

VILLAGE OF ROYAL PALM BEACH, FLORIDA

PROJECT NAME: **ROBINER PARK PATHWAY AND KAYAK LAUNCH**
PROJECT NUMBER: **PR1807**

ADDENDUM NUMBER: TWO

DATE OF ISSUANCE: July 21, 2021

TO: Prospective Bidders

THIS ADDENDUM NO. **TWO** INCLUDES THE FOLLOWING:

1. Bid Documents
 - a. I-3: Added Sections 323113 and 515 to Table of Contents
 - b. ID-4: Updated Index of Drawings
 - c. IB-11: Corrected Liquidated Damages amounts
 - d. BF-18 – BF-20: Updated Bid Form
 - e. RF-140 – RF-152: Added Sections 323113 and 515
2. Plans
 - a. Replace Bid Plans Sheets 1-23 with Addendum 2 Sheets 1-40
 - i. Various improvements to visual presentation
 - ii. Added the following Sheet Sections:
 1. Existing Irrigation
 2. Geometry
 3. Signage and Pavement Marking
 4. Aluminum Guiderail
 5. Dog Park Fencing
 - iii. Note: Sheets C1-C9 have not changed

APPROVED BY: Christopher A. Marsh, P.E., Village Engineer

ACKNOWLEDGMENT OF RECEIPT: _____
Bidder

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SECTION 100 - CONSTRUCTION EQUIPMENT - GENERAL REQUIREMENTS	RT	1
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SECTION 102 - MAINTENANCE OF TRAFFIC	RT	1
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Project No.: **PR1807**

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02	General Notes
03	Staging Area
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The following liquidated damages apply to this project:

- 1) Substantial completion, liquidated damages of \$1,000.00 per day will be assessed for failure to substantially complete the overall project within the agreed time period following the "Notice to Proceed".
- 2) Final completion, liquidated damages of \$500.00 per day will be assessed for failure to complete the overall project within thirty days following substantial completion.

4.2 Bid Security

4.2.1 Each Bid shall be accompanied by a BID SECURITY (in the form of, at Bidder's option, cashier's check, certified check, money order or Bid Bond in favor of the Owner) in the amount of at least five percent (5%) of the bid price pledging that the Bidder will within fourteen (14) days after Notice of Intent to Award, enter into a contract with the Owner on the terms stated in his Bid and will furnish bonds as described hereunder in covering the faithful performance of the Contract and the payment of all obligations arising thereunder. Should the Bidder refuse to enter into such Contract or fail to furnish such bonds, the amount of the bid security shall be forfeited to the Owner as liquidated damages, not as penalty. If a Bidder fails to execute a Contract for the project, the Bidder may be suspended or debarred from bidding on future projects for a period of one (1) year. The Owner may further pursue any and all remedies available against the Contractor for damages resulting from its failure to enter into a contract.

4.2.2 If provided, the surety bond shall be written on the Bid Bond form, included as part of the Bidding Documents, and the attorney-in-fact who executes the bond on behalf of the surety shall affix to the bond a certified and current copy of his power of attorney.

4.2.3 The Owner will have the right to retain the bid security of Bidders to whom an award is being considered until either (a) the Contract has been executed and bonds have been furnished, or (b) the specified time has elapsed so that Bids may be withdrawn, or (c) the low Bidder withdraws his bid after bid day, without the Owner's consent or approval, (d) all Bids have been rejected.

4.3 Submission of Bids

4.3.1 All copies of the Bid, the bid security, and any other documents required to be submitted with the Bid shall be enclosed in a sealed opaque envelope. The envelope shall be addressed as follows:

Project Number: **PR1807**

Contractor's Bid Proposal for: **Robiner Park Pathway and Kayak Launch**

Village of Royal Palm Beach
1050 Royal Palm Beach Blvd
Royal Palm Beach, Florida 33411

BID PROPOSAL FORM

Project Name: Robiner Park Pathway & Kayak Launch					
Project Number: PR 1807					
Item No.	Description	Unit	Quantity	Unit Price	Total Item Cost
101-1	Mobilization	LS	1		
102-1	Maintenance of Traffic	LS	1		
104-18-RPB-1	Inlet Protection and Turbidity Barrier	LS	1		
110-1-1	Clearing and Grubbing	LS	1		
120-RPB-1	Earthwork	LS	1		
430-RPB-1	On-Street Parking Drainage, Including Driveway Restoration	LS	1		
430-RPB-2	Dog Park Fountain Drainage	LS	1		
515-1-2-RPB-1	Aluminum Pipe Guiderail and Thickened Concrete	LF	37		
519-78-RPB-1	Standard Bollard	EA	5		
519-78-RPB-2	Removable Bollard	EA	5		
520-2-4	Type D Curb	LF	232		
522-2	6" Concrete Sidewalk	SY	3130		
522-2-RPB-1	6" Reinforced Concrete Parking Lot	SY	891		
522-2-RPB-2	Concrete; 8" Thickened Edge	LF	36		
522-2-RPB-3	Concrete Wheelstop	EA	13		
522-2-RPB-4	Traffic Separator	EA	6		
527-2	Detectable Warning on New Walking Surface	SF	166		
550-10-410-RPB-1	Remove and Relocate Diamond Rail Fence	LF	85		
550-RPB-1	New Dog Park Chainlink Fence; 4' Mesh	LF	954		
550-RPB-2	New Dog Park Chainlink Fence; 5' Mesh	LF	36		
570-1-2-RPB-1	Restore All Grass Disturbed by Construction; Floratam Sod	LS	1		
580-12-RPB-1	19.5" Chemical Root Barrier	LF	2960		

590-1-RPB-1	Protect and Adjust Zone Irrigation	LS	1		
700-1-1-RPB-1	Single Post Sign	EA	4		
700-1-1-RPB-2	Relocate Stop Sign	EA	1		
700-1-1-RPB-3	Relocate Two Post Sign	EA	1		
710-12-RPB-1	Durable Traffic Paint Striping	LS	1		
721-74-1	Recycled Plastic Trash Receptical and Foundation	EA	10		
751-30-1	Dog Park Pavilion and Foundation	EA	1		
751-33-101	Recycled Plastic Picnic Table	EA	1		
751-38-15	Recycled Plastic Park Bench and Foundation	EA	10		
751-RPB-1	All-Access Kayak Launch; Complete	EA	1		
751-RPB-2	Adjust Existing Dog Fountain	EA	1		
751-RPB-3	New Dog Fountain, with 380' Water Line Connection	EA	1		

TOTAL BASE BID: \$ _____

_____ Dollars
(Amount written in words has precedence)

TOTAL NUMBER OF DAYS: _____ **Days**

_____ Days

Date: _____

The contractor's signature below provides assurance that Addenda #1 through ____ have been received and are included in the estimate in the above bid.

CONTRACTOR: _____

Project Name: Add/Alt 1: Boat Ramp					
Project Number: PR1807					
Item No.	Description	Unit	Quantity	Unit Price	Total Item Cost
AA1-590-1-RPB-1	Relocate Irrigation Main for Boat Ramp	LS	1		
AA1-751-RPB-1	Boat Ramp; Complete	EA	1		

TOTAL ADD/ALT 1 BID: \$ _____

_____ Dollars
(Amount written in words has precedence)

ADD/ALT 1 NUMBER OF DAYS: _____ **Days**

_____ Days

Date: _____

The contractor's signature below provides assurance that Addenda #1 through ____ have been received and are included in the estimate in the above bid.

CONTRACTOR: _____

***NOTE:** The contractor is required to bid all Add/Alternates. Any bid without all Add/Alternates will be considered incomplete.

SECTION 323113

CHAIN LINK FENCES AND GATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
1. Chain-link fences.
 2. Horizontal-slide, motor-operated gates.

1.3 PREINSTALLATION MEETINGS

- A. Pre-installation Conference: Conduct conference at Project site.
1. Inspect and discuss electrical roughing-in, equipment bases, and other preparatory work specified elsewhere.
 2. Review sequence of operation for each type of gate operator.
 3. Review coordination of interlocked equipment specified in this Section and elsewhere.
 4. Review required testing, inspecting, and certifying procedures.
 5. Review the contractor's design for the fence post spacing, fence post material, gauge of the wire, size of the mesh, depth of the fence post, and diameter of the fence post concrete foundation.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for the following:
 - a. Fence and gate posts, rails, and fittings.
 - b. Chain-link fabric, reinforcements, and attachments.
 - c. Gates and hardware.
- B. Shop Drawings: For each type of fence and gate assembly.

1. Include plans, elevations, sections, details, and attachments to other work.
 2. Include accessories, hardware, gate operation, and operational clearances.
- C. Samples for Initial Selection: For each type of factory-applied finish.
- D. Samples for Verification: For each type of component with factory-applied finish, prepared on Samples of size indicated below:
1. Polymer-Coated Components: In 6-inch (150-mm) lengths for components and on full-sized units for accessories.
- E. Delegated-Design Submittal: For structural performance of chain-link fence and gate frameworks, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For professional engineer or factory-authorized service representative designing the fence and gate.
- B. Product Certificates: For each type of chain-link fence, operator, and gate.
- C. Product Test Reports: For framework strength according to ASTM F 1043, for tests performed by manufacturer and witnessed by a qualified testing agency or a qualified testing agency.
- D. Field quality-control reports.
- E. Sample Warranty: For special warranty.

1.6 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For gate operators to include in emergency, operation, and maintenance manuals.

1.7 QUALITY ASSURANCE

- A. Testing Agency Qualifications: For testing fence grounding; member company of NETA or an NRTL.
1. Testing Agency's Field Supervisor: Certified by NETA to supervise on-site testing.
- B. Emergency Access Requirements: According to requirements of authorities having jurisdiction for gates with automatic gate operators serving as a required means of access.

C. Mockups: Build mockups to set quality standards for fabrication and installation.

1. Build mockup for typical chain-link fence, including accessories.

a. Size: 10-foot (3 m) length of fence.

1.8 FIELD CONDITIONS

A. Field Measurements: Verify layout information for chain-link fences and gates shown on Drawings in relation to property survey and existing structures. Verify dimensions by field measurements.

1.9 WARRANTY

A. Special Warranty: Contractor agrees to repair or replace components of chain-link fences and gates that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:

a. Failure to comply with performance requirements.

b. Deterioration of metals, metal finishes, and other materials beyond normal weathering.

2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Delegated Design: Engage a qualified professional engineer to design chain-link fence, gate, frameworks, motors, etc.

B. Structural Performance: Chain-link fence and gate frameworks shall withstand the design wind loads and stresses for fence height(s) and under exposure conditions indicated according to ASCE/SEI 7.

1. Design Wind Load: 150 mph.

a. Minimum Post Size: Determine according to ASTM F 1043 for post spacing not to exceed 10 feet (3 m) for Material Group IC, electric-resistance-welded round steel pipe.

b. Minimum Post Size and Maximum Spacing: Determine according to CLFMI WLG 2445, based on mesh size and pattern specified.

- c. Contractor shall design the fence posts including the spacing, diameter, material, bracing, intermediate rails, and angle of the terminal posts based on the gauge of the wire, size of the mesh, wind exposure and wind speed and submit those calculations and results to the Village.
- C. Lightning Protection System: Maximum resistance-to-ground value of 25 ohms at each grounding location along fence under normal dry conditions.

2.2 CHAIN-LINK FENCE FABRIC

- A. General: Provide fabric in one-piece heights measured between top and bottom of outer edge of selvage knuckle or twist according to "CLFMI Product Manual" and requirements indicated below:
 - 1. Fabric Height: four or five feet, per plan.
 - 2. Steel Wire for Fabric: Wire diameter of 0.148 inch (3.76 mm).
 - a. Mesh Size: 2 inches (50 mm).
 - b. Polymer-Coated Fabric: ASTM F 668, Class 2b (fused and adhered) over zinc-coated steel wire.
 - 1) Color: Green, according to ASTM F 934.
 - c. Coat selvage ends of metallic-coated fabric before the weaving process with manufacturer's standard clear protective coating.
 - 3. Selvage: Twisted top and knuckled bottom.

2.3 FENCE FRAMEWORK

- A. Posts and Rails: ASTM F 1043 for framework, including rails, braces, and line; terminal; and corner posts. Provide members with minimum dimensions and wall thickness according to ASTM F 1043 based on the following:
 - 1. Fence Height: 96 inches (2440 mm).
 - 2. Heavy-Industrial-Strength Material: Group IC, round steel pipe, electric-resistance-welded pipe.
 - a. Line Post: Contractor shall design the fence posts including the spacing, diameter, and material, based on the gauge of the wire, size of the mesh, wind exposure and wind speed and submit those calculations and results to the Village..
 - b. End, Corner, and Pull Posts: Contractor shall design the fence posts including the spacing, diameter, and material, based on the gauge of the wire, size of

the mesh, wind exposure and wind speed and submit those calculations and results to the Village.

3. Horizontal Framework Members: Intermediate and bottom rails according to ASTM F 1043.
4. Brace Rails: ASTM F 1043.
5. Polymer coating over metallic coating.
 - a. Color: Green, according to ASTM F 934.

2.4 TENSION WIRE

- A. Polymer-Coated Steel Wire: 0.148-inch- (3.8-mm-) diameter, tension wire according to ASTM F 1664, Class 2b over zinc-coated steel wire.
 1. Color: Black, according to ASTM F 934.
- B. Aluminum Wire: 0.192-inch- (4.88-mm) diameter tension wire, mill finished, according to ASTM B 211 (ASTM B211M), Alloy 6061-T94 with 50,000-psi (344-MPa) minimum tensile strength.

2.5 FITTINGS

- A. Provide fittings according to ASTM F 626.
- B. Post Caps: Provide for each post.
 1. Provide line post caps with loop to receive tension wire or top rail.
- C. Rail and Brace Ends: For each gate, corner, pull, and end post.
- D. Rail Fittings: Provide the following:
 1. Top Rail Sleeves: Pressed-steel or round-steel tubing not less than 6 inches (152 mm) long.
 2. Rail Clamps: Line and corner boulevard clamps for connecting intermediate and bottom rails to posts.
- E. Tension and Brace Bands: Pressed steel.
- F. Tension Bars: Steel, length not less than 2 inches (50 mm) shorter than full height of chain-link fabric. Provide one bar for each gate and end post, and two for each corner and pull post, unless fabric is integrally woven into post.

- G. Truss Rod Assemblies: Steel, hot-dip galvanized after threading rod and turnbuckle or other means of adjustment.
- H. Tie Wires, Clips, and Fasteners: According to ASTM F 626.
 - 1. Standard Round Wire Ties: For attaching chain-link fabric to posts, rails, and frames, according to the following:
 - a. Hot-Dip Galvanized Steel: 0.148-inch- (3.76-mm-) diameter wire; galvanized coating thickness matching coating thickness of chain-link fence fabric.
- I. Finish:
 - 1. Metallic Coating for Pressed Steel or Cast Iron: Not less than 1.2 oz./sq. ft. (366 g/sq. m) of zinc.
 - a. Polymer coating over metallic coating.
 - 2. Aluminum: Mill finish.

2.6 GROUT AND ANCHORING CEMENT

- A. Non-shrink, Non-metallic Grout: Factory-packaged, non-staining, non-corrosive, non-gaseous grout complying with ASTM C 1107/C 1107M. Provide grout, recommended in writing by manufacturer, for exterior applications.
- B. Anchoring Cement: Factory-packaged, non-shrink, non-staining, hydraulic-controlled expansion cement formulation for mixing with water at Project site to create pourable anchoring, patching, and grouting compound. Provide formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating, and that is recommended in writing by manufacturer for exterior applications.

2.7 GROUNDING MATERIALS

- A. Connectors and Grounding Rods: Listed and labeled for complying with UL 467.
 - 1. Connectors for Below-Grade Use: Exothermic welded type.
 - 2. Grounding Rods: Copper-clad steel, 5/8 by 96 inches.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for site clearing, earthwork, pavement work, and other conditions affecting performance of the Work.
 - 1. Do not begin installation before final grading is completed unless otherwise permitted by Architect.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Stake locations of fence lines, gates, and terminal posts. Do not exceed intervals of 500 feet (152 m) or line of sight between stakes. Indicate locations of utilities, lawn sprinkler system, underground structures, benchmarks, and property monuments.

3.3 CHAIN-LINK FENCE INSTALLATION

- A. Install chain-link fencing according to ASTM F 567 and more stringent requirements specified.
 - 1. Install fencing on established boundary lines inside property line.
- B. Post Excavation: Drill or hand-excavate holes for posts to diameters and spacings indicated, in firm, undisturbed soil.
- C. Post Setting: Set posts in concrete at indicated spacing into firm, undisturbed soil.
 - 1. Verify that posts are set plumb, aligned, and at correct height and spacing, and hold in position during setting with concrete or mechanical devices.
 - 2. Concrete Fill: Place concrete around posts to dimensions indicated and vibrate or tamp for consolidation. Protect aboveground portion of posts from concrete splatter.
 - a. Concealed Concrete: Place top of concrete 2 inches (50 mm) below grade to allow covering with surface material.
 - b. Posts Set into Sleeves in Concrete: Use steel pipe sleeves preset and anchored into concrete for installing posts. After posts are inserted into sleeves, fill annular space between post and sleeve with non-shrink, nonmetallic grout or anchoring cement, mixed and placed according to anchoring material manufacturer's written instructions. Finish anchorage joint to slope away from post to drain water.

- c. Posts Set into Holes in Concrete: Form or core drill holes not less than 5 inches (127 mm) deep and 3/4 inch (20 mm) larger than OD of post. Clean holes of loose material, insert posts, and fill annular space between post and concrete with nonshrink, nonmetallic grout or anchoring cement, mixed and placed according to anchoring material manufacturer's written instructions. Finish anchorage joint to slope away from post to drain water.
- D. Terminal Posts: Install terminal end, corner, and gate posts according to ASTM F 567 and terminal pull posts at changes in horizontal or vertical alignment. Contractor shall design the fence posts including the angle of the terminal posts and submit those calculations and results to the Village. For runs exceeding 500 feet (152 m), space pull posts an equal distance between corner or end posts.
- E. Line Posts: Space line posts uniformly. Contractor shall design the fence posts including the spacing, diameter, and material, based on the gauge of the wire, size of the mesh, wind exposure and wind speed and submit those calculations and results to the Village.
- F. Post Bracing and Intermediate Rails: Install according to ASTM F 567, maintaining plumb position and alignment of fence posts. Diagonally brace terminal posts to adjacent line posts with truss rods and turnbuckles. Install braces at end and gate posts and at both sides of corner and pull posts.
 - 1. Locate horizontal braces at midheight of fabric 72 inches (1830 mm) or higher, on fences with top rail, and at two-third fabric height on fences without top rail. Install so posts are plumb when diagonal rod is under proper tension.
 - 2. Contractor shall design the fence posts including the post bracing and intermediate rails and submit those calculations and results to the Village.
- G. Tension Wire: Install according to ASTM F 567, maintaining plumb position and alignment of fence posts. Pull wire taut, without sags. Fasten fabric to tension wire with 0.120-inch- (3.05-mm-) diameter hog rings of same material and finish as fabric wire, spaced a maximum of 24 inches (610 mm) o.c. Install tension wire in locations indicated before stretching fabric. Provide horizontal tension wire at the following locations:
 - 1. Extended along top and bottom of fence fabric. Install top tension wire through post cap loops. Install bottom tension wire within 6 inches (152 mm) of bottom of fabric and tie to each post with not less than same diameter and type of wire.
- H. Top, Intermediate, and Bottom Rails: Secure to posts with fittings.
- I. Tension or Stretcher Bars: Thread through fabric and secure to end, corner, pull, and gate posts, with tension bands spaced not more than 15 inches (380 mm) o.c.
- J. Tie Wires: Use wire of proper length to firmly secure fabric to line posts and rails. Attach wire at one end to chain-link fabric, wrap wire around post a minimum of 180 degrees,

and attach other end to chain-link fabric according to ASTM F 626. Bend ends of wire to minimize hazard to individuals and clothing.

1. Maximum Spacing: Tie fabric to line posts at 12 inches (300 mm) o.c. and to braces at 24 inches (610 mm) o.c.
- K. Fasteners: Install nuts for tension bands and carriage bolts on the side of fence opposite the fabric side. Peen ends of bolts or score threads to prevent removal of nuts.

3.4 GATE INSTALLATION

- A. Install gates according to manufacturer's written instructions, level, plumb, and secure for full opening without interference. Attach fabric as for fencing. Attach hardware using tamper-resistant or concealed means. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation.

3.5 GROUNDING AND BONDING

- A. Comply with requirements of FPL's Grounding of Chain Link & Industrial Type Fences and Gates detail #A-88019-1 attached to this Specification.
- B. Fence and Gate Grounding:
1. Ground for fence and fence posts shall be a separate system from ground for gate and gate posts.
 2. Install ground rods and connections at maximum intervals of 100 feet.
 3. Ground fence on each side of gates and other fence openings.
 - a. Bond metal gates to gate posts.
 - b. Bond across openings, with and without gates, except openings indicated as intentional fence discontinuities. Use No. 2 AWG wire and bury it at least 18 inches below finished grade.
- C. Grounding Method: At each grounding location, drive a grounding rod vertically until the top is 6 inches below finished grade. Connect rod to fence with No. 6 AWG conductor. Connect conductor to each fence component at grounding location.
1. Make grounding connections to each barbed wire strand with wire-to-wire connectors designed for this purpose.
 2. Make grounding connections to each barbed tape coil with connectors designed for this purpose.
- D. Connections:
1. Make connections with clean, bare metal at points of contact.

2. Make aluminum-to-steel connections with stainless-steel separators and mechanical clamps.
3. Make aluminum-to-galvanized-steel connections with tin-plated copper jumpers and mechanical clamps.
4. Make above-grade ground connections with mechanical fasteners.
5. Make below-grade ground connections with exothermic welds.
6. Coat and seal connections having dissimilar metals with inert material to prevent future penetration of moisture to contact surfaces.

3.6 FIELD QUALITY CONTROL

- A. Testing Agency: Engage a qualified testing agency to perform tests.
- B. Grounding Tests:
 1. Measure and test the ground impedance in accordance with IEEE Standard 81 after installation but before connecting the electrode to the remaining grounding system. Verify all ground potentials.
 2. Test the grounding system per NETA ATS section 7.13.
 3. Provide 48 hours advance notice of its intention to perform grounding tests.

3.7 ADJUSTING

- A. Gates: Adjust gates to operate smoothly, easily, and quietly, free of binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.
- B. Lubricate hardware and other moving parts.

3.8 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain chain-link fences and gates.

END OF SECTION 32311

SECTION 515

METAL PEDESTRIAN/BICYCLE RAILINGS, GUIDERAILS, AND HANDRAILS

515-1 Description.

Furnish and install metal pedestrian/bicycle railings, including bullet rails, guiderails and handrails in accordance with the Plans and Standard Plans.

Obtain rail components from producers currently on the Department's Production Facility Listing. Producers seeking inclusion on the list shall meet the requirements of Section 105.

515-2 Materials.

Meet the following requirements:

Concrete	Section 346
Anchor Bolts, Rods, Nuts and Washers*	Section 962
Adhesive Anchors**	Section 937
Aluminum	Section 965
Bearing Pads	932-2.5
Epoxy Mortar**	Section 926
Steel.....	Section 962

*Do not use expansion anchors.

**Use products listed on the Department's Approved Product List (APL).

515-3 Construction Requirements.

515-3.1 General: Space posts to clear obstacles without exceeding maximum post spacing and maintain a uniform spacing with reasonable consistency. Place splices in approximately the same place within a railing section. Railings must be free of burrs and sharp edges and all plug welds ground smooth.

515-3.2 Welds: Nondestructive testing of welds is not required, unless otherwise shown in the Plans.

515-3.2.1 Aluminum Railing: Welds must be in accordance with Section 965. Filler material for seal welds, plug welds and bend splices may be ER4303.

515-3.2.2 Steel Railing: Meet the requirements of Section 962, except weld connections must be in accordance with AWS D1.1, Structural Welding Code, using E70XX weld material, unless otherwise shown in the Plans.

515-3.3 Coatings:

515-3.3.1 Aluminum Railing: Coating is not required, unless otherwise shown in the Plans. Finished product must have a smooth uniform appearance. When a colored coating is required, use a fluoropolymer based powder coating system complying with American Architectural Manufacturers Association (AAMA) Specification No. 2605.

515-3.3.2 Steel Railing: Components must be hot-dip galvanized after fabrication in accordance with Section 962, unless otherwise shown in the Plans. When a colored coating is required, meet the requirements of 649-4.

515-4 Shop Drawings.

Submit shop drawings and obtain approval prior to fabrication in accordance with Section 5. Show project specific geometry (line and grade), post type and locations, expansion joint and splice locations. Include other project specific details such as tapered end transitions, continuity or transition details post and panel infill type, and anchor bolt general details.

515-5 Installation.

515-5.1 General: Place a 1/8 inch thick bearing pad with dimensions matching the base plate between the base plate and concrete surface.

515-5.2 Bullet Railings: Install rail posts perpendicular to the profile grade longitudinally and plumb transversely.

515-5.3 Pedestrian /Bicycle Railings and Guiderails: For locations other than bridges, fabricate and install posts plumb. On bridges, fabricate and install posts perpendicular to the profile grade line longitudinally and plumb transversely. Use aluminum shim plates to make necessary adjustments. Bond stacked shim plates with adhesive bonding material and field trim shim plates to match the foundation contours. Beveled shim plates may be used in lieu of trimmed flat shim plates. If shims greater than 1/2 inch total thickness are required, provide longer anchor bolts. Bolts must be long enough to secure washers and nuts and meet the minimum embedment length. Post tolerance from plumb is plus or minus one inch, measured at 42 inches above the foundation. Rails must form a smooth continuous line without hills or dips greater than 1/2 inch between any three posts or side sway greater than 1/2 inch between post assemblies.

515-5.4 Anchoring:

515-5.4.1 General: Secure nuts to a snug tight condition. Tack weld nuts to stem or distort bolt threads to prevent nut loosening and removal. Coat damaged galvanizing on bolt stems, nuts, and tack welds in accordance with Section 562.

515-5.4.2 Adhesive Anchors: Install anchors in accordance with Section 416.

515-5.4.3 C-I-P and Thru-Bolt Anchors: Use galvanized hex head anchor bolts. When thru-bolting is used, coat cut reinforcing steel inside the drilled hole with a zinc galvanizing compound in accordance with Section 562 prior to installing bolts.

515-5.4.4 Embedded Guiderail Posts: Core holes into the foundation concrete, then clean holes, in accordance with the manufacturer's instructions. At a minimum, use oil free compressed air to remove loose particles, brush the inside surface to free loose particles, then use compressed air again to remove any remaining particles. Use a Type AB, or F epoxy compound to secure guiderail posts into the cored holes.

515-6 Method of Measurement.

The quantity of railing to be paid for will be the plan quantity, in linear feet, installed and accepted. The quantity will be measured along the centerline of the top rail.

515-7 Basis of Payment. Price and payment will be full compensation for all work specified in this Section, including all materials, hardware, labor, and incidentals required to complete the installation. For relocation of existing railing, price and payment will be full compensation for the removal and reinstallation, including all materials, hardware, labor, and incidentals required to complete the installation.

Payment will be made under the following:

Item No. 515-1-2-RPB-1 Aluminum Pipe Guiderail and Thickened Concrete – Linear Foot

Note: Per Sheet 5 of FDOT Standard Plan Index 515-070, rail to be placed on concrete shall have a thickened edge. This increase of concrete over what is required for the standard 6” concrete pathway shall be paid for under this item.

END OF SECTION

THE VILLAGE OF ROYAL PALM BEACH

Addendum 2
7/21/2021



ROBINER PARK PATHWAY & KAYAK LAUNCH

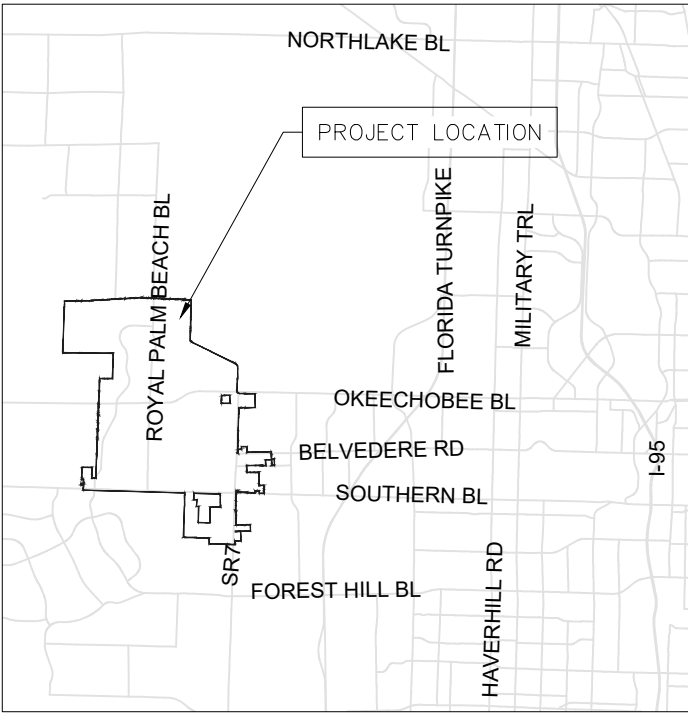
PR1807



BID PLANS

Fred Pinto	Mayor
Selena Smith	Vice Mayor
Jeff Hmara	Councilman
Jan Rodusky	Councilwoman
Richard Valuntas	Councilman

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GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS DATED 2021-22 AND
STANDARD SPECIFICATIONS FOR ROAD & BRIDGE
CONSTRUCTION DATED 2021-22, AS AMENDED BY
CONTRACT DOCUMENTS.

DESIGNED BY:
DRAWN BY:
REVIEWED BY:

DATE: JUNE 2021
SHEET: 01 OF 40

Revision Description

By Date

ROBINER PARK PATHWAY & KAYAK LAUNCH
PR1807
KEYSHEET

Village of Royal Palm Beach
Planning & Engineering
1090 Royal Palm Beach Boulevard
West Palm Beach, FL 33411
Phone (561) 790-5331 Fax (561) 791-7995

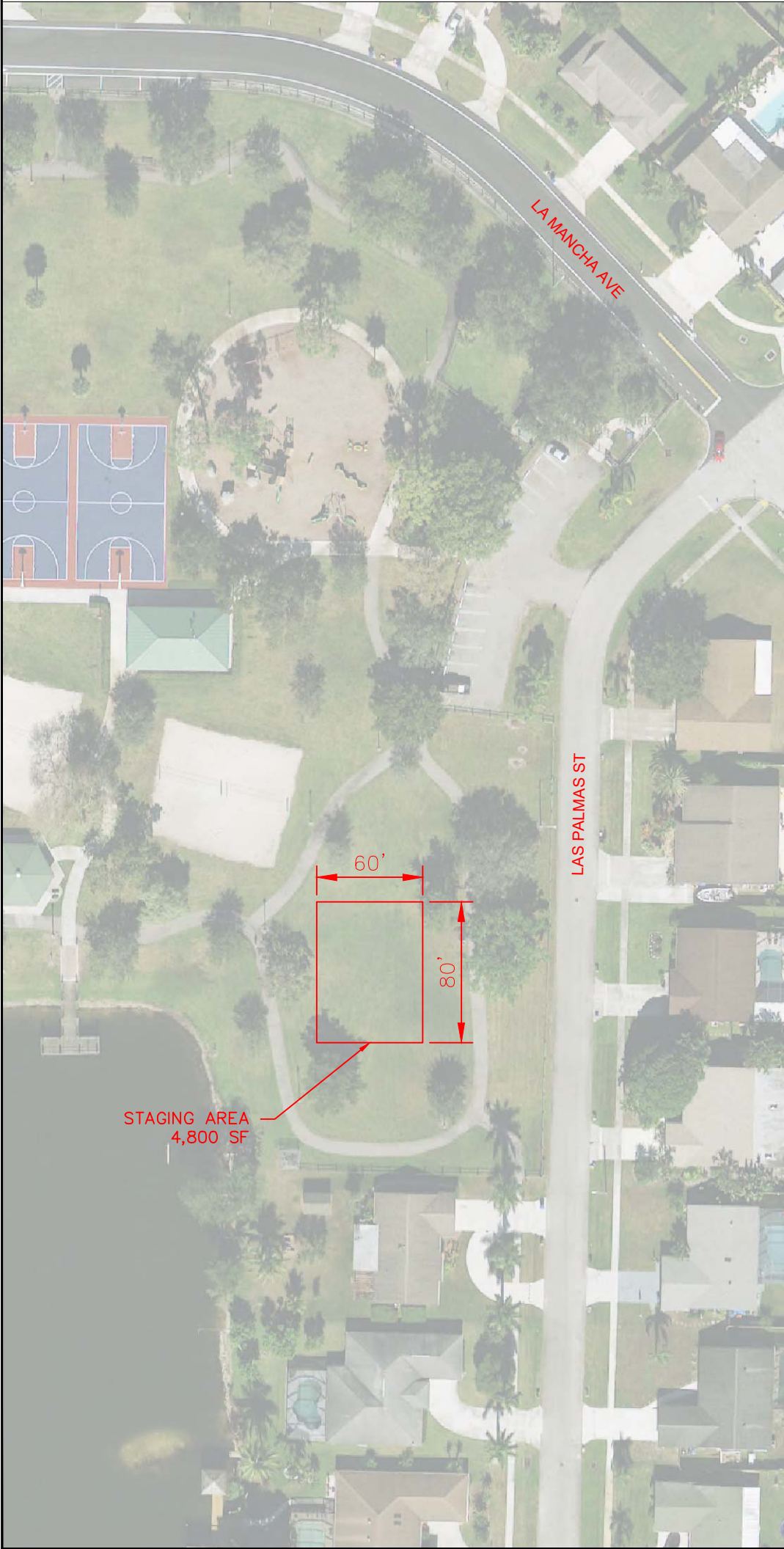
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X:\CAPITAL PROJECTS\PR1807-ROBINER PARK PATHWAY & KAYAK LAUNCH\PRE-BID DOCUMENTS\BID PACKAGE\2) DRAWINGS\02_KEYSHEET_PR1807.DWG 7/21/2021

<div>GENERAL NOTES</div> <div>A. THESE GENERAL NOTES APPLY TO ALL WORK WITHIN THIS SET OF DRAWINGS.</div> <div>B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO ENSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND ARE IN HAND PRIOR TO THE PRE-CONSTRUCTION CONFERENCE AND ARE IN HAND AT THE JOB SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL ABIDE BY ALL PERMIT CONDITIONS. PERMITS APPLICABLE TO THIS PROJECT ARE AS FOLLOWS:<div>B.A. THE VILLAGE OF ROYAL PALM BEACH, FEES WAIVED</div><div>B.B. NPDES</div></div> <div>C. CONTRACTOR IS ADVISED THAT THE US ENVIRONMENTAL PROTECTION AGENCY REQUIRES THAT ALL OPERATIONS FILE A NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NPDES GENERAL PERMIT PRIOR TO BEGINNING WORK. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO OBTAIN THE SAME. A COPY SHALL BE SENT TO THE VILLAGE OF ROYAL PALM BEACH (ATTENTION: ENGINEERING CONSTRUCTION COORDINATOR)</div> <div>D. FLORIDA LAW (FS 553.851 PROTECTION OF UNDERGROUND PIPELINES) MANDATES THAT: "NO EXCAVATOR SHALL COMMENCE OR PERFORM ANY EXCAVATION WITHOUT FIRST OBTAINING INFORMATION CONCERNING THE POSSIBLE LOCATION OF GAS PIPE LINES IN THE AREA OF PROPOSED EXCAVATION". THE EXCAVATOR MUST NOTIFY THE GAS UTILITY A MINIMUM OF 48 HOURS AND A MAXIMUM OF 5 DAYS PRIOR TO THE EXCAVATION EXCLUDING HOLIDAYS, SATURDAYS OR SUNDAYS.</div> <div>E. CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITY COMPANIES OF PROPOSED START OF WORK IN ACCORDANCE WITH THEIR STANDARD REQUIREMENTS. INCLUDING BUT NOT LIMITED TO WATER, SANITARY SEWER, POWER, NATURAL GAS, TELEPHONE AND CABLE TV COMPANIES.</div> <div>F. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.</div> <div>G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH FLORIDA POWER AND LIGHT (FPL) ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.</div> <div>H. CONTRACTOR SHALL VERIFY PROPER CLEARANCE BELOW OVERHEAD POWER LINES PRIOR TO WORKING IN THE VICINITY OF THE POWER LINES.</div> <div>I. ALL WORK SHALL BE OPEN AND SUBJECT TO INSPECTION BY AUTHORIZED PERSONNEL OF THE VILLAGE, INVOLVED UTILITY COMPANIES, PROJECT ENGINEER, REGULATORY AGENCIES.</div> <div>J. ANY DIFFERING SITE CONDITIONS FROM THAT WHICH IS REPRESENTED HEREON, WHETHER ABOVE, ON OR BELOW THE SURFACE OF THE GROUND, SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER, VILLAGE OF ROYAL PALM BEACH IN WRITING. NO CLAIM FOR EXPENSES INCURRED BY THE CONTRACTOR DUE TO DIFFERING SITE CONDITIONS WILL BE ALLOWED IF THE CONTRACTOR FAILS TO PROVIDE THE REQUIRED WRITTEN NOTIFICATION OF SUCH CONDITIONS FOR REVIEW BY THE ENGINEER, VILLAGE OF ROYAL PALM BEACH.</div> <div>K. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS AND THE FIELD CONDITIONS PRIOR TO CONSTRUCTION IN THE AREA OF THE CONFLICT.</div> <div>L. NO EXISTING MATERIAL SHALL BE USED IN NEW CONSTRUCTION UNLESS APPROVED DURING THE SHOP DRAWING APPROVAL PROCESS.</div> <div>M. WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2021 EDITION, AND THE FDOT ROADWAY TRAFFIC DESIGN STANDARDS, 2021 EDITION. ALL FDOT INDEXES ARE INCORPORATED AS PLAN REFERENCES HEREIN. CONTRACTOR IS RESPONSIBLE FOR OBTAINING COMPLETE COPIES OF THE LATEST EDITION OF THE INDEXES.</div> <div>N. CONTRACTOR SHALL PROTECT ADJACENT WATER BODIES, WETLANDS AND PROPERTIES FROM DAMAGE BY SEDIMENTATION OR OTHER POTENTIAL CONSTRUCTION RELATED CAUSES IN ACCORDANCE WITH FDEP REQUIREMENTS.</div> <div>O. CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES WHICH ARE TO BE SAVED, WHETHER SHOWN ON THE PLAN OR DESIGNATED IN THE FIELD.</div> <div>P. IF ANY KNOWN OR SUSPECT CONTAMINATED OR HAZARDOUS MATERIAL IS FOUND ON THE PROJECT OR ENCOUNTERED DURING CONSTRUCTION, CONTRACTOR SHALL IMMEDIATELY CEASE OPERATIONS IN THAT AREA, NOTIFY THE VILLAGE ENGINEER CHRIS MARSH AT 561-790-5161 AND PROTECT THE IMMEDIATE AREA OF SUSPECT CONTAMINATED OR HAZARDOUS MATERIALS FROM FURTHER ACCESS WHO SHALL DIRECT CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECT HAZARDOUS MATERIAL FROM FURTHER ACCESS. PROJECT ENGINEER IS TO NOTIFY THE PROPER REGULATORY AUTHORITY OF THE DISCOVERY. THE PROPER REGULATORY AUTHORITY WILL ADVISE/DIRECT VILLAGE ENGINEER IN THE INVESTIGATION, IDENTIFICATION AND/OR REMOVAL/REMEDIATION OF THE MATERIAL IN QUESTION AS NEEDED. CONTRACTOR SHALL NOT RETURN TO THE AREA OF SUSPECTED CONTAMINATION UNTIL APPROVAL IS PROVIDED BY PROJECT ENGINEER, THE REGULATORY AUTHORITY WILL ADVISE PROJECT ENGINEER IN THESE MATTERS.</div> <div>Q. CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACTED WORK, CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM VILLAGE ENGINEER. CONTRACTOR SHALL PROVIDE A COPY OF THE REQUEST TO THE DISTRICT CONTAMINATION IMPACT COORDINATOR (DCIC). CONTRACTOR SHALL PROVIDE THE DCIC WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE, AND PROVIDE A DESCRIPTION OF THE SPECIFIC MANNER IN WHICH THE MATERIAL WILL BE USED. VILLAGE ENGINEER SHALL COORDINATE WITH THE DCIC PRIOR TO ISSUING WRITTEN APPROVAL TO CONTRACTOR. BECAUSE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERTY CONTAINERIZED AS HAZARDOUS MATERIALS, SUCH PRODUCTS DO NOT REQUIRE AN MSDS SUBMITTAL. ALL BULK PETROLEUM PRODUCTS STORED ON SITE SHALL REQUIRE PROPER STORAGE WHICH INCLUDES SECONDARY CONTAINMENT.</div> <div>II. SURVEY DATA</div> <div>A. THE CONTRACTOR SHALL PROTECT ALL PERMANENT REFERENCE MONUMENTS AND TAKE ALL PRECAUTIONS TO AVOID DAMAGES TO SURVEY MARKERS DURING CONSTRUCTION. ANY SURVEY MARKERS DAMAGED DURING CONSTRUCTION WILL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.</div> <div>B. BENCHMARK LOCATION AND ELEVATION ARE REPRESENTED BY SURVEYOR AT THE TIME OF SURVEY, CONTRACTOR SHALL VERIFY ITS CORRECTNESS AT THE TIME OF CONSTRUCTION.</div> <div>III. PRE CONSTRUCTION RESPONSIBILITIES</div> <div>A. UPON NOTICE OF AWARD, THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION CONFERENCE INCLUDING ALL INVOLVED GOVERNMENTAL AGENCIES, ALL AFFECTED UTILITY OWNERS, THE ENGINEER, VILLAGE OF ROYAL PALM BEACH.</div> <div>B. THE CONTRACTOR SHALL CONTACT "SUNSHINE STATE ONE CALL OF FLORIDA, INC. (1-800-432-4770) AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.</div> <div>C. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE PROJECT AREA.</div> <div>D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH</div>		<div>IT FAILS TO REQUEST LOCATIONS FROM THE UTILITY OWNER. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED.</div> <div>E. CONTRACTOR TO PERFORM SOFT DIGGING, COST TO BE INCLUDED IN APPLICABLE PAY ITEM.</div> <div>F. IF, UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT THAN THAT SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.</div> <div>G. THE LOCATIONS OF EXISTING UTILITIES, STORM DRAINAGE, AND IRRIGATION SHOWN ON THE PLANS ARE APPROXIMATE, HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE, AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE EXISTING UTILITIES, STORM DRAINAGE, OR IRRIGATION SHOWN ON PLANS OR FOR ANY EXISTING UTILITIES, STORM DRAINAGE, OR IRRIGATION NOT SHOWN ON PLANS. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS FOR THE FIELD LOCATIONS AND FOR ANY RELOCATION OF THE VARIOUS EXISTING UTILITIES, STORM DRAINAGE, OR IRRIGATION WITH THE UTILITY OWNERS, WHICH SHALL BE DONE IN A TIMELY MANNER TO MINIMIZE THE IMPACT ON THE CONSTRUCTION SCHEDULE. ANY DELAY CAUSED BY THE CONTRACTOR FOR THE RELOCATION OF UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.</div> <div>H. CONTRACTOR SHALL COORDINATE AND VERIFY ALL ADA ACCESSIBLE ROUTES AND GRADES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY ISSUES THAT ARISE WITH THE PROPOSED GRADE.</div> <div>I. CONTRACTOR SHALL MAINTAIN TEMPORARY PEDESTRIAN ACCESS IN COMPLIANCE WITH THE LATEST A.D.A. REQUIREMENTS ON AT LEAST ONE SIDE OF THE PROJECT AT ALL TIMES.</div> <div>IV. SHOP DRAWINGS</div> <div>A. PRIOR TO ANY CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER OF RECORD. SEE SECTION 01300 SUBMITTALS AND PROGRESS SCHEDULES FOR SUBMITTAL FORMAT.</div> <div>B. CONTRACTOR SHALL CONFIRM COMPATIBILITY OF PIPE SLOPES AND INVERTS DURING THE SHOP DRAWING AND MATERIALS ORDERING PHASE OF THE PROJECT AND ADVISE THE ENGINEER OF ANY DISCREPANCIES.</div> <div>C. INDIVIDUAL SHOP DRAWINGS FOR ALL PRECAST STRUCTURES ARE REQUIRES. CATALOG LITERATURE WILL NOT BE ACCEPTED FOR PRECAST STRUCTURES.</div> <div>V. CONSTRUCTION SAFETY</div> <div>A. ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER, IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL SHALL BE STRICTLY OBSERVED.</div> <div>VI. TRENCH SAFETY</div> <div>A. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT.</div> <div>B. WHERE EXCAVATIONS TO A DEPTH IN EXCESS OF FIVE FEET (5') ARE REQUIRED, THE CONTRACTOR SHALL INCLUDE THE FOLLOWING INFORMATION IN THE BID<ul style="list-style-type: none">A REFERENCE TO THEPSTRENCH SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT.WRITTEN ASSURANCES BY THE CONTRACTOR PERFORMING THE TRENCH EXCAVATION THAT EXCAVATION WILL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.A SEPARATE ITEM IDENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY STANDARDS.</div> <div>VII. TEMPORARY FACILITIES</div> <div>A. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY TO ITS EMPLOYEES AND SUBCONTRACTORS FOR THEIR USE DURING CONSTRUCTION.</div> <div>B. MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHT OF WAYS SHALL BE IN ACCORDANCE WITH THE MUTCD AND FDOT DESIGN STANDARDS, BOTH BEING OF THE CURRENT EDITION AT THE TIME OF BIDDING. CONTRACTOR SHALL SUBMIT A TEMPORARY TRAFFIC CONTROL PLAN INDICATING PHASE SEQUENCE OF CONSTRUCTION.</div> <div>C. DRIVEWAY INGRESS/EGRESS, MAIL SERVICE AND GARBAGE COLLECTION SHALL BE MAINTAINED AT ALL TIMES.</div> <div>D. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS AND WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.</div> <div>E. ALL EXISTING UTILITIES, MAIL DELIVERY, AND TRASH PICKUP SHALL BE MAINTAINED IN SERVICE DURING CONSTRUCTION.</div> <div>VIII. PROJECT CLOSE OUT</div> <div>A. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL AND TRASH. THE PAVED AREAS SHALL BE SWEEPED BROOM CLEAN.</div> <div>B. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE ENGINEER OR ANY OTHER PUBLIC AGENCY, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY ITS WORK, EQUIPMENT, EMPLOYEES OR SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED IMMEDIATELY PRIOR TO BEGINNING OF OPERATIONS. THE CONTRACTOR SHALL DO ALL NECESSARY HIGHWAY, DRIVEWAY, WALK OR LANDSCAPING WORK TO SATISFY ANY RESTORATION REQUIREMENTS AT HIS EXPENSE. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.</div> <div>C. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS OR ELSEWHERE AS A RESULT OF CONTRACTOR OPERATIONS , SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION AT THE EXPENSE OF THE CONTRACTOR.</div> <div>D. THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF THE WORK ITEMS COMPLETED.</div> <div>E. ALL "AS-BUILT" INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR,AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.</div> <div>F. REFER TO PROJECT GENERAL REQUIREMENTS SECTION 01720-PROJECT RECORD DOCUMENTS OF THE CONTRACT DOCUMENTS FOR AS BUILT REQUIREMENTS.</div> <div>IX. EARTHWORK</div> <div>A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE EXISTING SITE CONDITIONS DURING THE BID PREPARATION TO DETERMINE IF ANY OFFSITE MATERIALS WILL NEED TO BE IMPORTED TO ACHIEVE THE GRADES SPECIFIED ON THE PLANS.</div>	<div>B. PRIOR TO BID PREPARATION, THE CONTRACTOR MUST BECOME FAMILIAR WITH THE EXISTING SITE CONDITIONS AND PERFORM ADDITIONAL INVESTIGATIONS AS DETERMINED NECESSARY TO UNDERSTAND THE LIMIT AND DEPTH OF EXPECTED ORGANIC MATERIAL, ADEQUACY OF EXISTING MATERIALS AS FILL, DEWATERING REQUIREMENTS, CLEAN FILL REQUIRED FROM OFFSITE AND MATERIALS TO BE DISPOSED OF OFFSITE. ANY DELAY, INCONVENIENCE OR EXPENSE CAUSED TO THE CONTRACTOR DUE TO INADEQUATE INVESTIGATION OF EXISTING CONDITIONS SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED. THE MATERIALS ANTICIPATED TO BE ENCOUNTERED DURING CONSTRUCTION MAY REQUIRE DRYING PRIOR TO USE AS BACKFILL AND THE CONTRACTOR MAY HAVE TO IMPORT MATERIALS, AT NO EXTRA COST, FROM OFFSITE TO MEET THE REQUIREMENTS FOR COMPACTION AND PROPER FILL.</div> <div>XI. PAVING GRADING AND DRAINAGE NOTES</div> <div>A. ALL CURB RADII AND DIMENSIONS ARE TO THE EDGE OF PAVEMENT.</div> <div>B. CONTRACTOR ACCEPTS SITE AS IS. ANY REPAIRS TO EXISTING SITE ELEMENTS INCLUDING PAVEMENT, SIDEWALKS, CURBING, DRAINAGE, SANITARY SEWER, WATER, SIGNING AND STRIPING, SHALL BE INCLUDED IN THE BID PRICE.</div> <div>C. ALL UTILITIES SHALL BE ADJUSTED TO NEW FINISHED GRADE AND PROPERLY SET TO PAVEMENT CROSS SLOPE AS SHOWN ON PLANS.</div> <div>D. GRADING FROM PROPOSED TO EXISTING CONDITIONS SHALL NOT BE STEEPER THAN 6H:1V NOR FLATTER THAN 20H:1V, ALL SWALES AND SLOPES SHALL BE SODDED AFTER GRADING.</div> <div>E. ALL EXPOSED ENDS OF CURB SHALL BE TRANSITIONED TO FINISHED GRADE.</div> <div>F. CONTRACTOR IS RESPONSIBLE FOR GRADING ALL PAVEMENT TO DRAIN POSITIVELY. INTERSECTIONS SHALL BE TRANSITIONED TO PROVIDE A SMOOTH DRIVING SURFACE WHILE MAINTAINING POSITIVE DRAINAGE. SHOULD AREAS OF POOR DRAINAGE BE OBSERVED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO THE PLACEMENT OF CURBS AND PAVEMENT COURSES SO THAT THE RECOMMENDATIONS FOR CORRECTION CAN BE MADE.</div> <div>G. PAVEMENT GRADES OF ADA ROUTES NOT TO EXCEED 2% IN ANY DIRECTION EXCEPT AT A PUBLIC CURB RAMP FDOT INDEX NO 522-022.</div> <div>H. ALL PEDESTRIAN ACCESS RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FDOT INDEX NO. 522-022.</div> <div>I. ALL OFFSITE DISTURBED AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER.</div> <div>J. ELEVATIONS GIVEN AT GRASSED AREAS ARE GIVEN AT FINISHED SOD/SEED GRADE.</div> <div>K. PIPE LENGTHS SHOWN REPRESENT SCALED DISTANCES BETWEEN CENTERLINES OF DRAINAGE STRUCTURES AND FROM INVERTS OF ENDWALLS AND/OR MITERED END SECTIONS.</div> <div>L. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF DEBRIS AND SILT FROM EXISTING DRAINAGE SYSTEM THROUGHOUT AFFECTED AREAS.</div> <div>M. THE SEQUENCE OF CONSTRUCTION SHALL BE SUCH THAT ALL UNDERGROUND INSTALLATIONS OF ANY KIND, INCLUDING IRRIGATION AND ELECTRICAL CONDUITS, THAT WILL REMAIN UNDER THE PROPOSED PAVEMENT OR WITHIN 10 FEET OF ITS EDGES SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF THE BASE.</div> <div>X. SIGNING AND PAVEMENT MARKING NOTES</div> <div>A. ALL PAVEMENT MARKINGS ON ASPHALT SHALL BE THERMOPLASTIC.</div> <div>B. ALL PAVEMENT MARKINGS ON CONCRETE SHALL BE DURABLE TRAFFIC PAINT..</div> <div>C. TRAFFIC MARKINGS SHALL CONFORM TO AND BE APPLIED IN ACCORDANCE WITH CHAPTER 700 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. AND THE MUTCD.</div> <div>D. ALL REFLECTIVE PAVEMENT MARKINGS SHALL BE INSTALLED IN CONFORMANCE WITH SECTION 706 OF THE FDOT SSRBC.</div> <div>E. ALL TRAFFIC SIGNS SHALL BE CONSTRUCTED OF HIGHLY REFLECTIVE MATERIAL AND BE "STANDARD SIZE" AS ESTABLISHED IN THE MUTCD.</div> <div>F. PROVIDE 90 DAY BURN IN PERIOD PER PALM BEACH COUNTY STANDARDS.</div> <div>G. ALL PROPOSED SIGN POSTS SHALL BE ALUMINUM AND SIZED FOR 150 MPH PER INDEX SERIES 700 OF THE FDOT STANDARD PLANS FOR ROAD & BRIDGE CONSTRUCTION OF THE CURRENT EDITION AT TIME OF BIDDING.</div>	<div>DESIGNED BY:AD</div> <div>DRAWN BY: AD</div> <div>REVIEWED BY:CM</div>	<div>DATE: JUNE 2021</div> <div>SHEET: 02 OF 40</div>	<div>Revision Description</div> <div>By</div> <div>Date</div>	<div>ROBINER PARK PATHWAY & KAYAK LAUNCH</div> <div>PR1807</div> <div>GENERAL NOTES</div> <div>\\CAPITAL\PROJECTS\PR1807\ROBINER PARK PATHWAY & KAYAK LAUNCH\PRE-BID DOCUMENTS\BID PACKAGE\2) DRAWINGS\03_GENNOTES.PR1807.DWG 7/21/2021</div>	<div>Village of Royal Palm Beach</div> <div>Planning & Engineering</div> <div>11000 Royal Palm Beach Boulevard</div> <div>Royal Palm Beach, Florida 33411</div> <div>Phone: (561) 790-5161 Fax: (561) 791-7095</div>	<div>SEAL</div>
<div>Addendum 2</div> <div>7/21/2021</div>									

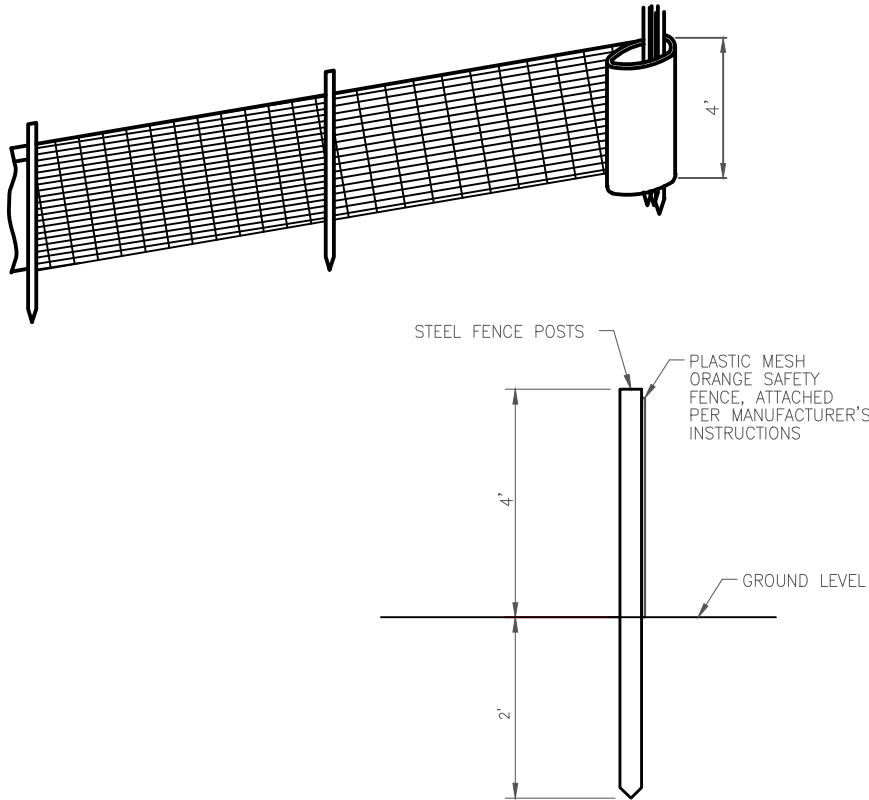
Addendum 2
7/21/2021

STAGING AREA
350 LA MANCHA AVENUE, ROYAL PALM BEACH, FL 33411



GENERAL NOTES:

1. THE CONTRACTOR SHALL CREATE A CONTINUOUS VIDEO RECORD OF STAGING AREA CONDITIONS BOTH BEFORE AND AFTER CONSTRUCTION, IN ACCORDANCE WITH TECHNICAL SPECIFICATION 101: MOBILIZATION.
2. CONTRACTOR IS RESPONSIBLE FOR RESTORING STAGING AREA TO PRE-CONSTRUCTION CONDITION.
3. CONTRACTOR SHALL SURROUND THE ENTIRE STAGING AREA WITH ORANGE SAFETY FENCE, PER DETAIL BELOW.
4. ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A SECURELY COVERED METAL DUMPSTER PROVIDED BY WASTE PRO. THE DUMPSTER SHALL MEET ALL PALM BEACH COUNTY AND STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER SHALL BE EMPTIED AS NEEDED SO THERE IS NO OVERFLOW. TRASH SHALL BE HAULED TO AN AUTHORIZED/PERMITTED LANDFILL FACILITY. ALL PERSONNEL SHALL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE OF WASTE DISPOSAL.
5. ALL HAZARDOUS WASTE MATERIAL SHALL BE DISPOSED OF IN A MANNER SPECIFIED BY LOCAL OR STATE REGULATIONS. SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES.
6. ALL SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF TWICE PER WEEK BY THE LICENSED SANITARY COMPANY, AS REQUIRED BY LOCAL REGULATIONS.
7. ALL ON-SITE VEHICLES AND TANKS SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS, WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON-SITE SHALL BE APPLIED ACCORDINGLY TO THE MANUFACTURER'S RECOMMENDATIONS. ALL ABOVE GROUND TANKS FOR FUELING SHALL BE SECONDARILY CONTAINED.
8. ANY PESTICIDE AND HERBICIDE USAGE SHALL BE BY STATE LICENSED APPLICATORS.
9. FERTILIZERS USED SHALL BE APPLIED ONLY IN THE MINIMUM AMOUNT RECOMMENDED BY THE MANUFACTURER. IF STORED ON-SITE, COVERED STORAGE SHALL BE PROVIDED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZERS SHALL BE TRANSFERRED TO A SEALABLE CONTAINER TO AVOID SPILLS.
10. ALL PAINT CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT SHALL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE OR LOCAL REGULATIONS.
11. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPULIN, AS REQUIRED BY STATE LAW.
12. WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE ACCUMULATED SEDIMENT SHALL BE REMOVED FROM IN AND AROUND ALL INLETS AND CATCH BASINS.
13. NON-STORMWATER DISCHARGES SHALL NOT CAUSE EROSION OR CREATE TURBIDITY WITHIN THE RECEIVING BODY AND SHALL BE IN COMPLIANCE WITH REGULATORY REQUIREMENTS. THESE DISCHARGES MAY INCLUDE WATER LINE FLUSHING, FIRE FIGHTING ACTIVITIES, FIRE HYDRANT FLUSHING, DUST CONTROL, IRRIGATION DRAINAGE AND AIR CONDITIONING CONDENSATE AND WATER USED TO SPRAY OFF LOOSE SOLIDS FROM VEHICLES (WASTEWATER FROM A MORE THOROUGH CLEANING, INCLUDING THE USE OF DETERGENTS OR OTHER CLEANERS IS NOT PERMITTED)
14. ALL EXISTING TREES AND LANDSCAPING SHALL BE PROTECTED.
15. ALL ACTIVITIES WITHIN THE STAGING AREA ARE REQUIRED TO COMPLY WITH NPDES REQUIREMENTS.

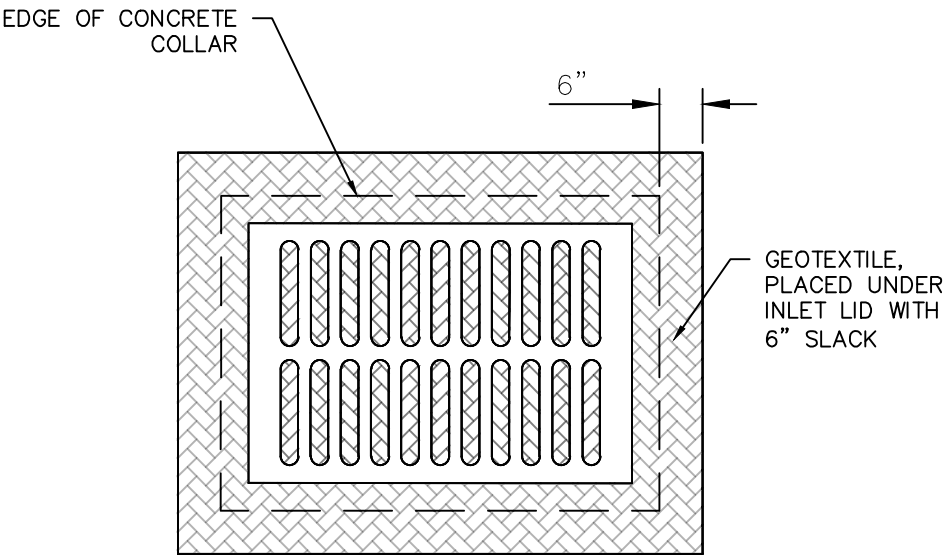


NOTES:

1. THE CONTRACTOR SHALL INSPECT AND REPAIR THE SAFETY FENCE AT THE BEGINNING AND END OF EACH WORK DAY.

ORANGE SAFETY FENCE DETAIL
N.T.S.

Addendum 2
7/21/2021



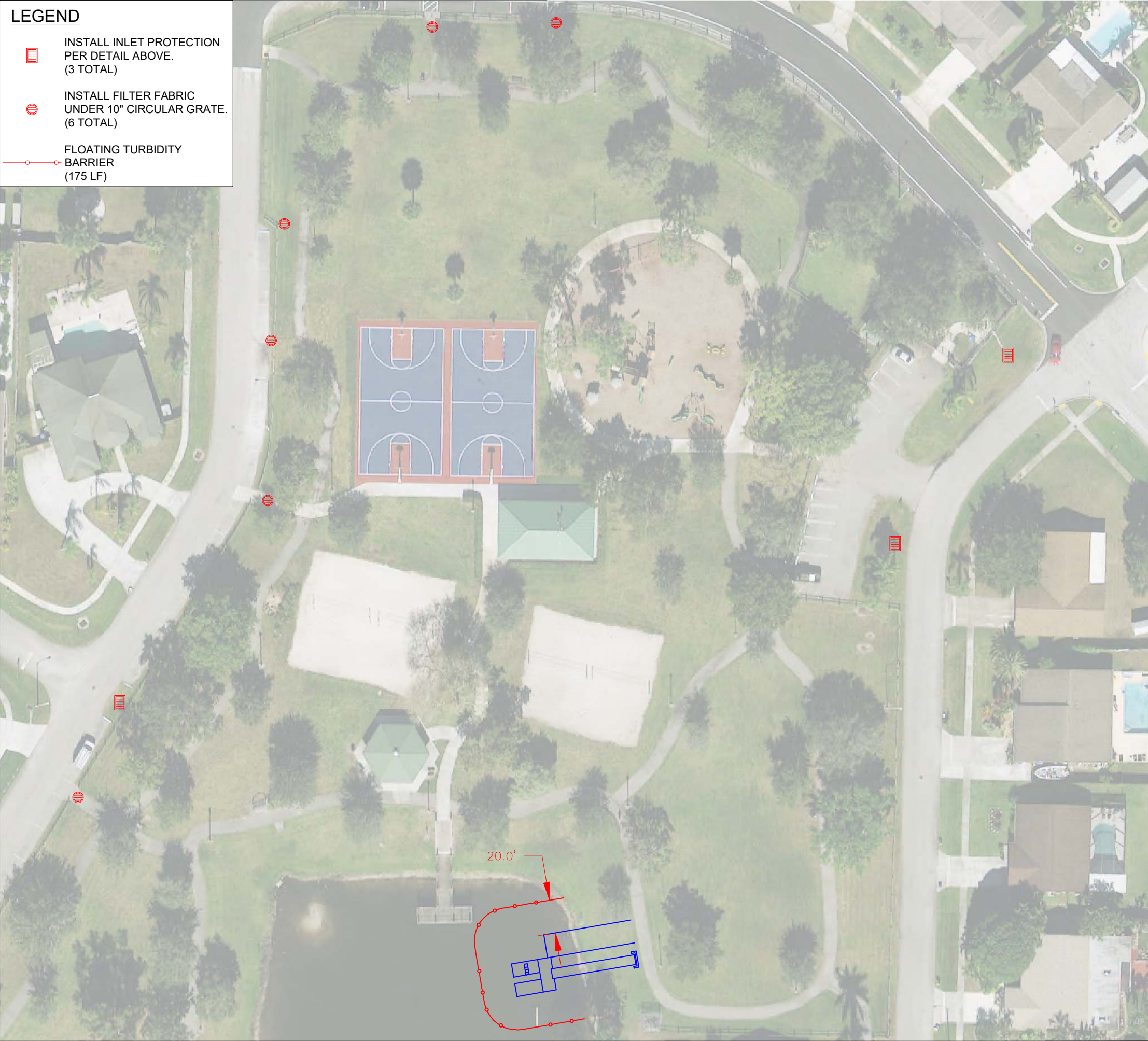
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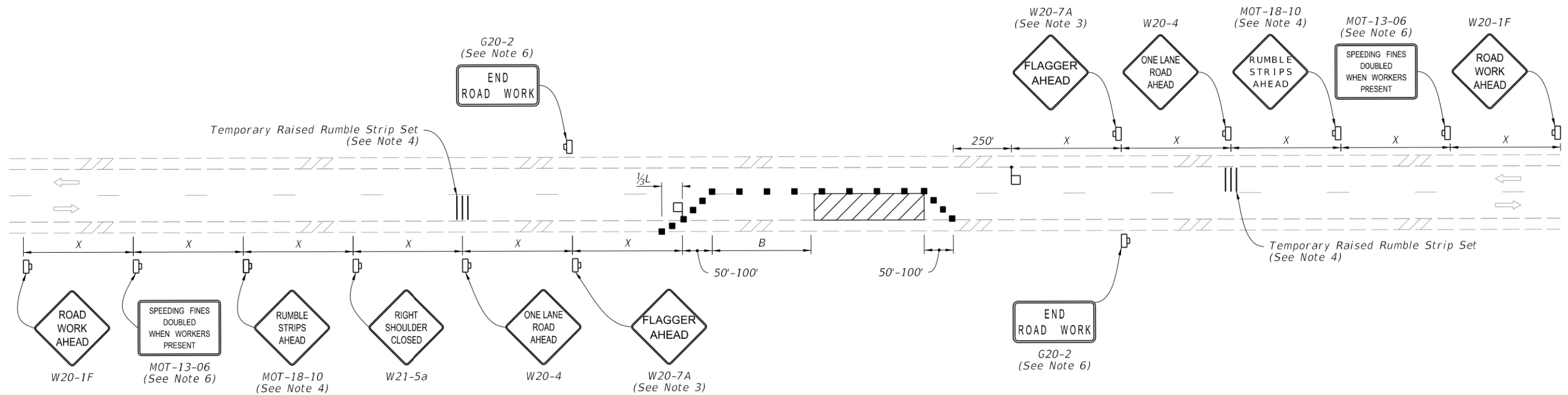
1. GEOTEXTILE SHALL HAVE AN EDS OF 40-85.
2. CUT GEOTEXTILE FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS.
3. SIZE GEOTEXTILE SO THAT THERE IS 6" OF SLACK IN ALL DIRECTIONS AROUND THE INLET GRATE.
4. ALL INLET PROTECTION SHALL BE INSPECTED WHEN THE PROJECT AREA HAS RECEIVED 1/2 INCH RAINFALL WITHIN 24 HRS.
 - 4.1. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE GEOTEXTILE WITHOUT ALLOWING SEDIMENT TO FALL INTO THE INLET.
 - 4.2. TORN OR FALLEN GEOTEXTILE SHEETS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
5. INLET PROTECTION SHALL BE REMOVED PROMPTLY ONCE ALL PROJECT AREAS THAT RUN OFF TO THE BASIN HAVE BEEN STABILIZED AND TRIBUTARY GUTTERS HAVE BEEN CLEANED.

INLET PROTECTION (FILTER FABRIC ONLY)
N.T.S.

LEGEND

- INSTALL INLET PROTECTION PER DETAIL ABOVE. (3 TOTAL)
- INSTALL FILTER FABRIC UNDER 10" CIRCULAR GRATE. (6 TOTAL)
- FLOATING TURBIDITY BARRIER (175 LF)





NOTES:

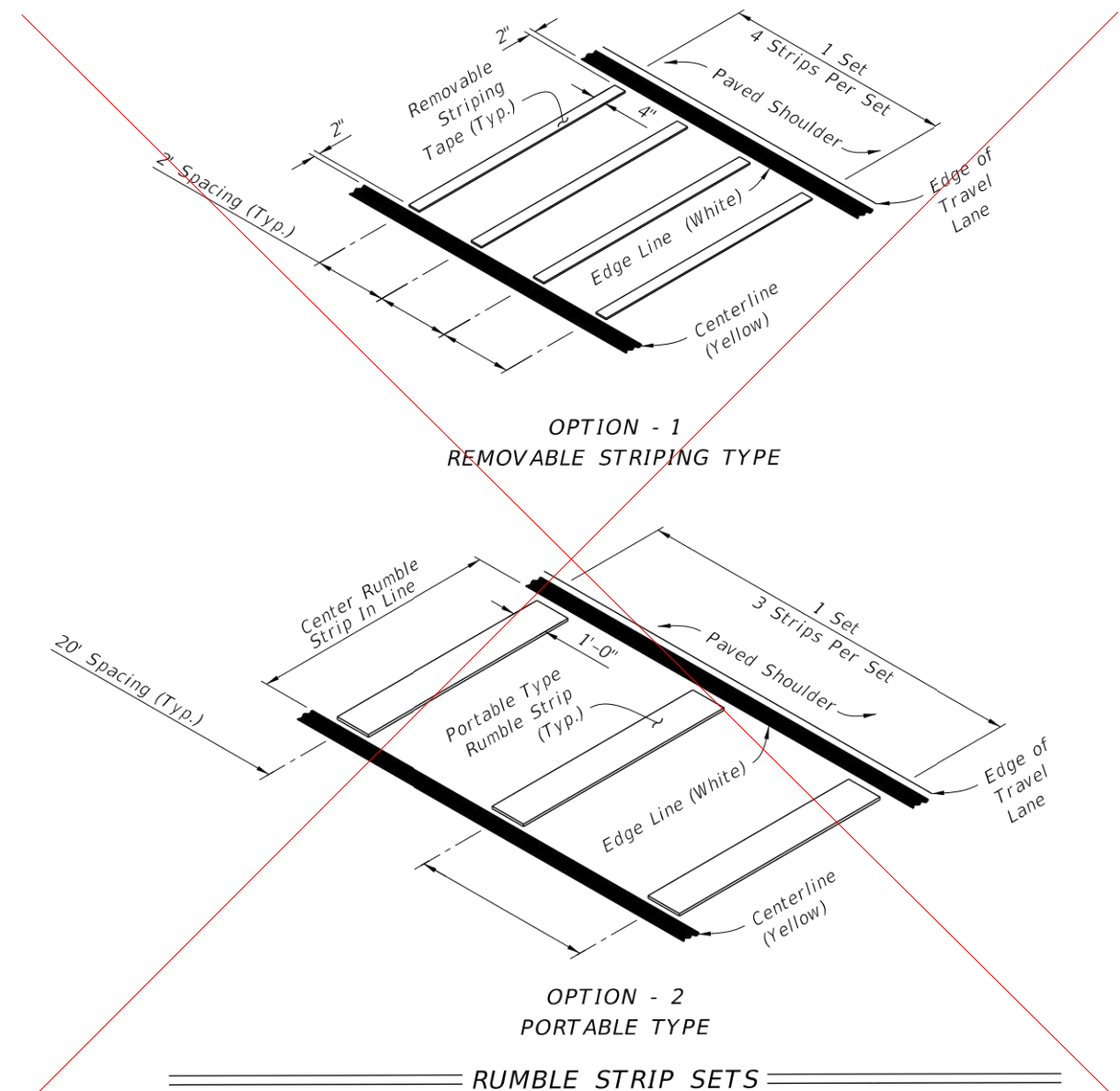
1. This Index applies to Two-Lane, Two-Way Roadways with work within the traveled way.
2. L = Taper Length
B = Buffer Length
X = Work Zone Sign Spacing
See Index 102-600 for "L", "B", "X" and channelizing device spacing values.
3. Optionally, use "Flagger Ahead" sign with symbol (W20-7) instead of "Flagger Ahead" sign with text (W20-7A).
4. Use temporary raised rumble when the existing posted speed is 55 mph or greater and the work duration is greater than 60 minutes. If temporary raised rumble strips are not used, omit "Rumble Strips Ahead" signs (MOT-18-10) and associated work zone sign spacing.
5. Additional one-way control may be provided by the following means:
 - a. Flag-carrying vehicle
 - b. Official vehicle
 - c. Pilot vehicles
 - d. Traffic signals

When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.

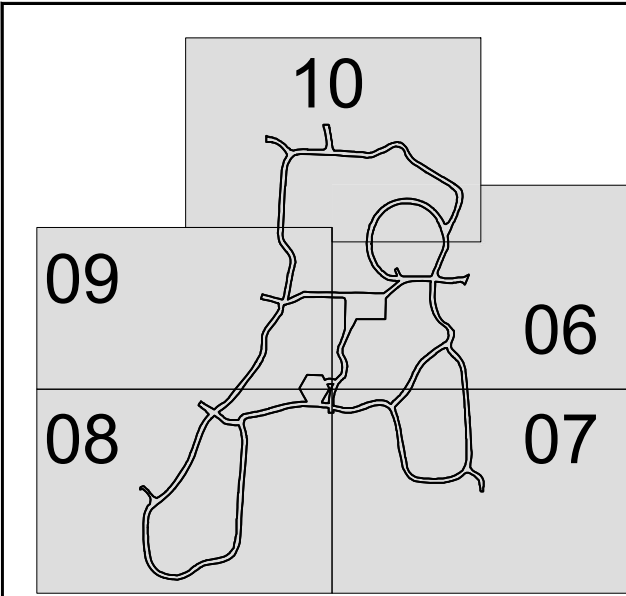
SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic
- Flagger

6. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign spacing, may be omitted when the work zone will be in place for 24 hours or less.
7. Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specification Sections 102, 990 and the APL vendor drawings.
8. Special Conditions may be required in accordance with these notes and the following sheets:
 - A. Railroad Crossings:
 - a. If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 2.
 - b. If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or flagger at the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.
 - B. If the Work Area encroaches on the Centerline, use the Layout for Temporary Lane Shift to Shoulder on Sheet 2 only if the Existing Paved Shoulder width is sufficient to provide for an 11' lane between the Work Area and the Edge of Existing Paved Shoulder and the Work Zone will be in place for 24 hours or less. Reduce the posted speed when appropriate.
9. If the work encroaches on a marked bicycle lane or rideable shoulder, close the lane or shoulder in accordance with the Plans.



LAST REVISION	DESCRIPTION:	FY 2021-22 STANDARD PLANS	TWO-LANE, TWO-WAY WORK WITHIN THE TRAVEL WAY	INDEX	SHEET
11/01/20				102-603	1 of 2



Addendum 2
7/21/2021

SEAL

Village of Royal Palm Beach
Planning & Engineering
1000 Royal Palm Beach Boulevard
Royal Palm Beach, FL 33411
Phone: (561) 988-3333 Fax: (561) 988-7095

By

Date

Revision Description

DESIGNED BY: AD

DRAWN BY: AD

REVIEWED BY: CM

DATE: JUNE 2021

SHEET: 06 OF 40

0 15 30 Feet

FORMATTED FOR 12" x 18"



Addendum 2
7/21/2021

SEAL

Village of Royal Palm Beach
Planning & Engineering
10000 Royal Palm Beach Boulevard
Royal Palm Beach, FL 33411-7095
Phone: (561) 995-1300 Fax: (561) 995-7095

ROBINER PARK PATHWAY & KAYAK LAUNCH

PR1807
TOPO SURVEY 2

Revision Description

By	Date	

DESIGNED BY: AD

DRAWN BY: AD

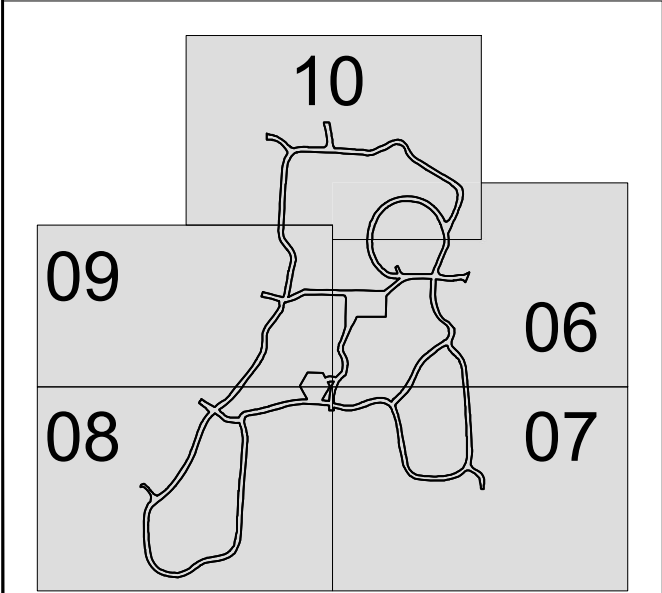
REVIEWED BY: CM

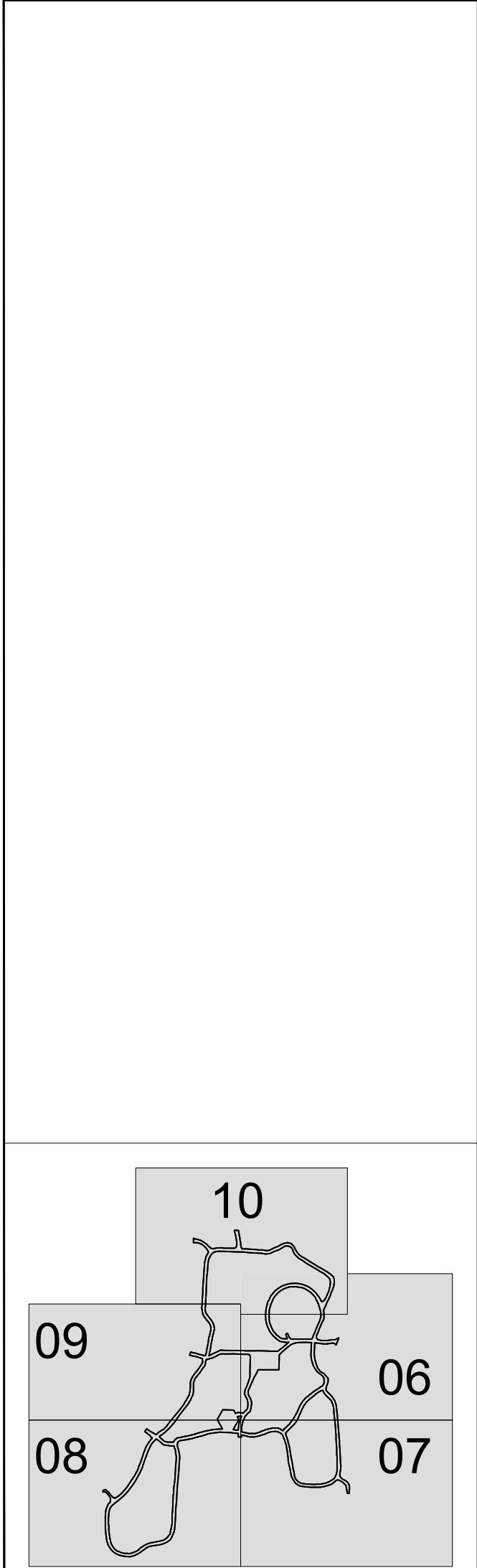
0 15 30 Feet

DATE: JUNE 2021

SHEET: 07 OF 40

FORMED FOR 12' x 18'





SEAL

Village of Royal Palm Beach
Planning & Engineering
1000 Royal Palm Beach Boulevard
Royal Palm Beach, FL 33411-7095
Phone: (561) 988-1331 Fax: (561) 988-7095

ROBINER PARK PATHWAY & KAYAK LAUNCH

PR1807

TOPO SURVEY 3

Revision Description

By Date

DESIGNED BY: AD

DRAWN BY: AD

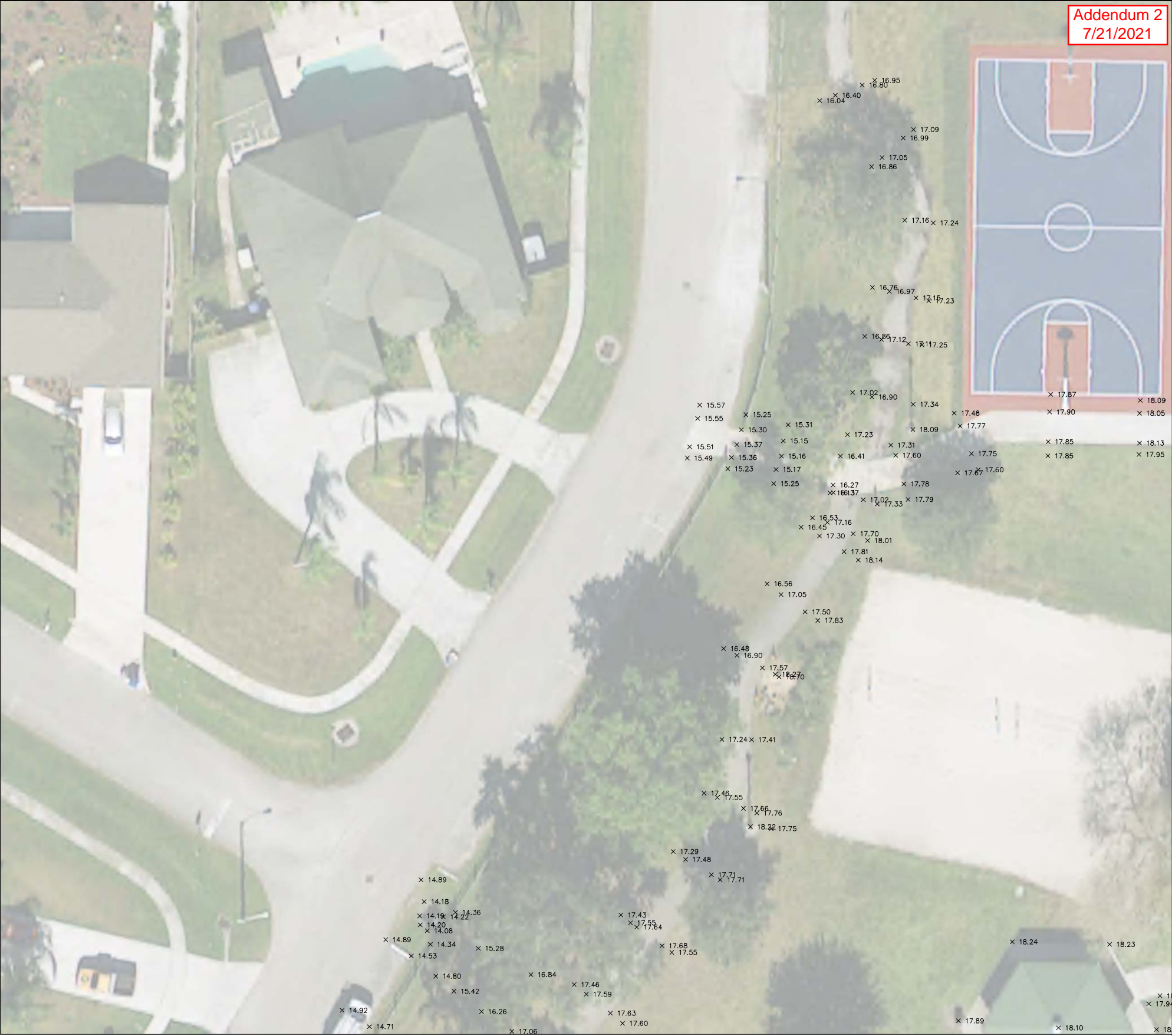
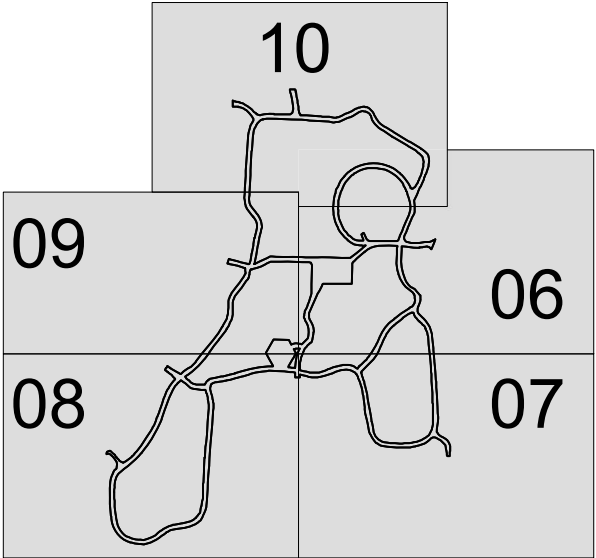
REVIEWED BY: CM

DATE: JUNE 2021

SHEET: 08 OF 40

FORMED FOR 12' x 18'

Addendum 2
7/21/2021



Addendum 2
7/21/2021

SEAL

Village of Royal Palm Beach
Planning & Engineering
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ROBINER PARK PATHWAY & KAYAK LAUNCH

PR1807

TOPO SURVEY 4

By	Date	Revision Description

DESIGNED BY: AD	AD
DRAWN BY: AD	AD
REVIEWED BY: CM	CM

DATE: JUNE 2021
SHEET: 09 OF 40

FORMED FOR 12' x 18'

0 15 30 Feet



Addendum 2
7/21/2021



DATE: JUNE 2021
SHEET: 10 OF 40

DESIGNED BY: AD
DRAWN BY: AD
REVIEWED BY: CM

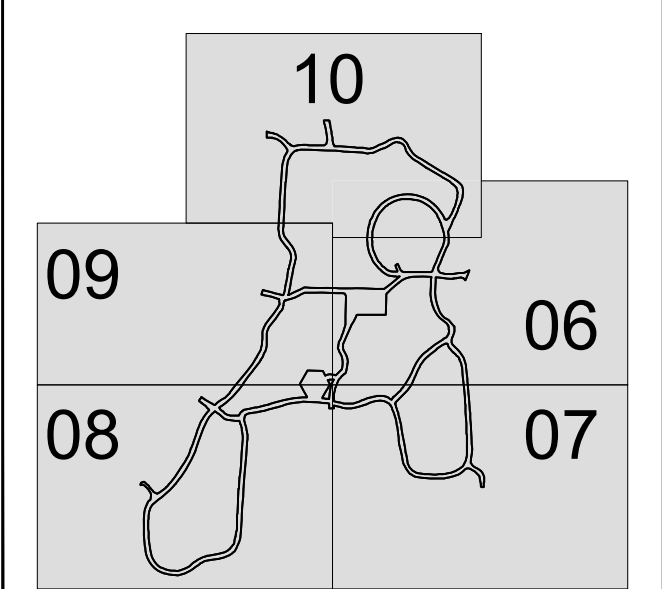
Revision Description

By Date

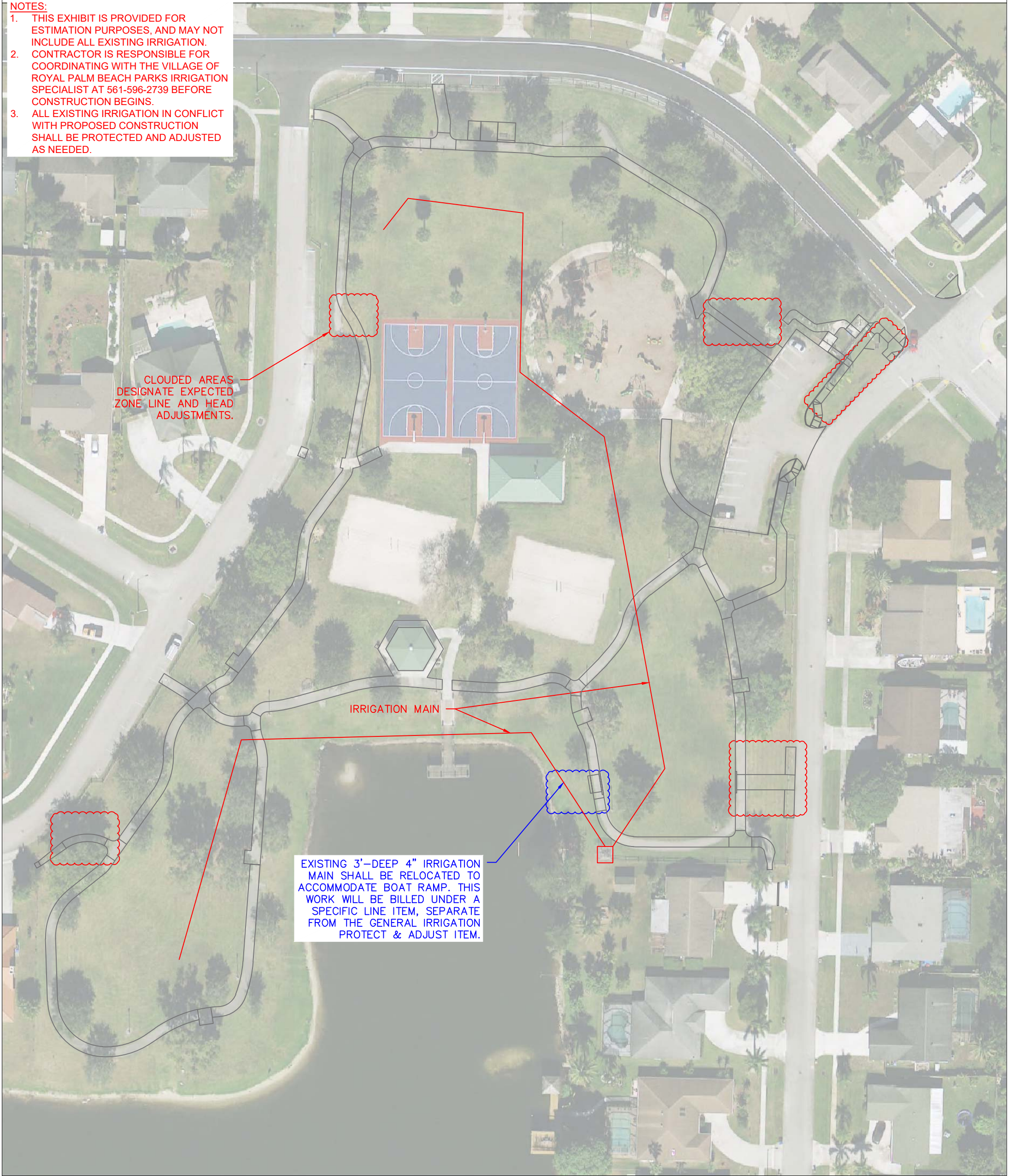
ROBINER PARK PATHWAY & KAYAK LAUNCH
PR1807
TOPO SURVEY 5

Village of Royal Palm Beach
Planning & Engineering
10000 Royal Palm Beach Boulevard
Royal Palm Beach, FL 33411-7095
Phone: (561) 255-1300

SEAL



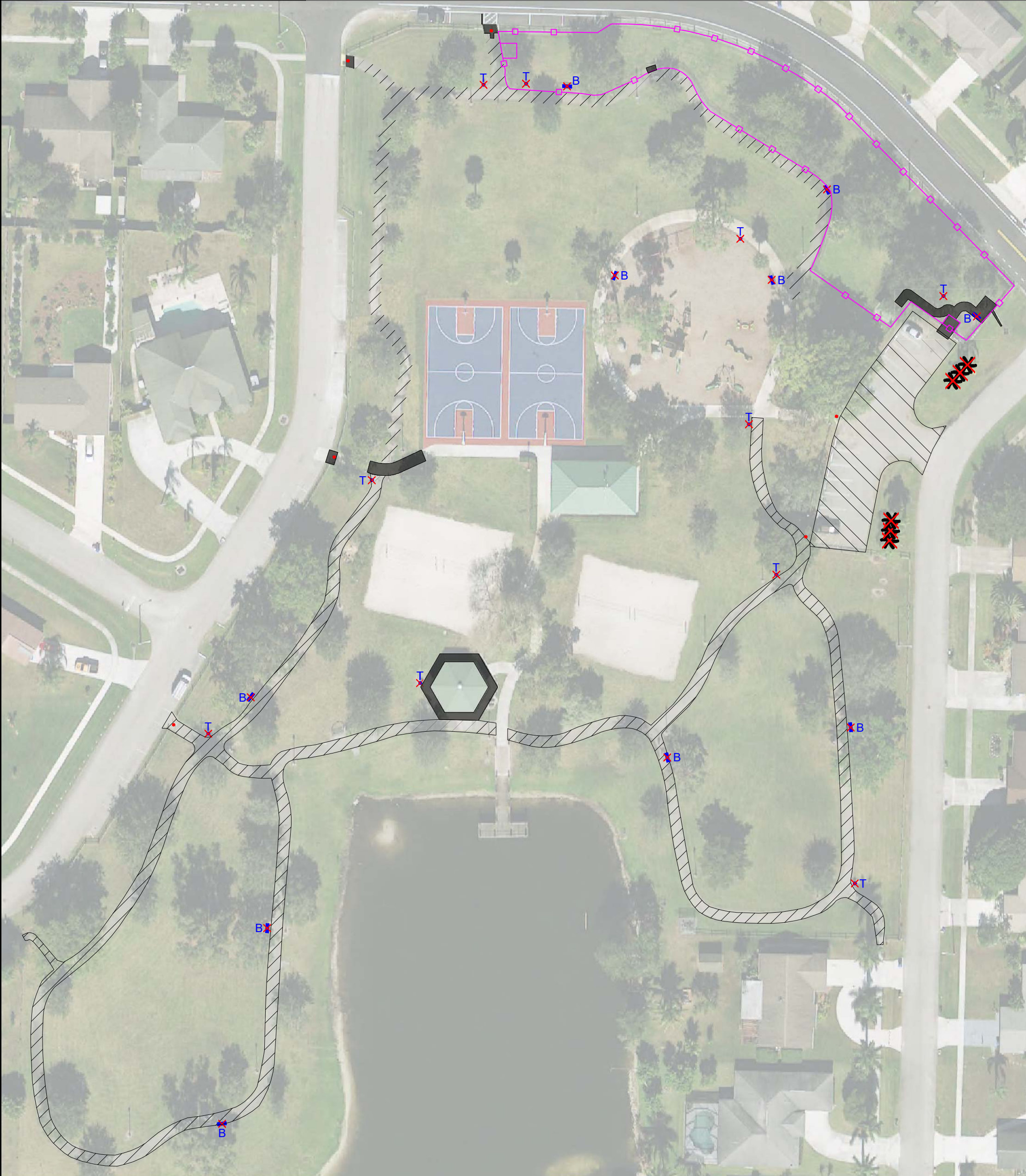
- NOTES:
- 1. THIS EXHIBIT IS PROVIDED FOR ESTIMATION PURPOSES, AND MAY NOT INCLUDE ALL EXISTING IRRIGATION.
 - 2. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE VILLAGE OF ROYAL PALM BEACH PARKS IRRIGATION SPECIALIST AT 561-596-2739 BEFORE CONSTRUCTION BEGINS.
 - 3. ALL EXISTING IRRIGATION IN CONFLICT WITH PROPOSED CONSTRUCTION SHALL BE PROTECTED AND ADJUSTED AS NEEDED.



DEMO LEGEND

	CHAIN LINK DOG PARK FENCE	1000 LF
	ASPHALT PATHWAY	2396 SY
	ASPHALT PARKING LOT	789 SY
	CONCRETE PATHWAY	200 SY
	TRASH CAN	10 EA
	BENCH	10 EA
	REMOVE QUEEN PALMS (10' - 15' TALL)	6 EA
	REMOVE BOLLARD	6 EA

Addendum 2
7/21/2021



SEAL

Village of Royal Palm Beach
Planning & Engineering
Christopher A. Marsh, P.E., 62560
1050 Royal Palm Beach Boulevard
Royal Palm Beach, FL 33411
Phone (561) 790-5131 Fax (561) 791-7095

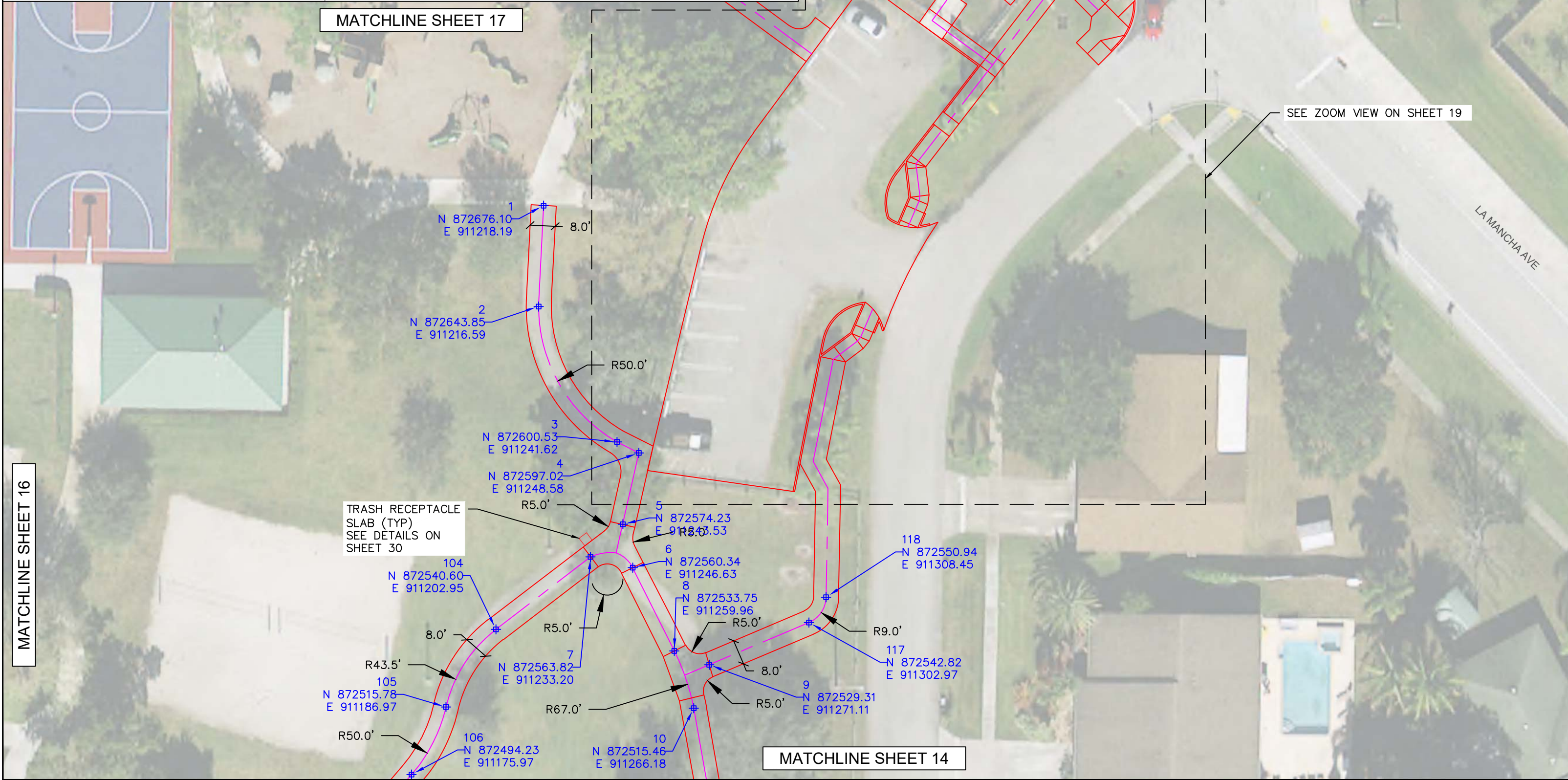
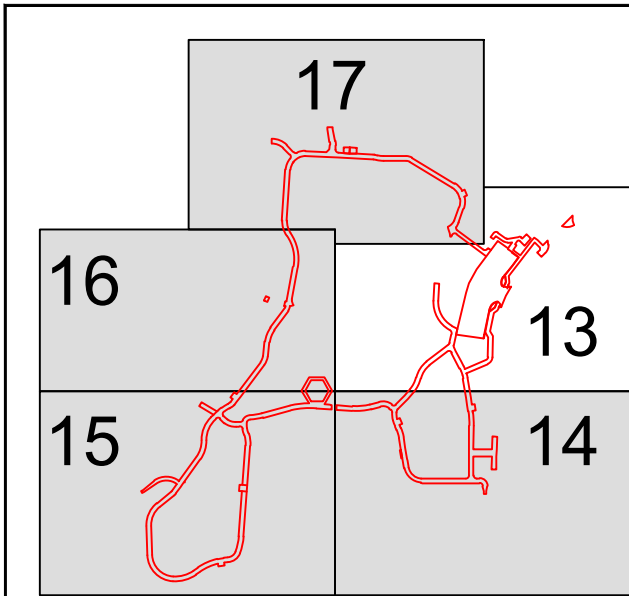
ROBINER PARK PATHWAY & KAYAK LAUNCH
PR1807
DEMO

By	Date	Revision Description

DESIGNED BY: AD
DRAWN BY: AD
REVIEWED BY: CM

0 30 60 Feet
DATE: JUNE 2021
SHEET: 12 OF 40





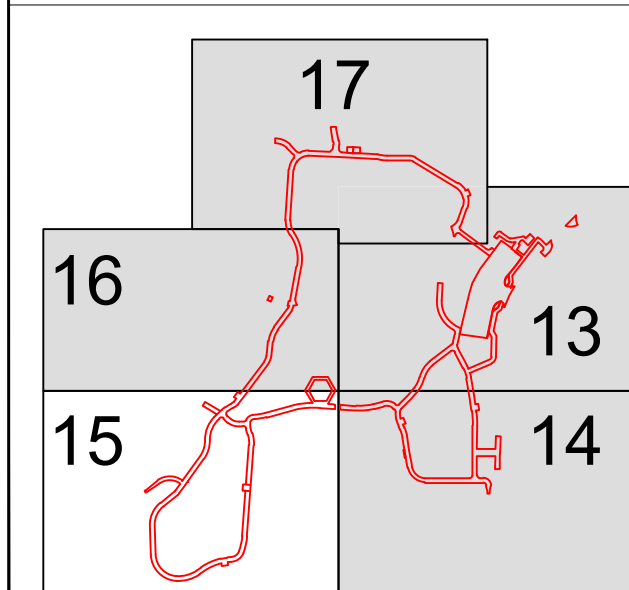
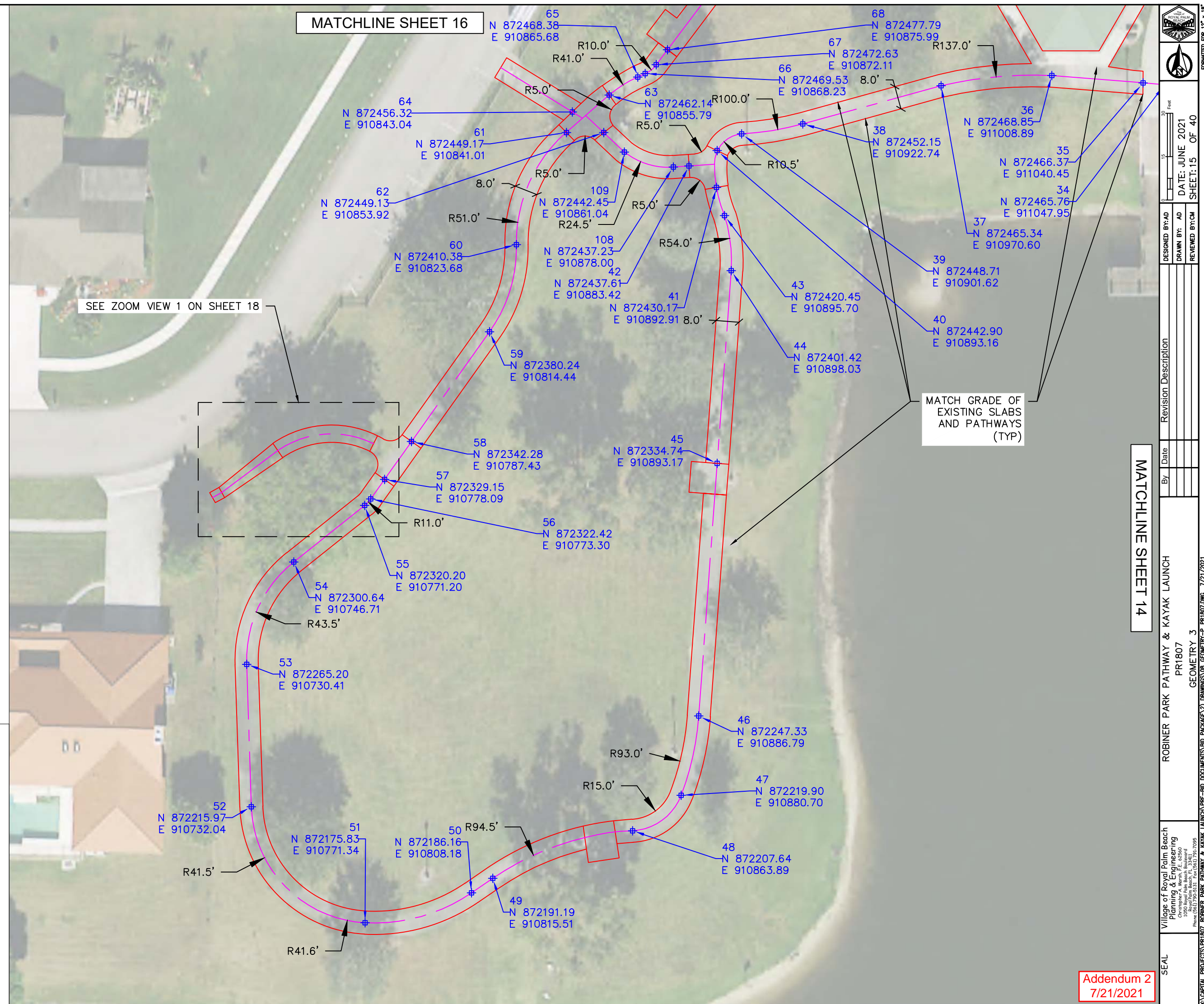
MATCHLINE SHEET 16

MATCHLINE SHEET 17

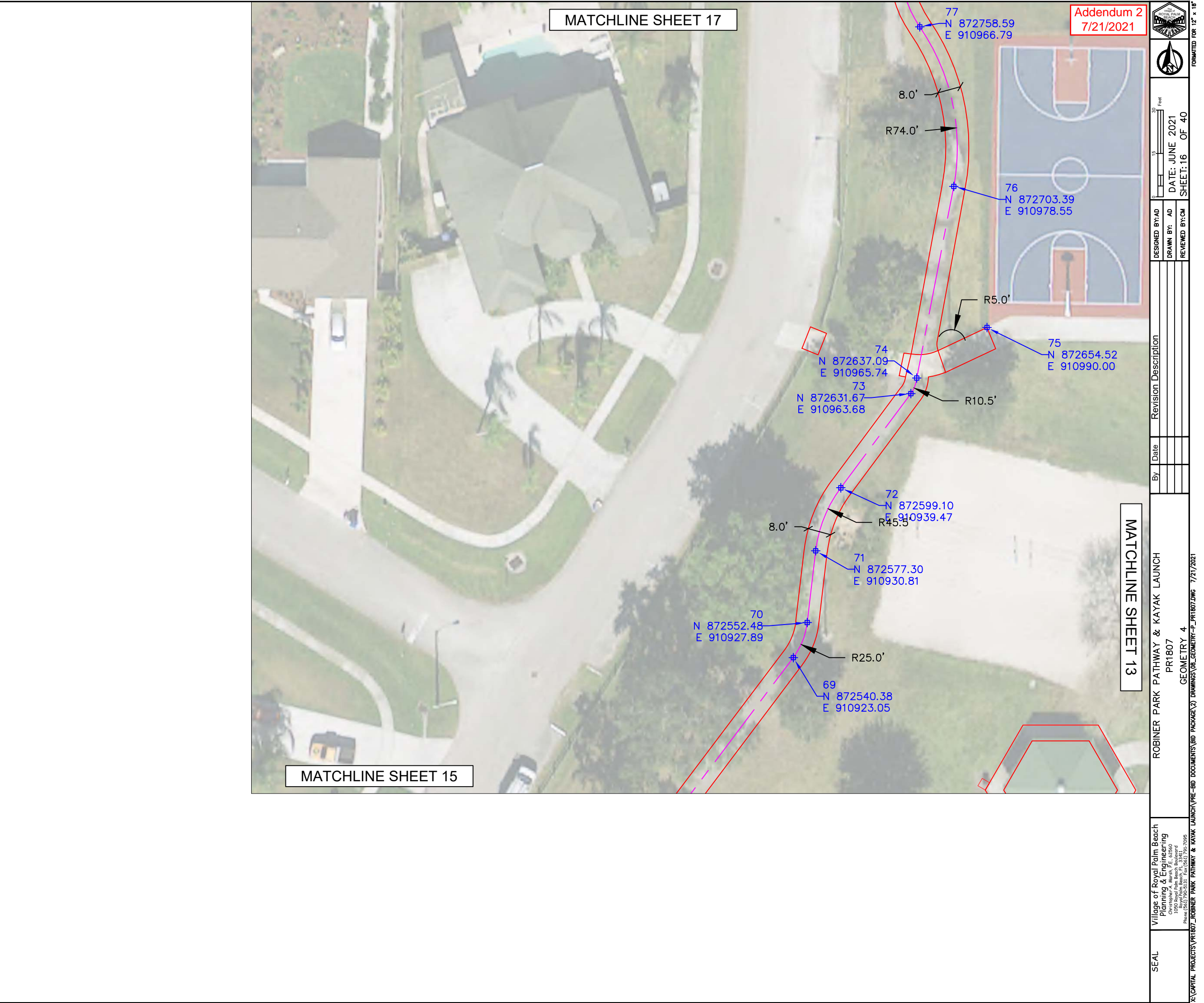
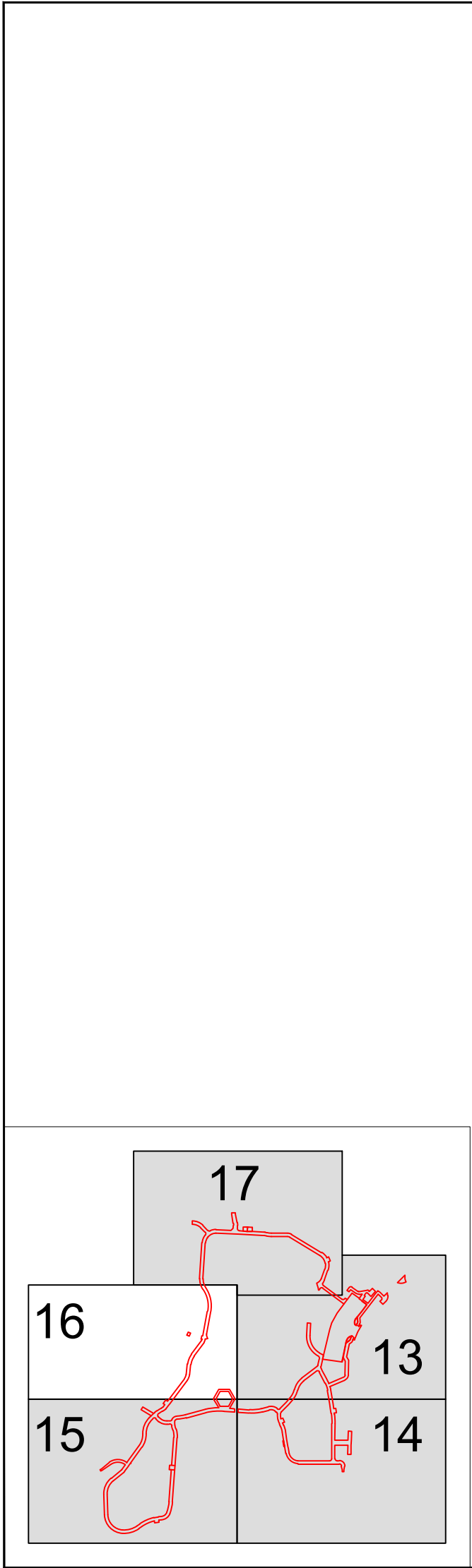
MATCHLINE SHEET 14

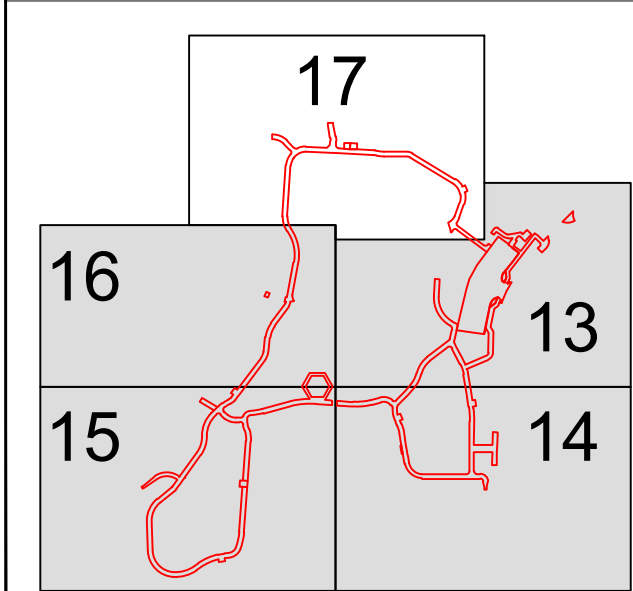
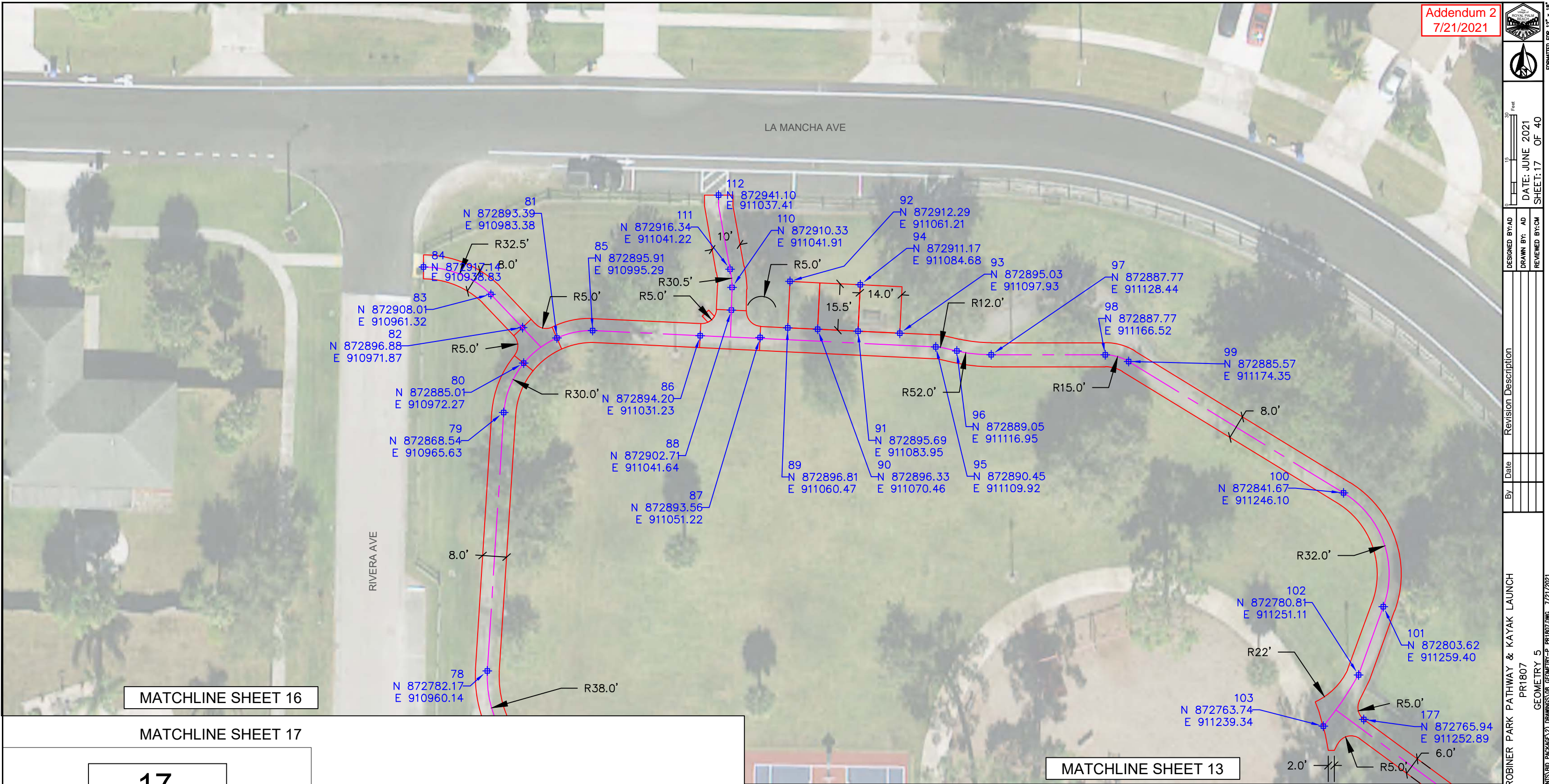
Addendum 2
7/21/2021

SEAL	Village of Royal Palm Beach Planning & Engineering 10000 Royal Palm Beach Boulevard Royal Palm Beach, FL 33411-7095 Phone: (561) 988-3333 Fax: (561) 988-7095	ROBINER PARK PATHWAY & KAYAK LAUNCH		PR1807 GEOMETRY 1	X:\CAPITAL PROJECTS\PR1807_ROBINER PARK PATHWAY & KAYAK LAUNCH\PRE-BID DOCUMENTS\BID PACKAGE\2) DRAWINGS\OR_GEO\METRY-P_PR1807.DWG 7/21/2021
		By	Date		
		Revision Description			
DESIGNED BY: AD	DRAWN BY: AD	REVIEWED BY: CM	DATE: JUNE 2021	SHEET: 13 OF 40	

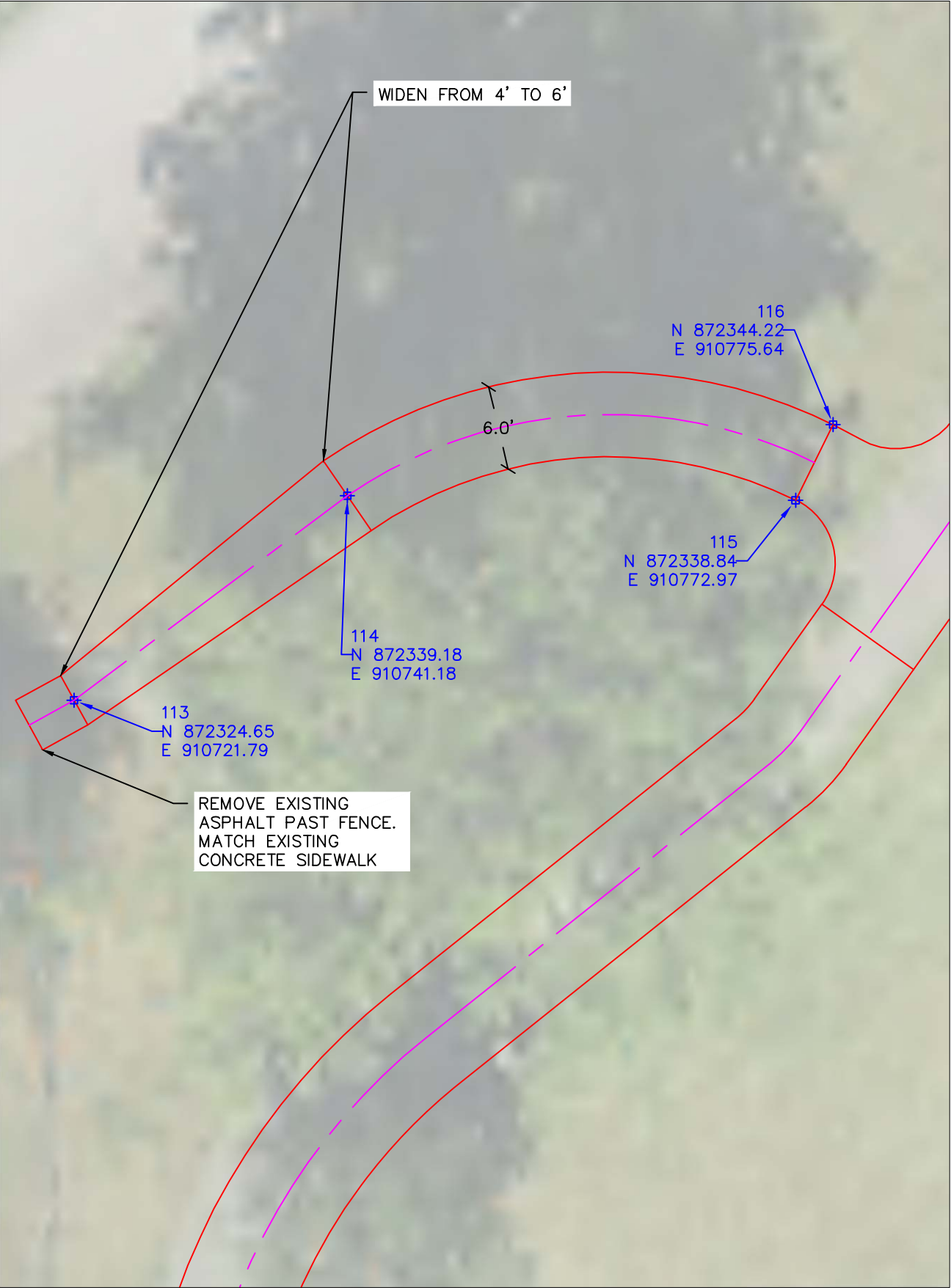


Addendum 2
7/21/2021

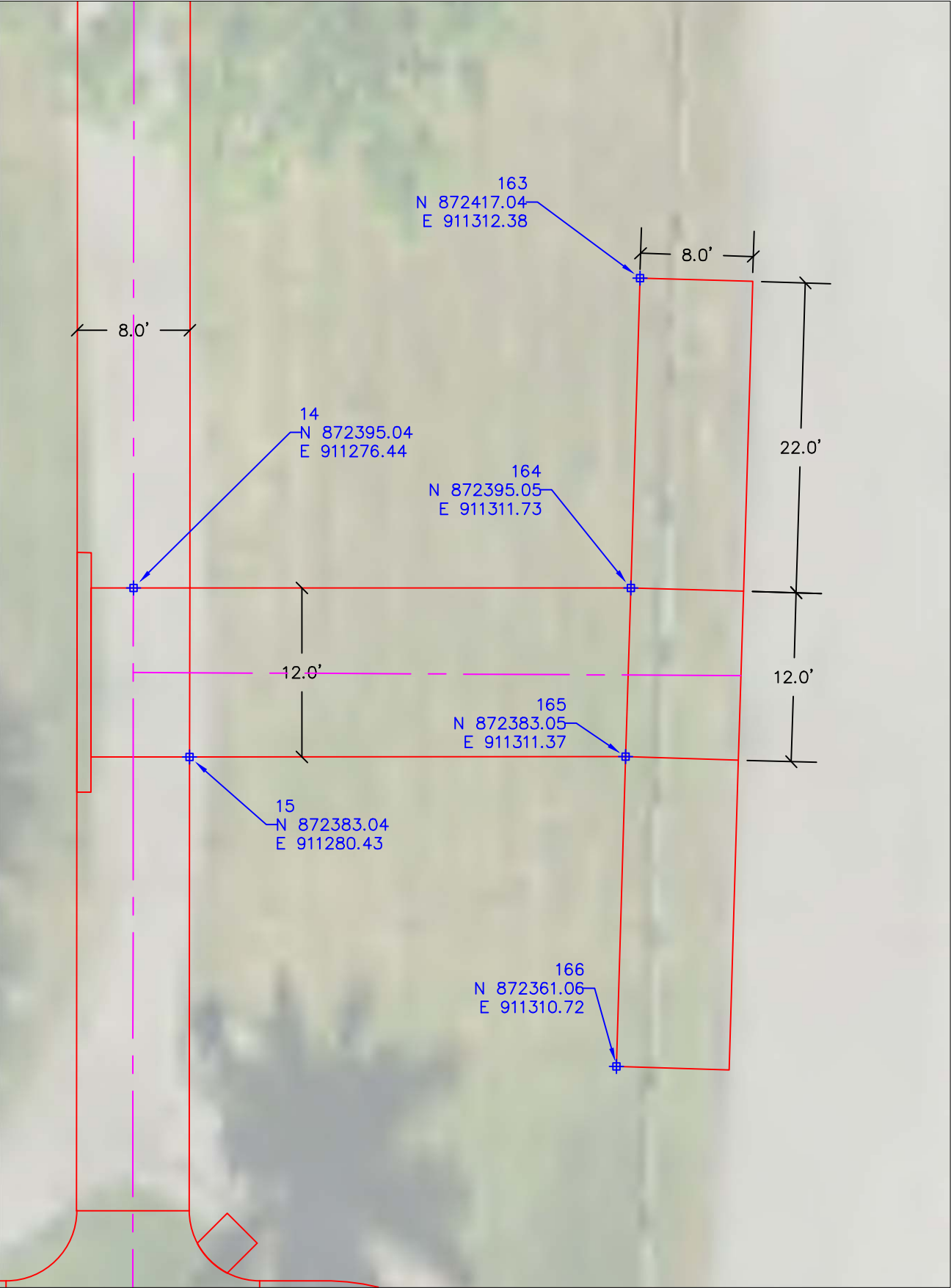




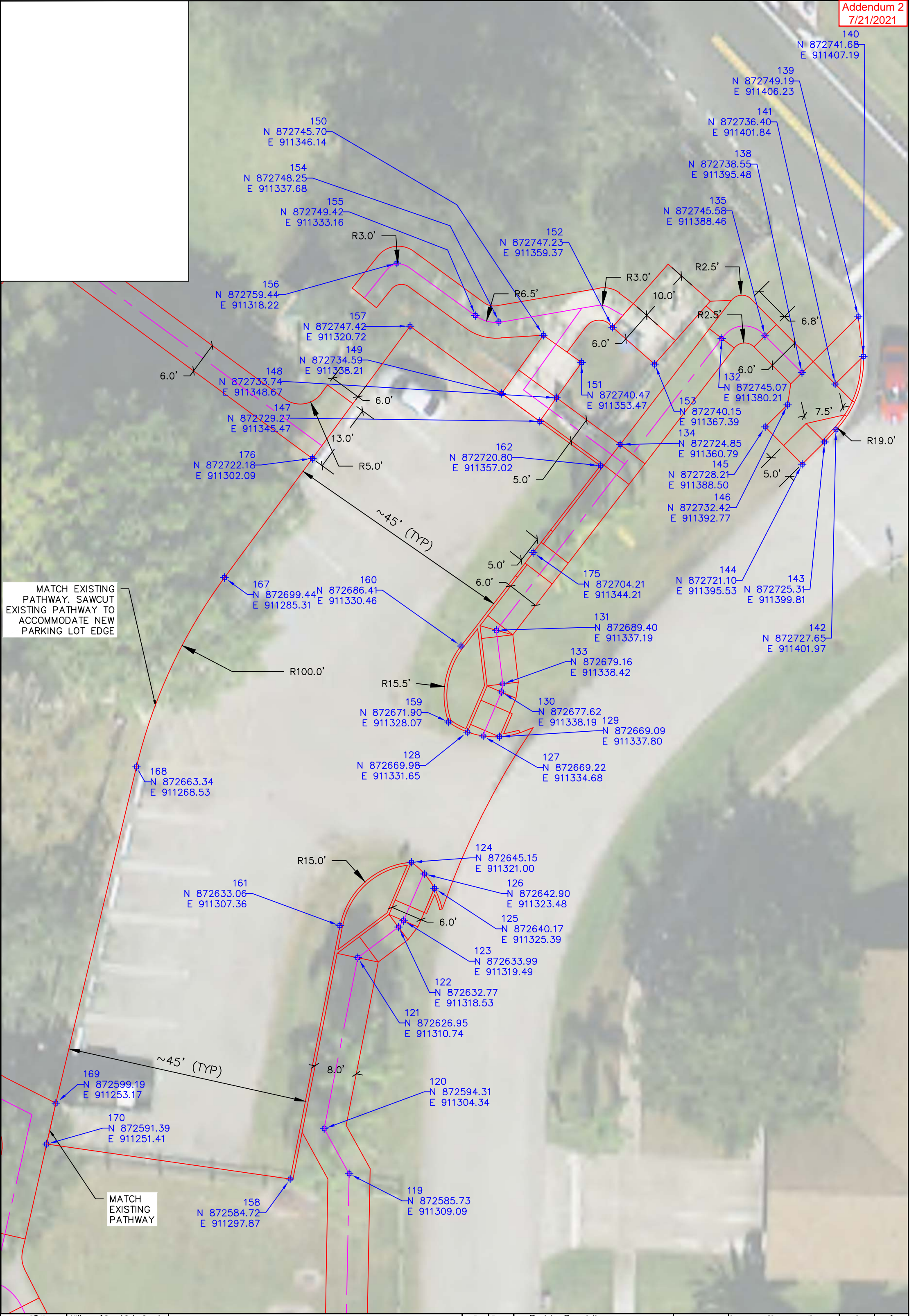
Addendum 2
7/21/2021





PATHWAY DETAIL VIEW 1



PATHWAY DETAIL VIEW 2



SEAL Village of Royal Palm Beach Planning & Engineering Christopher A. Marsh, P.E., 62560 1090 Royal Palm Beach Boulevard Royal Palm Beach, FL 33411 Phone (561) 790-5131 Fax (561) 791-7095	ROBINER PARK PATHWAY & KAYAK LAUNCH PR1807			By _____ Date _____ Revision Description _____ _____ _____ _____	DESIGNED BY: AD DRAWN BY: AD REVIEWED BY: CM	0 7.5 15 Feet DATE: JUNE 2021 SHEET: 19 OF 40	 
	GEOMETRY - PARKING LOT ZOOM VIEW						
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	FORMATTED FOR 12" x 18"						

GEOMETRY POINTS			
POINT NUMBER	RAW DESCRIPTION	LATITUDE	LONGITUDE
1	ME	872676.10	911218.19
2	PC	872643.85	911216.59
3	PT	872600.53	911241.62
4	PI	872597.02	911248.58
5	LAYOUT	872574.23	911243.53
6	LAYOUT	872560.34	911246.63
7	PI	872563.82	911233.20
8	PC	872533.75	911259.96
9	PI	872529.31	911271.11
10	PT	872515.46	911266.18
11	PI	872482.68	911272.00
12	PC	872460.00	911274.84
13	PT	872435.01	911276.47
14	LAYOUT	872395.04	911276.44
15	LAYOUT	872383.04	911280.43
16	LAYOUT	872350.82	911276.40
17	LAYOUT	872341.83	911267.41
18	PC	872324.83	911299.63
19	PT	872341.83	911290.48
20	PC	872341.87	911194.50
21	PI	872363.65	911166.73
22	LAYOUT	872366.36	911166.19
23	LAYOUT	872376.27	911164.56
24	LAYOUT	872381.17	911163.74
25	PI	872394.98	911161.47
26	PC	872415.05	911158.17
27	PRC	872435.08	911150.98
28	LAYOUT	872457.50	911146.25
29	LAYOUT	872467.88	911151.29
30	PC	872467.39	911139.95
31	PI	872470.71	911121.33
32	PC	872466.66	911105.60
33	PI	872463.98	911074.91
34	ME	872465.76	911047.95
35	ME	872466.37	911040.45
36	PC	872468.85	911008.89
37	PT	872465.34	910970.60
38	PC	872452.15	910922.74
39	PRC	872448.71	910901.62
40	LAYOUT	872442.90	910893.16
41	LAYOUT	872430.17	910892.91
42	LAYOUT	872437.61	910883.42
43	PC	872420.45	910895.70
44	PT	872401.42	910898.03
45	LAYOUT	872334.74	910893.17
46	PC	872247.33	910886.79
47	PCC	872219.90	910880.70
48	PRC	872207.64	910863.89
49	PT	872191.19	910815.51
50	PC	872186.16	910808.18

GEOMETRY POINTS			
POINT NUMBER	RAW DESCRIPTION	LATITUDE	LONGITUDE
51	PCC	872175.83	910771.34
52	PT	872215.97	910732.04
53	PC	872265.20	910730.41
54	PT	872300.64	910746.71
55	PC	872320.20	910771.20
56	PT	872322.42	910773.30
57	LAYOUT	872329.15	910778.09
58	LAYOUT	872342.28	910787.43
59	PC	872380.24	910814.44
60	PRC	872410.38	910823.68
61	PT	872449.17	910841.01
62	LAYOUT	872449.13	910853.92
63	PC	872462.14	910855.79
64	LAYOUT	872456.32	910843.04
65	PT	872468.38	910865.68
66	PC	872469.53	910868.23
67	PT	872472.63	910872.11
68	LAYOUT	872477.79	910875.99
69	PC	872540.38	910923.05
70	PI	872552.48	910927.89
71	PC	872577.30	910930.81
72	PT	872599.10	910939.47
73	PC	872631.67	910963.68
74	PI	872637.09	910965.74
75	ME	872654.52	910990.00
76	PC	872703.39	910978.55
77	PRC	872758.59	910966.79
78	PT	872782.17	910960.14
79	PC	872868.54	910965.63
80	LAYOUT	872885.01	910972.27
81	LAYOUT	872893.39	910983.38
82	LAYOUT	872896.88	910971.87
83	PC	872908.01	910961.32
84	ME	872917.14	910938.83
85	PT	872895.91	910995.29
86	LAYOUT	872894.20	911031.23
87	LAYOUT	872893.56	911051.22
88	LAYOUT	872902.71	911041.64
89	LAYOUT	872896.81	911060.47
90	LAYOUT	872896.33	911070.46
91	LAYOUT	872895.69	911083.95
92	LAYOUT	872912.29	911061.21
93	LAYOUT	872895.03	911097.93
94	LAYOUT	872911.17	911084.68
95	PC	872890.45	911109.92
96	PRC	872889.05	911116.95
97	PT	872887.77	911128.44
98	PC	872887.77	911166.52
99	PT	872885.57	911174.35
100	PC	872841.67	911246.10

GEOMETRY POINTS			
POINT NUMBER	RAW DESCRIPTION	LATITUDE	LONGITUDE
101	PI	872803.62	911259.40
102	PI	872780.81	911251.11
103	ME	872763.74	911239.34
104	PC	872540.60	911202.95
105	PRC	872515.78	911186.97
106	PT	872494.23	911175.97
107	PI	872483.52	911166.87
108	PC	872437.23	910878.00
109	PI	872442.45	910861.04
110	PC	872910.33	911041.91
111	PT	872916.34	911041.22
112	ME	872941.10	911037.41
113	PI	872324.65	910721.79
114	PC	872339.18	910741.18
115	LAYOUT	872338.84	910772.97
116	LAYOUT	872344.22	910775.64
117	LAYOUT	872542.82	911302.97
118	LAYOUT	872550.94	911308.45
119	PI	872585.73	911309.09
120	PI	872594.31	911304.34
121	PI	872626.95	911310.74
122	PI	872632.77	911318.53
123	PI	872633.99	911319.49
124	FC	872645.15	911321.00
125	FC	872640.17	911325.39
126	LAYOUT	872642.90	911323.48
127	LAYOUT	872669.22	911334.68
128	FC	872669.98	911331.65
129	LAYOUT	872669.09	911337.80
130	PI	872677.62	911338.19
131	PI	872689.40	911337.19
132	PC	872745.07	911380.21
133	PI	872679.16	911338.42
134	LAYOUT	872724.85	911360.79
135	PT	872745.58	911388.46
138	LAYOUT	872738.55	911395.48
139	FC	872749.19	911406.23
140	FC	872741.68	911407.19
141	LAYOUT	872736.40	911401.84
142	FC	872727.65	911401.97
143	LAYOUT	872725.31	911399.81
144	LAYOUT	872721.10	911395.53
145	LAYOUT	872728.21	911388.50
146	LAYOUT	872732.42	911392.77
147	FC	872729.27	911345.47
148	LAYOUT	872733.74	911348.67
149	LAYOUT	872734.59	911338.21
150	LAYOUT	872745.70	911346.14
151	LAYOUT	872740.47	911353.47
152	LAYOUT	872747.23	911359.37

GEOMETRY POINTS			
POINT NUMBER	RAW DESCRIPTION	LATITUDE	LONGITUDE
153	LAYOUT	872740.15	911367.39
154	PC	872748.25	911337.68
155	PT	872749.42	911333.16
156	LAYOUT	872759.44	911318.22
157	LAYOUT	872747.42	911320.72
158	FC	872584.72	911297.87
159	FC	872671.90	911328.07
160	FC	872686.41	911330.46
161	FC	872633.06	911307.36
162	FC	872720.80	911357.02
163	LAYOUT	872417.04	911312.38
164	LAYOUT	872395.05	911311.73
165	LAYOUT	872383.05	911311.37
166	LAYOUT	872361.06	911310.72
167	PC	872699.44	911285.31
168	PT	872663.34	911268.53
169	ME	872599.19	911253.17
170	ME	872591.39	911251.41
171	LAYOUT	872385.30	911104.93
172	LAYOUT	872367.76	911085.46
173	LAYOUT	872348.04	911088.85
174	LAYOUT	872352.11	911112.50
175	LAYOUT	872704.21	911344.21
176	LAYOUT	872722.18	911302.09
177	PC	872765.94	911252.89

DESCRIPTION KEY	
ME	MATCH EXISTING
LAYOUT	LAYOUT POINT
PT	POINT OF TANGENCY
PI	POINT OF INTERSECTION
PC	POINT OF CURVATURE
PCC	POINT OF CONTINUED CURVATURE
PRC	POINT OF RETURN CURVATURE
FC	FRONT OF CURB

Addendum 2
7/21/2021



DATE: JUNE 2021
SHEET: 20 OF 40

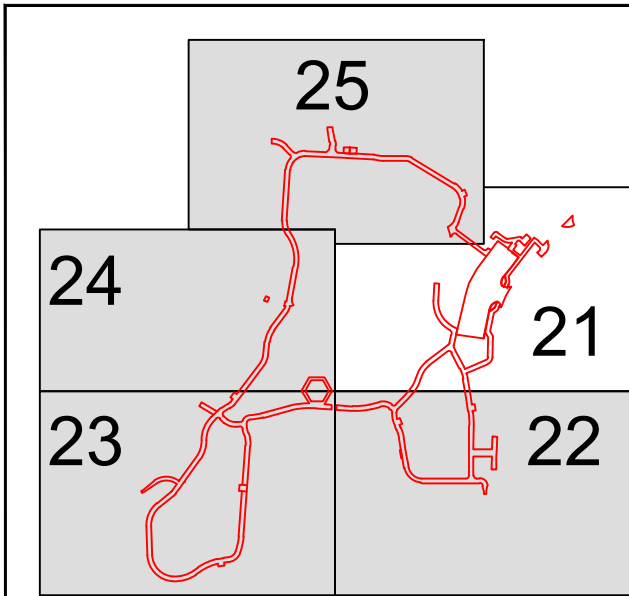
DESIGNED BY: AD
DRAWN BY: AD
REVIEWED BY: CM

By	Date	Revision	Description

ROBINER PARK PATHWAY & KAYAK LAUNCH
PR1807
GEOMETRY POINT TABLE

Village of Royal Palm Beach
Planning & Engineering
10000 Royal Palm Beach Boulevard
Royal Palm Beach, FL 33411-7095
Phone: (561) 751-7095

SEAL



LEGEND

LIMITS OF NEW 6 in CONCRETE SIDEWALK

CHEMICAL ROOT BARRIER

NEW WATER LINE

DETECTABLE WARNING

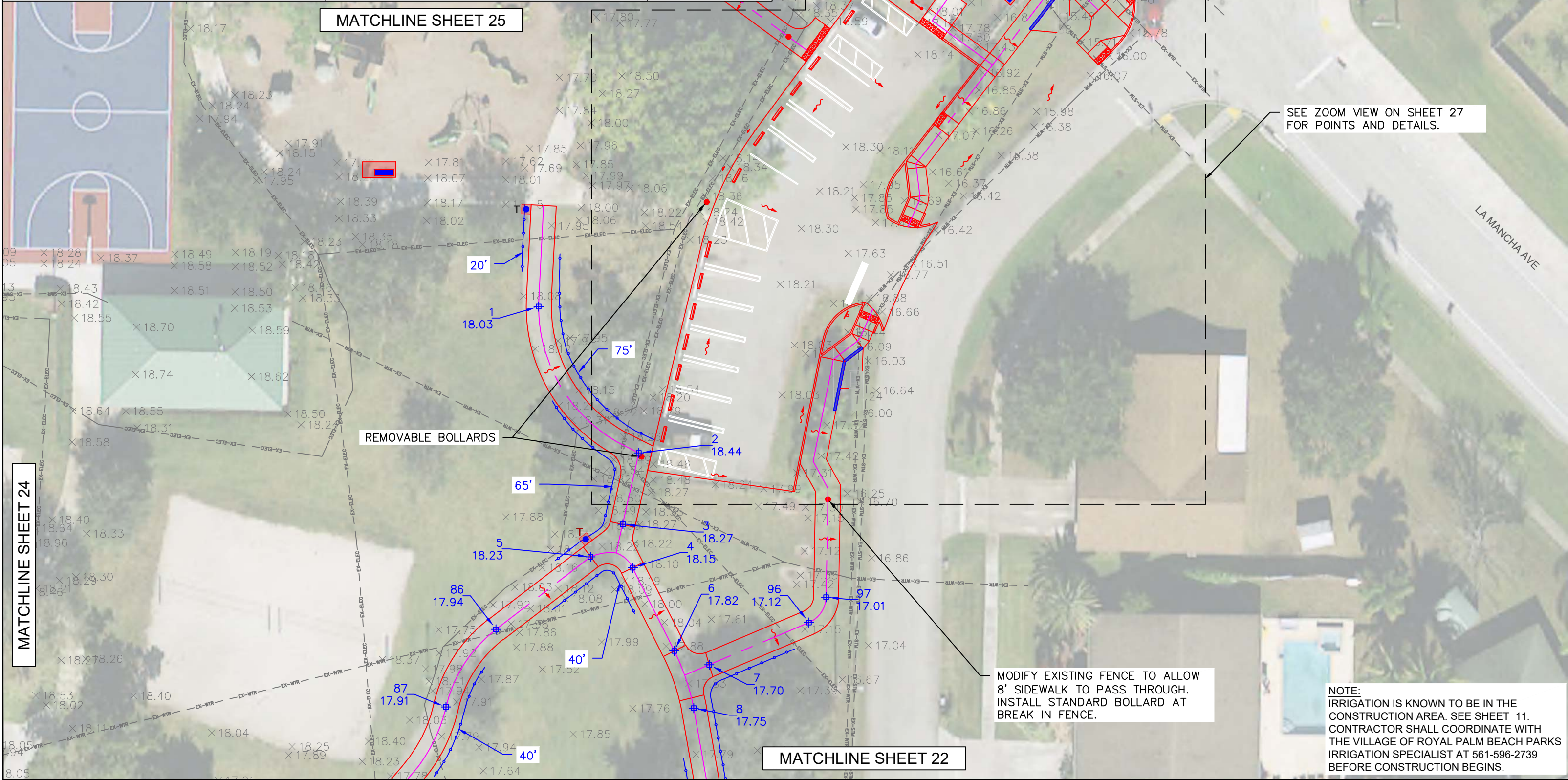
NEW TRASH CAN WITH CONCRETE PAD

NEW BENCH WITH CONCRETE PAD

FINISHED GRADE

EXISTING ELEVATION

MATCHLINE SHEET 21



Addendum 2
7/21/2021

Seal of the Village of Royal Palm Beach

DATE: JUNE 2021
SHEET: 21 OF 40

DESIGNED BY: AD
DRAWN BY: AD
REVIEWED BY: CM

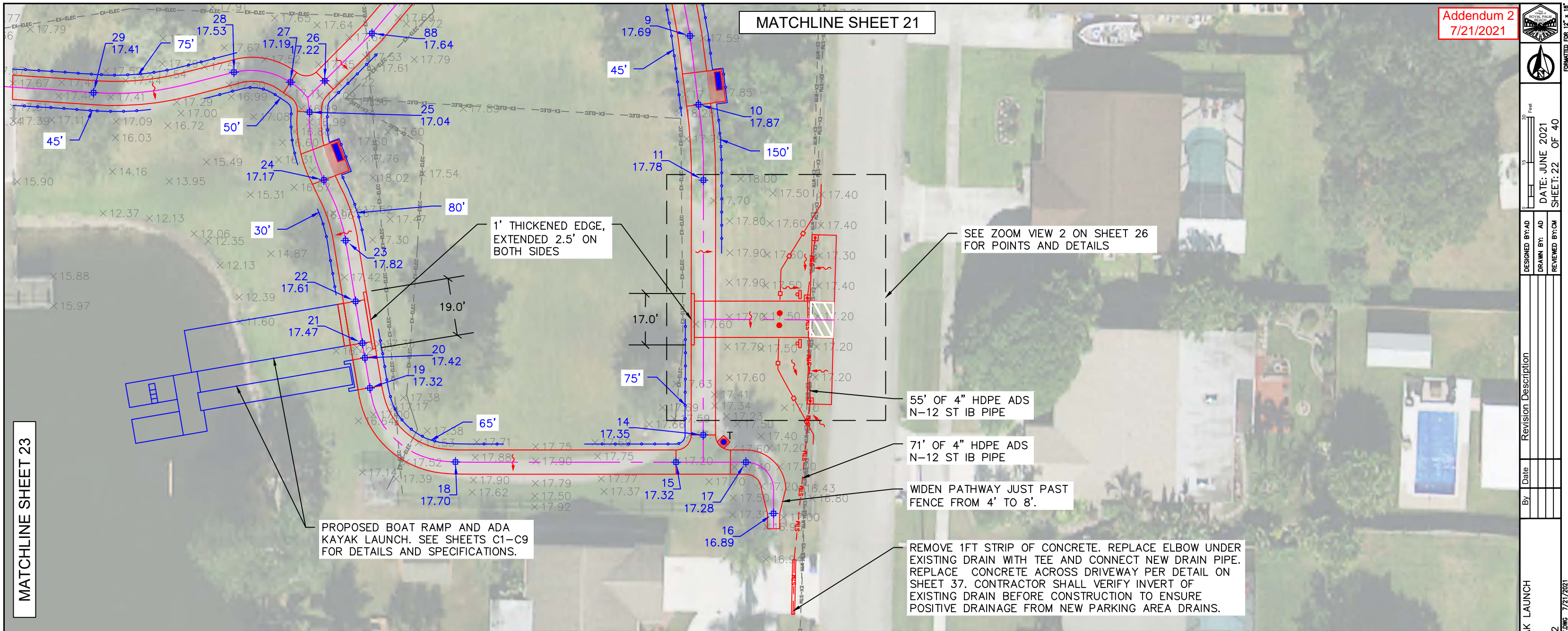
Revision Description

By Date

ROBINER PARK PATHWAY & KAYAK LAUNCH
PR1807
PAVING AND DRAINAGE 1

SEAL

NOTE:
IRRIGATION IS KNOWN TO BE IN THE
CONSTRUCTION AREA. SEE SHEET 11.
CONTRACTOR SHALL COORDINATE WITH
THE VILLAGE OF ROYAL PALM BEACH PARKS
IRRIGATION SPECIALIST AT 561-596-2739
BEFORE CONSTRUCTION BEGINS.

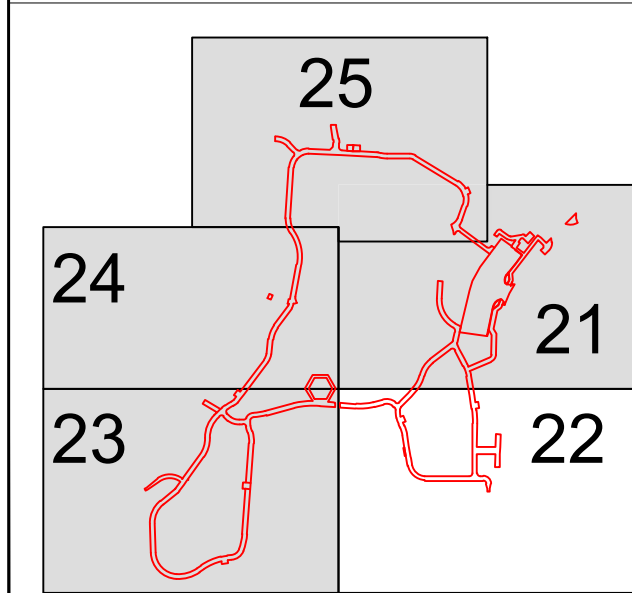


MATCHLINE SHEET 23

MATCHLINE SHEET 21

Addendum 2
7/21/2021

SEAL	Village of Royal Palm Beach Planning & Engineering 10900 Royal Palm Beach Boulevard Royal Palm Beach, FL 33411-7095 Phone: (561) 751-7095	ROBINER PARK PATHWAY & KAYAK LAUNCH PR1807 PAVING AND DRAINAGE 2	By	Date	Revision Description	DESIGNED BY: AD	DRAWN BY: AD	REVIEWED BY: CM	DATE: JUNE 2021 SHEET: 22 OF 40	FORMATTED FOR 12" x 18"



LEGEND

- LIMITS OF NEW 6 in CONCRETE SIDEWALK
- CHEMICAL ROOT BARRIER
- NEW OR RELOCATED WOODEN DIAMOND RAIL FENCE
- DETECTABLE WARNING
- NEW TRASH CAN WITH CONCRETE PAD
- NEW BENCH WITH CONCRETE PAD
- 90 FINISHED GRADE
- 18.03 EXISTING ELEVATION
- 17.97

NOTE:
IRRIGATION IS KNOWN TO BE IN THE CONSTRUCTION AREA. SEE SHEET 11. CONTRACTOR SHALL COORDINATE WITH THE VILLAGE OF ROYAL PALM BEACH PARKS IRRIGATION SPECIALIST AT 561-596-2739 BEFORE CONSTRUCTION BEGINS.

NOTE:
IRRIGATION IS KNOWN TO BE IN THE CONSTRUCTION AREA. SEE SHEET 11. CONTRACTOR SHALL COORDINATE WITH THE VILLAGE OF ROYAL PALM BEACH PARKS IRRIGATION SPECIALIST AT 561-596-2739 BEFORE CONSTRUCTION BEGINS.

LEGEND

- LIMITS OF NEW 6 in CONCRETE SIDEWALK
- CHEMICAL ROOT BARRIER
- DETECTABLE WARNING
- NEW TRASH CAN WITH CONCRETE PAD
- NEW BENCH WITH CONCRETE PAD
- 90
#18.03
FINISHED GRADE
- × 17.97
EXISTING ELEVATION

25

24

21

23

22

MATCHLINE SHEET 24

INSTALL NEW STANDARD BOLLARD.
REPLACE DRAIN COLLAR AS PART OF A MONOLITHIC POUR FROM ROAD TO FAR EDGE OF THE COLLAR.
ADD TWO 2.5' TRAFFIC SEPARATORS.

EXISTING INLET
RIM 14.41'

SEE ZOOM VIEW 1 ON SHEET 26 FOR POINTS AND DETAILS

ADJUST PROPOSED PATHWAY ELEVATIONS TO MATCH FLUSH WITH EXISTING CONCRETE. (TYP)

MATCHLINE SHEET 22

The main site plan shows a proposed sidewalk layout in blue and red lines, with various callouts for elevations and features. Key features include: a trash can (T) and a bench (B) with concrete pads; a detectable warning area; and numerous elevation points marked with 'x' and numbers. The plan also shows existing elevations and finished grade lines. The layout is complex, with many curves and straight sections, and is surrounded by existing infrastructure and vegetation.

DESIGNED BY: AD
DRAWN BY: AD
REVIEWED BY: CM

DATE: JUNE 2021
SHEET: 23 OF 40

FORMATTED FOR 12" x 18"

Revision Description

By Date

ROBINER PARK PATHWAY & KAYAK LAUNCH

PR1807

PAVING AND DRAINAGE 3

DRAWINGS\09_PAVING\09_PAVING-P_PR1807.DWG 7/21/2021

SEAL

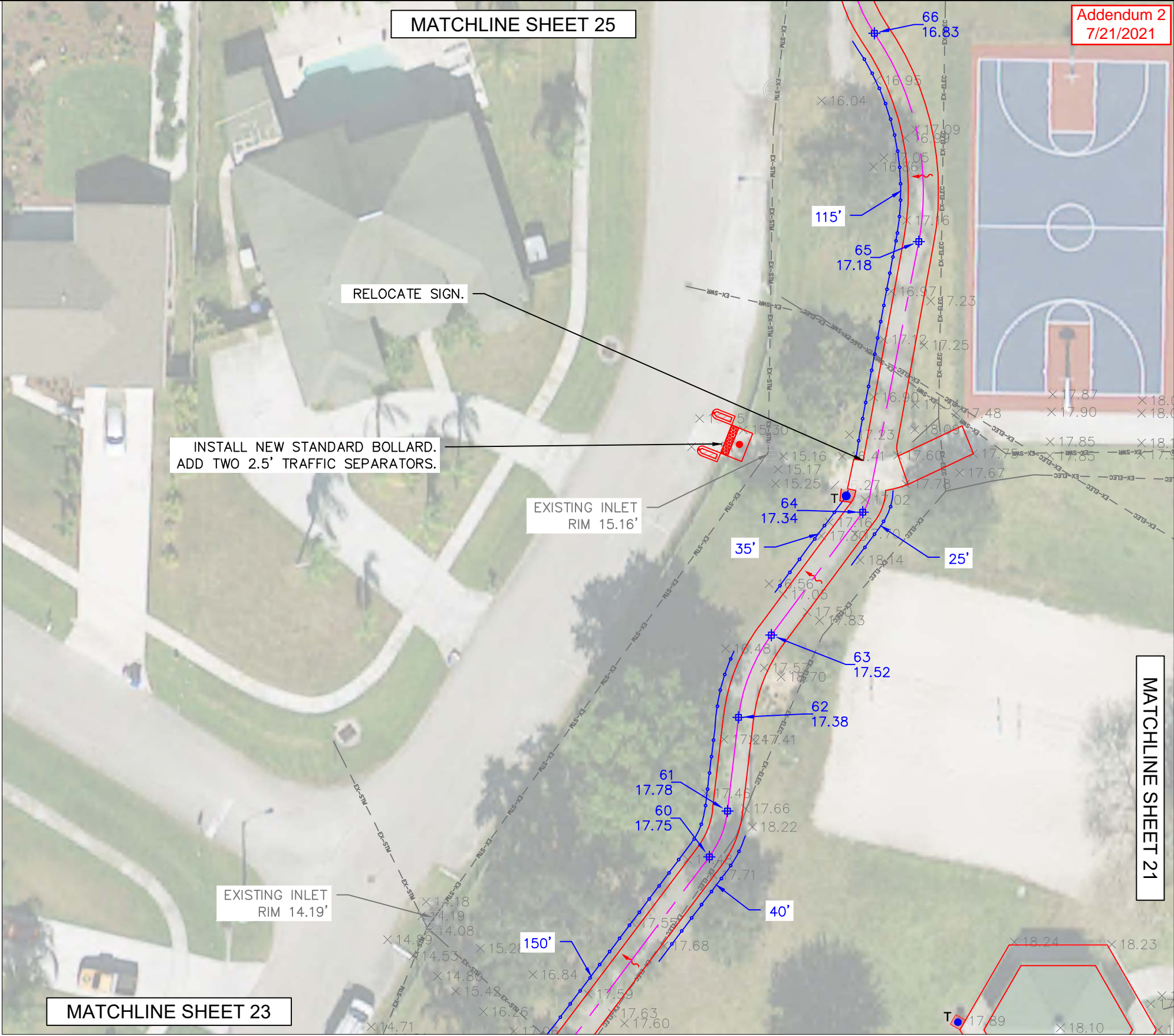
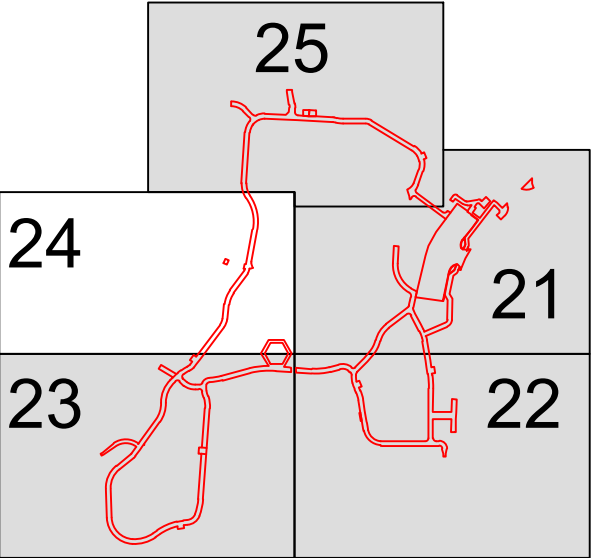
Village of Royal Palm Beach
Planning & Engineering
1000 Royal Palm Beach Boulevard
Royal Palm Beach, FL 33411-7095
Phone: (561) 351-7095

Addendum 2
7/21/2021

NOTE:
IRRIGATION IS KNOWN TO BE IN THE
CONSTRUCTION AREA. SEE SHEET 11.
CONTRACTOR SHALL COORDINATE WITH THE
VILLAGE OF ROYAL PALM BEACH PARKS
IRRIGATION SPECIALIST AT 561-596-2739 BEFORE
CONSTRUCTION BEGINS.

LEGEND

- LIMITS OF NEW 6 in CONCRETE SIDEWALK
- CHEMICAL ROOT BARRIER
- DETECTABLE WARNING
- NEW TRASH CAN WITH CONCRETE PAD
- NEW BENCH WITH CONCRETE PAD
- 90 FINISHED GRADE
- 18.03 EXISTING ELEVATION
- 17.97 EXISTING ELEVATION



SEAL

Village of Royal Palm Beach
Planning & Engineering
10000 Royal Palm Beach Boulevard
Royal Palm Beach, FL 33411
Phone: (561) 751-7095

ROBINER PARK PATHWAY & KAYAK LAUNCH
PR1807
PAVING AND DRAINAGE 4

ROBINER PARK PATHWAY & KAYAK LAUNCH (PRE-BID DOCUMENTS) PR1807.DWG 7/21/2021

DESIGNED BY: AD	DATE: JUNE 2021	REVISION Description
DRAWN BY: AD		
REVIEWED BY: CM		

0 15 30 Feet

DATE: JUNE 2021

SHEET: 24 OF 40

ADDENDUM 2
7/21/2021

FORMATTED FOR 12" x 18"

ADD TWO 2.5' TRAFFIC SEPARATORS SO THAT THE INNER EDGE OF THE NEW CURB LIES ADJACENT TO THE EDGE OF EXISTING STRIPING.
NOTE: AERIAL SHOWS SKEWED STRIPING LOCATION.

INSTALL NEW STANDARD BOLLARD.
REPLACE DRAIN COLLAR AS A MONOLITHIC POUR.

STANDARD BOLLARD

EXISTING INLET
RIM 16.45'

REPLACE FITTING BELOW EXISTING 10" INLET TO ACCEPT 40' OF NEW 4" HDPE ADS N-12 ST IB PIPE FROM DOG FOUNTAIN DRAIN.

10' X 15.5' CONCRETE PAD WITH STAINLESS STEEL "MOST DEPENDABLE FOUNTAINS, INC." MODEL 370 SM FOUNTAIN AND 8" NYLOPLAST DRAIN. SLOPE SLAB TOWARD DRAIN AS MUCH AS POSSIBLE, WHILE MAINTAINING 2% MAX IN ALL DIRECTIONS.

12' SQUARE PAVILION BY POLYGON PARK ARCHITECTURE, WITH 6' PICNIC TABLE AND CONCRETE CONCRETE FOUNDATION. SEE SHEETS 39 AND 38.

SEE DOG PARK FENCING PLAN ON SHEET 39.

380' OF 2" SCH 40 WATER LINE

MOUNT NEW TRASH CAN ONTO NEW CONCRETE SLAB.

MATCHLINE SHEET 24

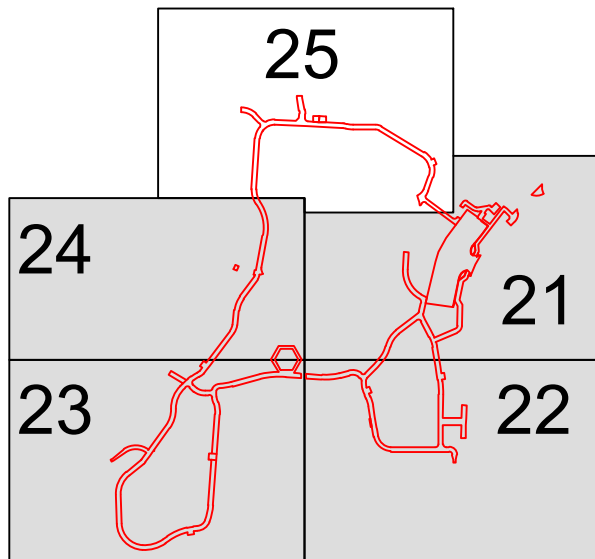
MATCHLINE SHEET 25

MATCHLINE SHEET 21







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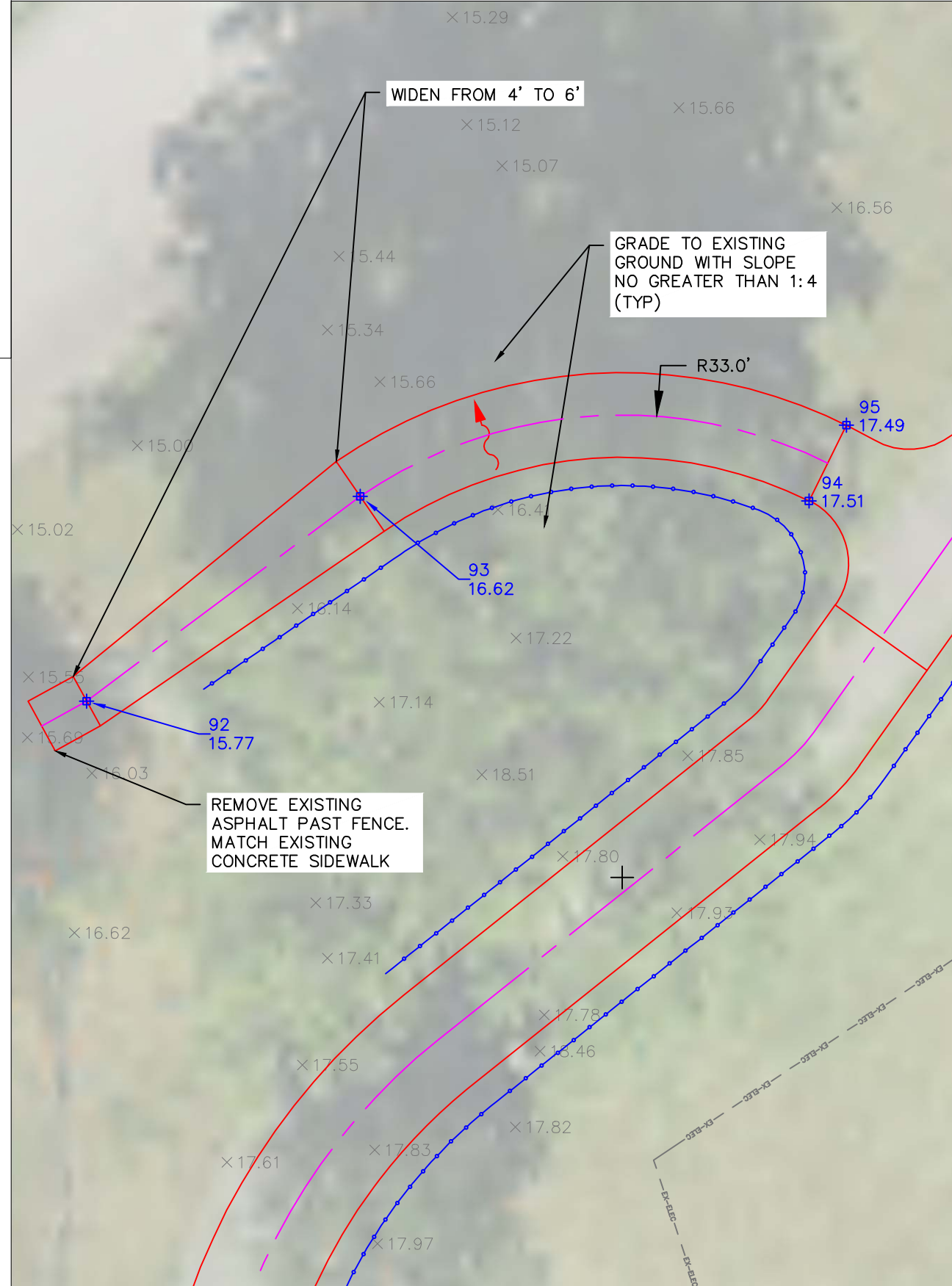
- LIMITS OF NEW 6 in CONCRETE SIDEWALK
- CHEMICAL ROOT BARRIER
- NEW WATER LINE
- DETECTABLE WARNING
- NEW TRASH CAN WITH CONCRETE PAD
- NEW BENCH WITH CONCRETE PAD
- 90
#18.03
FINISHED GRADE
- × 17.97
EXISTING ELEVATION

NOTE:
IRRIGATION IS KNOWN TO BE IN THE CONSTRUCTION AREA. SEE SHEET 11.
CONTRACTOR SHALL COORDINATE WITH THE VILLAGE OF ROYAL PALM BEACH PARKS IRRIGATION SPECIALIST AT 561-596-2739 BEFORE CONSTRUCTION BEGINS.



LEGEND

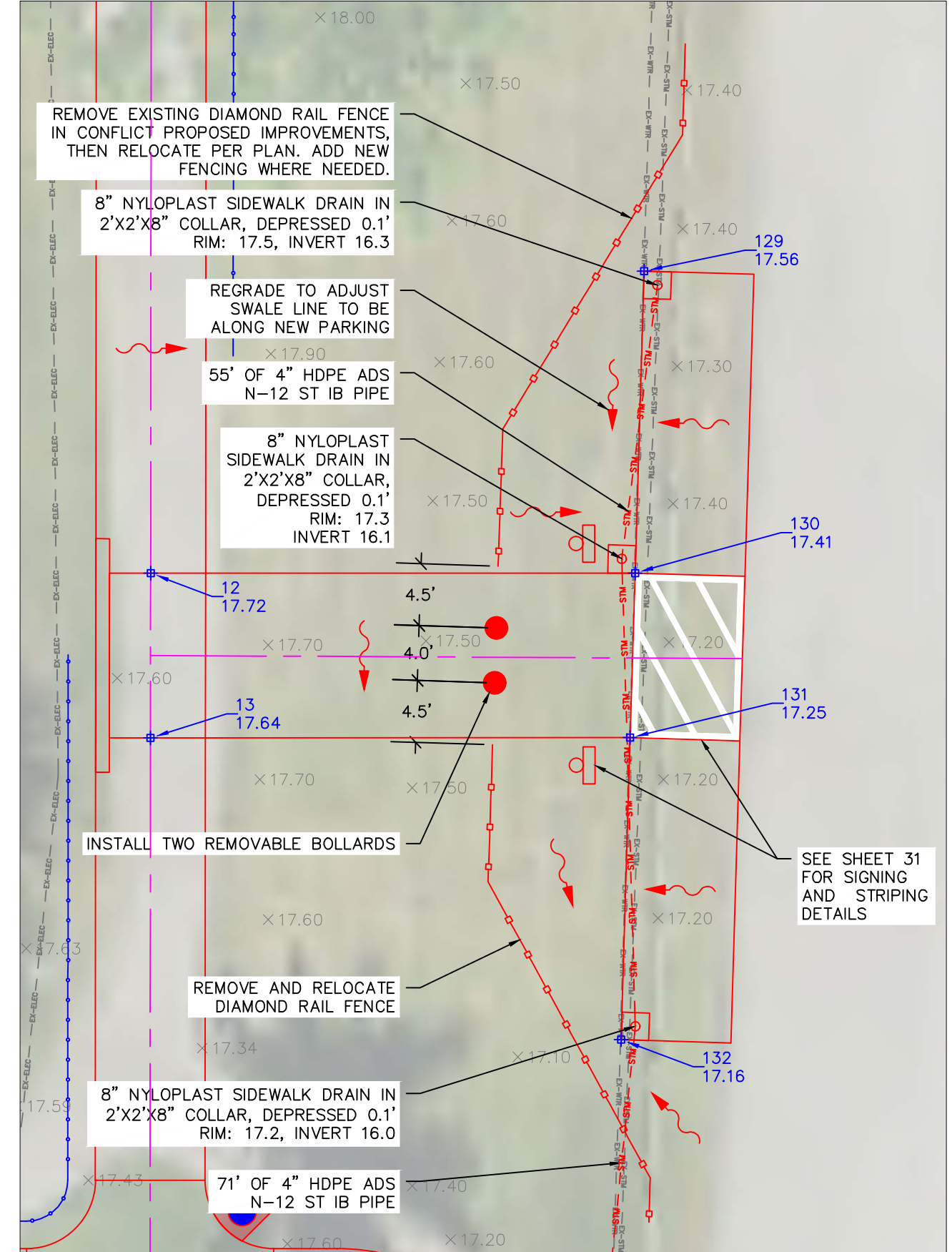
- | | |
|---|--|
|  | LIMITS OF NEW 6 in
CONCRETE SIDEWALK |
|  | CHEMICAL ROOT
BARRIER |
|  | NEW OR RELOCATED
WOODEN DIAMOND RAIL
FENCE |
|  | DETECTABLE WARNING |
|  | NEW TRASH CAN WITH
CONCRETE PAD |
|  | NEW BENCH WITH
CONCRETE PAD |
| 90
±18.03 | FINISHED GRADE |
| × 17.97 | EXISTING ELEVATION |





PATHWAY DETAIL VIEW 1

NOTE:
IRRIGATION IS KNOWN TO BE IN THE
CONSTRUCTION AREA. SEE SHEET 11.
CONTRACTOR SHALL COORDINATE WITH THE
VILLAGE OF ROYAL PALM BEACH PARKS
IRRIGATION SPECIALIST AT 561-596-2739 BEFORE
CONSTRUCTION BEGINS.

Addendum 2
7/21/2021



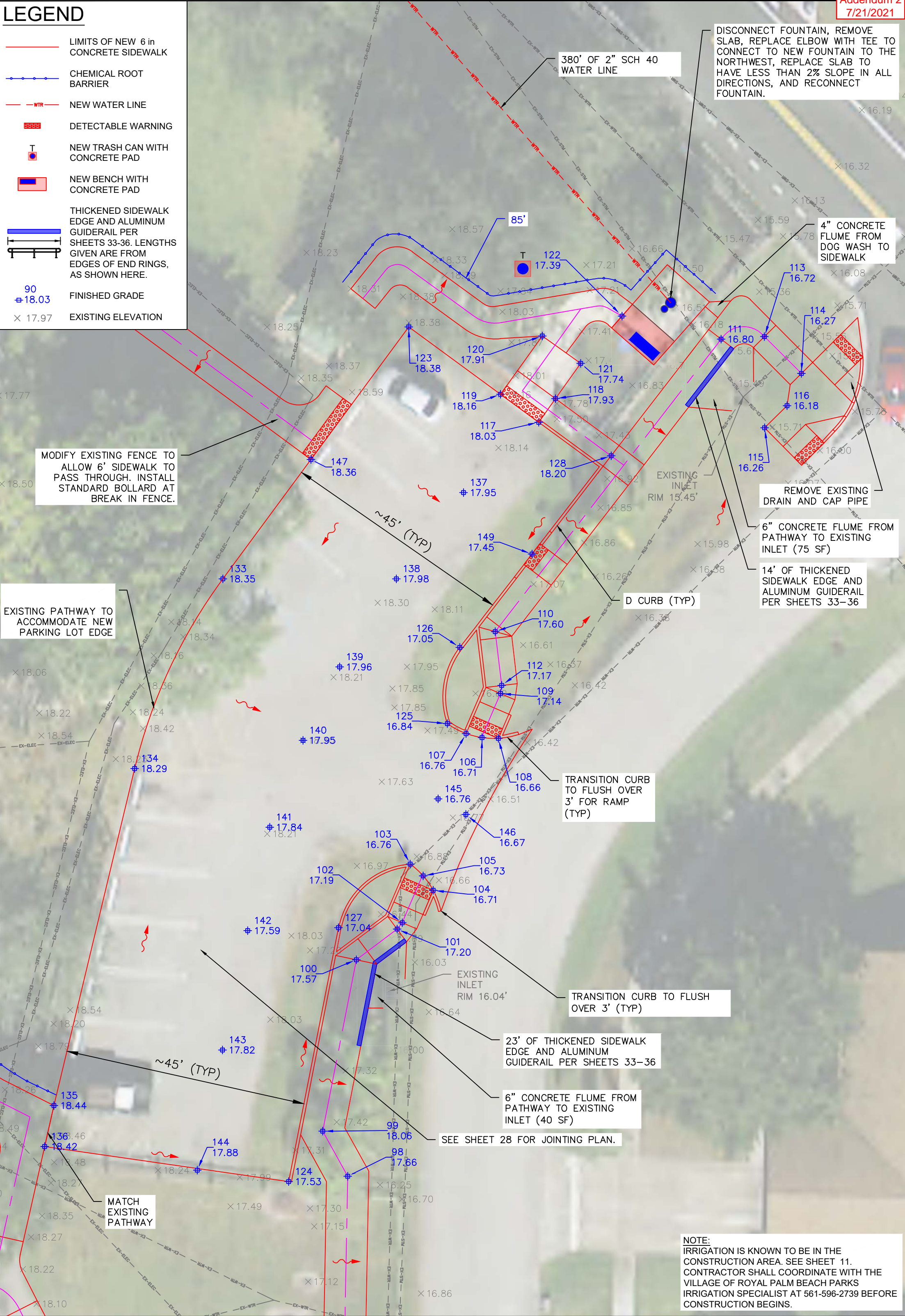
PATHWAY DETAIL VIEW 2

SEAL	Village of Royal Palm Beach Planning & Engineering City of Royal Palm Beach 1050 Royal Palm Beach Boulevard West Palm Beach, FL 33411 Phone: (561) 790-1331 Fax: (561) 791-7095	ROBINER PARK PATHWAY & KAYAK LAUNCH PRI1807	By	Date	Revision Description	DESIGNED BY: AD	10 Feet
						DRAWN BY: AD	DATE: JUNE 2021
						REVIEWED BY: CM	SHEET: 26 OF 40
CAPITAL PROJECTS/PRI1807-ROBINER PARK PATHWAY & KAYAK LAUNCH/PRE-BID DOCUMENTS/BD_PAK4245E(2)_DRAWINGS/09_PAVING/DRWG-P_PRI1807.DWG 7/21/2021						 	

LEGEND

- LIMITS OF NEW 6 in CONCRETE SIDEWALK
- CHEMICAL ROOT BARRIER
- NEW WATER LINE
- DETECTABLE WARNING
- NEW TRASH CAN WITH CONCRETE PAD
- NEW BENCH WITH CONCRETE PAD
- THICKENED SIDEWALK EDGE AND ALUMINUM GUIDERAIL PER SHEETS 33-36. LENGTHS GIVEN ARE FROM EDGES OF END RINGS, AS SHOWN HERE.
- 90 FINISHED GRADE
- EXISTING ELEVATION

Addendum 2
7/21/2021





LONGITUDINAL JOINT
(TYP)

TRANSVERSE JOINT
(TYP)

NOTE:
SEE SHEET 32 FOR JOINT DETAILS

POINT DATA				
POINT NUMBER	RAW DESCRIPTION	ELEVATION	NORTHING	EASTING
1	PW	18.031	872643.85	911216.59
2	PW	18.441	872597.02	911248.58
3	PW	18.274	872574.23	911243.53
4	PW	18.154	872560.34	911246.63
5	PW	18.232	872563.82	911233.20
6	PW	17.816	872533.75	911259.96
7	PW	17.702	872529.31	911271.11
8	PW	17.751	872515.46	911266.18
9	PW	17.687	872482.68	911272.00
10	PW	17.874	872460.00	911274.84
11	PW	17.784	872435.01	911276.47
12	PW	17.716	872395.04	911276.44
13	PW	17.635	872383.04	911276.43
14	PW	17.352	872350.82	911276.40
15	PW	17.322	872341.83	911267.41
16	PW	16.891	872324.83	911299.63
17	PW	17.281	872341.83	911290.48
18	PW	17.696	872341.87	911194.50
19	PW	17.324	872366.36	911166.19
20	PW	17.425	872376.27	911164.56
21	PW	17.474	872381.17	911163.74
22	PW	17.614	872394.98	911161.47
23	PW	17.818	872415.05	911158.17
24	PW	17.174	872435.08	911150.98
25	PW	17.038	872457.50	911146.25
26	PW	17.219	872467.88	911151.29
27	PW	17.194	872467.39	911139.95
28	PW	17.530	872470.71	911121.33
29	PW	17.405	872463.98	911074.91
30	PW	17.709	872468.85	911008.89
31	PW	17.624	872465.34	910970.60
32	PW	17.210	872457.08	910940.62
33	PW	17.923	872448.71	910901.62
34	PW	17.934	872442.90	910893.16
35	PW	18.059	872430.17	910892.91
36	PW	17.981	872437.61	910883.42
37	PW	17.907	872420.45	910895.70
38	PW	17.612	872401.42	910898.03
39	PW	17.793	872334.74	910893.17
40	PW	17.992	872247.33	910886.79
41	PW	18.250	872219.90	910880.70
42	PW	18.646	872207.64	910863.89
43	PW	18.596	872191.19	910815.51
44	PW	18.285	872186.16	910808.18
45	PW	17.572	872175.83	910771.34
46	PW	18.501	872215.97	910732.04
47	PW	18.027	872265.20	910730.41
48	PW	17.669	872300.64	910746.71
49	PW	17.853	872320.20	910771.20
50	PW	17.689	872329.15	910778.09
51	PW	17.683	872342.28	910787.43

POINT DATA				
POINT NUMBER	RAW DESCRIPTION	ELEVATION	NORTHING	EASTING
52	PW	18.149	872380.24	910814.44
53	PW	17.674	872410.38	910823.68
54	PW	16.939	872449.17	910841.01
55	PW	17.215	872449.13	910853.92
56	PW	17.155	872462.14	910855.79
57	PW	16.940	872456.32	910843.04
58	PW	17.445	872469.53	910868.23
59	PW	17.490	872477.79	910875.99
60	PW	17.747	872540.38	910923.05
61	PW	17.778	872552.48	910927.89
62	PW	17.376	872577.30	910930.81
63	PW	17.525	872599.10	910939.47
64	PW	17.345	872631.67	910963.68
65	PW	17.175	872703.39	910978.55
66	PW	16.825	872758.59	910966.79
67	PW	16.738	872782.17	910960.14
68	PW	17.482	872868.54	910965.63
69	PW	17.754	872885.01	910972.27
70	PW	17.866	872893.39	910983.38
71	PW	17.645	872896.88	910971.87
72	PW	17.185	872908.01	910961.32
73	PW	17.973	872894.20	911031.23
74	PW	17.796	872893.56	911051.22
75	PW	17.780	872902.71	911041.64
76	PW	17.682	872896.81	911060.47
77	PW	17.632	872896.33	911070.46
78	PW	17.448	872895.69	911083.95
79	PW	17.448	872895.03	911097.93
80	PW	17.417	872890.45	911109.92
81	PW	17.523	872887.77	911128.44
82	PW	17.309	872887.77	911166.52
83	PW	17.404	872841.67	911246.10
84	PW	17.656	872803.62	911259.40
85	PW	17.770	872780.81	911251.11
86	PW	17.941	872540.60	911202.95
87	PW	17.913	872515.78	911186.97
88	PW	17.644	872483.52	911166.87
89	PW	17.925	872437.23	910878.00
90	PW	17.606	872442.45	910861.04
91	PW	17.224	872916.34	911041.22
92	PW	15.775	872324.65	910721.79
93	PW	16.620	872339.18	910741.18
94	PW	17.514	872338.84	910772.97
95	PW	17.495	872344.22	910775.64
96	PW	17.118	872542.82	911302.97
97	PW	17.009	872550.94	911308.45
98	PW	17.664	872585.73	911309.09
99	PW	18.056	872594.31	911304.34
100	PW	17.568	872626.95	911310.74
101	PW	17.202	872632.77	911318.53
102	PW	17.194	872633.99	911319.49

POINT DATA				
POINT NUMBER	RAW DESCRIPTION	ELEVATION	NORTHING	EASTING
103	FC	16.758	872645.15	911321.00
104	FC	16.711	872640.17	911325.39
105	PW	16.733	872642.90	911323.48
106	PW	16.710	872669.22	911334.68
107	FC	16.758	872669.98	911331.65
108	FC	16.664	872669.09	911337.80
109	PW	17.138	872677.62	911338.19
110	PW	17.605	872689.40	911337.19
111	PW	16.795	872745.07	911380.21
112	PW	17.166	872679.16	911338.42
113	PW	16.724	872745.58	911388.46
114	PW	16.272	872738.55	911395.48
115	PW	16.262	872728.21	911388.50
116	PW	16.181	872732.42	911392.77
117	FC	18.026	872729.27	911345.47
118	PW	17.934	872733.74	911348.67
119	PRKG	18.161	872734.59	911338.21
120	PW	17.906	872745.70	911346.14
121	PW	17.744	872740.47	911353.47
122	PW	17.394	872749.48	911361.35
123	PRKG	18.379	872747.42	911320.72
124	FC	17.530	872584.72	911297.87
125	FC	16.840	872671.90	911328.07
126	FC	17.049	872686.41	911330.46
127	FC	17.040	872633.06	911307.36
128	PW	18.195	872722.87	911359.26
129	PRKG	17.559	872417.04	911312.38
130	PRKG	17.406	872395.05	911311.73
131	PRKG	17.253	872383.05	911311.37
132	PRKG	17.162	872361.06	911310.72
133	PRKG	18.348	872699.44	911285.31
134	PRKG	18.294	872663.34	911268.53
135	PRKG	18.437	872599.19	911253.17
136	PRKG	18.424	872591.39	911251.41
137	PRKG	17.951	872715.87	911331.17
138	PRKG	17.976	872699.46	911318.37
139	PRKG	17.959	872682.68	911307.57
140	PRKG	17.946	872668.72	911300.58
141	PRKG	17.838	872652.19	911294.25
142	PRKG	17.588	872632.51	911290.07
143	PRKG	17.824	872609.78	911285.25
144	PRKG	17.881	872586.89	911280.46
145	PRKG	16.758	872657.57	911326.33
146	PRKG	16.669	872654.63	911331.60
147	PW	18.359	872722.18	911302.09
148	PW	18.015	872747.44	911272.90
149	PW	17.453	872704.17	911344.18
150	PAV	17.589	872903.85	911091.34
151	PAV	17.448	872911.17	911084.68
152	PAV	17.448	872910.51	911098.67

DESCRIPTION KEY	
FC	FRONT OF CURB
PAV	PAVILION
PW	PATHWAY
PRKG	PARKING

WATER LINE POINTS			
POINT NUMBER	RAW DESCRIPTION	LATITUDE	LONGITUDE
322	EXISTING FOUNTAIN	872752.00	911370.58
323	WATER LINE	872878.34	911255.63
324	WATER LINE	872922.00	911155.85
325	WATER LINE	872923.35	911087.48
326	NEW FOUNTAIN	872901.57	911065.70

SEE SHEETS 21 AND 25 FOR
WATER LINE LAYOUT AND SHEET
37 FOR INSTALLATION DETAILS.

Addendum 2
7/21/2021



DATE: JUNE 2021
SHEET: 29 OF 40

DESIGNED BY: AD
DRAWN BY: AD
REVIEWED BY: CM

Revision Description

By Date

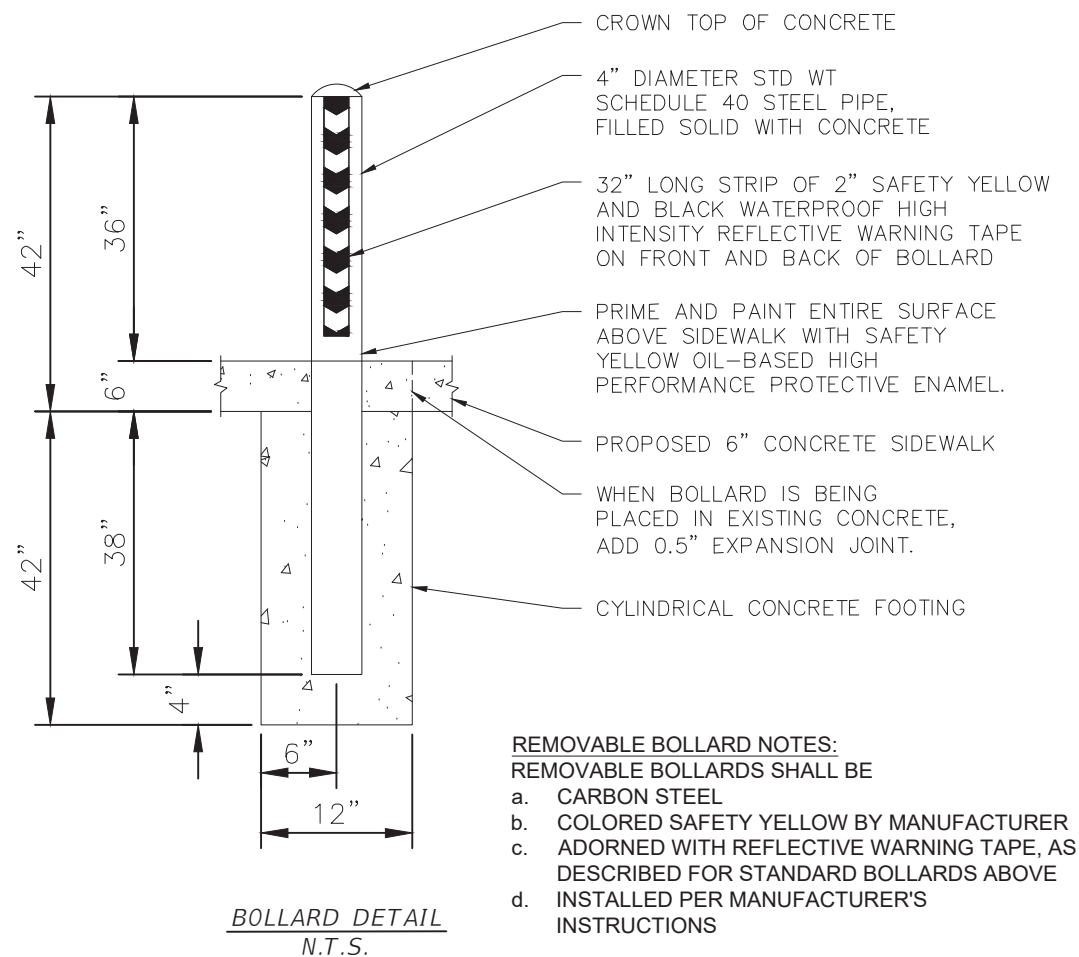
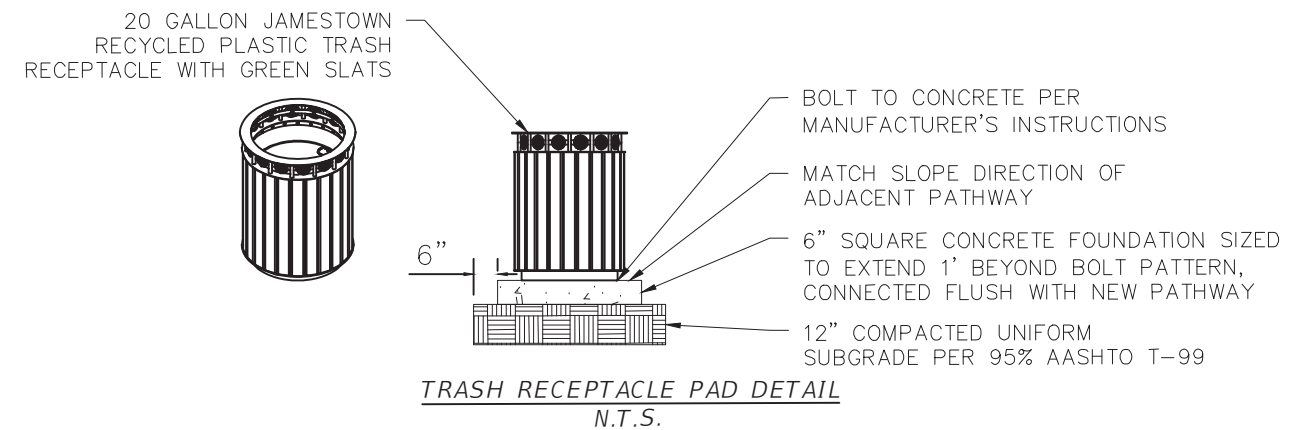
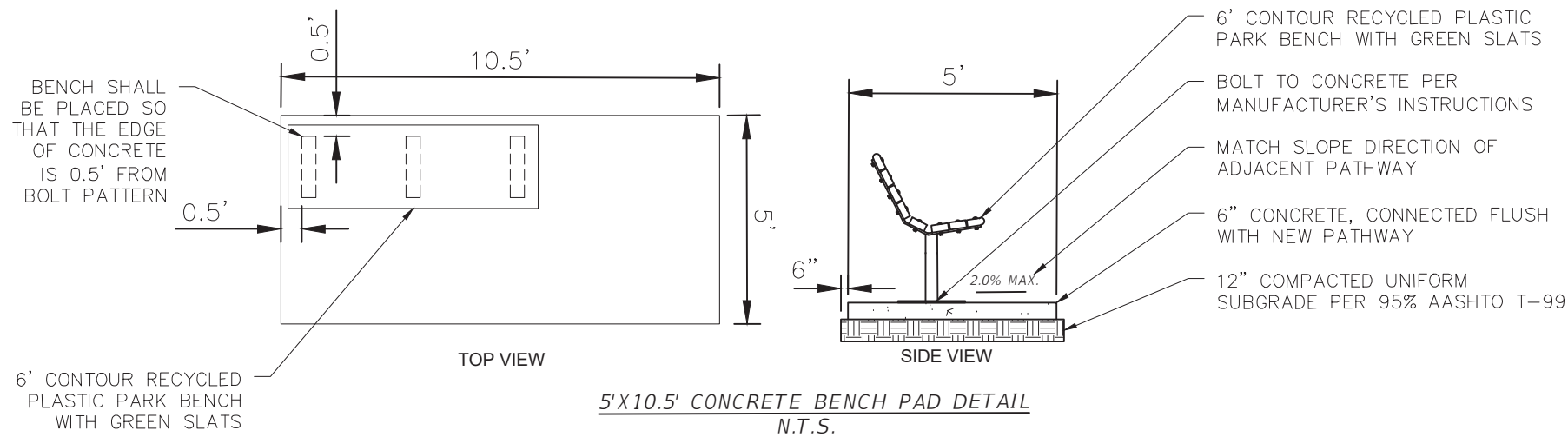
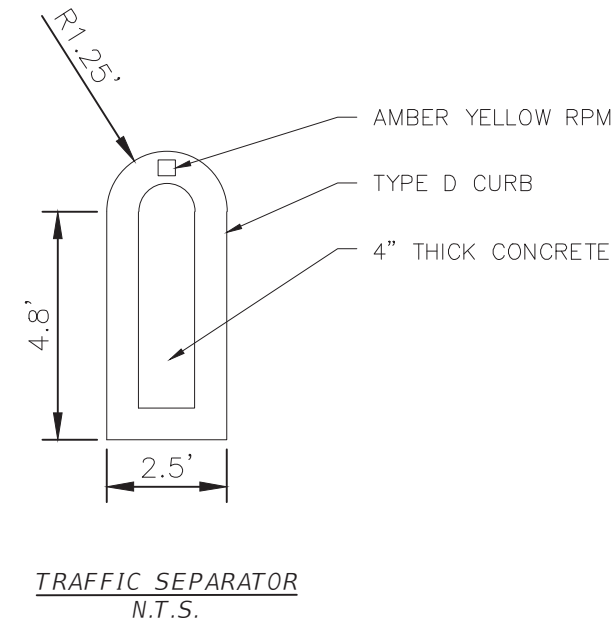
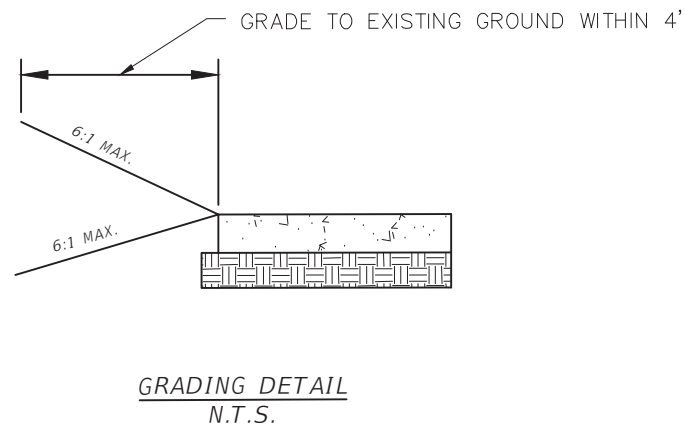
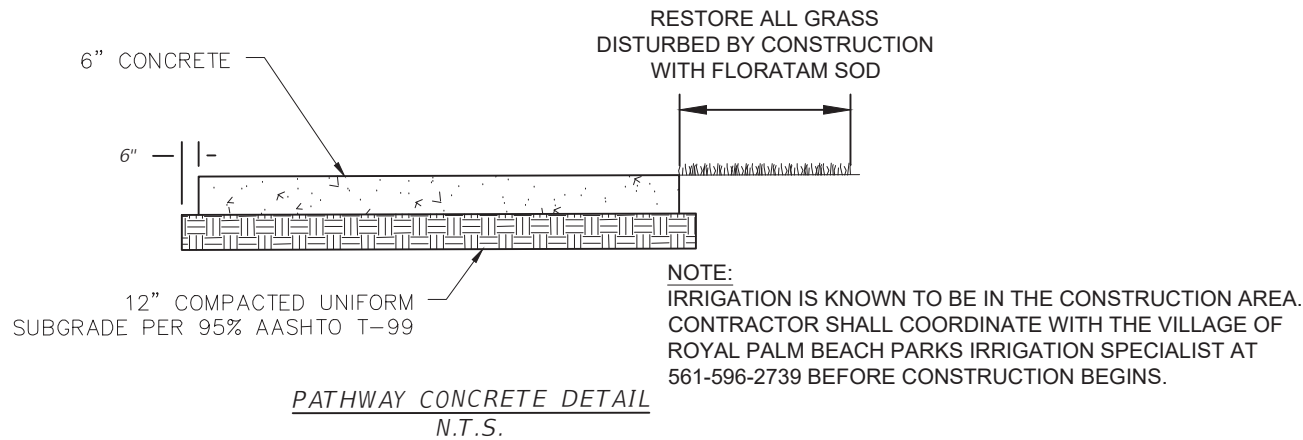
ROBINER PARK PATHWAY & KAYAK LAUNCH
PR1807

Village of Royal Palm Beach
Planning & Engineering
10900 Royal Palm Beach Boulevard
Royal Palm Beach, FL 33411-7095
Phone: (561) 995-3333 Fax: (561) 995-7095

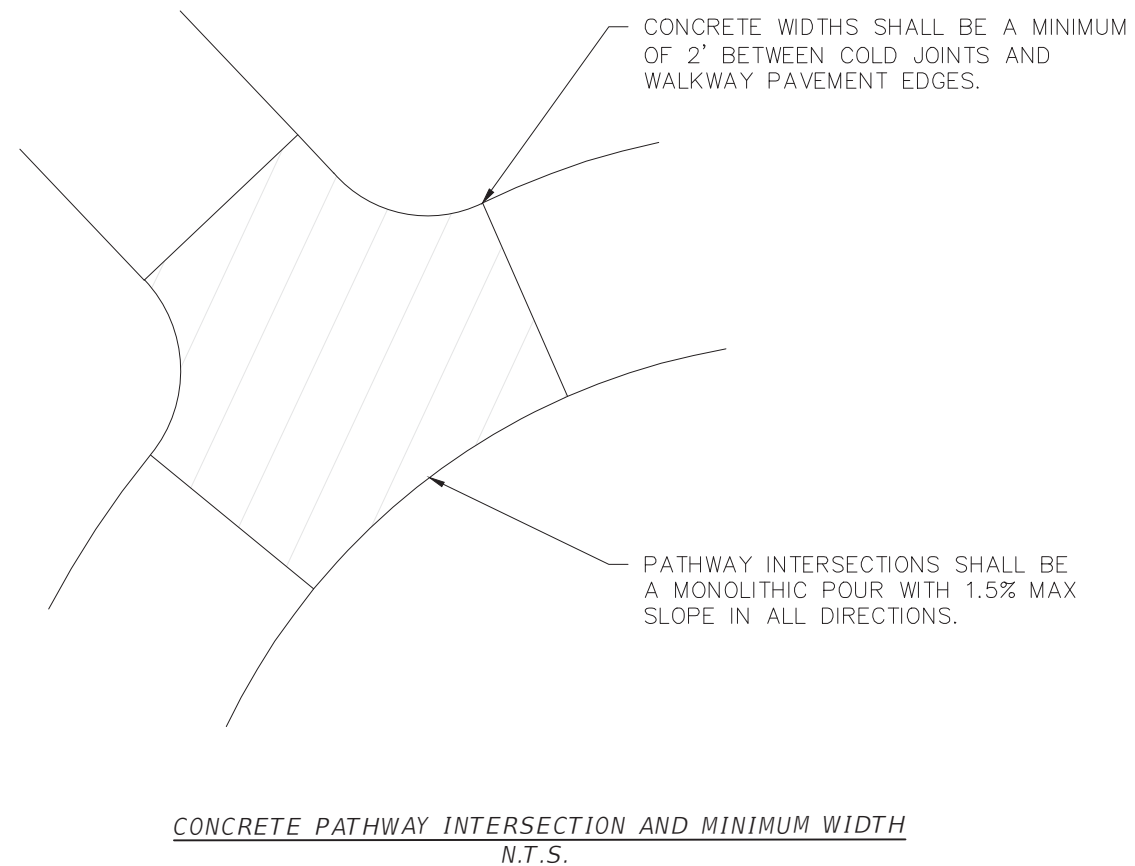
SEAL

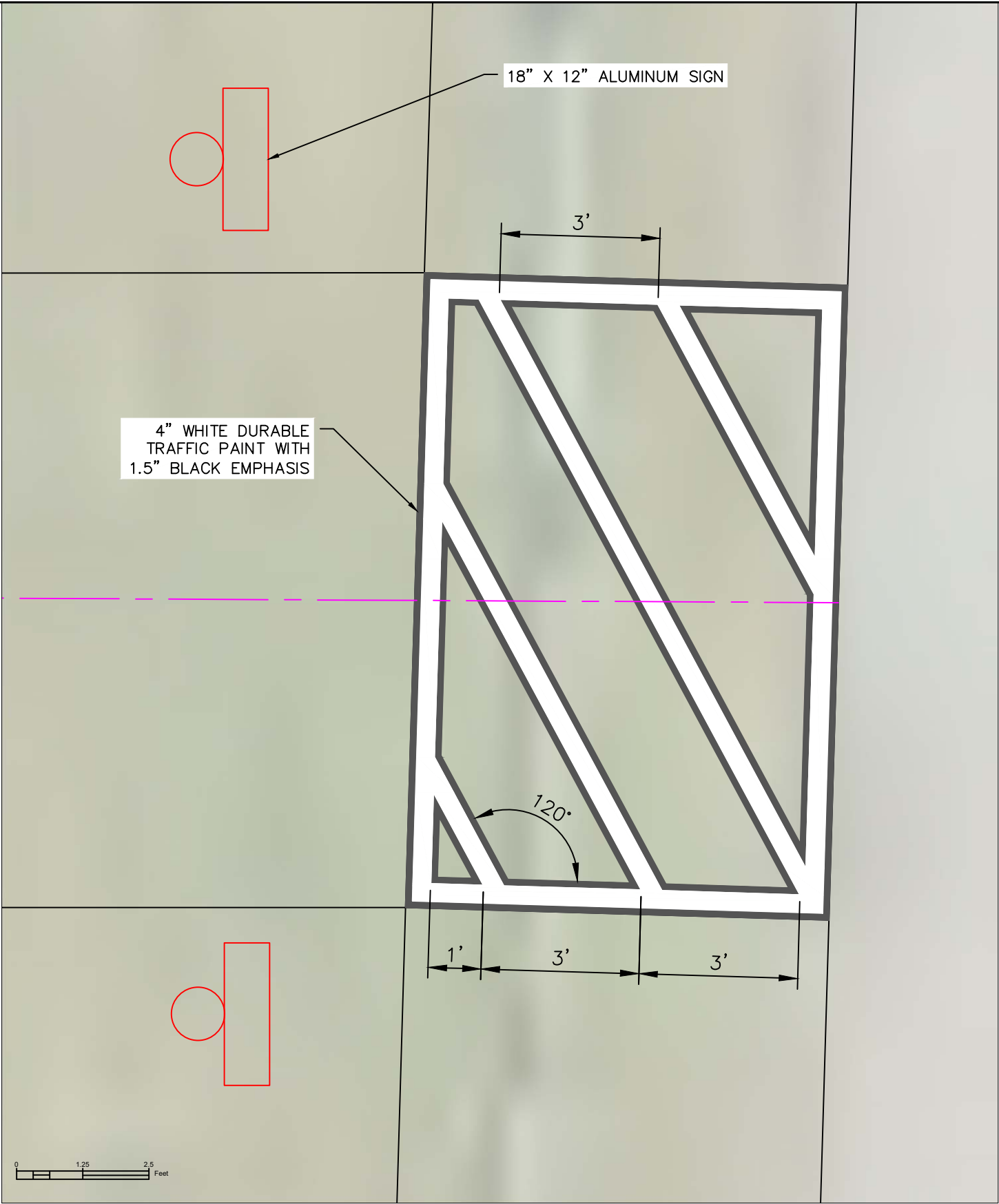
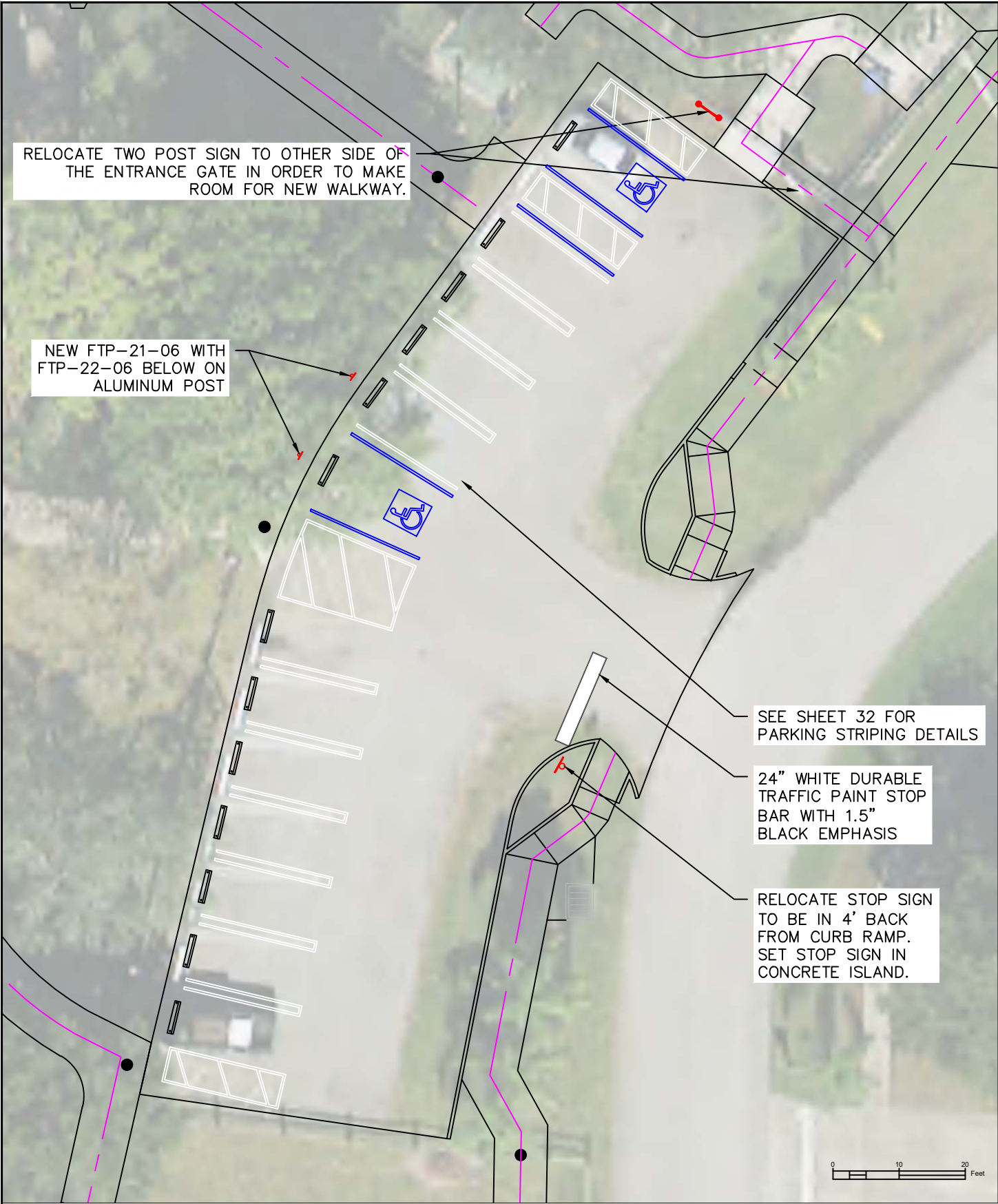
PAVING AND WATER LINE POINT TABLES
X:\CAPITAL PROJECTS\PR1807_ROBINER PARK PATHWAY & KAYAK LAUNCH\PRE-BID DOCUMENTS\09_PWD\DRWG-P_PR1807.DWG 7/21/2021

FORMATTED FOR 12" x 18"



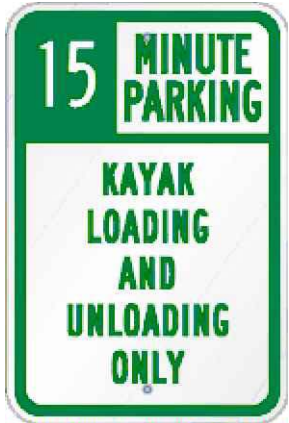
- REMOVABLE BOLLARD NOTES:
REMOVABLE BOLLARDS SHALL BE
- CARBON STEEL
 - COLORED SAFETY YELLOW BY MANUFACTURER
 - ADORNED WITH REFLECTIVE WARNING TAPE, AS DESCRIBED FOR STANDARD BOLLARDS ABOVE
 - INSTALLED PER MANUFACTURER'S INSTRUCTIONS





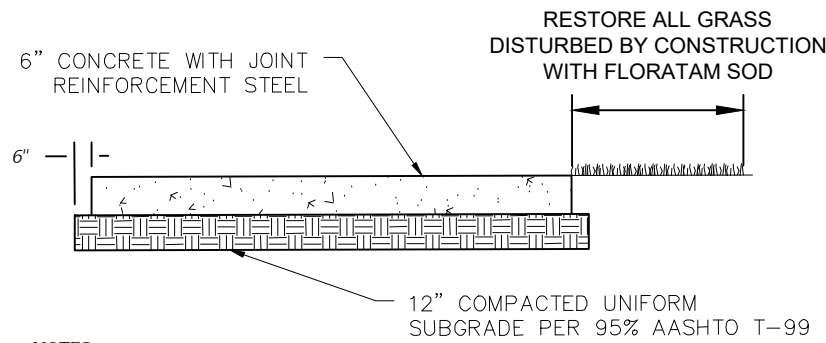
DURABLE TRAFFIC PAINT STRIPING TOTALS:	
4" WHITE WITH 1.5" BLACK EMPHASIS	580 LF
24" WHITE STOP BAR WITH 1.5" BLACK EMPHASIS	14 LF
WHITE UNIVERSAL SYMBOL OF ACCESSIBILITY WITH BLUE EMPHASIS (SEE SHEET 32)	2 EA
4" BLUE	72 LF
SIGNAGE TOTALS	
RELOCATE EXISTING TWO POST SIGN	1 EA
RELOCATE EXISTING STOP SIGN	1 EA
SINGLE POST ALUMINUM SIGN	2 EA

DURABLE TRAFFIC PAINT STRIPING TOTALS:	
4" WHITE WITH 1.5" BLACK EMPHASIS	67 LF
SIGNAGE TOTAL	
SINGLE POST ALUMINUM SIGN	2 EA



ON-STREET PARKING SIGN

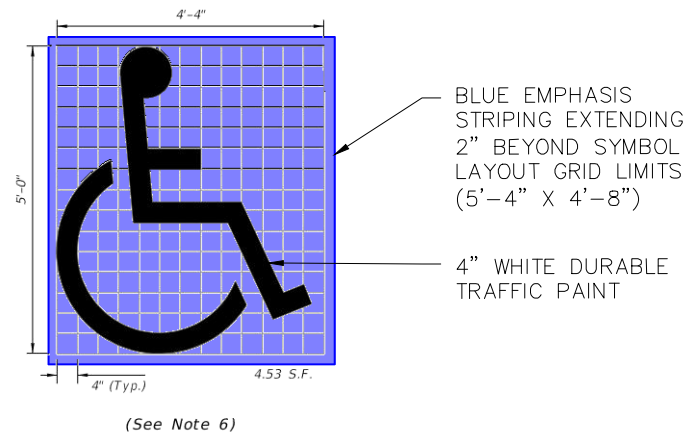
Addendum 2
7/21/2021



NOTES:

1. CONCRETE TO BE CURED FOR 28 DAYS, DRY AND JOINT BLOWN CLEAN OF ALL DEBRIS WITH HIGH PRESSURE AIR BEFORE INSTALLATION OF JOINT SEALANT MATERIAL.
2. SAW CUT JOINTS SHALL NOT EXCEED 15' x 15' (10' x 10' TYPICAL TO ALIGN WITH PARKING STALLS). THE GRID PATTERN SHALL BE UNIFORM THROUGHOUT THE PROPOSED PAVEMENT AREAS.
3. THE JOINTING PLAN SHOWN BELOW IS A GUIDELINE. PRIOR TO CONSTRUCTING CONCRETE PAVEMENT, THE CONTRACTOR IS TO SUBMIT A PROPOSED JOINTING PATTERN TO THE OWNER FOR APPROVAL.
4. FDOT STANDARDS SPECIFICATIONS 346 AND 350 SHALL BE USED FOR CLASS 1 PAVEMENT CONCRETE OR USE CONCRETE WITH A COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS (SUBMIT MIX DESIGN PRIOR TO PLACEMENT).

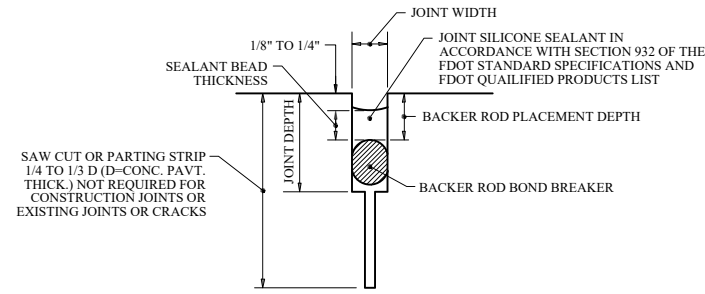
PARKING LOT CONCRETE DETAIL
N.T.S.



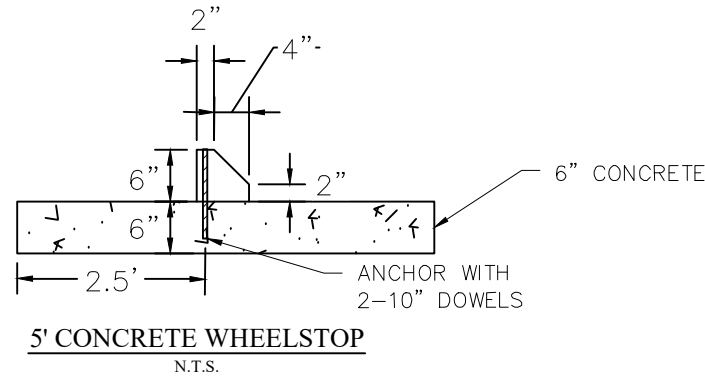
UNIVERSAL SYMBOL OF ACCESSIBILITY

BACKER ROD BOND BREAKER (CONCRETE-CONCRETE JOINTS)				
JOINT DIMENSIONS (INCHES)				
JOINT WIDTH	SEALANT BEAD THICKNESS	BACKER ROD DIA.	MINIMUM JOINT DEPTH	BACKER ROD REPLACEMENT DEPTH
1/4	1/4	3/8	1	1/2
3/8	1/4	1/2	1 1/4	1/2

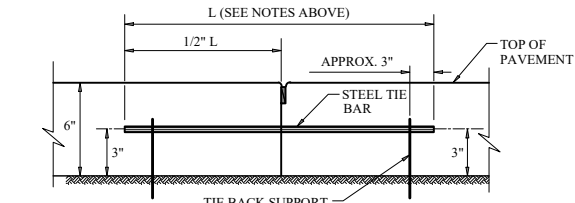
JOINT WIDTH WILL BE 1/4" FOR CONSTRUCTION JOINTS, 3/8" FOR ALL OTHER JOINTS.



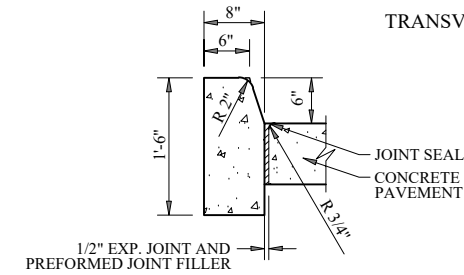
BACKER ROD BOND BREAKER
(FOR USE ON ALL JOINTS)



1. TIE BARS ARE DEFORMED #4 OR #5 REINFORCING STEEL BARS MEETING THE REQUIREMENTS OF SECTION 931 OF THE FDOT STANDARD SPECIFICATIONS.
2. PROVIDE A STANDARD LOAD TRANSFER TIED JOINT WITH #4 BARS 25" IN LENGTH (L) AT 24" OR #5 BARS 30" IN LENGTH (L) AT 38" SPACING.



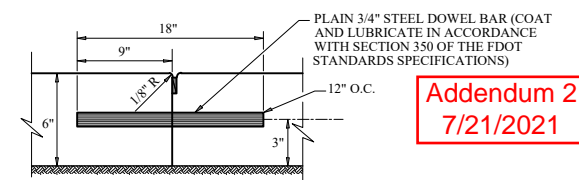
LONGITUDINAL BUTT CONSTRUCTION JOINT PLAN



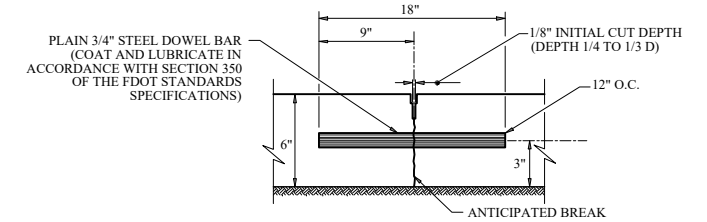
NOTES:

1. PROVIDE 1/8" - 1/4" CONTRACTION JOINTS AT 10' CENTERS (MAX.). CONTRACTION JOINTS ADJACENT TO CONCRETE PAVEMENT ON TANGENTS AND FLAT CURVES ARE TO MATCH THE PAVEMENT JOINTS, WITH INTERMEDIATE JOINTS NOT TO EXCEED 10' CENTERS. EXPANSION JOINTS SHALL BE LOCATED IN ACCORDANCE WITH THE LATEST EDITION OF FDOT STANDARDS SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION SECTION 520. CONTRACTION JOINTS SHALL BE LOCATED IN ACCORDANCE WITH THE LATEST EDITION OF STANDARD PLANS INDEX 520-001 (REPLACED INDEX 300).
2. EXPANSION JOINT, PREFORMED JOINT FILLER AND JOINT SEAL ARE REQUIRED BETWEEN CURBS AND CONCRETE PAVEMENT ONLY.
3. ENDS OF CURB SHALL TRANSITION FROM FULL TO ZERO HEIGHTS IN 3'.
4. CURBS AND CURBS AND GUTTERS SHALL BE IN ACCORDANCE WITH FDOT LATEST EDITION OF STANDARD PLANS INDEX 520-001 (REPLACED INDEX 300).

CONCRETE CURB AND GUTTER DETAILS
N.T.S.



BUTT CONSTRUCTION JOINT TO BE USED AT
DISCONTINUANCES OF WORK



TRANSVERSE CONTRACTION JOINT, SAWED METHOD

Addendum 2
7/21/2021

10/12/2020 7:30:51 AM



FORMATTED FOR 12" x 18"

DATE: JUNE 2021
SHEET: 33 OF 40

DESIGNED BY: AD
DRAWN BY: AD
REVIEWED BY: CM

Revision Description

By Date

ROBINER PARK PATHWAY & KAYAK LAUNCH
PR1807
DETAILS-ALUMINUM GUIDERAIL 1

Village of Royal Palm Beach
Planning & Engineering
10000 Royal Palm Beach Boulevard
Boca Raton, FL 33433-7095
Phone: (561) 995-1000 Fax: (561) 995-7095

SEAL

NOTES:

- Shop Drawings are required.
- Work with Specification 515.
- Materials:
 - Pan Head Set Screws: Aluminum Alloy 2024-74 or 7075-T73 or Stainless Steel (SS) Type 316 or 18-8 Alloy.
 - Base Plates and Cap Plates: ASTM B209, Alloy 6061-T6
 - Structural Pipe Tube and Bars: ASTM B221 or ASTM B429, Alloy 6061-T6
 - End Rails 90° bends and corner bends with a maximum 4 foot spacing: Alloy 6063-T5 is permitted.

RAILING MEMBER DIMENSIONS TABLE			
MEMBER	DESIGNATION	OUTSIDE DIMENSION	WALL THICKNESS
Posts	2" NPS (Sch. 40)	2.375"	0.154"
Rails	2" NPS (Sch. 40)	2.375"	0.154"
Rail Joint/Splice Sleeves	1½" NPS (Sch. 40)	1.900"	0.145"
Handrails Joint/Splice Sleeves	1" NPS (Sch. 40) 1.50 ODx0.125 Wall	1.315" 1.500"	0.133" 0.125"
Handrails	1½" NPS (Sch. 40)	1.900"	0.145"
Handrail Support Bar	1" Ø Round Bar	1.000"	N/A

- Galvanized Steel Fasteners:
 - Hex Head Bolts: ASTM A 307 Type 1 or ASTM F1554 Grade 36
 - Adhesive Anchors: ASTM F1554 Grade 36 fully threaded rods
 - Hex Nuts: ASTM A563
 - Flat Washers: ASTM F436
 - Aluminum Shims: ASTM B209, Alloy 6061
 - Bearing Pads: Plain, Fabric Reinforced, or Fabric Laminated meeting requirements of Specifications 515 & 932.
4. Fabrication:
- Place expansion joints at a maximum of 30'-0" spacing
 - Field splices are similar to the expansion joint detail and may be approved by the Engineer to facilitate handling; but top rail must be continuous across a minimum of two posts.
 - Continuity field splice (Detail "E"); only use to make the railing continuous for unforeseen field adjustments
 - Corners and changes in tangential longitudinal alignment may be made continuous with a 9" bend radius or terminated at adjoining sections with a standard end hoop when handrails are not required.
 - For curved longitudinal alignments, shop bend top and bottom rails and handrails to match the alignment radius.
 - For changes in tangential longitudinal alignment greater than 45°, position posts a maximum of 2'-0" each side of the corner, not at the corner apex.
5. Handrails are required and must be continuous at landings for:
- Grades Steeper than 5%
 - Three or more steps
6. Cutting of reinforcing steel is permitted for post installed anchor bolts.

LAST
REVISION
11/01/18

REVISION

DESCRIPTION:



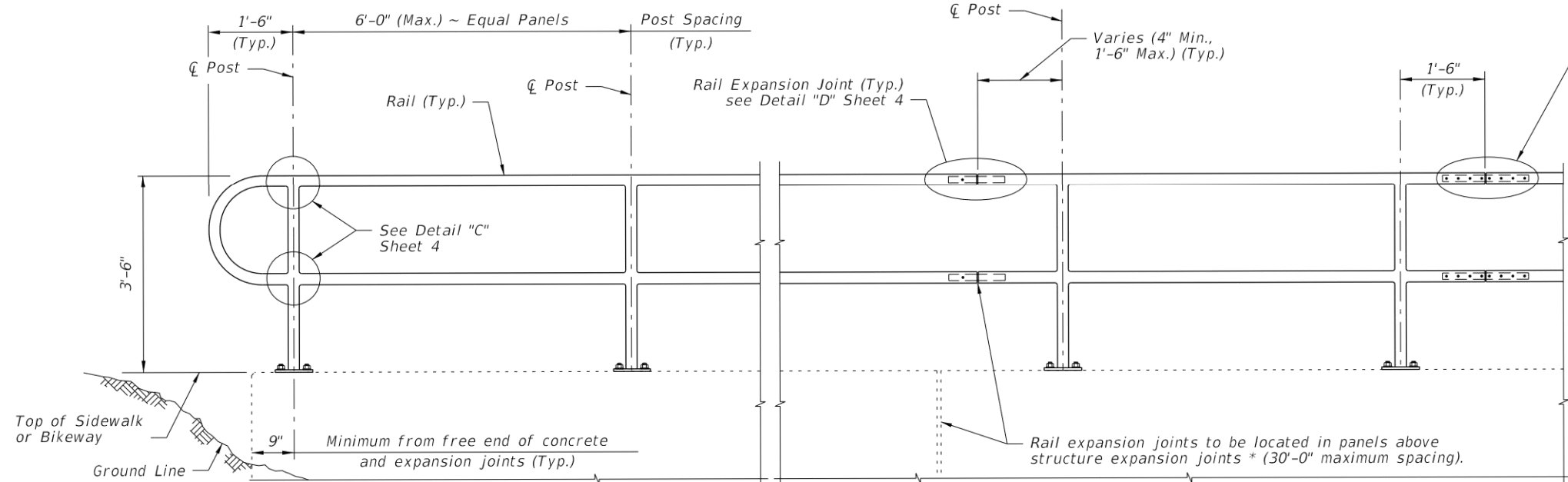
FY 2021-22
STANDARD PLANS

PIPE GUIDERAIL (ALUMINUM)

INDEX
515-070

SHEET
1 of 5

10/12/2020 7:30:53 AM

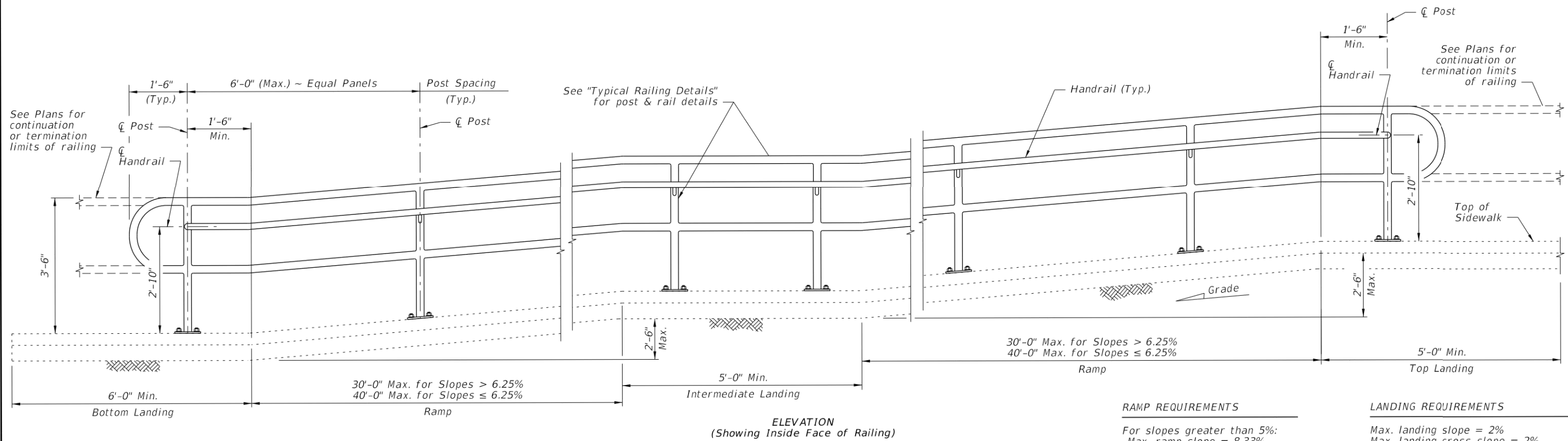


NOTES:
NPS = Nominal Pipe Size
STRUCTURES EXPANSION JOINTS NOTE:
* Keyed construction joints in Index 400-011 Gravity Wall are not considered to be expansion joints.

CROSS REFERENCE:
For Details "C", "D" and "E", see Sheet 4.

ELEVATION

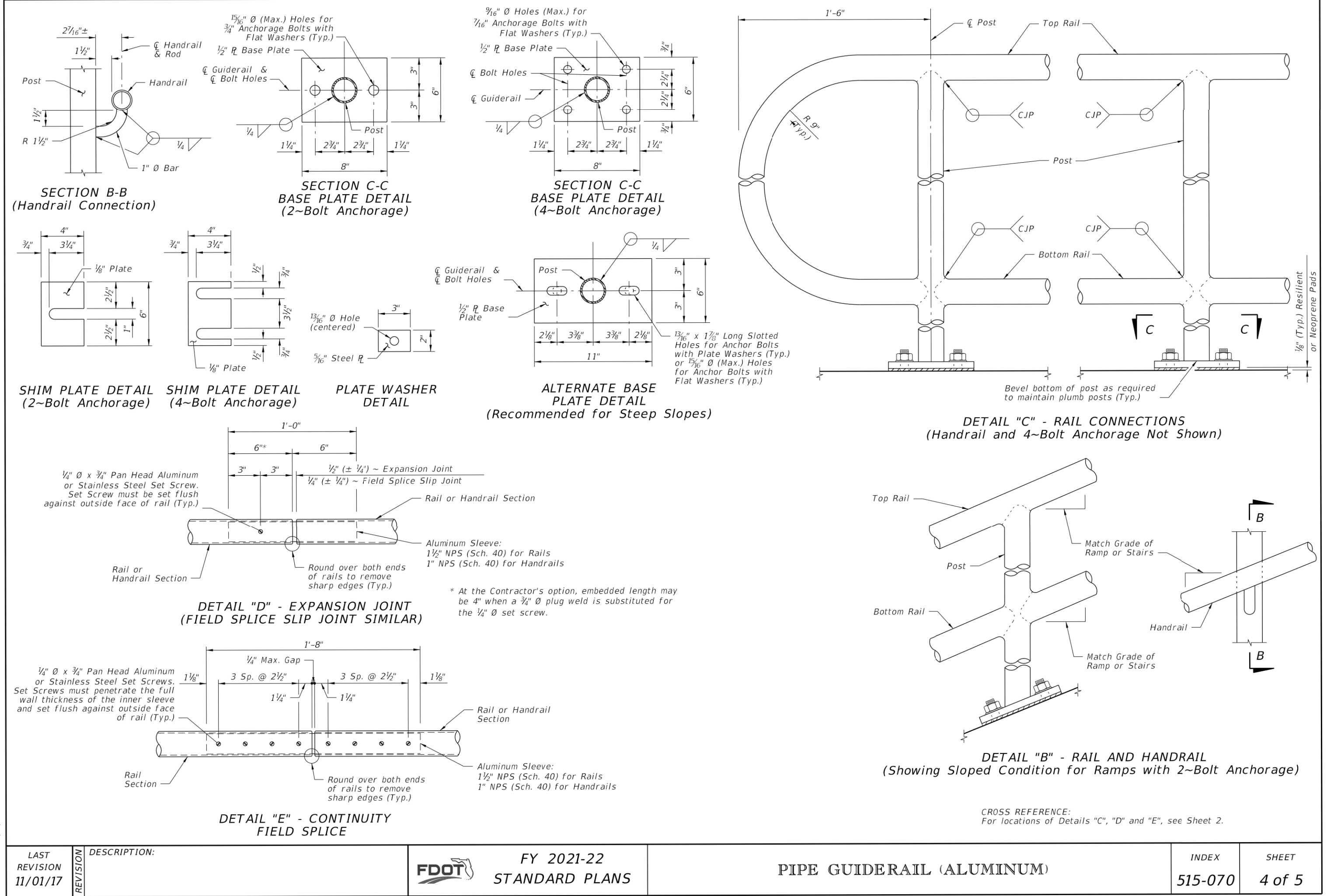
TYPICAL RAILING DETAILS & RAILINGS ON GRADES 0% TO 5%



ELEVATION
(Showing Inside Face of Railing)

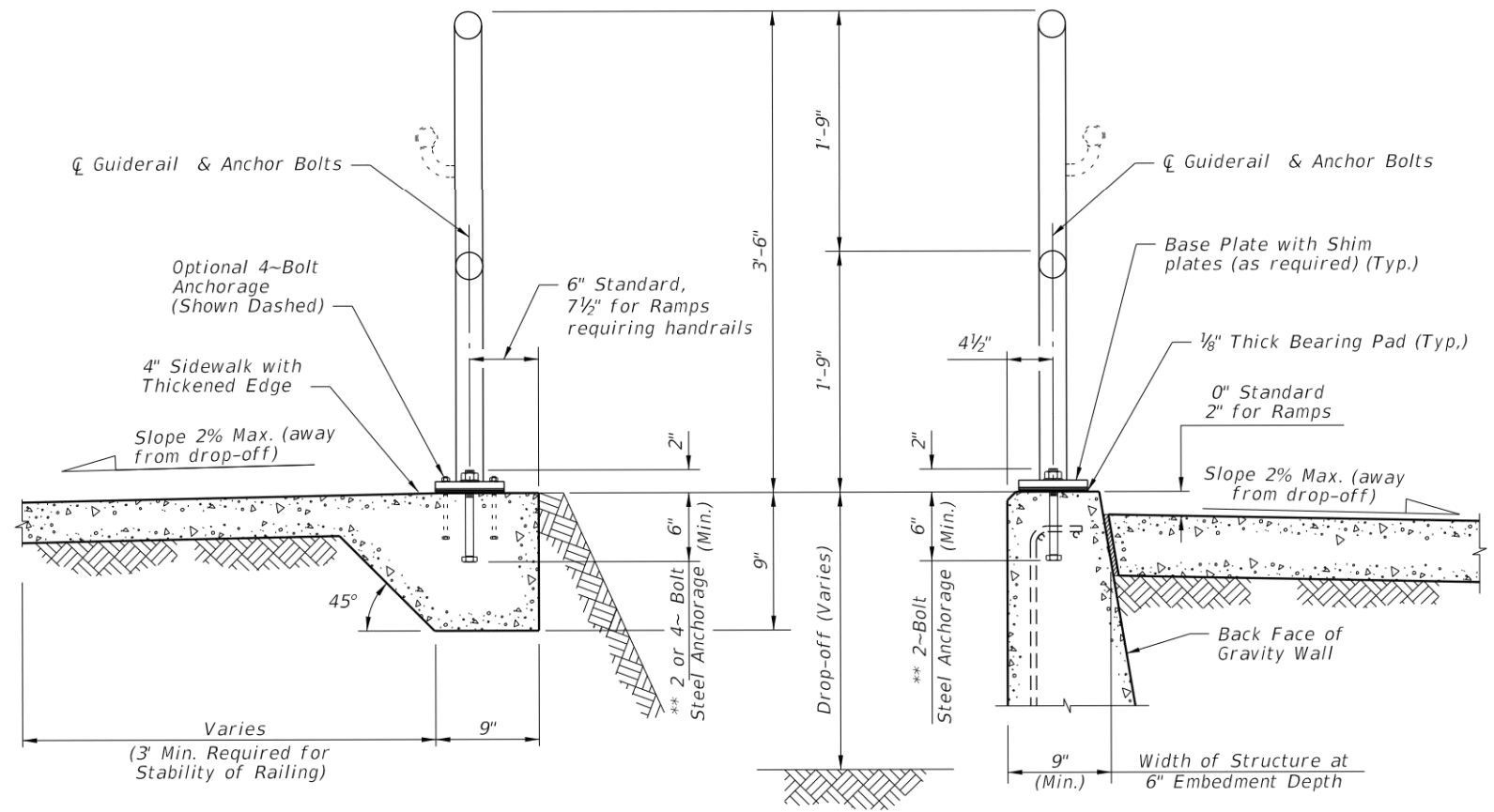
RAILINGS ON GRADES STEEPER THAN 5% TO 8.33%

LAST REVISION	DESCRIPTION:	FY 2021-22 STANDARD PLANS	PIPE GUIDERAIL (ALUMINUM)	INDEX	SHEET
11/01/17				515-070	2 of 5



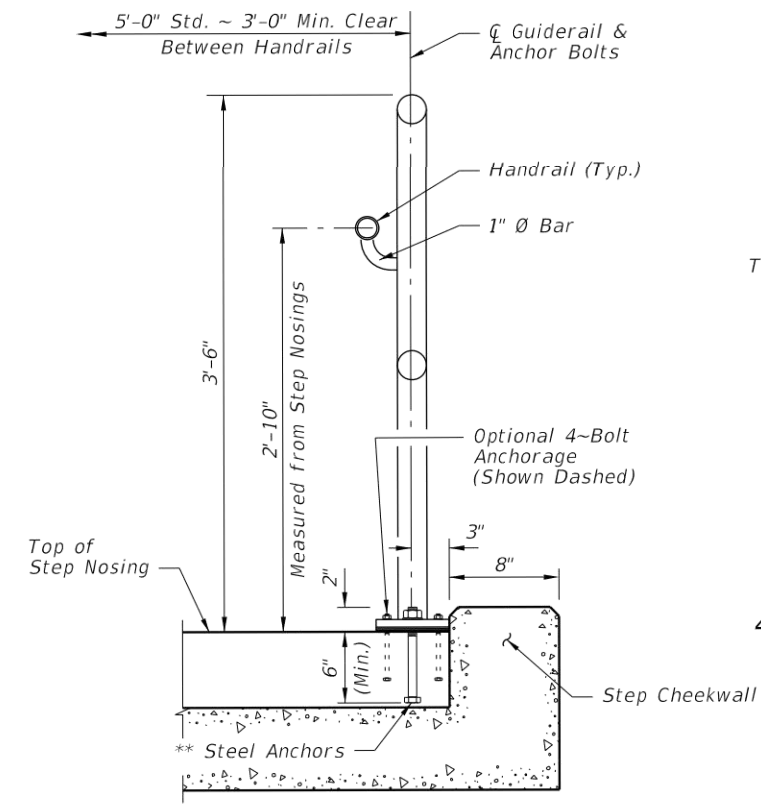
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11/01/17				515-070	4 of 5

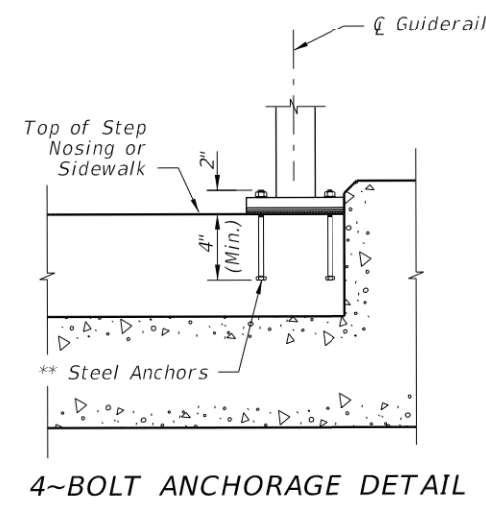


TYPICAL SECTION ON CONCRETE SIDEWALK

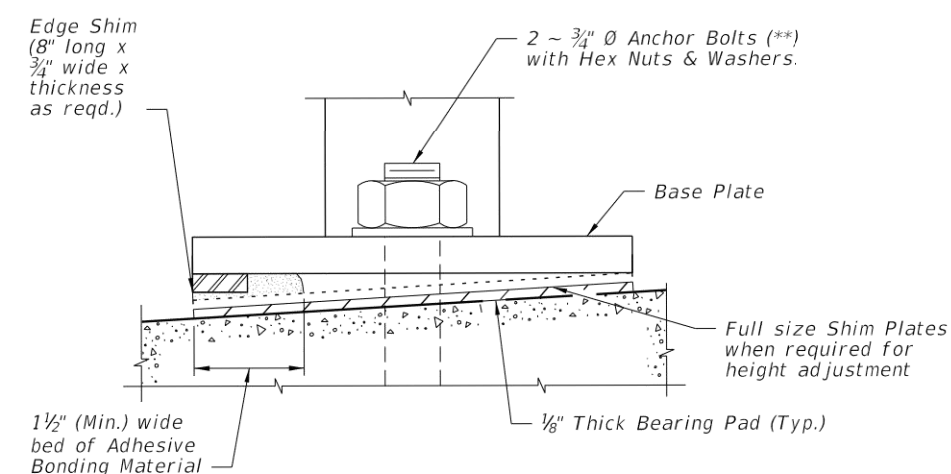
TYPICAL SECTION ON GRAVITY WALL
(Other Retaining Walls Similar)



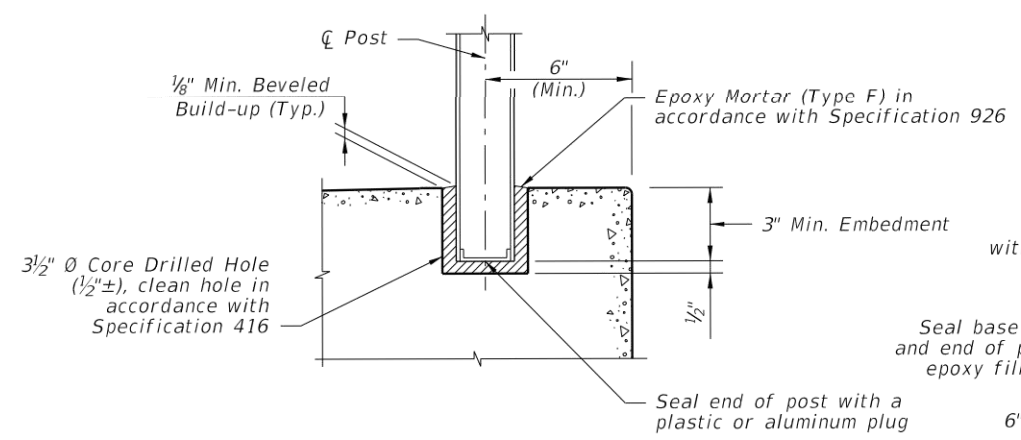
TYPICAL SECTION ON
STEPS & STAIRS



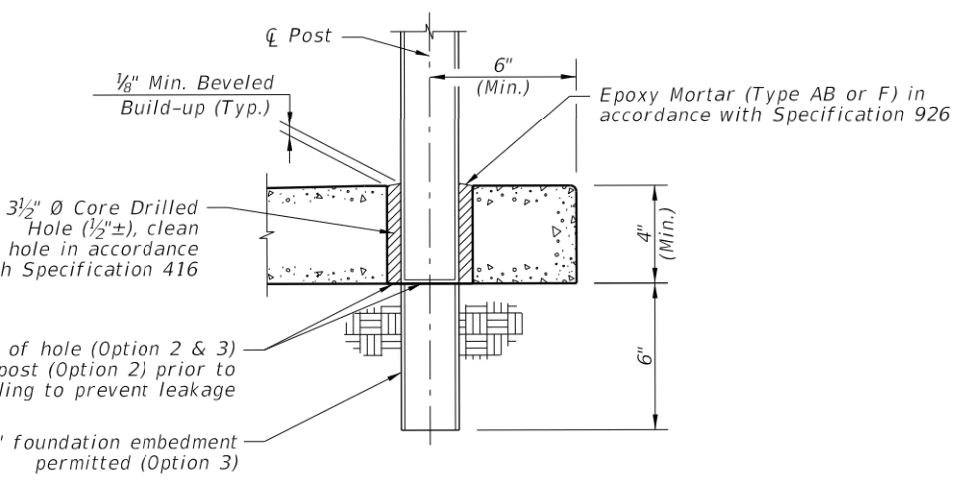
4~BOLT ANCHORAGE DETAIL



DETAIL "F" (OPTIONAL SHIMMING DETAIL
FOR CROSS SLOPE CORRECTION)
(Used in lieu of Beveled Shim Plates)



SIDEWALK ANCHORAGE DETAIL
OPTION 1

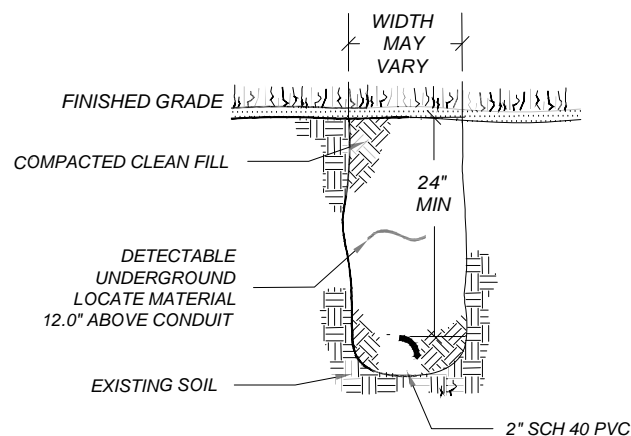
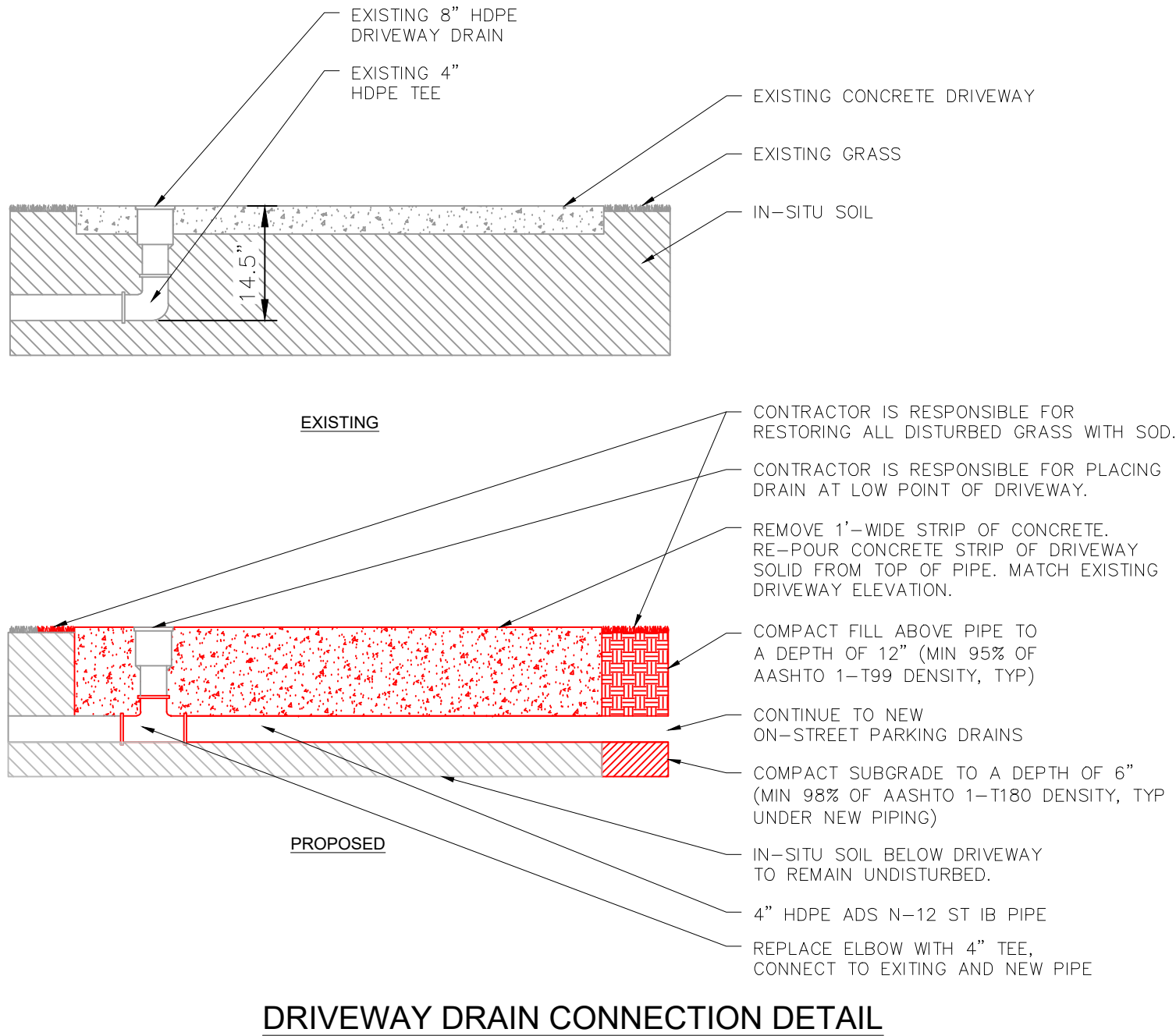


SIDEWALK ANCHORAGE DETAIL
OPTION 2 & 3

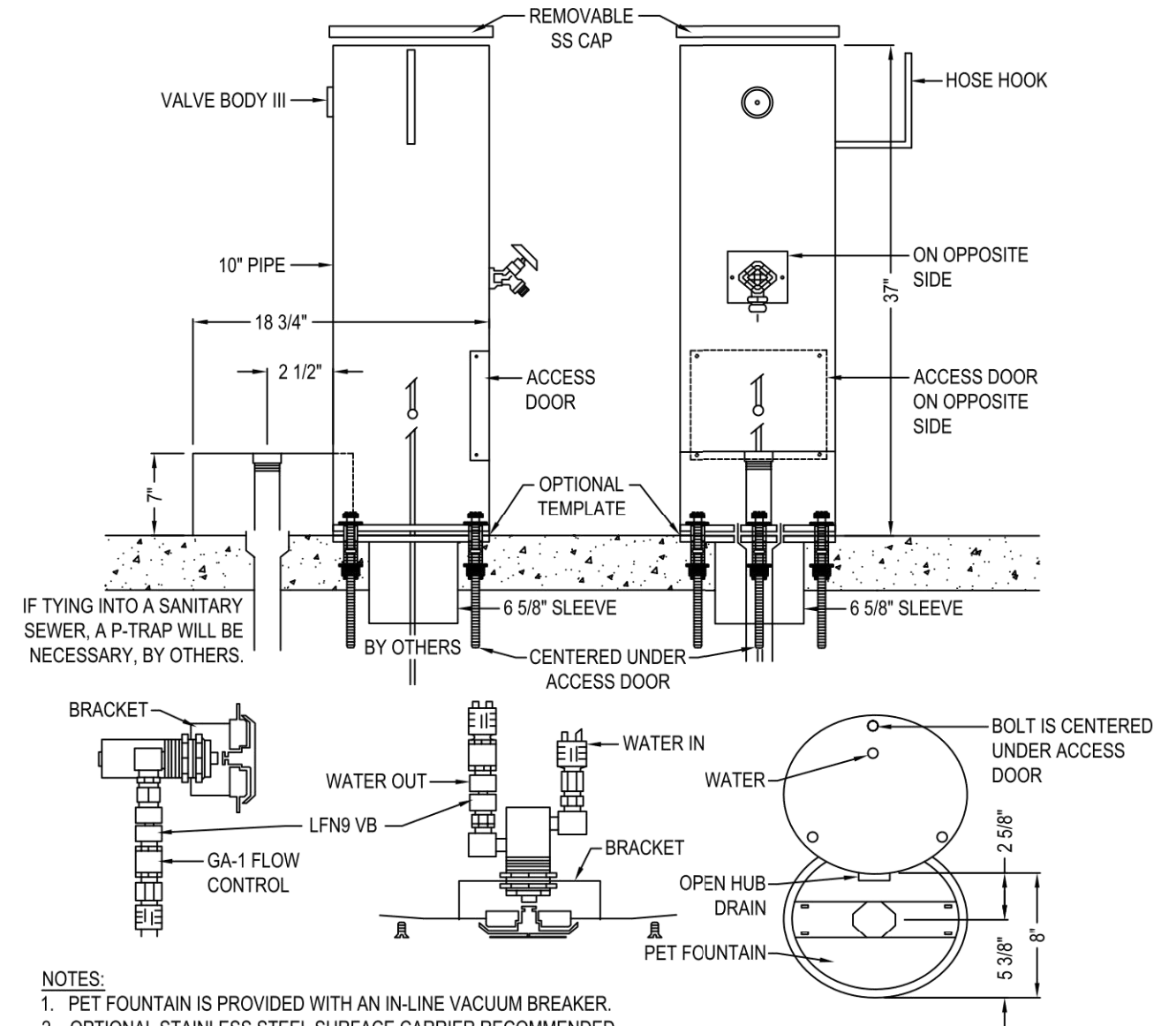
NOTES:
** 2 ~ 3/4" Ø x 8" or 4 ~ 7/16" Ø x 6" Steel Anchors:
Galvanized Steel Bolts (As Shown) (C-I-P); Galvanized U-Bolts
Permitted (C-I-P); Galvanized Adhesive Anchors Permitted
*** The minimum embedment for Adhesive Anchors is 6" for
2-Bolt Anchorage or 4" for 4-Bolt Anchorage.

10/12/2020 7:30:59 AM

LAST REVISION	DESCRIPTION:	FY 2021-22 STANDARD PLANS	PIPE GUIDERAIL (ALUMINUM)	INDEX	SHEET
11/01/20				515-070	5 of 5



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FAX: (901) 867-0159
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MODEL 370 SM
SHOWN OPTIONAL 10 SS SURFACE CARRIER, HOSE BIBB, HOSE HOOK



3354-9.93

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REVISION DATE 07/03/2019

CADdetails.com

Addendum 2
7/21/2021

poligon[®]

PROJECT: _____
LOCATION: _____
BUILDING TYPE: SQR-12
ROOF TYPE: MULTI-RIB

DRAWING LIST:

SHEET NUMBER	DRAWING DESCRIPTION
CS	COVER SHEET
1	ARCHITECTURAL ELEVATIONS
2	STRUCTURAL FRAMING PLAN
3	COLUMN LAYOUT

FABRICATOR APPROVALS:
CITY OF PHOENIX, AZ APPROVED FABRICATOR #C08-2010
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #1596
CITY OF RIVERSIDE, CA APPROVED FABRICATOR #SP06-0033
CITY OF HOUSTON, TX APPROVED FABRICATOR #470
CLARK COUNTY, NV APPROVED FABRICATOR #264
STATE OF UTAH APPROVED FABRICATOR 02006-14

CERTIFICATES:
MIAMI-DADE COUNTY CERTIFICATE OF COMPETENCY NO. 16-1025.01
PCI (POWDER COATING INSTITUTE) 4000 CERTIFIED

MATERIALS:

DESCRIPTION

ASTM DESIGNATION

TUBE STEEL

A500 (GRADE B)

SCHEDULE PIPE

A53 (GRADE B)

RMT PIPE

A519

LIGHT GAGE COLD FORMED

A1003 (GRADE 50)

STRUCTURAL STEEL PLATE

A36

ROOF PANELS (STEEL)

A653

GENERAL NOTES:
UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED TO ONLY SUPPORT WHAT IS SHOWN ON THESE DRAWINGS. POLIGON MUST BE CONTACTED IF ANYTHING ELSE IS TO BE ATTACHED TO THIS STRUCTURE (WALLS, COLUMN WRAPS, RAILINGS, ETC.) SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED ASSUMING A 20' SEPARATION BETWEEN ANY ADJACENT STRUCTURE WITH AN EAVE HEIGHT EQUAL TO OR GREATER THAN THE EAVE HEIGHT OF THIS STRUCTURE. IF THAT SEPARATION DOES NOT EXIST, POLIGON MUST BE CONTACTED SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

STRUCTURAL STEEL SHALL BE DETAIL, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL.

ALL WELDING IS PERFORMED BY AMERICAN WELDING SOCIETY CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.

PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS.

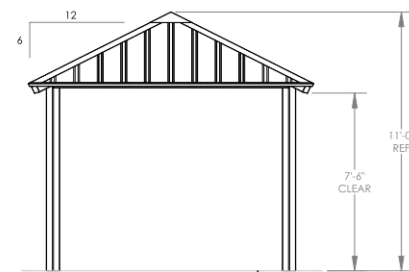
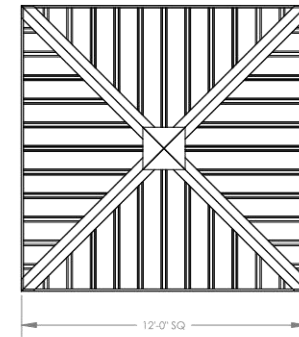
FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, BE RUN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERECTED.

STOP!!
NOT FOR CONSTRUCTION
USE FOR PRELIMINARY
PLANNING AND ESTIMATING
ONLY

DRAWING: COVER SHEET
SCALE: 1:32
REV LEVEL: A
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SHEET
CS



FINISH GRADE.
MOUNTING VARIES
BASED ON ENGINEERING
REQUIREMENTS.

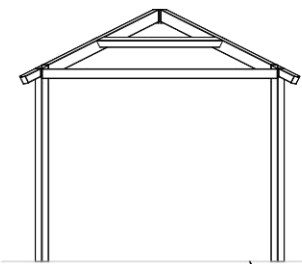
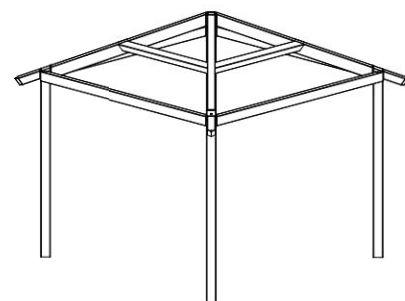
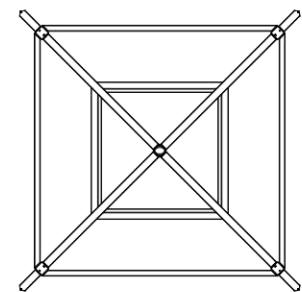
GENERAL ROOF NOTES:

- METAL ROOFING:
 - 24 GAUGE
 - GALVALUME COATED
 - KYNAR 500 PAINTED
- TRIM COLOR MATCHES ROOF
- SEE POLIGON.COM FOR COLOR OPTIONS

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SHEET
1

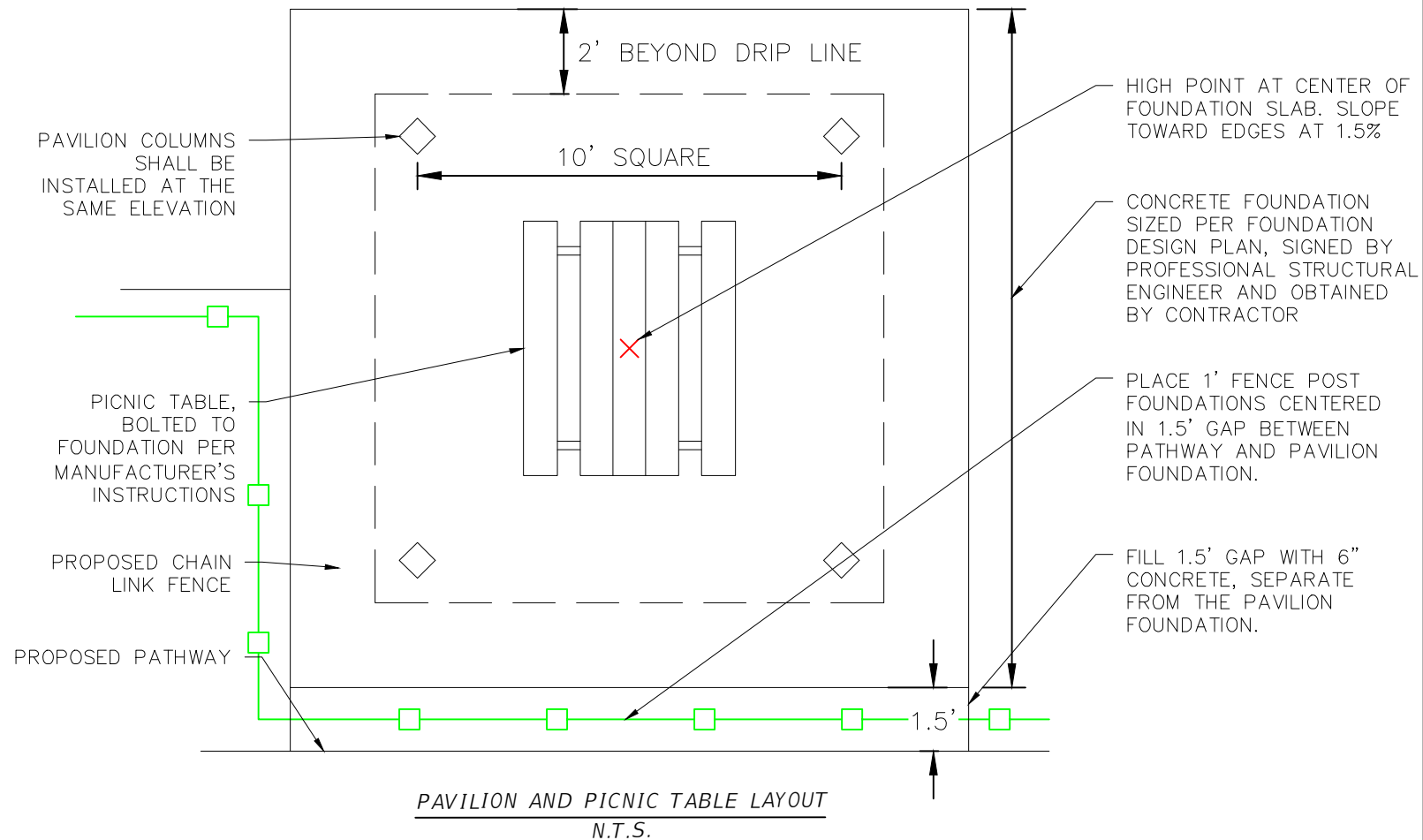


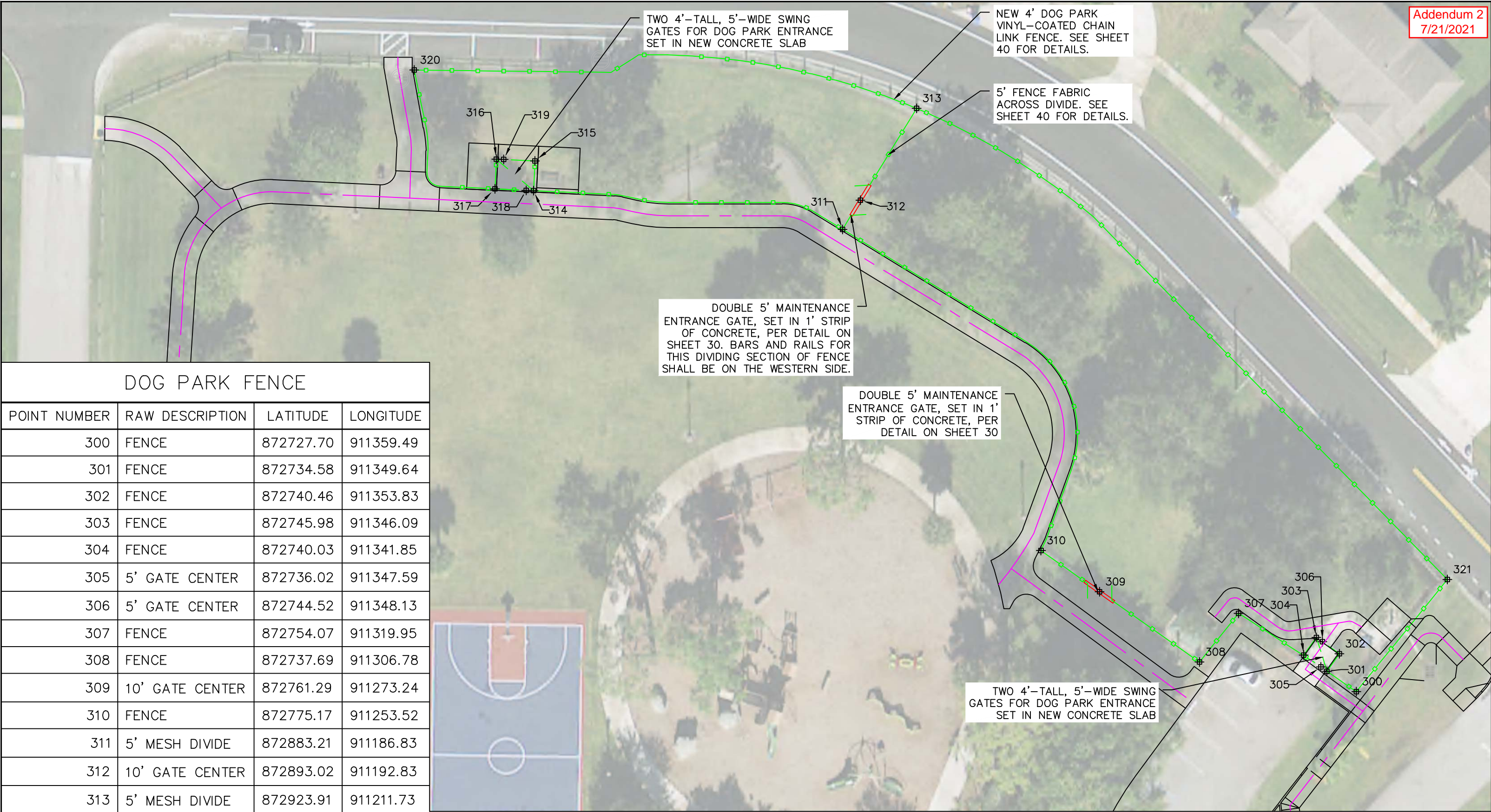
FINISH GRADE.
MOUNTING VARIES
BASED ON ENGINEERING
REQUIREMENTS.

STOP!!
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DRAWING: STRUCTURAL FRAMING PLAN
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SHEET
2





DOG PARK FENCE			
POINT NUMBER	RAW DESCRIPTION	LATITUDE	LONGITUDE
300	FENCE	872727.70	911359.49
301	FENCE	872734.58	911349.64
302	FENCE	872740.46	911353.83
303	FENCE	872745.98	911346.09
304	FENCE	872740.03	911341.85
305	5' GATE CENTER	872736.02	911347.59
306	5' GATE CENTER	872744.52	911348.13
307	FENCE	872754.07	911319.95
308	FENCE	872737.69	911306.78
309	10' GATE CENTER	872761.29	911273.24
310	FENCE	872775.17	911253.52
311	5' MESH DIVIDE	872883.21	911186.83
312	10' GATE CENTER	872893.02	911192.83
313	5' MESH DIVIDE	872923.91	911211.73
314	FENCE	872896.24	911082.97
315	FENCE	872906.23	911083.45
316	FENCE	872906.85	911070.46
317	FENCE	872896.86	911069.99
318	5' GATE CENTER	872896.36	911080.47
319	5' GATE CENTER	872906.73	911072.96
320	FENCE	872936.80	911042.84
321	FENCE	872765.44	911390.10

LEGEND

LIMITS OF NEW PAVEMENT

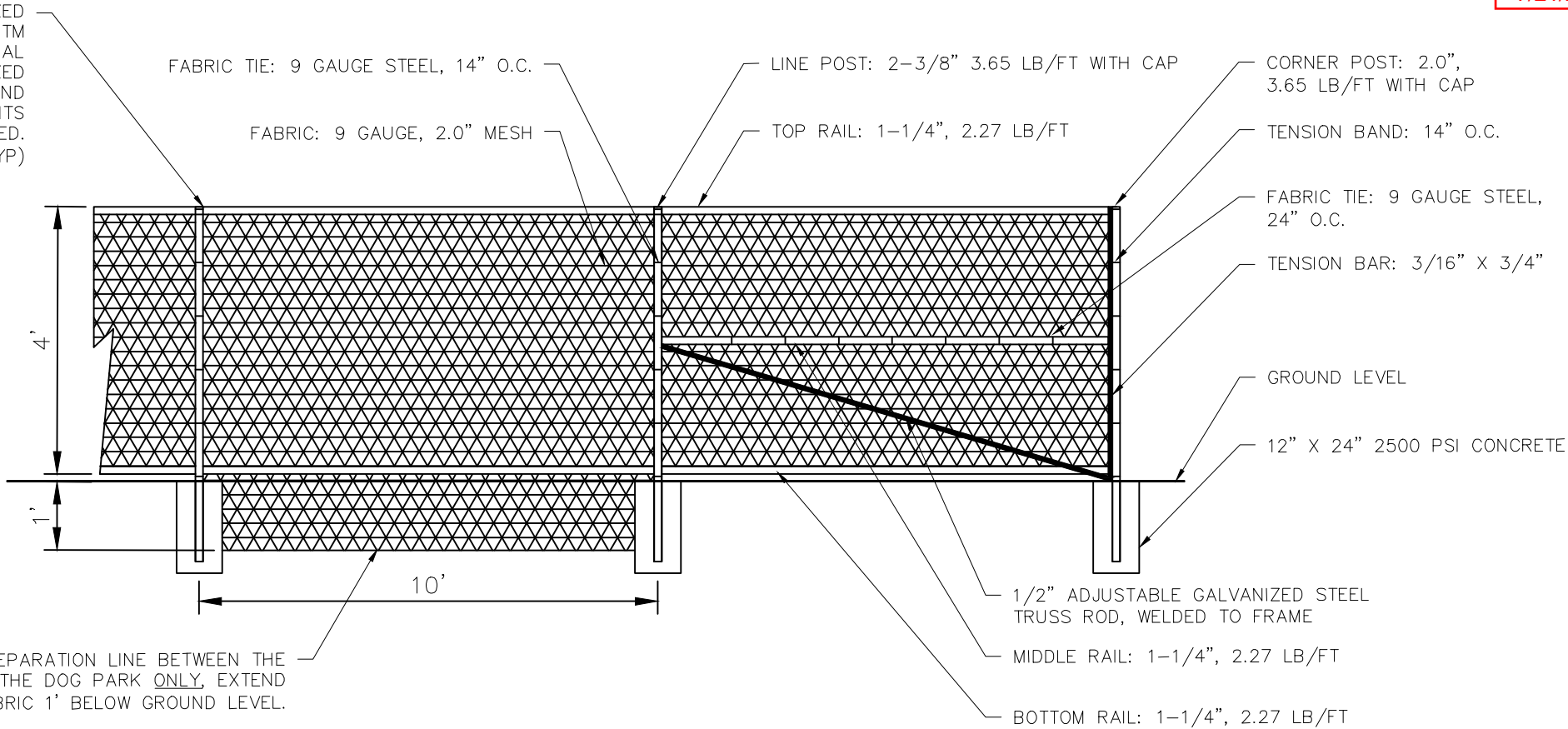
NEW DOG PARK FENCE

GENERAL NOTES:

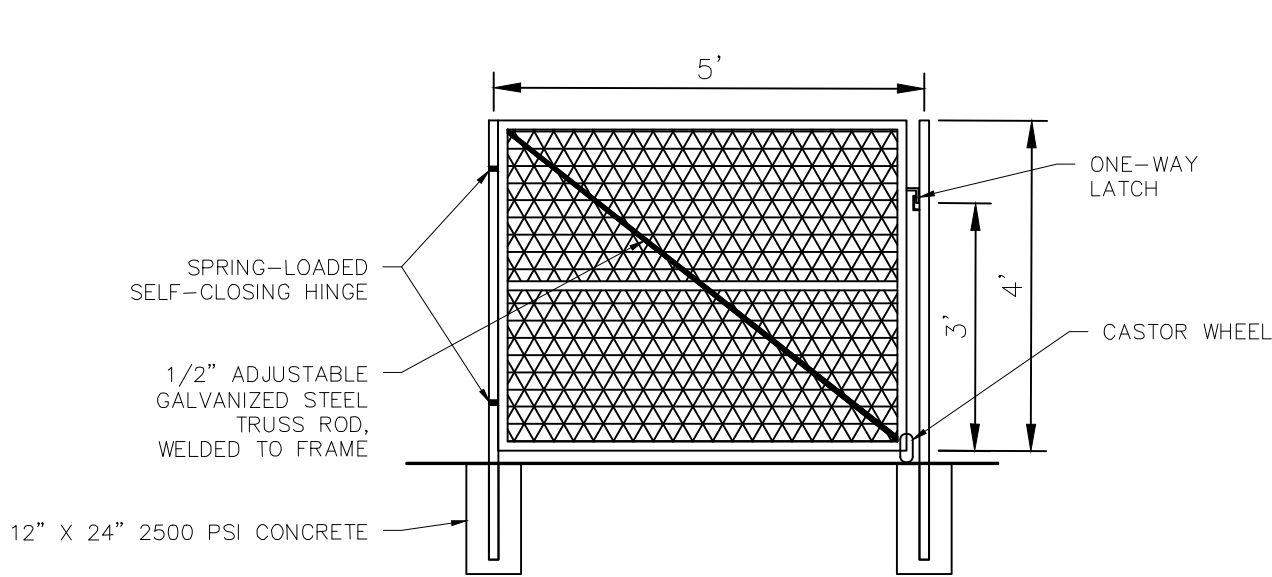
1. ALL JOINTS SHALL BE WELDED.
2. CORNER POSTS SHALL BE BRACED IN BOTH DIRECTIONS.
3. ALL POSTS AND FRAMEWORK SHALL BE ASTM 123 SCHEDULE 40 GALVANIZED PIPE.
4. FABRIC SHALL BE GALVANIZED 9 GAUGE, 2.0" MESH, WITH CLASS 1 PVC FUSED AND ADHERED TO ZINC-COATED STEEL WIRE, PER ASTM F 668 CLASS 1.
5. ALL POSTS, RAILS, HARDWARE, AND FITTINGS SHALL MATCH THE FINISH OF THE FABRIC, AND BE COATED WITH 10 TO 15 MILS OF GREEN PVC, PER ASTM F1043 GROUP 1A.
6. LATCHES, LOCKS, HINGES, AND OTHER CONNECTION COMPONENTS SHALL BE PAID UNDER DOG PARK FENCING ITEM.
7. FABRIC SHALL BE MOUNTED ON THE INNER SIDE OF THE DOG PARK AND DOG PARK ENTRANCE AREAS, WITH ALL BARS AND RAILS ON THE OUTER SIDE.

SCHEDULE 40 GALVANIZED STEEL FRAME, PER ASTM 1083, WITH COMMERCIAL GRADE GALVANIZED LOCKING HASP AND HINGES. ALL JOINTS SHALL BE WELDED. (TYP)

ALONG THE SEPARATION LINE BETWEEN THE TWO HALVES OF THE DOG PARK ONLY, EXTEND FENCE FABRIC 1' BELOW GROUND LEVEL.



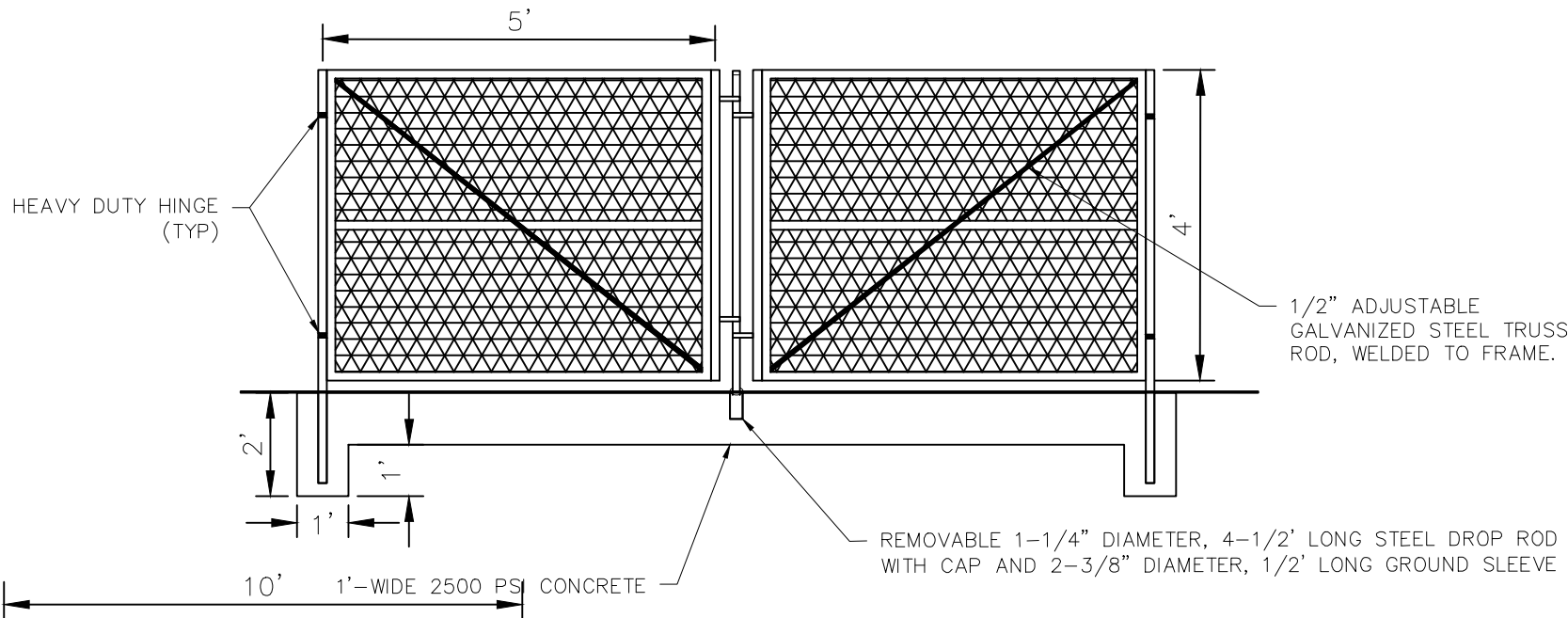
VINYL COATED CHAN LINK FENCE DETAILS



4.0' X 5.0' PUBLIC ENTRANCE SWING GATE DETAIL

PUBLIC ENTRANCE GATE NOTES:

1. ALL GATES SHALL OPEN INWARD, AS SHOWN ON PLAN SHEETS.
2. A CASTOR WHEEL SHALL BE INSTALLED TO PREVENT SCRAPING
3. EACH GATE SHALL HAVE A ONE-WAY, LOCKABLE LATCH



4.0' X 5.0' DOUBLE MAINTENANCE ENTRANCE SWING GATE DETAIL

GENERAL GATE NOTES:

1. FRAME SHALL BE 1-7/8" ASTM F1043 GROUP 1A F1083 SCHEDULE 40 GALVANIZED STEEL PIPE, WELDED PER ASTM F900.

Revision Description

By Date

ROBINER PARK PATHWAY & KAYAK LAUNCH

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SEAL

PR1807
DETAILS DOG PARK FENCE

DATE: JUNE 2021
SHEET: 40 OF 40

DESIGNED BY: AD
DRAWN BY: AD
REVIEWED BY: CM