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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

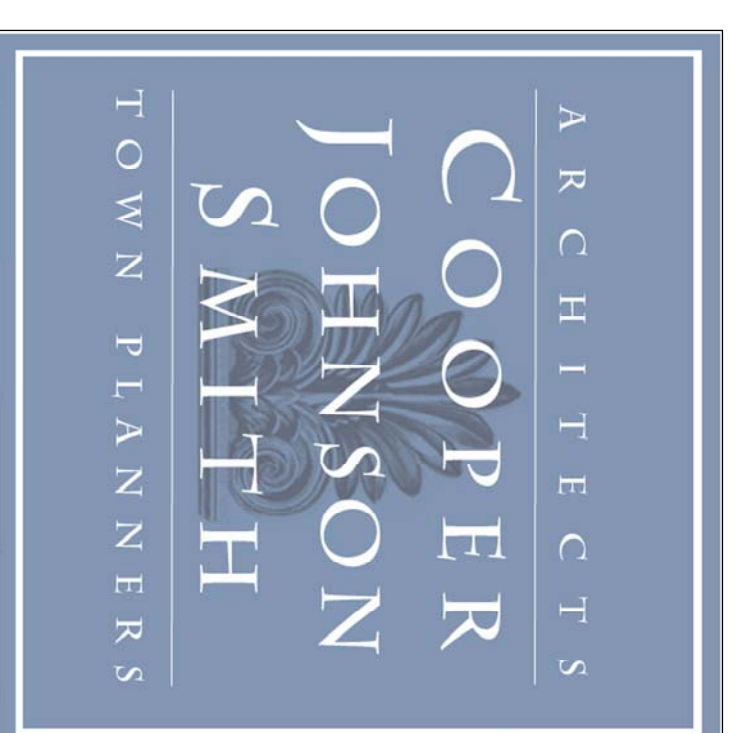
Swann Avenue Fountain Park

Tampa, FL

100 % Construction Documents Set

May 27, 2014

Proj. No. 12023



COOPER JOHNSON SMITH ARCHITECTS, INC.
102 SOUTH 12TH STREET - TAMPA, FLORIDA 33602
FL LIC AA C002035 www.cjsarch.com

LANDSCAPE ARCHITECTURE
DAVID CONNER & ASSOCIATES
100 Madison St., Suite 200
Tampa, Florida 33602
813/258-1997

STRUCTURAL ENGINEERING:
MILLER STRUCTURAL ENGINEERING, INC.
330 West Kennedy Blvd, Suite 700
Tampa, Florida 33606
813/259-9116

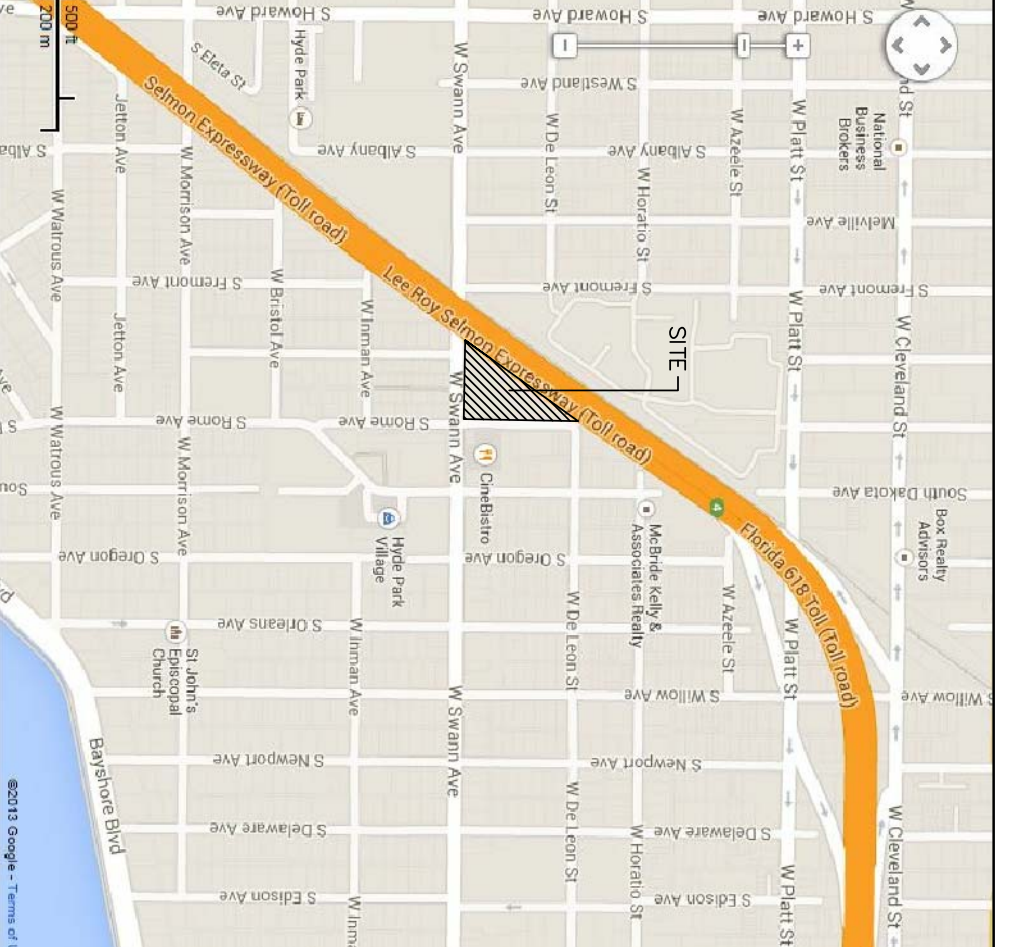
ELECTRICAL ENGINEERING
DIAMONDBACK ENGINEERING
1801 North Himes Avenue
Tampa, Florida 33607
813/350-0080

CIVIL ENGINEERING
SM CIVIL, LLC
12315 Wychitt Place
Tampa, Florida 33626
813/404-8872

Contact Personnel

PROJECT NAME: SWANN AVENUE FOUNTAIN PARK
 OWNER: CITY OF TAMPA
 ARCHITECT: COOPER JOHNSON SMITH ARCHITECTS INC.
 ADDRESS: 102 S. 12TH ST., TAMPA, FL 33609
 PHONE: (813) 273-0034
 CONTACT: GEOF. LOCKSMITH (813) 273-0034
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 ADDRESS: 100 MADISON ST. SUITE 200, TAMPA, FL 33602
 CONTACT: DAVID CONNER (813) 268-1997
 STRUCTURAL: MUELLER STRUCTURAL ENGINEERING, INC.
 ADDRESS: 4001 S. W. BOYD AVE., TAMPA, FL 33606
 CONTACT: WALTER MILLER (813) 269-9116
 CIVIL: 5M CIVIL, LLC
 ADDRESS: 12315 W. CLIFF PLACE, TAMPA, FL 33626
 CONTACT: JESUS MERLY (813) 404-8872
 ELECTRICAL: DIAMONDBACK ENGINEERING
 ADDRESS: 8801 NORTH HAVENS AVENUE, TAMPA, FL 33607
 CONTACT: RALPH ELERBYUM (813) 356-0886

Project Location:



FOLO: 1844970000, PIN A-23-29-18-458-000017-00000.0
 SUBDIVISION: 458, COURIER CITY
 ALT OF BOOK 17

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General Notes

- THE INFORMATION INCLUDED ON THIS DOCUMENT HAS BEEN PROVIDED BY THE OWNER FROM A VARIETY OF SOURCES. DAVID CONNER & ASSOCIATES, COOPER JOHNSON SMITH ARCHITECTS AND THEIR CONSULTANTS ARE NOT RESPONSIBLE FOR THE ACCURACY OF THIS INFORMATION. THE CONTRACTOR IS ADVISED TO REVIEW THE INFORMATION AND MAKE EVERY EFFORT TO BE FAMILIAR WITH ACTUAL CONDITIONS EXISTING ON THE SITE.
- CONSTRUCTION OF THIS PROJECT SHALL BE PERFORMED BY THE CONTRACTOR TO CONSTRUCTION. CONTRACTOR IS NOT TO SCALE DIMENSIONS AND DISCREPANCIES. ADJUSTMENTS AND/OR CORRECTIONS SHALL BE MARKED AND BROUGHT TO THE ATTENTION OF THE ARCHITECT OR LANDSCAPE ARCHITECT.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THE SITE WITH BARRIERS FROM PUBLIC ACCESS TO THE PROJECT AREA.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERMITS, TRAFFIC CONTROL, AND INSULATION OF ALL OWNER-SUPPLIED MATERIALS/TENTS ON SITE.

List of Architectural Abbreviations

AFF	ABOVE FINISH FLOOR	INSUL	INSULATION
AL	ALUMINUM	ID	INSIDE DIAMETER
ALUM	ALUMINUM	K.O.A.T.	KIHN DRIED AFTER TREATMENT
AP	ACCESS PANEL	MCH	MECHANICAL
BUR	BUILT-UP ROOF	MCHO	MICROVAPE OPEN
BNG	BEARING	ML	MILIMETER
CAB	CABINET	NR	NON-RATED
CJ	CONTROL JOINT	NIS	NOT TO SCALE
Q	CENTRALINE	O.C.	ON CENTER
CMU	CERAMIC MOSAIC TILE	OD	OVERFLOW DRAIN
CON	CONCRETE MASONRY UNIT	GPP	GROUPOSE
COL	COLUMN	P	PAINT
CONT	CONTINUOUS	PTD	PANITED
CONG	CONCRETE	P.T.	PRESSURE TREATED
CT	CERAMIC TILE	RD	ROOF DRAIN
DIA	DIAMETER	REF	REFRIGERATOR
DIST	DISTANCE	R.O.	ROUGH OPENING
ED	EXPANSION JOINT	SAS	SMOOTH FOUR SIDES
EQ	EQUAL	SF	SQUARE FEET
ETR	EXISTING TO REMAIN	SIM	SIMILAR
EMC	ELECTRIC WATER COOLER	SFP	SPRAY FIREPROOFING
EXST	EXISTING	SQ	SQUARE
EXT	EXTERIOR	SS	STAINLESS STEEL
FD	FLOOR DRAIN	ST	STAIN (CLEAR)
FEC	FIRE EXTINGUISHER CABINET	STRUC	STRUCTURAL
F.F.	FINISH FLOOR	T&G	TONGUE AND GROOVE
FT	FEET	T.O.	TOP OF
GA	GALVANIZED	T.O.M.	TOP OF MASONRY
GALV	GALVANIZED	TYP	TYPICAL
GC	GENERAL CONTRACTOR	UCR	UNDER COUNTER RECEPTACLE
GL	GLASS	UL	UNDERWATERS LABORATORY
GMS	GALVANIZED METAL STUD	V.C.J.	VERTICAL CONTROL JOINT
GMB	GYPSUM WALLBOARD	V.C.T.	VERT. COMPOSITION TILE
GSP	GYPSUM	VERT	VERTICAL
HM	HOLLOW METAL	VTR	VENT THRU ROOF
HR	HOOR	VF	VENTY IN FIELD
HRDR	HARDWARE	W/	WITH
		WO	WOOD

Code Review Summary

AT A MINIMUM THIS PROJECT HAS BEEN DOCUMENTED TO CONFORM TO THE REQUIREMENTS OF THE FOLLOWING BUILDING CODES:
 FBC 2010- BUILDING
 FLORIDA FIRE PREVENTION CODE 2010

COOPER JOHNSON SMITH
 ARCHITECTS INC
 102 S. 12TH STREET, TAMPA, FL 33602 813.273.0034 FAX: 273-0039
 FL LIC AA 002035

Swann Avenue Fountain Park
 Tampa, Florida

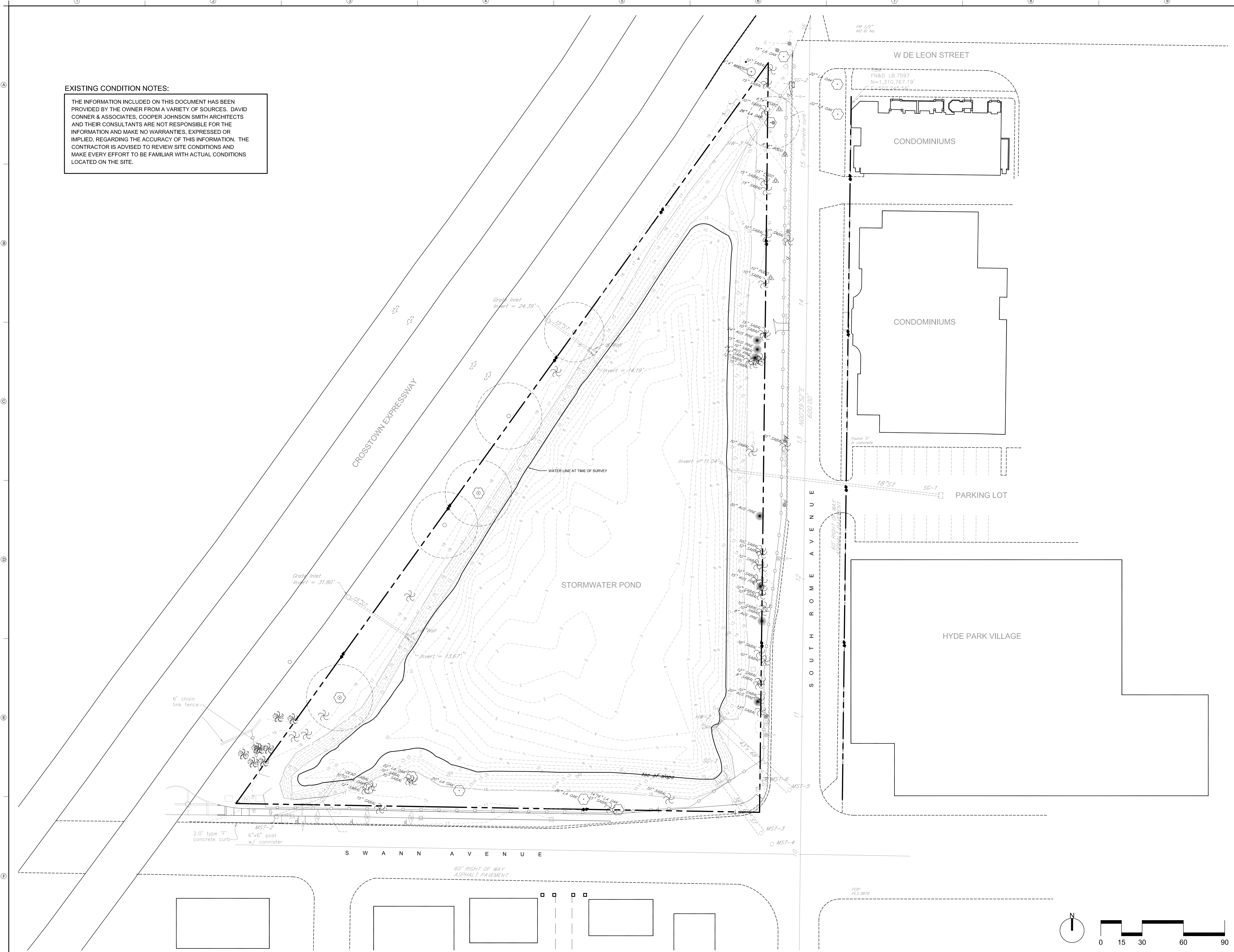
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SCALE		TITLE			

SHEET NO. **X1.0**

EXISTING CONDITION NOTES:

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AND ASSOCIATES

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Tel. (813)258-1997 · Facsimile (813)254-4194
LC0000319 · LA0001327

PROFESSIONAL OF RECORD:
DAVID CONNER
FLORIDA LICENSE LANDSCAPE ARCHITECT
0001327

**SWANN AVENUE
FOUNTAIN PARK**

CITY OF TAMPA
PUBLIC WORKS
DEPARTMENT
&
HYDE PARK
NEIGHBORHOOD
ASSOCIATION

NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IN EVENTS OF DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS IN THE DRAWINGS OR SPECIFICATIONS. THE CONTRACTOR IS NOT AUTHORIZED TO SCALE THE DRAWINGS. ALL QUESTIONS IN REFERENCE TO CONTRACT DOCUMENTS SHALL BE IMMEDIATELY DIRECTED TO THE LANDSCAPE ARCHITECT.

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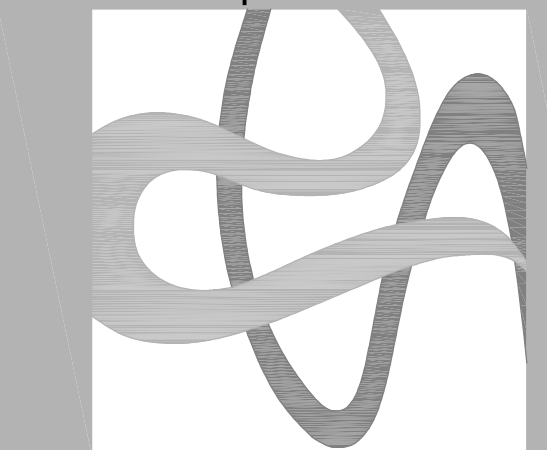
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DOCUMENTS**

2014-05-27

REVISIONS:

Drawing Title:
**EXISTING
CONDITIONS**

Drawing No.:
G001



SWANN AVENUE FOUNTAIN PARK

CITY OF TAMPA
PUBLIC WORKS
DEPARTMENT
&
HYDE PARK
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2014-05-27

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DEMOLITION
PLAN

Drawing No.:

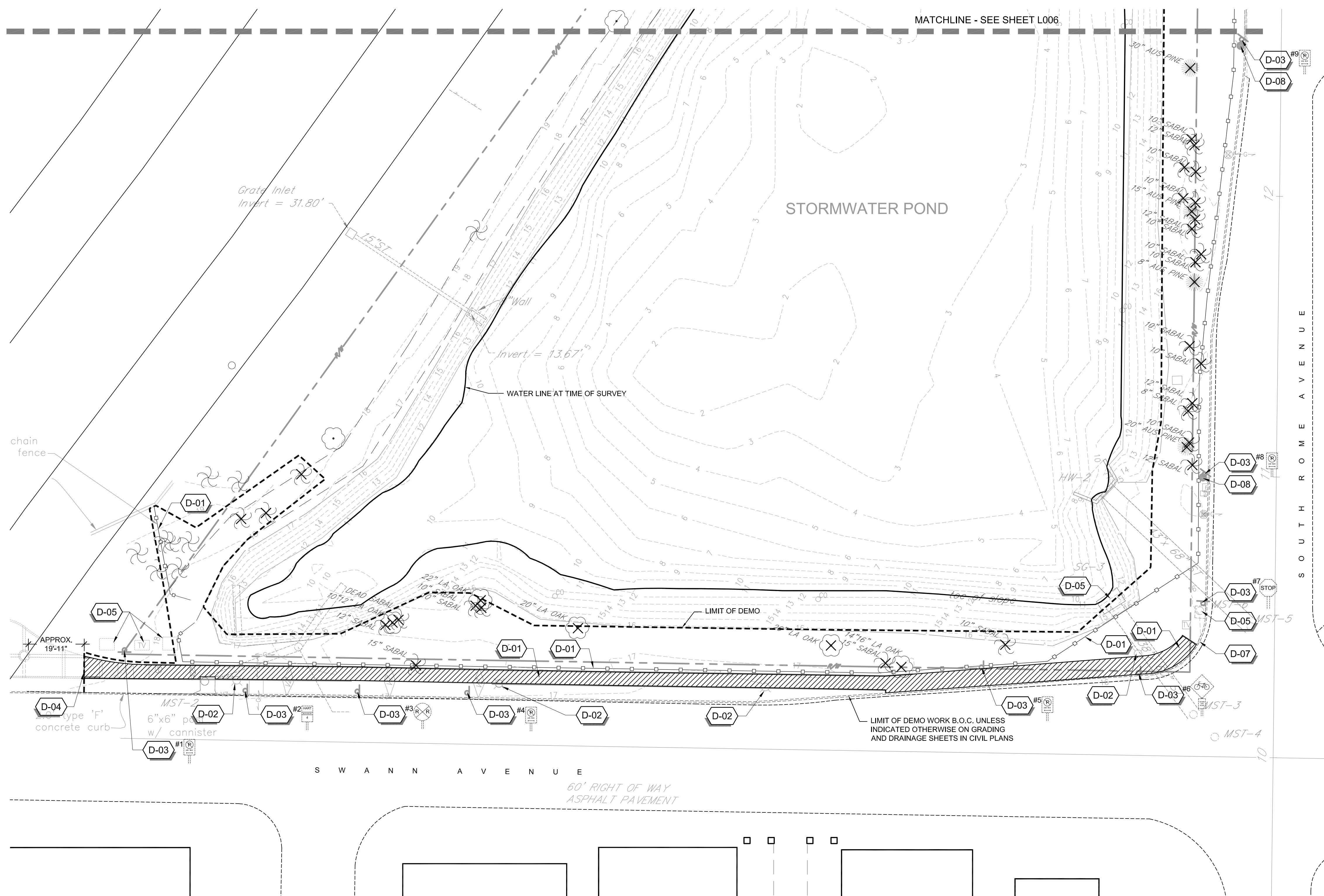
G002

REFERENCE NOTES SCHEDULE

SYMBOL	DEMOLITION DESCRIPTION
D-01	Item to be removed and disposed
D-02	Item to be removed and provided to the owner
D-03	Item to be removed, stored and reinstalled
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D-06	Tree Barricade (See detail for dimensions from tree trunk)
D-07	Refer to Civil drawings for curb removal
D-08	Power poles to be removed/relocated by TECO. Coordinate with TECO.
D-09	Root Prune - See City of Tampa Root Pruning Notes on G003

DEMOLITION LEGEND

	EXISTING SIDEWALK TO BE REMOVED
	EXISTING TREE TO BE REMOVED
	TREE PROTECTION BARRIER
	ROOT PRUNE
	LIMIT OF DEMOLITION WORK



MATCHLINE - SEE SHEET L006

STORMWATER POND

Grate Inlet
Invert = 31.80'

Invert = 13.67'

WATER LINE AT TIME OF SURVEY

LIMIT OF DEMO

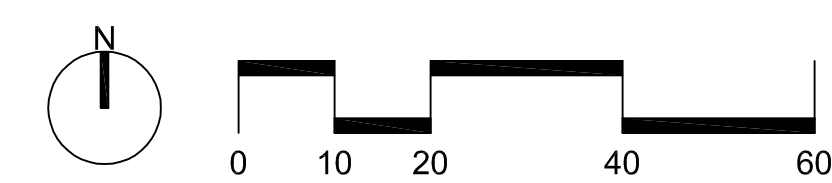
LIMIT OF DEMO WORK B.O.C. UNLESS INDICATED OTHERWISE ON GRADING AND DRAINAGE SHEETS IN CIVIL PLANS

SWANN AVENUE

60' RIGHT OF WAY
ASPHALT PAVEMENT

DEMOLITION NOTES:

- REFER TO DEMOLITION REFERENCE KEY FOR ITEMS INCLUDED ON THIS THIS SCOPE OF WORK.
- UNLESS AS SPECIFICALLY IDENTIFIED OTHERWISE ON THESE PLANS, THE CONTRATOR SHALL PROTECT EXISTING UTILITIES THROUGHOUT CONSTRUCTION OF THE PROJECT.
- REFER TO CIVIL PLANS FOR LOCATIONS OF DRAINAGE PROTECTION DEVICES.
- THE CONTRACTOR SHALL PROTECT ITEMS TO REMAIN.
- VERIFY THE LOCATION OF ITEMS (SITE STRUCTURES) TO REMAIN PRIOR TO COMMENCEMENT OF THE WORK.
- THE CONTRACTOR SHALL CALL SUNSHINE 811 AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY TO REQUEST LOCATION OF UNDERGROUND UTILITIES IN THE AREA. DO NOT BEGIN EXCAVATION ONSITE BEFORE VERIFYING THAT KNOWN UTILITIES IN THE AREA HAVE BEEN FULLY IDENTIFIED. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE AND REPAIR OF ANY UTILITIES ON THE PROJECT SITE THAT DAMAGED DUE TO FAILURE TO MAKE A REASONABLE EFFORT TO IDENTIFY.
- ITEMS ENCOUNTERED BELOW GRADE AND NOT SHOWN ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER FOR CLARIFICATION AND DIRECTION FOR PROCEEDING WITH THE WORK.
- LOCATIONS, ELEVATIONS AND DIMENSIONS OF THE EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF THE PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS AND/OR STRUCTURES.
- PERFORM EXCAVATION IN THE VICINITY OF EXISTING UTILITIES BY HAND WHERE APPLICABLE. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES CAUSED BY ANY PERSON, VEHICLE, EQUIPMENT, OR TOOL RELATED TO THE EXECUTION OF THE CONTRACT.
- DEMOLITION DEBRIS SHALL BE PROPERLY DISPOSED AT OFFSITE DISPOSAL FACILITIES APPROVED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY APPLICABLE PERMITS AT NO ADDITIONAL COST TO THE OWNER. DISPOSAL BY BURNING AND/OR BURYING IS PROHIBITED.
- THE CONTRACTOR SHALL PROTECT THE EXISTING SOD LOCATED AROUND THE POND AND EXPRESSWAY EMBANKMENT AND SHALL REPAIR ANY DAMAGE DUE TO CONSTRUCTION ACTIVITIES AS PART OF THIS WORK.
- COORDINATE WITH CITY OF TAMPA TRANSPORTATION DIVISION FOR REMOVAL AND REPLACEMENT OF STREET REGULATORY SIGNS. DO NOT REMOVE OR PREVENT VIEWS TO TRAFFIC SAFETY SIGNS WITHOUT CITY APPROVAL AND OR PROVISIONS FOR TEMPORARY SAFETY/TRAFFIC SIGNAGE.





SWANN AVENUE
FOUNTAIN PARK

CITY OF TAMPA
PUBLIC WORKS
DEPARTMENT
&
HYDE PARK
NEIGHBORHOOD
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CAD FILE:

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2014-05-27

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Drawing Title:

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PLAN

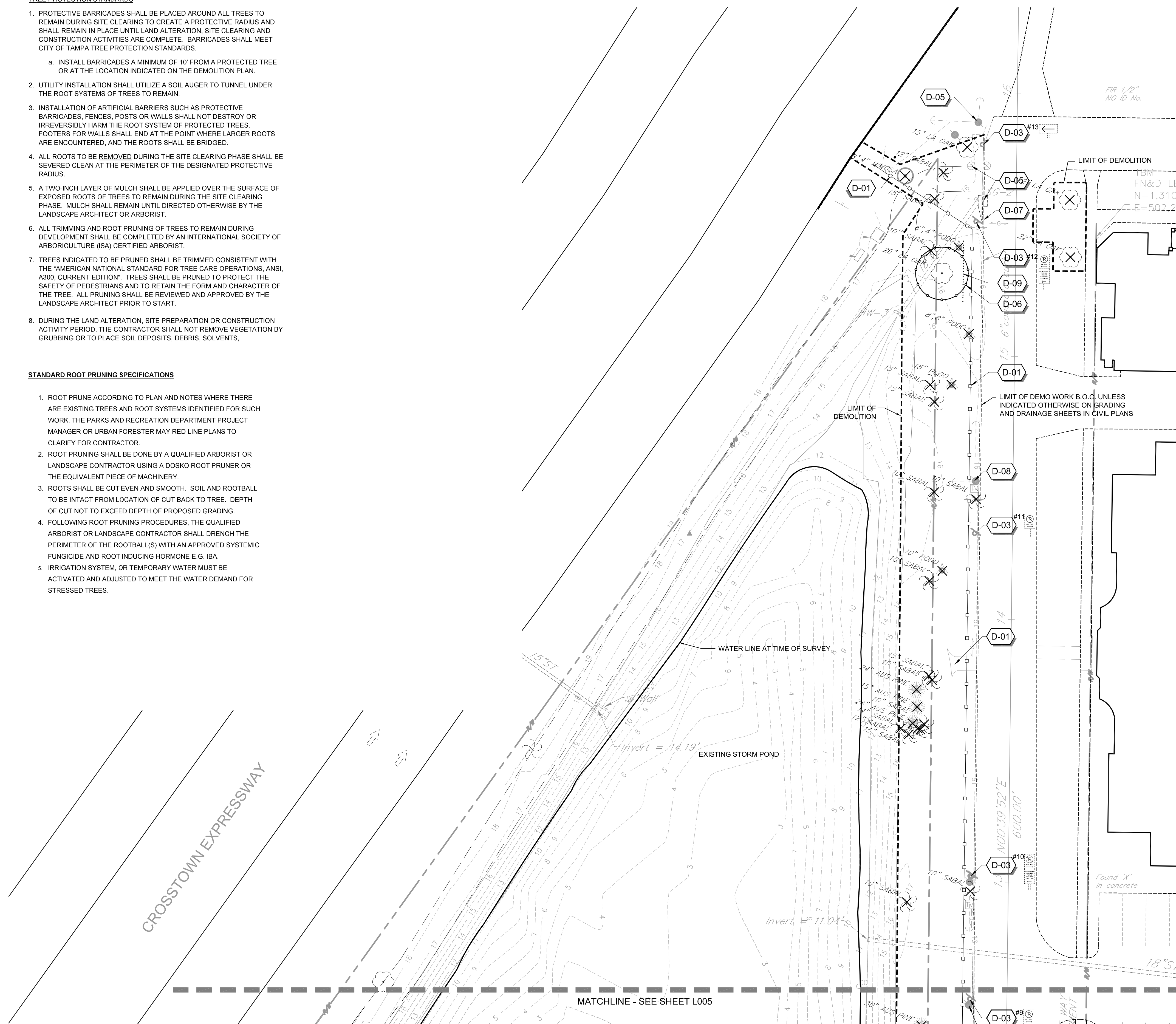
Drawing No.:

G003

- TREE PROTECTION STANDARDS**
- PROTECTIVE BARRICADES SHALL BE PLACED AROUND ALL TREES TO REMAIN DURING SITE CLEARING TO CREATE A PROTECTIVE RADIUS AND SHALL REMAIN IN PLACE UNTIL LAND ALTERATION, SITE CLEARING AND CONSTRUCTION ACTIVITIES ARE COMPLETE. BARRICADES SHALL MEET CITY OF TAMPA TREE PROTECTION STANDARDS.
 - INSTALL BARRICADES A MINIMUM OF 10' FROM A PROTECTED TREE OR AT THE LOCATION INDICATED ON THE DEMOLITION PLAN.
 - UTILITY INSTALLATION SHALL UTILIZE A SOIL AUGER TO TUNNEL UNDER THE ROOT SYSTEMS OF TREES TO REMAIN.
 - INSTALLATION OF ARTIFICIAL BARRIERS SUCH AS PROTECTIVE BARRICADES, FENCES, POSTS OR WALLS SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROTECTED TREES. FOOTERS FOR WALLS SHALL END AT THE POINT WHERE LARGER ROOTS ARE ENCOUNTERED, AND THE ROOTS SHALL BE BRIDGED.
 - ALL ROOTS TO BE REMOVED DURING THE SITE CLEARING PHASE SHALL BE SEVERED CLEAN AT THE PERIMETER OF THE DESIGNATED PROTECTIVE RADIUS.
 - A TWO-INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF TREES TO REMAIN DURING THE SITE CLEARING PHASE. MULCH SHALL REMAIN UNTIL DIRECTED OTHERWISE BY THE LANDSCAPE ARCHITECT OR ARBORIST.
 - ALL TRIMMING AND ROOT PRUNING OF TREES TO REMAIN DURING DEVELOPMENT SHALL BE COMPLETED BY AN INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST.
 - TREES INDICATED TO BE PRUNED SHALL BE TRIMMED CONSISTENT WITH THE "AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS, ANSI, A300, CURRENT EDITION". TREES SHALL BE PRUNED TO PROTECT THE SAFETY OF PEDESTRIANS AND TO RETAIN THE FORM AND CHARACTER OF THE TREE. ALL PRUNING SHALL BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO START.
 - DURING THE LAND ALTERATION, SITE PREPARATION OR CONSTRUCTION ACTIVITY PERIOD, THE CONTRACTOR SHALL NOT REMOVE VEGETATION BY GRUBBING OR TO PLACE SOIL DEPOSITS, DEBRIS, SOLVENTS,

STANDARD ROOT PRUNING SPECIFICATIONS

- ROOT PRUNE ACCORDING TO PLAN AND NOTES WHERE THERE ARE EXISTING TREES AND ROOT SYSTEMS IDENTIFIED FOR SUCH WORK. THE PARKS AND RECREATION DEPARTMENT PROJECT MANAGER OR URBAN FORESTER MAY RED LINE PLANS TO CLARIFY FOR CONTRACTOR.
- ROOT PRUNING SHALL BE DONE BY A QUALIFIED ARBORIST OR LANDSCAPE CONTRACTOR USING A DOSKO ROOT PRUNER OR THE EQUIVALENT PIECE OF MACHINERY.
- ROOTS SHALL BE CUT EVEN AND SMOOTH. SOIL AND ROOTBALL TO BE INTACT FROM LOCATION OF CUT BACK TO TREE. DEPTH OF CUT NOT TO EXCEED DEPTH OF PROPOSED GRADING.
- FOLLOWING ROOT PRUNING PROCEDURES, THE QUALIFIED ARBORIST OR LANDSCAPE CONTRACTOR SHALL DRENCH THE PERIMETER OF THE ROOTBALL(S) WITH AN APPROVED SYSTEMIC FUNGICIDE AND ROOT INDUCING HORMONE E.G. IBA.
- IRRIGATION SYSTEM, OR TEMPORARY WATER MUST BE ACTIVATED AND ADJUSTED TO MEET THE WATER DEMAND FOR STRESSED TREES.



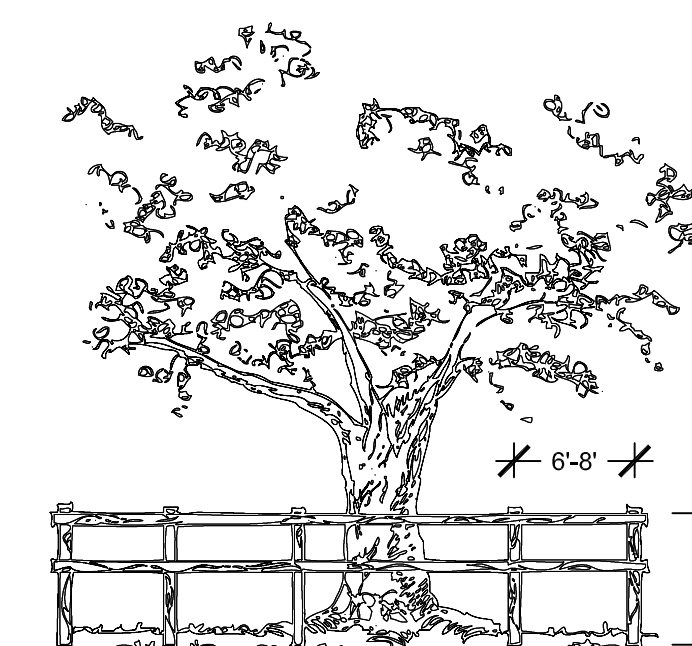
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DEMOLITION LEGEND

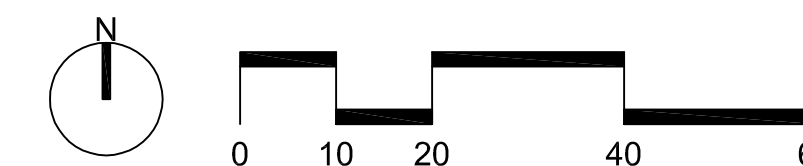
- EXISTING SIDEWALK TO BE REMOVED
- EXISTING TREE TO BE REMOVED
- TREE PROTECTION BARRIER
- ROOT PRUNE
- LIMIT OF DEMOLITION WORK

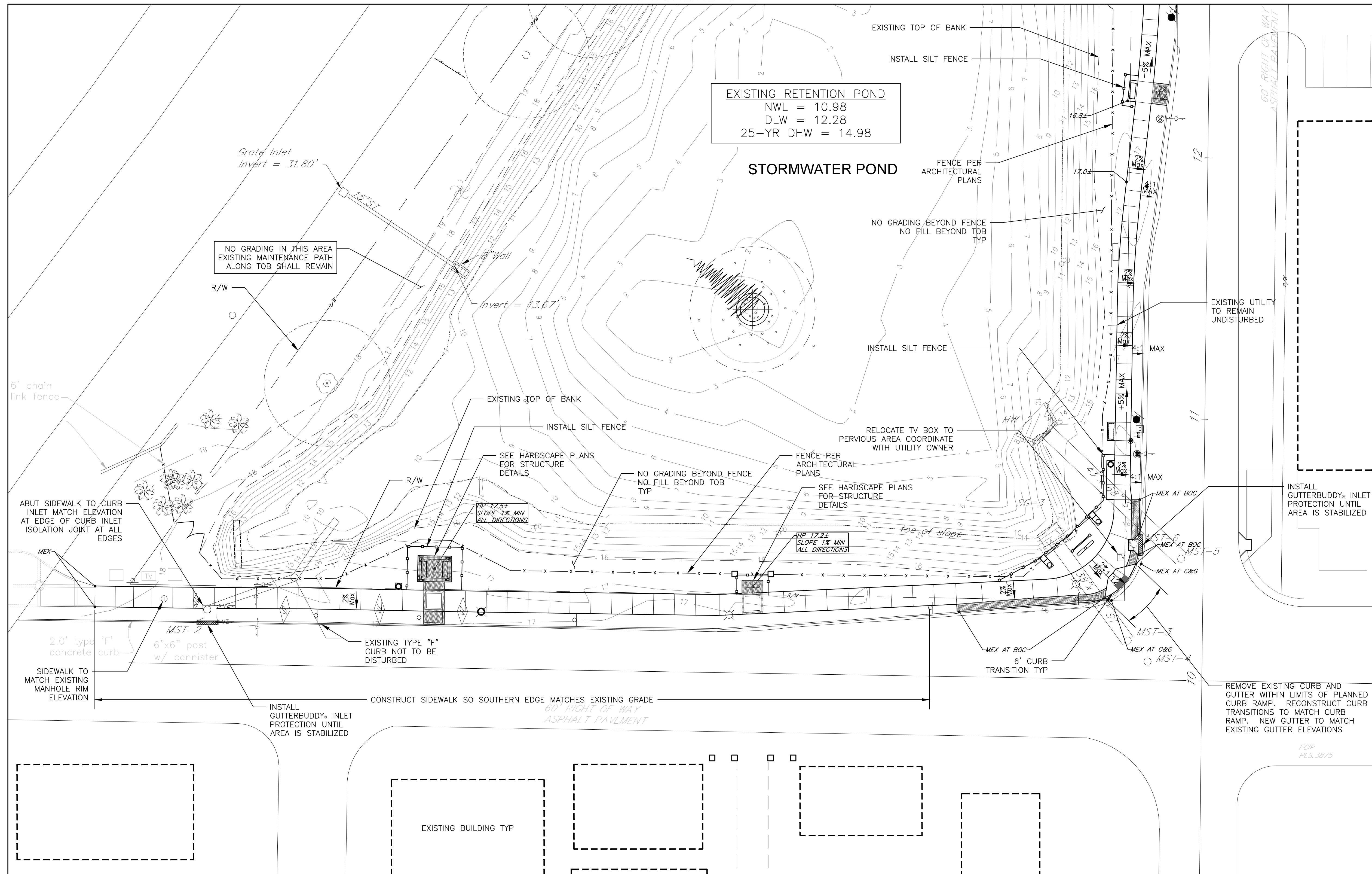
REFER TO SHEET G002 FOR DEMOLITION NOTES



HORIZONTAL: WOOD MEMBER, ORANGE FENCING, CHAIN LINK FENCE OR OTHER APPROVED MATERIAL
VERTICAL: WOOD MEMBER OR APPROVED MATERIAL
BARRICADES PLACED AT DESIGNATED PROTECTIVE ROOT ZONE

BARRICADE DETAIL FOR
PROTECTED AND GRAND TREES



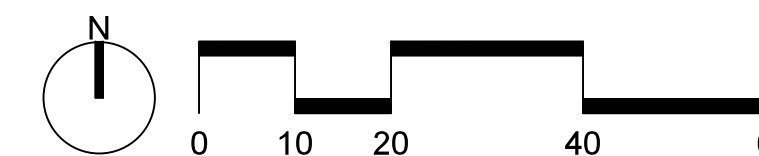


PAVING, GRADING AND DRAINAGE NOTES:

- ELEVATIONS SHOWN ON THE PLANS FOR PROPOSED IMPROVEMENTS ARE BASED ON LIMITED ELEVATION DATA (SHOWN CONTOURS). ACCORDINGLY SPOT ELEVATIONS INDICATED HEREIN ARE APPROXIMATE AND WILL VARY BASED ON FIELD CONDITIONS. ANY DISCREPANCIES THAT ARISE DURING CONSTRUCTION SHOULD BE ADDRESSED TO THE OWNER'S REPRESENTATIVE FOR CLARIFICATION.
- SIDEWALK SHALL BE CONSTRUCTED PER FDOT DESIGN STANDARD INDEX 310. WIDTH SHALL BE AS SPECIFIED ON THE HARDSCAPE PLANS.
- REFER TO LANDSCAPING PLANS FOR STABILIZATION OF DISTURBED AREAS.
- SUBJECT PROPERTY IS LOCATED IN FLOOD ZONE X ACCORDING TO FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. FEMA 12057C0353H BEARING AN EFFECTIVE DATE OF AUGUST 28, 2008.
- LONGITUDINAL SLOPE OF SIDEWALK SHALL NOT EXCEED 5% IN ACCORDANCE WITH ADA REQUIREMENTS.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF FILL UNDERNEATH EXISTING SIDEWALK.
- UNSUITABLE MATERIALS CONSISTING OF BUT NOT LIMITED TO BROKEN CONCRETE AND ASPHALT MILLINGS SHALL BE REMOVED AND DISPOSED AT THE CONTRACTORS EXPENSE.

STORMWATER MANAGEMENT SYSTEM CALCS

- EXISTING IMPERVIOUS AREA = 1,992 SF
- PLANNED SIDEWALK AREA = 7,402 SF
- ADDITIONAL IMPERVIOUS AREA = 5,410 SF
- PER SWFWMD PERMIT 402417.02:
 - THE PROJECT DRAINAGE AREA IS 34.28 ACRES
 - THE CN FOR THE DRAINAGE AREA IS 87.1.
- EXISTING SOILS CONSISTS OF TAVARES SANDS HSG A
- PERVIOUS CN=49, IMPERVIOUS CN=98
- PLANNED PROJECT AREA = 0.36% OF CONTRIBUTING AREA
- CN INCREASE = $.0036 * (98 - 49) = 0.18$
- REVISED CN = 87.28.
- P25YR-24HR = 8 IN
- PER NRCS RUNOFF FORMULA Q FOR CN OF 87.1 = 6.46 IN
- Q FOR CN OF 87.28 = 6.48 IN
- DELTA Q = $0.02 \text{ IN} * 34.28 \text{ AC} = 0.057 \text{ AC-FT}$
- EXISTING POND AREA AT DHW = 1.73 AC
- RESULTING INCREASE FROM ADDITIONAL RUNOFF = 0.03 FT OR 0.4 INCHES. THIS IS AN INSIGNIFICANT INCREASE AND WELL WITHIN THE ERROR TOLERANCES OF STANDARD HYDROLOGIC AND HYDRAULIC CALCULATIONS.



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5M CIVIL PROJECT NO.: 131203
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CAD File: PGD.DWG

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CONSTRUCTION
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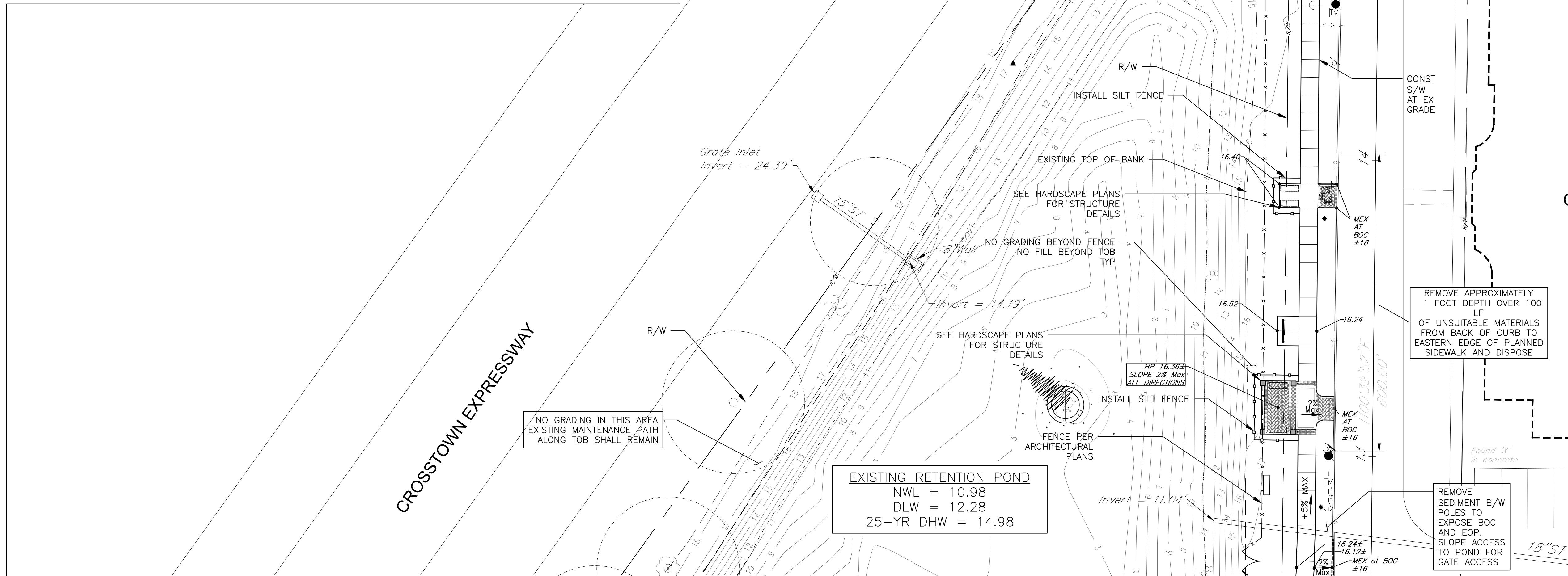
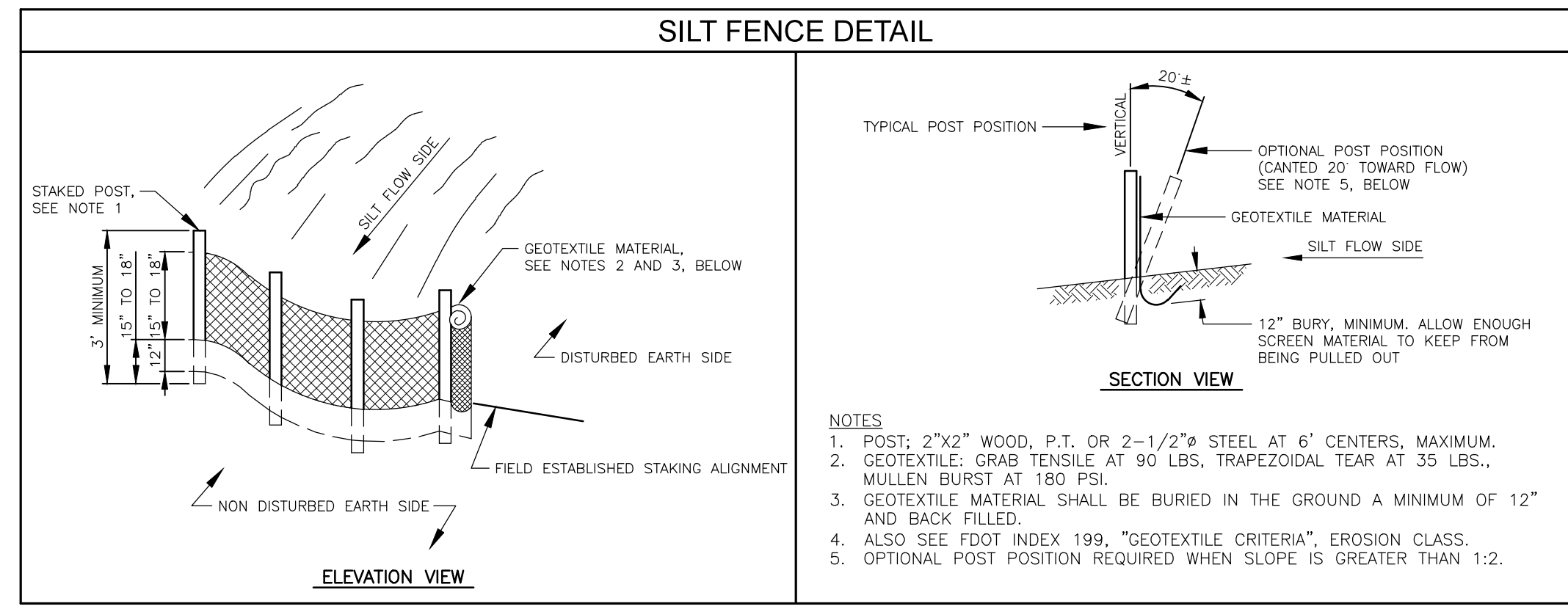
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**PAVING, GRADING
AND DRAINAGE
PLAN**

Drawing No.:

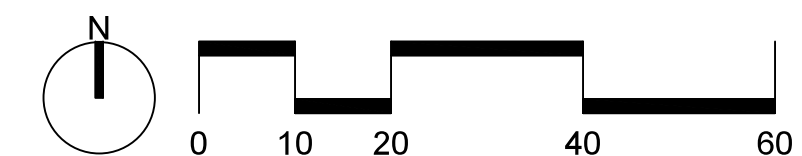
C-001

PAVING, GRADING AND DRAINAGE NOTES:

- ELEVATIONS SHOWN ON THE PLANS FOR PROPOSED IMPROVEMENTS ARE BASED ON LIMITED ELEVATION DATA (SHOWN CONTOURS). ACCORDINGLY SPOT ELEVATIONS INDICATED HEREIN ARE APPROXIMATE AND WILL VARY BASED ON FIELD CONDITIONS. ANY DISCREPANCIES THAT ARISE DURING CONSTRUCTION SHOULD BE ADDRESSED TO THE OWNER'S REPRESENTATIVE FOR CLARIFICATION.
- SIDEWALK SHALL BE CONSTRUCTED PER FDOT DESIGN STANDARD INDEX 310. WIDTH SHALL BE AS SPECIFIED ON THE HARDSCAPE PLANS.
- REFER TO LANDSCAPING PLANS FOR STABILIZATION OF DISTURBED AREAS.
- SUBJECT PROPERTY IS LOCATED IN FLOOD ZONE X ACCORDING TO FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. FEMA 12057C0353H BEARING AN EFFECTIVE DATE OF AUGUST 28, 2008.
- LONGITUDINAL SLOPE OF SIDEWALK SHALL NOT EXCEED 5% IN ACCORDANCE WITH ADA REQUIREMENTS.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF FILL UNDERNEATH EXISTING SIDEWALK.
- UNSUITABLE MATERIALS CONSISTING OF BUT NOT LIMITED TO BROKEN CONCRETE AND ASPHALT MILLINGS SHALL BE REMOVED AND DISPOSED AT THE CONTRACTORS EXPENSE.



MATCHLINE C-1



SWANN AVENUE FOUNTAIN PARK

CITY OF TAMPA
 PUBLIC WORKS
 DEPARTMENT
 &
 HYDE PARK
 NEIGHBORHOOD
 ASSOCIATION

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5M CIVIL PROJECT NO.: 131203
 DRAWN BY: JAM
 CHECKED BY: JAM
 CAD File: PGD.DWG

100% CONSTRUCTION DOCUMENTS

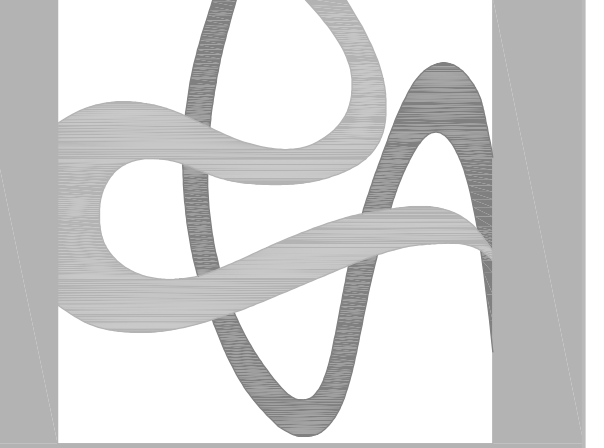
2014-05-27

REVISIONS:

Drawing Title:
PAVING, GRADING AND DRAINAGE PLAN

Drawing No.:

C-002



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CAD File:

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DOCUMENTS

2014-05-27

REVISIONS:

Drawing Title:

**HARDSCAPE
PLAN**

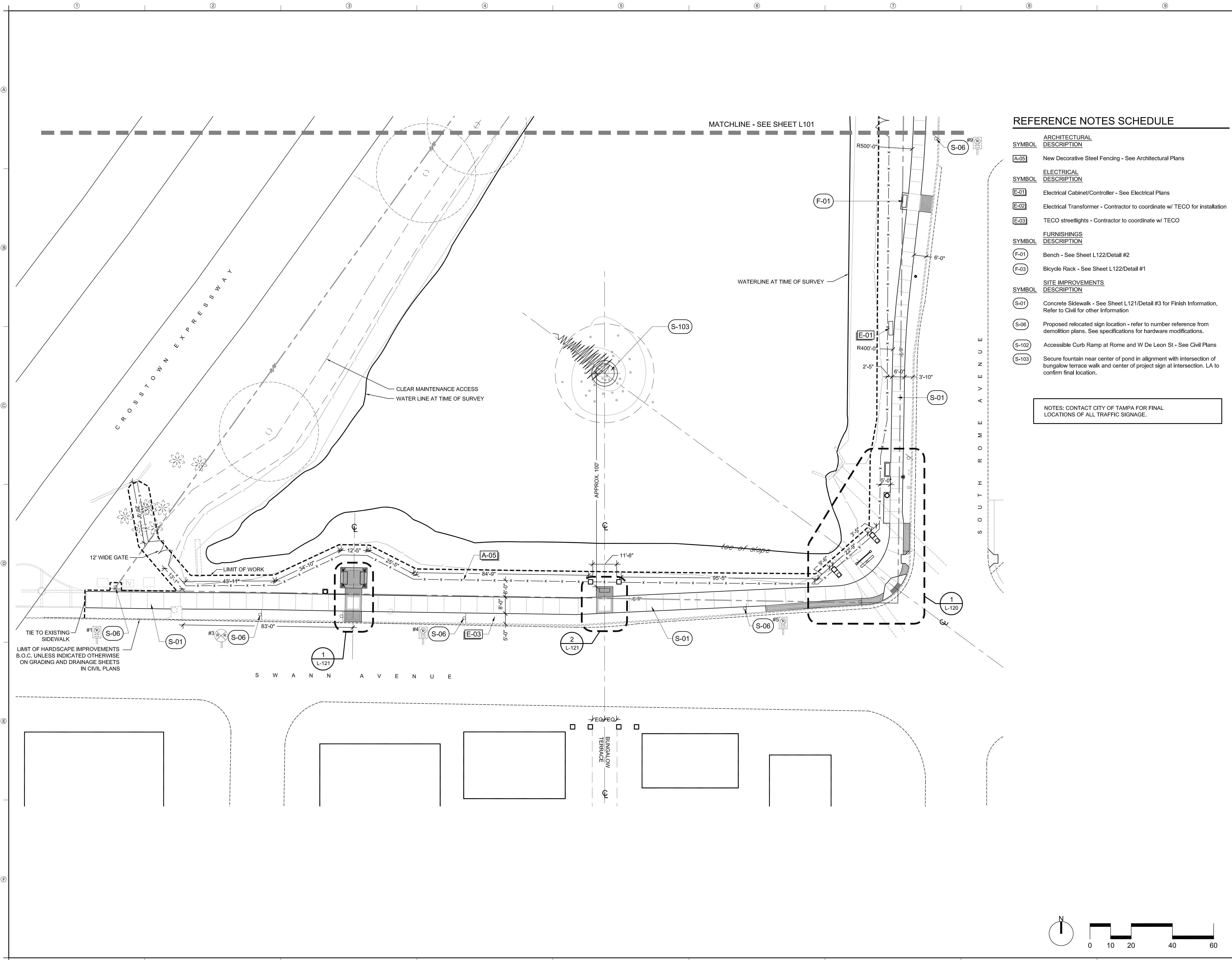
Drawing No.:

L100

REFERENCE NOTES SCHEDULE

SYMBOL	ARCHITECTURAL DESCRIPTION
A-05	New Decorative Steel Fencing - See Architectural Plans
SYMBOL	ELECTRICAL DESCRIPTION
E-01	Electrical Cabinet/Controller - See Electrical Plans
E-02	Electrical Transformer - Contractor to coordinate w/ TECO for installation
E-03	TECO streetlights - Contractor to coordinate w/ TECO
SYMBOL	FURNISHINGS DESCRIPTION
F-01	Bench - See Sheet L122/Detail #2
F-03	Bicycle Rack - See Sheet L122/Detail #1
SYMBOL	SITE IMPROVEMENTS DESCRIPTION
S-01	Concrete Sidewalk - See Sheet L121/Detail #3 for Finish Information. Refer to Civil for other information
S-06	Proposed relocated sign location - refer to number reference from demolition plans. See specifications for hardware modifications.
S-102	Accessible Curb Ramp at Rome and W De Leon St - See Civil Plans
S-103	Secure fountain near center of pond in alignment with intersection of bungalow terrace walk and center of project sign at intersection. LA to confirm final location.

NOTES: CONTACT CITY OF TAMPA FOR FINAL LOCATIONS OF ALL TRAFFIC SIGNAGE.





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CAD File:

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CONSTRUCTION
DOCUMENTS**

2014-05-27

REVISIONS:

Drawing Title:

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PLAN**

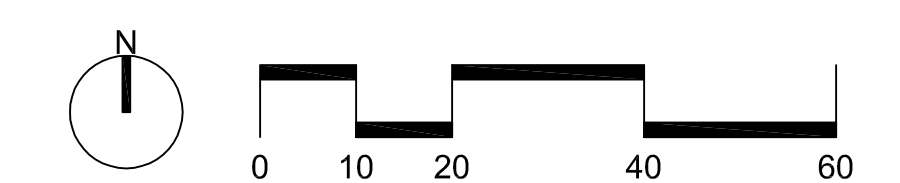
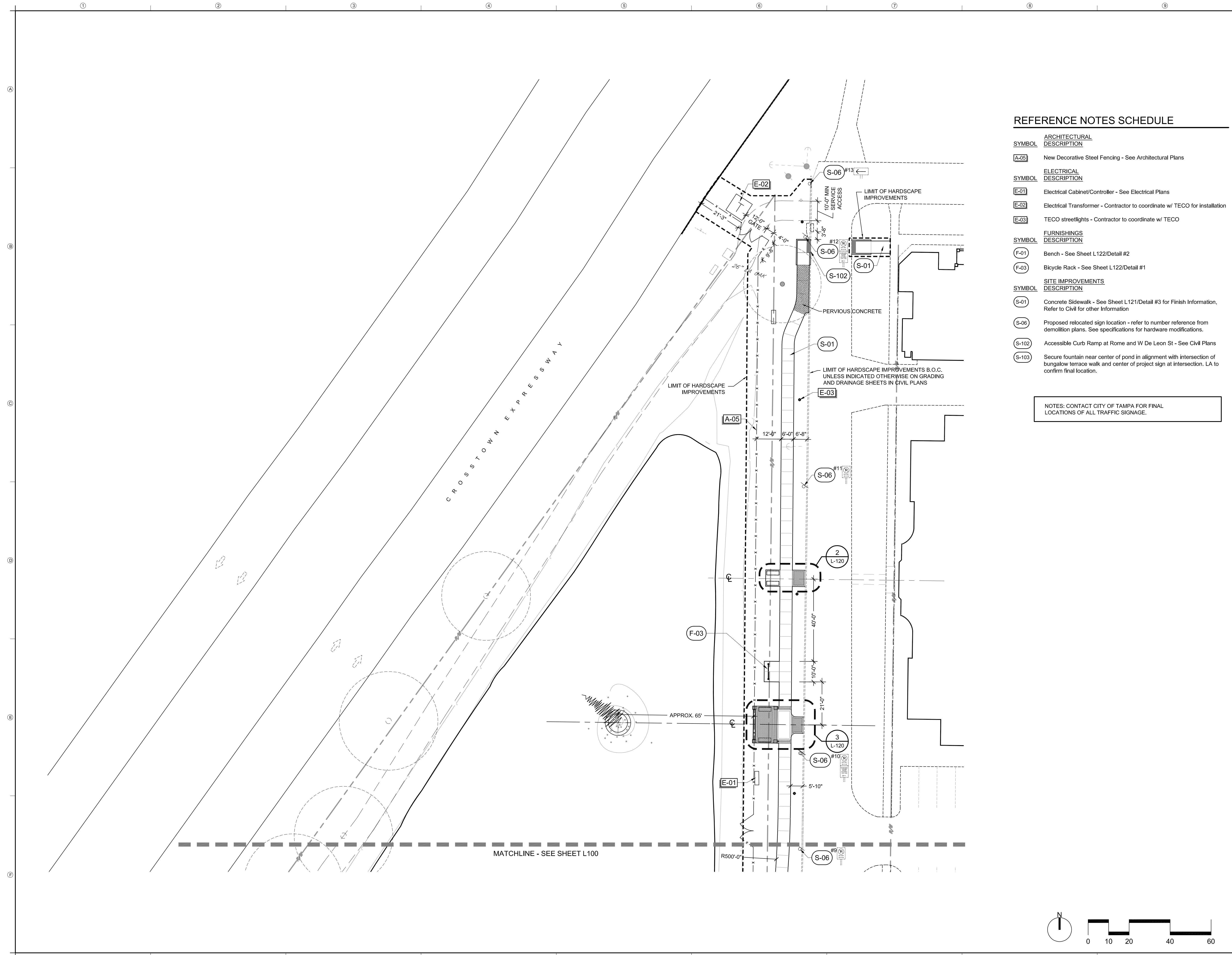
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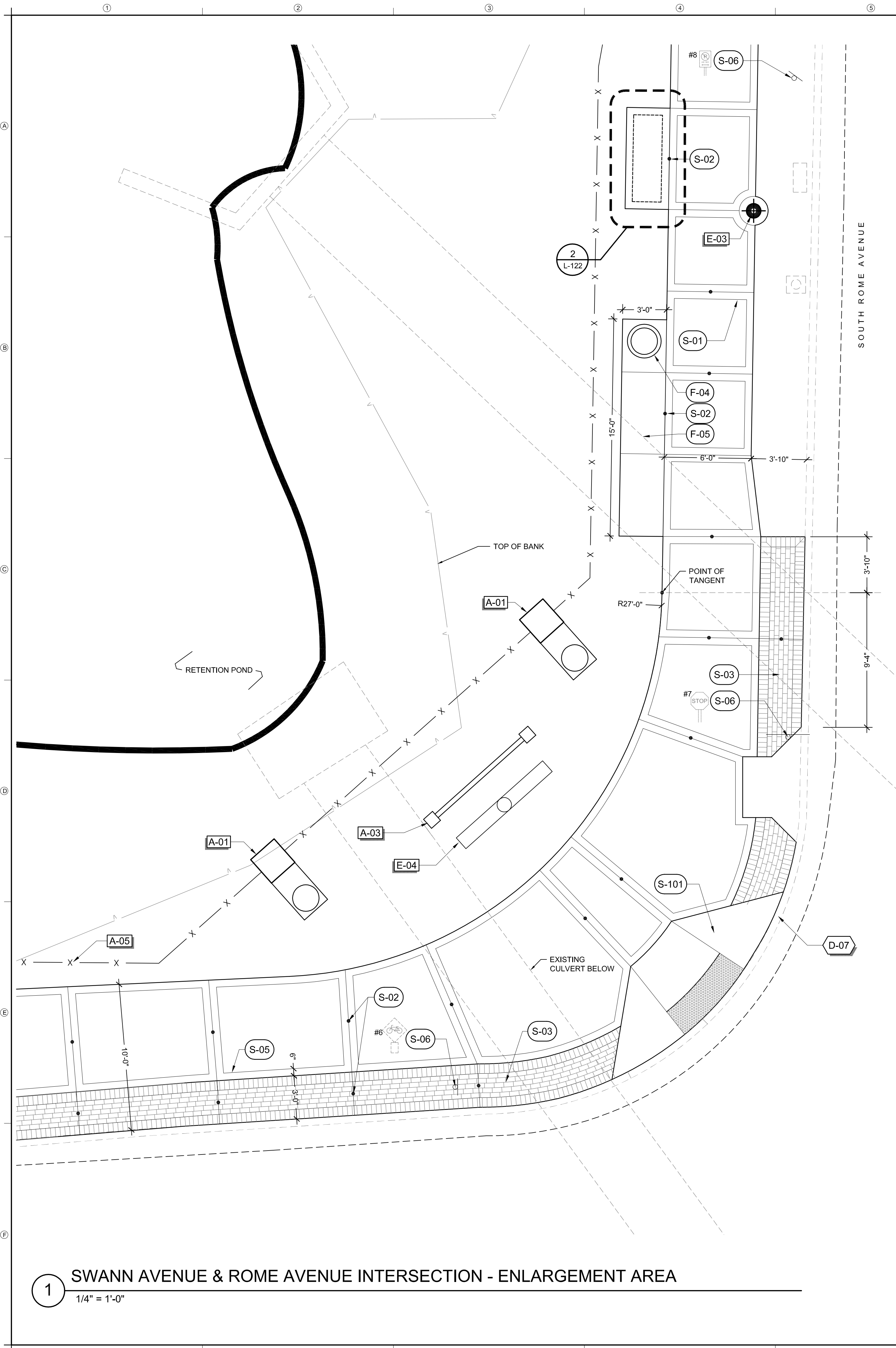
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REFERENCE NOTES SCHEDULE

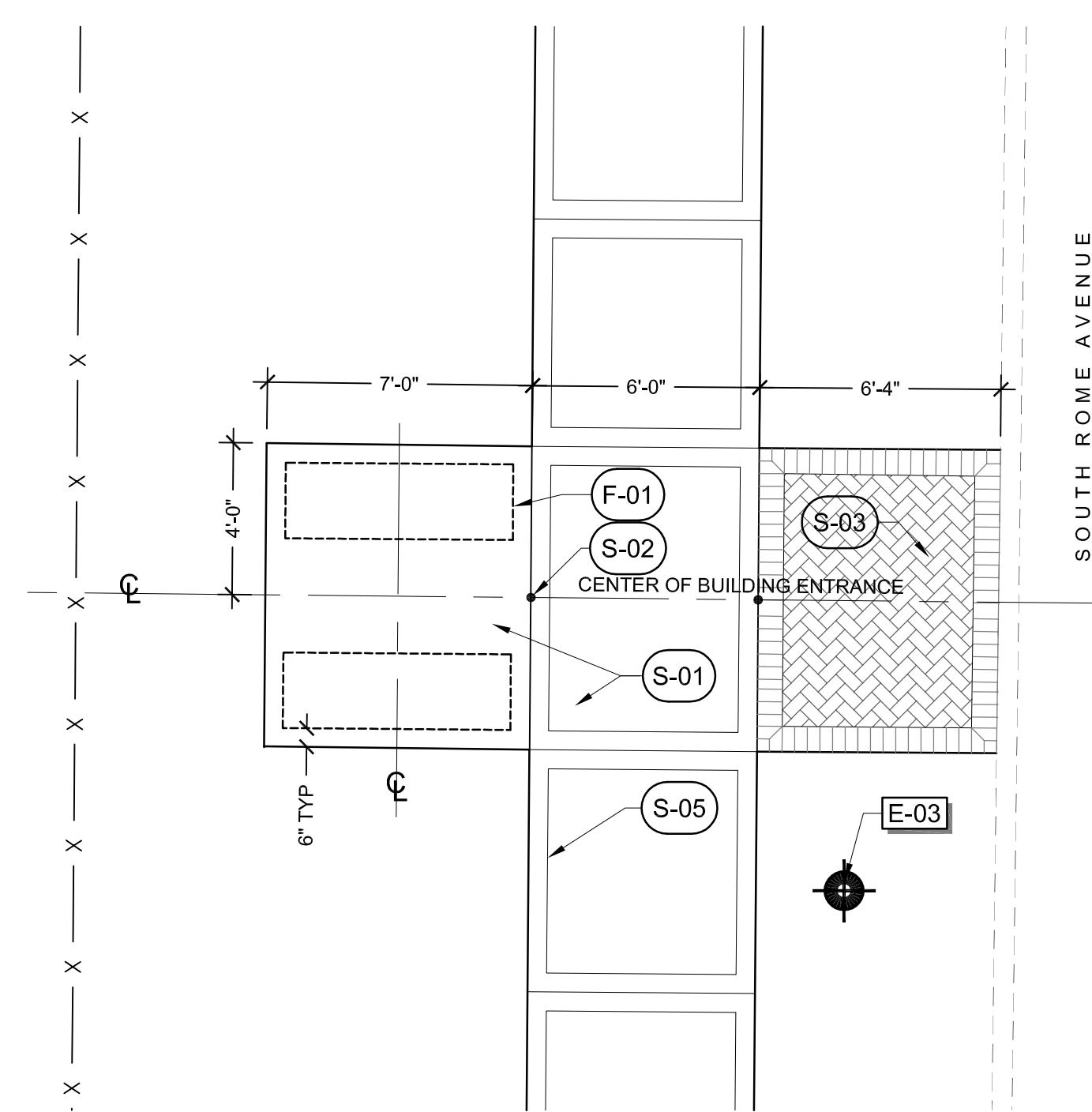
SYMBOL	ARCHITECTURAL DESCRIPTION
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SYMBOL	ELECTRICAL DESCRIPTION
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NOTES: CONTACT CITY OF TAMPA FOR FINAL LOCATIONS OF ALL TRAFFIC SIGNAGE.

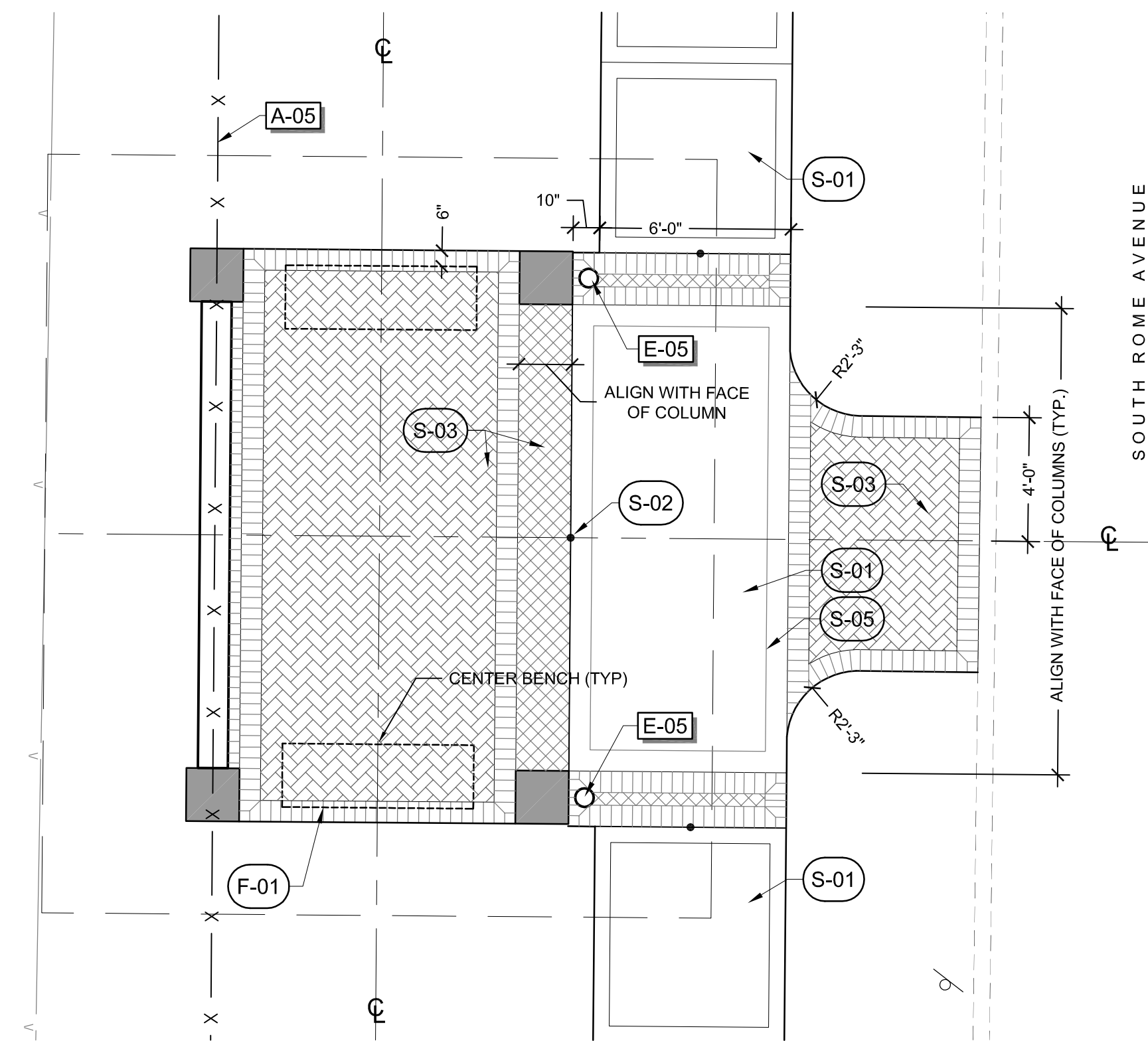




1 SWANN AVENUE & ROME AVENUE INTERSECTION - ENLARGEMENT AREA
1/4" = 1'-0"



2 SEATING @ 600 ROME AVE BUILDING - ENLARGEMENT AREA
1/4" = 1'-0"



3 ROME AVENUE PAVILION SEATING AREA - ENLARGEMENT PLAN
1/4" = 1'-0"

REFERENCE NOTES SCHEDULE

ARCHITECTURAL DESCRIPTION	
A-01	Brick/Stone Pier and Urn - See Architectural Plans
A-02	Swann Avenue Pavilion - See Architectural Plans
A-03	Corner Sign - See Architectural Plans
A-04	Bench and Backdrop Piers - See Architectural Plans
A-05	New Decorative Steel Fencing - See Architectural Plans
DEMOLITION DESCRIPTION	
D-07	Refer to Civil drawings for curb removal
ELECTRICAL DESCRIPTION	
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FURNISHINGS DESCRIPTION	
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F-04	Trash Receptacle - See Sheet L122/Detail #3 - owner provided contractor installed
F-05	Concrete Pad Area For Magazine Racks - Racks NIC
SITE IMPROVEMENTS DESCRIPTION	
S-01	Concrete Sidewalk - See Sheet L121/Detail #3 for Finish Information, Refer to Civil for other Information
S-02	Expansion Joint - See Civil Plans
S-03	Unit Paver on Concrete Base - See Sheet L121/Detail #4
S-05	Tooled Joint to Match Hyde Park Typical
S-06	Proposed relocated sign location - refer to number reference from demolition plans. See specifications for hardware modifications.
S-101	Accessible Curb Ramp at Swann and Rome - See Civil Plans



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**SWANN AVENUE
FOUNTAIN PARK**

CITY OF TAMPA
PUBLIC WORKS
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&
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CHECKED BY: DC
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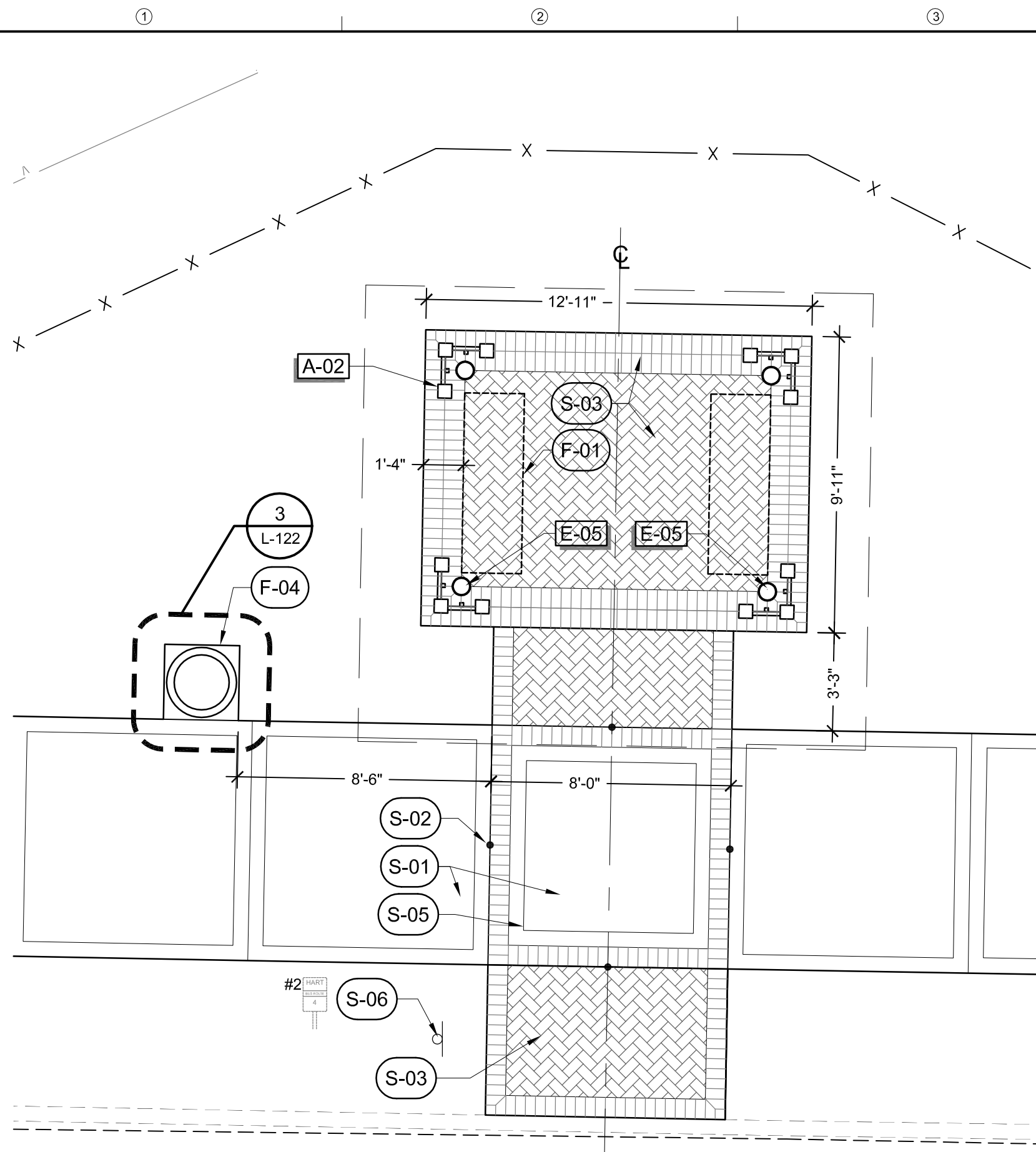
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CONSTRUCTION
DOCUMENTS**

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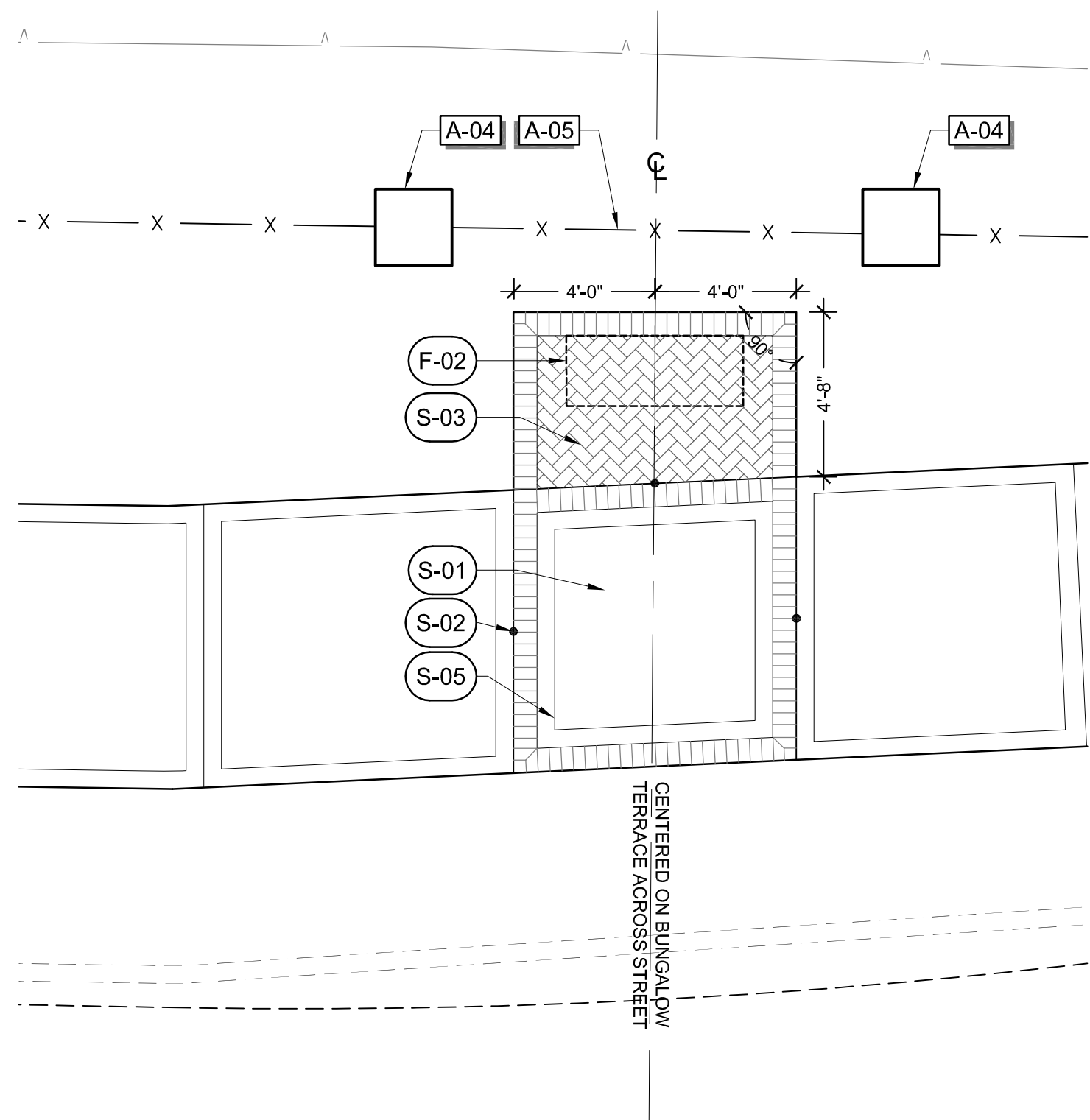
REVISIONS:

Drawing Title:
**HARDSCAPE
ENLARGEMENT
PLANS AND
DETAILS**

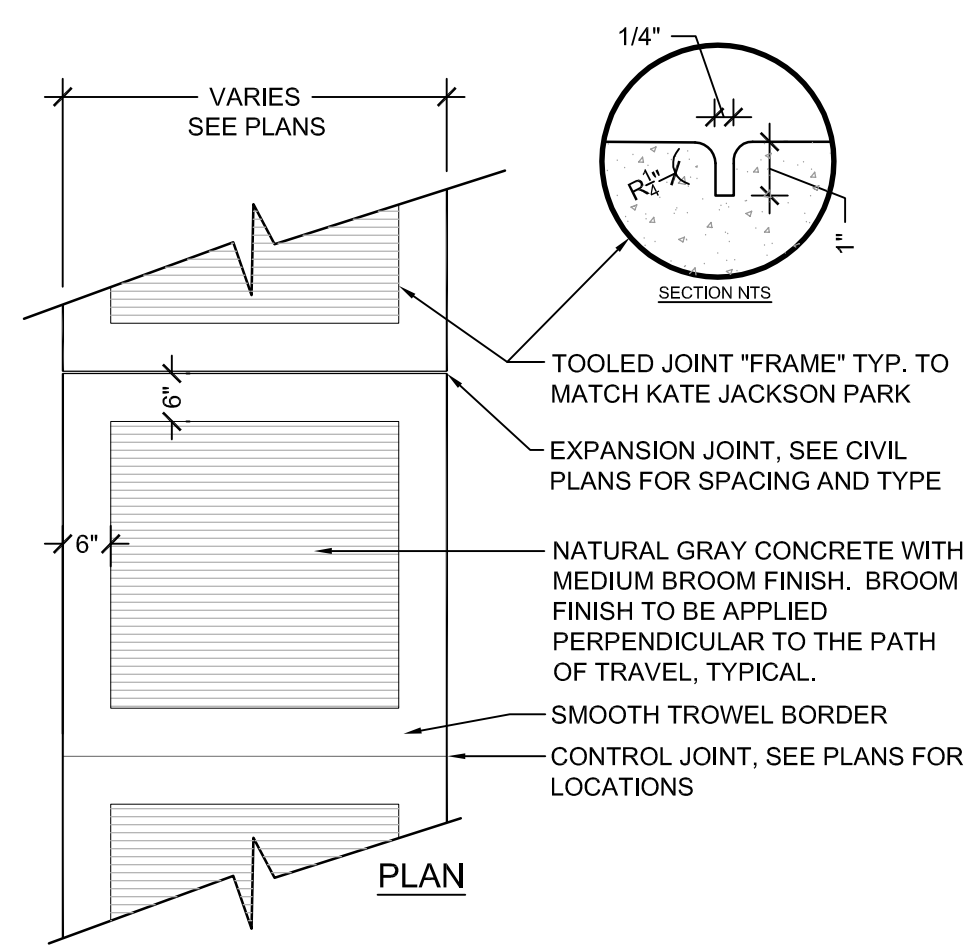
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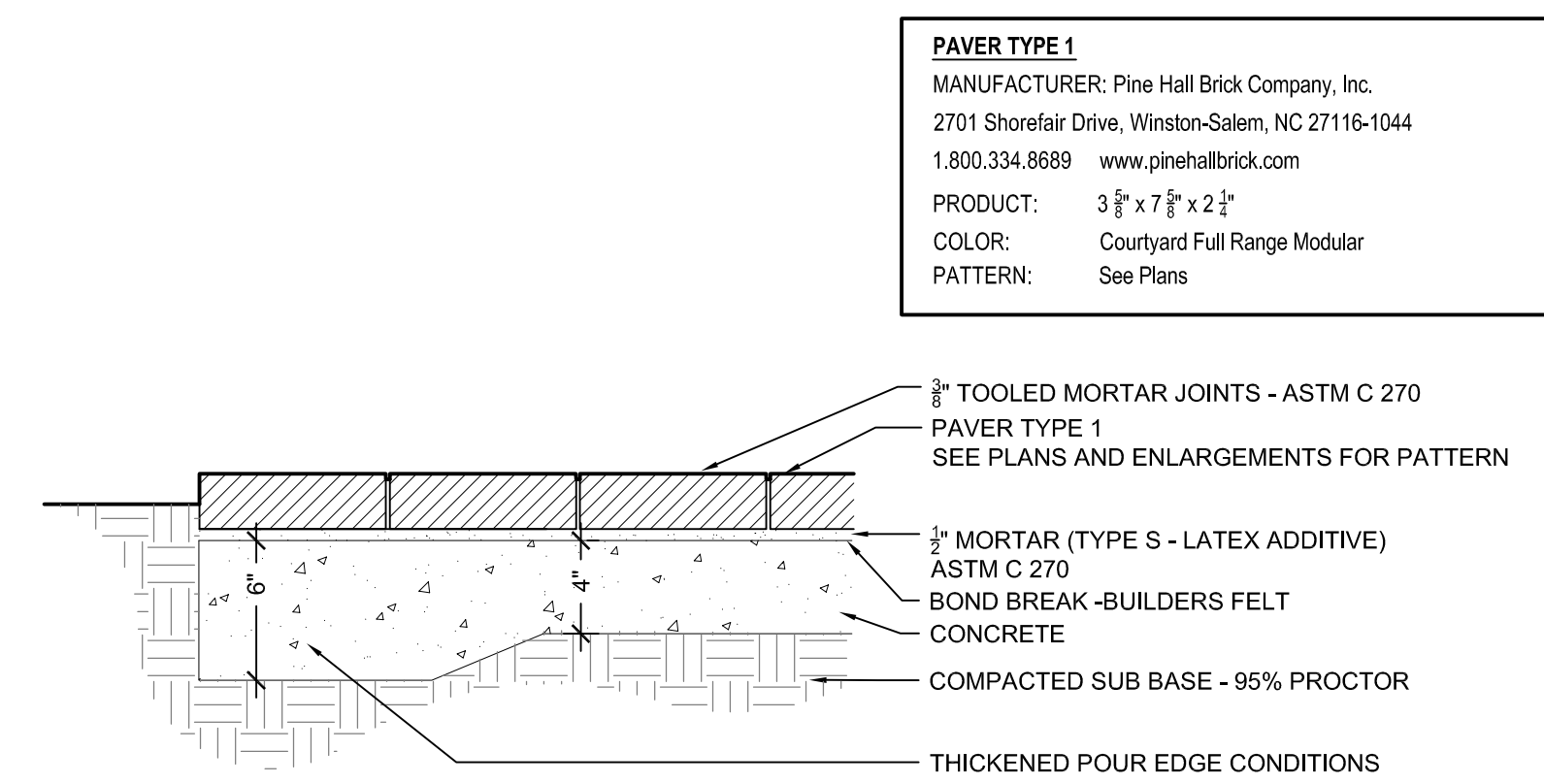
1 SWANN AVENUE PAVILION ENLARGEMENT AREA
1/4" = 1'-0"



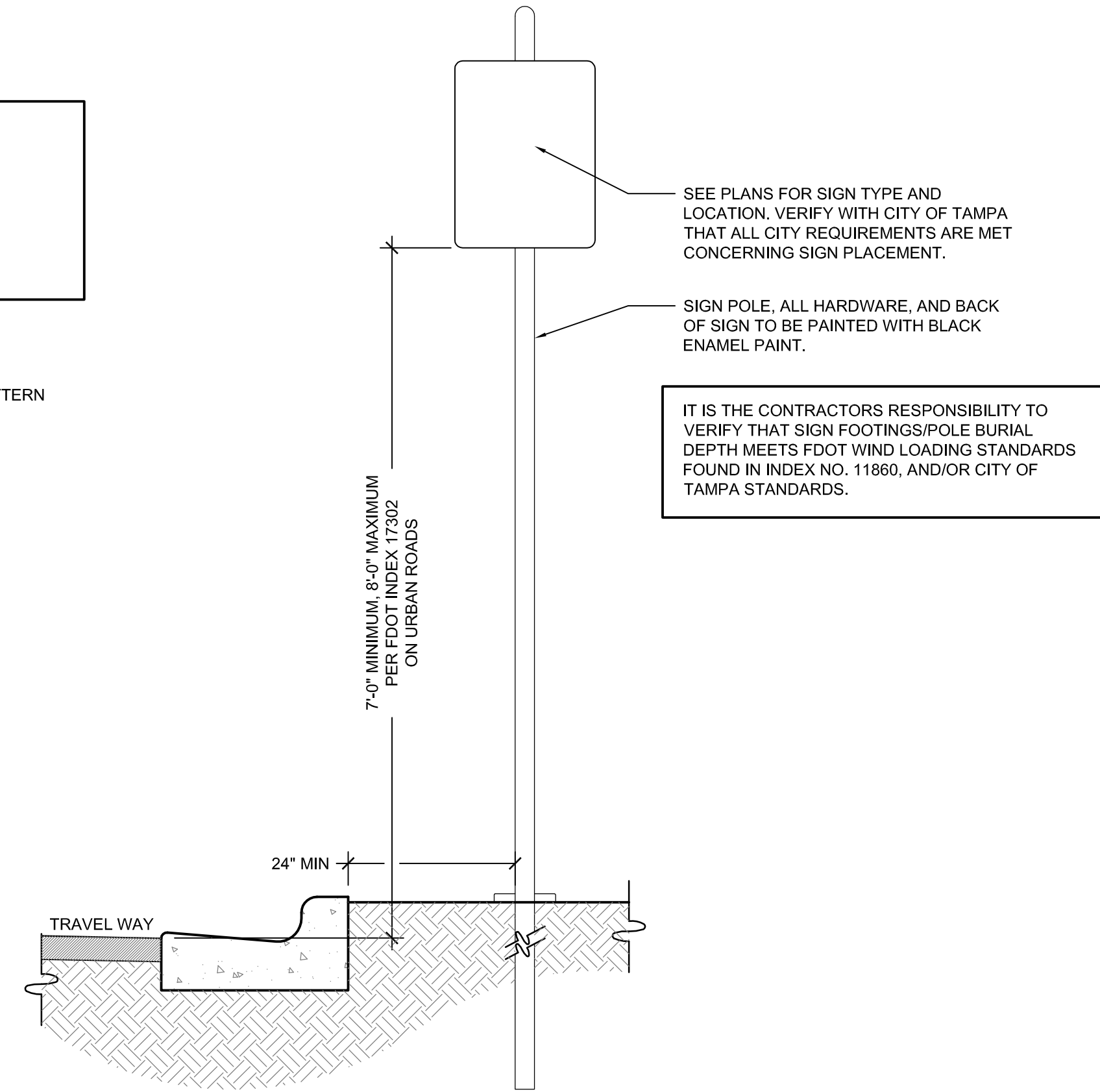
2 BENCH AND BACKDROP PIERS - ENLARGEMENT AREA
1/4" = 1'-0"



3 CONCRETE SIDEWALK
1/2" = 1'-0"



4 UNIT PAVER ON CONCRETE BASE
1 1/2" = 1'-0"



5 SIGN INSTALLATION DETAIL
3/4" = 1'-0"

REFERENCE NOTES SCHEDULE

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SWANN AVENUE FOUNTAIN PARK

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REVISIONS:

Drawing Title:
**HARDSCAPE
ENLARGEMENT
PLANS AND
DETAILS**

Drawing No.:
L121



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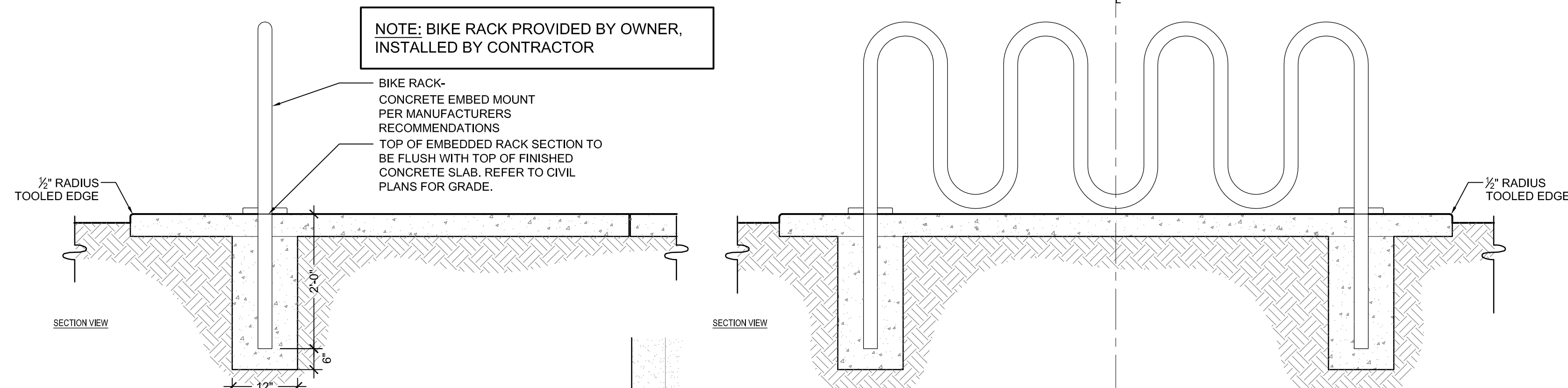
HARDSCAPE
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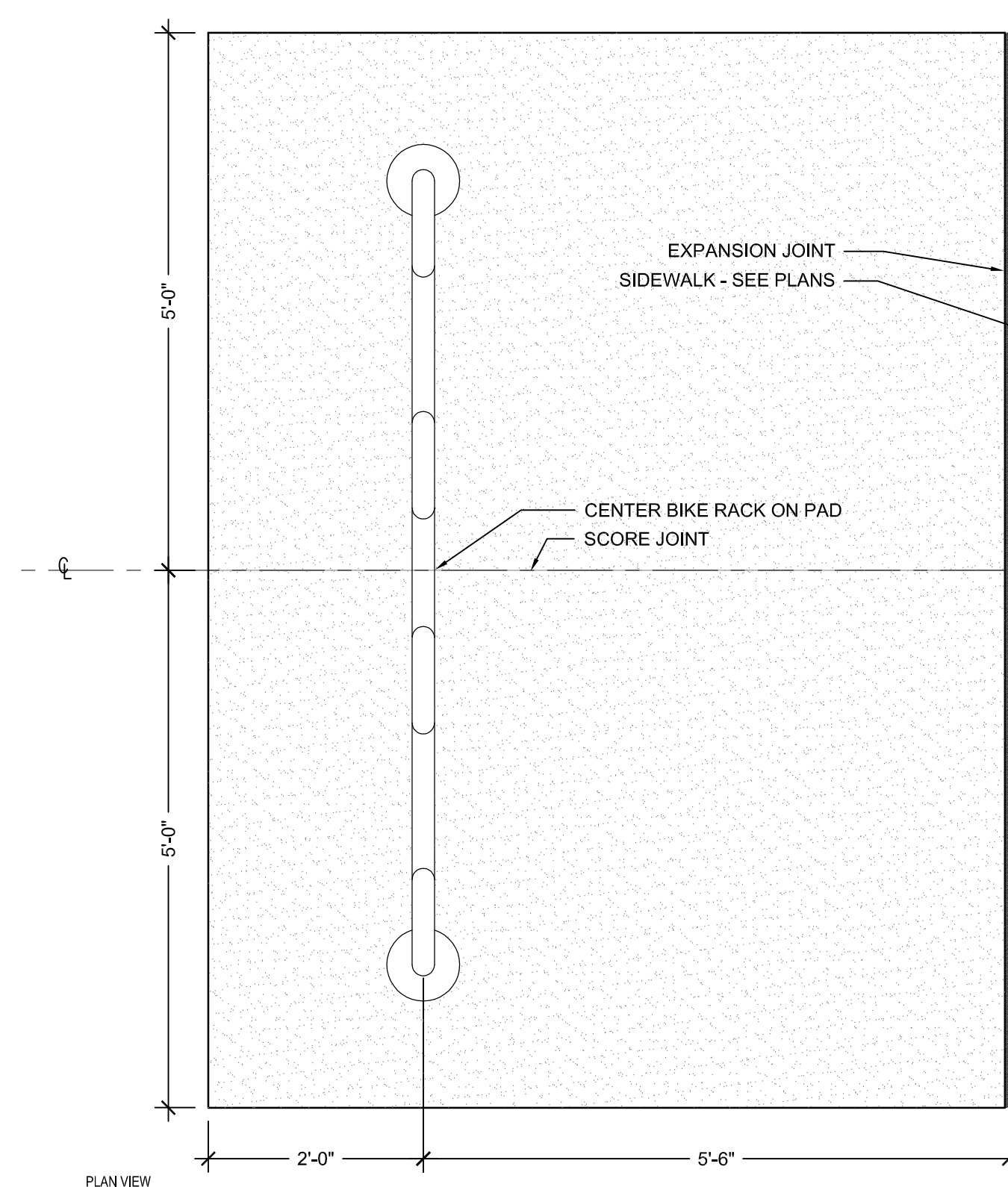
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REFERENCE NOTES SCHEDULE

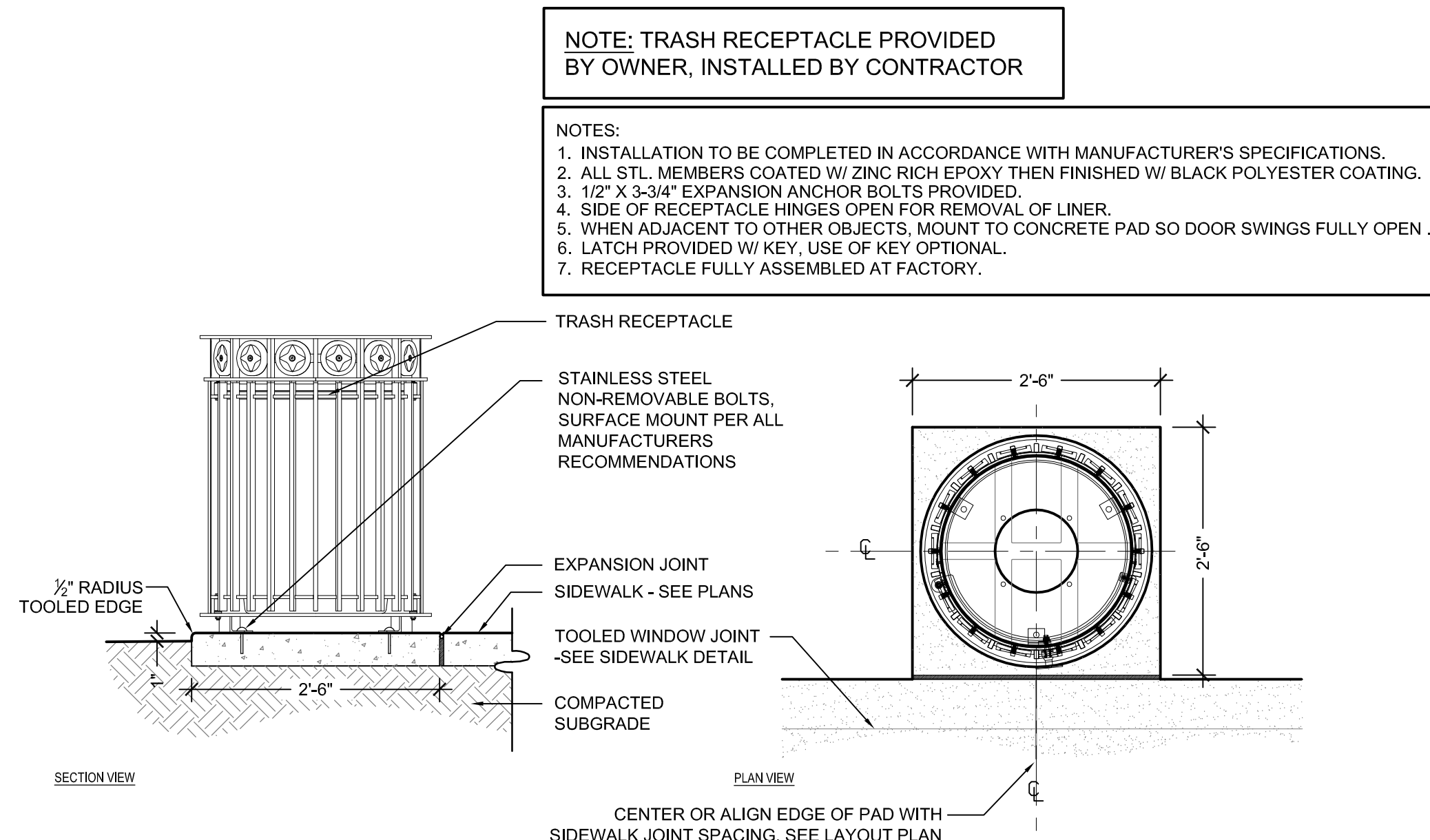
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NOTE: BIKE RACK PROVIDED BY OWNER, INSTALLED BY CONTRACTOR

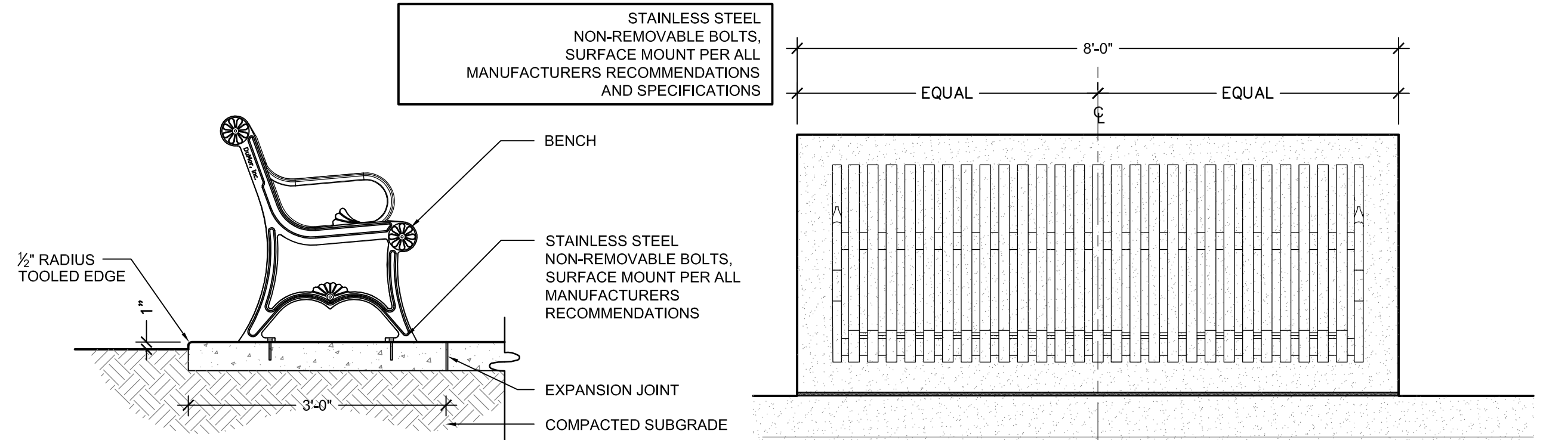


1 BIKE RACK ON CONCRETE PAD
3/4" = 1'-0"



NOTE: TRASH RECEPTACLE PROVIDED BY OWNER, INSTALLED BY CONTRACTOR

- NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ BLACK POLYESTER COATING.
 3. 1/2" X 3-3/4" EXPANSION ANCHOR BOLTS PROVIDED.
 4. SIDE OF RECEPTACLE HINGES OPEN FOR REMOVAL OF LINER.
 5. WHEN ADJACENT TO OTHER OBJECTS, MOUNT TO CONCRETE PAD SO DOOR SWINGS FULLY OPEN.
 6. LATCH PROVIDED W/ KEY, USE OF KEY OPTIONAL.
 7. RECEPTACLE FULLY ASSEMBLED AT FACTORY.



STAINLESS STEEL NON-REMOVABLE BOLTS, SURFACE MOUNT PER ALL MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS

STAINLESS STEEL NON-REMOVABLE BOLTS, SURFACE MOUNT PER ALL MANUFACTURERS RECOMMENDATIONS

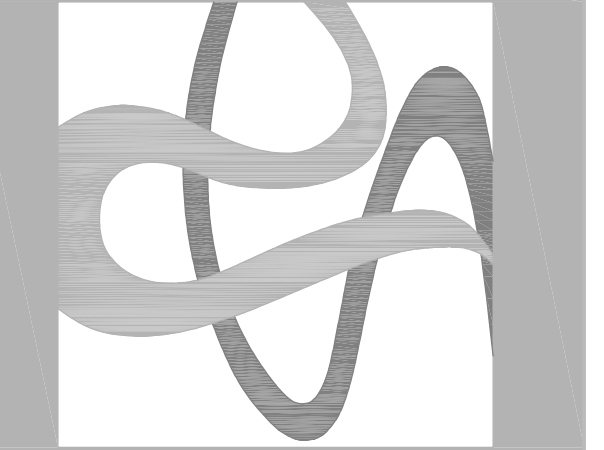
NOTE: PROVIDE A MIN. OF 3" FROM SURFACE MOUNT BOLTS TO EDGE OF CONCRETE PAD, TYPICAL. CENTER THE BENCH ON THE CONCRETE PAD, TYPICAL. MEET ADJACENT PAVEMENT FLUSH, TYPICAL.

THIS DETAIL SHOWS A BENCH AT ONE LOCATION IN THE PROJECT. REFER TO LAYOUT PLANS FOR OTHER LOCATIONS.

NOTE: BENCH PROVIDED BY OWNER, INSTALLED BY CONTRACTOR

2 6' BENCH ON CONCRETE PAD
3/4" = 1'-0"

3 TRASH RECEPTACLE ON CONCRETE PAD
3/4" = 1'-0"



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CAD File:

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2014-05-27

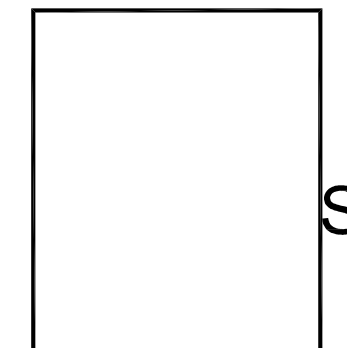
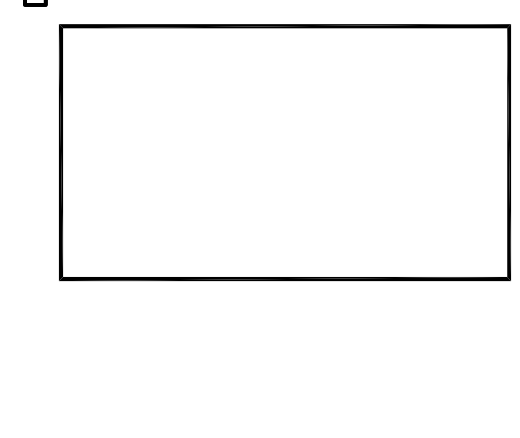
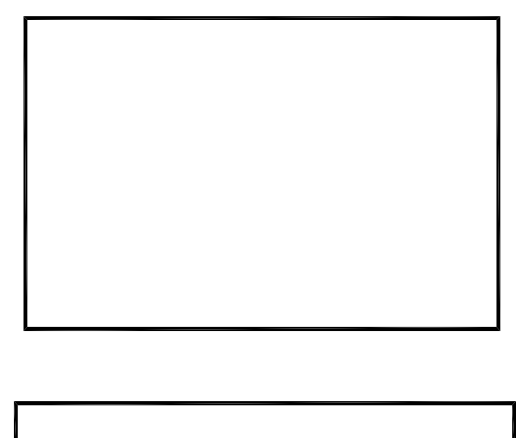
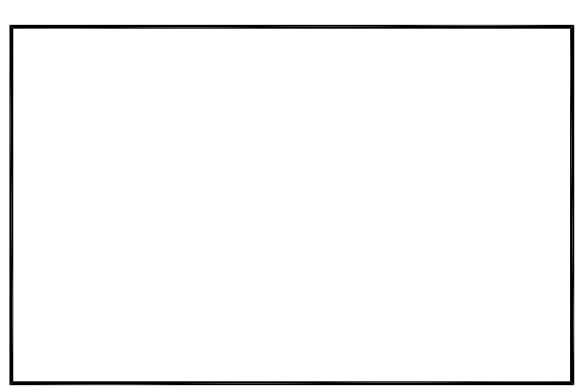
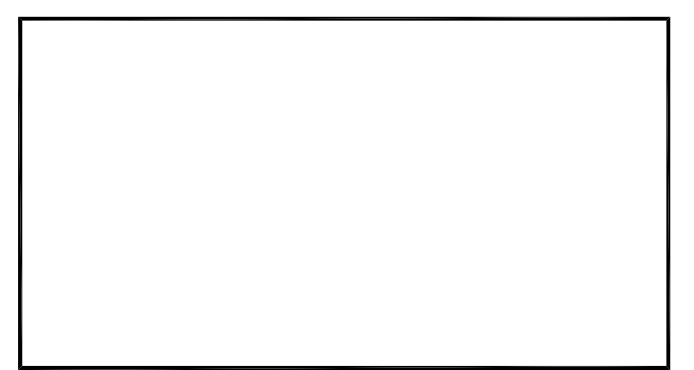
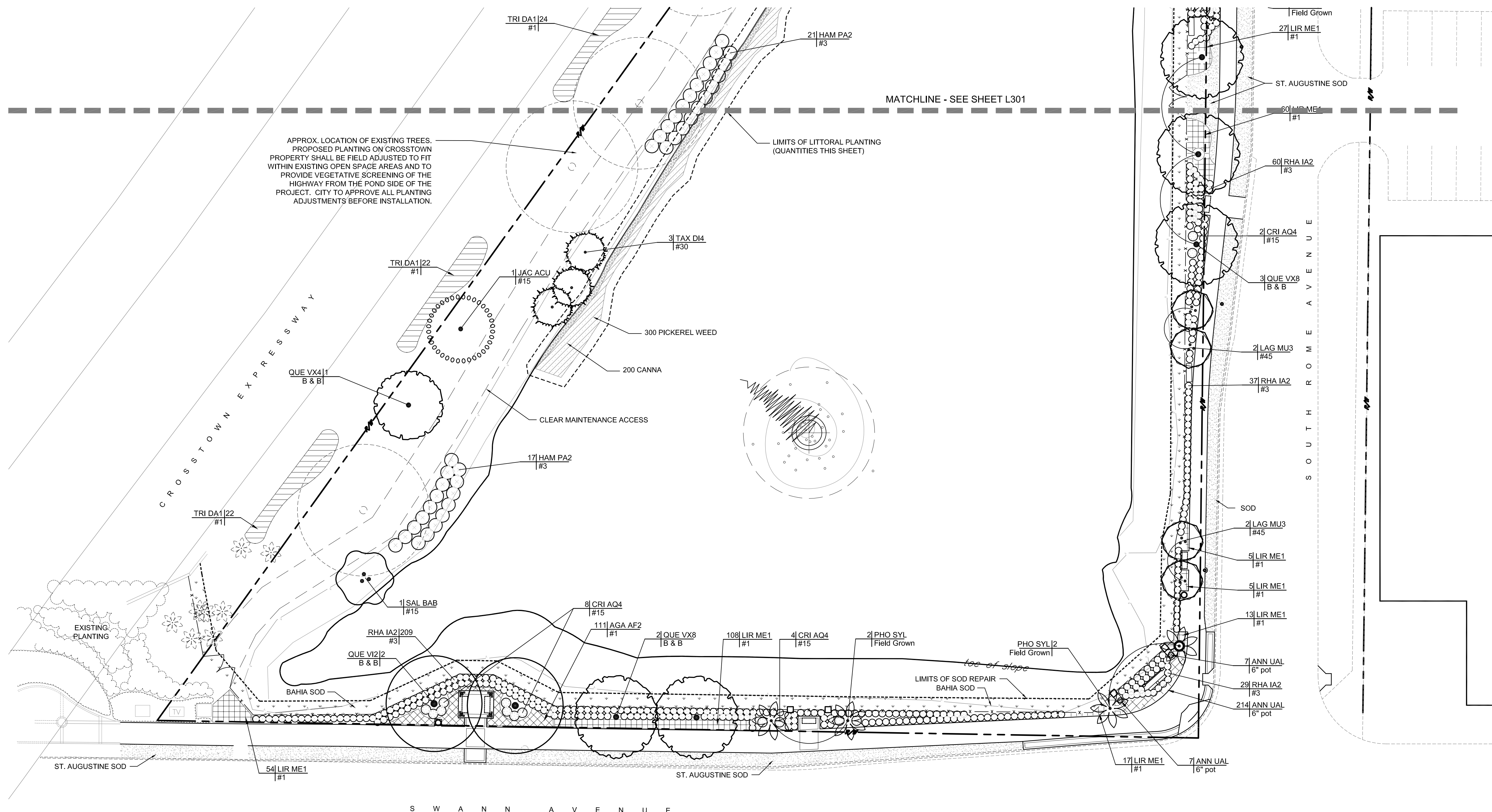
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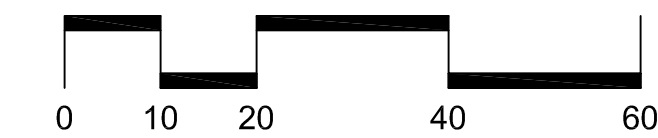
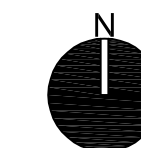
PLANTING PLAN

Drawing No.:

L300



SEE SHEET L301 FOR PLANT LIST



TECHNICAL MAINTENANCE PLAN

OPERATION	90 DAY MAINTENANCE WEEKLY CYCLE						CITY OF TAMPA COMMITMENT ON YEARLY CYCLE											
	1	2	3	4	5	6	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
WATERING	1	2	3	4	5	6												
WEEDING/LITTER PICKUP	X	X	X															
PRUNING																		
FERTILIZING																		
MOWING																		
EDGING																		
MULCHING																		

WATER APPLICATION RATES

Plant Type	Application Rate
Trees and Palms	Saturate to 3' depth. Flood/irrigate tree well.
Shrubs	5 gallons per plant, sprayed over entire planting bed.
Groundcovers/grasses	5 gallon per plant, sprayed over entire planting bed.

NOTE:
Water for filling trucks will be available at Swann Circle Park (reclaimed).

FERTILIZER APPLICATION RATES

Plant Type	Application Rate
Trees and Palms	Fertilizer per specifications shall be applied at time of planting and once annually.
Shrubs	Fertilizer per specifications shall be applied at time of planting and once annually.
Groundcovers/Grasses	Fertilizer per specifications shall be applied at time of planting and once annually.

TREE TABLES FOR DEBIT

Diameter (inches)	# Removed on Site	Multiplier for Debit	Debit
5"-7"	1	0	0
8"-12"	2	1	2
13"-19"	3	2	6
20"-29"	7	4	28
30" or more	0	Inch per Inch ²	0
All Palms	38	1	38
Total	49		74

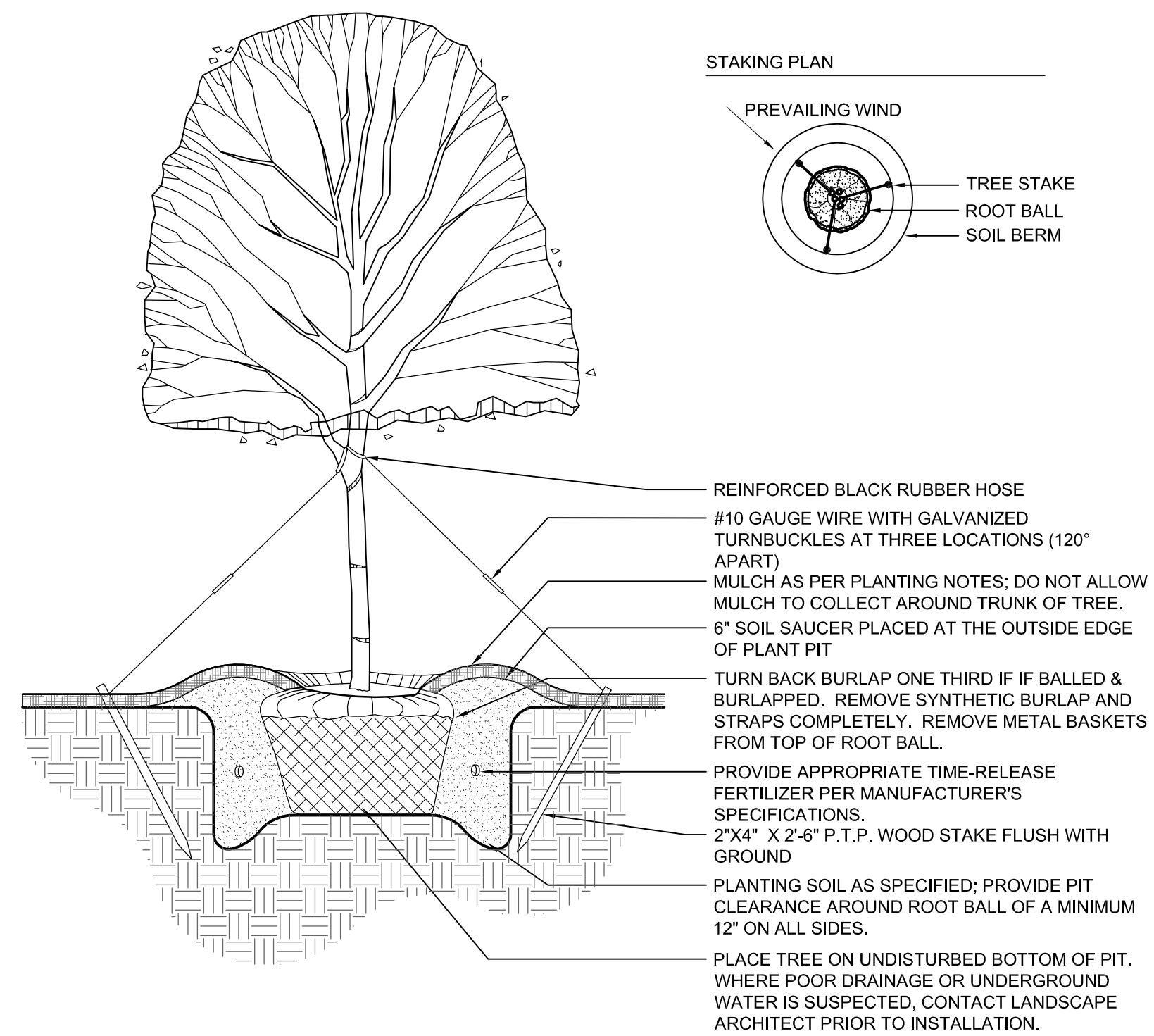
TREE TABLES FOR CREDIT AND DEBIT

Diameter (inches)	# Retained on Site	Multiplier for Credit	Credit
5"-7"	0	0	0
8"-12"	0	-1	0
13"-19"	0	-2	0
20"-29"	1	-4	-4
30" or more	0	-10	0
All Palms	8	-1	-8
Total	9		-12*

*negative indicates subtraction from total required trees

SUMMARY OF REQUIREMENTS

	Required Number of 2" Trees
Debit for trees removed	74
Credit for trees to be retained on site	-12
TOTAL TREES REQUIRED TO BE PLANTED	62
TOTAL TREES PROVIDED	78



1 TREE PLANTING DETAIL

NTS

PLANTING NOTES:

- REFER TO WRITTEN SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING PLANTING WORK INCLUDING BUT NOT LIMITED TO INSTALLATION PROCEDURES, SUBMITTALS, PRODUCT SPECIFICATIONS, QUALITY ASSURANCE, MAINTENANCE REQUIREMENTS AND PROJECT WARRANTY.
- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL FREE OF PESTS AND DISEASE.
- ALL PLANTS SHALL BE FLORIDA NO. 1 OR BETTER, AS GRADED IN FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS.
- ALL PLANTS ARE SUBJECT TO APPROVAL BY THE LANDSCAPE ARCHITECT AND OWNER, BEFORE, DURING AND AFTER INSTALLATION AS PER SPECIFICATIONS. PLANTS NOT MEETING SPECIFICATIONS SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH THE CONTRACT AT NO COST TO THE OWNER.
- ALL SINGLE-TRUNKED TREES SHALL BE STRAIGHT TRUNKED WITH ONE CENTRAL LEADER AND FULLY CROWNED.
- ALL TREES SHALL BE STAKED AND GUYED AS SHOWN IN PLANTING DETAILS.
- ALL MULCH PLANTING AREAS SHALL BE A MINIMUM OF 3" DEPTH.
- ALL PLANTING BEDS SHALL BE PREPARED PER SOIL MIX, AMENDMENTS, PRE-EMERGENT, AND OTHER ITEMS REQUIRED IN SPECIFICATIONS
- ALL TREES SHALL BE FREE OF OPEN WOUNDS AND WOUND SCARS IN THE CLEAR TRUNK AREA. ANY DAMAGED OR BROKEN LIMBS UNDER 1/8" DIAMETER TRUNK SHALL BE PROPERLY PRUNED WITH A CLEAN, SHARP PRUNING SHEAR. TREES WITH DAMAGED OR BROKEN LIMBS OVER 1/8" TRUNK DIAMETER SHALL BE REJECTED.
- SYNTHETIC BURLAP MUST BE TOTALLY REMOVED PRIOR TO INSTALLATION OF PLANT MATERIAL. IF NATURAL BURLAP IS USED, IT SHALL BE REMOVED FROM TOP 1/3 OF THE ROOTBALL. WIRE BASKETS SHALL BE REMOVED FROM THE TOP OF THE ROOTBALL. NYLON STRAPS USED TO PLACE TREES SHALL BE COMPLETELY REMOVED FROM THE ROOTBALL.
- ALL SHADE TREES SHALL HAVE A MIN. OF 7" CLEAR TRUNK OVER PEDESTRIAN WALKS.
- VERIFY ALL WRITTEN PLANT QUANTITIES PRIOR TO INITIATION OF THE WORK. IN THE EVENT THAT THE PLANS CONTRADICT THE PLANT LIST, THE PLANS RULE.
- CONTRACTOR SHALL BE FAMILIAR WITH AND ACCEPT THE EXISTING SITE CONDITIONS PRIOR TO INITIATION OF THE WORK. DEVIATIONS TO THE WORK CAUSED BY EXISTING CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DEVIATIONS REQUIRING A REDUCTION IN WORK SHALL BE CREDITED TO THE OWNER.
- CONTACT SUNSHINE 811 TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO INITIATION OF THE WORK. CONTRACTOR SHALL CAREFULLY HAND DIG AROUND UNDERGROUND UTILITIES LOCATED BY SUNSHINE, THE OWNER, OR ANY OTHER PERSON OR ENTITY WITH KNOWLEDGE OF UTILITIES IN THE AREA. THE CONTRACTOR IS NOT RESPONSIBLE FOR UNDERGROUND UTILITIES NOT INCLUDED ON THE PLANS OR NOT LOCATED BY SUNSHINE OR OWNER OF THE PROPERTY.
- COORDINATE LANDSCAPE WORK WITH THAT OF OTHER SUBCONTRACTORS ON THE PROJECT.
- DO NOT PROCEED WITH PLANT INSTALLATION PRIOR TO THE INSTALLATION AND OPERATION OF THE LANDSCAPE IRRIGATION SYSTEM.
- ANY DAMAGE TO INSTALLED WORK SHALL BE CORRECTED PRIOR TO ACCEPTANCE BY THE OWNER.

NOTES

REFER TO AND FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS

USE PRODUCT **RF3P** FOR DATE PALMS

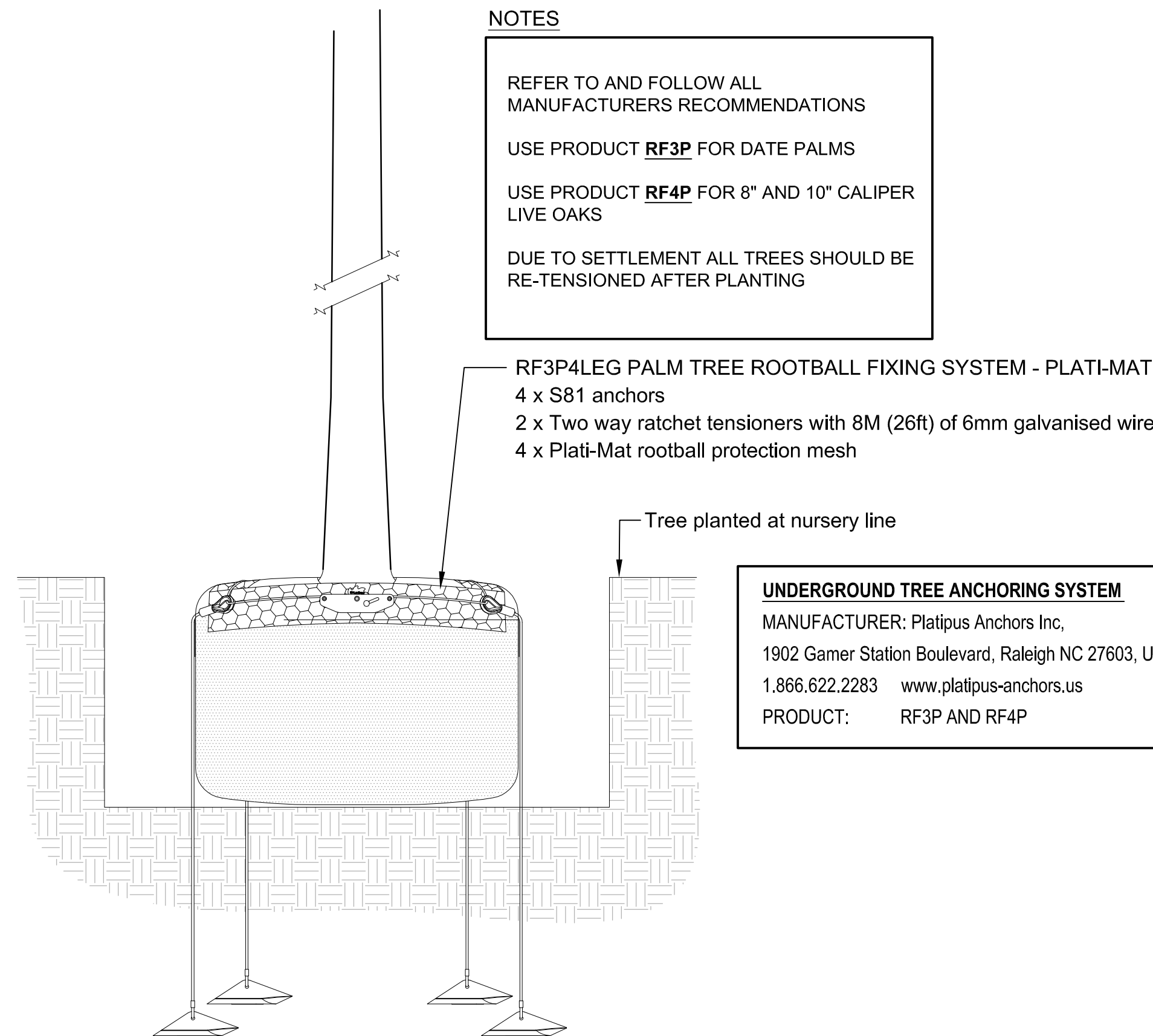
USE PRODUCT **RF4P** FOR 8" AND 10" CALIPER LIVE OAKS

DUE TO SETTLEMENT ALL TREES SHOULD BE RE-TENSIONED AFTER PLANTING

RF3P4LEG PALM TREE ROOTBALL FIXING SYSTEM - PLATI-MAT
4 x S81 anchors
2 x Two way ratchet tensioners with 8M (26ft) of 6mm galvanised wire
4 x Plati-Mat rootball protection mesh

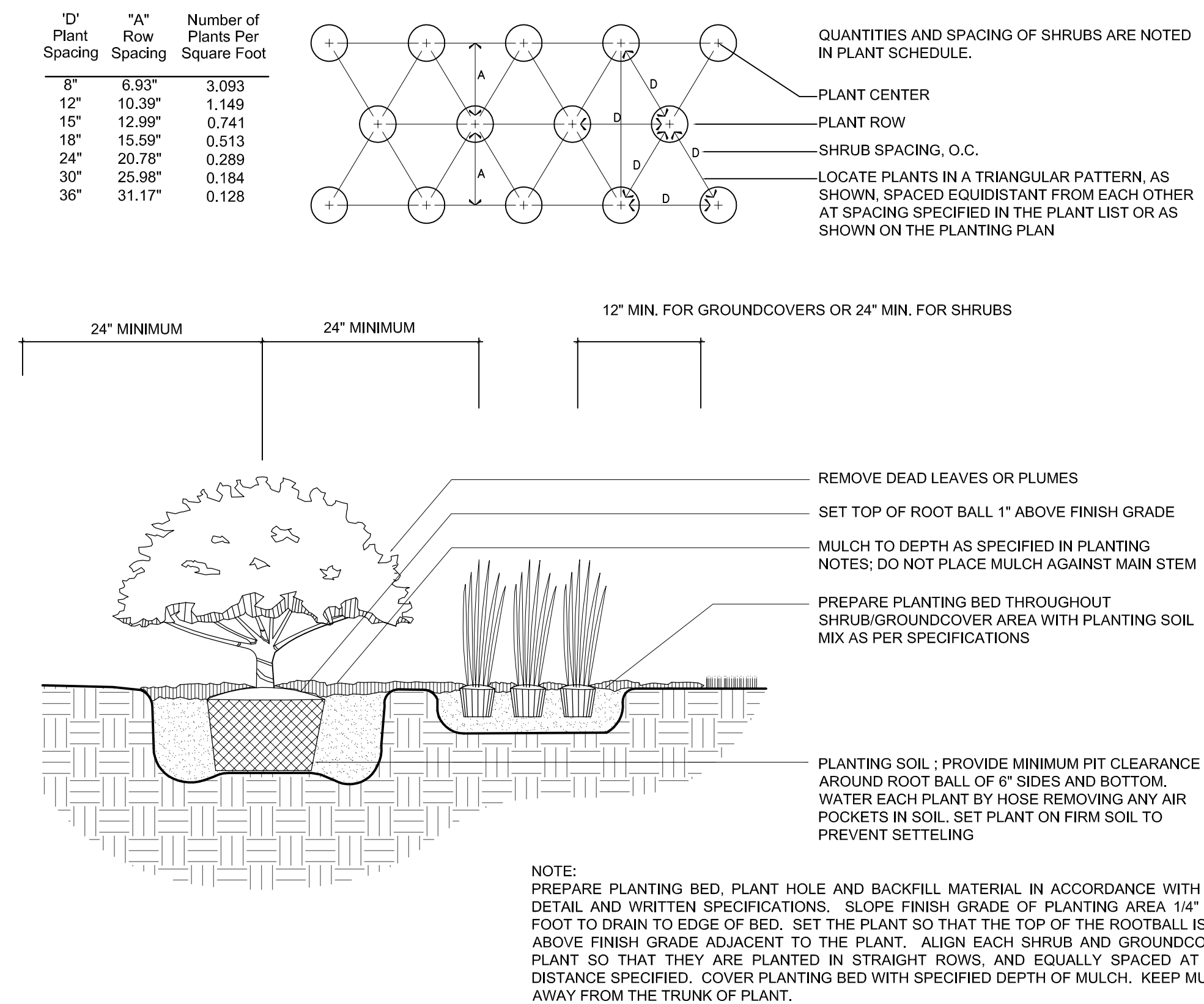
UNDERGROUND TREE ANCHORING SYSTEM

MANUFACTURER: Platipus Anchors Inc,
1902 Gamer Station Boulevard, Raleigh NC 27603, USA
1.866.622.2283 www.platipus-anchors.us
PRODUCT: RF3P AND RF4P



2 UNDERGROUND TREE ANCHORING SYSTEM

NTS



3 SHRUB AND GROUND COVER PLANTING DETAIL

NTS



SWANN AVENUE FOUNTAIN PARK

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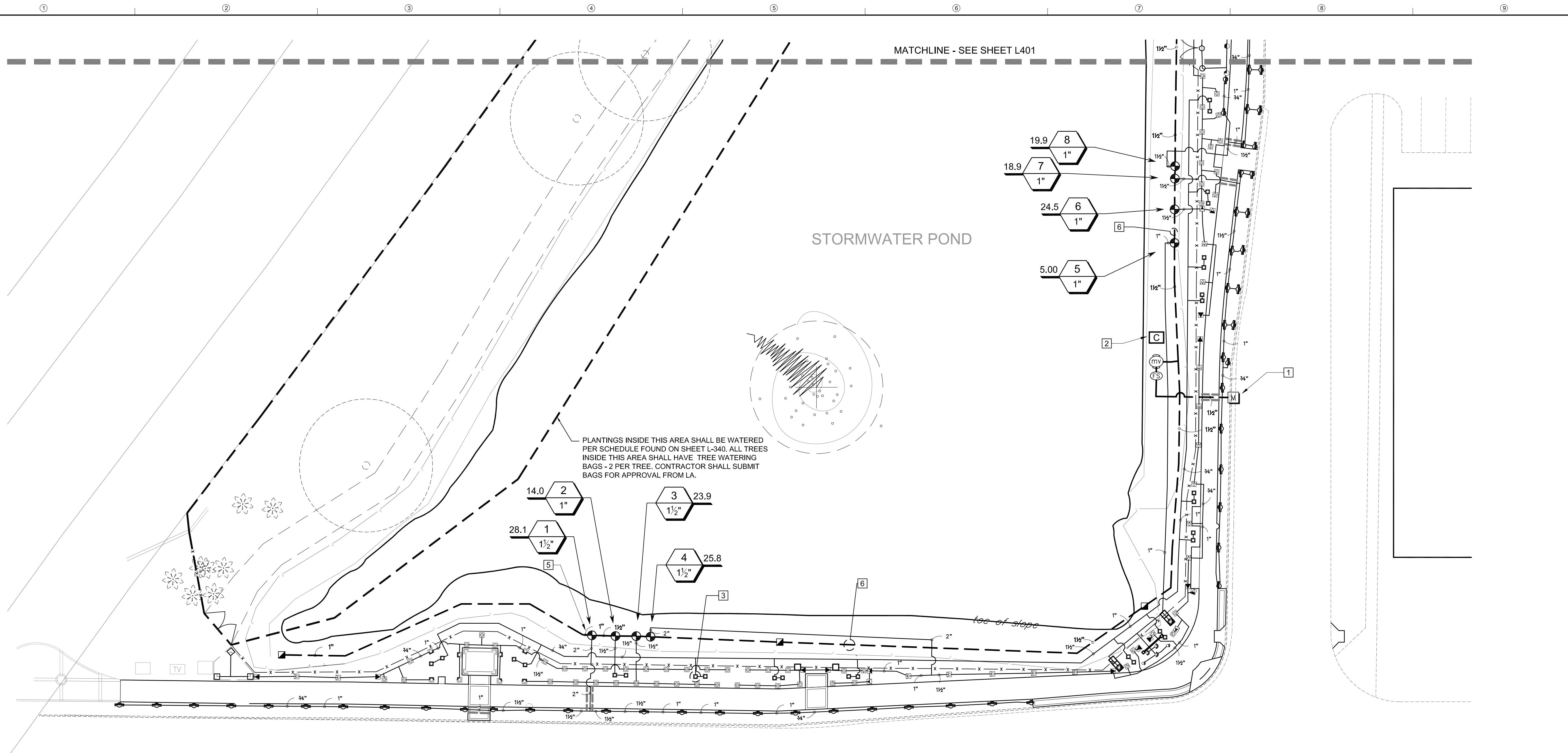
100% CONSTRUCTION DOCUMENTS

2014-05-27

REVISIONS:

Drawing Title:
PLANTING DETAILS AND NOTES

Drawing No.:
L340

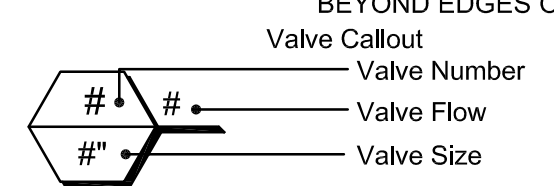


IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD RD-06-NP 15 STRIP SERIES TURF SPRAY, 6.0" POP-UP WITH NON-POTABLE COVER (PURPLE CAP). 1/2" NPT FEMALE THREADED INLET.	89
	RAIN BIRD RD-06-NP 8 SERIES MPR TURF SPRAY, 6.0" POP-UP WITH NON-POTABLE COVER (PURPLE CAP). 1/2" NPT FEMALE THREADED INLET.	1
	RAIN BIRD RD-06-NP 10 SERIES MPR TURF SPRAY, 6.0" POP-UP WITH NON-POTABLE COVER (PURPLE CAP). 1/2" NPT FEMALE THREADED INLET.	3
	RAIN BIRD RD-06-NP 12 SERIES MPR TURF SPRAY, 6.0" POP-UP WITH NON-POTABLE COVER (PURPLE CAP). 1/2" NPT FEMALE THREADED INLET.	2
	RAIN BIRD RD-12-NP 15 STRIP SERIES SHRUB SPRAY, 12.0" POP-UP WITH NON-POTABLE COVER (PURPLE CAP). 1/2" NPT FEMALE THREADED INLET.	34
	RAIN BIRD RD-12-NP 8 SERIES MPR SHRUB SPRAY, 12.0" POP-UP WITH NON-POTABLE COVER (PURPLE CAP). 1/2" NPT FEMALE THREADED INLET.	57
	RAIN BIRD RD-12-NP 10 SERIES MPR SHRUB SPRAY, 12.0" POP-UP WITH NON-POTABLE COVER (PURPLE CAP). 1/2" NPT FEMALE THREADED INLET.	45
	RAIN BIRD RD-12-NP 12 SERIES MPR SHRUB SPRAY, 12.0" POP-UP WITH NON-POTABLE COVER (PURPLE CAP). 1/2" NPT FEMALE THREADED INLET.	5
	RAIN BIRD RD-12-NP 15 SERIES MPR SHRUB SPRAY, 12.0" POP-UP WITH NON-POTABLE COVER (PURPLE CAP). 1/2" NPT FEMALE THREADED INLET.	5
	RAIN BIRD 1806-5 SERIES STREAM STREAM BUBBLER 6.0" POPUP.	7
	RAIN BIRD 1802-1400 FLOOD FLOOD BUBBLER 2.0" POPUP.	60

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD PESBR 1", 1-1/2", AND 2" DURABLE CHLORINE-RESISTANT VALVES FOR RECLAIMED WATER APPLICATIONS. WITH SCRUBBER MECHANISM TECHNOLOGY, AND PURPLE FLOW CONTROL HANDLE.	11
	RAIN BIRD PESBR 1-1/2" 1", 1-1/2", AND 2" DURABLE CHLORINE-RESISTANT VALVES FOR RECLAIMED WATER APPLICATIONS. WITH SCRUBBER MECHANISM TECHNOLOGY, AND PURPLE FLOW CONTROL HANDLE.	1
	MOTOROLA #IRINET-M AC 12 STATION CONTROLLER SEE SPECIFICATIONS AND DETAILS	1
	FLOW METER, 1" METER MASTER METER MULTI-JET W/ ELECTRICAL OUTPUT REGISTER (10 GPM RATE)	1
	WATER METER 1" RECLAIMED WATER / 28 GPM AT 60 PSI REQUIRED	1
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 / "PURPLE" PVC SCHEDULE 40 IRRIGATION PIPE. ONLY LATERAL TRANSITION PIPE SIZES 1" AND ABOVE ARE INDICATED ON THE PLAN, WITH ALL OTHERS BEING 3/4" IN SIZE.	3,943 L.F.
	IRRIGATION MAINLINE: PVC SCHEDULE 40 - "PURPLE"	835.1 L.F.
	PIPE SLEEVE: PVC SCHEDULE 40 TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE. PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.	48.0 L.F.

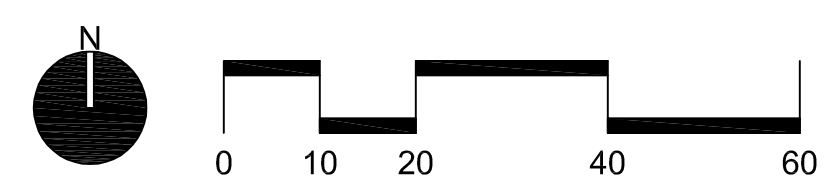
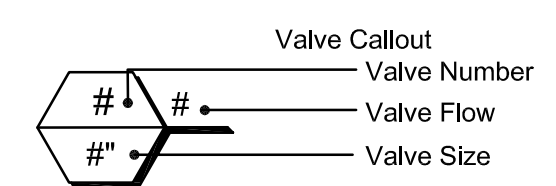


REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION
1	PROPOSED RECLAIMED WATER METER - COORDINATE LOCATION WITH OWNER
2	PROPOSED IRRIGATION CONTROLLER - COORDINATE LOCATION WITH OWNER
3	BUBBLERS FOR NEW TREES (TYP) REFER TO LANDSCAPE PLAN
4	VALVE LOCATIONS ARE DIAGRAMMATIC. INSTALL VALVES IN "LOW TRAFFIC" AREAS WITH A MIN. CLEARANCE OF 12" BETWEEN THE VALVE BOX AND ANY FENCE, WALL, SIDEWALK, PAVEMENT OR SODLINE
5	STUB OUT ONE SPARE (BLACK) WIRE FROM CONTROLLER IN EACH DIRECTION TO FURTHEST VALVE.
6	SHOWN FOR GRAPHIC CLARITY - INSTALL PIPE WITHIN TOP OF BANK
7	SHOWN FOR GRAPHIC CLARITY - INSTALL MAINLINE AND VALVES WITHIN PROPERTY LINE

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	PSI	PSI @ POC	GPM	PRECIP
1	RAIN BIRD PESBR	1-1/2"	TURF SPRAY	36.05	51.29	28.09	1.93 in/h
2	RAIN BIRD PESBR	1"	BUBBLER	35.26	41.84	14.00	n/a
3	RAIN BIRD PESBR	1-1/2"	SHRUB SPRAY	36.28	48.17	23.85	1.44 in/h
4	RAIN BIRD PESBR	1-1/2"	SHRUB SPRAY	36.34	49.46	25.78	2.01 in/h
5	RAIN BIRD PESBR	1"	BUBBLER	24.21	27.99	5.00	n/a
6	RAIN BIRD PESBR	1"	SHRUB SPRAY	37.11	45.67	24.49	1.33 in/h
7	RAIN BIRD PESBR	1"	TURF SPRAY	35.43	42.07	18.90	2.43 in/h
8	RAIN BIRD PESBR	1"	TURF SPRAY	35.61	42.61	19.85	2.14 in/h
9	RAIN BIRD PESBR	1-1/2"	TURF SPRAY	36.24	51.51	27.40	2.21 in/h
10	RAIN BIRD PESBR	1-1/2"	SHRUB SPRAY	34.82	47.97	24.52	1.39 in/h
11	RAIN BIRD PESBR	1"	BUBBLER	35.39	43.31	16.00	n/a



SWANN AVENUE FOUNTAIN PARK

CITY OF TAMPA
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DCA PROJECT NO.: 13-005
DRAWN BY: JGDC
CHECKED BY: DC
CAD File:

100%
CONSTRUCTION DOCUMENTS

2014-05-27

REVISIONS:

Drawing Title:

IRRIGATION PLAN

Drawing No.:

L400



**SWANN AVENUE
FOUNTAIN PARK**

CITY OF TAMPA
PUBLIC WORKS
DEPARTMENT
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DRAWN BY: JG/DC
CHECKED BY: DC
CAD File:

**100%
CONSTRUCTION
DOCUMENTS**

2014-05-27

REVISIONS:

Drawing Title:

**IRRIGATION
PLAN**

Drawing No.:

L401

IRRIGATION NOTES:

- City of Tampa Specs #02440 to be followed for irrigation materials and installation, and will supersede any conflicts between plans and specs.
- Irrigation system design requirements: 28 GPM @ a minimum of 60 PSI at each point of connection. The Irrigation Contractor shall verify the available GPM and PSI prior to installation of the system.
- Do not willfully install the irrigation system as shown on the drawings when it is obvious in the field that conditions exist that might not have been considered in the design process. For example: obstructions, grade differences, water levels, dimensional differences, etc. Refer to the Landscape Plan to avoid conflicts with proposed trees or shrubs.
- Piping may sometimes be indicated as being located in unlikely areas: i.e., under buildings or pavement, outside of property lines, in lakes or ditches, etc. This is done for graphic clarity only. Whenever possible, piping is to be installed in open, green areas.
- If required, the Irrigation Contractor shall provide the necessary "Right of Way" use permits.
- Pipe sizes shall conform to those on the drawings. Substituting with smaller pipe sizes will not be permitted. Minimum pipe size shall be 3/4". Maximum velocity shall be 4 FPS.
- Mainline is to be installed with a minimum of 18" depth of cover. Lateral lines are to be installed with a minimum of 12" depth of cover. Drip manifolds are to be installed with a minimum of 4" to 5" depth.
- Unless otherwise indicated, all sleeves are to be PVC Sch 40 and two (2) nominal sizes larger than the pipe to be sleeved. For example: The sleeve for a 2" pipe shall be 3". No irrigation sleeve shall be smaller than 2".
- Group remote control valves close to water source in 1 or 2 locations. All valves, flush valves and wire splices shall be installed in Rain Bird wide flanged, structural foam "plastic" valves boxes with "Purple" lids as follows:

Remote Control Valves	#VB-STD (16" w x 21" h x 12" h) std. rect. box
Isolation Gate Valves	#VB-7RND (9" dia. x 9" h) 7" round box
Wire Splices	#VB-1ORND (13" dia. x 10" h) 10" round box
- Refer to Valve Designation Symbols for controller, station number and designed flow rate for each remote control valve.
- The wire from the Master Meter to the Irrigation Controller must be Rain Bird 14-2 Maxi-com cable. No splices shall be made in the Maxi-com cable. Maxi-com cable to be run under the irrigation mainline or in a PVC Sch. 40 conduit.
- All 24 volt control cable to be UL Listed, single strand, type UF 600 Volt control cable. Size and color as follows:

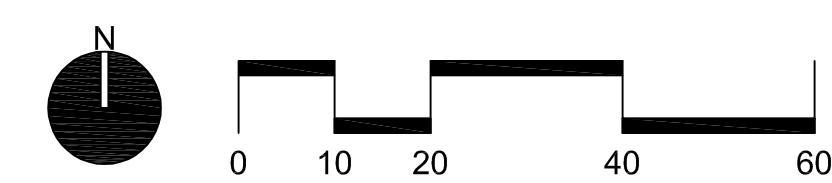
Common Wires	- size AWG #12 or larger and WHITE in color.
Hot Wires	- size AWG #14 or larger and RED in color.
Spare Wires	- size AWG #14 or larger and BLACK in color.
Master Valve	- size AWG #14 or larger and BLUE in color.
- All splices to the 24 volt control wiring shall be made with King grease filled 24-600 volt, direct bury splice kits.
- All control valve wires shall be bundled and taped together at 20' intervals and placed along the underside of the mainline pipe.
- All pop-up sprinkler heads shall be installed level and flush to grade. Mount all sprinklers on flexible connections as follows:

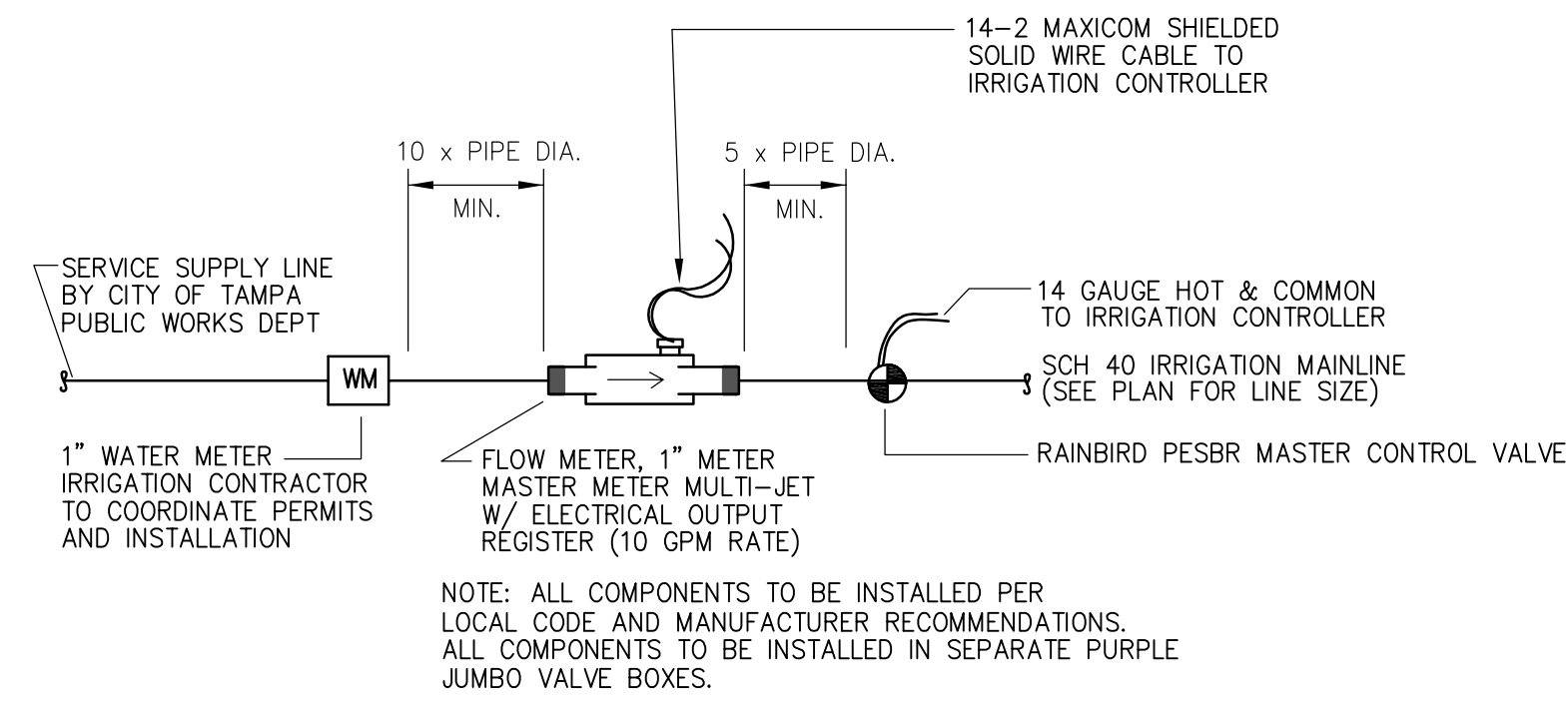
1/2" inlet spray heads	1 8' of Heavy Wall PVC IPS Hose
3/4" inlet rotor heads	1 8' of Heavy Wall PVC IPS Hose
- Exact controller location(s) shall be coordinated with an Owner's Representative prior to installation. Unless otherwise stated, the Irrigation Contractor shall provide the electric meters and 110 volt service to the controller location(s).
- At each irrigation controller, install a "secondary surge arrester" to the incoming (120 volt) power supply (Intermatic #AG2401 or equal) and ground rod < 10 meg.
- The IRRIGATION CONTRACTOR shall prepare a digitally reproducible AS-BUILT drawing detailing the actual installation of the irrigation system. The AS-BUILT drawings shall locate all main line piping, control wires, wire splices, sleeves and valves by showing exact measurements from permanent features (buildings, edge of pavement, power poles, fire hydrants, etc.). Include depth of cover on mainline and sleeves.
- No product substitutions will be permitted without the written permission of the Owner's Representative. Irrigation Contractor to provide submittals to the Owner's Representative for approval prior to installation.
- Any other equipment required that is not otherwise detailed or specified shall be installed as per manufacturer's recommendations and local code.
- The Contractor is responsible for permitting and installation of all water meters and electric meters. System shall be transferred to the City of Tampa upon acceptance of the system.

CROSTOWN EXPRESSWAY

PLANTINGS INSIDE THIS AREA SHALL BE WATERED PER SCHEDULE FOUND ON SHEET L-340. ALL TREES INSIDE THIS AREA SHALL HAVE TREE WATERING BAGS - 2 PER TREE. CONTRACTOR SHALL SUBMIT BAGS FOR APPROVAL FROM LA.

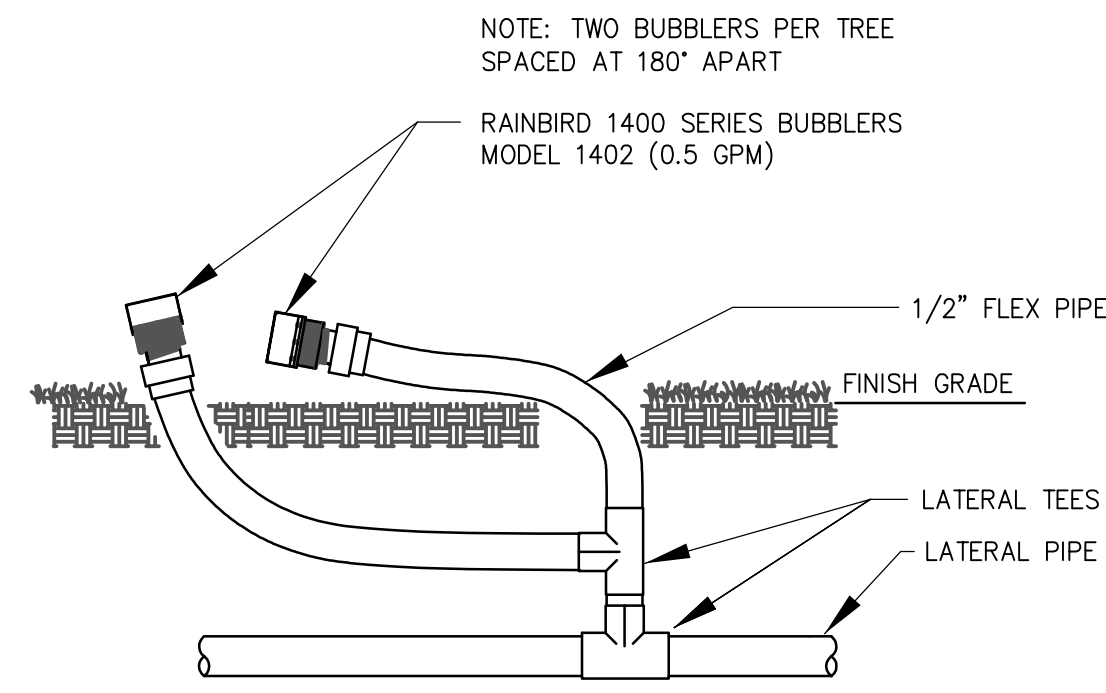
MATCHLINE - SEE SHEET L400





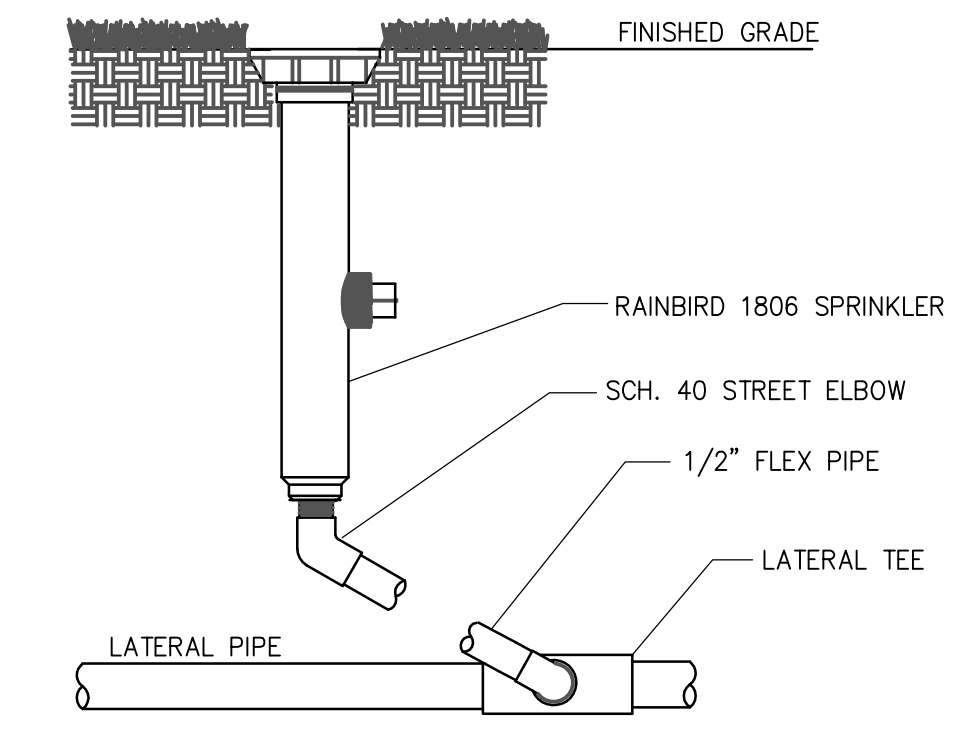
METER ASSEMBLY SCHEMATIC

NTS



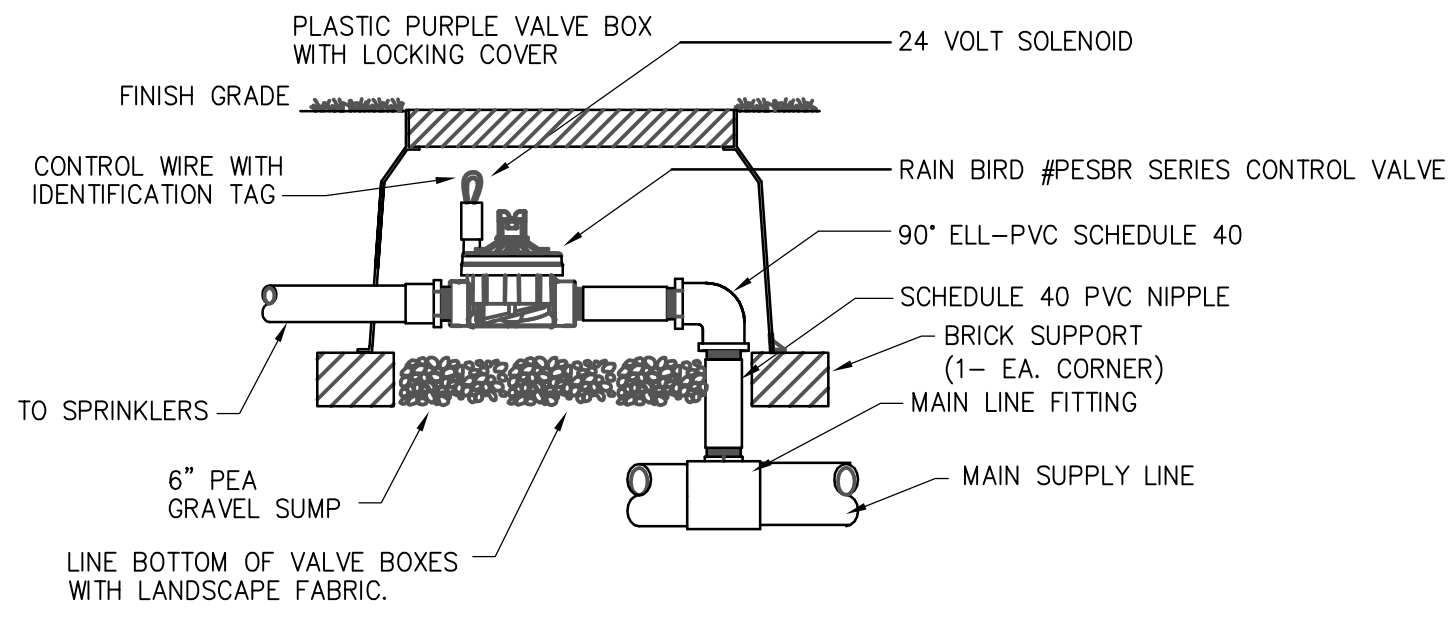
RAINBIRD 1400 SERIES BUBBLER

NTS



POP-UP SPRAY HEAD

NTS



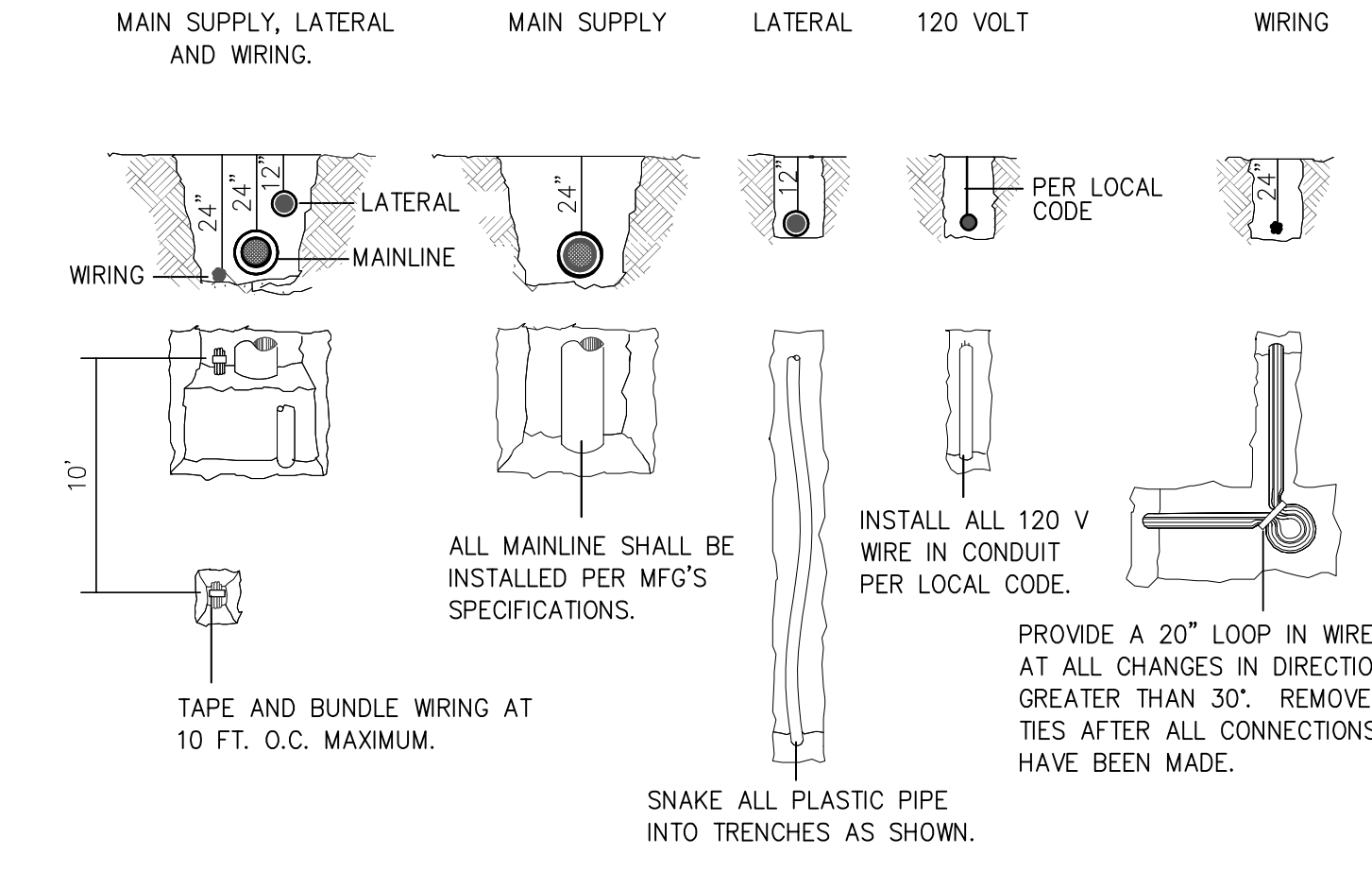
REMOTE CONTROL VALVE

NTS

IRRIGATION ZONE DEMAND GALLONS PER MINUTE (GPM)	SUPPLY MANIFOLD PIPE SIZE END AND CENTER FEED	EXHAUST MANIFOLD PIPE SIZE W/END FEED SUPPLY LINE	EXHAUST MANIFOLD PIPE SIZE W/END FEED SUPPLY LINE (TWO EXHAUST MANIFOLDS REQ'D)
0 - 6	3/4"	3/4"	3/4"
7 - 11	1"	1"	3/4"
12 - 26	1 1/2"	1 1/2"	1 1/4"
27 - 42	2"	2"	1 1/4"
43 - 60	2 1/2"	2 1/2"	2"
61 - 90	3"	3"	2"

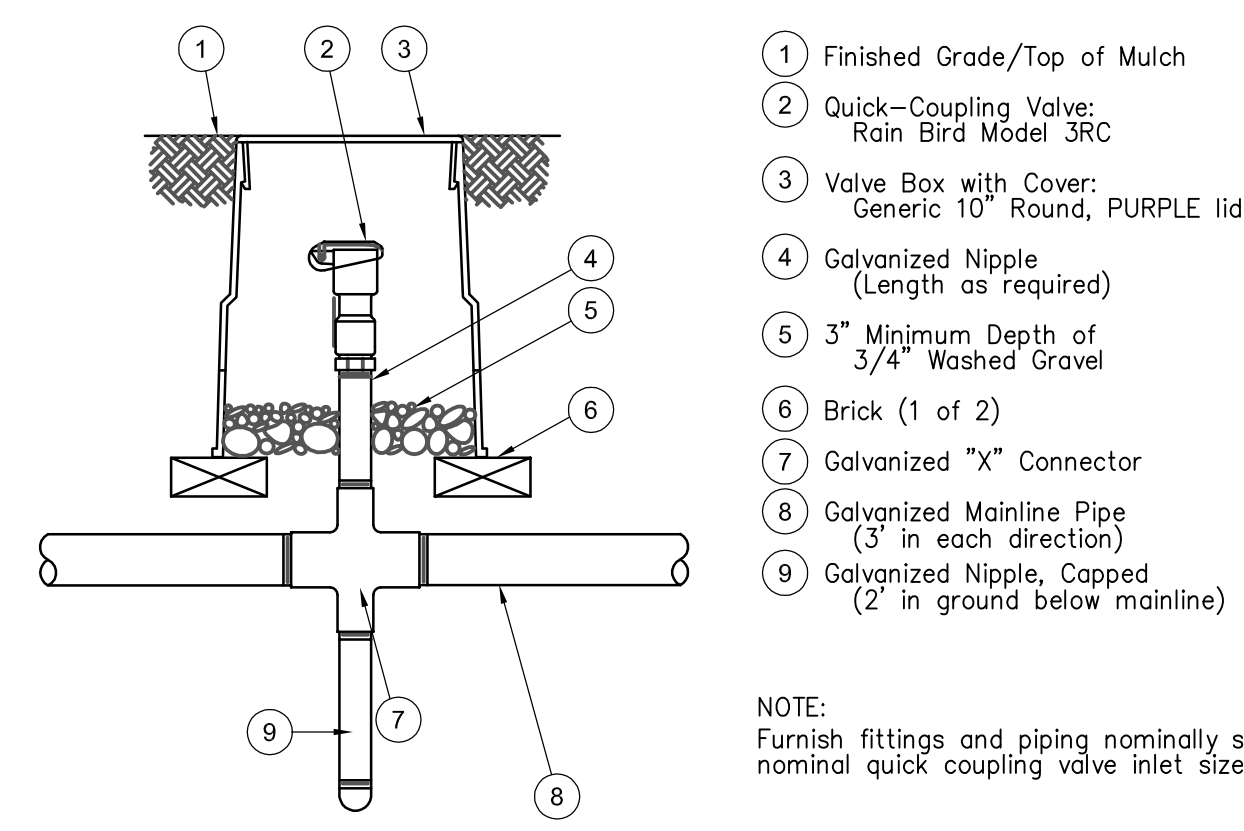
REFER TO EACH DRIPLINE IRRIGATION ZONE ON PLAN DRAWINGS FOR ZONE GPM

DRIPLINE SUPPLY AND EXHAUST MANIFOLD PIPE SIZE TABLE



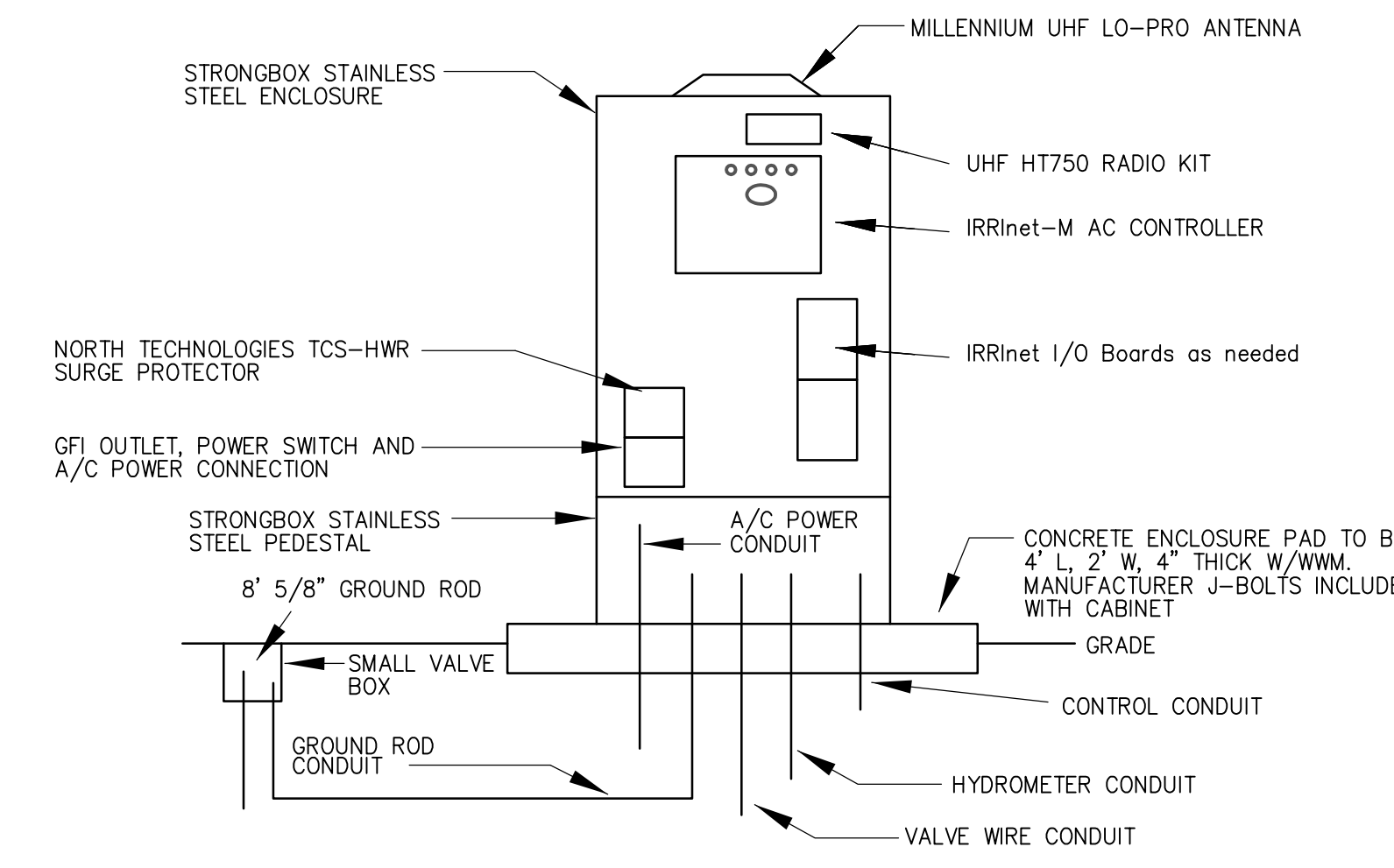
TRENCH DETAIL

NTS



RAINBIRD QUICK COUPLER VALVE 3RC

NTS



IRRinet-M AC CONTROLLER

NTS

- CONTROLLER SHALL BE A 12 STATION MOTOROLA AC IRRinet CONTROLLER ASSEMBLY WITH UHF HT750 EXTERNAL RADIO KIT. UNIT SHALL BE MOUNTED IN A STRONGBOX SB-18SS STAINLESS STEEL ENCLOSURE WITH PEDESTAL. ASSEMBLY SHALL INCLUDE UHF DOME ANTENNA KIT AND 12 STATION TERMINAL SET. INSTALLATION SHALL INCLUDE ASSEMBLY, HOT TEST (IN SHOP), RADIO PROGRAMMING AND OPTIMIZATION.
- CONTACT CENTRAL CONTROL SYSTEMS, LTD - MARJIE GIEBEL
P.O. BOX 8683 WOODLAND, CA 95776-8683
PH 530-662-6841
FAX 530-662-3776
E-MAIL: CCS@CONTROLSYSTEMS.COM FOR PURCHASE INFORMATION.
- CONTROLLER TO BE LOCATED NEAR EXISTING WATER METER. CONFIRM WITH PARKS AND RECREATION IRRIGATION SUPERVISOR PRIOR TO INSTALLATION.
- ALL WIRES NOT UNDER MAINLINE TO BE IN CONDUIT AND LOOSE.
- WIRES BURIED UNDER MAINLINE ARE TO BE BUNDLED AND TAPED AT 20 FOOT INTERVALS.



SWANN AVENUE FOUNTAIN PARK

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DRAWN BY: JG/DC
CHECKED BY: DC
CAD File:

100% CONSTRUCTION DOCUMENTS

2014-05-27

REVISIONS:

Drawing Title:

IRRIGATION DETAILS

Drawing No.:

L440

GENERAL NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND SHALL ALSO COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF LOCAL AND STATE LAWS AND ORDINANCES.
2. CONTRACTOR SHALL MAKE A THOROUGH EXAMINATION OF THE SITE AND THE CONTRACT DOCUMENTS. NO CLAIM FOR EXTRA COMPENSATION WILL BE RECOGNIZED IF DIFFICULTIES ARE ENCOUNTERED WHICH AN EXAMINATION OF SITE CONDITIONS AND CONTRACT DOCUMENTS PRIOR TO EXECUTING CONTRACT WOULD HAVE REVEALED.
3. ELECTRICAL CONTRACTOR SHALL ARRANGE FOR ALL NECESSARY PERMITS, LICENSES, UTILITY COORDINATION, AND INSPECTIONS AS REQUIRED BY THE CITY OR UTILITY COMPANY. OWNER WILL PAY FEES. CONTRACTOR IS RESPONSIBLE FOR ALL EQUIPMENT REQUIRED BY UTILITY COMPANY AND SHOULD INCLUDE NECESSARY COSTS IN BID.
4. CONTRACTOR SHALL LEGIBLY MARK-UP A SET OF 24"x36" DRAWINGS TO REFLECT AS-BUILT CONDITIONS, AND TURN OVER TO ARCHITECT.
5. THE ELECTRICAL INSTALLATION SHALL COMPLY WITH THE 2008 EDITION OF THE NATIONAL ELECTRIC CODE.

WIRE/RACEWAY:

1. WIRE AND CABLE FOR BRANCH CIRCUITS AND FOR FEEDERS SHALL BE 600 VOLT TYPE THHN/THWN COPPER ONLY, UNLESS OTHERWISE INDICATED ON THE DRAWINGS. MINIMUM SIZE FOR POWER AND LIGHTING BRANCH CIRCUITS SHALL BE #12. INCREASE CONDUCTOR SIZE BASED ON LENGTH OF RUN AS INDICATED BELOW. ALL BRANCH CIRCUIT WIRING TO 120 VOLT LIGHTING FIXTURES AND RECEPTACLES SHALL BE AS FOLLOWS:
 MAXIMUM OVERALL LENGTH 85FT. - 2 #12, 1 #12 E.G.
 MAXIMUM OVERALL LENGTH 140FT. - 2 #10, 1 #10 E.G.
 MAXIMUM OVERALL LENGTH 225FT. - 2 #8, 1 #8 E.G.
 MAXIMUM OVERALL LENGTH 350FT. - 2 #6, 1 #6 E.G.
- ALL BRANCH CIRCUIT WIRING TO 277 VOLT LIGHTING FIXTURES SHALL BE AS FOLLOWS:
 MAXIMUM OVERALL LENGTH 200FT. - 2 #12, 1 #12 E.G.
 MAXIMUM OVERALL LENGTH 325FT. - 2 #10, 1 #10 E.G.
 MAXIMUM OVERALL LENGTH 500FT. - 2 #8, 1 #8 E.G.
 MAXIMUM OVERALL LENGTH 825FT. - 2 #6, 1 #6 E.G.

THE FOLLOWING SYSTEMS OF COLOR CODING SHALL BE STRICTLY ADHERED TO:

- A) GROUND LEADS: GREEN
- B) 120/208 VOLT UNGROUNDED PHASE WIRES:
 PHASE A: BLACK
 PHASE B: RED
 PHASE C: BLUE
 NEUTRAL: WHITE
- C) 277/480 VOLT UNGROUNDED PHASE WIRES:
 PHASE A: BROWN
 PHASE B: ORANGE
 PHASE C: YELLOW
 NEUTRAL: GRAY

THE COLOR CODE ASSIGNED TO EACH PHASE WIRE SHALL BE CONSISTENTLY FOLLOWED THROUGHOUT. ALL COLOR CODING FOR CONDUCTOR IDENTIFICATION SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE ARTICLE 310.12 AND 250.119.

2. UNLESS OTHERWISE NOTED ALL BRANCH CIRCUITRY ABOVE GRADE SHALL BE RUN IN EMT CONDUIT AND SHALL BE UNDERWRITERS' APPROVED GALVANIZED ELECTRICAL METALLIC TUBING. COUPLINGS AND CONNECTORS SHALL BE STEEL COMPRESSION TYPE, ZINC OR CADMIUM PLATED. CONNECTIONS TO DRYTYPE TRANSFORMERS SHALL BE LIQUIDTIGHT CONDUIT.
3. ALL CONDUIT INSTALLED BELOW GRADE SHALL BE HEAVY WALL PVC SCHEDULE 40, TRANSITION TO EMT AT ELBOW BELOW GRADE PRIOR TO EXPOSING CONDUIT ABOVE GRADE.
4. DO NOT COMBINE MORE THAN 3 CURRENT CARRYING CONDUCTORS IN A RACEWAY.
5. ALL RACEWAYS ABOVE GRADE SHALL BE PROPERLY ALIGNED, GROUPED, AND SUPPORTED BY MECHANICAL TYPE 'CADDY' CLIPS AT INTERVALS NOT EXCEEDING 8 FEET. EXISTING RACEWAYS TO REMAIN SHALL BE RESUPPORTED WHERE RACEWAY SUPPORTS EXCEED 8 FEET.
6. ALL RACEWAYS WITH NO. 10 OR 12 AWG PHASE CONDUCTORS FOR RECEPTACLES, LIGHTING FIXTURES AND SIMILAR CIRCUITS SHALL BE PROVIDED WITH A PARITY SIZED GREEN EQUIPMENT GROUND CONDUCTOR. GROUND CONDUCTOR SHALL BE INSTALLED IN ENTIRE RACEWAY SYSTEM INCLUDING WALL SWITCHES AND FLEXIBLE CONDUIT TO LIGHT FIXTURES. EQUIPMENT GROUND CONDUCTOR SIZES FOR CIRCUITS WITH PHASE CONDUCTORS LARGER THAN NO. 12 AWG ARE INDICATED ON DRAWINGS. GROUND CONDUCTORS SHALL BE CONNECTED TO GROUND BUS IN PANELBOARDS.
7. RACEWAY PENETRATIONS OF FIRE RATED WALLS AND/OR FLOORS SHALL BE SEALED TO MAINTAIN INTEGRITY OF CONSTRUCTION. ALL PRODUCTS, MATERIALS AND METHODS OF INSTALLATION SHALL BE UL APPROVED AND MEET NFPA.
8. ALL JUNCTION BOXES SHALL BE FLUSH IN GRADE, NON METALLIC, LOCATION APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

SWITCHEGEAR:

1. PANELBOARD DIRECTORY CARDS SHALL BE TYPED WITH ACCURATE AND CURRENT INFORMATION BY THE CONTRACTOR AT THE END OF CONSTRUCTION.
2. ALL ELECTRICAL EQUIPMENT MOUNTED "OUTSIDE" SHALL BE NEMA 3R.
3. GROUND ALL ELECTRICAL SYSTEM CONDUITS, MOTORS, PANELS AND OTHER EXPOSED NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ALL PROVISIONS OF THE NATIONAL ELECTRICAL CODE, STATE BUILDING CODE AND LOCAL OR REGIONAL CODES.
4. GROUNDING OF THE ELECTRICAL SYSTEM SHALL BE BY MEANS OF AN INSULATED GROUNDING CONDUCTOR INSTALLED WITH FEEDER AND BRANCH CIRCUIT CONDUCTORS IN ALL CONDUITS. GROUNDING CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH N.E.C. ARTICLE 250.
5. SYSTEM NEUTRAL CONDUCTORS SHALL BE GROUNDED AT THE SOURCE. NEUTRAL CONDUCTORS SHALL NOT BE USED FOR EQUIPMENT GROUNDING.
6. PANELBOARDS AND TRANSFORMERS SHALL BE AS MANUFACTURED BY SQUARE-D, SIEMENS, GE OR CUTLER HAMMER.
7. SAFETY SWITCHES SHALL BE AS MANUFACTURED BY SQUARE-D, SIEMENS, GE OR CUTLER HAMMER.

LIGHTING FIXTURES:

1. THE CONTRACTOR SHALL FURNISH AND INSTALL FIXTURES COMPLETE IN ALL RESPECTS FULLY FUNCTIONING.
2. THE CONTRACTOR SHALL SUBMIT CATALOG CUTS OF ALL THE FIXTURES TO THE ARCHITECT/ENGINEER FOR APPROVAL.
3. PRIOR TO INSTALLATION COORDINATE ALL LOCATIONS OF LIGHTING FIXTURES WITH LANDSCAPE ARCHITECTS.

GROUNDING:

1. THE ELECTRICAL SYSTEMS SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED BY NATIONAL ELECTRICAL CODE. ALL METALLIC RACEWAYS SHALL BE MECHANICALLY AND ELECTRICALLY SECURE AT ALL JOINTS AND AT ALL BOXES, CABINETS, FITTINGS AND EQUIPMENT.

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	MOUNTING
	GRADE MOUNTED SIGN LIGHT (PLAN VIEW), LETTER INDICATES TYPE	REFER TO LIGHTING FIXTURE SCHEDULE
	GRADE MOUNTED FLOODLIGHT, LETTER INDICATES TYPE	REFER TO LIGHTING FIXTURE SCHEDULE
	BRANCH CIRCUIT DESIGNATION, LETTERS INDICATE PANEL, NUMBERS INDICATE CIRCUIT.	SEE SPECIFICATIONS
	BRANCH CIRCUIT-BELOW GRADE	SEE SPECIFICATIONS
	FOUNTAIN CONTROL PANEL	AS NOTED
	TRANSFORMER	AS NOTED

LIGHTING FIXTURE SCHEDULE

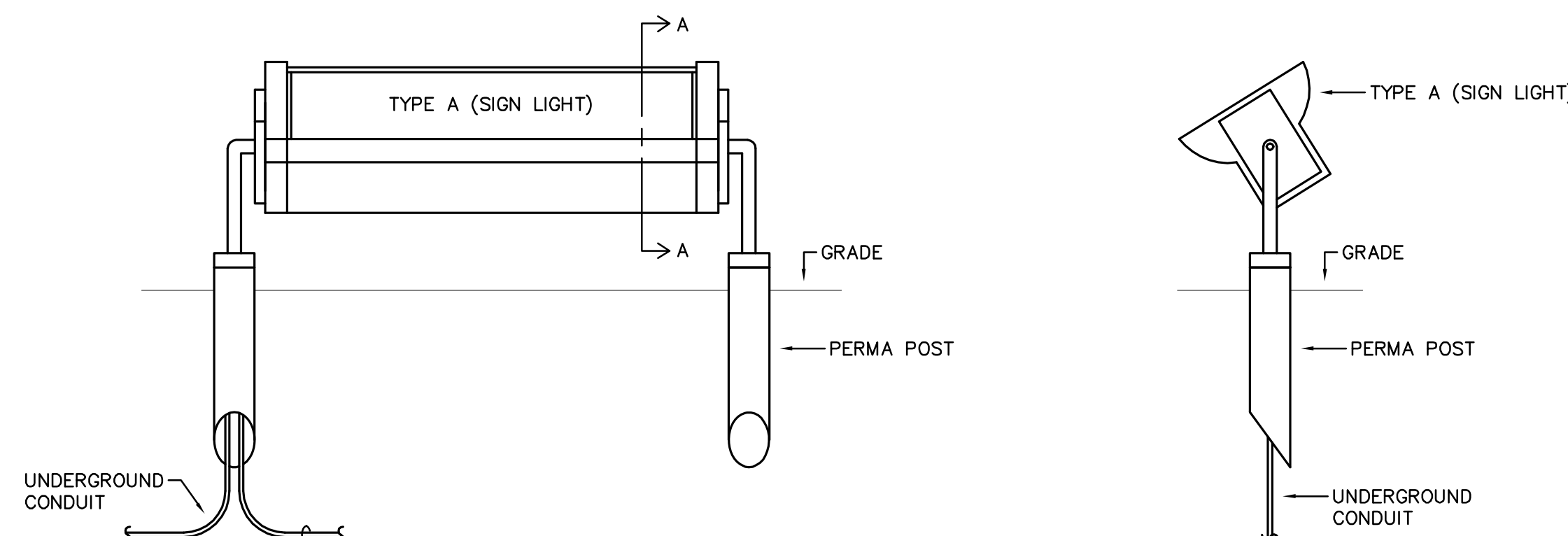
TYPE	DESCRIPTION	MANUFACTURES CAT. NO.	VOLTAGE	LAMPS	MOUNTING
A	8'-0" LED SIGN LIGHT	LUMUX LF800-LED-GROUND PERMA POST	277/1	LED 4000K	MOUNT TO PERMA POST SUPPORT AIM AT SIGN, REFER TO DETAIL ON THIS DWG
B	GRADE MOUNTED LED FLOODLIGHT WITH DRIVER HOUSING AND NATURAL FINISH	TEKA IFF-LED-23-FL-NAT-9-11-CLR-HP2	277/1	15WLED 4000K	DRIVER HOUSING FLUSH IN GRADE AT BASE OF PALM TREE
C	FLUSH IN GRADE LED FLOODLIGHT, BRONZE FINISH	BK LIGHTING B-HP2-LED-TR-23-FL-B2P-11-DIS-MT	277/1	15WLED 4000K	FLUSH IN GRADE

NOTE: REFER TO LANDSCAPE ARCHITECTS DRAWINGS FOR LOCATION OF B AND C FIXTURES

MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE

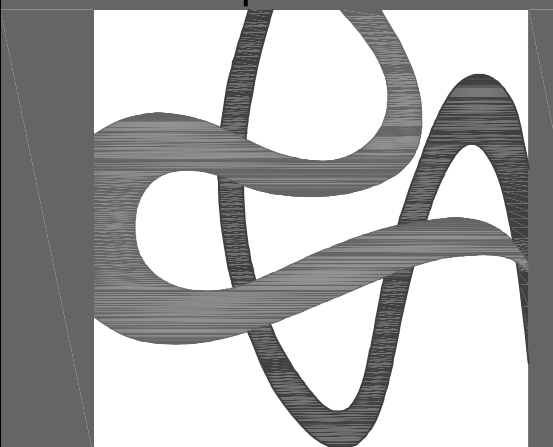
MARK	LOAD IN KW	VOLT/ PHASE	CIRCUIT	CONDUCTORS/ CONDUIT	DISCONNECT/STARTER REQUIREMENTS	REMARKS
GF	1.72	208/1	SL-1,3	2 #8 AND 1 #8 E.G. IN 1" CONDUIT	30/2/NF NEMA 3R DISCONNECT WIRED TO TERMINAL BLOCK ON CONTROL PANEL	INSTALL BUCK BOOST TRANSFORMER ADJACENT TO CONTROL PANEL
AF	29.0	480/3	SH-1,3,5	3 #4 AND 1 #4 E.G. IN 1 1/2" CONDUIT	100/3/NF NEMA 3R DISCONNECT WIRED TO TERMINAL BLOCK ON CONTROL PANEL	
AF LTG	2.0	120/1	SL-2	2 #3 AND 1 #3 E.G. IN 1 1/2" CONDUIT	60/2/NF NEMA 3R DISCONNECT	

NOTE: MOUNT DISCONNECT SWITCH FOR RESPECTIVE PIECE OF EQUIPMENT ADJACENT TO EQUIPMENT ON A 4" SQUARE CONCRETE PEDISTAL @ 24" AFF



SIGN LIGHT DETAIL

SCALE: NTS 1/3153



SWANN AVENUE FOUNTAIN PARK

CITY OF TAMPA
 PUBLIC WORKS DEPARTMENT
 &
 HYDE PARK NEIGHBORHOOD ASSOCIATION

NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IN EVENTS OF DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS IN THE DRAWINGS OR SPECIFICATIONS. THE CONTRACTOR IS NOT AUTHORIZED TO SCALE THE DRAWINGS. ALL QUESTIONS IN REFERENCE TO CONTRACT DOCUMENTS SHALL BE IMMEDIATELY DIRECTED TO THE LANDSCAPE ARCHITECT.

100% CONSTRUCTION DOCUMENTS

2014-05-27
 Description 00/00/00

REVISIONS:

Drawing Title:
ELECTRICAL LEGEND AND GENERAL NOTES

Drawing No.:
E101

D.B. JOB #13153

DIAMONDBACK ENGINEERING
 1801 North Himes Avenue
 Tampa, Florida 33607
 Tele: (813) 350-0880 * Fax: (813) 350-0883
 REG. NO. EB9758

PANEL SH				CIRCUIT BREAKER TYPE 277 / 480 V., 3 PH., 4W. SQUARE-D NF NEMA 3R ENCLOSURE				100A. MAIN CIRCUIT BREAKER SURFACE MTD. - NEMA 3R			
CKT. NO.	NO. OF POLES	TRIP AMPS	VOLT AMPS	LOAD	CKT. NO.	NO. OF POLES	TRIP AMPS	VOLT AMPS	LOAD		
1	3	70	9667	AQUASTAR FOUNTAIN (AF)	2	3	25	2860	15 KVA TRANSFORMER		
3	-	-	9667	-	4	-	-	1040	-		
5	-	-	9667	-	6	-	-	-	-		
7	1	-	-	SPACE	8	1	20	250	SITE LIGHTING		
9	1	-	-	SPACE	10	1	-	-	SPACE		
11	1	-	-	SPACE	12	1	-	-	SPACE		
13	1	-	-	SPACE	14	1	-	-	SPACE		
15	1	-	-	SPACE	16	1	-	-	SPACE		
17	1	-	-	SPACE	18	1	-	-	SPACE		

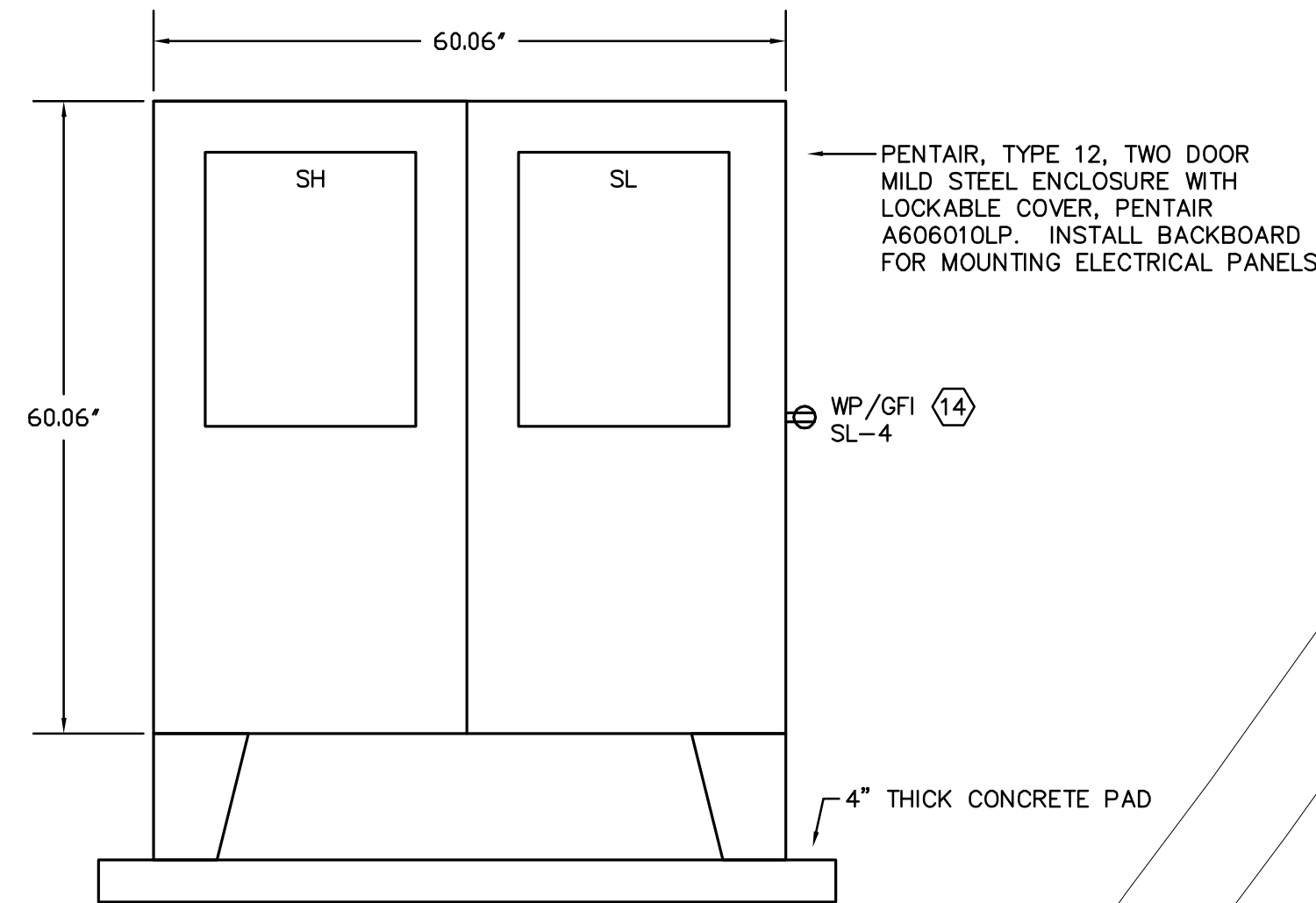
ALL BREAKERS SHALL HAVE A MINIMUM OF 14,000 A.I.C. SYMMETRICAL AT 480 VOLTS

LIGHTING @ 125% = 2,812 VA
 FOUNTAINS @ 100% = 30,721 VA
 MIR CONTROLLER @ 100% = 180 VA
 TOTAL = 33,533 VA (40 AMPS)

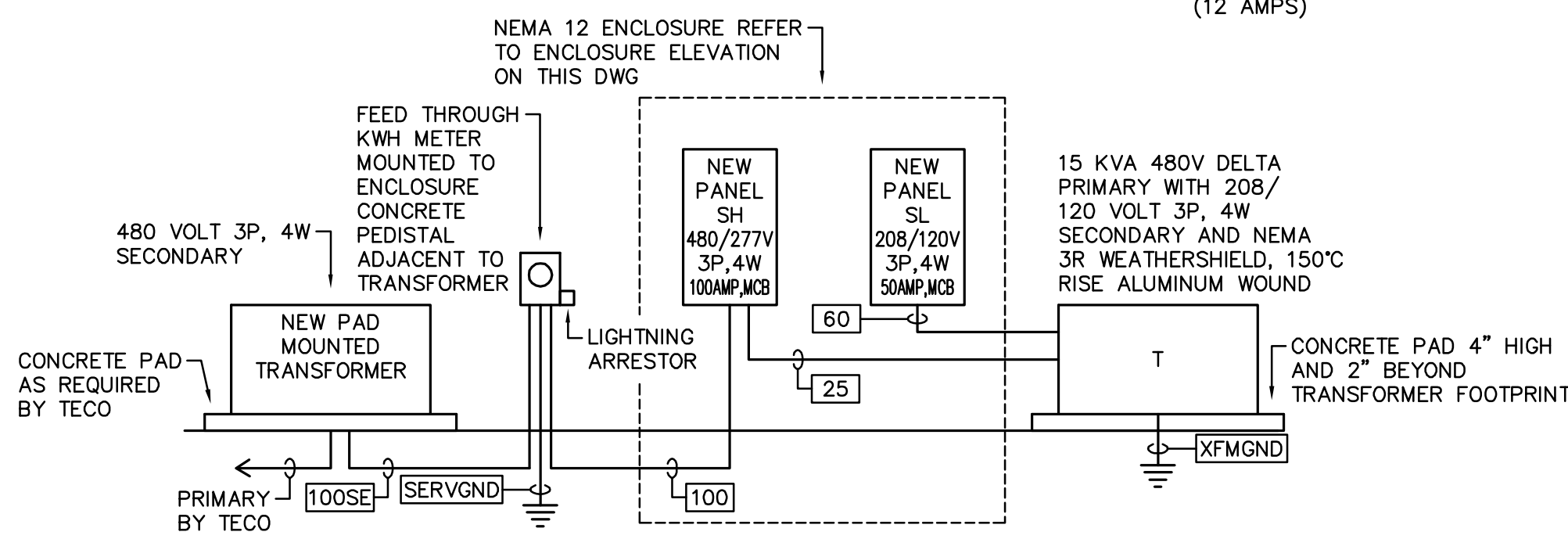
PANEL SL				CIRCUIT BREAKER TYPE 120 / 208 V., 3 PH., 4W. SQUARE -D NQ NEMA 3R ENCLOSURE				60A. MAIN CIRCUIT BREAKER SURFACE MTD. - NEMA 3R			
CKT. NO.	NO. OF POLES	TRIP AMPS	VOLT AMPS	LOAD	CKT. NO.	NO. OF POLES	TRIP AMPS	VOLT AMPS	LOAD		
1	2	20	860	GENESIS FOUNTAIN (GF) VIA BUCK	2	1	25	2000	AQUASTAR LIGHTING (AF LTG)		
3	-	-	860	BOOST XFMR	4	1	20	180	MIR CONTROLLER		
5	1	-	-	SPACE	6	1	-	-	SPACE		
7	1	-	-	SPACE	8	1	-	-	SPACE		
9	1	-	-	SPACE	10	1	-	-	SPACE		
11	1	-	-	SPACE	12	1	-	-	SPACE		
13	1	-	-	SPACE	14	1	-	-	SPACE		
15	1	-	-	SPACE	16	1	-	-	SPACE		
17	1	-	-	SPACE	18	1	-	-	SPACE		

ALL BREAKERS SHALL HAVE A MINIMUM OF 10,000 A.I.C. SYMMETRICAL AT 240 VOLTS

LIGHTING @ 125% = 2,500 VA
 FOUNTAINS @ 100% = 1,720 VA
 MIR CONTROLLER @ 100% = 180 VA
 TOTAL = 4,400 VA (12 AMPS)

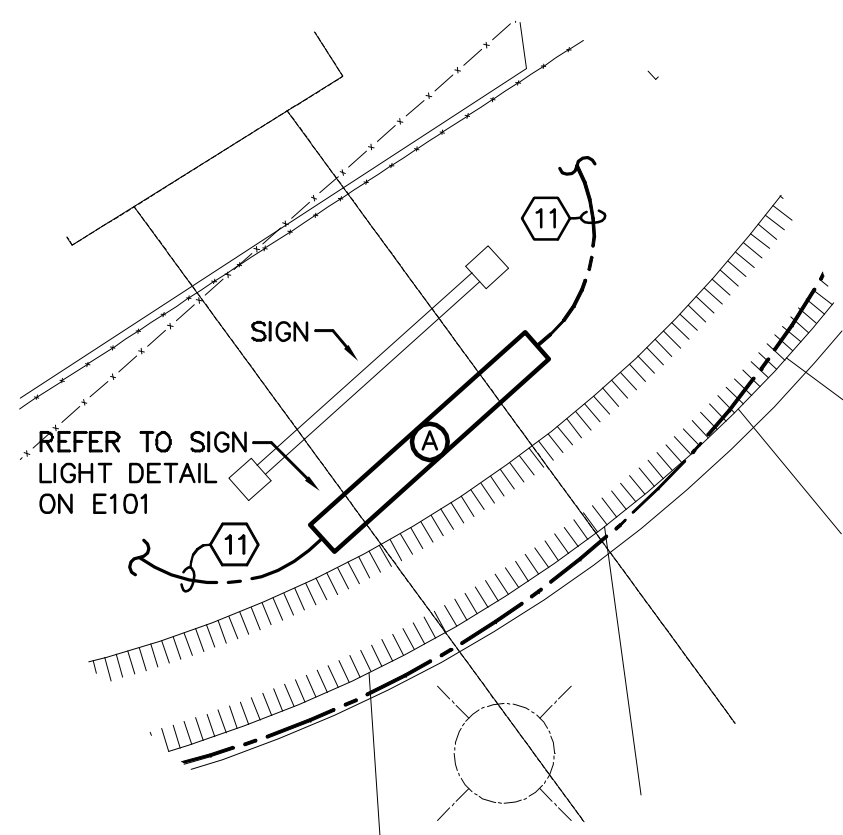


ENCLOSURE ELEVATION
 SCALE: 3/4"=1'-0" /13153



ELECTRICAL RISER DIAGRAM
 SCALE: NTS /13153

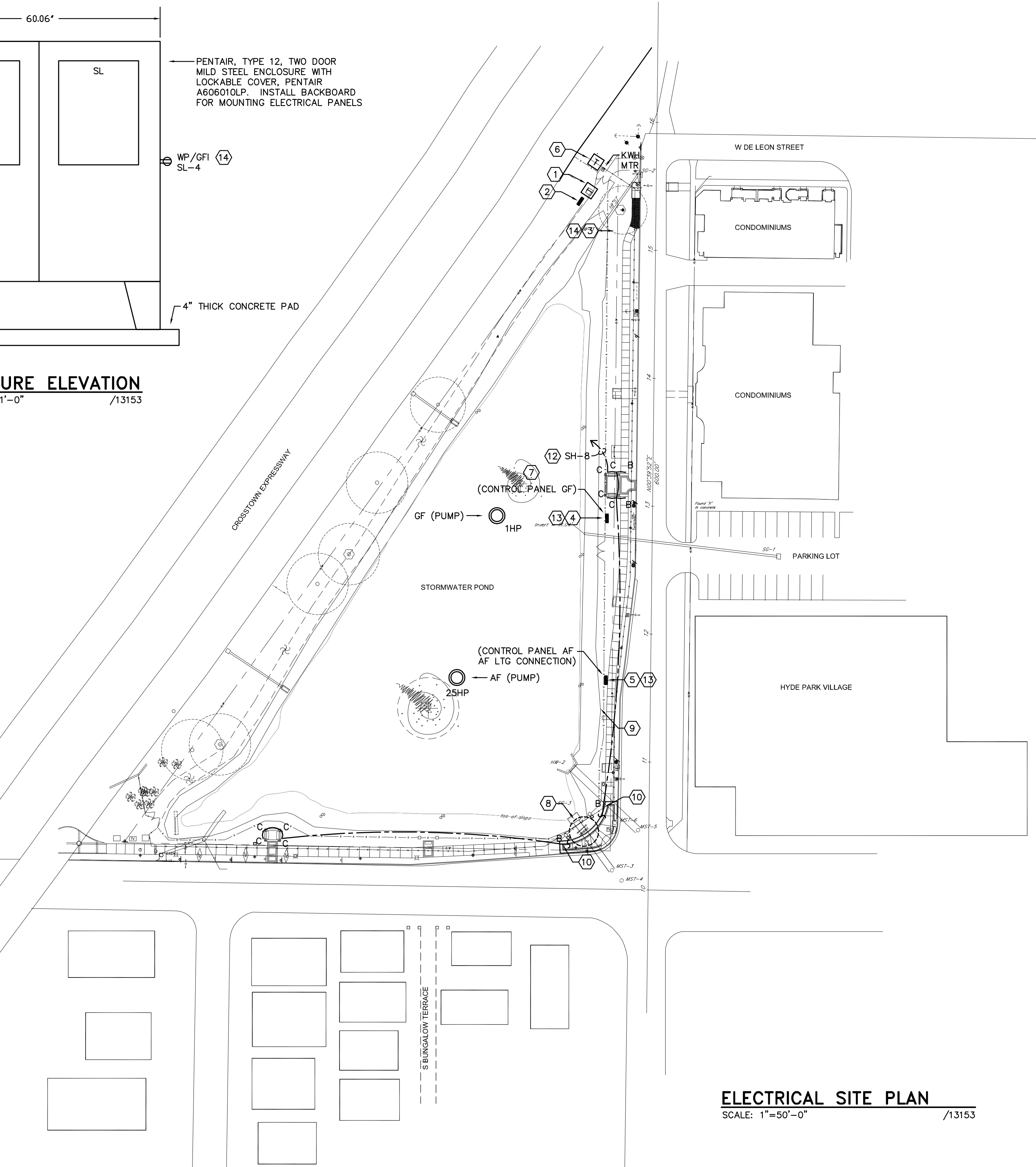
- RISER NOTES:
- [100SE] - 100 AMP SERVICE LATERAL. 1 1/2" CONDUIT WITH 4 #3.
 - [SERV GND] - 1 #8 SERVICE GROUNDING ELECTRODE GROUND AND BONDED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE 250, PART III.
 - [100] - 100 AMP 3P, 4W FEEDER - 1 1/2" CONDUIT WITH 4 #3 AND 1 #8 EQUIPMENT GROUND.
 - [25] - 25 AMP 3P, 4W FEEDER - 3/4" CONDUIT WITH 3 #10 AND 1 #10 EQUIPMENT GROUND.
 - [60] - 60 AMP 3P, 4W FEEDER - 1" CONDUIT WITH 4 #6 AND 1 #8 EQUIPMENT GROUND.
 - [XFM GND] - 1 #8 TO MAIN SERVICE GROUND.



ENLARGED SIGN DETAIL
 SCALE: NTS /13153

- KEYED NOTES:
- (1) EXISTING TRANSFORMER.
 - (2) EXISTING DISTRIBUTION CABINET FOR CROSSTOWN LIGHTING.
 - (3) NEW DISTRIBUTION EQUIPMENT, MOUNTED IN NEW NEMA 3R ENCLOSURE, REFER TO RISER DIAGRAM.
 - (4) GENESIS FOUNTAIN CONTROL PANEL, COMPLETE WITH CORD TO CONNECT REMOTE PUMP.
 - (5) AQUASTAR FOUNTAIN CONTROL PANEL, COMPLETE WITH CORD TO CONNECT REMOTE PUMP. CONTROL PANEL HAS TERMINAL BLOCK CONNECTION FOR AF LTG.
 - (6) NEW PAD MOUNTED TRANSFORMER.
 - (7) INSTALL SQUARE-D 250SV43B BUCK BOOST TRANSFORMER TO INCREASE VOLTAGE 10% FOR 230 VOLT SINGLE PHASE FOUNTAIN PUMP "GF". TRANSFORMER SHALL BE NEMA 3R RATED AND MOUNTED TO 4" SQUARE CONCRETE PEDISTAL @ 24" AFF. TRANSFORMER/PEDISTAL SHALL BE ADJACENT TO CONTROL PANEL GF.

- (8) REFER TO ENLARGED SIGN DETAIL ON THIS DRAWING.
- (9) REMOVE EXISTING FOUNTAIN PUMP CONTROL PANEL AND ASSOCIATED METER AND SECONDARY BACK TO UTILITY POLE.
- (10) MOUNT AT BASE OF PALM TREE TO ILLUMINATE PALM TREE.
- (11) TIE INTO AND CONTROL WITH TYPE B AND C FIXTURES.
- (12) BREAK CIRCUIT THROUGH CITY OF TAMPA'S CONTROLLER FOR CONTROL. COORDINATE WITH THE CITY.
- (13) CONTROL WITH CITY OF TAMPA'S CONTROLLER. COORDINATE WITH THE CITY. PROVIDE ALL REQUIRED CONTROL WIRING AND CONDUIT. MOUNT DISCONNECTING MEANS ADJACENT TO CONTROLLER TO 4" SQUARE CONCRETE PEDISTAL @ 24" AFF.
- (14) CITY OF TAMPA'S CONTROLLER. COORDINATE EXACT LOCATIONS OF RECEPTACLE WITH CITY OF TAMPA.



ELECTRICAL SITE PLAN
 SCALE: 1"=50'-0" /13153

100 Madison St, Suite 200 - Tampa, FL 33602
 Tel: (813)258-1987 - Facsimile (813)254-4194
 LC0000319 - LA0001327

PROFESSIONAL OF RECORD:
 DAVID CONNER
 FLORIDA LICENSE LANDSCAPE ARCHITECT
 0001327

SWANN AVENUE
 FOUNTAIN PARK

CITY OF TAMPA
 PUBLIC WORKS
 DEPARTMENT
 &
 HYDE PARK
 NEIGHBORHOOD
 ASSOCIATION

MICHAEL WOMACK P.E. 49040

NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IN EVENTS OF DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS IN THE DRAWINGS OR SPECIFICATIONS. THE CONTRACTOR IS NOT AUTHORIZED TO SCALE THE DRAWINGS. ALL QUESTIONS IN REFERENCE TO CONTRACT DOCUMENTS SHALL BE IMMEDIATELY DIRECTED TO THE LANDSCAPE ARCHITECT.

DCA PROJECT NO.: 13-005
 DRAWN BY: DS
 CHECKED BY: RGE
 CAD File:

100%
 CONSTRUCTION
 DOCUMENTS

Description 2014-05-27 00/00/00

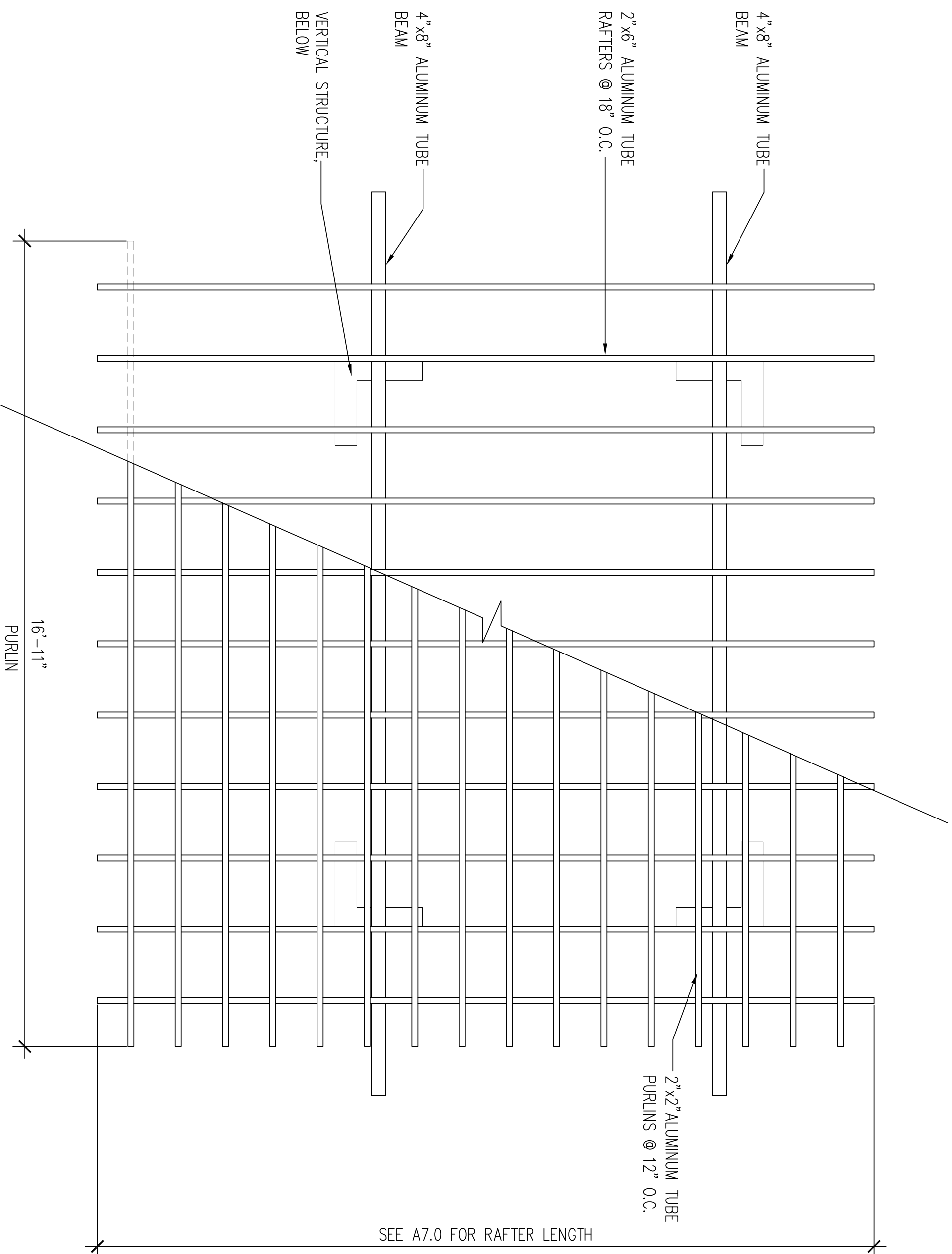
REVISIONS:

Drawing Title:
 ELECTRICAL SITE
 PLAN

Drawing No.:
 E102

D.B. JOB #13153

DIAMONDBACK
 ENGINEERING
 1801 North Himes Avenue
 Tampa, Florida 33607
 Tel: (813) 350-0880 * Fax: (813) 350-0883
 REG. NO. EB9758



Legend

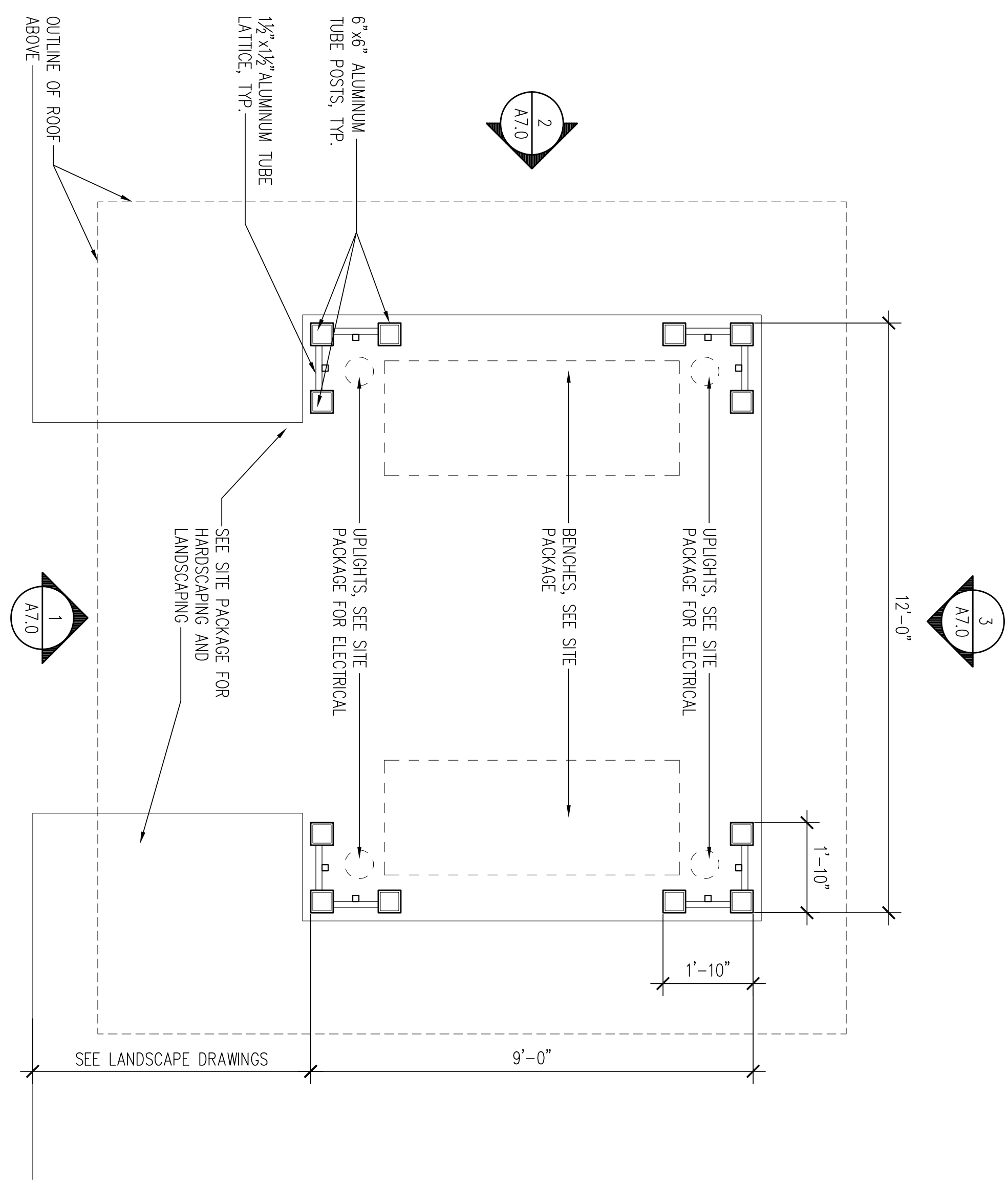
	= CMU
	= BRICK
	= DETAIL
MARK: X (X) X SHEET NO. (X) X SHEET NO.	= WALL SECTION AND
	= BLDG SECTION AND
MARK: X (X) X SHEET NO. (X) X SHEET NO.	= ELEVATION MARKER
MARK: X (X) X SHEET NO. (X) X SHEET NO.	= DETAIL

ALUMINUM TUBE FINISH SPEC:
POWDER COAT FINISH - POLYESTER, MEETING PERFORMANCE REQUIREMENTS OF AAMA 2604.

- PENCIL HARDNESS, ASTM D 3363: H-2H
- SALT SPRAY RESISTANCE, ASTM B 117: 3,000 HOURS
- HUMIDITY RESISTANCE, ASTM D 2247: 3,000 HOURS
- DRY FILM THICKNESS, ASTM D 1400: 2.0 MIL, MINIMUM THICKNESS
- COLOR, GLOSS AND SURFACE FINISH: AS SELECTED FROM MANUFACTURER'S FULL RANGE
- WARRENTY: 5 YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

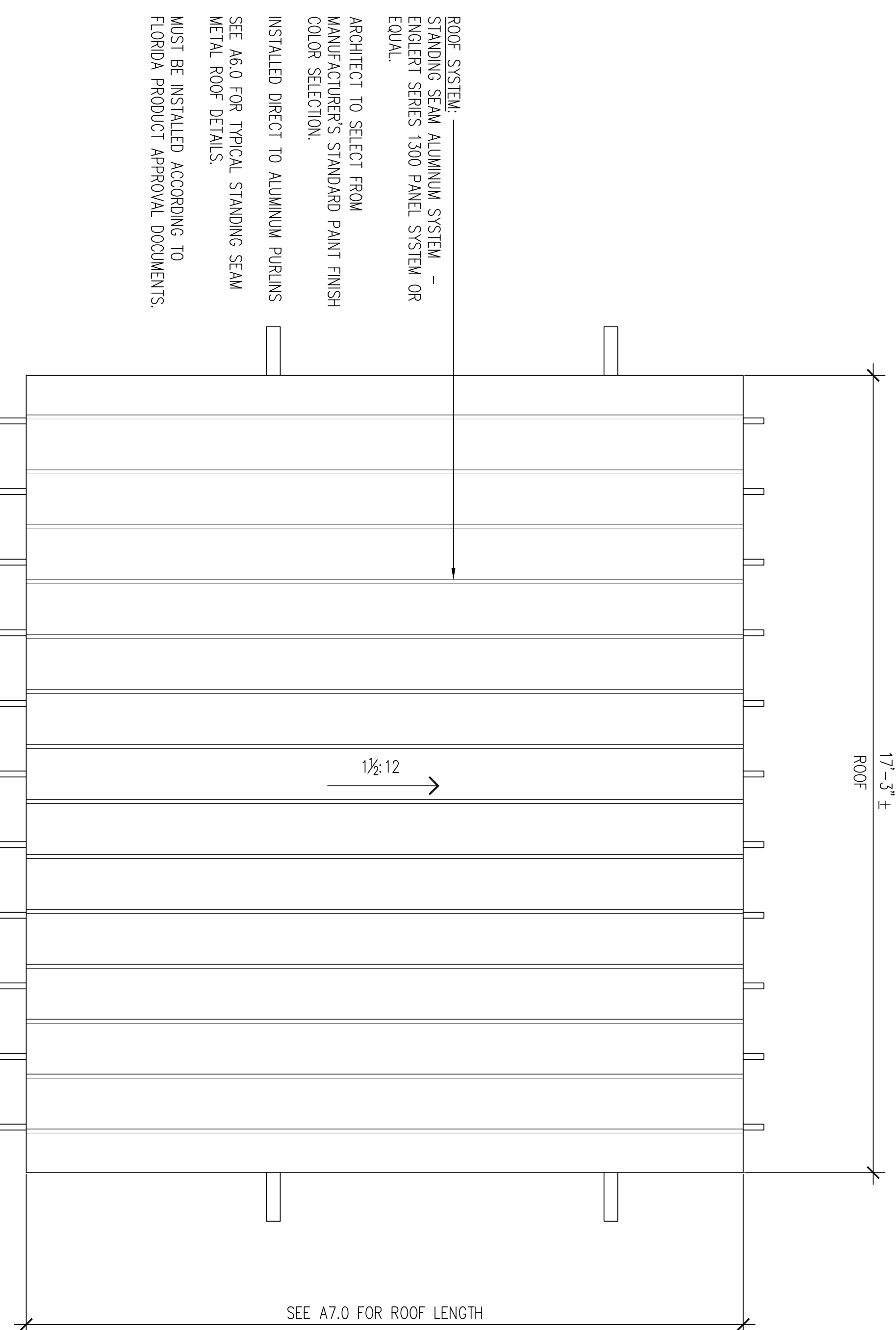
2 SWANN AVENUE PAVILION FRAMING PLAN

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



1 SWANN AVENUE PAVILION PLAN

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



3 SWANN AVENUE PAVILION ROOF PLAN

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

NO.	DATE	REVISION

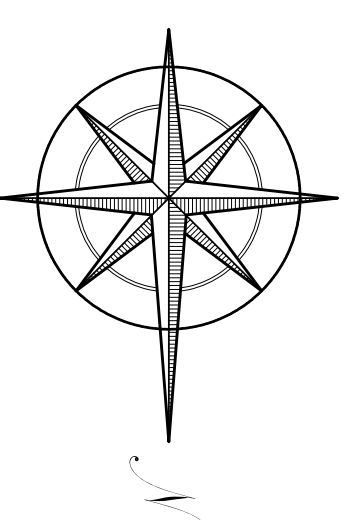
PROJECT NO.	12023
DATE	5-27-14
DATE TITLE	
NO.	

COOPER JOHNSON SMITH
ARCHITECTS INC
102 S. 12TH STREET, TAMPA, FL 33602 813.273.0034 FAX: 273-0079
FL LIC AA C00203

Swann Avenue Fountain Park
Tampa, Florida

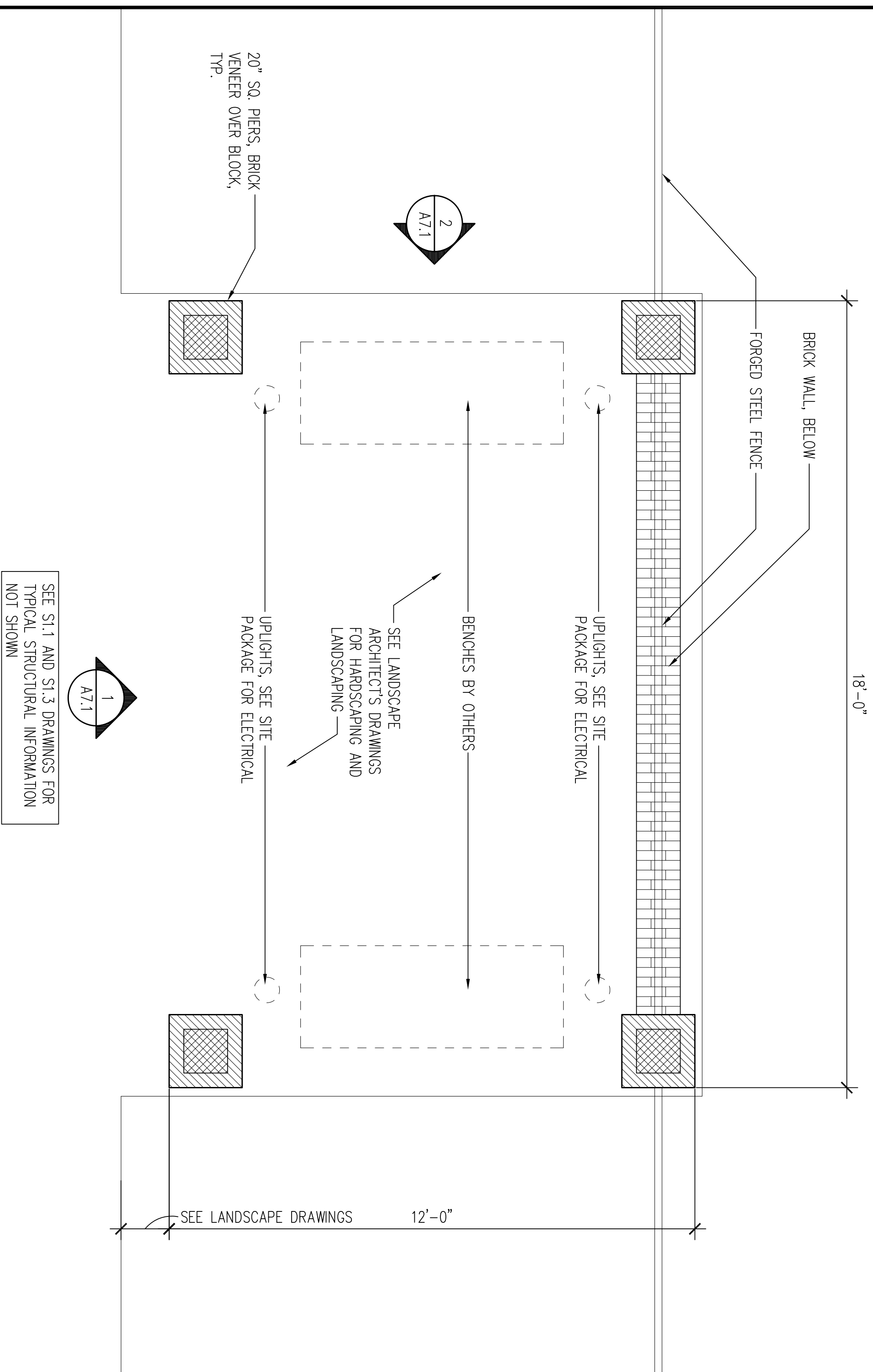
100 % Construction Documents Set

A4.0



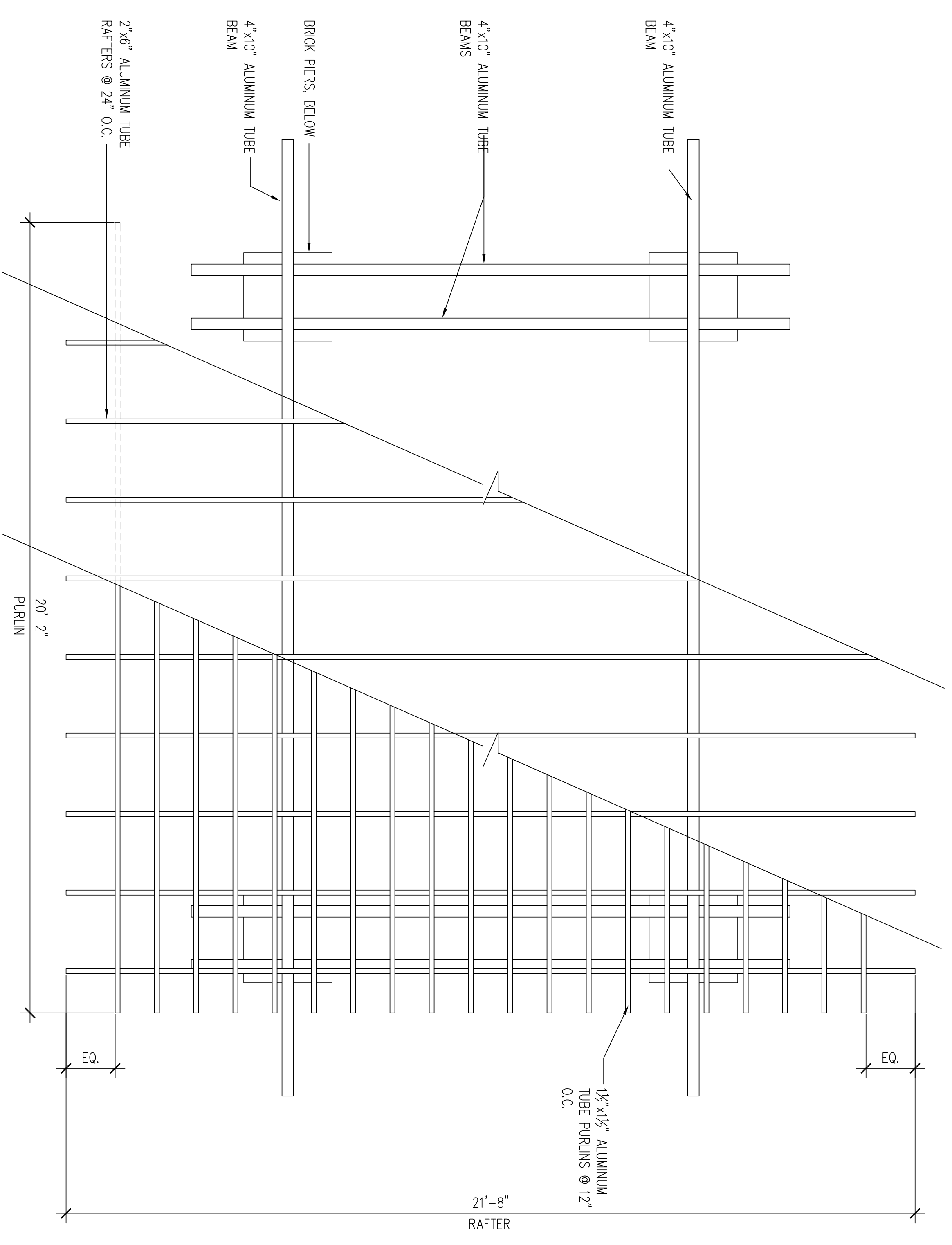
Legend	
	= CMU
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	= DETAIL
	= WALL SECTION AND SHEET NO.
	= BLDG SECTION AND SHEET NO.
	= ELEVATION MARKER
	= DETAIL

- ALUMINUM TUBE FINISH SPEC:
POWDER COAT FINISH: POLYESTER, MEETING PERFORMANCE REQUIREMENTS OF AAMA 2604.
1. PENIL HARDNESS, ASTM D 3363: H-2H
 2. SALT SPRAY RESISTANCE, ASTM B 117: 3,000 HOURS
 3. HUMIDITY RESISTANCE, ASTM D 2247: 3,000 HOURS
 4. DRY FILM THICKNESS, ASTM D 1400: 2.0 MIL, MINIMUM THICKNESS
 5. COLOR, GLOSS AND SURFACE FINISH: AS SELECTED FROM MANUFACTURER'S FULL RANGE
 6. WARRANTY: 5 YEARS FROM DATE OF SUBSTANTIAL COMPLETION.



1 ROME AVENUE PAVILION PLAN

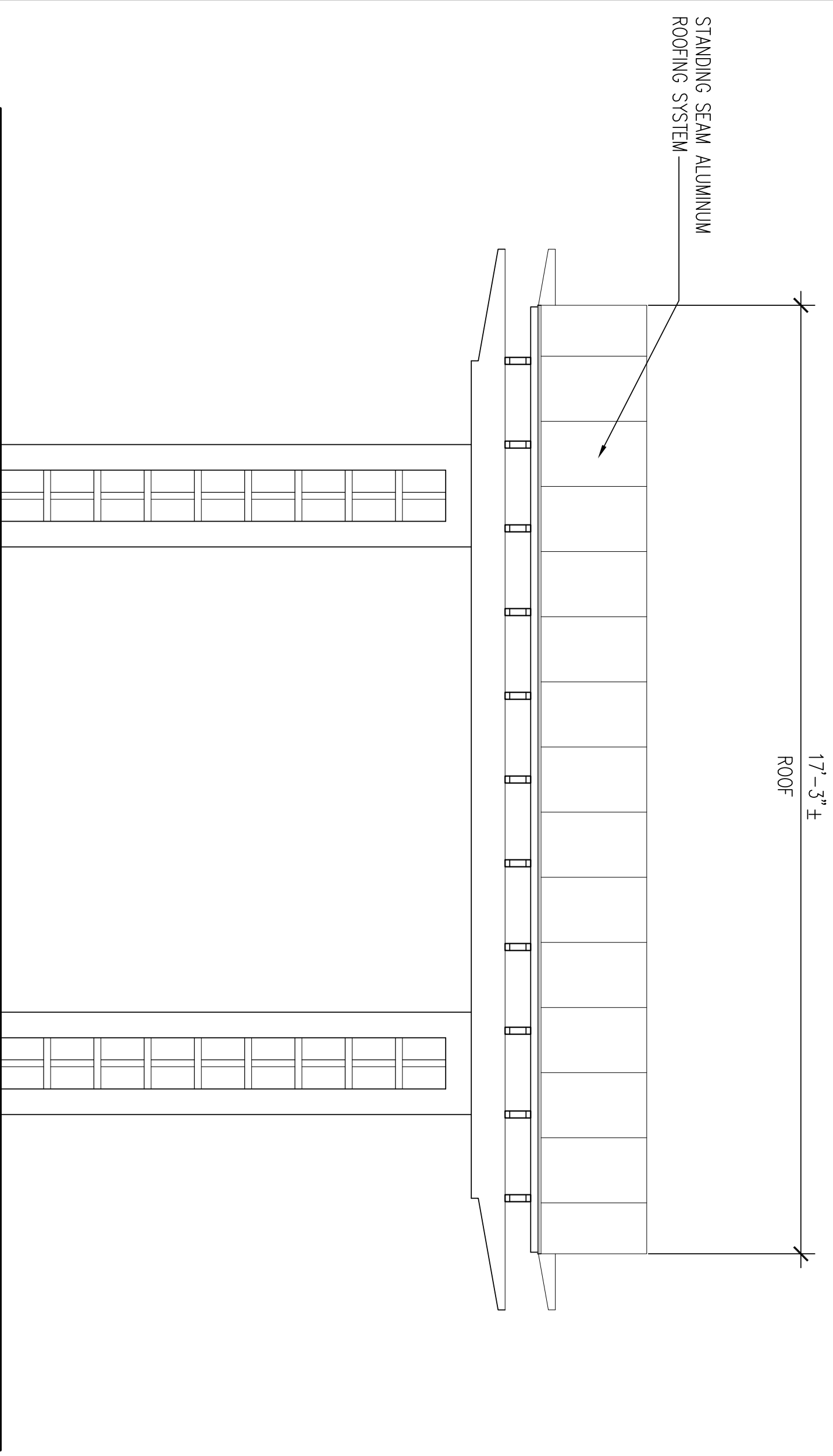
SCALE: 1/2" = 1'-0"



2 ROME AVENUE PAVILION FRAMING PLAN

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

<p>COOPER JOHNSON SMITH ARCHITECTS INC 102 S. 12TH STREET, TAMPA, FL 33602 813.273.0034 FAX: 273-0079 FL LIC AA 000203</p>	<p>Swann Avenue Fountain Park Tampa, Florida</p>	<p>100 % Construction Documents Set</p>																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DATE</td> <td>12/023</td> </tr> <tr> <td>REV</td> <td>5-27-14</td> </tr> <tr> <td>NO.</td> <td>1</td> </tr> <tr> <td>DATE</td> <td>12/023</td> </tr> <tr> <td>NO.</td> <td>1</td> </tr> <tr> <td>DATE</td> <td>12/023</td> </tr> <tr> <td>NO.</td> <td>1</td> </tr> <tr> <td>DATE</td> <td>12/023</td> </tr> <tr> <td>NO.</td> <td>1</td> </tr> </table>	DATE	12/023	REV	5-27-14	NO.	1	DATE	12/023	NO.	1	DATE	12/023	NO.	1	DATE	12/023	NO.	1	<p>A4.1</p>	
DATE	12/023																			
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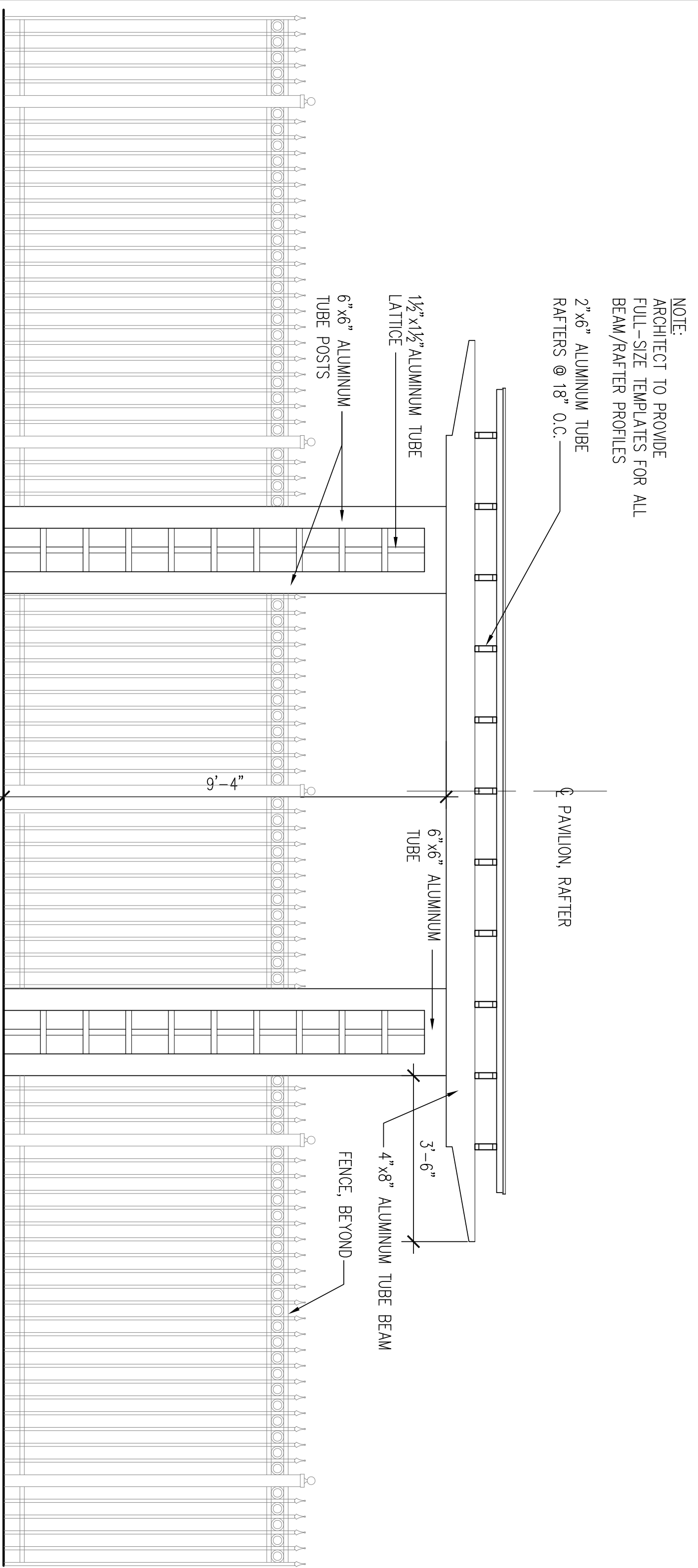
3 SWANN AVENUE PAVILION WATER ELEVATION

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

STANDING SEAM ALUMINUM
ROOFING SYSTEM

17'-3 1/2"
ROOF

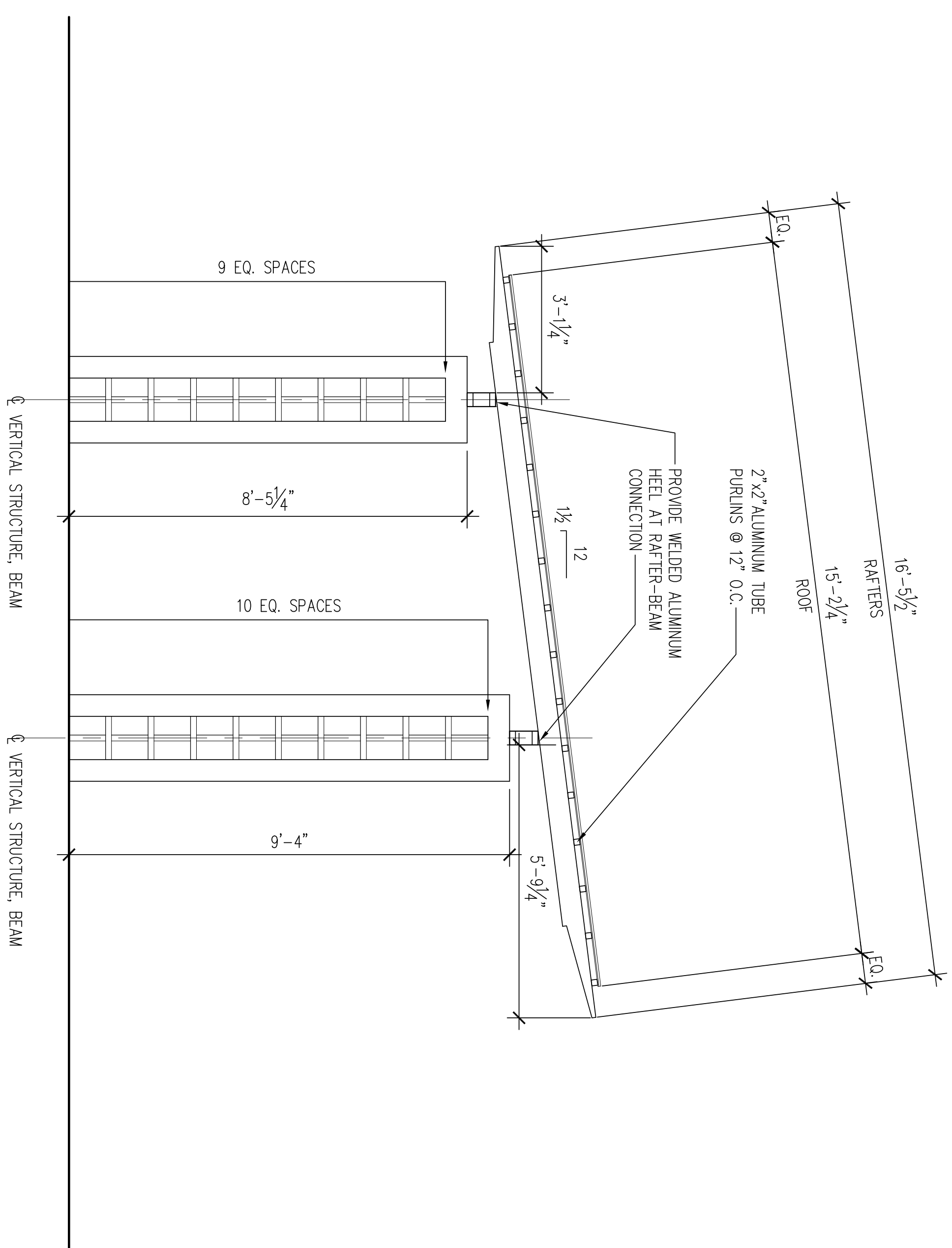
- GENERAL CONTRACTOR NOTE:
THE FOLLOWING ARCHITECTURAL MATERIALS/ITEMS ARE TO BE PROVIDED BY THE OWNER. GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION:
1. GALVANIZED STEEL FENCING SYSTEM
 2. ALUMINUM TUBE POSTS, LATTICE, BEAMS, RAFTERS AND PURLINS AT PAVILIONS
 3. PRECAST CAPS, URNS AND PINEAPPLES AT PIERS
 4. PIER/WALL BRICK AND STONE VENEER
 5. GALVANIZED STEEL/ALUMINUM SIGN AND POSTS



1 SWANN AVENUE PAVILION STREET ELEVATION

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

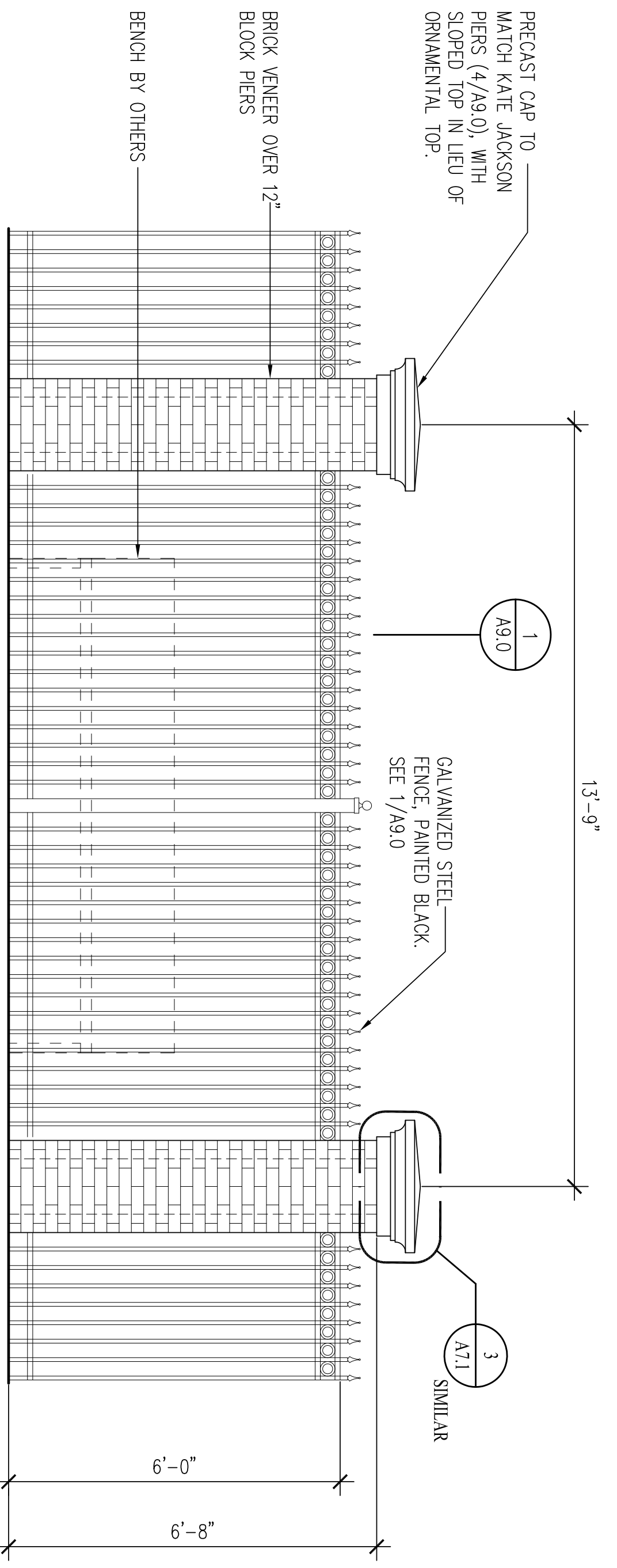
SEE S1.1 AND S1.2 DRAWINGS FOR
TYPICAL STRUCTURAL INFORMATION
NOT SHOWN



2 SWANN AVENUE PAVILION SIDE ELEVATION

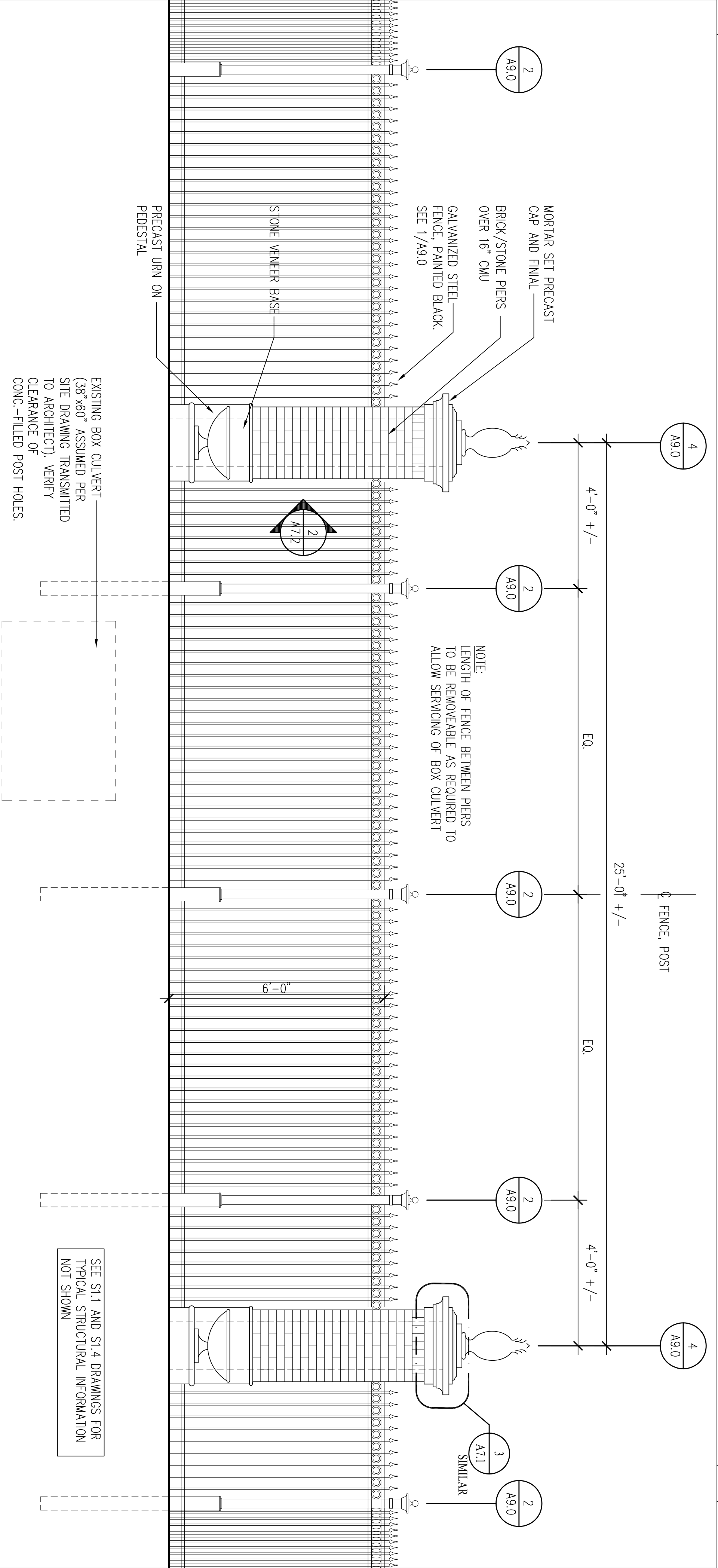
SCALE: 1/2" = 1'-0"

<p>COOPER JOHNSON SMITH ARCHITECTS INC 102 S. 12TH STREET, TAMPA, FL 33602 813.273.0034 FAX: 273-0079 FL LIC AA 0002035</p>	<p>Swann Avenue Fountain Park Tampa, Florida</p>	<p>100 % Construction Documents Set</p>																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">NO.</td> <td style="font-size: 8px;">DATE</td> <td style="font-size: 8px;">REVISION</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	REVISION																<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">PROJECT NO.</td> <td style="font-size: 8px;">12023</td> </tr> <tr> <td style="font-size: 8px;">DATE</td> <td style="font-size: 8px;">5-27-14</td> </tr> </table>	PROJECT NO.	12023	DATE	5-27-14	
NO.	DATE	REVISION																						
PROJECT NO.	12023																							
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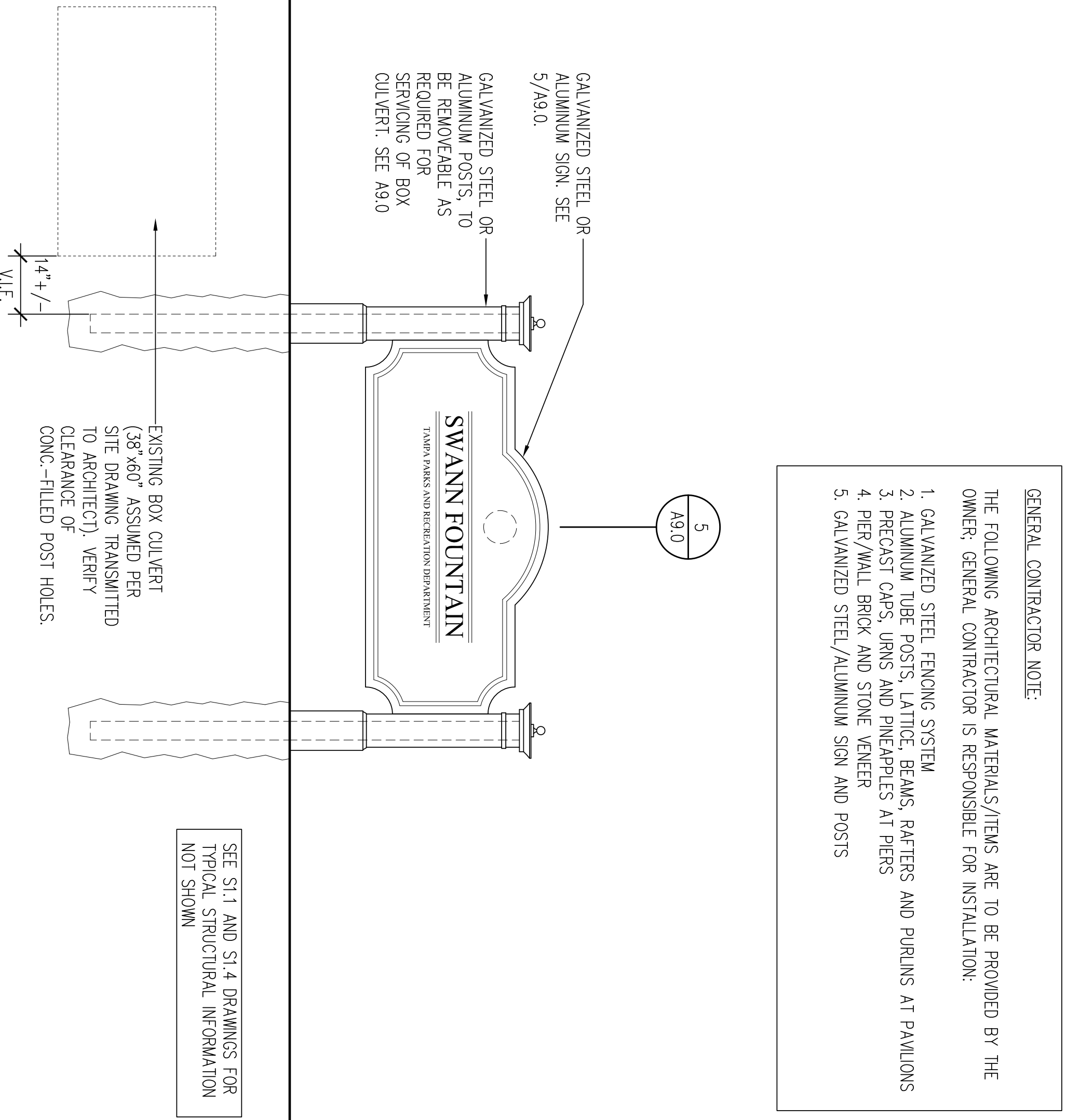
3 BENCH BACKDROP PIER ELEVATION

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



4 CORNER SIGN ELEVATION

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



GENERAL CONTRACTOR NOTE:
THE FOLLOWING ARCHITECTURAL MATERIALS/ITEMS ARE TO BE PROVIDED BY THE OWNER. GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION:

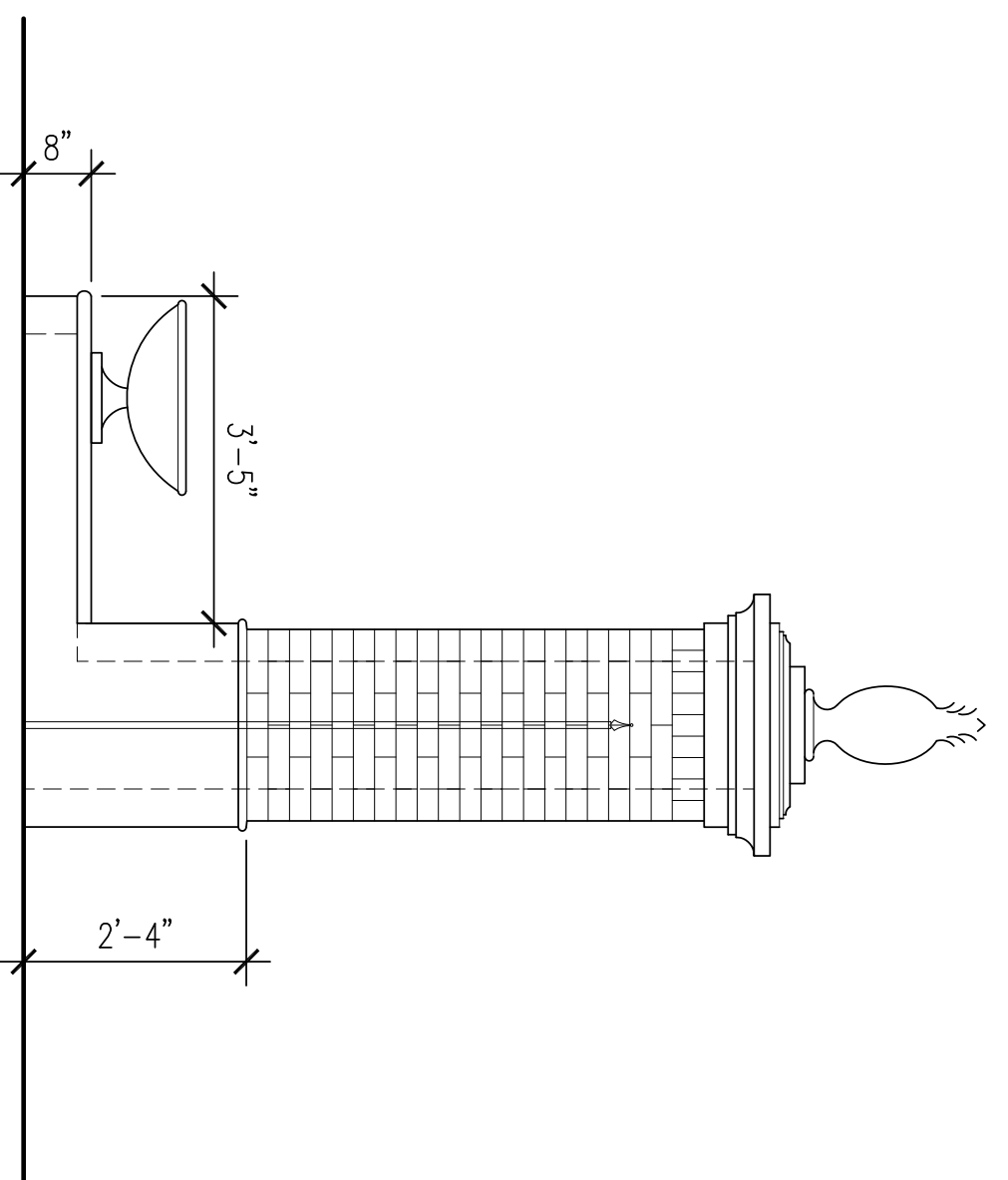
1. GALVANIZED STEEL FENCING SYSTEM
2. ALUMINUM TUBE POSTS, LATTICE, BEAMS, RAFTERS AND PURLINS AT PAVILIONS
3. PRECAST CAPS, URNS AND FINESAPPLIES AT PIERS
4. PIER/WALL BRICK AND STONE VENEER
5. GALVANIZED STEEL/ALUMINUM SIGN AND POSTS

1 CORNER FENCE ELEVATION

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

2 CORNER FENCE PIER SIDE ELEVATION

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





4 BRICK/STONE PIER AND URN

N.T.S.



5 SIGN

N.T.S.

SEE A.7.2 FOR LETTERING

NOTES:
 - SITE DETAILS SHOWN ON THIS SHEET ARE FROM KATE JACKSON CENTER 821 SOUTH ROME AVENUE TAMPA, FLORIDA.
 - SITE ELEMENTS ARE TO IDENTICALLY MATCH DETAILS SHOWN ON THIS PAGE, EXCEPT AS NOTED.



1 TYPICAL FENCE PANEL AND NEWELS

N.T.S.



2 FENCE ACCENT NEWEL

N.T.S.



3 TYPICAL FENCE GATE

N.T.S.

100 % Construction Documents Set

Swann Avenue Fountain Park
 Tampa, Florida

COOPER JOHNSON SMITH
 ARCHITECTS INC
 102 S. 12TH STREET, TAMPA, FL 33602 813.273.0034 FAX: 273-0019
 FL LIC AA 0002035

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Division 1-General Requirements

1. CONTRACT: AIA DOCUMENT A101-2007.
2. GENERAL CONDITIONS: THE STANDARD FORM OF THE AMERICAN INSTITUTE OF ARCHITECTS "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION," AIA DOCUMENT A201-2007.
3. CODES AND ORDINANCES: COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES, ORDINANCES AND REGULATIONS.
4. PROJECT SUBMITTALS: DURING CONSTRUCTION PHASE INFORMATION TO BE SUBMITTED TO ARCHITECT FOR REVIEW AND APPROVAL – PROJECT DATA, SHOP DRAWINGS, AND AS DEFINED BY OWNER/CONTRACTOR AGREEMENT.

Division 2- Site Requirements

SECTION 02220 – ORNAMENTAL METAL FENCES AND GATES

- 1.1 SECTION INCLUDES:
 1. DECORATIVE METALLIC-COATED STEEL PICKET FENCES.
- 1.2 SUBMITTALS
 - A. PROVIDE MANUFACTURER'S LITERATURE TO CONFIRM COMPLIANCE WITH ALL REQUIREMENTS FOR MATERIALS SPECIFIED
 - B. PROVIDE 12" SAMPLE OF EACH COMPONENT AND SAMPLE OF ALL ACCESSORY COMPONENTS
 - C. PROVIDE COMPLETE SHOP DRAWINGS INDICATING QUANTITY AND LOCATION OF VARIOUS COMPONENTS, FIELD MEASUREMENTS ARE REQUIRED PRIOR TO SHOP DRAWING SUBMITTAL.
- 1.3 QUALITY ASSURANCE
 - A. INSTALLER QUALIFICATIONS: FABRICATOR OF PRODUCTS, INSTALLER SHALL HAVE A MINIMUM OF FIVE YEARS EXPERIENCE IN THE INSTALLATION OF THE SYSTEM SPECIFIED
 - B. WELDING QUALIFICATIONS: QUALIFY PROCEDURES AND PERSONNEL ACCORDING TO AWS D1.1/D1.1M, "STRUCTURAL WELDING CODE"
 - C. MOCKUPS: BUILD MOCKUPS TO VERIFY SELECTIONS MADE UNDER SAME SUBMITTALS AND TO DEMONSTRATE AESTHETIC EFFECTS AND SET QUALITY STANDARDS FOR FABRICATION AND INSTALLATION.
- 1.4 SPECIAL WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AND SUBMITTER HAVE AGREED TO WAIVE THE IMPLIED WARRANTY OF MERCHANTABILITY. THIS SYSTEM THAT DO NOT COMPLY WITH REQUIREMENTS OR THAT DEGRADE AS DEFINED IN THIS SECTION WITHIN SPECIFIED WARRANTY PERIOD.
 1. FAILURES INCLUDE, BUT ARE NOT LIMITED TO:
 - a. STRUCTURAL FAILURES INCLUDING, BUT NOT LIMITED TO, EXCESSIVE DEFLECTION OR SAG.
 - b. DEGRADATION OF METALS, METAL FINISHES, AND OTHER MATERIALS BEYOND NORMAL WEATHERING
 - c. FAILURE OF OPERATING COMPONENTS

PART 2 – PRODUCTS

- 2.1 STEEL
 - A. PLATES, SHAPES, AND BARS: ASTM A 36/A 36M.
 - B. BARS (POCKETS): HOT-ROLLED, CARBON STEEL COMPLYING WITH ASTM A 29/A 29M, GRADE 1010.
 - C. TUBING: ASTM A 500, COLD FORMED STEEL TUBING.
 - D. BAR GRATING: MANM MFG. 531.
 - E. GALVANIZED-STEEL SHEET: ASTM A 1011/A 1011M, COMMERCIAL STEEL, TYPE B, GRADE 50 OR 60 COATING.
 - F. CASTINGS: GALVANIZED STEEL
 - G. ALL MEMBERS TO MATCH FENCING DETAILS AT KATE JACKSON COMMUNITY CENTER, 821 SOUTH ROME AVENUE, TAMPA, FL.
- 2.2 HIGH-PERFORMANCE COATING MATERIALS
 - A. PRIMER FOR GALVANIZED STEEL: COMPLYING WITH MPH #101 AND COMPATIBLE WITH COATING SPECIFIED TO BE APPLIED OVER IT.
 1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING
 - a. SHERWIN WILLIAMS GALVATE HS
 - b. TOPCOAT: COMPLYING WITH MPH #172 AND COMPATIBLE WITH UNDERCOAT.
 2. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING
 - a. SHERWIN WILLIAMS DTM ACRYLIC COATING
- 2.3 DECORATIVE METALLIC-COATED STEEL TUBULAR PICKET FENCES
 - A. DECORATIVE METALLIC-COATED STEEL TUBULAR PICKET FENCES: COMPLY WITH ASTM F 2408, FOR LIGHT INDUSTRIAL (COMMERCIAL) APPLICATION (CLASS) UNLESS OTHERWISE INDICATED.
 - B. METALLIC-COATED STEEL SHEET: GALVANIZED-STEEL SHEET
 - C. INTERIOR SURFACE OF TUBES FORMED FROM UNCOATED STEEL SHEET SHALL BE HOT-DIP ZINC COATED SAME AS EXTERIOR OR COATED WITH ZINC-RICH THERMOSETTING COATING TO COMPLY WITH ASTM F 2408.
 - D. MATCH DETAILS AT KATE JACKSON COMMUNITY CENTER, 821 SOUTH ROME AVENUE, TAMPA, FL.
 - E. GALVANIZING: FOR COMPONENTS INDICATED TO BE GALVANIZED AND FOR WHICH GALVANIZED COATING IS NOT SPECIFIED IN ASTM F 2408, HOT-DIP GALVANIZE TO COMPLY WITH ASTM A 133/A 123M, FOR HARDWARE ITEMS, HOT-DIP GALVANIZE TO COMPLY WITH ASTM A 153/A 153M.
 - F. FINISH: HIGH-PERFORMANCE COATING
- 2.4 SWING GATES
 - A. GATE CONFIGURATION: AS INDICATED
 - B. GATE FRAME HEIGHT: AS INDICATED
 - C. GATE OPENING WIDTH: AS INDICATED
 - D. MATCH GATE DETAILS AT KATE JACKSON COMMUNITY CENTER, 821 SOUTH ROME AVENUE, TAMPA, FL.

- E. GALVANIZING: FOR ITEMS OTHER THAN HARDWARE THAT ARE INDICATED TO BE GALVANIZED, HOT-DIP GALVANIZE TO COMPLY WITH ASTM A 133/A 123M UNLESS OTHERWISE INDICATED. FOR HARDWARE ITEMS, HOT-DIP GALVANIZE TO COMPLY WITH ASTM A 153/A 153M.
- F. METALLIC-COATED STEEL FINISH: HIGH-PERFORMANCE COATING

2.5 METALLIC-COATED STEEL FINISHES

- A. SURFACE PREPARATION: CLEAN SURFACES WITH NONPETROLEUM SOLVENT SO SURFACES ARE FREE OF OIL AND OTHER CONTAMINANTS. AFTER CLEANING, APPLY A CONVERSION COATING SUITABLE TO THE COATING TO BE APPLIED. AFTER CLEANING, MECHANICAL CONNECTIONS, SUCH AS BOLTS, SHALL BE GALVANIZED TO COMPLY WITH ASTM A 780, FERROUS PHOSPHORIC ACID BATH PRIOR TO APPLICATION OF PRIMER.
- B. HIGH-PERFORMANCE COATING: APPLY PRIMER AND TOPCOAT TO PREPARED SURFACES. COMPLY WITH COATING MANUFACTURER'S WRITTEN INSTRUCTIONS AND WITH REQUIREMENTS IN SSPC-PA 1, "PAINT APPLICATION SPECIFICATION NO. 1: SHOP, FIELD, AND MAINTENANCE PAINTING OF STEEL," FOR SHOP PAINTING. APPLY AT SPREADING RATES RECOMMENDED BY COATING MANUFACTURER.
1. MATCH FINISH OF FENCING AT KATE JACKSON COMMUNITY CENTER, 821 SOUTH ROME AVENUE, TAMPA, FL.

PART 3 – EXECUTION

- 3.1 PREPARATION
 - A. STAKE LOCATIONS OF FENCE LINES, GATES, AND TERMINAL POSTS. DO NOT EXCEED INTERVALS OF 500 FEET OR LINE OF SIGHT BETWEEN STAKES. INDICATE LOCATIONS OF PROPERTY MONUMENTS, PREPARE THE GRADE, AND REMOVE SURFACE IRREGULARITIES, IF ANY WHICH MAY CAUSE INTERFERENCE WITH THE INSTALLATION OF FENCE.
- 3.2 INSTALLATION
 - A. INSTALL FENCES ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
 - B. SET/FIT POSTS UNIFORMLY TO MATCH FENCING AT KATE JACKSON COMMUNITY CENTER, 821 SOUTH ROME AVENUE, TAMPA, FL.
 - C. CENTER AND ALIGN POSTS, PLACE CONCRETE AROUND POSTS, AND VIBRATE OR TAMP FOR CONNECTIONS.
 - D. INSTALL GATES PLUMB, LEVEL AND SECURE FOR FULL OPENING WITHOUT INTERFERENCE. FOR DOUBLE GATES, INSTALL DROP ROD. ADJUST ALL HARDWARE FOR SMOOTH OPERATION.
- 3.3 CLEANING
 - A. CONTRACTOR SHALL CLEAN RESIDUE OF EXCESS MATERIALS, POSITIVE EXCAVATIONS SHALL BE SCATTERED UNIFORMLY AWAY FROM POSTS. CLEAN FENCE WITH MILD HOUSEHOLD DETERGENT AND CLEAN WATER RINSE WELL.

END OF SECTION 02220

Division 3-Concrete

SECTION 03300 – CAST-IN-PLACE CONCRETE: SEE STRUCTURAL DRAWING S1.1

Division 4-Masonry

- SECTION 04200 – UNIT MASONRY
 - SECTION 04200 – UNIT MASONRY. CONCRETE MASONRY UNITS (SEE STRUCTURAL DRAWING S1.1)
 - 1.1 THIS SECTION INCLUDES THE FOLLOWING:
 - A. FACE BRICK
 - 1.2 SUBMITTALS
 - A. PRODUCT DATA AND SAMPLES FOR INITIAL SELECTION: FACE BRICK ONLY
 - 1.3 QUALITY ASSURANCE
 - A. SOURCE LIMITATIONS FOR MASONRY UNITS: OBTAIN EXPOSED MASONRY UNITS OF A UNIFORM TEXTURE AND COLOR, OR A UNIFORM BLEND WITHIN THE RANGES ACCEPTED FOR THESE CHARACTERISTICS, THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER FOR EACH PRODUCT REQUIRED.
 - B. SOURCE LIMITATIONS FOR MORTAR MATERIALS: OBTAIN MORTAR INGREDIENTS OF A UNIFORM QUALITY, INCLUDING COLOR FOR EXPOSED MASONRY, FROM A SINGLE MANUFACTURER FOR EACH CHEMISTICAL COMPONENT AND FROM ONE SOURCE OR PRODUCER FOR EACH AGGREGATE.
 - C. MOCKUPS: BUILD MOCKUPS TO VERIFY SELECTIONS MADE UNDER SAMPLE SUBMITTALS AND TO DEMONSTRATE AESTHETIC EFFECTS AND SET QUALITY STANDARDS FOR THE MASONRY TO BE CONSTRUCTED. MATCH EXISTING MASONRY BLEND OF THE COMPLETED WORK IF UNDISTURBED AT TIME OF SUBSTANTIAL COMPLETION.
 - 2.1 FACE BRICK: PROVIDE FACE BRICK MATCHING COLOR RANGE, TEXTURE, AND SIZE OF EXISTING BRICK PIERS AT KATE JACKSON CENTER, 821 SOUTH ROME AVENUE, TAMPA, FLORIDA. SAW BRICK OR PROVIDE SPECIAL SHAPES WHERE STRETCHER UNITS CANNOT ACCOMMODATE SPECIAL CONDITIONS (DO NOT EXPOSE SAWED SURFACES TO VIEW). PROVIDE BRICK THAT HAS BEEN TESTED ACCORDING TO ASTM C 67 AND IS RATED NOT EFFLORESCED).
 - 2.2 MORTAR AND GROUT MATERIALS
 - A. PORTLAND CEMENT-LIME MIX: PACKAGED BLEND OF PORTLAND AND CEMENT COMPLYING WITH ASTM C 150, TYPE I OR II, AND HYDRATED LIME COMPLYING WITH ASTM C 207.
 - B. MASONRY CEMENT: ASTM C 91
 1. FORMULATE BLEND AS REQUIRED TO PRODUCE COLOR TO MATCH EXISTING BRICK PIERS AT KATE JACKSON CENTER, 821 SOUTH ROME AVENUE, TAMPA, FLORIDA.
 - C. AGGREGATE FOR MORTAR: ASTM C 144, EXCEPT FOR JOINTS LESS THAN ½" THICK, USE AGGREGATE GRADED WITH 100% PASSING THE NO. 16 SIEVE.
 - D. AGGREGATE FOR GROUT: ASTM C 404
 - E. MORTAR PIGMENTS: NATURAL AND SYNTHETIC IRON OXIDES AND CHROMIUM OXIDES, ACCORDING TO USE IN MORTAR MIXES. USE ONLY PIGMENTS WITH A RECORD OF SATISFACTORY PERFORMANCE IN MASONRY MORTAR
 - F. WATER: POTABLE

1. LADDER TYPE WITH PERPENDICULAR CROSS RODS SPACED NOT MORE THAN 16 INCHES O.C. AND 1 SIDE ROD FOR EACH FACE SHELL OF HOLLOW MASONRY UNITS MORE THAN 4" IN WIDTH, PLUS 1 SIDE ROD FOR EACH WYTHE OF MASONRY 4 INCHES OR LESS IN WIDTH.
2. TAB TYPE WITH SINGLE PAIR OF SIDE RODS SPACED FOR EMBEDMENT WITHIN EACH FACE SHELL OF BACKUP WYTHE AND RECTANGULAR BOX TYPE CROSS TIES SPACED NOT MORE THAN 16" O.C. SIZE TIES TO EXTEND AT LEAST HALF-WAY THROUGH OUTER WYTHE BUT WITH AT LEAST ¾" COVER TO OUTSIDE FACE.
3. ADJUSTABLE (Z-PIECE) TYPE WITH SINGLE PAIR OF SIDE RODS AND CROSS TIES SPACED NOT MORE THAN 16" O.C. AND WITH SEPARATE ADJUSTABLE VENERER TIES OR CORNERS. PROVIDE CORNER AND INTERMEDIATE CORNERS FOR EACH FACE SHELL OF RECTANGULAR SPACE TIES FOR EMBEDMENT WITHIN EACH FACE SHELL OF BACKUP WYTHE AND SIZE ADJUSTABLE TIES TO EXTEND AT LEAST HALF-WAY THROUGH OUTER WYTHE BUT WITH AT LEAST ¾" COVER ON OUTSIDE FACE.
4. USE WHERE INDICATED AND WHERE HORIZONTAL JOINTS OF FACING WYTHE DO NOT ALIGN WITH THOSE OF BACKUP WYTHE.
5. USE WHERE FACING WYTHE IS OF DIFFERENT MATERIAL THAN BACKUP WYTHE.

2.4 TIES AND ANCHORS, GENERAL

- A. GENERAL: PROVIDE TIES AND ANCHORS SPECIFIED IN SUBSEQUENT ARTICLES, MADE FROM MATERIALS THAT COMPLY WITH THIS ARTICLE, UNLESS OTHERWISE INDICATED.
- B. HOT-DIP GALVANIZED CARBON-STEEL WIRE: ASTM A 82, WITH ASTM A 153, CLASS B-2 COATING.
- 2.5 MORTAR AND GROUT MIXES
 - A. GENERAL: DO NOT USE ADMIXTURES, INCLUDING PIGMENTS, AIR-ENTRAINING AGENTS, ACCELERATORS, RETARDERS, WATER-REPLENISH AGENTS, ANTIFREEZE COMPOUNDS, OR OTHER ADMIXTURES, UNLESS OTHERWISE INDICATED.
 1. DO NOT USE CALCIUM CHLORIDE IN MORTAR OR GROUT.
 2. ADD COLD-WEATHER ADMIXTURE (IF USED) AT THE SAME RATE FOR ALL MORTAR, REGARDLESS OF WEATHER CONDITIONS, TO ENSURE THAT MORTAR COLOR IS CONSISTENT.
 - B. PREBLENDED, DRY MORTAR MIX: TURNISH DRY MORTAR INGREDIENTS IN THE FORM OF A PREBLENDED MIX. MEASURE QUANTITIES BY WEIGHT, ACCORDING TO PROPORTIONS, AND THOROUGHLY BLEND INGREDIENTS BEFORE DELIVERING TO PROJECT SITE.
 - C. MORTAR FOR UNIT MASONRY: COMPLY WITH ASTM C 270, TYPE N MORTAR.
 - D. PIGMENTED MORTAR: SELECT AND PROPORTION PIGMENTS WITH OTHER INGREDIENTS TO PRODUCE COLOR REQUIRED.
 - E. COLORED-AGGREGATE MORTAR: PRODUCE REQUIRED COLOR BY USING COLORED AGGREGATES COMBINED WITH SELECTED CHEMISTICAL MATERIALS
 - F. GROUT FOR UNIT MASONRY: COMPLY WITH ASTM C 476
 1. USE GROUT OF TYPE INDICATED OR, IF NOT OTHERWISE INDICATED, OF TYPE (FINE OR COARSE) THAT WILL COMPLY WITH TABLE 5 OF ACI 530.1/ASCE 6.7/MS 602 FOR DIMENSIONS OF GROUT SPACES AND POUR HEIGHT.
 2. PROVIDE GROUT WITH A SLUMP OF 8 TO 11 INCHES AS MEASURED ACCORDING TO ASTM C 143.
- C. EPOXY POINTING MORTAR: MIX EPOXY POINTING MORTAR TO COMPLY WITH MORTAR MANUFACTURER'S DIRECTIONS.

3.1 INSTALLATION, GENERAL

- A. PROVIDE BITUMINOUS DAMPROOFING ON EXTERIOR SURFACE OF CMU BACKUP WALL PRIOR TO LAYING BRICK (TREMCO MULISEAL OR EQ.)
- B. CUT MASONRY UNITS WITH MOTOR-DRIVEN SAWS TO PROVIDE CLEAN, SHARP UNCHIPPED EDGES. CUT UNITS AS REQUIRED TO PROVIDE A CONTINUOUS PATTERN, AND TO FIT ADJOINING CONSTRUCTION, WHERE POSSIBLE. USE FULL-SIZE UNITS WITHOUT CUTTING. UNITS WHICH CANNOT BE FULLY FITTED SHOULD BE CUT TO FIT. PROVIDE FULL LENGTH OF UNITS AS SPECIFIED. INSTALL CUT UNITS WITH CUT SURFACES AND, WHERE POSSIBLE, CUT EDGES CONCEALED.
- C. SELECT AND ARRANGE UNITS FOR EXPOSED UNIT MASONRY TO PRODUCE A UNIFORM BLEND OF COLORS AND TEXTURES. MIX UNITS FROM SEVERAL PALLETS OR CUBES AS THEY ARE PLACED.
- D. LAYING OF BRICK: LAY BRICK BEFORE LAYING IF THE INITIAL RATE OF ABSORPTION EXCEEDS 10%/26% PER UNIT WHO TESTED PER ASTM C 67. ALL CUT UNITS TO ABSORB WATER SO THEY ARE DAMP BUT NOT WET AT THE TIME OF LAYING.
- 3.2 CONSTRUCTION TOLERANCES
 - A. COMPLY WITH TOLERANCES IN ACI 530.1/ASCE 6.7/MS 602 AND THE FOLLOWING:
 - B. FOR CONSPICUOUS VERTICAL LINES, DO NOT VARY FROM PLUMB BY MORE THAN ¼" IN 20 FEET, NOR ¾" MAXIMUM.
 - C. FOR CONSPICUOUS HORIZONTAL LINES, DO NOT VARY FROM LEVEL BY MORE THAN ¼" IN 20 FEET, NOR ¾" MAXIMUM.
 - D. FOR EXPOSED BED JOINTS, DO NOT VARY FROM THICKNESS INDICATED BY MORE THAN PLUS OR MINUS ¾", WITH A MAXIMUM THICKNESS LIMITED TO ¾". DO NOT VARY FROM BED JOINT THICKNESS OF ADJACENT COURSES BY MORE THAN ¾".
 - E. FOR EXPOSED HEAD JOINTS, DO NOT VARY FROM THICKNESS INDICATED BY MORE THAN PLUS OR MINUS ¾". DO NOT VARY FROM ADJACENT BED-JOINT AND HEAD-JOINT THICKNESSES BY MORE THAN ¾".

3.3 LAYING MASONRY WALLS

- A. BOND PATTERN FOR EXPOSED MASONRY: LAY EXPOSED MASONRY IN THE FOLLOWING BOND PATTERN AND USE UNITS WITH LESS THAN NOMINAL 4-INCH HORIZONTAL FACE DIMENSIONS AT CORNERS.
 1. ONE-HALF RUNNING BOND WITH VERTICAL JOINT IN EACH COURSE CENTERED ON UNITS IN COURSES ABOVE AND BELOW.
 2. ROWLOCK COURSES AS INDICATED ON THE DRAWINGS.
- B. STOPPING AND RESUMING WORK: IN EACH COURSE, RACK BACK ONE-HALF UNIT LENGTH FOR ONE-HALF RUNNING BOND OR ONE-THIRD UNIT LENGTH FOR ONE-THIRD RUNNING BOND. WORKING ENDS OF COURSES SHOULD BE FINISHED BY LAYING MASONRY UNITS LIGHTLY IF REQUIRED, AND REMOVE LOOSE MASONRY UNITS AND MORTAR BEFORE LAYING FRESH MASONRY.
- 3.4 MORTAR BEDDING AND JOINTING
 - A. LAY SOLID BRICK-SIZE MASONRY UNITS WITH COMPLETELY FILLED BED AND HEAD JOINTS. BUTTER ENDS WITH SUFFICIENT MORTAR TO FILL HEAD JOINTS AND SHOVE INTO PLACE. DO NOT DEEPLY FURROW BED JOINTS OR SLUSH HEAD JOINTS.
 - B. TOOL EXPOSED JOINTS SLIGHTLY CONCAVE WHEN THUMBPRINT HARD, USING A JOINTER LARGER THAN THE JOINT THICKNESS, UNLESS OTHERWISE INDICATED.
- 3.5 BONDING OF MULTITWYTHE MASONRY

- A. USE INDIVIDUAL METAL TIES INSTALLED IN HORIZONTAL JOINTS TO BOND WYTHES TOGETHER. PROVIDE TIES AS SHOWN, BUT NOT LESS THAN ONE METAL TIE FOR 2.67 SQ. FT. OF WALL AREA SPACED NOT TO EXCEED 24" O.C. HORIZONTALLY AND 16" O.C. VERTICALLY. STAGGER TIES ON ALTERNATE COURSES.
- B. USE MASONRY JOINT REINFORCEMENT INSTALLED IN HORIZONTAL MORTAR JOINTS TO BOND WYTHES TOGETHER.
- C. USE EITHER BONDING SYSTEM SPECIFIED ABOVE.
- D. CORNERS: PROVIDE INTERLOCKING MASONRY UNIT BOND IN EACH WYTHE AND COURSE AT CORNERS, UNLESS OTHERWISE INDICATED. PROVIDE CONTINUITY WITH MASONRY JOINT REINFORCEMENT AT CORNERS BY USING PREFABRICATED "L" UNITS AS WELL AS MASONRY BONDING.

3.6 MASONRY JOINT REINFORCEMENT

- A. GENERAL: PROVIDE CONTINUOUS MASONRY JOINT REINFORCEMENT AS INDICATED. INSTALL ENTIRE LENGTH OF LONGITUDINAL SIDE RODS IN MORTAR WITH A MINIMUM COVER OF ¾" ON EXTERIOR SIDE OF WALLS, ½" ELSEWHERE. LAP REINFORCEMENT A MINIMUM OF 6".
- B. PROVIDE CONTINUITY AT CORNERS BY USING PREFABRICATED "L" SECTIONS.
- 3.7 ANCHORING MASONRY VENERERS
 - A. ANCHOR MASONRY VENERERS TO MASONRY BACKUP WITH MASONRY-VENERER ANCHORS TO COMPARE WITH THE FOLLOWING REQUIREMENTS:
 1. FASTEN ANCHORS TO MASONRY BACKUP WITH METAL FASTENERS OF TYPE INDICATED.
 2. EMBED TIE SECTIONS IN MASONRY JOINTS
 3. LOCATE ANCHOR SECTIONS TO ALLOW MAXIMUM VERTICAL DIFFERENTIAL MOVEMENT OF TIES UP AND DOWN
 4. SPACE ANCHORS AS INDICATED, BUT NOT MORE THAN 16" O.C. VERTICALLY AND 24" O.C. HORIZONTALLY, WITH NOT LESS THAN 1 ANCHOR FOR EACH 2 SQ. FT. OF WALL AREA.
- 3.8 REPAIRING, POINTING, AND CLEANING
 - A. REMOVE AND REPLACE MASONRY UNITS THAT ARE LOOSE, CHIPPED, BROKEN, STAINED OR OTHERWISE DAMAGED OR THAT DO NOT MATCH ADJOINING UNITS. INSTALL NEW UNITS TO MATCH ADJOINING UNITS. INSTALL IN FRESH MORTAR, POINTED TO ELIMINATE EVIDENCE OF REPLACEMENT.
 - B. POINTING: DURING THE TOOLING OF JOINTS, ENLARGE VOIDS AND HOLES, EXCEPT WEEP HOLES, AND COMPLETELY FILL WITH MORTAR. POINT JOINTS, INCLUDING CORNERS, AND BRUSH TO REMOVE EXCESS MORTAR. PROVIDE A NEAT, UNIFORM APPEARANCE. PREPARE JOINTS FOR SEALANT APPLICATION.
 - C. IN-PROGRESS CLEANING: CLEAN FINIS MASONRY AS WORK PROGRESSES BY DRY BRUSHING TO REMOVE MORTAR FINIS AND SMEARS BEFORE TOOLING JOINTS.
 - D. FINAL CLEANING: AFTER MORTAR IS THOROUGHLY SET AND CURED, CLEAN EXPOSED MASONRY AS FOLLOWS:
 1. REMOVE EXCESS MORTAR PARTICLES BY HAND WITH WOODEN PADDOLES AND NONMETALLIC SCRAPER HOES OR CHISELS.
 2. TEST CLEANING METHODS ON SAMPLE WALL PANEL, LEAVE ONE-HALF OF PANEL UNCLEANED FOR COMPARISON PURPOSES. OBTAIN ARCHITECT'S APPROVAL OF SAMPLE CLEANING BEFORE PROCEEDING WITH CLEANING OF MASONRY.
 3. PROTECT ADJACENT STONE AND NON-MASONRY SURFACES FROM CONTACT WITH CLEANER BY COVERING THEM WITH LIQUID STRIPABLE MASKING AGENT, POLYETHYLENE FILM, OR WATERPROOF MASKING TAPE.
 4. WET WALL SURFACES WITH WATER BEFORE APPLYING CLEANERS. REMOVE CLEANERS FROM WALLS COMPLETELY BY DRY BRUSHING.
 5. CLEAN BRICK BY THE BRACKET-AND-BRUSH HAND-CLEANING METHOD DESCRIBED IN BIA TECHNICAL NOTES NO. 20 USING JOB-MIXED DETERGENT SOLUTION.
 6. CLEAN MASONRY WITH A PROPRIETARY ACOIC CLEANER APPLIED ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
 7. CLEAN CONCRETE MASONRY BY CLEANING METHOD INDICATED IN NOMA TEK 8-2 APPLICABLE TO TYPE OF STAIN ON EXPOSED SURFACES.

COOPER JOHNSON SMITH
ARCHITECTS INC
102 S. 12TH STREET, TAMPA, FL 33602 813.273.0034 FAX: 273.0079
FLICAA 0002003

Swann Avenue Fountain Park
Tampa, Florida

100 % Construction Documents Set

REVISIONS	
NO.	DESCRIPTION

DATE: **5-27-14**

SCALE: **1/20=1'**

TITLE: **A12.0**

DESIGN CRITERIA NOTES:

1. THE INTENDED DESIGN STANDARDS AND/OR CRITERIA ARE AS FOLLOWS:
GENERAL • FLORIDA BUILDING CODE -2010 RESIDENTIAL
2. DESIGN GRAVITY LOAD LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:
ROOF 20 PSF
3. DESIGN GRAVITY DEAD LOADS ARE THE ACTUAL WEIGHT OF ALL COMPONENTS.

DESIGN WIND CRITERIA:

1. DESIGN WIND LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE AS FOLLOWS:
DESIGN WIND SPEED ON VEHIL 29.9 40 MPH (ULTIMATE WIND SPEED) = 109 MPH (NOMINAL) RISK CATEGORY II EXPOSURE-C

DESIGN GEOTECHNICAL CRITERIA:

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

TERMITE PROTECTION:

1. ALL BUILDINGS SHALL HAVE PRECONSTRUCTION TREATMENT PROTECTION AGAINST SUBTERRANEAN TERMITES. TERMITE PROTECTION AND INSPECTION MUST BE IN ACCORDANCE WITH SECTION R318 OF THE FBC 2010.

ROOF ASSEMBLIES:

1. ALL ROOF ASSEMBLIES MUST MEET THE FBC WIND RESISTANT RATINGS FOR THE SPECIFIED WIND LOADING.
2. THE ROOFING MANUFACTURER SHALL SUBMIT ALL NECESSARY DOCUMENTS VERIFYING COMPLIANT FBC WIND RESISTANT RATINGS FOR ROOF FASTENERS, UNDERLAYMENT AND FLASHING.

GENERAL STRUCTURAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY REGULATIONS AND REGULATIONS DURING THE WORK. THE EMPLOYER WILL NOT HOLD THE CONTRACTOR RESPONSIBLE FOR SAFETY PRECAUTIONS AND PROGRAMS.
2. THE STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AND PROVISIONS TO MAINTAIN THE STRUCTURE PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
3. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES AND SEQUENCES OR PROCEDURES TO PERFORM THE WORK. THE COMPLETION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. LOADING APPLIED TO THE STRUCTURE DURING THE PROCESS OF CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBERS.
5. THE STRUCTURAL ENGINEER IS RESPONSIBLE FOR THE STRUCTURAL COMPONENTS OF THE BUILDING AND THEIR CONNECTIONS INCLUDING, PAINTING, WATERPROOFING, ELECTRICAL, MECHANICAL, ETC.

FOUNDATION NOTES:

1. IT IS SUGGESTED THAT THE OWNER EMPLOY A GEOTECHNICAL ENGINEER TO OBTAIN THE SOIL BEARING CAPACITY OF ALL MATERIALS TO BE USED. THE SOIL BEARING CAPACITY OF ALL MATERIALS SHALL BE OBTAINABLE AT A DEPTH OF 2000PSF IS OBTAINABLE.
2. THE BUILDING SITE SHOULD BE STRIPPED AND CLEARED OF ALL OBSTRUCTIONS AND WEEDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ARCHITECT/ENGINEER IF SOIL CONDITIONS ARE UNCOVERED THAT PREVENT THE REQUIRED SOIL BEARING PRESSURE FROM BEING OBTAINED.
3. ALL FOOTINGS HAVE BEEN DESIGNED BASED UPON AN ASSUMED SOIL BEARING PRESSURE OF 2000 PSF. ALL FOOTINGS SHALL BEAR ON UNDISTURBED, FIRM NATURAL SOIL OR COMPACTED FILL. ALL BEARING SURFACES (FOOTINGS & SOG) ARE TO BE EVALUATED BY A GEOTECHNICAL ENGINEER / TESTING LAB PRIOR TO POURING CONCRETE. SUBGRADE SOILS SHALL BE COMPACTED TO A MINIMUM OF 95% RELATIVE DENSITY. IF NOT SPECIFIED USE 95% MINIMUM.
4. HORIZONTAL CONSTRUCTION JOINTS IN FOOTINGS WILL NOT BE PERMITTED. ALL VERTICAL CONSTRUCTION JOINTS OCCUR AT THE COMMONS FOUNDING, PROVIDE A CONTINUOUS Z' X 4' KEYWAY.

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, CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH ASTM C-94.
2. CONCRETE SHALL CONFORM TO THE FOLLOWING COMPRESSIVE STRENGTH AND SLUMP:
CONCRETE MIN. FC (28 DAYS) SLUMP AGG. SIZE
FOOTINGS 3000PSI 3" TO 5" #47
GROUTED CELLS 2500PSI 8" TO 11" #89 (3/8)
3. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301. SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS.
4. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60.
5. ALL WELDED WIRE FABRIC (WVF) SHALL CONFORM TO ASTM A-185 (FLAT SHEETS ONLY).
6. ALL REINFORCING STEEL SHALL BE SET AND TIED IN PLACE PRIOR TO POURING OF CONCRETE, EXCEPT THAT VERTICAL DOWELS FOR MASONRY WALL REINFORCING MAY BE "FLOATED" IN PLACE.
7. REINFORCING STEEL, INCLUDING HOOKS AND BENDS, SHALL BE DETAILED IN ACCORDANCE WITH ACI 315. ALL REINFORCING STEEL INDICATED AS BEING CONTINUOUS (CON) SHALL BE LAPPED (#5 = 30')
8. UNLESS OTHERWISE NOTED FOR REINFORCEMENT, CONCRETE SHALL BE PROVIDED FOR REINFORCEMENT:
A) CONCRETE EXPOSED TO EARTH (FOOTINGS) = 3"
B) SLAB ON GRADE (WIRE MESH) = 1-1/2" TOP & BOTTOM
C) CONCRETE NOT EXPOSED TO EARTH OR WEATHER = 1-1/2"
9. WHERE REINFORCEMENT OR ANCHOR BOLTS ARE MISPLACED, A DRILLED AND EPOXY SYSTEM MAY BE USED WITH ENGINEERS APPROVAL.
USE A TWO COMPONENT EPOXY SYSTEM MEETING ASTM C881 REQUIREMENTS. ALL DRILLED HOLES SHALL BE FULLED TO AN EQUAL HOLE DIAMETER = BAR/ANCHOR DIAMETER + 1/4"
FOLLOW MANUFACTURERS INSTALLATION PROCEDURES, I.E. BLOW OUT HOLES WITH COMPRESSED AIR AND BRUSH CLEAN.

SLAB ON GRADE NOTES:

1. PROVIDE 4" CONCRETE SLABS REINFORCED WITH 6x6-W2.9 X W2.9 CHAINED AT 5FT O/C.
2. REFER TO GEOTECHNICAL REPORT FOR PREPARATION OF SITE. AS A MINIMUM THE FOLLOWING SHOULD BE PERFORMED. REFER TO GEOTECHNICAL REPORT FOR PROOF-ROLLING REQUIREMENTS IF ANY.
A. CLEAR AND STRIP ALL TOPSOILS OF VEGETATION AND ORGANIC MATERIALS.
B. COMPACT SUBGRADE TO MEET 95% DENSITY
C. ALL FILL MATERIAL SHALL BE CLEAN WASHED ENGINEERED SAND OR SAND/GRIT MIXTURES. ALL FILL SHALL BE PROVED IN THE GEOTECHNICAL REPORT. IF NOT SPECIFIED USE 95% MINIMUM. HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE W/ACI 305 AND TESTED.
E. TREAT ALL SOILS FOR TERMITES.
3. ALL WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH ASTM A-185. (FLAT SHEETS ONLY) LAP ADJOINING PIECES AT LEAST ONE FULL MESH.
4. UNLESS OTHERWISE APPROVED, ALL WELDED WIRE FABRIC SHALL BE CHAINED INTO POSITION INDICATED.
5. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301. SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS. ALL CONCRETE SHALL BE PROVIDED FOR REINFORCEMENT. HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE W/ACI 305
6. ALL SLABS ARE TO HAVE SAW CUT CONTROL JOINTS AT 12FT ON CENTER. SEE DETAIL. ALL SLABS ARE TO BE CURED WITH A DISPENSING MEMBRANE-FORMING CURING COMPOUND.

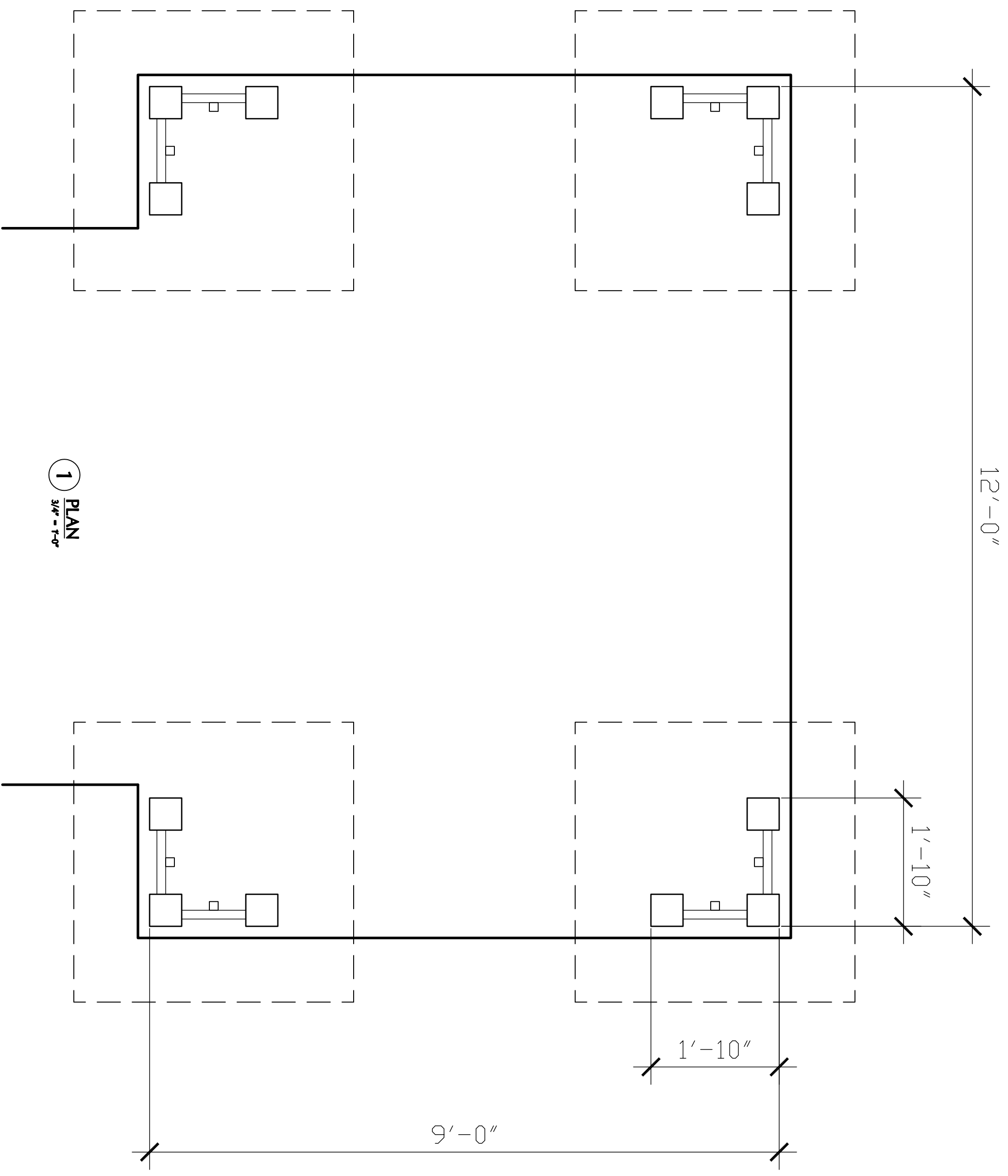
MASONRY NOTES:

1. MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1) PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE.
2. HOLLOW LOBB-BEARING MASONRY UNITS SHALL CONFORM TO ASTM C-90, AND BE MADE WITH NORMAL WEIGHT AGGREGATE. MINIMUM NET AREA COMPRESSIVE STRENGTH SHALL BE (f'm) = 1,500 PSI AT AN AGE OF 28 DAYS, AS DETERMINED BY THE UNIT STRENGTH METHOD OF ACI 530.1.
3. FILL ALL BOND BEAMS AND REINFORCED CELLS SOLIDLY WITH GROUT. GROUT SHALL CONFORM TO ASTM C-476 AND SHALL OBTAIN A MIN. 28 DAY COMPRESSIVE STRENGTH OF (f'c) = 2,500 PSI. 8-11" SLUMP. MAXIMUM AGGREGATE SIZE=3/8". TESTED PER ASTM C-1019 EACH 5,000 SF. PROVIDE CLEANOUTS / OBSERVATION HOLES FOR ALL VERTICAL REINFORCEMENT. SELF-CONSOLIDATING GROUT (SCG) MAY BE USED WITH A SLUMP OF 22 TO 30
4. REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A-615, GRADE 60. PROVIDE A MINIMUM LAP #5 = 30" AT ALL SPACES, UNLESS INDICATED OTHERWISE.
5. MORTAR SHALL CONFORM TO ASTM C-270, TYPE S. ALL MORTAR SHALL MEET THE "PROPORTION SPECIFICATION" OF ASTM C-270 AND EVALUATED IN ACCORDANCE WITH ASTM C-780
M4 MORTAR-AGGREGATE RATIO TEST METHOD.
6. UNLESS OTHERWISE INDICATED, ALL WALLS SHALL BE LAID IN RUNNING BOND. BOND CORNERS AND INTERSECTIONS OF ALL LOAD-BEARING WALLS.
7. PROVIDE REBAR DOWELS FROM FOUNDATIONS TO MATCH VERTICAL REINFORCING SIZE AND SPACING. DOWELS SHALL HAVE STANDARD 90 DEGREE HOOKS AND LAP WITH THE FIRST LIFT OF REINFORCING.

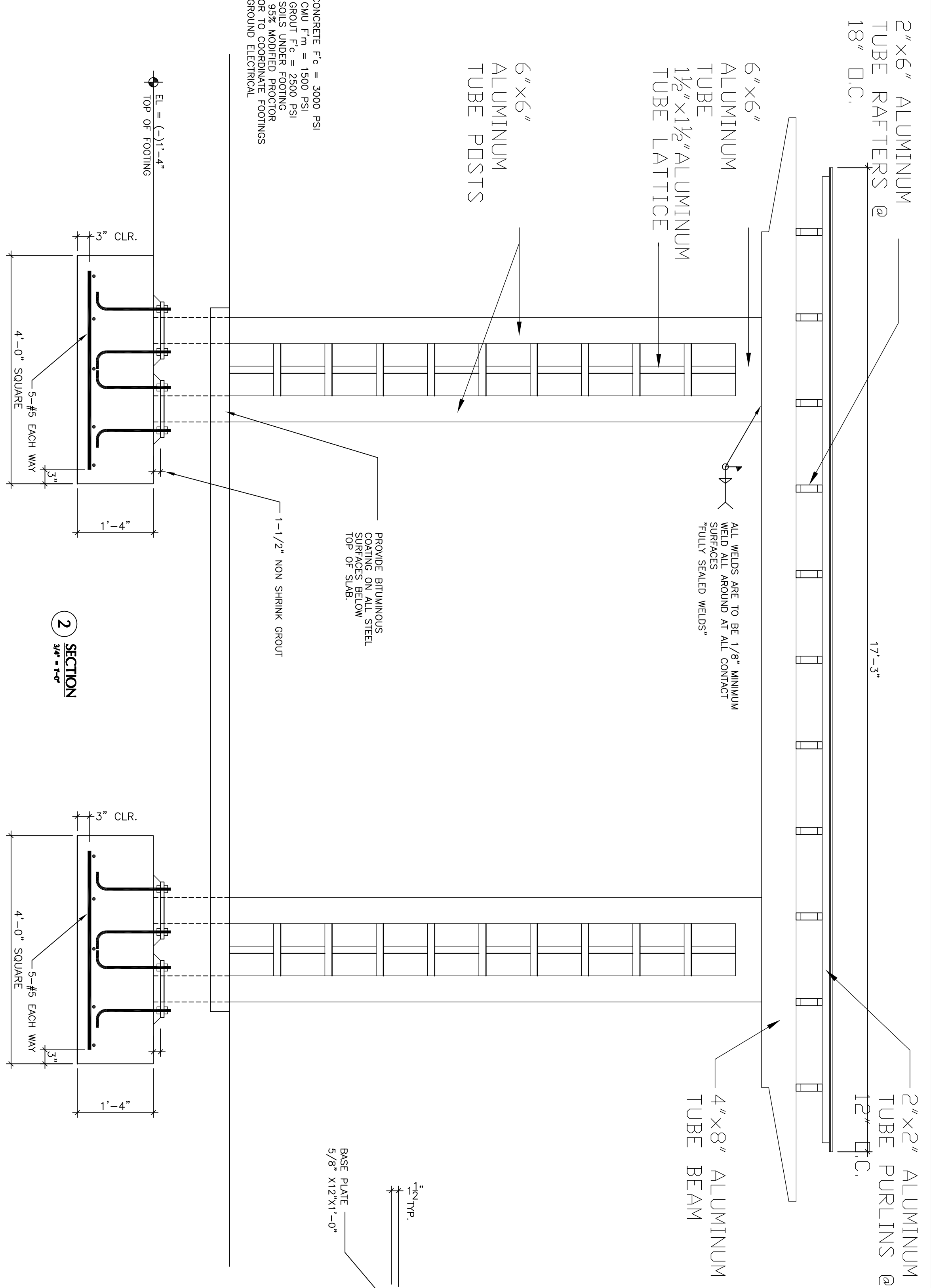
STRUCTURAL ALUMINUM NOTES:

1. ALL ALUMINUM SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE "ALUMINUM DESIGN MANUAL" THE ALUMINUM ASSOCIATION
2. UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING ASTM SPECIFICATIONS:
MEMBER 6061-T6
STRUCTURAL TUBING HSS STAINLESS STEEL 316
THREADS ROOFS STAINLESS STEEL 316
3. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS UNLESS OTHERWISE NOTED. WELDS SHALL BE DONE BY A CURRENTLY CERTIFIED WELDER IN ACCORDANCE WITH "AWS".
4. HOLES IN ALUMINUM FOR OTHER TRADES SHALL BE DRILLED OR PUNCHED AND DETAILED ON THE SHOP DRAWINGS. ALL SLOTTED HOLES AND TIGHT CUTTING AT THE SITE IS NOT PERMITTED.
5. SEE ARCHITECTURAL DRAWINGS FOR PAINTING/COATING REQUIREMENTS PROTECTION COATINGS DAMAGED DURING THE TRANSPORTING, THE FIELD TO MATCH THE SHOP APPLIED COATING.

DATE		
REV	DESCRIPTION	
12/02/23	12023 / MSE-13-036	
DATE	05-27-14	
REV	DESCRIPTION	
1	ISSUED FOR PERMIT	
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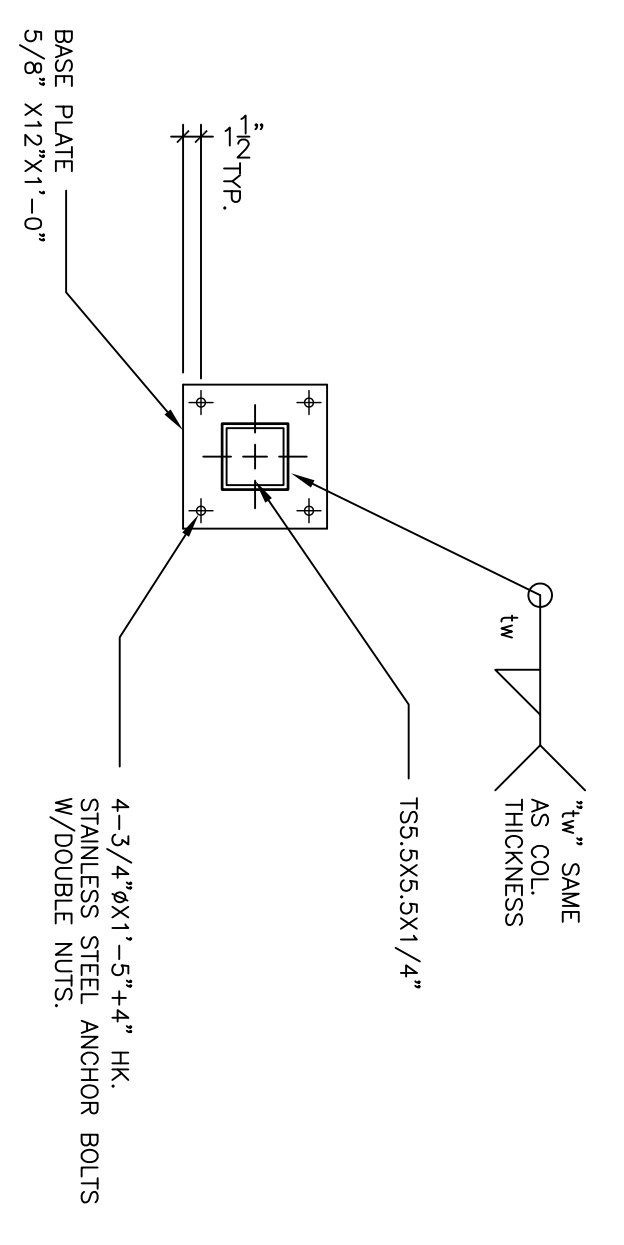
1 PLAN
3/8" = 1'-0"

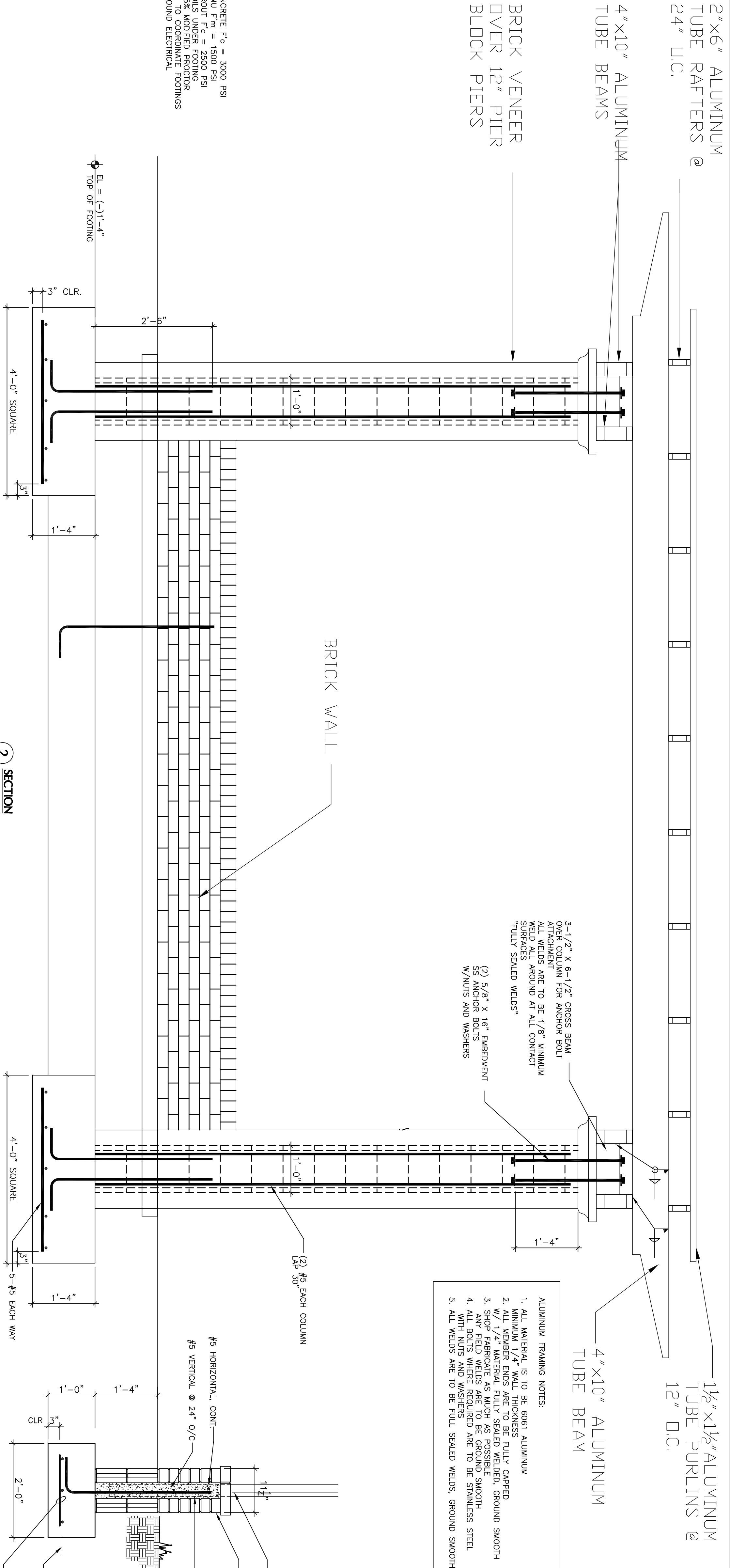
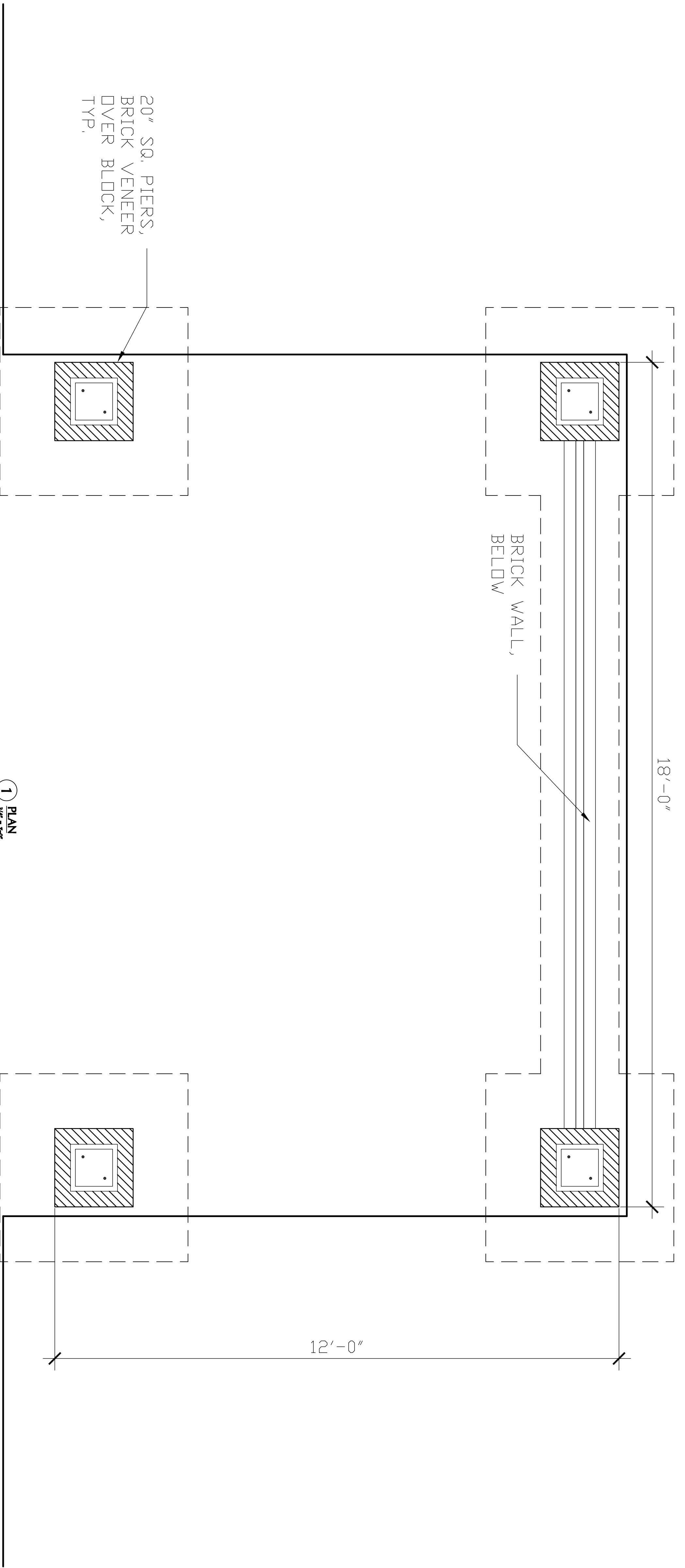


- NOTES:
1. FOOTING CONCRETE $F'_c = 3000$ PSI
 2. MASONRY CMU $F'_m = 1500$ PSI
 3. MASONRY GROUT $F'_c = 2500$ PSI
 4. TO MEET 95% MODIFIED PROCTOR
 5. CONTRACTOR TO COORDINATE FOOTINGS WITH IN GROUND ELECTRICAL

2 SECTION
3/8" = 1'-0"

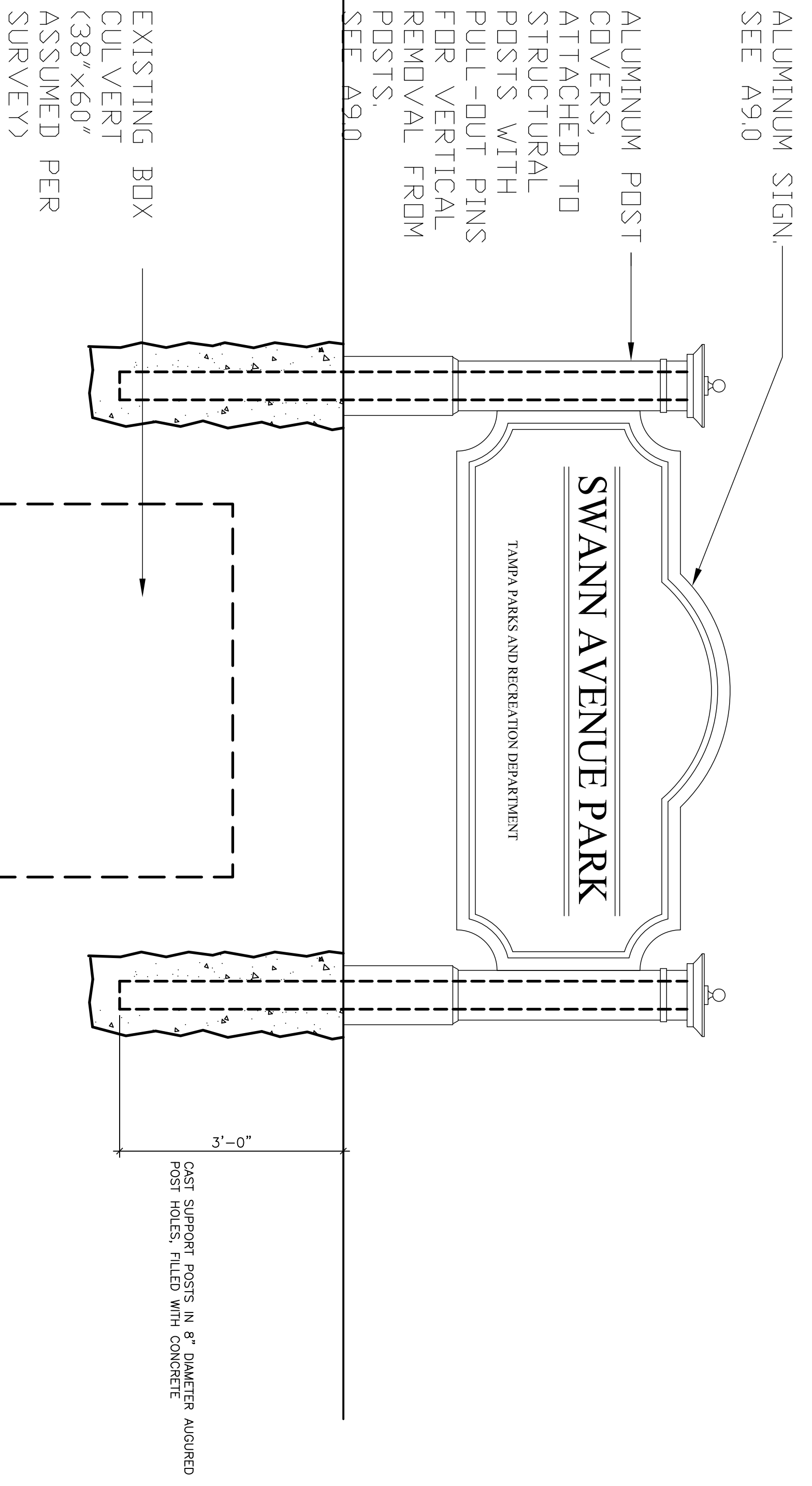
- ALUMINUM FRAMING NOTES:
1. ALL MATERIAL IS TO BE 6061 ALUMINUM
 2. ALL MEMBER ENDS ARE TO BE FULLY CAPPED
 3. ALL MATERIAL FULLY SEALED WELDED, GROUND SMOOTH
 4. ALL BOLTS WHERE REQUIRED ARE TO BE STAINLESS STEEL WITH NUTS AND WASHERS
 5. ALL WELDS ARE TO BE FULL SEALED WELDS, GROUND SMOOTH



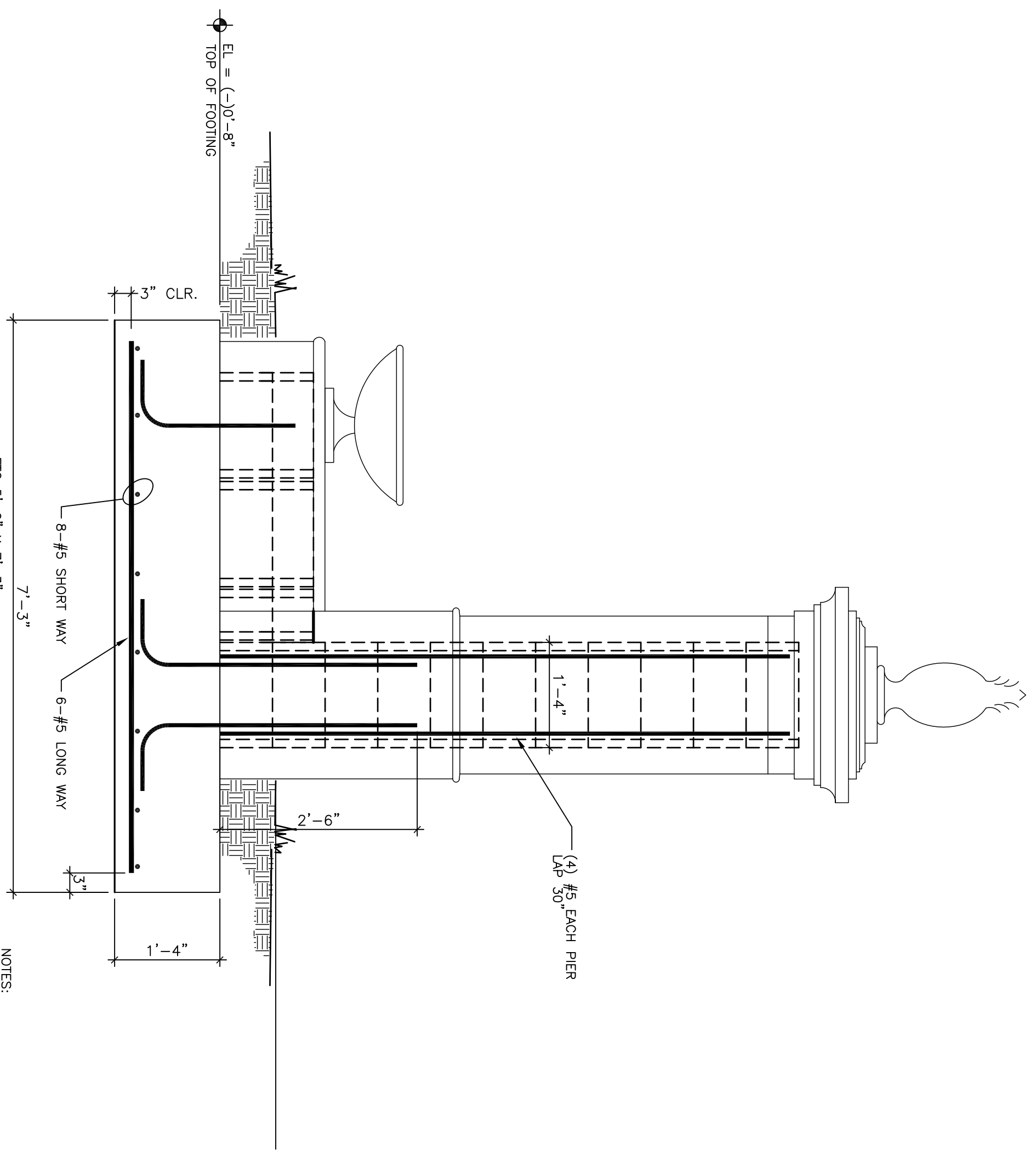
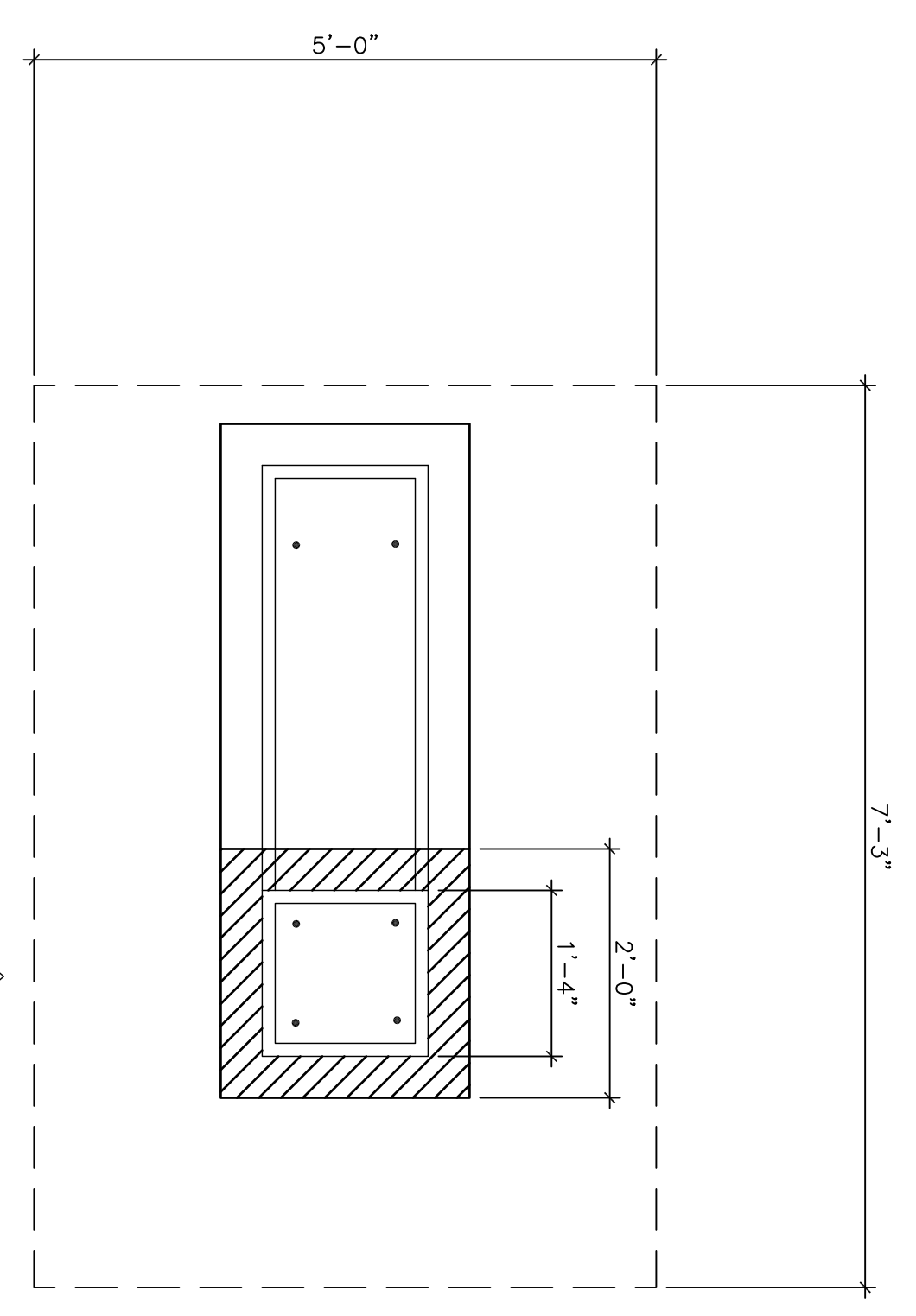


- NOTES:
1. FOOTING CONCRETE F_c = 3000 PSI
 2. REINFORCING BARS ARE TO BE #5
 3. MASONRY GROUT F_c = 2500 PSI
 4. COMPACT SOILS UNDER FOOTING
 5. TO MEET 5% MODIFIED PROCTOR WITH IN GROUND ELECTRICAL

<p>100% Construction Documents</p>	<p>Swann Avenue Park Hyde Park Neighborhood Association Tampa, Florida</p>	<p>COOPER JOHNSON SMITH ARCHITECTS INC 102 S. 12TH STREET, TAMPA, FL 33602-8133, 273.0034 FAX: 273-0079 FL LIC AA 002055</p>		<p>DATE: 05-27-14</p>	<p>PROJECT: 12023 / MSE-13-036</p>	<p>NO. 1</p>	<p>SHEET NO. S1.3</p>
		<p>100%</p>	<p>100%</p>	<p>100%</p>	<p>100%</p>	<p>100%</p>	<p>100%</p>



2 SIGN DETAIL
3/4" = 1'-0"



1 PIER SECTION
3/4" = 1'-0"

- NOTES:
1. FOOTING CONCRETE $f'_c = 3000$ PSI
 2. MASONRY CMU $f'_m = 1500$ PSI
 3. MASONRY GROUT $f'_c = 2500$ PSI
 4. COMPACT SOILS UNDER FOOTING
 10. MEET SSP WASHFIELD PROCTOR

SHEET TITLE		DATE	
NO. 1		05-27-14	
PROJECT NO.		12023 / MSE-13-036	
SHEET NO.		05-27-14	
SCALE		AS SHOWN	
REVISIONS			
DATE			
BY			
CHECKED			
APPROVED			
SHEET #		51.5	

