AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT	1. Contract Number	Page of Pages 1	17

2. Amendment/Modification Number	3. Effective Date	4. Requisition/Purchase Request No.	5. Solicitation Caption
A03	See box 16		DC PLUG-Feeder 308 Undergrounding

6. Issued by: Code	7. Administered by (If other than line 6)
Government of the District of Columbia Department of Transportation 55 M Street SE, Suite 700 Washington, DC 20003	

8. Name and Address of Bidder (No. street, city, county, state and zip code)		
	X	9A. Amendment of Solicitation No. DCKA-2015-B-0042
		9B. Dated (See Item 11) 9/4/15
		10A. Modification of Contractor/Order No.
Code Facility		10B. Dated (See Item 13)

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☒ is extended. ☐ 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 __1___ copy 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 ACKNOWLEDGMENT 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 may be made by letter or fax, provided each letter or fax 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):

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTORS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14

	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 data etc.) set forth in item 14, pursuant to the authority of 27 DCMR, Chapter 36, Section 3601.3.
	C. This supplemental agreement is entered into pursuant to authority of:
	D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not ☐ 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.)

1. Page 1, Section A, Solicitation, Offer and Award form, block 9, is amended to change the bid closing date to from 11/3/15 to 11/10/15.

2. Page 60, Section L.4 Bid Submission, Date and Time is amended as follows:

L.4 BID SUBMISSION DATE AND TIME

Bids must be submitted no later than 2:00pm local time on ~~November 3, 2015~~ **November 10, 2015** as specified in Section A.9.

Continued on Page 2

Except as provided herein, all terms and conditions of the document referenced in Item 9A remain unchanged and in full force and effect.

15A. Name and Title of Signer (Type or print)		16A. Name of Contracting Officer Steven H. Wishod	
15B. Name of Bidder (Signature)	15C. Date Signed	16B. District of Columbia (Signature of Contracting Officer)	16C. Date Signed

3. See attached plan sheets C-6 through C-10, C-17, C-19, C-20, C-26, C-30, and C-47 with manhole, ductbank, and quantity revisions.

4. Pages 8R, 9R and 10R, Section B, Schedule of Items are amended to update the following items with the attached schedule of items pages 8RR, 9RR, 10RR which incorporates the following items:

   - **Line No.: 0480, Item Description: 614993 - Electrical Work Special Item-EACH – Special Item 620062 Install Precast SDWLK UG Switch MH 6'x18' (All Depths)- Quantity change from 4 to 3**
   - **Line No.: 0490, Item Description: 614993 - Electrical Work Special Item-EACH – Special Item 620063 Install Precast Roadway MH 6'x12' (All Depths) – Quantity change from 16 to 14**
   - **Line No.: 0500, Item Description: 614993 - Electrical Work Special Item-EACH – Special Item 620064 Install Precast Roadway MH 4.5'x6' (All Depths) – Quantity change from 40 to 35**
   - **Line No.: 0530, Item Description: 614993 - Electrical Work Special Item-EACH – Special Item 620068 Cast-In-Place Roadway MH 4.5'x6' (All Depths) – Quantity change from 2 to 7**
   - **Line No.: 0550, Item Description: 614993 - Electrical Work Special Item-EACH – Special Item 620082 Install A Concrete Well Casing 3.5' I.D. x 6.5' H – Quantity change from 46 to 45**
   - **Line No.: 0580, Item Description: 614995 - Electrical Work Special Item-LF – Special Item 620069 Install 2 WAY Conduit – 4" PVC (All Depths) – Quantity change from 2296 to 2268**
   - **Line No.: 0590, Item Description: 614995 - Electrical Work Special Item-LF – Special Item 620070 Install 4 WAY Conduit – 4" PVC (All Depths) – Quantity change from 11213 to 11132**

5. Page 38, Section I.8, Insurance is amended as follows:

   Delete the following:

   ~~6.Architect's and Engineer's Errors and Omissions Liability Insurance. Limits of $1,000,000 per claim.~~

   ~~7.Professional Liability Insurance (Errors & Omissions). The Contractor shall provide Professional Liability Insurance (Errors and Omissions) to cover liability resulting from any error or omission in the performance of professional services under this Contract. The policy shall provide limits of $1,000,000 per occurrence for each wrongful act and $2,000,000 annual aggregate~~.

6. Page 48, J.15 “U.S. Department of Labor Wage Determination No. 150001” has been updated to the following:

   General Wage Decision 150001, Modification No. 15, dated 10/09/2015. (see attached)

CONTRACT ID: KA2015B0042 PROJECT(S): N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
0470	614993 Electrical Work Special Item -EACH- SPECIAL ITEM 620 061 CONSTRUCT A CAST-IN-PLACE S/W UG SWITCH M/H OVER EXISTING	1.000 EACH	.		.	
0480	614993 Electrical Work Special Item -EACH- SPECIAL ITEM 620 062 INSTALL PRECAST SDWLK UG SWITCH MH 6'X18' (ALL DEPTHS)	3.000 EACH	.		.	
0490	614993 Electrical Work Special Item -EACH- SPECIAL ITEM 620 063 INSTALL PRECAST ROADWAY MH 6'X12' (ALL DEPTHS)	14.000 EACH	.		.	
0500	614993 Electrical Work Special Item -EACH- SPECIAL ITEM 620 064 INSTALL PRECAST ROADWAY MH 4.5'X6' (ALL DEPTHS)	35.000 EACH	.		.	
0510	614993 Electrical Work Special Item -EACH- SPECIAL ITEM 620 066 CAST-IN-PLACE SDWLK UG SWITCH MH 6'X18' (ALL DEPTHS)	1.000 EACH	.		.	
0520	614993 Electrical Work Special Item -EACH- SPECIAL ITEM 620 067 CAST-IN-PLACE ROADWAY MH 6'X12 (ALL DEPTHS)	2.000 EACH	.		.	

CONTRACT ID: KA2015B0042 PROJECT(S): N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
0530	614993 Electrical Work Special Item -EACH- SPECIAL ITEM 620 068 CAST-IN-PLACE ROADWAY MH 4.5'X6' (ALL DEPTHS)	7.000 EACH	.		.	
0540	614993 Electrical Work Special Item -EACH- SPECIAL ITEM 620 081 INSTALL A PRECAST TAPHOLE 3.5'(L)X3. 5'(W)X4'(H)	6.000 EACH	.		.	
0550	614993 Electrical Work Special Item -EACH- SPECIAL ITEM 620 082 INSTALL A PRECAST CONCRETE WELL CASING 3. 5' I.D.X6.5' H	45.000 EACH	.		.	
0560	614993 Electrical Work Special Item -EACH- SPECIAL ITEM 620 092 INSTALL FG STREET LIGHT SPLICE BOX (13"W X 24" D X 24" H)	1.000 EACH	.		.	
0570	614993 Electrical Work Special Item -EACH- SPECIAL ITEM 620 094 INSTALL FIBERGLASS PAD MOUNTED TRANSFO. BASE 4' - 3"X4' - 8	4.000 EACH	.		.	
0580	614995 Electrical Work Special Item -LF- SPECIAL ITEM 620 069 INSTALL 2 WAY CONDUIT - 4" PVC (ALL DEPTHS)	2268.000 LF	.		.	

CONTRACT ID: KA2015B0042 PROJECT(S): N/A

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
0590	614995 Electrical Work Special Item -LF- SPECIAL ITEM 620 070 INSTALL 4 WAY CONDUIT - 4" PVC (ALL DEPTHS)	11132.000 LF	.		.	
0600	614995 Electrical Work Special Item -LF- SPECIAL ITEM 620 071 INSTALL 6 WAY CONDUIT - 4" PVC (ALL DEPTHS)	11.000 LF	.		.	
0610	614995 Electrical Work Special Item -LF- SPECIAL ITEM 620 072 INSTALL 8 WAY CONDUIT - 4" PVC (ALL DEPTHS)	536.000 LF	.		.	
0620	614995 Electrical Work Special Item -LF- SPECIAL ITEM 620 074 INSTALL 2 WAY CONDUIT - 5" FIBERGLASS (ALL DEPTHS)	2646.000 LF	.		.	
0630	614995 Electrical Work Special Item -LF- SPECIAL ITEM 620 075 INSTALL 8 WAY CONDUIT - 5" FIBERGLASS (ALL DEPTHS)	3053.000 LF	.		.	
0640	614995 Electrical Work Special Item -LF- SPECIAL ITEM 620 076 INSTALL 4 WAY CONDUIT - 5" FIBERGLASS (ALL DEPTHS)	2318.000 LF	.		.	

General Decision Number: DC150001 10/09/2015 DC1

Superseded General Decision Number: DC20140001

State: District of Columbia

Construction Types: Heavy (Heavy and Sewer and Water Line) and Highway

County: District of Columbia Statewide.

HEAVY CONSTRUCTION PROJECTS (Including Sewer and Water Lines); HIGHWAY CONSTRUCTION PROJECTS

Note: Executive Order (EO) 13658 establishes an hourly minimum wage of $10.10 for 2015 that applies to all contracts subject to the Davis-Bacon Act for which the solicitation is issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.10 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/02/2015
1	01/09/2015
2	03/06/2015
3	05/01/2015
4	05/08/2015
5	06/05/2015
6	06/12/2015
7	06/26/2015
8	07/03/2015
9	07/17/2015
10	08/07/2015
11	08/14/2015
12	09/11/2015
13	09/18/2015
14	10/02/2015
15	10/09/2015

ASBE0024-001 10/01/2013

	Rates	Fringes
Asbestos Worker/Heat and Frost Insulator Includes the application of all insulating materials, protective coverings, coatings and finishes to all types of mechanical systems	$ 33.13	13.76

ASBE0024-002 10/09/2013

	Rates	Fringes

HAZARDOUS MATERIAL HANDLER
Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials, whether they contain asbestos or not, from mechanical systems.....$ 20.86 5.46

ASBE0024-005 10/01/2013

	Rates	Fringes
Fire Stop Technician.....	$ 26.06	5.90

Includes the application of materials or devices within or around penetrations and openings in all rated wall or floor assemblies, in order to prevent the pasage of fire, smoke of other gases. The application includes all components involved in creating the rated barrier at perimeter slab edges and exterior cavities, the head of gypsum board or concrete walls, joints between rated wall or floor components, sealing of penetrating items and blank openings.

BOIL0193-001 01/01/2014

	Rates	Fringes
Boilermakers:.....	$ 38.07	22.58

BRDC0001-001 05/03/2015

	Rates	Fringes
Bricklayer.....	$ 30.36	9.69

BRMD0001-004 05/03/2015

	Rates	Fringes
BRICKLAYER		
Refractory (Firebrick).....	$ 36.62	9.85

CARP0132-001 05/01/2015

	Rates	Fringes
Carpenter/Lather.....	$ 27.56	9.08
Piledriver.....	$ 26.79	8.85

CARP1831-001 04/01/2013

	Rates	Fringes
MILLWRIGHT.....	$ 31.59	8.58

CARP2311-002 05/01/2013

	Rates	Fringes
DIVER TENDER.....	$ 29.00	8.15
DIVER.....	$ 37.74	8.15

ELEC0026-001 06/01/2015

	Rates	Fringes
Electricians	$ 42.80	15.33

ELEC0070-001 05/04/2015

	Rates	Fringes
Line Construction:		
Cable Splicers	$ 35.35	19%+5.00
Equipment Operators	$ 35.35	19%+5.00
Groundmen	$ 16.44	19%+5.00
Linemen	$ 35.35	19%+5.00
Truck Driver	$ 18.69	19%+5.00

ENGI0077-001 05/01/2015

	Rates	Fringes
Power equipment operators: (HEAVY AND HIGHWAY CONSTRUCTION)		
GROUP 1	$ 35.91	8.65+a
GROUP 2	$ 34.36	8.65+a
GROUP 3	$ 32.71	8.65+a
GROUP 4	$ 29.30	8.65+a
GROUP 5	$ 25.28	8.65+a
GROUP 6	$ 23.23	8.65+a
GROUP 7	$ 36.75	8.65+a

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Tower Cranes and Cranes 100 ton and over.

GROUP 2: 35 ton cranes & above, derricks, concrete boom pump, drill rigs (+50,000 lbs torque), mole.

GROUP 3: Cranes, hoists, drill rigs (under 50,000 lbs torque), tie back machines, paving mixers, tunnel shovels, batch plants, shields, tunnel mining machines, draglines, mucking machines, graders in tunnels, pile driving engines, welder, horizontal directional drill operator, Tug boats.

GROUP 4: Front end loaders, boom trucks, backhoes, excavators, gradalls, power driven wheel scoops & scrapers, blade graders, motor graders, bulldozers, trenching machines, ballast regulator,hoe ram, locomotive (standard, narrow gauge, tuggers).

GROUP 5: Boilers (skelton), asphalt spreaders, bullfloat finishing machines, concrete finishing machines, concrete spreaders,concrete mixer, concrete pump, well points, hydraulic pumps, elevators, freeze uniits, tunnel motorman or dinky operator, conveyors, grout pump, fireman, ultra high pressure water jet cutting tool system operator/mechanic, horizontal directional drill locator, skid steers (fine grading), High lifts (lull type lifts).

GROUP 6: Fork lifts, ditch witch, bobcat, skid steer, space heaters, sweepers, assistant engineers, oilers, service unit equipment, roller.

GROUP 7: Master mechanic.

a. PAID HOLIDAYS: New Years Day, Inaugural Day, Decoration Day, Independence Day, Labor Day, Martin Luther King's Birthday, Veterans' Day, Thanksgiving Day, Friday after Thanksgiving and Christmas Day.

ENGI0077-002 06/01/2015

	Rates	Fringes
Power equipment operators: (PAVING AND INCIDENTAL GRADING)		
GROUP 1	$ 28.99	7.35
GROUP 2	$ 25.85	7.35
GROUP 3	$ 22.24	7.35
GROUP 4	$ 20.00	7.35
GROUP 5	$ 29.70	7.15

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Gradall operator, Crane.
GROUP 2: Boom Truck, Milling Machine, Excavator, Rubber Tire Backhoe, Asphalt Paver, Asphalt Plant Engineer, Motor Grader, Track Loader, Rubber Tire Loader, Track Dozer, Concrete Paver.
GROUP 3: Broom Truck, Asphalt Roller.
GROUP 4: Air Compressor, Grade Rollers.
GROUP 5: Mechanic.

ENGI0077-003 07/01/2015

	Rates	Fringes
Power equipment operators: (SEWER, GAS AND WATER LINE CONSTRUCTION)		
GROUP 1	$ 25.60	7.35+a
GROUP 2	$ 25.20	7.35+a
GROUP 3	$ 24.69	7.35+a
GROUP 4	$ 24.37	7.35+a
GROUP 5	$ 23.55	7.35+a

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Excavators, Cranes, Gradalls.

GROUP 2: Backhoes, Front-end Loaders, Fork alift/Lull, Bulldozers, Motor Graders. Qualified Mechanics, Hydraulic Tamper and Hoe Pack, Paving Mixers, Pile Driving Engines, Batch Plant, Concrete Pumps, Low-Boy Driver, Lube Truck.

GROUP 3: Trenching Machine, Well Drilling Machines, Concrete Mixers, Motor Graders, Truck Driver.

GROUP 4. Roller, Air Compressors, Pumps, Welding Machines, Well Points, Firemen.

GROUP 5: Oiler

a.PAID HOLIDAYS: New Year's Day, Inaugural Day, Washington's Birthday, Decoration Day, Independence Day, Labor Day,

Veterans Day, Thanksgiving Day, Christmas Day and Martin Luther King's Birthday.

IRON0005-001 06/01/2015

	Rates	Fringes
Ironworkers:		
Structural, Ornamental and Chain Link Fence	$ 30.65	18.135

IRON0201-001 05/01/2015

	Rates	Fringes
Ironworkers:		
Reinforcing	$ 27.50	18.58

LABO0657-003 06/01/2015

	Rates	Fringes
Laborers: (HEAVY AND HIGHWAY AND SEWER & WATER LINES CONSTRUCTION)		
GROUP 1	$ 23.67	7.31
GROUP 2	$ 24.06	7.31
GROUP 3	$ 24.27	7.31
GROUP 4	$ 24.46	7.31
GROUP 5	$ 24.98	7.31
GROUP 6	$ 25.65	7.31
GROUP 7	$ 26.30	7.31
GROUP 8	$ 27.16	7.31

LABORERS CLASSIFICATIONS:

GROUP 1: Carloaders, choker setter, concrete crewman, crushed feeder, demolition laborers, including salvaging all material, loading, cleaning up, wrecking, dumpmen, flagmen, fence erector and installer (other than chain link), including installation and erection of fence, guard rails, medial rails, reference posts, guide posts and right-of-way markers, form strippers, general laborers, railroad track laborers, riprap man, scale man, stake jumper, structure mover, includes foundation, separation, preparation, cribbing, shoring, jacking and unloading of structures, water nozzleman, timber bucker and faller, truck loader, water boys, tool room men.

GROUP 2: Combined air and water nozzleman, cement handler, dope pot fireman (nonmechanical), form cleaning machine, mechanical railroad equipment (includes spiker, puller, tile cleaner, tamper, pipe wrapper, power driven wheelbarrows, operators of hand derricks, towmasters, scootcretes, buggymobiles and similar equipment), tamper or rammer operator, trestle scaffold builders over one tier high, power tool operator (gas, electric or pneumatic), sandblast or gunnite tailhose man, scaffold erector, (steel or wood), vibrator operator (up to 4 feet), asphalt cutter, mortar men, shorer and lagger, creosote material handler, corrosive enamel or equl, paver breaker and jackhammer operators.

GROUP 3: Multi-section pipe layer, non-metallic clay and concrete pipe layer (including caulker, collarman, jointer, rigger and jacker, thermal welder and corrugated metal culvert pipe layer.

GROUP 4: Asphalt block pneumatic cutter, asphalt roller, walker, chainsaw operator with attachment, concrete saw (walking), high scalers, jackhammer operator (using over 6 feet of steel), vibrator operator (4 feet and over), well point installer, air trac operator.

GROUP 5: Asphalt screeder, big drills, cut of the hole drills (1 1/2 " piston or larger), down the hole drills (3 1/2" piston or larger) gunnite or sandblaster nozzleman, asphalt raker, asphalt tamper, form setter, demolition torch operator, shotcrete nozzlemen and potman.

GROUP 6: Powderman, master form setters.

GROUP 7: Brick paver (asphalt block paver, asphalt block sawman, asphalt block grinder, hastings block or similar type)

GROUP 8: Licensed powdermen.

LABO0657-004 06/01/2015

	Rates	Fringes
Laborers: (HAZARDOUS WASTE REMOVAL, EXCEPT ON MECHANICAL SYSTEMS: Preparation for, removing and encapsulation of hazardous materials from non-mechanical systems)		
Skilled Asbestos Abatement Laborers	$ 20.26	7.31
Skilled Toxic and Hazardous Waste Removal Laborers	$ 22.93	7.31

LABO0657-005 06/01/2015

	Rates	Fringes
Laborers: (TUNNEL, RAISE & SHAFT (FREE AIR) FOR HEAVY AND SEWER & WATER LINES CONSTRUCTION)		
GROUP 1	$ 24.54	7.31
GROUP 2	$ 25.32	7.31
GROUP 3	$ 27.30	7.31
GROUP 4	$ 28.14	7.31

LABORERS CLASSIFICATIONS:

GROUP 1: Brakeman, Bull Gang, Dumper, Trackmen, Concrete Man.

GROUP 2: Chuck Tender, Powdermen in Prime House, Form Setters and Movers, Nippers, Cableman, Houseman, Groutman, Bell or Signalman, Top or Bottom Vibrator Operator.

GROUP 3: Miners, Re-Bar Underground, Concrete or Gunnite Nozzlemen, Powdermen, Timbermen and Re-Timbermen, Wood Steel Including Liner plate or Other Support, Material Motorman, Caulkers, Diamond Drill Operators, Riggers, Cement Finishers-Underground, Welders and Burners, Shield Driver, Air Trac Operator, Shotcrete Nozzlemen and Potman.

GROUP 4: Mucking Machine Operator (Air).

LABO0657-006 06/01/2015

	Rates	Fringes
Laborers: (TUNNEL, RAISE AND SHAFT (COMPRESSED AIR) FOR HEAVY CONSTRUCTION ONLY		
Gauge Pressure Work Period (Pounds) (Hours)		
1-14 7	$ 32.45	7.31
14-18 6	$ 38.19	7.31

FOOTNOTE: On any requirement for air pressure in excess of 18 PSI, work periods and rates should be negotiated at a pre-bid conference.

LABO0657-007 08/01/2014

	Rates	Fringes
Laborers: (PAVING AND INCIDENTAL GRADING)		
Asphalt Raker & Concrete Saw Operator	$ 19.80	6.60
Asphalt Shoveler	$ 19.17	6.60
Asphalt Tammer & Concrete Shoveler	$ 19.44	6.60
Jack Hammer	$ 19.67	6.60
Laborer	$ 19.00	6.60
Sand Setter & Form Setter	$ 20.48	6.60

LABO0657-008 06/01/2015

	Rates	Fringes
LABORERS (BRICK MASONRY WORK)		
Mason Tenders	$ 16.54	7.31
Scaffold Builders, Mortarmen	$ 17.53	7.31

MARB0002-003 05/03/2015

	Rates	Fringes
Marble & Stone Mason Includes Pointing, Caulking and Cleaning of All Types of Masonry, Brick, Stone and Cement Structures	$ 35.19	15.72

MARB0003-001 05/03/2015

	Rates	Fringes
Mosaic & Terrazzo Worker, Tile Layer	$ 26.75	10.28

MARB0003-004 05/03/2015

	Rates	Fringes

Marble, Tile & Terrazzo
Finisher.....$ 21.96 9.35

PAIN0051-001 06/01/2014

	Rates	Fringes
Painters:		
All Industrial Work	$ 29.60	9.05
Bridges, Heavy Highway, Lead Abatement and Flame/Thermal Spray	$ 33.23	9.05
Commercial and Mold Remediation, Painters, Wallcovers and Drywall Finishers	$ 24.89	9.05
Metal Polishing and Refinishing	$ 25.89	9.05

PLAS0891-001 02/01/2014

	Rates	Fringes
Cement Masons:		
HEAVY CONSTRUCTION ONLY	$ 27.15	9.61

PLAS0891-002 06/01/2014

	Rates	Fringes
Cement Masons: (PAVING & INCIDENTAL GRADING)		
Cement Masons	$ 19.50	6.91
Concrete Saw Operators	$ 19.50	6.91
Form Setters	$ 19.50	6.91

PLUM0005-001 08/01/2015

	Rates	Fringes
Plumbers	$ 39.67	16.60+a

a. PAID HOLIDAYS: Labor Day, Veterans' Day, Thanksgiving Day and the day after Thanksgiving, Christmas Day, New Year's Day, Martin Luther King's Birthday, Memorial Day and the Fourth of July.

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* PLUM0602-005 08/01/2015

	Rates	Fringes
Steamfitter, Refrigeration & Air Conditioning Mechanic	$ 38.89	19.97+a

a. PAID HOLIDAYS: New Year's Day, Martin Luther King's Birthday, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and the day after Thanksgiving and Christmas Day.

SHEE0100-001 07/01/2015

	Rates	Fringes

Sheet Metal Worker.....$ 39.79 16.77+a

a. PAID HOLIDAYS: New Year's Day, Martin Luther King's Birthday, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and Christmas Day

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TEAM0639-001 06/01/2015

	Rates	Fringes
Truck drivers: (HEAVY & HIGHWAY CONSTRUCTION)		
Tractor trailer, Low Boy....	$ 23.15	2.30+a
Truck Drivers.....	$ 21.15	2.30+a

a. VACATION: Employees will receive one (1) week's paid vacation after one (1) year of service.

TEAM0639-005 06/01/2015

	Rates	Fringes
Truck drivers: (PAVING & INCIDENTAL GRADING)		
All paving projects where the grading is incidental to the paving.....	$ 21.15	2.30

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number

where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted

because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

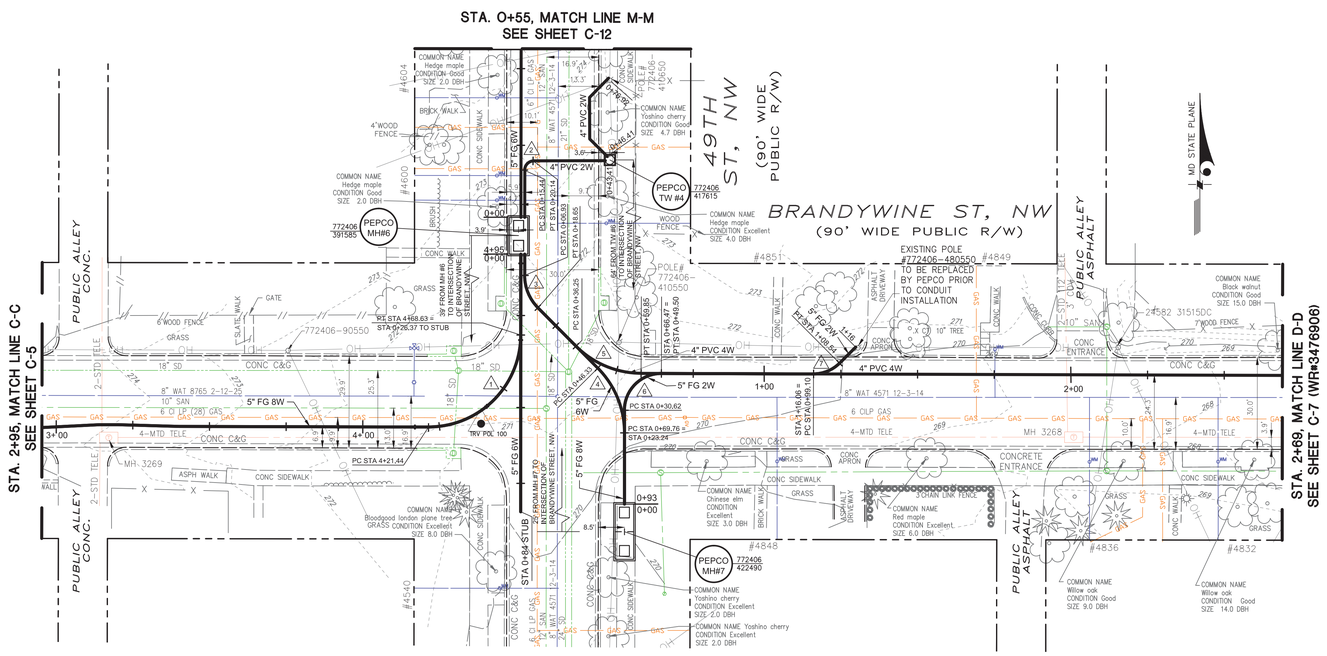
3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

==========

END OF GENERAL DECISION



CURVE TABLE

CURVE	BEGIN STA	END STA	ARC LENGTH	DELTA	RADIUS	TANGENT	CHORD BRG	PI NORTHING	PI EASTING	PC NORTHING	PC EASTING	PT NORTHING	PT EASTING
1	2+15.99	2+63.17	47.18	90.1120	30.00	30.06	N45° 04' 32"E	467268.4130	1284803.8483	467268.4821	1284773.7897	467298.4717	1284803.8586
2	0+15.44	0+20.14	4.70	89.7446	3.00	2.99	N44° 56' 52"E	467355.2682	1284805.1736	467352.2816	1284805.1696	467355.2776	1284808.1602
3	0+06.93	0+18.65	11.72	44.7609	15.00	6.18	S22° 21' 39"E	467311.7408	1284805.1354	467317.9174	1284805.1375	467307.3537	1284809.4831
4	0+46.33	0+69.76	23.43	44.7412	30.00	12.35	S22° 22' 14"E	467278.9179	1284837.6631	467287.6880	1284828.9719	467266.5708	1284837.6631
5	0+36.25	0+59.85	23.60	45.0785	30.00	12.45	S67° 16' 50"E	467286.0051	1284830.6396	467294.8486	1284821.8757	467285.9659	1284843.0901
6	0+30.62	0+49.50	18.89	90.1803	12.00	12.04	N45° 05' 25"E	467285.9830	1284837.6631	467273.9452	1284837.6631	467285.9451	1284849.7009
7	0+99.10	1+08.54	9.45	45.1001	12.00	4.98	N67° 37' 49"E	467285.7734	1284904.2764	467285.7891	1284899.2936	467289.2919	1284907.8047

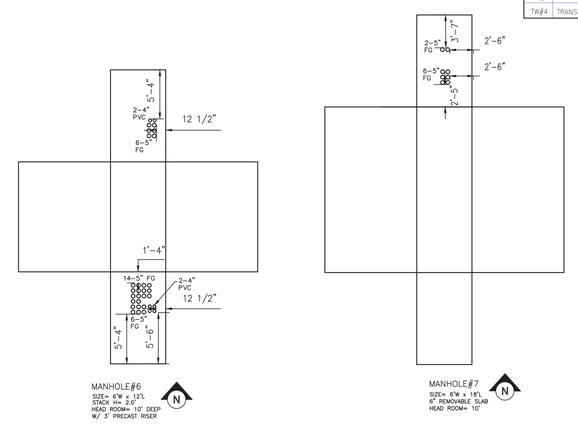
STRUCTURE SCHEDULE CAST IN PLACE

NO	TYPE	SIZE	TOP DUCT ELEV IN	TOP DUCT ELEV OUT(S)	TOP DUCT ELEV OUT(N)	℄ TOP MH ELEV	REMARKS
MH#6	LINE MANHOLE	6' x 12'	263.61	264.78 / 264.61	264.78 / 264.28	272.11	~~PRECAST~~ – PEPCO DISTRUBUTION STD DWG 2-2-0418
MH#7	4-WAY SF6 SWITCH MANHOLE	6' x 18'	263.58	265.92		270.00	PRECAST – PEPCO DISTRUBUTION STD DWG 2-2-1169
TW#4	TRANSFORMER WELL	36"	267.47	–	269.47	273.30	PEPCO DISTRUBUTION STD DWG 2-2-0887

CONSTRUCTION NOTE:
HAND DIG TRENCH FOR 5' MINIMUM DISTANCE ON EITHER SIDE OF AN EXISTING UTILITY CROSSING TO SATISFY DDOT AND UTILITY REQUIREMENTS. THEN TRENCH THE REST OF THE WAY TO THE NEXT STRUCTURE, OR CROSSING.

CONDUIT LENGTHS

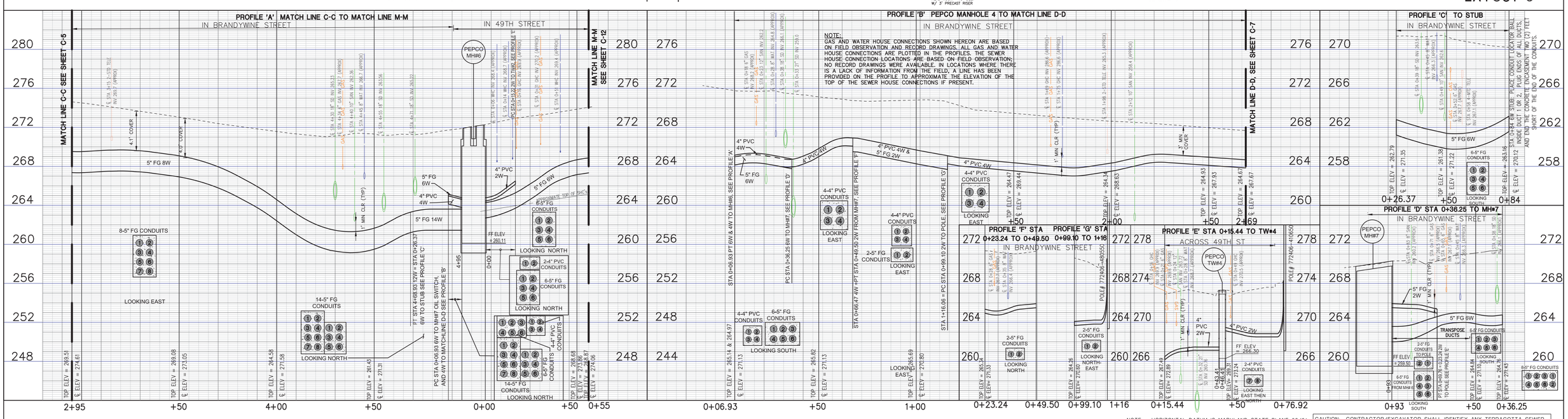
FROM	TO	SIZE IN	TYPE	FORMATION	LENGTH LF
MATCHLINE C-C	MH#6	5	FG	8 WAY	200
MH#6	STUB	5	FG	6 WAY	84
MH#6	MATCHLINE D-D	4	PVC	4 WAY	269
MH#6	MH#7	5	FG	6 WAY	93
MH#7	POLE # 772406-480550	5	FG	2 WAY	116
MH#6	MATCHLINE M-M	5	FG	6 WAY	55
MH#6	TW#4	4	PVC	2 WAY	44.41
TW#4	POLE # 772406-410550	4	PVC	2 WAY	30.51



SCALE: 1"=20' HORIZONTAL SCALE

SCALE: 1"=4' VERTICAL SCALE

LAYOUT 3



NOTE: HORIZONTAL DATUM IS MARYLAND STATE PLANE 83/91. ELEVATIONS SHOWN ARE BASED ON NAVD 88.

CAUTION: CONTRACTOR/EXCAVATOR SHALL IDENTIFY ANY TERRACOTTA SEWER MAINS AND EXERCISE EXTRA CAUTION WHEN WORKING AROUND THEM.

KCW Engineering Technologies, Inc.
810 Landmark Drive, Suite 215
Glen Burnie, MD 21061
Phone: 410.768.7700
Fax: 410.768.0200
www.kcw-et.com

DC PLUG

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION PROJECT MANAGEMENT DIVISION

DIVISION CHIEF

DATE

FILE

POLES SHOWN ON THIS PLAN DO NOT CONFLICT WITH WATER, SEWER OR STORM DRAIN
PLAN NO.

TREE PERMISSIONS

	OVERHEAD	UNDERGROUND
PUBLIC PROPERTY	REQUIRED	REQUIRED
PRIVATE PROPERTY	REQUIRED	REQUIRED

PROJECT ID
P52990

REFERENCE DRAWINGS
WR #

WR TYPE. LOCAL DISTRICT. CLASSIFICATION.

A.E. /PHONE: CONTACT /PHONE:

PRINTS		PERMITS	
RECORDS MGT. X		E.D.O.H.	UVP
CCC X		E.D.U.G.	SPC
R/W		WARD	PG SPEC.
SURVEYOR		R/W REQ'D.	PG MAINT.
FDR.MAPS		COUNTY	
METERS		TOWN	
MTR.RDR.		ST.RDS.	
TR.SHOPS		ST.TR.	
PHONE CO.		M.N.C.P.	
GAS CO.		EASMNT.	
C.A.T.V.		W.S.S.C.	
	TOTAL		TOTAL PRINTS

CREW HQ
BNDU-CA ✓, CO ✓
BNMU-CA ___, CO ___
FSDO-OH ___,URD ___
FSMO-OH ___,URD ___
KNA ___
RSMO-OH ___,URD ___
RSMU-CA ___, CO ___

TAX DIST. DC
PLAT AREA
FDR. NO.

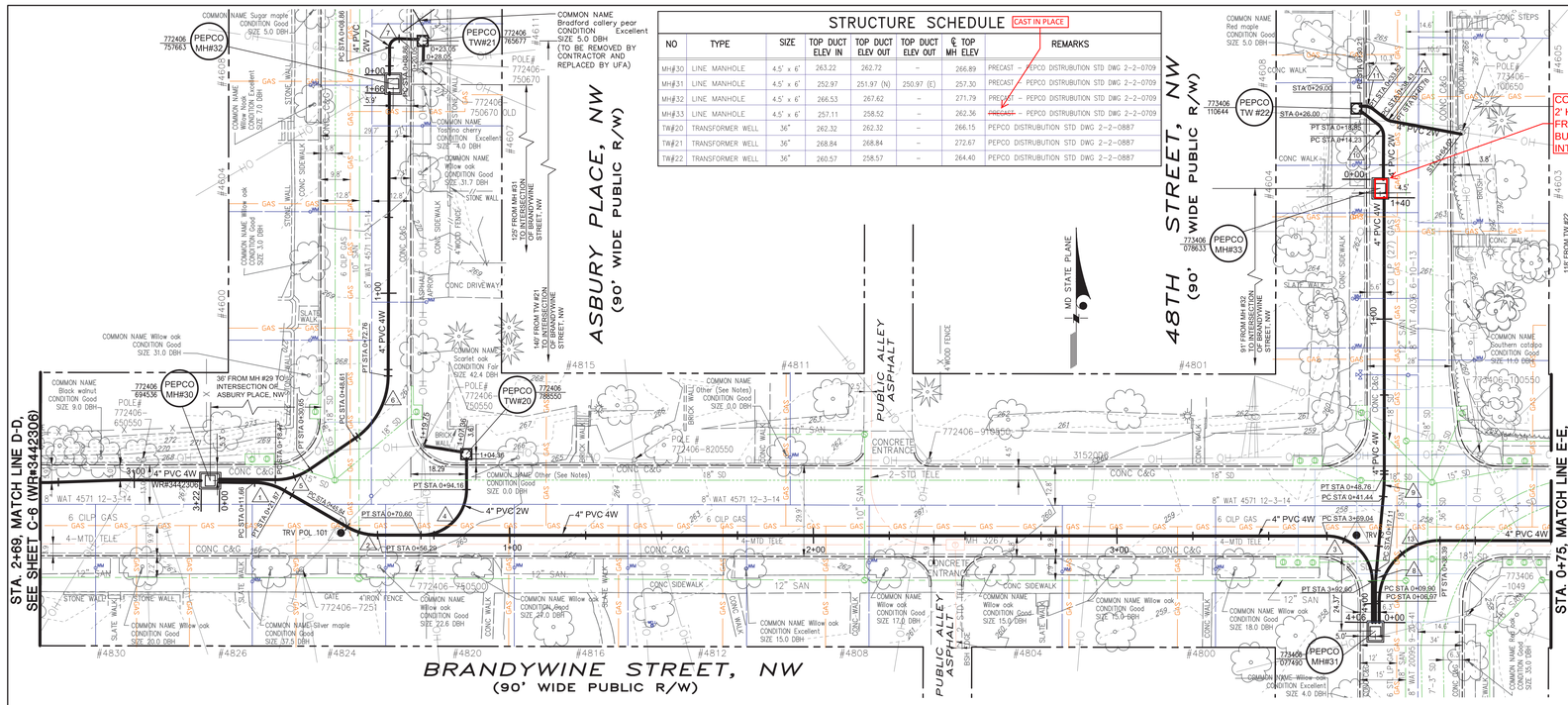
4kV FEEDER 00308 UNDERGROUNDING

PLAN AND PROFILE BRANDYWINE ST NW FROM MATCH LINE C-C TO MATCH LINE D-D
49TH STREET FROM MANHOLE #7 TO MATCH LINE M-M

POTOMAC ELECTRIC POWER CO.

	APPD	APPD	APPD
SCALE : AS SHOWN			
DATE: 09/02/2015			
DR. BY: KCW			
CHKD.: KMG			
INSP.			

SHEET C-6
WR# 3442306



STRUCTURE SCHEDULE

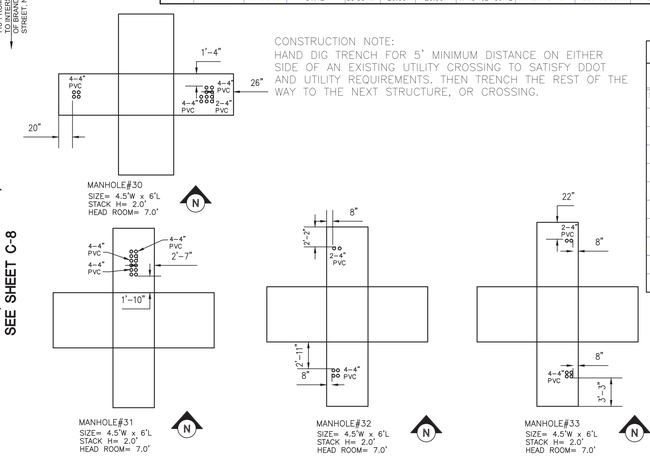
EAST IN PLACE

NO	TYPE	SIZE	TOP DUCT ELEV IN	TOP DUCT ELEV OUT	TOP DUCT ELEV OUT	℄ TOP MH ELEV	REMARKS
MH#30	LINE MANHOLE	4.5' x 6'	263.22	262.72	–	266.89	PRECAST – PEPCO DISTRIBUTION STD DWG 2–2–0709
MH#31	LINE MANHOLE	4.5' x 6'	252.97	251.97 (N)	250.97 (E)	257.30	PRECAST – PEPCO DISTRIBUTION STD DWG 2–2–0709
MH#32	LINE MANHOLE	4.5' x 6'	266.53	267.62	–	271.79	PRECAST – PEPCO DISTRIBUTION STD DWG 2–2–0709
MH#33	LINE MANHOLE	4.5' x 6'	257.11	258.52	–	262.36	PRECAST – PEPCO DISTRIBUTION STD DWG 2–2–0709
TW#20	TRANSFORMER WELL	36"	262.32	262.32	–	266.15	PEPCO DISTRIBUTION STD DWG 2–2–0887
TW#21	TRANSFORMER WELL	36"	268.84	268.84	–	272.67	PEPCO DISTRIBUTION STD DWG 2–2–0887
TW#22	TRANSFORMER WELL	36"	260.57	258.57	–	264.40	PEPCO DISTRIBUTION STD DWG 2–2–0887

CURVE TABLE

CURVE	BEGIN STA	END STA	ARC LENGTH	DELTA	RADIUS	TANGENT	CHORD BRG	PI NORTHING	PI EASTING	PC NORTHING	PC EASTING	PT NORTHING	PT EASTING
1	0+11.66	0+21.97	10.31'	29°31'18"	20.00'	5.27'	S 74° 45' 11" E	467285.2453	1285128.1438	467285.2900	1285122.8743	467282.6099	1285132.7071
2	0+45.84	0+56.29	10.45'	29°56'56"	20.00'	5.35'	S 74° 58' 00" E	467267.9948	1285158.0131	467270.6702	1285153.3807	467267.9893	1285163.3625
3	3+69.04	3+92.60	23.56'	89°59'11"	15.00'	15.00'	S 44° 56' 53" E	467267.6522	1285491.1035	467267.6677	1285476.1071	467252.6558	1285491.0917
4	0+70.60	0+94.16	23.56'	90°00'00"	15.00'	15.00'	N 45° 03' 32" E	467267.9592	1285192.6709	467267.9746	1285177.6709	467282.9592	1285192.6863
5	0+18.47	0+30.65	12.18'	34°53'50"	20.00'	6.29'	N 73° 02' 15" E	467286.1789	1285135.9803	467286.2322	1285129.6943	467289.7314	1285141.1664
6	0+48.61	0+72.76	24.15'	55°20'12"	25.00'	13.11'	N 27° 55' 14" E	467307.2881	1285166.7967	467299.8806	1285155.9828	467320.3956	1285166.8544
7	0+08.86	0+13.68	4.82'	92°03'33"	3.00'	3.11'	N 46° 16' 55" E	467431.6084	1285167.3306	467431.4829	1285170.4515	467431.4829	1285170.4515
8	0+09.90	0+17.11	7.21'	5°10'01"	80.00'	3.61'	N 2° 37' 43" E	467252.7564	1285492.0918	467249.1468	1285492.0889	467256.3511	1285492.4197
9	0+41.58	0+48.91	7.33'	5°14'49"	80.00'	3.67'	N 2° 35' 19" E	467392.7815	1285494.9099	467389.8406	1285494.9117	467392.8418	1285497.8502
10	0+14.23	0+18.85	4.62'	52°55'23"	5.00'	2.49'	N 26° 10' 02" W	467401.8420	1285494.7771	467399.3534	1285494.7643	467403.3526	1285492.7992
11	0+30.21	0+33.52	3.31'	37°52'31"	5.00'	1.72'	S 71° 33' 59" E	467409.2426	1285490.0300	467409.2275	1285488.3145	467408.2013	1285491.3934
12	0+38.43	0+40.78	2.35'	26°54'44"	5.00'	1.20'	S 66° 05' 06" E	467404.4953	1285496.2456	467405.2215	1285495.2948	467404.2782	1285497.4221
13	0+06.97	0+38.39	31.42'	89°59'47"	20.00'	20.00'	N 45° 02' 36" E	467266.2118	1285493.3549	467246.2131	1285493.3391	467266.1973	1285513.3536

CONSTRUCTION NOTE:
HAND DIG TRENCH FOR 5' MINIMUM DISTANCE ON EITHER SIDE OF AN EXISTING UTILITY CROSSING TO SATISFY DDOT AND UTILITY REQUIREMENTS. THEN TRENCH THE REST OF THE WAY TO THE NEXT STRUCTURE, OR CROSSING.



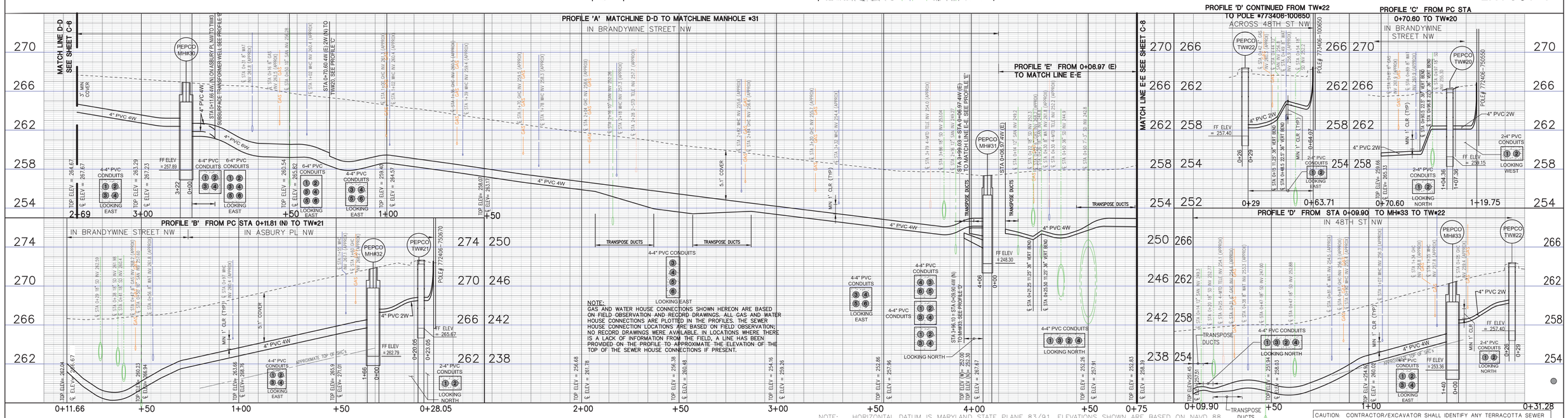
CONDUIT LENGTHS

FROM	TO	SIZE IN	TYPE	FORMATION	LENGTH LF
MATCHLINE D–D	MH#30	4	PVC	4 WAY	53
MH#30	MH#32	4	PVC	4 WAY	166
MH#32	TW#21	4	PVC	2 WAY	20.05
TW#21	POLE# 772406–750670	4	PVC	2 WAY	5
MH#30	TW#20	4	PVC	2 WAY	104.36
TW#20	POLE# 772406–750550	4	PVC	2 WAY	12.39
MH#30	MH#31	4	PVC	4 WAY	406
MH#31	MH#33	4	PVC	4 WAY	140
MH#33	TW#22	4	PVC	2 WAY	26
TW#22	POLE# 773406–100650	4	PVC	2 WAY	35.07
MH#31	MATCHLINE E–E	4	PVC	4 WAY	75

SCALE: 1"=20' HORIZONTAL SCALE

SCALE: 1"=4' VERTICAL SCALE

LAYOUT 4



NOTE:
GAS AND WATER HOUSE CONNECTIONS SHOWN HEREON ARE BASED ON FIELD OBSERVATION AND RECORD DRAWINGS. ALL GAS AND WATER HOUSE CONNECTIONS ARE PLOTTED IN THE PROFILES. THE SEWER HOUSE CONNECTION LOCATIONS ARE BASED ON FIELD OBSERVATION; NO RECORD DRAWINGS WERE AVAILABLE. IN LOCATIONS WHERE THERE IS A LACK OF INFORMATION FROM THE FIELD, A LINE HAS BEEN PROVIDED ON THE PROFILE TO APPROXIMATE THE ELEVATION OF THE TOP OF THE SEWER HOUSE CONNECTIONS IF PRESENT.

NOTE: HORIZONTAL DATUM IS MARYLAND STATE PLANE 83/91. ELEVATIONS SHOWN ARE BASED ON NAVD 88.

CAUTION: CONTRACTOR/EXCAVATOR SHALL IDENTIFY ANY TERRACOTTA SEWER MAINS AND EXERCISE EXTRA CAUTION WHEN WORKING AROUND THEM.

KCW Engineering Technologies, Inc.
810 Landmark Drive, Suite 215
Glen Burnie, MD 21061
Phone: 410.768.7700
Fax: 410.768.0200
www.kcw-et.com

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION PROJECT MANAGEMENT DIVISION

DIVISION CHIEF

DATE

FILE

POLES SHOWN ON THIS PLAN DO NOT CONFLICT WITH WATER, SEWER OR STORM DRAIN
PLAN NO.

TREE PERMISSIONS

	OVERHEAD	UNDERGROUND
PUBLIC PROPERTY	REQUIRED	REQUIRED
PRIVATE PROPERTY	REQUIRED	REQUIRED

PROJECT ID
P52990

REFERENCE DRAWINGS

WR #

WR TYPE. | LOCAL DISTRICT. | CLASSIFICATION.

A.E. /PHONE/ | CONTACT /PHONE/

PRINTS		PERMITS	
RECORDS MGT. X		E.D.O.H.	UVP
CCC X		E.D.U.G.	SPC
R/W		WARD	PG SPEC.
SURVEYOR		R/W REQ'D.	PG MAINT.
FDR.MAPS		COUNTY	
METERS		TOWN	
MTR.RDR.		ST.RDS.	
TR.SHOPS		ST.TR.	
PHONE CO.		M.N.C.P.	
GAS CO.		EASMNT.	
C.A.T.V.		W.S.S.C.	
	TOTAL		TOTAL PRINTS

CREW HQ
BNDU-CA ✓, CO ✓
BNMU-CA ___, CO ___
FSDO-OH ___,URD ___
FSMO-OH ___,URD ___
KNA
RSMO-OH ___,URD ___
RSMU-CA ___, CO ___

4kV FEEDER 00308 UNDERGROUNDING

PLAN AND PROFILE BRANDYWINE ST, NW
FROM MATCH LINE D-D TO MATCH LINE E-E
LATERAL NORTH ON ASBURY PL, NW FROM MH# 30
LATERAL NORTH ON 48TH ST, NW FROM MH# 31

TAX DIST. DC

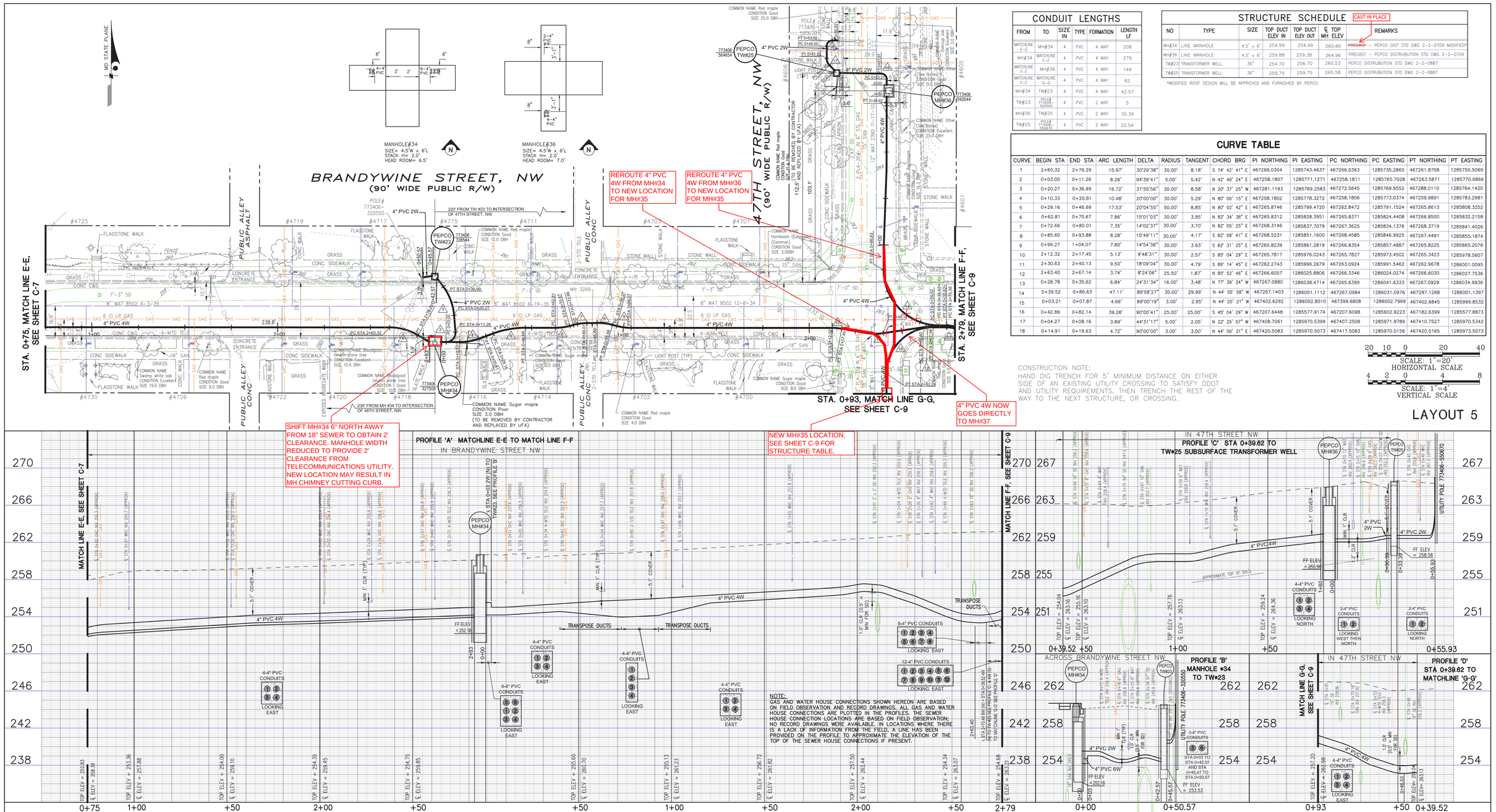
POTOMAC ELECTRIC POWER CO.

PLAT AREA

FDR. NO.

		APPD	APPD	APPD
SCALE - AS SHOWN				
DATE- 09/02/2015				
DR. BY- KCW				
CHKD.- KMG				
INSP.				

SHEET C-7
WR# 3476906



CONDUIT LENGTHS

FROM	TO	SIZE IN	TYPE	FORMATION	LENGTH LF
MATCHLINE E-E	MH#34	4	PVC	4 WAY	208
MH#34	MATCHLINE F-F	4	PVC	4 WAY	279
MATCHLINE F-F	MH#36	4	PVC	4 WAY	149
MATCHLINE F-F	MATCHLINE G-G	4	PVC	4 WAY	62
MH#34	TW#23	4	PVC	4 WAY	42.57
TW#23	POLE# 773406-320550	4	PVC	2 WAY	5
MH#36	TW#25	4	PVC	2 WAY	30.39
TW#25	POLE# 773406-550670	4	PVC	2 WAY	22.54

STRUCTURE SCHEDULE

CAST IN PLACE

NO	TYPE	SIZE	TOP DUCT ELEV IN	TOP DUCT ELEV OUT	℄ TOP MH ELEV	REMARKS
MH#34	LINE MANHOLE	4.5' x 6'	254.99	254.49	260.66	~~PRECAST~~ – PEPCO DIST STD DWG 2-2-0709 MODIFIED*
MH#36	LINE MANHOLE	4.5' x 6'	259.88	259.38	264.96	PRECAST – PEPCO DISTRUBUTION STD DWG 2-2-0709
TW#23	TRANSFORMER WELL	36"	254.70	256.70	260.53	PEPCO DISTRUBUTION STD DWG 2-2-0887
TW#25	TRANSFORMER WELL	36"	259.75	259.75	265.58	PEPCO DISTRUBUTION STD DWG 2-2-0887

*MODIFIED ROOF DESIGN WILL BE APPROVED AND FURNISHED BY PEPCO.

CURVE TABLE

CURVE	BEGIN STA	END STA	ARC LENGTH	DELTA	RADIUS	TANGENT	CHORD BRG	PI NORTHING	PI EASTING	PC NORTHING	PC EASTING	PT NORTHING	PT EASTING
1	2+60.32	2+76.29	15.97'	30°29'38"	30.00'	8.18'	S 74° 42' 41" E	467266.0304	1285743.4637	467266.0363	1285735.2865	467261.8758	1285750.5069
2	0+03.00	0+11.26	8.26'	94°39'41"	5.00'	5.42'	N 42° 40' 24" E	467258.1807	1285771.1271	467258.1811	1285765.7028	467263.5871	1285770.6866
3	0+20.27	0+36.99	16.72'	31°55'56"	30.00'	8.58'	N 20° 37' 25" W	467281.1193	1285769.2583	467272.5645	1285769.9552	467288.0110	1285764.1420
4	0+10.33	0+20.81	10.48'	20°00'00"	30.00'	5.29'	N 80° 00' 15" E	467258.1802	1285778.3272	467258.1806	1285773.0374	467259.9891	1285783.2981
5	0+29.16	0+46.69	17.53'	20°04'55"	50.00'	8.85'	N 80° 02' 42" E	467265.8746	1285799.4720	467262.8472	1285791.1524	467265.8613	1285808.3252
6	0+62.81	0+70.67	7.86'	15°01'03"	30.00'	3.95'	N 82° 34' 38" E	467265.8312	1285828.3951	467265.8371	1285824.4408	467266.8500	1285832.2158
7	0+72.66	0+80.01	7.35'	14°02'37"	30.00'	3.70'	N 82° 05' 25" E	467268.3146	1285837.7079	467267.3625	1285834.1376	467268.3719	1285841.4026
8	0+85.60	0+93.88	8.28'	15°49'11"	30.00'	4.17'	S 82° 58' 41" E	467268.5231	1285851.1600	467268.4585	1285846.9925	467267.4491	1285855.1874
9	0+96.27	1+04.07	7.80'	14°54'38"	30.00'	3.93'	S 82° 31' 25" E	467265.8239	1285861.2819	467266.8354	1285857.4887	467265.8225	1285865.2076
10	2+12.32	2+17.45	5.13'	9°48'31"	30.00'	2.57'	S 85° 04' 29" E	467265.7817	1285976.0243	467265.7827	1285973.4502	467265.3423	1285978.5607
11	2+30.63	2+40.13	9.50'	18°09'04"	30.00'	4.79'	S 89° 14' 45" E	467262.2743	1285996.2679	467263.0924	1285991.5462	467262.9678	1286001.0095
12	2+63.40	2+67.14	3.74'	8°24'06"	25.50'	1.87'	N 85° 52' 46" E	467266.6057	1286025.8806	467266.3346	1286024.0274	467266.6030	1286027.7536
13	0+28.78	0+35.62	6.84'	24°31'34"	16.00'	3.48'	N 77° 39' 24" W	467267.0880	1286038.4714	467265.6399	1286041.6333	467267.0929	1286034.9936
14	0+39.52	0+86.63	47.11'	89°58'27"	30.00'	29.99'	N 44° 55' 58" W	467267.1403	1286001.1112	467267.0984	1286031.0976	467297.1268	1286001.1397
15	0+03.21	0+07.87	4.66'	89°00'19"	3.00'	2.95'	N 44° 25' 21" W	467402.6292	1286002.8010	467399.6808	1286002.7969	467402.6845	1285999.8532
16	0+42.86	0+82.14	39.28'	90°00'41"	25.00'	25.00'	S 45° 04' 29" W	467207.6448	1285577.9174	467207.6098	1285602.9223	467182.6399	1285577.8873
17	0+04.27	0+08.16	3.89'	44°31'17"	5.00'	2.05'	N 22° 25' 07" W	467408.7061	1285970.5399	467407.2508	1285971.9789	467410.7527	1285970.5342
18	0+14.91	0+19.63	4.72'	90°00'00"	3.00'	3.00'	N 44° 50' 31" E	467420.5083	1285970.5073	467417.5083	1285970.5156	467420.5165	1285973.5073

CONSTRUCTION NOTE:
HAND DIG TRENCH FOR 5' MINIMUM DISTANCE ON EITHER SIDE OF AN EXISTING UTILITY CROSSING TO SATISFY DDOT AND UTILITY REQUIREMENTS. THEN TRENCH THE REST OF THE WAY TO THE NEXT STRUCTURE, OR CROSSING.

20 10 0 20 40
SCALE: 1"=20'
HORIZONTAL SCALE
4 2 0 4 8
SCALE: 1"=4'
VERTICAL SCALE

LAYOUT 5

NOTE: HORIZONTAL DATUM IS MARYLAND STATE PLANE 83/91. ELEVATIONS SHOWN ARE BASED ON NAVD 88.

CAUTION: CONTRACTOR/EXCAVATOR SHALL IDENTIFY ANY TERRACOTTA SEWER MAINS AND EXERCISE EXTRA CAUTION WHEN WORKING AROUND THEM.

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Fax: 410.768.0200
www.kcw-et.com

DC PLUG

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION PROJECT MANAGEMENT DIVISION

DIVISION CHIEF

DATE

FILE

POLES SHOWN ON THIS PLAN DO NOT CONFLICT WITH WATER, SEWER OR STORM DRAIN
PLAN NO.

TREE PERMISSIONS

	OVERHEAD	UNDERGROUND
PUBLIC PROPERTY	REQUIRED	REQUIRED
PRIVATE PROPERTY	REQUIRED	REQUIRED

PROJECT ID
P52990

REFERENCE DRAWINGS

WR #

WR TYPE.
LOCAL DISTRICT.
CLASSIFICATION.
A.E. /PHONE·
CONTACT /PHONE·

PRINTS		PERMITS	
RECORDS MGT. X		E.D.O.H.	UVP
CCC X		E.D.U.G.	SPC
R/W		WARD	PG SPEC.
SURVEYOR		R/W REQ'D.	PG MAINT.
FDR.MAPS		COUN'TY	
METERS		TOWN	
MTR.RDR		ST.RDS.	
TR.SHOPS		ST.TR.	
PHONE CO.		M.N.C.P.	
GAS CO.		EASMNT.	
C.A.T.V.		W.S.S.C.	
	TOTAL		TOTAL PRINTS

CREW HQ
BNDU-CA ✓, CO ✓
BNMU-CA ___, CO ___
FSDO-OH ___URD ___
FSMO-OH ___URD ___
KNA
RSMO-OH ___URD ___
RSMU-CA ___, CO ___

TAX DIST. DC

PLAT AREA

FDR. NO.

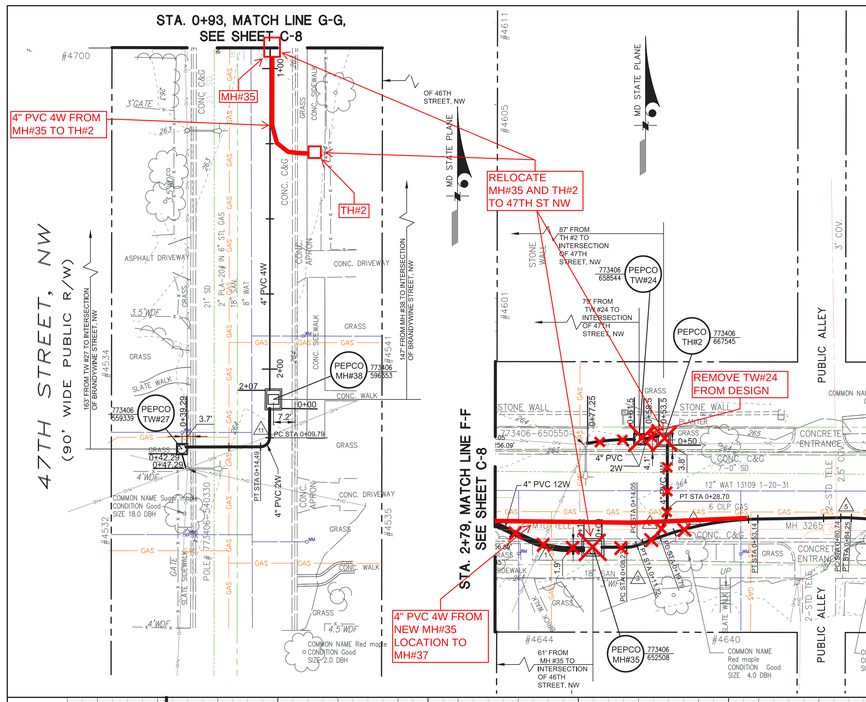
4kV FEEDER 00308 UNDERGROUNDING

PLAN AND PROFILE BRANDYWINE ST, NW
FROM MATCH LINE E-E TO MATCH LINE F-F
LATERAL NORTH ON 47TH ST, NW AND TO MATCH LINE
G-G FOR LATERAL SOUTH ON 47TH ST, NW

POTOMAC ELECTRIC POWER CO.

SCALE - AS SHOWN	APPD	APPD	APPD
DATE- 09/02/2015			
DR. BY- KCW			
CHKD.- KMG			
INSP.			

SHEET C-8
WR# 3476906



CURVE TABLE

CURVE	BEGIN STA	END STA	ARC LENGTH	DELTA	RADIUS	TANGENT	CHORD BRG	PI NORTHING	PI EASTING	PC NORTHING	PC EASTING	PT NORTHING	PT EASTING
1	2+92.00	3+05.48	13.48'	24°31'34"	31.50'	6.85'	S 77° 39' 24" E	467257.7598	1286057.6391	467260.6107	1286051.4140	467257.7502	1286064.4859
2	0+14.05	0+28.70	14.64'	69°55'26"	12.00'	8.39'	N 35° 02' 32" E	467262.6680	1286096.8260	467259.7989	1286088.9412	467271.0586	1286096.8378
3	0+03.94	0+19.64	15.70'	90°00'00"	10.00'	10.00'	N 45° 04' 49" E	467258.3808	1286089.0355	467258.3948	1286079.0355	467268.3808	1286089.0495
4	0+19.79	0+53.14	33.35'	19°06'29"	100.00'	16.83'	N 79° 33' 29" E	467267.5173	1286110.1520	467261.7618	1286094.3355	467267.7781	1286126.9812
5	0+80.74	0+84.25	3.51'	4°01'32"	50.00'	1.76'	S 88° 52' 31" E	467268.2330	1286156.3324	467268.2058	1286154.5754	467268.1368	1286158.0870
6	1+03.21	1+05.88	2.67'	3°03'05"	50.00'	1.33'	S 88° 23' 17" E	467267.0262	1286178.3476	467267.0991	1286177.0179	467267.0242	1286179.6793
7	2+01.47	2+14.56	13.09'	30°00'00"	25.00'	6.70'	S 74° 54' 49" E	467266.8699	1286281.9723	467266.8800	1286275.2736	467263.5118	1286287.7685
8	2+17.37	2+33.08	15.71'	30°00'22"	30.00'	8.04'	S 74° 55' 00" E	467258.0708	1286297.1598	467262.1014	1286290.2029	467258.0596	1286305.2000
9	0+11.09	0+25.63	14.54'	27°46'16"	30.00'	7.42'	N 76° 16' 10" E	467266.5644	1286337.5120	467263.1267	1286330.9407	467266.5443	1286344.9282
10	0+57.12	0+61.83	4.71'	90°00'00"	3.00'	3.00'	N 45° 09' 18" E	467266.4510	1286379.4145	467266.4591	1286376.4145	467269.4510	1286379.4226
11	0+09.79	0+14.49	4.70'	89°47'03"	3.00'	2.99'	S 44° 58' 20" W	467097.4916	1286002.5167	467100.4804	1286002.5209	467097.4846	1285999.5280

CONSTRUCTION NOTE:
HAND DIG TRENCH FOR 5' MINIMUM DISTANCE ON EITHER SIDE OF AN EXISTING UTILITY CROSSING TO SATISFY DDOT AND UTILITY REQUIREMENTS. THEN TRENCH THE REST OF THE WAY TO THE NEXT STRUCTURE, OR CROSSING.

STRUCTURE SCHEDULE

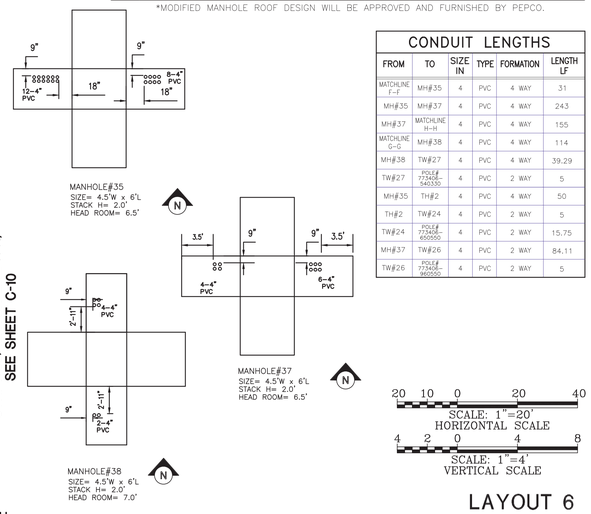
CAST IN PLACE

NO	TYPE	SIZE	TOP DUCT ELEV IN	TOP DUCT ELEV OUT	℄ TOP MH ELEV	REMARKS
MH#35	LINE MANHOLE	4.5' x 6'	259.79	258.79(IN) 257.79(IN)	263.96	PRECAST – PEPCO DIST STD DWG 2-2-0709 MODIFIED*
MH#37	LINE MANHOLE	4.5' x 6'	261.27	261.27	266.77	PRECAST – PEPCO DIST STD DWG 2-2-0709 MODIFIED*
MH#38	LINE MANHOLE	4.5' x 6'	258.71	258.21	263.96	PRECAST – PEPCO DISTRIBUTION STD DWG 2-2-0709
TH#24	TRANSFORMER WELL	36"	260.50	260.50	264.33	PEPCO DISTRIBUTION STD DWG 2-2-0887
TW#26	TRANSFORMER WELL	36"	261.42	263.42	267.25	PEPCO DISTRIBUTION STD DWG 2-2-0887
TW#27	TRANSFORMER WELL	36"	260.27	260.27	264.10	PEPCO DISTRIBUTION STD DWG 2-2-0887
TH#2	TAP HOLE	3.5' x 3.5'	260.96	260.46	264.42	PEPCO DISTRIBUTION STD DWG 2-2-1084

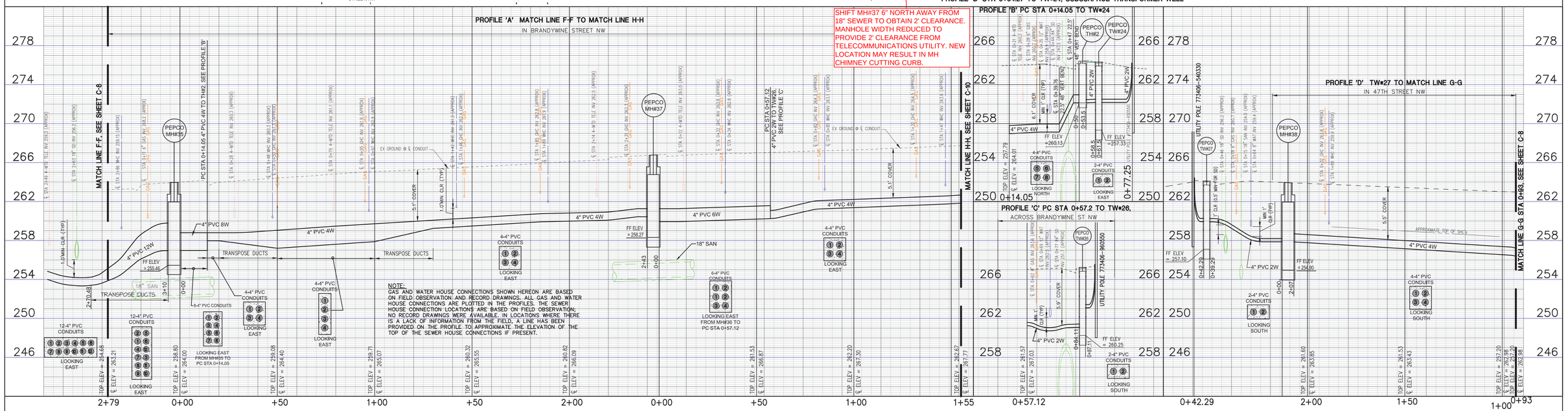
*MODIFIED MANHOLE ROOF DESIGN WILL BE APPROVED AND FURNISHED BY PEPCO.

CONDUIT LENGTHS

FROM	TO	SIZE IN	TYPE	FORMATION	LENGTH LF
MATCHLINE F-F	MH#35	4	PVC	4 WAY	31
MH#35	MH#37	4	PVC	4 WAY	243
MH#37	MATCHLINE H-H	4	PVC	4 WAY	155
MATCHLINE G-G	MH#38	4	PVC	4 WAY	114
MH#38	TW#27	4	PVC	4 WAY	39.29
TW#27	POLE# 773406-540330	4	PVC	2 WAY	5
MH#35	TH#2	4	PVC	4 WAY	50
TH#2	TW#24	4	PVC	2 WAY	5
TW#24	POLE# 773406-650550	4	PVC	2 WAY	15.75
MH#37	TW#26	4	PVC	2 WAY	84.11
TW#26	POLE# 773406-960550	4	PVC	2 WAY	5



LAYOUT 6



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DC PLUG

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION PROJECT MANAGEMENT DIVISION

DIVISION CHIEF

DATE

FILE

POLES SHOWN ON THIS PLAN DO NOT CONFLICT WITH WATER, SEWER OR STORM DRAIN
PLAN NO.

TREE PERMISSIONS

	OVERHEAD	UNDERGROUND
PUBLIC PROPERTY	REQUIRED	REQUIRED
PRIVATE PROPERTY	REQUIRED	REQUIRED

PROJECT ID
P52990

REFERENCE DRAWINGS

WR #

WR TYPE. | LOCAL DISTRICT. | CLASSIFICATION.

A.E. /PHONE/ | CONTACT /PHONE/

PRINTS		PERMITS	
RECORDS MGT. X		E.D.O.H.	UVP
CCC X		E.D.U.G.	SPC
R/W		WARD	PG SPEC.
SURVEYOR		R/W REQ'D.	PG MAINT.
FDR.MAPS		COUNTY	
METERS		TOWN	
MTR.RDR.		ST.RDS.	
TR.SHOPS		ST.TR.	
PHONE CO.		M.N.C.P.	
GAS CO.		EASMNT.	
C.A.T.V.	TOTAL	W.S.S.C.	TOTAL PRINTS

CREW HQ
BNDU-CA ✓, CO ✓
BNMU-CA ___, CO ___
FSDO-OH ___,URD ___
FSMO-OH ___,URD ___
KNA ___
RSMO-OH ___,URD ___
RSMU-CA ___, CO ___

TAX DIST. DC
PLAT AREA
FDR. NO.

4kV FEEDER 00308 UNDERGROUNDING

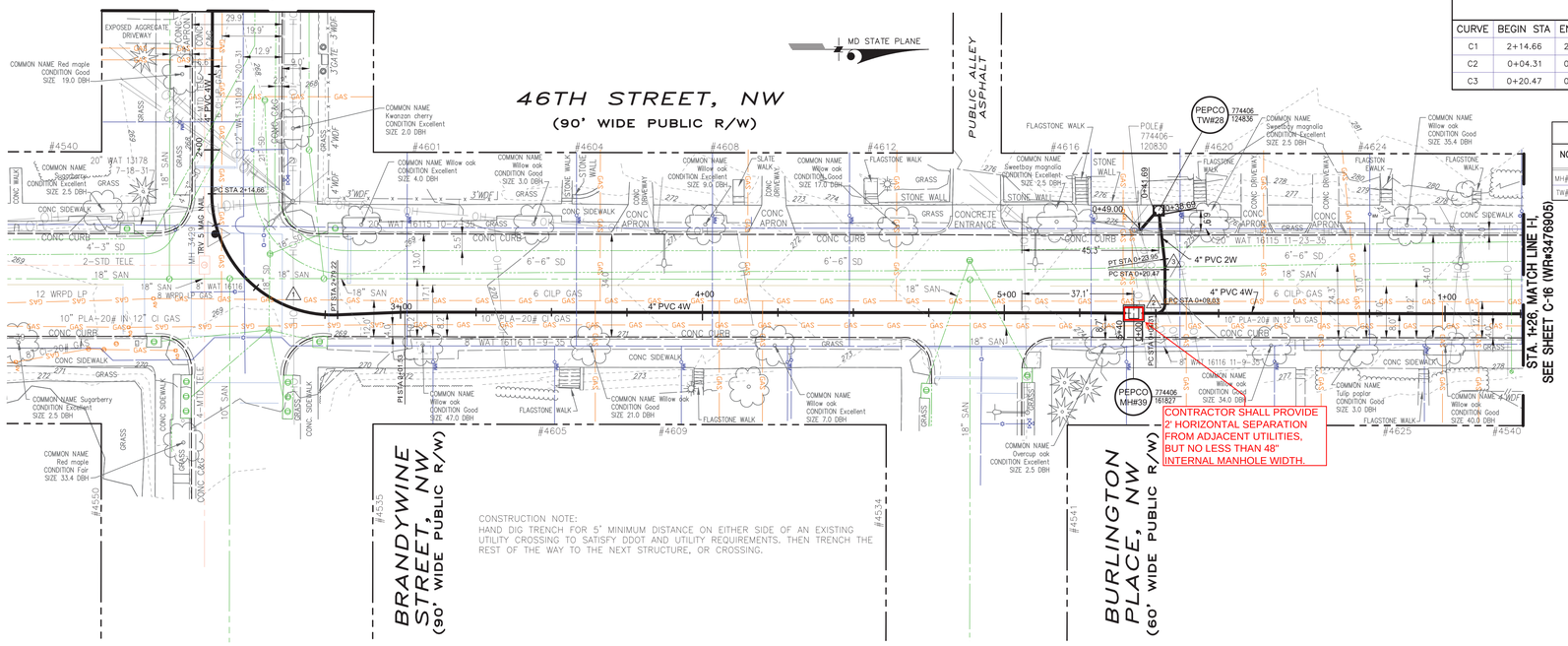
PLAN AND PROFILE BRANDYWINE ST, NW FROM MATCH LINE F-F TO MATCH LINE H-H
47TH ST, NW FROM MATCH LINE F-F TO TW#27

POTOMAC ELECTRIC POWER CO.

SCALE - AS SHOWN	APPD	APPD	APPD
DATE- 08/26/2015			
DR. BY- KCW			
CHKD.- KMG			
INSP.			

SHEET C-9
WR# 3476906

STA. 1+55, MATCH LINE H-H, SEE SHEET C-9



CURVE TABLE

CURVE	BEGIN STA	END STA	ARC LENGTH	DELTA	RADIUS	TANGENT	CHORD BRG	PI NORTHING	PI EASTING	PC NORTHING	PC EASTING	PT NORTHING	PT EASTING
C1	2+14.66	2+79.22	64.56'	92°29'17"	40.00'	41.78'	N43° 54' 40"E	467265.9196	1286575.7294	467266.0326	1286533.9538	467307.6607	1286574.0289
C2	0+04.31	0+09.03	4.72'	90°01'54"	3.00'	3.00'	N44° 56' 08"W	467581.7332	1286573.5170	467578.7315	1286573.5128	467581.7357	1286570.5153
C3	0+20.47	0+23.95	3.48'	6°38'18"	30.00'	1.74'	S86° 43' 46"W	467581.7469	1286557.3337	467581.7455	1286559.0735	467581.5473	1286555.6053

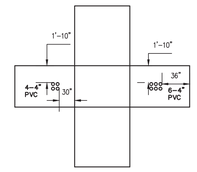
STRUCTURE SCHEDULE

NO	TYPE	SIZE	TOP DUCT ELEV IN	TOP DUCT ELEV OUT	℄ TOP MH ELEV	REMARKS
MH#39	LINE MANHOLE	4.5'* X 6'	268.90	269.57	274.57	CAST IN PLACE – PEPCO DISTRIBUTION STD DWG 2-2-0709
TW#28	TRANSFORMER WELL	36"	271.84	271.84	275.67	PEPCO DISTRIBUTION STD DWG 2-2-0887

* MODIFIED WIDTH TO BE APPROVED BY PEPCO INSPECTOR AND ENGINEER.

CONDUIT LENGTHS

FROM	TO	SIZE IN	TYPE	FORMATION	LENGTH LF
MATCHLINE H-H	MH# 39	4	PVC	4 WAY	385
MH# 39	MATCHLINE I-I	4	PVC	4 WAY	126
MH# 39	TW# 28	4	PVC	2 WAY	38.69
TW# 28	POLE# 774406-120830	4	PVC	2 WAY	7.31



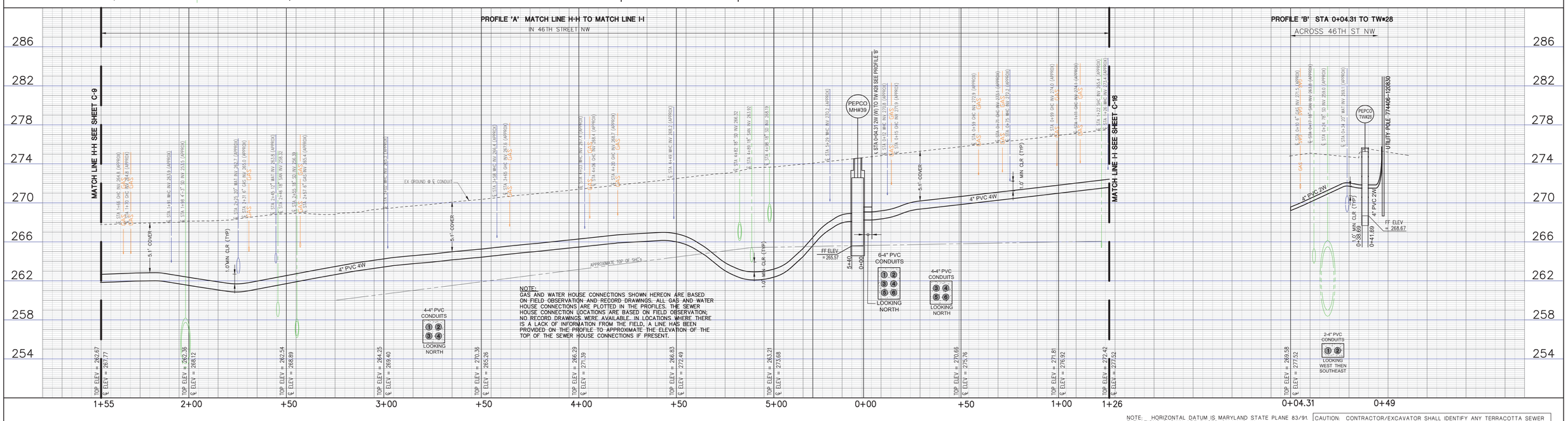
MANHOLE#39
SIZE= 4.5'W x 6'L
STACK H= 2.0'
HEAD ROOM= 7.0'

CONSTRUCTION NOTE:
HAND DIG TRENCH FOR 5' MINIMUM DISTANCE ON EITHER SIDE OF AN EXISTING UTILITY CROSSING TO SATISFY DDOT AND UTILITY REQUIREMENTS. THEN TRENCH THE REST OF THE WAY TO THE NEXT STRUCTURE, OR CROSSING.

20 10 0 20 40
SCALE: 1"=20'
HORIZONTAL SCALE

4 2 0 4 8
SCALE: 1"=4'
VERTICAL SCALE

LAYOUT 7



NOTE: HORIZONTAL DATUM IS MARYLAND STATE PLANE 83/91. ELEVATIONS SHOWN ARE BASED ON NAVD 88.

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DC PLUG

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION PROJECT MANAGEMENT DIVISION

DIVISION CHIEF

DATE

FILE

POLES SHOWN ON THIS PLAN DO NOT CONFLICT WITH WATER, SEWER OR STORM DRAIN
PLAN NO.

TREE PERMISSIONS

	OVERHEAD	UNDERGROUND
PUBLIC PROPERTY	REQUIRED	REQUIRED
PRIVATE PROPERTY	REQUIRED	REQUIRED

PROJECT ID
P52990

REFERENCE DRAWINGS
WR #

WR TYPE. | LOCAL DISTRICT. | CLASSIFICATION.

A.E.	/PHONE	CONTACT	/PHONE
PRINTS		PERMITS	
RECORDS MGT. X		E.D.O.H.	UVP
CCC X		E.D.U.G.	SPC
R/W		WARD	PG SPEC.
SURVEYOR		R/W REQ'D.	PG MAINT.
FDR.MAPS		COUNTY	
METERS		TOWN	
MTR.RDR.		ST.RDS.	
TR.SHOPS		ST.TR.	
PHONE CO.		M.N.C.P.	
GAS CO.		EASMNT.	
C.A.T.V.	TOTAL	W.S.S.C.	TOTAL PRINTS

CREW HQ
BNDU-CA ✓, CO ✓
BNMU-CA ___, CO ___
FSDO-OH ___,URD ___
FSMO-OH ___,URD ___
KNA
RSMO-OH ___,URD ___
RSMU-CA ___, CO ___

TAX DIST. DC
PLAT AREA
FDR. NO.

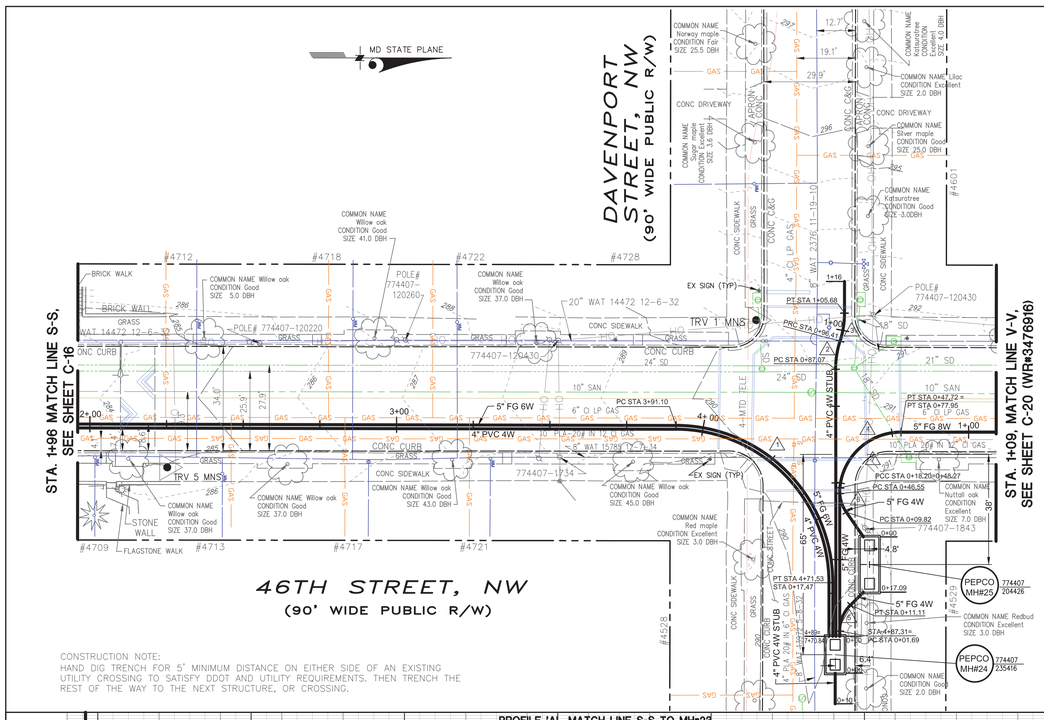
4kV FEEDER 00308 UNDERGROUNDING

PLAN AND PROFILE 46TH ST, NW FROM INTERSECTION WITH BRANDYWINE ST, NW NORTH FROM MATCH LINE H-H TO MATCH LINE I-I

POTOMAC ELECTRIC POWER CO.

SCALE - AS SHOWN	APPD	APPD	APPD
DATE- 09/02/2015			
DR. BY- KCW			
CHKD.- KMG			
INSP.			

SHEET C-10
WR# 3476906



CURVE TABLE

CURVE	BEGIN STA	END STA	ARC LENGTH	DELTA	RADIUS	TANGENT	CHORD BRG	PI NORTHING	PI EASTING	PC NORTHING	PC EASTING	PT NORTHING	PT EASTING
C1	3+91.10	4+71.53	80.43	89.9153	51.25	51.17	N45° 05' 15"E	468162.5249	1286573.8091	468111.3507	1286573.6931	468162.4845	1286624.9834
C2	0+87.07	0+96.41	9.33	17.8256	30.00	4.70	N81° 07' 57"W	468163.4097	1286550.6750	468163.4134	1286555.3797	468164.8464	1286546.1950
C3	0+96.41	1+05.68	9.27	17.7118	30.00	4.67	N81° 04' 32"W	468166.2737	1286541.7440	468164.8464	1286546.1950	468166.2793	1286537.0698
C4	0+42.55	0+73.95	31.40	89.9428	20.00	19.98	N45° 01' 43"W	468164.7288	1286575.9176	468164.7288	1286595.8977	468184.7088	1286575.8977
C5	0+01.69	0+11.11	9.42	45.0000	12.00	4.97	N67° 30' 00"W	468164.7288	1286635.7954	468164.7288	1286640.7660	468168.2435	1286632.2807
C6	0+09.82	0+18.20	8.37	39.9789	12.00	4.37	S75° 21' 59"W	468164.4087	1286598.3770	468166.8888	1286601.9691	468164.8161	1286594.0309
C7	0+18.20	0+47.72	29.53	84.5871	20.00	18.19	N42° 21' 03"W	468166.5144	1286575.9158	468164.8161	1286594.0309	468184.7088	1286575.8977

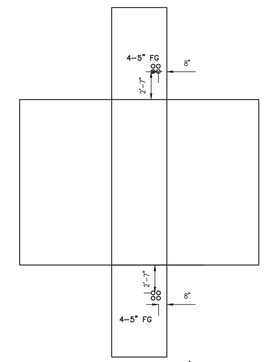
STRUCTURE SCHEDULE

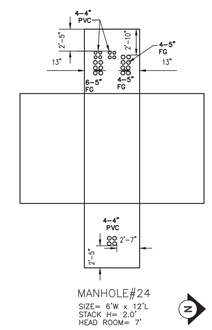
CAST IN PLACE

NO	TYPE	SIZE	TOP DUCT ELEV IN	TOP DUCT ELEV OUT	TOP DUCT ELEV OUT	℄ TOP MH ELEV	REMARKS
MH#24	LINE MANHOLE	6' x 12'	285.52 / 284.52	285.10 / 283.93	285.52 STUB	289.94	PREC'AST – PEPCO DISTRUBUTION STD DWG 2-2-0418
MH#25	4-WAY SF6 SWITCH MANHOLE	6' x 18'	283.83	283.83	–	290.75	~~PREC'AST~~ – PEPCO DISTRUBUTION STD DWG 2-2-1169

CONDUIT LENGTHS

FROM	TO	SIZE IN	TYPE	FORMATION	LENGTH LF
MATCHLINE S-S	MH# 24	5	FG	6 WAY	293
MATCHLINE S-S	MH# 24	4	PVC	4 WAY	293
MH# 24	MH# 25	5	FG	4 WAY	17.09
MH# 24	STUB EAST	4	PVC	4 WAY	10
MH# 24	STUB WEST	4	PVC	4 WAY	116
MH# 24	MATCHLINE V-V	5	FG	4 WAY	109
MH# 25	MATCHLINE V-V	5	FG	4 WAY	78.77

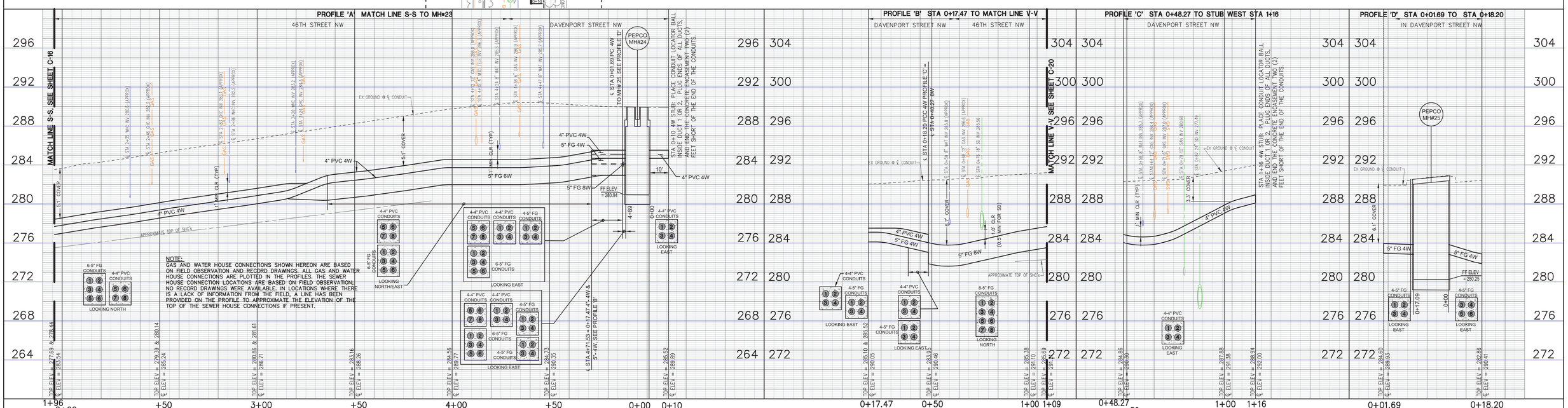




SCALE: 1"=20' HORIZONTAL SCALE

SCALE: 1"=4' VERTICAL SCALE

LAYOUT 14



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DESCRIPTION	CORR	CHKD	APPD	APPD	APPD

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION PROJECT MANAGEMENT DIVISION

DIVISION CHIEF

DATE

FILE

POLES SHOWN ON THIS PLAN DO NOT CONFLICT WITH WATER, SEWER OR STORM DRAIN

PLAN NO.

TREE PERMISSIONS

	OVERHEAD	UNDERGROUND
PUBLIC PROPERTY	REQUIRED	REQUIRED
PRIVATE PROPERTY	REQUIRED	REQUIRED

PROJECT ID P52990

REFERENCE DRAWINGS

WR #

WR TYPE. LOCAL DISTRICT. CLASSIFICATION.

A.E.	/PHONE/	CONTACT	/PHONE/
PRINTS		PERMITS	
RECORDS MGT. X		E.D.O.H.	UVP
CCC X		E.D.U.G.	SPC
R/W		WARD	PG SPEC.
SURVEYOR		R/W REQ'D.	PG MAINT.
FDR.MAPS		COUNTY	
METERS		TOWN	
MTR.RDR.		ST.RDS.	
TR.SHOPS		ST.TR.	
PHONE CO.		M.N.C.P.	
GAS CO.		EASMNT.	
C.A.T.V.		W.S.S.C.	
	TOTAL		TOTAL PRINTS

CREW HQ

BNDU-CA ✓, CO ✓
BNMU-CA __, CO __
FSDO-OH __,URD __
FSMO-OH __,URD __
KNA __
RSMO-OH __,URD __
RSMU-CA __, CO __

TAX DIST. DC

PLAT AREA

FDR. NO.

4kV FEEDER 00308 UNDERGROUNDING

PLAN AND PROFILE

46TH ST, NW MATCH LINE S-S TO MATCH LINE V-V

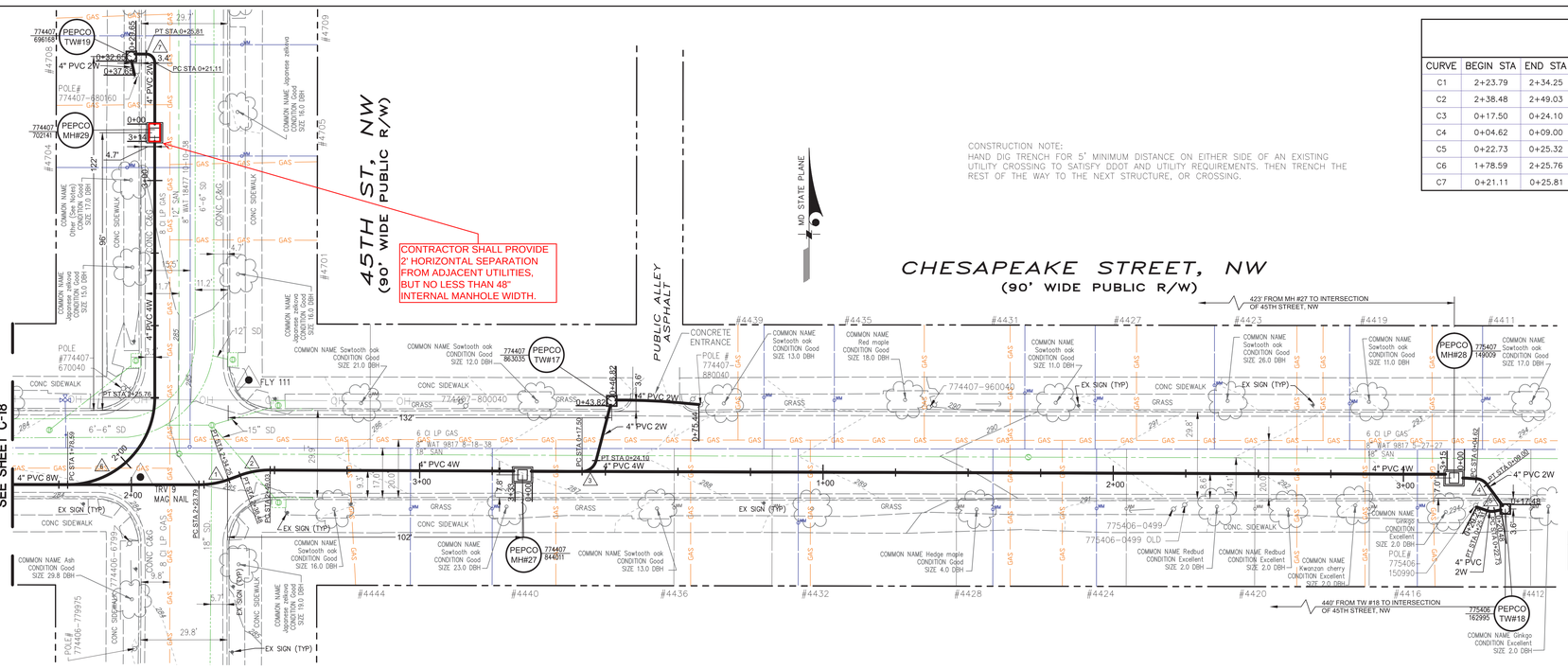
DAVENPORT ST, NW FROM MH#24 TO STUB SOUTH AND FROM MH#24 TO STUB NORTH

POTOMAC ELECTRIC POWER CO.

SCALE - AS SHOWN	APPD	APPD	APPD
DATE- 09/02/2015			
DR. BY- KCW			
CHKD.- KMG			
INSP.			

SHEET C-17

WR# 3476905



CONSTRUCTION NOTE:
HAND DIG TRENCH FOR 5' MINIMUM DISTANCE ON EITHER SIDE OF AN EXISTING UTILITY CROSSING TO SATISFY DDOT AND UTILITY REQUIREMENTS. THEN TRENCH THE REST OF THE WAY TO THE NEXT STRUCTURE, OR CROSSING.

CURVE TABLE

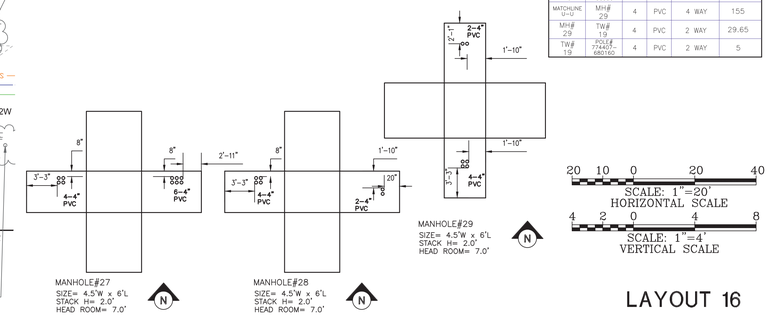
CURVE	BEGIN STA	END STA	ARC LENGTH	DELTA	RADIUS	TANGENT	CHORD BRG	PI NORTHING	PI EASTING	PC NORTHING	PC EASTING	PT NORTHING	PT EASTING
C1	2+23.79	2+34.25	10.46	19.9766	30.00	5.28	N80° 04' 07"E	467753.2417	1287137.4153	467753.2470	1287132.1318	467755.0418	1287142.3827
C2	2+38.48	2+49.03	10.55	20.1485	30.00	5.33	N80° 09' 16"E	467758.2982	1287151.3686	467756.4823	1287146.3576	467758.2769	1287156.6985
C3	0+17.50	0+24.10	6.60	75.6441	5.00	3.88	N52° 21' 57"E	467757.8059	1287268.0478	467757.8186	1287264.1663	467761.5630	1287269.0225
C4	0+04.62	0+09.00	4.38	50.2419	5.00	2.34	S61° 42' 38"E	467755.1790	1287574.6069	467755.3086	1287572.2661	467753.2967	1287576.0043
C5	0+22.73	0+25.32	2.59	29.6612	5.00	1.32	N85° 57' 19"W	467743.8983	1287577.3247	467744.1461	1287578.6253	467744.3266	1287576.0720
C6	1+78.59	2+25.76	47.17	90.0880	30.00	30.05	N45° 00' 46"E	467753.2620	1287116.9783	467753.2918	1287086.9322	467783.3081	1287116.9620
C7	0+21.11	0+25.81	4.70	89.8478	3.00	2.99	N44° 56' 07"W	467901.6478	1287116.9382	467898.6558	1287116.9388	467901.6551	1287113.9462

STRUCTURE SCHEDULE (CAST IN PLACE)

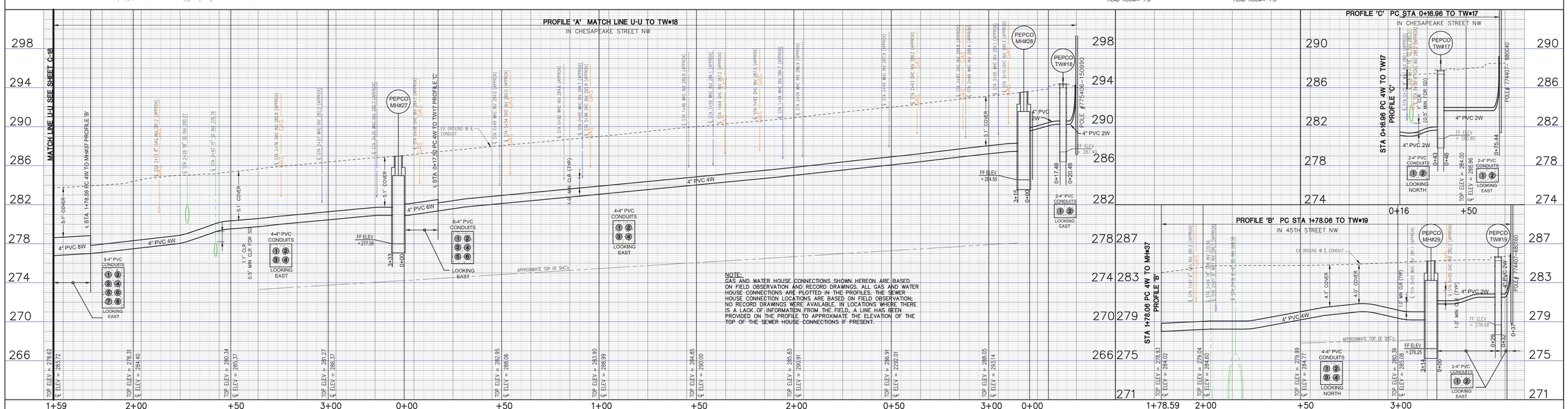
NO	TYPE	SIZE	TOP DUCT ELEV IN	TOP DUCT ELEV OUT	℄ TOP MH ELEV	REMARKS
MH#27	LINE MANHOLE	4.5' x 6'	281.73	282.06	286.98	PRECAST – PEPCO DISTRIBUTION STD DWG 2-2-0709
MH#28	LINE MANHOLE	4.5' x 6'	288.30	289.88	293.55	PRECAST – PEPCO DISTRIBUTION STD DWG 2-2-0709
MH#29	LINE MANHOLE	4.5' x 6'	280.00	281.17	285.25	~~PRECAST~~ – PEPCO DISTRIBUTION STD DWG 2-2-0709
TW#17	TRANSFORMER WELL	36"	281.97	283.97	287.80	PEPCO DISTRIBUTION STD DWG 2-2-0887
TW#18	TRANSFORMER WELL	36"	290.57	290.57	294.40	PEPCO DISTRIBUTION STD DWG 2-2-0887
TW#19	TRANSFORMER WELL	36"	281.85	281.85	285.68	PEPCO DISTRIBUTION STD DWG 2-2-0887

CONDUIT LENGTHS

FROM	TO	SIZE IN	TYPE	FORMATION	LENGTH LF
MATCHLINE U-U	MH# 27	4	PVC	4 WAY	174
MH# 27	TW# 17	4	PVC	2 WAY	43.82
TW# 17	POLE# 774407-880040	4	PVC	2 WAY	28.62
MH# 27	MH# 28	4	PVC	4 WAY	315
MH# 28	TW# 18	4	PVC	2 WAY	17.48
TW# 18	POLE# 775406-150990	4	PVC	2 WAY	8.75
MATCHLINE U-U	MH# 29	4	PVC	4 WAY	155
MH# 29	TW# 19	4	PVC	2 WAY	29.65
TW# 19	POLE# 774407-680160	4	PVC	2 WAY	5



LAYOUT 16



NOTE:
GAS AND WATER HOUSE CONNECTIONS SHOWN HEREON ARE BASED ON FIELD OBSERVATION AND RECORD DRAWINGS. ALL GAS AND WATER HOUSE CONNECTIONS ARE PLOTTED IN THE PROFILES. THE SEWER HOUSE CONNECTION LOCATIONS ARE BASED ON FIELD OBSERVATION; NO RECORD DRAWINGS WERE AVAILABLE. IN LOCATIONS WHERE THERE IS A LACK OF INFORMATION FROM THE FIELD, A LINE HAS BEEN PROVIDED ON THE PROFILE TO APPROXIMATE THE ELEVATION OF THE TOP OF THE SEWER HOUSE CONNECTIONS IF PRESENT.

NOTE: HORIZONTAL DATUM IS MARYLAND STATE PLANE 83/91. ELEVATIONS SHOWN ARE BASED ON NAVD 88.

CAUTION: CONTRACTOR/EXCAVATOR SHALL IDENTIFY ANY TERRACOTTA SEWER MAINS AND EXERCISE EXTRA CAUTION WHEN WORKING AROUND THEM.

KCW Engineering Technologies, Inc.
810 Landmark Drive, Suite 215
Glen Burnie, MD 21061
Phone: 410.768.7700
Fax: 410.768.0200
www.kcw-et.com

DC PLUG

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION PROJECT MANAGEMENT DIVISION

DIVISION CHIEF

DATE

FILE

POLES SHOWN ON THIS PLAN DO NOT CONFLICT WITH WATER, SEWER OR STORM DRAIN
PLAN NO.

TREE PERMISSIONS

	OVERHEAD	UNDERGROUND
PUBLIC PROPERTY	REQUIRED	REQUIRED
PRIVATE PROPERTY	REQUIRED	REQUIRED

PROJECT ID
P52990

REFERENCE DRAWINGS
WR #

WR TYPE. LOCAL DISTRICT. CLASSIFICATION.

A.E.	/PHONE	CONTACT	/PHONE
PRINTS		PERMITS	
RECORDS MGT. X		E.D.O.H.	UVP
C.O. X		E.D.U.G.	SPC
R/W		WARD	PG SPEC.
SURVEYOR		R/W REQ'D.	PG MAINT.
FDR.MAPS		COUNTY	
METERS		TOWN	
MTR.RDR.		ST.RDS.	
TR.SHOPS		ST.TR.	
PHONE CO.		M.N.C.P.	
GAS CO.		EASMNT.	
C.A.T.V.	TOTAL	W.S.S.C.	TOTAL PRINTS

CREW HQ
BNDU-CA ✓, CO ✓
BNMU-CA ___, CO ___
FSDO-OH ___,URD ___
FSMO-OH ___,URD ___
KNA
RSMO-OH ___,URD ___
RSMU-CA ___, CO ___

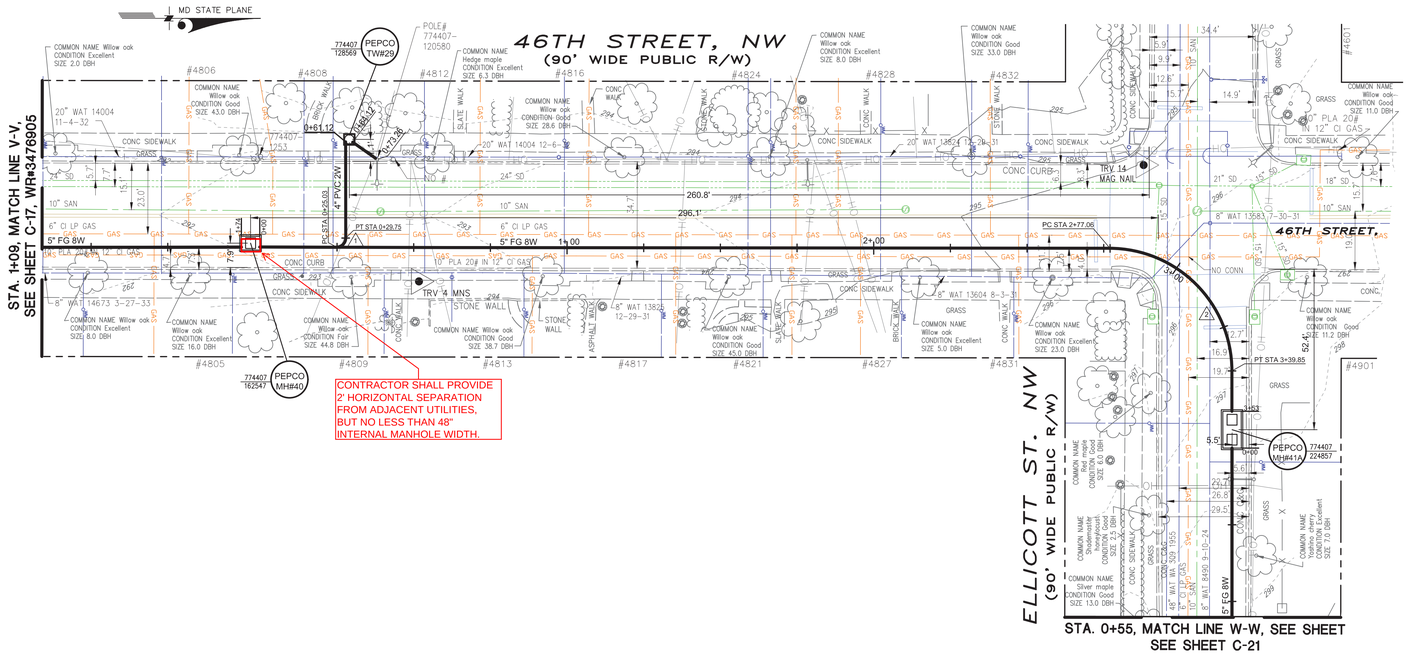
TAX DIST. DC
PLAT AREA
FDR. NO.

4kV FEEDER 00308 UNDERGROUNDING
PLAN AND PROFILE CHESAPEAKE ST, NW
FROM MATCH LINE U-U TO TW#18
45TH ST, NW FROM PC STA 1+78.59 NORTH TO TW#19

POTOMAC ELECTRIC POWER CO.

SCALE - AS SHOWN	APPD	APPD	APPD
DATE- 09/02/2015			
DR. BY- KCW			
CHKD.- KMG			
INSP.			

SHEET C-19
WR# 3476905



CURVE TABLE

CURVE	BEGIN STA	END STA	ARC LENGTH	DELTA	RADIUS	TANGENT	CHORD BRG	PI NORTHING	PI EASTING	PC NORTHING	PC EASTING	PT NORTHING	PT EASTING
1	0+25.03	0+29.75	4.72	90.2358	3.00	3.01	N44° 56' 21"W	468314.7978	1286575.8394	468311.7855	1286575.8301	468314.7948	1286572.8271
2	2+77.06	3+39.85	62.79	89.9339	40.00	39.95	N45° 01' 41"E	468603.7755	1286576.2153	468563.8217	1286576.1727	468603.7791	1286616.1691

STRUCTURE SCHEDULE

NO	TYPE	SIZE	TOP DUCT ELEV IN	TOP DUCT ELEV OUT	℄ TOP MH ELEV	REMARKS
MH#40	LINE MANHOLE	4.5'* x 6'	286.94	287.28	292.11	CAST IN PLACE – PEPCO DISTRIBUTION STD DWG 2–2–0709
MH#41A	LINE MANHOLE	6' x 12'	291.50	292.42	297.33	PRECAST – PEPCO DISTRIBUTION STD DWG 2–2–0418
TW#29	TRANSFORMER WELL	36"	289.17	289.17	293.00	PEPCO DISTRIBUTION STD DWG 2–2–0887

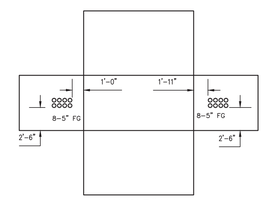
* MODIFIED WIDTH TO BE APPROVED BY PEPCO INSPECTOR AND ENGINEER.

CONSTRUCTION NOTE:
HAND DIG TRENCH FOR 5' MINIMUM DISTANCE ON EITHER SIDE OF AN EXISTING UTILITY CROSSING TO SATISFY DDOT AND UTILITY REQUIREMENTS. THEN TRENCH THE REST OF THE WAY TO THE NEXT STRUCTURE, OR CROSSING.

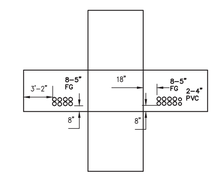
CONSTRUCTION NOTE:
CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING ADJACENT TO THE EXISTING 48" PCCP WATER MAIN THAT WAS INSTALLED IN 1955. ANY DAMAGE TO THIS PIPE WILL REQUIRE SPECIALTY REPAIRS WHICH MUST BE PRE–APPROVED BY DC WATER.

CONDUIT LENGTHS

FROM	TO	SIZE IN	TYPE	FORMATION	LENGTH LF
MATCHLINE V–V	MH#40	5	FG	8 WAY	65
MH#40	MH#41A	5	FG	8 WAY	353
MH#41A	MATCHLINE W–W	5	FG	8 WAY	159
MH#40	TW#29	4	PVC	2 WAY	61.12
TW#29	POLE# 774407–120580	4	PVC	2 WAY	9.14



MANHOLE#41A
SIZE= 6'W x 12'L
STACK H= 2.0'
HEAD ROOM= 7'

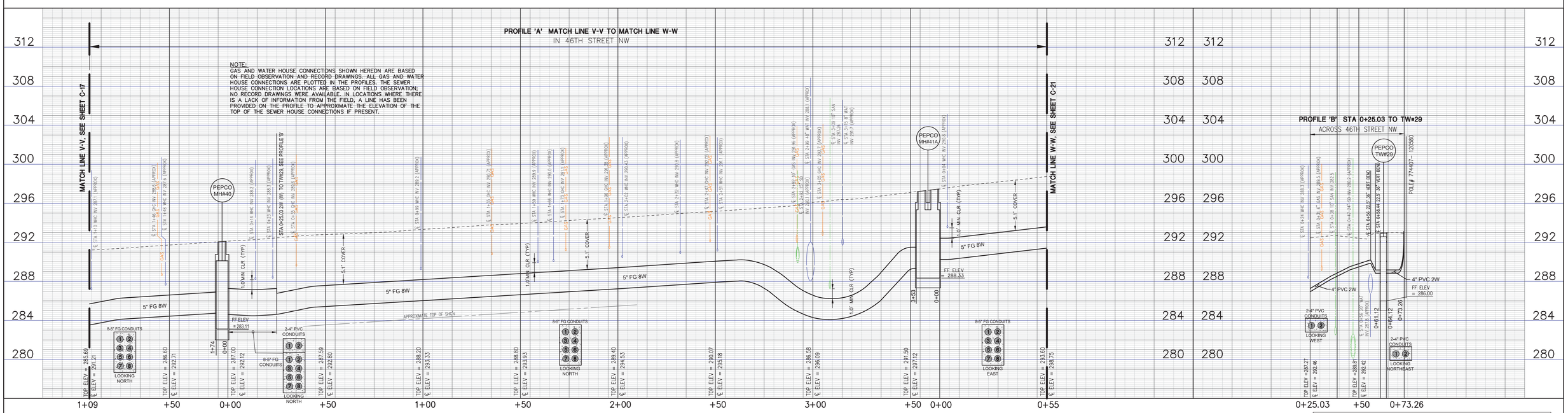


MANHOLE#40
SIZE= 4.5'W x 6'L
STACK H= 2.0'
HEAD ROOM= 7.0'

20 10 0 20 40
SCALE: 1"=20'
HORIZONTAL SCALE

4 2 0 4 8
SCALE: 1"=4'
VERTICAL SCALE

LAYOUT 17



NOTE:
GAS AND WATER HOUSE CONNECTIONS SHOWN HEREON ARE BASED ON FIELD OBSERVATION AND RECORD DRAWINGS. ALL GAS AND WATER HOUSE CONNECTIONS ARE PLOTTED IN THE PROFILES. THE SEWER HOUSE CONNECTION LOCATIONS ARE BASED ON FIELD OBSERVATION; NO RECORD DRAWINGS WERE AVAILABLE. IN LOCATIONS WHERE THERE IS A LACK OF INFORMATION FROM THE FIELD, A LINE HAS BEEN PROVIDED ON THE PROFILE TO APPROXIMATE THE ELEVATION OF THE TOP OF THE SEWER HOUSE CONNECTIONS IF PRESENT.

NOTE: HORIZONTAL DATUM IS MARYLAND STATE PLANE 83/91. ELEVATIONS SHOWN ARE BASED ON NAVD 88.

CAUTION: CONTRACTOR/EXCAVATOR SHALL IDENTIFY ANY TERRACOTTA SEWER MAINS AND EXERCISE EXTRA CAUTION WHEN WORKING AROUND THEM.

KCW ENGINEERING TECHNOLOGIES
KCW Engineering Technologies, Inc.
810 Landmark Drive, Suite 215
Glen Burnie, MD 21061
Phone: 410.768.7700
Fax: 410.768.0200
www.kcw-et.com

DC PLUG

DESCRIPTION	CORR	CHKD	APPD	APPD	APPD

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION PROJECT MANAGEMENT DIVISION

DIVISION CHIEF

DATE

FILE

POLES SHOWN ON THIS PLAN DO NOT CONFLICT WITH WATER, SEWER OR STORM DRAIN
PLAN NO.

TREE PERMISSIONS

	OVERHEAD	UNDERGROUND
PUBLIC PROPERTY	REQUIRED	REQUIRED
PRIVATE PROPERTY	REQUIRED	REQUIRED

PROJECT ID
P52990

REFERENCE DRAWINGS

WR #

WR TYPE. | LOCAL DISTRICT. | CLASSIFICATION.

A.E. /PHONE/ | CONTACT /PHONE/

PRINTS

RECORDS MGT.	X	
CCC	X	
R/W		
SURVEYOR		
FDR.MAPS		
METERS		
MTR.RDR.		
TR.SHOPS		
PHONE CO.		
GAS CO.		
C.A.T.V.		
	TOTAL	

PERMITS

E.D.O.H.	UVP
E.D.U.G.	SPC
WARD	PG SPEC.
R/W REQ'D.	PG MAINT.
COUNTY	
TOWN	
ST.RDS.	
ST.TR.	
M.N.C.P.	
EASMNT.	
W.S.S.C.	TOTAL PRINTS

CREW HQ

BNDU-CA ✓	CO ✓
BNMU-CA ___	CO ___
FSDO-OH ___	URD ___
FSMO-OH ___	URD ___
KNA	
RSMO-OH ___	URD ___
RSMU-CA ___	CO ___

4kV FEEDER 00308 UNDERGROUNDING

PLAN AND PROFILE 46TH ST, NW FROM MATCH LINE V-V NORTH TO ELLICOTT ST, NW EAST TO MATCH LINE W-W

TAX DIST. DC

POTOMAC ELECTRIC POWER CO.

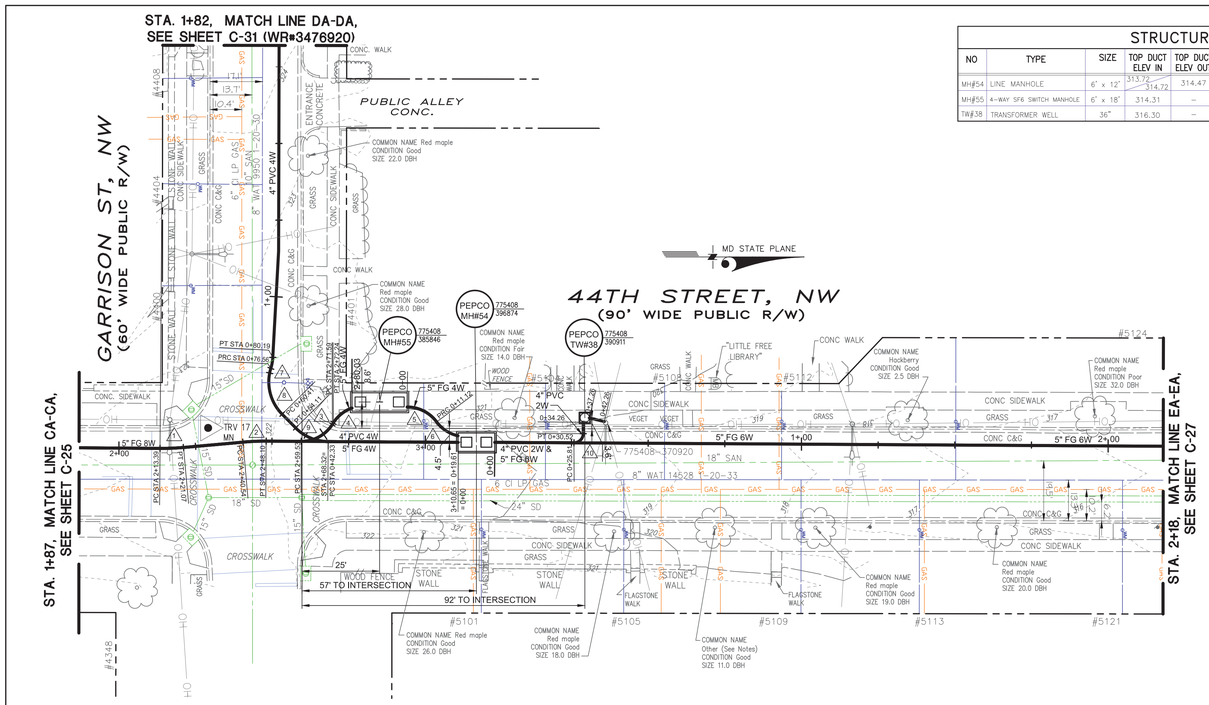
PLAT AREA

FDR. NO.

SCALE - AS SHOWN	APPD	APPD	APPD
DATE- 08/26/2015			
DR. BY- KCW			
CHKD.- KMG			
INSP.			

SHEET C-20

WR# 3476916



STRUCTURE SCHEDULE

CAST IN PLACE

NO	TYPE	SIZE	TOP DUCT ELEV IN	TOP DUCT ELEV OUT	TOP DUCT ELEV OUT	℄ TOP MH ELEV	REMARKS
MH#54	LINE MANHOLE	6' x 12'	313.72 314.72	314.47	314.47 313.97	320.22	~~PRECAST~~ DISTRUBUTION STD DWG 2-2-0418
MH#55	4-WAY SF6 SWITCH MANHOLE	6' x 18'	314.31	–	314.56	321.89	PRECAST PEPCO DISTRUBUTION STD DWG 2-2-1169
TW#38	TRANSFORMER WELL	36"	316.30	–	316.30	320.13	PEPCO DISTRUBUTION STD DWG 2-2-0887

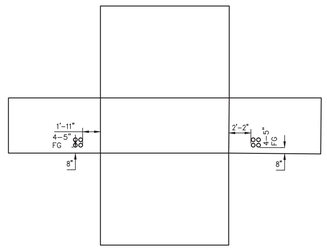
CURVE TABLE

CURVE	BEGIN STA	END STA	ARC LENGTH	DELTA	RADIUS	TANGENT	CHORD BRG	PI NORTHING	PI EASTING	PC NORTHING	PC EASTING	PT NORTHING	PT EASTING
C1	2+13.39	2+21.07	7.67	5.4967	80.00	3.84	N2° 19' 47"W	469527.1615	1287811.7634	469523.3213	1287811.7353	469530.9868	1287811.4235
C2	2+40.54	2+48.10	7.56	5.4180	80.00	3.79	N2° 22' 08"W	469554.1492	1287809.3653	469550.3787	1287809.7003	469557.9344	1287809.3877
C3	2+59.53	2+71.59	12.06	57.5586	12.00	6.59	N28° 26' 21"W	469575.9530	1287809.4947	469569.3618	1287809.4555	469579.5219	1287803.9530
C4	2+72.24	2+80.03	7.80	37.2185	12.00	4.04	N38° 36' 33"W	469582.0624	1287800.0080	469579.8747	1287803.4051	469585.8593	1287798.6261
C5	0+00.00	0+11.12	11.12	53.1157	12.00	6.00	N26° 47' 16"E	469609.9344	1287798.3054	469603.9363	1287785.6364	469560.0998	1287782.0693
C6	0+11.12	0+19.61	8.49	40.5272	12.00	4.43	N33° 04' 55"E	469616.1600	1287806.6716	469613.5152	1287798.2814	469613.5152	1287803.1174
C7	0+76.56	0+80.19	3.63	13.8731	15.00	1.82	N79° 54' 53"W	469559.9996	1287783.8915	469559.4654	1287785.6364	469560.0998	1287782.0693
C8	0+60.41	0+76.56	16.15	61.6817	15.00	8.96	S76° 10' 51"W	469556.8435	1287794.2004	469563.1389	1287800.5709	469559.4654	1287785.6364
C9	0+42.33	0+54.11	11.78	45.0000	15.00	6.21	S22° 50' 24"W	469571.9338	1287809.4708	469578.1469	1287809.5077	469567.5665	1287805.0514
C10	0+25.81	0+30.52	4.71	90.0000	3.00	3.00	N44° 39' 36"W	469661.2885	1287809.9299	469658.2885	1287809.9121	469661.3063	1287806.9300

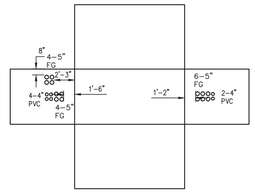
CONSTRUCTION NOTE:
HAND DIG TRENCH FOR 5' MINIMUM DISTANCE ON EITHER SIDE OF AN EXISTING UTILITY CROSSING TO SATISFY DDOT AND UTILITY REQUIREMENTS. THEN TRENCH THE REST OF THE WAY TO THE NEXT STRUCTURE, OR CROSSING.

CONDUIT LENGTHS

FROM	TO	SIZE IN	TYPE	FORMATION	LENGTH LF
MATCHLINE CA-CA	MH#54	5	FG	4 WAY	123.65
MH#54	MATCHLINE EA-EA	5	FG	6 WAY	218
MATCHLINE CA-CA	MH#55	5	FG	4 WAY	93.03
MH#55	MH#54	5	FG	4 WAY	17
MH#54	TW#38	4	PVC	2 WAY	34.26
TW#38	POLE# 775408-370920	4	PVC	2 WAY	5
MATCHLINE DA-DA	MH#54	4	PVC	4 WAY	182



MANHOLE#55
SIZE= 6'W x 18'L
STACK H= NA, 6" FLUSH SIDEWALK
HEAD ROOM= 10'

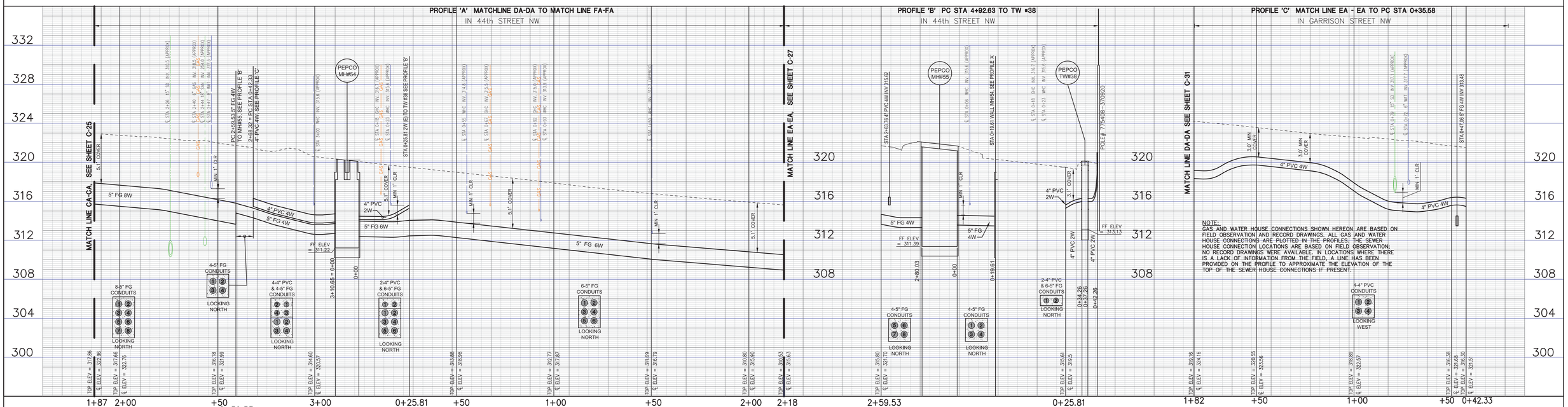


MANHOLE#54
SIZE= 6'W x 12'L
STACK H= 2.0'
HEAD ROOM= 7'

20 10 0 20 40
SCALE: 1"=20'
HORIZONTAL SCALE

4 2 0 4 8
SCALE: 1"=4'
VERTICAL SCALE

LAYOUT 23



NOTE: HORIZONTAL DATUM IS MARYLAND STATE PLANE 83/91. ELEVATIONS SHOWN ARE BASED ON NAVD 88.

CAUTION: CONTRACTOR/EXCAVATOR SHALL IDENTIFY ANY TERRACOTTA SEWER MAINS AND EXERCISE EXTRA CAUTION WHEN WORKING AROUND THEM.

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Glen Burnie, MD 21061
Phone: 410.768.7700
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DESCRIPTION	CORR	CHKD	APPD	APPD	APPD

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION PROJECT MANAGEMENT DIVISION

DIVISION CHIEF

DATE

FILE

POLES SHOWN ON THIS PLAN DO NOT CONFLICT WITH WATER, SEWER OR STORM DRAIN
PLAN NO.

TREE PERMISSIONS

	OVERHEAD	UNDERGROUND
PUBLIC PROPERTY	REQUIRED	REQUIRED
PRIVATE PROPERTY	REQUIRED	REQUIRED

PROJECT ID
P52990

REFERENCE DRAWINGS
WR #

WR TYPE. | LOCAL DISTRICT. | CLASSIFICATION.

A.E.	/PHONE	CONTACT	/PHONE
PRINTS		PERMITS	
RECORDS MGT. X		E.D.O.H.	UVP.
CCC X		E.D.U.G.	SPC.
R/W		WARD	PG SPEC.
SURVEYOR		R/W. REQ'D.	PG MAINT.
FDR.MAPS		COUNTY	
METERS		TOWN	
MTR.RDR.		ST.RDS.	
TR.SHOPS		ST.TR.	
PHONE CO.		M.N.C.P.	
GAS CO.		EASMNT.	
C.A.T.V.	TOTAL	W.S.S.C.	TOTAL PRINTS

CREW HQ
BNDU-CA ✓, CO ✓
BNMU-CA ___, CO ___
FSDO-OH ___,URD ___
FSMO-OH ___,URD ___
KNA
RSMO-OH ___,URD ___
RSMU-CA ___, CO ___

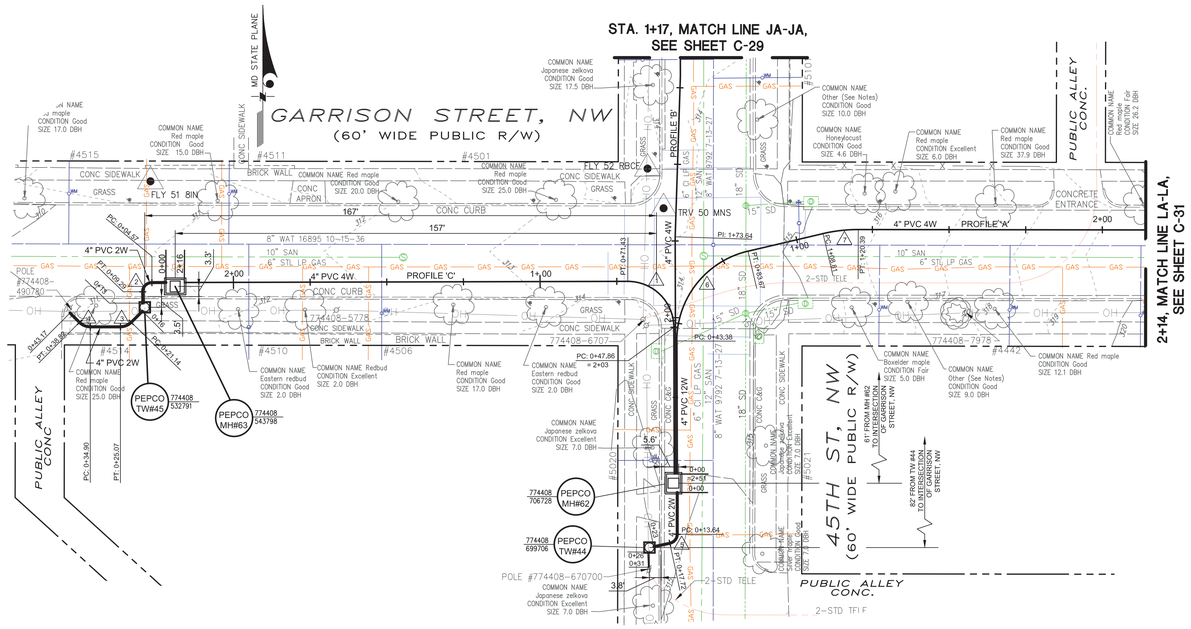
TAX DIST. DC
PLAT AREA
FDR. NO.

4kV FEEDER 00308 UNDERGROUNDING
PLAN AND PROFILE 44TH ST, NW FROM MATCH LINE DA-DA TO MATCH LINE FA-FA AND GARRISON ST, NW FROM MATCH LINE EA-EA TO MH#54

POTOMAC ELECTRIC POWER CO.

SCALE - AS SHOWN	APPD	APPD	APPD
DATE- 08/26/2015			
DR. BY- KCW			
CHKD.- KMG			
INSP.			

SHEET C-26
WR# 3476919



CURVE TABLE

CURVE	BEGIN STA	END STA	ARC LENGTH	DELTA	RADIUS	TANGENT	CHORD BRG	PI NORTHING	PI EASTING	PC NORTHING	PC EASTING	PT NORTHING	PT EASTING
C1	0+47.86	0+71.43	23.57'	90°00'02"	15.00'	15.00'	N 45° 08' 43" W	469,546.0326'	1,287,118.4614'	469,531.0325'	1,287,118.4994'	469,545.9945'	1,287,103.4613'
C2	0+04.57	0+09.29	4.72'	90°00'23"	3.00'	3.00'	S 44° 51' 04" W	469,545.5926'	1,286,945.3131'	469,545.6002'	1,286,948.3134'	469,542.5923'	1,286,945.3210'
C3	0+21.14	0+25.07	3.93'	45°00'00"	5.00'	2.07'	S 67° 30' 00" W	469,531.1480'	1,286,940.1021'	469,532.6124'	1,286,941.5666'	469,531.1480'	1,286,938.0311'
C4	0+34.90	0+38.82	3.92'	45°00'00"	5.00'	2.07'	N 67° 30' 00" W	469,531.1480'	1,286,926.1327'	469,531.1480'	1,286,928.2038'	469,532.6124'	1,286,924.6682'
C5	0+13.64	0+17.72	4.08'	77°54'37"	3.00'	2.43'	S 39° 02' 08" W	469,461.0984'	1,287,119.5832'	469,463.5239'	1,287,119.5866'	469,460.5937'	1,287,117.2108'
C6	0+43.38	0+83.67	40.29'	76°57'02"	30.00'	23.84'	N 38° 19' 49" E	469,550.3904'	1,287,119.4504'	469,526.5486'	1,287,119.5107'	469,555.8325'	1,287,142.6629'
C7	1+08.81	1+20.39	11.58'	13°16'29"	50.00'	5.82'	N 83° 26' 34" E	469,562.8978'	1,287,172.7991'	469,561.5698'	1,287,167.1345'	469,562.8897'	1,287,178.6174'

CONSTRUCTION NOTE:
HAND DIG TRENCH FOR 5' MINIMUM DISTANCE ON EITHER SIDE OF AN EXISTING UTILITY CROSSING TO SATISFY DDOT AND UTILITY REQUIREMENTS. THEN TRENCH THE REST OF THE WAY TO THE NEXT STRUCTURE, OR CROSSING.

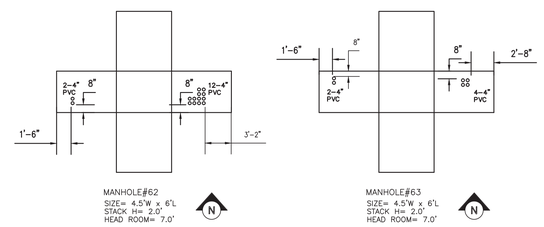
STRUCTURE SCHEDULE

CAST IN PLACE

NO	TYPE	SIZE	TOP DUCT ELEV IN	TOP DUCT ELEV OUT	℄ TOP MH ELEV	REMARKS
MH#62	LINE MANHOLE	4.5' x 6'	309.48	311.15	314.65	~~PRECAST~~ – PEPCO DISTRIBUTION STD DWG 2-2-0709
MH#63	LINE MANHOLE	4.5' x 6'	306.25	307.42	310.92	PRECAST – PEPCO DISTRIBUTION STD DWG 2-2-0709
TW#44	TRANSFORMER WELL	36"	311.57	311.57	315.40	PEPCO DISTRIBUTION STD DWG 2-2-0887
TW#45	TRANSFORMER WELL	36"	307.57	305.57	311.40	PEPCO DISTRIBUTION STD DWG 2-2-0887

CONDUIT LENGTHS

FROM	TO	SIZE IN	TYPE	FORMATION	LENGTH LF
MATCHLINE LA-LA	MH#62	4	PVC	4 WAY	134
MH#62	TW#44	4	PVC	2 WAY	23
TW#44	POLE# 774408-670700	4	PVC	2 WAY	5
MH#62	MATCHLINE LA-LA	4	PVC	4 WAY	214
MH#62	MH#63	4	PVC	4 WAY	216
MH#63	TW#45	4	PVC	2 WAY	13
TW#45	POLE# 774408-490780	4	PVC	2 WAY	29



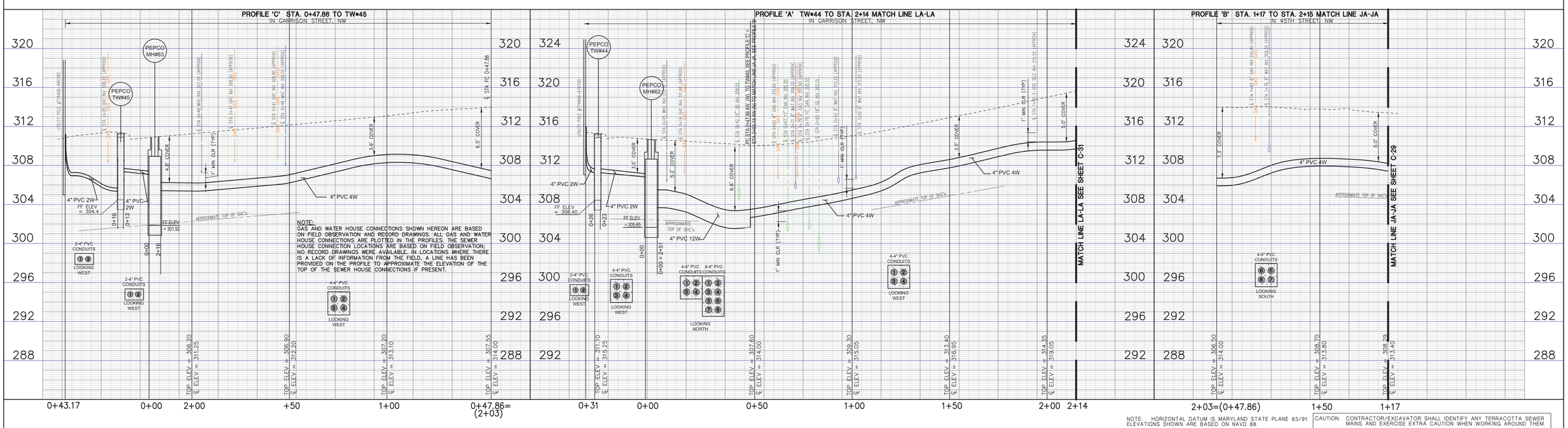
MANHOLE#62
SIZE= 4.5'W x 6'L
STACK H= 2.0'
HEAD ROOM= 7.0'

MANHOLE#63
SIZE= 4.5'W x 6'L
STACK H= 2.0'
HEAD ROOM= 7.0'

20 10 0 20 40
SCALE: 1"=20'
HORIZONTAL SCALE

4 2 0 4 8
SCALE: 1"=4'
VERTICAL SCALE

LAYOUT 27



NOTE: HORIZONTAL DATUM IS MARYLAND STATE PLANE 83/91. ELEVATIONS SHOWN ARE BASED ON NAVD 88.

CAUTION: CONTRACTOR/EXCAVATOR SHALL IDENTIFY ANY TERRACOTTA SEWER MAINS AND EXERCISE EXTRA CAUTION WHEN WORKING AROUND THEM.

KCW Engineering Technologies, Inc.
810 Landmark Drive, Suite 215
Glen Burnie, MD 21061
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DESCRIPTION	CORR	CHKD	APPD	APPD	APPD

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION PROJECT MANAGEMENT DIVISION

DIVISION CHIEF

DATE

FILE

POLES SHOWN ON THIS PLAN DO NOT CONFLICT WITH WATER, SEWER OR STORM DRAIN
PLAN NO.

TREE PERMISSIONS

	OVERHEAD	UNDERGROUND
PUBLIC PROPERTY	REQUIRED	REQUIRED
PRIVATE PROPERTY	REQUIRED	REQUIRED

PROJECT ID
P52990

REFERENCE DRAWINGS

WR #

WR TYPE.
LOCAL DISTRICT.
CLASSIFICATION.

A.E. /PHONE·
CONTACT /PHONE·

PRINTS

RECORDS MGT.	X	
CCC	X	
R/W		
SURVEYOR		
FDR.MAPS		
METERS		
MTR.RDR.		
TR.SHOPS		
PHONE CO.		
GAS CO.		
C.A.T.V.		
	TOTAL	

PERMITS

E.D.O.H.	UVP
E.D.U.G.	SPC
WARD	PG SPEC.
R/W REQ'D.	PG MAINT.
COUNTY	
TOWN	
ST.RDS.	
ST.TR.	
M.N.C.P.	
EASMNT.	
W.S.S.C.	
	TOTAL PRINTS

CREW HQ

BNDU-CA ✓, CO ✓
BNMU-CA ___, CO ___
FSDO-OH ___,URD ___
FSMO-OH ___,URD ___
KNA ___
RSMO-OH ___,URD ___
RSMU-CA ___, CO ___

TAX DIST. DC
PLAT AREA
FDR. NO.

4kV FEEDER 00308 UNDERGROUNDING

PLAN AND PROFILE GARRISON ST, NW FROM MATCH LINE LA-LA WEST ACROSS 45TH ST, NW TO TW#45
45TH ST, NW FROM MATCH LINE JA-JA SOUTH TO TW#44

POTOMAC ELECTRIC POWER CO.

SCALE · AS SHOWN	APPD	APPD	APPD
DATE· 09/02/2015			
DR. BY· KCW			
CHKD.· KMG			
INSP.			

SHEET C-30
WR# 3476920

LIST OF PAY ITEMS

Rev. 10/23/15, Amd. No. 3 ~~9/01/2015~~

ITEM CODE NUMBER	QUANTITY	UNIT	DESCRIPTION
108 002	1	LS	MOBILIZATION
108 004	1	LS	PROGRESS PHOTOGRAPHS
108 012	1	LS	ENGINEERS FIELD FACILITIES
108 016	1	LS	FIELD LAYOUT
209 002	6613	CY	AGGREGATE BASE COURSE
212 003	120	EA	TEST PIT SPECIAL ITEM
402 010	2934	TON	SUPERPAVE SURFACE COURSE, 12.5 MM
403 002	26974	SY	TACK COAT
405 016	1552	TON	TEMPORARY AC SUPERPAVE SURFACE COURSE, 12.5 MM
410 002	26974	SY	PAVEMENT PROFILING (MILLING)
501 022	1769	CY	PORTLAND CEMENT CONCRETE
502 004	2321	CY	PCC BASE FOR UTILITY CUTS
502 006	384	CY	PCC BASE, 8 INCH
605 018	226	SY	REPAIR-REPLACE PCC SIDEWALK, 4 INCHES
605 026	11	SY	BRICK SIDEWALK ON PCC BASE
605 038	2	SY	BLOCK SIDEWALK REPAIR ON PCC BASE
606 002	303	LF	PCC CURB
606 004	1056	LF	PCC CURB AND/OR GUTTER
606 064	165	LF	FURNISH AND SET 8" X 12" GRANITE STRAIGHT CURB
606 066	22	LF	FURNISH AND SET 8" X 12" GRANITE CIRCULAR CURB, RADIUS UNDER 10 FT
606 082	53	LF	RESET STONE CURB
606 098	12	EACH	PCC WHEELCHAIR/BICYCLE RAMP - NEW CONSTRUCTION
607 020	402	SY	SOD WITH 4" INCH TOPSOIL
608 002	4	EACH	REMOVE TREE AND STUMP UP TO 6 INCH DIA
608 006	2	EACH	REMOVE TREE AND STUMP 12 TO 18 INCH DIA
608 008	1	EACH	REMOVE TREE AND STUMP 18 TO 24 INCH DIA
608 072	237	EACH	TREE PROTECTION AND REPLACEMENT
612 002	1	LS	MAINTENANCE OF HIGHWAY TRAFFIC - CONDUIT AND MANHOLE CONSTRUCTION
612 013	1	LS	MAINTENANCE OF HIGHWAY TRAFFIC - RIGHT OF WAY RESTORATION
612 054	1177	LF	THERMOPLASTIC PAVEMENT MARKING, 4 INCH SOLID
612 058	3669	LF	THERMOPLASTIC PAVEMENT MARKING, 6 INCH SOLID
612 064	1342	LF	THERMOPLASTIC PAVEMENT MARKING, 12 INCH
612 066	1334	LF	THERMOPLASTIC PAVEMENT MARKING, 24 INCH
612 068	4	EACH	THERMOPLASTIC PAVEMENT LETTER
612 070	1	EACH	THERMOPLASTIC PAVEMENT ARROW
612 104	120	EACH	STEEL PROTECTION PLATE
612 092	6	EACH	TRUCK MOUNTED ATTENUATOR
612 100	4	EACH	PORTABLE CHANGEABLE MESSAGE SIGN
618 991	1	LS	EROSION AND SEDIMENT CONTROL
620 062	~~4~~ 3	EACH	INSTALL PRECAST SIDEWALK SWITCH MANHOLE (6' x 18' x ALL DEPTHS)
620 063	~~16~~ 14	EACH	INSTALL PRECAST ROADWAY MANHOLE (6' x 12' x ALL DEPTHS)
620 064	~~40~~ 35	EACH	INSTALL PRECAST ROADWAY MANHOLE (4.5' x 6' x ALL DEPTHS)
620 066	1	EACH	CONSTRUCT CAST IN PLACE SIDEWALK SWITCH MANHOLE (6' x 18' x ALL DEPTHS)
620 067	2	EACH	CONSTRUCT CAST IN PLACE ROADWAY MANHOLE (6' x 12' x ALL DEPTHS)
620 068	~~2~~ 7	EACH	CONSTRUCT CAST IN PLACE ROADWAY MANHOLE (4.5' x 6' x ALL DEPTHS)
620 069	~~2296~~ 2268	LF	INSTALL 2 WAY CONDUIT, 4 INCH PVC (ALL DEPTHS)
620 070	~~11213~~ 11132	LF	INSTALL 4 WAY CONDUIT, 4 INCH PVC (ALL DEPTHS)
620 071	11	LF	INSTALL 6 WAY CONDUIT, 4 INCH PVC (ALL DEPTHS)
621 072	536	LF	INSTALL 8 WAY CONDUIT, 4 INCH PVC (ALL DEPTHS)
620 074	2646	LF	INSTALL 2 WAY CONDUIT, 5 INCH FIBERGLASS (ALL DEPTHS)
620 075	3053	LF	INSTALL 8 WAY CONDUIT, 5 INCH FIBERGLASS (ALL DEPTHS)
620 076	2318	LF	INSTALL 4 WAY CONDUIT, 5 INCH FIBERGLASS (ALL DEPTHS)
620 077	2921	LF	INSTALL 6 WAY CONDUIT, 5 INCH FIBERGLASS (ALL DEPTHS)
620 078	5	LF	INSTALL 2 WAY CONCRETE ENCASED FIBERGLASS DUCTBANK WITH DUAL POLE BENDS
620 081	6	EACH	INSTALL PRECAST CONCRETE TAPHOLE (3.5' L x 3.5' W x 4' D)
620 082	~~46~~ 45	EACH	INSTALL PRECAST CONCRETE WELL CASING (3'-6" ID x 6.5' H)
620 084	264	LF	INSTALL 2 WAY CONCRETE ENCASED PVC DUCTBANK WITH DUAL POLE BENDS
620 085	3260	CY	UNDERCUT EXCAVATION AND BACKFILL
620 086	1553	CY	BORROW EXCAVATION BACKFILL
620 090	17967	CY	EXCAVATION AND BACKFILL FOR PEPCO FACILITY CONSTRUCTION
620 091	33	CY	THERMAL BACKFILL
620 092	1	EACH	INSTALL FIBERGLASS STREET LIGHT SPLICE BOX (13" W x 24" D x 24" H)
620 094	4	EACH	INSTALL FIBERGLASS PAD MOUNTED TRANSFORMER BASE (4' - 3"x4' - 8")

INSERT ADDITIONAL ITEMS

ITEM CODE NUMBER	QUANTITY	UNIT	DESCRIPTION
620 059	1	EACH	REBUILD EXISTING MANHOLE (4.5' x 6' TO 6' x 12' ALL DEPTHS
620 060	1	EACH	CONSTRUCT A CAST-IN-PLACE ROADWAY MANHOLE OVER EXISTING DUCTBANK (6' x 12' ALL DEPTHS)
620 061	1	EACH	CONSTRUCT A CAST-IN-PLACE SIDEWALK UG SWITCH MANHOLE OVER EXISTING DUCTBANK (6' x 18' ALL DEPTHS)

NOTE:
The quantities may vary from those shown and they are to be used by the Contractor for bidding purposes only. The Contractor is responsible for and shall verify all quantities, measurements, conditions, plans and drawings prior to submission of bid. Rock excavation was not included in this estimate.

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DESCRIPTION	CORR	CHKD	APPD	APPD	APPD

REVISIONS

D.C. DEPARTMENT OF TRANSPORTATION PROJECT MANAGEMENT DIVISION

DIVISION CHIEF

DATE

FILE

POLES SHOWN ON THIS PLAN DO NOT CONFLICT WITH WATER, SEWER OR STORM DRAIN
PLAN NO:

TREE PERMISSIONS

	OVERHEAD	UNDERGROUND
PUBLIC PROPERTY	REQUIRED	REQUIRED
PRIVATE PROPERTY	REQUIRED	REQUIRED

PROJECT ID
P52990

WR #s
WR # 3442306, 3476905, 3476906, 3476916, 3476917, 3476919 & 3476920

WR TYPE.
LOCAL DISTRICT.
CLASSIFICATION.

A.E. /PHONE:
CONTACT /PHONE:

PRINTS

RECORDS MGT.	X	
CCC	X	
R/W		
SURVEYOR		
FDR.MAPS		
METERS		
MTR.RDR.		
TR.SHOPS		
PHONE CO.		
GAS CO.		
C.A.T.V.		
	TOTAL	

PERMITS

E.D.O.H.		UVP	
E.D.U.G.		SPC	
WARD		PG SPEC.	
R/W REQ'D.		PG MAINT.	
COUNTY			
TOWN			
ST.RDS.			
ST.TR.			
M.N.C.P.			
EASMNT.			
W.S.S.C.		TOTAL PRINTS	

CREW HQ
BNDU-CA ✓, CO ✓
BNMU-CA ___, CO ___
FSDO-OH ___,URD ___
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KNA
RSMO-OH ___,URD ___
RSMU-CA ___, CO ___

TAX DIST.
DC

PLAT AREA

FDR. NO.

4kV FEEDER 00308 UNDERGROUNDING
CIVIL QUANTITIES

POTOMAC ELECTRIC POWER CO.

SCALE - AS SHOWN	APPD	APPD	APPD
DATE: 09/02/2015			
DR. BY: KCW			
CHKD.: KMG			
INSP.			

SHEET C-47