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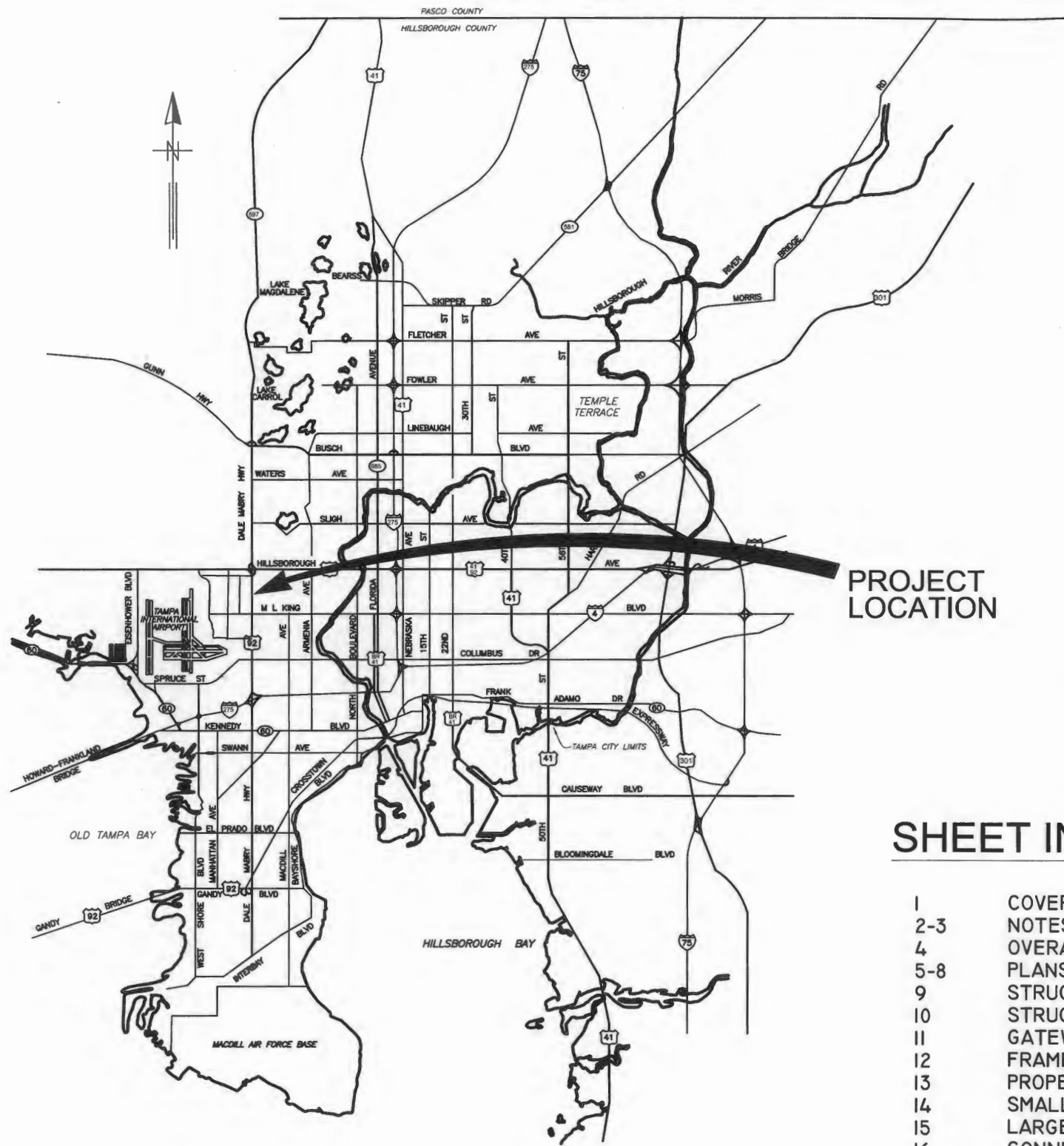
Please Email ALL Questions:

[MailTo:ContractAdministration@TampaGov.net](mailto:ContractAdministration@TampaGov.net)

Please Let Us Know If You Plan To Bid

City of Tampa
Contract Administration Department
306 E. Jackson St. #280A4N
Tampa, FL 33602
(813)274-8456

LOCATION MAP



PROJECT LOCATION

CITY of TAMPA



DREW PARK GATEWAY FEATURES
100% CONSTRUCTION DOCUMENTS

CONTRACT #

SHEET INDEX

- 1 COVER SHEET
- 2-3 NOTES
- 4 OVERALL LOCATION PLAN
- 5-8 PLANS
- 9 STRUCTURAL NOTES
- 10 STRUCTURAL DETAILS
- 11 GATEWAY MONUMENT ELEVATIONS
- 12 FRAME PLAN
- 13 PROPELLER
- 14 SMALL LETTERING
- 15 LARGE LETTERING
- 16 CONNECTION DETAILS

DAVID CONNER
+ ASSOCIATES

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BAYSIDE
ENGINEERING

110 NORTH 11TH STREET, 1ST FLOOR
TAMPA, FL 33602-5860
PHONE: (813)314-0314 FAX: (813)314-0315

LANDSCAPE PLANS
LANDSCAPE ARCHITECT OF RECORD: *[Signature]*
DAVID CONNER, ASLA
FLORIDA LIC. NO.: 1327

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS
MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION.
THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

GENERAL NOTES:

1. All materials and workmanship shall conform to the most recent edition of the building code in the city of Tampa and state of Florida where the work is to be constructed and installed. All work shall be performed to the highest professional standards and shall be free of imperfections in material and workmanship and be suitable for its intended use and location. The contractor shall have in-house, broad knowledge, diverse shop and field experience, flexibility, coordination ability, skilled craftsmen and physical plant necessary to produce quality products equivalent to or superior to similar type products produced by other contractors in the same area of expertise. It is intended that all finished work be of the highest quality to pass eye-level examination and scrutiny by the City of Tampa Representative. Contractor shall be responsible for all foundations as identified in the documents and structural engineering for the fabrication of the elements including their attachment to the footings. Structural design shall be in compliance with all applicable local, state and national codes and inspections.
2. The Contractor shall field verify/measure all dimensions and review all site conditions prior to commencing work. Contractor shall review site conditions prior to commencing with the work and notify the City of Tampa Representative in writing of any discrepancies, deviations or inconsistencies in the drawings, specifications, descriptions, locations or conditions. Where no dimension is indicated, do not attempt to scale dimensions. Contact the City of Tampa Representative in writing for clarification before proceeding with the work.
3. Specific notes and details on drawings shall take precedence over general notes and typical details.
4. All elements shall be engineered to withstand wind load requirements as specified by Florida building codes.
5. Limit of clear sight per FDOT index 546, single unit truck on 6 lane divided roadway with median less than 35'. Design speed for roadway is 50 MPH. Drivers eye position set 14.5' from edge of travel lane. Horizontal clearance per FDOT plans preparation manual, 50 MPH curbless condition on urban road. Contractor shall verify all dimensions in field.
6. The contract structural drawings and specifications represent the footings anticipated to support the design feature as indicated on the plans. The design features do not indicate the method of construction, nor all details of fabrication required for the complete structural integrity of the elements, including consideration for static, dynamic and erection loads during handling, erecting and service at the installed locations, nor do they take into consideration the preferred shop practices of the individual contractors, therefore, it shall be the responsibility of the Contractor to perform the complete structural design of the elements and to incorporate all reasonable safety factors necessary to protect the City of Tampa, David Conner & Associates and our consultants, and Contractor against liability.
7. All work must be performed in accordance with all federal, state and local safety laws.
8. Contractor shall provide five (5) sets of shop drawings to the City of Tampa for approval, including required engineering, which shall be sealed by an engineer licensed in the state of Florida. Contractor shall incorporate all modifications or corrections to the shop drawings, and resubmit for approval. Once the shop drawings have been approved, Contractor may proceed with required submittals, however work shall not commence until submittals have been approved, and Contractor receives written authorization to proceed from the City of Tampa Representative.
9. All construction activity must maintain existing drainage patterns.

PERMITS & ENGINEERING:

1. Contractor is responsible for all applicable fees associated with permitting.



ALUMINUM:

1. All aluminum shall conform to aluminum association specifications of hardness and dimensional tolerances.
2. Aluminum sheet and plate shall conform to ASTM B 209, Alloy 5000 series for anodized finish, Alloy 5000 series for painted finish.
3. Provide with mill finish for work which will receive a painted finish.
4. Extruded aluminum shall be Alloy 6063-T5. Provide with mill finish for work which will receive a painted finish.
5. Unless otherwise specifically approved in writing by the client representative, furnish exact sections, weights and kinds of material specified, using details and dimensions shown. Not all connections are detailed; similar details apply to similar conditions, unless otherwise indicated. Contact the City of Tampa representative promptly to verify design of members or connections in any situation where design requirements are unclear.
6. Establish that joint welding procedures are pre-qualified or tested in accordance with American Welding Society (AWS) qualification procedures.
7. Welders must be currently certified under American Welding Society (AWS) qualification procedures.
8. Materials provided shall be free of surface blemishes such as pitting, roller marks, rolled trade names and surface roughness.

STRUCTURAL STEEL:

1. Fabrication of structural steel framing members shall be in accordance with the latest edition of the AISC "Code of Standard Practice for Steel Buildings and Bridges."
2. Unless otherwise specifically approved in writing by City of Tampa Representative, furnish exact sections, weights and kinds of material specified, using details and dimensions shown. Not all connections are detailed; similar details apply to similar conditions, unless otherwise indicated. Contact City of Tampa Representative promptly to verify design of members or connections in any situation where design requirements are unclear.
3. Establish that joint welding procedures are pre-qualified or tested in accordance with American Welding Society (AWS) qualification procedures.
4. Welders must be currently certified under American Welding Society (AWS) qualification procedures.
5. Protect steel and other materials from damage and corrosion. If temporary storage at project site is required, keep steel members off ground, using platforms or pallets, in location easily accessible for inspection.
6. Materials provided shall be free of surface blemishes such as pitting, roller marks, rolled trade names and surface roughness.
7. Structural steel members shall conform to ASTM A 36.
8. Structural tubing, cold-formed shall conform to ASTM A 500.
9. Steel pipe columns shall conform to ASTM A 53.
10. Galvanized anchor bolts shall conform to ASTM A 307. Carbon steel, Grade C. Galvanized steel plate washers and nuts shall conform to ASTM A 36.
11. High-strength structural bolts shall conform to ASTM A 325, with matching ASTM A 563 nuts and ASTM F 436 washers.
12. Carbon steel nuts and bolts shall conform to ASTM A 307. Provide hexagonal bolt heads and nuts at all exposed locations.
13. Welding electrodes and fluxes shall conform to ASTM Standards for the application.
14. Shop fabricate and assemble to maximum degree possible in compliance with requirements of AISC specifications. Cut, fit and assemble units with exposed surfaces smooth, square and free from cutting marks, shear distortion, burrs and nicks. Tolerances shall be as specified in AISC code unless more stringent requirements are indicated on the drawings. Perform thermal cutting by machine, to greatest extent possible. Plain thermally cut edges which are to be welded.
15. Comply with requirements of AWS code for welding procedures and quality of welds, including appearance. For built-up sections, assemble components and weld using procedures which will maintain proper alignment of finished section. Verify that weld sizes, fabrication sequence and equipment to be employed will limit distortions to allowable tolerances. Surface bleed of backside welding on exposed surfaces will not be acceptable. Grind smooth exposed fillet welds 1/2 inch and larger. Grind flush all butt welds. Dress all exposed welds.
16. Accurately mill ends of columns and other members which must transmit loads in bearing. Make all holes in steel members by means of cutting, drilling or punching at right angles to surface of metal. Do not make or enlarge holes by burning. Provide holes in steel members as required to permit connection of work by others.
17. Examine areas and conditions for erection of structural steel and verify that work may properly proceed. Provide temporary support as required including guys, braces, falsework, cribbing or other elements required to secure steel framing against loads equal in intensity to design loads. Remove such temporary support only when permanent connections have been made and steel framing is fully capable of supporting design loads, including any temporary construction loads.
18. Erect structural steel in compliance with AISC code and specifications dealing with architecturally exposed structural steel. Set structural members accurately to locations and elevations indicated, within tolerances established in AISC code, before making final connections. Do not use thermal cutting to correct fabrication errors on any major structural member.
19. Clean bearing and contact surfaces before assembly. Slightly roughen concrete and masonry surfaces to improve bond. Set base and bearing plates accurately, using metal wedges, shims or setting nuts as required.
20. After tightening anchor bolts and ensuring that structure is plumb. Grout solidly between plates and bearing surfaces. Comply with manufacturer's instructions for non-shrink grout.
21. Use high-strength bolts which comply with requirements of AISC "Specification for Structural Joints Using ASTM A 325 or A 490 Bolts."
22. Do not perform welding when ambient temperature is below manufacturers recommendations, or when surfaces are wet, exposed to rain, high wind. Perform field welding in accordance with AWS "Structural Welding-Steel." Tighten and leave in place erection bolts used in field-welded construction. Verify that weld sizes, erection sequence and equipment to be employed will limit distortions to allowable tolerances.

Handwritten signature and date:
 9-14-16

No.	DATE	REVISIONS	DES: DC			DREW PARK GATEWAY FEATURES	W.O.	
3			DRN: JG				SHEET	
2			CKD: DC				NOTES	2
1			DATE: 2016-05-05					

GRAPHICS:

1. Contractor shall submit shop drawings indicating proposed graphics for fonts used in lettering and fabrication and attachments for propeller. Do not proceed with fabrication of graphic elements before receiving approval by the City of Tampa Representative.
2. All products used in the fabrication, joining, finishing or other procedures necessary in the execution of the work shall be used according to the manufacturer's instructions for the use of such products.
3. Samples shall be provided for all finish materials to be used in the fabrication of the project. Samples shall be approved during shop drawing phase by City of Tampa Representative and used later for comparison in the field.
4. Shop fabricate, assemble and finish to maximum degree possible. Contractor will adhere to all details and dimensions on drawings without deviation. Cut, fit and assemble units with exposed surfaces smooth, square and free from cutting marks, shear distortion, burrs, nicks and sharp corners.
5. Except as where indicated in the documents, there shall be no visible seams or fasteners. All joints and connections shall be finished flush, true and smooth without defects. Finish welds on exposed surfaces, and spot welds shall be imperceptible in the finished work. No gaps, light leaks, oil-canning or waviness will be acceptable.
6. Except where indicated otherwise, finish all surfaces smooth.
7. All flat metal sign facing and cladding to be aluminum unless otherwise indicated, and shall be free from pitting, warping, waviness, bulges, Oil-canning or other physical deformities. Minimum material thickness shall be .125 inches or as indicated in drawings. Internal support structure shall be rustproof treated steel or aluminum, as indicated. Where steel and aluminum (dissimilar metals) meet, the metals shall be materially isolated to prevent electrolytic reaction.
8. Letterforms, logos, patterns and other graphics shall be cut/applied true to artwork/typeface and have clean edges and corners. Letterforms having rounded positive or negative corners, nicked, cut or ragged edges will not be acceptable. Letterforms shall be aligned to maintain a baseline parallel to the sign format and margins shall be maintained as per the design documents.
9. Installation of the elements shall be the responsibility of the Contractor. Contractor will be responsible for any damage caused to site, or adjacent objects or elements during installation. Contractor shall be responsible for cleaning up all work areas upon the completion of their work, on a daily basis.

PAINT & FINISHES:

1. All metal surfaces to be painted with acrylic linear polyurethane enamel as manufactured by Matthews Paint Company or equal, to match colors as specified. Two components, acrylic aliphatic isocyanate/acrylic polyurethane are formulated with ultraviolet (UV) inhibitors and are engineered for exterior graphics and sign age components.
2. All steel and aluminum surfaces shall be properly treated and primed as required, using Matthews or equal pretreatment, primer and finish paint system must be approved by the City of Tampa Representative prior to application. All paint finishes shall be guaranteed free from chalking, cracking, discoloration, fading or any other defect for a period of five (5) years. Contractor shall be responsible for protecting the finish during and after installation, prior to opening of project.

INSPECTIONS:

23. Special Inspections shall be performed in accordance with the applicable local building codes by a registered building inspector approved by the City of Tampa and the Building Department. Inspection or per "permit" requirements shall be required for the following types of work:
 - a. Placement of compact fill.
 - b. Foundation work.
 - c. Rebar placement and all concrete construction
 - d. Structural steel field welding including partial and full penetration welds.
 - e. High strength bolting.
 - f. Installation of expansion type bolts.
 - g. All critical attachment points requiring anchors or fasteners.


WORKING HOURS:

24. All on site working schedules must be submitted to the City of Tampa Representative in writing for approval prior to beginning the installation work.


TIME & SCHEDULE:

25. Contractor shall submit a detailed working schedule. This detailed schedule shall show all time lines indicating the start and completion dates of shop drawing, submittals, permits, fabrication, shipping and installation. Contract time schedule must be submitted with the signed contract documents to the City of Tampa.

Handwritten signature and date: 9.14.16

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3			CKD: DC			NOTES	3
2			DATE: 2016-05-05				
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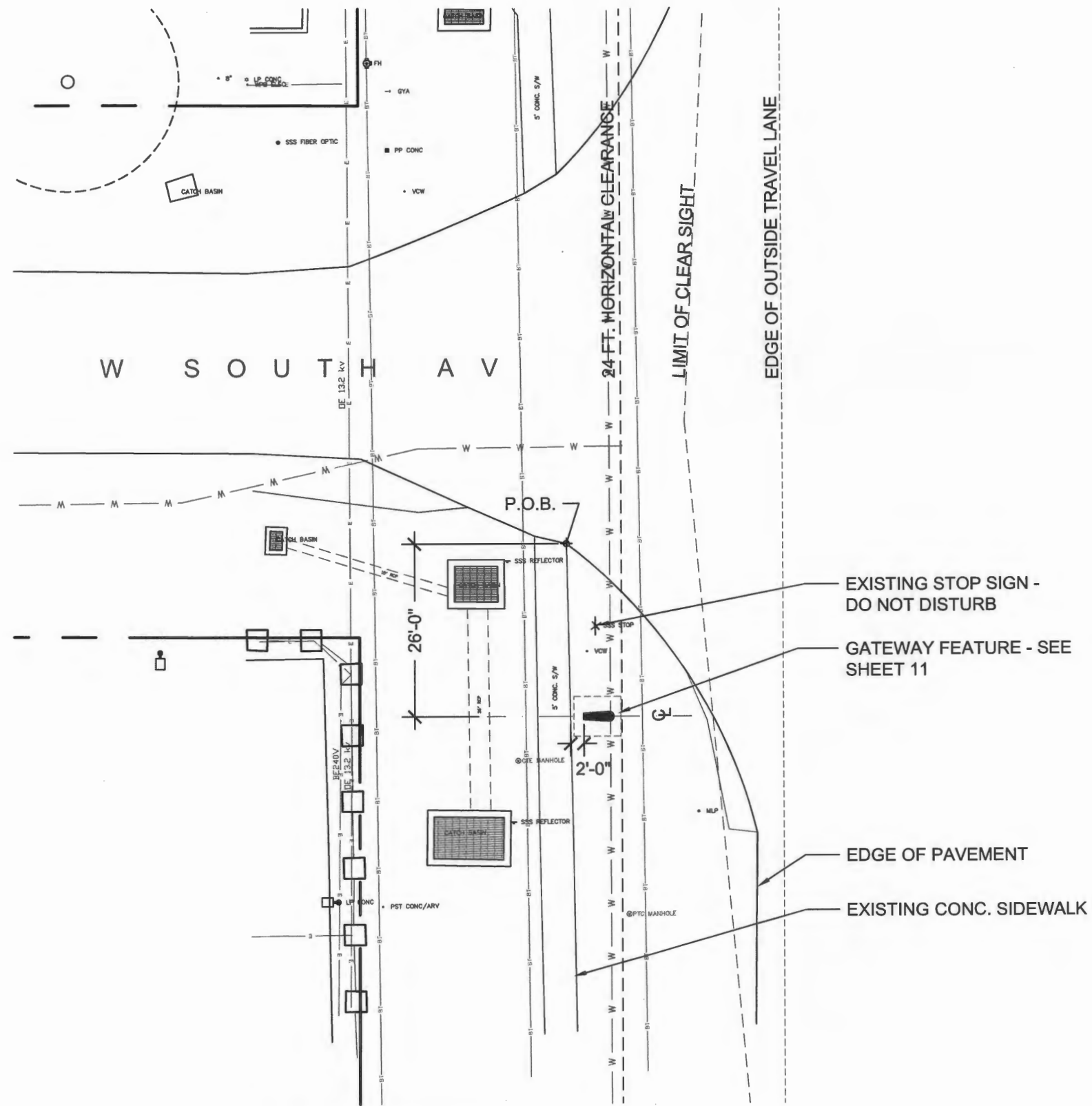




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3			DRN: JG			OVERALL LOCATION PLAN		SHEET
2			CKD: DC					4
1			DATE: 2016-05-05					



NORTH DALE MABRY HIGHWAY

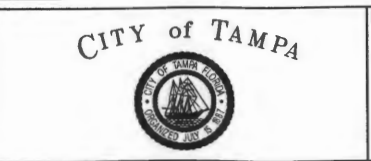
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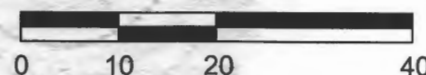
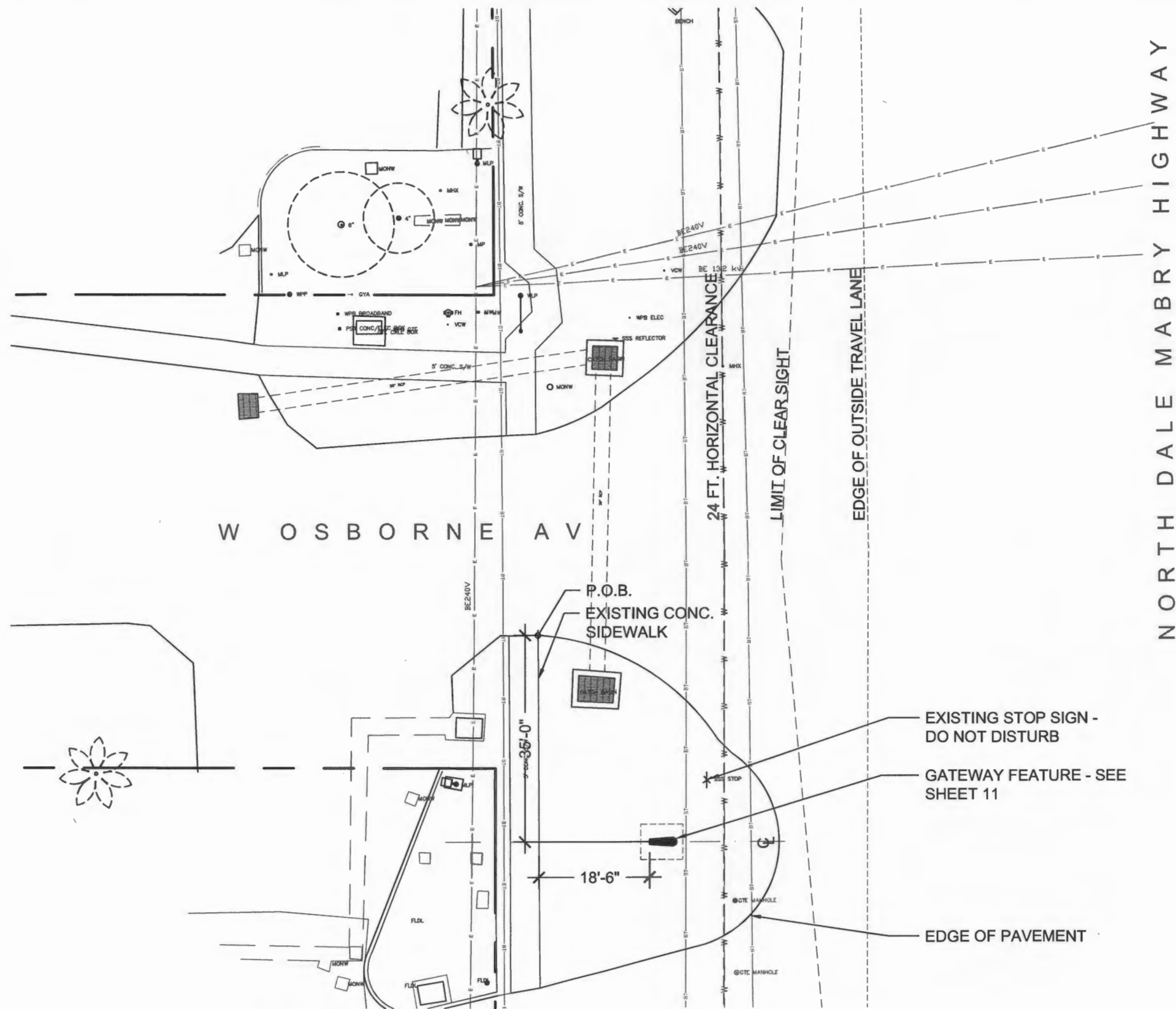


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DREW PARK GATEWAY FEATURES

WEST SOUTH AVENUE PLAN

W.O.
 SHEET
5

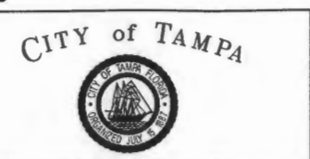


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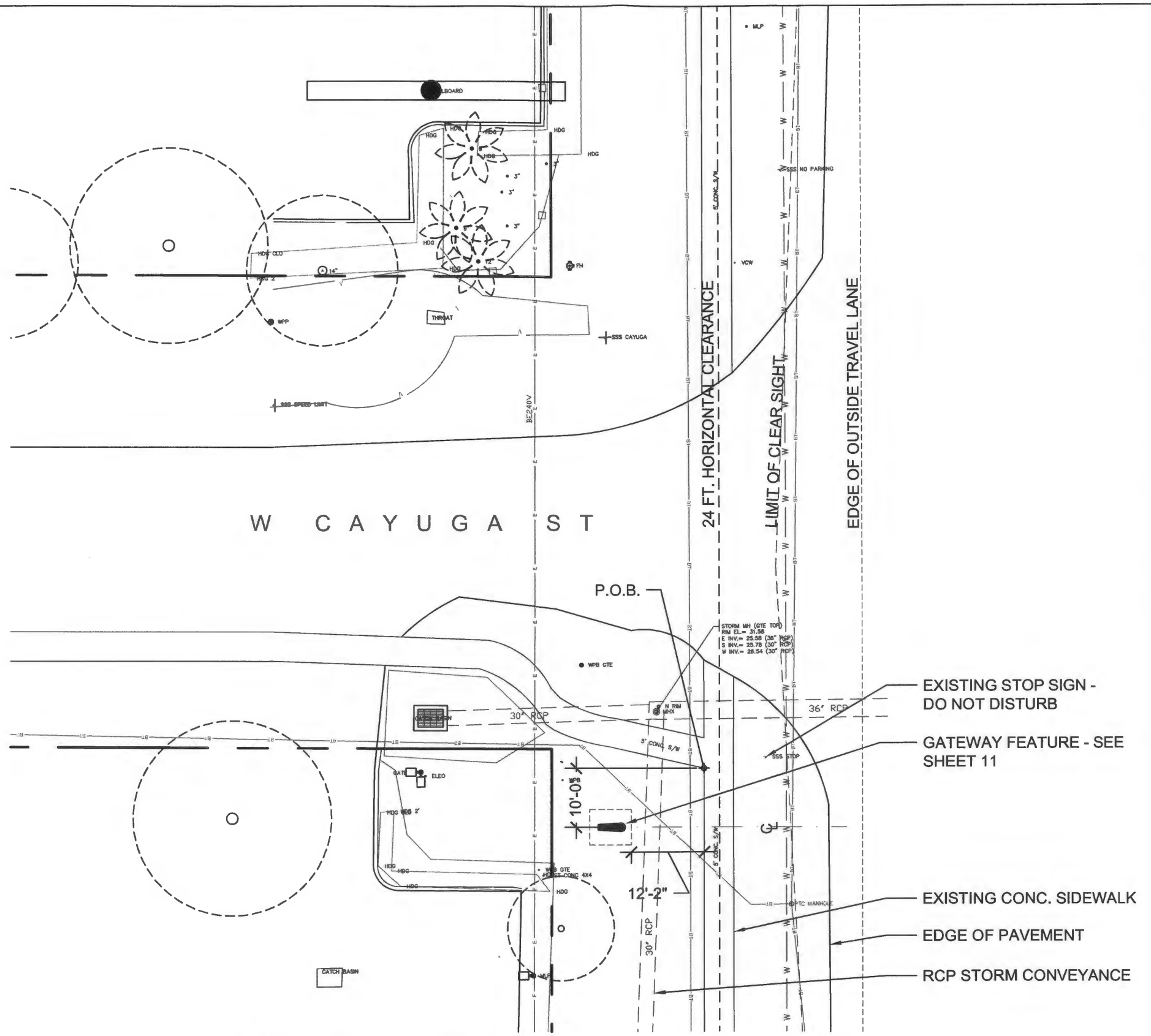
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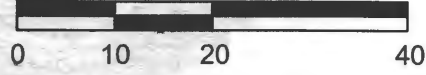
WEST OSBORNE AVENUE PLAN

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6

NORTH DALE MABRY HIGHWAY



Paul
9-14-16

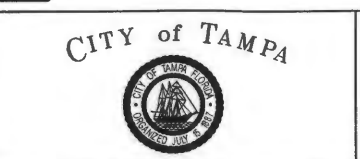


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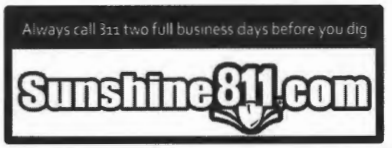
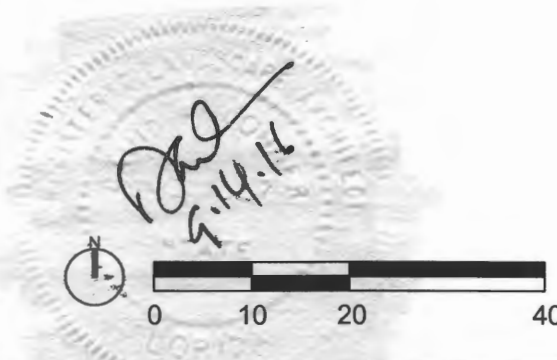
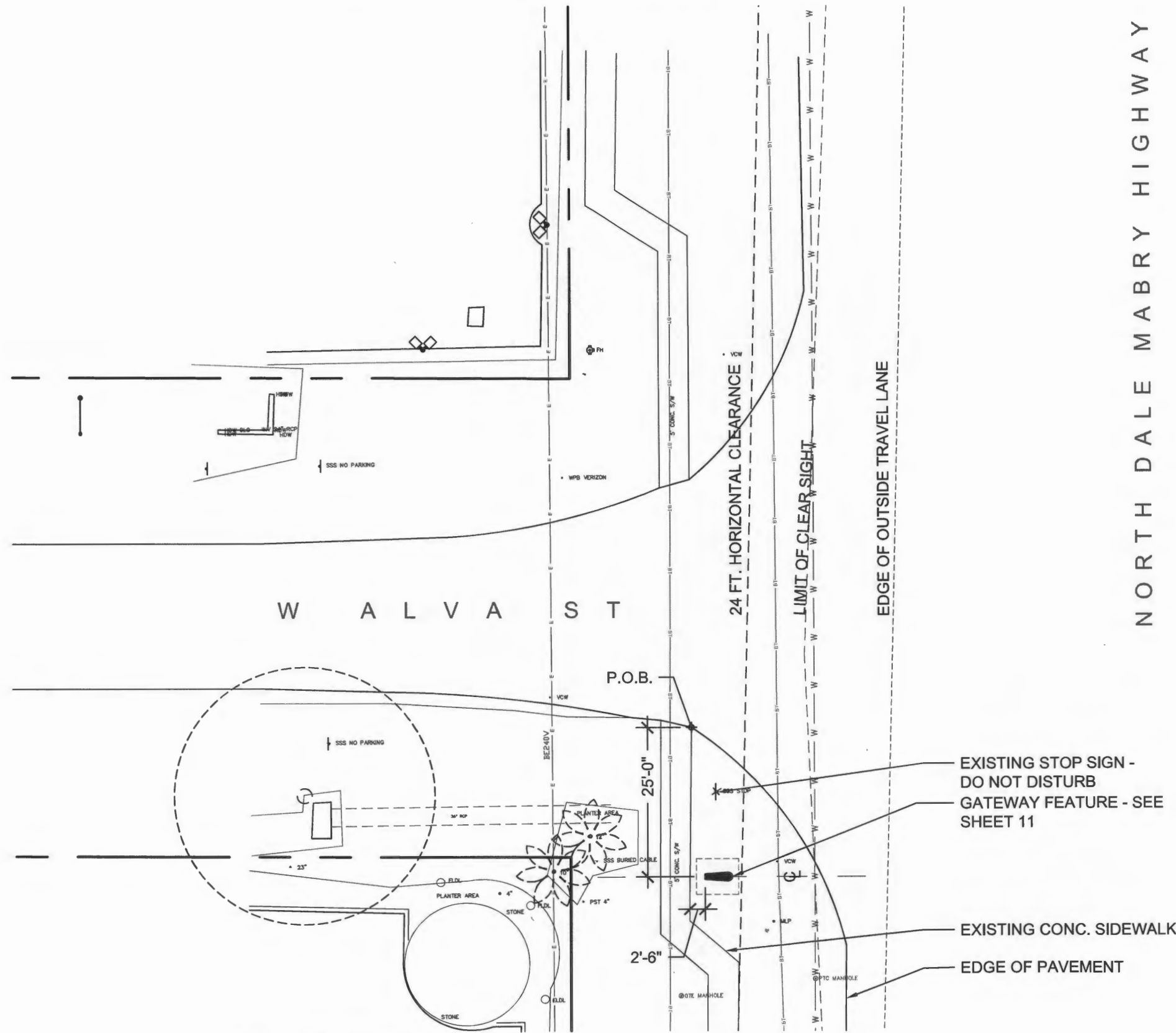
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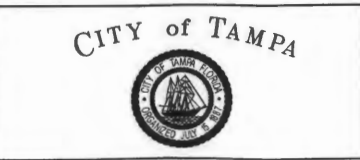
DREW PARK GATEWAY FEATURES
WEST CAYUGA STREET PLAN

W.O. SHEET **7**



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DREW PARK GATEWAY FEATURES
WEST ALVA STREET PLAN

W.O.
 SHEET
8

DESIGN CRITERIA NOTES:

1. THE INTENDED DESIGN STANDARDS AND/OR CRITERIA ARE AS FOLLOWS:

GENERAL	FLORIDA BUILDING CODE-2014
CONCRETE	ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE ACI 301-10 SPECIFICATIONS FOR STRUCTURAL CONCRETE
STRUCTURAL STEEL	ANSI/AISC 360-10 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS

DESIGN WIND CRITERIA:

1. DESIGN WIND LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE BASED ON THE 2010 FLORIDA BUILDING CODE:
WIND SPEED $V_{(ult)}$ = 135 MPH (ULTIMATE)
 $V_{(asd)}$ = 105 MPH (NOMINAL)
RISK CATEGORY I
EXPOSURE-C

DESIGN GEOTECHNICAL CRITERIA:

1. DESIGN SOIL LOAD BEARING CAPACITY = 2,000 PSF (ASSUMED)

FOUNDATION NOTES:

1. THE MONUMENT FOOTING AREA SHALL BE PREPARED AND TESTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A SOILS ENGINEER.
2. THE CONTRACTOR IS TO NOTIFY THE ARCHITECT/ENGINEER IF SOIL CONDITIONS ARE UNCOVERED THAT PREVENT THE REQUIRED SOIL BEARING PRESSURE FROM BEING OBTAINED.
3. HORIZONTAL CONSTRUCTION JOINTS IN FOOTINGS WILL NOT BE PERMITTED. WHERE VERTICAL CONSTRUCTION JOINTS OCCUR IN CONTINUOUS FOOTINGS, PROVIDE A CONTINUOUS 2" X 4" KEYWAY.
4. ALL FOOTINGS SHALL BEAR ON UNDISTURBED, FIRM NATURAL SOIL OR COMPACTED FILL. ALL FOUNDATION EXCAVATIONS SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY PRIOR TO POURING FOUNDATION CONCRETE.
5. TOP OF FOOTING ELEVATION SHALL BE AS SHOWN ON PLANS AND SECTIONS. ON SLOPING SITES THESE ELEVATIONS SHOULD BE LOWERED AS REQUIRED TO MAINTAIN THE TOP OF THE FOOTING AT A MINIMUM OF 8" BELOW FINAL GRADE.
6. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS". HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.
7. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60.
8. UNLESS OTHERWISE NOTED, THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR FOUNDATION REINFORCEMENT.
A) CONCRETE CAST AGAINST EARTH-4"
9. ALL REINFORCING SHALL BE LAPPED 48 X BAR DIAMETERS AT SPLICES AND CORNERS UNLESS OTHERWISE NOTED.
10. PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH NEW AND EXISTING UTILITIES. FOUNDATIONS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES.

GENERAL STRUCTURAL NOTES:

1. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, INSERTS, ANCHORS, HOLES AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON NOR ISSUE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.
3. THE STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHODS OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. LOADING APPLIED TO THE STRUCTURE DURING THE PROCESS OF CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBERS. THE LIVE LOADING USED IN THE DESIGN OF THIS STRUCTURE ARE INDICATED IN THE "DESIGN CRITERIA NOTES". DO NOT APPLY ANY CONSTRUCTION LOADS UNTIL STRUCTURAL FRAMING IS PROPERLY CONNECTED TOGETHER AND UNTIL ALL TEMPORARY BRACING IS IN PLACE.
6. SHOP DRAWINGS AND OTHER ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. ALL SHOP DRAWINGS SHALL BE REVIEWED AND SIGNED BY THE GENERAL CONTRACTOR BEFORE SUBMITTAL. THE ENGINEER'S REVIEW IS TO BE FOR CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE RELEVANT CONTRACT DOCUMENTS. THE ENGINEER'S REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW, CHECK AND COORDINATE THE SHOP DRAWINGS PRIOR TO SUBMISSION. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, QUANTITIES, DIMENSIONS, ETC.
7. SUBMIT NO MORE THAN 4 SETS OF SHOP DRAWINGS FOR REVIEW. THE CONTRACTOR WILL MAKE COPIES IF ADDITIONAL SETS ARE REQUIRED. IN NO CASE SHALL REPRODUCTION OF THE CONTRACT DRAWINGS BE USED AS SHOP DRAWINGS. SUBMIT THE FOLLOWING ITEMS FOR REVIEW:
 - A. CONCRETE MIX DESIGNS.
 - B. REINFORCING STEEL SHOP DRAWINGS.
 - C. PRE-ENGINEERED MONUMENT SIGN (* SEE NOTES)

ITEMS MARKED (*) SHALL HAVE SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER.
8. DELEGATED/SPECIALTY ENGINEER: THE FOLLOWING ITEMS SHALL BE DESIGNED BY A SPECIALTY ENGINEER.
 - A. MONUMENT SIGN

SUBMIT SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER

CAST-IN-PLACE CONCRETE NOTES:

1. CONCRETE MIXES SHALL BE DESIGNED PER ACI 301, USING PORTLAND CEMENT CONFORMING TO ASTM C-150, AGGREGATE CONFORMING TO ASTM C-33, AND ADMIXTURES CONFORMING TO ASTM C-494, C-1017, C-618, C-989 AND C-260. CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH ASTM C-94.
2. CONCRETE SHALL CONFORM TO THE FOLLOWING COMPRESSIVE STRENGTH, SLUMP AND WATER/CEMENT RATIO REQUIREMENTS:

TYPE	MIN. f'c (28 DAYS)	SLUMP	AGG SIZE
FOOTINGS	3500 PSI	3" TO 5"	#57
PEDESTAL	3500PSI	3" TO 5"	#57

MAXIMUM W/C RATIO IS .50

AT CONTRACTOR'S OPTION, AN APPROVED ADMIXTURE (SUPER PLASTICIZER) MAY BE USED TO PRODUCE FLOWABLE CONCRETE. MAXIMUM SLUMP SHALL NOT EXCEED 8 INCHES. THE CONTRACTOR SHALL SUBMIT TEST RESULTS OF THE PROPOSED CONCRETE MIXES ALONG WITH THE MANUFACTURER'S TECHNICAL DATA FOR APPROVAL PRIOR TO POURING CONCRETE.
3. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS". HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.
4. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. ALL WELDING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH AWS D1.4.
5. ALL REINFORCING STEEL SHALL BE SET AND TIED IN PLACE PRIOR TO POURING OF CONCRETE.
7. REINFORCING STEEL, INCLUDING HOOKS AND BENDS, SHALL BE DETAILED IN ACCORDANCE WITH ACI 315. ALL REINFORCING STEEL INDICATED AS BEING CONTINUOUS (CONT) SHALL BE LAPPED 48 X BAR DIAMETER. LAP CONTINUOUS BOTTOM BARS OVER SUPPORTS, LAP CONTINUOUS TOP BARS AT MID-SPAN UNLESS OTHERWISE NOTED.
8. UNLESS OTHERWISE NOTED, THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
 - A) CONCRETE EXPOSED TO WEATHER: #5 BAR, & SMALLER - 2"
 - B) FOUNDATIONS CAST AGAINST EARTH - 4"
9. BAR SUPPORTS AND HOLDING BARS SHALL BE PROVIDED FOR ALL REINFORCING STEEL TO ENSURE MINIMUM CONCRETE COVER. BAR SUPPORTS SHALL BE PLASTIC TIPPED OR STAINLESS STEEL.
10. ALL EDGES OF PERMANENTLY EXPOSED CONCRETE SURFACES SHALL BE CHAMFERED 3/4" UNLESS OTHERWISE NOTED.

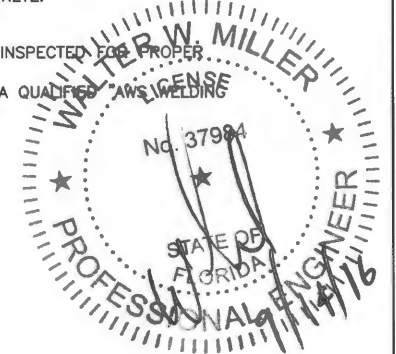
STRUCTURAL STEEL NOTES:

1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE "MANUAL OF STEEL CONSTRUCTION" OF THE AISC.
2. UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING ASTM SPECIFICATIONS:

MEMBER	ASTM	MIN. STRENGTH
STRUCTURAL STEEL SHAPES	A992	50KSI
CHANNELS, ANGLES, PLATES	A36	36KSI
STRUCTURAL TUBING HSS	A500 (GRADE B)	46KSI
STEEL PIPE	A53 (GRADE B)	35KSI
CONNECTION BOLTS	A325	92KSI
ANCHOR BOLTS	A307	
THREADED RODS	A36	36KSI
STAINLESS STEEL	F 593	AI SI 316
NONSHRINK GROUT	C1107	8000PSI
3. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED, PROVIDE CONT. MIN. SIZED FILLET WELDS PER AISC REQUIREMENTS. ALL FILLER MATERIAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 58 KSI. ALL WELDING SHALL BE DONE BY A CURRENTLY CERTIFIED WELDER IN ACCORDANCE WITH "AWS".
5. HOLES IN STEEL FOR OTHER TRADES SHALL BE DRILLED OR PUNCHED AND DETAILED ON THE SHOP DRAWINGS. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.
6. U.O.N. ALL STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH ONE COAT OF TYPE I, RED OXIDE PRIMER PAINT, SEE SPECIFICATIONS. IF APPLICABLE, VERIFY THAT PRIMER COATINGS ARE COMPATIBLE WITH SPRAYED ON FIRE PROOFING.
7. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC., HAVE BEEN DESIGNED FOR THE FINAL COMPLETED CONDITION AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADING ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC., FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
8. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER, INCLUDING ALL BRICK SHELF ANGLES SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 /A123M.
9. PROTECT COATINGS DAMAGED DURING THE TRANSPORTING, ERECTING AND FIELD WELDING PROCESSES SHALL BE REPAIRED IN THE FIELD TO MATCH THE SHOP APPLIED COATING.

TESTING AND INSPECTION NOTES:

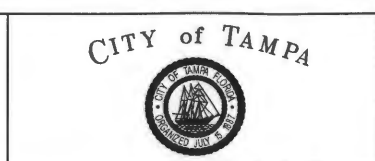
- AN INDEPENDENT TESTING LABORATORY SHALL PERFORM THE FOLLOWING TEST, AS A MINIMUM, UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.
1. GEOTECHNICAL / FOUNDATIONS / SITE:
 - * FOOTINGS: TEST EACH FTG
 2. CONCRETE:
 - * COMPRESSIVE STRENGTH TEST, 1-SET OF CYLINDERS AND SLUMP TEST PER 50CY OF CONCRETE.
 3. STEEL:
 - * BOLTED CONNECTIONS SHALL BE INSPECTED FOR PROPER TENSIONING PER A.I.S.C.
 - * WELDS SHALL BE INSPECTED BY A QUALIFIED "AWS WELDING INSPECTOR"



MILLER STRUCTURAL ENGINEERING
320 W. KENNEDY BLVD
STE 700
TAMPA, FLORIDA 33606
LICENSE: C.A. NO: 7789
LICENSE: P.E. NO: 37984
813-259-9116
WALTER W. MILLER, P.E.

No.	DATE	REVISIONS
3		
2		
1		

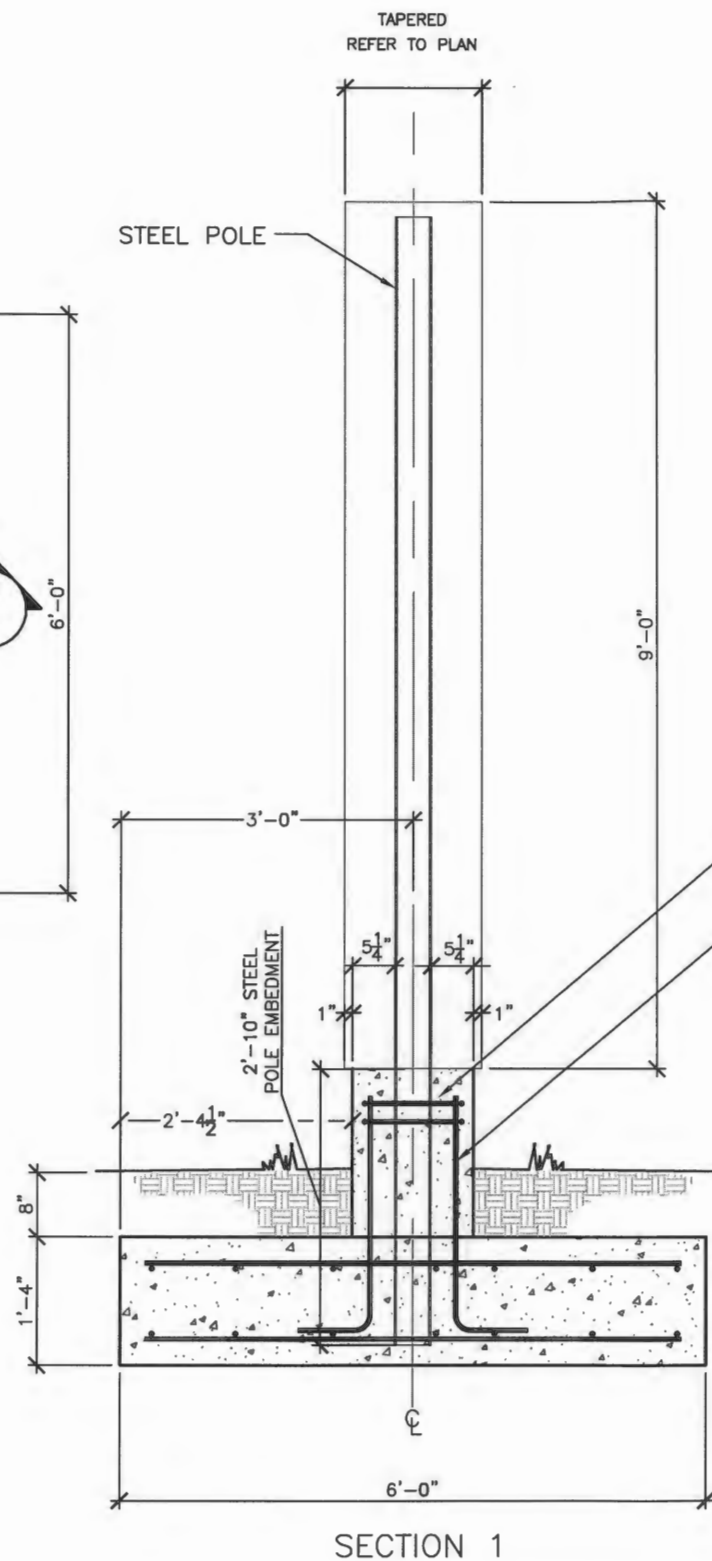
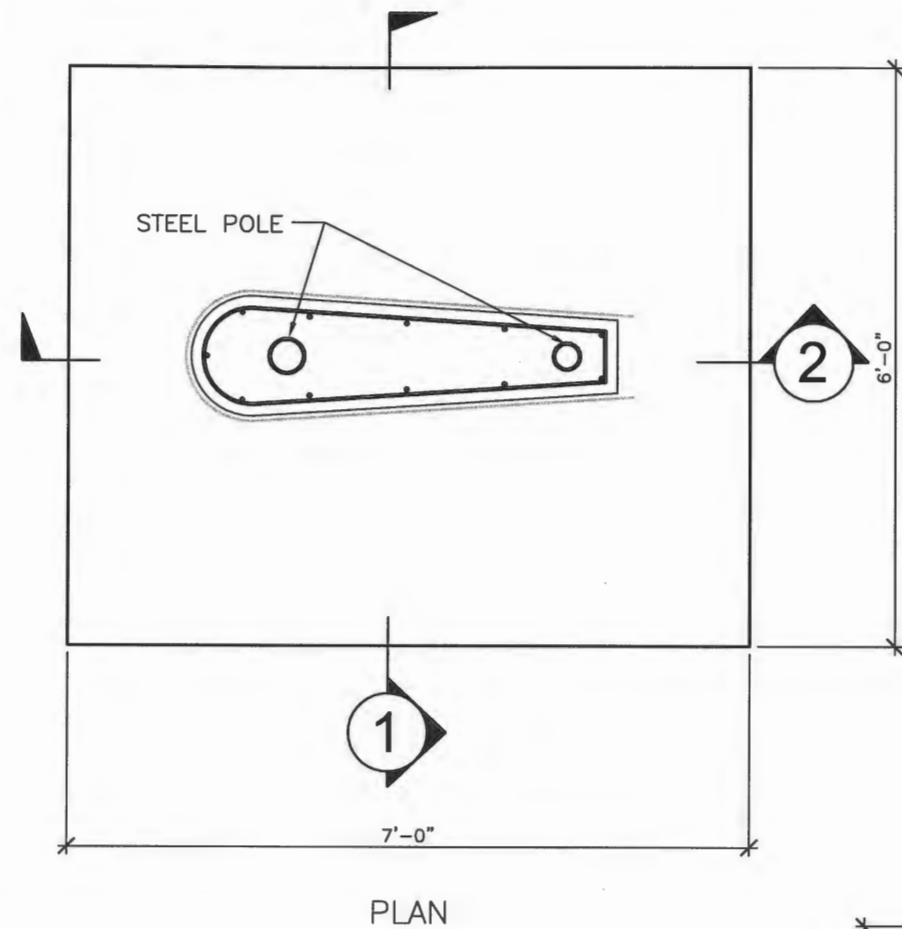
DES: DC
DRN: JG
CKD: DC
DATE: 2016-05-05



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DREW PARK GATEWAY FEATURES
STRUCTURAL NOTES

W.O.
SHEET
9

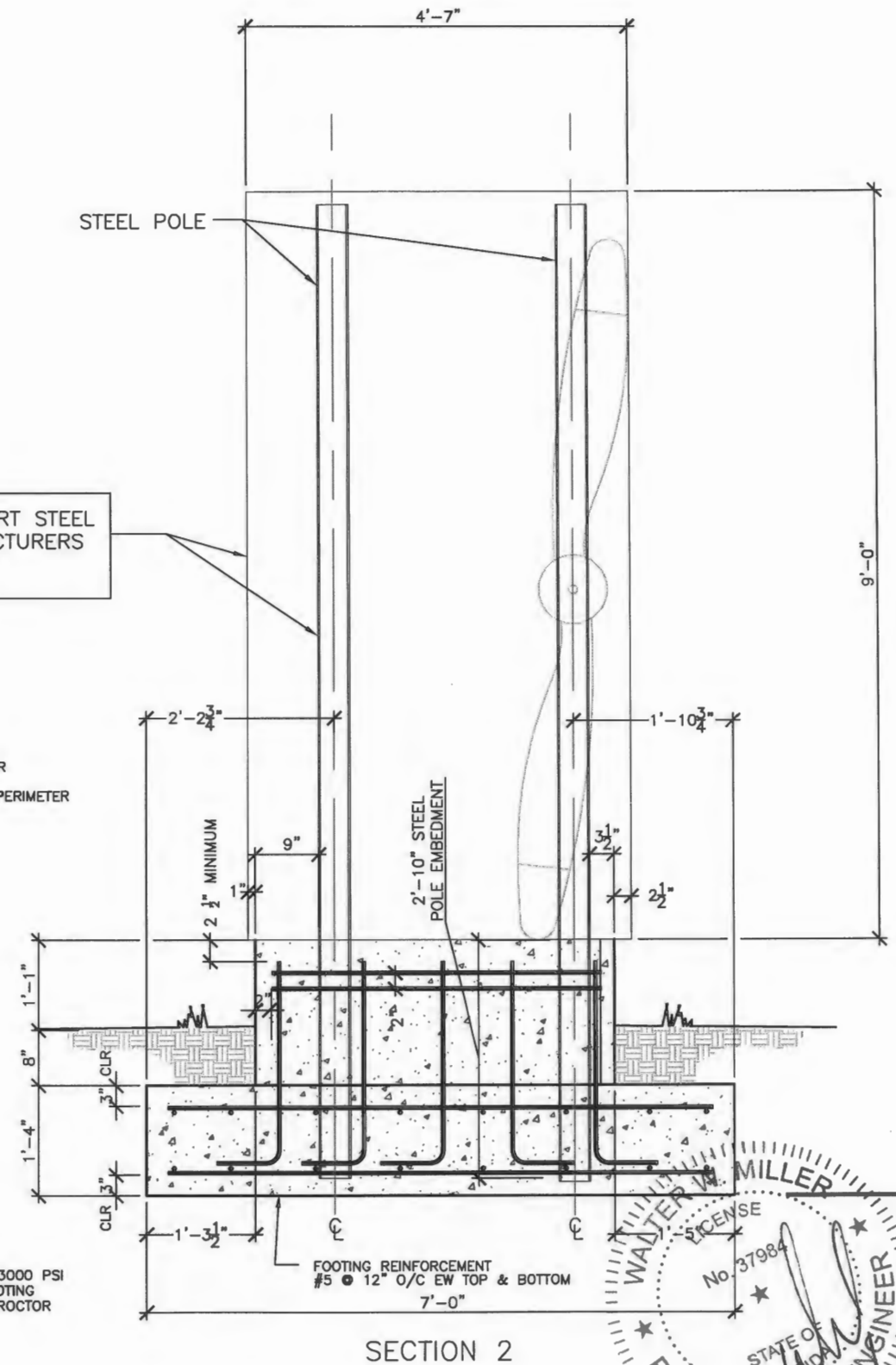


SIGN AND SUPPORT STEEL
BY SIGN MANUFACTURERS
DESIGN ENGINEER

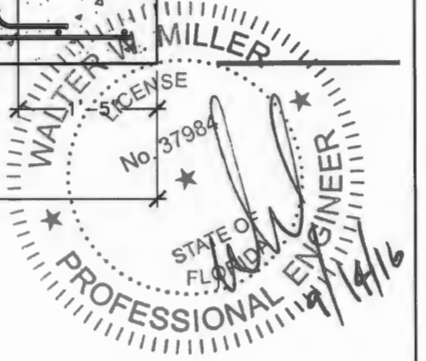
(2) #4 CLOSED STIRRUP -
2 1/2" MIN CONC. COVER
#5'S @ 12" O/C AROUND PERIMETER

EL = (-) 0'-8"
TOP OF FOOTING
8" BELOW FINAL
GRADE MINIMUM

NOTES:
1. FOOTING CONCRETE $f'_c = 3000$ PSI
2. COMPACT SOILS UNDER FOOTING
TO MEET 95% MODIFIED PROCTOR



FOOTING REINFORCEMENT
#5 @ 12" O/C EW TOP & BOTTOM
7'-0"



MILLER STRUCTURAL ENGINEERING
320 W. KENNEDY BLVD
STE 700
TAMPA, FLORIDA 33606
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813-259-9116
WALTER W. MILLER, P.E.

SCALE: 1/2" = 1'-0"

No.	DATE	REVISIONS
3		
2		
1		

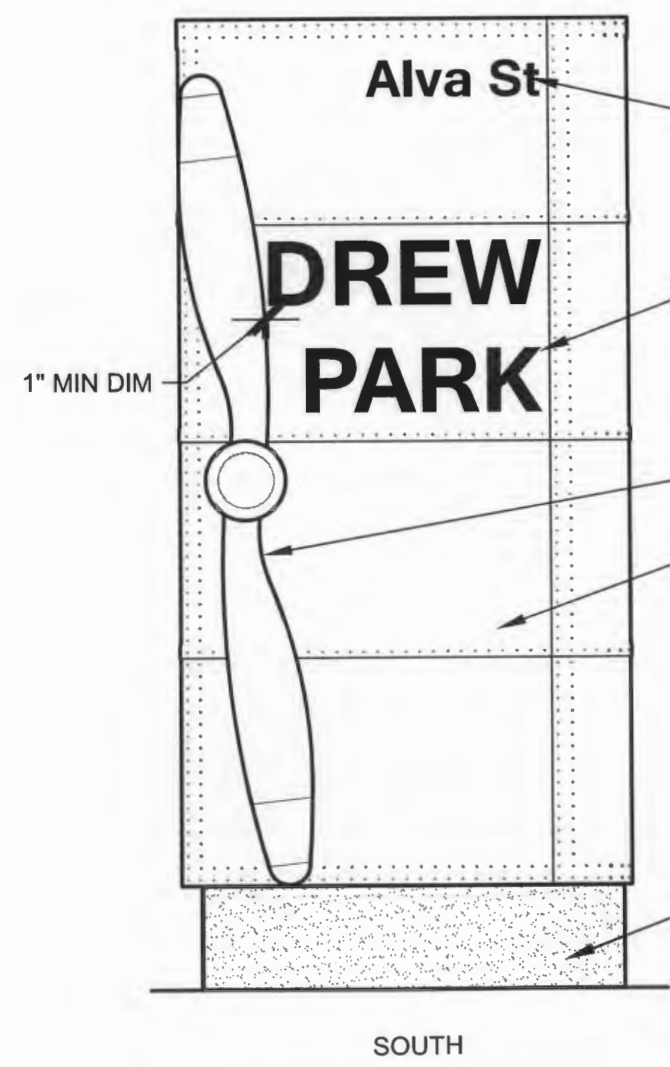
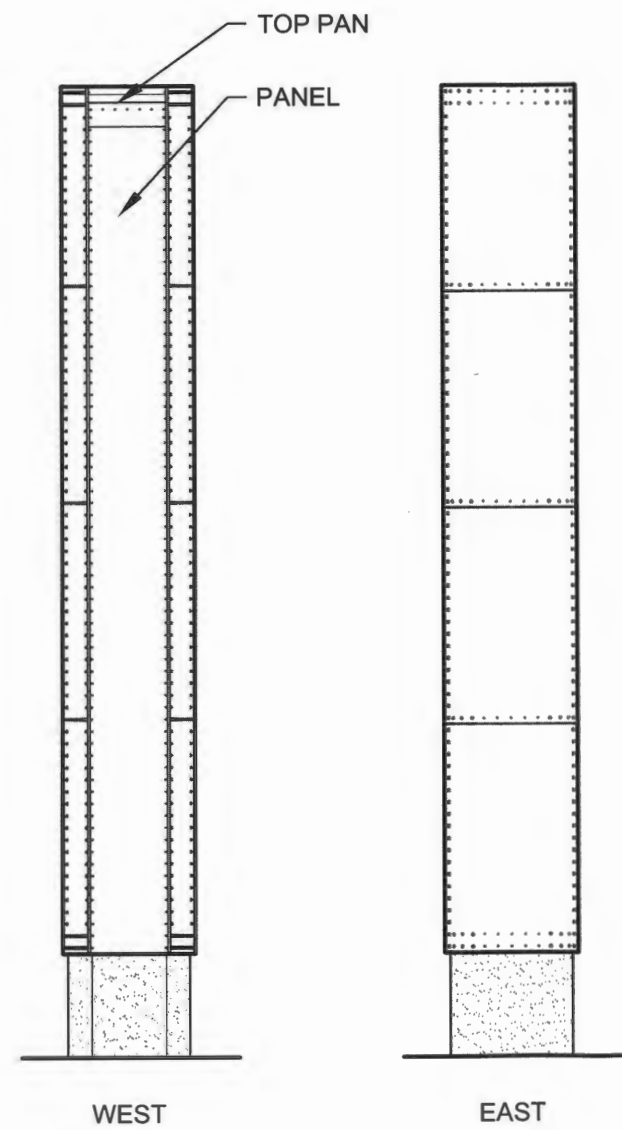
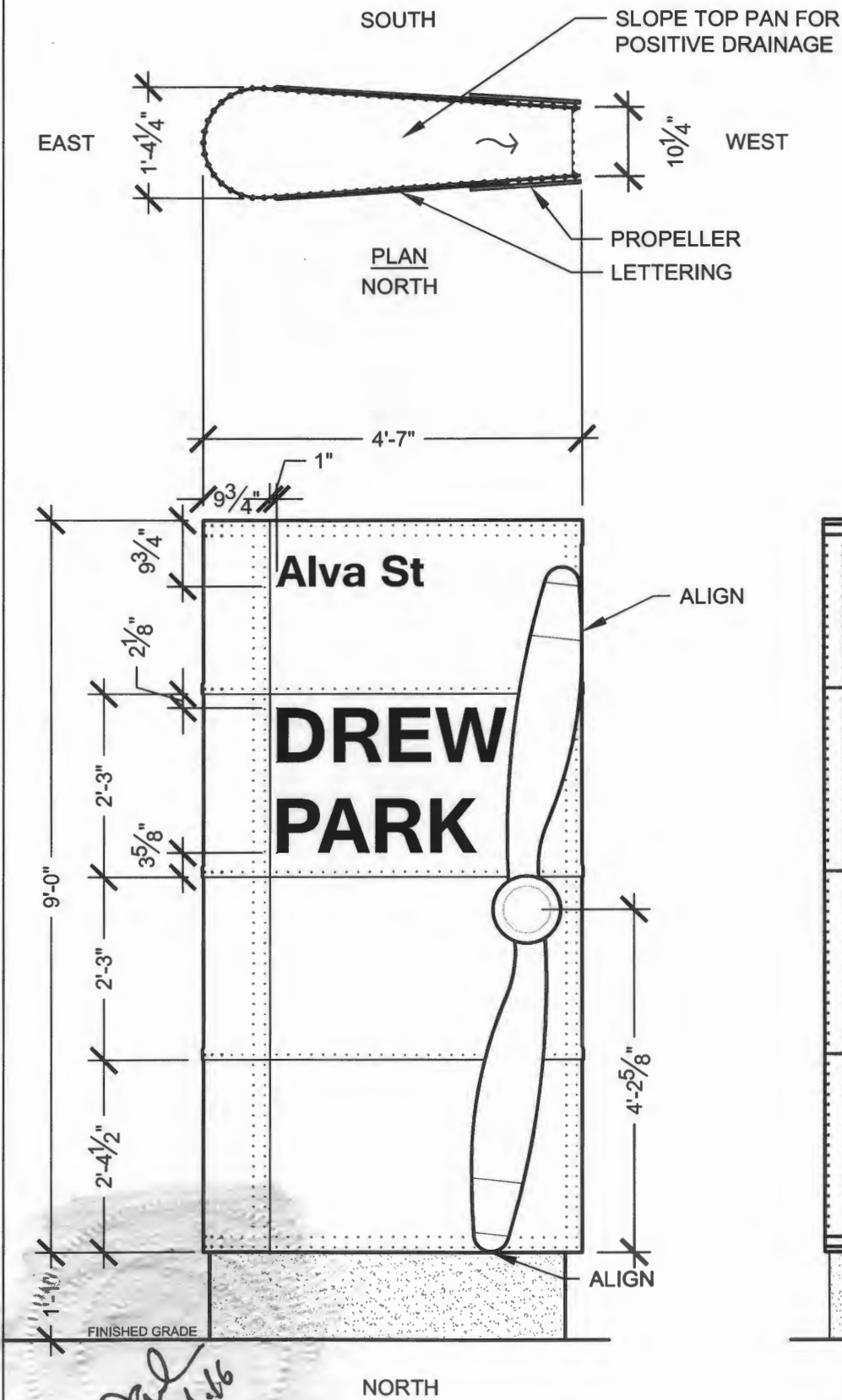
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CKD: DC
DATE: 2016-08-23



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DREW PARK GATEWAY FEATURES
STRUCTURAL DETAILS

W.O.
SHEET
10



RAISED STREET NAME ALUMINUM LETTERING, MOUNTED TO WING. LEFT JUSTIFY ON NORTH ELEVATION, RIGHT JUSTIFY ON SOUTH ELEVATION.

RAISED ALUMINUM LETTERING, MOUNTED TO WING. LEFT JUSTIFY ON NORTH ELEVATION, RIGHT JUSTIFY ON SOUTH ELEVATION.

PROPELLER - SEE DETAIL

ALUMINUM FACE PANEL.

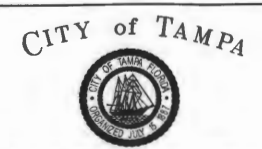
COLOR: SPRING WATER SILVER
 PRODUCT#: PSPB980328 / PSP300001
 CURE: 400F-10 MIN PMT
 RESIN: SUPER POLYESTER
 GLOSS: FULL
 MANUFACTURER: SPRAYLAT CORPORATION
 3333 N. INTERSTATE 35, GAINESVILLE, TX 76240
 940-665-9590

FOOTING - SEE STRUCTURAL

SCALE: 1/2" = 1'-0"

No.	DATE	REVISIONS
3		
2		
1		

DES: DC
 DRN: JG
 CKD: DC
 DATE: 2016-05-05

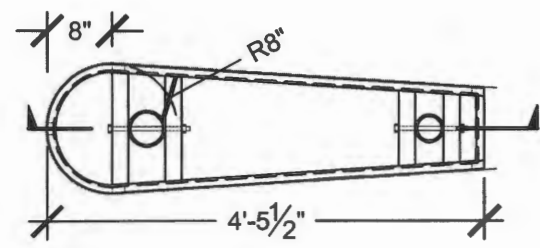


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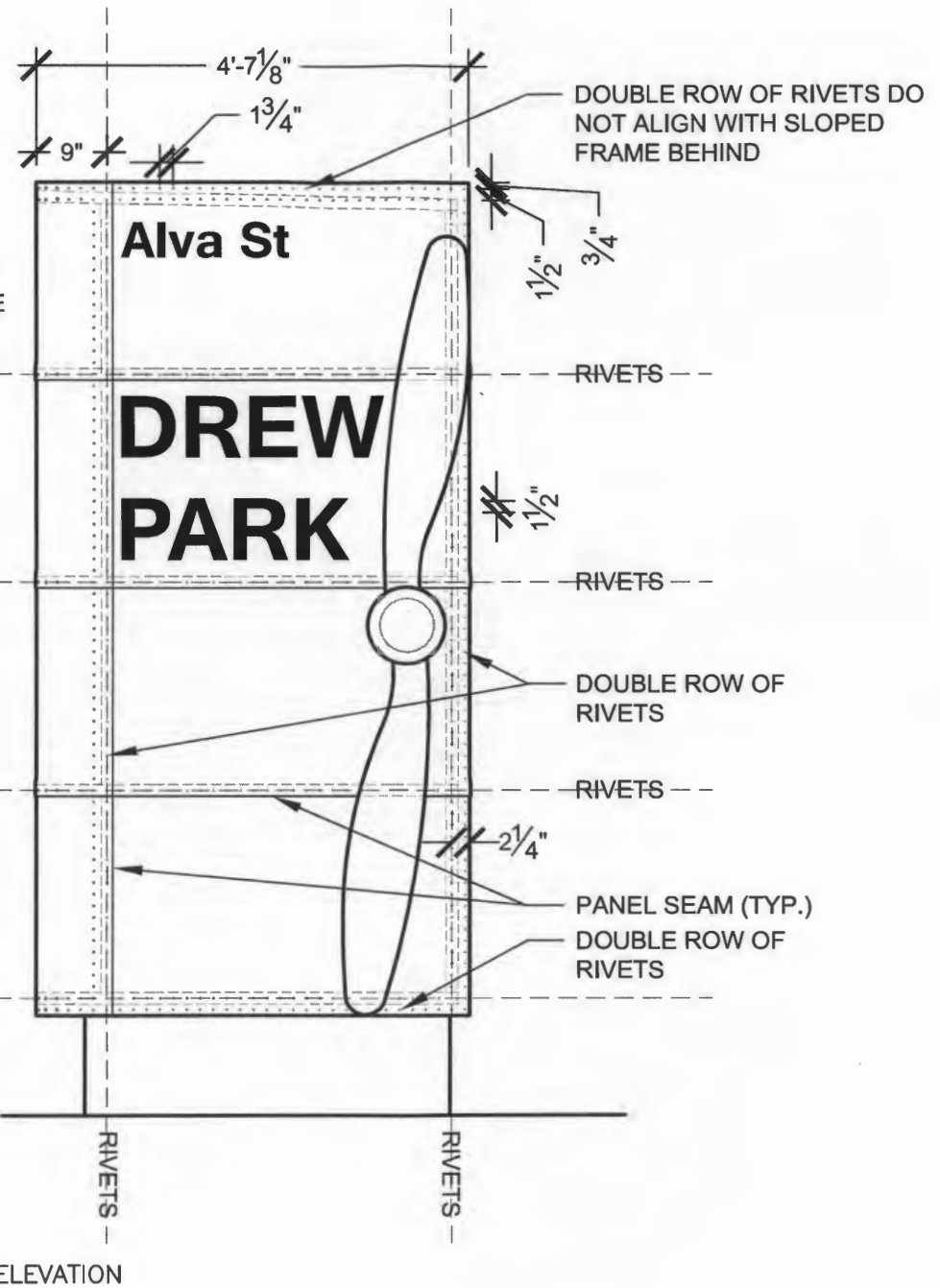
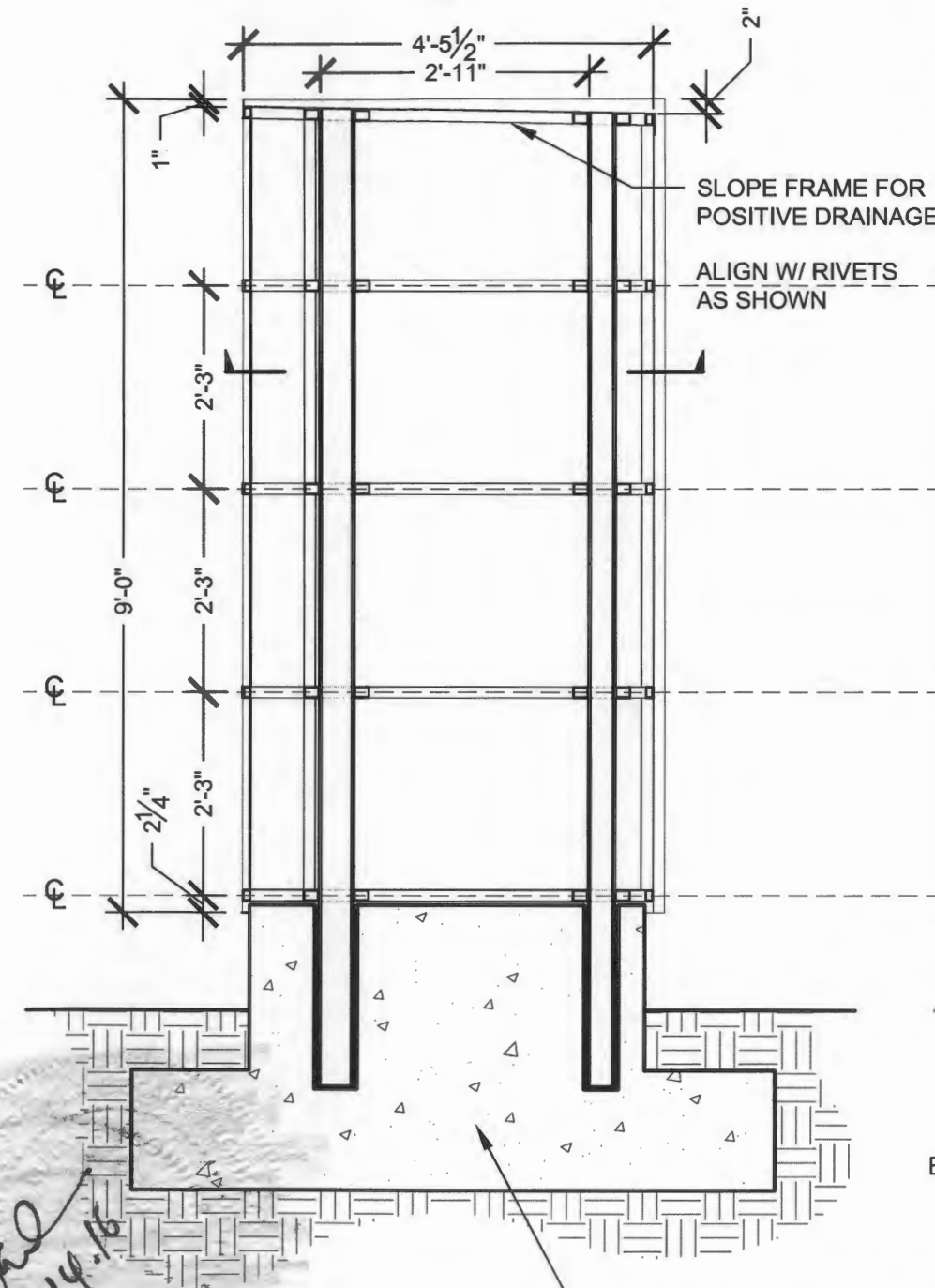
DREW PARK GATEWAY FEATURES
GATEWAY MONUMENT ELEVATIONS

W.O.
 SHEET
11

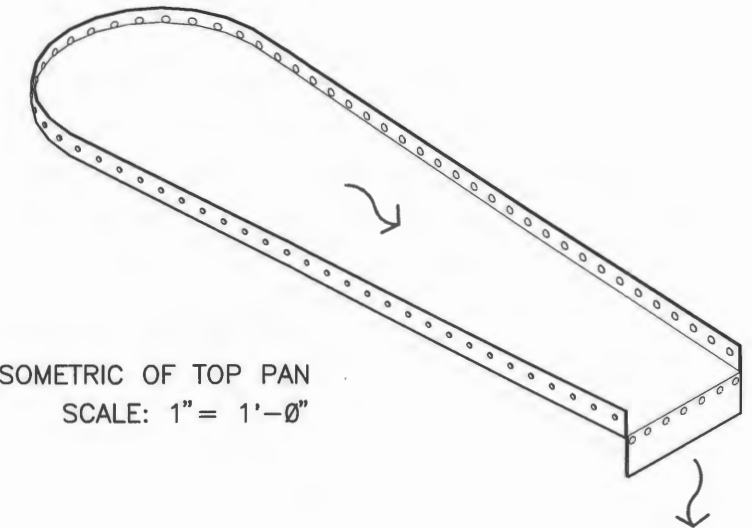
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PLAN SECTION



ELEVATION

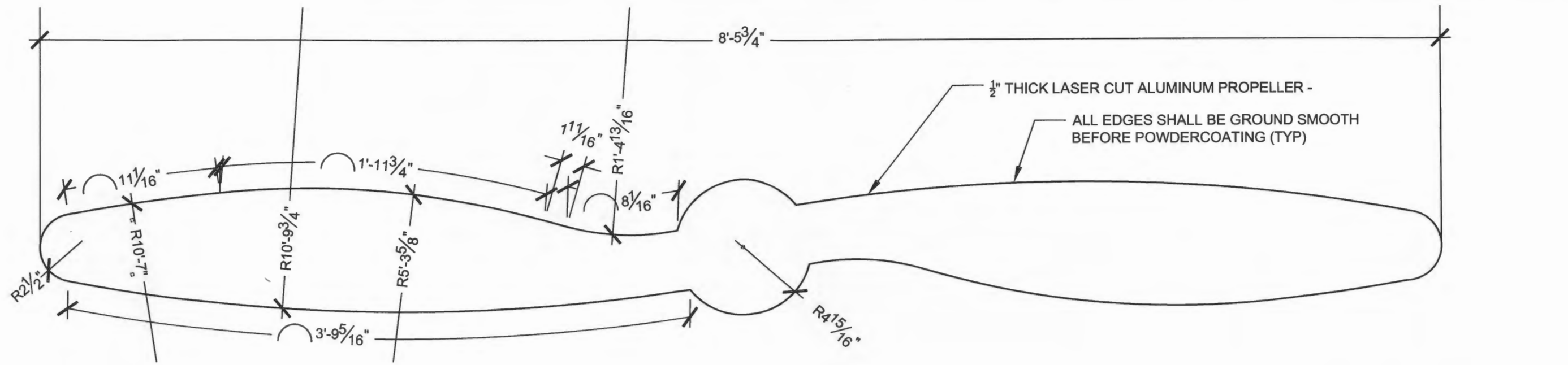


ISOMETRIC OF TOP PAN
SCALE: 1" = 1'-0"

SCALE: 1/2" = 1'-0"

Handwritten: Done 9.14.16

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3			DRN: JG			<p style="text-align: center; font-size: 24pt; font-weight: bold;">FRAME PLAN</p>		W.O.
2			CKD: DC					SHEET
1			DATE: 2016-05-05					12



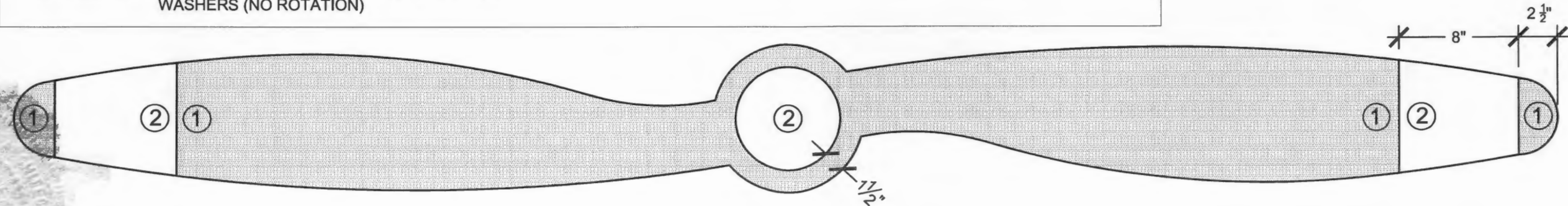
PLAN



DIMENSION PLAN

MATERIAL: 1/4" LASER CUT ALUMINUM
 FINISH: POWDER COAT
 COLOR: ① - SIGNAL BLACK, RAL# 9004, SATIN FINISH
 ② - SIGNAL WHITE, RAL# 9003, SATIN FINISH
 PROVIDE COLOR CHIP FOR APPROVAL BY OWNERS REPRESENTATIVE PRIOR TO FABRICATION
 CONNECTION: FIXED/BOLTED THRU PANEL NUTS AND LOCK WASHERS (NO ROTATION)

NOTE:
 CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. ALL STRUCTURAL DESIGN OF METAL COMPONENTS SHALL BE PROVIDED BY THE FABRICATOR AND SIGNED AND SEALED BY A REGISTERED ENGINEER.



FINISH PLAN

1 1/2" = 1'-0"

No.	DATE	REVISIONS
3		
2		
1		

DES: DC
 DRN: JG
 CKD: DC
 DATE: 2016-05-05



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DREW PARK GATEWAY FEATURES

PROPELLER

W.O.
 SHEET
13

Handwritten signature and date: 9/14/16

NOTE:
 CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL
 PRIOR TO FABRICATION. ALL STRUCTURAL DESIGN OF METAL
 COMPONENTS SHALL BE PROVIDED BY THE FABRICATOR AND
 SIGNED AND SEALED BY A REGISTERED ENGINEER. REFER TO
 SHEET 11 FOR PLACEMENT OF LETTERING ON SIGN.

MATERIAL: 1/4" LASER CUT ALUMINUM

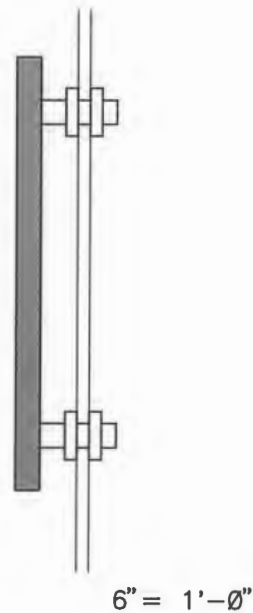
FINISH: POWDER COAT

COLOR: BLACK GREY, RAL# 7021, SATIN FINISH. PROVIDE
 COLOR CHIP FOR APPROVAL BY OWNERS
 REPRESENTATIVE PRIOR TO FABRICATION.

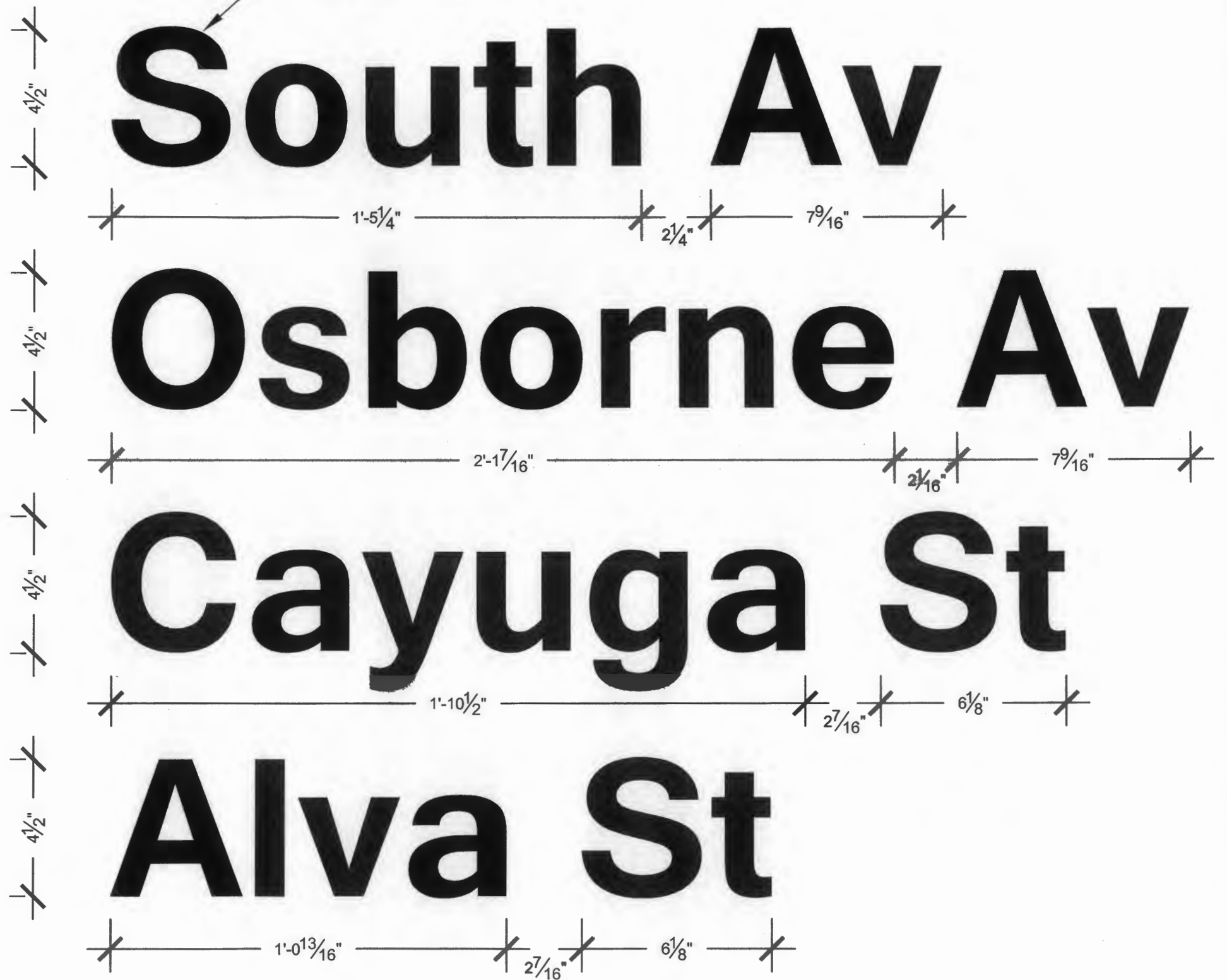
FONT: TUNGA BOLD

CONNECTION: BOLTED THRU PANEL NUTS AND LOCK WASHERS

RETRO REFLECTIVE CLEAR MATTE FINISH FILM WITH A
 REFLECTIVITY RATING OF 35-55 CENDELLA AS APPROVED
 BY THE ENGINEER WILL BE APPLIED TO LETTERING.



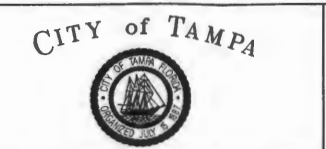
UPPERCASE 1ST LETTERS EACH WORD, ALL
 OTHERS LOWERCASE (TYP)



3" = 1'-0"

No.	DATE	REVISIONS
3		
2		
1		

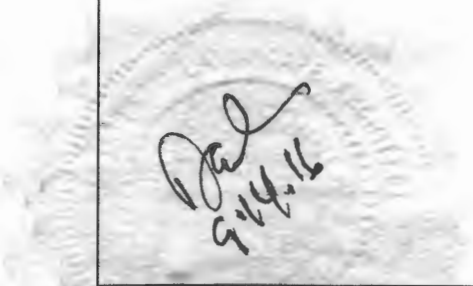
DES: DC
 DRN: JG
 CKD: DC
 DATE: 2016-05-05



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DREW PARK GATEWAY FEATURES
SMALL LETTERING

W.O.
 SHEET
14



NOTE:
 CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL
 PRIOR TO FABRICATION. ALL STRUCTURAL DESIGN OF METAL
 COMPONENTS SHALL BE PROVIDED BY THE FABRICATOR AND
 SIGNED AND SEALED BY A REGISTERED ENGINEER. REFER TO
 SHEET 11 FOR PLACEMENT OF LETTERING ON SIGN.

MATERIAL: 1/4" LASER CUT ALUMINUM

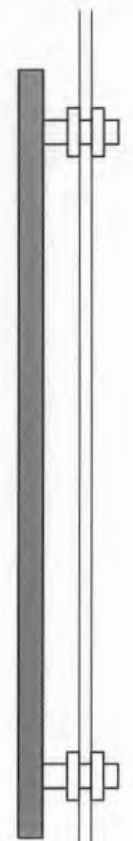
FINISH: POWDER COAT

COLOR: BLACK GREY, RAL# 7021, SATIN FINISH. PROVIDE
 COLOR CHIP FOR APPROVAL BY OWNERS
 REPRESENTATIVE PRIOR TO FABRICATION.

FONT: TUNGA BOLD

CONNECTION: BOLTED THRU PANEL NUTS AND LOCK WASHERS

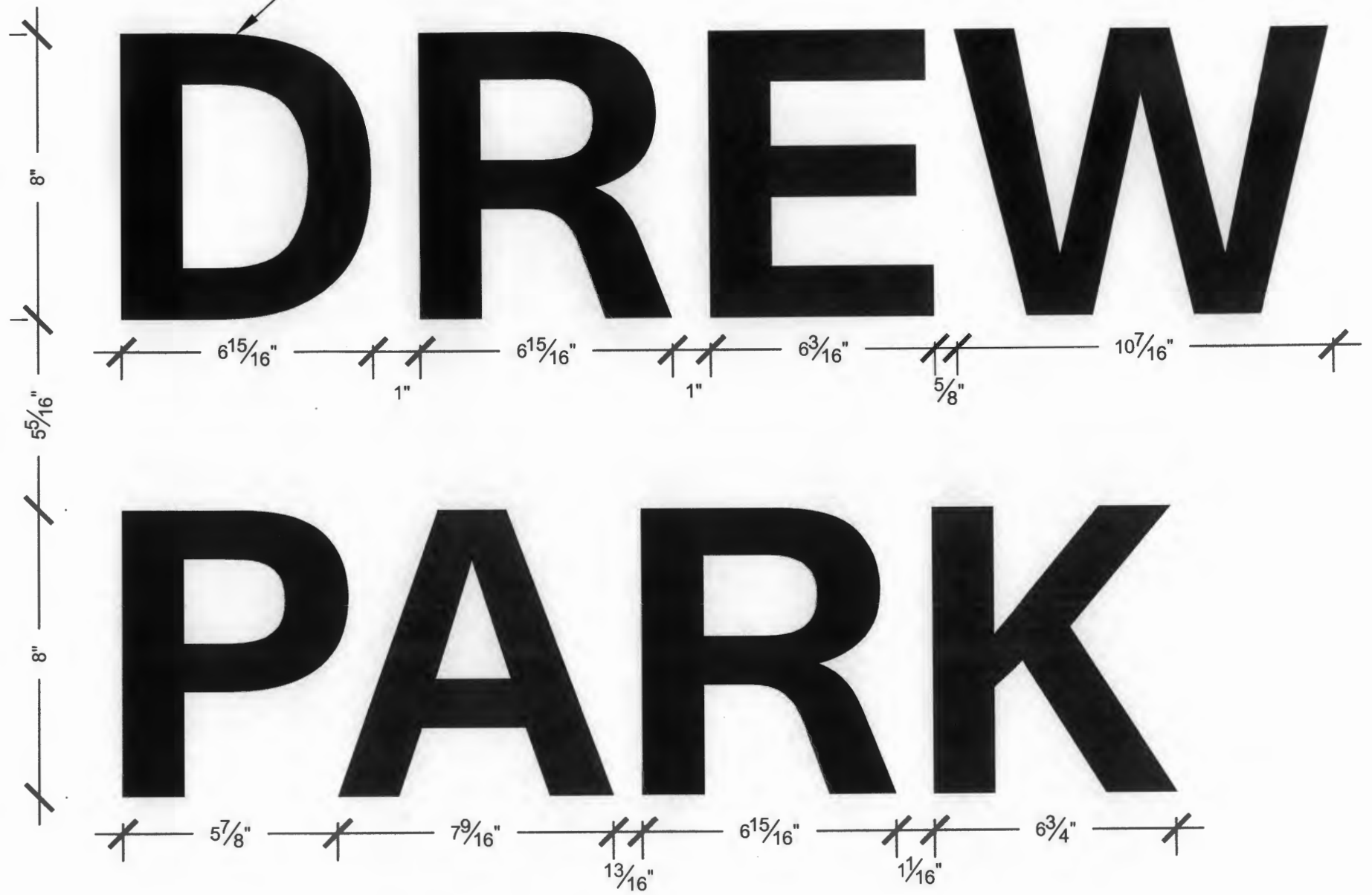
RETRO REFLECTIVE CLEAR MATTE FINISH FILM WITH A
 REFLECTIVITY RATING OF 35-55 CENDELLA AS APPROVED
 BY THE ENGINEER WILL BE APPLIED TO LETTERING.



6" = 1'-0"

Paul
 9-14-16

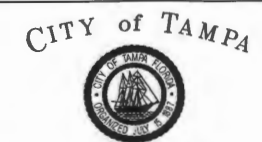
UPPERCASE LETTERS (TYP)



3" = 1'-0"

No.	DATE	REVISIONS
3		
2		
1		

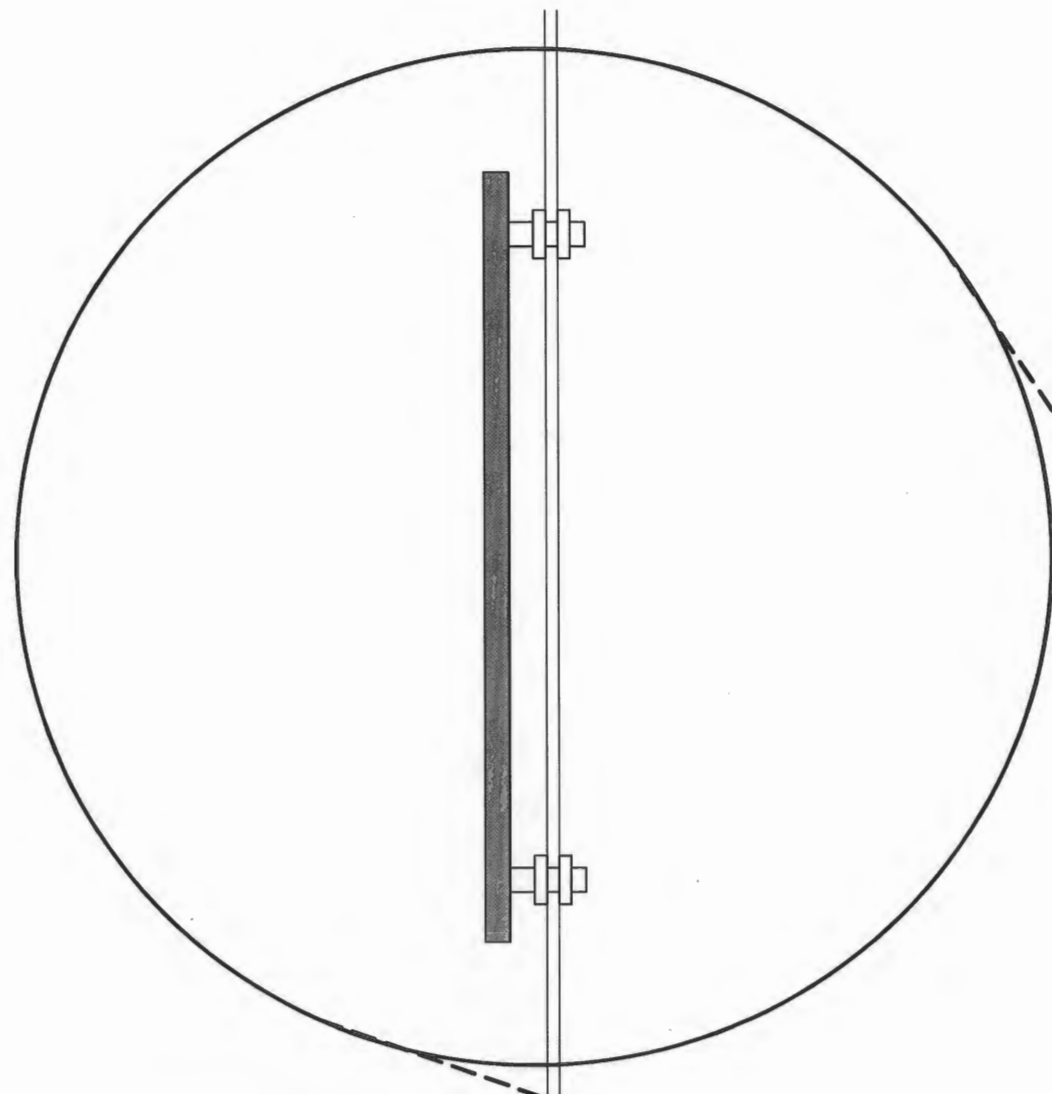
DES: DC
 DRN: JG
 CKD: DC
 DATE: 2016-05-05



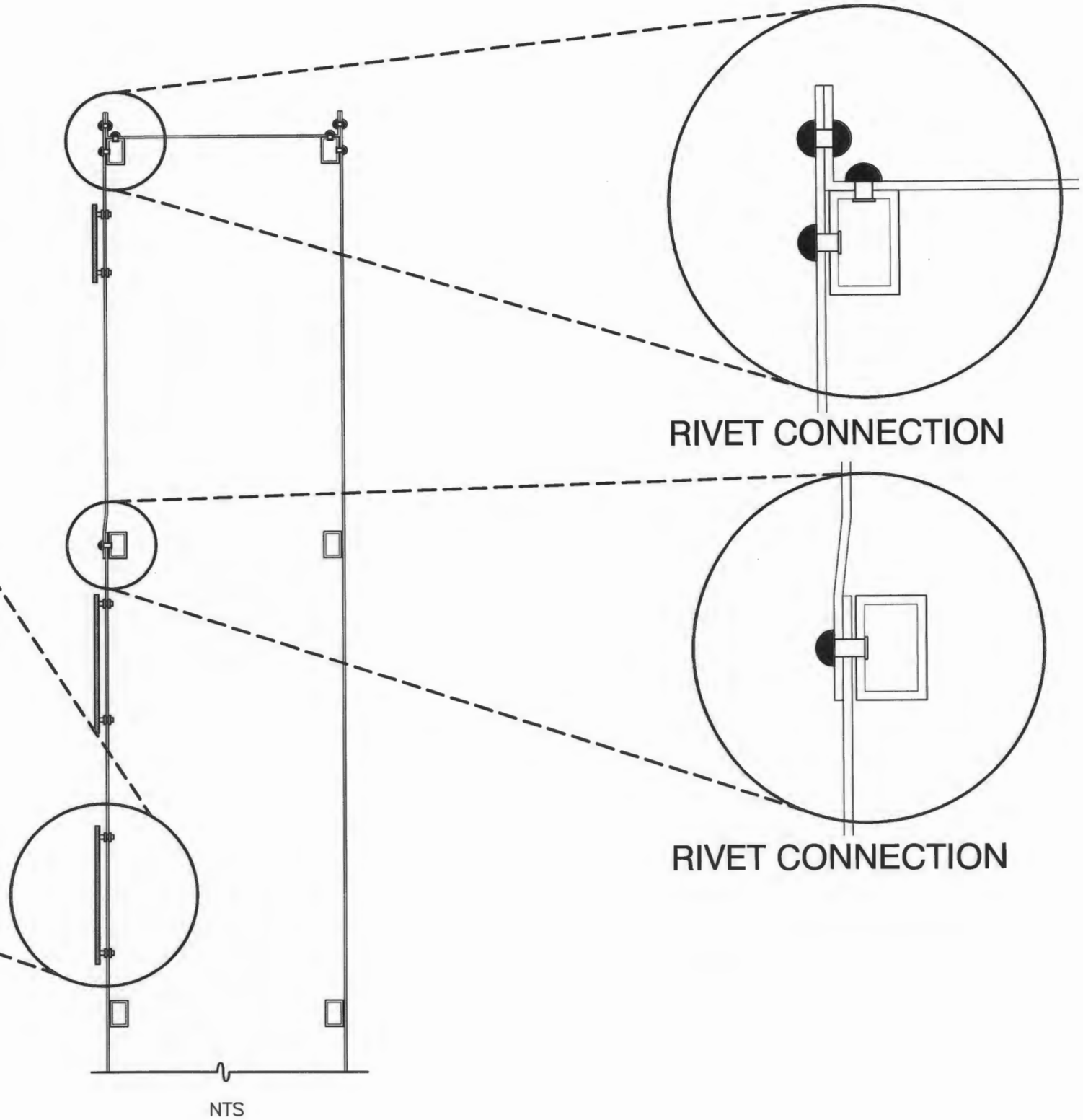
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 + ASSOCIATES**
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DREW PARK GATEWAY FEATURES
LARGE LETTERING

W.O.
 SHEET
15



LETTERING CONNECTION



RIVET CONNECTION

RIVET CONNECTION

NTS


NOTE:
 CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL
 PRIOR TO FABRICATION. ALL STRUCTURAL DESIGN OF METAL
 COMPONENTS SHALL BE PROVIDED BY THE FABRICATOR AND
 SIGNED AND SEALED BY A REGISTERED ENGINEER. REFER TO
 SHEET 11 FOR PLACEMENT OF LETTERING ON SIGN. NO VISIBLE
 WELDS.

MATERIAL: ALUMINUM DOMEHEAD SOLID RIVET

SIZE: $\frac{1}{2}$ " DIA., LENGTH $\frac{3}{8}$ " - 2" AS NEEDED
 0.520 HEAD DIA.
 0.203 HEAD HT.

Handwritten signature and date: 9.14.16

6" = 1'-0"

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3			DRN: JG					SHEET
2			CKD: DC					16
1			DATE: 2016-05-05					