

# CLINTON SQUARE PARK

FRONT/WHITEHEAD ST.  
KEY WEST, FLORIDA



DATE: NOV. 29, 2023  
 PROJECT NUMBER: 201036  
 PROJECT NAME: CLINTON SQUARE PARK  
 PREPARED BY: PEREZ ENGINEERING & DEVELOPMENT, INC.  
 PREPARED FOR: CITY OF KEY WEST  
 PLANS DESCRIPTION: BID SET

## BID SET PLANS

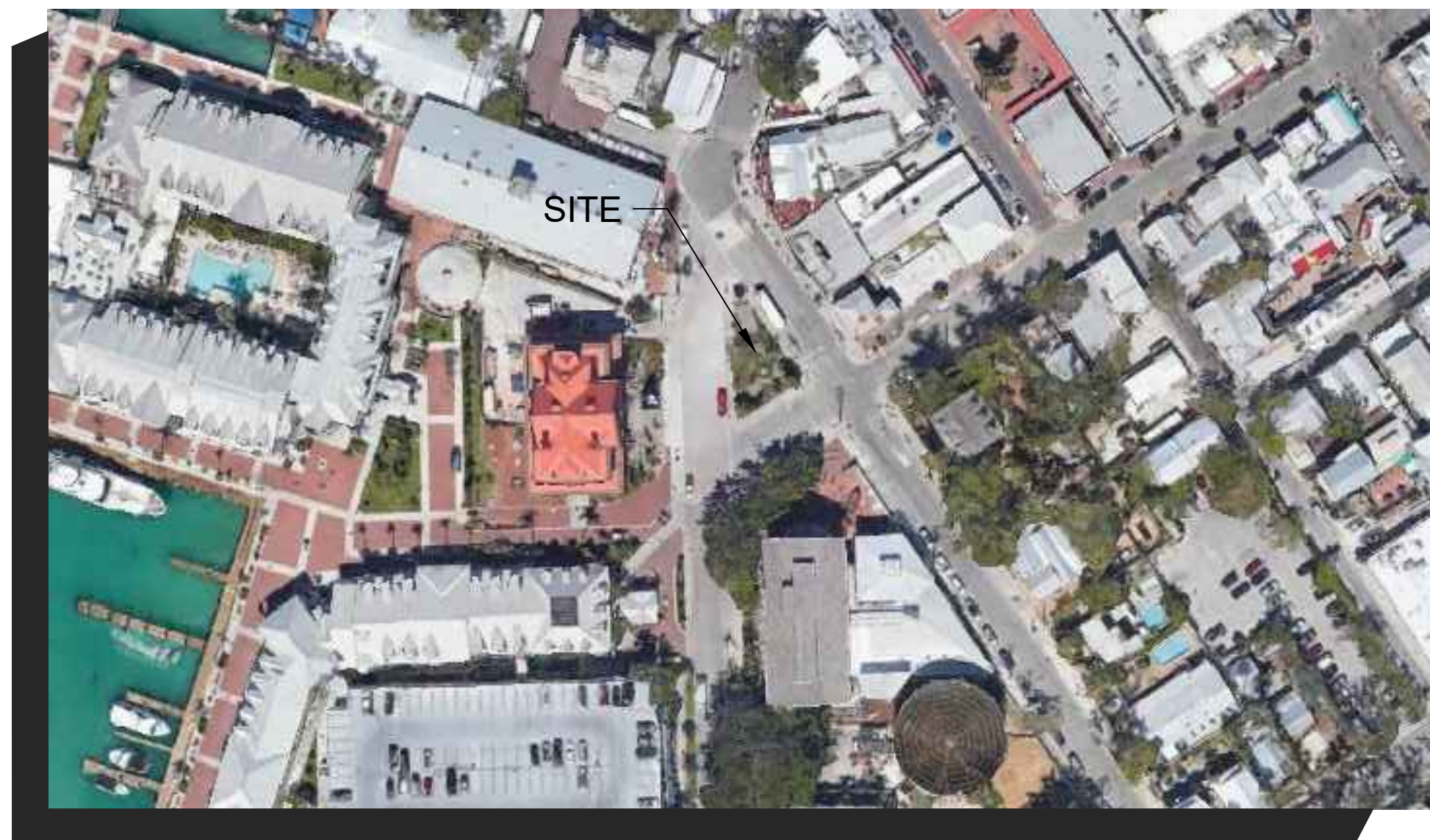
KEY WEST  
FLORIDA



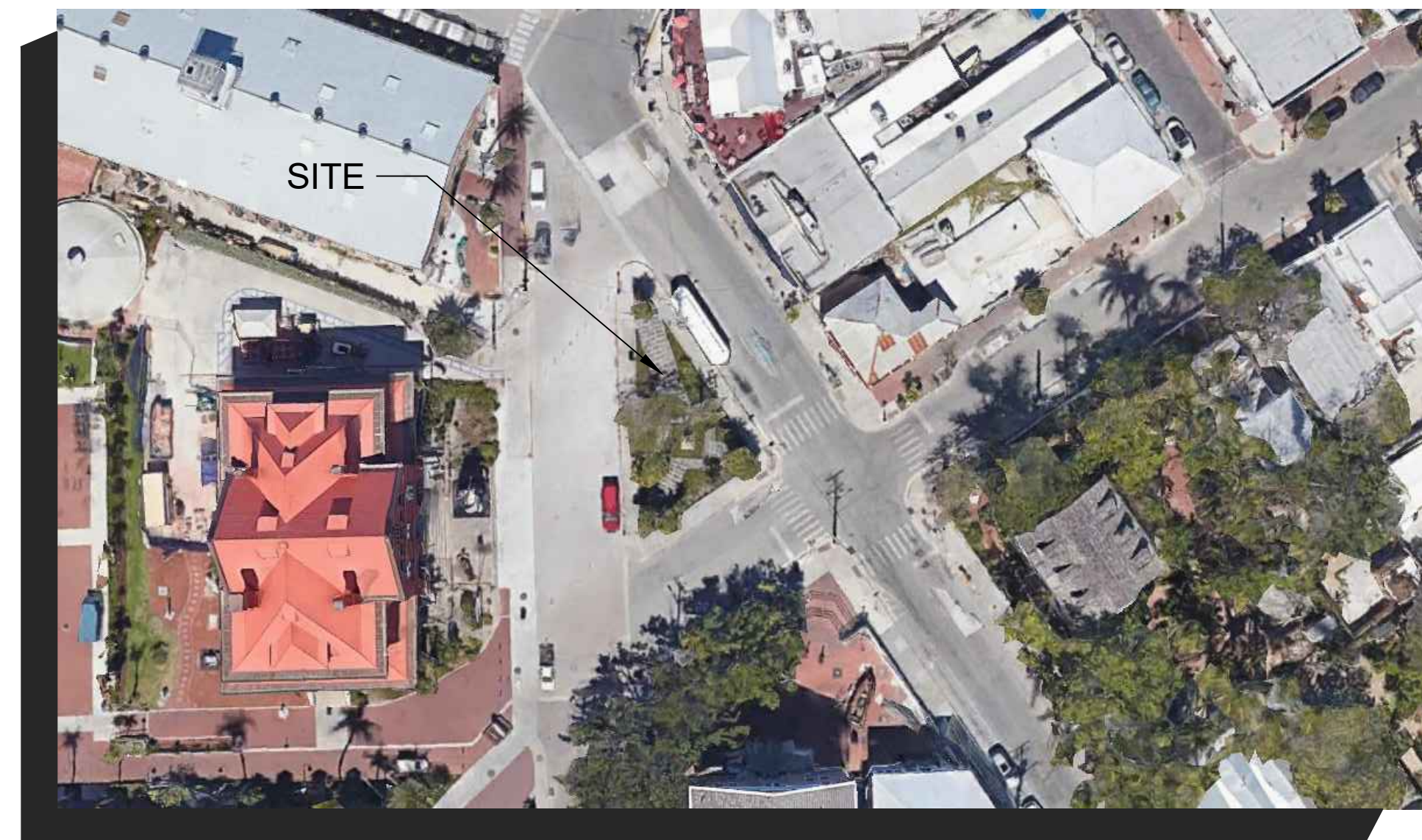
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VICINITY MAP  
NOT TO SCALE



LOCATION MAP  
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PROJECT LOCATION  
KEY WEST, FLORIDA

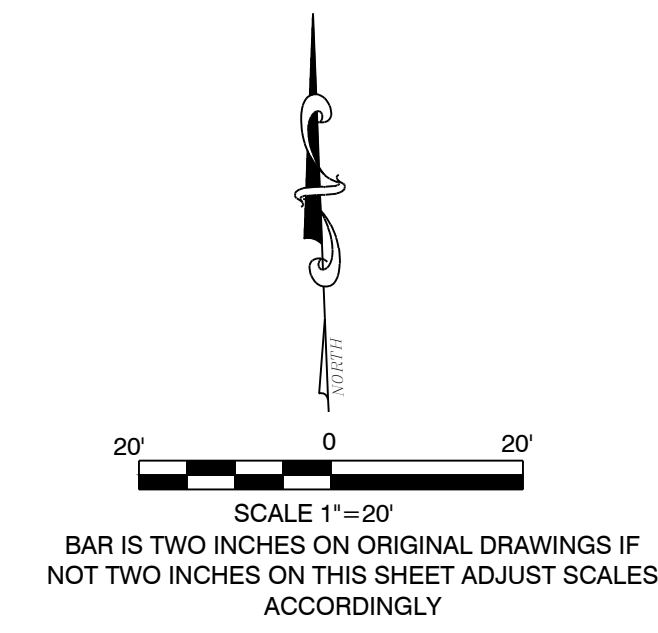
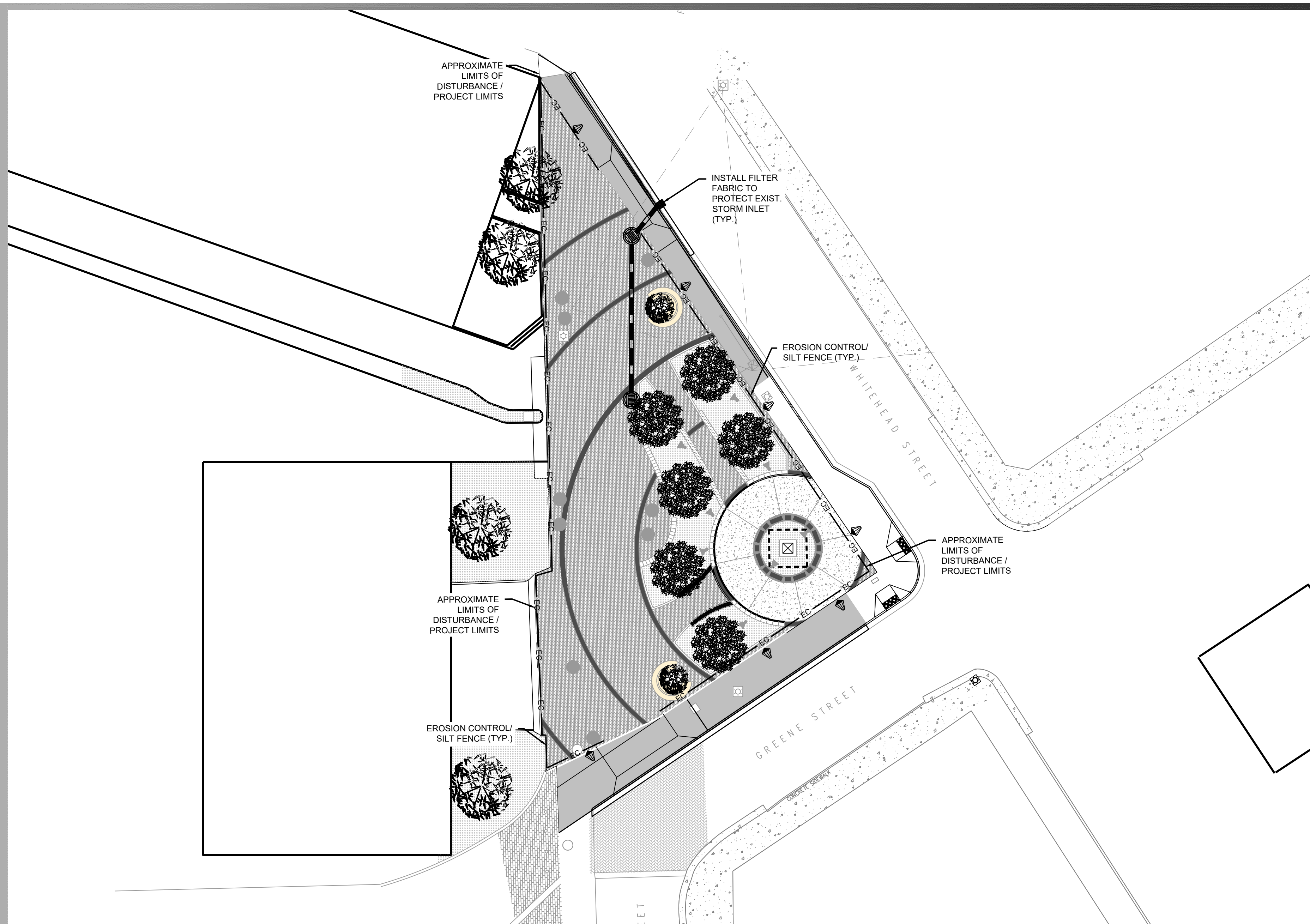
PREPARED FOR:  
CITY OF KEY WEST  
1300 WHITE ST.  
KEY WEST, FL 33040

REVISIONS:	DATE
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PEREZ ENGINEERING & DEVELOPMENT, INC.  
 1010 KENNEDY DRIVE, SUITE 202  
 KEY WEST, FLORIDA  
 (305) 293-9440

PERMIT AGENCY	PERMITS		STATUS
	TYPE	NUMBER	
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ALLEN E. PEREZ, P.E. NO. 51468  
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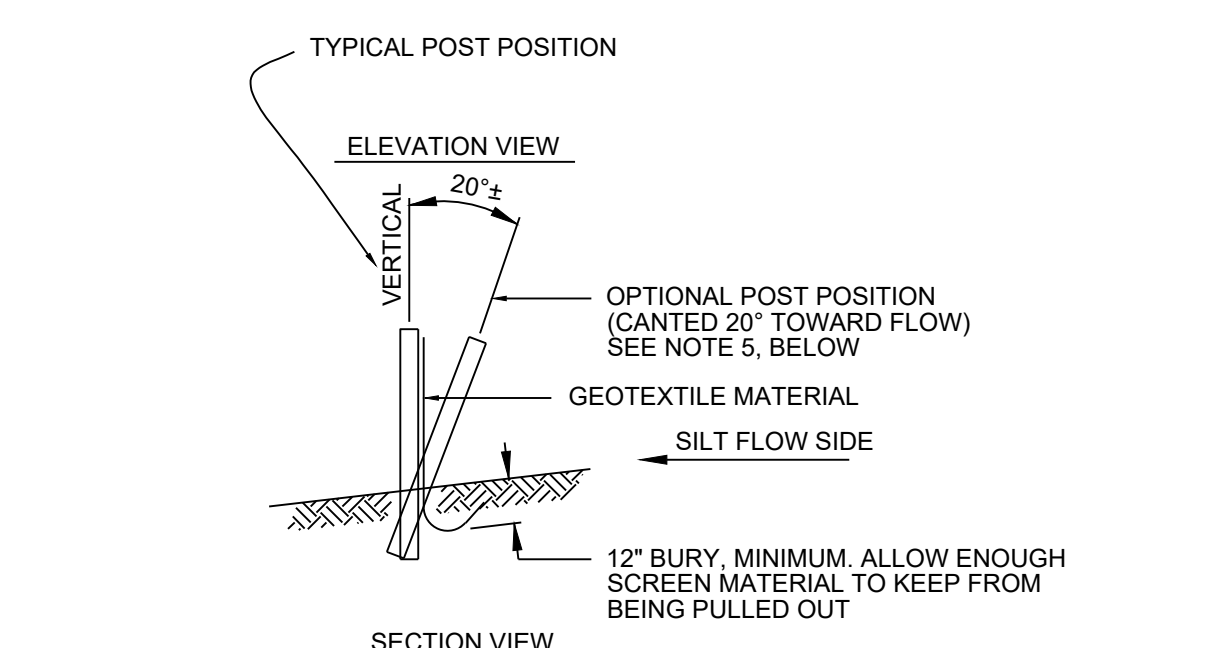
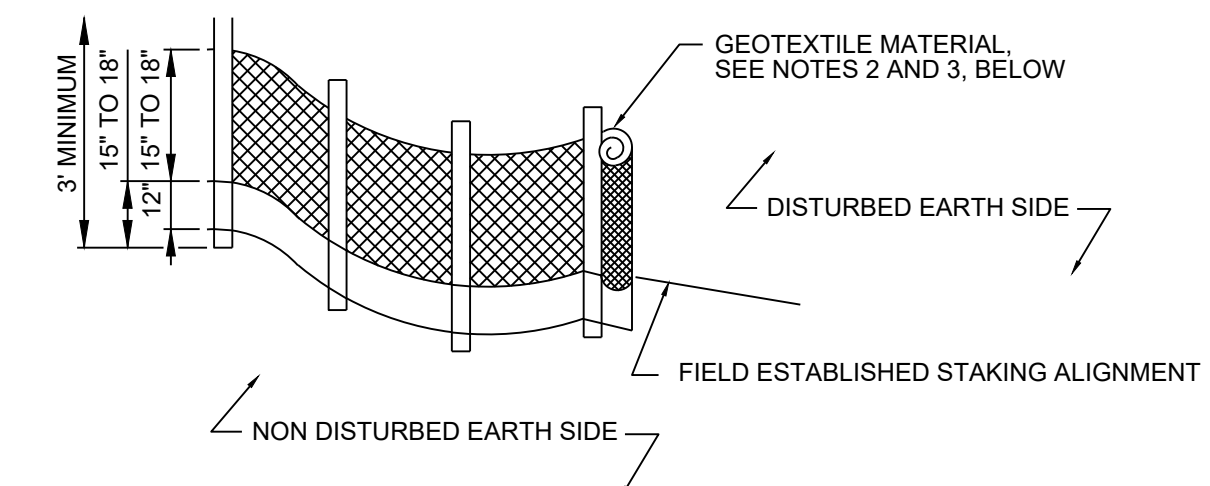


**SWPPP GENERAL NOTES**

- ALL AREAS WITHIN THE PROJECT LIMITS WILL BE SUBJECTED TO SOIL DISTURBANCE.
- THE ATTACHED BEST MANAGEMENT PRACTICES (BMP'S) DETAILS AND SPECIFICATIONS ARE ONLY A SUGGESTED APPROACH DEVELOPED FOR USE BY THE OWNER/CONTRACTOR TO ASSIST THEM IN IMPLEMENTING APPROPRIATE POLLUTION PREVENTION TECHNIQUES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING THE SWPPP.
- THE CONTRACTOR SHALL SUBMIT A "NOTICE OF INTENT TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES, DEP FORM 62-621.300(4)(B)," ALSO KNOWN AS NOTICE OF INTENT OR NOI, TO THE DEPARTMENT, AND SUBMIT THE PERMIT FEE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT THE BEST MANAGEMENT PRACTICES AS OUTLINED IN THE CIVIL DOCUMENTS, THE STORMWATER POLLUTION PREVENTION PLAN, AND SPECIFICATION.
- THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL PLAN FOR APPROVAL PRIOR TO STARTING CONSTRUCTION.

**EROSION CONTROL NOTES**

- EROSION, SEDIMENT, AND TURBIDITY CONTROL MEASURES SHALL BE PROVIDED THROUGHOUT CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND REPAIRING ALL SLOPES AND SURFACES THROUGHOUT CONSTRUCTION AND UNTIL A STABLE SURFACE CONDITION EXISTS. THE CONTRACTOR SHALL MINIMIZE THE EXPOSED AREA AT ANY POINT DURING CONSTRUCTION AS MUCH AS PRACTICAL.
- FILTER FABRIC SILT FENCE SHALL BE IN CONFORMANCE WITH FDOT STANDARDS AND SPECIFICATIONS.
- CONTRACTOR SHALL INSTALL EROSION CONTROLS NOTED ON DRAWINGS AND APPLICABLE PERMITS. EROSION CONTROLS SHALL BE MAINTAINED UNTIL A PERMANENT STAND OF GRASS IS PLANTED ONSITE.
- BALED HAY OR STRAW BARRIERS SHALL BE CONSTRUCTED AND MAINTAINED IN CONFORMANCE WITH FDOT STANDARDS AND SPECIFICATIONS.
- SILT FENCE LOCATIONS SHOWN HEREON ARE FOR CLARITY ONLY AND SHOULD BE CONSTRUCTED WITHIN PROPERTY LINES.
- PROVIDE EROSION CONTROL MEASURES CONSISTING OF STAKED SILT FENCES AND FILTER SOCK ALONG THE PROPOSED LIMITS OF CONSTRUCTION AS INDICATED ON THE DRAWINGS. PROVIDE ADDITIONAL MEASURES AS NECESSARY TO AVOID ADVERSE IMPACTS TO JURISDICTIONAL AREAS (WETLANDS OR WATER BODIES) AND OFF-SITE LANDS AND WATERBODIES. MAINTAIN THESE MEASURES DAILY UNTIL CONSTRUCTION ACCEPTANCE BY THE OWNER AND THEN REMOVE AND LEGALLY DISPOSE OF SAID MEASURES.
- EROSION CONTROL SHALL MAINTAINED WITHIN CONSTRUCTION AREA BY QUICKLY STABILIZING DISTURBED AREA TO PREVENT THE RELEASE OF SEDIMENT. THIS SHALL BE ACCOMPLISHED USING GRASS COVER, FILTER SOCK AND OTHER MEANS ACCEPTABLE TO OWNER, ENGINEER AND REGULATORY AGENCIES.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL, AT THE REQUEST OF THE OWNER OR AS NECESSARY MODIFY, RELOCATE THE ENVIRO-FENCE AND/OR SILT FENCE TO ALLOW FOR ACCESS AND TO COMPLETE CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ADEQUATE EROSION CONTROL AT ALL TIMES.
- DURING CONSTRUCTION, THE CONTRACTOR WILL PROVIDE TEMPORARY SEEDING AND MULCHING FOR AREA THAT HAVE BEEN CLEARED (INCLUDING AREAS OF CONCRETE AND PAVEMENT REMOVAL) AND NOT REWORKED WITHIN 7 CALENDAR DAYS DURING THE WET SEASON (APRIL THROUGH SEPTEMBER AND 14 CALENDAR DAYS DURING THE DRY SEASON (OCTOBER THROUGH MARCH). ALSO, ALL SIDE SLOPES SHALL BE SODDED OR SEEDDED AND MULCHED WITHIN 7 DAYS DURING WET SEASON AND 14 DAYS DURING THE DRY SEASON.
- ALL SURFACE WATER DISCHARGE FROM SITE, INCLUDING DEWATERING DISCHARGE SHALL MEET STATE WATER QUALITY STANDARDS (LESS THAN 29 NTU ABOVE BACKGROUND) PRIOR TO REACHING ANY WATERS OF THE STATE INCLUDING WETLAND.
- IN THE EVENT THAT THE EROSION PREVENTION AND CONTROL DEVICES SHOWN IN THESE PLANS PROVE NOT TO BE EFFECTIVE. ALTERNATE METHODS FOR MAINTAINING STATE WATER QUALITY STANDARDS FOR DISCHARGE FROM THE CONSTRUCTION SITE WILL BE REQUIRED. ANY ALTERNATE EROSION PREVENTION AND CONTROL DEVICES MUST BE APPROVED BY THE CITY AND SFWMD COMPLIANCE PERSONNEL PRIOR TO PLACEMENT.



- NOTES:**
- POST: 2"x2" WOOD, P.T. OR 2-1/2" O STEEL AT 6' CENTERS, MAXIMUM.
  - GEOTEXTILE: GRAB TENSILE AT 90 LBS, TRAPEZOIDAL TEAR AT 35 LBS., MULLEN BURST AT 180 PSI.
  - GEOTEXTILE MATERIAL SHALL BE BURIED IN THE GROUND A MINIMUM OF 12" AND BACK FILLED.
  - ALSO SEE FDOT INDEX 1189 "GEOTEXTILE CRITERIA", EROSION CLASS.
  - OPTIONAL POST POSITION REQUIRED WHEN SLOPE IS GREATER THAN 1:2.

1 Staked Silt Barrier Detail  
NTS

2 GRAVEL CONSTRUCTION ENTRANCE  
NTS

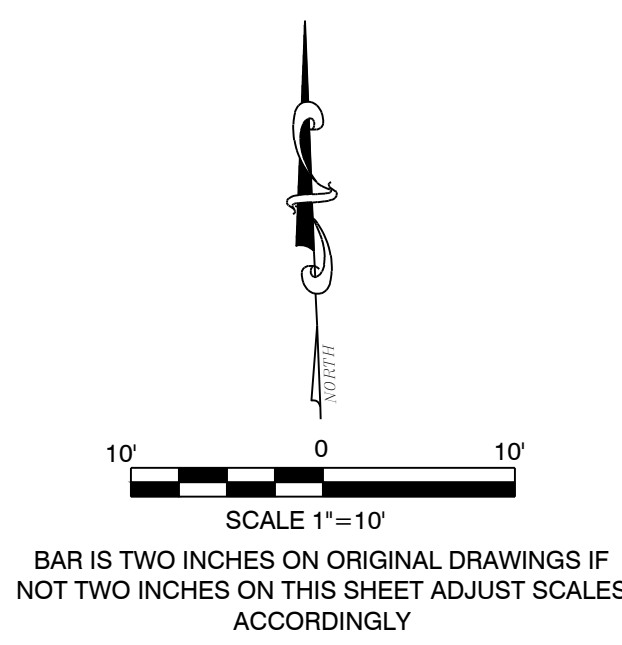
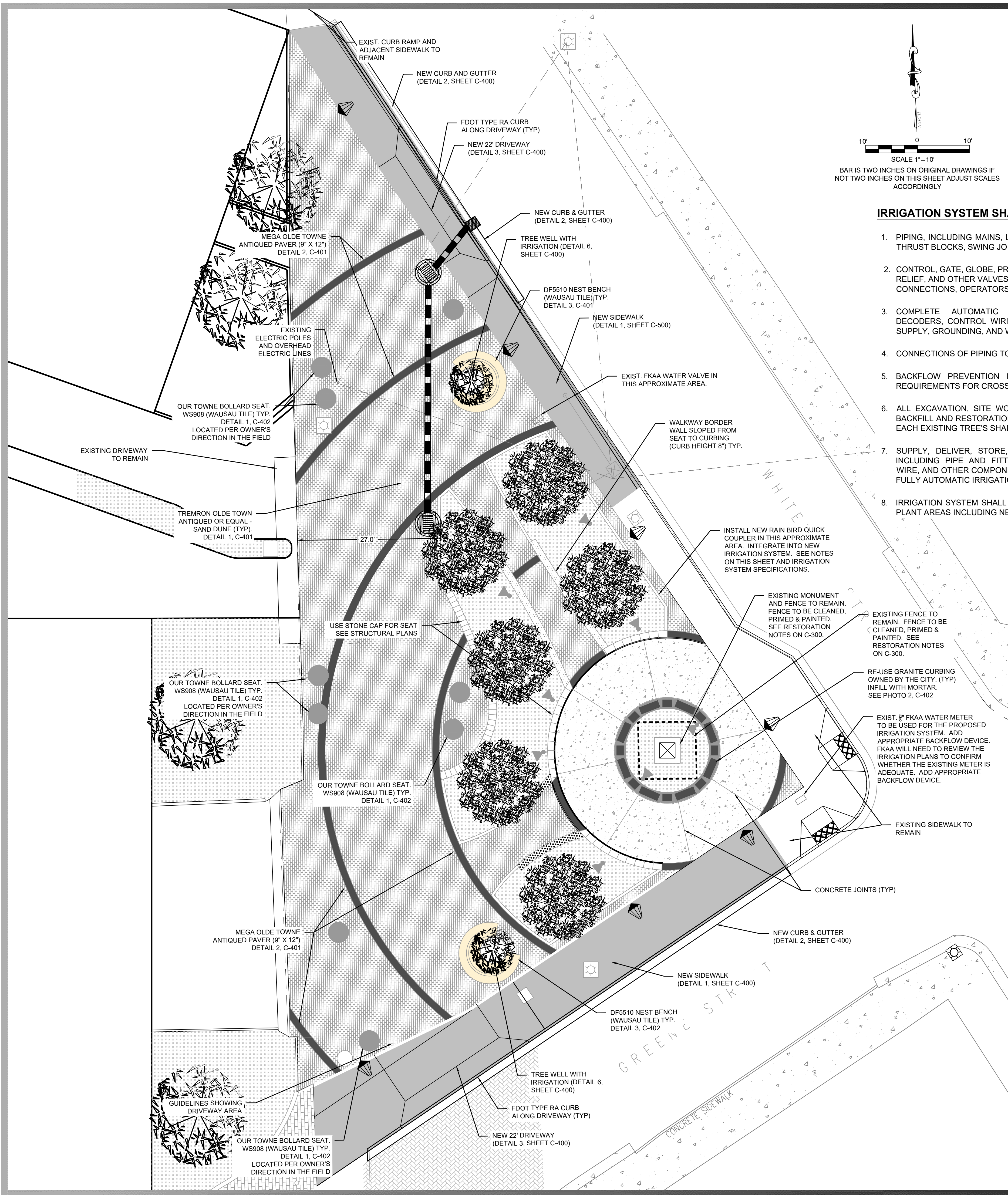
ORIGINAL: OCT. 2020

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CITY OF KEY WEST  
CLINTON SQUARE PARK  
FRONT/WHITEHEAD STREET  
EROSION CONTROL PLAN

CITY OF KEY WEST  
1300 WHITE STREET  
KEY WEST, FL. 33040

JOB NO.	201036
DRAWN	AEP
DESIGNED	AEP
CHECKED	AEP



**IRRIGATION SYSTEM SHALL INCLUDE THE FOLLOWING:**

1. PIPING, INCLUDING MAINS, LATERALS, FITTINGS, SLEEVES, CONNECTIONS, TEES, THRUST BLOCKS, SWING JOINTS, AND OTHER ACCESSORIES.
2. CONTROL, GATE, GLOBE, PRESSURE REDUCING, QUICK COUPLING, AIR RELIEF, AND OTHER VALVES INCLUDING VALVE BOXES, MARKERS, CONNECTIONS, OPERATORS, AND OTHER ACCESSORIES.
3. COMPLETE AUTOMATIC CONTROL SYSTEM INCLUDING CONTROLLERS, DECODERS, CONTROL WIRING, WIRE CONDUIT, CONNECTIONS TO ELECTRICAL SUPPLY, GROUNDING, AND WATER CONSERVATION EQUIPMENT.
4. CONNECTIONS OF PIPING TO THE SUPPLY SOURCE AS REQUIRED.
5. BACKFLOW PREVENTION IN ACCORDANCE WITH LOCAL CODES TO MEET REQUIREMENTS FOR CROSS CONNECTION CONTROL.
6. ALL EXCAVATION, SITE WORK, RELOCATION, OR REPLACEMENT OF UTILITIES, BACKFILL AND RESTORATION OF ALL DISTURBED AREAS. THE ROOT SYSTEMS OF EACH EXISTING TREE'S SHALL BE PROTECTED.
7. SUPPLY, DELIVER, STORE, AND PROTECT ALL EQUIPMENT AND MATERIALS INCLUDING PIPE AND FITTINGS, SPRINKLER HEADS, VALVES, CONTROLLERS, WIRE, AND OTHER COMPONENT PARTS NECESSARY FOR THE INSTALLATION OF A FULLY AUTOMATIC IRRIGATION SYSTEM.
8. IRRIGATION SYSTEM SHALL BE DESIGNED TO PROVIDE 100% COVERAGE TO ALL PLANT AREAS INCLUDING NEW LANDSCAPE & TREE WELLS.

**GENERAL NOTES**

1. THE CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS AND ADVISE THE ENGINEER OF ANY CONFLICTS OF REPRESENTATION BETWEEN DRAWINGS AND/OR SPECIFICATIONS PRIOR TO COMMENCING WITH CONSTRUCTION.
2. THE CONTRACTOR SHALL REVIEW THE SURVEY AND SHALL FIELD-VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING ANY WORK UNDER THIS CONTRACT AND NOTIFY THE ENGINEER IN WRITING OF ANY DIFFERENCES BEFORE COMMENCING WITH ANY CONSTRUCTION.
3. HORIZONTAL COORDINATES ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM. VERTICAL ELEVATIONS ARE BASED ON NGVD 1929 DATUM.
4. THE LOCATIONS, SIZES, AND ELEVATIONS OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO OBTAIN ANY AVAILABLE RECORD DRAWINGS AND SHALL DETERMINE THE EXACT LOCATION AND ELEVATION IN THE FIELD. THE CONTRACTOR SHALL ANTICIPATE THAT SCANNING AND EXCAVATION USING LIGHT EQUIPMENT AND HAND METHODS WILL BE NECESSARY IN AREAS NEAR EXISTING UTILITIES AND STRUCTURES TO AVOID DAMAGING THESE FACILITIES.
5. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND ELEVATION IN THE FIELD PRIOR TO INSTALLING ANY NEW WORK THAT CROSSES OR CONNECTS TO EXISTING UTILITY SYSTEMS. LOCATIONS OF NEW UTILITIES SHALL BE ADJUSTED IN A MANNER APPROVED BY THE ENGINEER TO AVOID CONFLICTS. DAMAGES TO UTILITIES RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE CLIENT.
6. ALL EXCAVATION, TRENCHING, SHEETING, SHORING AND BRACING SHALL BE INSTALLED AS REQUIRED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS, INCLUDING OSHA (29 CFR 1926).
7. ALL ITEMS INDICATED TO BE REMOVED OR DEMOLISHED SHALL BE REVIEWED WITH THE OWNER TO DETERMINE IF THE ITEM IS TO BE PROPERTY OF THE CONTRACTOR. ALL ITEMS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS, UNLESS OTHERWISE NOTED. NO SALVAGE VALUE IS EXPRESSED OR IMPLIED BY THESE CONTRACT DOCUMENTS FOR ANY ITEMS TO BE REMOVED OR DEMOLISHED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF THE CONTRACTOR'S EQUIPMENT, MATERIALS, AND PERSONNEL, AND SHALL PROVIDE ADEQUATE BARRIERS TO PREVENT RISK TO OTHERS FROM THE CONTRACTOR'S ACTIVITIES.
9. WHERE ACTUAL DIMENSIONS AND SIZES ARE PROVIDED IN THE DRAWINGS, THEY SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. LARGE SCALE DRAWINGS SHALL TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS.
10. THE CONTRACTOR SHALL SEQUENCE HIS OPERATIONS SUCH THAT ORANGE MESH SAFETY FENCING IS PROVIDED ALONG ALL AREAS BEING TRENCHED AND NO TRENCH IS LEFT OPEN AT THE END OF THE WORK DAY.
11. NO CONNECTIONS FOR THE PURPOSE OF OBTAINING WATER SUPPLY DURING CONSTRUCTION SHALL BE MADE TO ANY FIRE HYDRANT OR BLOW-OFF STRUCTURE WITHOUT FIRST OBTAINING A CONSTRUCTION METER FROM THE FLORIDA KEYS AQUEDUCT AUTHORITY.
12. IF UNSATISFACTORY MATERIAL FOR ADEQUATE BEARING IS ENCOUNTERED AT THE NORMAL SUBGRADE, THE UNSATISFACTORY MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE FOUNDATION STABILIZATION MATERIAL AS SPECIFIED. REMOVE SOILS AND OTHER MATERIALS THAT ARE NOT SUITABLE MATERIALS FOR TRENCH BOTTOM TO SIX INCHES UNDER PIPE, MINIMUM.
 

REMOVE WET, YIELDING, OR MUCKY SOILS. REMOVE THE FOLLOWING SOILS:

  - a. TYPE CH AND TYPE MH CLASS IV SOILS.
  - b. ALL CLASS V SOILS.

REMOVE ORGANIC MATERIAL INCLUDING ROOTS, MULCH, OR OTHER VEGETABLE MATTER, WHICH IN THE OPINION OF THE ENGINEER, WILL RESULT IN UNSATISFACTORY FOUNDATION CONDITIONS.

REMOVE SOILS CONTAINING COBBLES, BOULDERS OR STONES LARGER THAN ONE AND ONE-HALF INCHES (1-1/2") IN DIAMETER.

REMOVE LEDGE ROCK AND HARDPAN. REMOVE ROCK AND HARDPAN TO PROVIDE BEDDING WIDTH 24 INCHES WIDER THAN PIPE.

REMOVE SOILS CONTAINING RUBBISH, TRASH, OR OTHER FOREIGN MATERIALS.
13. IN GENERAL, EXISTING STRUCTURES AND UTILITIES ARE NOTED AS EXISTING AND/OR SHOWN IN LIGHT LINE WEIGHT. NEW CONSTRUCTION IS SHOWN IN HEAVY LINE WEIGHT.
14. ALL FIELD LAYOUT AND SURVEYING FOR CONSTRUCTION OF THIS PROJECT SHALL BE PROVIDED BY THE CONTRACTOR AT HIS EXPENSE, UNDER THE DIRECTION OF A FLORIDA LICENSED PROFESSIONAL LAND SURVEYOR.
15. PROJECT LAYOUT - A DIGITAL FILE WILL BE FURNISHED TO THE CONTRACTOR TO LAYOUT THE CONCENTRIC PAVER RIDGE, CURBING, & SEAT WALL WITHIN THE PROJECT SITE.

BID SET PLANS

CIVIL ENGINEERING - REGULATORY PERMITTING - CONSTRUCTION MANAGEMENT

Key West Office  
 1010 E. Duval Street, Suite 202  
 Key West, Florida 33940  
 Tel: (305) 293-9440

**PEREZ ENGINEERING**  
 & DEVELOPMENT, INC  
 CERTIFICATE OF AUTHORIZATION No. 8379

ALLEN E. PEREZ, P.E.  
 Florida P.E. NO. 51468  
 November 29, 2023

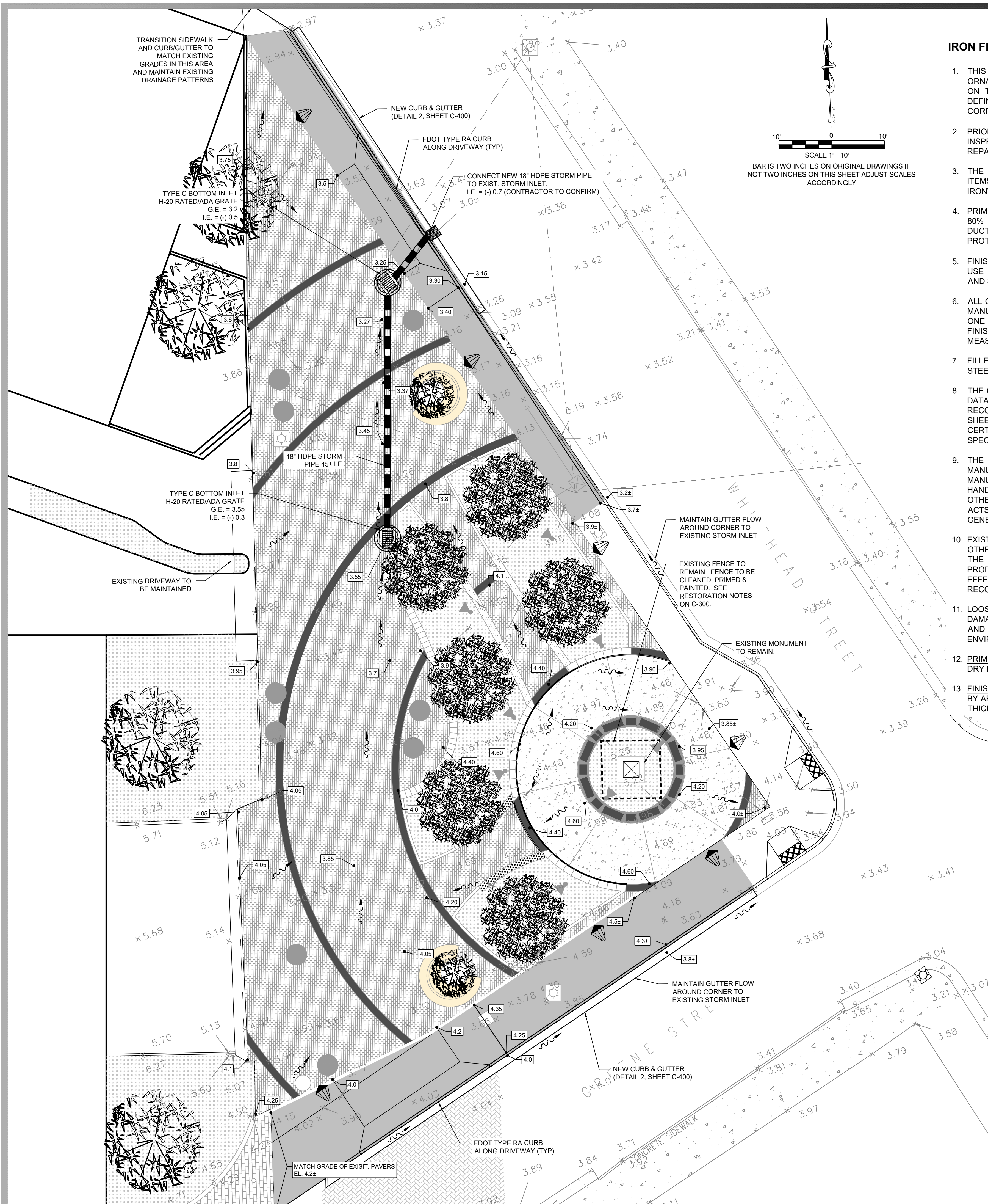
ORIGINAL	OCT. 2020
REVISIONS:	
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CITY OF KEY WEST  
 CLINTON SQUARE PARK  
 FRONT/WHITEHEAD STREET  
 CIVIL SITE PLAN

CITY OF KEY WEST  
 1300 WHITE STREET  
 KEY WEST, FL. 33040

JOB NO. 201036  
 DRAWN AEP  
 DESIGNED AEP  
 CHECKED AEP

SHEET C-200



**IRON FENCE RESTORATION NOTES:**

1. THIS WORK SHALL CONSIST OF IN-PLACE RESTORATION OF EXISTING HISTORIC ORNAMENTAL IRON FENCE AROUND THE CLINTON PARK OBELISK AS INDICATED ON THE DRAWINGS AND AS DIRECTED BY THE ENGINEER. RESTORING IS DEFINED, BUT IS NOT LIMITED TO, REMOVAL OF LOOSE PAINT/COATINGS AND CORROSION FROM EXISTING FENCING, THEN PRIME AND PAINT FENCE.
2. PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL HAVE MADE A COMPLETE INSPECTION OF ALL SURFACES AND ASSOCIATED ELEMENTS TO CONFIRM ALL REPAIRS AND ANY EXISTING CONDITIONS OF CONCERN.
3. THE CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ENGINEER ANY ITEMS REQUIRING REPAIR WORK, SUCH AS SERIOUS DETERIORATION OF IRONWORK COMPONENTS EXPOSED DURING COATING REMOVAL OR REPAIRS.
4. PRIMER SHALL BE AN ETHYL SILICATE ZINC-RICH (ZINC CONTENT NO LESS THAN 80% BY WEIGHT IN DRIED FILM) PRIMER SUITABLE FOR USE ON STEEL AND DUCTILE IRON AND MEETS OR EXCEEDS THE REQUIREMENTS OF SOCIETY FOR PROTECTIVE COATINGS (SSPC) PS 12.00.
5. FINISH COAT PAINT SHALL BE A WATERBORNE ACRYLIC EPOXY SUITABLE FOR USE ON FERROUS METALS. FINISH COLOR TO MATCH EXISTING. FINISH COLOR AND SHEEN TO BE APPROVED BY THE ENGINEER.
6. ALL COATINGS, PRIMER AND FINISH COATS SHALL BE OBTAINED FROM A SINGLE MANUFACTURER. THE CONTRACTOR SHALL SUBMIT FOR ENGINEER'S APPROVAL, ONE (1) SAMPLE FOR EACH TYPE OF COATING SYSTEM, INCLUDING PRIMER AND FINISH COATS, PREPARED ON A WROUGHT OR CAST-IRON METAL PLATE MEASURING NO LESS THAN 16 SQUARE INCHES.
7. FILLER COMPOUNDS SHALL BE EPOXY RESIN BINDER WITH METALLIC (IRON OR STEEL) FILLER PARTICLES.
8. THE CONTRACTOR SHALL SUBMIT COPIES OF THE MANUFACTURER'S TECHNICAL DATA TO THE ENGINEER FOR EACH PRODUCT INCLUDING THEIR RECOMMENDATIONS FOR INSTALLATION AND USE AND MATERIAL SAFETY DATA SHEETS (MSDS). THE CONTRACTOR SHALL INCLUDE TEST REPORTS AND CERTIFICATES THAT VERIFY THE PRODUCTS' COMPLIANCE WITH THE SPECIFICATION'S REQUIREMENTS.
9. THE CONTRACTOR SHALL DELIVER MATERIALS TO THE PROJECT SITE IN MANUFACTURER'S ORIGINAL AND UNOPENED PACKAGING, LABELED WITH MANUFACTURER'S NAME AND TYPE OF PRODUCTS. DELIVER, STORE, AND HANDLE MATERIALS TO PREVENT CRACKS, DENTS, SCRATCHED COATINGS, OR OTHER PHYSICAL DAMAGE. PROTECT MATERIALS FROM MOISTURE, TAMPERING, ACTS OF VANDALISM, AND POSSIBLE INJURY TO WORKERS AND THE PUBLIC IN GENERAL.
10. EXISTING FENCE SHALL BE CLEANED OF ALL DIRT, GRIME, OIL, GREASE, OR OTHER CONTAMINATION USING APPROPRIATE SOLVENTS THAT DO NOT HARM THE PRODUCT TO BE USED FOR THIS PURPOSE AND DEMONSTRATE ITS EFFECTIVENESS. ALL REMNANTS OF THE PRODUCT SHALL BE WASHED OFF AS RECOMMENDED BY THE PRODUCT'S TECHNICAL DATA SHEET.
11. LOOSE PAINT TO BE REMOVED VIA WIRE BRUSH OR OTHER METHOD AS TO NOT DAMAGE EXISTING IRONWORK. REMOVED PAINT CHIPS/DEBRIS TO BE HANDLED AND DISPOSED AS LEAD-BASED PAINT IN ACCORDANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS.
12. **PRIMER COATS:** TWO (2) COATS SHALL BE APPLIED TO PROVIDE A MINIMUM 5-MIL DRY FILM THICKNESS.
13. **FINISH COAT:** THE CONTRACTOR SHALL PROVIDE 4 - 9 MIL DRY FILM THICKNESS BY APPLYING ONE OR MORE COATS AS NECESSARY TO ACHIEVE SPECIFIED FILM THICKNESS. REPAINTED SURFACES SHALL HAVE A UNIFORM APPEARANCE.
14. ALL ADJACENT SURFACES SHALL BE PROTECTED FROM PAINT DRIPPINGS OR OTHER DAMAGE. THE CONTRACTOR SHALL IMMEDIATELY REMOVE MISPLACED COATINGS. THE CONTRACTOR SHALL REPLACE, AT NO ADDITIONAL COST TO THE CITY OF KEY WEST, ALL BROKEN, LOST, OR DAMAGED MATERIALS RESULTING FROM WORK.
15. ALL IRONWORK SURFACES SHALL BE COATED USING THE SPECIFIED COATING SYSTEM APPLIED ACCORDING TO THE MANUFACTURERS' REQUIREMENTS. ALL WORK SHALL BE DONE IN A WORKMANLIKE MANNER AND BY SKILLED WORKERS. ALL PAINT SHALL BE EVENLY SPREAD, SMOOTHLY FLOWED ON, AND SHALL BE FREE FROM DEFECTS. NO COAT SHALL BE APPLIED UNTIL THE PREVIOUS COAT HAS REACHED ITS "DRY TO HANDLE" (FOR THE FINISH COAT) OR "DRY TO RECOAT" (FOR THE PRIMER) TIME AS ESTABLISHED BY THE PAINT MANUFACTURER IN THE PRODUCT DATA SHEET. FINISH SURFACES SHALL BE UNIFORM. COATINGS SHALL BE BRUSH OR SPRAY APPLIED; ROLLERS SHALL NOT BE USED.
16. THE CONTRACTOR SHALL CONFIRM SURFACE TEMPERATURE OF METAL SURFACES PRIOR TO PAINTING OR INSTALLATION OF FILLER COMPOUNDS AND NOT PAINT OR USE FILLER COMPOUNDS IF SURFACE TEMPERATURE FALLS BELOW OR RISES ABOVE THAT RECOMMENDED BY THE COATING MANUFACTURER.
17. MARRED OR OTHERWISE DAMAGED COATINGS SHALL BE TOUCHED-UP WITH THE SPECIFIED COATING SYSTEM (PRIMER AND FINISH COATS) AS REQUIRED.
18. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL CLEAN ALL SURFACES OF ANY DEBRIS, PAINT DRIPS, CONSTRUCTION MATERIALS, ETC. AND PROTECT THE NEW WORK AGAINST DAMAGE FROM OTHER CLINTON SQUARE WORK. ANY DEFECTIVE OR FAILED WORK SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE USING APPROVED PROCEDURES.
19. THE CONTRACTOR SHALL COORDINATE FENCE PAINTING WITH PUBLIC CIRCULATION PATTERNS AT PROJECT SITE. PUBLIC CIRCULATION PATTERNS CANNOT BE CLOSED OFF ENTIRELY, AND IN PLACES CAN BE ONLY TEMPORARILY REDIRECTED AROUND SMALL AREAS OF WORK. THE CONTRACTOR SHALL PLAN AND EXECUTE THE WORK ACCORDINGLY.
20. SURROUNDING AREAS SHALL BE PROTECTED FROM CONTACT WITH THE SURFACE PREPARATION, CLEANING OPERATIONS, AND ABRASIVE MEDIA. SURROUNDING AREAS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, ADJACENT SURFACES AND STRUCTURES, PRIVATE PROPERTY INCLUDING AUTOMOBILES, VEGETATION, AND ALL OTHER SURFACES THAT WOULD BE ADVERSELY AFFECTED IF PLACED IN CONTACT WITH THE CLEANING MATERIALS OR ABRASIVE MEDIA. THE CONTRACTOR SHALL MAKE FULL RESTITUTION FOR DAMAGES CAUSED AT NO ADDITIONAL COST TO THE CITY. CONTRACTOR VEHICLE PARKING AND DELIVERIES SHALL BE COORDINATED ACCORDINGLY, AND THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN BARRICADES, DANGER SIGNALS AND WARNING SIGNS AS NEEDED.
21. THE CONTRACTOR SHALL NOT ALLOW SPENT MEDIA OR DEBRIS FROM THE COATING AND CORROSION REMOVAL PROCESS TO ENTER STORM SEWER SYSTEM, CONTAMINATE WATER SUPPLIES OR TO ENTER NATURAL BODIES OF WATER. SPENT MEDIA AND DEBRIS SHALL BE COLLECTED AND PROPERLY DISPOSED.

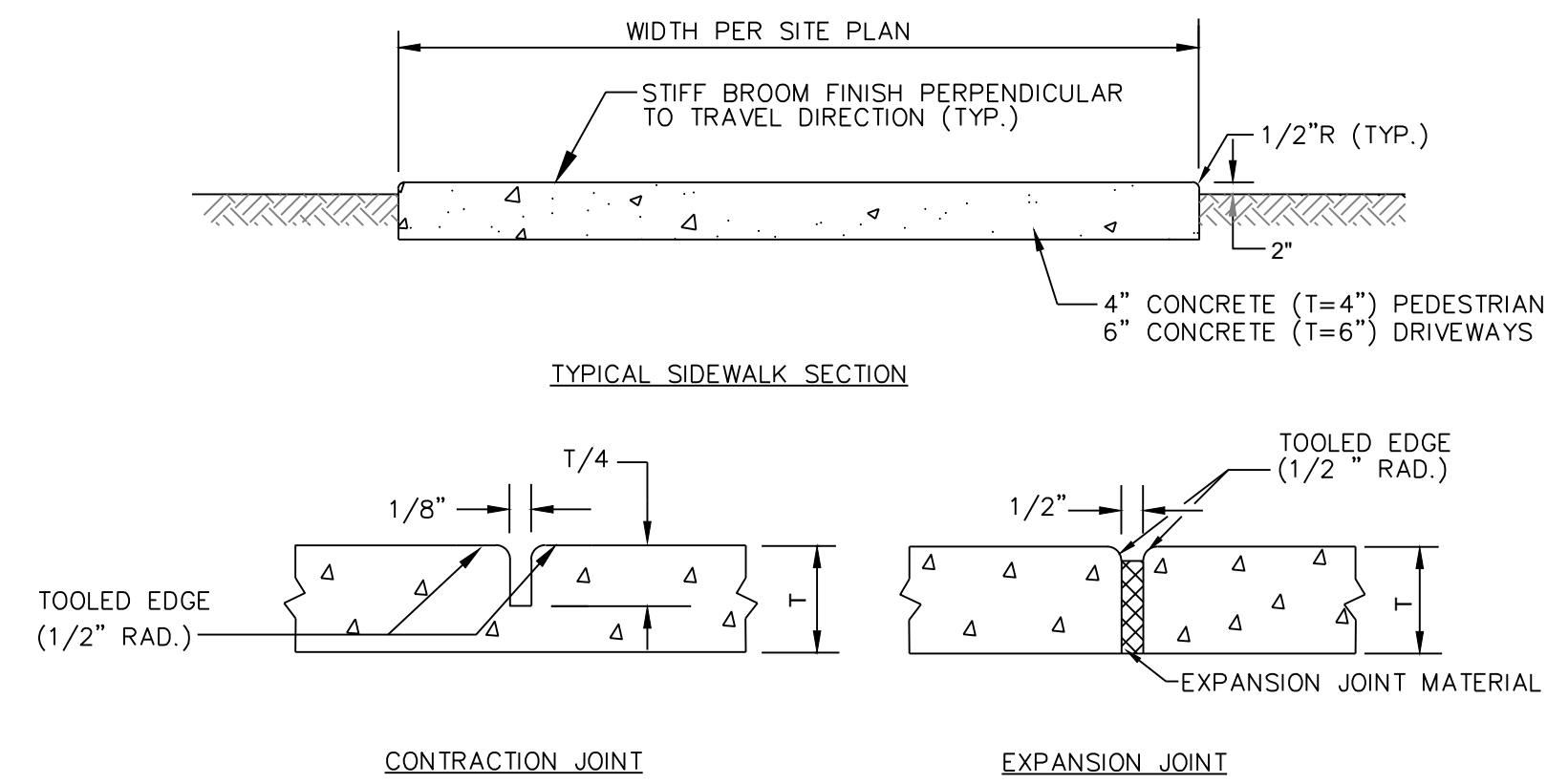
**SURFACE SLOPES NOT TO EXCEED 2% IN PEDESTRIAN AREAS**

**UTILITY NOTES:**

1. ALL STORM SEWER APPURTENANCES SHALL BE IN ACCORDANCE WITH FDOT ROADWAY STANDARD DRAWINGS UNLESS OTHERWISE NOTED.
2. UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS, OR VISIBLE EVIDENCE AND, THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN. VERIFICATIONS OF THE LOCATIONS AND/OR EXISTENCE OF UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, SHOWN OR NOT SHOWN, SHALL BE THE RESPONSIBILITY OF OTHERS.

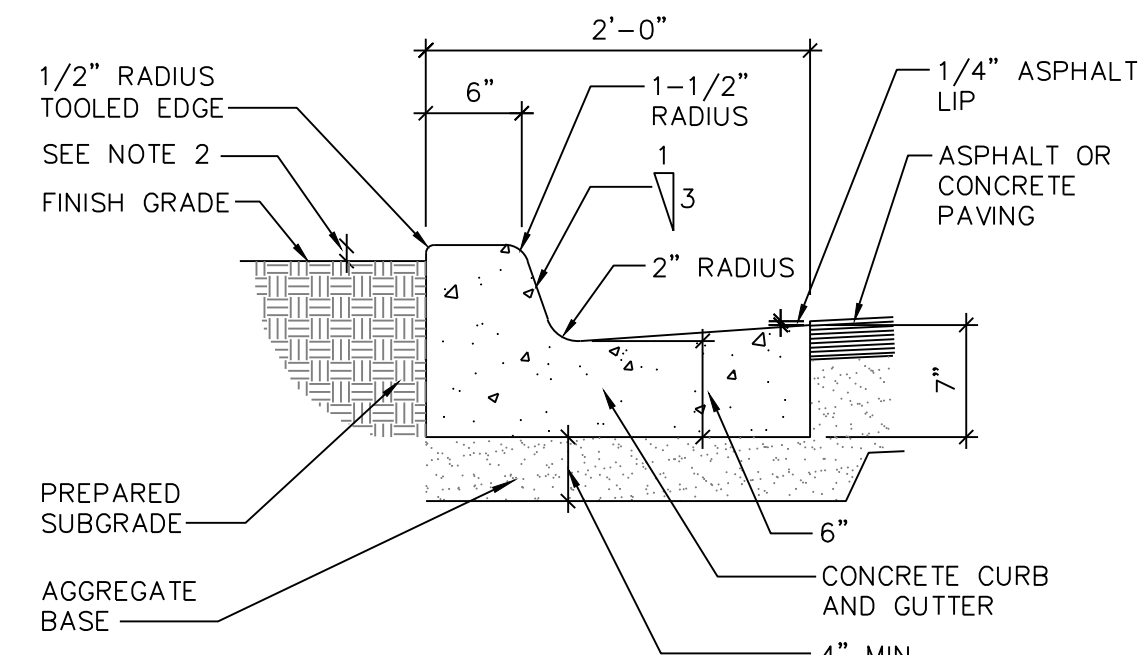
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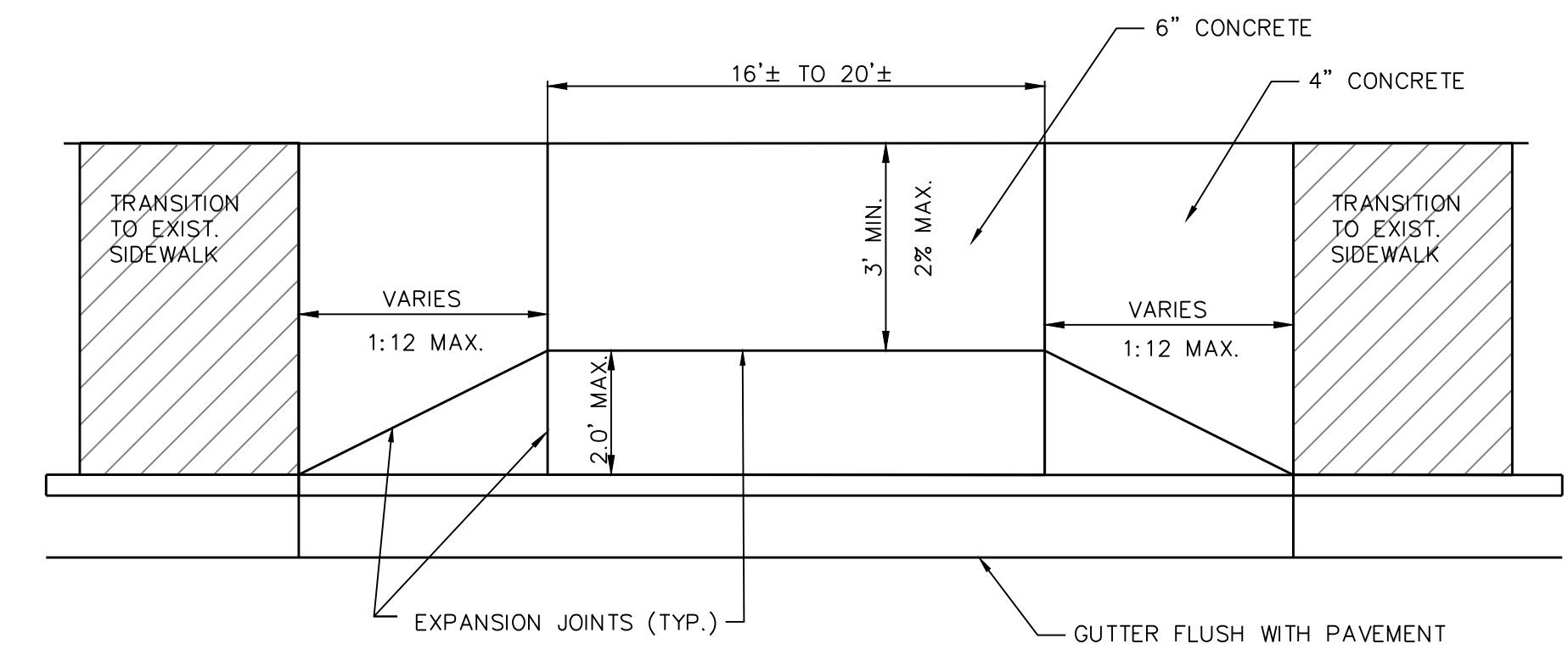


- NOTES:**
1. PROVIDE EXPANSION JOINTS WHERE NEW SIDEWALKS ABUT STRUCTURES AND CONTRACTION JOINTS AT INTERVALS EQUAL TO SIDEWALK WIDTH.
  2. REPLACE CONCRETE SIDEWALKS AT SCORED JOINTS TO AVOID A PATCHED APPEARANCE. PROVIDE 2-INCH LEVELING COURSE BENEATH NEW SIDEWALK.
  3. NOTES FOR 6" SIDEWALK (LOCATIONS WHERE THERE IS VEHICULAR TRAFFIC)
    - BASE MATERIAL: 8" CRUSHED LIMEROCK WITH A MIN. LBR OF 100 COMPACTED TO ASTM D-1557
    - SUB-BASE: 12" STABILIZED WITH A MIN. LBR 40 COMPACTED TO 95% OF THE MODIFIED PROCTOR MAX. DRY DENSITY.
  4. PROVIDE 3000 PSI CONCRETE MINIMUM.

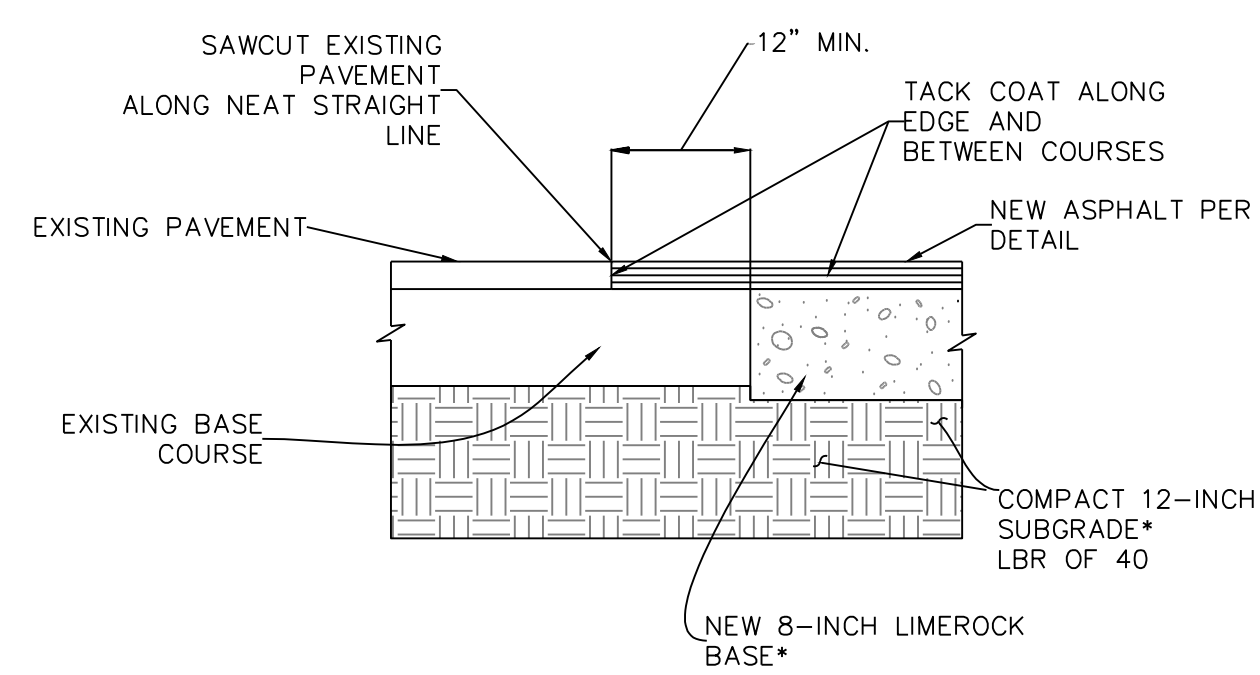
**1** TYPICAL SIDEWALK  
Not to Scale



**2** CURB AND GUTTER - IN FLOW  
1" = 1'-0"

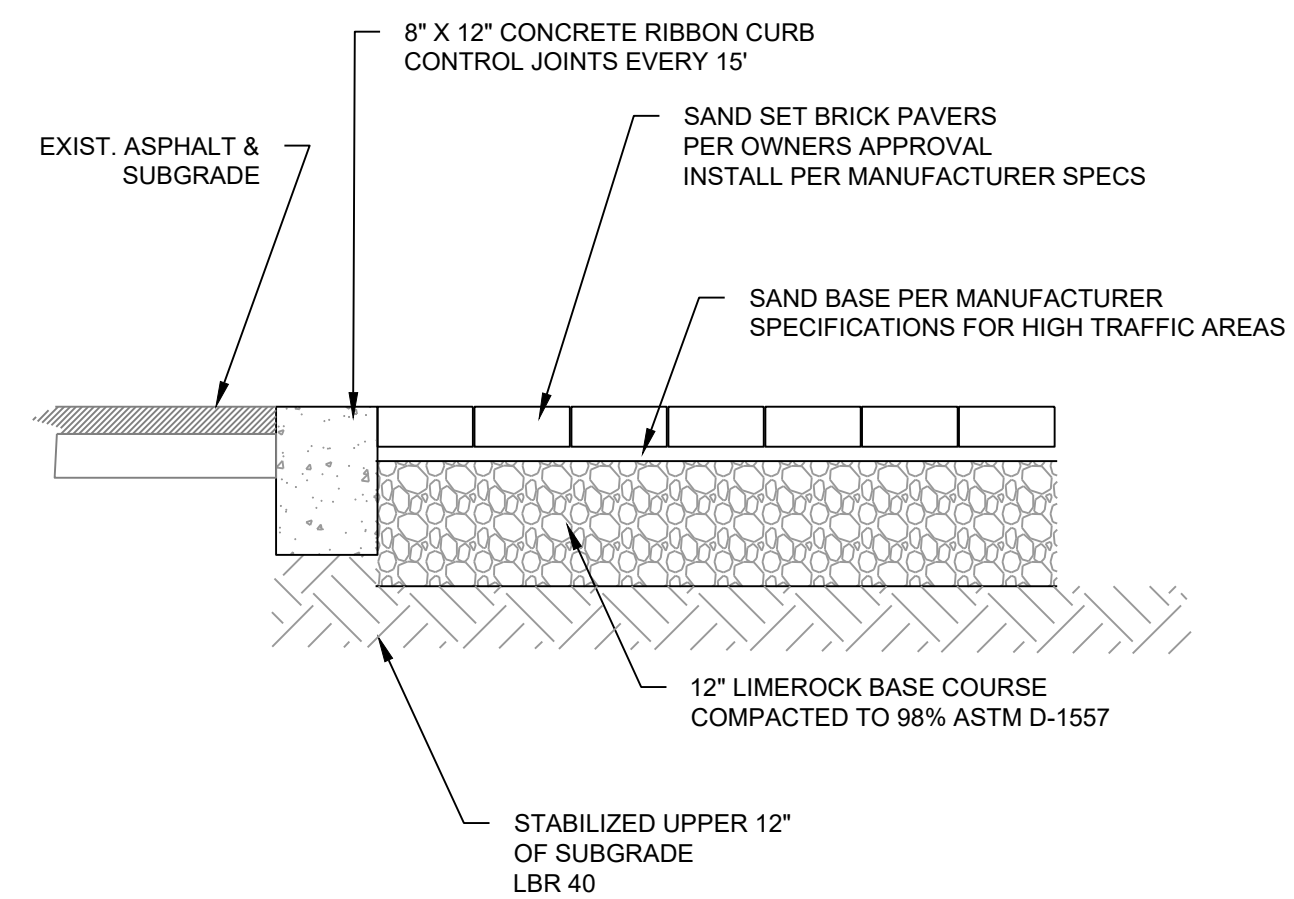


**3** TYPICAL DRIVEWAY DETAIL  
Not to Scale

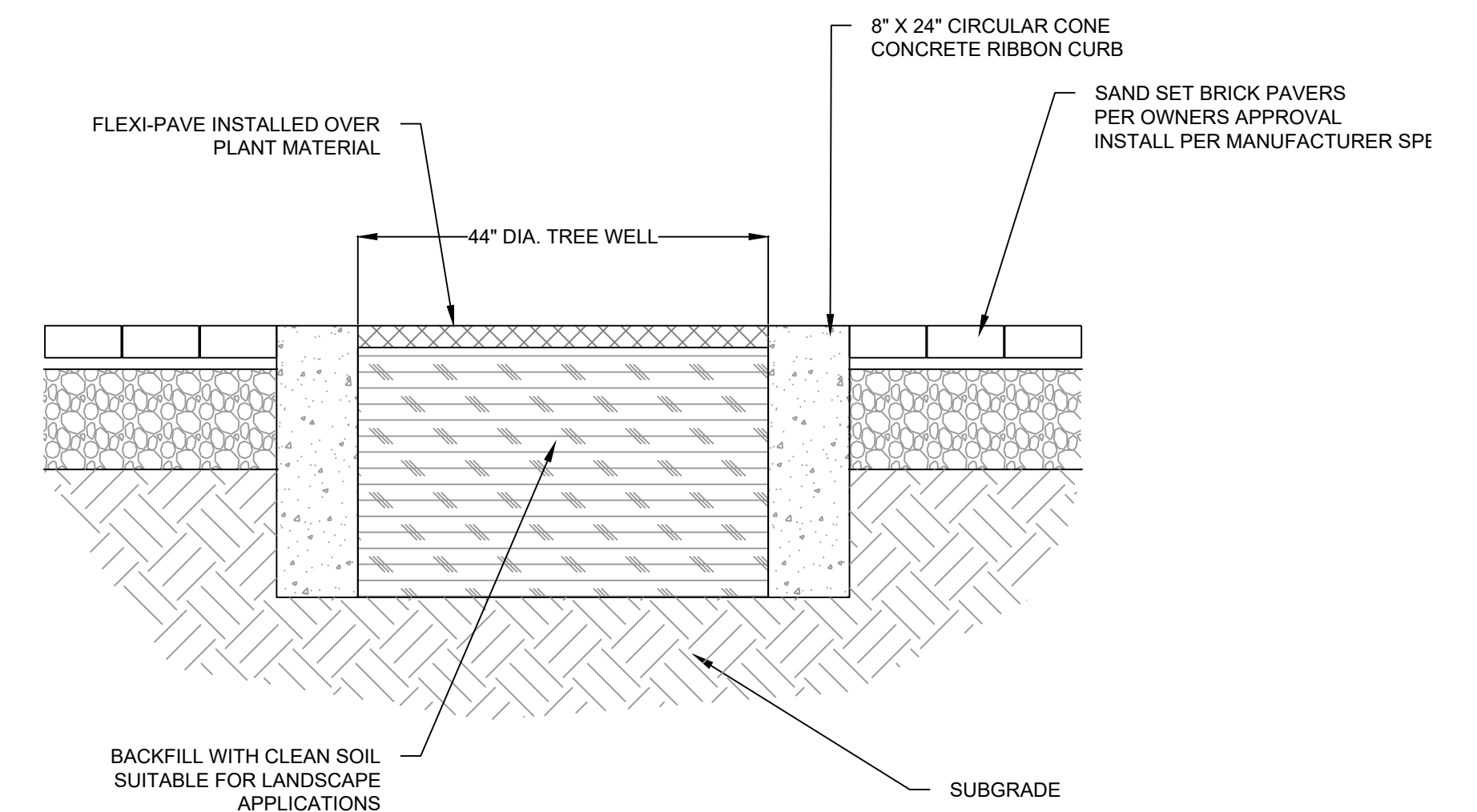


\*NOTE:  
ALL MATERIALS SHALL BE PER FDOT STANDARD SPECIFICATIONS.

**4** PAVEMENT CONNECTION  
TO EXIST. SURFACE  
NTS



**5** PAVER SECTION DETAIL  
Not to Scale



**6** TREE WELL SECTION DETAIL  
Not to Scale

REVISIONS:	DATE	DESCRIPTION
1	OCT. 2020	ORIGINAL
2		
3		
4		
5		
6		

**OLDE TOWNE**  
TRADITIONAL OLD-WORLD CHARM

**TREMRON**  
WE MAKE IT EASY

Autumn Blend Cappuccino Old Chicago Sand Dune Sierra

TREMRON.COM

1 TREMRON - SAND DUNE PAVER  
NTS

PAVERS

TREMRON.COM

**ROMANESQUE CIRCLES**

PRODUCT #	DIMENSIONS	THICKNESS	SF PER CU YD	CU YD WEIGHT
PQ2040	10" DIAMETER CIRCLE	2-3/8"	94	2448 LBS

**PLANK 4X12**

PRODUCT #	DIMENSIONS	THICKNESS	SF PER CU YD	CU YD WEIGHT
PQ2765	4"x12"	2-3/8"	102	2652 LBS

**PLANK 4X16**

PRODUCT #	DIMENSIONS	THICKNESS	SF PER CU YD	CU YD WEIGHT
PQ2070	4"x16"	2-3/8"	101	2624 LBS

**PLANK COMBO**

PRODUCT #	DIMENSIONS	THICKNESS	SF PER CU YD	CU YD WEIGHT
PQ2875	4"x12", 4"x16"	4"	98	2500 LBS

**STONEHURST ANTIQUED**

PRODUCT #	DIMENSIONS	THICKNESS	SF PER CU YD	CU YD WEIGHT
PQ2040	6"x6", 9"x6", 9"x12"	2-3/8"	96	2416 LBS

**MEGA OLDE TOWNE ANTIQUED**

PRODUCT #	DIMENSIONS	THICKNESS	SF PER CU YD	CU YD WEIGHT
PQ2330	6"x6", 6"x6", 6"x6"	2-3/8"	106	2676 LBS

**OLDE TOWNE ANTIQUED**

PRODUCT #	DIMENSIONS	THICKNESS	SF PER CU YD	CU YD WEIGHT
PQ2340	6"x6", 6"x6", 6"x6"	2-3/8"	124	3228 LBS

**OLDE TOWNE 2PC ANTIQUED**

PRODUCT #	DIMENSIONS	THICKNESS	SF PER CU YD	CU YD WEIGHT
PQ2385	6"x6", 6"x6"	2-3/8"	124	3228 LBS

**OLDE TOWNE 6X9 ANTIQUED**

PRODUCT #	DIMENSIONS	THICKNESS	SF PER CU YD	CU YD WEIGHT
PQ2380	6"x9"	2-3/8"	124	3228 LBS

**4X8 BRICK ANTIQUED**

PRODUCT #	DIMENSIONS	THICKNESS	SF PER CU YD	CU YD WEIGHT
PQ2040	4"x8"	2-3/8"	120	3020 LBS

2 TREMRON - OLDE TOWNE ANTIQUED PAVER  
NTS

**DF5510**  
Nest Bench (Includes: DF5511 - DF5512 - DF5513)

WAUSAU TILE

Product Data

Size	142" X 125 11/16" X 30 5/8"
Weight	12,200 lbs Total
Material	Reinforced Concrete
Parts	(3) Pieces Per Bench Left - DF5511 (3,100 lbs) Center - DF5512 (6,000 lbs) Right - DF5513 (3,120 lbs)
Anchoring	Each Section Has (4) 1/2" Threaded Inserts For Surface Mounting
Features	Lifting Strap Slots Cast in Each Piece

FRONT VIEW

TOP VIEW

Site Furnishings Limited Warranty:  
For a period of two (2) years for concrete products, one (1) year for plastic products and five (5) years for metal products when the customer has received their product. Wausau Tile, Inc. warrants its concrete products against defects in workmanship and materials per industry standards. This warranty does not cover the above products for cracking and faulting caused by settling due to an improper base, nor does it cover damage caused by impact, vandalism or natural disaster.

CALL FOR FURTHER DETAILS & PRICING.  
P: 800.388.8728 | E: wtile@wausautile.com | WAUSAUTILE.COM

3 NEST BENCH - DF5510  
NTS

**RAIN BIRD** Tech Spec

**Quick-Coupling Valves**  
Convenient water access in potable and non-potable systems

**Features**

- Industrial-strength brass quick-coupling valves for convenient water access in potable and non-potable systems.
- Rugged, red brass construction for long life and reliable performance.
- Reliable leak-proof operation with strong corrosion-resistant stainless steel spring.
- Optional locking cover on models 33-DNR, 44-RC, 5-RC, 33-DNP, 44-NP and 5-NP (use \* 2049 key to unlock). Metal cover on model 7 only.
- One-piece body design (models 3-RC, 5-RC and 7).
- Two-piece body design for easy servicing (models 33-DLR, 33-DRC, 44-LRC, 44-RC, 33-DNP, 44-NP and 44-NP ACME).
- Thermoplastic rubber cover for durability.
- 33-DNP, 44-NP, 44-NP ACME, and 5-NP covers marked with "Do Not Drink" warnings in English and Spanish.
- Three-year trade warranty.

**Specifications**

- Pressure: 5 to 125 psi (0.35 to 8.63 bar)
- Flow: 10 to 125 gpm (2.27 to 28.38 m<sup>3</sup>/hr; 3.78 to 47.3 l/m)
- 33-DNP, 44-NP and 5-NP flow: 10 to 70 gpm (2.27 to 15.89 m<sup>3</sup>/hr; 3.78 to 26.5 l/m)

**Models**

- 3-RC: 3/4" (20/27) Rubber Cover, 1-Piece Body
- 33-DRC: 3/4" (20/27) Double Track Key Lug Rubber Covers, 2-Piece Body
- 33-DLR: 3/4" (20/27) Double Track Key Lug Locking Rubber Cover, 2-Piece Body
- 44-RC: 1" (26/34) Rubber Cover, 2-Piece Body
- 44-LRC: 1" (26/34) Locking Rubber Cover, 2-Piece Body
- 5-RC: 1" (26/34) Rubber Cover, 1-Piece Body
- 5-LRC: 1" (26/34) Locking Rubber Cover, 1-Piece Body
- 7: 1 1/2" (40/49) Metal Cover, 1-Piece Body
- 5-RC-BSP: 1" (26/34) Rubber Cover, 1-Piece Body, BSP threaded

**Dimensions (height)**

- 3-RC: 4 1/4" (10.8 cm)
- 33-DRC: 4 1/4" (11.1 cm)
- 33-DLR: 4 1/4" (11.1 cm)
- 44-RC: 6" (15.2 cm)
- 44-LRC: 6" (15.2 cm)
- 5-RC: 5 1/2" (14.0 cm)

**Quick-Coupling Valve Keys**

TOP PIPE THREAD	KEY	MALE	FEMALE
3-RC	3388	1/4" 19 mm	1/2" 13 mm
33-DRC	330K	1/4" 19 mm	1/2" 13 mm
44-RC	448	1" 25 mm	1 1/8" 19 mm
44-LRC	448A	1" 25 mm	1 1/8" 19 mm
5-RC	5581	1" 25 mm	1 1/8" 19 mm
5-LRC	5581	1" 25 mm	1 1/8" 19 mm
7	7K	1 1/2" 38 mm	---

**Quick-Coupling Valves Pressure Loss (gpm)**

Flow	3-RC	33-DRC	44-RC	5-RC	7
10	1.8	2.2	4.4	5.4	7
15	4.7	4.3	2.2	---	---
20	7.2	7.6	4.4	---	---
30	---	---	11.5	4.1	---
40	---	---	---	7.3	---
50	---	---	---	11	1.7
60	---	---	---	15.7	2.5
70	---	---	---	21.5	3.6
80	---	---	---	---	4.9
100	---	---	---	---	6.8
125	---	---	---	---	14

**Quick-Coupling Valves Pressure Loss (bar)**

Flow	3-RC	33-DRC	44-RC	5-RC	7
10	0.13	0.16	0.33	0.41	0.5
15	0.33	0.31	0.16	---	---
20	0.52	0.56	0.33	---	---
30	---	---	0.81	0.41	---
40	---	---	---	0.62	---
50	---	---	---	0.81	0.13
60	---	---	---	1.15	0.18
70	---	---	---	1.50	0.25
80	---	---	---	---	0.34
100	---	---	---	---	0.57
125	---	---	---	---	0.97

**Quick-Coupling Valve Keys**

3-RC: 3388 1/4" 19 mm 1/2" 13 mm  
33-DRC: 330K 1/4" 19 mm 1/2" 13 mm  
44-RC: 448 1" 25 mm 1 1/8" 19 mm  
44-LRC: 448A 1" 25 mm 1 1/8" 19 mm  
5-RC: 5581 1" 25 mm 1 1/8" 19 mm  
5-LRC: 5581 1" 25 mm 1 1/8" 19 mm  
7: 7K 1 1/2" 38 mm

**How To Specify**

33 - DLR  
Model Cover Thread  
33 RC Blank NPT  
44 DRC BSP-RC, 5-RC only  
5 LRC ACME-44 NP only  
7 NP

**Specifications**

**33-DNP, 44-NP, 44-NP ACME** - Two Piece Quick Coupling Valve (Non-Potable)  
The quick coupling valve shall be a two piece type capable of having a discharge rate of \_\_\_ units with a pressure loss not to exceed \_\_\_ units.  
The valve shall be constructed of red brass and shall have a purple, thermoplastic, locking rubber cover with molded-in warnings of "DO NOT DRINK" in English and Spanish, for use on systems using non-potable water.  
The valve shall be opened and closed by a brass key of the same manufacturer having a \_\_\_ (MNPT) and \_\_\_ (FNPT) outlet. The valve throat shall have a key-way with detent positions for regulating water flow.

**33-DRC, 33-DLR, 44-RC, 44-LRC** - Two Piece Quick Coupling Valve  
The quick coupling valve shall be a two piece type capable of having a discharge rate of \_\_\_ units with a pressure loss not to exceed \_\_\_ units.  
The valve body shall be constructed of red brass. The cover shall be a durable, protective self-closing rubber cover. When so specified, the cover shall be a locking rubber cover (LRC).  
The valve shall be opened and closed by a brass key of the same manufacturer having a \_\_\_ (MNPT) and \_\_\_ (FNPT) outlet. The valve throat shall have a key-way with detent positions for regulating water flow.

**Quick Coupling Valve Pressure Loss (gpm)**

**Quick Coupling Valve Pressure Loss (bar)**

**Key Cover - Model 2049**

- Locks and unlocks the optional locking cover (LRC) on quick coupling valves.
- Operates the valve marker compression lock.

**RAIN BIRD CORPORATION**  
6991 E. Southpoint Road  
Tucson, AZ 85756  
Phone: (520) 741 6100  
Fax: (520) 741 6022

**RAIN BIRD TECHNICAL SERVICES**  
9000 RAINBIRD (1-800-724-6047)  
(U.S. and Canada)

**RAIN BIRD CORPORATION**  
6991 E. Southpoint Road  
Tucson, AZ 85756  
Phone: (520) 741 6100  
Fax: (520) 741 6022

**RAIN BIRD INTERNATIONAL, INC.**  
1000 West Santa Madra Avenue  
Azusa, CA 91702  
Phone: (626) 812 3400  
Fax: (626) 812 3411

**Specification Profiles**  
800-638-3602 (U.S. and Canada)

The Intelligent Use of Water™  
www.rainbird.com

4 RAIN BIRD QUICK COUPLER SPEC SHEET  
NTS

CIVIL ENGINEERING • REGULATORY PERMITTING • CONSTRUCTION MANAGEMENT

PEREZ ENGINEERING & DEVELOPMENT, INC  
CERTIFICATE OF AUTHORIZATION No. 8579

ALLEN E. PEREZ P.E.  
Florida P.E. NO. 51468  
November 28, 2023

Key West Office: Suite 202  
1010 East Key West Blvd.  
Key West, Florida 33940  
Tel: (305) 293-9440

ORIGINAL: OCT. 2020

REVISIONS:

1	
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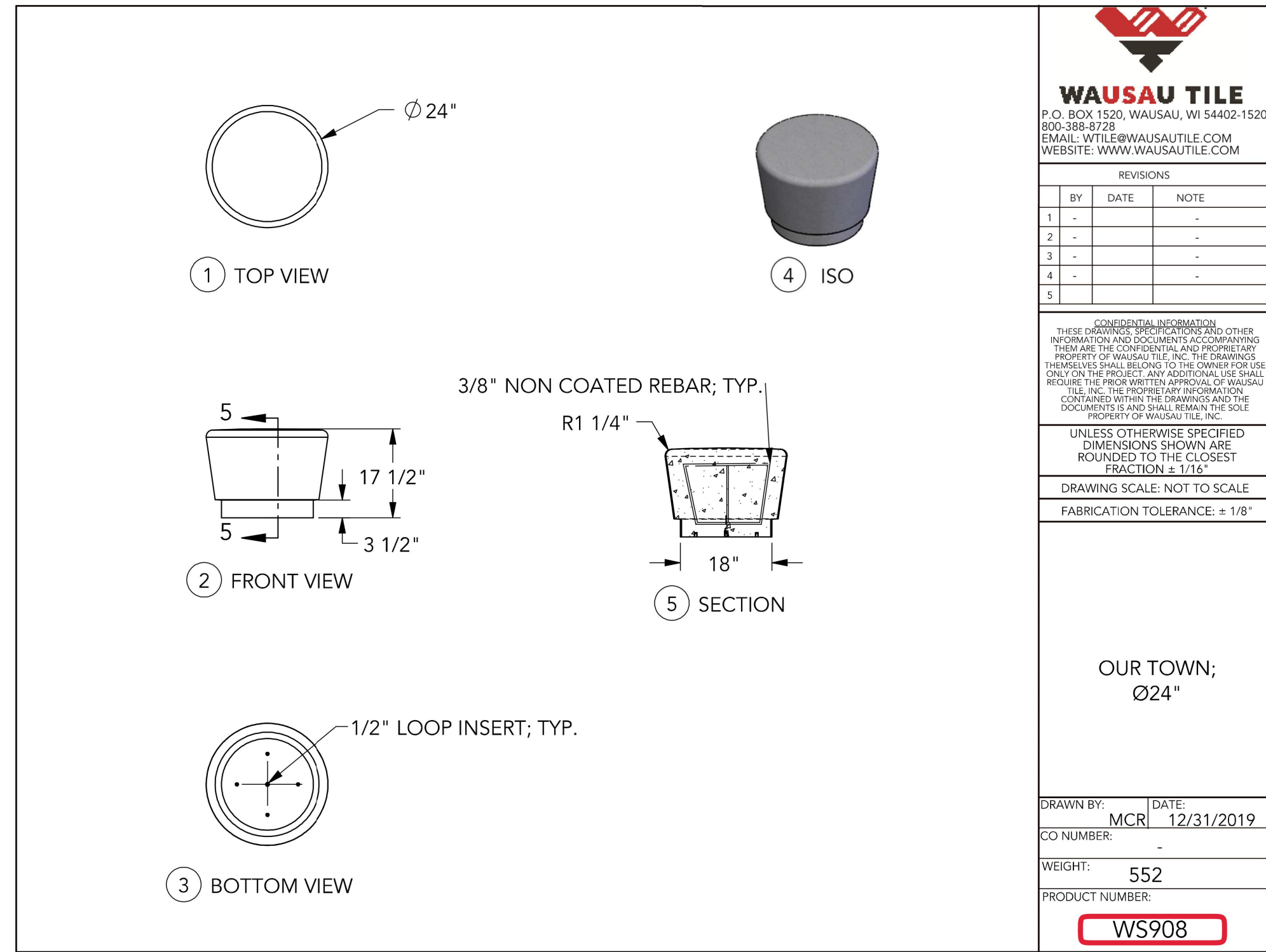
CITY OF KEY WEST  
1300 WHITE STREET  
KEY WEST, FL. 33040

CITY OF KEY WEST  
CLINTON SQUARE PARK  
FRONT/WHITEHEAD STREET

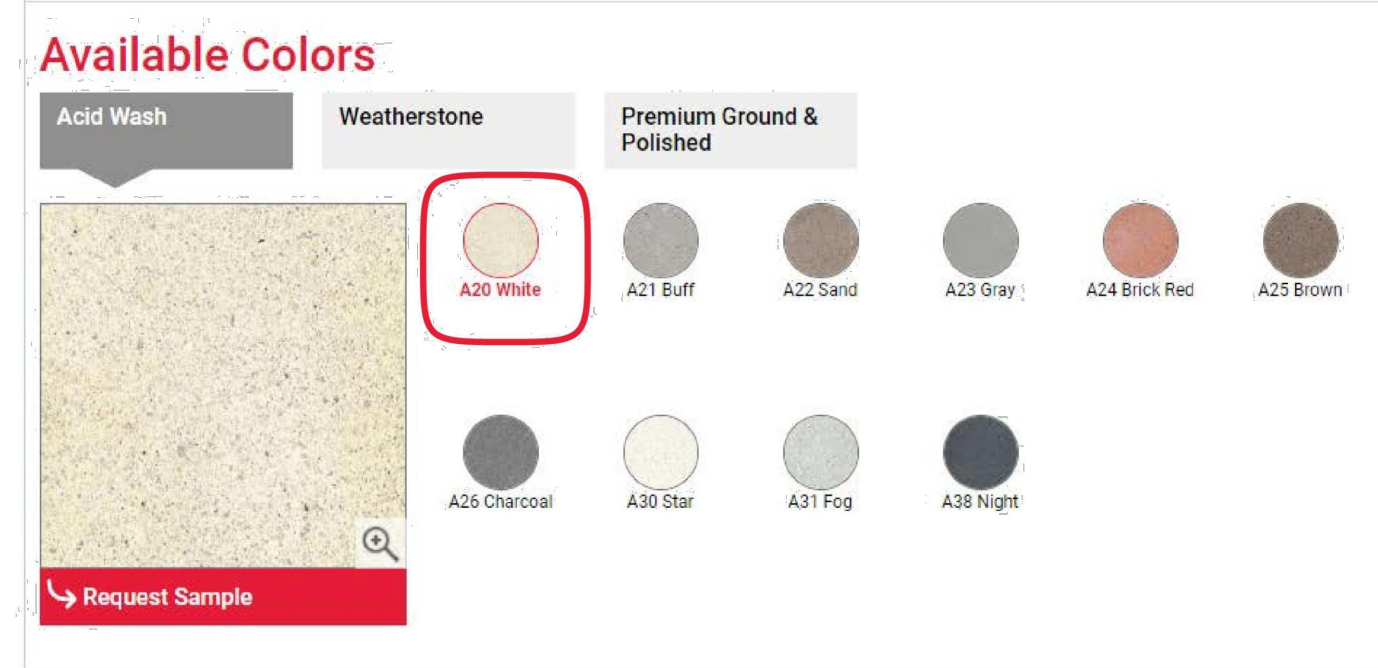
CIVIL DETAILS

JOB NO. 201036  
DRAWN AEP  
DESIGNED AEP  
CHECKED AEP

SHEET C-401



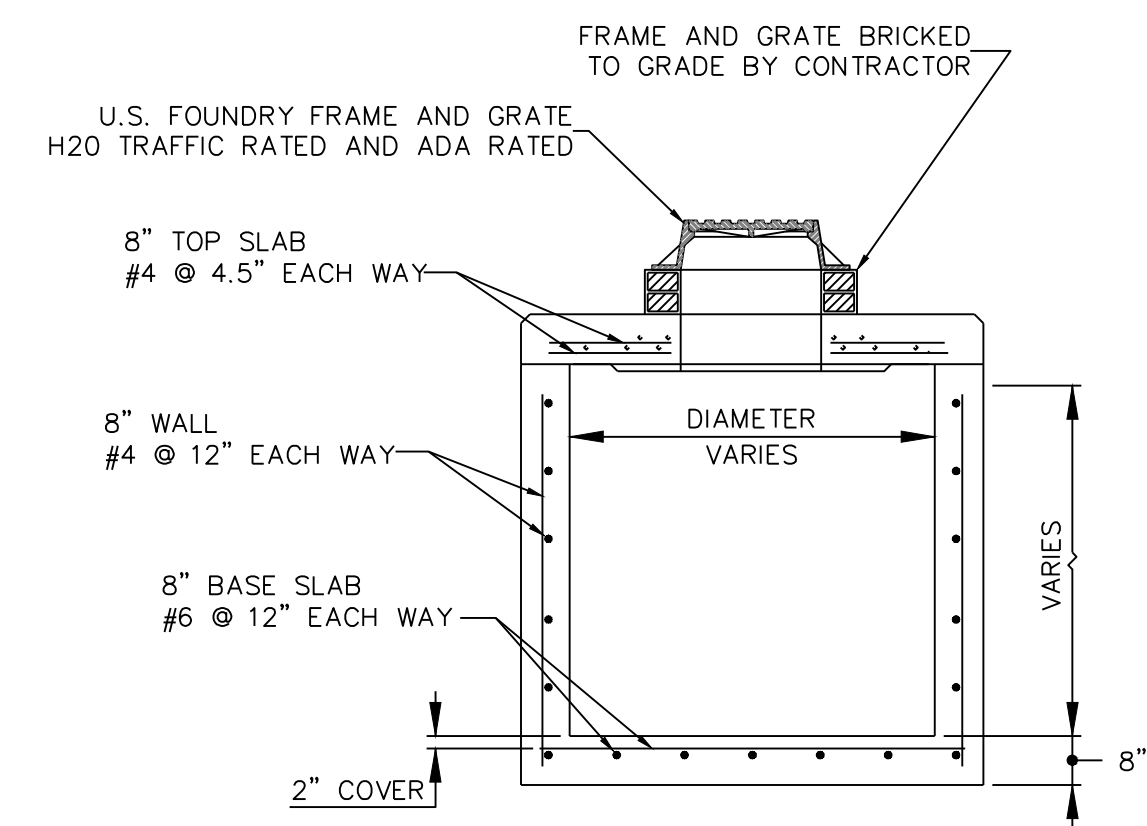
**1** OUR TOWNE BOLLARD SEAT  
NTS



**3** WAUSAU TILE COLOR - A20 WHITE  
NTS



**2** CITY GRANITE CURB  
NTS



NOTES:

1. CONCRETE SHALL BE 4000 PSI AT 28 DAYS, TYPE II CEMENT
2. ALL REINFORCEMENT MAY BE WELDED WIRE AS PER ASTM C-478.
3. REINFORCEMENT MAY BE ADJUSTED PER MANUFACTURER AND SHALL MEET FDOT INDEX 425-010.
4. STRUCTURES TO BE SET ON 6" COARSE AGGREGATE BEDDING

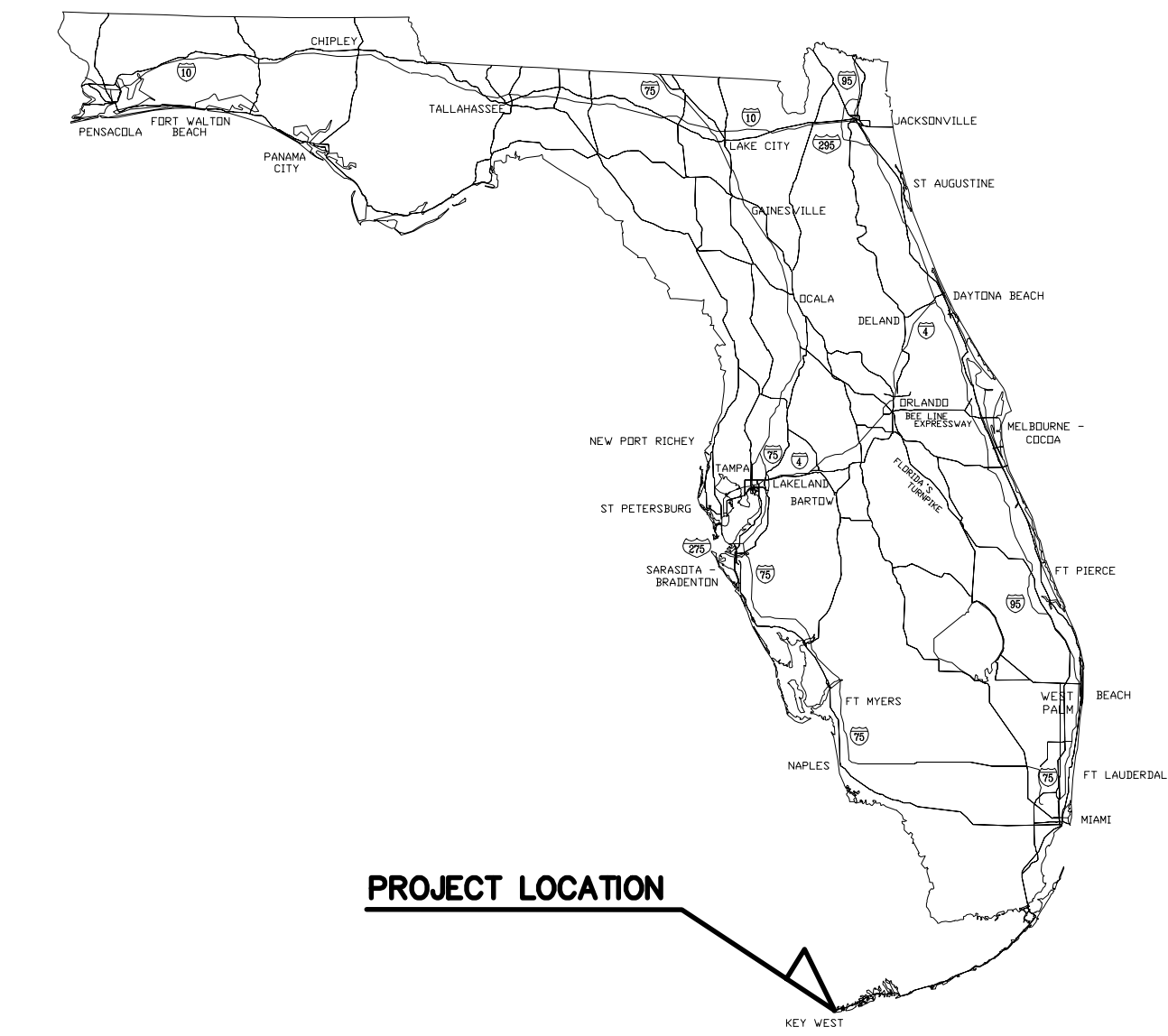
TYPE C DITCH BOTTOM INLET

**4** ROUND BOTTOM (ALT. A)  
Not to Scale



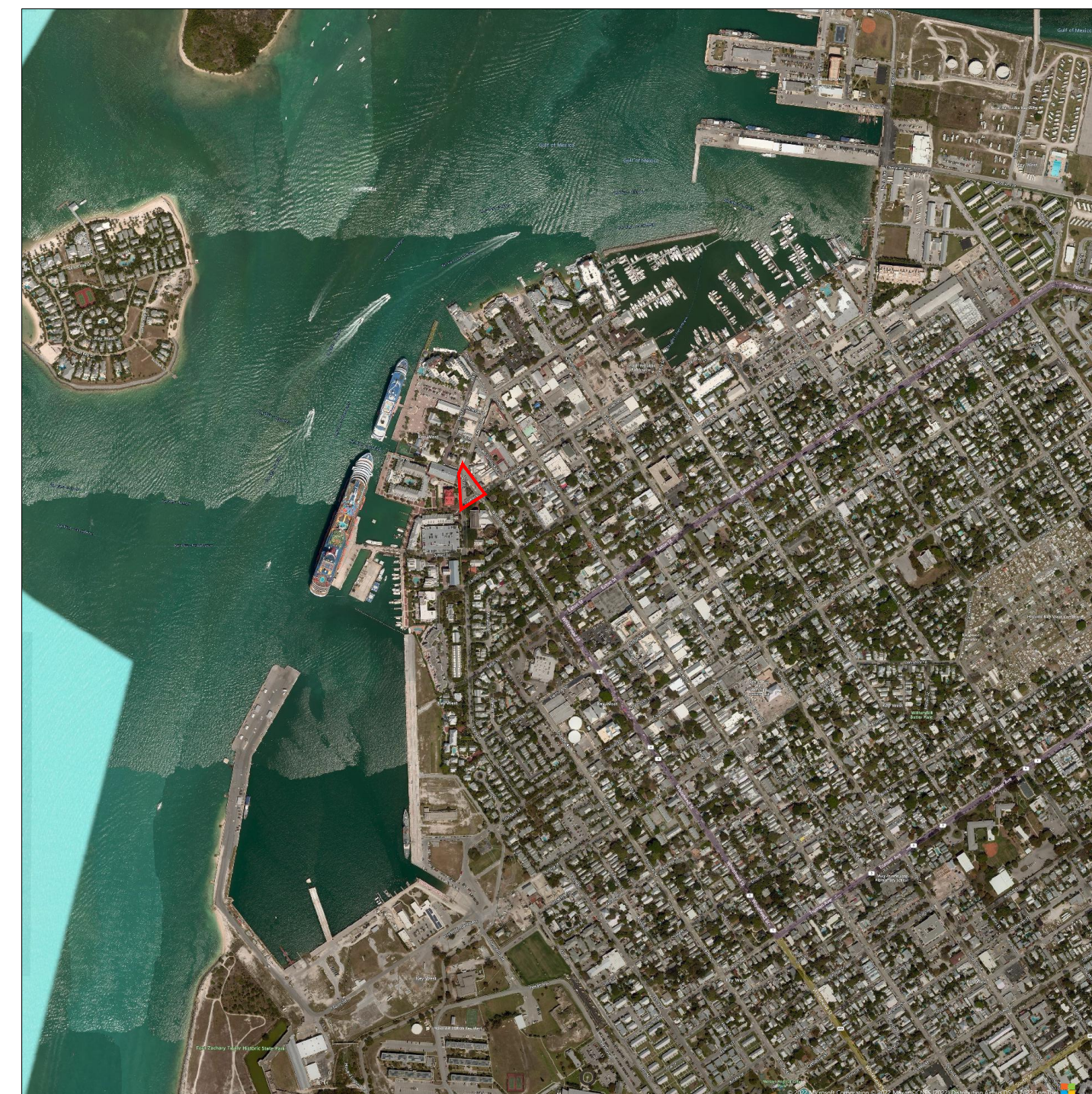


# GENERAL SCOPE OF SITE WORK FOR 60 SUBMITTAL FOR PRELIMINARY REVIEW OF CITY OF KEYWEST CLINTON SQUARE POCKET PARK KEY WEST, FLORIDA 33040



**SHEET INDEX:**

G001	COVER SHEET
E001	ELECTRICAL LEGEND, ABBREVIATIONS AND SPECIFICATIONS
E100	ELECTRICAL DEMOLITION PLAN
E200	ELECTRICAL NEW WORK PLAN
E300	ELECTRICAL RISER DIAGRAM, PANEL SCHEDULES, AND DETAILS
S001	STRUCTURAL NOTES
S100	SITE PLAN
S500	SECTIONS AND DETAILS



**LEGEND**  
— PROJECT BOUNDARY

VICINITY MAP

SUNSHINE STATE ONE CALL OF FLORIDA  
CALL BEFORE YOU DIG  
1-800-432-4770

1. CALL 1-800-432-4770 TWO FULL BUSINESS DAYS (BUT NOT MORE THAN FIVE) BEFORE DIGGING TO FIND OUT WHERE BURIED FACILITIES (ELECTRIC, GAS, TELECOMMUNICATIONS, CABLE WATER, SEWER) ARE LOCATED.
2. WAIT THE REQUIRED TIME FOR THE UTILITIES ON SITE TO BE LOCATED AND MARKED WITH COLOR-CODED PAINT, FLAGS OR STAKES AND CONFIRM THAT THE SITE HAS BEEN LOCATED.
3. RESPECT AND PROTECT THE MARKS DURING THE PROJECT, IF MARKS ARE DESTROYED, REQUEST A NEW LOCATE TICKET.
4. DIG SAFELY, USING EXTREME CAUTION WHEN DIGGING WITHIN 24 INCHES ON EITHER SIDE OF THE MARKS TO AVOID HITTING THE BURIED UTILITY LINES.



USA ENVIRONMENT &  
INFRASTRUCTURE INC.  
16250 NW 59TH AVE  
SUITE 206  
MIAMI LAKES, FL 33014

PRELIMINARY NOT FOR  
CONSTRUCTION

NOT VALID WITHOUT  
SIGNATURE AND DATE

PROJECT:  
Clinton Square Pocket Park

City of Key West  
KEY WEST, FL 33040

WSP  
PROJECT No:  
600846

REVISIONS			
NO.	DATE	BY	APPROVED

DESIGNED BY:	S. LUNAGARIA
DRAWN BY:	J. MILIAN
CHECKED BY:	T. DAY
APPROVED BY:	
DATE:	

SHEET TITLE:  
  
COVER SHEET

SHEET NUMBER:	REV. #
G001	
SHEET 1 OF 1	SHEETS

**STRUCTURAL NOTES**

- 1.1 ALL CONSTRUCTION SHALL CONFORM TO FLORIDA BUILDING CODE 7TH EDITION (THE CODE) AND THE CITY OF KEY WEST CODE OF ORDINANCES. REFERENCE TO OTHER STANDARD SPECIFICATIONS OR CODES SHALL MEAN THE LATEST STANDARD OR CODE REFERENCED IN THE CODE.
- 1.2 VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS BEFORE STARTING WORK. NOTIFY THE STRUCTURAL ENGINEER IN WRITING OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS.
- 1.3 THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC.
- 1.4 COORDINATE STRUCTURAL CONTRACT DOCUMENTS WITH GEOTECHNICAL, MECHANICAL, ELECTRICAL, AND CIVIL. NOTIFY STRUCTURAL ENGINEER OF ANY CONFLICT AND/OR OMISSION.
- 1.5 VERIFY LOCATION OF ALL EXISTING UTILITIES TO INCLUDE BUT NOT LIMITED TO PLUMBING, GAS, AND ELECTRICAL. COORDINATE LOCATION OF UNDERGROUND STRUCTURES WITHIN ACCEPTABLE DISTANCE/CLEARANCE FROM THE UTILITY. VERTICAL AND HORIZONTAL, PER LOCAL REQUIREMENTS. NO CHANGES IN DIMENSIONS OR LAYOUT SHALL PROCEED PRIOR TO EVALUATION AND APPROVAL OF THE STRUCTURAL ENGINEER.
- 1.6 REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO LAYOUT, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
- 1.7 LIVE LOAD (SURCHARGE): 250 PSF
- 1.9 WIND LOAD ASSUMPTIONS CONFORM TO ASCE 7-16.
  - GUST FACTOR (G) ..... 0.85
  - DESIGN WIND SPEED (V<sub>ULT</sub>) ..... 182 MPH
  - NOMINAL WIND SPEED (V<sub>ASD</sub>) ..... 139 MPH
  - WIND EXPOSURE ..... D
  - IMPORTANCE FACTOR (I<sub>w</sub>) ..... 1.00
  - EXPOSURE CLASSIFICATION ..... OPEN
  - VELOCITY PRESSURE (q<sub>s</sub>) ..... 75 PSF
- 1.9 SEISMIC DESIGN CATEGORY ..... A
- IMPORTANCE FACTOR (I<sub>e</sub>) ..... 1.0
- SITE CLASS ..... D

**CONCRETE:**

- 2.1 CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH IN ACCORDANCE WITH THE FOLLOWING:
  - LOCATION STRENGTH
  - ALL CONCRETE, EITHER \_\_\_\_\_
  - 5000 PSI, TYPE II WITH CORROSION INHIBITOR.
  - 4000 PSI, TYPE II WITH TYPE II MICROFIBERS
- 2.2 THE PROPOSED MATERIALS AND MIX DESIGN SHALL BE FULLY DOCUMENTED AND REVIEWED BY AN INDEPENDENT TESTING LABORATORY. RESPONSIBILITY FOR OBTAINING THE REQUIRED DESIGN STRENGTH IS THE CONTRACTOR'S.
- 2.3 ALL MIXING, TRANSPORTING, PLACING AND CURING OF CONCRETE SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE AMERICAN CONCRETE INSTITUTE.
- 2.4 USE OF CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS IN CONCRETE IS NOT PERMITTED.
- 2.5 REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 UNLESS NOTED OTHERWISE.
- 2.6 WELDED WIRE REINFORCEMENT (W.W.R.) SHALL CONFORM TO ASTM A185 AND SHALL BE PROVIDED IN FLAT SHEETS (ROLLS NOT PERMITTED). LAP TWO SQUARES AT SPLICES.
- 2.7 UNLESS NOTED OTHERWISE, SAMPLES FOR STRENGTH TESTS OF EACH CLASS OF CONCRETE PLACED EACH DAY SHALL BE TAKEN BY THE TESTING AGENCY NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 100 CUBIC YARDS OF CONCRETE, NOR LESS THAN ONCE FOR EACH 5000 SQUARE FEET OF SURFACE AREA FOR SLABS AND WALLS. SAMPLE CONCRETE IN ACCORDANCE WITH ASTM C172. PERFORM THE FOLLOWING TESTS IN ACCORDANCE WITH THE INDICATED STANDARD:
  - SLUMP: ASTM C143
  - AIR CONTENT: ASTM C231 OR C173
  - COMPRESSIVE STRENGTH: ASTM C39, WITH ONE CYLINDER AT 7 DAYS, 2 CYLINDERS AT 28 DAYS, AND ONE SPECIMEN HELD IN RESERVE.
- 2.8 PROVIDE CONTINUOUS REINFORCEMENT WHEREVER POSSIBLE; SPLICE ONLY AS SHOWN OR APPROVED; STAGGER SPLICES WHERE POSSIBLE; USE CLASS "B" TENSION SPLICE UNLESS NOTED OTHERWISE. DOWELS SHALL MATCH THE SIZE AND SPACING OF THE SPECIFIED REINFORCEMENT AND SHALL BE LAPPED WITH CLASS "B" TENSION SPLICES. UNLESS NOTED OTHERWISE LAP LENGTHS EXPRESSED IN NUMBER OF BAR DIAMETERS SHALL BE AS FOLLOWS. APPROVED MECHANICAL COUPLERS MAY BE USED IN LIEU OF PHYSICAL SPLICING:

REINFORCING BAR LAP SPLICE SCHEDULE (GENERAL USE), U.N.O.			
BAR SIZE	CLASS	TOP BARS	OTHER BARS
		4000	4000
#6 OR SMALLER	B	64 DIA	39 DIA
STANDARD HOOK, U.N.O.			
BAR SIZE	BEND DIA.	l <sub>EXT</sub>	l <sub>OH</sub>
#4	3	6	10

**NOTE:**  
TOP BARS ARE HORIZONTAL BARS WHERE THE DEPTH OF CONCRETE CAST IN ONE LIFT BENEATH THE BAR EXCEEDS 12". PROVIDE TOP BAR LAP SPLICE LENGTH FOR ALL CONCRETE WALL HORIZONTAL BARS.

2.9 MINIMUM CONCRETE COVER (UNLESS NOTED OTHERWISE) SHALL BE:

CONCRETE COVER	
SLABS	2 INCHES
WALLS / FOUNDATIONS	3 INCHES

- 2.10 SCHEDULED OR DETAILED REINFORCING STEEL SHALL NOT BE TACK WELDED FOR ANY REASON. WELDED REINFORCING STEEL SPLICES ARE NOT PERMITTED WITHOUT COR APPROVAL. WHERE WELDING IS APPROVED IT SHALL CONFORM TO AWS D1.4 STRUCTURAL WELDING CODE - REINFORCING STEEL.
- 2.11 SYNTHETIC MICROFIBERS: SHALL CONFORM TO ASTM C 116, TYPE II, CONTAINING SYNTHETIC MICROFIBERS MEETING THE CRITERIA OF ASTM C1666 FOR GLASS FIBERS. SHALL PROVIDE A MINIMUM AVERAGE EQUIVALENT FLEXURAL STRENGTH OF 4000 PSI WHEN TESTED IN ACCORDANCE WITH ASTM C 1609, USING THE ROLLER SUPPORT SYSTEM IN ASTM C1812. DOSAGE SHALL BE AS RECOMMENDED BY THE SUPPLIER/MANUFACTURER.

**FOUNDATIONS:**

- 3.1 IN THE ABSENCE OF A GEOTECHNICAL REPORT FOR THIS SITE, DESIGN OF SLABS AND UNDERGROUND STRUCTURES ARE BASED ON AN ALLOWABLE BEARING PRESSURE OF 1,500 PSF AND A SUBGRADE MODULES OF 120 PCI IN ACCORDANCE WITH SECTION 1806.2 OF THE CODE. IN-SITU SOILS, WHICH WILL SUPPORT PROPOSED STRUCTURES, SHALL BE EVALUATED BY A GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION TO VERIFY THE VALIDITY PRESUMED DESIGN PARAMETERS.
- 3.2 ALL FOUNDATIONS, EARTHWORK, EXCAVATION, BACKFILL, AND SUBGRADE DRAINAGE SHALL BE REVIEWED BY A GEOTECHNICAL ENGINEER. COORDINATE SCHEDULES TO FACILITATE OBSERVATIONS.
- 3.3 SELECT FILL TO SUPPORT STRUCTURES SHALL BE LOW TO MODERATE PLASTICITY, FREE OF DELETERIOUS MATERIALS AND ROCK FRAGMENTS LARGER THAN 3" IN DIAMETER.
- 3.4 ALL SELECT FILL SHALL BE PLACED IN 8" LIFTS FOR INSTALLATION OF FOUNDATIONS.
- 3.5 UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLY COMPACTED STRUCTURAL FILL.
- 3.6 AT LEAST ONE FIELD DENSITY TEST SHALL BE PERFORMED TO VERIFY THAT THE SUBGRADE SOILS HAVE REACHED THE SPECIFIED DEGREE OF COMPACTION.

**ANCHOR BOLTS**

- 4.1 ALL THREADS SHALL BE UNC, CLASS 2A.
- 4.2 REFER TO S-003 FOR PROPOSED ANCHOR BOLT LAYOUT AND DETAILS. IF A CONFLICT EXISTS BETWEEN THESE DRAWINGS AND THE CONTRACTOR'S VENDER SUBMITTAL, THE VENDER DESIGN SHALL GOVERN.
- 4.3 ANCHOR BOLTS SHALL CONFORM TO ASTM A193, GRADE B8M CLASS 2, TYPE 316 STAINLESS STEEL, UNLESS NOTED OTHERWISE, HEAVY HEX NUTS SHALL CONFORM TO ASTM A194 GRADE 8M AND WASHERS SHALL CONFORM TO ASTM SS316. HEAVY HEX NUTS AND WASHERS SHALL BE TYPE 316 STAINLESS STEEL.
- 4.4 BOLT ASSEMBLIES SHALL COME COMPLETE WITH HEAVY HEX HOLD-DOWN NUT AND TOP WASHER UNLESS NOTED OTHERWISE. JAMB NUTS SHALL BE USED AS LEVELING NUTS UNLESS NOTED OTHERWISE.
- 4.5 EMBEDDED BOLTS SHALL BE LOCATED AND FIXED BEFORE CONCRETE IS PLACED.



PRELIMINARY NOT FOR CONSTRUCTION

NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:  
Clinton Square Pocket Park

City of Key West  
KEY WEST, FL 33040

WSP  
PROJECT No:  
600846

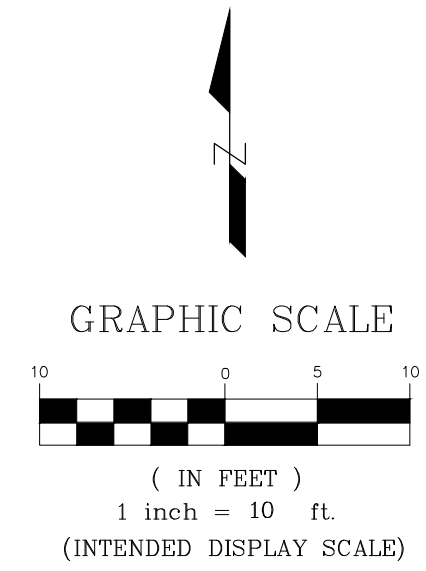
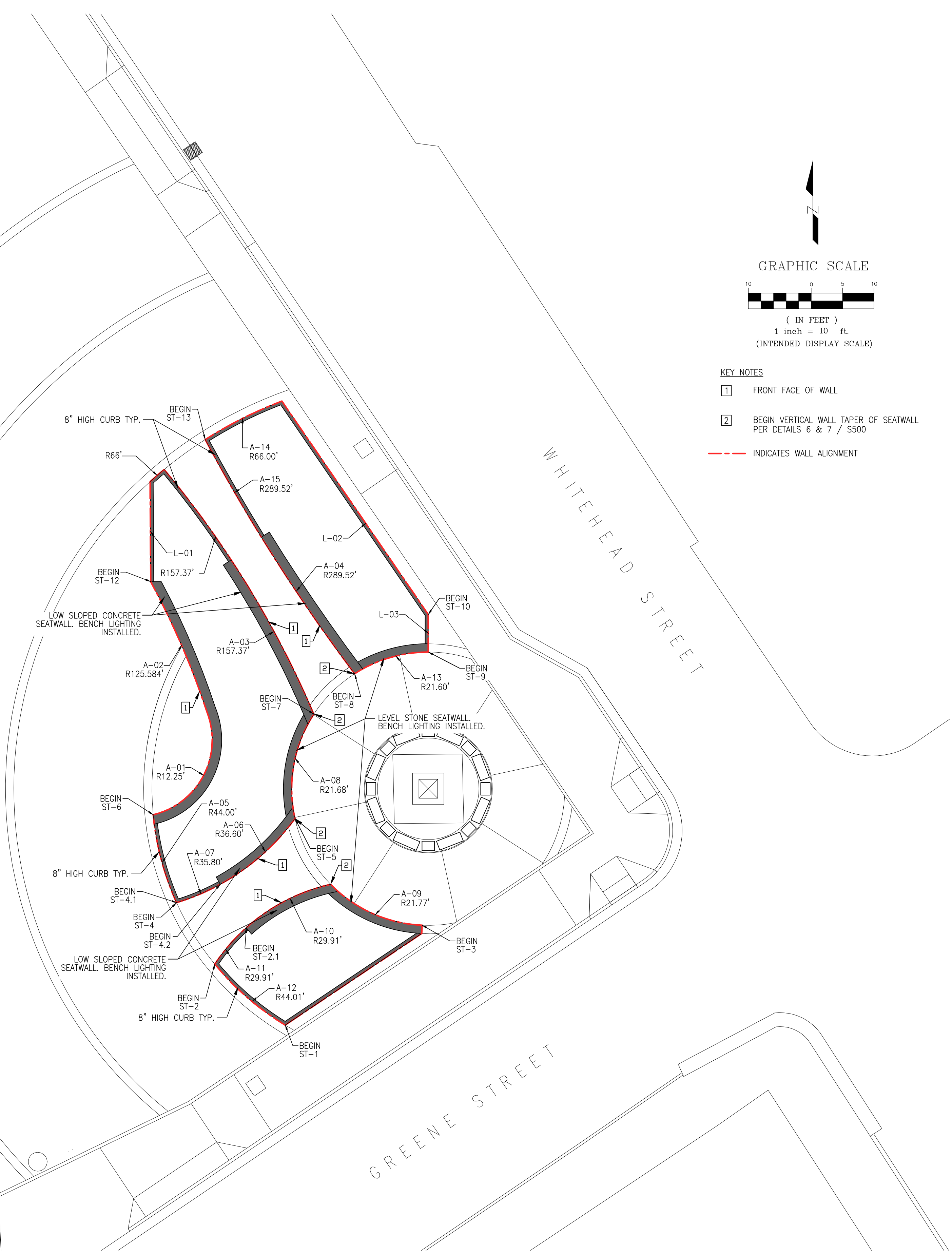
REVISIONS			
NO.	DATE	BY	APPROVED

DESIGNED BY: S. LUNAGARIA  
DRAWN BY: J. MILIAN  
CHECKED BY: T. DAY  
APPROVED BY:  
DATE:

SHEET TITLE:  
**STRUCTURAL NOTES**

SHEET NUMBER: S001  
REV. #  
SHEET 1 OF 1 SHEETS

POINT OF CONSTRUCTION CHART									
STRUCTURE NAME	STRUCTURE TYPE	SEGMENT NAME	SEGMENT TYPE	RADIUS	CORD LENGTH	START POINT		MID POINT	
						NORTHING	EASTING	NORTHING	EASTING
ST-6	WALL	A-01	ARC	12.25'	21.02'	82578.16	388062.75	82584.43	388070.78
ST-6	WALL	A-02	ARC	125.58'	22.55'	82594.61	388071.28	82605.15	388067.27
ST-7	WALL	A-03	ARC	157.39'	45.84'	82594.10	388088.29	82614.54	388077.83
ST-8	WALL	A-04	ARC	289.52'	44.29'	82600.61	388094.82	82618.81	388082.21
ST-4.1	CURB	A-05	ARC	44.00'	14.55'	82564.16	388066.46	82571.00	388064.03
ST-4.2	CURB	A-06	ARC	36.6'	15.97'	82567.09	388073.42	82571.66	388079.94
ST-4	CURB	A-07	ARC	35.8'	7.56'	82564.15	388066.47	82565.44	388070.02
ST-5	WALL	A-08	ARC	21.68'	17.28'	82577.54	388085.32	82587.14	388085.34
ST-3	WALL	A-09	ARC	21.77'	16.34'	82560.56	388105.58	82562.43	388097.67
ST-2.1	WALL	A-10	ARC	29.91'	15.27'	82560.17	388077.57	82564.49	388083.84
ST-2	CURB	A-11	ARC	29.91'	7.69'	82554.37	388072.55	82557.43	388074.87
ST-1	WALL	A-12	ARC	44.01'	14.91'	82544.65	388083.77	82549.03	388077.75
ST-8	WALL	A-13	ARC	21.6'	12.4'	82600.61	388094.82	82603.45	388101.40
ST-13	CURB	A-14	ARC	66'	13.69'	82637.91	388071.02	82641.29	388076.97
ST-8	CURB	A-15	ARC	289.52'	44.29'	82600.61	388094.82	82618.81	388082.21
ST-12	CURB	L-01	LINE		15.94'	82615.28	388062.34		
ST-10	CURB	L-02	LINE		41.21'	82610.05	388106.55		
ST-9	CURB	L-03	LINE		5.98'	82604.07	388106.55		



- KEY NOTES**
- 1 FRONT FACE OF WALL
  - 2 BEGIN VERTICAL WALL TAPER OF SEATWALL PER DETAILS 6 & 7 / S500
- INDICATES WALL ALIGNMENT

USA ENVIRONMENT & INFRASTRUCTURE INC.  
16250 NW 59TH AVE  
SUITE 206  
MIAMI LAKES, FL 33014

**PRELIMINARY NOT FOR CONSTRUCTION**

NOT VALID WITHOUT SIGNATURE AND DATE

**PROJECT:**  
Clinton Square Pocket Park

City of Key West  
KEY WEST, FL 33040

WSP  
PROJECT No:  
600846

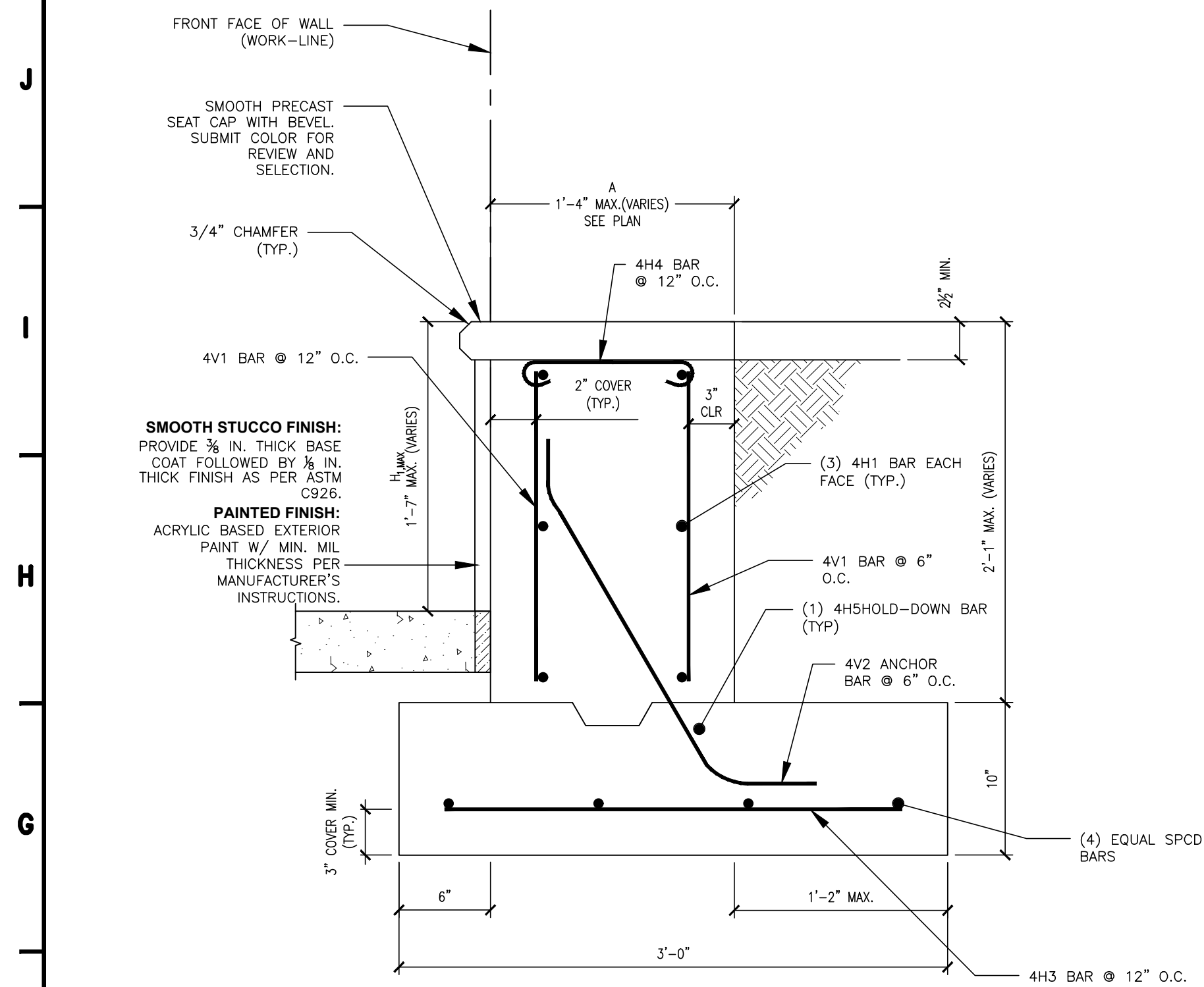
REVISIONS			
NO.	DATE	BY	APPROVED

DESIGNED BY:	S. LUNAGARIA
DRAWN BY:	J. MILIAN
CHECKED BY:	T. DAY
APPROVED BY:	
DATE:	

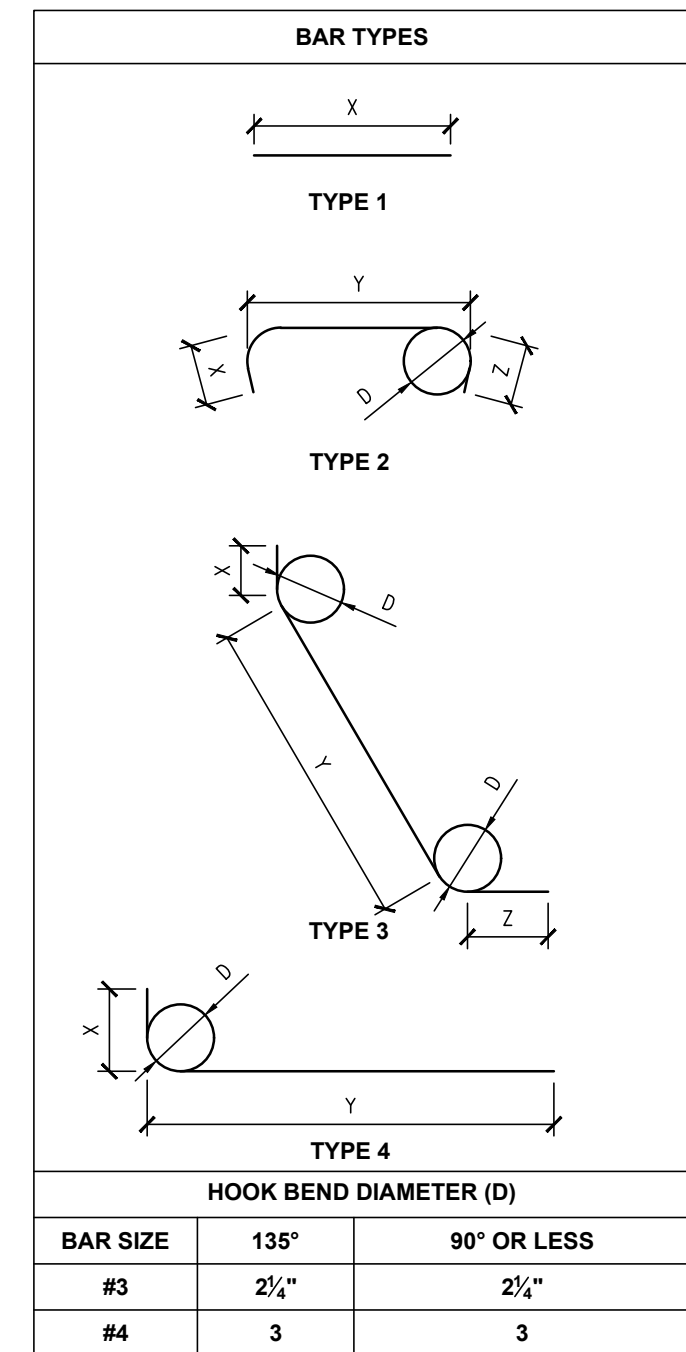
SHEET TITLE:

**SITE PLAN**

SHEET NUMBER:	REV. #
S100	
SHEET 1 OF 1 SHEETS	



**1 TYP. SEATWALL REINF. (BARE SURFACE)**  
SCALE: 1 1/2" = 1'-0"

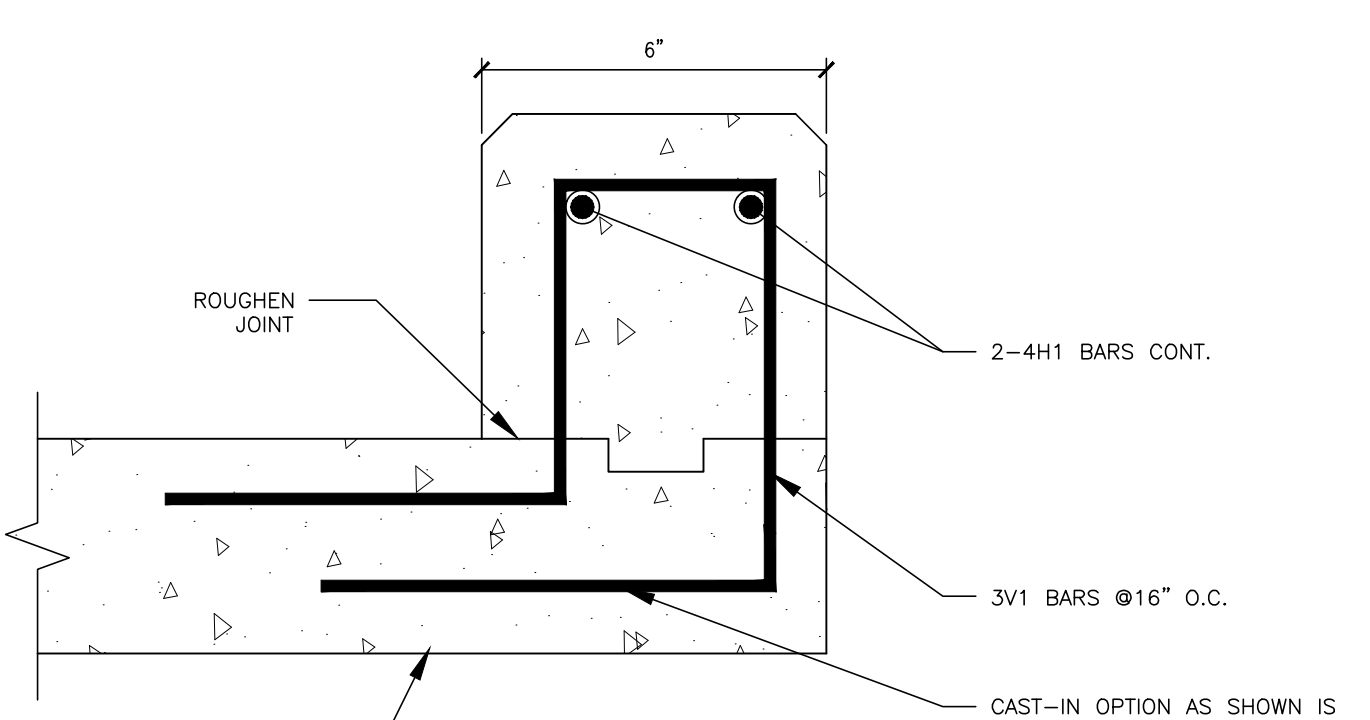


BAR LIST										
MARK	DES	LENGTH		TYPE	X		Y		Z	
		FT	IN		FT	IN	FT	IN	FT	IN
4	H1	*		1						
4	H2	*		1			*			
4	H3	2	6	1		2	6			
4	H4	1	7	2	0	4	0	11	0	4
4	H5	*		2	0	5	*		0	5
4	H6	*		1			*			
4	V1	1	8	1	0	0	1	8	0	0
4	V2	2	8	3	0	4	1	10	0	6
3	V1	1	2	4	0	4	0	10	0	0

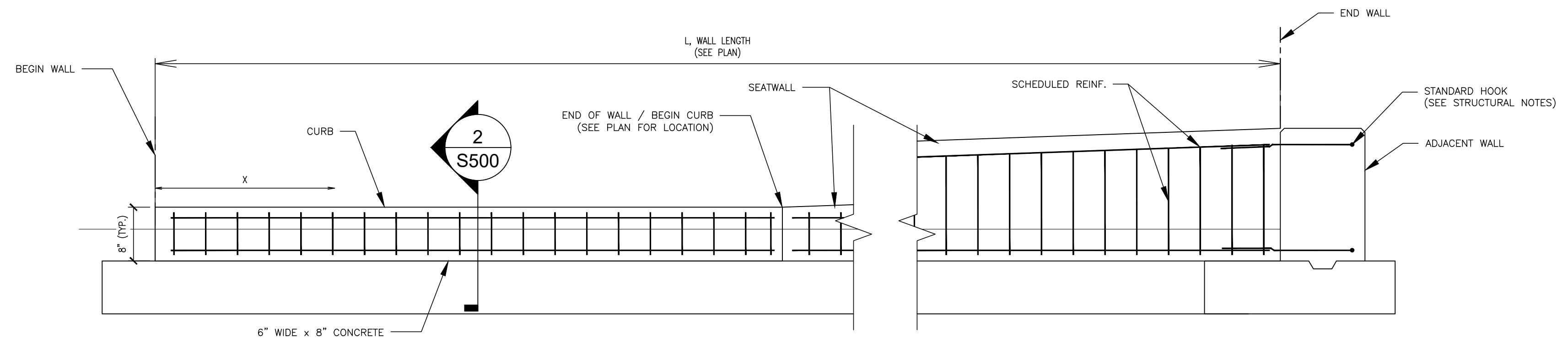
\* BAR LENGTHS TO BE FIELD VERIFIED BY CONTRACTOR DURING LAYOUT OF WALL

BAR	CLASS 'B' LAP	TENSION DEVELOPMENT OF HOOKS			
		$l_d$	BEND DIA	$l_{ext}$	$l_{sh}$
SIZE	[in.]	[in.]	[in.]	[in.]	[in.]
#3	15	2.25	3	8	
#4	19	3	3	10	

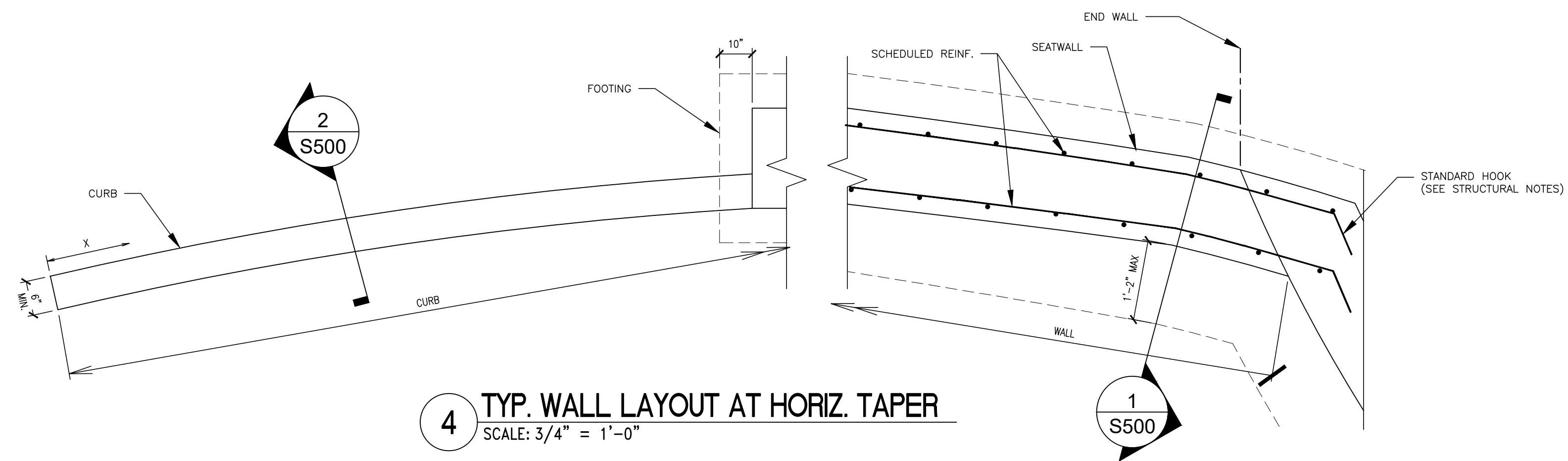
HOOK BEND DIAMETER (D)		
BAR SIZE	135°	90° OR LESS
#3	2 1/4"	2 1/4"
#4	3	3



**2 TYPICAL CURB DETAIL**  
SCALE: N.T.S.



**3 TYP. WALL LAYOUT AT VERT. TAPER**  
SCALE: 3/4" = 1'-0"



**4 TYP. WALL LAYOUT AT HORIZ. TAPER**  
SCALE: 3/4" = 1'-0"

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PROJECT:  
Clinton Square Pocket Park

City of Key West  
KEY WEST, FL 33040

WSP  
PROJECT No:  
600846

REVISIONS			
NO.	DATE	BY	APPROVED

DESIGNED BY:	S. LUNAGARIA
DRAWN BY:	J. MILIAN
CHECKED BY:	T. DAY
APPROVED BY:	
DATE:	

SHEET TITLE:  
**SECTIONS AND DETAILS**

SHEET NUMBER:	REV. #
S500	
SHEET 1 OF 1 SHEETS	



USA ENVIRONMENT & INFRASTRUCTURE INC.  
16250 NW 59TH AVE  
SUITE 206  
MIAMI LAKES, FL 33014

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PROJECT:  
Clinton Square Pocket Park

City of Key West  
KEY WEST, FL 33040

WSP  
PROJECT No:  
600846

REVISIONS			
NO.	DATE	BY	APPROVED

DESIGNED BY: K. HENDERSON  
DRAWN BY: M. DOYON  
CHECKED BY: M. GRIFFITH  
APPROVED BY: M. GRIFFITH  
DATE: 09/08/2023

SHEET TITLE:  
**ELECTRICAL LEGEND,  
ABBREVIATIONS  
AND SPECIFICATIONS**

SHEET NUMBER: **E001** REV. #  
SHEET OF SHEETS

### ELECTRICAL SYMBOLS LEGEND

**POWER**

20<sub>H</sub> DUPLEX RECEPTACLE, MOUNTED 18" AFF TO CENTERLINE UNLESS OTHERWISE NOTED. WP=WEATHERPROOF. NUMBER INDICATES BRANCH CIRCUIT. SEE PANEL BOARD SCHEDULE. H=HDMI/USB RECEPTACLE.

DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER HEIGHT OR @ HEIGHT INDICATED. +44" AFF TO CENTER.

GFI RECEPTACLE, MOUNTED 18" AFF TO CENTERLINE UNLESS OTHERWISE NOTED. WP = WEATHERPROOF BOX. NO FEED THRU TYPE DEVICES TO BE USED.

GFI RECEPTACLE MOUNTED ABOVE COUNTER HEIGHT OR @ HEIGHT INDICATED. NO FEED THRU DEVICES TO BE USED. +44" AFF TO CENTER.

JUNCTION BOX WITH IDENTIFIED BLANK COVER. C = CEILING MOUNTED W = WIFI AMPLIFIER

SINGLE POLE SWITCH (SUBSCRIPT LETTER INDICATES ITEM CONTROLLED)

THREE WAY SWITCH (SUBSCRIPT LETTER INDICATES ITEM CONTROLLED)

0-10V LED DIMMABLE SWITCH

WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR

**LIGHTING** (SEE LIGHTING FIXTURE SCHEDULE)

IN-GROUND LED UPLIGHT

LED PEDESTRIAN STREET LIGHT

**DATA/COMM/TELEVISION**

DATA/COMM OUTLET WITH FLUSH MOUNTED 4-11/16" SQUARE SINGLE GANG JUNCTION BOX. PROVIDE BLANK BUILDING STANDARD COVER PLATE. EXTEND 1" CONCEALED CONDUIT TO ABOVE ACCESSIBLE CEILING AND STUB-OUT WITH PLASTIC BUSHING. OR AS NOTED. INSTALL PULL WIRE.

TELEPHONE TERMINAL BOARD, 3/4" THICK x (LENGTH PER PLAN) x 8'-0" H. PLYWOOD BACKBOARD

TELEVISION COAXIAL OUTLET AND HDMI WITH FLUSH MOUNTED 4-11/16" SQUARE SINGLE GANG JUNCTION BOX. PROVIDE BLANK BUILDING STANDARD COVER PLATE. EXTEND 1" CONCEALED CONDUIT TO ABOVE ACCESSIBLE CEILING AND STUB-OUT WITH PLASTIC BUSHING. OR AS NOTED. INSTALL PULL WIRE.

**SERVICE AND DISTRIBUTION**

BRANCH CIRCUIT PANELBOARD, UNDER 250 VOLTS, SURFACE MOUNTED

**GENERAL NOTE:**

THESE ELECTRICAL DESIGN HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE.

**VOLTAGE DROP**

THIS PROJECT IS IN COMPLIANCE WITH 2017 FBC-ENERGY CONSERVATION C405.6.3 AND NEC 210.19 WITH REGARDS TO VOLTAGE DROP (5%).

### ABBREVIATIONS

A - AMPERES	I.G. - ISOLATED GROUND
A/C - AIR CONDITIONING	J - JUNCTION
AC - ALTERNATING CURRENT	KAIC - (THOUSAND) AMPERE INTERRUPTING CAPACITY
AFF - ABOVE FINISHED FLOOR	KCMIL - THOUSANDS OF CIRCULAR MILLS
AFG - ABOVE FINISHED GRADE	KVA - KILOVOLT-AMPERES
AHU - AIR HANDLING UNIT	KW - KILOWATT
AWG - AMERICAN WIRE GAUGE	LED - LIGHT EMITTING DIODE
C - CONDUIT	LTG - LIGHTING
CFL - COMPACT FLUORESCENT LAMP	MCP - MOTOR CIRCUIT PROTECTION
CH - COUNTER HEIGHT	MCU - MASTER CONTROL UNIT
CM - CARBON MONOXIDE	MH - MEAN HEIGHT
COND - CONDUIT	N - NEUTRAL
CONC - CONCRETE	NA - NOT APPLICABLE
COND - CONDUIT	NEC - NATIONAL ELECTRICAL CODE
CU - COPPER	NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
DISC - DISCONNECT	NFPA - NATIONAL FIRE PROTECTION ASSOCIATION
ECB - ENCLOSED CIRCUIT BREAKER	NF - NON-FUSED
ELEC - ELECTRICAL	NIC - NOT IN CONTRACT
EM - EMERGENCY	NL - NIGHT LIGHT
EMS - ENERGY MANAGEMENT SYSTEM	O.C. - ON CENTER
EMT - ELECTRICAL METALLIC TUBING	P - POLE
EF - EXHAUST FAN	PNL - PANELBOARD
EWC - ELECTRIC WATER COOLER	PVC - POLYVINYL CHLORIDE
EX - EXISTING	RGS - RIGID GALVANIZED STEEL
FA - FIRE ALARM	RM - ROOM
FACP - FIRE ALARM CONTROL PANEL	SPEC - SPECIFICATION
FBC - FLORIDA BUILDING CODE	SS - STAINLESS STEEL
GEC - GROUNDING ELECTRODE CONDUCTOR	TVSS - TRANSIENT VOLTAGE SURGE SUPPRESSION
GFI - GROUND FAULT INTERRUPTER	TYP - TYPICAL
GND - GROUND	UON - UNLESS OTHERWISE NOTED
GRC - GALVANIZED RIGID CONDUIT	V - VOLTS
HVAC - HEATING, VENTILATING AND AIR CONDITIONING	W - WIRE
IWH - INSTANTANEOUS WATER HEATER	WP - WEATHERPROOF
H.I.D. - HIGH INTENSITY DISCHARGE	

### LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER & CATALOG NO.	DESCRIPTION	COLOR TEMPERATURE	LAMPS	VOLTS	OR APPROVED EQUALS BY
A	RAB LIGHTING: HBLE18-Y-B	IN-GROUND LED UPLIGHT ON JUNCTION BOX	5000K	18W LED	120	AS APPROVED BY OWNER
B	CURRENT LIGHTING (BEACON): LUMINAIRE: LAJ30-PF-36L-80-3K7-UNV-DIR3-PT-BLT POLE: RSA-B-MAD1F-12-50-B-T3-BLT	PEDESTRIAN STREET LIGHT	3000K	60W LED	120	AS APPROVED BY OWNER

**LIGHTING NOTES:**

- PROVIDE ALL DEVICES, MOUNTING EQUIPMENT, CHAIN, STRAIN RELIEFS, CLIPS, ESCUTCHEONS, PLATES AND STRUCTURAL SUPPORTS FOR THE INSTALLATION AND CONNECTION OF ALL LIGHTING FIXTURES.
- REFER TO ELECTRICAL NEW WORK PLAN ON E200 FOR LOCATION OF LIGHTING FIXTURES.

**NOTE: PROVIDE ALL REQUIRED MOUNTING HARDWARE AND WIRING TO CONNECT LIGHTING FIXTURES AT HOLLOW CORE SLAB LOCATIONS INCLUDING BOXES, HANGER BARS, STRUCTURAL APPROVED FASTENERS AND UL APPROVED CONNECTORS.**

### ELECTRICAL SPECIFICATIONS

**GENERAL**

- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE FLORIDA BUILDING CODE (FBC), NFPA 101, ALL LOCAL CODES, ORDINANCES, REGULATIONS AND UTILITY POWER AND TELEPHONE COMPANY STANDARDS.
- ALL WIRE SHALL BE COPPER TYPE "THIN/THWN" FOR ALL SIZES. MINIMUM WIRE SIZE SHALL BE #12 AWG.
- ALL BRANCH AND FEEDER CIRCUITS SHALL CONTAIN A SEPARATE GROUNDING CONDUCTOR AND SEPARATE NEUTRAL CONDUCTOR AND SHALL BE SIZED AND BONDED IN ACCORDANCE WITH ARTICLE 250 OF THE N.E.C.
- ALL CONDUIT INSTALLED IN EXTERIOR LOCATIONS, ABOVE GRADE, SHALL BE GALVANIZED RIGID CONDUIT. ALL CONDUIT BELOW GRADE SHALL BE SCHEDULE 40 P.V.C. CONDUIT SHALL BE INSTALLED CONCEALED TO THE GREATEST POSSIBLE EXTENT.
- CONTRACTOR SHALL COORDINATE THE LOCATION OF RECEPTACLES, CONTROL CIRCUITS, COMMUNICATIONS AND DATA OUTLETS, LIGHTING FIXTURES AND DEVICES WITH THE OWNER'S REPRESENTATIVE AND ARCHITECT PRIOR TO INSTALLATION.
- DRAWINGS ARE DIAGRAMMATIC - CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS FOR ALL DIMENSIONS.
- CONTRACTOR SHALL OBTAIN AND FURNISH ALL PERMITS REQUIRED. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, APPLIANCES AND TOOLS TO PERFORM ALL WORK NECESSARY FOR THE COMPLETE EXECUTION OF THE ELECTRICAL WORK AS SHOWN ON THE DRAWINGS. PROVIDE WORK NOT SPECIFICALLY SHOWN OR SPECIFIED, YET REQUIRED TO INSURE PROPER AND COMPLETE OPERATION OF ALL SYSTEMS AND TO SATISFY THE DESIGN INTENT OF THE WORK AND COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.
- THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF CIRCUITS, OUTLETS, LOCATIONS OF SWITCHES, PANELBOARDS, CONDUITS AND OTHER WORK. PRIOR FIELD VERIFICATION OF ALL DIMENSIONS IS REQUIRED AS PART OF THIS WORK. CONDUIT RUNS AND GROUNDING ARE SHOWN DIAGRAMMATICALLY ONLY. FIELD VERIFY THE ACTUAL ROUTING OF CONDUITS PRIOR TO BIDDING.
- PROVIDE ALL 125VAC 20 AMP SPECIFICATION GRADE RATED WIRING DEVICES UNLESS OTHERWISE NOTED. PROVIDE MATCHING COVER PLATES, JUNCTION BOXES AND PLASTER RINGS AS REQUIRED TO FACILITATE THE INSTALLATION OF FLUSH MOUNTED WIRING DEVICES AS NOTED AND AS THE PROJECT CONDITIONS WARRANT.
- ANY PENETRATIONS MADE THROUGH A FIRE RATED ASSEMBLY SHALL BE PROPERLY SEALED TO MAINTAIN THE INTEGRITY OF THE ASSEMBLY PER U.L. AND NFPA.
- CONTRACTOR SHALL PROVIDE STRICT COORDINATION WITH NEW EQUIPMENT AND FIELD VERIFY THE EXACT FINAL LOCATION AND EQUIPMENT POWER CHARACTERISTICS WITH THE OWNER'S AUTHORIZED REPRESENTATIVE AND OTHER TRADES PRIOR TO CONSTRUCTION.
- EACH BIDDER SHALL INSPECT THE SITE AS REQUIRED FOR KNOWLEDGE OF EXISTING CONDITIONS PRIOR TO BIDDING AND FAILURE TO OBTAIN SUCH KNOWLEDGE SHALL NOT RELIEVE THE SUCCESSFUL BIDDER OF THE RESPONSIBILITY TO COORDINATE EXISTING CONDITIONS IN PERFORMING THE WORK UNDER THIS CONTRACT.
- WHERE NEW WORK CANNOT BE INSTALLED WITHOUT CHANGES IN EXISTING FACILITIES OR SYSTEMS OR WHERE IT IS INDICATED ON DRAWINGS TO REWORK AN EXISTING INSTALLATION, THIS CONTRACT SHALL INCLUDE ALTERATIONS TO EXISTING WORK AS REQUIRED TO INSTALL NEW WORK. ADDITIONS TO THE CONTRACT COST WILL NOT BE ALLOWED DUE TO THE CONTRACTORS FAILURE TO INSPECT EXISTING CONDITIONS AT THE SITE OF THE WORK.
- PROVIDE HACR RATED CIRCUIT BREAKERS FOR ALL HVAC EQUIPMENT.
- THE WORK SHALL INCLUDE REVISIONS, MODIFICATIONS, AND REWORK OF THE EXISTING FACILITY ELECTRICAL SYSTEMS AS REQUIRED FOR INSTALLATION OF NEW WORK, AND FOR CONNECTIONS BETWEEN EXISTING WORK AND NEW WORK WHERE REQUIRED. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF ELECTRICAL POWER AND CONTROL CIRCUITS FOR DEVICES AND EQUIPMENT THAT ARE TO REMAIN IN SERVICE. IF THE CIRCUITS ARE BROKEN BY DEMOLITION WORK, OR BY THE REMOVAL OR CUTTING OF EXISTING BUILDING CONSTRUCTION, THE EXISTING CONDUIT AND WIRING SHALL BE REROUTED AND RECONNECTED WHERE NECESSARY.
- PROVIDE PANELBOARD MATCHING CIRCUIT BREAKERS IN ORDER TO CONNECT NEW BRANCH CIRCUITS. UPDATE ALL PANELBOARD DIRECTORIES TO REFLECT THE ACTUAL CONDITIONS. ALL UPDATES SHALL BE TYPEWRITTEN. ALL NEW ELECTRICAL DEVICES MUST BE LABELED AT THE DEVICE WITH CIRCUIT AND PANELBOARD NUMBER.

**CUTTING AND PATCHING**

- THE RESPONSIBILITY FOR ANY CUTTING OF CONSTRUCTION WHICH IS REQUIRED FOR THE INSTALLATION OF DIVISION 16 WORK, SHALL BE BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND THE OWNER BEFORE ANY CUTTING AND OBTAIN APPROVAL FROM THE ARCHITECT/ENGINEER PRIOR TO ANY CUTTING. ALL PATCHING, PAINTING AND FINISH SHALL BE BY THE CONTRACTOR.
- CUTTING SHALL BE DONE WITH EXTREME CARE AND IN SUCH A MANNER THAT THE STRENGTH OF THE STRUCTURE WILL NOT BE ENDANGERED. WHEREVER POSSIBLE, OPENINGS IN CONCRETE OR MASONRY CONSTRUCTION SHALL BE BY CONCRETE SAW OR ROTARY CORE DRILL. OPENINGS IN ANY CONSTRUCTION SHALL BE CUT THE MINIMUM SIZE REQUIRED FOR THE INSTALLATION OF THE WORK. ADEQUATE PROTECTION SHALL BE PROVIDED TO PREVENT DAMAGE TO ADJACENT AREAS AND TO PREVENT DUST FROM SPREADING TO ADJACENT AREAS.
- WHERE OPENINGS OR HOLES ARE CUT IN CONSTRUCTION AND THE CUTTING BREAKS ELECTRICAL CIRCUITRY OR CONTROL CIRCUITRY CONDUIT AND WIRING, THEN IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REROUTE THE CIRCUITRY CONDUIT AND WIRING AND TO COMPLETE THE CIRCUITRY AS REQUIRED AND AS APPROVED BY THE ARCHITECT/ENGINEER. TEMPORARY COMPLETION SHALL BE PROVIDED WHERE NECESSARY BEFORE THE PERMANENT REROUTING AND COMPLETION WORK IS FINISHED.
- BEFORE ANY CUTTING, PATCHING, OR FINISHING WORK IS STARTED, DUST AND MOISTURE PROTECTION SHALL FIRST BE INSTALLED AS REQUIRED AND AS SPECIFIED IN THESE SPECIFICATIONS.

**AS-BUILT DRAWINGS**

THE CONTRACTOR SHALL PROVIDE AND KEEP UP TO DATE A COMPLETE RECORD SET OF CONSTRUCTION "AS-BUILTS" BLUELINE PRINTS WHICH SHALL BE CORRECTED DAILY, AND SHALL SHOW EVERY CHANGE FROM THE ORIGINAL CONTRACT DRAWINGS, INCLUDING ADDENDA AND CHANGE ORDERS IN ACCORDANCE WITH GENERAL REQUIREMENTS AND SPECIAL CONDITIONS. THIS SET OF PRINTS SHALL BE KEPT ON THE JOB SITE, AND SHALL BE USED ONLY AS A RECORD SET. THIS SHALL NOT BE CONSTRUED AS AUTHORIZATION FOR THE CONTRACTORS TO MAKE CHANGES IN THE LAYOUT WITHOUT DEFINITE INSTRUCTION IN EACH CASE.

**PROTECTION**

THE CONTRACTOR SHALL KEEP THE CONSTRUCTION SITE CLEAN OF ALL WASTE MATERIALS AND RUBBISH CAUSED BY HIS WORK OR EMPLOYEES. UPON COMPLETION OF THE WORK AND AT TIMES DURING PROGRESS OF THE WORK WHEN REQUESTED BY THE ARCHITECT/ENGINEER, THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIALS, RUBBISH, AND DEBRIS RESULTING FROM THE OPERATION, AND SHALL LEAVE THE ENTIRE BUILDING AND INVOLVED PORTIONS OF THE SITE, INsofar AS THE WORK OF THE CONTRACT IS CONCERNED, IN A NEAT, CLEAN, AND ACCEPTABLE CONDITION AS APPROVED BY THE ARCHITECT/ENGINEER. EQUIPMENT, LIGHTING FIXTURES, MATERIALS AND ACCESSORIES SHALL BE THOROUGHLY CLEANED OF CEMENT, PLASTER, AND OTHER MATERIALS.

THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION, WHEREVER WORK IS TO BE PERFORMED IN FINISHED/OCCUPIED SPACES, TO PREVENT DAMAGE TO ADJACENT AREAS, EQUIPMENT, OR FURNISHINGS; TO PREVENT ACCIDENTAL INJURY TO BUILDING OCCUPANTS AND THE PUBLIC; TO PREVENT THE SPREADING OF DUST, DIRT, DEBRIS, AND MOISTURE FROM THE AREA WHERE WORK IS BEING PERFORMED; AND TO PREVENT DUST, DIRT, DEBRIS, AND MOISTURE FROM GETTING ON OR IN THE BUILDING OCCUPANTS FURNISHINGS OR EQUIPMENT.

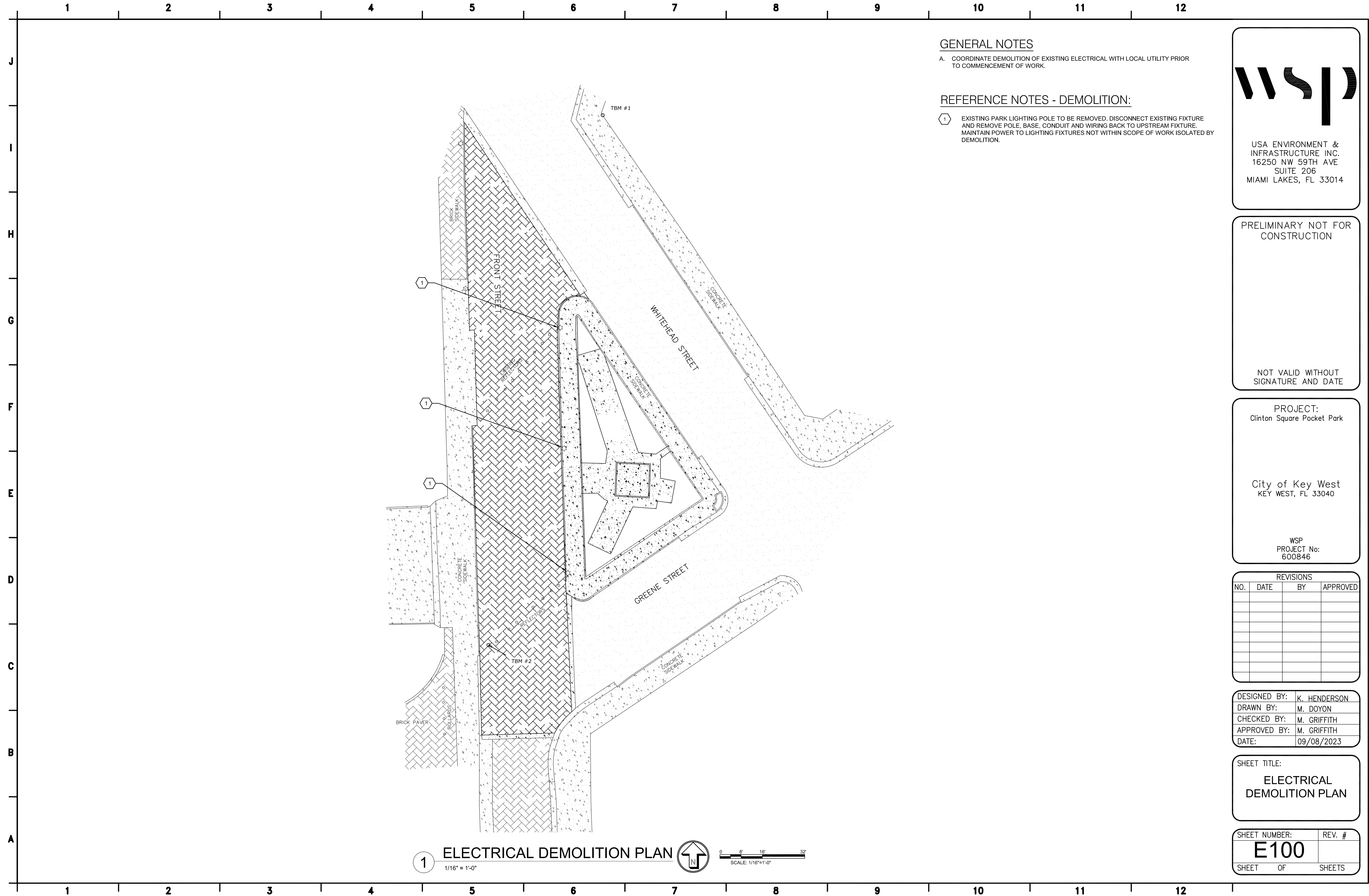
THE CONTRACTOR SHALL REPAIR, AT NO COST TO THE OWNER, ANY DAMAGE DONE BY HIMSELF OR HIS EMPLOYEES. HE SHALL ALSO BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED TO PROPERLY INSTALL HIS WORK. THIS SHALL ALSO INCLUDE THE PATCHING OF EXISTING ROADWAYS (PAVED OR IMPROVED), PARKING AREAS, SIDEWALKS, CURBS, GUTTERS, ETC., CUT TO INSTALL WORK PROVIDED BY THE CONTRACTOR. PATCH WORK SHALL COMPLY WITH THE APPLICABLE SECTIONS OF THESE SPECIFICATIONS AND SHALL MATCH THE EXISTING FINISHES.

**PAINTING**

CONTRACTOR SHALL BE RESPONSIBLE FOR REPAINTING AREAS OF CONSTRUCTION THAT ARE SCRATCHED, MARRED, OR DAMAGED BY THE NEW CONSTRUCTION. CONTRACTOR SHALL MATCH THE COLOR, TYPE AND THICKNESS OF PAINT AS PREVIOUS.

**ACCEPTANCE TESTING**

UPON COMPLETION OF WORK, THE ENTIRE WIRING SYSTEM SHALL BE TESTED, AND SHALL BE SHOWN TO BE IN PROPER WORKING CONDITION IN ACCORDANCE WITH INTENT OF SPECIFICATIONS AND DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL SYSTEMS READY FOR OPERATION AND TO HAVE AN ELECTRICIAN AVAILABLE TO OPERATE SAME IN ACCORDANCE WITH AND UNDER THE SUPERVISION OF THE INSPECTION REPRESENTATIVE OF THE ARCHITECT/ENGINEER. THE CONTRACTOR SHALL BE AVAILABLE TO ASSIST IN REMOVAL OF PANEL FRONTS, ETC., TO PERMIT INSPECTION AS REQUIRED.



**GENERAL NOTES**

A. COORDINATE DEMOLITION OF EXISTING ELECTRICAL WITH LOCAL UTILITY PRIOR TO COMMENCEMENT OF WORK.

**REFERENCE NOTES - DEMOLITION:**

① EXISTING PARK LIGHTING POLE TO BE REMOVED. DISCONNECT EXISTING FIXTURE AND REMOVE POLE, BASE, CONDUIT AND WIRING BACK TO UPSTREAM FIXTURE. MAINTAIN POWER TO LIGHTING FIXTURES NOT WITHIN SCOPE OF WORK ISOLATED BY DEMOLITION.



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City of Key West  
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WSP  
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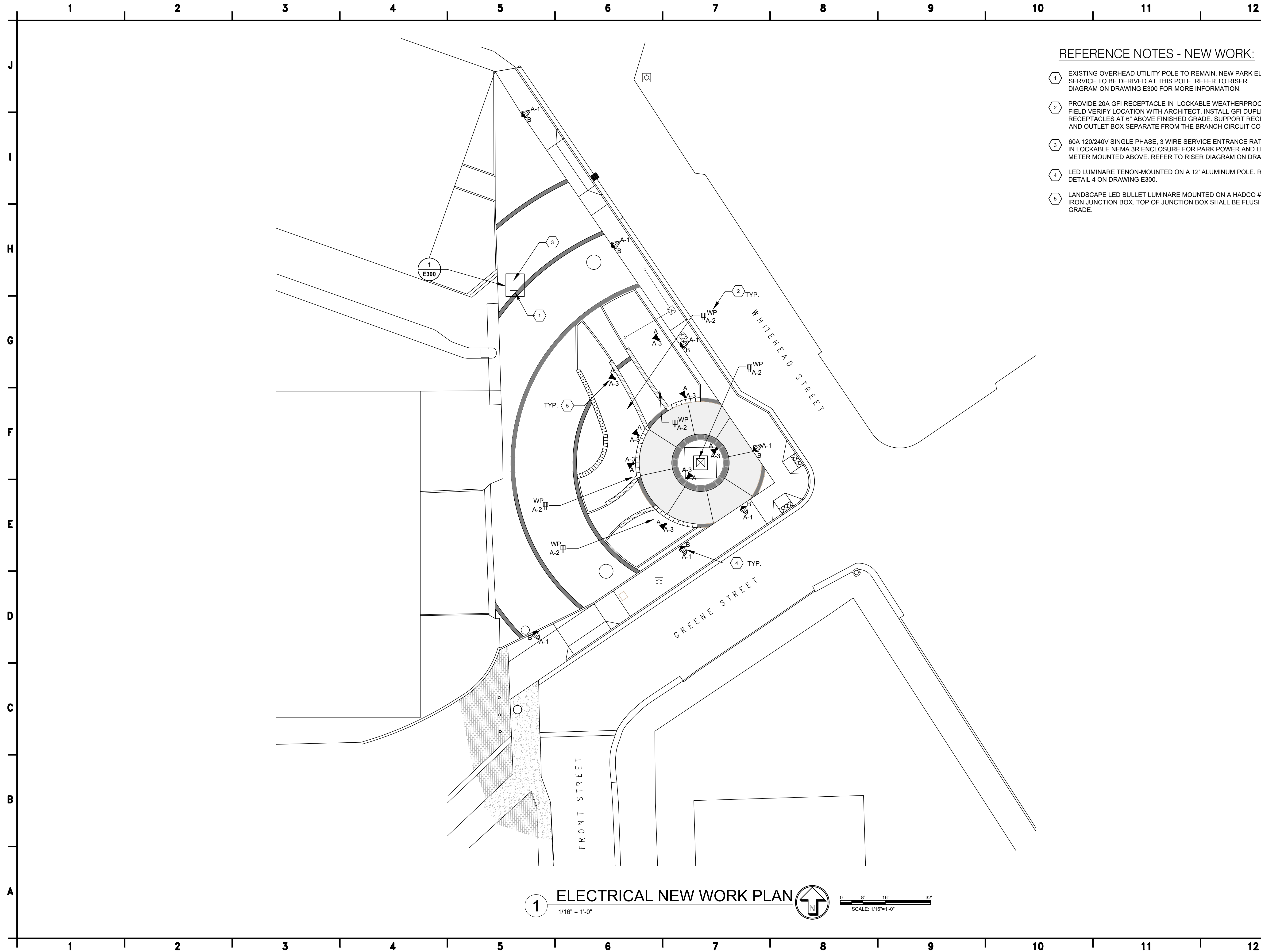
REVISIONS			
NO.	DATE	BY	APPROVED

DESIGNED BY:	K. HENDERSON
DRAWN BY:	M. DOYON
CHECKED BY:	M. GRIFFITH
APPROVED BY:	M. GRIFFITH
DATE:	09/08/2023

SHEET TITLE:  
**ELECTRICAL DEMOLITION PLAN**

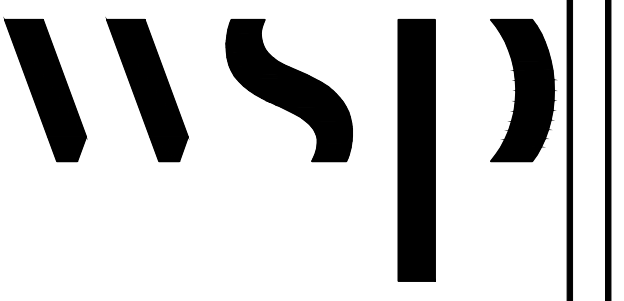
SHEET NUMBER:	REV. #
<b>E100</b>	
SHEET OF SHEETS	

① **ELECTRICAL DEMOLITION PLAN**  
1/16" = 1'-0"



**REFERENCE NOTES - NEW WORK:**

- 1 EXISTING OVERHEAD UTILITY POLE TO REMAIN. NEW PARK ELECTRICAL SERVICE TO BE DERIVED AT THIS POLE. REFER TO RISER DIAGRAM ON DRAWING E300 FOR MORE INFORMATION.
- 2 PROVIDE 20A GFI RECEPTACLE IN LOCKABLE WEATHERPROOF BOX. FIELD VERIFY LOCATION WITH ARCHITECT. INSTALL GFI DUPLEX RECEPTACLES AT 6" ABOVE FINISHED GRADE. SUPPORT RECEPTACLE AND OUTLET BOX SEPARATE FROM THE BRANCH CIRCUIT CONDUIT.
- 3 60A 120/240V SINGLE PHASE, 3 WIRE SERVICE ENTRANCE RATED PANEL IN LOCKABLE NEMA 3R ENCLOSURE FOR PARK POWER AND LIGHTING. METER MOUNTED ABOVE. REFER TO RISER DIAGRAM ON DRAWING E300.
- 4 LED LUMINAIRE TENON-MOUNTED ON A 12' ALUMINUM POLE. REFER TO DETAIL 4 ON DRAWING E300.
- 5 LANDSCAPE LED BULLET LUMINAIRE MOUNTED ON A HADCO #B11 CAST IRON JUNCTION BOX. TOP OF JUNCTION BOX SHALL BE FLUSH TO GRADE.



USA ENVIRONMENT & INFRASTRUCTURE INC.  
16250 NW 59TH AVE  
SUITE 206  
MIAMI LAKES, FL 33014

PRELIMINARY NOT FOR CONSTRUCTION

NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:  
Clinton Square Pocket Park

City of Key West  
KEY WEST, FL 33040

WSP  
PROJECT No:  
600846

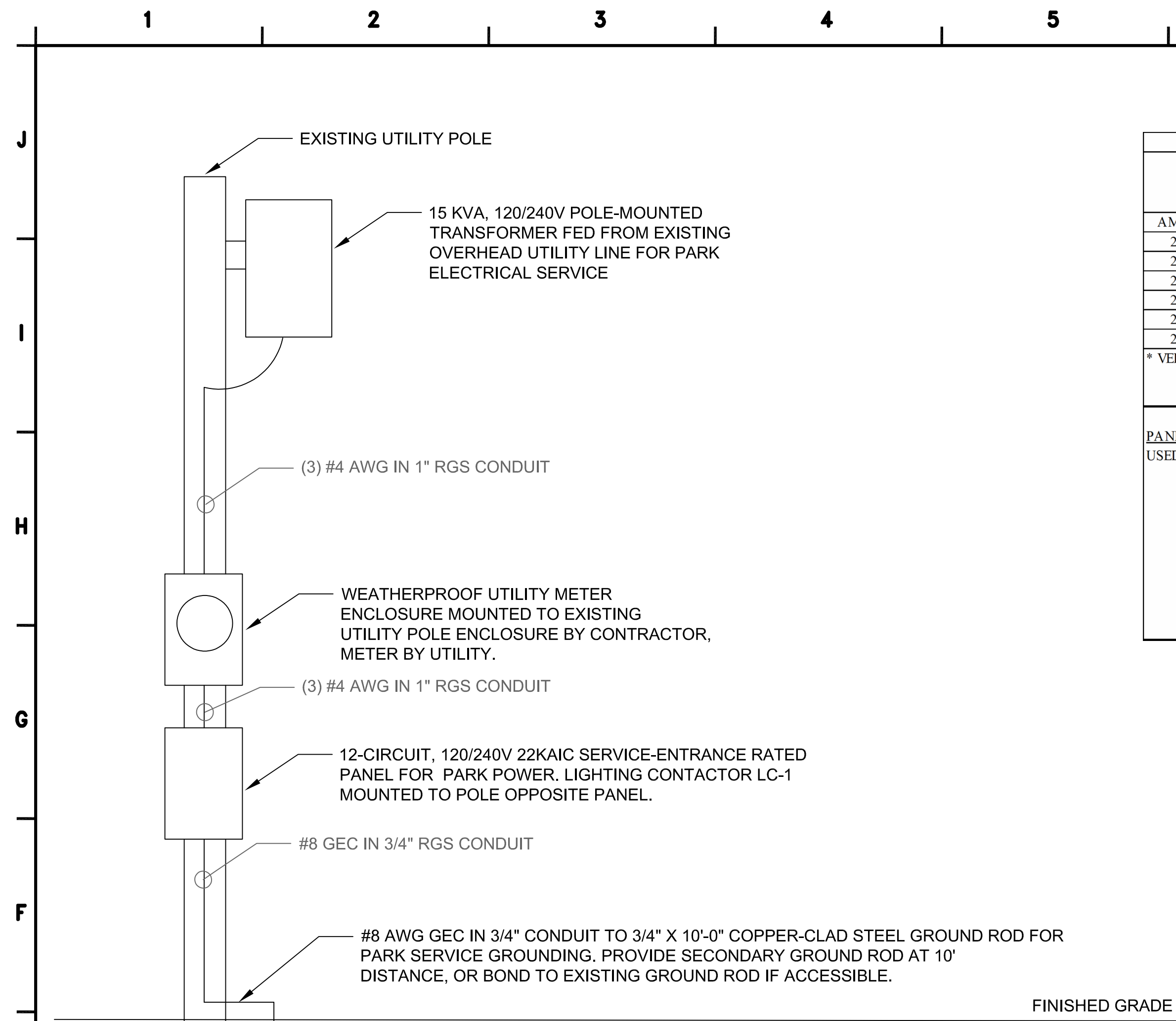
REVISIONS			
NO.	DATE	BY	APPROVED

DESIGNED BY:	K. HENDERSON
DRAWN BY:	M. DOYON
CHECKED BY:	M. GRIFFITH
APPROVED BY:	M. GRIFFITH
DATE:	09/08/2023

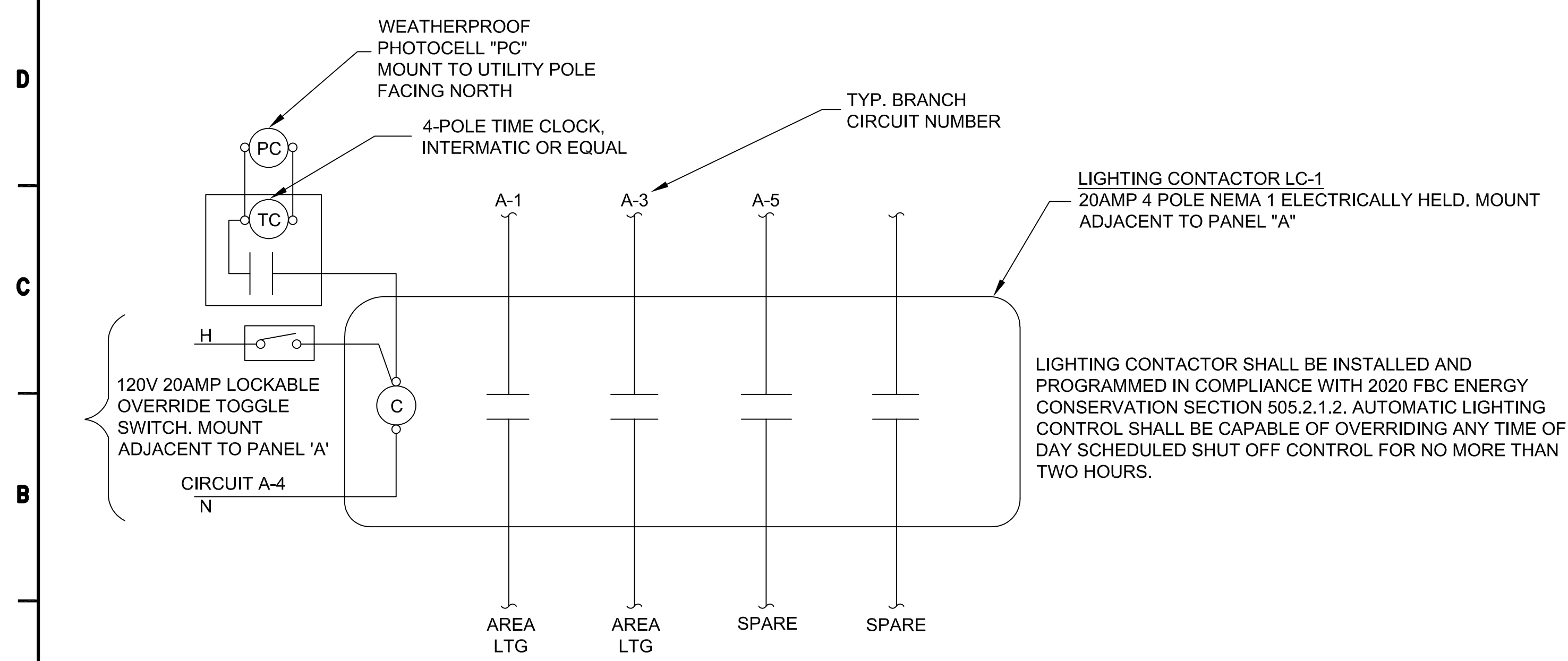
SHEET TITLE:  
**ELECTRICAL NEW WORK PLAN**

SHEET NUMBER:	REV. #
<b>E200</b>	
SHEET OF SHEETS	

**1 ELECTRICAL NEW WORK PLAN**  
1/16" = 1'-0"  
SCALE: 1/16"=1'-0"



**1 ELECTRICAL RISER DIAGRAM**  
NTS



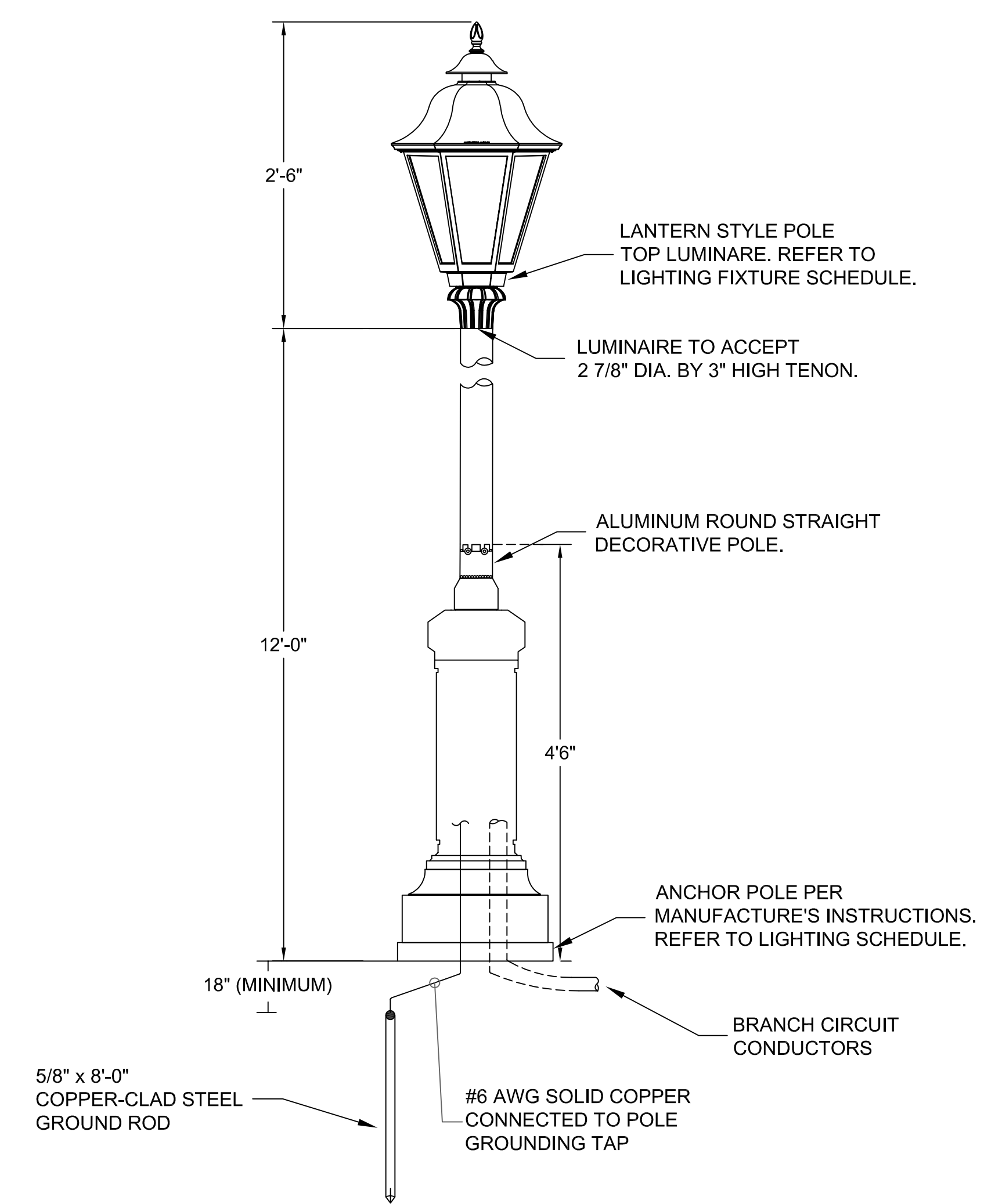
**2 LIGHTING CONTACTOR DETAIL**  
NTS

PANEL NAME		LOCATION:		VOLTAGE: 120/240V 1 PHASE, 3 WIRE						MOUNTING / ENCLOSURE: BOTTOM SURFACE / NEMA 3R			
<b>A</b>		UTILITY POLE		60A M.C.B.						22KAIC			
TYPE: SQUARE D NQ													
AMPS	POLES	TYPE	CIRCUIT DESCRIPTION	KVA	CKT	A	B	CKT	KVA	CIRCUIT DESCRIPTION	TYPE	POLES	AMPS
20	1	L	LIGHTING	0.42	1	1.32		2	0.90	RECEPTACLES	R	1	20
20	1	L	LIGHTING	0.15	3		0.65	4	0.50	TIME CLOCK	MISC	1	20
20			SPARE		5			6		SPARE			20
20			SPARE		7			8		SPARE			20
20			SPARE		9			10		SPARE			20
20			SPARE		11			12		SPARE			20
* VERIFY EQUIPMENT NAME PLATE				PHASE TOTAL		1.32	0.65	KVA					
TOTAL CONNECTED LOAD											1.97 KVA	8 A	
TOTAL DIVERSIFIED LOAD											2.11 KVA	9 A	

PANEL DIVERSIFIED LOAD CALCULATION:				REMARKS:		
USED EQUIPMENT:		CONN. LOAD	DF	DESIGN LOAD		
L	LIGHTING	0.57	1.25	0.71	PROVIDE NEUTRAL & GROUND BUS	
MISC	MISC. EQUIPMENT	0.50	1.00	0.50	PROVIDE TYPE WRITTEN DIRECTORY	
R	RECEPTACLES (1ST 10KVA)	0.90	1.00	0.90		
	REMAINING RECEPTACLES	0.00	0.50	0.00		
AC	HVAC EQUIPMENT	0.00	1.00	0.00		
H	HEATING	0.00	1.00	0.00		
TOTAL				2.11		

**3 PANEL 'A' SCHEDULE**  
NTS



**4 LIGHT FIXTURE ON POLE**  
NTS

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DRAWN BY: M. DOYON  
CHECKED BY: M. GRIFFITH  
APPROVED BY: M. GRIFFITH  
DATE: 09/08/2023

SHEET TITLE:  
**ELECTRICAL RISER DIAGRAM, PANEL SCHEDULES, AND DETAILS**

SHEET NUMBER: **E300**  
SHEET OF SHEETS