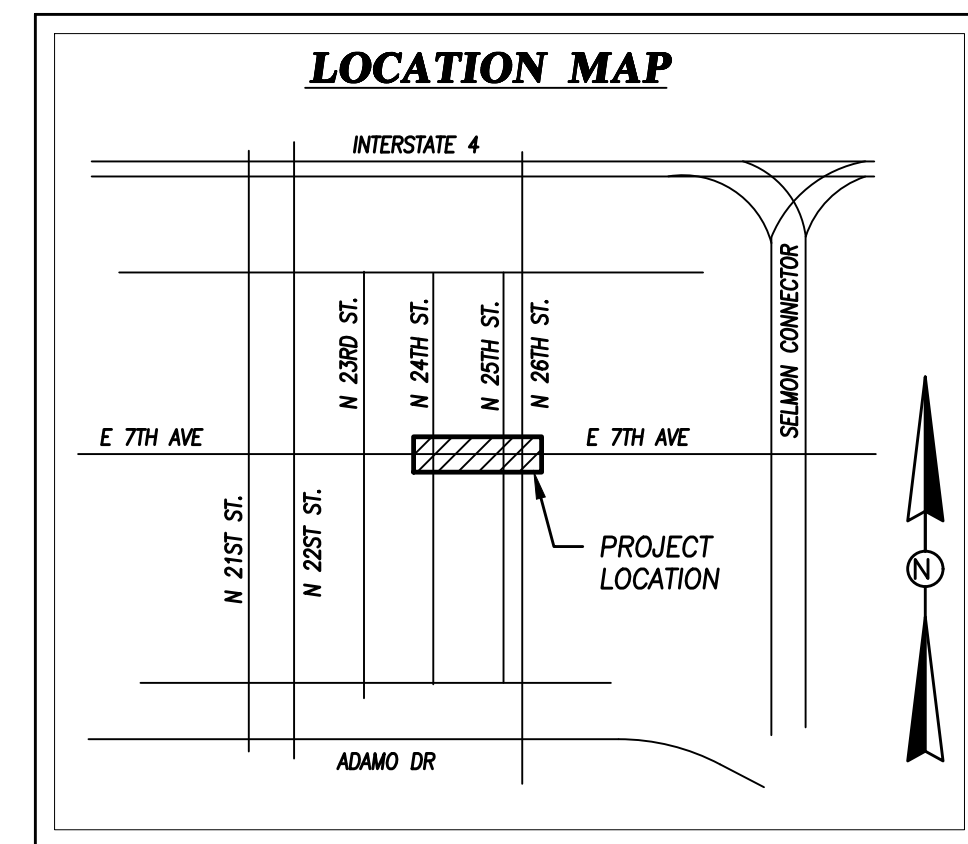


YBOR CITY STREETScape IMPROVEMENTS

7TH AVE. FROM 24TH ST. TO 26TH ST.

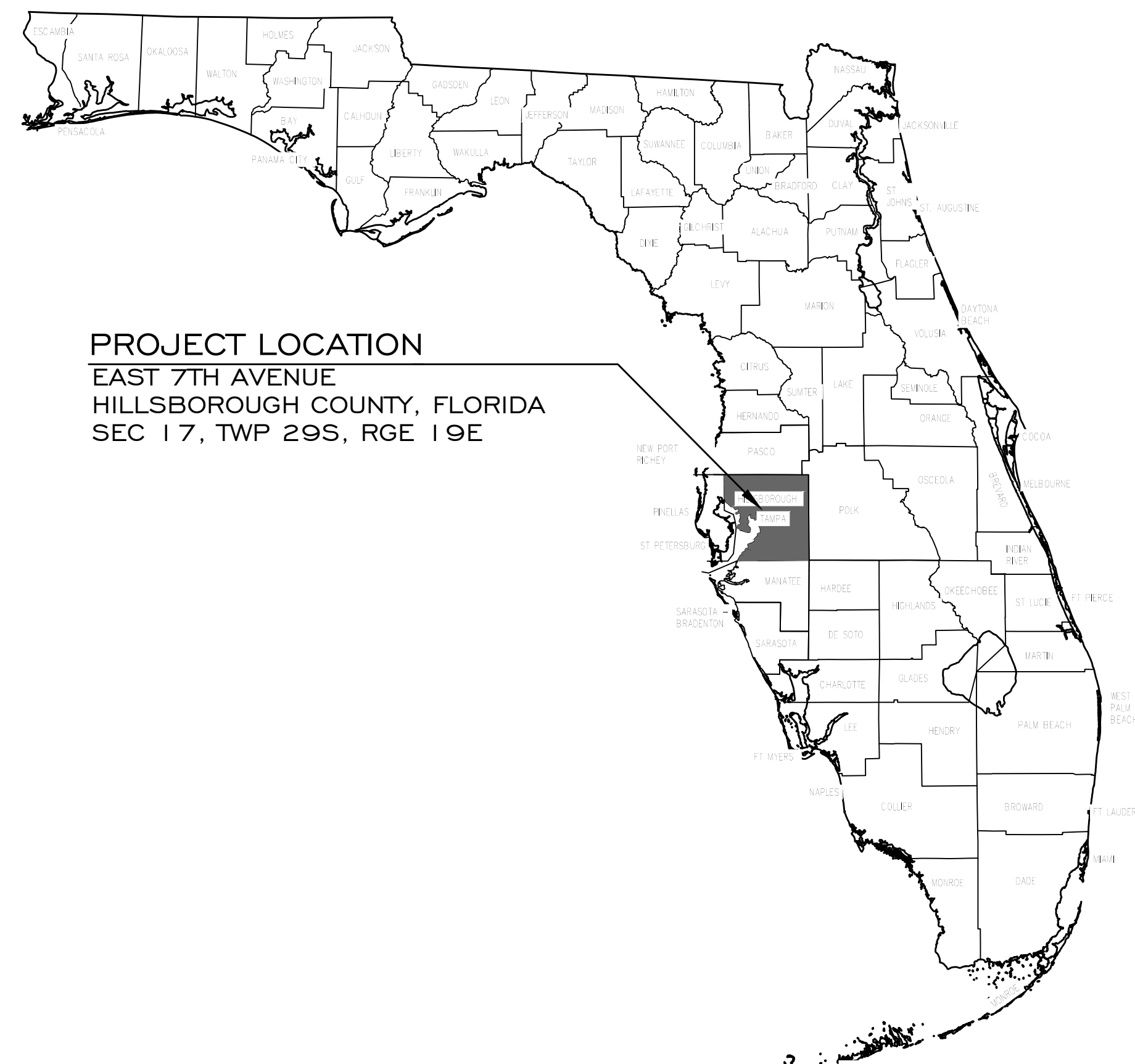
CONTRACT 17-C-00035



3409 W. LEMON STREET
TAMPA, FL 33609

LB #7013 CA #8474

TEL (813) 250-3535
FAX (813) 250-3636



ENGINEER/SURVEYOR

HAMILTON ENGINEERING & SURVEYING, INC.
ATTN: LUCAS CARLO, P.E.
3409 W. LEMON STREET
TAMPA, FLORIDA 33609
(813) 250-3535
(813) 250-3636 (FAX)

OWNER

CITY OF TAMPA
CONTRACT ADMINISTRATION DEPT.
ATTN: KEVIN HENIKA, AIA
306 E. JACKSON STREET 4N
TAMPA, FL 33602
(813) 274-8456
(813) 274-8080 (FAX)

ARCHITECT

WILDER ARCHITECTURE, INC.
ATTN: KIM HEADLAND, AIA
1315 E. SEVENTH AVENUE, SUITE 106
TAMPA, FLORIDA 33605
(813) 242-6677

ELECTRICAL

ANSTON-GREENLEES, INC.
ATTN: ROBERT C. ANSTON, P.E.
1315 WEST FLETCHER AVENUE
TAMPA, FLORIDA 33612
(813) 963-1919

LANDSCAPE

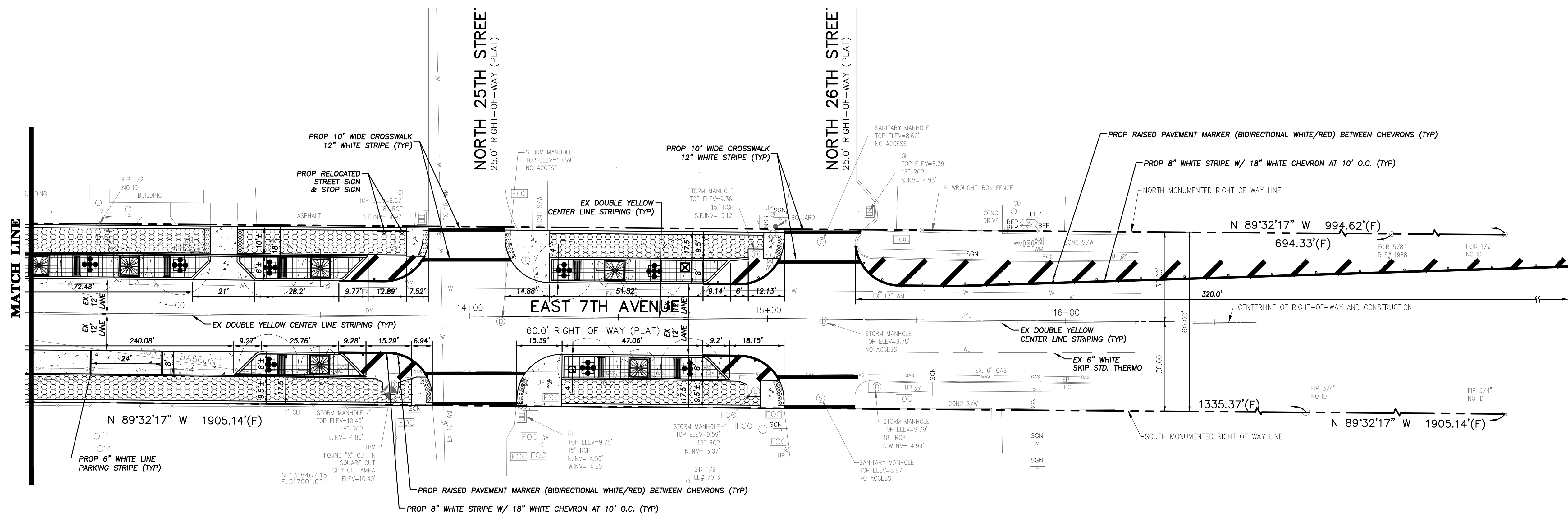
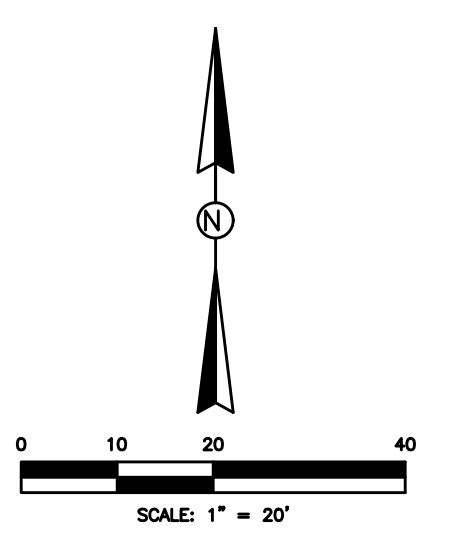
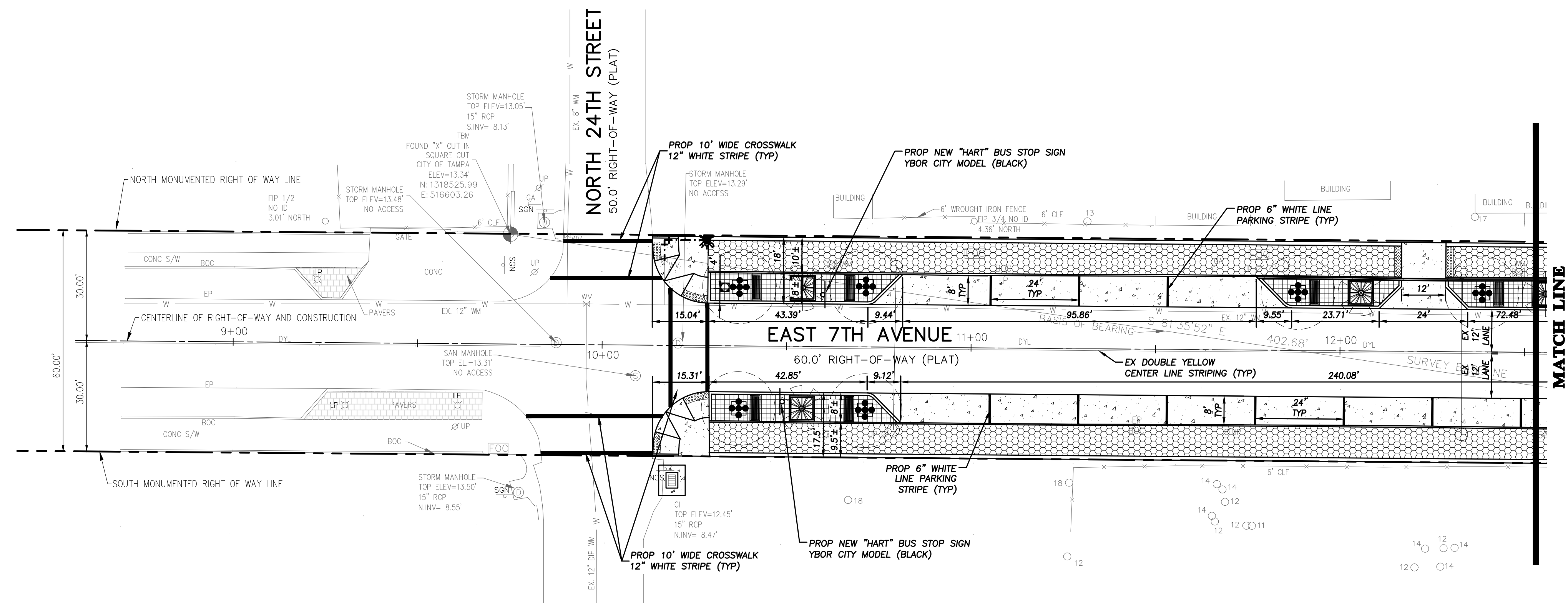
ANDERSON LESNIAK LIMITED, INC.
ATTN: BRIAN GOE
4921 S. WESTSHORE BLVD.
TAMPA, FLORIDA 33611
(813) 831-9595

DRAWING INDEX

I OF I

LUCAS CARLO, PE
LICENSE # 61636

J:\0 To 500\00449 City of Tampa\0013 YBOR CITY STREETScape(TH-AE)\ENGR\DWG\Construction\SIGNING & MARKING PLAN.dwg (SPW PLAN) Rev'd Apr. 06, 2021 - 8:02am



NOTE
PROPOSED PAVEMENT STRIPING MATERIAL SHALL BE THERMOPLASTIC.

SIGNING, PAVEMENT & MARKING PLAN
YBOR CITY STREETScape IMPROVEMENTS
YBOR CITY, TAMPA
HILLSBOROUGH COUNTY, FLORIDA

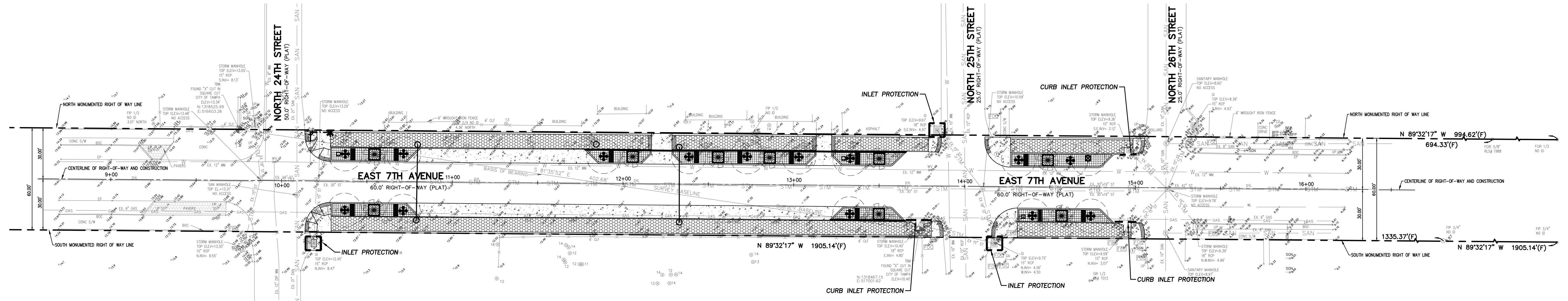
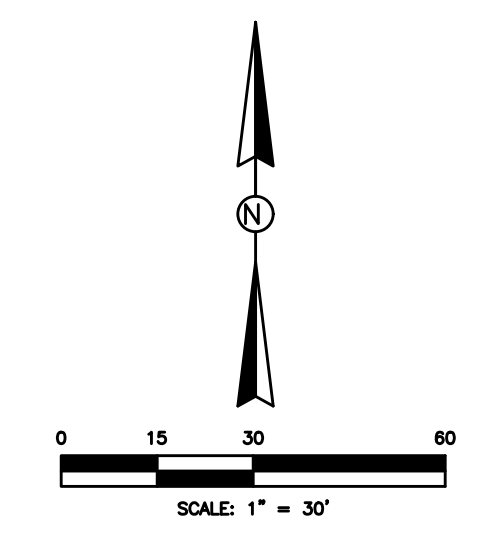
NO.	DATE	REVISION

Lucas Carlo RE
License # 016536
DRAWN BY: RG
CHECKED BY: L. CARLO
JOB #: 00449.0013
SEC TWP RING: 17-29S-18E
DATE: 04-21-2020

DESCRIBE THE NATURE OF THE CONSTRUCTION ACTIVITY	CONSTRUCTION OF ROADWAY AND PEDESTRIAN IMPROVEMENTS ALONG 7TH AVENUE
DESCRIBE THE SEQUENCE OF MAJOR EVENTS	1. CONSTRUCT SILT FENCE (SEE PLAN VIEW) 2. BEGIN BUILDING CONSTRUCTION. 3. CONSTRUCT INSTALL STORM SEWER SYSTEM. 4. COMPLETE FINAL GRADING AND PAVING. 5. CONSTRUCT LANDSCAPING, AND FINAL STABILIZATION (GRASS SOD, SEED & MULCH, ETC)
TOTAL AREA OF THE SITE:	0.70 ACRES TOTAL AREA OF SITE TO BE DISTURBED: 0.70 ACRES
EXISTING DATA DESCRIBING SOIL AND STORMWATER DISCHARGE QUALITY:	N/A
ESTIMATE DRAINAGE AREA FOR EACH DISCHARGE POINT:	0.70 ACRES
LATITUDE AND LONGITUDE OF EACH DISCHARGE POINT AND IDENTITY OF EACH RECEIVING WATER OR MS4:	LATITUDE: 27° 57' 37" LONGITUDE: 82° 25' 53"
WASTE DISPOSAL, THIS MAY INCLUDE CONSTRUCTION DEBRIS, CHEMICALS, LITTER, AND SANITARY WASTES:	ALL CONSTRUCTION MATERIALS AND DEBRIS WILL BE PLACED IN A DUMPSTER AND HAULED OFF SITE TO A LANDFILL OR OTHER PROPER DISPOSAL SITE. THE DUMPSTER SHALL BE LOCATED AS SHOWN ON THE SITE MAP. NO MATERIALS WILL BE BURIED ON SITE.
OFFSITE VEHICLE TRACKING FROM CONSTRUCTION ENTRANCES/EXITS:	OFF SITE VEHICLE TRACKING OF SEDIMENTS AND DUST GENERATION WILL BE MINIMIZED VIA A ROCK CONSTRUCTION ENTRANCE PER FDOT NUMBER 106, DAILY STREET SWEEPING AND THE USE OF WATER TO KEEP DUST DOWN.
THE PROPER APPLICATION RATES OF ALL FERTILIZERS, HERBICIDES AND PESTICIDES USED AT THE CONSTRUCTION SITE:	FERTILIZERS AND PESTICIDES WILL BE USED AT A MINIMUM AND IN ACCORDANCE WITH THE MANUFACTURER'S SUGGESTED APPLICATION RATES.

DESCRIPTION OF CONTROLS BMPs, AND MEASURES TO BE IMPLEMENTED FOR EACH SOIL DISTURBING ACTIVITY:
SILT FENCE WILL BE CONSTRUCTED AROUND THE ENTIRE PERIMETER OF THE PROJECT AREA. THE STORMWATER RUNOFF WILL BE ACCEPTED BY THE EXISTING STORMWATER POND DURING AND AFTER THE COMPLETION OF CONSTRUCTION.
TEMPORARY STABILIZATION PRACTICES:
TOP OF SOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 21 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASS AND MULCH NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY. AREAS OF THE SITE WHICH ARE TO BE PAVED WILL BE TEMPORARILY STABILIZED BY APPLYING STABILIZATION AND BASE.
PERMANENT STABILIZATION PRACTICES:
ALL DISTURBED AREAS WILL BE STABILIZED WITH SOD AND / OR SEED & MULCH
STRUCTURAL CONTROLS IMPLEMENTED TO DIVERT STORMWATER FLOW FROM EXPOSED SOILS, STORE FLOWS, RETAIN SEDIMENT AND LIMIT STORMWATER RUNOFF:
ONE SETTLING BASIN WILL BE CONSTRUCTED TO REMOVE SEDIMENT PRIOR TO DISCHARGE. THE STORMWATER COLLECTION SYSTEM AND SETTLING BASIN WILL BE CONSTRUCTED FIRST.
SEDIMENT BASINS IMPLEMENTED FOR DISTURBANCE AREAS GREATER THAN 10 ACRES: N/A
PERMANENT STORMWATER MANAGEMENT CONTROL SYSTEMS TO BE INSTALLED DURING CONSTRUCTION PROCESS (SUCH AS DETENTION/RETENTION SYSTEMS AND VEGETATED SWALES):
ONE SETTLING BASIN WILL BE CONSTRUCTED TO REMOVE SEDIMENT PRIOR TO DISCHARGE. WATER QUALITY TREATMENT FOR THE FIRST 1/2" OF RUNOFF WILL BE PROVIDED IN THE PROPOSED STORMWATER SYSTEM.
DESCRIPTION OF MAINTENANCE PLAN FOR ALL STRUCTURAL AND NON-STRUCTURAL CONTROLS:
CONTRACTOR SHALL PROVIDE ROUTINE MAINTENANCE OF PERMANENT AND TEMPORARY SEDIMENT AND EROSION CONTROL FEATURES IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OR AS FOLLOWS, WHICHEVER IS MORE STRINGENT:
<ol style="list-style-type: none"> SILT FENCE SHALL BE INSPECTED AT LEAST WEEKLY. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER. MAINTENANCE SHALL BE PERFORMED ON THE ROCK ENTRANCE WHEN ANY VOID SPACES ARE FULL OF SEDIMENT. HAY BALES SHALL BE USED IN AREAS WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS. INSPECTION OF THE HAY BALES SHALL TAKE PLACE IMMEDIATELY AFTER EACH RAINFALL AND ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. INLET(S)/OUTFALLS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAIN EVENT AND ANY REQUIRED REPAIRS TO THE HAY BALES, SILT FENCE, OR FILTER FABRIC SHALL BE PERFORMED IMMEDIATELY. BARE AREAS OF THE SITE THAT WERE PREVIOUSLY SEEDED SHALL BE RESEED PER MANUFACTURER'S INSTRUCTIONS. MULCH AND SOD THAT HAS BEEN WASHED OUT SHALL BE REPLACED IMMEDIATELY. MAINTAIN ALL OTHER AREAS OF THE SITE WITH PROPER CONTROLS AS NECESSARY.

DESCRIPTION OF INSPECTION PROCEDURES AND INSPECTION DOCUMENTATION PROCEDURES (MUST OCCUR WEEKLY AND WITHIN 24 HOURS OF STORM EVENT OF OVER 0.5"):
<ol style="list-style-type: none"> ALL CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF 0.5-INCHES OR GREATER BY A CONTRACTOR'S REPRESENTATIVE. ALL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT SHALL BE INITIATED WITHIN 24 HOURS OF REPORT. BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE SILT FENCE. SILT FENCE SHALL BE INSPECTED REGULARLY FOR DEPTH OF SEDIMENT AND TEARS TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND. THE SEDIMENT BASINS SHALL BE INSPECTED DEPTH OF SEDIMENT AND BUILD UP OF SEDIMENT SHALL BE REMOVED WHEN IT REACHES 10% OF THE DESIGN CAPACITY OR AT THE END OF THE JOB. TEMPORARY AND PERMANENT GRASSING AND MULCHING AND SODDING SHALL BE INSPECTED FOR BARE SPOTS AND WASHOUTS. A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION BY THE CONTRACTOR AND SHALL BE KEPT IN AN ACTIVE LOG READILY AVAILABLE AT THE JOB SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE, REPAIR ACTIVITIES AND COMPLETING THE INSPECTION AND MAINTENANCE REPORT.
IDENTIFICATION AND DESCRIPTION OF ALL SOURCES OF NON-STORMWATER DISCHARGES:
IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:
<ol style="list-style-type: none"> WATER FROM WATER LINE FLUSHING. PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED). UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION). ALL NON-STORM WATER DISCHARGES SHALL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.



BENCHMARK	DATUM
ELEVATIONS SHOWN HEREON ARE BASED ON HILLSBOROUGH COUNTY BENCHMARK "Q-18" HAVING A PUBLISHED ELEVATION OF 17.27 FEET (NAVD88).	NAVD 1988
FLOOD ZONE	PANEL NO.
X	12057C0358H DATED 08-28-2008

CONSTRUCTION SURFACE WATER MANAGEMENT PLAN INFORMATION

OWNER:
CITY OF TAMPA
CONTRACT ADMINISTRATION DEPT.
ATTN: JAMES JACKSON, AIA
308 E JACKSON STREET 4N
TAMPA, FL 33602
(813) 274-8456
(813) 274-8080 (FAX)

OWNER SIGNATURE

JAMES JACKSON

CONTRACTOR / SUBCONTRACTOR

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER."

NAME	TITLE	COMPANY NAME, ADDRESS AND PHONE NUMBER	DATE
		TO BE DETERMINED	

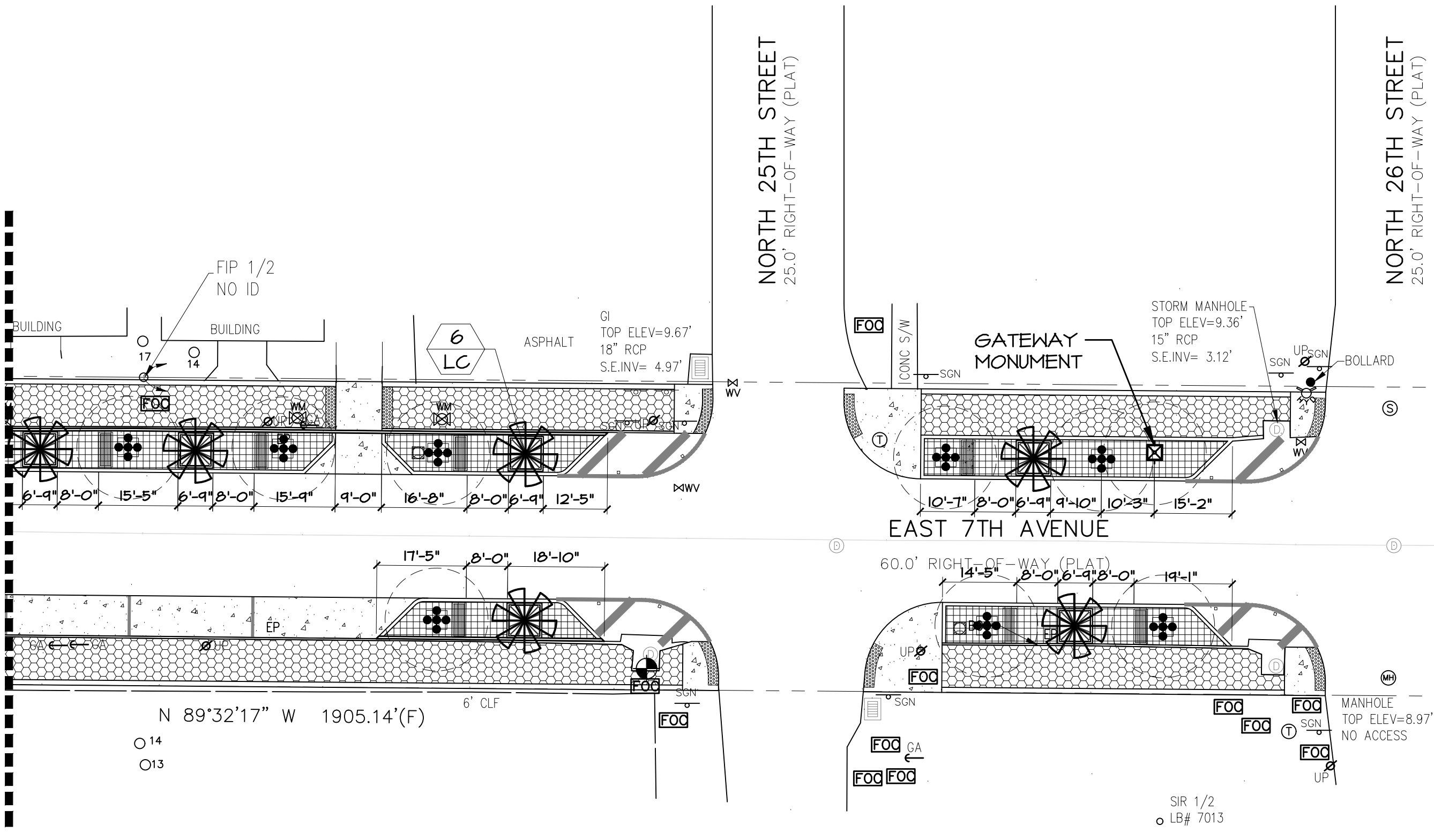
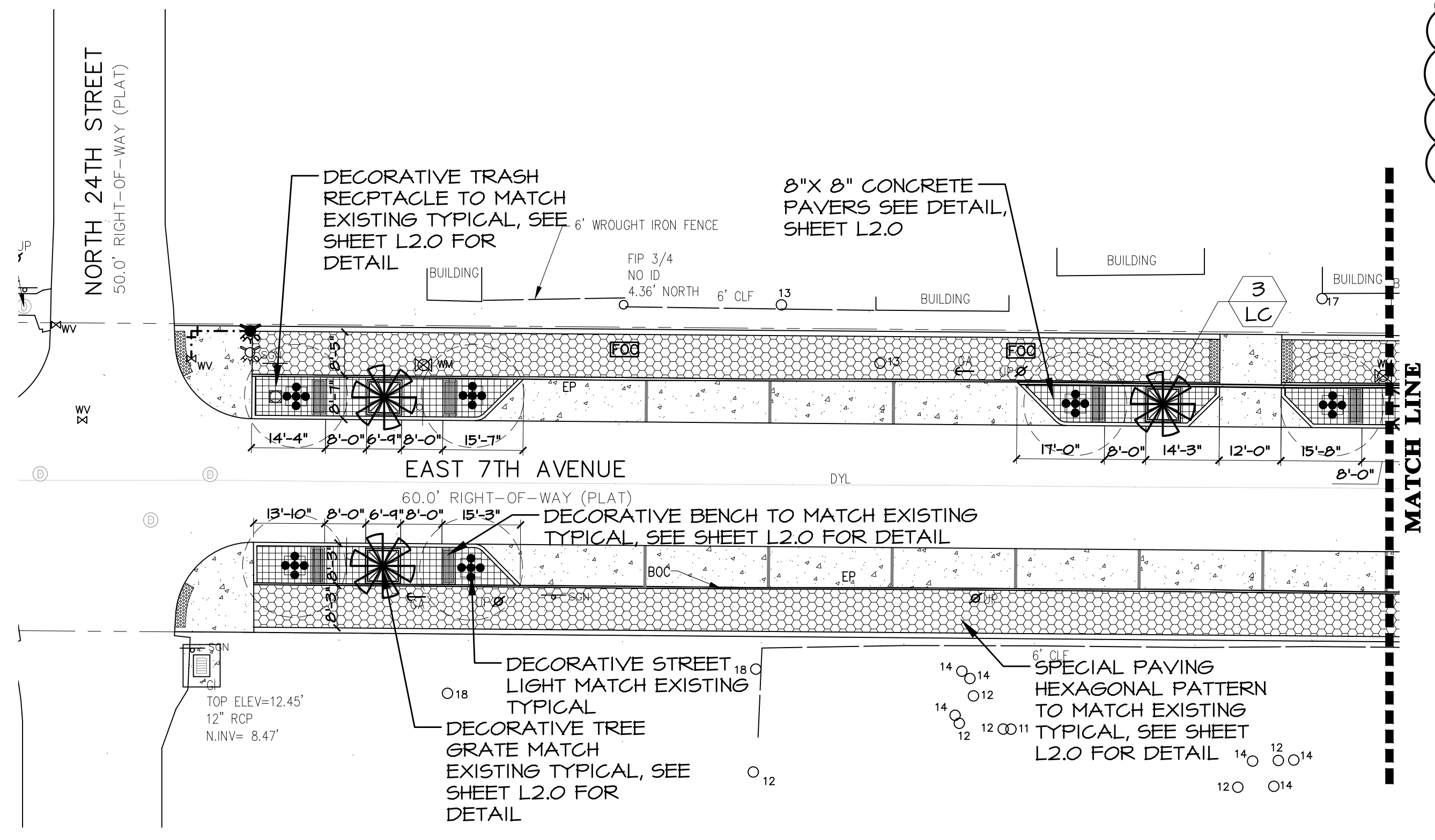
STORMWATER POLLUTION PREVENTION PLAN
YBOR CITY STREETScape IMPROVEMENTS
YBOR CITY, TAMPA
HILLSBOROUGH COUNTY, FLORIDA

NO.	DATE	REVISION

LUCAS CARLO, PE
LICENSE # 011636

DRAWN BY: RG	CHECKED BY: L. CARLO
JOB #: 00449.0013	
SEC TWP RING: 17-29S-18E	
DATE: 04-21-2020	

J:\0 To 500\00449 City of Tampa\0013 YBOR CITY STREETScape\7TH_AVE\ENGR\1 DWGs\Construction\GRADING PLAN.dwg (S:\P\PP) Roy G. Apr. 06, 2021 1: 8:02am



PLANT MATERIAL LIST

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	SPACING
LC	9	LIVISTONA CHINENSIS	CHINESE FAN PALM	14' CLEAR TRUNK HEIGHTS	AS SHOWN

HARDSCAPE MATERIAL LIST

QUANTITY	HARDSCAPE ITEM	SPECIFICATIONS	SPACING
13	DECORATIVE BENCH	MATCH EXISTING	AS SHOWN
3	DECORATIVE TRASH RECEPTACLE	MATCH EXISTING	AS SHOWN
9	DECORATIVE TREE GRATE	MATCH EXISTING	AS SHOWN
7,600 SF	HEXAGONAL PAVEMENT	MATCH EXISTING	AS SHOWN
2,350 SF	8" X 8" CONCRETE PAVERS	OLD CASTLE, COLOR ADOBE	AS SHOWN

TECHNICAL MAINTENANCE PLAN - 180 DAYS

OPERATION	180 DAY CONTRACTED MAINTENANCE WEEKLY CYCLE				CITY OF TAMPA COMMITMENT ON YEARLY CYCLE											
	1	2	3	4	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
WATERING * DAYS	1	1	1	1												
WEEDING/ LITTER PICKUP	X				X	X	X	X	X	X	X	X	X	X	X	X
PRUNING																
FERTILIZING																
MOWING																
EDGING																
MULCHING																

WATER APPLICATION RATES
(For non-irrigated areas if applicable)

Trees and Palms	Saturate to 3' depth. Flood tree well or Ooze Tube.
Shrubs	2 gallons per plant, sprayed over entire planting bed.
Groundcovers/grasses	1 gallon per plant, sprayed over entire planting bed.
Turf	Saturate turf area to 1" prepared soil depth.

FERTILIZER APPLICATION RATES

Trees and Palms	Fertilizer per details and manf. specifications shall be applied at time of planting and once annually.
Shrubs	Fertilizer per details and manf. specifications shall be applied at time of planting and once annually.
Groundcovers/Grasses	Fertilizer per details and manf. specifications shall be applied at time of planting and once annually.

WATER APPLICATION NOTE

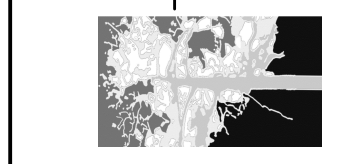
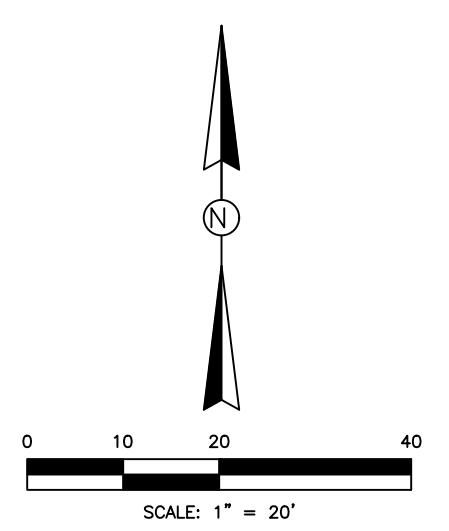
1) 180 DAY WATER APPLICATION WORK SHALL BE ALTERNATIVE NUMBER ONE, IF IRRIGATION IS NOT INCLUDED AS PART OF THIS PROJECT, THEN THE CONTRACTOR IS RESPONSIBLE FOR THE WATERING SCHEDULE SHOWN ABOVE.

CITY OF TAMPA LANDSCAPE NOTES

- RECOMMENDED TREES SHALL BE USED TO MEET THE REQUIREMENTS OF THIS CHAPTER AND SHALL, AS SPECIFIED IN THE TECHNICAL STANDARDS, BE AT LEAST TWO (2) INCHES IN DIAMETER WHEN MEASURED AT SIX (6) INCHES ABOVE GRADE AND SHALL BE SELECTED FROM THE RECOMMENDED TREE LIST SET FORTH BELOW IN SCHEDULE C. AT LEAST FIFTY (50) PERCENT OF THE RECOMMENDED TREES PLANTED ON A PARCEL SHALL BE SHADE TREES. AT LEAST SIXTY (60) PERCENT OF THE RECOMMENDED TREES PLANTED ON A PARCEL SHALL BE NATIVE TREES. PALM TREES SHALL BE REPLACED ONE (1) FOR ONE (1) WITH A RECOMMENDED TREE.
- AN EXISTING OR RELOCATED PROTECTED TREE WHICH MEETS THE STANDARDS OF THIS SECTION SHALL BE CREDITED TOWARD THE PLANTING REQUIREMENTS CONTAINED IN SECTION 13-161 FOR RECOMMENDED TREES ON A PARCEL, IN ACCORDANCE WITH THE TREE EQUIVALENCY TABLE SET FORTH IN SCHEDULE E LOCATED IN SECTION 13-165.
- ANY PERSON MAY REQUEST AND THE DEPARTMENT MAY APPROVE A TREE AS A REPLACEMENT TREE THAT IS NOT INCLUDED ON THE RECOMMENDED TREE LIST IF THE TREE IS SIMILAR IN CHARACTER AND FUNCTION TO A TREE ON THE RECOMMENDED TREE LIST.
- A PERVIOUS AREA WITH AN EFFECTIVE MINIMUM RADIUS OF SIX (6) FEET FROM THE TRUNK OF A RECOMMENDED TREE SHALL BE MAINTAINED AROUND ALL RECOMMENDED TREES.
- PAVING BASE MAY EXTEND TO WITHIN SIX (6) FEET FROM THE TRUNK OF A PROTECTED TREE, PROVIDED AN EFFECTIVE PERVIOUS AREA RADIUS OF TEN (10) FEET IS CREATED THROUGH THE USE OF TURF BLOCK, PAVEMENT AERATION DEVICES OR SIMILAR PRODUCTS.
- STRUCTURAL FOUNDATIONS MAY BE LOCATED AT A RADIUS OF SIX (6) FEET FROM THE TRUNK OF A PROTECTED TREE, PROVIDED AN EFFECTIVE PERVIOUS AREA RADIUS IS EXTENDED PROPORTIONALLY IN THREE (3) OTHER DIRECTIONS TO ALLOW SIX HUNDRED (600) SQUARE FEET OF PERVIOUS AREA.
- ALL RECOMMENDED TREES AND PLANT MATERIAL SHALL BE PLANTED IN ACCORDANCE WITH THE SPECIFICATIONS DESCRIBED IN THE STATE DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF FORESTRY, TREE PROTECTION MANUAL FOR BUILDERS AND DEVELOPERS, OCTOBER 1980, AS REVISED FROM TIME TO TIME.
- ALL RECOMMENDED TREES AND PLANT MATERIAL USED SHALL BE VIGOROUS, WELL SHAPED, BRANCHED AND FOLIATED AND SHALL BE GRADED STATE DEPARTMENT OF AGRICULTURE NURSERY GRADE NO. 1 OR BETTER AS OUTLINED BY THE STATE DIVISION OF PLANT INDUSTRY GRADES AND STANDARDS FOR NURSERY PLANTS, THIRD EDITION, 1973, AS REVISED FROM TIME TO TIME, AND GRADES AND STANDARDS FOR NURSERY PLANTS, PART II, PALMS AND TREES, LATEST EDITION.
- A LAYER OF MULCH TO A MINIMUM DEPTH OF THREE (3) INCHES SHALL BE SPECIFIED ON THE SITE PLAN IN PLANT BEDS AND AROUND INDIVIDUAL TREES IN TURF AREAS. ORGANIC MULCHES ARE PREFERRED. THE MULCH SHOULD NOT BE PLACED DIRECTLY AGAINST THE PLANT STEM OR TREE TRUNK. MULCH SHALL NOT BE REQUIRED IN ANNUAL BEDS.
- AREAS ON THE PARCEL WHICH ARE USED FOR STORMWATER RETENTION OR DETENTION PONDS WITH DEPRESSIONS OF LESS THAN TWO (2) FEET AND THE LANDSCAPED BANKS OF SUCH PONDS FROM THE MEAN HIGH WATERLINE TO THE TOP OF THE BANK SHALL BE CREDITED ON A ONE-TO-ONE AREA BASIS TOWARD MEETING THE LANDSCAPED AREA.
- IF A HEDGE OR OTHER SCREEN IS USED, IT MUST BE AT LEAST TWO (2) FEET IN HEIGHT AT TIME OF PLANTING.
- TURF AND GRASS SOD SHALL BE CLEAN AND FREE OF WEEDS, NOXIOUS PESTS AND DISEASE. GRASS SEED SHALL BE DELIVERED TO THE JOB SITE IN BAGS WITH STATE DEPARTMENT OF AGRICULTURE TAGS ATTACHED.
- ALL LANDSCAPED AREAS MUST ALLOW FOR ACCESS TO PUBLIC AND PRIVATE UTILITY FACILITIES FOR MAINTENANCE PURPOSES.
- WHEN AN ACCESS WAY INTERSECTS A PUBLIC RIGHT-OF-WAY OR WHEN THE SUBJECT PARCEL ADJUTS THE INTERSECTION OF TWO (2) OR MORE PUBLIC RIGHTS-OF-WAY, ALL LANDSCAPE WITHIN THE TRIANGULAR AREAS SHALL PROVIDE UNOBSTRUCTED CROSS-VISIBILITY AT A LEVEL BETWEEN THIRTY (30) INCHES AND SIX (6) FEET. TREES AND PLANT MATERIAL TRIMMED IN SUCH A MANNER THAT CROSS-VISIBILITY IS NOT HINDERED WILL BE ALLOWED, PROVIDED MATERIALS ARE LOCATED SO AS NOT TO CREATE A TRAFFIC HAZARD AS DETERMINED BY THE APPROPRIATE CITY OFFICIAL. LANDSCAPE EXCEPT TURF OR GROUND COVER, SHALL NOT BE LOCATED CLOSER THAN THREE (3) FEET FROM THE EDGE OF ANY ACCESSWAY PAVEMENT OR RIGHT-OF-WAY PAVEMENT.
- UPON PROJECT COMPLETION, SEND THE UPDATED/REVISED AS-BUILT LANDSCAPE PLAN TO PARKS AND RECREATION WITH ALL REVISIONS NOTED IN RED.

LANDSCAPE INSTALLATION NOTES

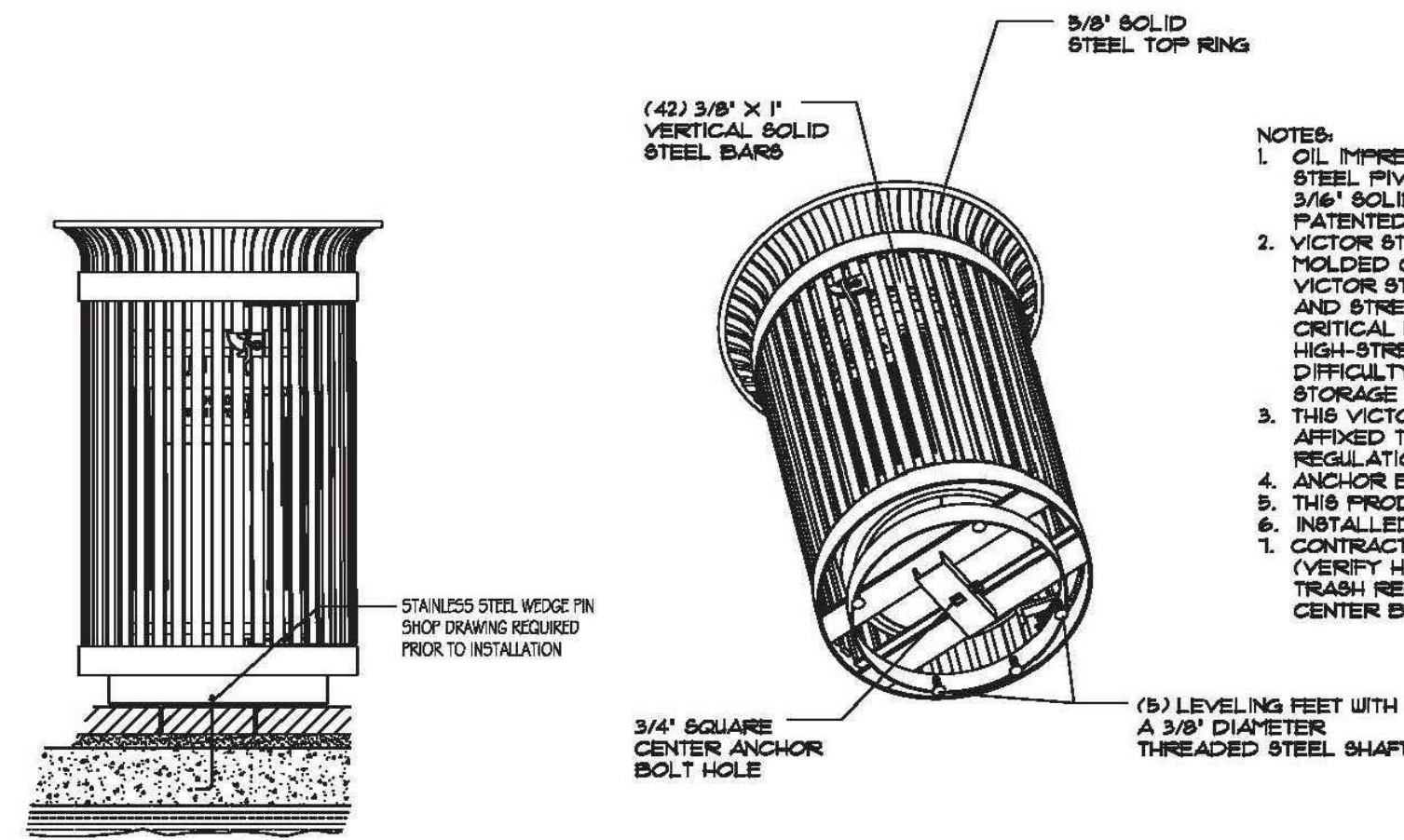
- ALL PLANT MATERIALS SHALL BE FLORIDA #1 OR BETTER AS GIVEN IN GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
- LOCATION OF PLANTS ON THE PLAN ARE DIAGRAMMATIC- SEE THE LANDSCAPE ARCHITECT FOR QUESTIONS ON EXACT LOCATIONS. THE PLANT MATERIALS LIST IS PROVIDED FOR THE CONVENIENCE OF THE LANDSCAPE CONTRACTOR. SHOULD THERE BE ANY DISCREPANCY BETWEEN THE PLANT LIST AND THE PLAN, THE PLAN SHALL PREVAIL.
- IT IS THE LANDSCAPE CONTRACTORS RESPONSIBILITY TO INSURE THAT ALL PLANT BED AREAS HAVE PROPER DRAINAGE FOR OPTIMUM GROWTH OF LANDSCAPE MATERIAL BEFORE INSTALLATION BEGINS.
- THE CONTRACTOR SHALL INSURE THAT ALL PLANTING AREAS SHALL BE CLEAN OF TRASH, CONSTRUCTION DEBRIS, OR OTHER WASTE MATERIALS TO A DEPTH OF 24" PRIOR TO LANDSCAPE INSTALLATION.
- TREES SHRUBS, AND GROUND COVER SHALL BE INSTALLED USING THE FOLLOWING PROCEDURE: PLANT PITS SHALL BE EXCAVATED TO TWICE THE DIAMETER OF THE PLANT ROOT BALL. AERATE EXISTING SOIL BEFORE BACKFILLING PIT.
- TREE INSTALLATION - ALL REQUIRED TREES SHALL BE INSTALLED 1" - 2" ABOVE FINISH GRADE. TREES INSTALLED OR BURIED TOO DEEP SHALL BE RESET TO THIS STANDARD. REMOVE THE TOP 1/3 OF THE WIRE BASKETS ON ALL B & B STOCK.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE LANDSCAPE FOR 180 DAYS AFTER THE LANDSCAPE HAS BEEN ACCEPTED. THIS INCLUDES WEEDING, PRUNING, FERTILIZATION ETC. AS STATED IN THE MAINTENANCE PLAN ABOVE.



HARDSCAPE/LANDSCAPE PLAN
YBOR CITY STREETScape IMPROVEMENTS
YBOR CITY, TAMPA
HILLSBOROUGH COUNTY, FLORIDA

SHEET TITLE:
 1. 05-12-20 CHANGES AS PER PLAN REVIEW
 2. 01-12-21 CHANGES AS PER PLAN REVIEW
 3.

DRAWN BY: BG
 CHECKED BY: LAU
 JOB #: 16176
 SEC TWP RING: 17-29-18
 DATE: 05-22-2017
 L. ALYSON UTTER, PLA
 NO. LA 0001163
L1.0



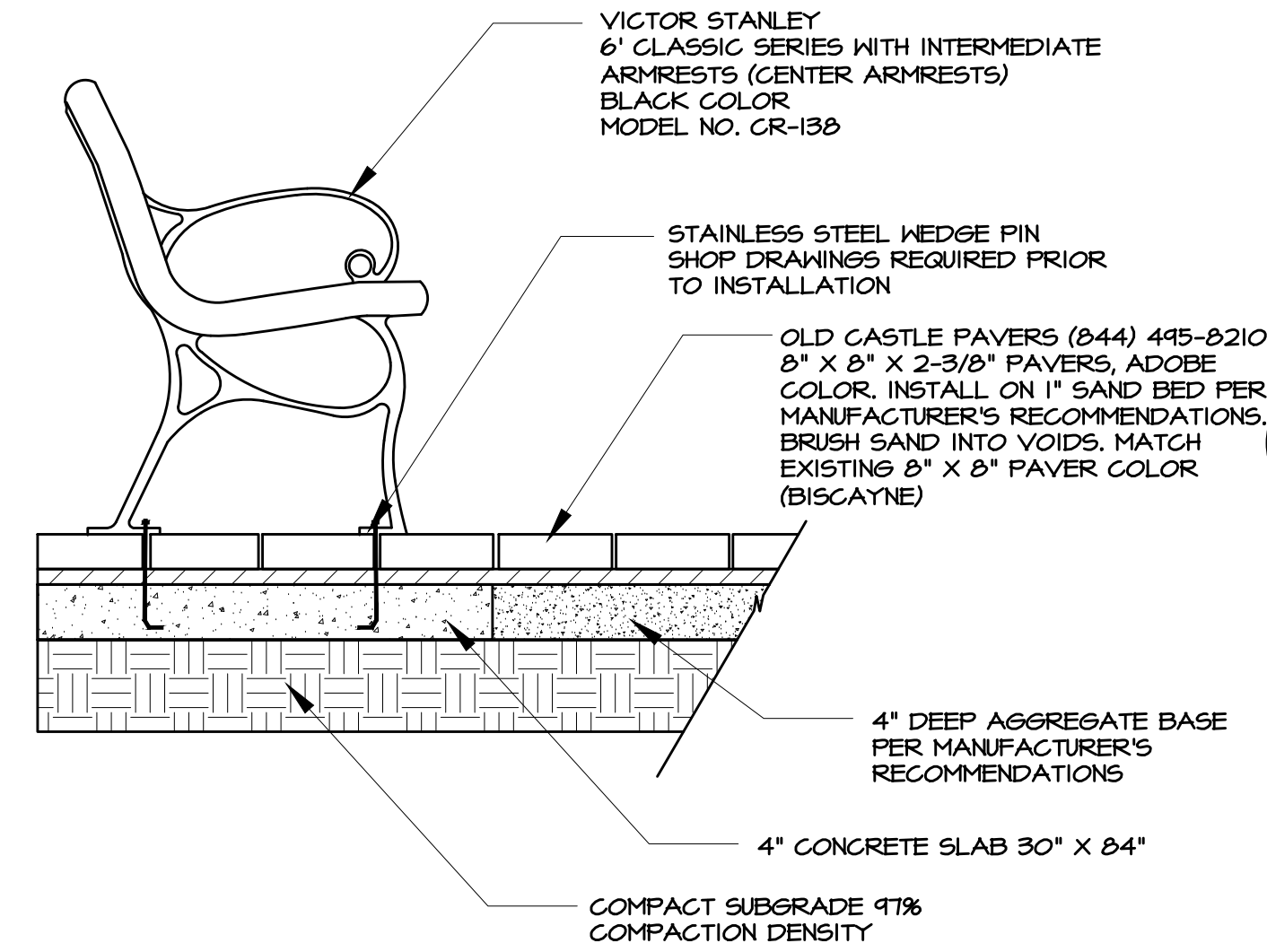
TRASH RECEPTACLE DETAIL

N.T.S

TRASH RECEPTACLE MANUFACTURER: VICTOR STANLEY
 MODEL NO.: SD-42 IRONSITES SERIES 36-GALLON WITH
 SIDE DOOR OPENING LITTER RECEPTACLE PAINTED
 BLACK AND POWDER COATED.

VICTOR STANLEY, INC.
 P.O. DRAWER 330-DUNKIRK, MD 20754 USA
 (800) 368-2573 WWW.VICTORSTANLEY.COM

- NOTES:
- OIL IMPREGNATED BRONZE BUSHINGS AND STAINLESS STEEL PIVOT PINS FOR DOOR MOVEMENT, STANDARD 3/16" SOLID STEEL LATCH ASSEMBLY OR OPTIONAL PATENTED STAINLESS STEEL KEYED LOCK ASSEMBLY.
 - VICTOR STANLEY, INC. PLASTIC INNER LINERS ARE MOLDED ON TOOLING DESIGNED FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING CRITICAL MOLDED REBS, INTEGRAL HANDHOLDS, AND HIGH-STRENGTH MATERIALS. THIS MINIMIZES HANDLING DIFFICULTY AND FACILITATES EASY EMPTYING AND STORAGE WHILE AFFORDING LONG SERVICE LIFE.
 - THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
 - ANCHOR BOLT NOT PROVIDED BY VICTOR STANLEY, INC.
 - THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.
 - INSTALL PER MANUFACTURER'S DIRECTIONS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANCHOR BOLTS (VERIFY HARDWARE REQUIRED), AND PERMANENTLY AFFIXING THE TRASH RECEPTACLE PER LOCAL CODES AND REGULATIONS. CENTER BENCH AS SHOWN ON LAYOUT PLAN.

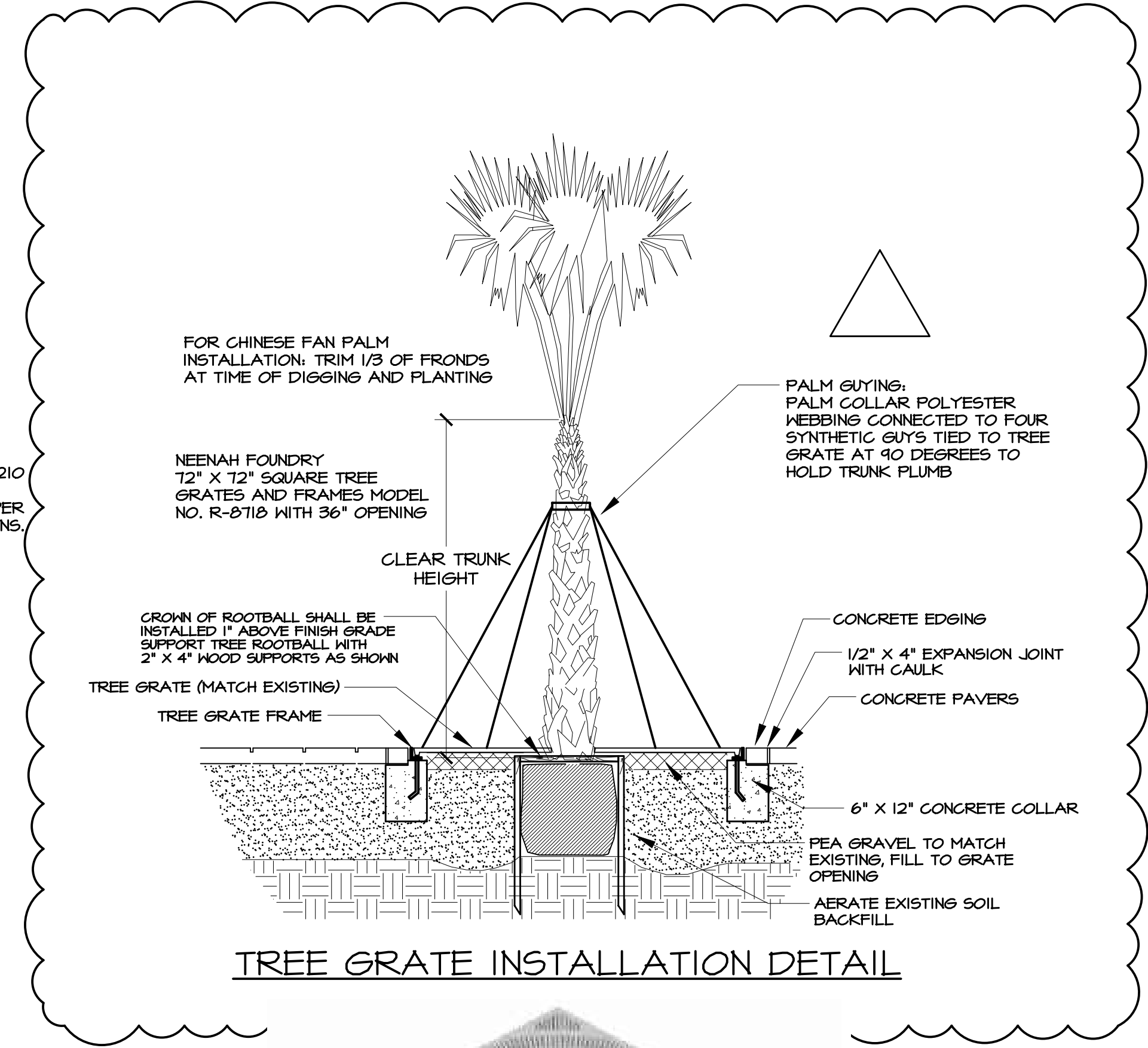


BENCH/ 8" X 8" PAVER DETAIL

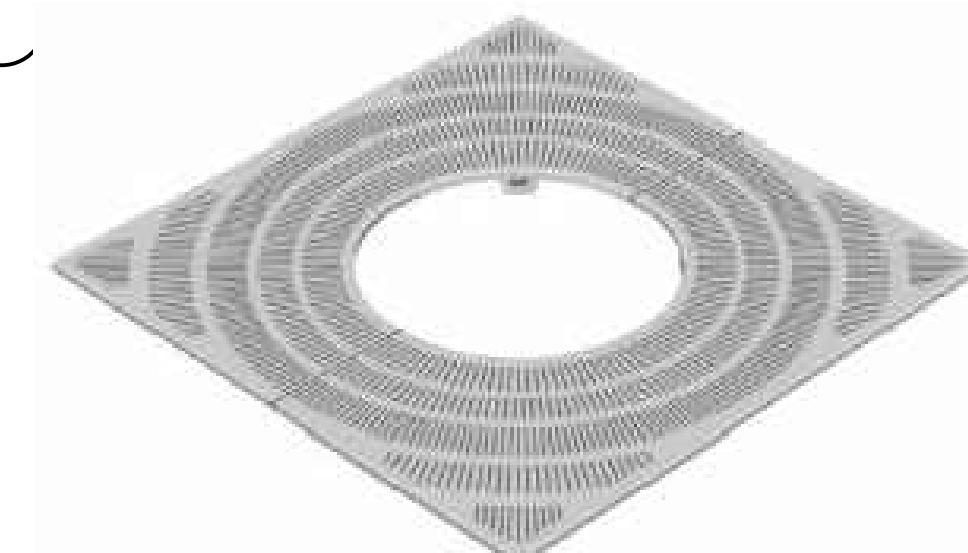
N.T.S

BENCH MANUFACTURER: VICTOR STANLEY
 MODEL NO.: CR-138 CLASSIC SERIES WITH CENTER
 ARMRESTS, POWDER COATED, BLACK

VICTOR STANLEY, INC.
 P.O. DRAWER 330-DUNKIRK, MD 20754 USA
 (800) 368-2573 WWW.VICTORSTANLEY.COM



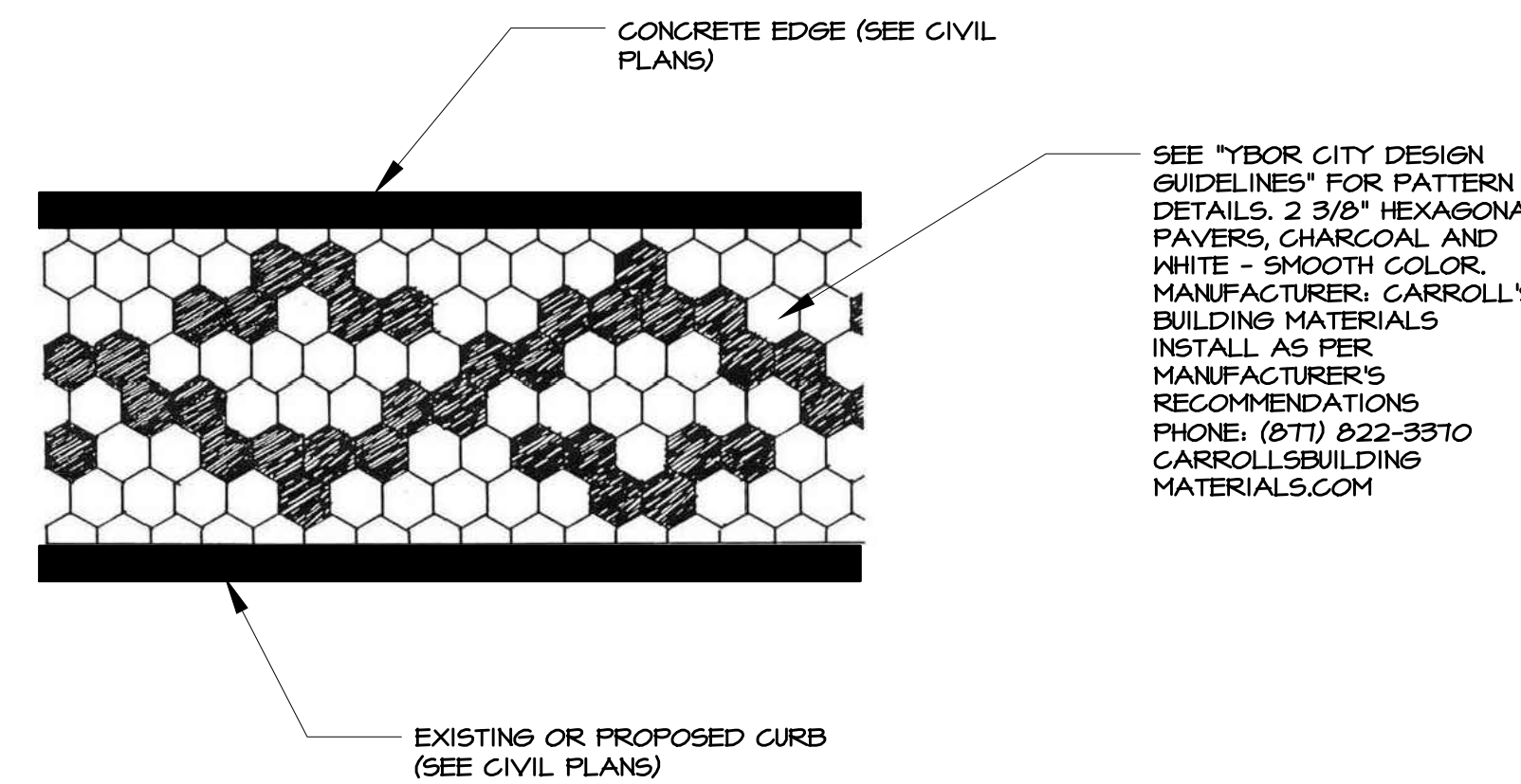
TREE GRATE INSTALLATION DETAIL



NEENAH FOUNDRY - WWW.NFCO.COM
 MAJESTIC COLLECTION MODEL NO. R-8718
 (CAST IRON, POWDER COATED BLACK)
 SIZE: 12" SQUARE, TREE OPENING 36", 1/4" SLOT OPENINGS
 PHONE: (800) 558-5075
 TREE GRATE TO BE APPROVED PRIOR TO ORDER.
 TREE GRATE TO MATCH EXISTING TREE GRATES ON TTH AVENUE

GENERAL SITE HARDSCAPE NOTES

- CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH THE PROJECT SITE PRIOR TO BIDDING THE WORK. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND LOCATION OF PROPOSED IMPROVEMENTS PRIOR TO INITIATING ANY CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY ALL NECESSARY UTILITY COMPANIES 48 HOURS MINIMUM PRIOR TO DIGGING FOR FIELD VERIFICATION OF ALL UNDERGROUND UTILITIES, IRRIGATION AND OTHER ELEMENTS AND COORDINATE WITH THE OWNER'S REPRESENTATIVE PRIOR TO INITIATING OPERATIONS. DRAWINGS ARE PREPARED ACCORDING TO THE BEST INFORMATION AVAILABLE.
- ALL EXISTING SITE ROADS, PARKING LOTS, CURBS, UTILITIES, SEWERS AND OTHER ELEMENTS TO REMAIN SHALL BE FULLY PROTECTED FROM ANY DAMAGE UNLESS OTHERWISE NOTED. REPORT ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND FIELD CONDITIONS TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH RELATED SUB-CONTRACTORS AND WITH THE GENERAL CONTRACTOR OF THE PROJECT IN ORDER NOT TO IMPEDE THE PROGRESS OF THE WORK OF OTHERS OR THE CONTRACTOR'S OWN WORK.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY MEASURES DURING CONSTRUCTION OPERATIONS TO PROTECT PUBLIC ACCORDING TO ALL APPLICABLE CODES AND RECOGNIZED LOCAL PRACTICES.
- ALL PAVEMENT SHALL BE STAKED IN THE FIELD USING DIMENSIONS AND LAYOUT GEOMETRY INDICATED ON THE SITE LAYOUT PLANS. ALIGNMENT MAY BE ADJUSTED TO ACCOMMODATE EXISTING DRAIN INLETS, MANHOLES, OR OTHER SITE ELEMENTS UPON APPROVAL OF THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL SUBMIT SAMPLES OF CONCRETE PAVERS AND COLORS FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. CONTRACTOR SUBMITTALS SHALL INCLUDE MANUFACTURER'S INFORMATION FOR BENCHES, TRASH RECEPTACLE, TREE GRATE AND FRAME AND ANY OTHER SPECIFIED EQUIPMENT OR FURNISHINGS.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING EROSION AND SEDIMENTATION CONTROL MEASURES (SILT FENCE, ORANGE GEO FENCE AND /OR OTHER MEASURES) DURING CONSTRUCTION. PROVIDE ADDITIONAL MEASURES AS NECESSARY TO MINIMIZE ADVERSE IMPACTS ACCORDING TO ALL APPLICABLE FEDERAL/STATE LAW AND LOCAL CODES.
- SEE SITE GRADING PLANS AND CIVIL ENGINEERING DRAWINGS FOR PAVEMENT ELEVATIONS. MATCH GRADES WITH EXISTING CONDITIONS. VERIFY THE PAVEMENT SURFACES BETWEEN EXISTING AND NEW ARE FLUSH AND DO NOT CREATE A TRIPPING HAZARD.
- THE CONTRACTOR SHALL CLEAN THE WORK AREA AT THE END OF EACH WORK DAY. RUBBISH AND DEBRIS SHALL BE COLLECTED AND DEPOSITED OFF SITE-SITE DAILY. ALL MATERIALS, PRODUCTS AND EQUIPMENT SHALL BE STORED IN AN ORGANIZED FASHION AS DIRECTED BY THE OWNER'S REPRESENTATIVE.



HEXAGONAL PAVER PATTERN DETAIL

N.T.S

HARDSCAPE DETAILS

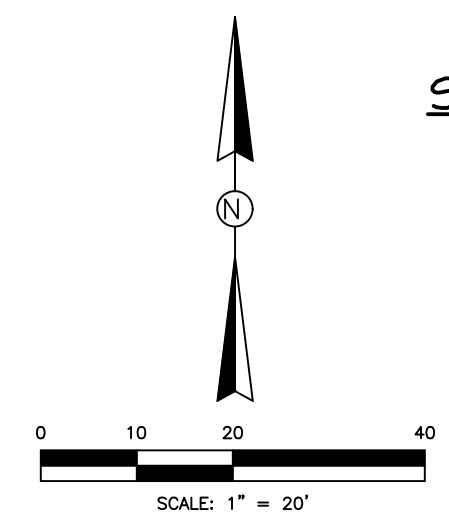
**YBOR CITY STREETScape IMPROVEMENTS
 YBOR CITY, TAMPA
 HILLSBOROUGH COUNTY, FLORIDA**

SHEET TITLE:

1.	05-12-20	CHANGES AS PER PLAN REVIEW
2.	01-12-21	CHANGES AS PER PLAN REVIEW
3.		

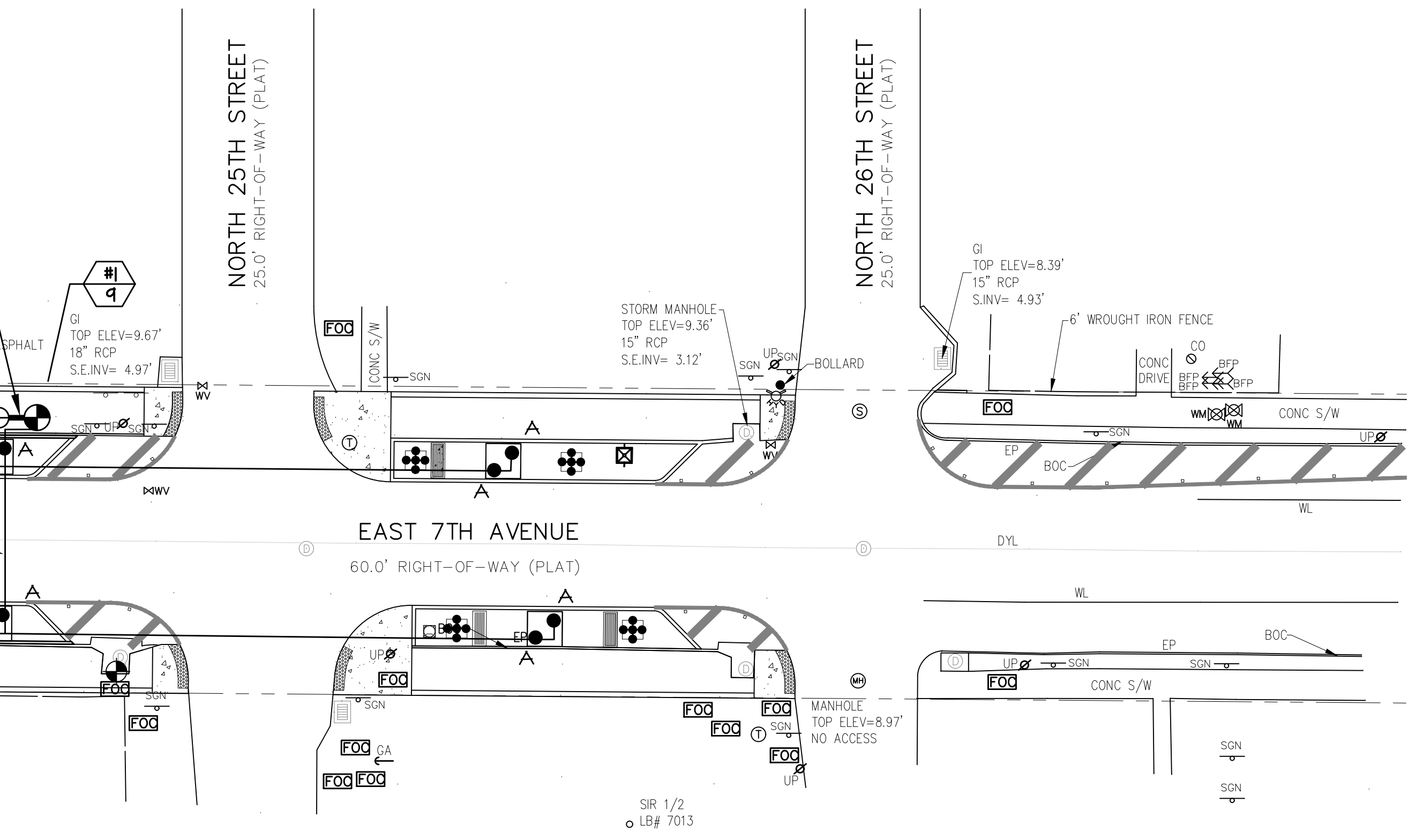
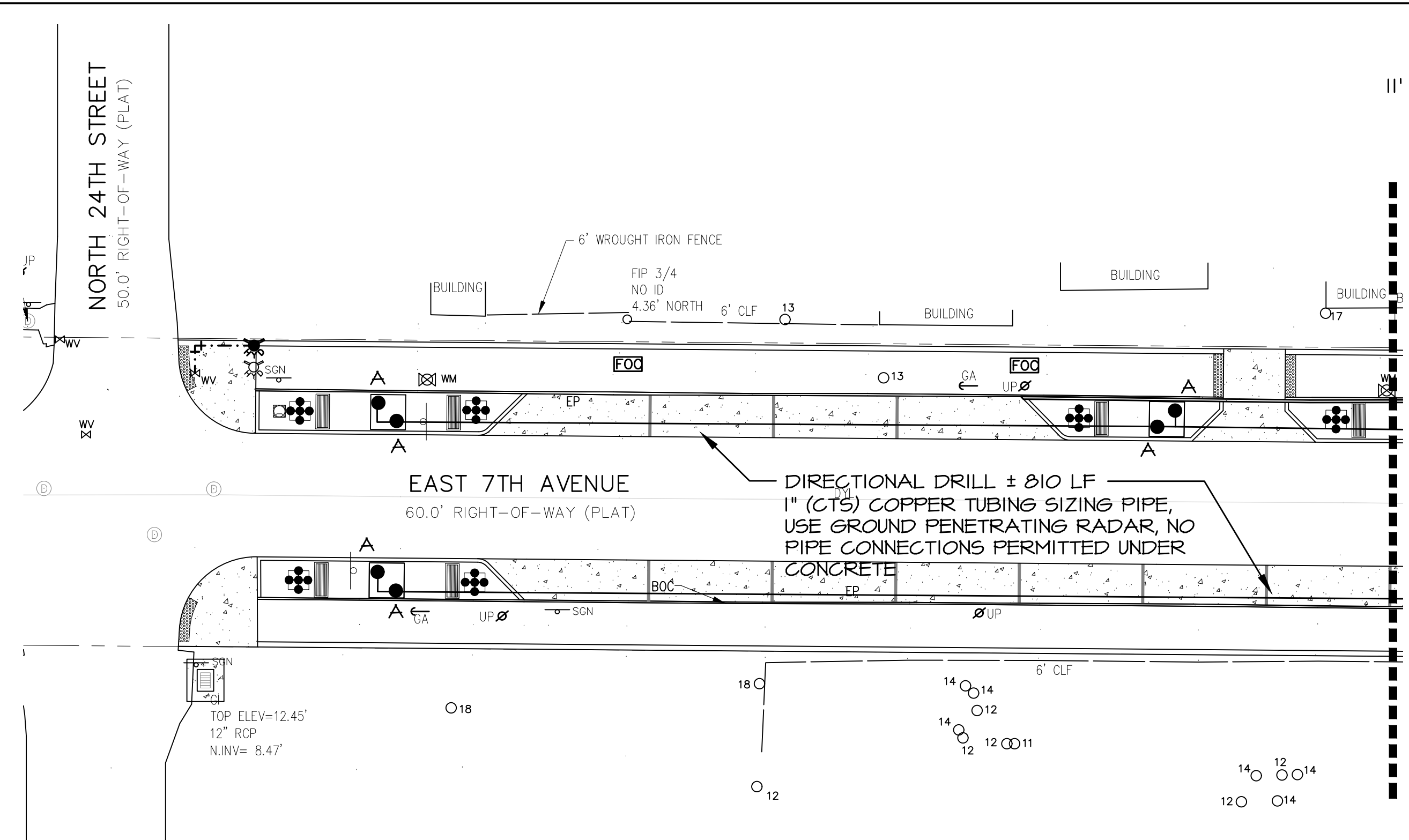
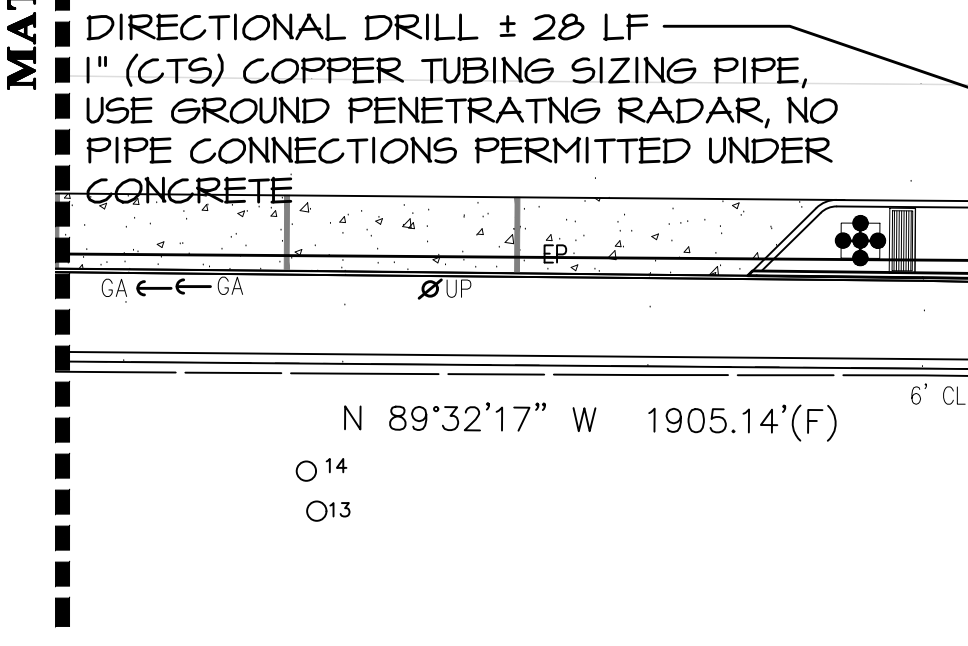
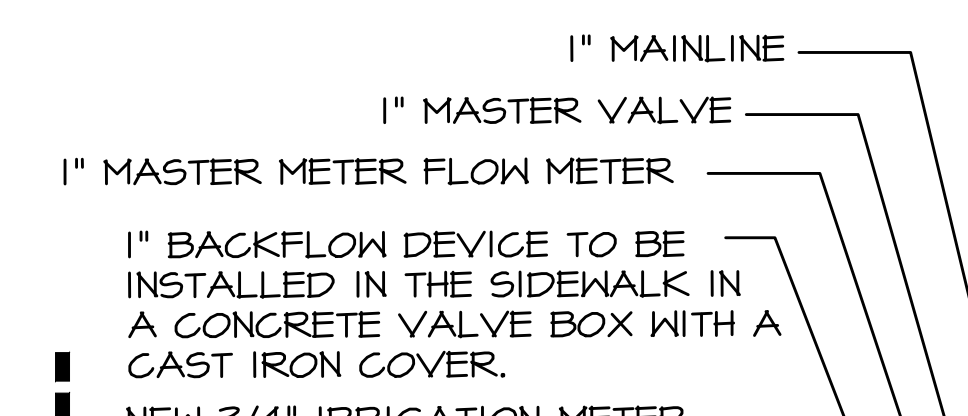
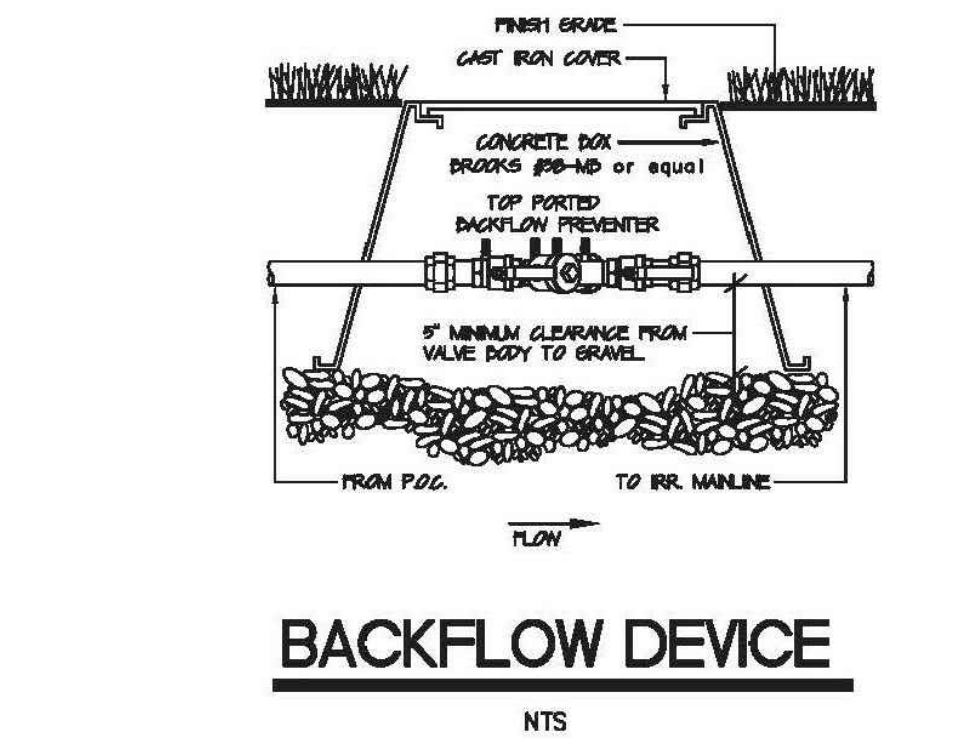
L. ALYSON LITTER, PLA
 NO. LA 0001163

DRAWN BY:	BG	CHECKED BY:	LAU
JOB #	16176		
SEC TWP RING	17-29-18		
DATE:	05-22-2017		



SYMBOL LEGEND

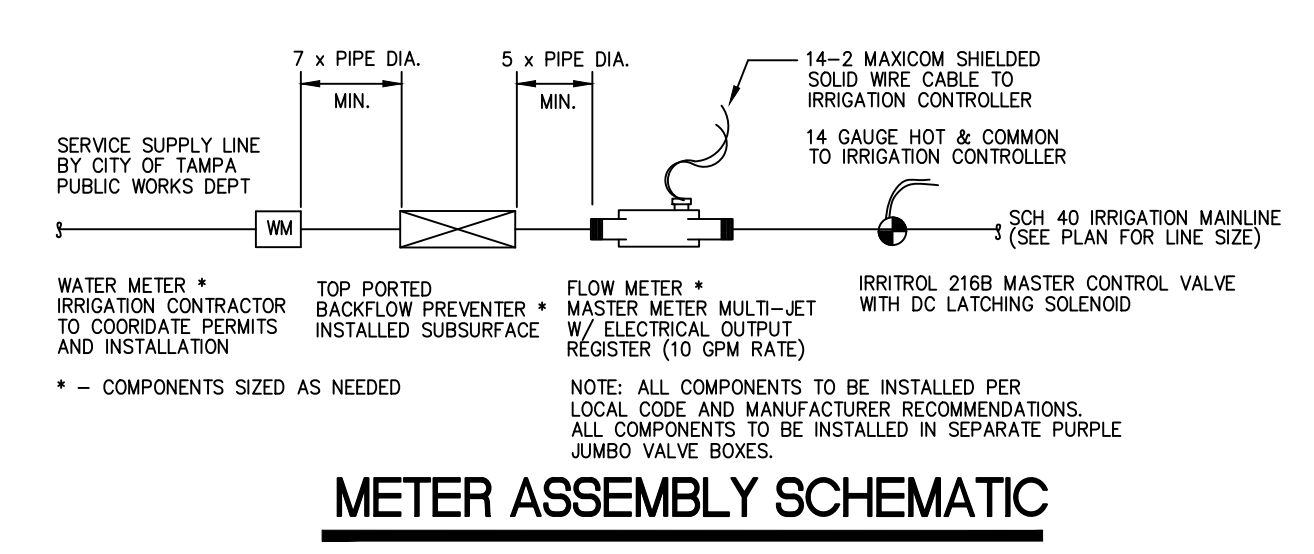
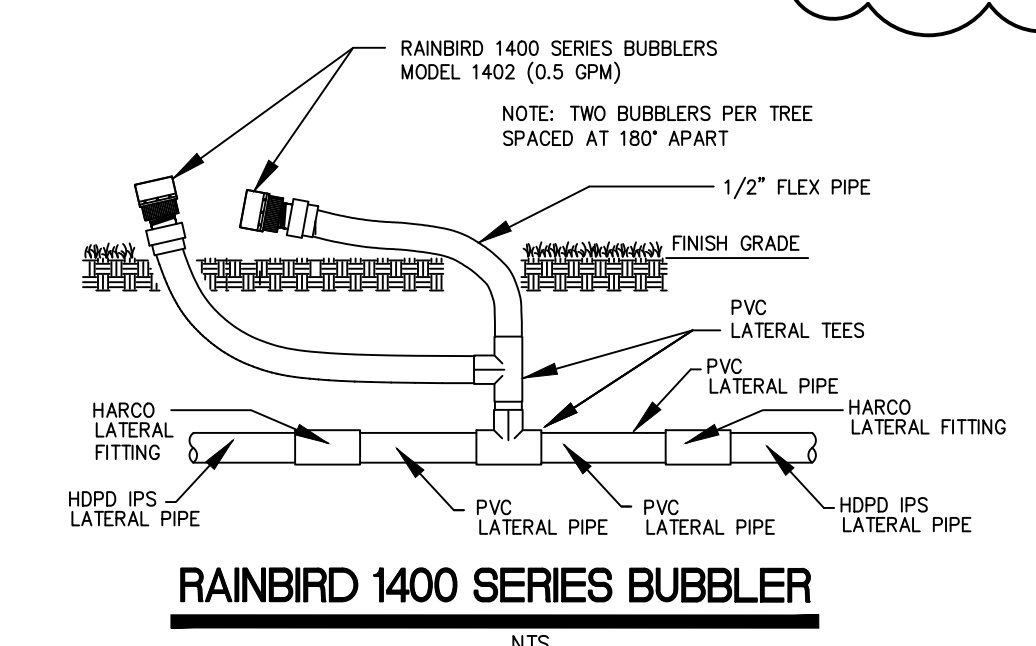
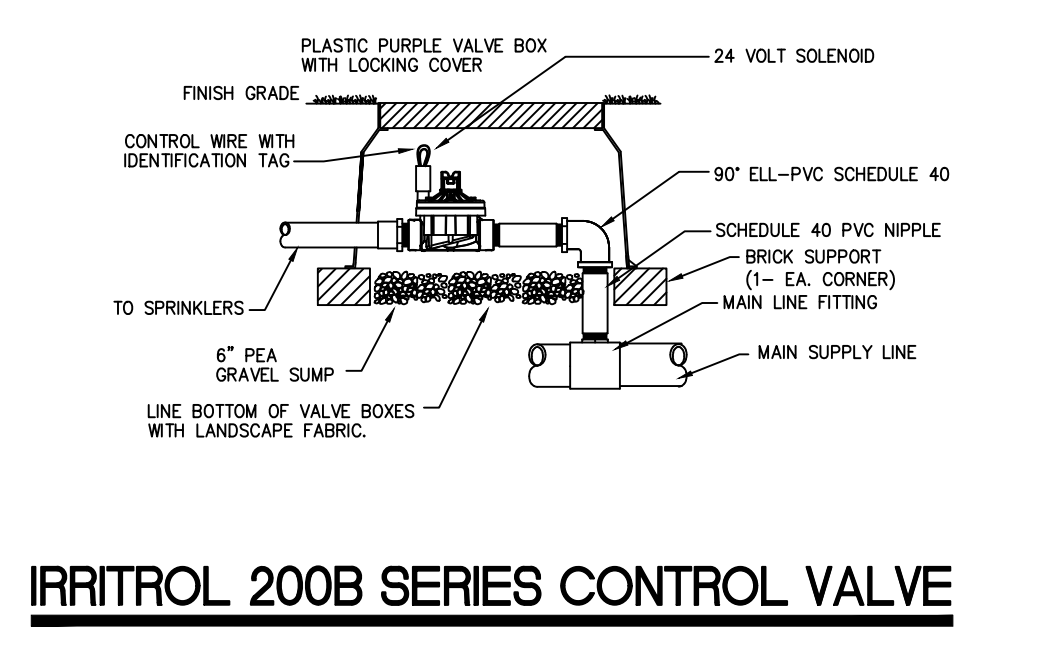
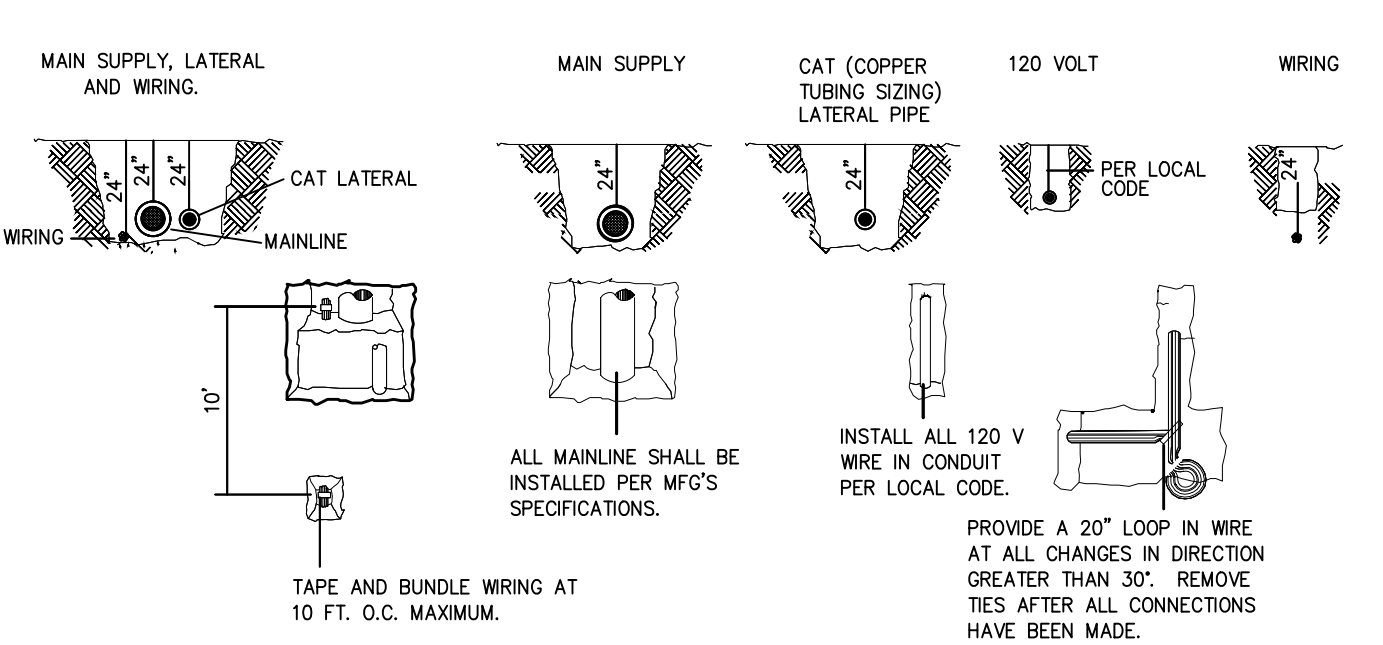
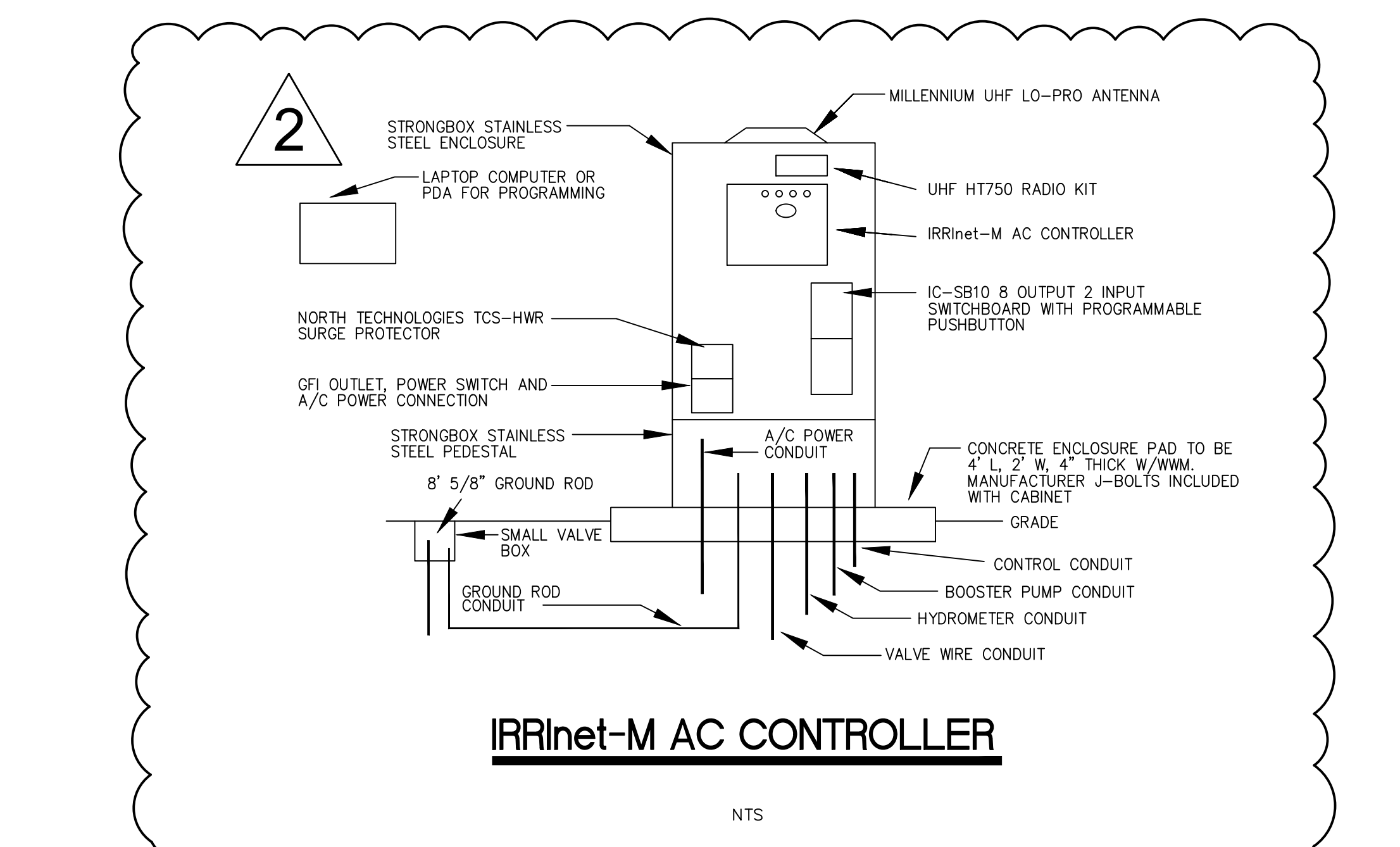
IRRIGATION	
#1	ZONE NUMBER
18	ZONE GPM



IRRIGATION MATERIAL LIST

SYMBOL	QUANTITY	MODEL NUMBER
A ●	18	1402, 0.5 GPM FULL CIRCLE BUBBLER, 2 PER TREE
⊕	1	214B IRRITROL, 1\"/>
■ ■ ■ ■ ■	± 5 LF	1\"/>
⊕	1	MASTER VALVE- 214B IRRITROL, 1\"/>
⊕	1	1\"/>
⊕	1	IRRINET M CONTROLLER
⊕	1	3/4\"/>
⊕	1	1\"/>
⊕	18	HARGO T FITTINGS
	20 LF	MAXI-COM 14/2 WIRE

- IRRIGATION INSTALLATION NOTES**
- 1) ALL QUANTITIES SHOWN ON THE DRAWINGS ARE NOT GUARANTEED AS TO ACCURACY AND ARE SHOWN FOR THE PURPOSES OF INDICATING VOLUME OF WORK. IT SHALL BE THE RESPONSIBILITY OF THE BIDDER TO SATISFY HIMSELF AS TO THE ACCURACY OF THE QUANTITIES.
 - 2) PIPING OR VALVES MAY SOMETIMES BE INDICATED AS BEING LOCATED IN UNLIKELY AREAS; I.E., IN BUILDINGS, UNDER PAVEMENT, OR OUTSIDE OF THE PROPERTY LINES. THIS IS DONE FOR GRAPHIC CLARITY ONLY. WHENEVER POSSIBLE, PIPING IS TO BE INSTALLED IN SOIL AREAS.
 - 3) INSTALL IRRIGATION SYSTEM TO CITY OF TAMPA IRRIGATION SPECIFICATIONS AND IN ACCORDANCE WITH ALL APPLICABLE CODES.
 - 4) PIPE SIZES ARE LABELED AT LOCATIONS WHERE AN INCREASE IN SIZE OCCURS. CONTINUE PIPE SIZE UNTIL SIZE INCREASE IS INDICATED. PIPES SHALL BE INSTALLED ALONG WALKS, CURBS OR WALLS, THEY SHALL NOT BE INSTALLED IN THE MIDDLE OF PLANTERS. CONTRACTOR SHALL REVIEW LANDSCAPE PLANS TO DETERMINE TREE AND PALM LOCATIONS. MAIN LINE AND LATERALS SHALL BE SCH 40 PVC OR HDPE IPS. NO HDPE/ HARGO CONNECTIONS ARE TO BE MADE UNDER CONCRETE.
 - 5) THE CONTRACTOR SHALL FULFILL ALL PERMITS AND COORDINATE WITH THE CITY OF TAMPA WATER DEPARTMENT FOR INSTALLATION OF THE WATER METER. UPON FINAL COMPLETION OF THE JOB THE WATER METER BILLING WILL BE TRANSFERRED FROM THE CONTRACTOR TO THE CITY OF TAMPA PARKS AND RECREATION DEPARTMENT.
 - 6) INSTALLATION AND FINAL LOCATION OF THE CONTROLLER SHOULD BE COORDINATED WITH THE CITY OF TAMPA REPRESENTATIVE. ALL WIRING AND PROGRAMMING OF THE CONTROLLER TO BE DONE BY THE CITY OF TAMPA.
 - 7) ALL BOXES USED IN HARD SURFACES (SUCH AS CONCRETE) SHALL BE DOUBLE WALL CONCRETE RATED BOXES.
 - 8) DAILY RED LINE DRAWINGS SHALL BE MAINTAINED ON THE JOB. UPON COMPLETION CONTRACTOR WILL SUPPLY AS-BUILT DRAWINGS PER CITY OF TAMPA REQUIREMENTS AND SPECS.
 - 9) IRRIGATION CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE THREE (3) DIRECTIONAL BORES AS SHOWN ON THE PLANS TO CROSS 7TH AVENUE AND 25TH STREET (2 LOCATIONS) AS SHOWN ON THE PLANS. THOSE COSTS MUST BE INCLUDED IN THE IRRIGATION BID.
 - 10) THERE SHALL BE NO CONNECTIONS TO HDPE IPS PIPE UNDER CONCRETE AREAS.



ANDERSON LESNIAK LIMITED, INC.
landscape architecture site planning
4921 SOUTH WESTSHORE BLVD. TAMPA, FLORIDA 33611
(813) 831-9999 FAX 813-5485 anderson.lesniak@tampabayfl.com

IRRIGATION PLAN

YBOR CITY STREETScape IMPROVEMENTS
YBOR CITY, TAMPA
HILLSBOROUGH COUNTY, FLORIDA

SHEET TITLE:

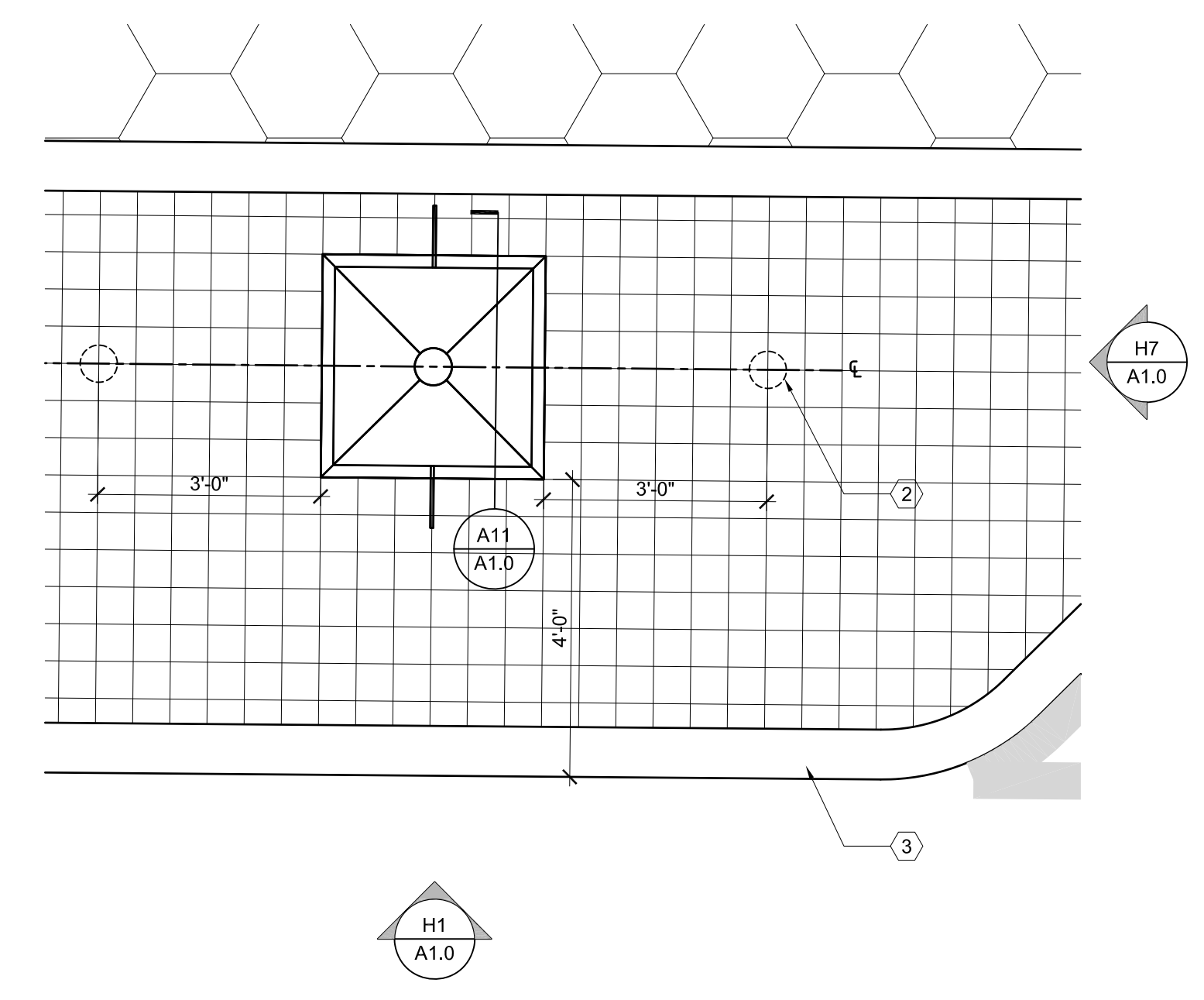
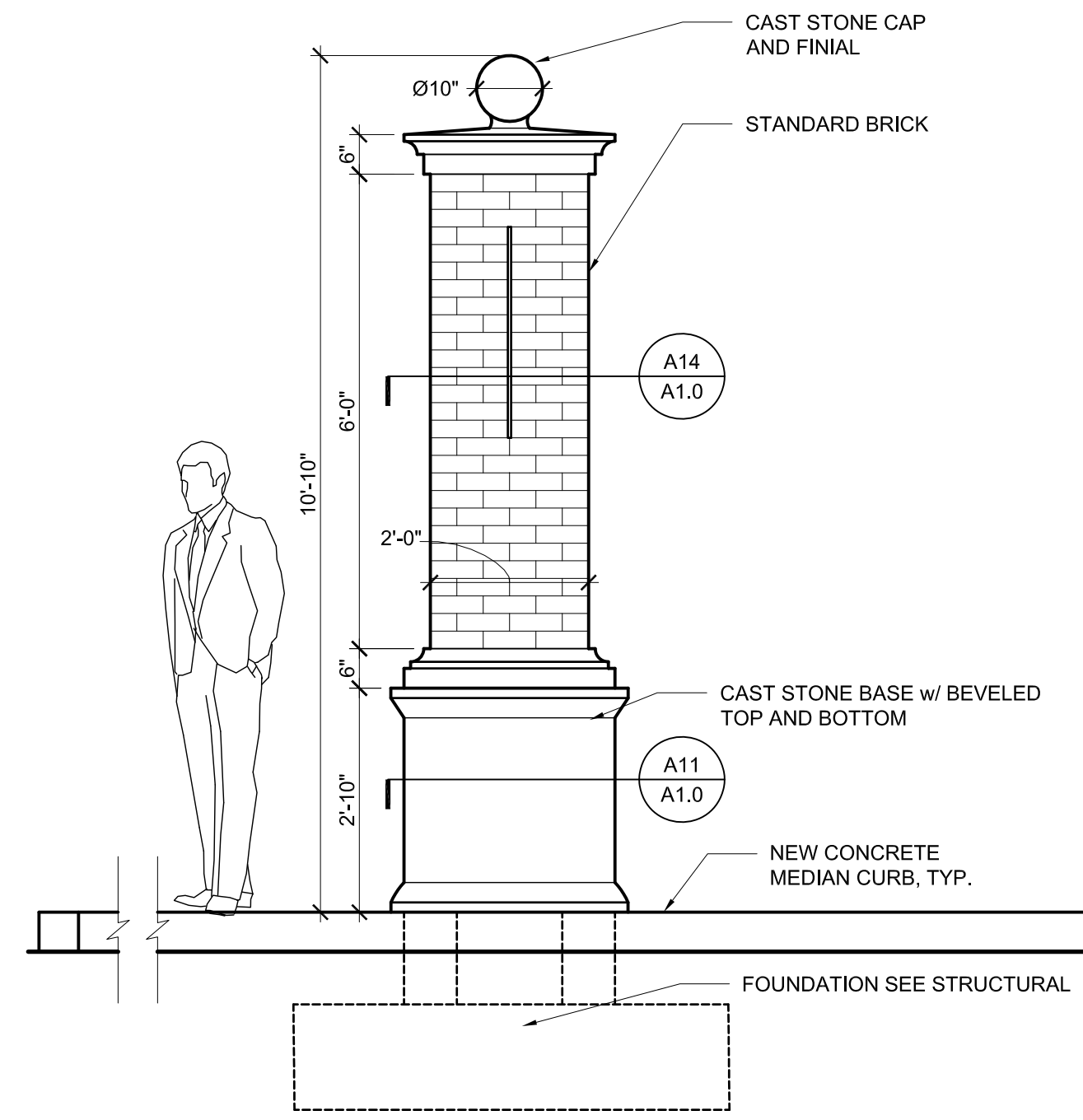
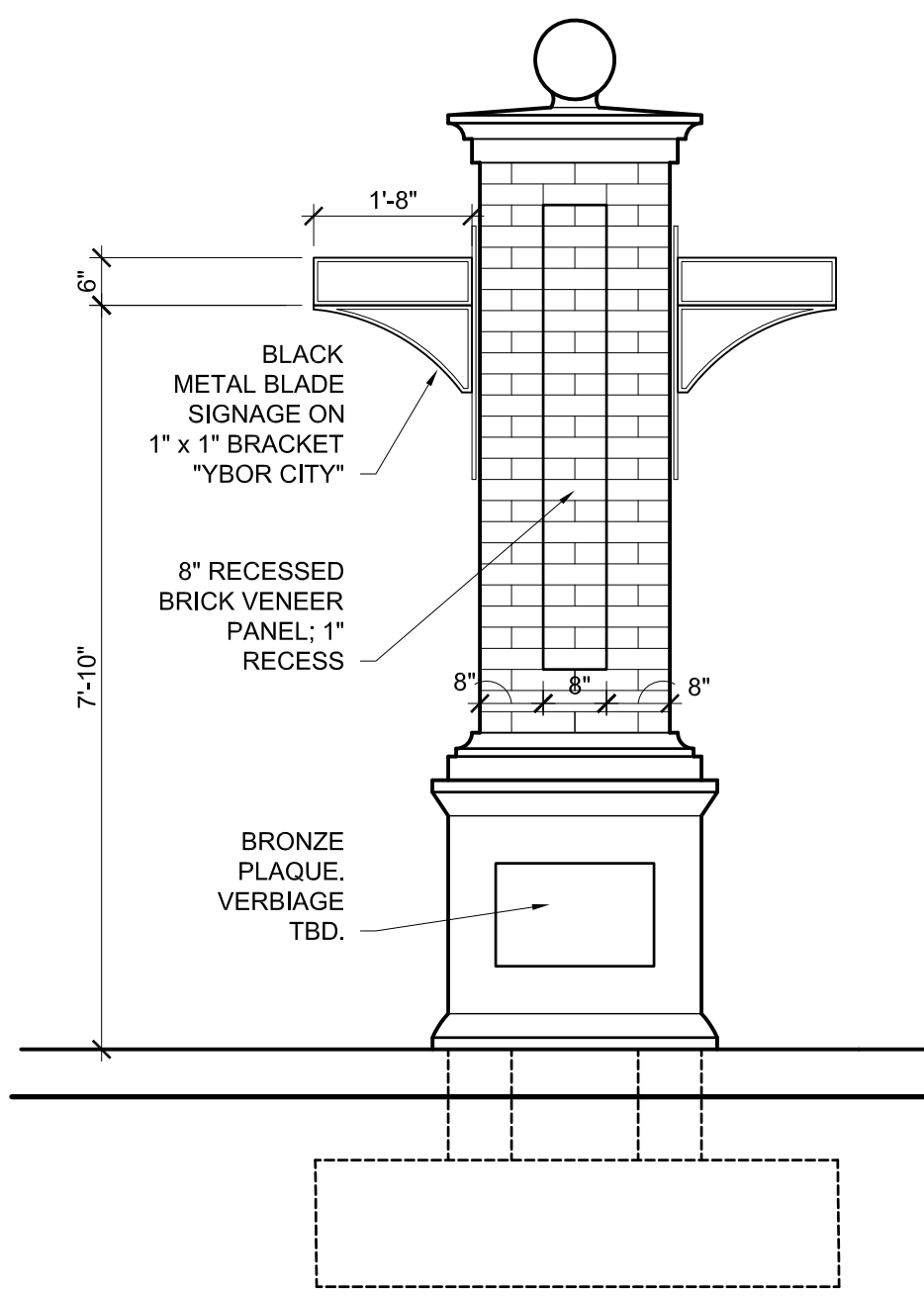
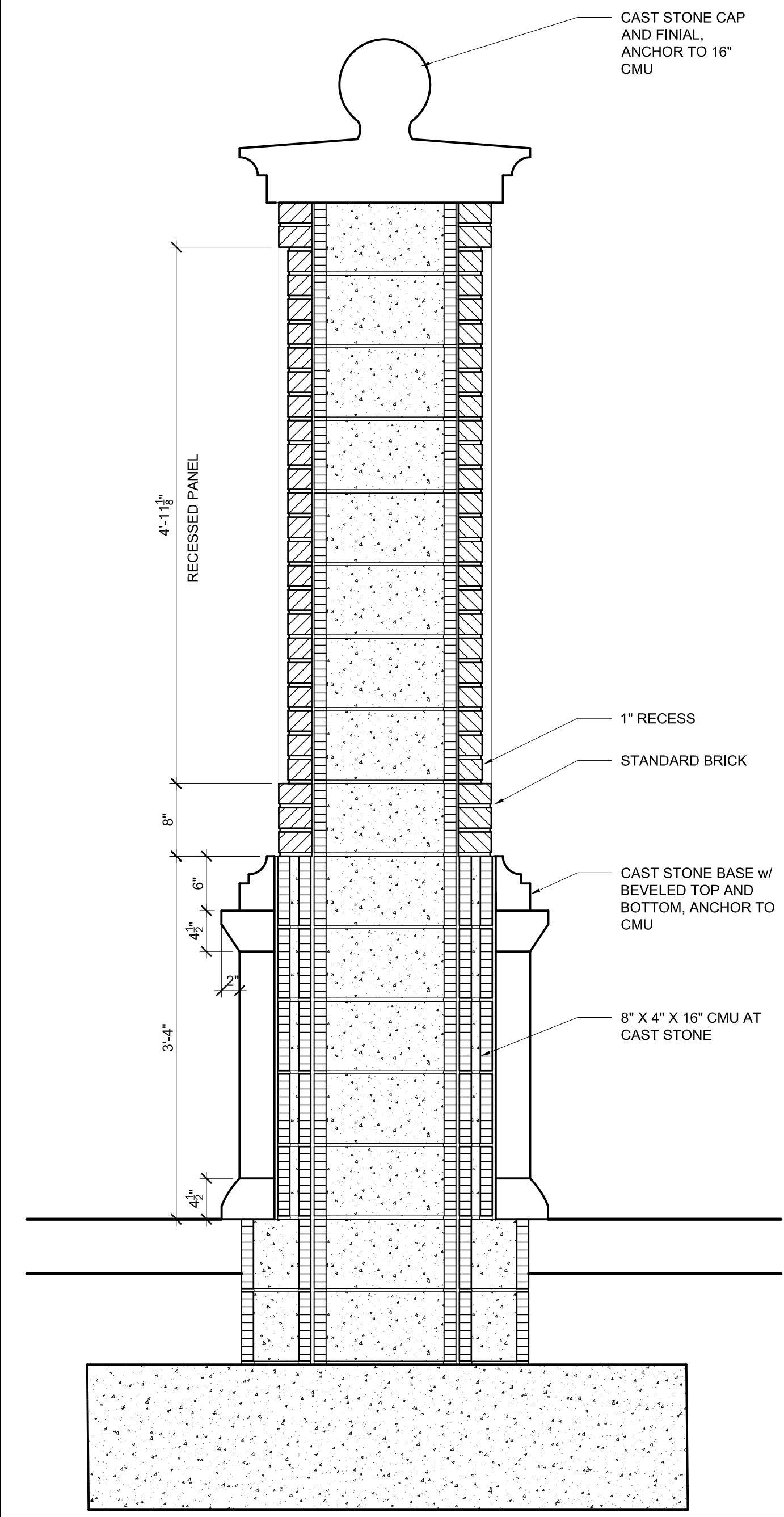
1.	05-12-20	CHANGES AS PER PLAN REVIEW
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3.		

L. ALYSON UTTER, PLA
NO. LA 0001163

DRAWN BY: BG CHECKED BY: LAU
JOB #: 16176
SEC TWP RING: 17-29-18
DATE: 05-22-2017

L3.0

- SPECIFICATIONS**
- COORDINATE WORK WITH EXIST CONDITIONS AND INFRASTRUCTURE. ALERT CITY, INFRASTRUCTURE OWNER, AND ARCHITECT IF CONFLICTS ARE DISCOVERED. EXAMINE PLACEMENT PRIOR TO EXCAVATION. A COMPLETE UNDERGROUND SURVEY HAS NOT BEEN PROVIDED FOR MONUMENT LOCATION.
 - REFER TO LANDSCAPING DRAWING L1.0 FOR TREE, HARDSCAPE, AND PLANT LOCATIONS.
 - YCDC (YBOR CITY DEVELOPMENT CORPORATION) TO MAINTAIN MONUMENT.
 - BRICK: BRICK REINFORCEMENT AND ANCHORAGE: INSTALL BRICK WITH 2-PIECE ANCHORS THAT PERMIT DIFFERENTIAL MOVEMENT BETWEEN MASONRY VENEER AND STRUCTURAL BACK UP (CMU). HOT DIP GALVANIZED TO ASTM A 153/A 153M, CLASS B. ANCHOR PLATES NOT LESS THAN 0.105 INCH THICK, DESIGNED FOR FASTENING TO STRUCTURAL BACKUP. VERTICAL ADJUSTMENT NOT LESS THAN 3-1/2". SUBMIT PRODUCT DATA TO ARCHITECT AND CITY OF TAMPA HISTORIC PRESERVATION STAFF FOR APPROVAL.
 - MORTAR: MASONRY CEMENT PER ASTM C91 TYPE N. PORTLAND CEMENT PER ASTM C 150, TYPE I OR II, COLOR AS REQUIRED TO PRODUCE APPROVED COLOR SAMPLE (SUBMIT COLOR SAMPLES FOR ARCHITECT'S APPROVAL). HYDRATED LYME PER ASTM C207, TYPE S. WATER TO BE CLEAN AND POTABLE. MORTAR MIX PER ASTM C 270 PROPORTION SPECIFICATION. TYPE N AT NON-LOAD BEARING MASONRY, MIX WITH MECHANICAL BATCH MIXER AND COMPLY WITH REFERENCED STANDARDS. SUBMIT PRODUCT DATA TO ARCHITECT AND CITY OF TAMPA HISTORIC PRESERVATION STAFF FOR APPROVAL.
 - CAST STONE: MANUFACTURED BY PEDRONI'S CAST STONE (WWW.PEDONISCASTSTONE.COM). COLOR - C 100 HA FOR FINIAL, CAP, AND TRIM. COLOR - .010BK, .075TAN, AND .005 RED FOR VERTICAL PANELS. PRODUCT AND INSTALLATION TO MEET THE REQUIREMENTS OF ASTM C 1364 - STANDARD SPECIFICATION FOR ARCHITECTURAL CAST STONE 2007. DELIVER, HANDLE, AND PROTECT CAST STONE FROM DAMAGE, DIRT, STAINING, AND MOISTURE. PROVIDE SHAPES, PROFILES, AND DIMENSIONS AS INDICATED ON DRAWINGS. SLOPE HORIZONTAL SURFACES 1:12 AND PROVIDE DRIPS ON PROJECTING COMPONENTS WHEREVER POSSIBLE. PROVIDE REINFORCEMENT AS REQUIRED TO WITHSTAND HANDLING AND STRUCTURAL STRESSES (COMPLY WITH ACI 318 - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY; AMERICAN CONCRETE INSTITUTE INTERNATIONAL, 2008. PROVIDE REINFORCING PER ASTM A 615/A 615M DEFORMED BARS, GALVANIZED OR EPOXY COATED. EMBEDDED ANCHORS, DOWELS, AND INSERTS TO BE TYPE 304 STAINLESS STEEL OF TYPE AND SIZE REQUIRED FOR CONDITIONS. MORTAR TO BE PORTLAND CEMENT-LIME, ASTM C270, TYPE N (DO NOT USE MASONRY CEMENT). SUBMIT SHOP DRAWINGS INCLUDING ELEVATIONS, DIMENSIONS, LAYOUTS, PROFILES, CROSS-SECTIONS, REINFORCEMENT, ARRANGEMENT OF JOINTS, ANCHORING METHODS ANCHORS, AND PIECE NUMBERS. SUBMIT CAST STONE SAMPLE AND MORTAR SAMPLE (TO MATCH) FOR COLOR VERIFICATION AND APPROVAL.
 - BRONZE PLAQUE: SIZE AND TEXT TO BE DETERMINED BY OWNER. BRONZE CASTING PER ASTM 584, ALLOY UNS NO. C83600 (NO.1 MANGANESE BRONZE). BORDER STYLE - RAISED FLAT BAND. BACKGROUND TEXTURE MANUFACTURER'S STANDARD MATTE FINISH. MOUNTING - CONCEALED STUDS FOR SUBSTRATES ENCOUNTERED. SUBMIT SAMPLE FOR APPROVAL.
 - METAL BLADE SIGNAGE: METAL BLADE SIGNAGE AND BRACKET TO BE POWDER COATED ALUMINUM. SIGN TO BE ANCHORED TO MEET PROJECT WIND LOAD REQUIREMENTS. SUBMIT COLOR SAMPLES TO ARCHITECT AND CITY OF TAMPA HISTORIC PRESERVATION STAFF FOR APPROVAL.



PROJECT SUMMARY
NEW EAST YBOR MONUMENT LOCATED AT 26TH STREET AND 7TH AVENUE.

LIFE SAFETY DATA

CODE REFERENCE
ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING:

- 2017 FLORIDA BUILDING CODE (6TH EDITION)
- 2017 FLORIDA BUILDING CODE, ENERGY CONSERVATION (6TH EDITION)
- 2017 FLORIDA FIRE PREVENTION CODE (6TH EDITION)
- 2017 FLORIDA BUILDING CODE, MECHANICAL (6TH EDITION)
- 2017 FLORIDA BUILDING CODE, PLUMBING (6TH EDITION)
- 2014 NATIONAL ELECTRICAL CODE ASCE 7-10

GENERAL NOTES

- COORDINATE WORK WITH EXIST CONDITIONS AND INFRASTRUCTURE. ALERT CITY, INFRASTRUCTURE OWNER, AND ARCHITECT IF CONFLICTS ARE DISCOVERED. EXAMINE PLACEMENT PRIOR TO EXCAVATION. A COMPLETE UNDERGROUND SURVEY HAS NOT BEEN PROVIDED FOR MONUMENT LOCATION.
- REFER TO LANDSCAPING DRAWING L1.0 FOR TREE, HARDSCAPE, AND PLANT LOCATIONS
- YCDC (YBOR CITY DEVELOPMENT CORPORATION) TO MAINTAIN MONUMENT.

SPECIFIC NOTES

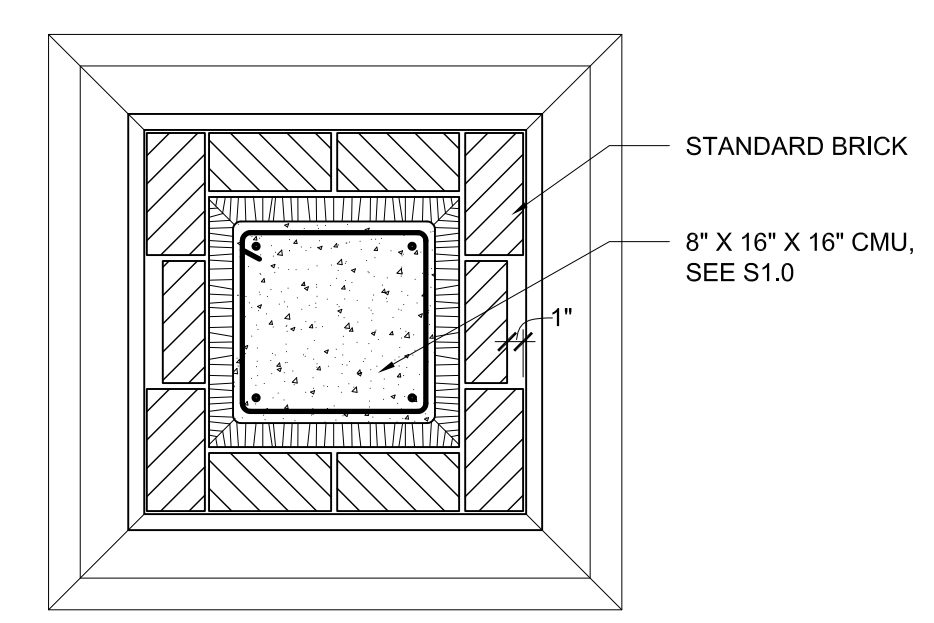
- NEW BRICK AND CAST STONE MONUMENT
- RECESSED SITE LIGHTING, MODULAR IN-GRADE LUMINAIRE DOUBLE LENS LED (HYDREL M8420/M8440); DIRECTIONAL BORE TO POWER SUPPLY SOUTH SIDE OF 7TH AVE.
- NEW GRANITE CURB

SPECIFICATIONS D12

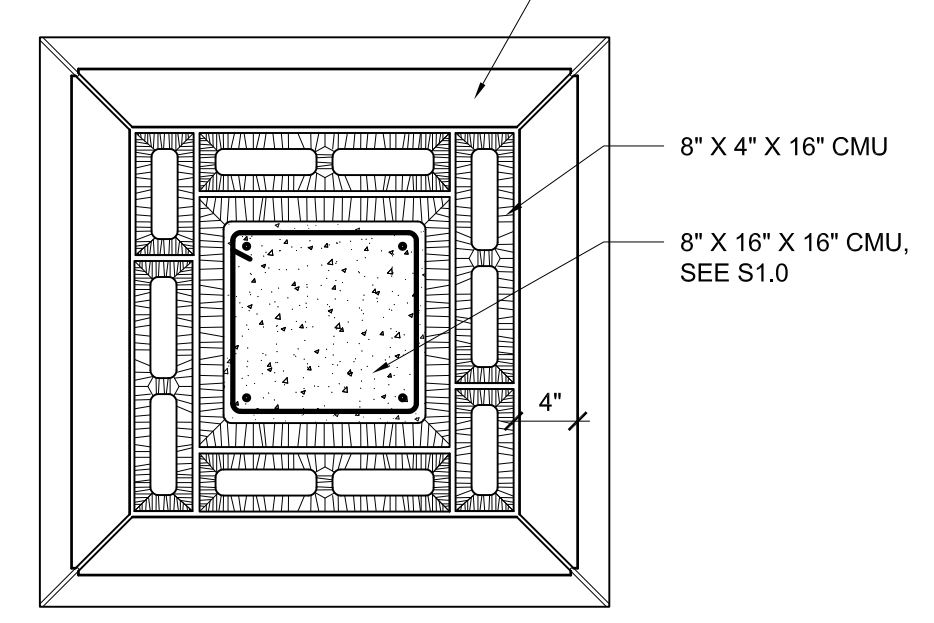
SECTION D9
1" = 1'-0"

ENLARGED PLAN D1
1/2" = 1'-0"

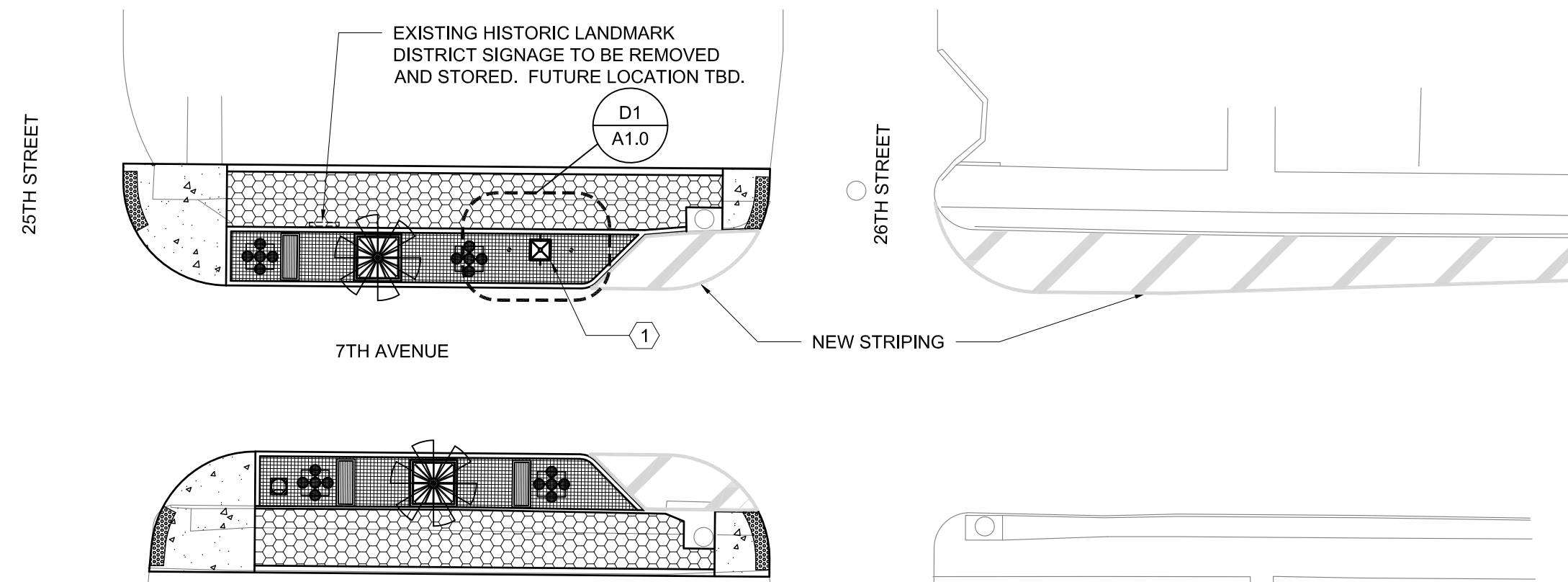
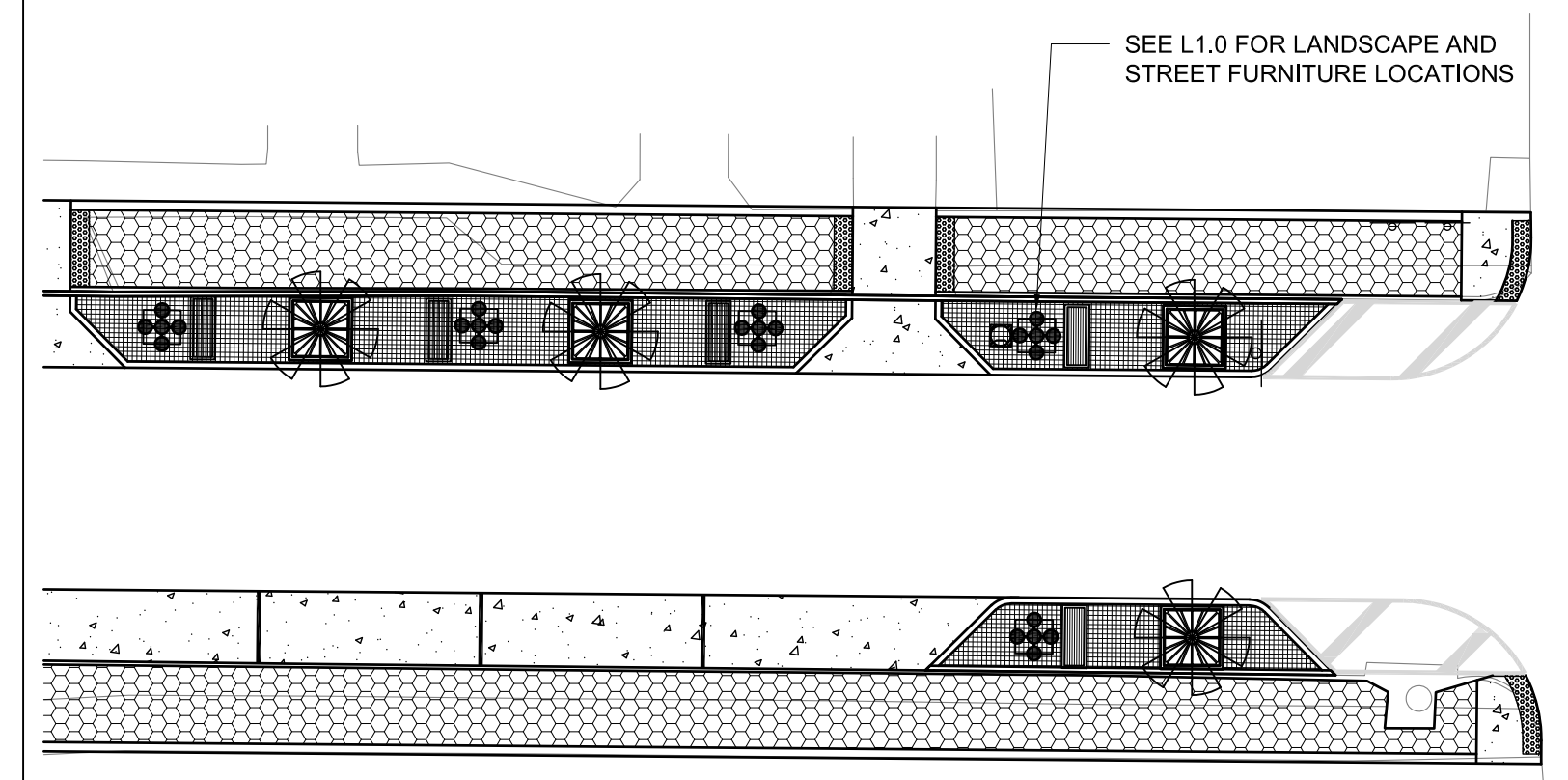
NOTES D1



PLAN DETAIL @ BRICK A14
1" = 1'-0"



PLAN DETAIL @ CAST STONE A11
1" = 1'-0"



SITE PLAN A1
1" = 20"

1315 E. SEVENTH AVENUE SUITE 106
TAMPA, FLORIDA 33605.3607
TELEPHONE 813.242.6677
FACSIMILE 813.242.6683

wilderarchitecture.com
AA26000655

PLAN & ELEVATIONS
YBOR CITY STREETSCAPE IMPROVEMENTS
YBOR CITY, TAMPA
HILLSBOROUGH COUNTY, FLORIDA

SHEET TITLE:

05/22/17
John W. Thompson, AIA
AR 91271

DRAWN BY: CHECKED BY:
JOB #: 00449.0013
SEC TWP RNC: 17-29S-18E
DATE: 04-23-2020

A1.0

GENERAL NOTES / PLAN & SECTION
YBOR CITY STREETSCAPE IMPROVEMENTS
YBOR CITY, TAMPA
HILLSBOROUGH COUNTY, FLORIDA

MILLER STRUCTURAL ENGINEERING
2350 W. KENNEDY BLVD
SUITE 700, ORLANDA, FLORIDA 32836
LICENSEE: G.A. NO. 37789
LICENSEE: P.E. NO. 37984

WALTER W. MILLER
P.E.
No. 37984
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DRAWN BY: WWM
CHECKED BY:
JOB # 00449.0013 /MSE 16-038
SEC TWP RVC: 17-29S-18E
DATE: 04-23-2020

DESIGN CRITERIA NOTES:

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

GENERAL	FLORIDA BUILDING CODE-2017 6th EDITION
CONCRETE	ACI 318
MASONRY	ACI 530

DESIGN WIND CRITERIA:

1. DESIGN WIND LOADS USED IN THE DESIGN OF THIS STRUCTURE ARE BASED ON THE 2017 FLORIDA BUILDING CODE:
WIND SPEED V_{ult} = 145 MPH (ULTIMATE)
 V_{nsd} = 112 MPH (NOMINAL)
RISK CATEGORY II
EXPOSURE-B

DESIGN GEOTECHNICAL CRITERIA:

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

GENERAL STRUCTURAL NOTES:

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

FOUNDATION NOTES:

- THE BUILDING FOUNDATION DESIGN WAS BASED ON AN ASSUMED BEARING CAPACITY OF 2,000 PSF
- THE CONTRACTOR IS TO NOTIFY THE ARCHITECT/ENGINEER IF SOIL CONDITIONS ARE UNCOVERED THAT PREVENT THE REQUIRED SOIL BEARING PRESSURE FROM BEING OBTAINED.
- HORIZONTAL CONSTRUCTION JOINTS IN FOOTINGS WILL NOT BE PERMITTED. WHERE VERTICAL CONSTRUCTION JOINTS OCCUR IN CONTINUOUS FOOTINGS, PROVIDE A CONTINUOUS 2" X 4" KEYWAY.
- ALL FOOTINGS SHALL BEAR ON UNDISTURBED, FIRM NATURAL SOIL OR COMPACTED FILL. ALL FOUNDATION EXCAVATIONS SHALL BE EVALUATED BY THE TESTING AGENCY PRIOR TO POURING FOUNDATION CONCRETE.
- TOP OF FOOTING ELEVATION SHALL BE AS SHOWN ON PLANS AND SECTIONS. MAINTAIN THE TOP OF THE FOOTING AT A MINIMUM OF 8" BELOW FINAL GRADE.
- ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS". HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60.
- UNLESS OTHERWISE NOTED, THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR FOUNDATION REINFORCEMENT.
 - CONCRETE CAST AGAINST EARTH-3"
- ALL REINFORCING SHALL BE LAPPED 48 X BAR DIAMETERS AT SPLICES AND CORNERS UNLESS OTHERWISE NOTED.
- PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH NEW AND EXISTING UTILITIES. FOUNDATIONS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES.

CAST-IN-PLACE CONCRETE NOTES:

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

TYPE	MIN. f'_c (28 DAYS)	SLUMP	AGG SIZE
COLUMNS	3000 PSI	3" TO 5"	#57
FOOTINGS	3000 PSI	3" TO 5"	#57

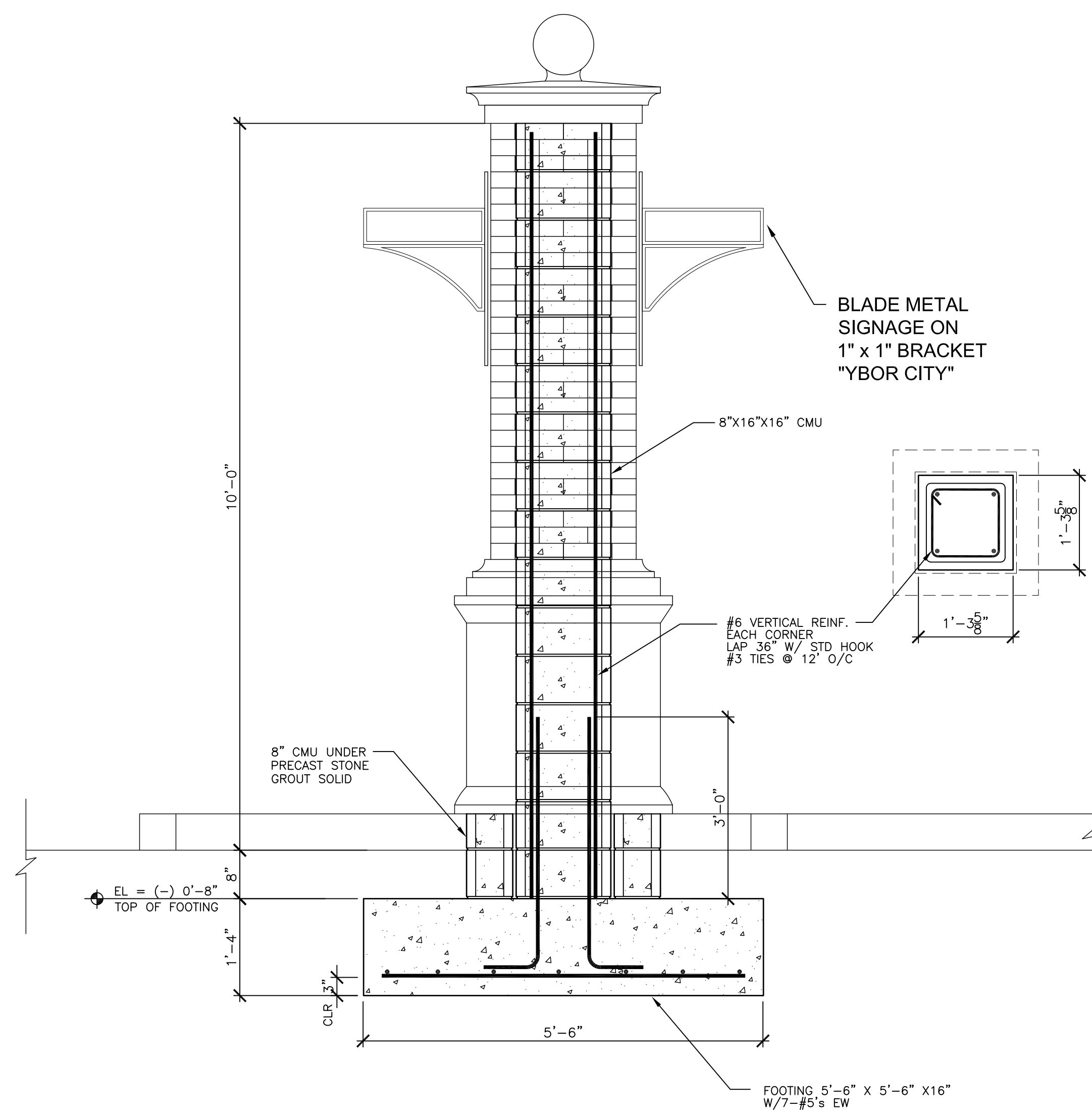
- AT CONTRACTOR'S OPTION, AN APPROVED ADMIXTURE (SUPER PLASTICIZER) MAY BE USED TO PRODUCE FLOWABLE CONCRETE. MAXIMUM SLUMP SHALL NOT EXCEED 8 INCHES. THE CONTRACTOR SHALL SUBMIT TEST RESULTS OF THE PROPOSED CONCRETE MIXES ALONG WITH THE MANUFACTURER'S TECHNICAL DATA FOR APPROVAL PRIOR TO POURING CONCRETE.
- ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS". HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.
 - ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. ALL WELDING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH AWS D1.4.
 - ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A-185 (FLAT SHEETS ONLY).
 - ALL REINFORCING STEEL SHALL BE SET AND TIED IN PLACE PRIOR TO POURING OF CONCRETE.
 - REINFORCING STEEL, INCLUDING HOOKS AND BENDS, SHALL BE DETAILED IN ACCORDANCE WITH ACI 315. ALL REINFORCING STEEL INDICATED AS BEING CONTINUOUS (CONT) SHALL BE LAPPED 48 X BAR DIAMETER. LAP CONTINUOUS BOTTOM BARS OVER SUPPORTS. LAP CONTINUOUS TOP BARS AT MID-SPAN UNLESS OTHERWISE NOTED.
 - UNLESS OTHERWISE NOTED, THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
 - CONCRETE EXPOSED TO WEATHER:
#6 THROUGH #18 BARS - 2"
#5 BAR, & SMALLER - 1 1/2"
 - CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
WALLS, ELEVATED SLABS (& JOISTS) - 1"
BEAMS AND COLUMNS - 1 1/2"
 - FOUNDATIONS CAST AGAINST EARTH - 3"
 - BAR SUPPORTS AND HOLDING BARS SHALL BE PROVIDED FOR ALL REINFORCING STEEL TO ENSURE MINIMUM CONCRETE COVER. BAR SUPPORTS SHALL BE PLASTIC TIPPED OR STAINLESS STEEL.
 - 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 HILTI HY 200/SIMPSON-SET/ALLIED A-100/ULTRA BOND/OR EQUAL.
HOLE DIAMETER = BAR/ANCHOR DIAMETER + 1/8"
HOLE DEPTH = 15 X BAR/ANCHOR DIAMETER
FOLLOW MANUFACTURER'S INSTALLATION PROCEDURES, I.E. BLOW OUT HOLES WITH COMPRESSED AIR AND BRUSH CLEAN.
A REBAR LOCATION SERVICE MAY BE REQUIRED.

MASONRY NOTES:

- MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATION FOR MASONRY STRUCTURES (ACI 530.1)" PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE. SEE "TESTING AND INSPECTION NOTES" FOR ADDITIONAL INFORMATION.
- HOLLOW LOAD-BEARING MASONRY UNITS SHALL CONFORM TO ASTM C-90, AND BE MADE WITH NORMAL WEIGHT AGGREGATE. UNIT COMPRESSIVE STRENGTH OF 2000 PSI ON NET SECTION TO PROVIDE A MINIMUM NET AREA COMPRESSIVE STRENGTH OF MASONRY (f'_m) OF 2,000 PSI, AS DETERMINED BY THE UNIT STRENGTH METHOD OF ACI 530.1.
- FILL ALL REINFORCED CELLS SOLIDLY WITH GROUT. GROUT SHALL CONFORM TO ASTM C-476 AND SHALL OBTAIN A MIN. 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI, 8-11" SLUMP, TESTED PER ASTM C-1019 EACH 5,000 SF. CONSOLIDATE AND RECONSOLIDATE BY VIBRATOR ALL GROUT POURS.
- REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A-615, GRADE 60. SHOP FABRICATE REINFORCING BARS WHICH ARE SHOWN TO BE HOOKED OR BENT. DOWELS SHALL HAVE STANDARD 90 DEGREE HOOKS AND LAPPED WITH FIRST LIFT OF REINFORCING. PROVIDE MINIMUM LAP: #5 = 30"
- 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. A4 MORTAR-AGGREGATE RATIO TEST METHOD
- PROVIDE BRICK TIES ANCHORS AT 16" ON CENTER.
- PRECAST STONE AND ANCHORS BY PRECAST MANUFACTURER.
- PROVIDE PRECAST STONE ELEMENTS COMPLYING WITH ACI530 & ACI318.
- THE MASONRY CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY WALL BRACING DURING CONSTRUCTION (SEE "GENERAL STRUCTURAL NOTES").

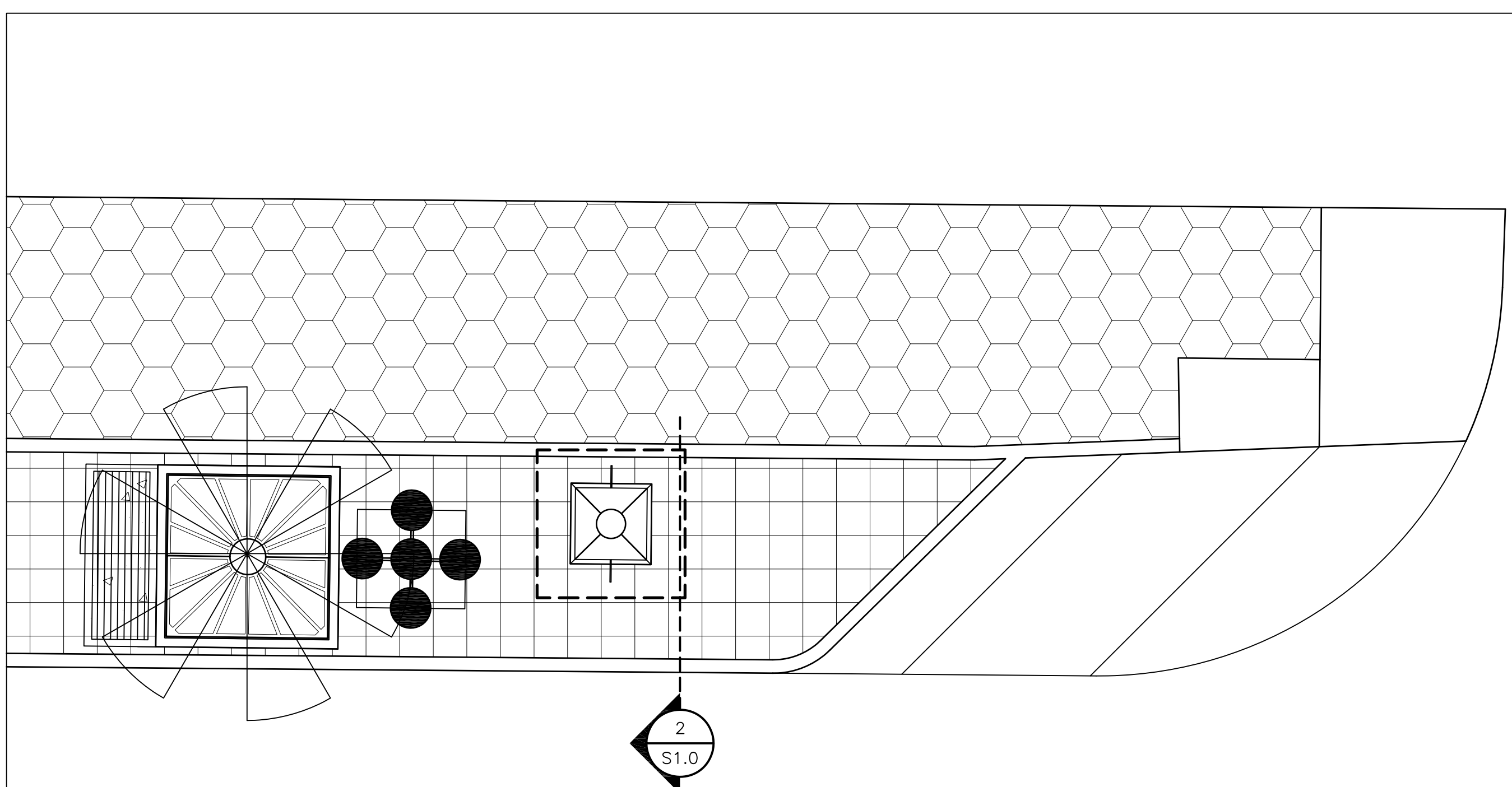
TESTING AND INSPECTION NOTES:

- AN INDEPENDENT TESTING LABORATORY SHALL PERFORM THE FOLLOWING TEST, AS A MINIMUM, UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.
- GEOTECHNICAL / FOUNDATIONS / SITE:
 - FOOTINGS: TEST EACH COLUMN FTG
 - CONCRETE:
 - COMPRESSIVE STRENGTH TEST, 1-SET OF CYLINDERS AND SLUMP TEST PER 50CY OF CONCRETE.
 - MASONRY:
 - REFERENCE ACI 530 SECTION 1.6 QUALITY ASSURANCE.
 - BLOCK STRENGTH PER THE UNIT STRENGTH METHOD ASTM C-140
 - GROUT STRENGTH TEST PER ASTM C-1019 EVERY 5,000 SF OF WALL
 - MORTAR TEST PER ASTM C-780 EVERY 5,000 SF OF WALL
 - MASONRY INSPECTION: BY THE CM DESIGNATED INSPECTOR. MASONRY INSPECTION SHALL MEET ACI 530 "LEVEL B QUALITY ASSURANCE" AS A MINIMUM VERIFY THE FOLLOWING:
 - PROPORTIONS OF MORTAR
 - CONSTRUCTION OF MORTAR JOINTS
 - LOCATION AND SIZE OF REINFORCEMENT AND EMBEDMENTS
 - GROUT MIX AND 8"-11" SLUMP REQUIREMENT
 - GROUT POUR HEIGHT, LIFT HEIGHT, PLACEMENT AND CONSOLIDATION
 - OBSERVE PREPARATION OF GROUT/MORTAR SPECIMENS



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

- NOTES:
1. FOOTING CONCRETE f'_c = 3000 PSI
2. MASONRY CMU f'_m = 2000 PSI
3. MASONRY GROUT f'_c = 3000 PSI
4. COMPACT SOILS UNDER FOOTING TO MEET 95% MODIFIED PROCTOR



1 PART PLAN
1/4" = 1'-0"

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY WALTER W. MILLER, P.E. STATE OF FLORIDA LICENSE NO. 37984 USING A SHA-1 AUTHENTICATION CODE SIGNATURE AND DATE

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.


TO THE BEST OF THIS ENGINEER'S KNOWLEDGE, THESE PLANS AND SPECIFICATIONS COMPLY WITH CHAPTER 16 OF THE 2017 FBC. GENERAL ARCHITECTURE AND MEP IS THE RESPONSIBILITY OF OTHERS

LUMINAIRE SCHEDULE						
TYPE	DESCRIPTION	VOLTS	WATTS	BALLAST (IF APPLICABLE)	LAMPS	MOUNTING
A	IN-GRADE LUMINAIRE, ROUND DOOR, DOUBLE LENS, WET LISTED, ANTI-SLIP, HYDREL M9700C-B-LED-P1-30K-MVOLT-NFL-FLCAS-34 B-BZ OR APPROVED EQUIVALENT	120	29	LED DRIVER	LED, 2,964 LUMENS, 30K	IN-GRADE
SA	STREET LUMINAIRE, SEE LIGHTING POLE DETAIL - FIXTURE 'SA' FOR DESCRIPTION AND FURTHER INFORMATION.	120	95	ELECTRONIC BALLAST	19W CF LAMP PER HEAD (TOTAL OF 5)	POLE MOUNTED

ELECTRICAL LEGEND		
SYMBOL	DESCRIPTION	MOUNTING
	BRANCH CIRCUIT CONDUIT AND WIRE CONCEALED ABOVE CEILING OR BEHIND FINISHED WALL	N/A
	BRANCH CIRCUIT CONDUIT AND WIRE CONCEALED BELOW FINISHED FLOOR OR UNDERGROUND	N/A
	RACEWAY EXPOSED ON WALL OR CEILING	N/A
	HOMERUN TO PANELBOARD - LETTER INDICATES PANEL, NUMBER INDICATES CIRCUIT, MINIMUM 3/4" CONDUIT. NOTE: ANY HOMERUN WITHOUT FURTHER DESIGNATION INDICATES TWO #12 AWG AND #12 AWG EQUIPMENT GROUND. PC OUTLET REQUIRES SEPARATE NEUTRAL, MIN. #10 AWG. DEDICATED CIRCUIT REQUIRES SEPARATE NEUTRAL	N/A
	LIGHTING POLE WITH GLOBE FIXTURE. SEE LIGHTING POLE DETAIL - FIXTURE 'SA' ON SHEET E1.0	MOUNT ON GRADE
	LED IN-GRADE LUMINAIRE, LETTER INDICATES TYPE	IN-GRADE - SEE FIXTURE SCHEDULE

ELECTRICAL GENERAL NOTES:
(THESE NOTES APPLY TO ALL SHEETS)

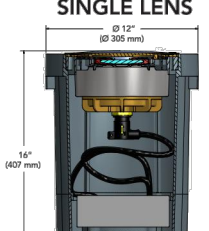
- ALL ELECTRICAL WORK SHALL MEET ALL OF THE REQUIREMENTS OF THE FOLLOWING:
 - FLORIDA BUILDING CODE (FBC) 6TH EDITION (2017); THIS CODE INCLUDES THE 2017 FBC BUILDING, MECHANICAL, PLUMBING, ENERGY CONSERVATION, FUEL GAS, ACCESSIBILITY, AND TEST PROTOCOLS VOLUMES. FURTHER, SEE "REFERENCED STANDARDS" IN THE FBC BUILDING CHAPTER 35; FBC MECHANICAL CHAPTER 15; FBC PLUMBING CHAPTER 14; FBC ENERGY CONSERVATION CHAPTER 8; AND FBC FUEL GAS CHAPTER 8 (EFFECTIVE DECEMBER 31, 2017)
 - 6TH EDITION OF THE FLORIDA FIRE PREVENTION CODE (FFPC); (THIS CODE ALSO INCLUDES THE FLORIDA VERSIONS OF NFPA 1 AND NFPA 101.) (EFFECTIVE DECEMBER 31, 2017)
 - 2014 NATIONAL ELECTRIC CODE
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND VERIFY THE EXISTING CONDITIONS TO GAIN KNOWLEDGE OF THE SCOPE OF WORK INVOLVED.
- "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
- IN GENERAL, THESE DRAWINGS ARE SCHEMATIC IN NATURE AND SHOULD NOT BE SCALED. IT SHALL NOT BE THE INTENT OF THESE PLANS AND/OR SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. PROVIDE ALL ITEMS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
- ELECTRICAL INSTALLATION SHALL BE CLOSELY COORDINATED WITH ALL OTHER TRADES. REVIEW THE ENTIRE SET OF DOCUMENTS FOR COORDINATION. NO COST SHALL BE ASSOCIATED WITH ILL-TIMED INSTALLATION INCLUDING ANY REPAIRS OR REPLACEMENTS.
- ALL CONDUITS AND BOXES SHALL BE CONCEALED UNLESS OTHERWISE NOTED. ALL CONDUIT RUNS ARE SCHEMATIC IN NATURE. EXACT ROUTING TO BE DETERMINED IN THE FIELD UNLESS OTHERWISE NOTED.
- PROVIDE ALL REQUIRED PULL BOXES, JUNCTION BOXES, ETC. FOR A COMPLETE INSTALLATION.
- ALL CONDUCTORS SHALL BE STRANDED COPPER, THHN/THWN, MINIMUM #12 AWG. ALL CONDUCTORS SHALL BE IN CONDUIT. FLEXIBLE CONDUIT SHALL BE LIMITED TO A MAXIMUM OF 6'-0" IN LENGTH.
- MC CABLE OR OTHER PREMANUFACTURED CABLING SHALL NOT BE USED UNLESS APPROVED BY THE OWNER AND ENGINEER.
- ALL CIRCUITS SHALL CONTAIN A SEPARATE, GREEN, COPPER GROUNDING CONDUCTOR.
- PANELBOARDS SHALL BE ACCURATELY LABELED TO IDENTIFY FINAL CIRCUIT NUMBERS UTILIZED, THEIR LOAD AND LOCATION.
- PROVIDE HANDLE TIES FOR 2 OR MORE SINGLE POLE WITH SHARED NEUTRALS TO COMPLY WITH NEC 210.4 (B)
- CONDUIT RUN BELOW GRADE SHALL BE PVC SCHEDULE 40. ELBOWS AND RISERS AND ANY EXPOSED CONDUITS SHALL BE GALVANIZED RIGID CONDUIT.
- ALL SITE UNDERGROUND CONDUIT SHALL BE BURIED A MINIMUM OF 24 INCHES DEEP BELOW FINISHED GRADE UNLESS OTHERWISE NOTED.
- ALL TURNS SHALL BE MADE WITH LONG SWEEP ELLS.
- CONTRACTOR SHALL PROVIDE ALL EXCAVATING AND BACK FILLING REQUIRED FOR ALL WORK, FILL, COMPACTION, SURFACE, ETC., TO MEET ALL REQUIREMENTS AS APPLICABLE FOR THIS AREA.
- CONTRACTOR TO DETERMINE THE PRESENCE AND LOCATION OF ANY UNDERGROUND EQUIPMENT SUCH AS TELEPHONE, ELECTRIC POWER, WATER, GAS, SEWAGE LINES, ETC., WHETHER PREVIOUSLY INSTALLED OR AS INSTALLED BY OTHER TRADES, PRIOR TO THE START OF CONSTRUCTION, TO AVOID INTERFERENCE WITH ANY SUCH SYSTEM.
- PROVIDE 2" CONCRETE COVER WHERE CONDUIT CANNOT MAINTAIN 24" BURIAL DUE TO EXISTING STORM PIPES.



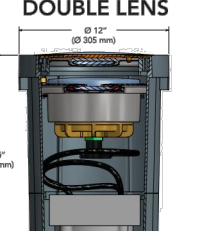
M9700C
In-Grade Luminaire

LED IP68 DLC

SINGLE LENS



DOUBLE LENS



Specifications

L	12"	12"
W	305 mm	305 mm
H	16"	16"
H	407 mm	407 mm

DESCRIPTION

The M9700C LED in-grade is a true one-for-one replacement for 50-150W metal halide luminaires, with all the benefits of LED. Hydrel's proven flow-through technology and industry leading IP68 rating ensures a 20-year service life. This eliminates routine lamp changes, providing material and labor savings, in addition to the energy savings associated with LED.

The M9700C LED series consists of a factory-sealed LED lamp module and encapsulated power module. The components are secured inside a heavy-duty polymer rough-in housing designed with channeled convective cooling, an integral junction box, and finished door trim assembly. These units can be flushed mounted into a variety of substrates or landscape materials.

ORDERING INFORMATION EXAMPLE: M9700C SS LED P3 40K MVOLT NSP FLC 34S

Model	Door Material	Source	Performance Package	LED Color	Voltage	Distribution	Lens ¹
M9700C	Round Door, Single Lens	A Aluminum	P1	29W 30K 3000K	MVOLT	NSP	Narrow Spot FLC
M9700C	Round Door, Double Lens	B Bronze	P2	29W 40K 4000K	(120-277 volt 50/60HZ)	NFL	Narrow Flood FLC
M9700C	Square Door, Single Lens	S Stainless Steel	P3	46W 50K 5000K		MFL	Medium Flood FLC10
M9700C	Square Door, Double Lens		P4	53W		FL	Flood FLC20
						WFL	Wide Flood FLC
						WWP	Wall Wash FLCAS
							FLCSAS

PANEL: D		AIC RATING: 22000 AMPS		1PH, 3W		MLO: 100 AMPS	
SERVICE: 120/240 V.,		NEMA 1 WITH COPPER BUS		MCB: 0		AMPS	
DESCRIPTION	KVA	BKR	CKT	A	B	CKT	BKR
LTG; STREET	0.7	20	1			2	20
LTG; STREET	0.8	20	3			4	0
SPARE	0	20	5			6	0
SPARE	0	20	7			8	0
SPARE	0	20	9			10	0
SPARE	0	20	11			12	0
SPARE	0	20	13			14	0
SPARE	0	20	15			16	0
SPARE	0	20	17			18	0
		A PH = 0.80		B PH = 0.80			
SERVES	CONN LOAD	FACTOR	FEED	DIVERSITY	KVAD	PANEL KVAD	
LIGHTING	1.50	x 1.25	= 1.88	x			
RECEPT	0.00	x *	= 0.00	x			
MISC EQUIP	0.00	x 1.00	= 0.00	x			
A/C	0.00	x 1.00	= 0.00	x			
HEATING	0.00	x 1.00	= 0.00	x			
LARGEST MOTOR	0.00	x 1.25	= 0.00	x			
OTHER MOTORS	0.00	x 1.00	= 0.00	x			
OTHER	0.10	x 1.00	= 0.10	x			
SPARE					22.03		
TOTALS	1.60	KVA			24.00	KVA	

* PER N.E.C. TABLE 220.44

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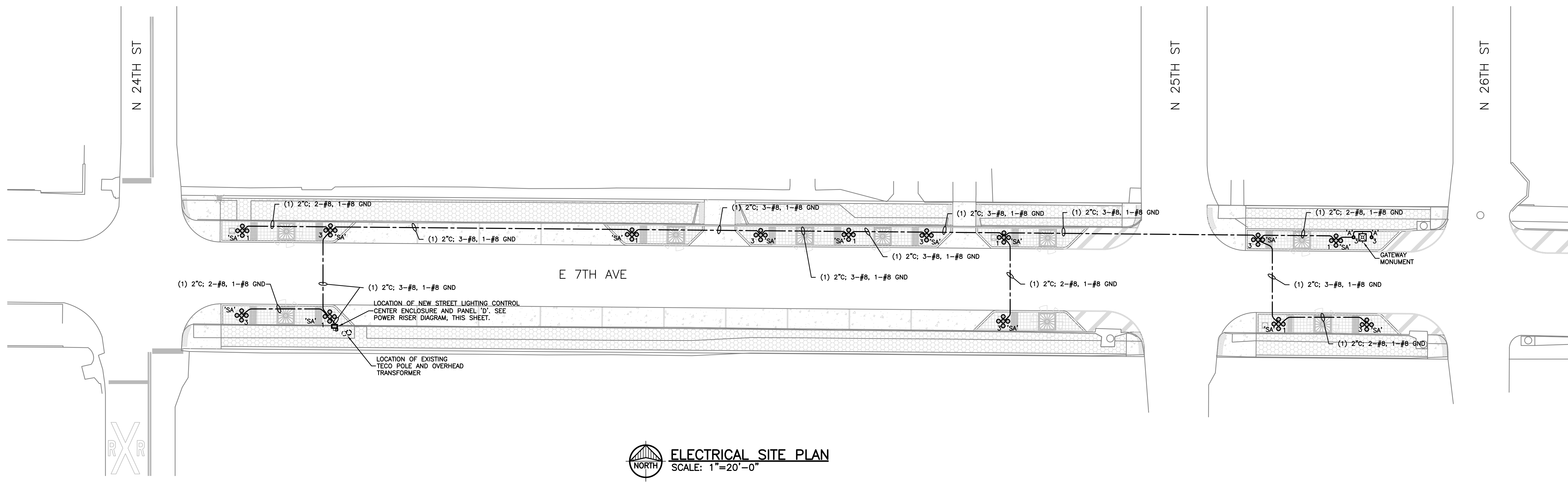
ELECTRICAL LEGEND, SCHEDULE AND NOTES
YBOR CITY STREETScape IMPROVEMENTS
YBOR CITY, TAMPA
HILLSBOROUGH COUNTY, FLORIDA

DRAWN BY:	TRG	CHECKED BY:	RCA
JOB #	00449.0013	SEC TWP RVC:	17-29S-18E
DATE:	04-23-2020		

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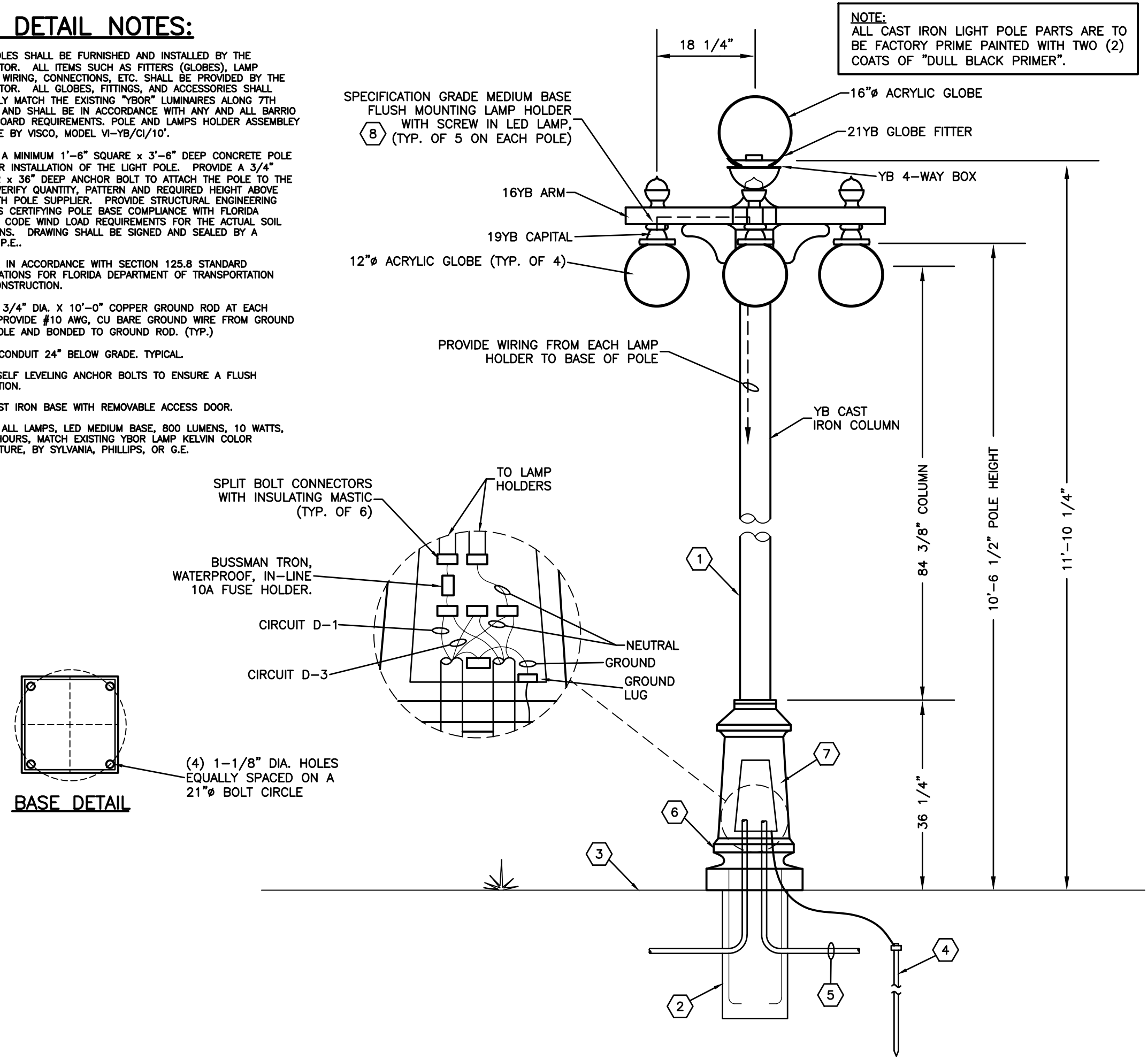


ELECTRICAL SITE PLAN
SCALE: 1"=20'-0"

ELECTRICAL SITE PLAN
YBOR CITY STREETSCAPE IMPROVEMENTS
YBOR CITY, TAMPA
HILLSBOROUGH COUNTY, FLORIDA

POLE DETAIL NOTES:

- 1 LIGHT POLES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. ALL ITEMS SUCH AS FITTERS (GLOBES), LAMP HOLDER, WIRING, CONNECTIONS, ETC. SHALL BE PROVIDED BY THE CONTRACTOR. ALL GLOBES, FITTINGS, AND ACCESSORIES SHALL PERFECTLY MATCH THE EXISTING "YBOR" LUMINAIRES ALONG 7TH AVENUE, AND SHALL BE IN ACCORDANCE WITH ANY AND ALL BARRIO LATINO BOARD REQUIREMENTS. POLE AND LAMP HOLDER ASSEMBLY SHALL BE BY VISCO, MODEL YH-YB/G/10".
- 2 PROVIDE A MINIMUM 1'-6" SQUARE X 3'-6" DEEP CONCRETE POLE BASE FOR INSTALLATION OF THE LIGHT POLE. PROVIDE A 3/4" DIAMETER X 36" DEEP ANCHOR BOLT TO ATTACH THE POLE TO THE BASE. VERIFY QUANTITY, PATTERN AND REQUIRED HEIGHT ABOVE BASE WITH POLE SUPPLIER. PROVIDE STRUCTURAL ENGINEERING DRAWINGS CERTIFYING POLE BASE COMPLIANCE WITH FLORIDA BUILDING CODE WIND LOAD REQUIREMENTS FOR THE ACTUAL SOIL CONDITIONS. DRAWING SHALL BE SIGNED AND SEALED BY A FLORIDA P.E.
- 3 BACKFILL IN ACCORDANCE WITH SECTION 125.8 STANDARD SPECIFICATIONS FOR FLORIDA DEPARTMENT OF TRANSPORTATION ROAD CONSTRUCTION.
- 4 PROVIDE 3/4" DIA. X 10'-0" COPPER GROUND ROD AT EACH POLE. PROVIDE #10 AWG, CU BARE GROUND WIRE FROM GROUND LUG ON POLE AND BONDED TO GROUND ROD. (TYP.)
- 5 INSTALL CONDUIT 24" BELOW GRADE, TYPICAL.
- 6 UTILIZE SELF LEVELING ANCHOR BOLTS TO ENSURE A FLUSH INSTALLATION.
- 7 10YB CAST IRON BASE WITH REMOVABLE ACCESS DOOR.
- 8 PROVIDE ALL LAMPS: LED MEDIUM BASE, 800 LUMENS, 10 WATTS, 11,000 HOURS. MATCH EXISTING "YBOR" LAMP KELVIN COLOR TEMPERATURE, BY SYLVANIA, PHILLIPS, OR G.E.



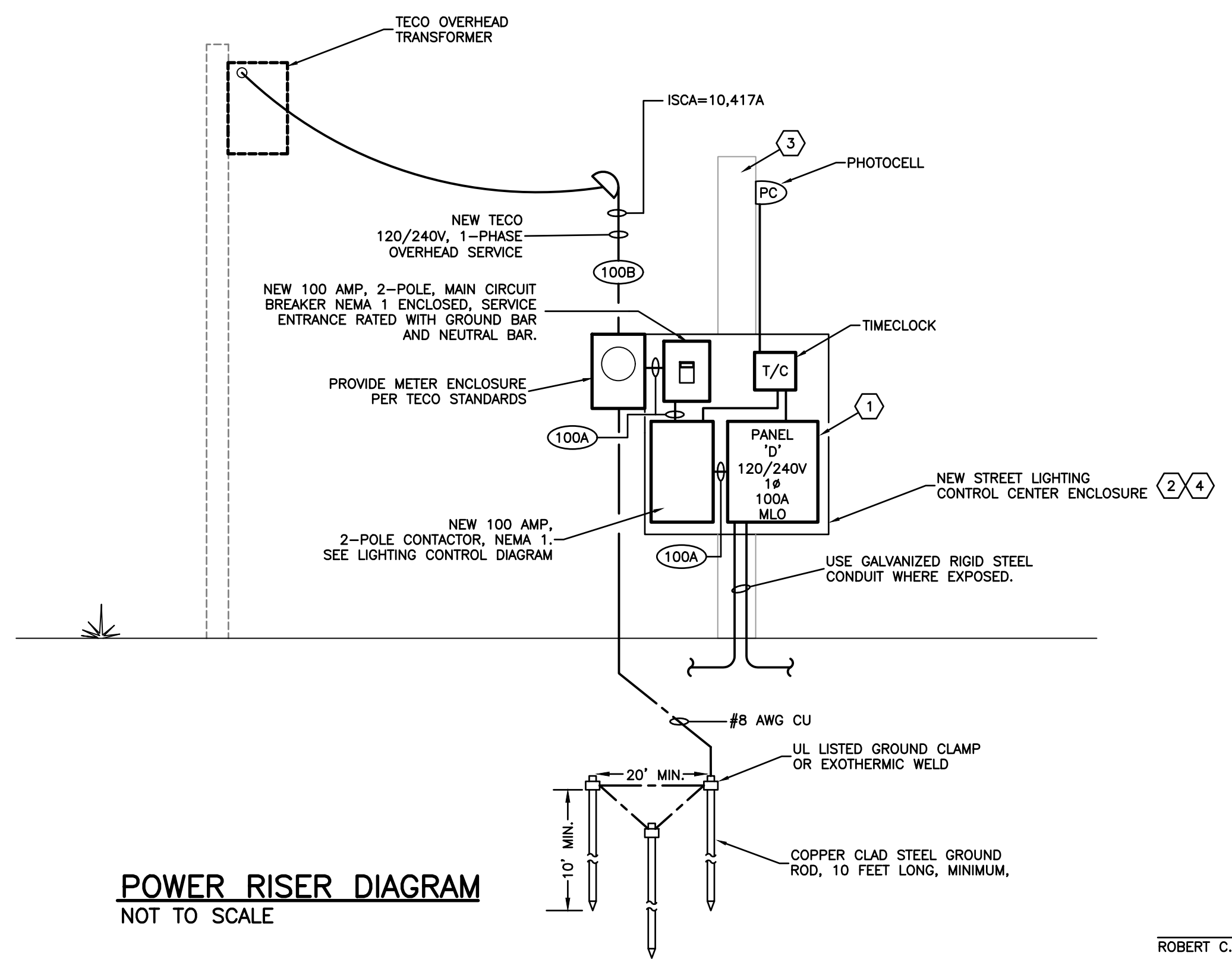
LIGHTING POLE DETAIL - FIXTURE 'SA'
NOT TO SCALE

FEEDER SCHEDULE

AMPS	CONDUIT & CABLING
100A	1-1/4" C; 2-#3, 1-#3 NEUTRAL, 1-#8 GROUND
100B	1-1/4" C; 2-#3, 1-#3 NEUTRAL

POWER RISER NOTES:

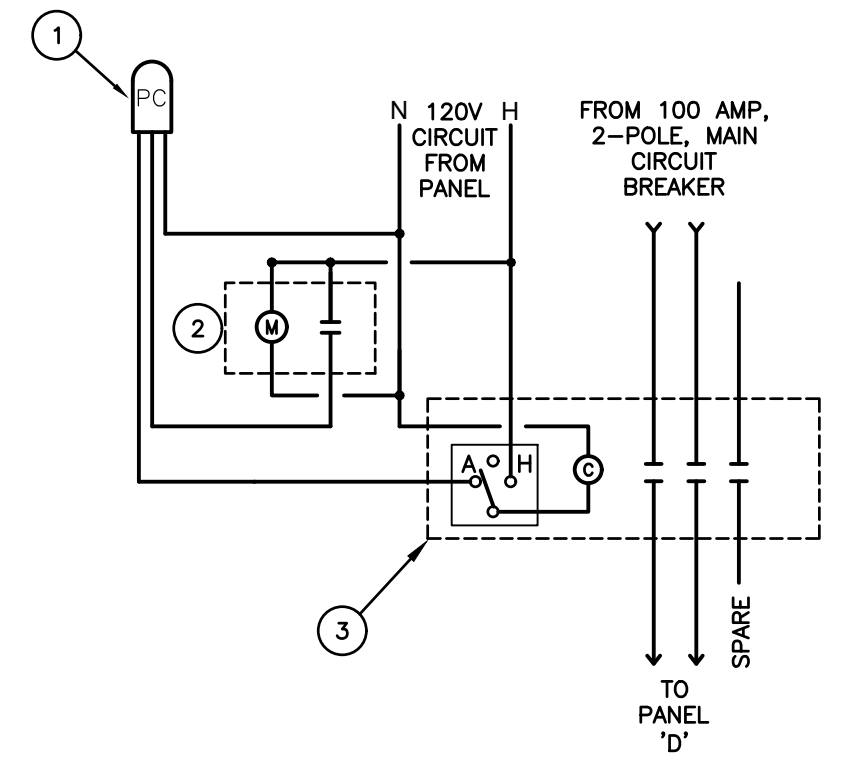
- 1 PROVIDE A 120/240 VOLT, 1 PHASE, 3 WIRE PANELBOARD IN A NEMA 1 ENCLOSURE, COMPLETE WITH THE REQUIRED CIRCUIT BREAKERS PER THE PANEL SCHEDULE. COPPER BUS, COPPER GROUND BAR, BOLT-ON BREAKERS, 22,000 AC, SQUARE D NO OR EQUAL BY GE, SEMENS, OR Eaton.
- 2 PROVIDE A STREET LIGHTING SYSTEM ENCLOSURE, ALL STAINLESS STEEL WITH STAINLESS STEEL HARDWARE AND HINGES. PROVIDE WITH HINGED, LOCKING FRONT DOOR. ENCLOSURE SHALL BE THE WIDTH, DEPTH AND HEIGHT REQUIRED TO MOUNT THE INDICATED EQUIPMENT AND MAKE ALL CONNECTIONS WITH ALL CODE REQUIRED CLEARANCE. MINIMUM 60" W x 45" H x 12" D.
- 3 PROVIDE CONCRETE POLE TO MOUNT WEATHERHEAD, METER, AND STREET LIGHTING ENCLOSURE.
- 4 ALL DEVICES INSIDE THE LIGHTING ENCLOSURE SHALL BE INSIDE THEIR OWN ENCLOSURES. ALL WIRING SHALL BE IN CONDUIT.



POWER RISER DIAGRAM
NOT TO SCALE

CONTROL DIAGRAM NOTES:

- 1 PROVIDE PHOTOCELL FOR OVER-RIDE. MOUNT PHOTOELECTRIC CELL FACING NORTH. COORDINATE EXACT LOCATION AND MOUNTING IN THE FIELD FOR MAXIMUM PERFORMANCE.
- 2 PROVIDE 7-DAY, ASTRONOMICAL DIGITAL TIME CLOCK FOR STREET LIGHTING. 120V, SINGLE POLE, DOUBLE THROW WITH BATTERY BACKUP, TORK EW2201 WITH MOMENTARY OPTION FOR MECHANICALLY HELD, OR APPROVED EQUIVALENT. MOUNT INSIDE LIGHTING CONTROL CABINET.
- 3 PROVIDE ELECTRICALLY OPERATED, MECHANICALLY HELD CONTACTOR FOR LIGHTING CONTROL, 20A, 240V, RATED CONTACTS, 3 POLE, WITH A 120V, COIL, HAND-OFF-AUTO SELECTOR SWITCH, NEMA 1 ENCLOSURE, WITH CONTROL COIL FOR CONTROL FROM THE TIME CLOCK SQUARE 'D' SOG11, GE #CR360ML2 TYPE OR APPROVED EQUAL. MOUNT INSIDE LIGHTING CONTROL CABINET.



LIGHTING CONTROL DIAGRAM
NOT TO SCALE

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SEC TWP RNC:	17-29S-18E		
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