

JACKSON MUNICIPAL AIRPORT AUTHORITY

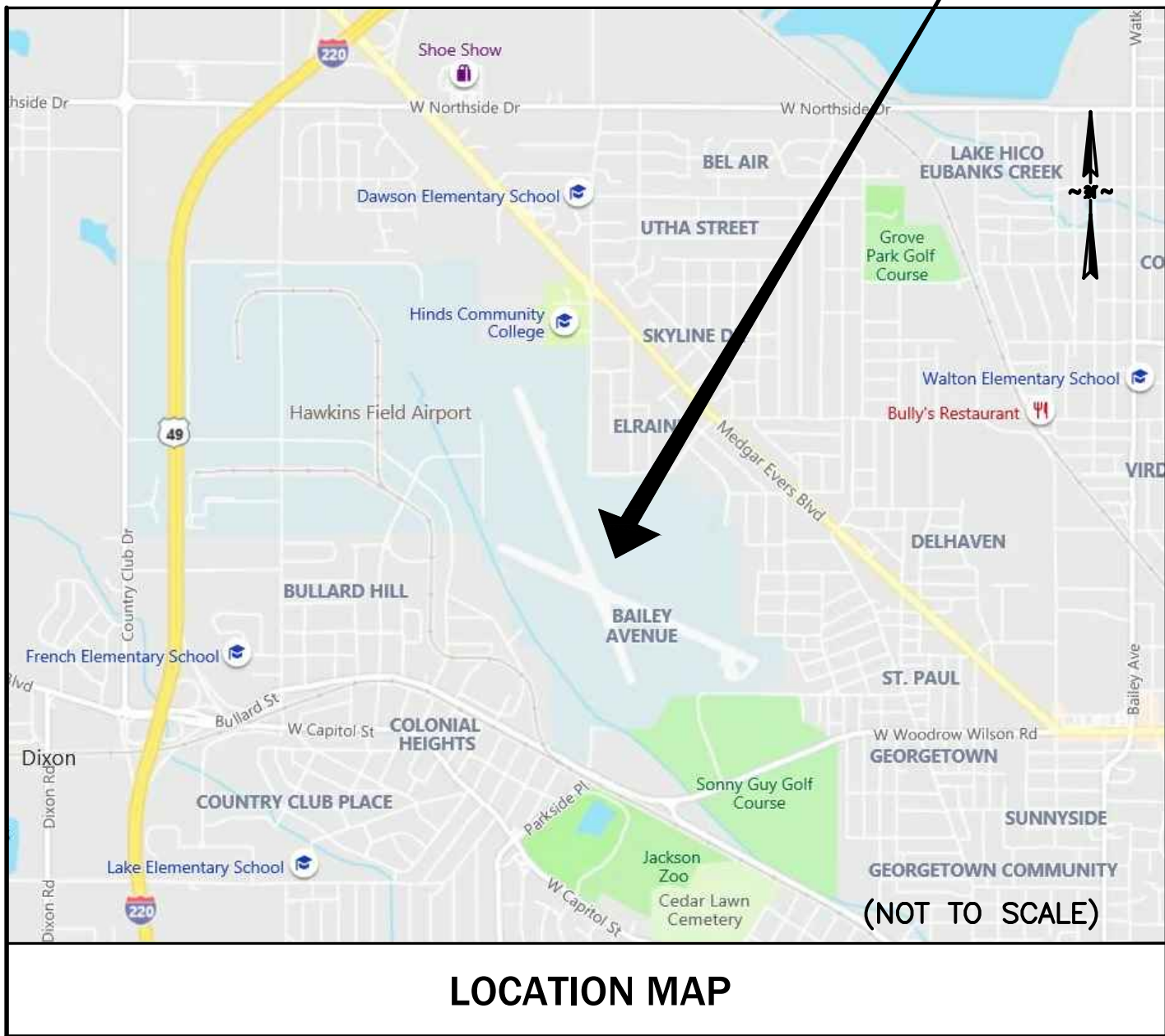
CONSTRUCTION PLANS
FOR

HAWKINS FIELD AIRPORT

JACKSON, MISSISSIPPI

FENCING AND GATE REPAIRS

PROJECT SITE:
HAWKINS FIELD AIRPORT



LOCATION MAP

DRAWING NO.	SHEET NO.	DRAWING DESCRIPTION
—	1	COVER SHEET
PLP-1	2	PROJECT LAYOUT PLAN
GP-1-GP-2	3-4	EXISTING GATE PHOTOS
GD-1-GD-3	5-7	GATE DETAILS
FD-1	8	FENCING DETAILS

BOARD OF COMMISIONERS

LaWanda D. Harris
(Chair)

Robert E. Martin
(Vice-Chair)

Rev. James L. Henley, Jr.
(Commissioner)

LTC(R) Lucius Wright
(Commissioner)

Patrick Minor
(Director of Hawkins Field Airport)

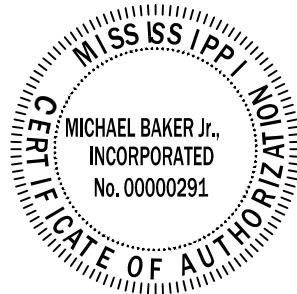
PREPARED BY:

MICHAEL BAKER INTERNATIONAL

2113 GOVERNMENT STREET, SUITE D-3
OCEAN SPRINGS, MISSISSIPPI 39564



JEFFREY D. MAY, P.E., P.M.P.
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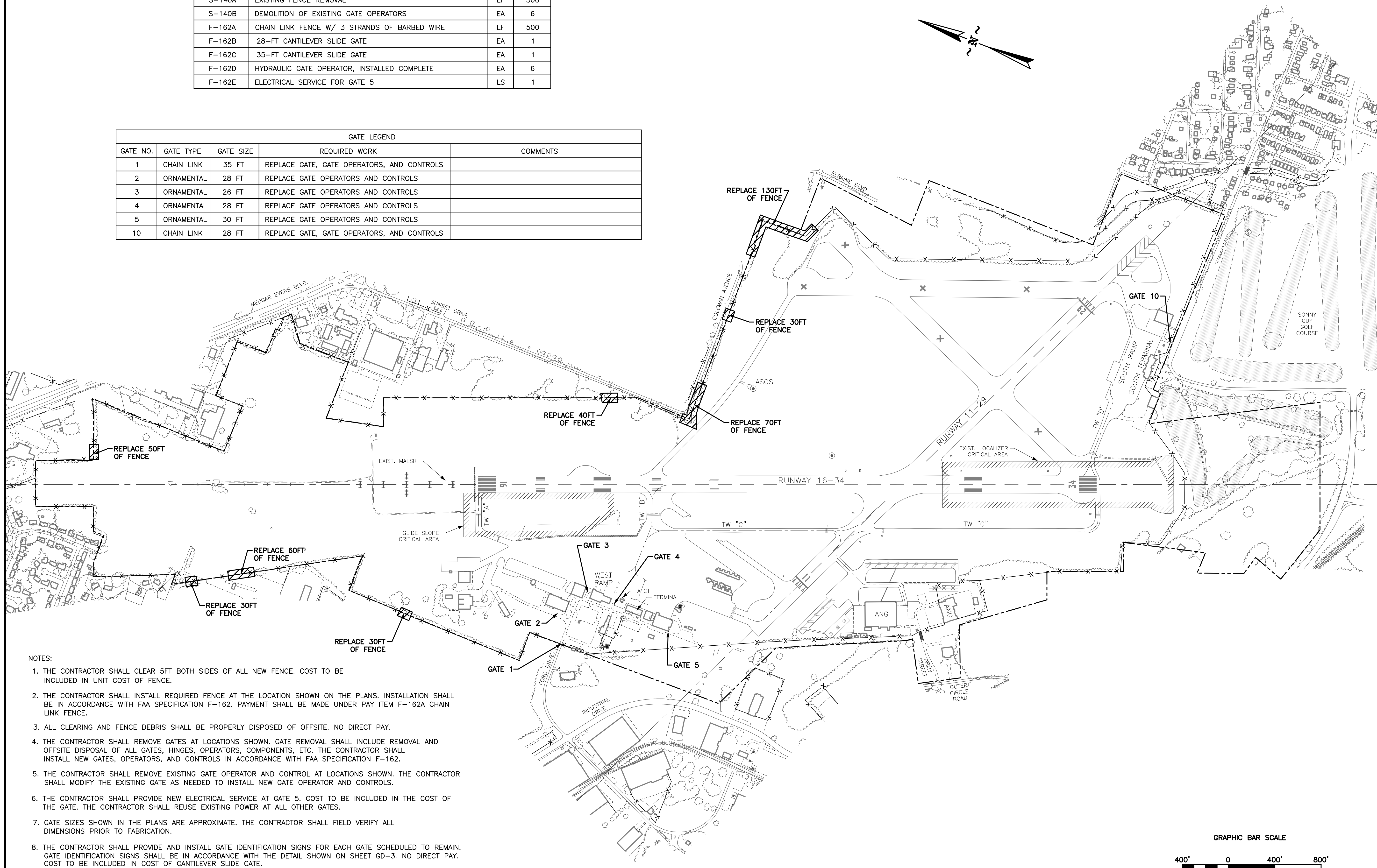
Michael Baker
INTERNATIONAL

DATE: MAY, 2020

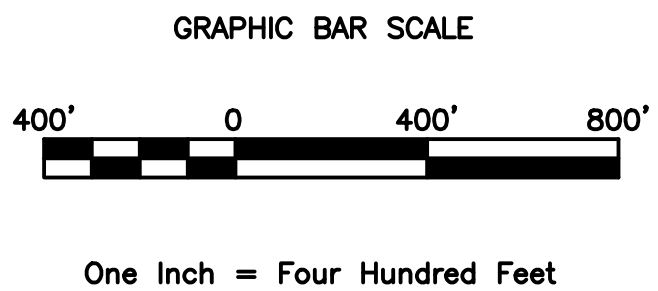
SET NO. _____

SUMMARY OF QUANTITIES			
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY
01000	MOBILIZATION	LS	1
S-140A	EXISTING FENCE REMOVAL	LF	500
S-140B	DEMOLITION OF EXISTING GATE OPERATORS	EA	6
F-162A	CHAIN LINK FENCE W/ 3 STRANDS OF BARBED WIRE	LF	500
F-162B	28-FT CANTILEVER SLIDE GATE	EA	1
F-162C	35-FT CANTILEVER SLIDE GATE	EA	1
F-162D	HYDRAULIC GATE OPERATOR, INSTALLED COMPLETE	EA	6
F-162E	ELECTRICAL SERVICE FOR GATE 5	LS	1

GATE LEGEND				
GATE NO.	GATE TYPE	GATE SIZE	REQUIRED WORK	COMMENTS
1	CHAIN LINK	35 FT	REPLACE GATE, GATE OPERATORS, AND CONTROLS	
2	ORNAMENTAL	28 FT	REPLACE GATE OPERATORS AND CONTROLS	
3	ORNAMENTAL	26 FT	REPLACE GATE OPERATORS AND CONTROLS	
4	ORNAMENTAL	28 FT	REPLACE GATE OPERATORS AND CONTROLS	
5	ORNAMENTAL	30 FT	REPLACE GATE OPERATORS AND CONTROLS	
10	CHAIN LINK	28 FT	REPLACE GATE, GATE OPERATORS, AND CONTROLS	



- NOTES:
1. THE CONTRACTOR SHALL CLEAR 5FT BOTH SIDES OF ALL NEW FENCE. COST TO BE INCLUDED IN UNIT COST OF FENCE.
 2. THE CONTRACTOR SHALL INSTALL REQUIRED FENCE AT THE LOCATION SHOWN ON THE PLANS. INSTALLATION SHALL BE IN ACCORDANCE WITH FAA SPECIFICATION F-162. PAYMENT SHALL BE MADE UNDER PAY ITEM F-162A CHAIN LINK FENCE.
 3. ALL CLEARING AND FENCE DEBRIS SHALL BE PROPERLY DISPOSED OF OFFSITE. NO DIRECT PAY.
 4. THE CONTRACTOR SHALL REMOVE GATES AT LOCATIONS SHOWN. GATE REMOVAL SHALL INCLUDE REMOVAL AND OFFSITE DISPOSAL OF ALL GATES, HINGES, OPERATORS, COMPONENTS, ETC. THE CONTRACTOR SHALL INSTALL NEW GATES, OPERATORS, AND CONTROLS IN ACCORDANCE WITH FAA SPECIFICATION F-162.
 5. THE CONTRACTOR SHALL REMOVE EXISTING GATE OPERATOR AND CONTROL AT LOCATIONS SHOWN. THE CONTRACTOR SHALL MODIFY THE EXISTING GATE AS NEEDED TO INSTALL NEW GATE OPERATOR AND CONTROLS.
 6. THE CONTRACTOR SHALL PROVIDE NEW ELECTRICAL SERVICE AT GATE 5. COST TO BE INCLUDED IN THE COST OF THE GATE. THE CONTRACTOR SHALL REUSE EXISTING POWER AT ALL OTHER GATES.
 7. GATE SIZES SHOWN IN THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
 8. THE CONTRACTOR SHALL PROVIDE AND INSTALL GATE IDENTIFICATION SIGNS FOR EACH GATE SCHEDULED TO REMAIN. GATE IDENTIFICATION SIGNS SHALL BE IN ACCORDANCE WITH THE DETAIL SHOWN ON SHEET GD-3. NO DIRECT PAY. COST TO BE INCLUDED IN COST OF CANTILEVER SLIDE GATE.
 9. SEE THIS SHEET FOR GATE LEGEND.
 10. FINAL GATE NUMBERS TO BE DETERMINED DURING CONSTRUCTION.
 11. THE PERIMETER FENCING MUST BE SECURE AT ALL TIMES. THE CONTRACTOR SHALL ONLY REMOVE THE PORTION OF FENCING THAT CAN BE REPLACED DURING THE WORK SHIFT. AT NO TIME IS THERE TO BE AN UNSECURE OPENING IN THE FENCING DURING THE CONSTRUCTION PHASE OF THIS PROJECT.



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INTERNATIONAL

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OCEAN SPRINGS, MS 39564
PH 228-818-2839 FX 228-875-5187

Designer:
MS
Technician:
KGP
Checked by:
BRO
Project Number:
177987

**JACKSON MUNICIPAL
AIRPORT AUTHORITY**
**(HAWKINS FIELD
AIRPORT)**

REVISIONS			
No.	Description	Date	By

Key Map:

Drawing Name:

**FENCING AND GATE
LAYOUT PLAN**

FAA A.I.P. Project Number: FAA AIP PROJECT NO. TBD	
Autocad Drawing Reference:	
Date: MAY, 2020	Sheet Number: 2
Scale: AS SHOWN	Drawing Number: PLP-1



BACK



BACK



BACK



FRONT

GATE 1



FRONT

GATE 2



FRONT

GATE 3

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REVISIONS			
No.	Description	Date	By

Key Map:

Drawing Name:

GATES
EXISTING GATE PHOTOS
GATE 1, GATE 2,
AND GATE 3

FAA A.I.P. Project Number: FAA AIP PROJECT NO. TBD	
Autocad Drawing Reference:	
Date: MAY, 2020	Sheet Number: 3
Scale: NONE	Drawing Number: GP-1



BACK



BACK



BACK



FRONT

GATE 4



FRONT

GATE 5

NOT AVAILABLE

FRONT

GATE 10

Designer:
KGP

Technician:
KGP

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AIRPORT AUTHORITY

(HAWKINS FIELD

AIRPORT)

REVISIONS			
No.	Description	Date	By

Key Map:

Drawing Name:

GATES

EXISTING GATE PHOTOS

GATE 4, GATE 5,

AND GATE 10

FAA A.I.P. Project Number:	
FAA AIP PROJECT NO. TBD	
Autocad Drawing Reference:	
Date:	Sheet Number:
MAY, 2020	4
Scale:	Drawing Number:
NONE	GP-2

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Key Map:

Drawing Name:

GATES

GATE DETAILS

FAA A.I.P. Project Number:

FAA AIP PROJECT NO. TBD

Autocad Drawing Reference:

Date:

MAY, 2020

Sheet Number:

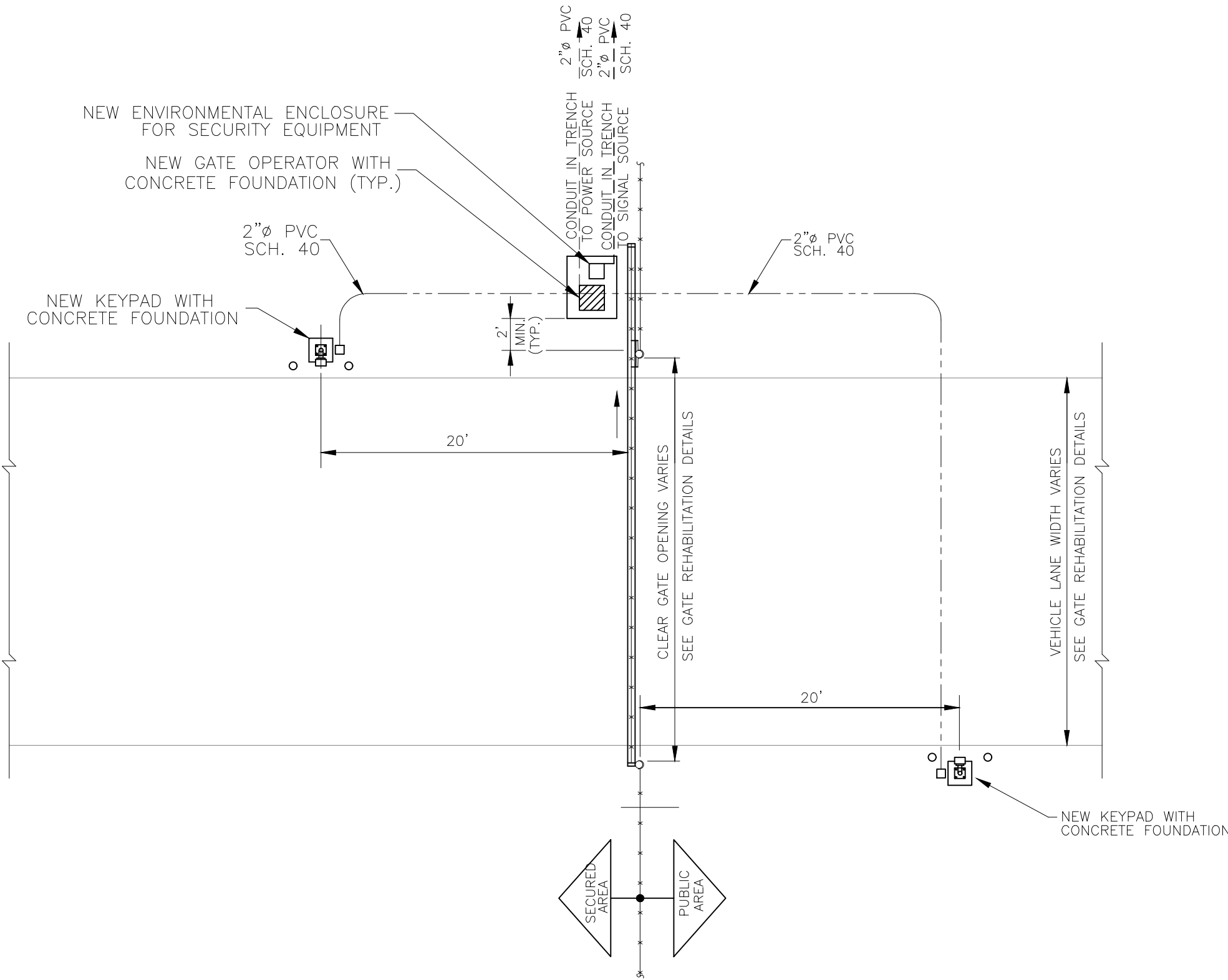
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Scale:

AS SHOWN

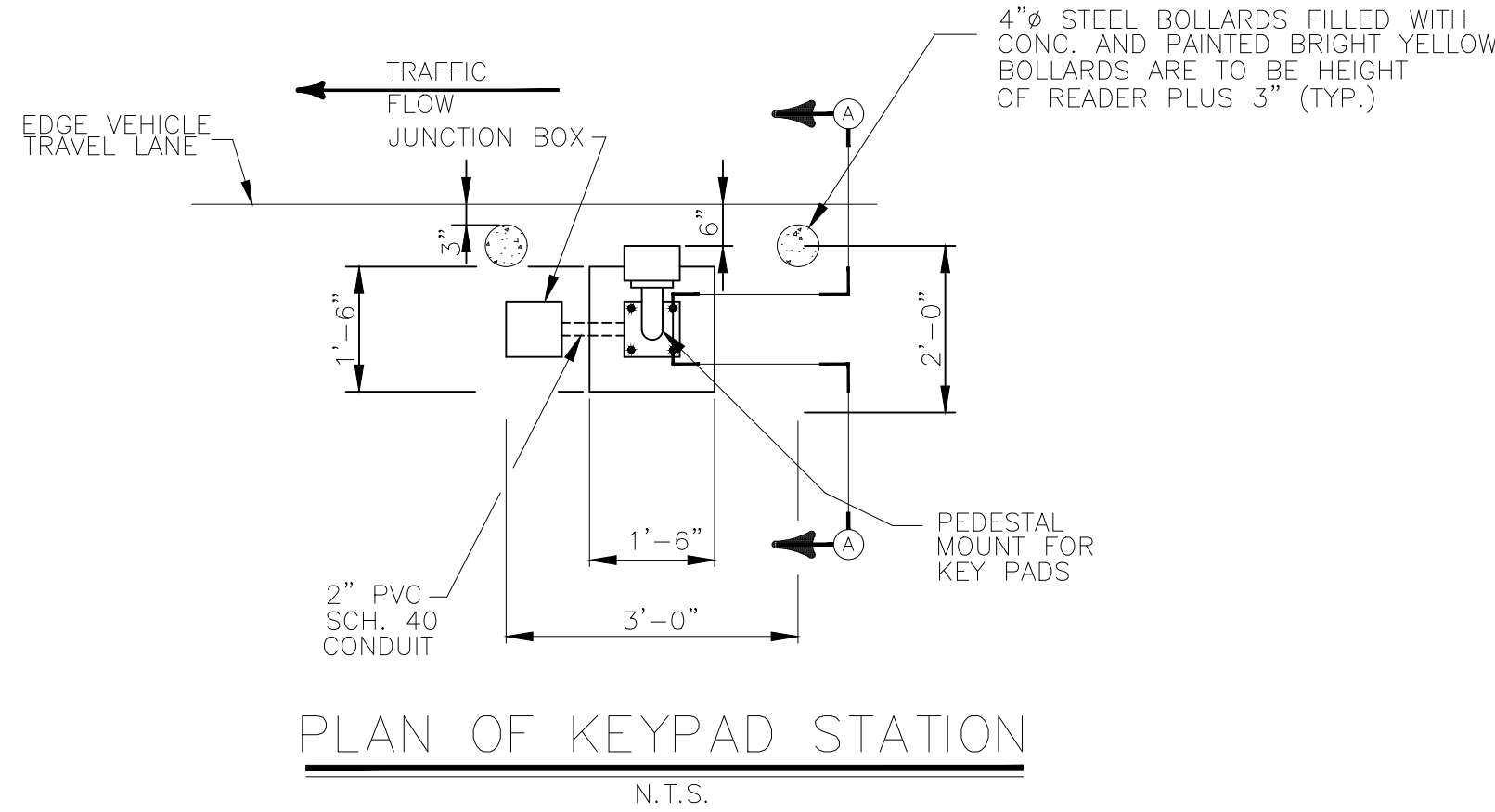
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GD-1



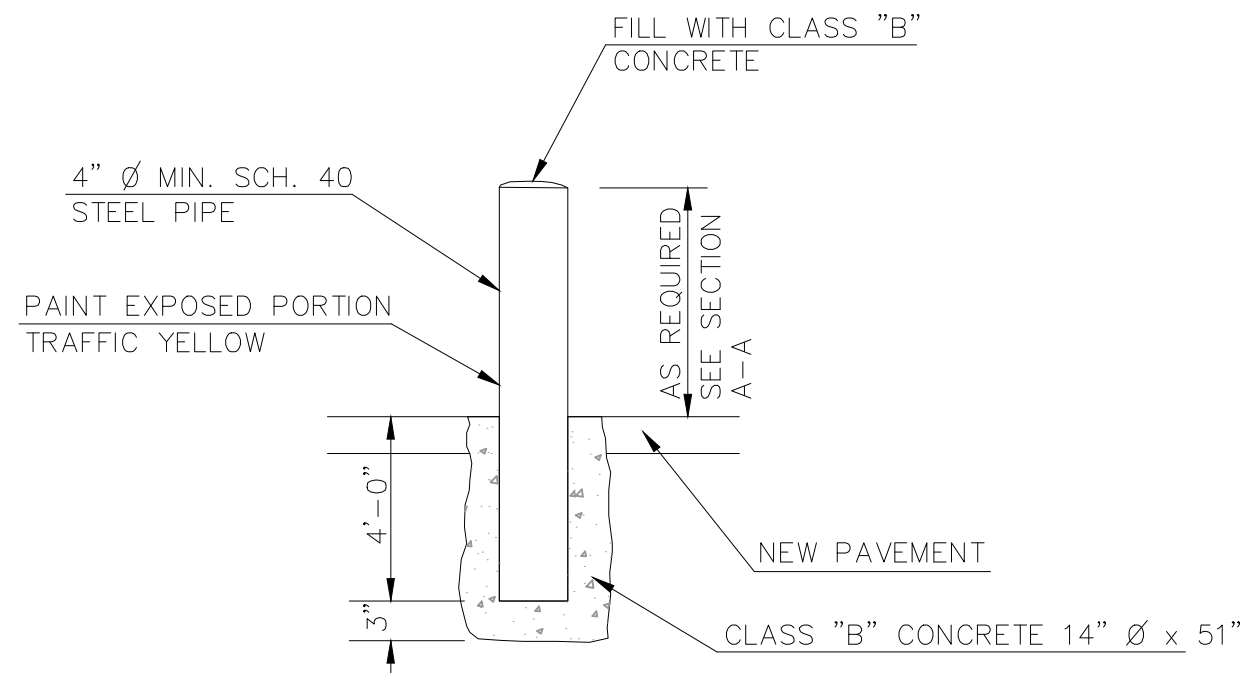
SCHEMATIC PLAN FOR OPERATED
CANTILEVER SLIDE GATE

N.T.S.



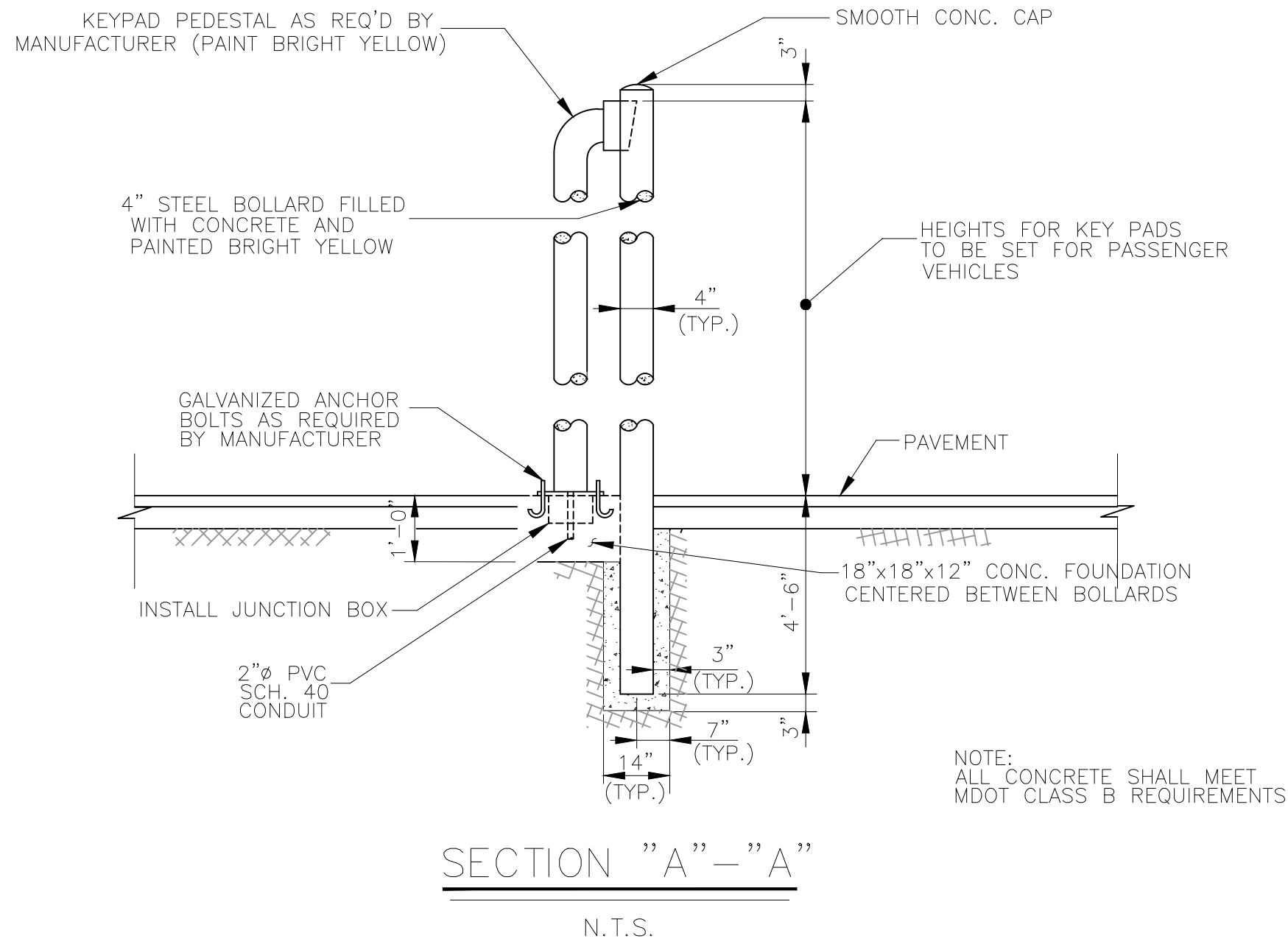
PLAN OF KEYPAD STATION

N.T.S.



BOLLARD DETAIL

N.T.S.



SECTION "A" - "A"

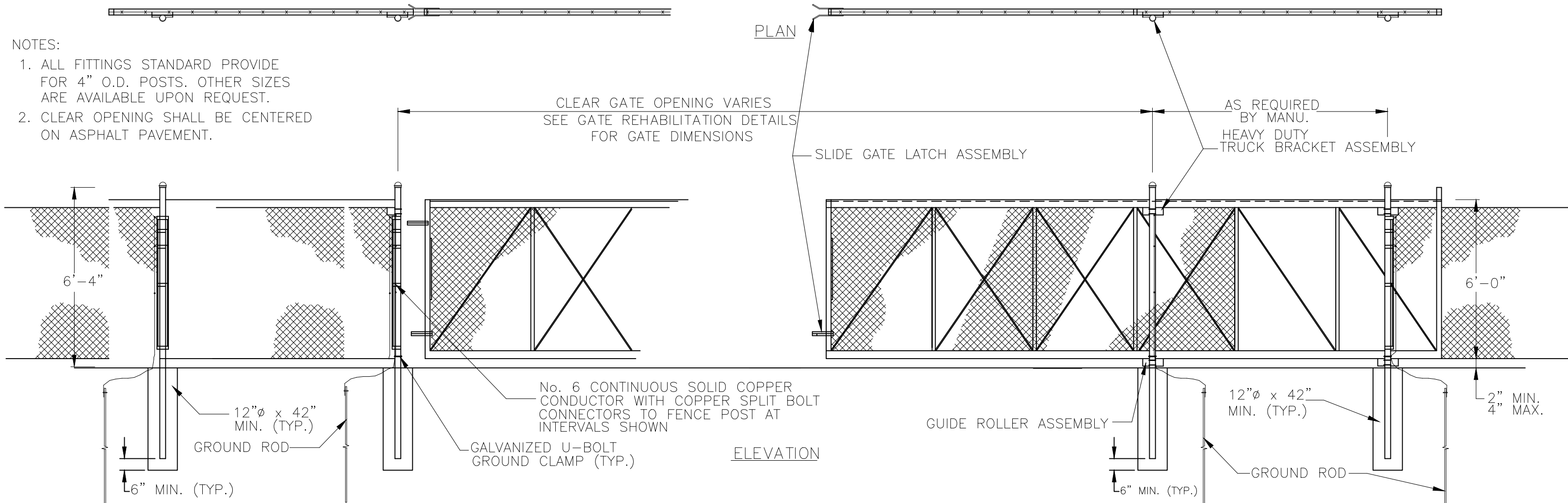
N.T.S.

GENERAL SPECIFICATIONS

INPUT: 16.5VAC or VDC
OUTPUT: n/o OR n/c CONTACT 1-99 seconds
OPERATING TEMPERATURE: -15 to 175° F
16 gauge stainless steel face plate
16 gauge powder coated enclosure
Programmable Four Digit Code

NOTES:

1. ALL FITTINGS STANDARD PROVIDE FOR 4" O.D. POSTS. OTHER SIZES ARE AVAILABLE UPON REQUEST.
2. CLEAR OPENING SHALL BE CENTERED ON ASPHALT PAVEMENT.



CANTILEVER SLIDE GATE DETAIL

N.T.S.

GATE KEYPAD STATION

N.T.S.

NOTE: COSTS FOR THE MATERIALS AND INSTALLATION OF THE KEYPAD SHALL BE INCLUDED IN THE PAY ITEM FOR THE GATE OPERATOR.

Designer:
KGP
Technician:
KGP
Checked by:
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REVISIONS

No.	Description	Date	By

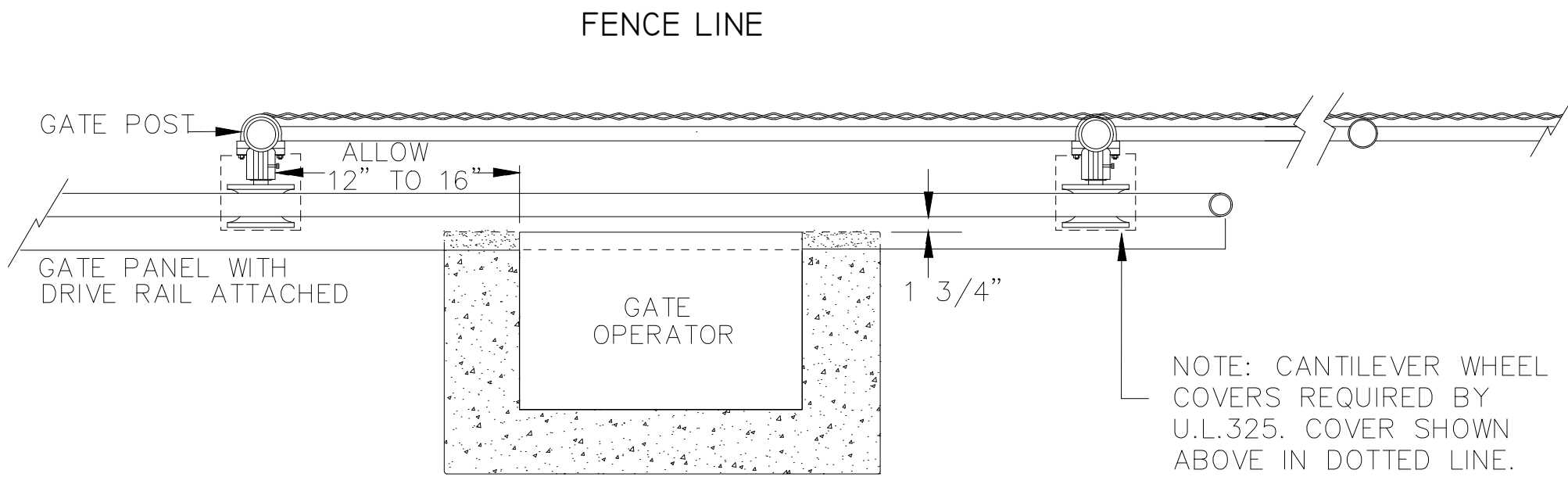
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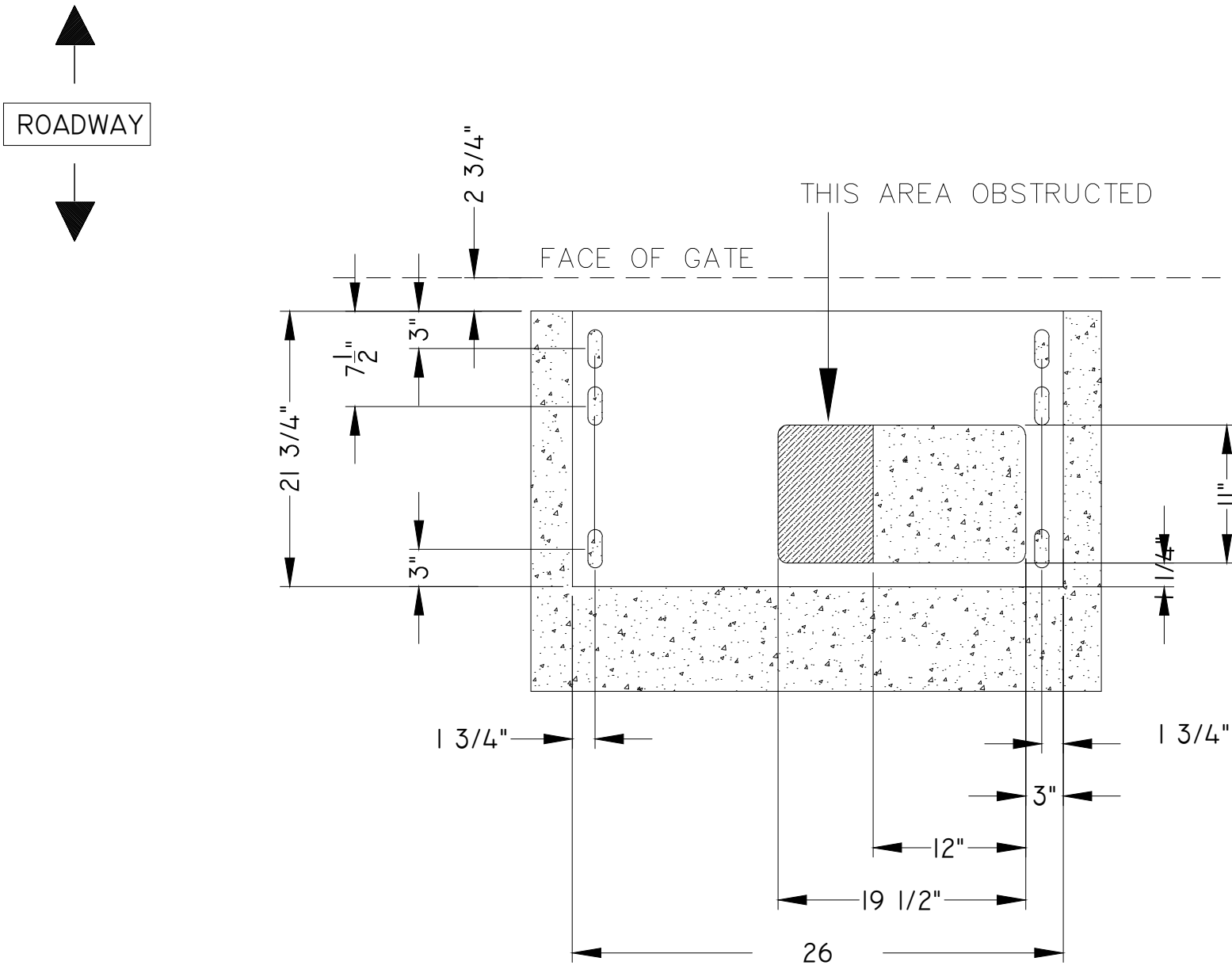
GATES

GATE DETAILS

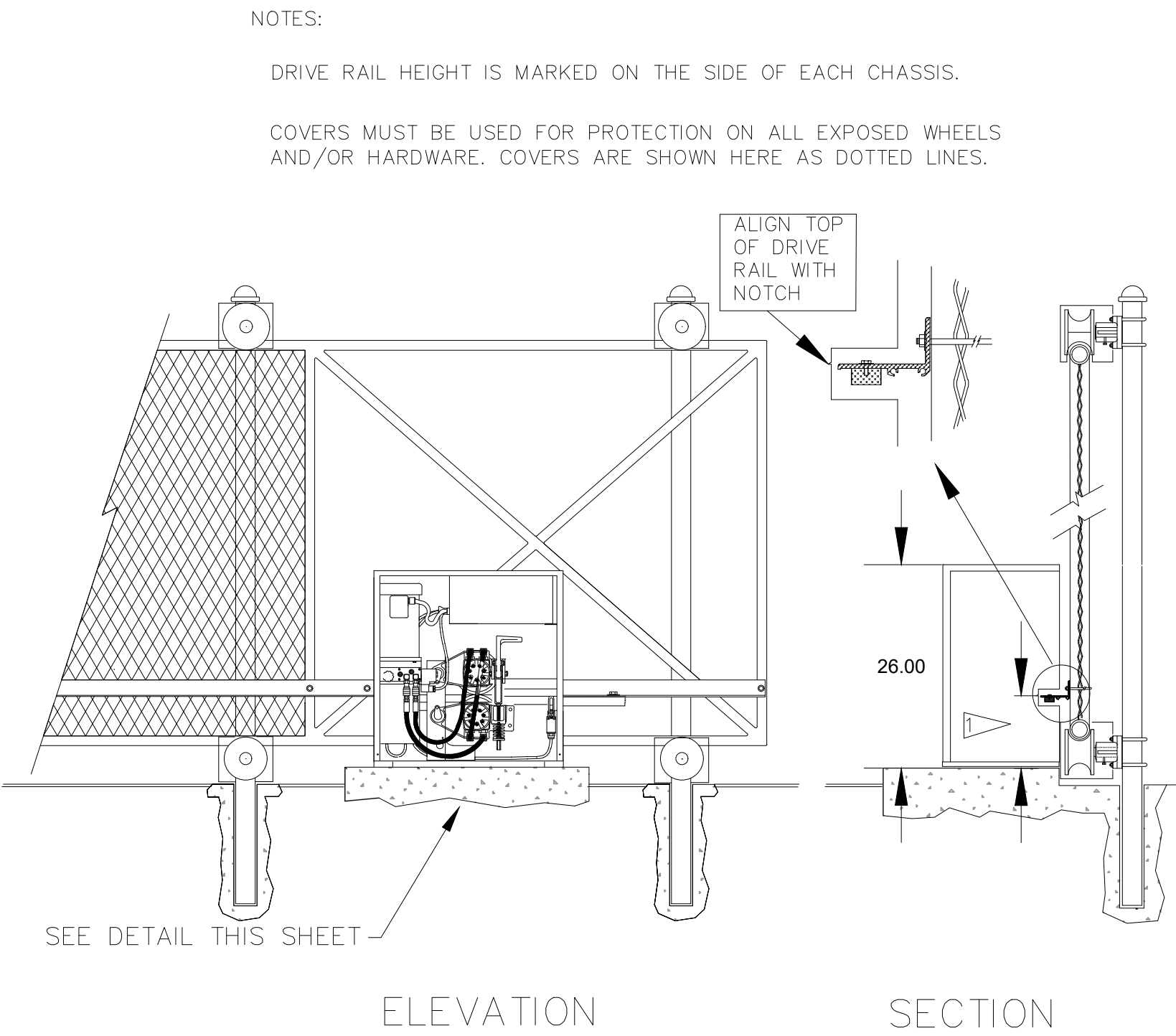
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Date: MAY, 2020	Sheet Number: 6
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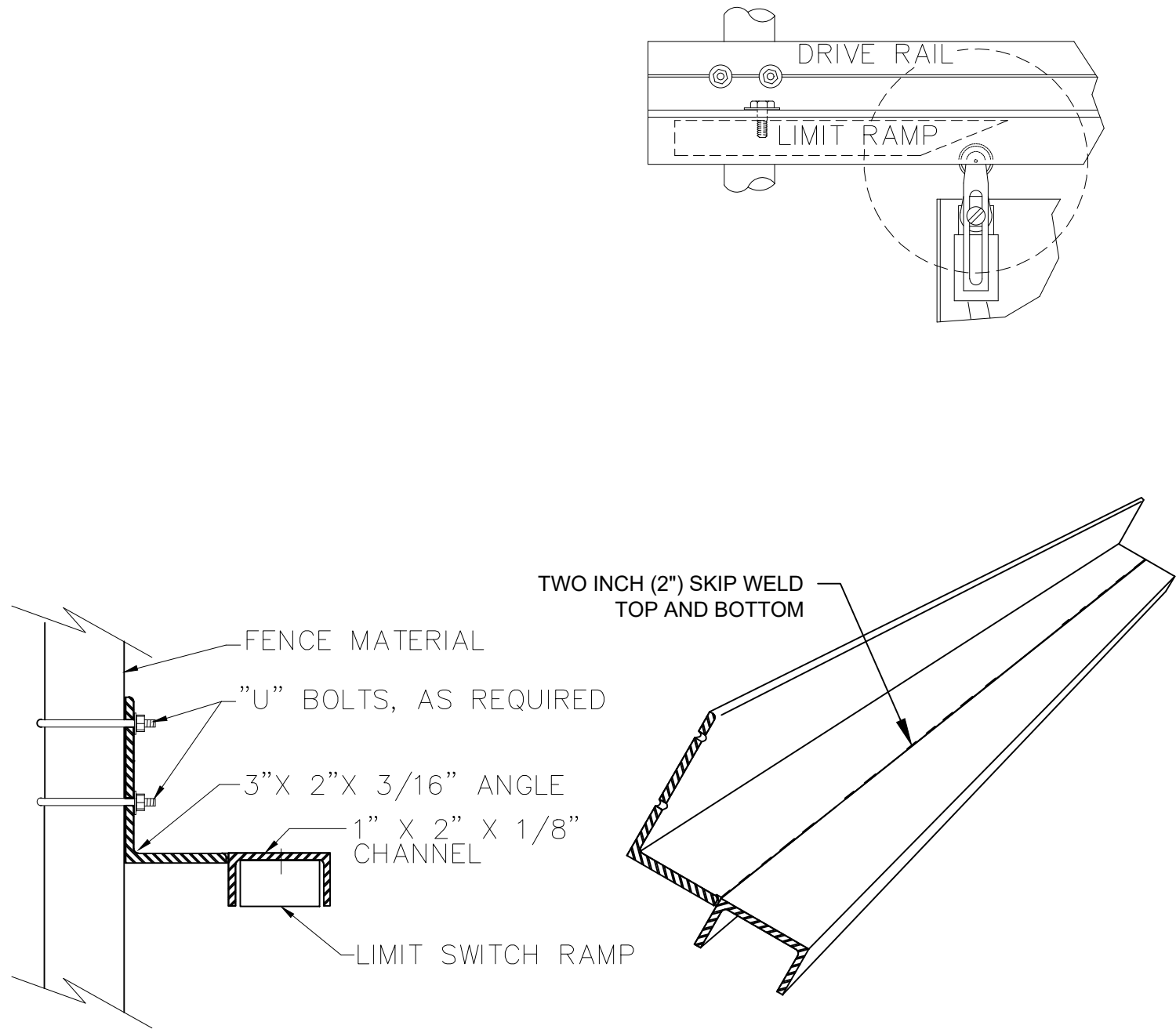
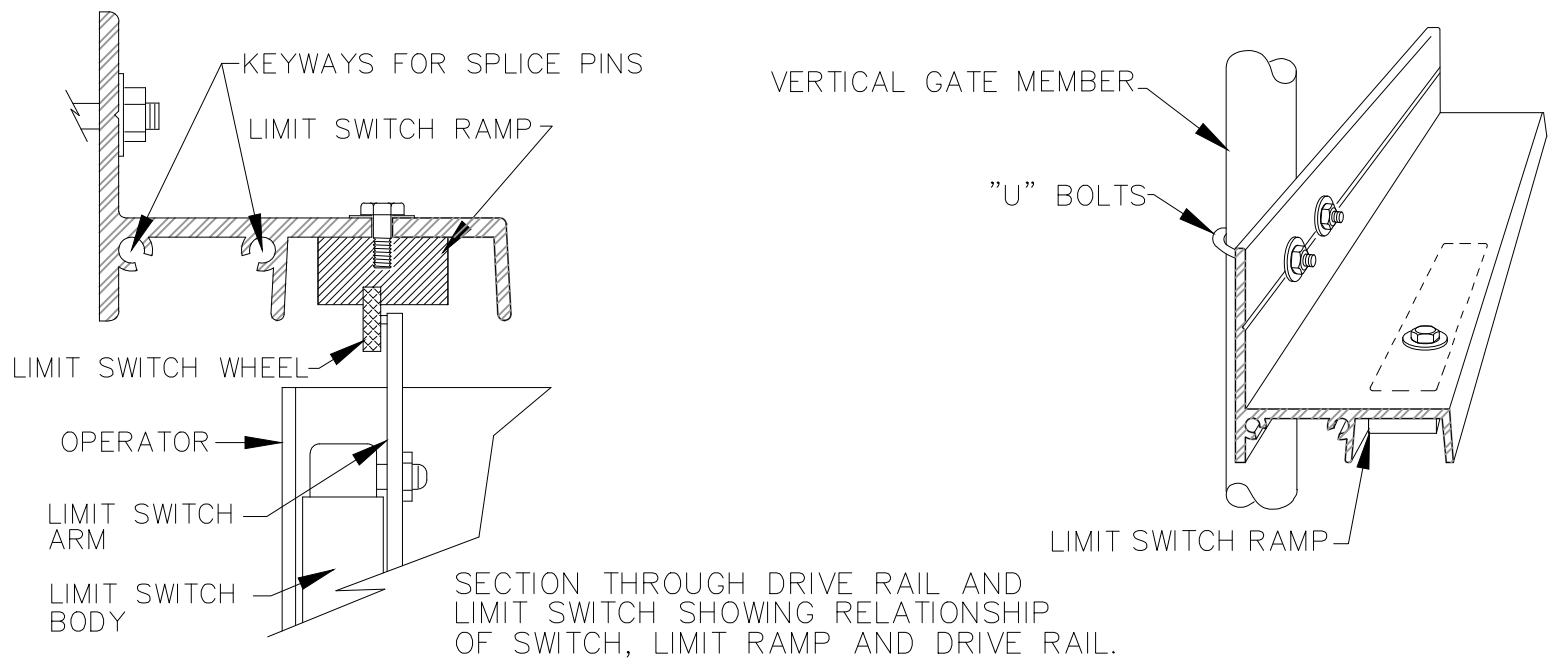
NOTE:
MINIMUM CONCRETE SLAB DIMENSIONS RECOMMENDED ARE:
30" WIDE, 20" FROM FRONT TO BACK AND 16" DEEP.
OPERATOR IS INSTALLED ON A CONCRETE PAD.
4" POSTS ARE SHOWN FOR GATE SUPPORT AND FENCE TERMINATION.



GATE OPERATOR FOUNDATION
N.T.S.



GATE OPERATOR DETAIL
N.T.S.



* OR APPROVED EQUAL
STEEL DRIVE RAIL DETAILS
N.T.S.

DETAILS NOT DRAWN TO SCALE

Designer:
MS

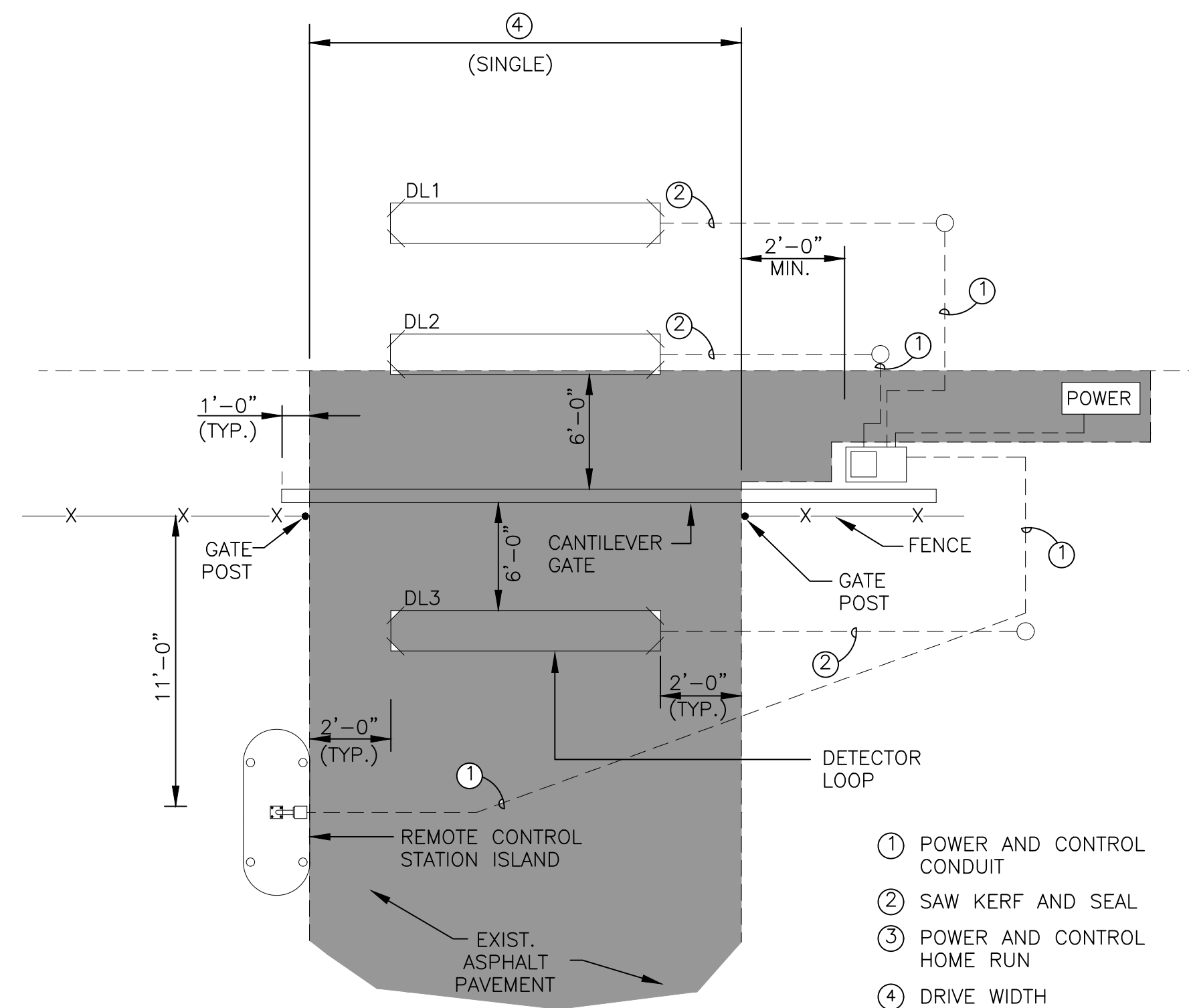
Technician
KGP

Checked by
BRO

Project Number
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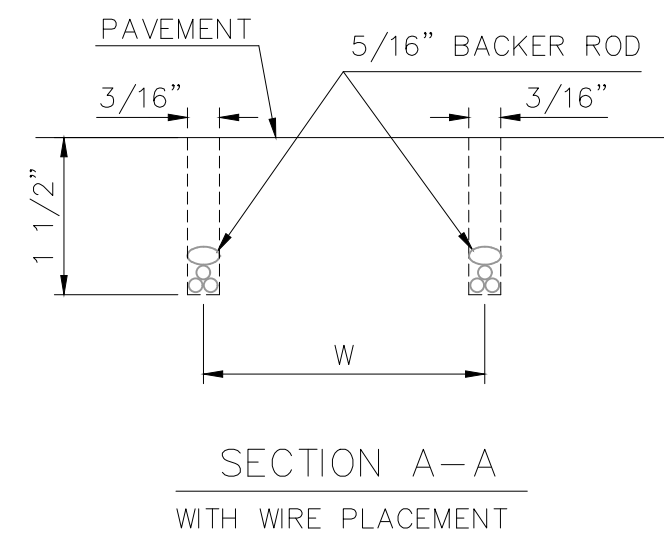


NOTE:

1. DETAIL IS PROVIDED FOR REFERENCE ONLY AND IS INTENDED TO CONVEY GENERAL LAYOUT OF KNOWN CONDITIONS AT LOCATIONS WHERE CANTILEVER GATES (EITHER SINGLE OR DUAL) EXIST WITH CONTROLLERS. CONTRACTOR IS RESPONSIBLE FOR VISITING THE PROJECT SITE TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AT ALL LOCATIONS WHERE CANTILEVER GATES ARE BEING FURNISHED WITH CONTROLLERS. THE INTENT IS TO PROVIDE A FULLY FUNCTIONAL SYSTEM (GATE, FOUNDATIONS, CONTROLLER, DETECTOR LOOP, EXIT LOOP, AND POWER AND CONTROL WIRING) AT LOCATIONS CALLED FOR ON THE DRAWINGS.
2. THE CONTRACTOR SHALL INTEGRATE DETECTOR LOOPS WITH THE SECURITY MANAGEMENT SYSTEM SUCH THAT DETECTOR LOOP 1 MUST BE ACTIVATED PRIOR TO DETECTOR LOOP 2 IN ORDER TO PREVENT A PASSING OBJECT FROM THE NON SECURE SIDE FROM ACTIVATING THE GATE.
3. ALL AUTOMATIC GATES SHALL BE FAIL SECURE.
4. SEE SHEET PLP-1 FOR REQUIRED GATE SIZES.

TYPICAL EXISTING CANTILEVER GATE W/ CONTROLLER

N.T.S.



DETECTOR LOOP – SECTION VIEW

N.T.S.

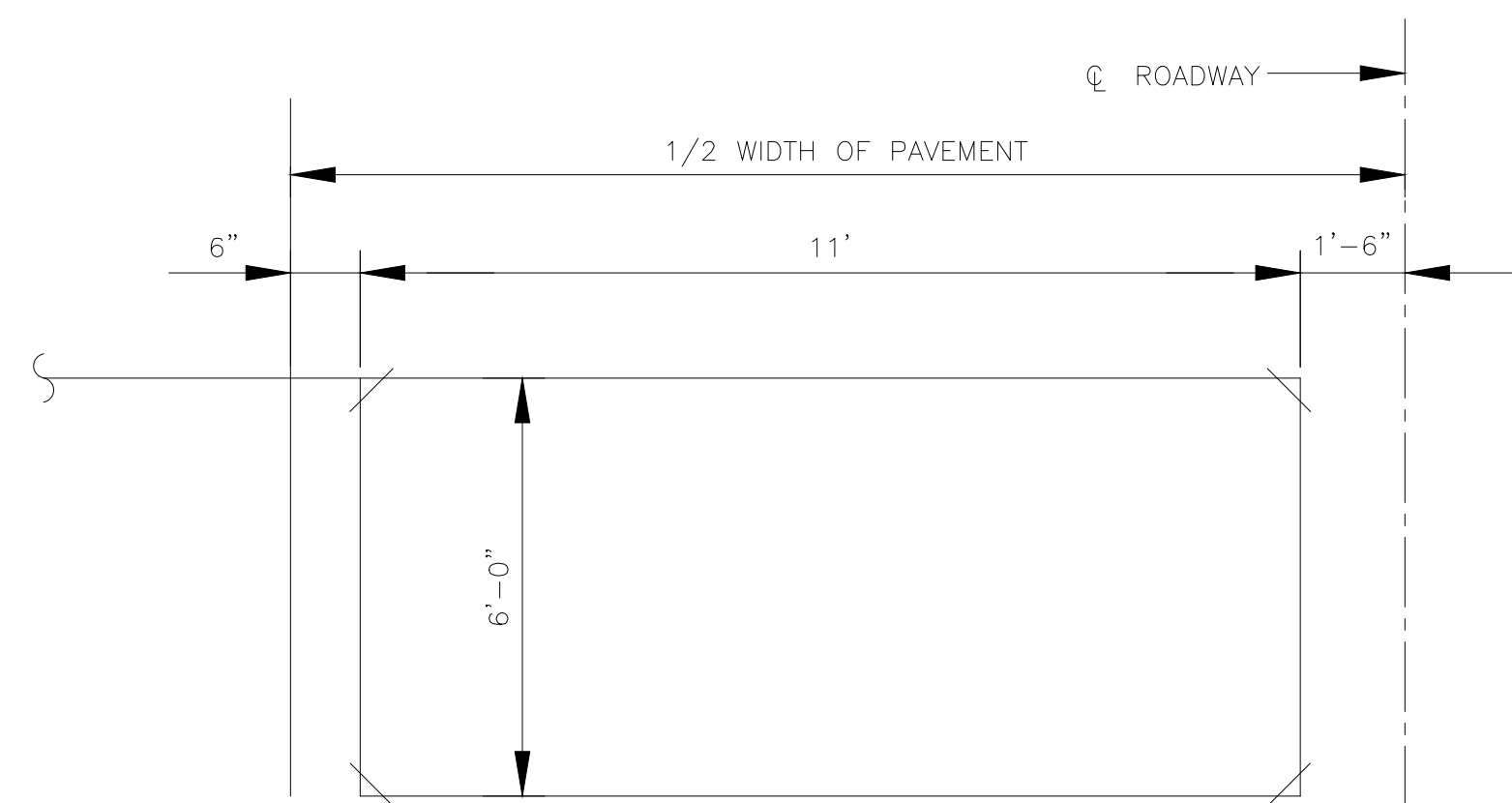


GATE	ID	SIGN
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N.T.S.

NOTE:

1. LEGEND SHALL BE WHITE. BACKGROUND SHALL BE GREEN.
2. CHARACTER SIZE SHALL BE 6-INCH.
3. SIGN SHALL BE CONSTRUCTED PER CURRENT VERSION OF THE MUTCD.
4. PAYMENT SHALL BE MADE UNDER PAY ITEMS F-162B 28-FT CANTILEVER SLIDE GATE AND F-162C 35-FT CANTILEVER SLIDE GATE.



DETECTOR LOOP DETAIL -PLAN VIEW

N.T.S.

[illegible]

Key Map:

Drawing Name:

GATES

GATE DETAILS

FAA A.I.P. Project Number:

FAA AIP PROJECT NO. TBD

Autocad Drawing Reference:

Date:

MAY, 2020

Sheet Number:

Scale:

AS SHOWN

Drawing Number:

GD-3

