FLORIDA DEPARTMENT OF TRANSPORTATION

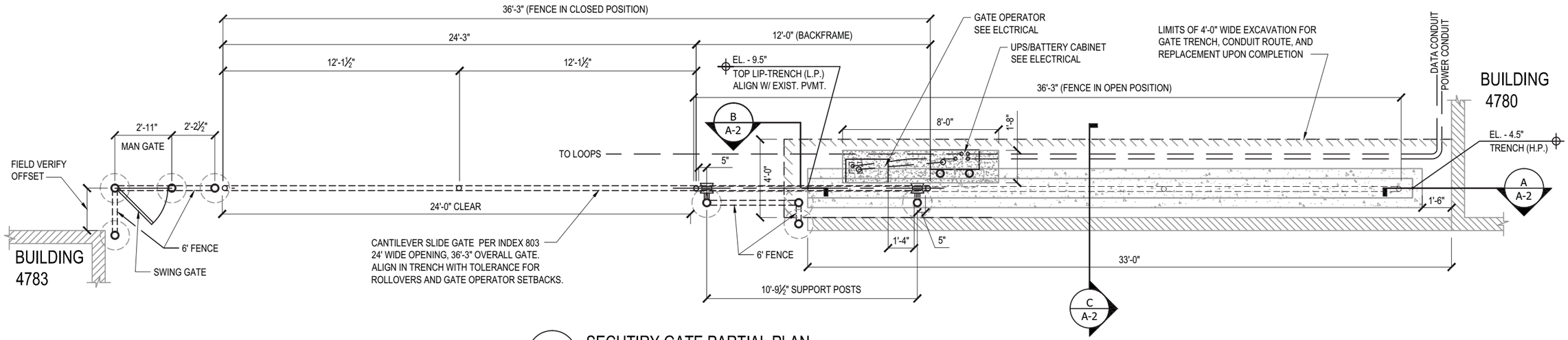
ATTACHMENTS

ITB-DOT-14/15-8005-GB

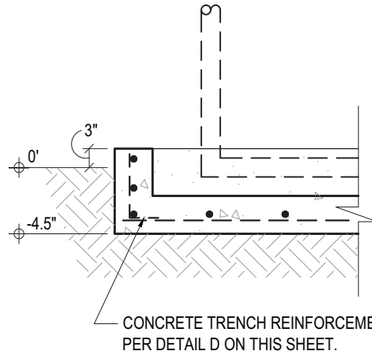
INSTALLATION OF FENCE AND CANTILEVER SLIDE SECURITY GATE

FLORIDA'S TURNPIKE (S.R. 91), MILEPOST 99.0

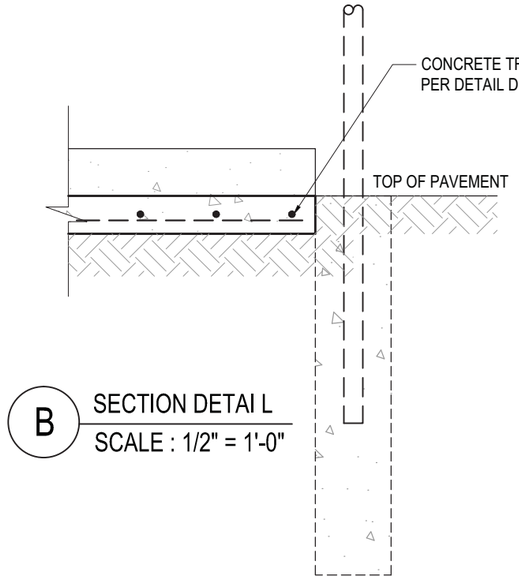
428395-1-52-11



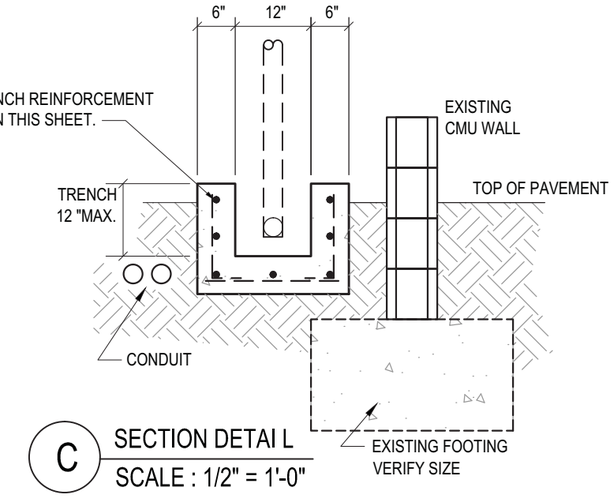
1 SECUTIRY GATE PARTIAL PLAN
SCALE : 3/16" = 1'-0"



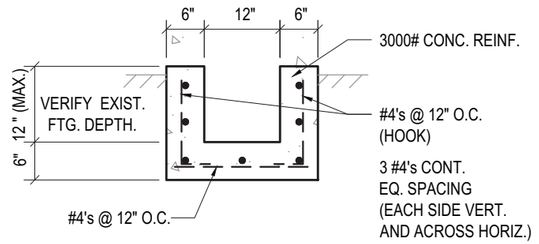
A SECTION DETAI L
SCALE : 1/2" = 1'-0"



B SECTION DETAI L
SCALE : 1/2" = 1'-0"



C SECTION DETAI L
SCALE : 1/2" = 1'-0"



D TRENCH REINFORCEMENT DETAI L
SCALE : 1/2" = 1'-0"

JEFFREY WARMINGTON, AIA..
R.A. LICENSE No.: 13828

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS
2001 NW 107th Avenue
Miami, FL 33172–2507
Certificate of Authorization No. AA 000723

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	WEST PALM BEACH	

ELECTRONIC SECURITY GATE
CENTRAL REPAIR DEPOT- MP99
SECURITY GATE PARTIAL PLAN & DETAILS

SHEET NO.
A-2

FENCE NOTES:

NOTES APPLICABLE TO THIS PROJECT:

1. SPECIFICATIONS GOVERNING THE FENCING IS SECTION 550 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2010 EDITION AND INDEXES 802 AND 803 OF THE 2010 FDOT DESIGN STANDARDS

2. THE FENCE LINE COMPONENT OPTIONS AS NOTED IN INDEX 802 OF THE 2010 FDOT DESIGN STANDARDS, PAGE 1 OF 3 THAT HAVE BEEN SELECTED ARE:

   A. LINE POST OPTION 1 – GALVANIZED STEEL PIPE SCHEDULE 40 – 1½" NOMINAL DIA. ZINC GALVANIZED AT A RATE OF 1.8 OZ/SQUARE FOOT; ASTM A53 TABLE X 2, ATSM, F1083, AND AASHTO M111.

   B. CORNER END AND PULL POST OPTION 1 – STEEL PIPE SCHEDULE 40 – 2" NOMINAL DIA. ZINC GALVANIZED AT A RATE OF 1.8 OZ/SQUARE FOOT; ASTM A53 TABLE X 2, ATSM, F1083, AND AASHTO M111

   C. RAIL OPTION 1 – STEEL PIPE SCHEDULE 40 – 1¼" NOMINAL DIA. ZINC GALVANIZED AT A RATE OF 1.8 OZ/SQUARE FOOT; ASTM A53 TABLE X 2, ATSM F1083, AND AASHTO M111.

   D. CHAIN LINK OPTION 1 (2 INCH MESH WITH TWISTED AND BARBED SELVAGE TOP AND BOTTOM EXCEPT AS DESCRIBED IN NOTE 10 OF THE GENERAL NOTES ON INDEX 802 OF THE 2010 FDOT DESIGN STANDARDS, PAGE 2 OF 3) – AASHTO M181 TYPE 1 ZINC COATED STEEL, NO. 9 GAGE (COATED WIRE DIAMETER) COATED AT THE RATE OF 1.8 OZ/SQUARE FOOT. (M181 CLASS D 2.0 OZ/SQUARE FOOT MODIFIED TO 1.8 OZ/SQUARE FOOT)

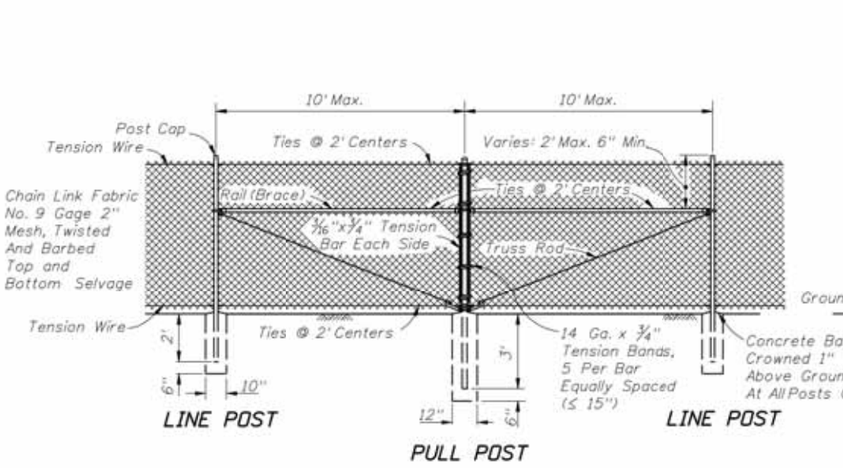
   E. TENSION WIRE OPTIONS 1 – STEEL WIRE NO. 7 ZINC GALVANIZED AT A RATE OF 1.2 OZ/SQUARE FOOT. AASHTO M181

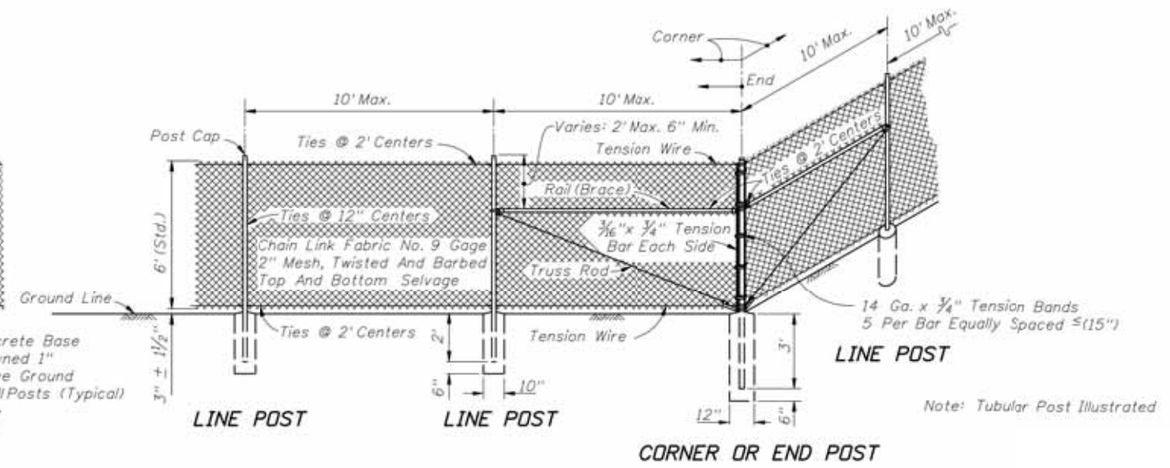
   F. TIE WIRE AND HOG RING OPTIONS 1 – STEEL WIRE NO. 9 ZINC GALVANIZED AT A RATE OF 1.2 OZ/SQUARE FOOT.

3. BARBED WIRE TOPPING – PER BARBED WIRE ATTACHMENT AS NOTED IN INDEX 802 OF THE 2010 FDOT DESIGN STANDARDS. PAGE 3 OF 3.

JAMES E. VICK, P.E.
FLORIDA LICENSE No.: 39901

REVISIONS						ATKINS	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ELECTRONIC SECURITY GATE CENTRAL REPAIR DEPOT - MP 99 FENCE DETAILS AND NOTES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	2001 NW 107th Avenue Miami, FL 33172–2507 Certificate of Authorization No. AA 000723	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		C-1
								WEST PALM BEACH			





GENERAL NOTES

1. This fence to be used generally in urban areas.

2. For supplemental information refer to Section 550 of FDOT Standard Specifications.

3. Chain link fabric, post, truss rods, tension wires, tie wires, stretcher bars, gates and all miscellaneous fittings and hardware shall meet the requirements of AASHTO and ASTM signify current reference.

4. Fence Component Options:

A. Line post options:

(1) Galvanized steel pipe, Schedule 40– 1½" nominal dia. zinc galvanized at the rate of 1.8 oz./ft².: ASTM A53 Table X 2, ASTM F1083, and AASHTO M111.
(2) Aluminum coated steel pipe: ASTM A53, X 2 Tables: Schedule 40– 1½" nominal dia., 1.90" OD: coated at the rate 0.40 oz./ft.: AASHTO M111.
(3) Aluminum alloy pipe– 2" nominal dia.: ASTM B241 or B221, Alloy 6063, T6.
(4) Steel H-Beam– 1⅞"x 1⅝": Zinc Galv. 1.8 oz./ft.: AASHTO M111 and Detail.
(5) Aluminum alloy H-Beam– 1⅞"X 1⅝" Detail.
(6) Steel C– 1⅞"X 1⅝": Galv.: 1.8 oz/ft. zinc: AASHTO M111: OR , 0.9 oz./ft². zinc–5% aluminum–mischmetal: ASTM F1043 and Detail.
(7) Resistance welded steel pipe: 50,000 psi min. yeild strength ASTM A569/A569M, A653/A653M or undepleted stock of discontinued A446/A446M base materials: ASTM F669 Group IV (Alternative Design): fence industry 2" OD, 1½" NPS, 1.900" dec. equiv., 0.120" min. wall thick. and min. wt. 228 lb./ft.: with ASTM F1043 metric equivalent internal coating Types A, B, C or D and external coating Types A, B, or C: the chromate conversion coating of external Type B shall have a thickness of 15μg/in². min. and the polymer film topcoat shall have a thickness of 0.0003" min.: internal and external coatings are not restricted to the combinations of Table 2, ASTM F1043.

B. Corner, end, and pull post options:

(1) Galvanized steel pipe, Schedule 40– 2" nominal dia. zinc galvanized at the rate of 1.8 oz./ft².: ASTM A53 Table X 2, ASTM F1083, and AASHTO M111.
(2) Aluminum coated steel pipe: ASTM A53 steel, X 2 Tables: Schedule 40: 2" nominal dia., 2.375" OD: coated at the rate 0.40 oz./ft.: AASHTO M111.
(3) Aluminum alloy pipe– 2½" nominal dia.: ASTM B241 or B221, Alloy 6063,T6.
(4) Resistance welded steel pipe: 50,000 psi min. yield strength ASTM A569/A569M, A653/A653M or undepleted stock of discontinued A446/A446M base materials: ASTM F669 Group IV (Alternative Design): fence industry 2½" OD, 2" NPS, 2.375" dec. equiv., 0.130"min. wall thick. and min. wt. 3.117 lb./ft.: with ASTM F1043 metric equivalent internal coating Types A, B, C or D and external coating Types A, B, or C: the chromate conversion coating of external Type B shall have a thickness of 15μg/in². min. and the polymer film topcoat shall have a thickness of 0.0003" min.: internal and external coatings are not restricted to the combinations of Table 2, ASTM F1043.

C. Rail options:

(1) Galvanized steel pipe, Schedule 40– 1¼" nominal dia. zinc galvanized at the rate of 1.8 oz./ft².: ASTM A53 Table X 2, ASTM F1083, and AASHTO M111.
(2) Aluminum coated steel pipe: ASTM A53 steel, X 2 Tables Schedule 40: 1¼" nominal dia., 1.660" OD: coated at the rate 0.40 oz./ft.: AASHTO M111.
(3) Aluminum alloy pipe– 1¼" nominal dia.: ASTM B241 or B221, Alloy 6063, T6.
(4) Resistance welded steel pipe: 50,000 psi min. yeild strength ASTM A569/A569M, A653/A653M or undepleted stock of discontinued A446/A446M base materials: ASTM F669 Group IV (Alternative Design): fence industry 1⅝" OD, 1¼" NPS, 1.660" dec. equiv., 0.111" min. wall thick. and min. wt. 1.836 lb./ft.: with ASTM F1043 metric equivalent internal coating Types A, B, C or D and external coating Types A, B, or C: the chromate conversion coating of external Type B shall have a thickness of 15μg/in². min. and the polymer film topcoat shall have a thickness of 0.0003" min.: internal and external coatings are not restricted to the combinations of Table 2, ASTM F1043.

D. Chain link fabric options (2" mesh with twisted and barbed selvage top and bottom for all options except as described in Note No. 10):

(1) AASHTO M181 Type I – Zinc Coated Steel, No. 9 gage (coated wire diameter), coated at the rate of 1.8 oz/ft². (M181 Class D 2.0 oz./ft². modified to 1.8 oz./ft².).
(2) AASHTO M181 Type II –Aluminum Coated Steel, No. 9 gage (coated wire diameter), coated at the rate of 0.40 oz./ft².
(3) AASHTO M181 TypeIV– Polyvinyl Chloride (PVC) Coated Steel, No. 9 guage (coated core wire diameter), core wire–zinc coated steel, PVC coating: M181 Class A (either extruded or extruded and bonded) or Class B (bonded). See table right. Unless the plans call for M181 standard colors medium green, dark green or black the coating color shall be soft gray matching that of No. 36622 of Federal Standard 595a

E. Tension wire options:

(1) Steel wire No. 7 gage zinc galvanized at the rate of 1.2 oz./ft².: AASHTO M181.
(2) Aluminum alloy wire with a diameter of 0.1875" or larger conforming to the requirements of ASTM B211, Alloy 5056 Temper H38, or, Alclad Alloy 5056 Temper H192.
(3) Aluminum coated steel wire No.7 gage coated at the rate of 0.040 oz./ft².: AASHTO M181.

F. Tie wire and hog ring operations:

(1) Steel wire No.9 gage zinc galvanized at the rate of 1.2 oz./ft².
(2) Aluminum alloy wire with a diameter of 0.1443" or larger conforming to the requirements of ASTM B211, Alloy 5056 Temper H38, or, Alclad Alloy 5056 Temper H192.
(3) Aluminum coated steel wire No. 7 gage coated at the rate of 0.040 oz./ft².

	2010 FDOT Design Standards	Last Revision 07/01/09	Sheet No. 1 of 3
	FENCE TYPE B		Index No. 802

REVISIONS						TOLL FACILITIES ENGINEERING	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ELECTRONIC SECURITY GATE CENTRAL REPAIR DEPOT - MP 99 FENCE DETAILS AND NOTES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	FLORIDA'S TURNPIKE ENTERPRISE MILE POST 263 – BUILDING 5319 OCOEE, FLORIDA 34761	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		C-2
								WEST PALM BEACH			

GENERAL NOTES CONTINUED

5. Unless a specific material is called for in the plans the Contractor may elect to use either a single type of material or a combination of material types from the component options listed in note 4. Combinations of optional materials are restricted as follows:
   (a) Only one fabric optional material will be permitted betweencorner and/or end post assemblies.
   (b) Only one line post optional material will be permitted between corner and/or end post assemblies.
   (c) Pull post assemblies shall be optional materials identical to either the linepost optional material or the corner and end post assembly optional material; but, pull post assemblies shall be the same optional material between any set of corner and/or end post assemblies.

6. Concrete for bases shall be Class NS concrete as specified in Section 347 of the Standard Specifications or a packaged, dry material meeting the requirements of a concrete under ASTM C-387. Materials for Class NS concrete may be proportioned by volume and/or by weight.

7. Line post shall be 8'-6" long (Standard). Line post are to be set in concrete as described above or by the following methods:
   (a) In accordance with special details and/or as specifically described in the contract plans and specifications.
   (b) In accordance with ASTM F567 Subsections 5.4 through 5.10 as approved by the Engineer. Line post installed in accordance with Section 5.8 shall be 9'-6" long.
   (c) Post mounted on concrete structure or solid rock shall be mounted in accordance with the base plate detail "Fence Mounting On Concrete Endwalls And Retaining Wall", Sheet 3; or, by embedment in accordance with ASTM F567 Subsection 5.5.

   End, pull and corner post assemblies shall be in concrete as detailed above for all soil conditions other than solid rock. Post within assemblies that are located on concrete structures or solid rock shall be set by base plate or by embedment as prescribed under (b) above for line post.

   Line and assembly post set in concrete bases shall be set an additional 3" in depth for each 1' of fence height greater than 6'.

8. Pull post shall be used at breaks in vertical grades of 15° or more, or at approximately 350' centers except that this maximum interval may be reduced by the Engineer on curves where the curve is greater than 3°.

9. Corner post are to be installed at all horizontal breaks in fence at 15° or more and as required at vertical breaks over 15° as determined by the Engineer.

10. When fence has an installed top of fabric height less than 6' knuckled top and bottom selvages shall be used unless the plans specifically identify locations for twisted selvage fabrics.

11. Unless sliding gates or special gates are called for in the plans, all gates shall be chain link swing gates meeting the material requirements described and as approved by the Engineer. Payment shall include the gates, single or double, all necessary hardware for installation and ary additional length and/or size for posts at the opening. Gates shall be paid for under the contract unit price for Fence Gates, EA.

12. For construction purposes corner post assemblies shall consist of one corner post, two braces, two truss rods, and all necessary fittings and hardware as detailed. End post assemblies shall consist of one end post, one brace, one truss rod and all necessary fittings and hardware as detailed.

13. All post, tension wires, chain link fabric, tie wires, Class NS concrete, and all miscellaneous fittings and hardware to be included in the cost for Fencing, LF.

TYPE IV VINYL COATED FABRIC AASHTO M181 Table 4 Redefined As Follows								
Specified Diameter Of Metallic Coated Core Wire			Minimum Weight Of Zinc Coating		PVC Thickness Range			
					M181 Class A (Extruded Or Extruded And Bonded Coating)		M181 Class B (Bonded Coating)	
in.	mm	gage	oz./ft².	g/m²	in.	mm	in.	mm
0.148	3.77	9	0.30	92	0.015 to 0.025	0.38 to 0.64	0.006 to 0.010	0.15 to 0.25

DESIGN NOTE

This index details fencing that is constructed with chain link fabric 6' (nominal) in height and with specific ground clearance.
For fencing of different height or installation details, the fence shall be fully detailed in the Contract plans.

2010 FDOT Design Standards

FENCE TYPE B

Last Revision 07/01/09 | Sheet No. 2 of 3 | Index No. 802

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

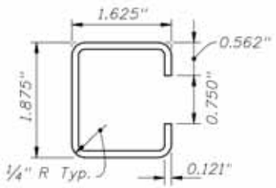
TOLL FACILITIES ENGINEERING
FLORIDA'S TURNPIKE ENTERPRISE
MILE POST 263 – BUILDING 5319
OCOEE, FLORIDA 34761

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	WEST PALM BEACH	

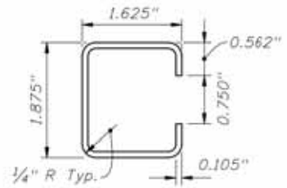
ELECTRONIC SECURITY GATE
CENTRAL REPAIR DEPOT - MP 99
FENCE DETAILS AND NOTES

SHEET NO. C-3



Galv. Wt. Per. Ft.= 2.34# ±5%
Yield PSI (Min.) 45,000

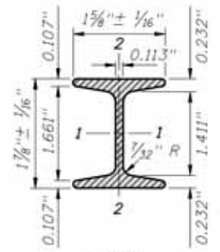
STANDARD WALL



Galv. Wt. Per. Ft.= 1.85# ±5%
Yield PSI (Min.) 45,000

THINWALL

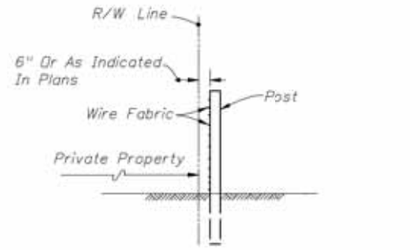
OPTIONAL "C" LINE POST



	STEEL	ALUMINUM
Area (Sq. In.)	724	724
Weight (Lb./Ft.)	2.72 ± 5% (Galv.)	0.91 ± 5%
Surface Area (SF/Ft.)	0.776	0.776
Tensile Strength (psi Min.)	80,000	30,000
Yielding Point (psi Min.)	48,000	25,000

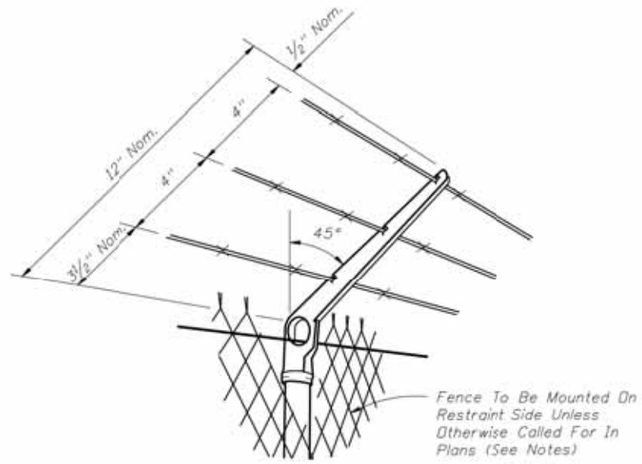
	Axes 1-1	2-2	Axes 1-1	2-2
Moment Of Inertia	0.428	0.101	0.428	0.101
Section Modulus	0.456	0.124	0.456	0.124
Rad. Of Gyration	0.779	0.373	0.779	0.373

OPTIONAL 1⅞"x 1⅝" H-BEAM LINE POST



FENCE POSITION AT LOCATIONS WITHOUT FRONTAGE ROADS

(REFER TO DETAIL PLANS FOR FENCE POSITION AT LOCATIONS WITH FRONTAGE ROADS)



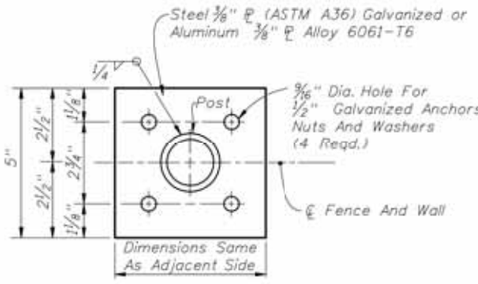
NOTES

Attachments to be used only when called for in the plans.
Attachments to extend in direction of restraint. Unless otherwise called for in plans, direction of restraint will be as follows:

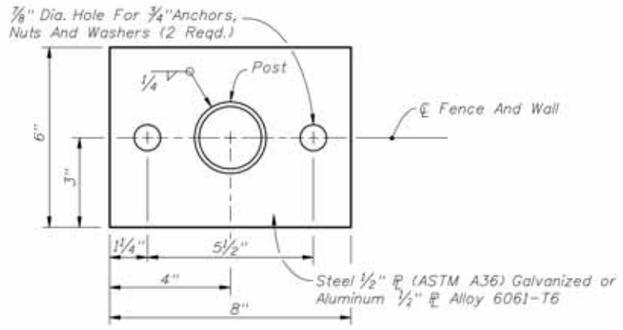
(a.) Outward on limited access right of way line.
(b.) Outward on controlled access right of way line.
(c.) Outward from utilities and hazardous facilities located within highway right of way.
(d.) Outward from lateral ditches, outfalls, retention basins, canals, borrow areas and similar support facilities.
(e.) Inward on pedestrian ways.

The cap-arm shall be designed to provide a drive fit over the top of posts and to exclude moisture in posts with tubular sections.

BARB WIRE ATTACHMENT



TOP VIEW
FOUR ANCHOR PLATE OPTION



TOP VIEW
TWO ANCHOR PLATE OPTION

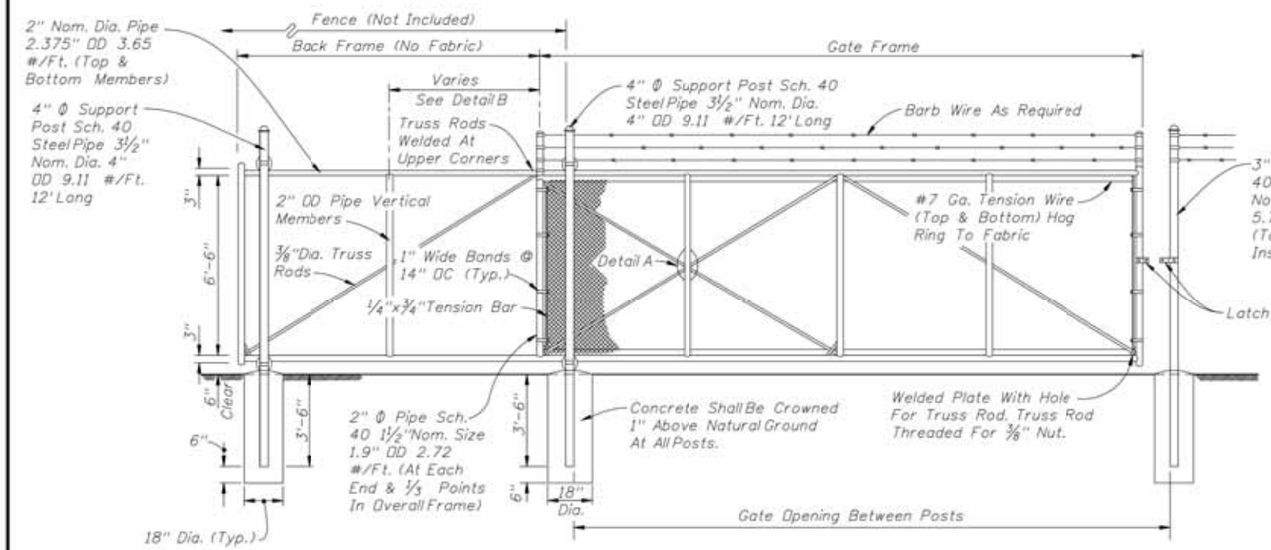
BASE PLATE AND ANCHOR NOTES:

1. Base plate identical for line, pull, end and corner posts and shall be considered an integral part of the respective posts for basis of payment.
2. Post to be plumbed by grout shim under base plate.
3. Anchors (Galvanized Steel):
   12" Cast In Place, 10½" Embedment:
   Headed Bolts, U-Bolts or Cluster Plates.
   8" Adhesive Anchors, 6" Min. Embedment.*
   *Adhesive anchors shall be headless anchor bolts set in drilled holes with an Adhesive Material System in accordance with Specification Sections 416 and 937; drilled holes shall be ⅛" larger in diameter than the anchor bolt.
   Expansion Bolts Not Permitted.

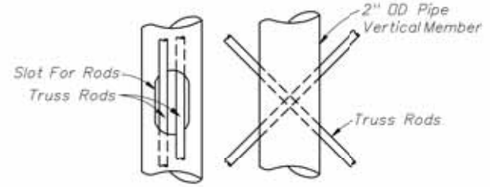
FENCE MOUNTING ON CONCRETE ENDWALL AND RETAINING WALLS

2010 FDOT Design Standards	Last Revision	Sheet No.
FENCE TYPE B	07/01/09	3 of 3
	Index No.	802

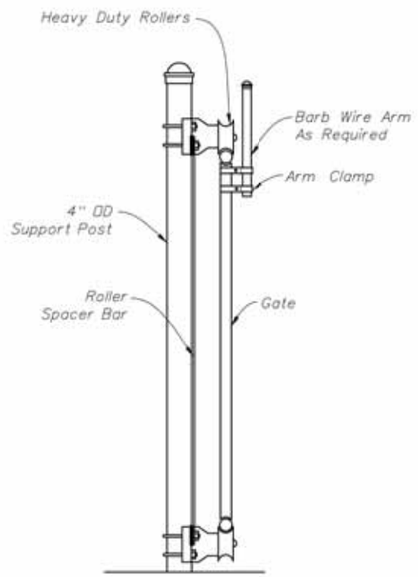
REVISIONS						TOLL FACILITIES ENGINEERING	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ELECTRONIC SECURITY GATE CENTRAL REPAIR DEPOT- MP99 FENCE DETAILS AND NOTES	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	FLORIDA'S TURNPIKE ENTERPRISE MILE POST 263 – BUILDING 5319 OCOEE, FLORIDA 34761	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		C-4
								WEST PALM BEACH			



FRONT ELEVATION

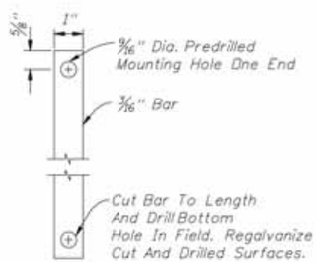


DETAIL A



SUPPORT POST DETAIL

GATE OPENING	GATE FRAME	BACK FRAME
12'	12'-3"	6'
16'	16'-3"	8'
20'	20'-3"	10'
24'	24'-3"	12'



ROLLER SPACER BAR

GENERAL NOTES

1. When approved by the Engineer the Contractor may substitute any cantilever slide gate from the fencing systems on the Qualified Products List.

   Extruded, rolled or formed components that provide equal strength and stability may be used in lieu of the pipe components shown; and, internal rollers may be used in lieu of the external roller units shown.

   Gate components shall meet or exceed the protective coatings specified on Index No. 802.

2. Steel gate frame shall be fabricated prior to galvanizing, except that truss rods may be fabricated following frame galvanizing provided surfaces damaged during welding are galvanized in accordance with Section 24 of AASHTO M36; or, fabricated from pipe components with protective coating meeting the requirements of Index No. 802 that are tolerant of welding (low burn back), and a protective coating applied to the weld and damaged pipe surfaces that is equivalent to the protective coating of the fabricated pipe stock.

3. All fabric shall be knuckled top and bottom selvages.

4. Concrete for bases shall be either Class NS concrete as specified in Section 347 of the Standard Specifications or a packaged, dry material meeting the requirements of a concrete under ASTM C-387. Materials for Class NS concrete may be proportioned by volume and/or by weight.

5. Cost of all gate components shall be included in the contract unit price for Sliding Fence Gate (Cantilever), EA.

TYPICAL FRAME – 24' Opening

TYPICAL FRAME – 12', 16' & 20' Opening

DETAIL B

2010 FDOT Design Standards

CANTILEVERED SLIDE GATE TYPE B FENCE

Last Revision: 07/01/05

Sheet No.: 1 of 1

Index No.: 803

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

TOLL FACILITIES ENGINEERING

FLORIDA'S TURNPIKE ENTERPRISE
MILE POST 263 – BUILDING 5319
OCOEE, FLORIDA 34761

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	WEST PALM BEACH	

ELECTRONIC SECURITY GATE
CENTRAL REPAIR DEPOT - MP 99
FENCE DETAILS AND NOTES

SHEET NO.: C-5

GATE NOTES:

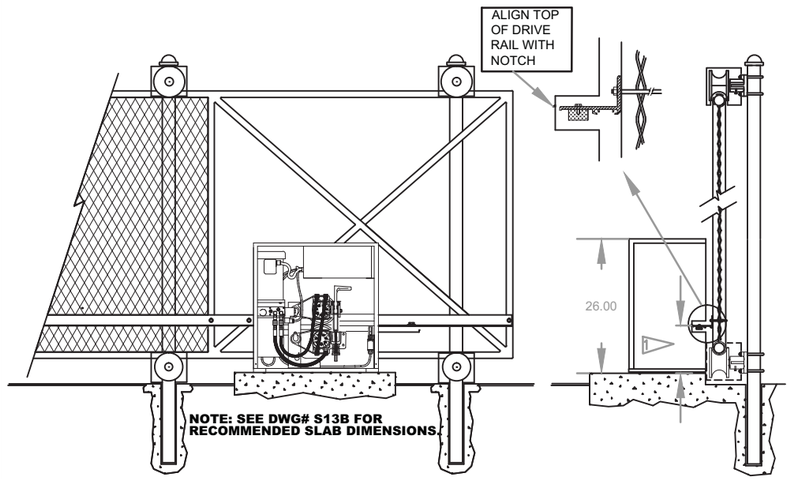
NOTES APPLICABLE TO THIS PROJECT:

1. SPECIFICATIONS GOVERNING THE GATE IS SECTION 550 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2010 EDITION AND INDEX 803 OF THE 2010 FDOT DESIGN STANDARDS

NOTES:

DRIVE RAIL HEIGHT IS MARKED ON THE SIDE OF EACH CHASSIS.

COVERS MUST BE USED FOR PROTECTION ON ALL EXPOSED WHEELS AND/OR HARDWARE. COVERS ARE SHOWN HERE AS DOTTED LINES.



ELEVATION SECTION

NOTES:

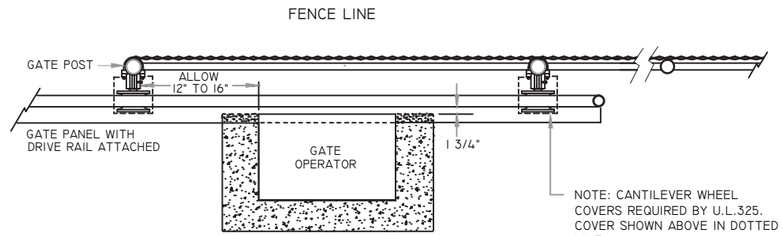
CONSULT FENCE CONTRACTOR FOR RECOMMENDED CANTILEVER POST SPACING. 50% OF GATE OPENING GENERALLY PROVIDES SMOOTH OPERATION.

RIGHT HAND CANTILEVER GATE IS SHOWN IN THE FULLY CLOSED POSITION. OPERATOR COVER OMITTED FROM DETAIL. (DO NOT SCALE).

IT MAY BE NECESSARY TO SHIM DRIVE RAIL IF GATE PANEL IS "BOWED". RAIL MUST BE INSTALLED IN A STRAIGHT LINE.

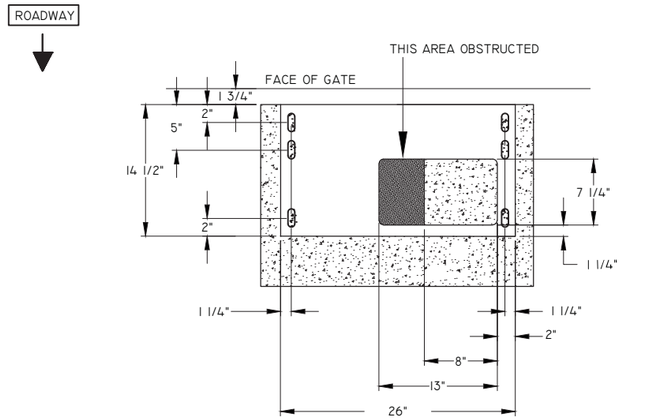
"1/2 9APPROXIMATE RAIL HEIGHT FROM PAD .FINAL ADJUSTMENT TO BE MADE PER NOTCH ON CHASSIS .

TITLE: Slide Gate Operator (typ) R.H. Cantilever Gate Panel	DRAWN: KW	DATE: 11/11/08	THIRD ANGLE PROJECTION	REV: D
	CHECKED: SHOP	DATE: MM/YY/DD	PART NUMBER: N/A	
	APPROVED: ENGRNG	DATE: MM/YY/DD	DRAWING NUMBER: S13A	SHT 1 OF 1



NOTE:

MINIMUM CONCRETE SLAB DIMENSIONS ARE:
30"WIDE, 20" FROM FRONT TO BACK AND 16" DEEP.
OPERATOR IS INSTALLED ON A CONCRETE PAD AND CONNECTED TO THE RIGHT HAND CANTILEVER GATE PANEL. 4" POSTS ARE SHOWN FOR GATE SUPPORT AND FENCE TERMINATION.



NOTE:
CONTACT A FENCE CONTRACTOR FOR EXACT SPACING ON CANTILEVER POSTS. 50% OF OPENING WIDTH GENERALLY PROVIDES A SMOOTH OPERATION.

TITLE: Slide Gate Operator (typ) R.H. Cantilever Gate Panel	DRAWN: RP	DATE: 2/21/08	THIRD ANGLE PROJECTION	REV: B
	CHECKED: SHOP	DATE: MM/YY/DD	PART NUMBER: N/A	
	APPROVED: ENGRNG	DATE: MM/YY/DD	DRAWING NUMBER: SI3B	SHT 1 OF 1

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

TOLL FACILITIES ENGINEERING
FLORIDA'S TURNPIKE ENTERPRISE
MILE POST 263 – BUILDING 5319
OCOEE, FLORIDA 34761

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	WEST PALM BEACH	

ELECTRONIC SECURITY GATE
CENTRAL REPAIR DEPOT- MP99
GATE OPERATOR DETAILS

SHEET NO.
C-6

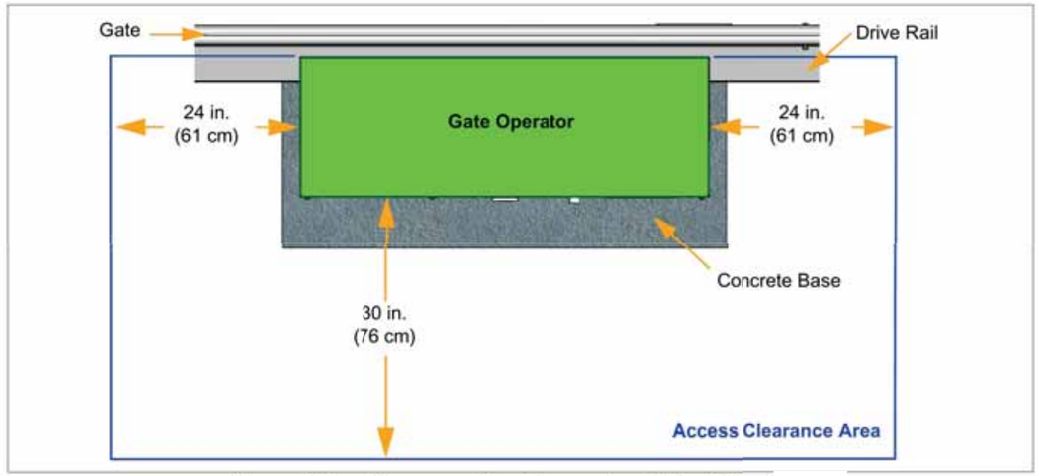
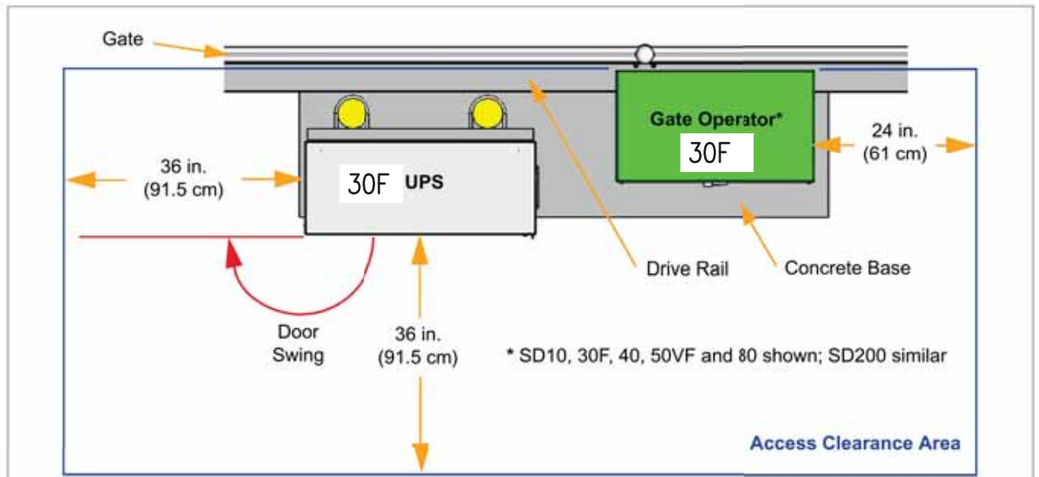


Figure 2-2. Clearance Requirements - SlideDriver 30F

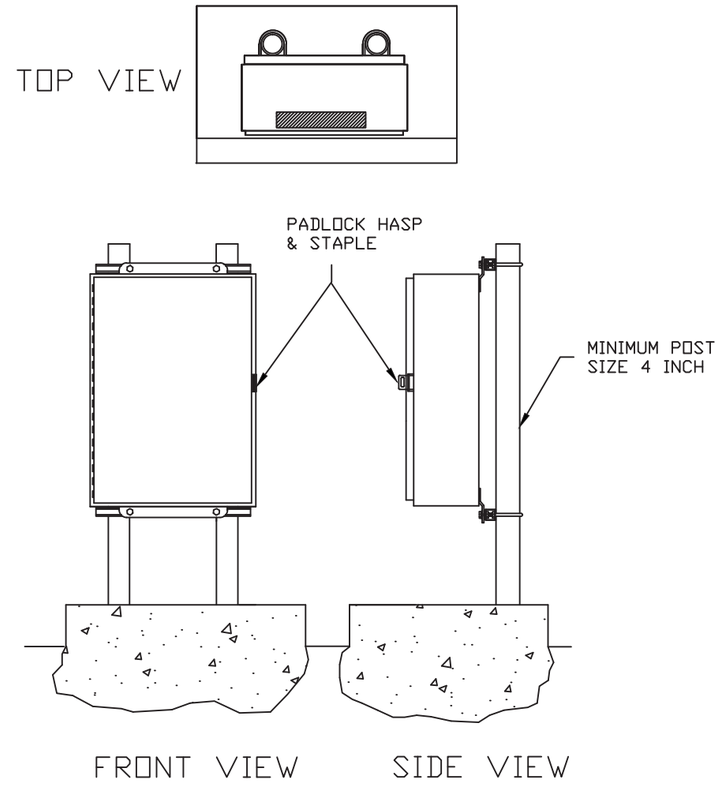


Note: If the UPS is located remote from the Gate Operator, then:

a. The access clearance requirements for the left-side and front of the UPS are as shown above but the right-side access clearance is 18 in. (45.7 cm). Also, a minimum of 24 in. (61 cm) for rear access is recommended.

CLEARANCE REQUIREMENTS – 30F UPS OPTION

LTR	DESCRIPTION	DATE	APPRV'D
A	INITIAL RELEASE	-	-



NOTE: ENCLOSURE SIZE IS 30" WIDE, 42" HIGH AND 12" DEEP.
STANDARD ENCLOSURE IS "NEMA 3R"
PUMP PANEL TO BE LOCATED WITHIN 100 FEET OF GATE OPERATOR.

NOTE: SUPPORT POSTS, STRUT CHANNELS AND "U" BOLTS ARE NOT FURNISHED BY HY-SECURITY GATE OPERATORS.

NOTE: DRAWING IS NOT TO SCALE.

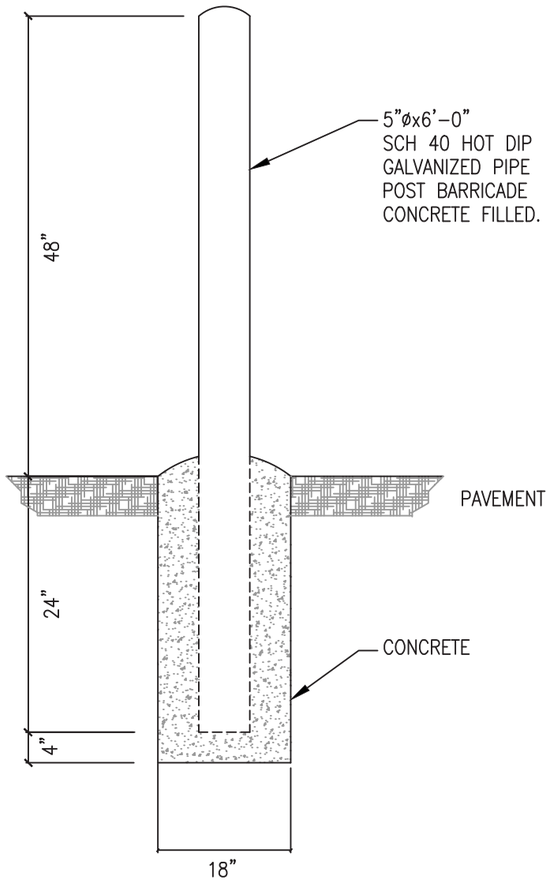
	DOCUMENT TITLE	DRAWN	DATE	DOCUMENT NUMBER:	REV
HySecurity Kent, Washington	30F UPS PACKAGE ENCLOSURE	KERI	06/15/00	G39	A
		CHECKED –	DATE –		
		APPROVED –	DATE –	THIRD ANGLE PROJECTION	SHT 1 OF 1

GATE NOTES:

NOTES APPLICABLE TO THIS PROJECT:

1. SPECIFICATIONS GOVERNING THE GATE IS SECTION 550 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2010 EDITION AND INDEX 803 OF THE 2010 FDOT DESIGN STANDARDS

REVISIONS						TOLL FACILITIES ENGINEERING	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ELECTRONIC SECURITY GATE CENTRAL REPAIR DEPOT- MP99 REMOTE UPS ENCLOSURE DETAILS	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	FLORIDA'S TURNPIKE ENTERPRISE MILE POST 263 – BUILDING 5319 OCOEE, FLORIDA 34761	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		C-7
								WEST PALM BEACH			



NOTES:
1. POST BARRICADES SHALL BE PAINTED WITH ONE PRIME COAT OF RED OXIDE PRIMER AND THEN ONE FINISH COAT OF SAFETY YELLOW ENAMEL PAINT.

1 BOLLARD DETAIL
NTS

2 ACCESS CONTROL STATION
NTS

JAMES E. VICK, P.E.
FLORIDA LICENSE No.: 39901

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS
2001 NW 107th Avenue
Miami, FL 33172-2507
Certificate of Authorization No. AA 000723

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	WEST PALM BEACH	

ELECTRONIC SECURITY GATE
CENTRAL REPAIR DEPOT- MP99
BOLLARD DETAIL

SHEET NO.
C-8