHALL BE FLAT SHEET ALUMINUM PER THE SPECIFICATIONS. THE ALUMINUM SIGN PANELS SHALL BE 0.040" THICK, EXCEPT STOP SIGN 'S' SHALL BE 0.060" THICK. TOP OF SIGN SHALL BE 2" FROM TOP OF PROPOSED SECURITY FENCE.
  - SIGN ATTACHMENT - SIGN PANELS SHALL BE ATTACHED TO FENCING OR SIGN BASE USING CADMIUM OR ZINC PLATED HARDWARE AND PER THE SPECIFICATIONS. SIGNS SHALL BE SECURELY ATTACHED TO THE FENCING, GATES, AND POSTS IN AT LEAST FOUR CORNER LOCATIONS IN A MANNER APPROVED BY THE AIRPORT AUTHORITY.
  - LETTERING - LETTERS, BORDERS AND FILL SHALL BE NON-REFLECTIVE (RED OR BLACK COLOR AS SHOWN) BLOCK STYLE FONT, SILK SCREENED, NON-REFLECTIVE VINYL LETTERS, BORDERS AND FILL ARE ALSO ACCEPTABLE.
  - BACKGROUND-U.O.N. BACKGROUND AND WHITE LETTERS SHALL BE SILVER-WHITE RETROREFLECTIVE SHEETING.

A3 EMERGENCY ACCESS SIGN  
NOT TO SCALE

A4 GENERAL NOTES  
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		

SIGN DETAILS  
AND  
SCHEDULE

C-503

May 02, 2017 - 1:32pm - Nevada County - CA\O95.001.001 - Perimeter Fence - Project Design - Plt - CAD\Sheet Files\O95.005.001\_10\_C-501-503\_DETAILS.dwg

Underground Service Alert



Call: TOLL FREE  
"811"

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.)

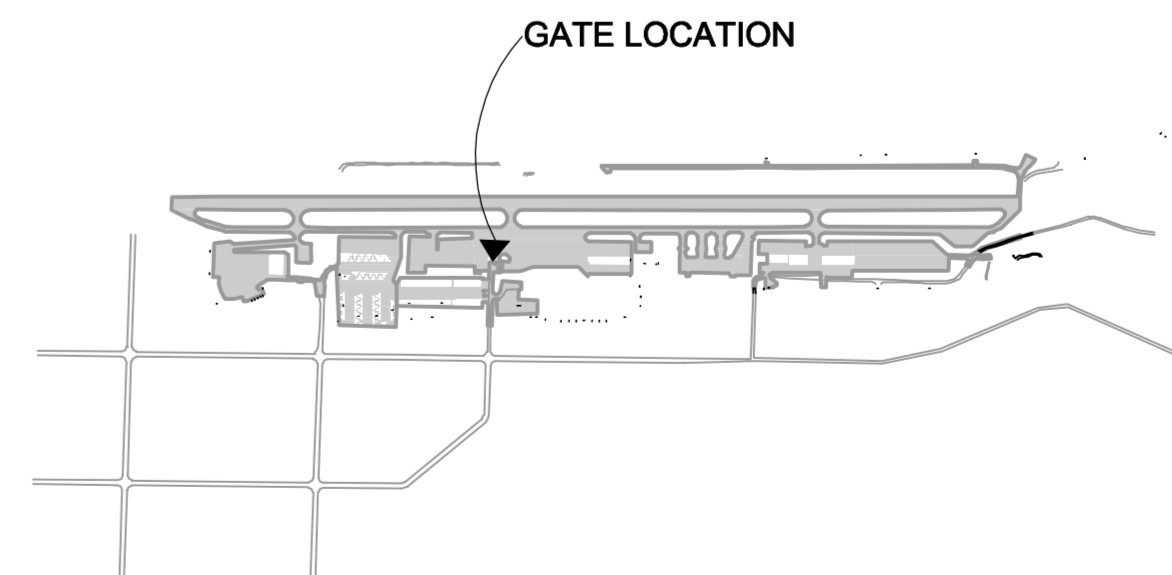
16'-0"  
CLEAR OPENING

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

- 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.
- 20 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.
- 38 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



**A1 CANTILEVER GATE PLAN**

SCALE: 1" = 5'

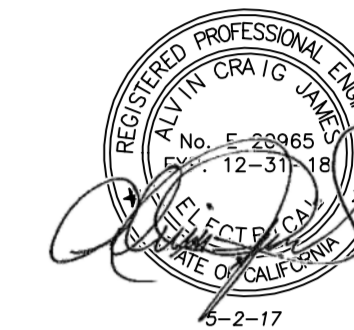


**A4 KEY MAP**

SCALE: NOT TO SCALE



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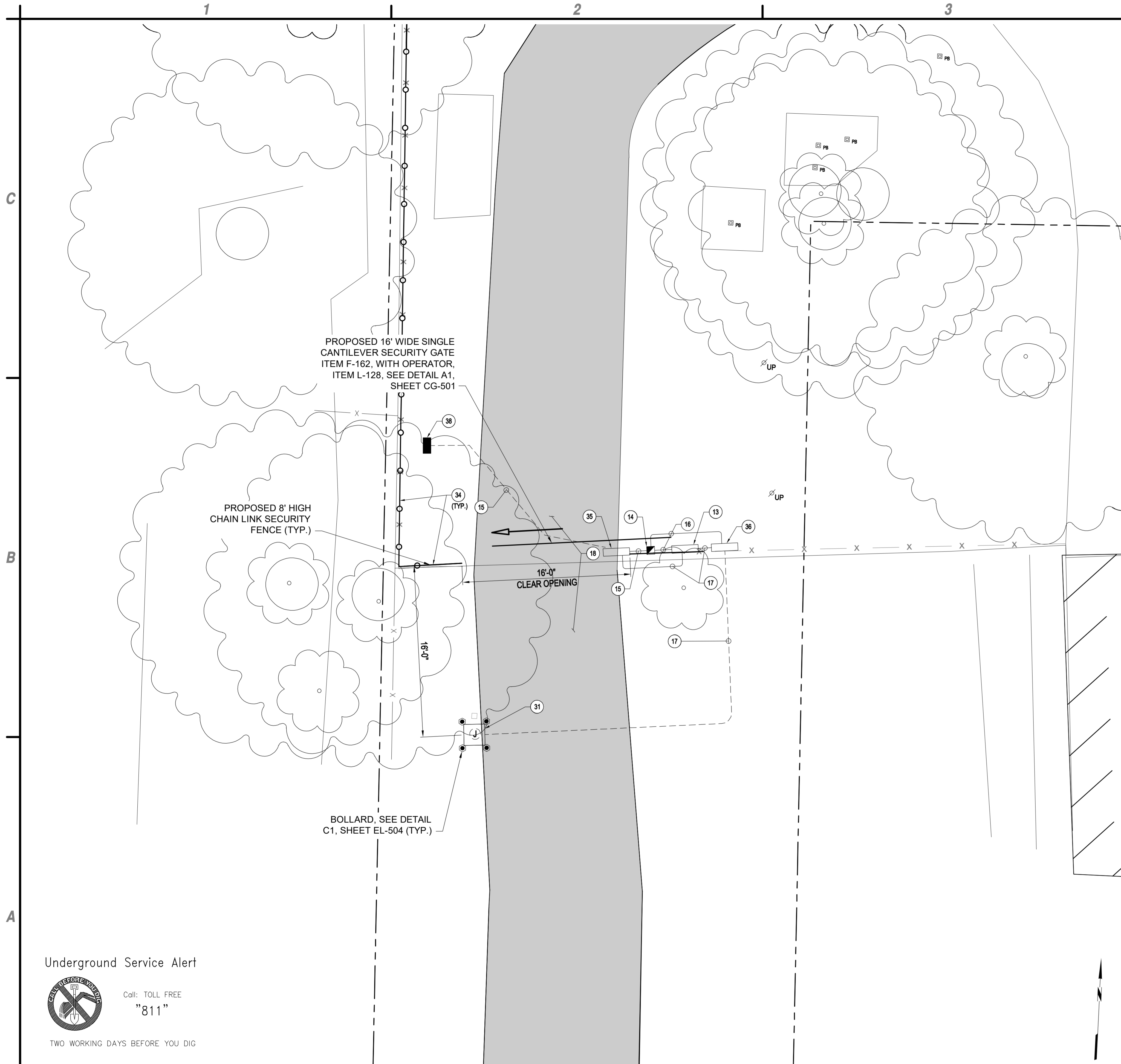
**PERIMETER FENCE & GATE SYSTEM  
UPGRADES PHASE II**  
**NEVADA COUNTY AIRPORT**  
**NEVADA COUNTY**

May 02, 2017 - 1:34pm F:\Projects\095 - Nevada County - CA\095.001.001 - Perimeter Fence - Project\Design - Plt - \CADD\Sheet Files\095.005.001\_11-EL-501-506\_DETAILS.dwg

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

**CANTILEVER GATE  
PLAN - GATE NO. 1**

**EL-501**



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

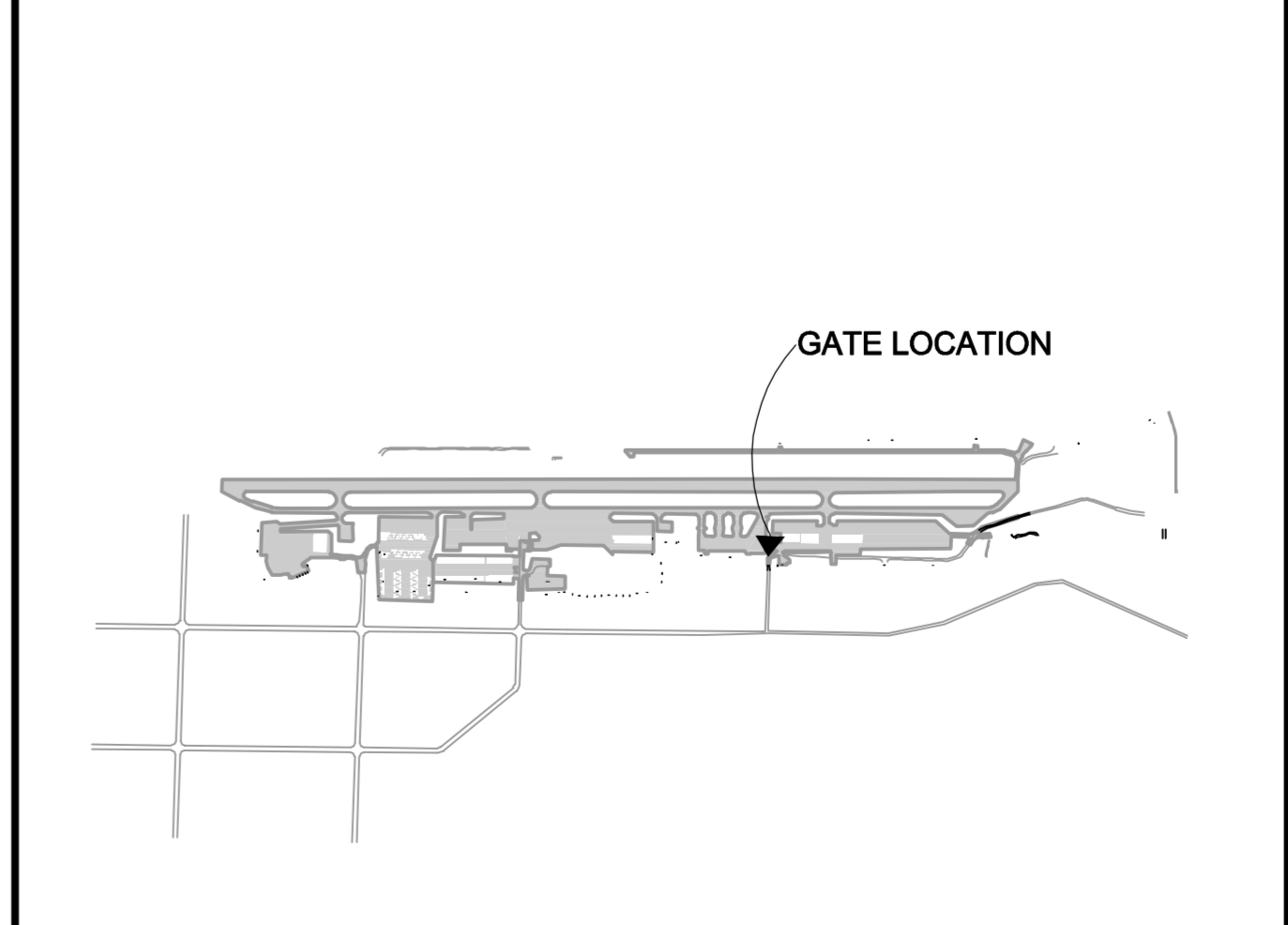
PROPOSED 8' HIGH CHAIN LINK SECURITY FENCE (TYP.)

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

16'-0" CLEAR OPENING

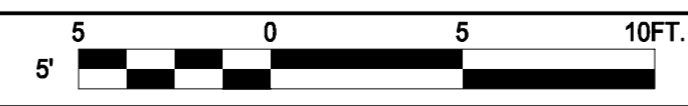
- 13 PROVIDE NEW GATE OPERATOR. PROVIDE ELECTRICAL CONNECTION TO EQUIPMENT LEADS, TERMINAL STRIPS OR CONTROL PANEL INCLUDING ALL CONDUCTORS, CONDUIT, JUNCTION BOXES, CONNECTORS, FITTINGS, ETC. REQUIRED FOR PROPER CONNECTION AND OPERATION. COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT MANUFACTURER. FIELD VERIFY EXACT LOCATION WITH ENGINEER. REFER TO SHEETS EL-504 THROUGH EL-506 FOR DETAILS.
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- 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.
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- 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.
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- 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



Underground Service Alert  
Call: TOLL FREE "811"  
TWO WORKING DAYS BEFORE YOU DIG

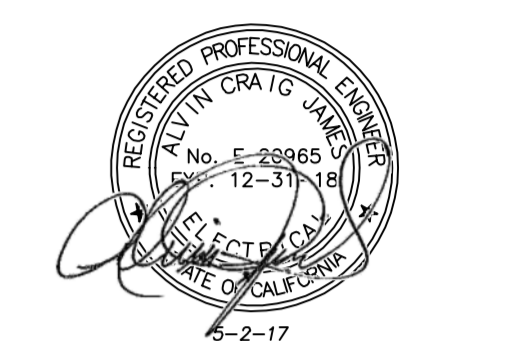
**A1 CANTILEVER GATE PLAN**  
SCALE: 1" = 5'



**A4 KEY MAP**  
SCALE: NOT TO SCALE



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

May 02, 2017 - 1:34pm F:\Projects\095 - Nevada County - CA\095.001.001 - Perimeter Fence - Project\Design - Plt - \CADD\Sheet Files\095.006.001\_11-EL-501-506\_DETAILS.dwg

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

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

**EL-502**

Underground Service Alert



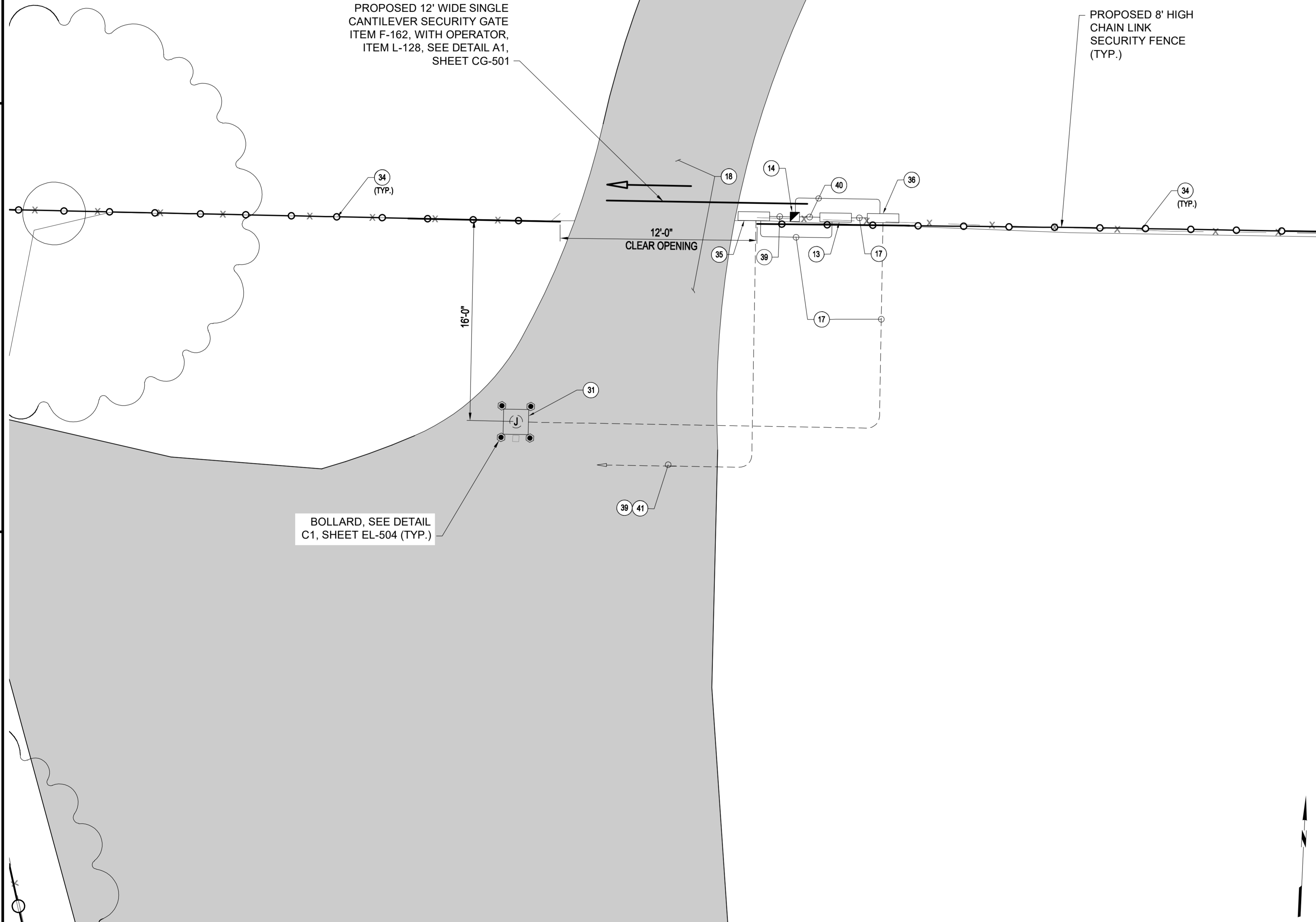
Call: TOLL FREE  
"811"

TWO WORKING DAYS BEFORE YOU DIG

C

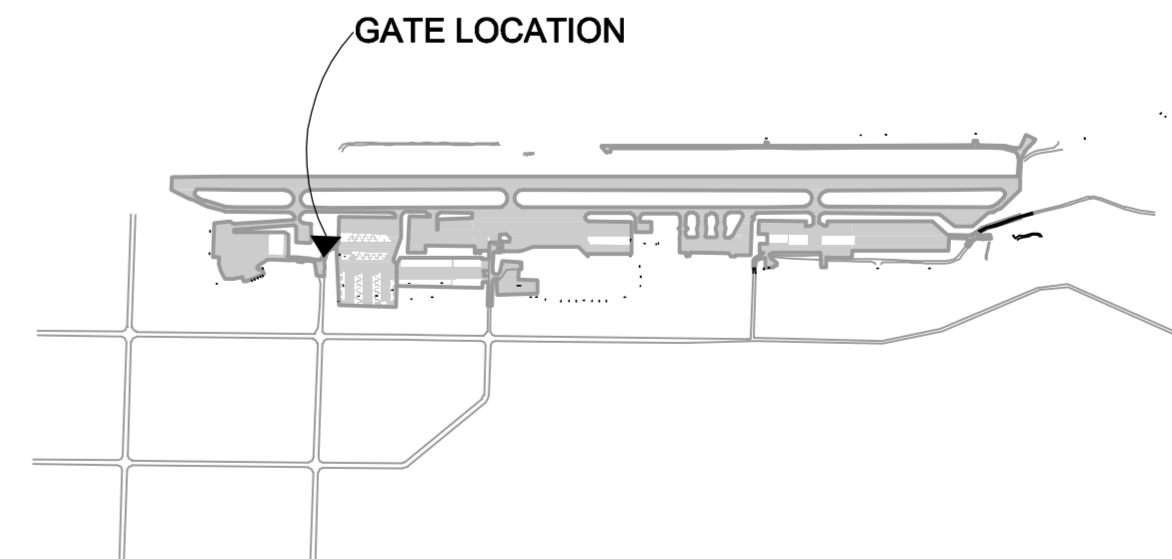
B

A



- 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.
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- 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**

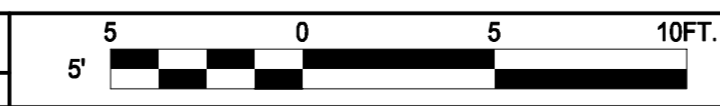
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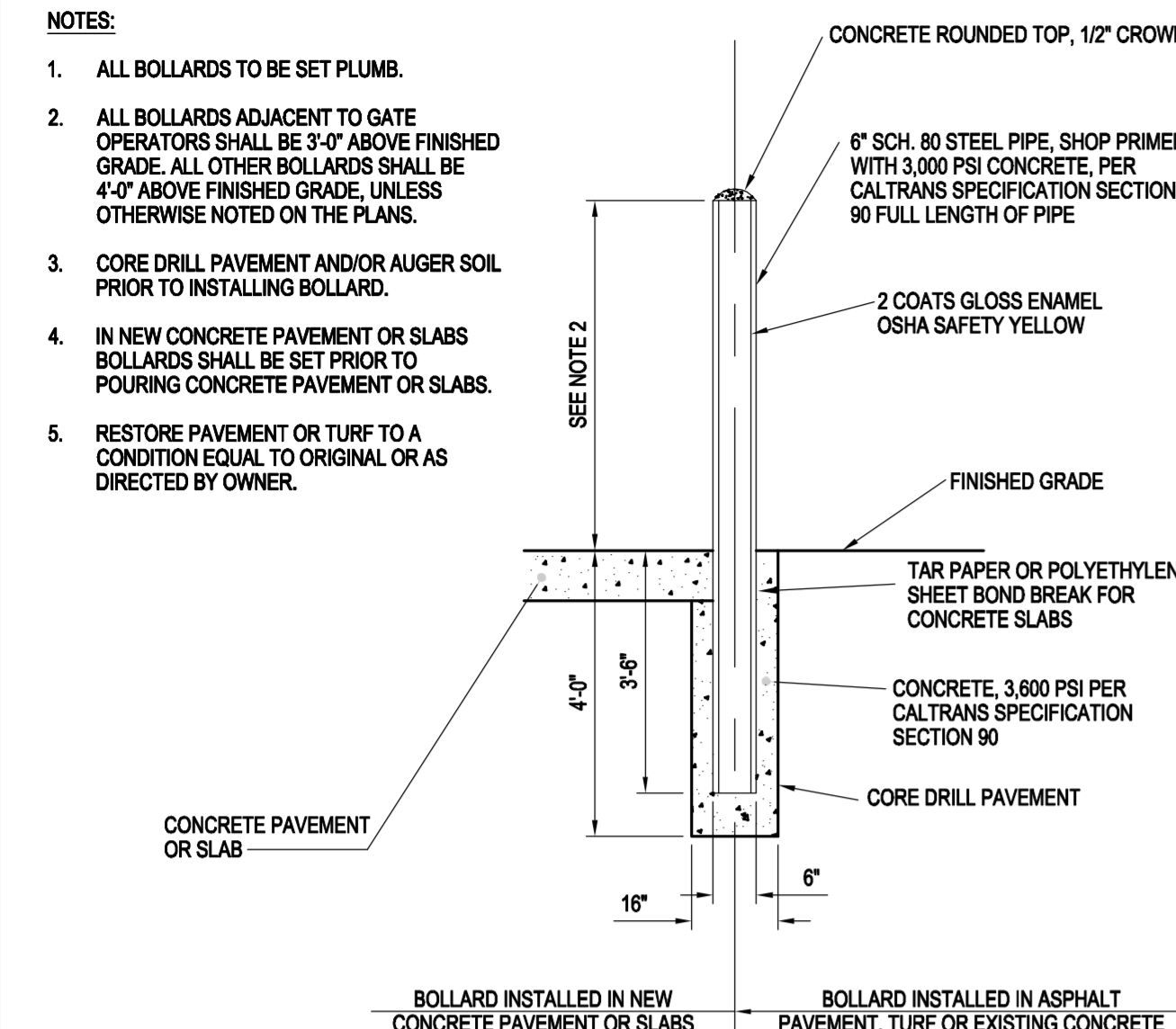
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:		095.001.001
DATE:		MARCH 2017
DRAWN BY:		GT
DESIGNED BY:		ACJ
CHECKED BY:		JLB

**CANTILEVER GATE  
PLAN - GATE NO. 7**

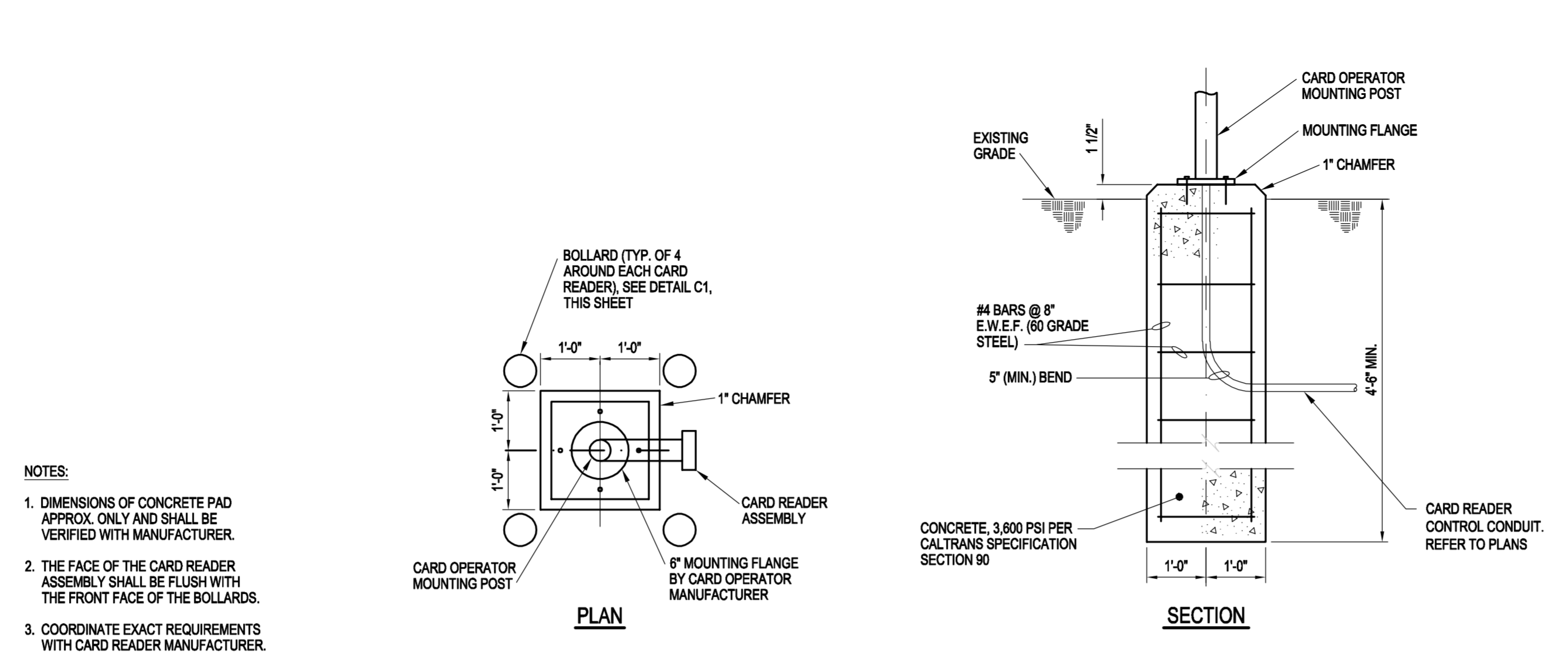
**EL-503**

**A1 CANTILEVER GATE PLAN**  
SCALE: 1" = 5'

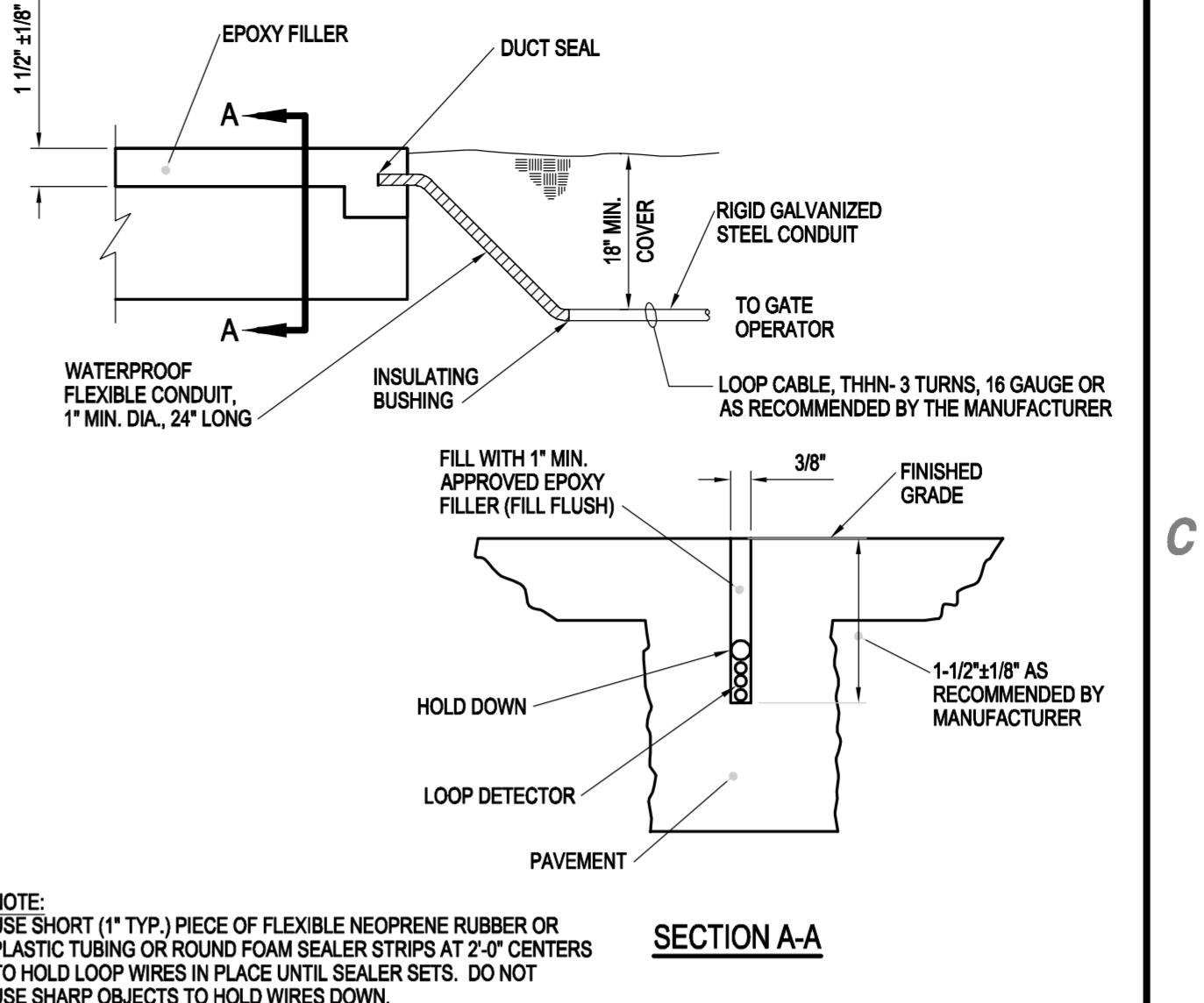




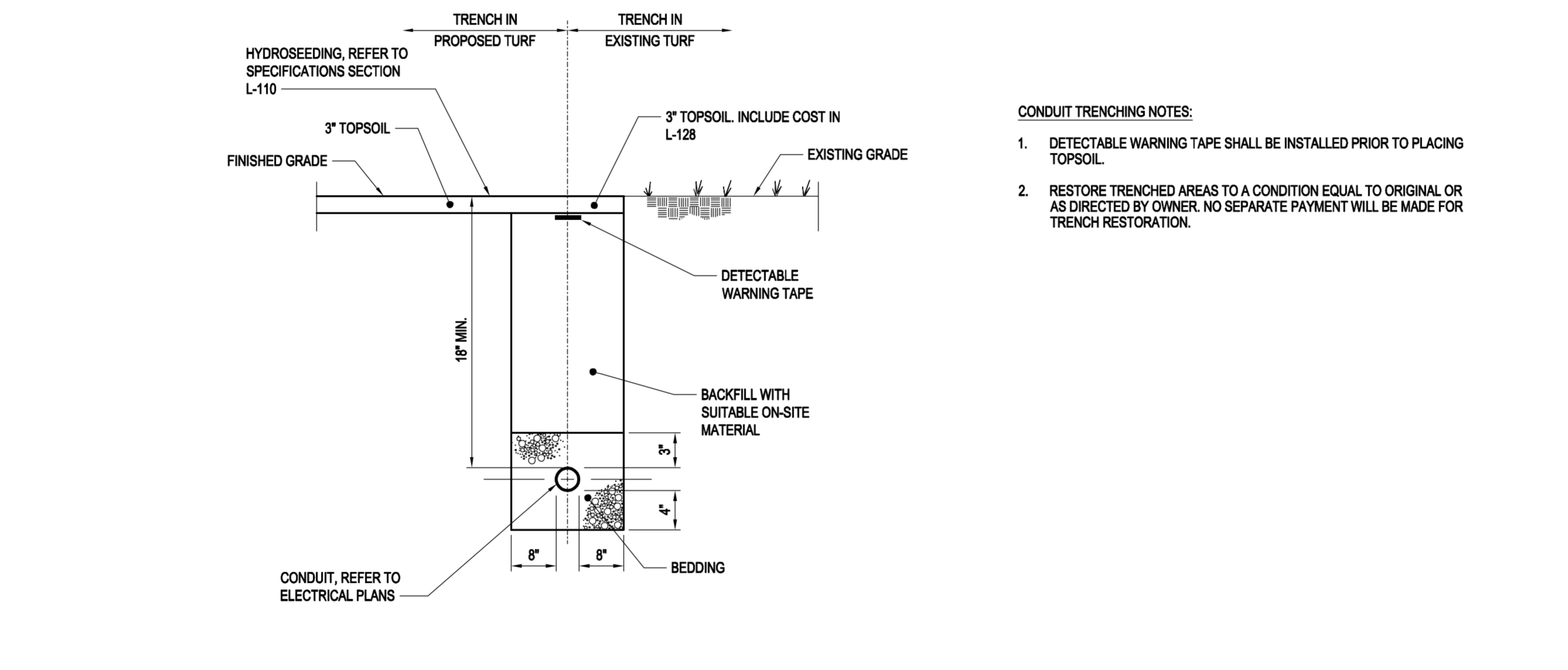
**C1 TYPICAL BOLLARD DETAIL**  
SCALE: NOT TO SCALE



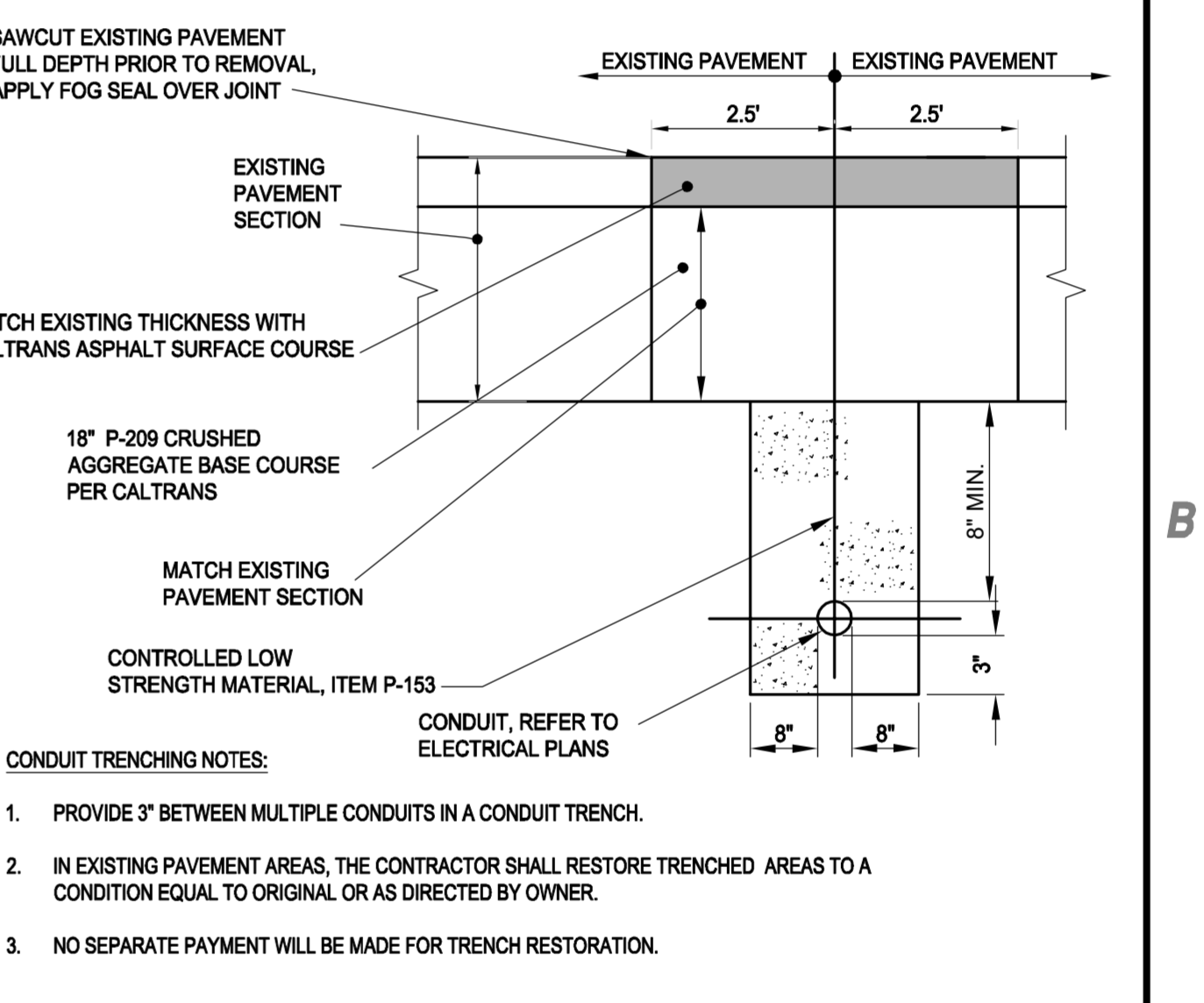
**C2 CARD READER DETAIL**  
SCALE: NOT TO SCALE



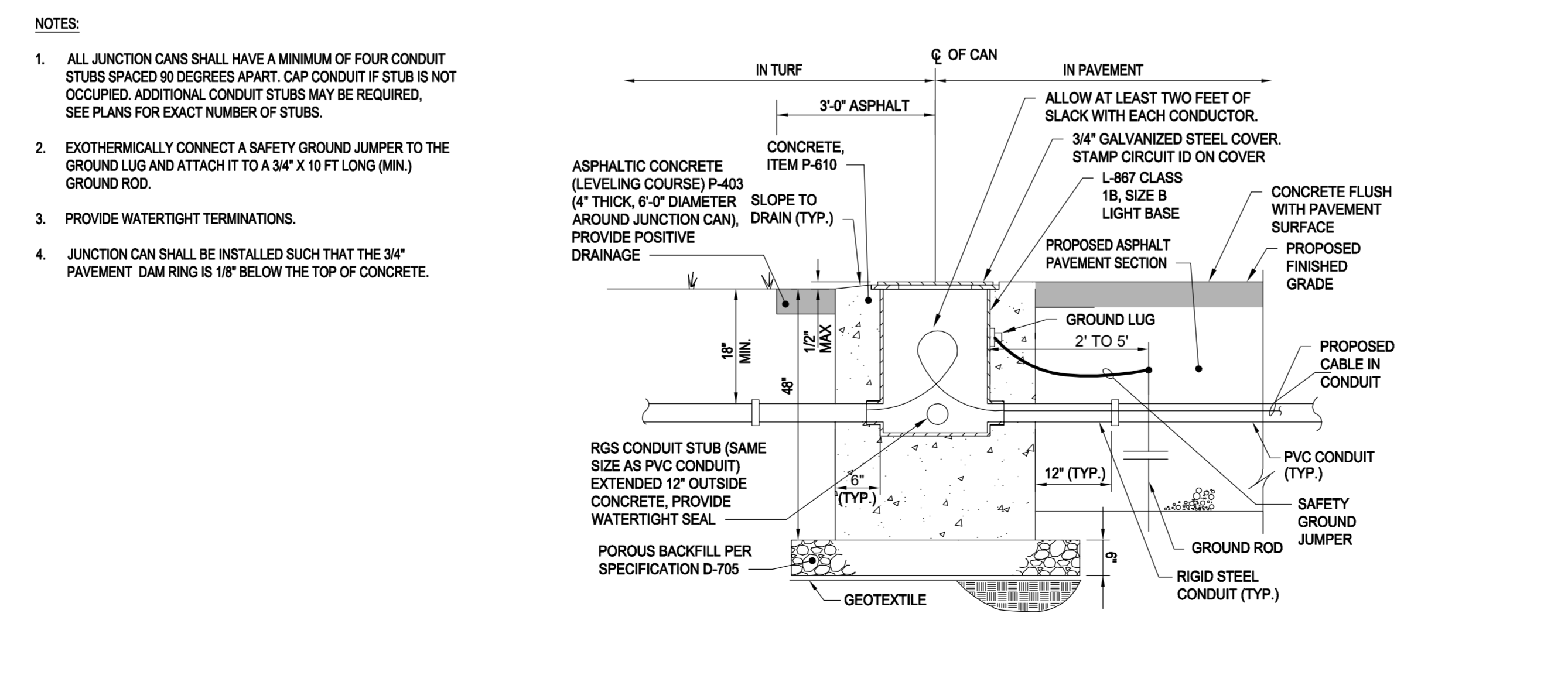
**C4 LOOP DETECTOR DETAIL**  
SCALE: NOT TO SCALE



**B2 CONDUIT TRENCHING DETAIL IN TURF**  
SCALE: NOT TO SCALE

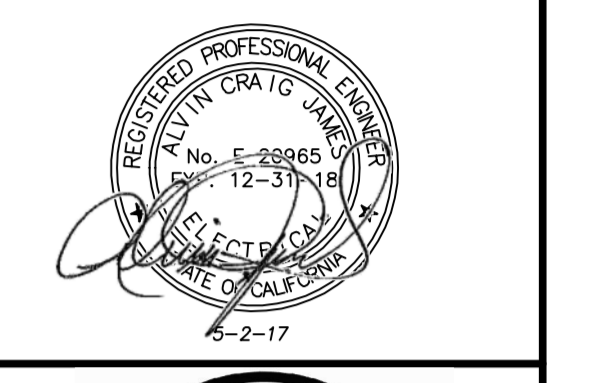


**B4 CONDUIT TRENCHING DETAIL IN ASPHALT PAVEMENT**  
SCALE: NOT TO SCALE



**A2 JUNCTION CAN DETAIL**  
SCALE: NOT TO SCALE

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



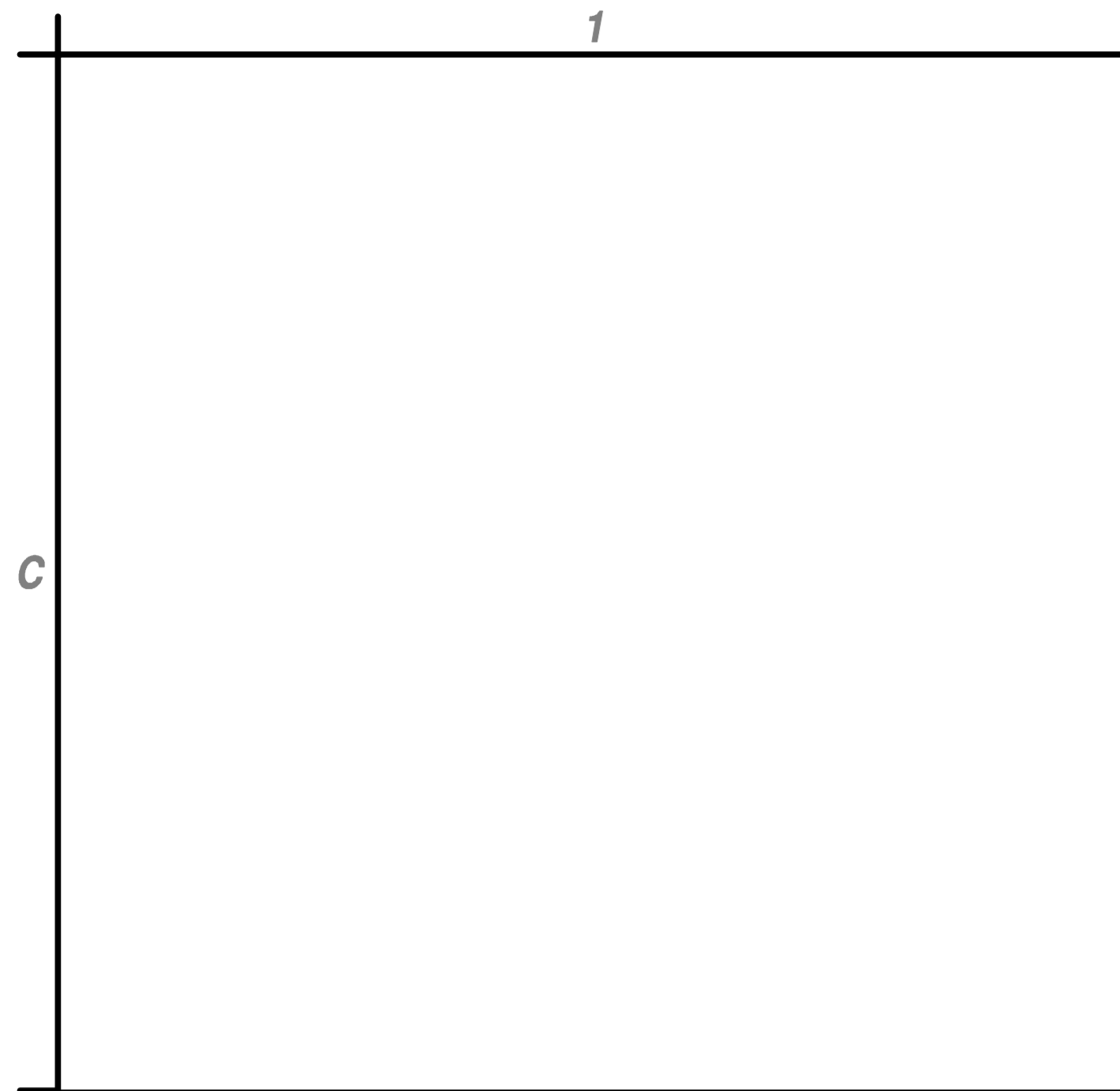
**PERIMETER FENCE & GATE SYSTEM  
UPGRADES PHASE II  
NEVADA COUNTY AIRPORT  
NEVADA COUNTY**

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

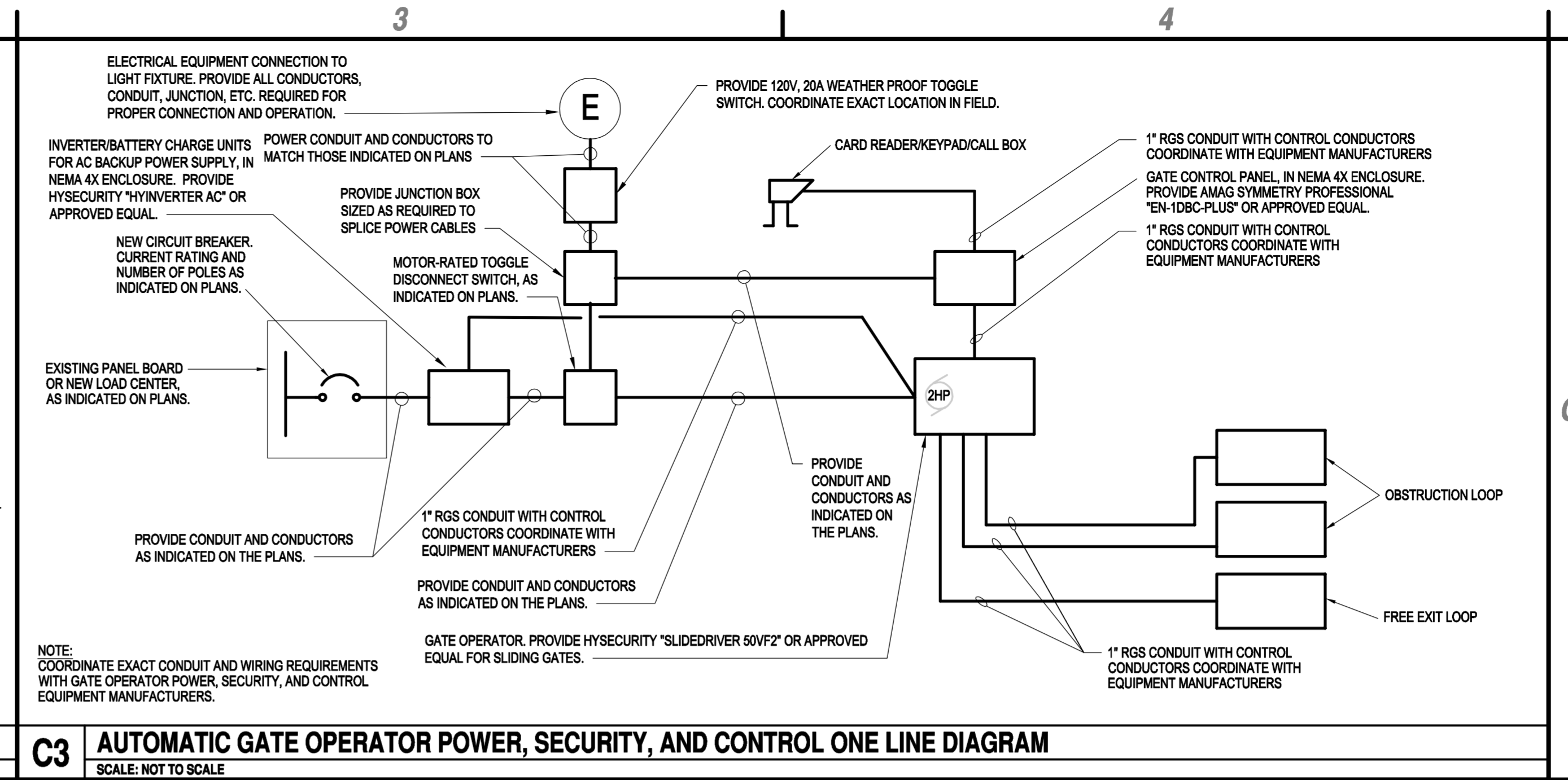
**ELECTRICAL  
DETAILS**

**EL-504**

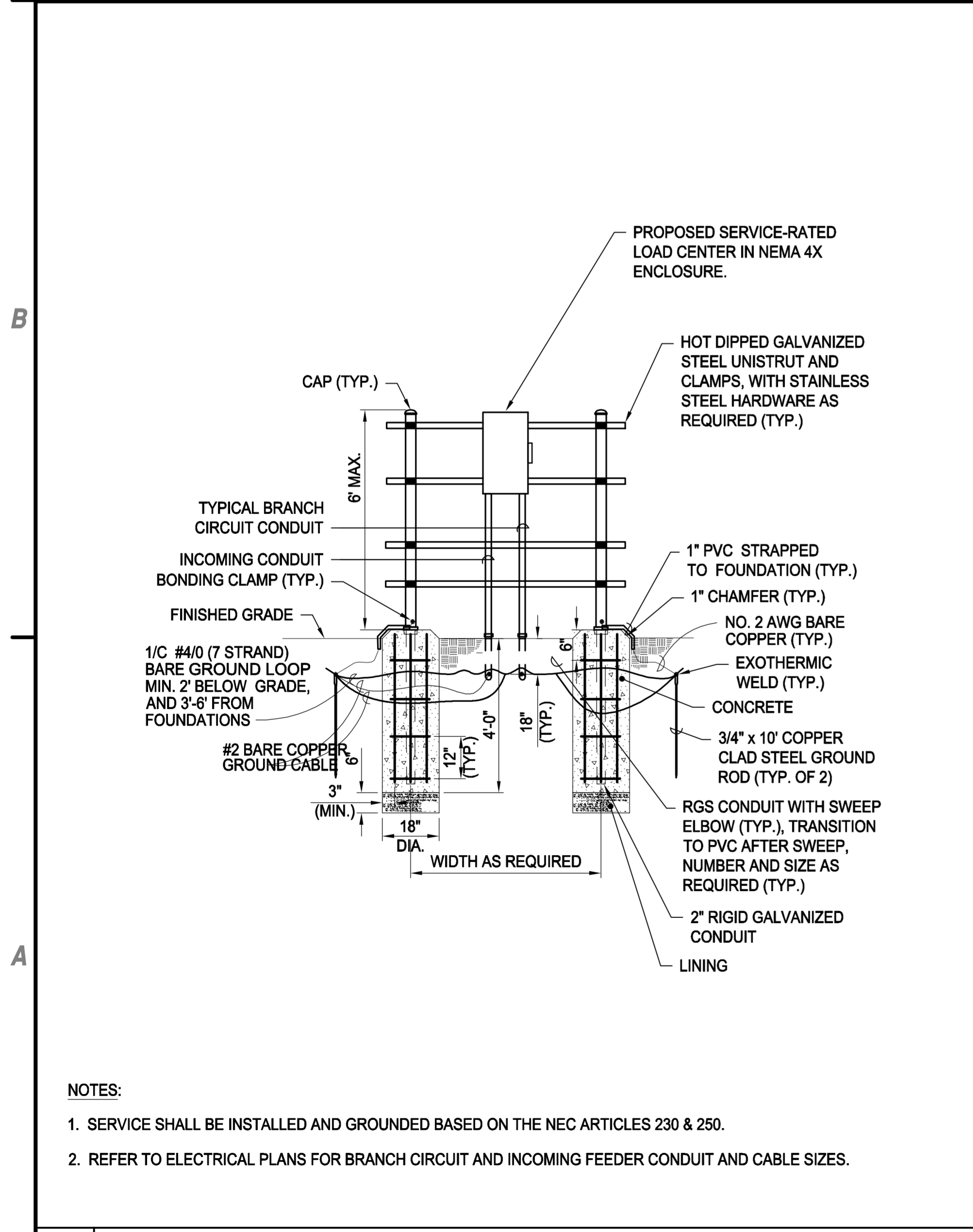
May 02, 2017 - 1:35pm - Nevada County - CA\O95.001.001 - Perimeter Fence - Project\Design - File\CA\O95.001.001\_11\_EI-504-506\_DETAILS.dwg



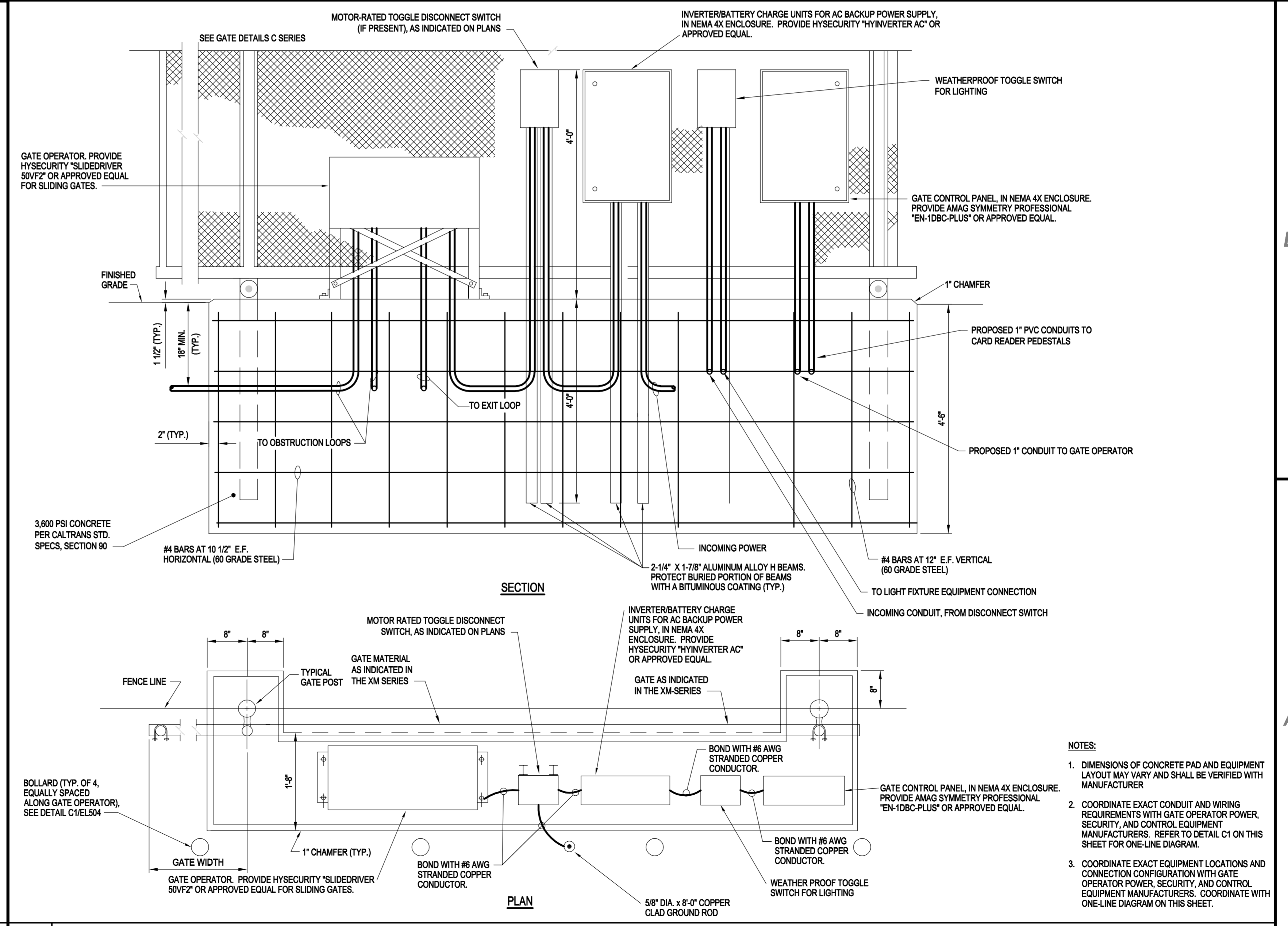
**C2 AUTOMATIC GATE OPERATOR PLAN**  
SCALE: NOT TO SCALE



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



**A1 LOAD CENTER MOUNTING DETAIL**  
SCALE: NOT TO SCALE



**A2 MECHANICAL GATE OPERATOR DETAIL**  
SCALE: NOT TO SCALE

**C&S COMPANIES**  
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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: O95.001.001		
DATE: MARCH 2017		
DRAWN BY: GT		
DESIGNED BY: ACJ		
CHECKED BY: JLB		

**ELECTRICAL DETAILS**

**EL-505**

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.

1

2

3

4

C

B

A

C

B

A



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



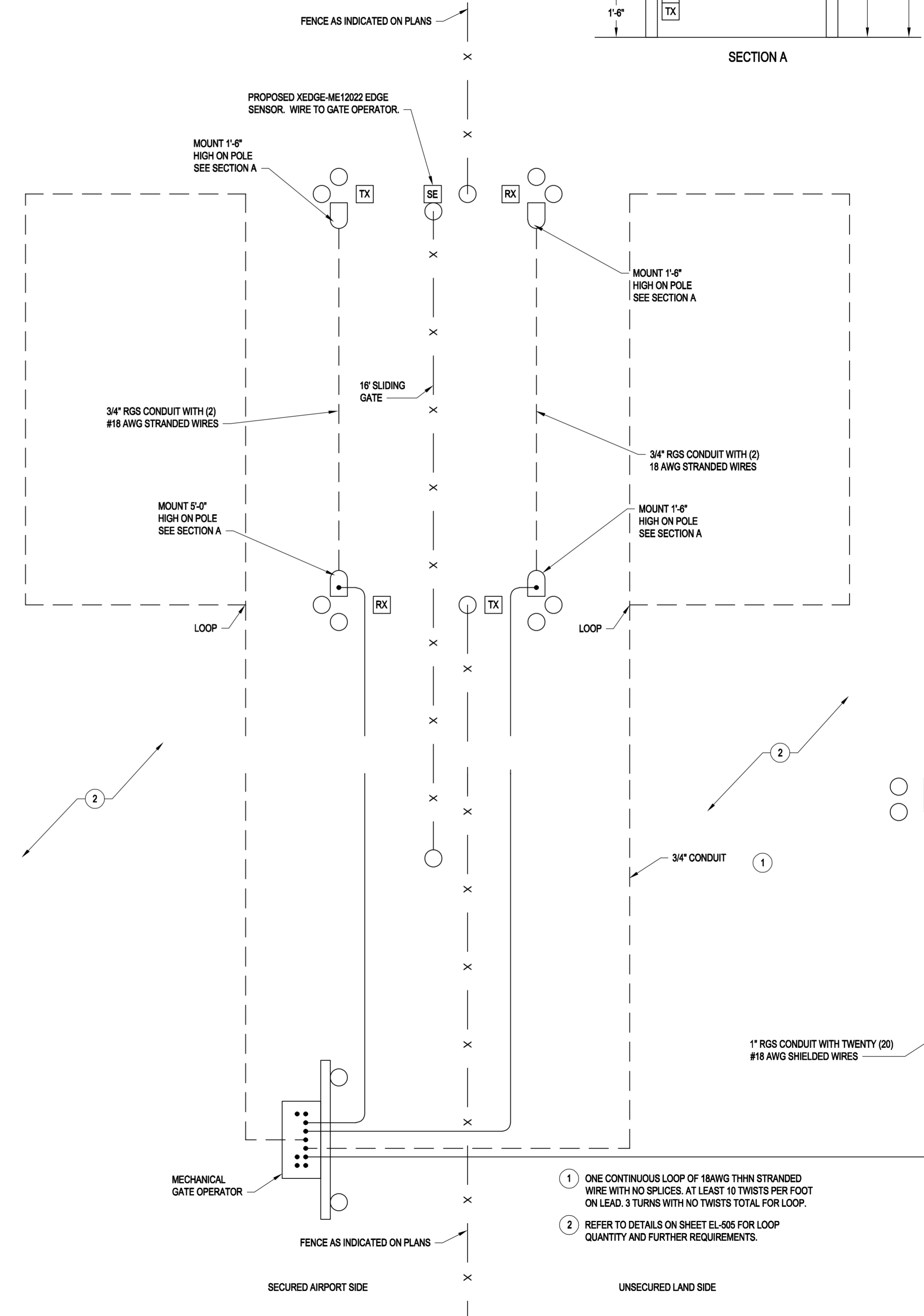
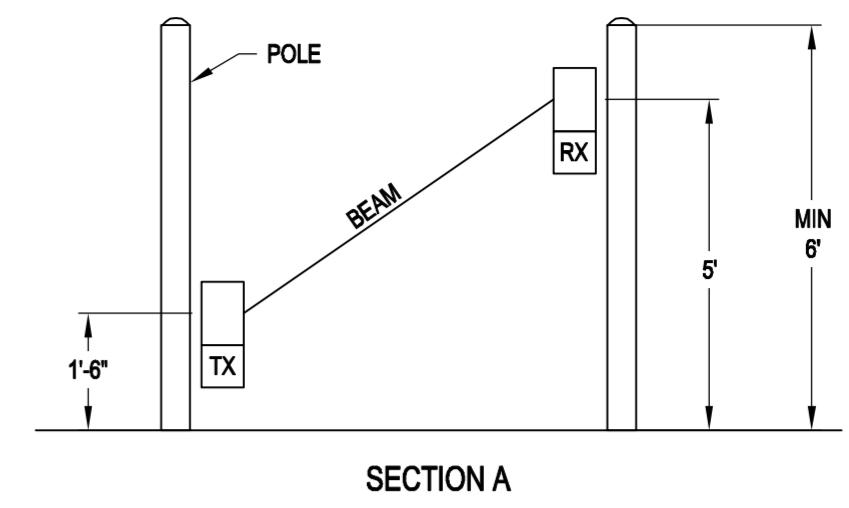
**PERIMETER FENCE & GATE SYSTEM  
 UPGRADES PHASE II**  
**NEVADA COUNTY AIRPORT  
 NEVADA COUNTY**

May 02, 2017 - 1:35pm Nevada County, CA\095.001.001 - Perimeter Fence Project\Design - Plt -\CAD\Sheet Files\095.005.001-11-EL-501-506-DETAILS.dwg

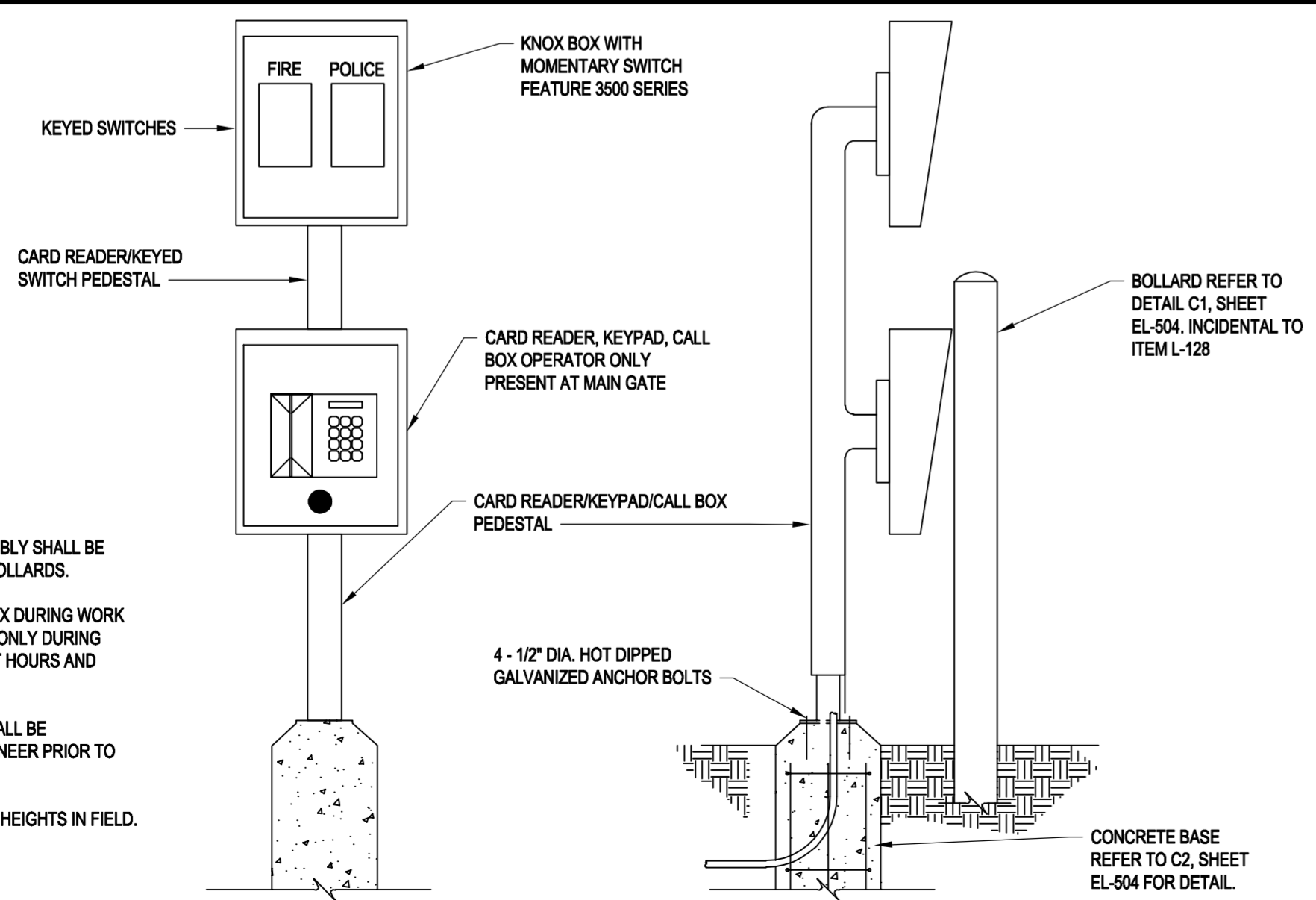
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:		095.001.001
DATE:		MARCH 2017
DRAWN BY:		GT
DESIGNED BY:		ACJ
CHECKED BY:		JLB

**ELECTRICAL  
 DETAILS**

**EL-506**



- ① ONE CONTINUOUS LOOP OF 18AWG THHN STRANDED WIRE WITH NO SPLICES. AT LEAST 10 TWISTS PER FOOT ON LEAD. 3 TURNS WITH NO TWISTS TOTAL FOR LOOP.
- ② REFER TO DETAILS ON SHEET EL-505 FOR LOOP QUANTITY AND FURTHER REQUIREMENTS.



- NOTES:**
- THE FACE OF THE CARD READER ASSEMBLY SHALL BE FLUSH WITH THE FRONT FACE OF THE BOLLARDS.
  - GATES SHALL BE OPERABLE BY CALL BOX DURING WORK HOURS, AND BY CARD READER/KEYPAD ONLY DURING NON-WORK HOURS. COORDINATE EXACT HOURS AND GATE OPERATIONS WITH OWNER.
  - CARD READER/KNOX BOX PEDESTAL SHALL BE HEAVY-DUTY STEEL APPROVED BY ENGINEER PRIOR TO INSTALLATION.
  - COORDINATE EXACT DEVICE MOUNTING HEIGHTS IN FIELD.

**A1 CARD READER WITH CALL BOX DETAIL**  
 SCALE: NOT TO SCALE

**A3 GATE OPERATOR LAYOUT DETAIL**  
 SCALE: NOT TO SCALE

1

2

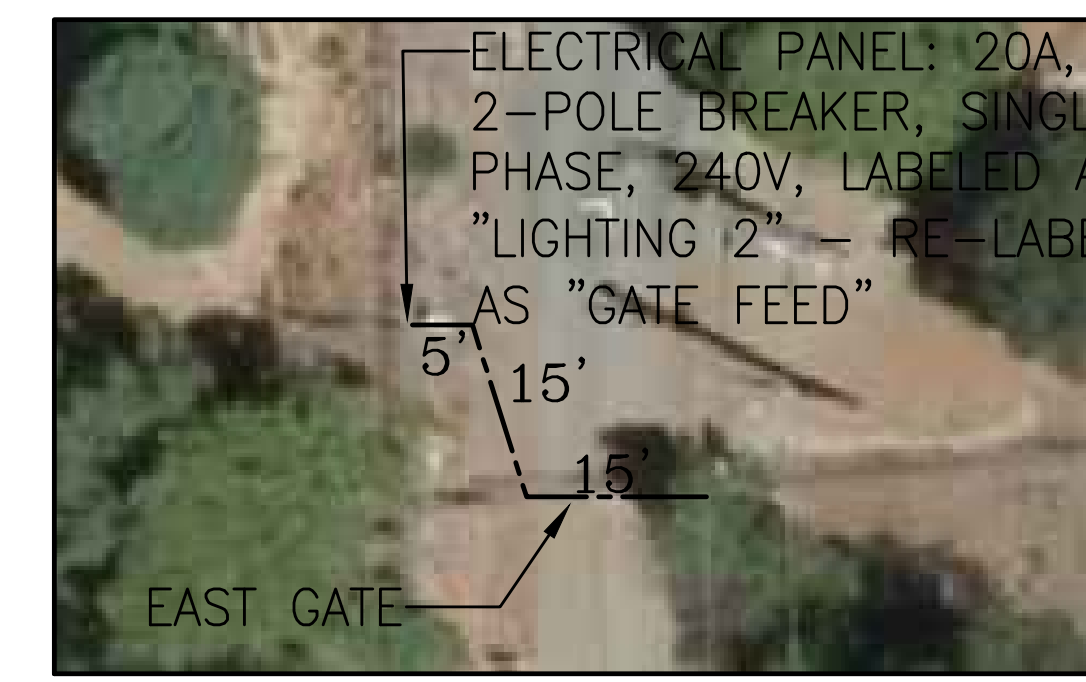
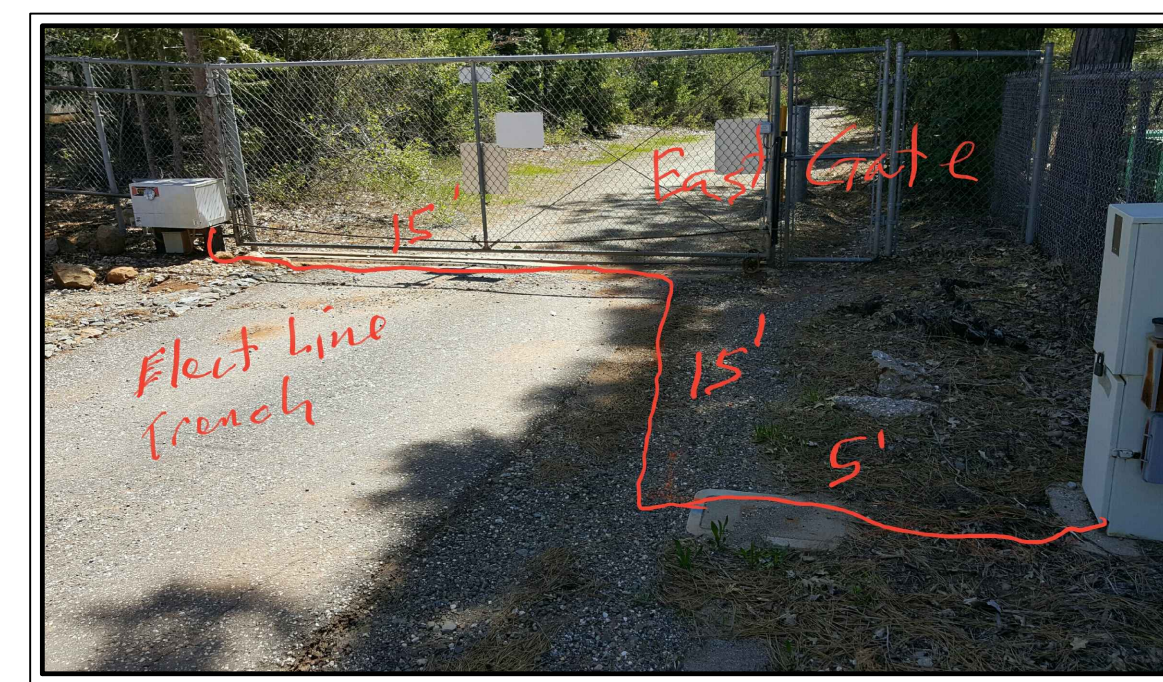
3

4

**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.**



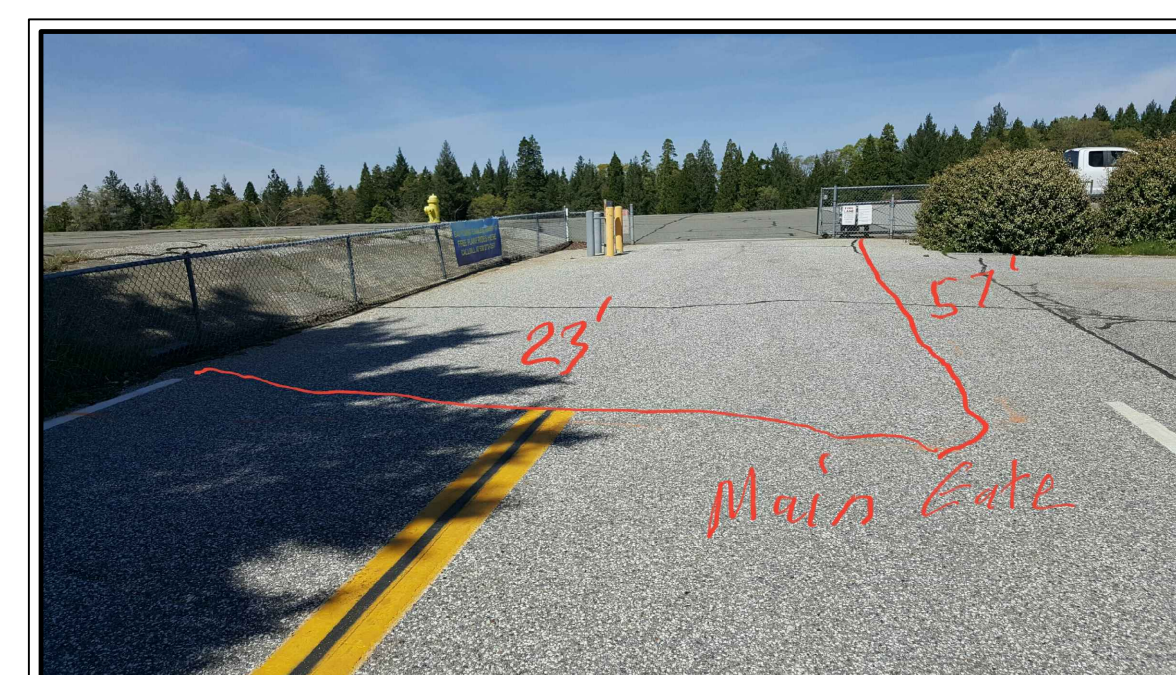
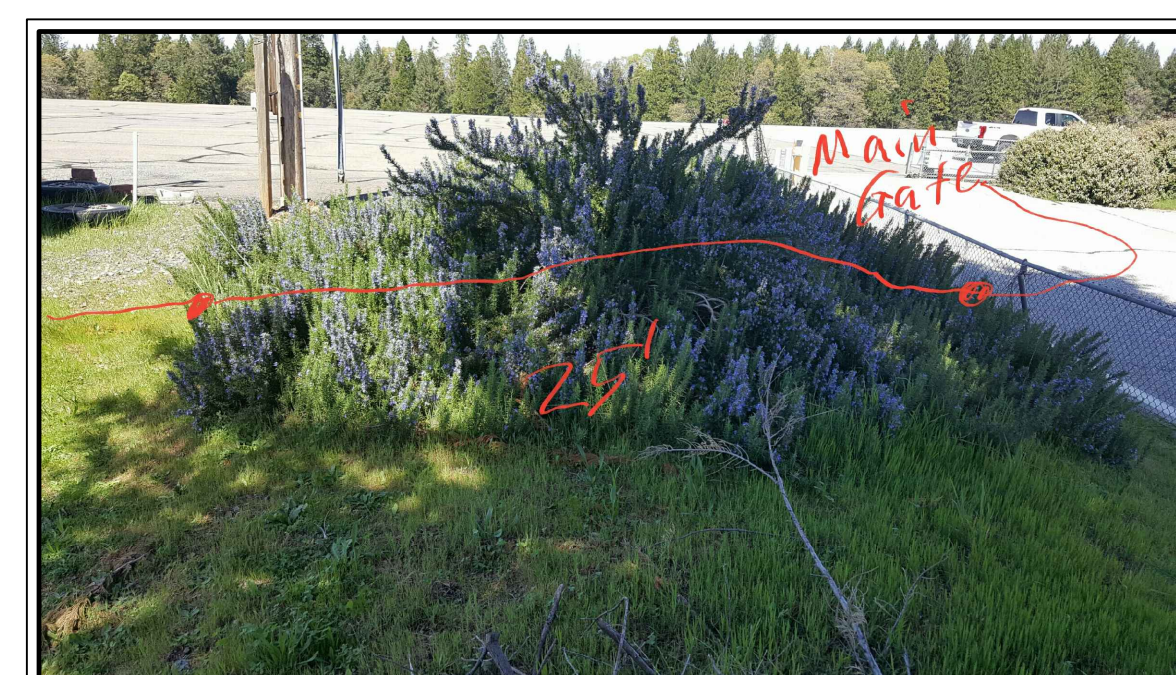
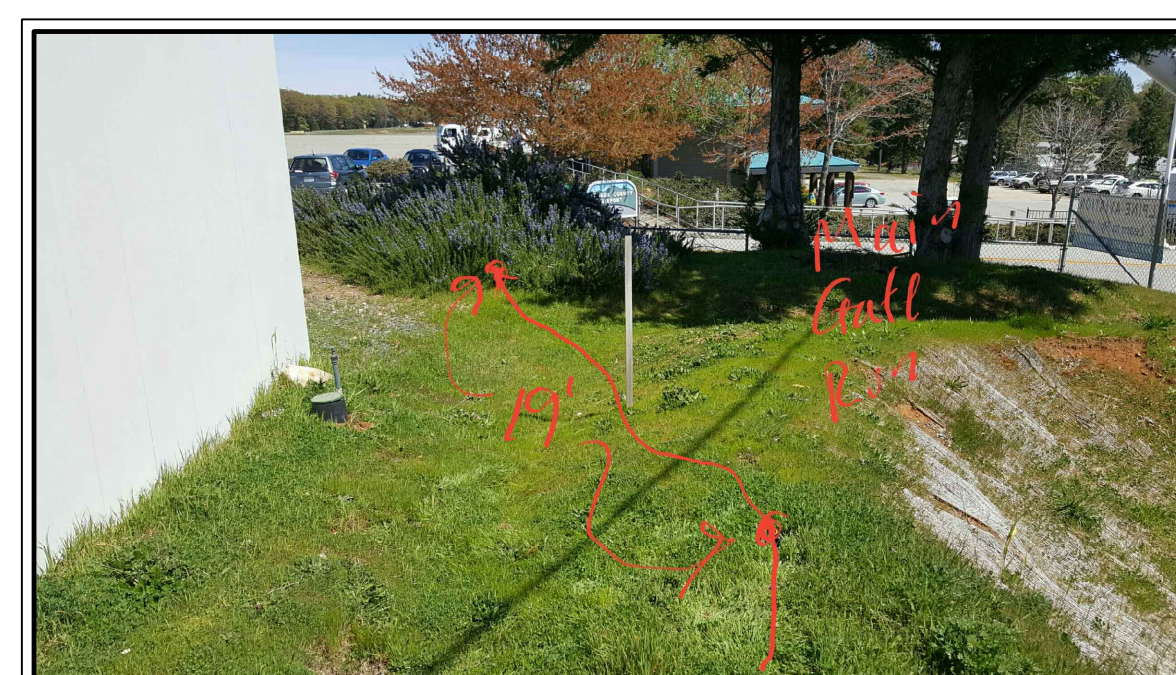
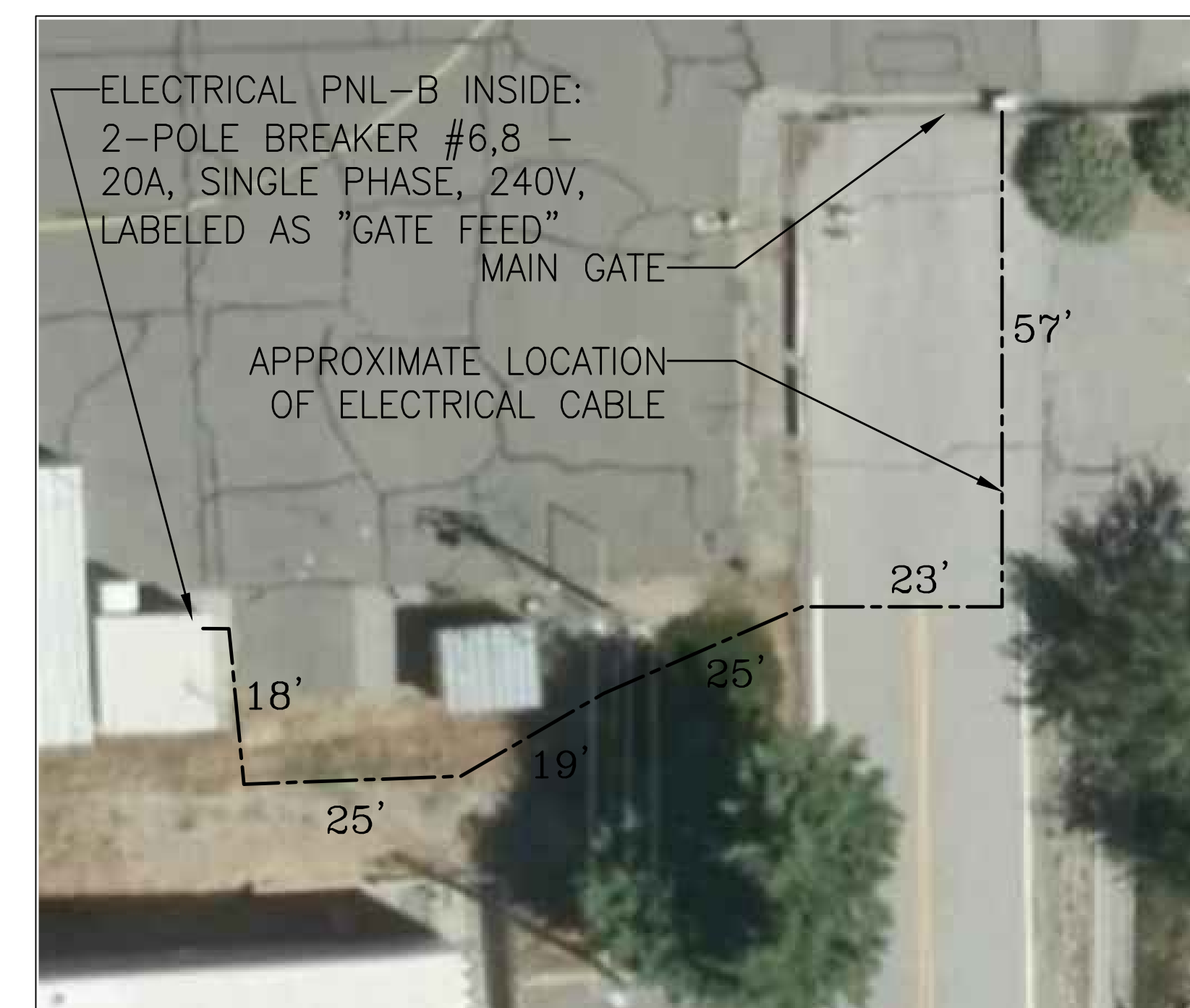
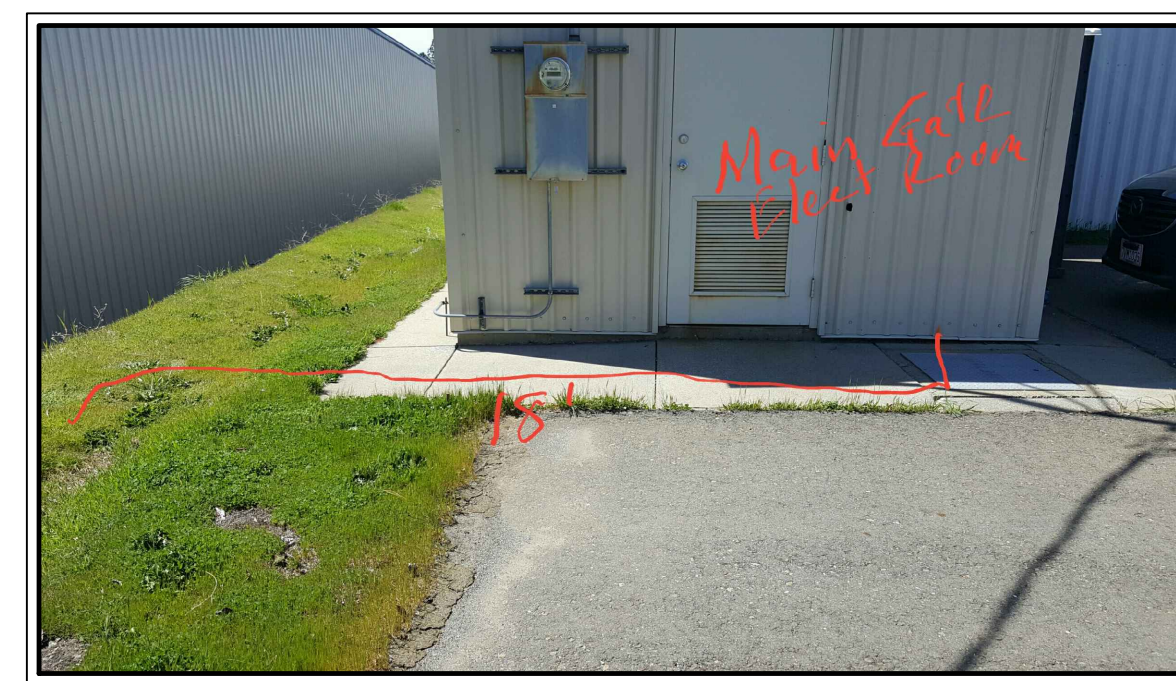
PANEL



**EAST GATE – ELECTRICAL CABLE LAYOUT TO PANEL**



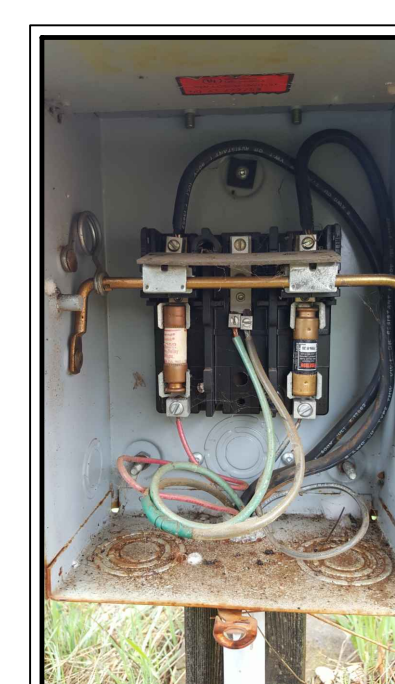
PNL-B



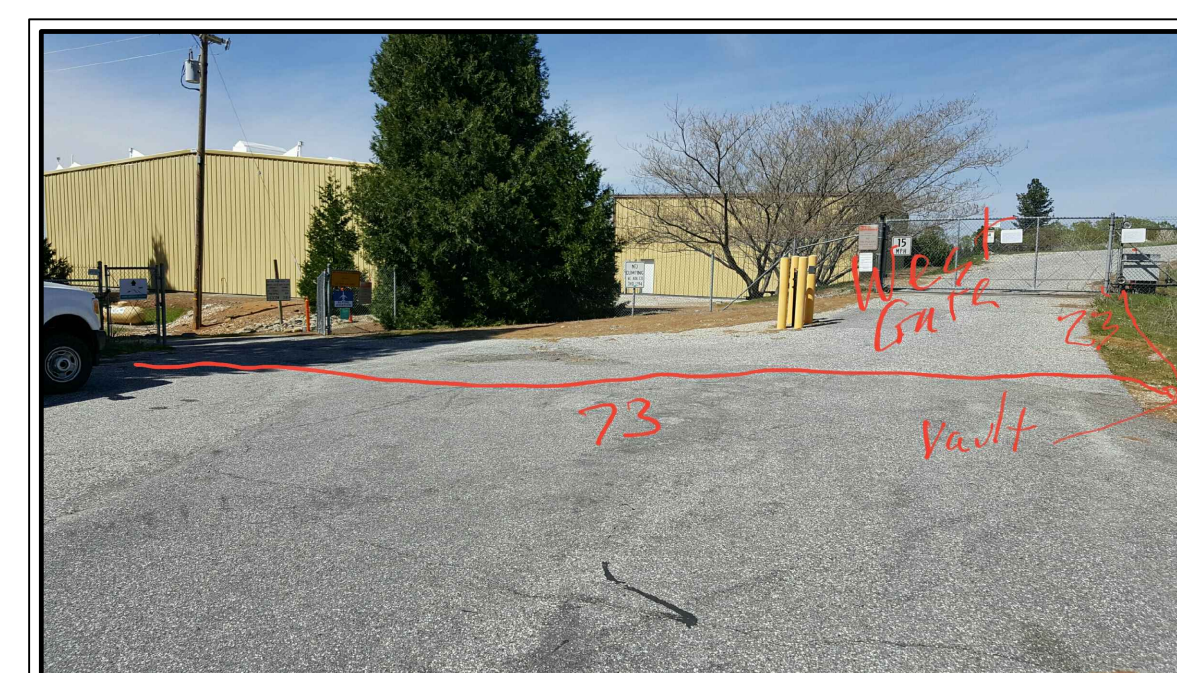
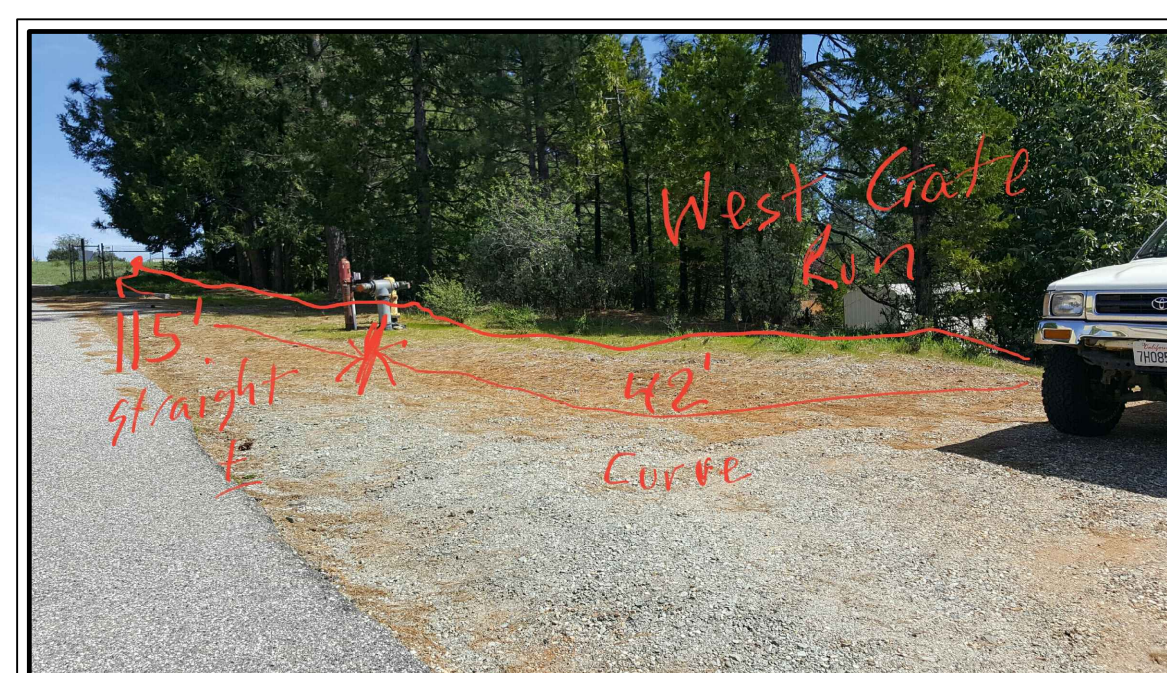
**MAIN GATE – ELECTRICAL CABLE LAYOUT TO PANEL**



PANEL IN NC CORP YARD



FUSED DISCONNECT



**WEST GATE – ELECTRICAL CABLE LAYOUT TO PANEL**

REVISIONS	
NO.	DESCRIPTION

**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