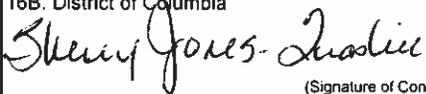


<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. Contract Number	Page of Pages 1   22	
2. Amendment/Modification Number GF-2010-B-0006-004		3. Effective Date 7-May-10		4. Requisition/Purchase Request No.	
5. Solicitation Caption See Caption below					
6. Issued By: Univeristy of the District of Columbia Capital Procurement Division 4200 Connecticut Avenue, NW Washington, DC 20008			Code _____ 7. Administered By (If other than line 6) Univeristy of the District of Columbia Capital Procurement Division 4200 Connecticut Avenue, NW Washington, DC 20008		
8. Name and Address of Contractor (No. Street, city, country, state and ZIP Code)			<input checked="" type="checkbox"/> 9A. Amendment of Solicitation No. GF-2010-B-0006 <input type="checkbox"/> 9B. Dated (See Item 11) 13-Apr-10 <input type="checkbox"/> 10A. Modification of Contract/Order No. <input type="checkbox"/> 10B. Dated (See Item 13)		
Code _____		Facility _____			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input checked="" type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or fax which includes a reference to the solicitation and amendment number. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or fax, provided each letter or telegram makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. Accounting and Appropriation Data (If Required)					
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14</b>					
A. This change order is issued pursuant to: (Specify Authority) The changes set forth in Item 14 are made in the contract/order no. in item 10A.					
B. The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) set forth in item 14, pursuant to the authority of 27 DCMR, Chapter 36, Section 3601.2.					
C. This supplemental agreement is entered into pursuant to authority of:					
D. Other (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. Description of amendment/modification (Organized by UCF Section headings, including solicitation/contract subject matter where feasible.)					
Solicitation No. GF-2010-B-0006, Renovation of Plaza Deck and Parking Garage is hereby amended as follows:					
(1). Bid submission date of May 12, 2010 by 2:00 pm local time is hereby extended to Friday, May 14, 2010, by 2:00 pm, local time. Bids shall be delivered to 4200 Connecticut Avenue, NW Building 38, Room C01, Washington DC 20008. Public Bid Opening will be held at 2:00 pm at the same location.					
(2). Questions and Answers (Attachment A)					
(3). Explanation to questions 1,2,3. (Attachment B)					
(4). Revised Drawings List and Drawings and revised drawings, (Attachment C).					
(5). Add Clause; H.11 Contract Activities All contract activities involving utility outages which generate sound/noise and or odor shall be performed on weekends and or between 10pm and 8am on weekdays. Contractor shall provide visual barriers, when requested, and ensure access at all times to UDC facilities and activities.					
(6). All other terms and conditions remain the same.					
Except as provided herein, all terms and conditions of the document referenced in Item (9A or 10A) remain unchanged and in full force and effect					
15A. Name and Title of Signer (Type or print)			16A. Name of Contracting Officer Sherry Jones-Quashie		
15B. Name of Contractor		15C. Date Signed		16B. District of Columbia	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)	
				16C. Date Signed 5/7/10	

## Attachment A

**ANSWERS TO OFFERORS QUESTIONS**

Quest No.	Question	Answer
1.	Reference Site Lighting Plan Sheet E-3, Material and Layout Enlargement Plans L-2 & L-3, and Site Detail Plan LD-15 Detail #4. The Light Fixture Schedule on sheet E-3 states that there is a quantity of 5 type "C" light fixtures required for this project. Site lighting plan E-3 and landscape plans L-1 & L-2 show only 4 type "C" light fixtures. Which quantity is correct? If a total quantity of 5 is required. Where is the 5th type "C" light fixture locate? Please clarify.	5 is the correct quantity of type "C" light fixtures. See attached enlargement of drawing E-3 for locations.
2.	Reference Site Lighting Plan Sheet E-3 and Material and Layout Enlargement Plans L-4 & L-5. The Light Fixture Schedule on sheet E-3 states that there is a quantity of 28 type "E" light fixtures required for this project. Site lighting plan E-3 and landscape plans L-3 & L-4 show 21 type "E" light fixtures. Which quantity is correct? Please provide the location of the other 7 type "E" light fixtures.	21 is the correct number of type "E" light fixtures. See attached enlargement of drawing E-3.
3.	The single line diagram on sheet WE-4 states that the feeder for the Fountain Power Distribution Center is to be specified by others. Is the feeder for this equipment part of this contract? If so, what size is the feeder and where is it fed from? Please clarify.	WE-4 says "SEE DWG. E-6". Drawing E-6 shows a 150A feeder breaker to be added to CKTS 7, 9, 11 in existing panel 41-DPA. Feeder cable is shown to be 4 # 1/0, 1 # 6 ground, 2" conduit. See drawing E-6, attached (partial).
4.	There are few notes in the electrical drawings indicating repair, replace, and/or provide new panels as needed. Can there be another site visit for us to inspect the existing panels? Please advise	Panels marked as 'EXISTING' are to be left in place. Panels marked as 'NEW' are to be provided by the contractor.
5.	1. The following incomplete specification sections need to be selected of a specific type, size, product, value, manufacturer, warranty, color, and etc. for the items in this project: a) Section 033053 – Miscellaneous Cast-In-Place Concrete b) Section 035300 – Concrete Topping c) Section 042000 – Unit Masonry d) Section 042113 – Brick Masonry e) Section 051200 – Structural Steel Framing	Updated plans and specifications were provided to bidders in CD's per addendum issued on 4/19/10.

ANSWERS TO OFFERORS QUESTIONS

	<p>f) Section 052100 – Steel Joist Framing g) Section 053100 – Steel Decking h) Section 055100 – Metal Stairs i) Section 055300 – Metal Grating j) Section 061000 – Rough Carpentry k) Section 071413 – Waterproofing of Plaza Deck l) Section 071616 – Crystalline Waterproofing m) Section 075423 – TPO Roofing n) Section 076200 – Sheet Metal Flashing and Trim o) Section 081113 – Hollow Metal Doors and Frames p) Section 087100 – Door Schedule q) Section 260533 – Raceway and Boxes For Electrical Systems r) Section 260553 – ID For Electrical Systems s) Section 260923 – Lighting Control Devices t) Section 262416 – Panelboards u) Section 262816 – Enclosed Switches and Circuit Breakers v) Section 262913 – Enclosed Controllers w) Section 265100 – Interior Lighting x) Section 329200 – Turf and Grasses</p>	
6.	<p>There are no flashing details given on the drawings for waterproofing of plaza deck. Please provide flashing details for waterproofing of plaza deck.</p>	<p>Contractor shall provide shop drawings as part of the waterproofing system specified. Use standard flashing detail as published by the manufacturer. As stated in the specification, manufacturer of the system shall be present on-site to insure work is performed correctly.</p>
7.	<p>There are not enough details given for foundation equipment space and electrical room on drawing LD-20 for these two rooms. Please provide the missing information, such as the finishing schedule, foundation details, structural framing, flooring cross section, roof details, door schedule, window schedule, and etc.</p>	<p>Updated plans and specifications were provided to bidders in CD's per addendum issued on 4/19/10.</p>
8.	<p>There are specification sections: 071413 – Waterproofing for Plaza Deck, 071616 – Crystalline Waterproofing, and 075423 – Thermoplastic Polyolefin (TPO) Roofing. Drawings don't show where we need to use Crystalline waterproofing, and Thermoplastic Polyolefin (TPO) roofing. Where do these applications apply to this project? Please clarify.</p>	<p>071413 – Waterproofing for Plaza Deck shall be used for the existing deck or repaired deck sections and is generally called out as "Waterproofing" over "Existing Deck". 071616 – Crystalline Waterproofing shall be used only for the fountain and is called out in the drawings as "Fountain Waterproofing". 075423 – Thermoplastic Polyolefin (TPO) Roofing shall be used only for</p>

ANSWERS TO OFFERORS QUESTIONS

		the building roofing system.
9.	Drawing D-3 shows 5,000 gallon and 1,000 gallon cistern. There isn't any specification section given for these cisterns. Please provide specification section for these cisterns.	Above ground storage tanks, 1,000 and 5,000 gal. capacity, shall be vertical plastic water tanks, dark green color, model 41686 and 40870 as manufactured by Norwesco Inc. or approved equal.
10.	Note 2 on S-1 "replace loose or missing screen material..." Please advise the quantity to be replaced as no detail is given.	The amount of deteriorated/missing material is unknown. The Contractor shall visit the site and take of the quantities.
11.	Note 3 on S-2 "repair plaster cover over columns to match existing at specified location." Does this occur at all columns and please provide a detail.	Repair in-kind at the locations shown on the plans.
12	Note 2 on S-2 "repair ceiling covering as indicated". What type of ceiling covering is existing?	Existing plans are not available. The specification states to replace in-kind.
13	Specification Table of Contents lists sections 00100 thru 00800 for Bid Forms, Bid bonds, etc. These spec sections were not included on the purchased CD	Please disregard this section. This information was provided to all offerors in Section K of the solicitation.
14	ReedConnect (an estimating news service) had a down loadable 160 page for the project which included the following items that were not included on the purchased CD: BID DOCUMENT Invitation NO GF-2010-B-0006 - 106 pages WAGE SCALE – 7 pages STANDARD CONTRACT PROVISIONS – 39 pages THE LIVING WAGE ACT – 5 pages Are these documents considered to be a part of the contract bid documents ?	Please disregard this section. This information was provided to all offerors in Section K and as attachments to the solicitation.
15	If so they should be issued to all bidders.  In the pre-bid meeting, it was stated that replacement of expansion joints was being performed by another contractor and was N.I.C. Drawing S-2 and S-3 indicate about 1,230 LF of expansion joint of type shown on drawing S-5. Clarify if expansion Jts on S-2 and S-3 are to be included ?	It is Volkert's understanding that all repairs shown on the plans will be included in this contract.

**ANSWERS TO OFFERORS QUESTIONS**

<p>16. Drawing S-5, Note # 4 reference expansion joint to be per spec section 079200 JOINT SEALANTS. Please confirm, should be 079500 Expansion Control?</p>	<p>Note # 4 should refer to Specification Section 079500.</p>
<p>17. Drawing S-2 indicates an expansion joint in the Ceiling of the B1 Level which is the Plaza Deck. The expansion joint indicated on drawing S-5 would appear to not be applicable to the hot fluid waterproofing and pavers at the plaza level. Please clarify if these assumptions are correct and provide details for the type of expansion joint to be installed at the plaza level.</p>	<p>Provide an expansion joint used for hot applied rubberized waterproofing such as Situra RedLine or approved equal</p>
<p>18. Drawing S-5 appears to indicate anticipated large overruns in the concrete repair line item. Please provide a bid form for unit pricing of the different types of concrete repair listed in spec section 030130 REPAIR OF CAST-IN-PLACE CONCRETE.</p>	<p>Quantities indicated in the plans are approximate. The Contractor shall visit the site and take off quantities for bid.</p>
<p>19. Drawing LD-3 indicate "GEOFOAM" fill. Provide specification for this material.</p>	<p>Geo-foam is included in spec section 329500 Section 2.02G.</p>
<p>20. Drawings do not indicate where spec section 071616 CRYSTALLINE WATERPROOFING is to be installed. Clarify what concrete is to receive this material.</p>	<p>The Section 071616 CRYSTALLINE WATERPROOFING shall only be used for the waterproofing of the water fountains. In drawings Crystalline Waterproofing is referred to as "Fountain Waterproofing".</p>
<p>21. Spec Section 071413 WATERPROOFING OF PLAZA DECK indicates conflicting warranty periods, please clarify</p>	<p>Provide a 10 year watertight and thermal warranty</p>
<p>22. Provide information as to the type of existing waterproofing on the plaza deck that is to be removed.</p>	<p>The type of existing waterproofing on the deck is unknown.</p>
<p>23. Provide information as to which project concrete is to be installed per 033000 CAST-IN-PLACE CONCRETE and which concrete is to be installed per 033053 MISCELLANEOUS CAST-IN-PLACE CONCRETE ?</p>	<p>Section 033053 of the Specification is to be used for concrete above the Plaza Deck.</p>
<p>24. 033000-2.02 indicates regular reinforcing steel / wire mesh and the same with epoxy coating. Are reinforcement bars and mesh to be epoxy coated?</p>	<p>Epoxy coated reinforcing steel bars and wire mesh are NOT required.</p>

ANSWERS TO OFFERORS QUESTIONS

<p>25. What strength concrete is to be supplied?</p>	<p>Cast-in-place concrete under Specification Section 03300 shall be a minimum of 4000 psi at 28 days.</p>
<p>26. 033053-3.06 MISC CAST-IN-PLACE CONCRETE indicates different types of finishing for formed surfaces, clarify what applies to this project and where.</p>	<p>See LD-13 for Form Liner Finish for seawall in curved concrete walls. Provide a Sample Panel: Within thirty days of receiving contract, the Prime Contractor is required to submit a 24" x 24" sample of the formliner pattern. Architect/Engineer and Owner require approval of sample panel. Provide a mockup; Build on site 30 days prior to commencing work, using same materials, methods and work force that will be used for the project. Architect/Engineer and Owner will determine specific requirements and location, and whether mockup shall be incorporated as part of the final project.</p>
<p>27. Clarify where on the project the concrete topping specified in 035300 is to be installed?</p>	<p>Provide a sandblast finish for all other cast in place concrete work that is exposed and visible to the public. There is no concrete topping in project. Floor for equipment room will be slab on grade and covered in Section 033053 – Miscellaneous Cast-In-Place Concrete</p>
<p>28. In the pre-bid meeting, it was stated that the plantings were N.I.C. Clarify if the work on spec section 329300 PLANTS is to be included ?</p>	<p>Plantings are part of the contract.</p>
<p>29. 0329300 PLANTS, Provide Bid Form for 1.04 UNIT PRICES and dollar amounts to include for 1.03 ALLOWANCES for trees and plants.</p>	<p>Remove text under 1.03 ALLOWANCES for trees and plants in specifications</p>
<p>30. Sections on Drwg LD-10 reference LD-9 PLAN for size of stainless steel channels. Provide stainless steel channel size and lbs per ft and spec.</p>	<p>The channel size on sheet LD-9 needs to be callout as C5x6.7 typical.</p>
<p>31. Provide sketch of ½" stiffener for stainless channels indicated on LD-10</p>	<p>The ½" stiffeners are at each end of each channel. This can be clarified in the notes on the sheet.</p>
<p>32. Sections 7 / LD-14 and 8 / LD-14 state "Provide GeoFoam as required". Clarify what the requirements are so this can be quantified.</p>	<p>Geo-foam is included in spec section 329500 Section 2.02G.</p>

**ANSWERS TO OFFERORS QUESTIONS**

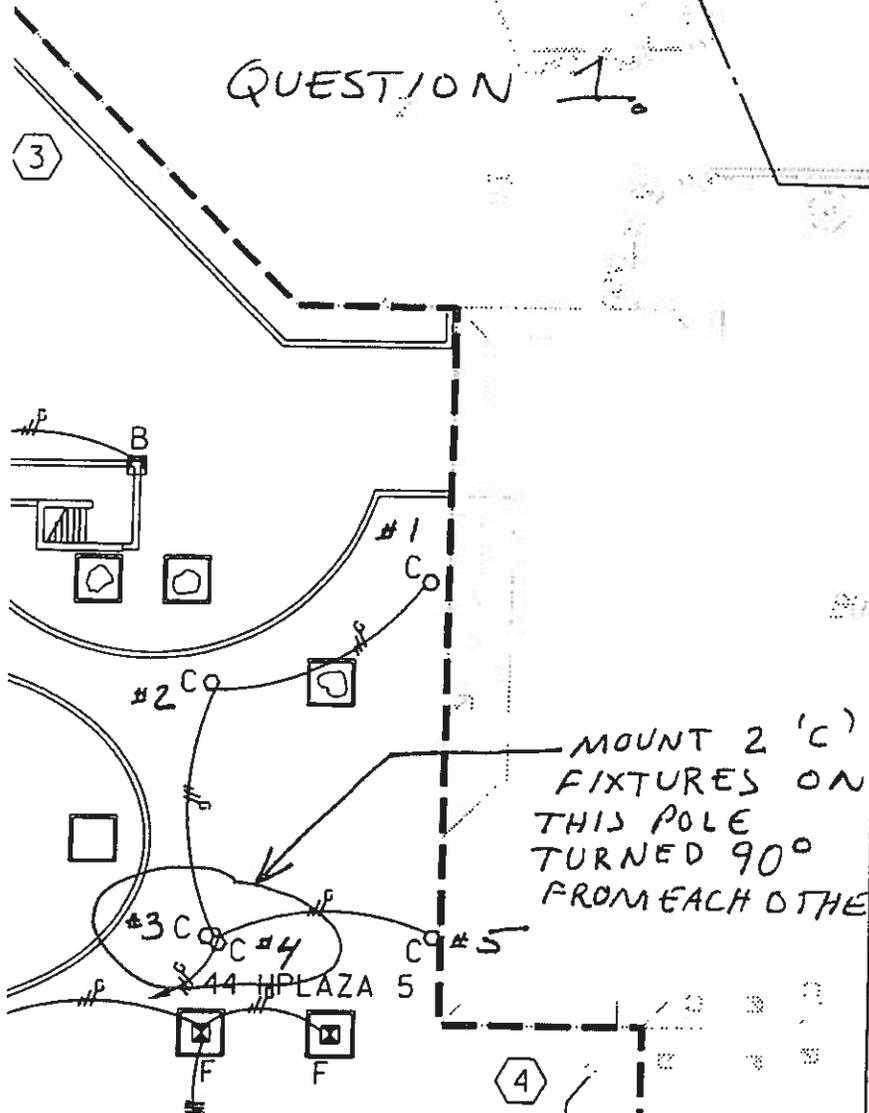
<p>33. LD-3 indicates elevated concrete slab supported by GEOFOAM. Detail 4 on LD-12 indicates the elevated slab to be supported by metal deck. Is this a contractors option ?</p>	<p>Detail 4/LD-12 appears to be incorrect. The slab is supposed to be cast on geo-foam.</p>
<p>34. L-8 indicates 3 / LD-12 for 12" x 12" Yellow Pavers. Clarify that Drawing L-9 appears to be the only location where the "slotted drainage" pavers are to be installed.</p>	<p>On L-8 the callouts should state 2 / LD 12. Drawing L-9 shows where the "slotted drainage" pavers should be installed.</p>
<p>35. At pre-bid meeting it was stated that parking garage pavement marking was N.I.C. Please clarify as contract drawings indicate pavement marking and signage.</p>	<p>Signage and Pavement Marking is included in the contract.</p>

## Attachment B

21
5
16
21
36
10
5
2

TO EXISTING LIGHT POLE.

QUESTION 1.



PARTIAL DWG. E-3

CONSTRUCTION CODED NOTES

- ① INTERCEPT THE CONDUIT FROM 12' POLE FIXTURE AND EXTEND 1 CONDUIT TO NEW WALL MOUNTED BOX. INSTALL NEW 3 #8 CONDUCTORS. EXTEND EXISTING CIRCUIT.
- ② INSTALL NEW WALL MOUNTED 6" STEEL JUNCTION BOX FOR EXTENDED CIRCUITS. COVERS SHALL HAVE 1 RESISTANT SCREWS.
- ③ CUT EXISTING CONDUIT AND CAP. EXISTING CONDUCTORS BACK TO LIGHTING FIXTURE, ABOUT 75 FEET.
- ④ PROVIDE NEW 3/4" CONDUIT AND CONDUCTORS FROM THE FOUNDATION EXISTING FINDING SIGN STRUCTURE. EXTEND TO THE PLAZA ELECTRIC. CONNECT TO EXISTING SIGN STRUCTURE.
- ⑤ PROVIDE 2 COLORBURST6 AND 1 PDS-60 POWER/DATA SUPPLY FOR EACH COLUMN. EACH PDS-60 POWER/DATA SUPPLY SHALL BE DAISY CHAINED TOGETHER WITH 4 PAIR CONDUCTOR IN 1/2" FLEXIBLE CONDUIT AND EXTEND TO THE PLAZA ELECTRIC. EACH COLORBURST6 FIXTURE SHALL BE WIRING WITH 3 #14 CONDUCTORS IN 1/2" FLEXIBLE CONDUIT PER WIRING DIAGRAM ON SHEET E-5.
- ⑥ PROVIDE 2 COLORBURST6 AND 1 PDS-60 POWER/DATA SUPPLY FOR EACH COLUMN. EACH PDS-60 POWER/DATA SUPPLY SHALL BE DAISY CHAINED TOGETHER WITH 4 PAIR CONDUCTOR IN 1/2" FLEXIBLE CONDUIT AND EXTEND TO THE PLAZA ELECTRIC. EACH COLORBURST6 FIXTURE SHALL BE WIRING WITH 3 #14 CONDUCTORS IN 1/2" FLEXIBLE CONDUIT PER WIRING DIAGRAM ON SHEET F-5.

PARTIAL DWG IN W

LIGHTING FIXTURE SCHEDULE FOR GARAGE

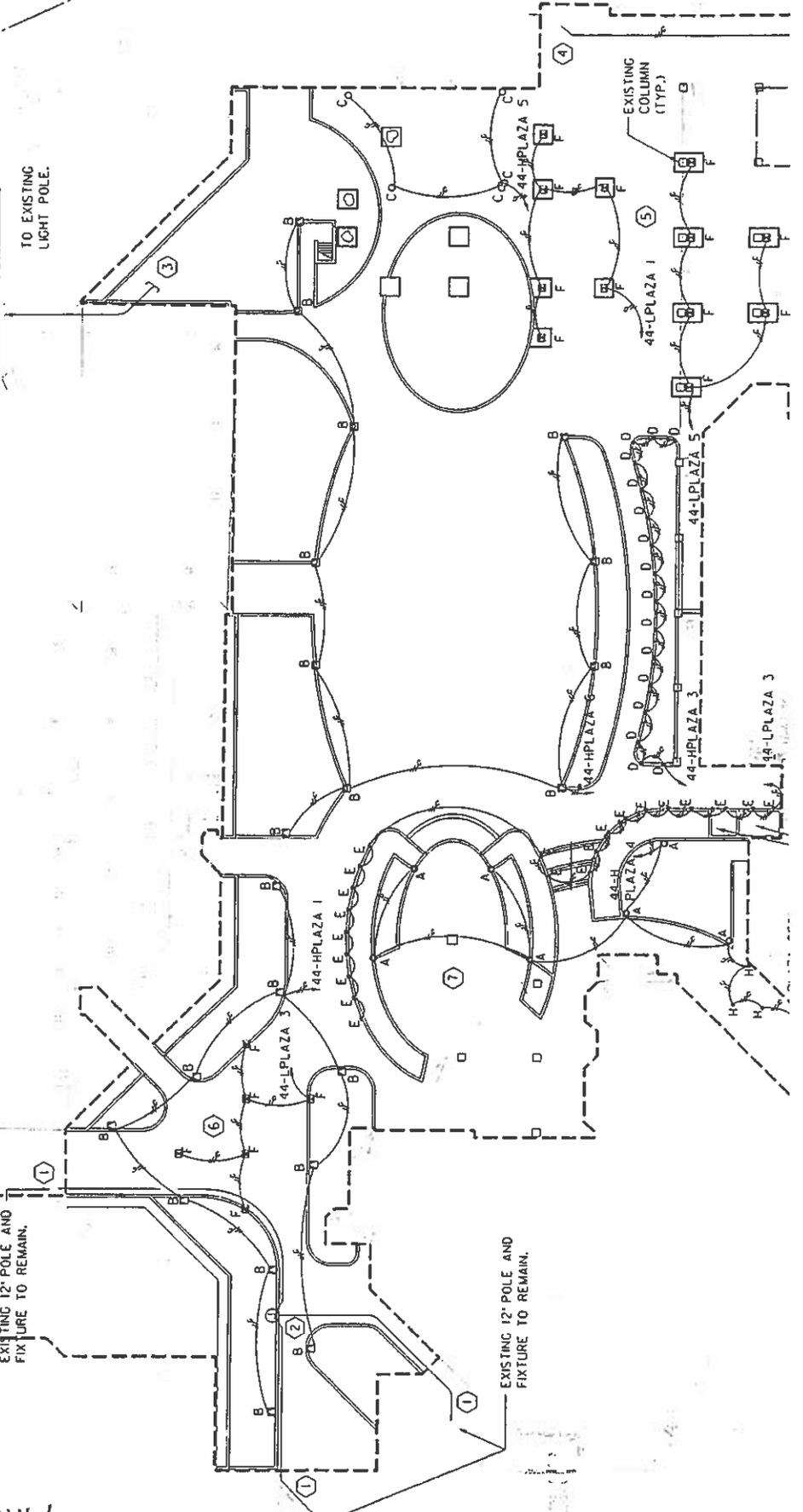
TYPE	MANUFACTURER	CATALOG NO.	LAMP TYPE	VOLTS	LAMPS	MTG	REMARKS	QUANTITY
A	CANTO	CC450G-150-M-7-1TRC-SG-N	MH	277V	150W	17'	METAL ROUND POLE	7
B	CANTO	CC600G-250-M-7-23RC-SG-N	MH	277V	250W	23'	METAL ROUND POLE	21
C	KIM	AFL11/100PMH277/PS/TM2/PS	MH	277V	100W	17', 23'	MOUNT ON SAIL POLES	5
D	CENTO	CN 280-35-MH-7-D-SG-SF	MH	277V	35W	BOLLARD	11" HEIGHT	16
E	BEGA	2225P	COMPACT FLUOR	120V	18W	12" AFC	RECESS INTO WALL.	21
F	PHILIPS COLOR KINETICS	COLOR BURST 6	LED	120V		SURFACE	2 PER COLUMN	36
G	LITHONIA	VSE - 3 32 GEBIORS	FLUOR	277V	2-32W T8	SURFACE	PROVIDE SUPPORT FROM STRUCTURE ABOVE	10
H	CENTO	CN 900-35-MH-7-D-SG-SF	MH	277V	35W	BOLLARD	36" HEIGHT	5
I	LITHONIA	IND 1236-W-H2012 UL1	HALOGEN	277V	2-20W	SURFACE	CONNECT AHEAD OF SWITCH	2

QUESTION 2

TO EXISTING LIGHT POLE.

EXISTING 12' POLE AND FIXTURE TO REMAIN.

EXISTING 12' POLE AND FIXTURE TO REMAIN.



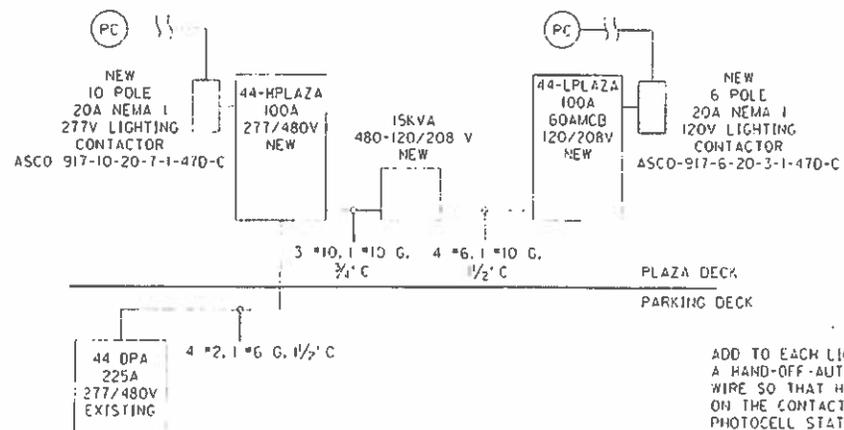
1 2 3 4 5 6 7 8



EXISTING PANELBOARD SCHEDULE																
EXISTING PANEL: '44-DPA'		LOCATION LEVEL 'B'			FEEDER: 4"4/0, 1"3G			MAINS: 225A MLO			A.I.C.: 30"					
VOLTAGE: 277/480V		PHASE: 3		WIRE: 4W		BUSSING: 225A		FED FROM: 44 BUILDING 5#B		MOUNTING: SURFACE						
DESCRIPTION	WIRING	COND	KVA			BRANCH BREAKER SIZE	CIR NO	ABC	CIR NO	BRANCH BREAKER SIZE	KVA			WIRING	COND.	DESCRIPTION
			A $\phi$	B $\phi$	C $\phi$						A $\phi$	B $\phi$	C $\phi$			
PANEL '44-HG-5A	4#6, 1"8G	1/4"	6.9	5.4	2.5	3/100	1	2	3/20	-	-	-	-	-	SPARE	
PANEL '44-HG-3A	4#2, 1"6G	1/4"	15.4		10.2	3/100	5	6	3/20	-	-	-	-	-	SPARE	
PANEL '44-HG-4A	4#2, 1"6G	1/4"	10.6		12.0	3/100	7	8	3/20	-	-	-	-	-	SPARE	
PANEL '44-HPLAZA	4#2, 1"6G	1/4"	7.89	7.81	8.85	3/100	9	10	3/20	-	-	-	-	-	SPACE	
SUBTOTALS:			40.79	37.01	33.55											
'A' PHASE TOTAL: 57.45			'B' PHASE TOTAL: 53.67			'C' PHASE TOTAL: 50.21										
TOTAL LOAD: 161.33KVA AT 1.73 x 480V			VOLTS, 3 PHASE, 4 WIRE 194 AMPS			LOCATED IN BUILDING 44 BASEMENT										
HIGH PHASE: 57.45 KVA AT 277			VOLTS, 1 PHASE 207.4 AMPS													
207.4 x 1.25 S.F. = 259.25A			→ 225A FEEDER AND MAIN													

EXISTING PANELBOARD SCHEDULE																
EXISTING PANEL: '41-DPA'		LOCATION LEVEL 'B1'			FEEDER: 4"4/0, *3G			MAINS: 225A MLO			A.I.C.: 30"					
VOLTAGE: 277/480V		PHASE: 3		WIRE: 4W		BUSSING: 225A		FED FROM: 41 BUILDING 5#B		MOUNTING: SURFACE						
DESCRIPTION	WIRING	COND	KVA			BRANCH BREAKER SIZE	CIR NO	ABC	CIR NO	BRANCH BREAKER SIZE	KVA			WIRING	COND.	DESCRIPTION
			A $\phi$	B $\phi$	C $\phi$						A $\phi$	B $\phi$	C $\phi$			
PANEL '41-HG-2A	4#2, 1"6G	1/4"	18.9	15.4	17.0	3/100	1	2	3/100	-	-	-	-	-	SPARE	
ADD BREAKER. FOUNTAIN EQUIPMENT	4#1/0, 1"6G	2"	22.8		22.8	3/150	3	4	3/20	-	-	-	-	-	SPARE	
SPARE	-	-	-	-	-	3/20	5	6	3/20	-	-	-	-	-	SPARE	
SPACE	-	-	-	-	-		7	8		-	-	-	-	-	SPACE	
SUBTOTALS:			41.7	38.2	40.4											
'A' PHASE TOTAL: 41.7			'B' PHASE TOTAL: 38.2			'C' PHASE TOTAL: 38.2										
TOTAL LOAD: 120.3 KVA AT 1.73 x 480V			VOLTS, 3 PHASE, 4 WIRE 144.86 AMPS			LOCATED IN BUILDING 41 BASEMENT										
HIGH PHASE: 41.7 KVA AT 277			VOLTS, 1 PHASE 150.5 AMPS													
150.5 x 1.25 S.F. = 188.17A			→ 225A FEEDER AND MAIN													

150 AMP BREAKER FOR FOUNTAIN EQUIPMENT SHALL BE SHUNT TRIP. CONNECT SHUNT TO THE FLOAT SWITCH PROVIDED WITH THE FOUNTAIN EQUIPMENT. RISING WATER SHALL TRIP THE BREAKER, KILLING POWER TO THE FOUNTAIN EQUIPMENT.



1 ONE LINE DIAGRAM NOT TO SCALE

ADD TO EACH LIGHTING CONTACTOR ENCLOSURE A HAND-OFF-AUTO SELECTOR SWITCH. (TIP, C WIRE SO THAT HAND POSITION TURNS ON THE CONTACTOR REGARDLESS OF PHOTOCELL STATUS. OFF TURNS OFF THE CONTACTOR REGARDLESS OF PHOTOCELL STATUS. AUTO ALLOWS THE PHOTOCELL TO CONTROL THE CONTACTOR.

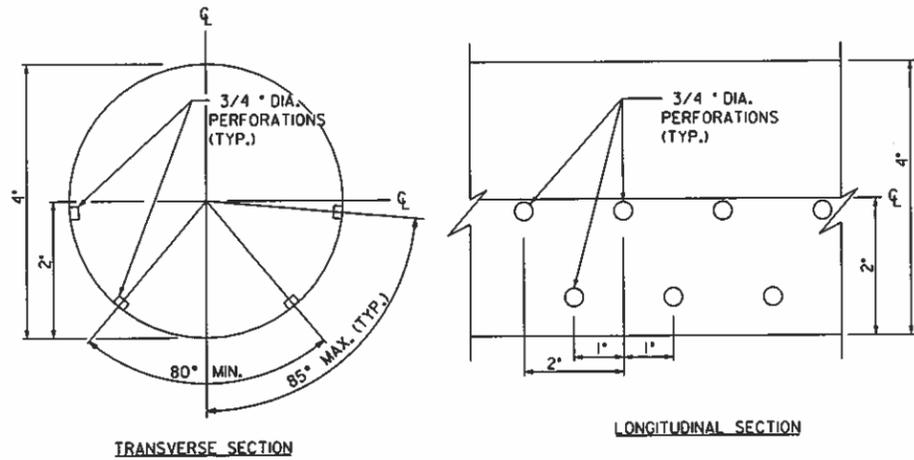
QUESTION 3  
PARTIAL E-6

## Attachment C

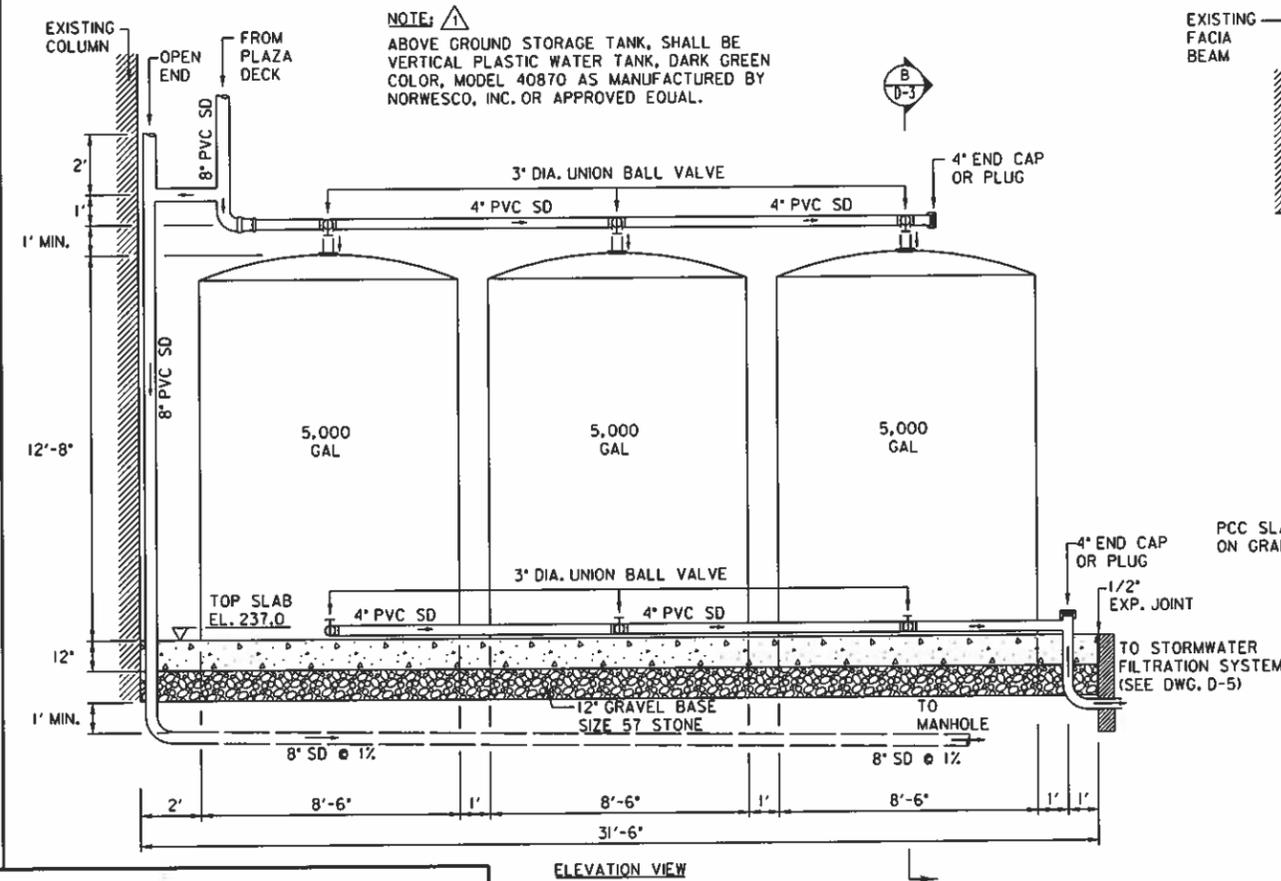
## **Renovation of Plaza Deck and Parking Garage**

### **Revised Drawings List**

- 1). Delete D-3, DRAINAGE DETAILS – 2, Sheet 18 of 109 and replace with updated D-3 DRAINAGE DETAILS;
- 1). Delete E-1, “LIGHTING SYMBOLS, ABBREVIATIONS, AND NOTES 1 OF 2”, Sheet 26 of 109 and replace with updated E-1, “LIGHTING SYMBOLS, ABBREVIATIONS, AND NOTES 1 OF 2”, Sheet 26 of 109;
- 2). Delete E-2, “LIGHTING SYMBOLS, ABBREVIATIONS, AND NOTES 2 OF 2”, Sheet 27 of 109  
E-3, “SITE LIGHTING PLAN”, Sheet 28 of 109 and replace with updated E-2, “LIGHTING SYMBOLS, ABBREVIATIONS, AND NOTES 2 OF 2”, Sheet 27 of 109  
E-3, “SITE LIGHTING PLAN”, Sheet 28 of 109;
- 3). Delete E-3 “Site Lighting Plan” and replace with updated E-3 Site Lighting Plan
- 4). Delete E-4, “LIGHTING NOTES AND DETAILS”, Sheet 29 of 109 and replace with E-4, “LIGHTING NOTES AND DETAILS”, Sheet 29 of 109
- 5). Delete E-5, “ELECTIR ROOM LAYOUT AND DETAILS”, Sheet 30 of 109 and replace with E-5, “ELECTIR ROOM LAYOUT AND DETAILS”, Sheet 30 of 109;
- 6). Delete E-6, “LIGHTING PANEL SCHEDULES AND ONE-LINE DIAGRAM”, Sheet 31 of 109 and replace with updated E-6, “LIGHTING PANEL SCHEDULES AND ONE-LINE DIAGRAM”, Sheet 31 of 109.

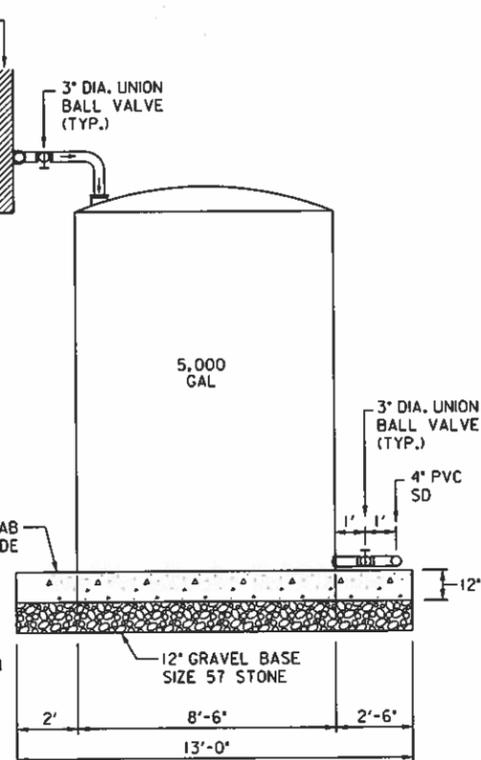


1 4" DIAMETER PERFORATED UNDERDRAIN  
NOT TO SCALE



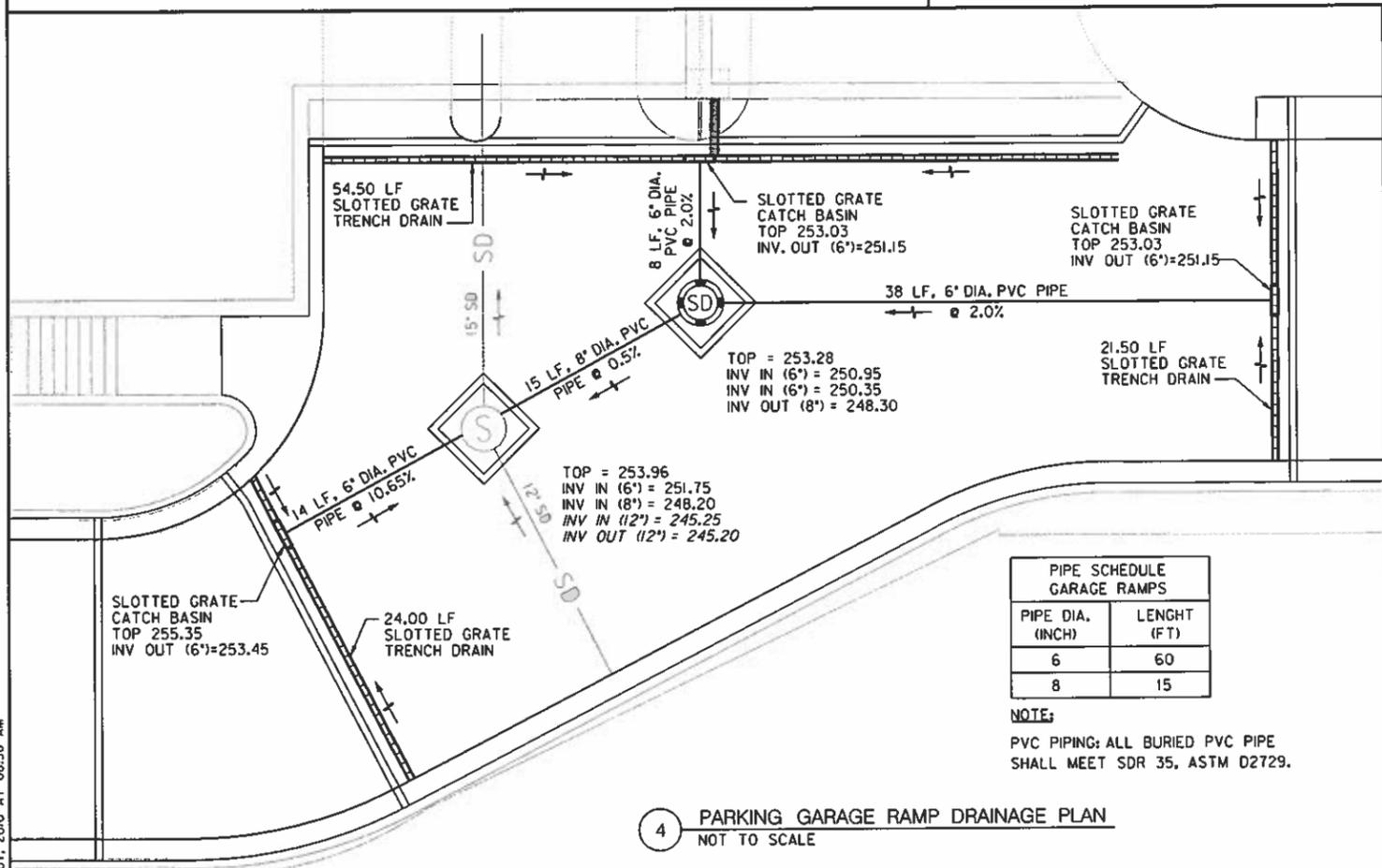
ELEVATION VIEW

2 ABOVE GROUND STORAGE TANK FACILITY NO. 2  
NOT TO SCALE



SECTION B-B

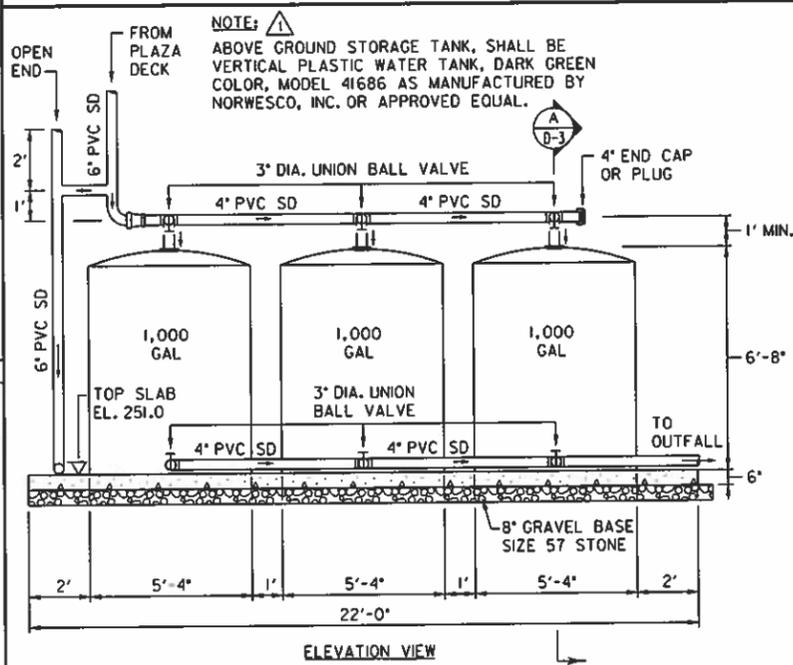
- NOTES:
- PVC PIPE AND FITTINGS SHALL BE PRESSURE RATED, ASTM D 1785, SDR 40.
  - EXPOSED PVC PIPE AND FITTINGS SHALL BE PAINTED FOR ULTRAVIOLET PROTECTION WITH ONE COAT OF WATER BASED LATEX PAINT, COLOR WHITE.



PIPE SCHEDULE GARAGE RAMPS	
PIPE DIA. (INCH)	LENGTH (FT)
6	60
8	15

NOTE:  
PVC PIPING; ALL BURIED PVC PIPE SHALL MEET SDR 35, ASTM D2729.

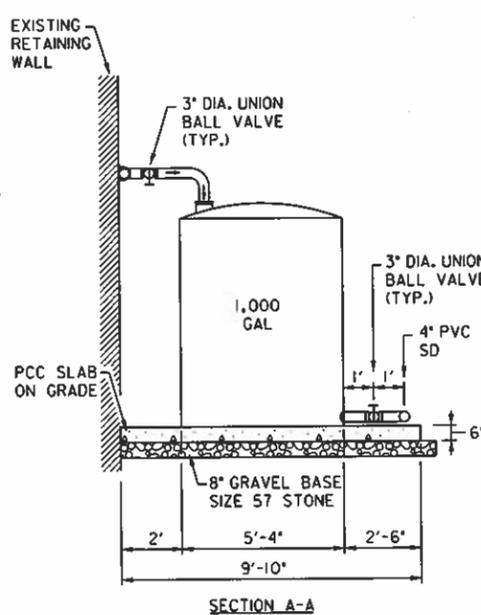
4 PARKING GARAGE RAMP DRAINAGE PLAN  
NOT TO SCALE



ELEVATION VIEW

- NOTES:
- PVC PIPE AND FITTINGS SHALL BE PRESSURE RATED, ASTM D 1785, SDR 40.
  - EXPOSED PVC PIPE AND FITTINGS SHALL BE PAINTED FOR ULTRAVIOLET PROTECTION WITH ONE COAT OF WATER BASED LATEX PAINT, COLOR WHITE.

3 ABOVE GROUND STORAGE TANK FACILITY NO. 1  
NOT TO SCALE



SECTION A-A

T:\67433 - UDC Plaza Deck & Garage\DC\GD-3.dgn  
Friday, May 07, 2010 AT 08:55 AM

DAVID VOLKERT & ASSOC. ENG. P.C.  
5028 WISCONSIN AVE. N.W., WASHINGTON, D.C. 20016

DISTRICT OF COLUMBIA  
GEORGE E. VALENTI  
No. 12482  
Professional Engineer

ENGINEER'S SEAL & SIGNATURE

UNIVERSITY OF THE DISTRICT OF COLUMBIA  
VAN NESS CAMPUS, N.W.

RENOVATION OF  
PLAZA DECK & PARKING GARAGE

DRAINAGE DETAILS - 2

Date	Revisions
05-06-10	

Drawn By: BM, SM  
Designed By: CV  
Checked By: CV, EW  
Date: MAY, 2010  
Scale: NONE  
Sheet: 18 of 109



ELECTRICAL NOTES CONT.

- 26. THE CONTRACTOR SHALL PROVIDE CONNECTION TO ALL EQUIPMENT REQUIRING POWER, VERIFY EXACT LOCATION AND TYPE OF CONNECTION. COORDINATE EXACT JUNCTION BOX AND POWER REQUIREMENTS FOR NEW EQUIPMENT WITH THE RESPECTIVE CONTRACTORS FURNISHING EQUIPMENT. SECURE CATALOG CUTS FOR EACH ITEM OF EQUIPMENT TO ENSURE CORRECT ROUGH-IN, REVISE CONNECTORS, RECEPTACLES, ETC. AS NEEDED TO SATISFY ALL REQUIREMENTS.
- 27. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR AND PAY FOR ANY DAMAGES CAUSED BY OR RESULTING FROM DEFECTS IN HIS WORK.
- 28. THE CONTRACTOR SHALL ARRANGE AND COORDINATE HIS INSPECTION WITH OTHER TRADES ASSOCIATED WITH THIS PROJECT. PROVIDE THE OWNER WITH ALL CERTIFICATES OF COMPLIANCE REQUIRED FOR OCCUPANCY PERMIT.
- 29. THE CONTRACTOR SHALL PROVIDE NEW PANELBOARDS, WIRING WITH CONDUIT AND OTHER ELECTRICAL WORK AS NECESSARY. RUN ALL CONDUITS TIGHT TO THE UNDERSIDE OF SLAB AND COORDINATE ROUTING WITH ALL OTHER TRADES.
- 30. ALL WIRING DEVICES INCLUDING SWITCHES SHALL MATCH THE BUILDING STANDARD AS APPROVED BY UDC.
- 31. ALL NEW OUTLETS SHALL BE INSTALLED ON CLEAR WALL SPACES. ITEMS IMPROPERLY LOCATED SHALL BE RELOCATED AS DIRECTED BY ARCHITECT/ENGINEER AT CONTRACTOR'S EXPENSE.
- 32. PROVIDE ALL REQUIRED TEMPORARY POWER AND LIGHTING TO SATISFY THE PROJECT CONDITIONS AND ALL SAFETY STANDARDS.
- 33. IDENTIFY ALL JUNCTION BOXES WITH THEIR CIRCUIT NUMBER, PANEL AND SYSTEM VOLTAGE.
- 34. LIGHTING CONTROL: PROVIDE ALL REQUIRED EQUIPMENT INCLUDING
  - a) CONTACTOR ASCO 917, NEMA 1, 120V COIL WITH REQUIRED NO. OF POLES.
  - b) TIME CLOCK BY TORK DZS200.
  - c) PHOTO CELL BY TORK 3010.
- 35. COORDINATION OF THE OWNERS EQUIPMENT INSTALLERS: THE ELECTRICAL INFORMATION SHOWN IS FOR PERMIT. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S EQUIPMENT INSTALLER THE EXACT ELECTRICAL REQUIREMENTS REQUIRED BY THE MANUFACTURER FOR A COMPLETE WIRING SYSTEM.
- 36. THE DRAWINGS ARE DIAGRAMMATIC AND REFLECT THE INTENT OF THIS PROJECT. THE CONTRACTOR SHALL REVIEW ALL DOCUMENTS BEFORE RENDERING HIS BID AND SHALL MAKE PROVISION FOR ALL MODIFICATIONS REQUIRED IN THE ELECTRICAL DESIGN. ADDITIONAL COST RELATED TO THE INSTALLATION, RELOCATION, MODIFICATION OR ADDITION OF EQUIPMENT REQUIRED TO SATISFY THE INTENT OF THIS PROJECT WILL NOT BE ACCEPTED.
- 37. FOR ADDITIONAL INFORMATION SEE CONTRACT SPECIFICATIONS.
- 38. IDENTIFY ALL PANELS, TRANSFORMERS, DISTR. PANELS, DISCONNECT SWITCHES, CONTROLLERS, RECEPTACLES, SWITCHES, ETC. PROVIDE NAME, SOURCE AND LOAD ON PHENOLIC PLATES. COORDINATE WITH ARCHITECT.
- 39. CONTRACTOR SHALL COORDINATE LOCATION AND ELECTRICAL CHARACTERISTICS OF EQUIPMENT TO SUIT ACTUAL EQUIPMENT BEING PROVIDED.
- 40. PROVIDE ALL ADDITIONAL WIRES REQUIRED FOR SWITCHING AND CONTROL FUNCTIONS INDICATED OR REQUIRED. INCREASE ASSOCIATED CONDUIT SIZE ACCORDINGLY.
- 41. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH WORK OF OTHER PROJECTS AND TRADES TO AVOID PHYSICAL INTERFERENCES OR IMPROPER INSTALLATION. FAILURE TO DO SO SHALL BE CAUSE FOR CONTRACTOR TO REMOVE AND REINSTALL HIS WORK AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 42. BIDDERS SHALL VERIFY LOCAL CODE REQUIREMENTS PRIOR TO BID SUBMITTAL AND SHALL INCLUDE ALL COSTS FOR COMPLETE COMPLIANCE WITH SAME.
- 43. VERIFY FIELD CONDITIONS FOR HEADROOM, ROOM FINISHES, FURRED CEILINGS, EXACT LOCATIONS OF FIXTURES, EQUIPMENT, OUTLETS, ETC.
- 44. FOR 120 VOLT CIRCUITS 100' OR OVER CONTRACTOR SHALL PROVIDE AND INSTALL #10 AWG WIRING THROUGHOUT THE CIRCUIT. FOR RUNS OVER 175', PROVIDE #8 AWG WIRING. FOR RUNS OVER 200', PROVIDE #8 AWG WIRING.
- 45. IDENTIFY ALL NEW JUNCTION BOXES.

PANELBOARD NOTES

- 1. PANELBOARDS SHALL BE PROVIDED WITH COPPER BUSSES. S/N EQUIPMENT GROUND BUS, ISOLATED GROUND BUS AND BOLT-ON CIRCUIT BREAKERS.
- 2. PANELBOARDS SHALL BE EQUIPPED WITH DOOR IN DOOR FRAME, MANUFACTURER'S NAME PLATE WITH CHARACTERISTICS AND ALL KEYS ALIKE.
- 3. CONTRACTOR SHALL VERIFY MOUNTING OF ALL PANELBOARDS PRIOR TO RELEASE FOR FABRICATION.
- 4. PANELBOARDS SHALL BE SUITABLE FOR SURFACE MOUNTING.
- 5. PANELBOARDS SHALL BE PROVIDED WITH A TYPEWRITTEN DIRECTORY. HANDWRITTEN LABELS ARE NOT ACCEPTABLE.
- 6. PANELBOARDS SHALL BE PROVIDED WITH PHENOLIC PLASTIC ETCHED NAMEPLATES WITH THE FOLLOWING:
  - (1) PANEL DESIGNATION
  - (2) PANEL SOURCE OF SUPPLY WITH CIRCUIT NUMBER
  - (3) PANEL FEEDER SIZE
- 7. CONTRACTOR SHALL CHECK ALL PANELBOARD BUSSES FOR UNBALANCED CONDITIONS AND BALANCE PANEL BETWEEN PHASES AS CLOSE AS POSSIBLE. SUBMIT AMPERE READING FOR EACH PANEL BOARD TO ELECTRICAL ENGINEER FOR REVIEW AND APPROVAL.
- 8. FAULT CURRENT RATING
  - a) PANELBOARD 65K UON
- 9. DO NOT LOCATE PANELBOARDS UNDER DUCTWORK OR PIPING. RELOCATE AS NECESSARY.

BASIC MATERIALS AND METHODS

- 1. NEW WIRING SHALL RUN IN CONDUIT WITH A MINIMUM TRADE SIZE OF 1/2" INCH (UON).
- 2. MOTORS AND VIBRATING EQUIPMENT SHALL BE CONNECTED WITH A SHORT (APPROXIMATELY TWO (2) FEET) LENGTH OF LIQUID TIGHT FLEXIBLE METAL CONDUIT (UON).
- 3. FITTINGS, COUPLINGS AND ACCESSORIES SHALL BE COMPATIBLE WITH THE CONDUIT MATERIAL.
- 4. PULL AND JUNCTION BOXES SHALL BE PROVIDED WHERE INDICATED AND REQUIRED OF THE TYPE AND SIZE FOR THE INSTALLATION OF THE ELECTRICAL SYSTEM AND SHALL BE ACCESSIBLE. PROVIDE ACCESS PANELS AS REQUIRED BY CODES.
- 5. IN EMPTY CONDUITS (EC), INSTALL A No.12 THHN OR NYLON PULL WIRE.
- 6. ALL CIRCUIT CONDUCTORS SHALL BE MARKED OR TAGGED IN THE PANELBOARDS AND CONTROL PANELS TO IDENTIFY ITEMS SERVED AND THEIR LOCATION.
- 7. ALL THE BOXES AND CONDUCTORS SHALL BE MARKED TO INDICATE THE VOLTAGE, CIRCUIT NUMBERS AND TYPE OF SYSTEM.
- 8. EQUIPMENT, ELECTRICAL ITEMS AND APPURTENANCES REQUIRING INSPECTION, MAINTENANCE OR MANUAL OPERATION SHALL NOT BE INSTALLED IN INACCESSIBLE LOCATIONS. PROVIDE ACCESS PANELS AS NEEDED.
- 9. TEST ALL EQUIPMENT, DEVICES, APPURTENANCES, SYSTEMS, WIRING, ETC., USED. REPLACE ANY AND ALL DEFECTIVE EQUIPMENT, DEVICES, APPURTENANCES, SYSTEMS, WIRING, ETC., BEFORE COMPLETION OF PROJECT.
- 10. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE CONDITIONS WHICH MAY AFFECT THE BID.
- 11. WORK MAY NEED TO BE RELOCATED AS NECESSARY TO ACCOMMODATE FIELD CONDITIONS.
- 12. ALL CONDUITS IN THE GARAGE SHALL BE INSTALLED EXPOSED.
- 13. IN AREAS WHERE THE CONTRACTOR SUSPECTS THE PRESENCE OF ASBESTOS, THE CONTRACTOR SHALL HAVE THE AREA TESTED BY A REPUTABLE ASBESTOS COMPANY. IF ASBESTOS IS PRESENT THE INSTALLATION SHALL BE MADE SO THAT THE EXISTING ASBESTOS WILL NOT BE DISTURBED. IF THE INSTALLATION IS NOT POSSIBLE THE CONTRACTOR SHALL NOTIFY UDC. UDC WILL ASSIGN AN ASBESTOS REMOVAL CONTRACTOR TO REMOVE THE ASBESTOS. THE CONTRACTOR THEN WILL BE ALLOWED TO PROCEED WITH HIS INSTALLATION. ALL COSTS AND DELAYS DUE TO THIS PROCEDURE SHALL BE INCLUDED IN THE ORIGINAL BID PROPOSAL. NO EXTRAS WILL BE ALLOWED FOR THIS PROCEDURE.
- 14. COORDINATE LOCATION OF ALL EQUIPMENT WITH EXISTING CONDITIONS, RELOCATE AS NECESSARY.
- 15. WIRE, CONNECT AND ENERGIZE ALL DEVICES AS REQUIRED.
- 16. WHERE CONCEALMENT IS NOT POSSIBLE, PAINT NEW CONDUITS TO MATCH EXISTING FINISHES.
- 17. ALL FIXTURES EXCEPT TYPE G SHALL BE U.L. LISTED FOR 'WET LOCATION'.

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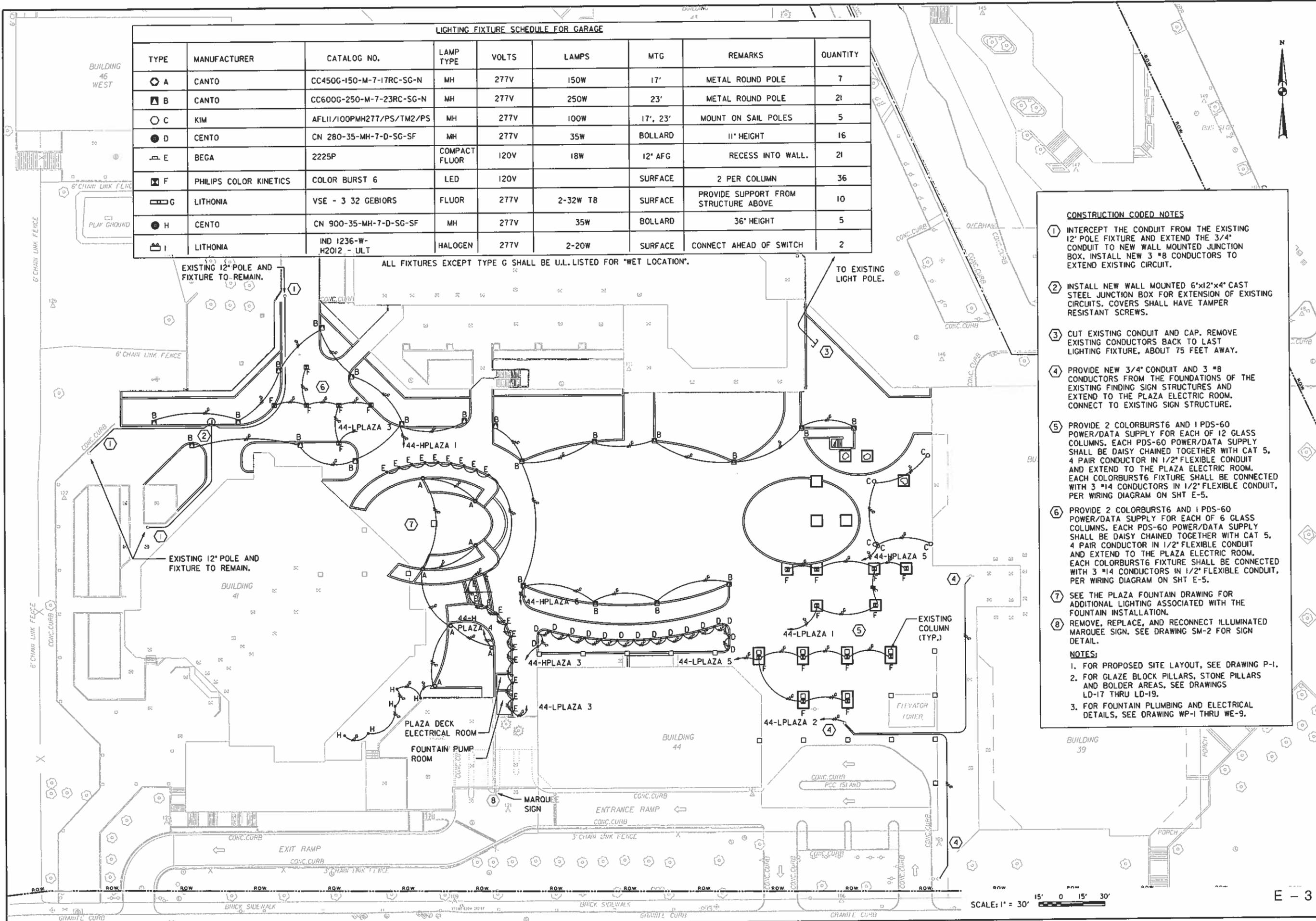
LIGHTING SYMBOLS, ABBREVIATIONS AND NOTES (2 OF 2)

UNIVERSITY OF THE DISTRICT OF COLUMBIA  
 VAN NESS CAMPUS, N.W.  
 RENOVATION OF PLAZA DECK & PARKING GARAGE

Date	Revisions
Drawn By	MHD
Designed By	lshp
Checked By	Chr
Date	MAY 6, 2010
Scale	NONE
Sheet	27 of 109

LIGHTING FIXTURE SCHEDULE FOR GARAGE								
TYPE	MANUFACTURER	CATALOG NO.	LAMP TYPE	VOLTS	LAMPS	MTG	REMARKS	QUANTITY
⬠ A	CANTO	CC450G-150-M-7-17RC-SG-N	MH	277V	150W	17'	METAL ROUND POLE	7
⬠ B	CANTO	CC600G-250-M-7-23RC-SG-N	MH	277V	250W	23'	METAL ROUND POLE	21
○ C	KIM	AFL11/100PMH277/PS/TM2/PS	MH	277V	100W	17', 23'	MOUNT ON SAIL POLES	5
● D	CENTO	CN 280-35-MH-7-D-SG-SF	MH	277V	35W	BOLLARD	11" HEIGHT	16
⌞ E	BEGA	2225P	COMPACT FLUOR	120V	18W	12" AFG	RECESS INTO WALL.	21
⊠ F	PHILIPS COLOR KINETICS	COLOR BURST 6	LED	120V		SURFACE	2 PER COLUMN	36
⌞ G	LITHONIA	VSE - 3 32 GEBIORS	FLUOR	277V	2-32W T8	SURFACE	PROVIDE SUPPORT FROM STRUCTURE ABOVE	10
● H	CENTO	CN 900-35-MH-7-D-SG-SF	MH	277V	35W	BOLLARD	36" HEIGHT	5
⌞ I	LITHONIA	IND 1236-W-H2012 - ULT	HALOGEN	277V	2-20W	SURFACE	CONNECT AHEAD OF SWITCH	2

ALL FIXTURES EXCEPT TYPE G SHALL BE U.L. LISTED FOR 'WET LOCATION'.



- CONSTRUCTION CODED NOTES**
- INTERCEPT THE CONDUIT FROM THE EXISTING 12' POLE FIXTURE AND EXTEND THE 3/4" CONDUIT TO NEW WALL MOUNTED JUNCTION BOX. INSTALL NEW 3 #8 CONDUCTORS TO EXTEND EXISTING CIRCUIT.
  - INSTALL NEW WALL MOUNTED 6"x12"x4" CAST STEEL JUNCTION BOX FOR EXTENSION OF EXISTING CIRCUITS. COVERS SHALL HAVE TAMPER RESISTANT SCREWS.
  - CUT EXISTING CONDUIT AND CAP. REMOVE EXISTING CONDUCTORS BACK TO LAST LIGHTING FIXTURE, ABOUT 75 FEET AWAY.
  - PROVIDE NEW 3/4" CONDUIT AND 3 #8 CONDUCTORS FROM THE FOUNDATIONS OF THE EXISTING FINDING SIGN STRUCTURES AND EXTEND TO THE PLAZA ELECTRIC ROOM. CONNECT TO EXISTING SIGN STRUCTURE.
  - PROVIDE 2 COLORBURST6 AND 1 PDS-60 POWER/DATA SUPPLY FOR EACH OF 12 GLASS COLUMNS. EACH PDS-60 POWER/DATA SUPPLY SHALL BE DAISY CHAINED TOGETHER WITH CAT 5, 4 PAIR CONDUCTOR IN 1/2" FLEXIBLE CONDUIT AND EXTEND TO THE PLAZA ELECTRIC ROOM. EACH COLORBURST6 FIXTURE SHALL BE CONNECTED WITH 3 #14 CONDUCTORS IN 1/2" FLEXIBLE CONDUIT, PER WIRING DIAGRAM ON SHT E-5.
  - PROVIDE 2 COLORBURST6 AND 1 PDS-60 POWER/DATA SUPPLY FOR EACH OF 6 GLASS COLUMNS. EACH PDS-60 POWER/DATA SUPPLY SHALL BE DAISY CHAINED TOGETHER WITH CAT 5, 4 PAIR CONDUCTOR IN 1/2" FLEXIBLE CONDUIT AND EXTEND TO THE PLAZA ELECTRIC ROOM. EACH COLORBURST6 FIXTURE SHALL BE CONNECTED WITH 3 #14 CONDUCTORS IN 1/2" FLEXIBLE CONDUIT, PER WIRING DIAGRAM ON SHT E-5.
  - SEE THE PLAZA FOUNTAIN DRAWING FOR ADDITIONAL LIGHTING ASSOCIATED WITH THE FOUNTAIN INSTALLATION.
  - REMOVE, REPLACE, AND RECONNECT ILLUMINATED MARQUEE SIGN. SEE DRAWING SM-2 FOR SIGN DETAIL.
- NOTES:**
- FOR PROPOSED SITE LAYOUT, SEE DRAWING P-1.
  - FOR GLAZE BLOCK PILLARS, STONE PILLARS AND BOLDER AREAS, SEE DRAWINGS LD-17 THRU LD-19.
  - FOR FOUNTAIN PLUMBING AND ELECTRICAL DETAILS, SEE DRAWING WP-1 THRU WE-9.

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SITE LIGHTING PLAN

UNIVERSITY OF THE DISTRICT OF COLUMBIA  
VAN NESS CAMPUS, N.W.  
RENOVATION OF PLAZA DECK & PARKING GARAGE

Date	Revisions

Drawn By: MHD  
 Designed By: MHD  
 Checked By: CHR  
 Date: MAY 6, 2010  
 Scale: 1" = 30'  
 Sheet: 28 of 109

SCALE: 1" = 30'





