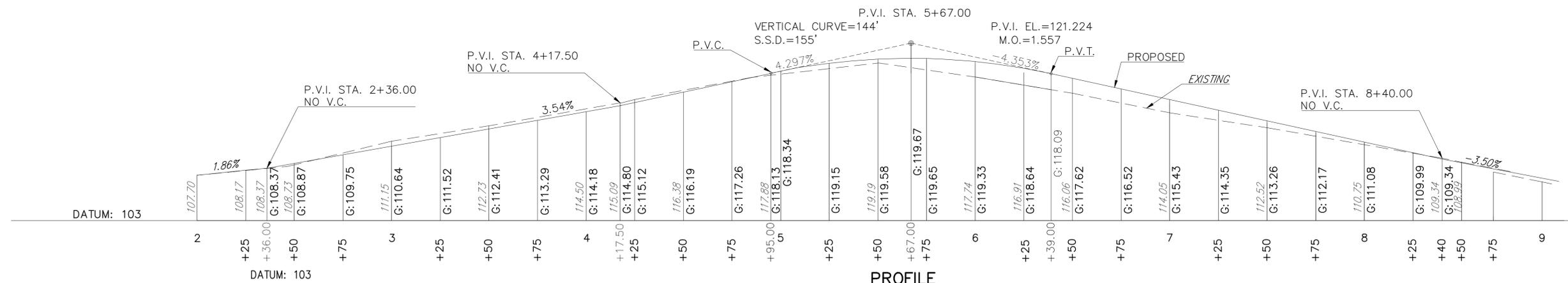
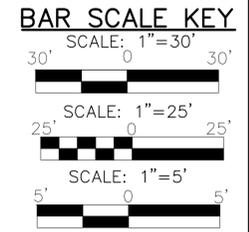


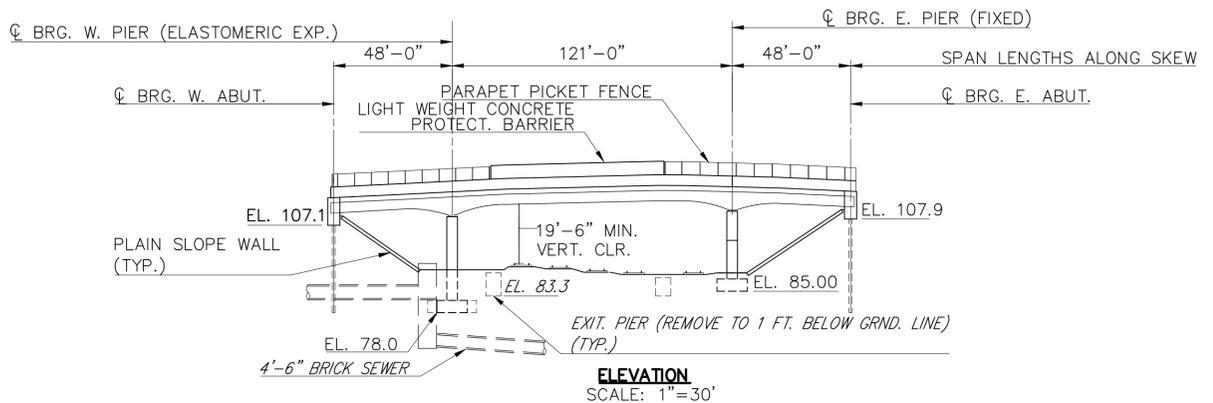
PLAN
SCALE: 1" = 30'



PROFILE
HORIZONTAL SCALE: 1"=25'
VERTICAL SCALE: 1"=5'



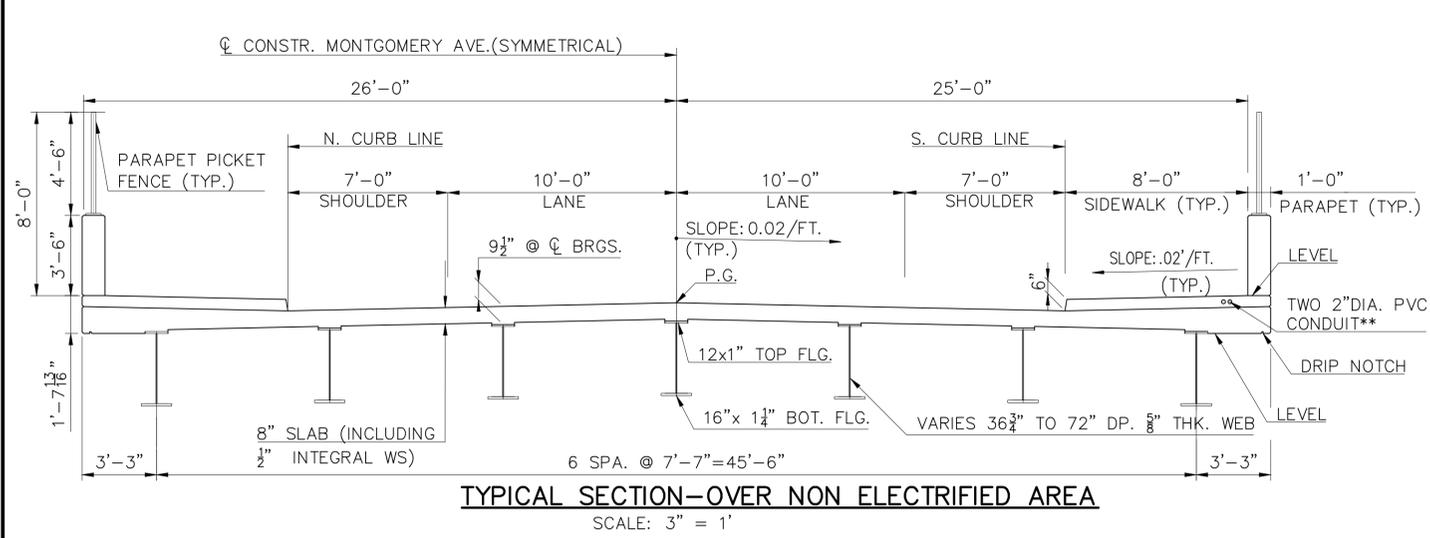
- NOTE:**
- FOR BORING TABLE SEE SHEET 04.
 - FOR TYPICAL SECTION SEE SHEET 04.
 - FOR BRIDGE LOAD RATINGS, SEE SHEET 04.
 - FOR GENERAL NOTES, SEE SHEET 01.



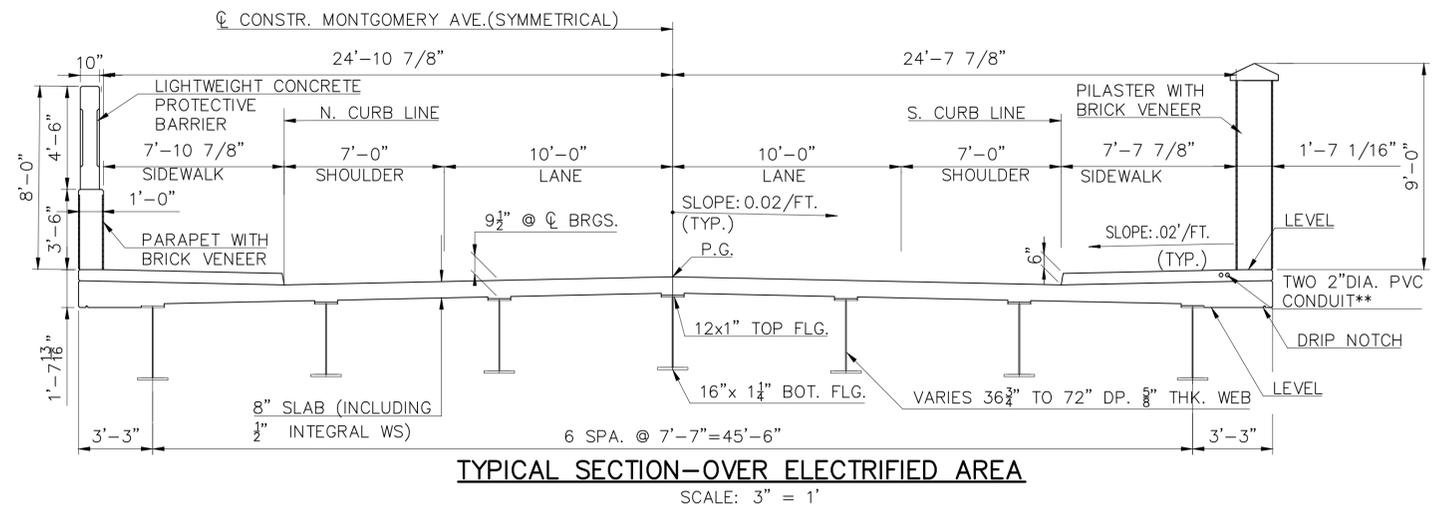
ELEVATION
SCALE: 1" = 30'

LEGEND			
-C&S-	CABLE & SIGNAL	□	GAS VALVE BOX
-FOU-	FIBER OPTIC UNDERGROUND	⊗	WATER VALVE BOX
-G-	PHILADELPHIA GAS WORKS	⊠	SEWER VENT BOX
-SEPTA-	SEPTA	⊞	FIRE HYDRANT
-S-	SEWER MAIN	⊕	STREET SIGN
-STD. E-	STD. ELECTRIC	⊙	TREE
-VT-	VERIZON TELEPHONE DUCT	⊞	INLET
-W-	WATER MAIN	⊕	PROPOSED ST. LIGHT POLE
-PO-	PRIVATELY OWNED	⊠	PROPERTY OWNER SEE SHT.3
○	MANHOLE	⊙	PECO POLE
⊞	PECO POLE W/ ST. LIGHT	⊞	ADA RAMP

NUMBER	REVISIONS	BY	DATE
#	SUMMARY	XXX	##/##/##
MONTGOMERY AVENUE OVER AMTRAK & CONRAIL STEEL GIRDER BRIDGE B-0185-2001 / BPAA-672260 GENERAL PLAN			
CORRECT		ENGINEER OF DESIGN	
DRAWN BY:		CITY OF PHILADELPHIA DEPARTMENT OF STREETS PHILADELPHIA, PA	
DATE:	09/02/2014	DATE:	02/17/2016
CHECKED BY:	C.J.M.	DATE:	02/17/2016
SCALE:	1" = 25'-0"	SHEET:	03 OF 57



TYPICAL SECTION-OVER NON ELECTRIFIED AREA
SCALE: 3" = 1'



TYPICAL SECTION-OVER ELECTRIFIED AREA
SCALE: 3" = 1'

BRIDGE RATING TABLE WITH FWS

SPAN NO.		BEAM TYPE AND SIZE					
		H-20	HS-20	ML-80	TK-527	PHL-93	P-82
INVENTORY RATING (IR)	DISTRIBUTION FACTOR	0.662	0.662	0.662	0.662	0.662	-
	LOCATION	SPAN 2	SPAN 1	SPAN 1	SPAN 1	SPAN 1	-
	LIMIT STATE	STR-I	STR-I	STR-I	STR-I	STR-I	-
	RATING FACTOR	2.656	2.522	2.319	2.169	1.340	-
OPERATING RATING (OR)	DISTRIBUTION FACTOR	0.662	0.662	0.662	0.662	0.662	0.662
	LOCATION	SPAN 2	SPAN 2	SPAN 1	SPAN 1	SPAN 1	SPAN 1
	LIMIT STATE	STR-II	STR-II	STR-II	STR-II	STR-IA	STR-II
	RATING FACTOR	3.443	3.286	3.072	2.874	2.217	1.362

CRITICAL MEMBER: INTERIOR GIRDER
 MAXIMUM FACTORED FLEXURAL RESISTANCE (K-FT): 5418.7
 LOCATION: SPAN 1 & 2 5.3-13.1" INTO WEB DEPTH
 MAXIMUM FACTORED SHEAR RESISTANCE (K): 350.86
 LOCATION: SPAN 2 AT ORIGIN (0')

BRIDGE RATING TABLE WITHOUT FWS

SPAN NO.		BEAM TYPE AND SIZE					
		H-20	HS-20	ML-80	TK-527	PHL-93	P-82
INVENTORY RATING (IR)	DISTRIBUTION FACTOR	0.662	0.662	0.662	0.662	0.662	-
	LOCATION	SPAN-1	SPAN-1	SPAN-1	SPAN-1	SPAN-1	-
	LIMIT STATE	STR-I	STR-I	STR-I	STR-I	STR-I	-
	RATING FACTOR	2.682	2.447	2.282	2.146	1.367	-
OPERATING RATING (OR)	DISTRIBUTION FACTOR	0.662	0.662	0.662	0.662	0.662	0.662
	LOCATION	SPAN-1	SPAN-1	SPAN-1	SPAN-1	SPAN-1	SPAN-1
	LIMIT STATE	STR-II	STR-II	STR-II	STR-II	STR-IA	STR-II
	RATING FACTOR	3.478	3.174	2.959	2.782	1.773	1.399

CRITICAL MEMBER: INTERIOR GIRDER
 MAXIMUM FACTORED FLEXURAL RESISTANCE (K-FT): 5418.7
 LOCATION: SPAN 1 & 2 5.3-12.5" INTO WEB DEPTH
 MAXIMUM FACTORED SHEAR RESISTANCE (K): 337.61
 LOCATION: SPAN 2 AT ORIGIN (0')

TEST BORING TABLE (AS DRILLED)

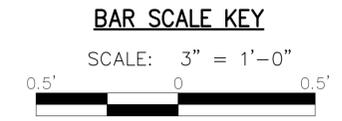
LOCATION	STATION	OFFSET*	ELEVATION
B1	4+26±	15' R	115.08
B2	4+39±	0	115.56
B3	4+46±	14.5' L	115.43
B4	ELIMINATED	N.A.	N.A.
B5	4+65±	0	116.88
B6	ELIMINATED	N.A.	N.A.
B7	6+13±	15' R	117.14
B8	6+27±	0	116.94
B9	6+40±	15.0' L	116.17
B10	6+54±	14.5' R	115.26
B11	6+52±	0	115.94
B12	ELIMINATED	N.A.	N.A.
B13	6+84±	15.0' L	114.16
B14	4+69±	15' R	116.83
B15	4+84±	15.0' L	117.17

* DENOTES OFFSET FROM C CONSTR.

NOTE:

- FOR GENERAL NOTE SEE SHEET 01.
- WORK THIS SHEET WITH SHEET 03.
- ** TWO (2) 2" DIAMETER PVC CONDUIT (SOUTH SIDE ONLY) (FOR FUTURE USE BY CITY OF PHILADELPHIA, STREETS DEPARTMENT).

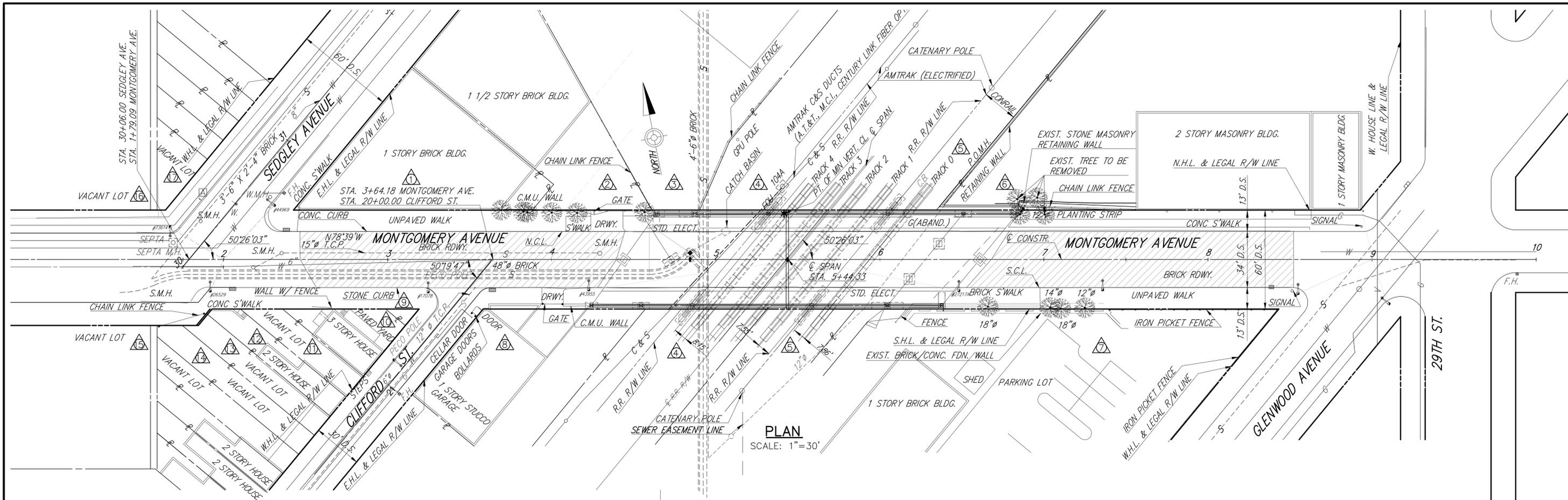
SUPPLEMENTAL DRAWINGS		
DESCRIPTION	DWG. NO.	APP'D. DATE
CLASSIFICATION OF EARTHWORK	RC-10M	JUN. 1, 2010
CLASSIFICATION OF EARTHWORK FOR STRUCTURES (2 SHEETS)	RC-11M	JUN. 1, 2010
BACKFILL AT STRUCTURES (2 SHEETS)	RC-12M	JUN. 1, 2010
CONCRETE PAVEMENT JOINTS (SHEET 2 OF 3)	RC-20M	JUN. 1, 2010
BRIDGE APPROACH SLAB (3 SHEETS)	RC-23M	JUN. 1, 2010
PLAIN CONCRETE PAVEMENT	RC-27M	JUN. 1, 2010
SLOPE PROTECTION	RC-40M	JUN. 1, 2010
CURBS AND GUTTERS	RC-64M	JUN. 1, 2010
PERMANENT METAL DECK FORMS (2 SHEETS)	BC-732M	OCT. 26, 2010
STANDARD ANCHOR SYSTEMS (2 SHEETS)	BC-734M	OCT. 26, 2010
STANDARD WALL CONSTRUCTION & EXPANSION JOINT DETAILS	BC-735M	OCT. 26, 2010
STANDARD REINFORCEMENT BAR FABRICATION DETAILS (2 SHEETS)	BC-736M	MAY 18, 2012
BRIDGE DRAINAGE	BC-751M	NOV. 21, 2014
STANDARD CONCRETE DECK SLAB DETAILS	BC-752M	NOV. 21, 2014
STANDARD STEEL GIRDER DETAILS (2 SHEETS)	BC-753M	NOV. 26, 2013
STEEL DIAPHRAGMS (2 SHEETS)	BC-754M	OCT. 26, 2010



NUMBER	REVISIONS	BY	DATE
#	SUMMARY	XXX	##/##/##

**MONTGOMERY AVENUE OVER AMTRAK & CONRAIL
 STEEL GIRDER BRIDGE
 B-0185-2001 / BPAA-672260
 TYPICAL SECTION & GENERAL NOTES**

PREPARED BY CITY OF PHILADELPHIA DEPARTMENT OF STREETS PHILADELPHIA, PA			
CORRECT	ENGINEER OF DESIGN		
DRAWN BY:	D.E.J	DATE:	02/10/2015
CHECKED BY:	C.J.M.	DATE:	02/17/2016
SCALE:	1" = 25'-0"	SHEET:	04 OF 58



TRAFFIC DATA

A.D.T. (2016)=5682
A.D.T. (2036)=6933
D.H.V. (2016)=568
D.H.V. (2036)=693
T(2016) =284
T(2036) =347
AVERAGE D =50%
LEGAL SPEED=25MPH
PROP. DESIGN SPEED=30MPH
PROP. STOPPING SIGHT DIST.=155 FT.

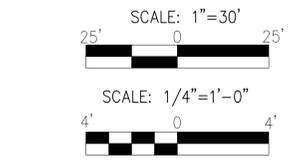
UTILITIES	UTILITIES	
	EXISTING	PROPOSED
AMTRAK	4-ELECTRIFIED TRACKS, 1 C&S CONDUIT, 1-CATCH BASIN, 1-MANHOLE	4-ELECTRIFIED TRACKS, 1-C&S CONDUIT, 1 CATCH BASIN, 1-MANHOLE
AT&T LOCAL SERVICES	NONE	NONE
AT&T LONG DISTANCE CORE NETWORK	1-FIBER OPTIC LINE IN AMTRAK CONDUIT	1-FIBER OPTIC LINE IN AMTRAK CONDUIT
CONRAIL	1-NON-ELECTRIFIED TRACK	1-NON-ELECTRIFIED TRACK
GPU TELECOM SERVICES, INC.	1-FIBER OPTIC CABLE ATTACHED TO EXISTING AMTRAK CATENARY POLES	1-FIBER OPTIC CABLE ATTACHED TO EXISTING AMTRAK CATENARY POLES
MCI	1-FIBER OPTIC LINE IN AMTRAK CONDUIT	1-FIBER OPTIC LINE IN AMTRAK CONDUIT
PECO ENGERY	4-AERIAL DISTRIBUTION POLES MONTGOMERY AVE.	4-AERIAL DISTRIBUTION POLES MONTGOMERY AVE.
PHILADELPHIA GAS WORKS	NONE	NONE
PHILADELPHIA WATER DEPARTMENT	SEWER: 1-4'-6" DIA. BRICK, 1-4'-0" DIA. BRICK WATER: NONE	SEWER: 1-4'-6" DIA. BRICK, 1-4'-0" DIA BRICK WATER: NONE *
CENTURY LINK FIBER OPTIC	1-FIBER OPTIC LINE IN AMTRAK CONDUIT	1-FIBER OPTIC LINE IN AMTRAK CONDUIT
VERIZON	NONE	NONE
PRIVATELY OWNED SEWER	SEWER: 1-12" DIA., 1-MANHOLE	SEWER: 1-12" DIA., 1-MANHOLE
STREETS DEPARTMENT	NONE	2-2" PVC CONDUITS

PARCEL	PROPERTY OWNERS
1	GROSSO CONSTRUCTION INC.
2	JOSEPH WILLIAMS
3	BOODRAM NARAIN
4	AMTRAK
5	CONRAIL
6	DOUGLAS C. PAYNE
7	EAST PARK CONGREGATION OF JEHOVA'S WITNESSES
8	OLIVER STONER & EUGENE PROTER
9	GEORGE HUTT
10	WILLIAM A. FRANKLIN JR. & ALISE BEATRICE, H/W
11	SECRETARY OF HOUSING & URBAN DEVELOPMENT
12	CRUD LLC
13	FREDA BERGMAN & JACK WEINSTEIN
14	CITY OF PHILADELPHIA
15	PHILADELPHIA REDEVELOPMENT
16	REDEVELOPMENT AUTHORITY OF PHILA
17	ESTER KEAN

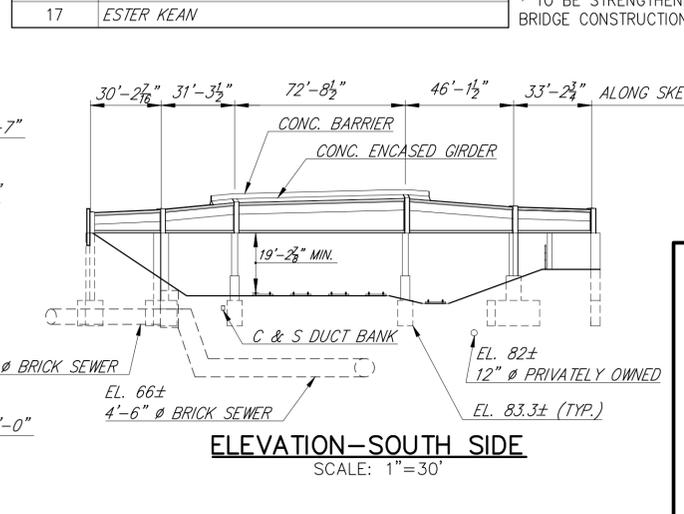
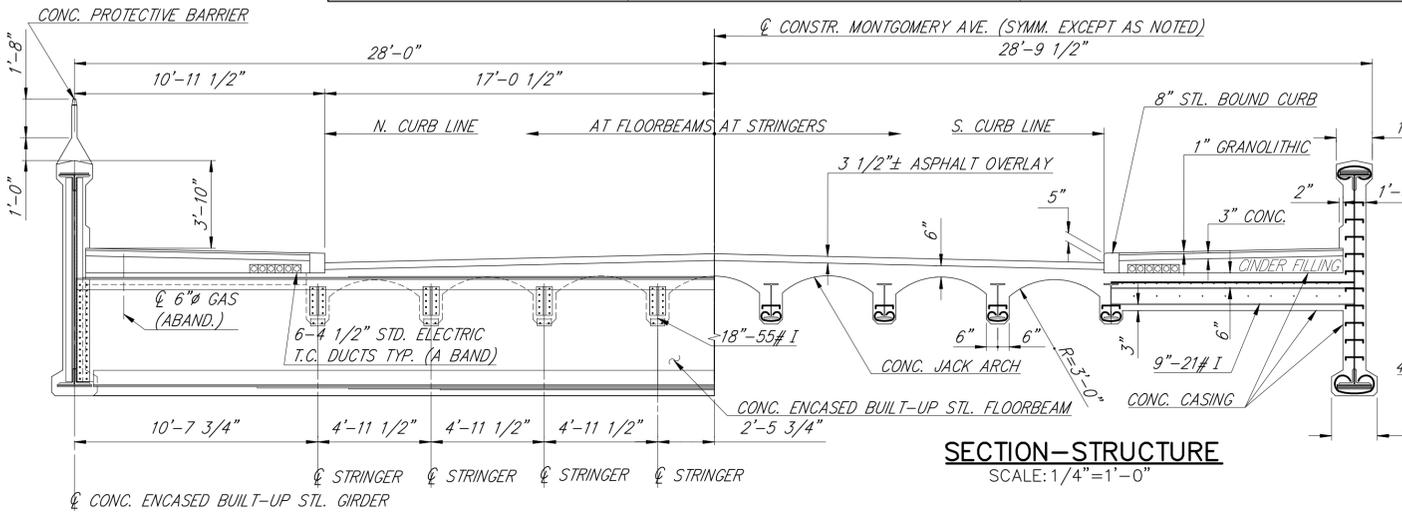
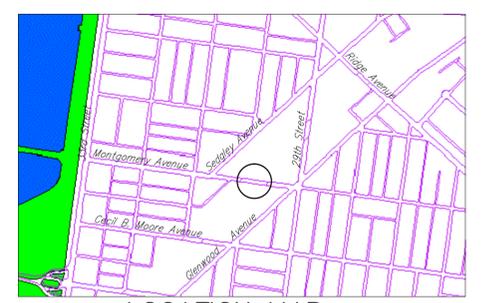
		TABLE OF CLEARANCES												
		TRACK 4		TRACK 3		TRACK 2		TRACK 1		TRACK 0				
NORTH	LOCATION	6' OFFSET	W.RAIL	E.RAIL	W.RAIL	E.RAIL	W.RAIL	E.RAIL	W.RAIL	E.RAIL	W.RAIL	E.RAIL	6' OFFSET	
		EXIST. CLEAR.	19.15	19.15	19.15	19.81	19.81	20.81	20.81	21.42	21.42	21.66	21.66	21.66
	PROP. CLEAR.	20.64	20.73	20.73	21.62	21.62	22.61	22.61	23.05	23.05	22.59	22.59	21.93	
SOUTH	LOCATION	6' OFFSET	W.RAIL	E.RAIL	E.RAIL	W.RAIL	E.RAIL	W.RAIL	E.RAIL	W.RAIL	E.RAIL	W.RAIL	E.RAIL	6' OFFSET
	EXIST. CLEAR.	19.23	19.23	19.23	19.92	19.92	20.90	20.90	21.58	21.58	21.62	21.62	21.62	
	PROP. CLEAR.	19.49	19.69	19.69	20.96	20.96	22.36	22.36	23.30	23.30	23.29	23.29	22.80	

NOTE: 6' OFFSET FROM Q TRACK (A.R.E.A. ENVELOPE)

BARSACLE KEY



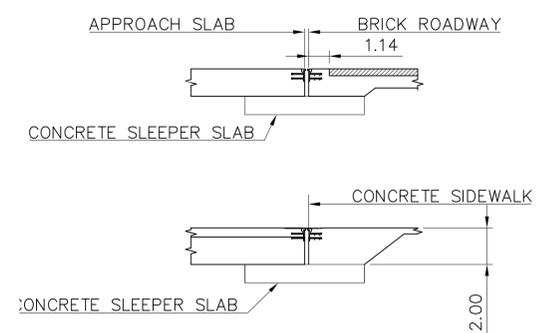
* TO BE STRENGTHENED WITH LINING BEFORE BRIDGE CONSTRUCTION.



NUMBER	REVISIONS	BY	DATE
#	SUMMARY	XXX	##/##/##
<p>MONTGOMERY AVENUE OVER AMTRAK & CONRAIL STEEL GIRDER BRIDGE B-0185-2001 / BPAA-672260 EXISTING CONDITIONS</p>			
CORRECT		ENGINEER OF DESIGN	
<p>PREPARED BY CITY OF PHILADELPHIA DEPARTMENT OF STREETS PHILADELPHIA, PA</p>			
DRAWN BY:	R.C.D.	DATE:	03/19/2011
CHECKED BY:	J.F./C.J.M.	DATE:	08/21/2015
SCALE:	AS NOTED	SHEET:	05 OF 57

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	PHILADELPHIA	7301	185	4 OF 12
NUMBER	REVISIONS	BY	DATE	
#	SUMMARY	XXX	##/##/##	

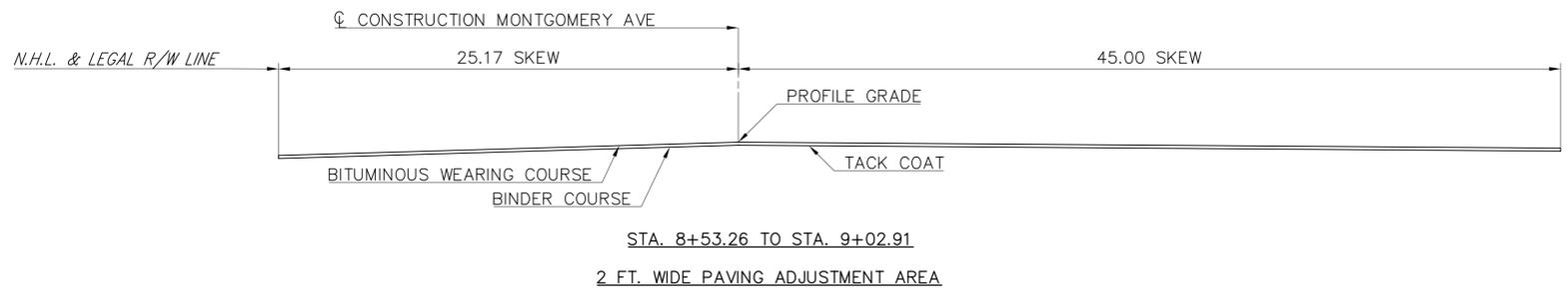
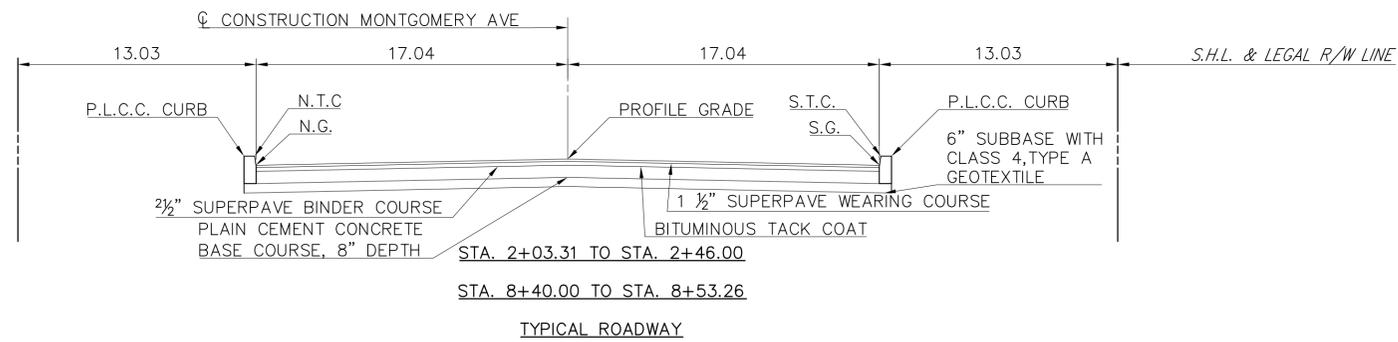
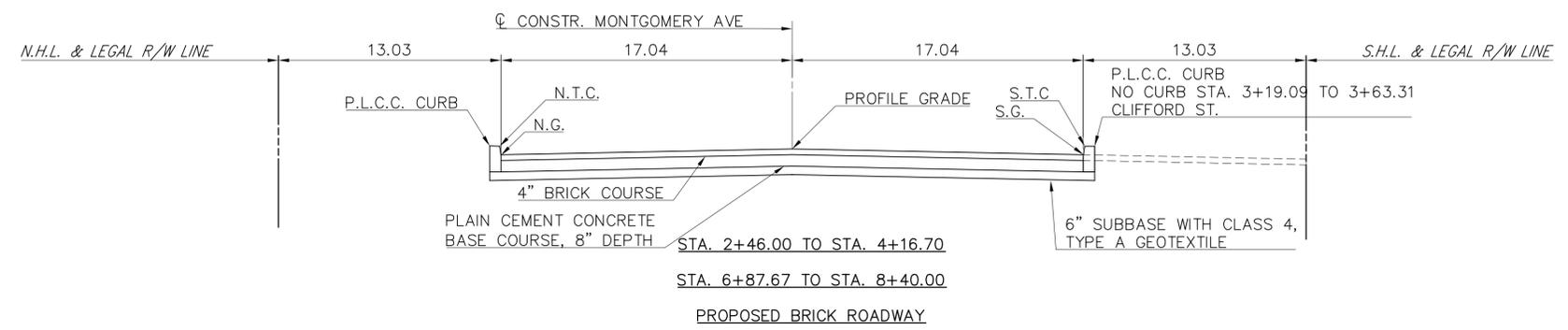
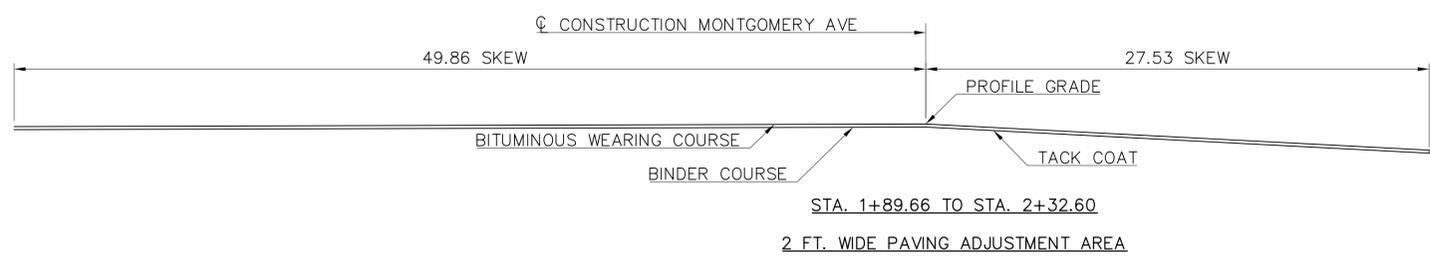
- NOTES:
- FOR ABBREVIATION TABLE, SEE ROADWAY SHEET 10
 - SEE ROADWAY SHEET 5 FOR SIDEWALK TYPICAL SECTIONS
 - BRICK TO BE LAID IN A RUNNING BOND PATTERN



SECTION-PAVING AT EXPANSION DAMS

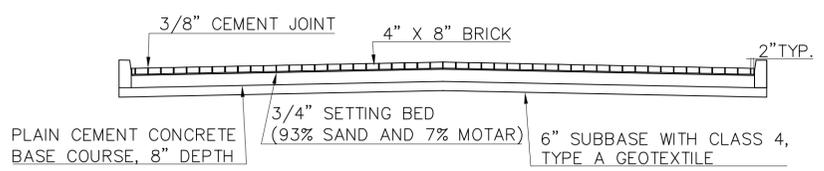
SCALE 1"=5'

TABLE OF ELEVATIONS									
STATION	N.H.L.	N.E.S.	N.T.C.	N.G.	P.G.	S.G.	S.T.C.	S.E.S.	S.H.L.
1+76.75			107.43	106.93	107.27	106.93	107.43		
2+00.00			107.86	107.36	107.70	107.36	107.86		
2+25.00			108.33	107.83	108.17	107.83	108.33		
2+28.50			108.39	107.89	108.23	107.89	108.39		
2+46.00	109.14	109.14	108.88	108.38	108.72	108.38	108.88	109.14	109.14
2+50.00	109.29	109.29	109.03	108.53	108.87	108.53	109.03	109.29	109.29
2+75.00	110.17	110.17	109.91	109.41	109.75	109.41	109.91	110.17	110.17
3+00.00	111.06	111.06	110.80	110.30	110.64	110.30	110.80	111.06	111.06
3+19.08	111.74	111.74	111.48	110.98	111.32	110.98	111.48	111.74	111.74
3+25.00	111.94	111.94	111.68	111.18	111.52	111.18	111.68	111.94	111.94
3+29.13	112.09	112.09	111.83	111.33	111.67	111.33	111.83	112.09	112.09
3+47.79	112.74	112.74	112.48	111.98	112.32	111.98	112.48	112.74	112.74
3+50.00	112.83	112.83	112.57	112.07	112.41	112.07	112.57	112.83	112.83
3+69.49	113.52	113.52	113.26	112.76	113.10	112.76	113.26	113.46	113.52
3+75.00	113.71	113.71	113.45	112.95	113.29	112.95	113.45	113.65	113.71
4+00.00	114.60	114.60	114.34	113.84	114.18	113.84	114.34	114.60	114.60
4+09.00	114.92	114.92	114.66	114.16	114.50	114.16	114.66	114.92	114.92
4+16.70	115.19	115.19	114.93	114.43	114.77	114.43	114.93	115.19	115.19
4+17.50	115.22	115.22	114.96	114.46	114.80	114.46	114.96	115.22	115.22
4+25.00	115.54	115.54	115.28	114.78	115.12	114.78	115.28	115.54	115.54
4+28.50	115.66	115.66	115.40	114.90	115.24	114.90	115.40	115.66	115.66
6+63.32	117.75	117.73	117.49	116.99	117.33	116.99	117.49	117.73	117.75
6+73.43	117.01	116.99	116.75	116.25	116.59	116.25	116.75	116.99	117.01
6+76.00	116.90	116.88	116.64	116.14	116.48	116.14	116.64	116.88	116.90
6+87.73	116.39	116.37	116.13	115.63	115.97	115.63	116.13	116.37	116.39
7+00.00	115.85	115.83	115.59	115.09	115.43	115.09	115.59	115.80	115.85
7+02.03	115.77	115.74	115.51	115.01	115.35	115.01	115.51	115.75	115.77
7+02.61	115.74	115.72	115.48	114.98	115.32	114.98	115.48	115.72	115.74
7+10.73	115.39	115.34	115.13	114.63	114.97	114.63	115.13	115.37	115.39
7+14.62	115.22	115.17	114.96	114.46	114.80	114.46	114.96	115.20	115.22
7+25.00	114.77	114.71	114.51	114.01	114.35	114.01	114.51	114.75	114.77
7+29.50	114.57	114.52	114.31	113.81	114.15	113.81	114.31	114.55	114.57
7+39.06	114.15	114.10	113.89	113.39	113.73	113.39	113.89	114.13	114.15
7+46.22	113.84	113.79	113.58	113.08	113.42	113.08	113.58	113.84	113.84
7+50.00	113.68	113.58	113.42	112.92	113.26	112.92	113.42	113.68	113.68
7+56.00	113.41	113.31	113.15	112.65	112.99	112.65	113.15	113.41	113.41
7+75.00	112.59	112.49	112.33	111.83	112.17	111.83	112.33	112.59	112.59
8+00.00	111.50	111.36	111.24	110.74	111.08	110.74	111.24	111.50	111.50
8+25.00	110.41	110.31	110.15	109.65	109.99	109.65	110.15	110.41	110.41
8+40.00	109.76	109.66	109.50	109.00	109.34	109.00	109.50	109.76	109.76
8+50.00	109.41	109.31	109.15	108.65	108.99	108.65	109.15	109.41	109.41



MONTGOMERY AVENUE ROADWAY SECTIONS

SCALE 1"=5'



PROPOSED BRICK DETAILS

SCALE 1"=5'

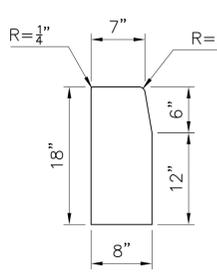
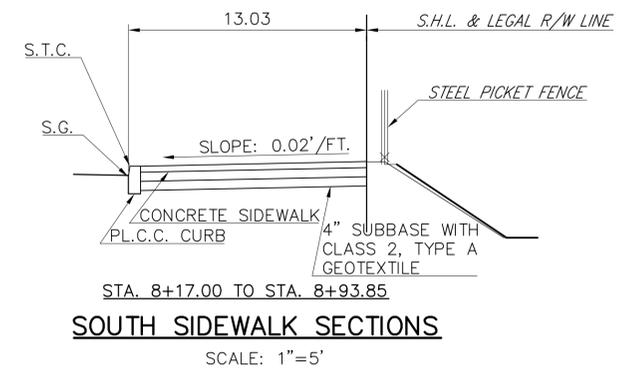
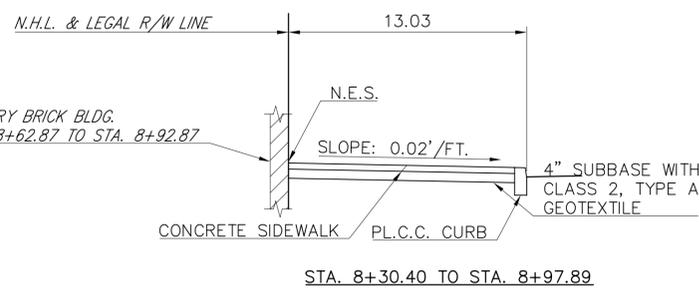
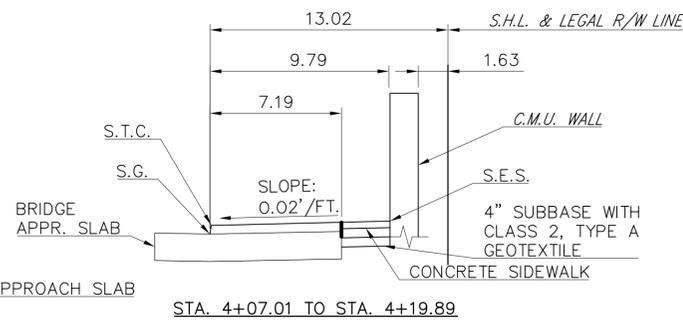
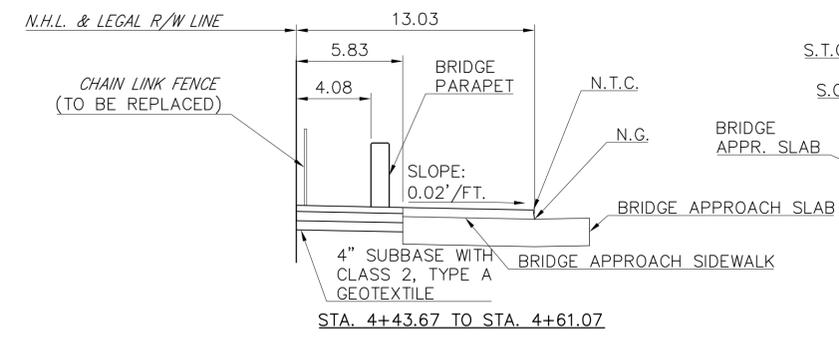
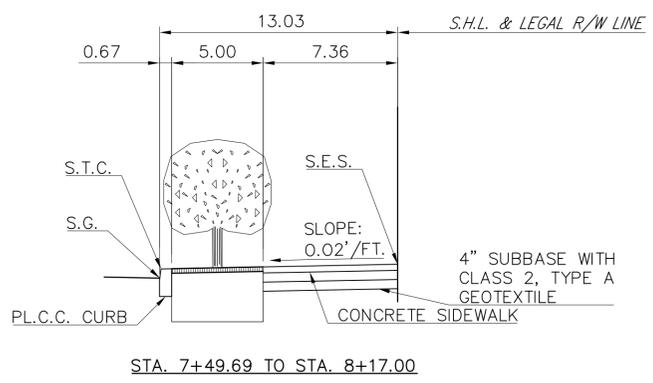
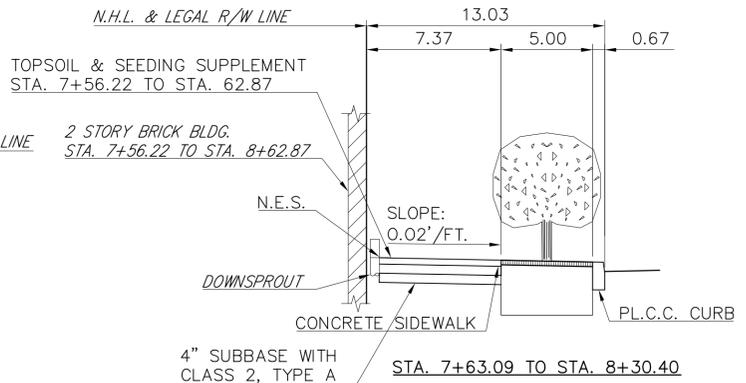
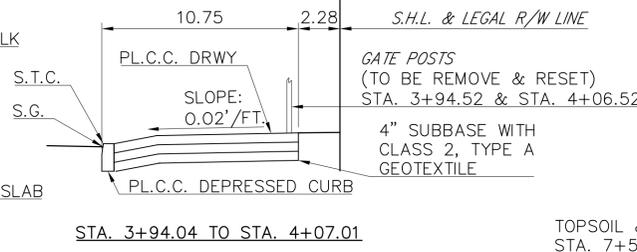
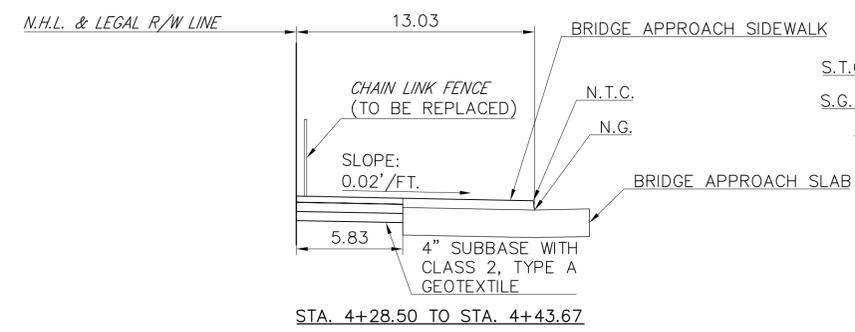
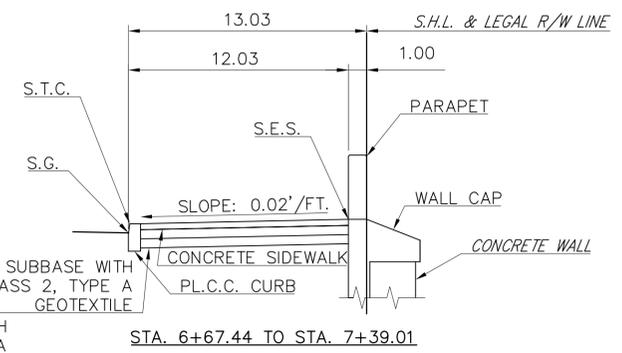
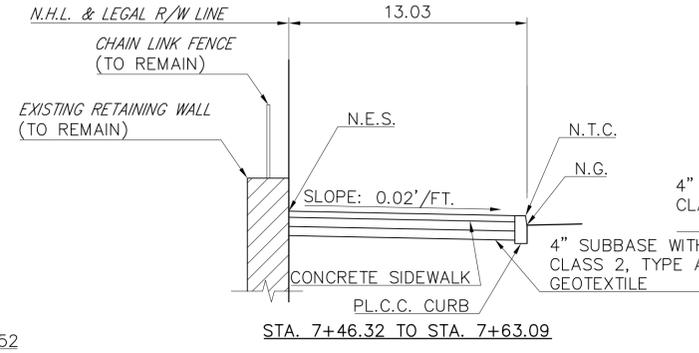
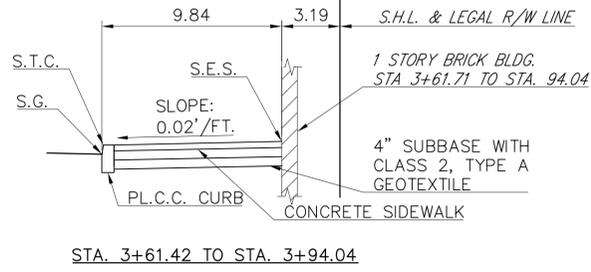
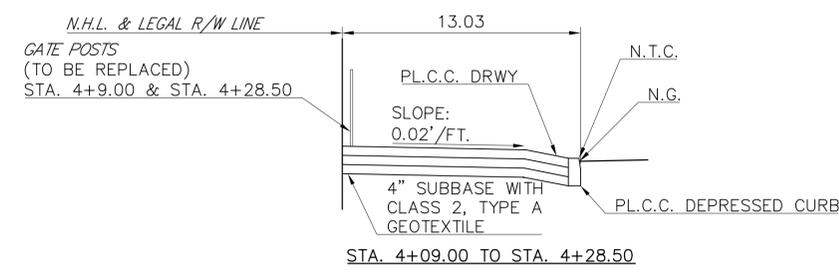
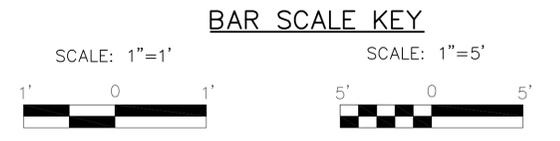
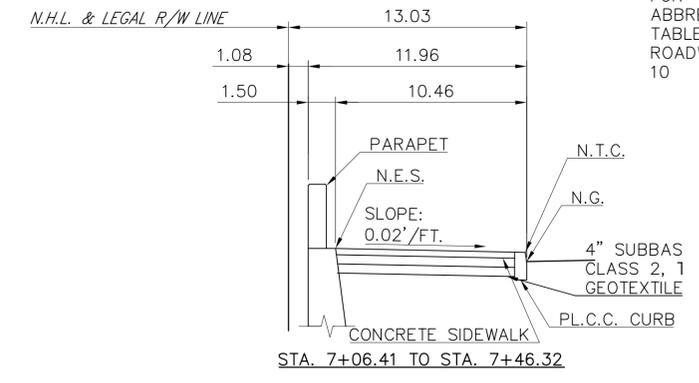
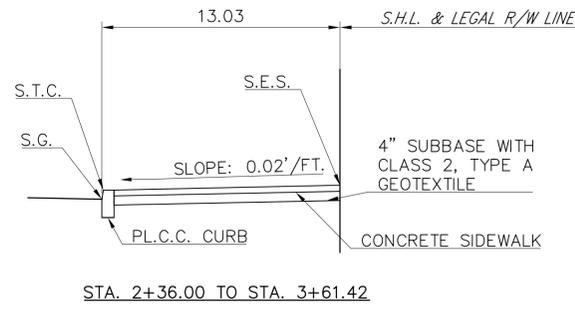
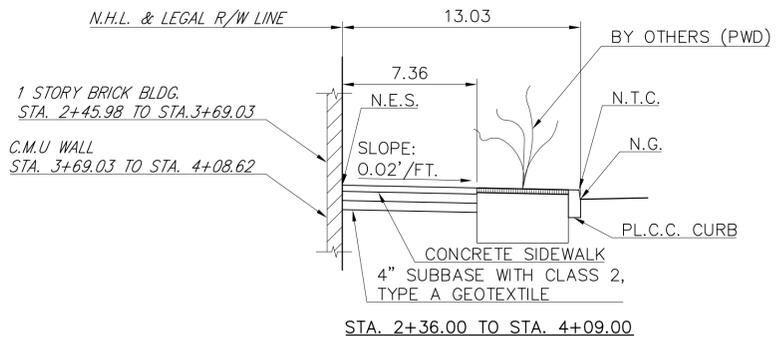
BAR SCALE KEY

SCALE: 1"=5'

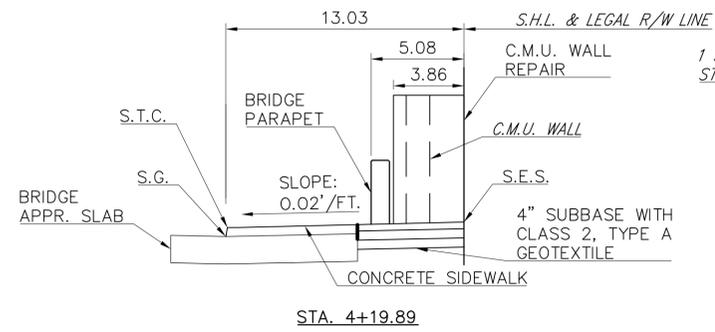


DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	PHILADELPHIA	7301	185	5 OF 12
NUMBER	REVISIONS	BY	DATE	
#	SUMMARY	XXX	##/##/##	

NOTES:
 • FOR ABBREVIATION TABLE, SEE ROADWAY SHEET 10



NORTH SIDEWALK SECTIONS
 SCALE: 1"=5'

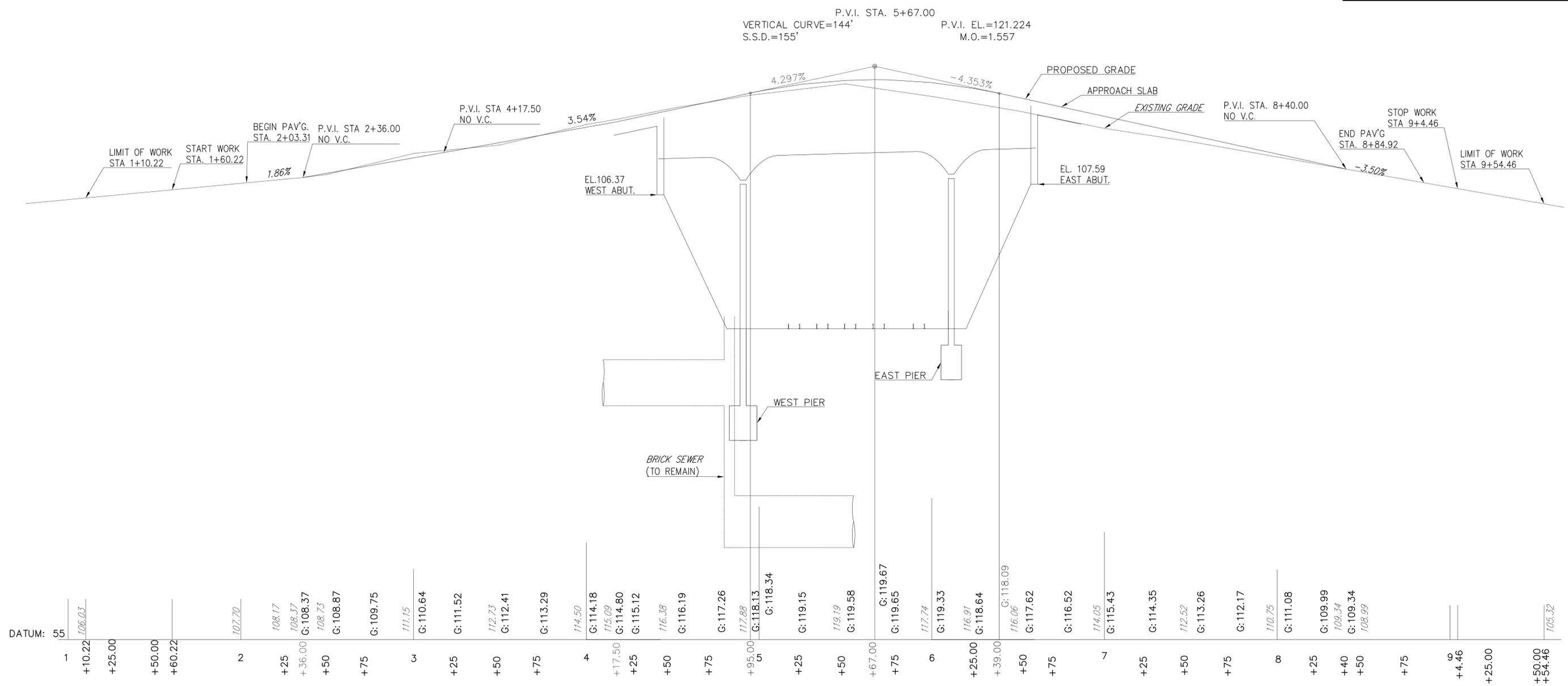


SOUTH SIDEWALK SECTIONS
 SCALE: 1"=5'

NORTH SIDEWALK SECTIONS
 SCALE: 1"=5'

RD 08_Sidewalk Cross-Sections, 2/25/2016 12:35:05 PM, Christopher.Brandima, Previous paper size (22.00 x 34.00 inches)

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	PHILADELPHIA	7301	185	12 OF 12
NUMBER	REVISIONS	BY	DATE	
#	SUMMARY	XXX	##/##/##	



PROFILE
 VERTICAL SCALE: 1"=5'
 HORIZONTAL SCALE: 1"=25'

