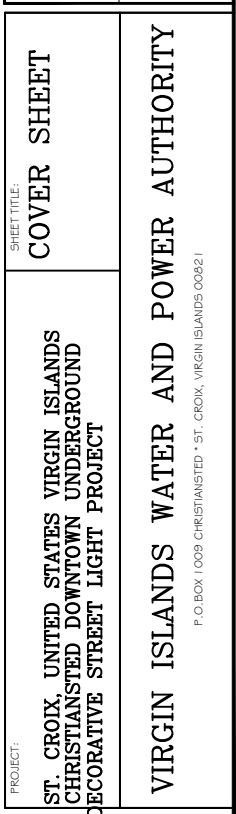


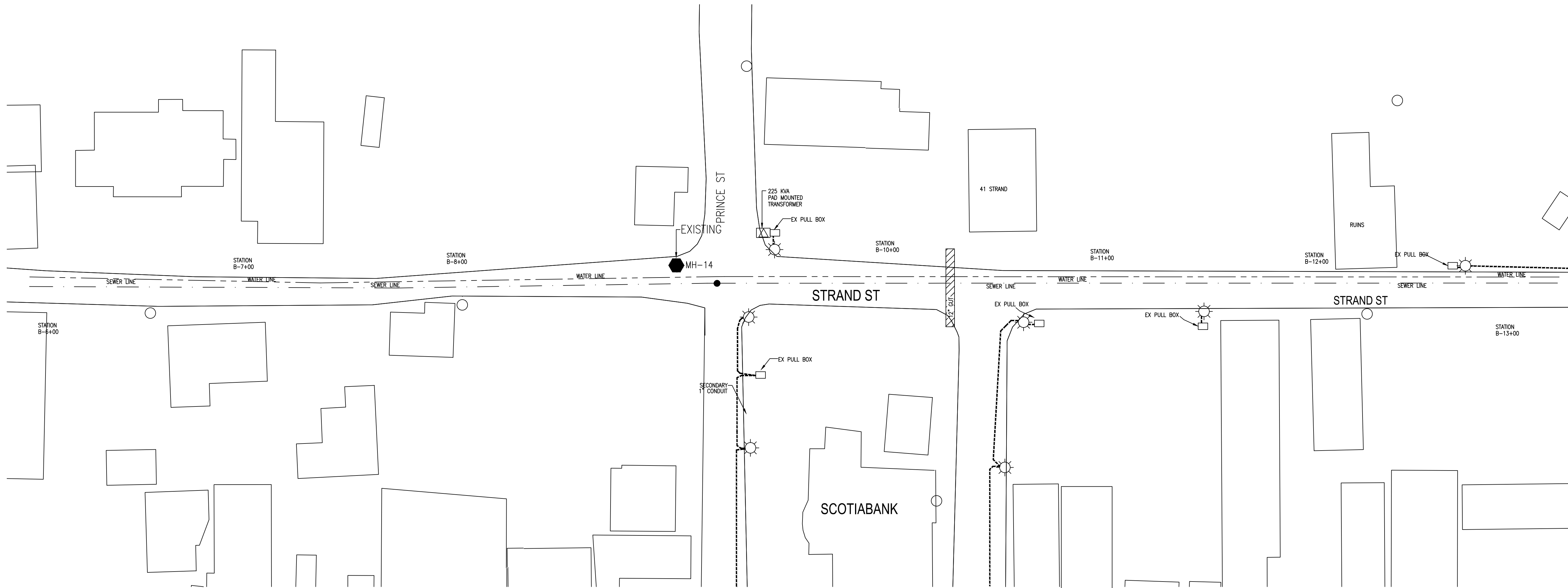
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APPROVALS	
DPW BY _____ DATE _____	VITELCO BY _____ DATE _____
CABLE BY _____ DATE _____	CHIEF OPERATING OFFICER BY _____ DATE _____
LINE/DIST. BY _____ DATE _____	ENGINEERING BY _____ DATE _____
WATER BY _____ DATE _____	ENVIRONMENTAL BY _____ DATE _____
OTHER BY _____ DATE _____	PRODUCTION BY _____ DATE _____



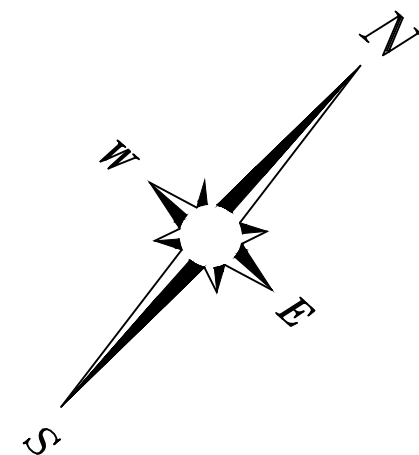
DESIGN X.A.A.	DRAWN X.A.ACEVEDO
CHECKED D.HYPOLITE / M.SMITH	
DWG NO.	
SCALE NOT TO SCALE	
DATE 10-10-13	

CS	E-1
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PLAN
SCALE: 1" = 20'-0"

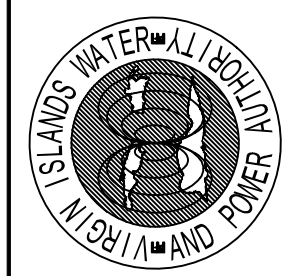
LEGEND	
	ELECTRICAL AND COMMUNICATION MH
	ELECTRICAL AND COMMUNICATION MH W/ STUB OUT
	UTILITY MANHOLE COVER
	TRANSFORMER
	PULL BOX
	BOW DECORATIVE STREET LIGHT



ISSUE / REVISION	DATE

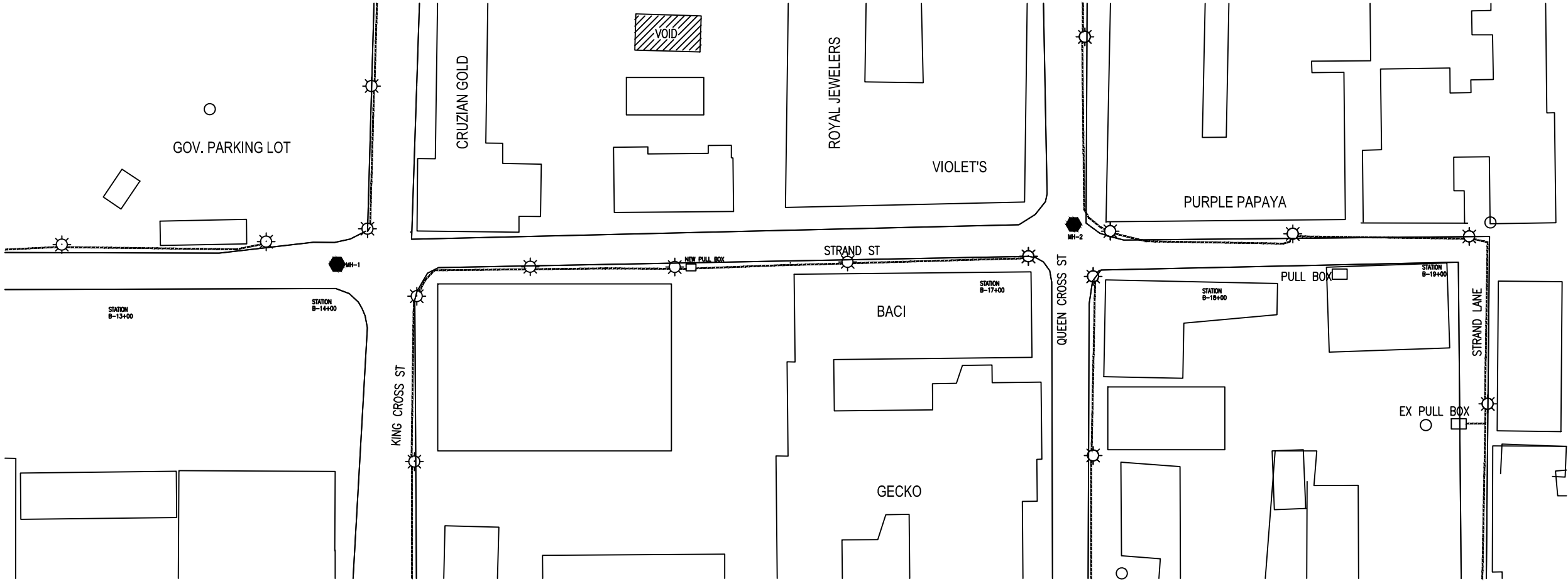
SEC. SL SYSTEM

Virgin Islands
Water and Power Authority
St. Croix U.S. Virgin Islands



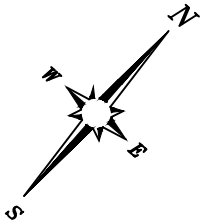
Christiansted Downtown Underground Decorative Street Light Project		DESIGN BY: DPH
DRAWN BY: XAA	CHECKED BY: MS	PROJECT NO.
SCALE: AS NOTED	DATE: 4/26/11	

DRAWING NO.
E12



PLAN
SCALE: 1" = 20'-0"

LEGEND	
	ELECTRICAL AND COMMUNICATION MH
	ELECTRICAL AND COMMUNICATION MH
	UTILITY MANHOLE COVER
	TRANSFORMER
	PULL BOX
	BOW DECORATIVE STREET LIGHT



CHRISTIANSTED DOWNTOWN UNDERGROUND DECORATIVE STREET LIGHT PROJECT		DESIGN BY: DPH	PROJECT NO.
SCALE: AS NOTED	DRAWN BY: XAA	CHECKED BY: MS	
DATE: 6/17/08			

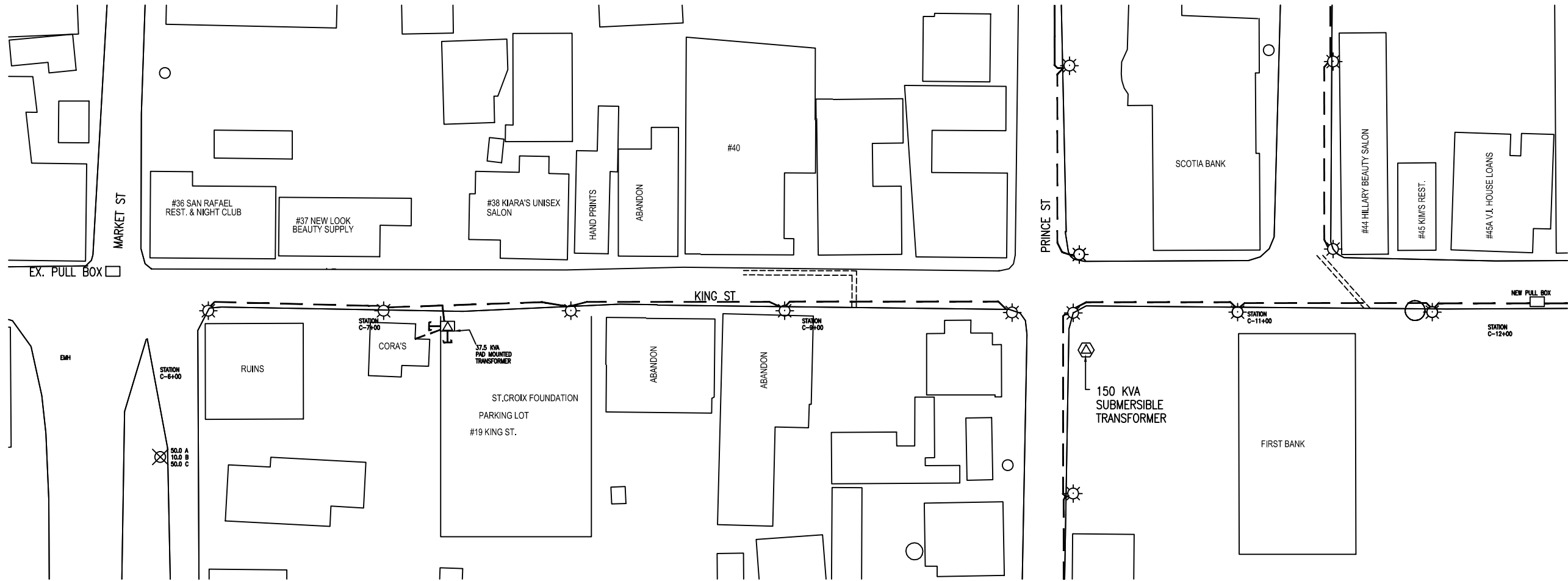
DRAWING NO.
E13

Virgin Islands
Water and Power Authority
St. Croix U.S. Virgin Islands



SEC. SL SYSTEM

ISSUE / REVISION	DATE



PLAN

SCALE: 1" = 20'-0"

ISSUE / REVISION		DATE

SEC. SL System

Virgin Islands
Water and Power Authority
St. Croix U.S. Virgin Islands



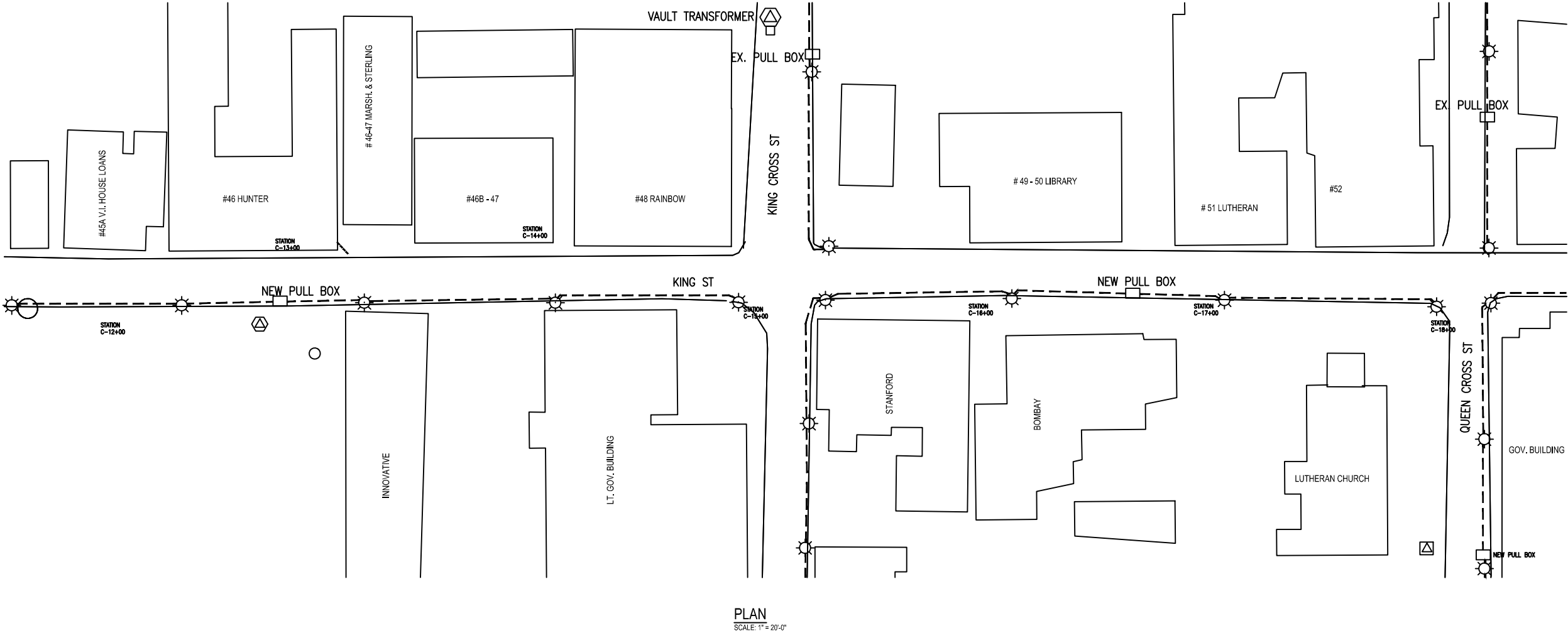
CHRISTIANSTED DOWNTOWN UNDERGROUND
DECORATIVE STREET LIGHT PROJECT

SCALE	DATE	CHECKED BY:	PROJECT NO.
AS NOTED	6/17/08	XAA	MS

DRAWING NO.

E15

LEGEND	
	ELECTRICAL AND COMMUNICATION MH
	ELECTRICAL AND COMMUNICATION MH W/ STUB OUT
	UTILITY MANHOLE COVER
	TRANSFORMER
	PULL BOX
	BOW DECORATIVE STREET LIGHT



CHRISTIANSTED DOWNTOWN UNDERGROUND

STREET LIGHT PROJECT

SCALE: AS NOTED

DATE: 6/17/08

DRAWN BY: XAA

CHECKED BY: MS

DESIGNED BY: DPH

PROJECT NO.

DRAWING NO.

E16

Virgin Islands

Water and Power Authority

St. Croix U.S. Virgin Islands

SEC. SL SYSTEM	
ISSUE / REVISION	DATE

LEGEND

ELECTRICAL AND COMMUNICATION MH

ELECTRICAL AND COMMUNICATION MH
W/ STUB OUT

UTILITY MANHOLE COVER

TRANSFORMER

PULL BOX

BOW DECORATIVE STREET LIGHT

PLAN
SCALE: 1" = 20'-0"

Virgin Islands
Water and Power Authority
St. Croix U.S. Virgin Islands

SEC. SL SYSTEM

CHRISTIANSTED DOWNTOWN UNDERGROUND DECORATIVE STREET LIGHT PROJECT			
SCALE: AS NOTED	DRAWN BY: XAA	DESIGN BY: DPH	PROJECT NO.
DATE: 6/17/08	CHECKED BY: MS		

DRAWING NO.

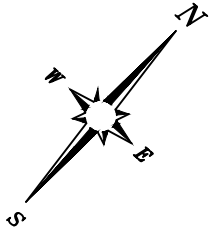
E18

ISSUE / REVISION	DATE



PLAN
SCALE: 1" = 20'-0"

LEGEND	
	ELECTRICAL AND COMMUNICATION MH
	ELECTRICAL AND COMMUNICATION MH W/ STUB OUT
	UTILITY MANHOLE COVER
	TRANSFORMER
	PULL BOX
	80W DECORATIVE STREET LIGHT



ISSUE / REVISION	DATE

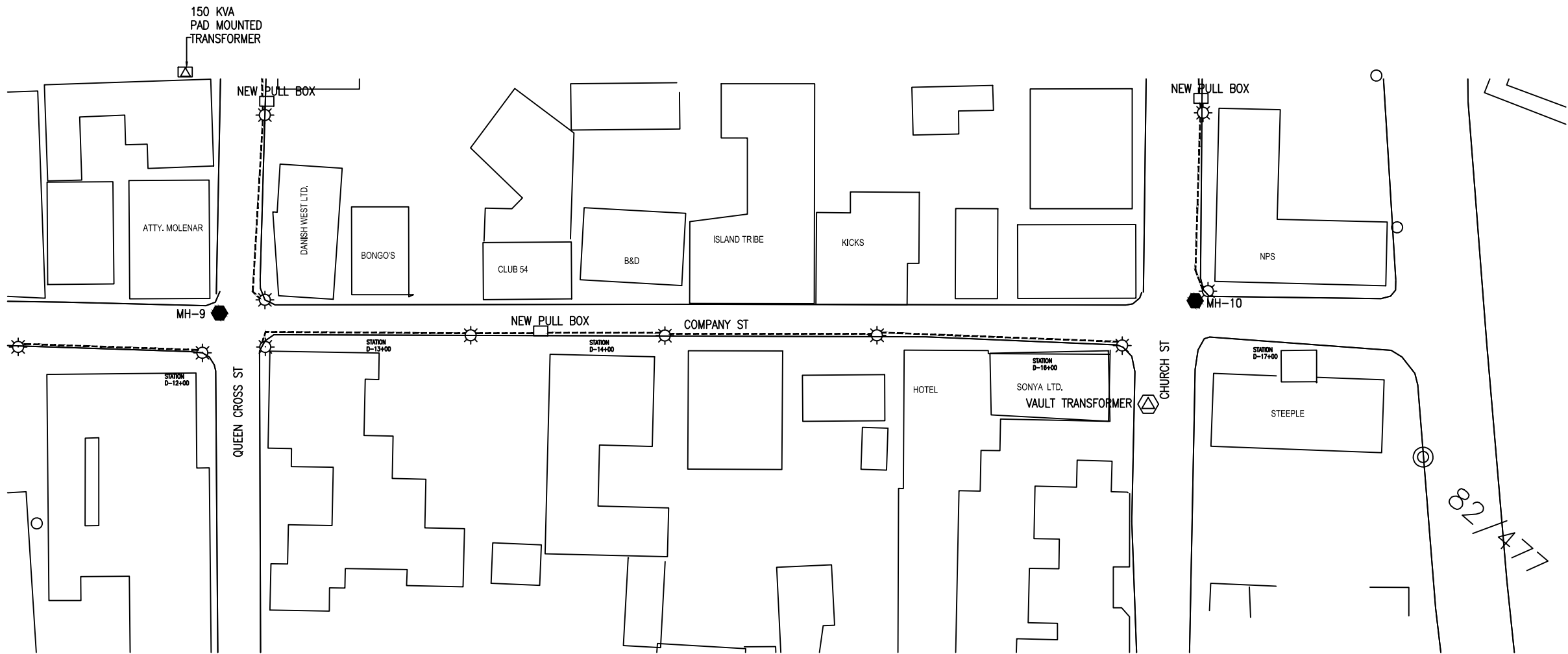
SEC. SL SYSTEM

Virgin Islands
Water and Power Authority
St. Croix U.S. Virgin Islands



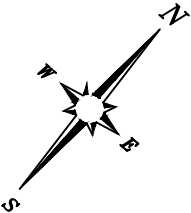
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SCALE AS NOTED	DRAWN BY MS	CHECKED BY MS	PROJECT NO.
DATE 6/17/08			

DRAWING NO.
E19









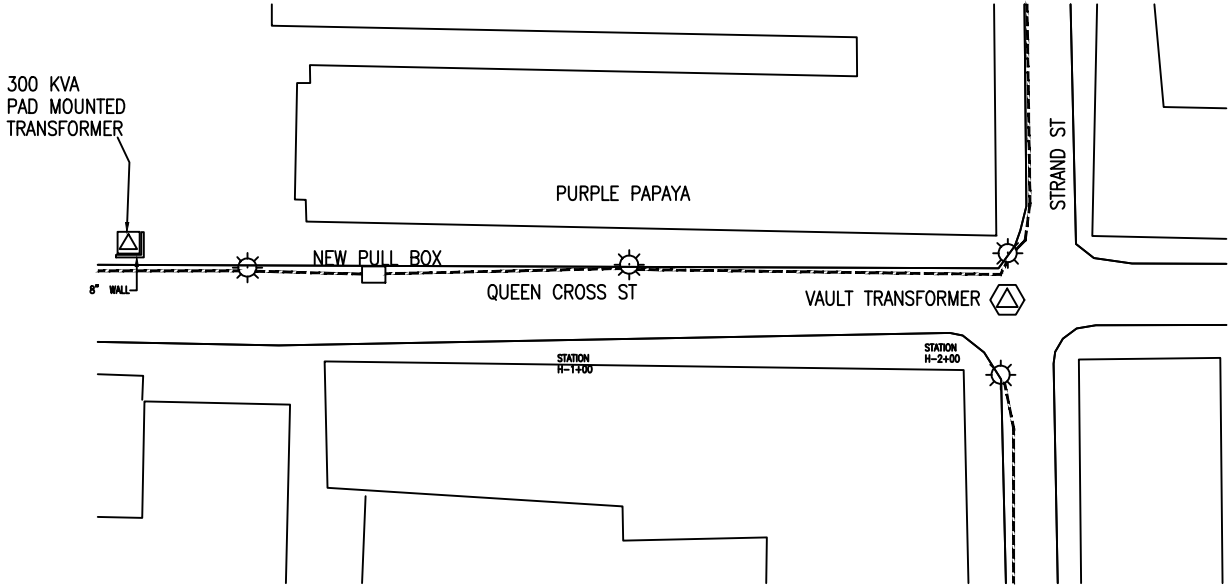
PLAN
SCALE: 1" = 20'-0"

LEGEND	
	ELECTRICAL AND COMMUNICATION MH
	ELECTRICAL AND COMMUNICATION MH W/ STUB OUT
	UTILITY MANHOLE COVER
	TRANSFORMER
	PULL BOX
	BOW DECORATIVE STREET LIGHT

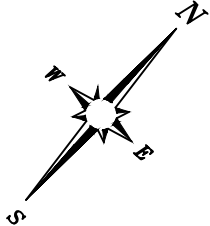


CHRISTIANSTED DOWNTOWN UNDERGROUND DECORATIVE STREET LIGHT PROJECT		DESIGNED BY: DPH	PROJECT NO.			
		DRAWN BY: XAA				
SCALE: AS NOTED	CHECKED BY: MS	DATE: 6/17/08	DRAWING NO. E20			
		Virgin Islands Water and Power Authority St. Croix U.S. Virgin Islands				
SEC. SL SYSTEM		ISSUE / REVISION				
		DATE				


LEGEND	
	ELECTRICAL AND COMMUNICATION MH
	ELECTRICAL AND COMMUNICATION MH W/ STUB OUT
	UTILITY MANHOLE COVER
	TRANSFORMER
	PULL BOX
	BOW DECORATIVE STREET LIGHT



PLAN
SCALE: 1" = 20'-0"



CHRISTIANSTED DOWNTOWN UNDERGROUND DECORATIVE STREET LIGHT PROJECT		DESIGNED BY: RAB	PROJECT NO.
SCALE: AS NOTED	DRAWN BY: XAA	CHECKED BY: MS	
DATE: 6/17/08			



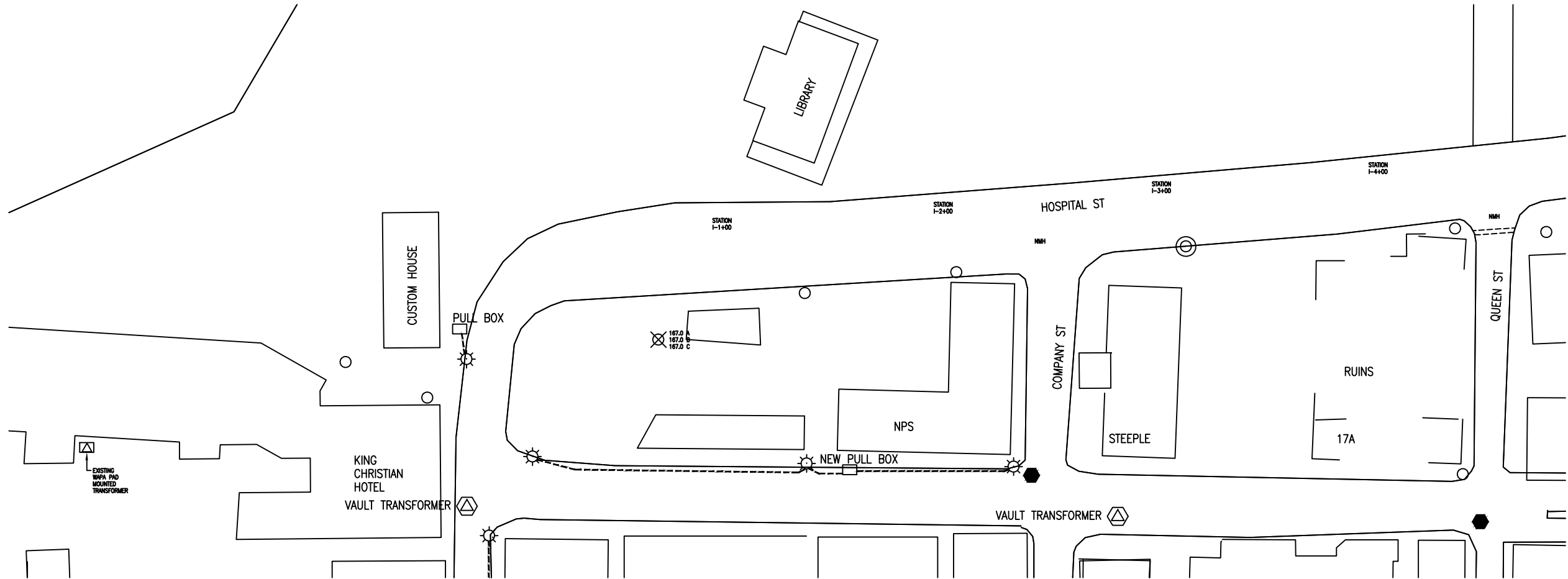
Virgin Islands
Water and Power Authority
St. Croix U.S. Virgin Islands

SEC. SL SYSTEM

ISSUE / REVISION	DATE

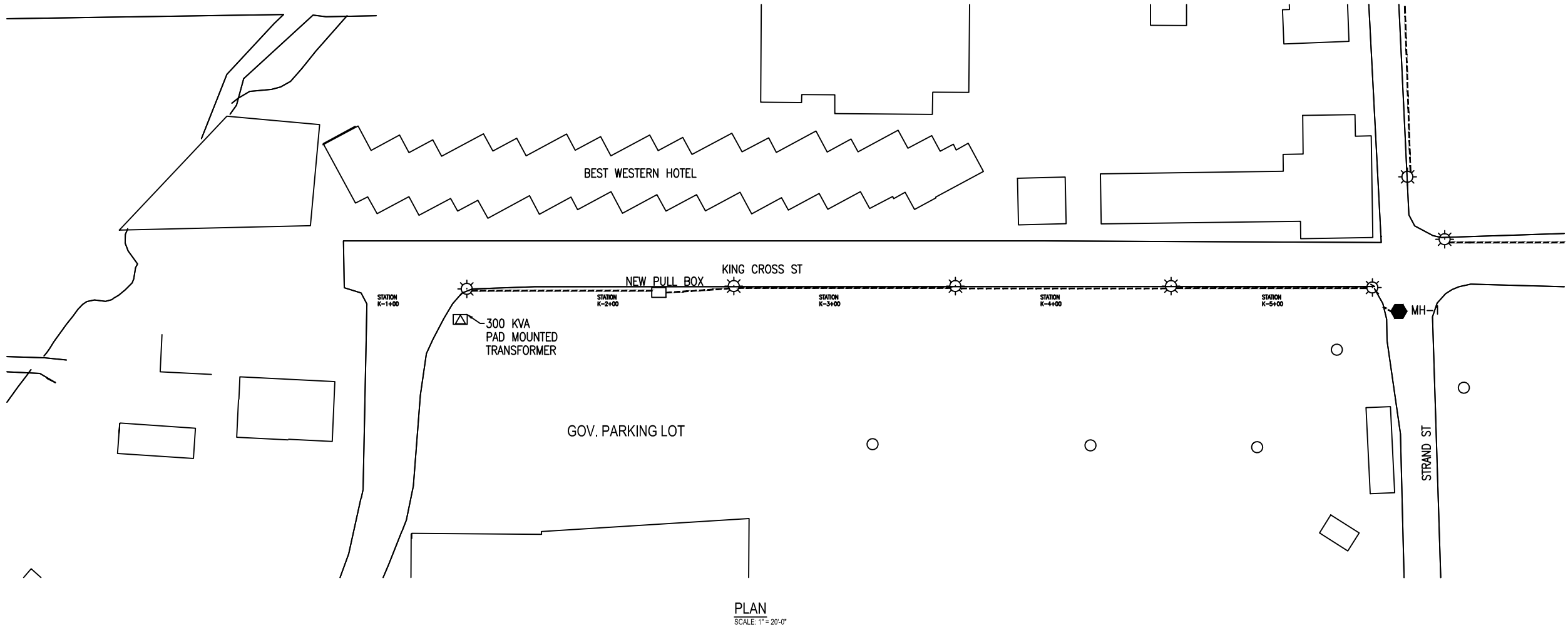
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DRAWING NO.
E30



PLAN
SCALE: 1" = 20'-0"

DRAWING NO. E31		DATE 6/17/08		DESIGNED BY DPH	PROJECT NO.
		SCALE AS NOTED	DRAWN BY XAA	CHECKED BY MS	
CHRISTIANSTADT DOWNTOWN UNDERGROUND DECORATIVE STREET LIGHT PROJECT					
Virgin Islands Water and Power Authority St. Croix U.S. Virgin Islands					
SEC. SL SYSTEM		ISSUE / REVISION			
		DATE			



LEGEND	
	PROPOSED LOCATION FOR ELECTRICAL AND COMMUNICATION MH
	PROPOSED LOCATION FOR ELECTRICAL AND COMMUNICATION MH W/ STUB OUT
	UTILITY MANHOLE COVER
	TRANSFORMER
	PULL BOX
	BOW DECORATIVE STREET LIGHT TYPICAL POLE MID TRANSFORMER



Virgin Islands
Water and Power Authority
St. Croix U.S. Virgin Islands

CHRISTIANSTED DOWNTOWN UNDERGROUND
DECORATIVE STREET LIGHT PROJECT

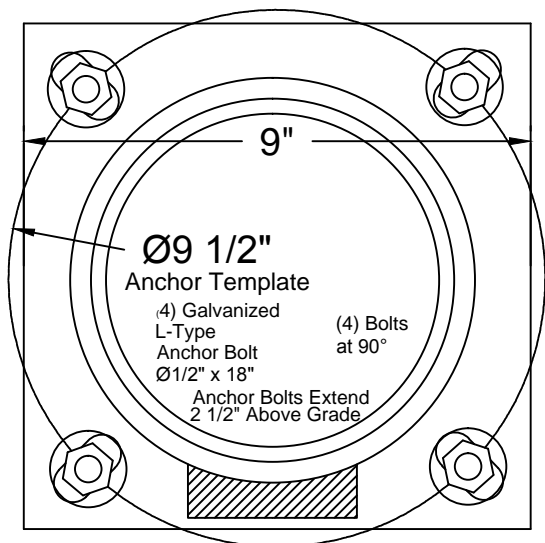
SCALE: AS NOTED	DRAWN BY: XAA	DESIGNED BY: DPH
DATE: 6/17/08	CHECKED BY: MS	PROJECT NO.

DRAWING NO.

E33

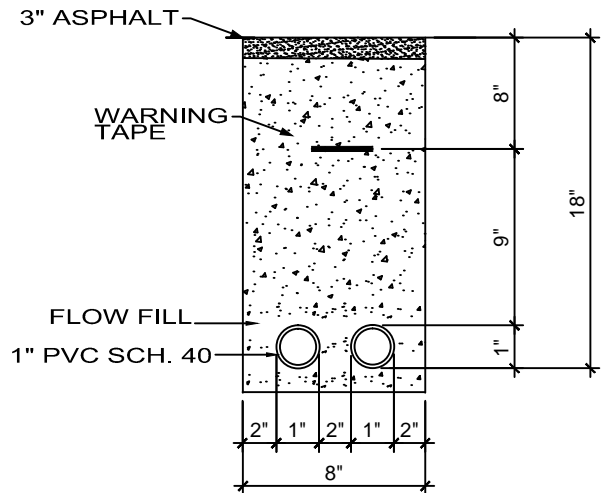
SEC. SL SYSTEM

ISSUE / REVISION	DATE

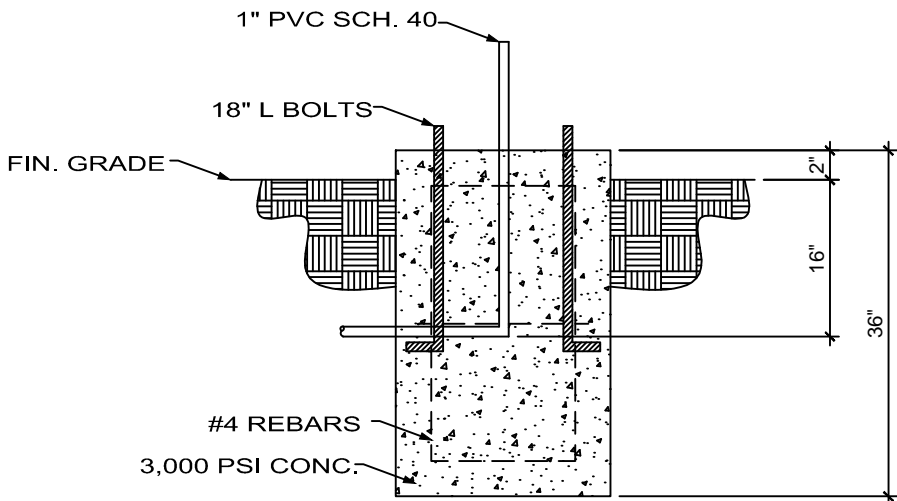


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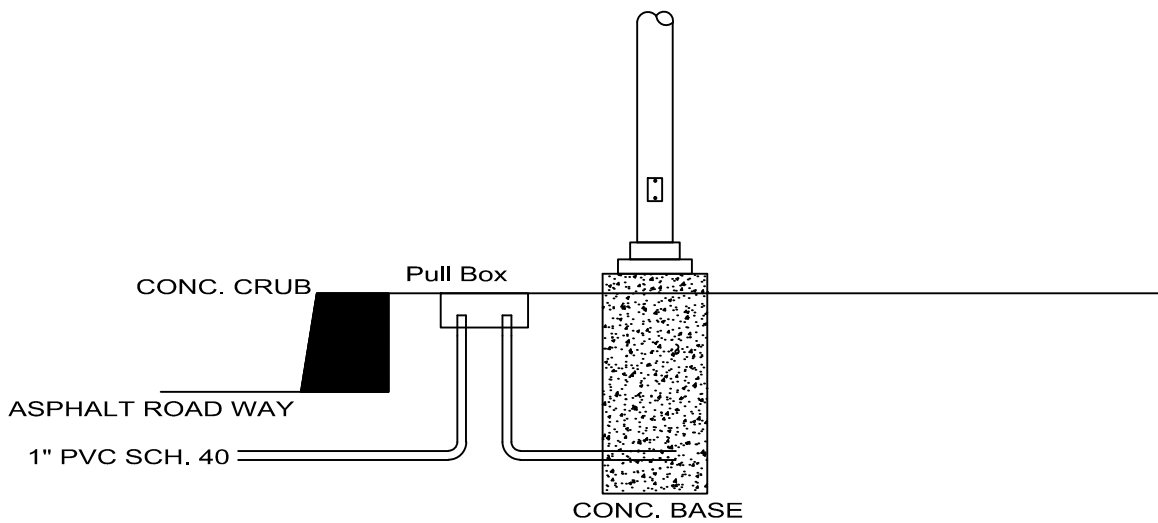
TYPICAL BASE PLATE DETAIL



TYPICAL TRENCH DETAIL



TYPICAL BASE FOUNDATION DETAIL



TYPICAL SECTION DETAIL

CONCRETE BASE DETAIL

VIRGIN ISLANDS WATER AND POWER AUTHORITY
CORPORATE ENGINEERING

Drawn By: X.A.A. Date: FEB. 2014
Approved By: M.S Sheet: 1

Dwg.#

1 OF 1

GENERAL NOTES:

A. GENERAL:

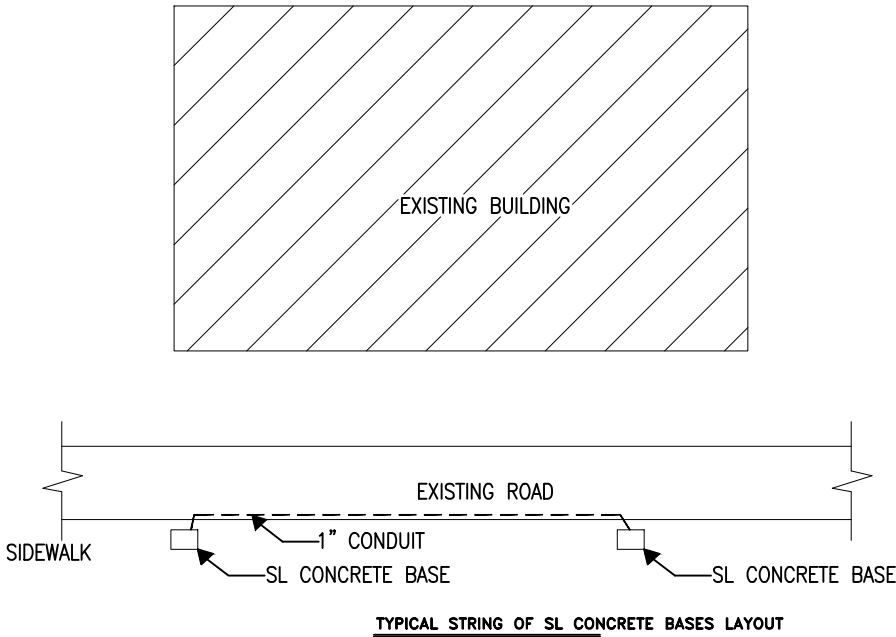
1. ALL CONSTRUCTION SHALL CONFORM TO THE 2003 INTERNATIONAL BUILDING CODE UNLESS MORE STRINGENT REQUIREMENTS ARE REQUIRED IN THE PLANS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL CONDITIONS, ELEVATIONS AND DIMENSIONS BEFORE STARTING WORK. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
3. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY DISCREPANCIES OR OMISSIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS OF ANY VARIATIONS NEEDED IN ORDER TO CONFORM TO CODES, RULES AND REGULATIONS. UPON RECEIPT OF SUCH INFORMATION, THE ENGINEER WILL SEND WRITTEN INSTRUCTIONS TO ALL CONCERNED, AND WORK SHALL BE PERFORMED IN A MANNER AS DIRECTED BY THE ENGINEER. ANY SUCH DISCREPANCY, OMISSION, OR VARIATION NOT REPORTED, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. THE CONTRACT DOCUMENTS REPRESENTS THE FINISH STRUCTURE. THEY DO NOT INDICATE METHOD OF CONSTRUCTION.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE TEMPORARY BRACES, SHORES AND GUYS, WHEREVER NECESSARY TO SUPPORT ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED DURING CONSTRUCTION, INCLUDING ERECTION EQUIPMENT AND ITS OPERATION. THIS TEMPORARY SUPPORT SYSTEM SHALL HOLD ALL ELEMENTS AND MEMBERS IN THEIR FINAL POSITION UNTIL TOTAL AND FINALLY CONNECTED TO THE PERMANENT BRACING ELEMENTS.
6. THE TYPICAL NOTES AND DETAILS SHALL APPLY IN ALL CASES UNLESS SPECIFIC DETAILS OCCUR ELSEWHERE. WHERE NO DETAIL IS SHOWN, CONSTRUCTION SHALL BE AS FOR SIMILAR WORK.
7. REQUIRED INSPECTIONS BY THE VIRGIN ISLANDS DEPARTMENT OF PLANNING AND NATURAL RESOURCES (BUILDING DEPARTMENT):

- A. FOUNDATIONS
B. CONCRETE
C. MASONRY
D. STRUCTURAL STEEL

B. CONCRETE:

1. CONCRETE WORK SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) - BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-0 LATEST REVISION).
2. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AFTER 28 DAYS EQUAL TO OR GREATER THAN 3,000 PSI.
3. CONTINUOUS INSPECTION REQUIRED FOR ALL CONCRETE. INSPECTION BY BUILDING INSPECTOR REQUIRED FOR PLACEMENT OF REINFORCING STEEL PRIOR TO PLACING CONCRETE. CONTINUOUS INSPECTION IS NOT REQUIRED DURING PLACING CONCRETE OF THE REINFORCING.
4. ALL CONCRETE SHALL BE NORMAL WEIGHT (145 PCF) UNLESS NOTED AS LIGHTWEIGHT CONCRETE.

5. PORTLAND CEMENT : ASTM C150, TYPE I OR TYPE II. LOW ALKALI.
6. CONCRETE AGGREGATE SHALL CONFORM TO ASTM C33 WITH THE FOLLOWING NOMINAL LIMITATIONS:
a. FOOTINGS AND SLABS ON GRADE, 1 TO 1-1/4 INCH MAXIMUM.
b. WALLS AND STRUCTURAL SLABS, 3/4 INCH MAXIMUM.
7. CONCRETE STRENGTH MIX DESIGN SHALL BE DOCUMENTED BY NEW OR EXISTING TEST REPORTS FROM APPROVED LICENSED TESTING LABORATORIES PRIOR TO BATCHING.
8. PROJECTING CORNERS OF BEAMS, COLUMNS, ETC. SHALL BE FORMED WITH 3/4 INCH CHAMFER, UNLESS OTHERWISE DETAILED.
9. FORMS AND CONCRETE SHALL BE LAID OUT AND CONSTRUCTED TO PROVIDE THE SPECIFIED CAMBERS SHOWN ON THE DRAWINGS.
11. SHORING OF STRUCTURAL SLABS:
- a. ALL SHORING AND RESHORING SHALL BE DONE IN ACCORDANCE WITH ACI STANDARD RECOMMENDED PRACTICE FOR CONCRETE FORMWORK (ACI-347).
b. ONE HUNDRED PERCENT SHORING AND FORMS SHALL REMAIN IN PLACE FOR 14 DAYS MINIMUM. SHORING MAY BE REDUCED TO 50 PERCENT AFTER 14 DAYS, PROVIDED CONCRETE STRENGTH EQUALS AT LEAST 75 PERCENT OF DESIGN STRENGTH.
c. RESHOERS SHALL NOT BE REMOVED IF CONCRETE STRENGTH DOES NOT MEET SPECIFIED STRENGTH AT 28 DAYS.
d. NEWLY PLACED SLABS SHALL NOT BE USED TO SUPPORT SLAB ABOVE UNTIL THE LOWER SLAB HAS CURED FOR 5 DAYS, MINIMUM. SHORTS TO SUPPORT UPPER LEVEL SLAB MAY BE PLACED WITHIN THE 5 DAY CURING PERIOD.



DATE	
ISSUE / REVISION	DATE
NOTES SHEET	
Virgin Islands Water and Power Authority St. Croix U.S. Virgin Islands	
CHRISTIANSTEDT UNDERGROUND DECORATIVE STREET LIGHT PROJECT NOTES & DETAILS	
PROJECT NO.	PROJECT NO.
DRAWN BY: XAA	CHECKED BY: MS
SCALE: AS NOTED	DATE: 12/10/13
DRAWING NO. N1	