

ORDINANCE NO. 530

**AN ORDINANCE AMENDING ORDINANCE 242, ARTICLE III
“SUBDIVISION REGULATIONS,” SECTION 3.02.00 “SIDEWALKS,”
REPEALING ALL ORDINANCES OR SECTIONS OF ORDINANCES IN
CONFLICT, AND PROVIDING AN EFFECTIVE DATE.**

WHEREAS, the City Council has determined that it is in the best interests of the people of the City of Mexico Beach that this ordinance be enacted, therefore,

BE IT ORDAINED BY THE CITY COUNCIL OF MEXICO BEACH, FLORIDA:

Section 1. Article III, Section 3.02.00 “SIDEWALKS,” Subsection A “When Required” Page 58 of the City of Mexico Beach Land Development Regulations dated May 21, 1991, is amended to include the following:

7. Sidewalks shall be included in the plans for all new construction on parcels located along Hwy. 98, 15th Street, and 7th Street which correspond with the “City of Mexico Beach FDOT Sidewalk Master Plan” dated October 30, 2006 (see Attachment “A”). These sidewalks will parallel the route of those respective streets and are in addition to any sidewalks required by other sections of the City of Mexico Beach Land Development Regulations.
8. Individuals applying for the installation of sidewalks on developed property (ie., where sidewalks will be the only new construction) will be required to submit an “Application for a Sidewalk Permit” to the City of Mexico Beach; there will be no charge or fee associated with this permit. The requirements for permits from other agencies and the design and construction standards established below will still apply.

Section 2. Article III, Section 3.02.00 “SIDEWALKS,” Subsection C “Design and Construction Standards” Page 58 of the City of Mexico Beach Land Development Regulations is amended follows:

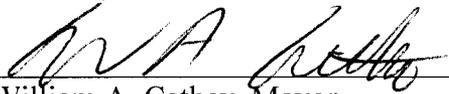
Design and construction of sidewalks, bikeways, or other footpaths shall be designed and constructed with pavers or commercial-grade, reinforced concrete with a minimum width of six (6) feet and minimum thickness of four (4) inches. In all other regards, the construction shall be in compliance with the standards in the Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways, published by the Florida Department of Transportation.

Section 3. All ordinances or parts of ordinances thereof in conflict with the provisions of this ordinance are hereby repealed.

Section 4. This ordinance shall take effect upon passage.

INTRODUCED at the Regular Meeting of the City Council on the 12th day of December, 2006. Adopted at the Regular Meeting of the City Council on the 9th day of January, 2006.

CITY OF MEXICO BEACH, FLORIDA

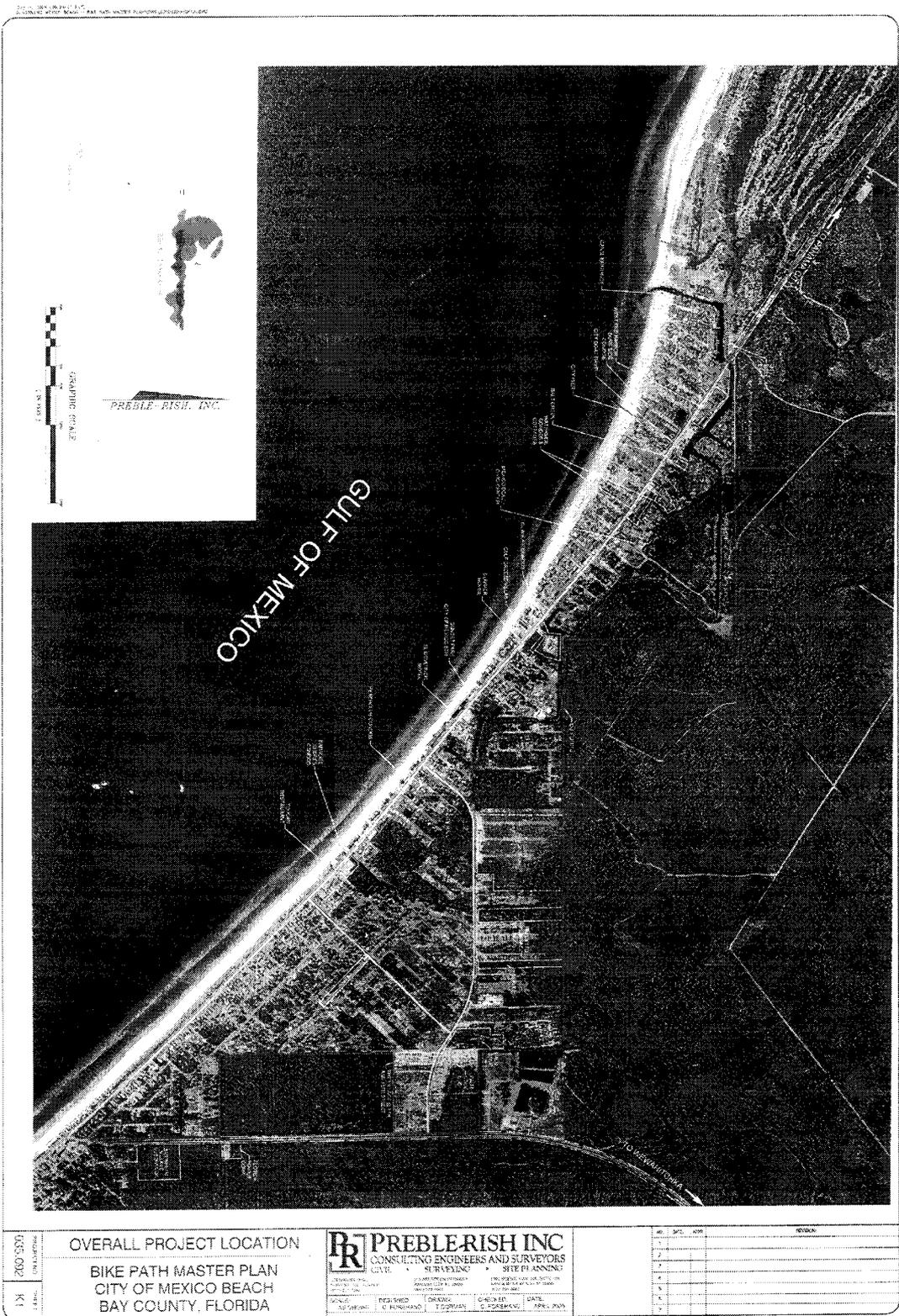


William A. Cathey, Mayor

ATTEST:



Deborah A. McLeod, City Clerk



005.002
K1

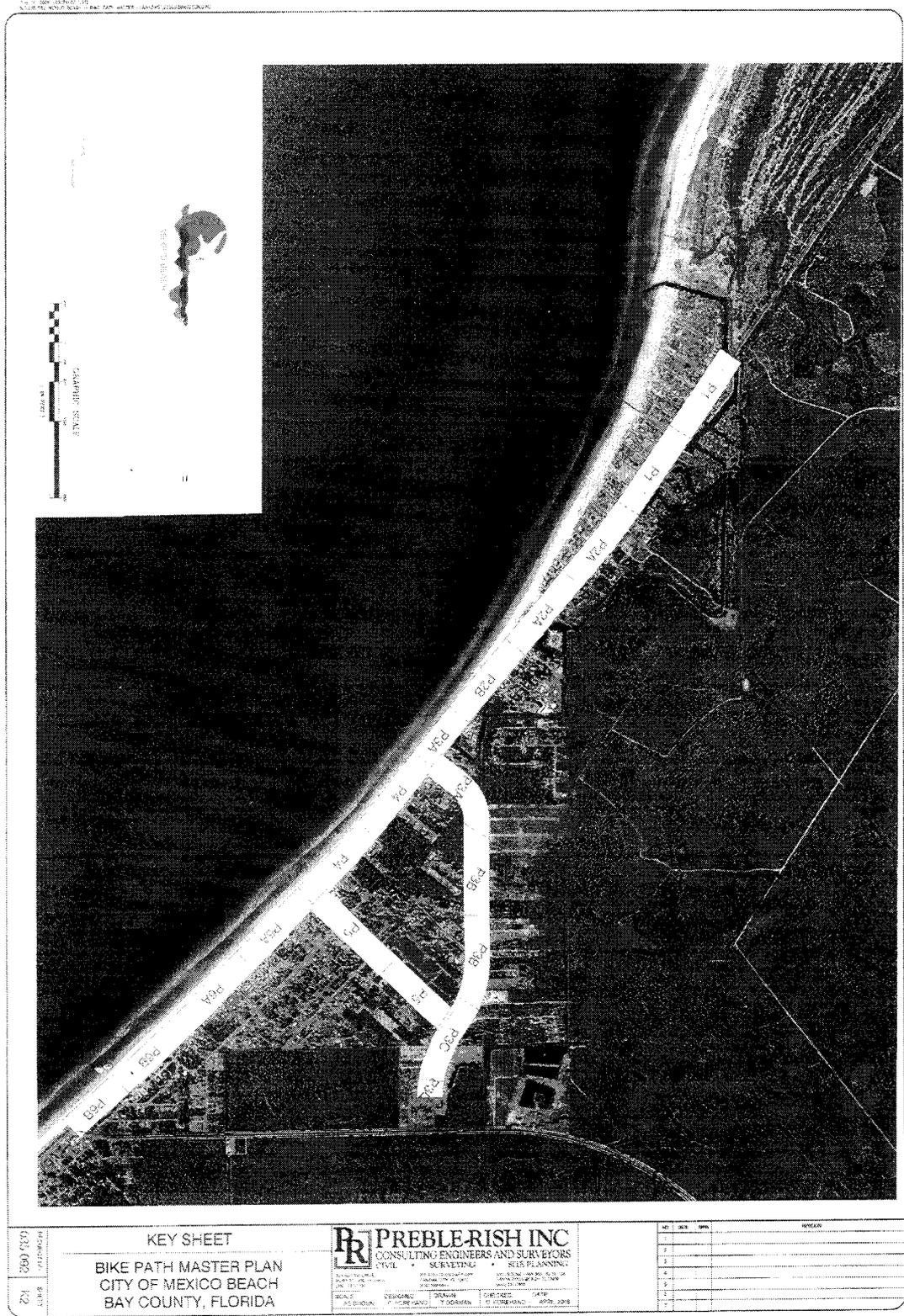
OVERALL PROJECT LOCATION
BIKE PATH MASTER PLAN
CITY OF MEXICO BEACH
BAY COUNTY, FLORIDA

PREBLE-RISH INC.
CONSULTING ENGINEERS AND SURVEYORS
SURVEYING • SITE PLANNING

OWNER: CITY OF MEXICO BEACH
PROJECT NO.: 005.002
DATE: APR. 2006

DESIGNED BY: C. RICHMOND
DRAWN BY: T. TORRES
CHECKED BY: C. RICHMOND
DATE: APR. 2006

NO.	DATE	DESCRIPTION
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3		
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9		
10		



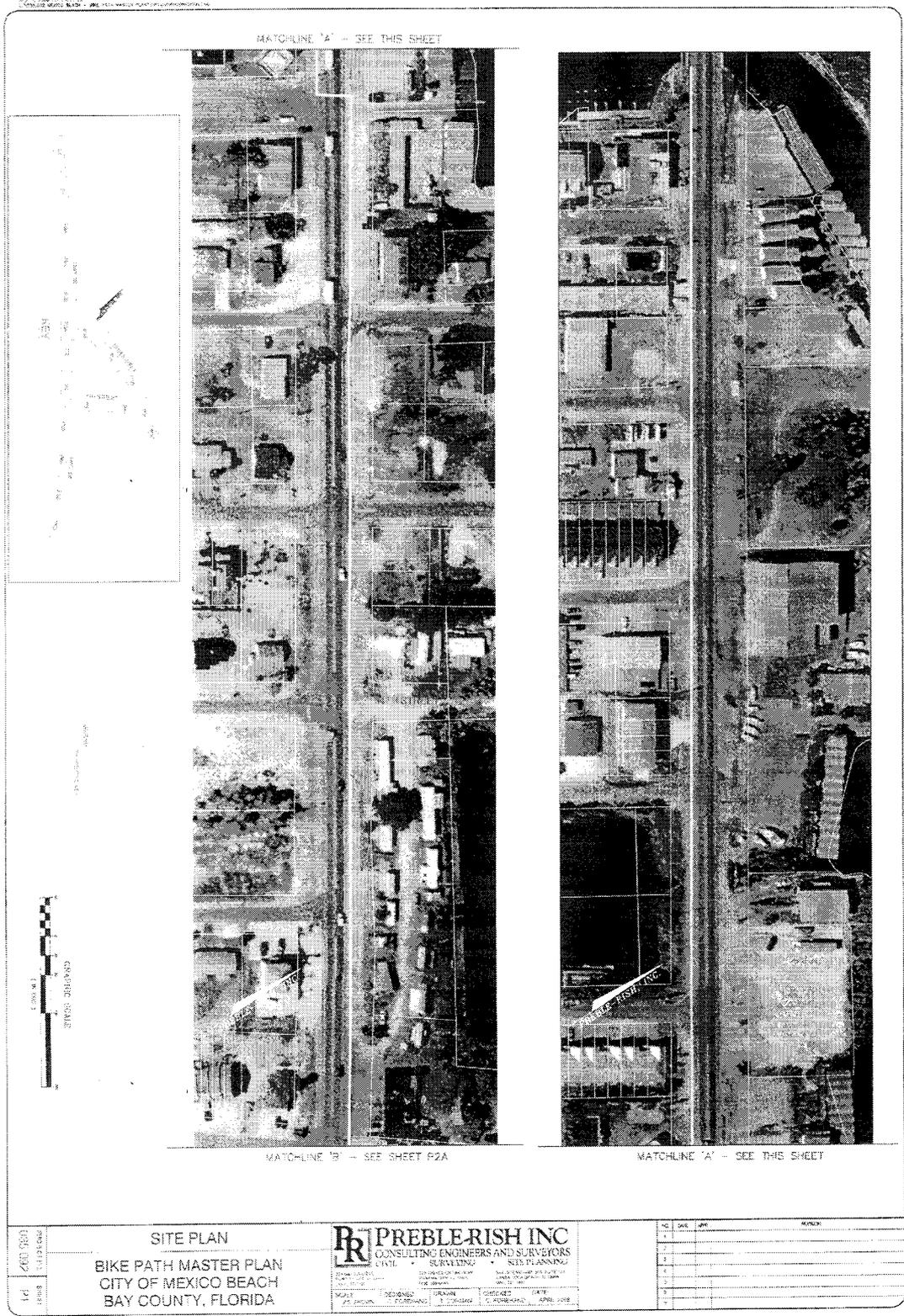
PREBLE-RISH INC
CONSULTING ENGINEERS AND SURVEYORS
CIVIL • SURVEYING • SITE PLANNING

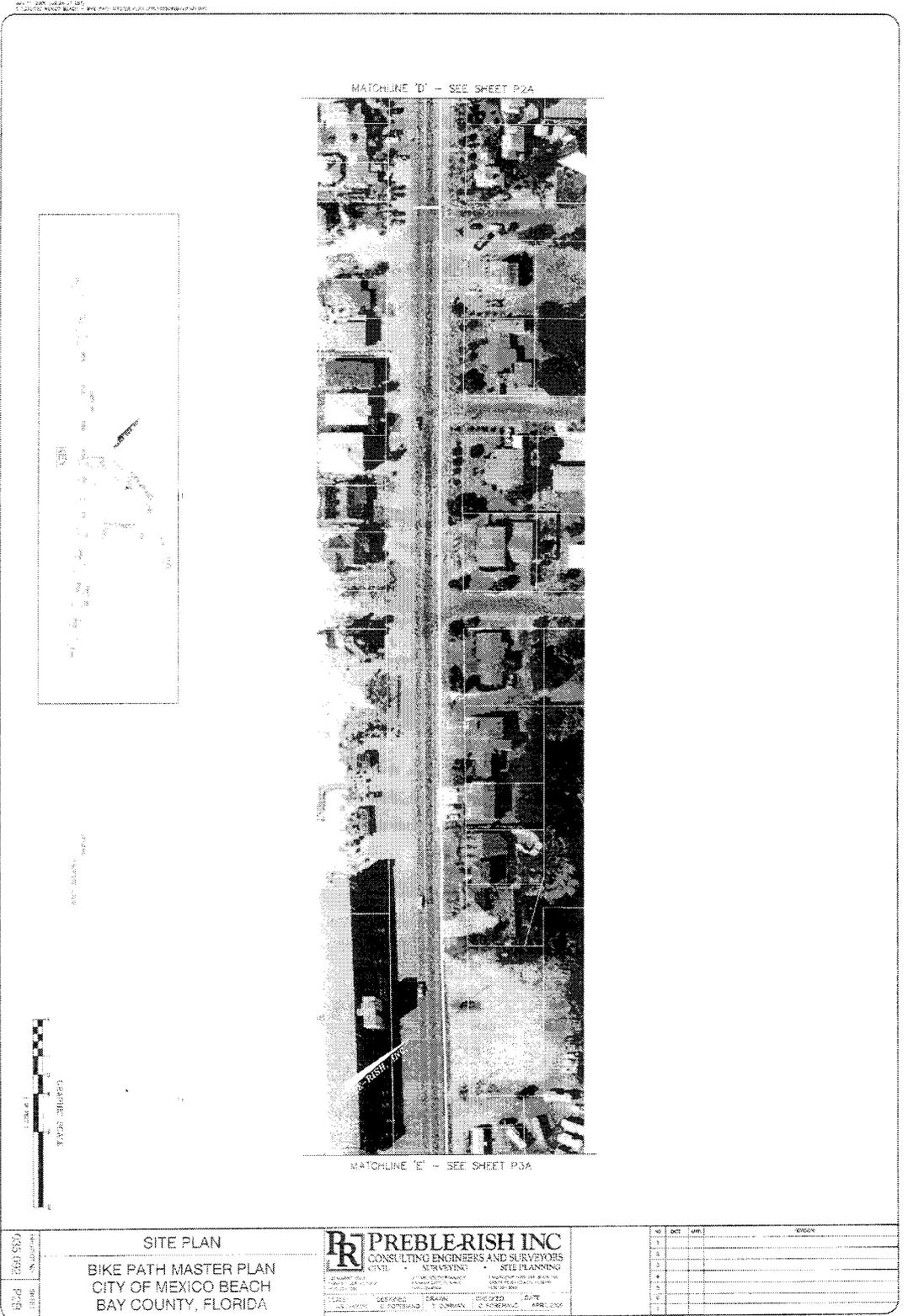
1000 W. UNIVERSITY BLVD., SUITE 100
MARIETTA, GA 30067
PHONE: 770.427.1100
FAX: 770.427.1101
WWW.PREBLE-RISH.COM

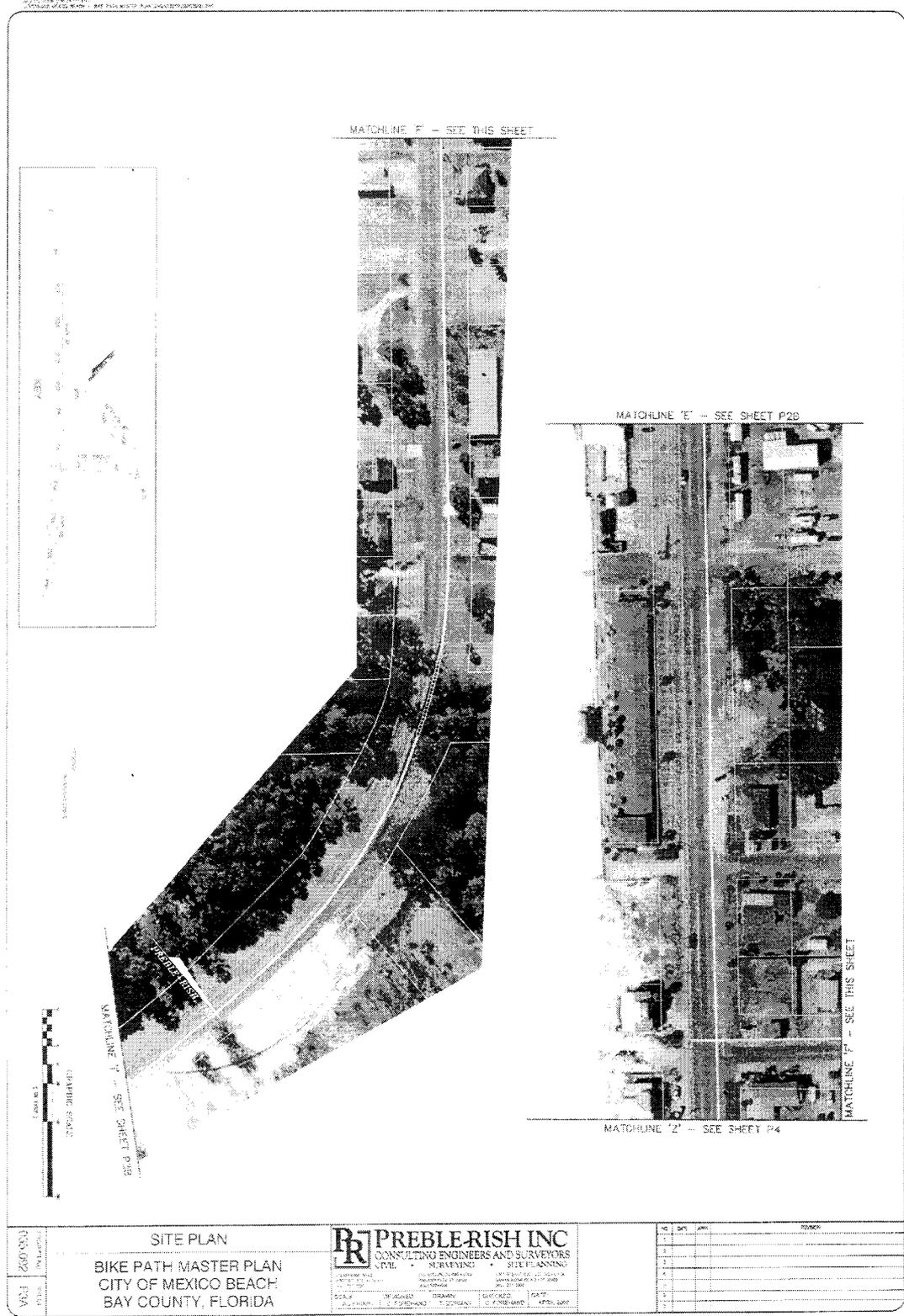
PROJECT: BIKE PATH MASTER PLAN
DESIGNED BY: T. GORMAN
CHECKED BY: T. GORMAN
DATE: 05/20/06

NO.	DATE	REVISION
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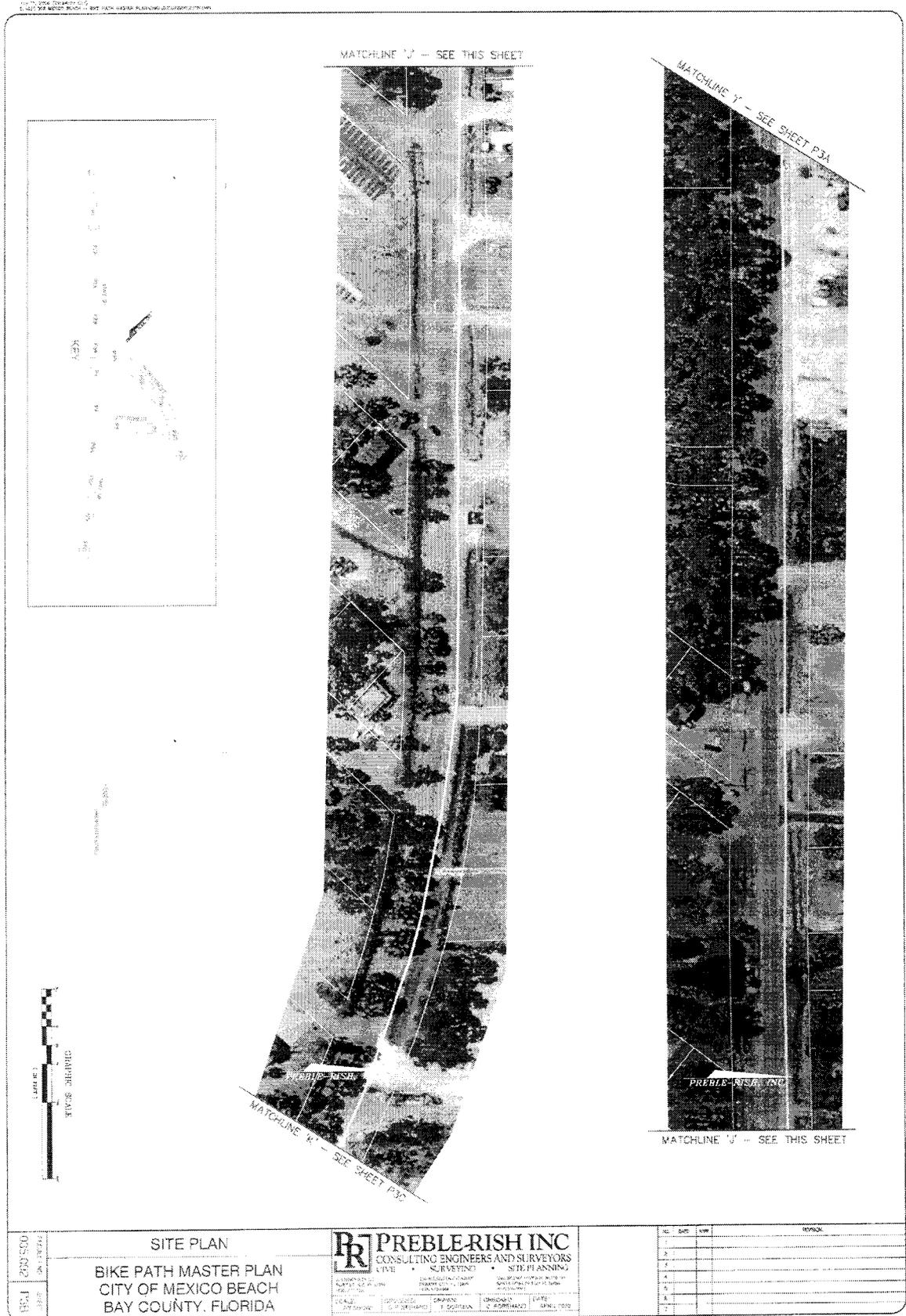
DATE PLOTTED: 05/20/06 10:52 AM
SCALE: AS SHOWN
SHEET NO. 12





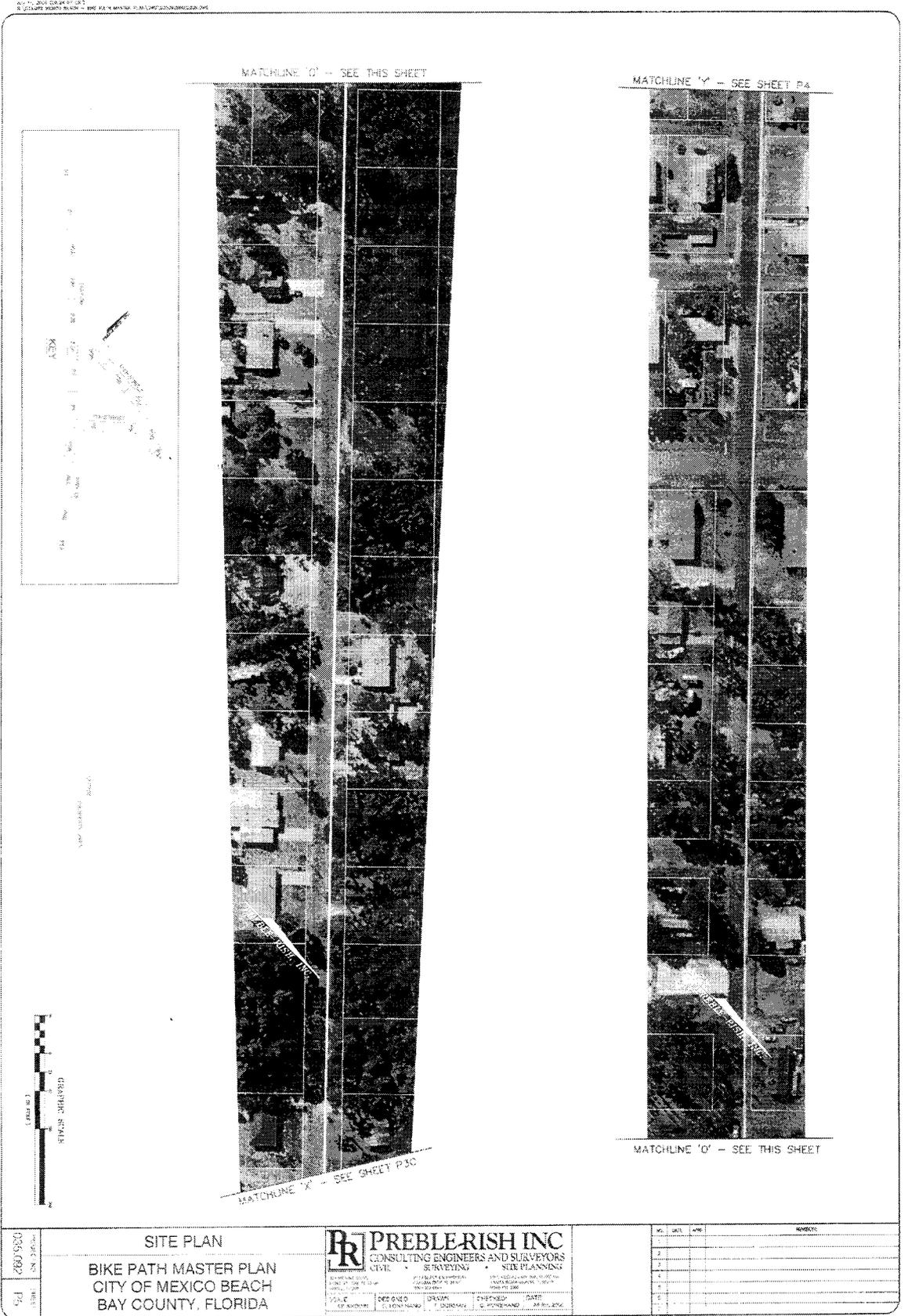


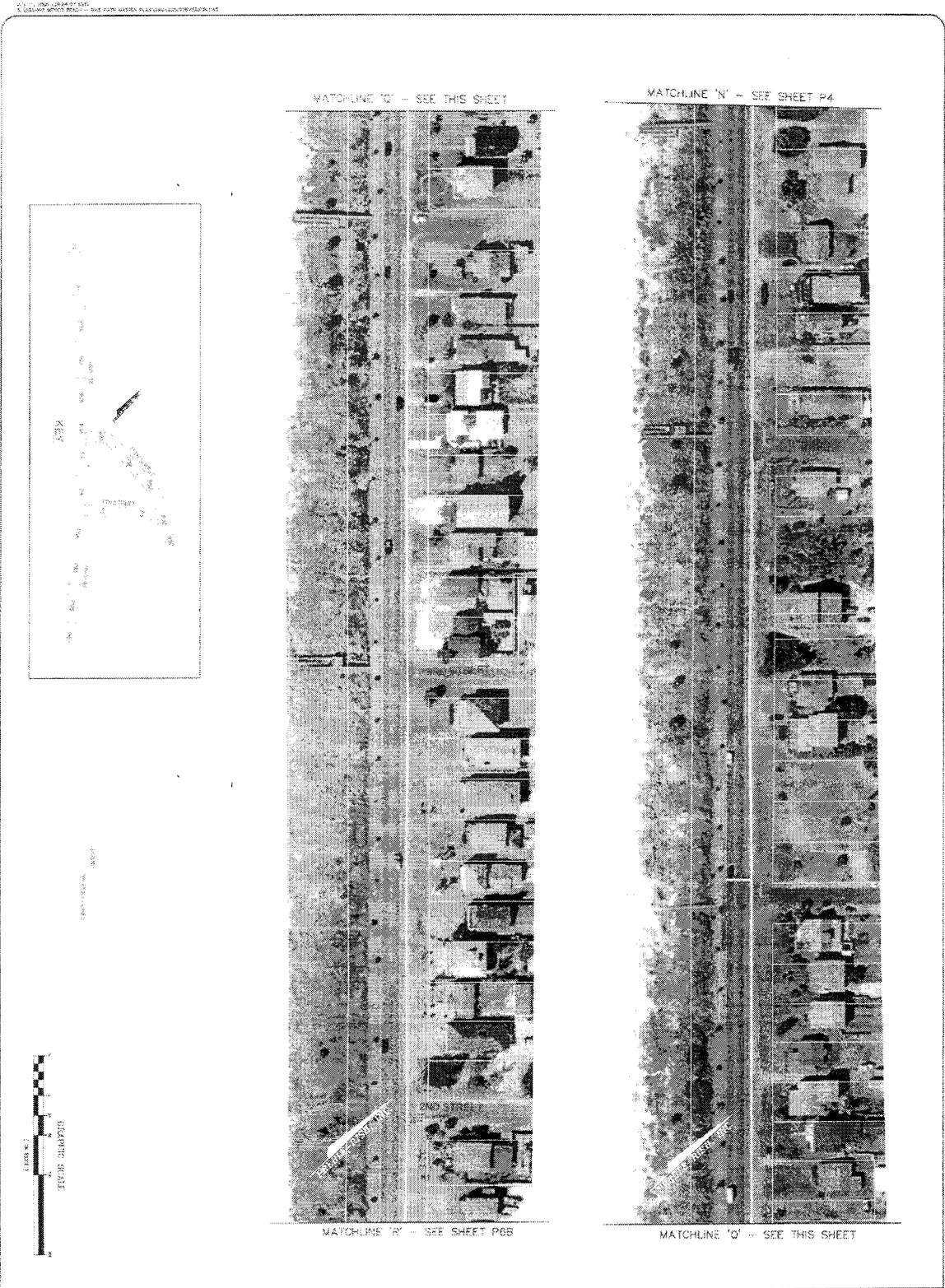
033-092 PREBLE-RISH INC. CIVIL ENGINEERS AND SURVEYORS	SITE PLAN BIKE PATH MASTER PLAN CITY OF MEXICO BEACH BAY COUNTY, FLORIDA		PREBLE-RISH INC. CONSULTING ENGINEERS AND SURVEYORS CIVIL ENGINEERING SURVEYING SITE PLANNING 1000 W. 10TH STREET SUITE 100 GULF BEACH, FLORIDA 32561 PHONE: 904.241.1100 FAX: 904.241.1101 WWW.PREBLE-RISH.COM	NO.	DATE	REVISION



DATE: 055.05.02	1/25/01	SITE PLAN		PREBLE-RISH INC		CONSULTING ENGINEERS AND SURVEYORS		A • CIVIL • SURVEYING • SITE PLANNING	
PROJECT: BIKE PATH MASTER PLAN		CITY OF MEXICO BEACH		BAY COUNTY, FLORIDA		DRAWN BY: J. B. BISHOP		CHECKED BY: T. S. BISHOP	
SCALE: AS SHOWN		DATE: 05/05/01		DATE: 05/05/01		DATE: 05/05/01		DATE: 05/05/01	
PROJECT NO: 055.05.02		SHEET NO: 1/25/01		TOTAL SHEETS: 1/25/01		DATE: 05/05/01		DATE: 05/05/01	







DATE	PROJECTED	SCALE	SHEET	NO.	REV.	REASON
	DATE					
06/22/06	06/22/06	1"=100'	1	1		
06/22/06	06/22/06	1"=100'	2	2		
06/22/06	06/22/06	1"=100'	3	3		
06/22/06	06/22/06	1"=100'	4	4		
06/22/06	06/22/06	1"=100'	5	5		
06/22/06	06/22/06	1"=100'	6	6		
06/22/06	06/22/06	1"=100'	7	7		

SITE PLAN
BIKE PATH MASTER PLAN
CITY OF MEXICO BEACH
BAY COUNTY, FLORIDA

PREBLE-RISH INC
 CONSULTING ENGINEERS AND SURVEYORS
 CIVIL • SURVEYING • SITE PLANNING

1100 W. UNIVERSITY AVENUE, SUITE 200
 GAINESVILLE, FLORIDA 32609
 PHONE: 352-371-1111 FAX: 352-371-1112
 WWW.PREBLE-RISH.COM

DATE: 06/22/06
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DESIGNED BY: [Name]



PERMIT # _____

PERMIT
SIDEWALK INSTALLATION
CITY OF MEXICO BEACH

Owner's Name: _____ Applicant's Name: _____

Address: _____ Address: _____

Phone: _____ Phone: _____

Street Address of Project: _____ Parcel ID #: _____

Length of Proposed Sidewalk: _____

Type of Material: Concrete _____ Pavers _____ Other _____

Does this sidewalk project comply with the
City of Mexico Beach Sidewalk Master Plan: Yes _____ No _____

Has a Florida DOT Use Permit been issued*: Yes _____ No _____

* Note: Permit required only along Hwy 98, see attached if necessary

- A site plan is required to be submitted along with this form. The site plan shall show the size of the property, the entire residential structure including porches and decks, all other structures including storage buildings, and all concrete or paved areas. All areas shown will be required to show accurate measurements so that square footages can be calculated.

I hereby attest to the information that I have provided is true and correct and affirm I intend to install the sidewalk as required by City Code and the Florida DOT "Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways." I further understand that a violation of the code could result in fines and removal of the sidewalk that is in violation.

Owner's Signature: _____ Print: _____

Date Applied: _____

CITY USE BELOW THIS LINE

APPROVED: YES _____ NO _____ EXPLANATION: _____

Signature/Title of City Official: _____ Date: _____

Signature of Code Enforcement: _____ Date: _____



Florida Department of Transportation

**JEB BUSH
GOVERNOR**

3633 Hwy 390
Panama City, FL 32405
(850) 872-4490

**DENVER J. STUTLER, JR.
SECRETARY**

SIDEWALK WITH D.O.T. RIGHT-OF-WAY

Your plan will need to comply with current Design Standards such as:

1. Sidewalk needs to be at the back of the right-of-way, or in a curb and gutter section 2' behind curb and gutter, unless sidewalk is 6' or greater then it can go directly behind curb and gutter.
2. The minimum width of 6', with .02 cross slope and a maximum 1:12 longitudinal slope.
3. 4" thickness or 6" in a driveway, level with the top of curb.
4. Any drop off of 10" or more and slope steeper than 1:1 will require handrails.
5. Handicap ramps will be required for sidewalk intersecting with a road or street. Need to review FDOT Standard Index # 304 and Section 527 of the Standard Specifications for Road and Bridge Construction, for the requirements of the truncated domes. (see attached)

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

FORM 710-010-85
UTILITIES
OGC - 08/04

USE PERMIT

PERMIT NO.:		SECTION NO.:		STATE ROAD		COUNTY	
FDOT construction is proposed or underway.				<input type="checkbox"/> Yes		<input type="checkbox"/> No	
Is this work related to an approved Utility Work Schedule?				<input type="checkbox"/> Yes		<input type="checkbox"/> No	
PERMITTEE:				Financial Project ID:			
ADDRESS:				If yes, Document Number:			
CITY/STATE/ZIP:				TELEPHONE NUMBER: () -			
The above PERMITTEE requests permission from the State of Florida Department of Transportation, hereinafter called the FDOT, to construct, operate and maintain the following:							
FROM:				TO:			
Submitted for the PERMITTEE by:				Name and Title (Typed or Printed Legibly)		Signature	
						Date	

- The Permittee declares that prior to filing this application, the location of all existing utilities that it owns or has an interest in, both aerial and underground, are accurately shown on the plans and a letter of notification was mailed on _____ to the following utilities known to be involved or potentially impacted in the area of the proposed installation: _____
- The local Maintenance or Resident Engineer, hereafter referred to as the FDOT Engineer, shall be notified a minimum of forty eight (48) hours in advance prior to starting work and again immediately upon completion of work. The FDOT's Engineer is _____, located at _____, Telephone Number _____. The Permittee's employee responsible for MOT is _____, Telephone Number _____. (This name may be provided at the time of the forty eight (48) hour advance-notice prior to starting work).
- All work, materials, and equipment shall be subject to inspection and approval by the FDOT Engineer.
- All plans and installations shall conform to the requirements of the FDOT's UAM in effect as of the date this permit is approved by FDOT, and shall be made a part of this permit. This provision shall not limit the authority of the FDOT under Paragraph 8 of this Permit.
- This Permittee shall commence actual construction in good faith within _____ days after issuance of permit, and shall be completed within _____ days after the permitted work has begun. If the beginning date is more than sixty (60) days from the date of permit approval, the Permittee must review the permit with the FDOT Engineer to make sure no changes have occurred to the Transportation Facility that would affect the permitted construction.
- The construction and maintenance of such utility shall not interfere with the property and rights of a prior Permittee.
- It is expressly stipulated that this permit is a license for permissive use only and that the placing of utilities upon public property pursuant to this permit shall not operate to create or vest any property right in said holder, except as provided in executed subordination and Railroad Utility Agreements.
- Pursuant to Section 337.403(1), Florida Statutes, any utility placed upon, under, over, or along any public road or publicly owned rail corridor that is found by FDOT to be unreasonably interfering in any way with the convenient, safe, or continuous use, or maintenance, improvement, extension, or expansion, of such public road or publicly owned rail corridor shall, upon thirty (30) days written notice to the utility or its agent by FDOT, be removed or relocated by such utility at its own expense except as provided in paragraphs (a) and (b), and except for reimbursement rights set forth in previously executed subordination and Railroad Utility Agreements, and shall apply to all successors and assigns for the permitted facility.
- It is agreed that in the event the relocation of said utilities are scheduled to be done simultaneously with the FDOT's construction work, the Permittee will coordinate with the FDOT before proceeding and shall cooperate with the FDOT's contractor to arrange the sequence of work so as not to delay the work of the FDOT's contractor, defend any legal claims of the FDOT's contractor due to delays caused by the Permittee's failure to comply with the approved schedule, and shall comply with all provisions of the law and the FDOT's current UAM. The Permittee shall not be responsible for delay beyond its control.
- In the case of non-compliance with the FDOT's requirements in effect as of the date this permit is approved, this permit is void and the facility will have to be brought into compliance or removed from the R/W at no cost to the FDOT, except for reimbursement rights set forth in previously executed subordination and Railroad Utility Agreements. This provision shall not limit the authority of the FDOT under Paragraph 8 of this Permit.
- It is understood and agreed that the rights and privileges herein set out are granted only to the extent of the State's right, title and interest in the land to be entered upon and used by the Permittee, and the Permittee will, at all times, and to the extent permitted by law, assume all risk of and indemnify, defend, and save harmless the State of Florida and the FDOT from and against any and all loss, damage, cost or expense arising in any manner on account of the exercise or attempted exercises by said Permittee of the aforesaid rights and privileges.
- During construction, all safety regulations of the FDOT shall be observed and the Permittee must take measures, including placing and the display of safety devices that may be necessary in order to safely conduct the public through the project area in accordance with the Federal MUTCD, as amended for highways, the requirements of the Standard Application Package for railways, including flagging services and Railroad Protective Insurance or acceptable alternative, when applicable, and the FDOT's Design Standards, Indexes 600-670, and Standard Specifications for Road and Bridge Construction, Section 102, as amended by the UAM. When a Utility deems it necessary to conduct Traffic Control activities and methods significantly different from those addressed in the above references, the Utility must submit an alternative plan signed and sealed by a licensed Florida professional engineer qualified to develop TCP in accordance with the provisions of Chapter 8 of the UAM.
- Should the Permittee be desirous of keeping its utilities in place and out of service, the Permittee, by execution of this permit acknowledges its present and continuing ownership of its utilities located between _____ and _____ within the FDOT's R/W as set forth above. Whenever the Permittee removes its facilities, it shall be at the Permittee's sole cost and expense. The Permittee, at its sole expense, shall promptly remove said out of service utilities whenever the FDOT determines said removal is in the public interest.
- In the event contaminated soil is encountered by the Utility or anyone within the permitted construction limits, the Utility shall immediately cease work and notify the FDOT. The FDOT shall coordinate with the appropriate agencies and notify the Permittee of any suspension or revocation of the permit until contamination assessment and remediation, as appropriate under Rule Chapters 62-770 and 62-730 Florida Administrative Code, has progressed to a state that all environmental regulatory agencies having jurisdiction have approved the site of the contamination for resumption of work.
- For any excavation, construction, maintenance, or support activities performed by or on behalf of the FDOT, within its R/W, the Permittee may be required by the FDOT or its agents to perform the following activities with respect to a Permittee's facilities: physically expose or direct exposure of underground facilities, provide any necessary support to facilities and/or cover aerial facilities as deemed necessary.
- Pursuant to Section 337.401(2), Florida Statutes, the permit shall require the permit holder to be responsible for damage resulting from the issuance of the permit. The FDOT may initiate injunctive proceedings as provided in s. 120.89 to enforce provisions of this subsection or any rule or order issued or entered

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

FORM 710-010-85
UTILITIES
OGC - 08/04

USE PERMIT

Into pursuant thereto.

- 17. Pursuant to Section 337.402, Florida Statutes, when any public road or publicly owned rail corridor is damaged or impaired in any way because of the installation, inspection, or repair of a utility located on such road or publicly owned rail corridor, the owner of the utility shall, at his or her own expense, restore the road or publicly owned rail corridor to its original condition before such damage. If the owner fails to make such restoration, the authority is authorized to do so and charge the cost thereof against the owner under the provisions of s.337.404.
- 18. The Permittee shall comply with all provisions of Chapter 556, Florida Statutes, Underground Facilities Damage Prevention and Safety Act.
- 19. Special FDOT instructions: _____

It is understood and agreed that commencement by the Permittee is acknowledgment and acceptance of the binding nature of all the above listed permit conditions and special instructions.

- 20. Receipt of this permit acknowledges responsibility to comply with Section 119.07(3), Florida Statutes, and UAM Chapter 4.5.2, regarding Exempt Documents and Security System Plans Requests.
- 21. By the below signature, the Permittee hereby represents that no change to the FDOT's standard Utility Permit form, as incorporated by reference into Rule 14-46.001, for this Utility Permit has been made which has not been previously called to the attention of the FDOT (and signified to by checking the appropriate box below) by a separate attached written document showing all changes and the written and dated approval of the FDOT Engineer. Are there attachments reflecting change/s to the standard form? NO YES If Yes, _____ pages are attached.

PERMITTEE		SIGNATURE		DATE:	
	Name & Title of Authorized Permittee or Agent (Typed or Printed Legibly)				
APPROVED BY:				ISSUE DATE:	
	District Maintenance Engineer or Designee				

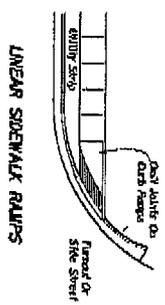
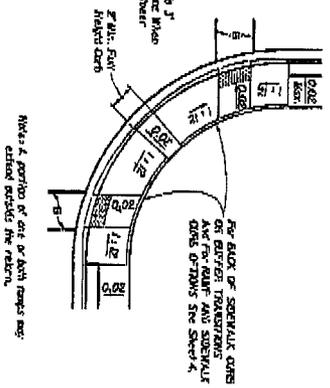
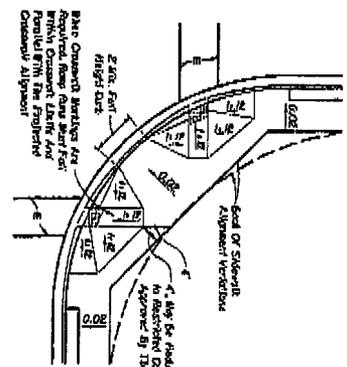
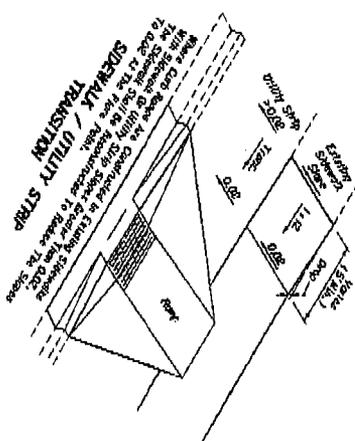
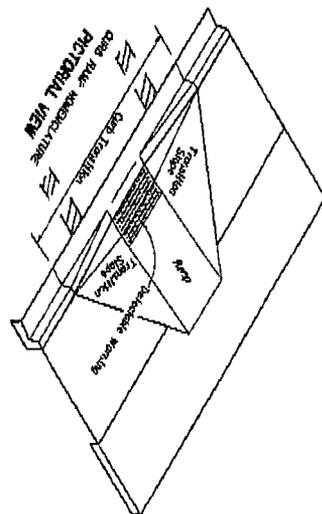
UTILITY PERMIT FINAL INSPECTION CERTIFICATION

DATE:	
DATE WORK STARTED:	
DATE WORK COMPLETED:	
INSPECTED BY:	
(Permittee or Agent)	
CHANGE APPROVED BY:	DATE:
District Maintenance Engineer or Designee	

I the undersigned Permittee do hereby CERTIFY that the utility construction approved by the above numbered permit was inspected and installed in accordance with the approved plans made a part of this permit and in accordance with the FDOT's current UAM. All plan changes have been approved by the FDOT's Engineer and are attached to this permit. I also certify that the work area has been left in as good or better condition than when the work was begun.

PERMITTEE:	SIGNATURE:	DATE:
Name & Title of Authorized Permittee or Agent (Typed or Printed Legibly)		

CC: District Permit Office
Permittee



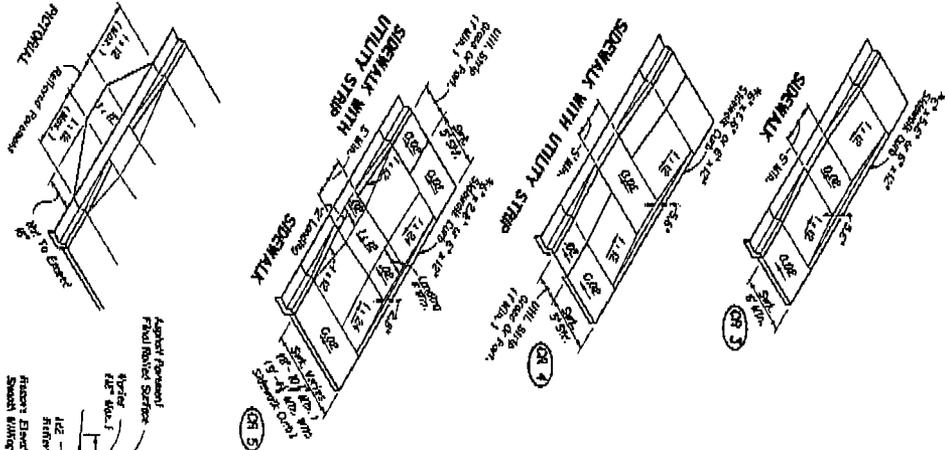
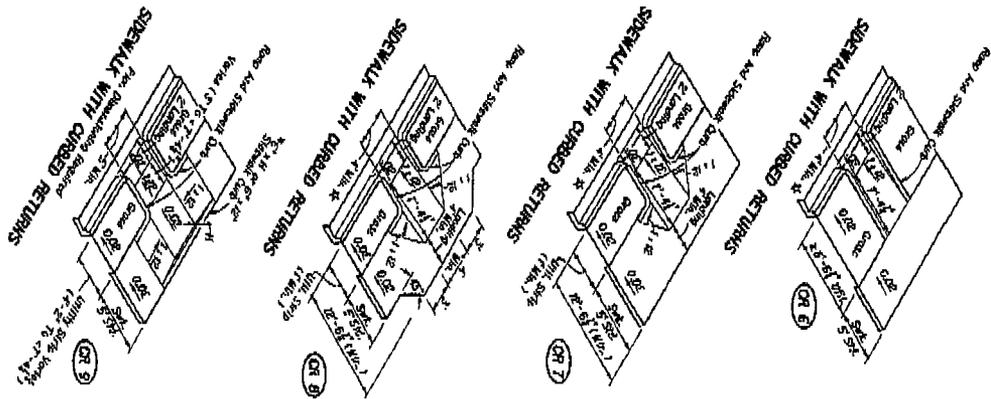
TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS

	2008 FOOT DESIGN STANDARDS	
	PUBLIC SIDEWALK CURB RAMPS	
List Section 07/01/08 1 of 6	Sheet No. 304	

NO CONCRETE DOMES.

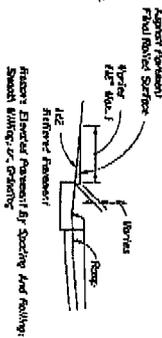
GENERAL NOTES

1. Public sidewalk curb ramps shall be constructed in the public right-of-way of residential, commercial, and industrial areas. Curb ramps shall be constructed in accordance with the Florida Department of Transportation Manual of Uniform Traffic Control Devices (MUTCD) and Florida Department of Transportation Standard Specifications for Road and Bridge Construction. Curb ramps shall be constructed in accordance with the Florida Department of Transportation Manual of Uniform Traffic Control Devices (MUTCD) and Florida Department of Transportation Standard Specifications for Road and Bridge Construction. Curb ramps shall be constructed in accordance with the Florida Department of Transportation Manual of Uniform Traffic Control Devices (MUTCD) and Florida Department of Transportation Standard Specifications for Road and Bridge Construction.
2. The location and orientation of curb ramps shall be as shown on the plans.
3. Curb ramps shall be constructed in accordance with the Florida Department of Transportation Manual of Uniform Traffic Control Devices (MUTCD) and Florida Department of Transportation Standard Specifications for Road and Bridge Construction. Curb ramps shall be constructed in accordance with the Florida Department of Transportation Manual of Uniform Traffic Control Devices (MUTCD) and Florida Department of Transportation Standard Specifications for Road and Bridge Construction.
4. If a curb ramp is located where pedestrian and vehicle traffic will cross, the curb ramp shall be constructed in accordance with the Florida Department of Transportation Manual of Uniform Traffic Control Devices (MUTCD) and Florida Department of Transportation Standard Specifications for Road and Bridge Construction. Curb ramps shall be constructed in accordance with the Florida Department of Transportation Manual of Uniform Traffic Control Devices (MUTCD) and Florida Department of Transportation Standard Specifications for Road and Bridge Construction.
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7. All construction shall be in accordance with the Florida Department of Transportation Manual of Uniform Traffic Control Devices (MUTCD) and Florida Department of Transportation Standard Specifications for Road and Bridge Construction. Curb ramps shall be constructed in accordance with the Florida Department of Transportation Manual of Uniform Traffic Control Devices (MUTCD) and Florida Department of Transportation Standard Specifications for Road and Bridge Construction.
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10. All construction shall be in accordance with the Florida Department of Transportation Manual of Uniform Traffic Control Devices (MUTCD) and Florida Department of Transportation Standard Specifications for Road and Bridge Construction. Curb ramps shall be constructed in accordance with the Florida Department of Transportation Manual of Uniform Traffic Control Devices (MUTCD) and Florida Department of Transportation Standard Specifications for Road and Bridge Construction.

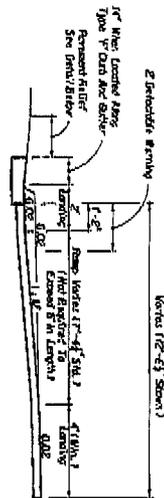


PAVEMENT RELIEF AT TOP OF CURB

SECTION



SECTION THROUGH RAMP RUN AND LANDINGS WITH UPPER LANDING AT NORMAL SIDEWALK ELEVATION



* For Back of Sidewalk Curb on Buffer Transition and for Ramp and Sidewalk Curb Details See Sheet 4.

* Ramp Width for Ramp Types CR 1, CR 2, CR 3, CR 7, and CR 8 May Be Reduced to 5' Min. in Facilities Satisfying Min. Requirements of the ADAAG.

DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK CURB RAMPS WHERE RAMP AND LANDING DEPTH ARE NOT RESTRICTED BY RIGHT OF WAY

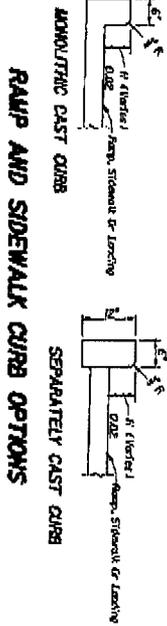


PUBLIC SIDEWALK CURB RAMPS

2005 FDOT Design Standards

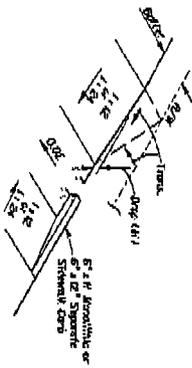
Sheet No. 304 of 5

DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK CURB RAMPS FOR LINEAR PEDESTRIAN TRAFFIC

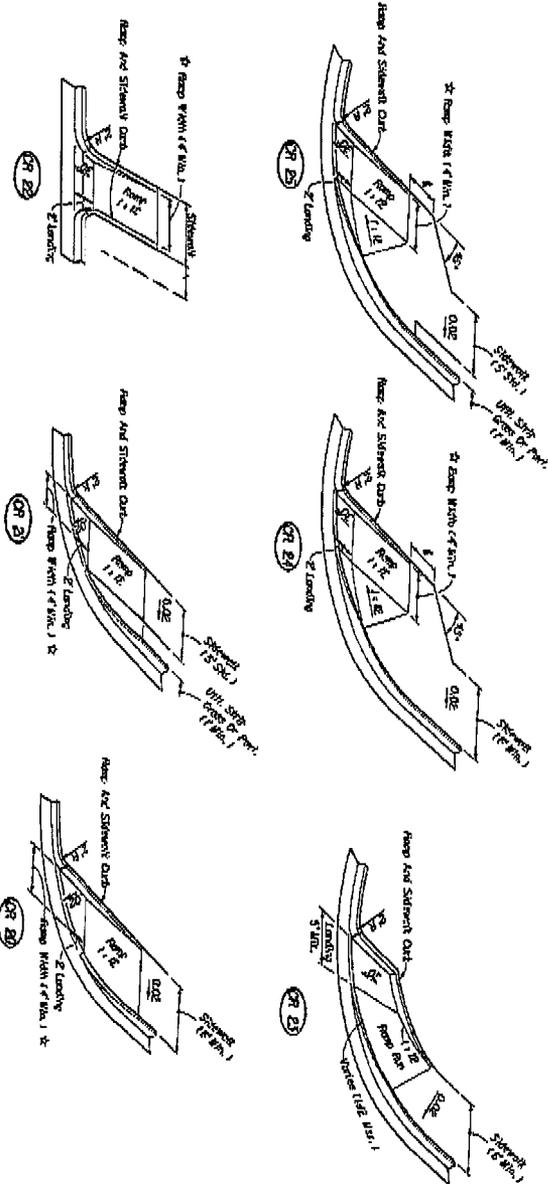


Outboard Sidewalk Curb is always of Adequate Buffer, Minimum Buffer, Center, Adequate Structure, or Main Curb. For in The Plans of Standard

BACK OF SIDEWALK CURB OR BUFFER TRANSITION



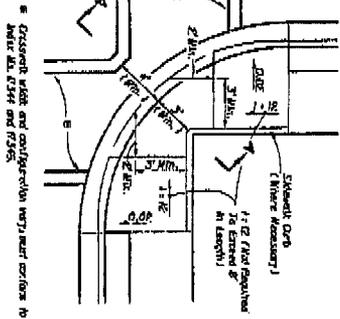
DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK COMBINED CORNER RAMPS UNDER CONDITIONS OF INFESIBILITY



SECTION AA



PLAN



* Curb length width and configuration vary per corner to meet all ADA and ADAAG

* Ramp Width For Curb Ramps: RR 20, RR 21, RR 22, RR 23, RR 24, RR 25, RR 26, RR 27, RR 28, RR 29, RR 30, RR 31, RR 32, RR 33, RR 34, RR 35, RR 36, RR 37, RR 38, RR 39, RR 40, RR 41, RR 42, RR 43, RR 44, RR 45, RR 46, RR 47, RR 48, RR 49, RR 50, RR 51, RR 52, RR 53, RR 54, RR 55, RR 56, RR 57, RR 58, RR 59, RR 60, RR 61, RR 62, RR 63, RR 64, RR 65, RR 66, RR 67, RR 68, RR 69, RR 70, RR 71, RR 72, RR 73, RR 74, RR 75, RR 76, RR 77, RR 78, RR 79, RR 80, RR 81, RR 82, RR 83, RR 84, RR 85, RR 86, RR 87, RR 88, RR 89, RR 90, RR 91, RR 92, RR 93, RR 94, RR 95, RR 96, RR 97, RR 98, RR 99, RR 100

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PUBLIC SIDEWALK CURB RAMPS

Sheet No. 304

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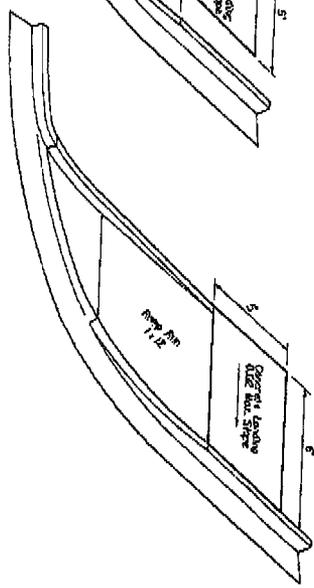
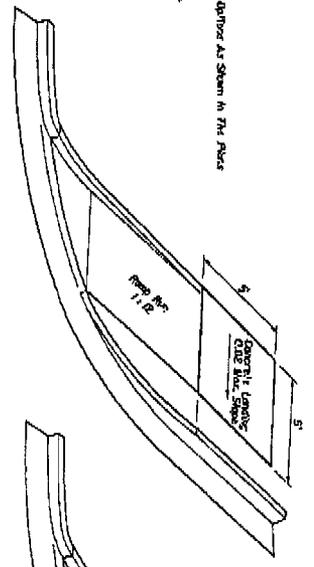
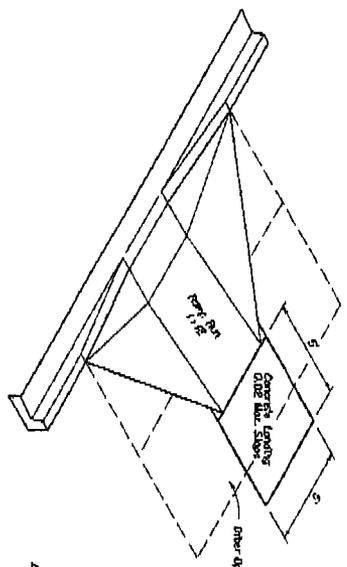
5' Ramps With Access Steps or Ramps
 5' Ramps With Access Steps or Ramps
 The Edge of Pavement/Shoulder Are
 5' Ramps With Access Steps or Ramps
 The Edge of Pavement/Shoulder Are
 5' Ramps With Access Steps or Ramps
 The Edge of Pavement/Shoulder Are
 5' Ramps With Access Steps or Ramps
 The Edge of Pavement/Shoulder Are

SECTION CC

MEDIAN CROSSWALKS

Qurb Insettable
 On Existing Existing Roadway And
 For Existing Existing Roadway And
 For Existing Existing Roadway And
 For Existing Existing Roadway And

PLAN

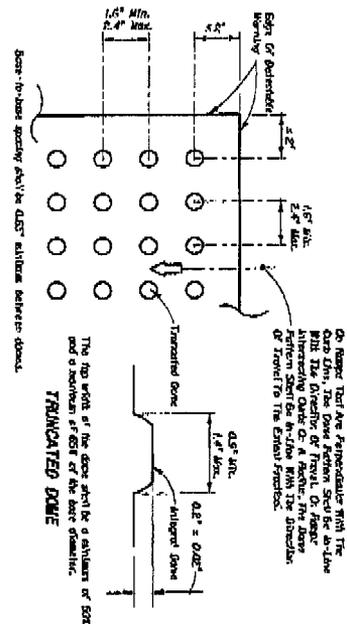
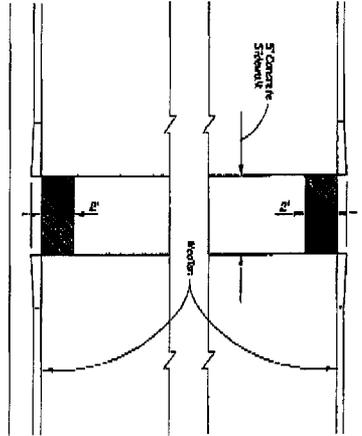
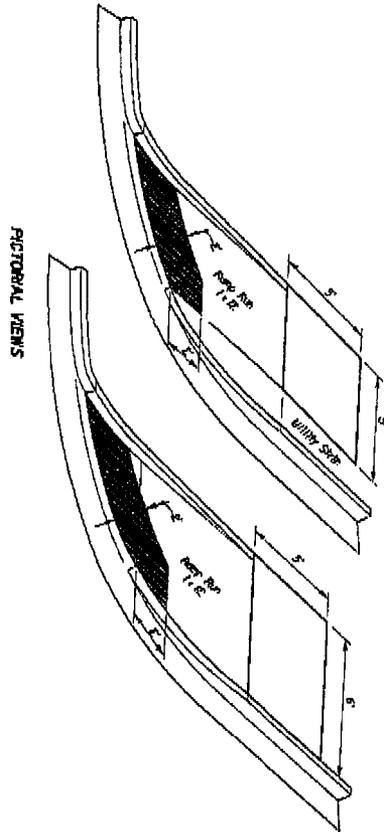
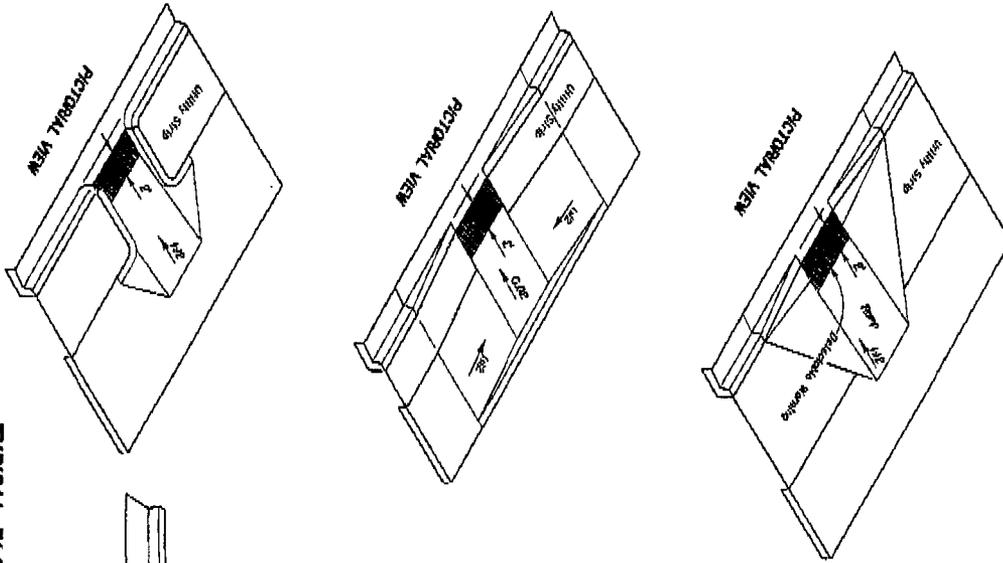


LANDINGS FOR RAMPS WITHIN PUBLIC RIGHT OF WAY CONSTRUCTED AT LOCATIONS WHERE FUTURE SIDEWALKS ARE PROPOSED, WHERE STABLE SURFACES OTHER THAN SIDEWALKS ARE PART OF A CONTINUOUS PASSAGE OR WHERE A CURB FALLS ALONG THE CIRCULATION PATH TO PEDESTRIAN ROUTES ON ADJACENT SITES



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 PUBLIC SIDEWALK CURB RAMPS

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NO CONCRETE DOMES,
CURB RAMP DETECTABLE WARNING DETAIL

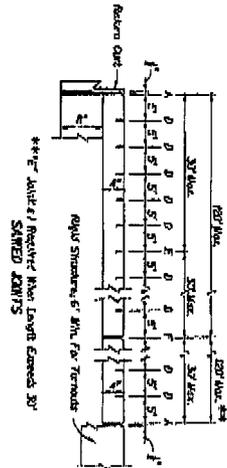
TYPICAL PLACEMENT OF DETECTABLE WARNING ON CURB RAMPS



PUBLIC SIDEWALK CURB RAMPS

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EXPANDED JOINT LONGITUDINAL SECTION
SIDEWALK JOINTS

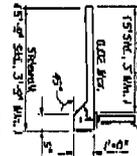
JOINT LEGEND

- A - Expansion Joint (Preformed Joint Form)
- B - Epoxy Adhesive, 100%
- C - Epoxy Adhesive, 100%
- D - Epoxy Adhesive, 100%
- E - Epoxy Adhesive, 100%
- F - Epoxy Adhesive, 100%
- G - Epoxy Adhesive, 100%
- H - Epoxy Adhesive, 100%
- I - Epoxy Adhesive, 100%
- J - Epoxy Adhesive, 100%
- K - Epoxy Adhesive, 100%
- L - Epoxy Adhesive, 100%
- M - Epoxy Adhesive, 100%
- N - Epoxy Adhesive, 100%
- O - Epoxy Adhesive, 100%
- P - Epoxy Adhesive, 100%
- Q - Epoxy Adhesive, 100%
- R - Epoxy Adhesive, 100%
- S - Epoxy Adhesive, 100%
- T - Epoxy Adhesive, 100%
- U - Epoxy Adhesive, 100%
- V - Epoxy Adhesive, 100%
- W - Epoxy Adhesive, 100%
- X - Epoxy Adhesive, 100%
- Y - Epoxy Adhesive, 100%
- Z - Epoxy Adhesive, 100%

NOTES FOR CONCRETE SIDEWALK ON CURBED ROADWAYS

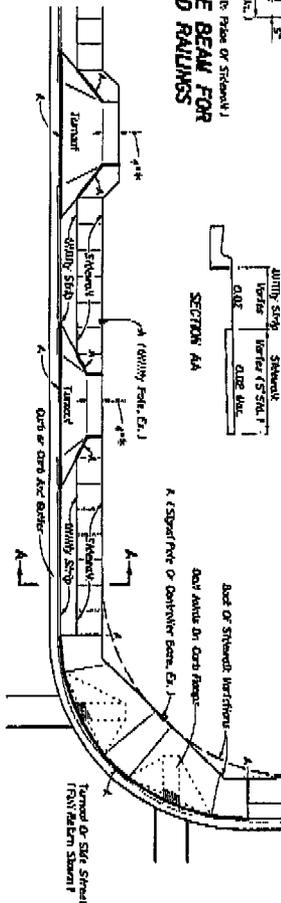
1. Sidewalk shall be constructed in accordance with Section 322 of the FDOT Standard Specifications except for public sidewalk curb and ramp which shall be finished in accordance with AASHTO M-304.
2. Final shoulder width from the curb to the sidewalk shall be as shown on the plan.
3. For public sidewalk curb means not below the 304.
4. For curbs see AASHTO M-304.
5. Concrete sidewalk with 7/8" Edge Groove except for 4" wide of any surface concrete. Minimum Reinforcement/Edge Groove shall be as shown on the plan.
6. Sidewalk shall be jointed for under the curb and joint for sidewalk concrete (see 725.11, S.T.).

SIDEWALK WITH EDGE BEAM FOR SURFACE MOUNTED RAILINGS

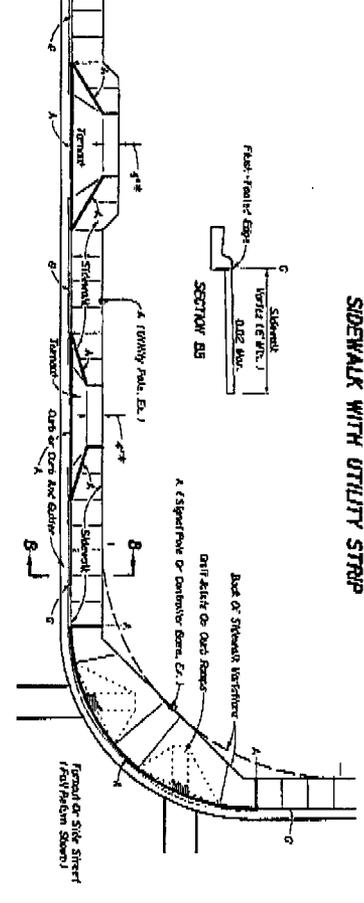


Minimum Reinforcement shall be provided for all concrete. See Standard Specifications for Concrete and Mortar, Section 304.02.01.

SIDEWALK WITH UTILITY STRIP



SIDEWALK WITHOUT UTILITY STRIP



CONCRETE SIDEWALK FOR CURBED ROADWAYS

	2008 FDOT Design Standards	Date: 07/01/08	Sheet No. 1 of 2
	CONCRETE SIDEWALK	Scale: AS SHOWN	310

SECTION 527
DETECTABLE WARNINGS ON WALKING SURFACES

527-1 Description.

Furnish and install Detectable Warning devices on newly constructed and/or existing concrete curb ramps and sidewalks constructed in accordance with the Design Standards, where indicated in the plans.

527-2 Materials.

527-2.1 Detectable Warning: Provide Detectable Warnings in accordance with the Americans with Disabilities Act Accessibility Guidelines (ADAAG) Section 4.29.2 - Detectable Warnings on Walking Surfaces. Use Detectable Warnings of materials intended for exterior use applied to concrete and subject to routine pedestrian traffic and occasional vehicular traffic. Use Detectable Warnings with size and pattern shown in the plans comprised of truncated domes aligned in parallel rows in accordance with Index No. 304 of the Design Standards. Do not use detectable warnings with a diagonal pattern.

527-2.1.1 Preformed Materials: Use Detectable Warnings consisting of weather-resistant tiles, pavers or mats that are adhered to concrete and have mechanical bond or fasteners, or torch-applied preformed thermoplastic. Preformed products may be used only if listed on the Qualified Products List in accordance with 527-2.4.

527-2.1.2 Field-Formed Materials: Use Detectable Warnings applied as a secondary application to cured concrete. Products applied as a secondary application on cured concrete, may be used only if listed on the Qualified Products List in accordance with 527-2.4.

527-2.2 Material Properties: Provide Detectable Warnings that meet the following minimum material property requirements when tested in accordance with the indicated Standard.

PROPERTY	STANDARD	MINIMUM THRESHOLD
Slip Resistance	ASTM C1028, F609, F1677, F1678, F1679; E303	Dry Coefficient of Friction – 0.8 min. and Wet Coefficient of Friction – 0.65 min.; Or 35 BPN (include recessed areas between truncated domes)
Wear Resistance	ASTM C501	Average wear depth on dome $\leq 0.030''$ after 1000 abrasion cycles.
Water Absorption ¹	ASTM D570	Not to exceed 5%.
Adhesion/Bond Strength	ASTM C482	No adhesion failure
Fade (UV) Resistance	ASTM G151/G154	$\Delta E \geq 3$ after 2000 hrs.
Non-Hazardous Classification	RCRA Subtitle C	Non-Hazardous

PROPERTY	STANDARD	MINIMUM THRESHOLD
Applies only to pavers and tiles consisting of concrete materials.		

527-2.3 Color/Contrast: Use Detectable Warnings providing a light-on-dark or dark-on-light color contrast with adjoining surfaces that meet a 70% contrast ratio as described in ADAAG Appendix Section A4.29.2. Acceptable colors include: black, brown, brick-red, green and safety yellow (US-ANSI Z535.1-1991, 6.3; International-ISO 3864-1984(3)) as described in the drawings or as approved by the Engineer. The color must be integral with and consistent throughout the material. Do not use the color blue.

527-2.4 Qualified Products List: Methods or products used to form Detectable Warnings in wet concrete will not be permitted. Use Detectable Warnings listed on the Department Qualified Products List (QPL). Manufacturers of Detectable Warnings seeking evaluation of their product shall submit an application in accordance with Section 6. Manufacturers must demonstrate performance in accordance with the requirements of these Specifications and with the acceptance criteria detailed in Index No. 304 of the Design Standards. Submit Applications that include certified test reports from an independent laboratory that shows the Detectable Warning meets the material properties and all requirements specified herein. Application must include manufacturer's installation drawings that describe detailed quality control requirements for installation including, but not limited to: special materials and/or equipment; recommendations for cleaning/preparing substrate surfaces; bonding method describing thickness, spread rate and/or curing time(s) of grout or adhesive materials; mechanical anchorage; and protection of Detectable Warning materials during set-up/curing period.

In addition, manufacturer's drawings must provide recommended quality control procedures for touch-up and repair of localized areas of installations, for compliance with the acceptance criteria provided in Index No. 304 of the Design Standards.

527-3 Installation Procedures.

527-3.1 Surface Preparation and Installation: Prepare the surface in accordance with the Detectable Warning manufacturer's recommendations. Install Detectable Warnings in accordance with the manufacturer's instructions, using materials and/or equipment recommended and approved by the Detectable Warning manufacturer for adherence to cementitious substrate surfaces. Ensure that all installations are made in accordance with the manufacturer's installation drawings referenced by the QPL.

527-4 Method of Measurement.

Detectable Warnings applied to newly constructed concrete sidewalk/curb ramps will be included in the cost of the concrete sidewalk/curb ramp. Detectable Warnings applied to existing curb ramps will be paid per each Detectable Warning that is furnished, installed and accepted.

527-5 Basis of Payment.

Price and payment will be full compensation for all work specified in this Section, including all labor, surface preparation, materials and incidentals necessary to complete the work for Detectable Warnings installed on each curb ramp.

Payment will be made under:

- Item No. 522- 1- Concrete Sidewalk, 4" Thick - per square yard.
- Item No. 527- 1- Detectable Warnings on Walking Surfaces - each.

**SECTION 530
RIPRAP****530-1 Description.**

Construct riprap composed of sand-cement or rubble (consisting of broken stone or broken concrete) as shown in the plans. When specified in the plans, place bedding stone under the rubble riprap.

530-2 Materials.**530-2.1 Sand-Cement:**

(1) Portland Cement: Provide cement from an approved source meeting the requirements of Section 921. Certify that cement meets the requirements of the Contract Documents.

(2) Fine Aggregate: Meet the requirements of 902-3.3.

(3) Sacks: Provide sacks made of jute, cotton, or scrim reinforced paper capable of holding the sand-cement mixture without leakage. Ensure that sack material is permeable and absorptive enough to permit passage of water to provide for hydration of the cement. Ensure that paper used in sacks is non-asphalt laminated with a polyester fiber scrim reinforcement in a three-way directional pattern, has an embossed finish, and is perforated approximately 3/32 inch in approximate 1 inch centers. Extend perforations continuously through the entire wall.

Provide sacks of uniform size and dimensions, in order to provide uniformity of lines in the completed work. Use sacks that are free from holes and strong enough to withstand handling without ripping or splitting. Use only one type and size of sack at any one structure.

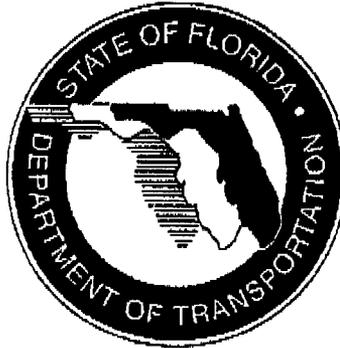
(4) Grout: Provide sand from an approved source meeting the requirements of 902-3.3. Provide cement from an approved source meeting the requirements of Section 921.

(5) Geotextile Fabric: Meet the requirements of Section 514.

530-2.2 Rubble:

530-2.2.1 Rubble (Bank and Shore Protection): Provide sound, hard, durable rubble, free of open or incipient cracks, soft seams, or other structural defects, consisting of broken stone with a bulk specific gravity of at least 2.30. Ensure that stones are rough and angular.

For this application, use broken stone meeting the following gradation and thickness requirements:



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(850) 873-7004 Dianne Huff
(850) 873-7015 Curtis Andrews
(850) 873-7017 Floyd Mitchell

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SUNCOM: 777-7713

FAX COVER SHEET

TO: <i>Chris Hubbard</i>	
PHONE #:	FAX #: <i>648-8768</i>
DATE: <i>11-28-06</i>	
FROM: <i>Lisa Weeks</i>	
NUMBER OF PAGES TO FOLLOW: <i>14</i>	
COMMENTS:	