

CITY OF PHILADELPHIA DEPARTMENT OF PARKS & RECREATION

MAYOR - JAMES F. KENNEY

MANAGING DIRECTOR - BRIAN ABERNATHY

COMMISSIONER OF PARKS & RECREATION - KATHRYN OTT LOVELL

DRAWINGS FOR CONSTRUCTION OF:

MLK TRAIL IMPROVEMENTS

MARTIN LUTHER KING JR DRIVE PHILADELPHIA, PA 19131 PROJECT NO. 17-17-4872-01

CIVIL ENGINEER

NV5

NV5, Inc.
1315 WALNUT STREET, SUITE 900
PHILADELPHIA, PA, 19107
PHONE (215) 259-2776

BID SET NOT FOR CONSTRUCTION

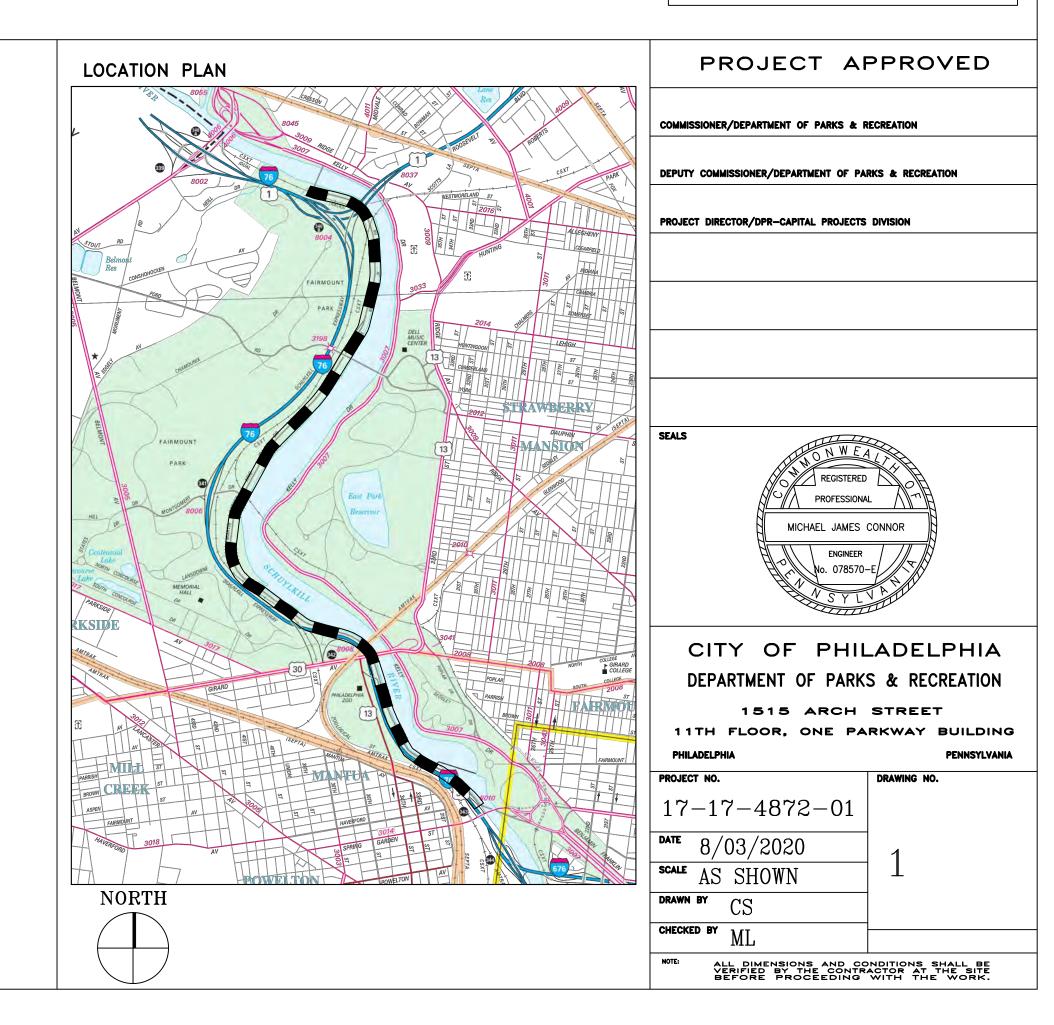
ABBREVIATIONS:

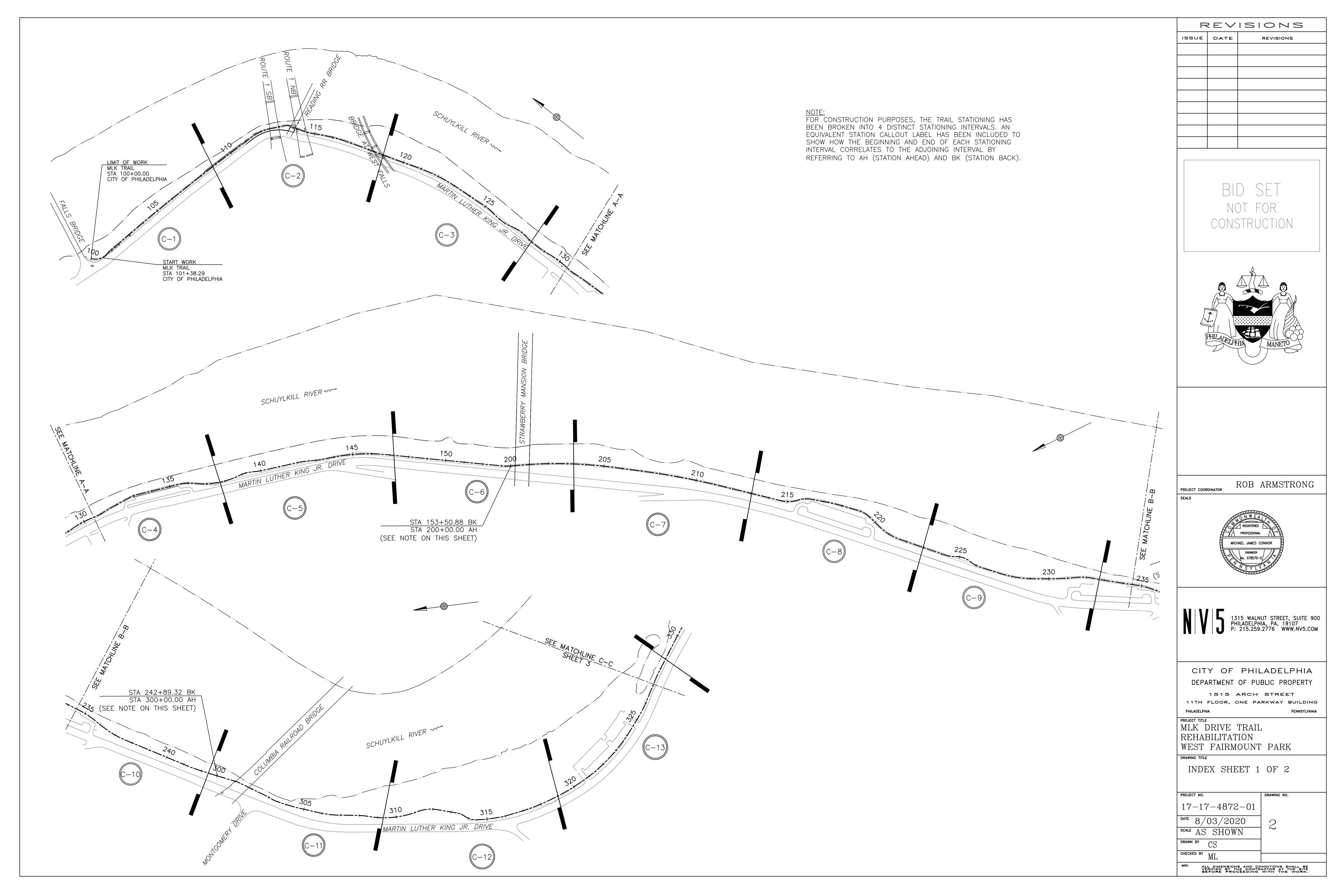
TBR	TO BE REMOVED	PNT	POINT
PT	POINT OF TANGENCY	CU YD	CUBIC YARD
PC	POINT OF CURVE	DEMO	DEMOLISH/DEMOLITION
DI	DUCTILE IRON		
CI	CAST IRON	DEP	DEPRESSED
DOD	DEINICODOED CONODETE DIDE	DN	DOWN
RCP	REINFORCED CONCRETE PIPE	DIA.	DIAMETER
PVC	POLYVINYL CHLORIDE	DWG	DRAWING
110	TOETHINE ONEONIDE	DWL	DOWEL
INV.	INVERT ELEVATION	EA	EACH
		EL	ELEVATION
T.G.	TOP OF GRATE ELEVATION	ELEC	ELECTRIC
C.O.	CLEAN OUT	EQ	EQUAL
FFE	FINISHED FLOOR ELEVATION	EF	EACH FACE
112	THUSINED TEOON ELEMINOR	EW	EACH WAY
JNT	JOINT	EX	EXISTING
EXP	EXPANSION	UD	UNDERDRAIN
CJ	CONTROL JOINT	FG	FINISH GRADE
EJ	EXPANSION JOINT		
CONST	CONSTRUCTION	FBO	FURNISHED BY OTHERS
001131	OCHOTHOCHON	FIXT	FIXTURE
CIP	CAST-IN-PLACE	FR	FROM RECORD
CL	CENTERLINE	FT	FOOT OR FEET
CONC	CONCRETE	FTG	FOOTING
COND	CONDUIT	GA	GAUGE
CTR	CENTER] [0.100E

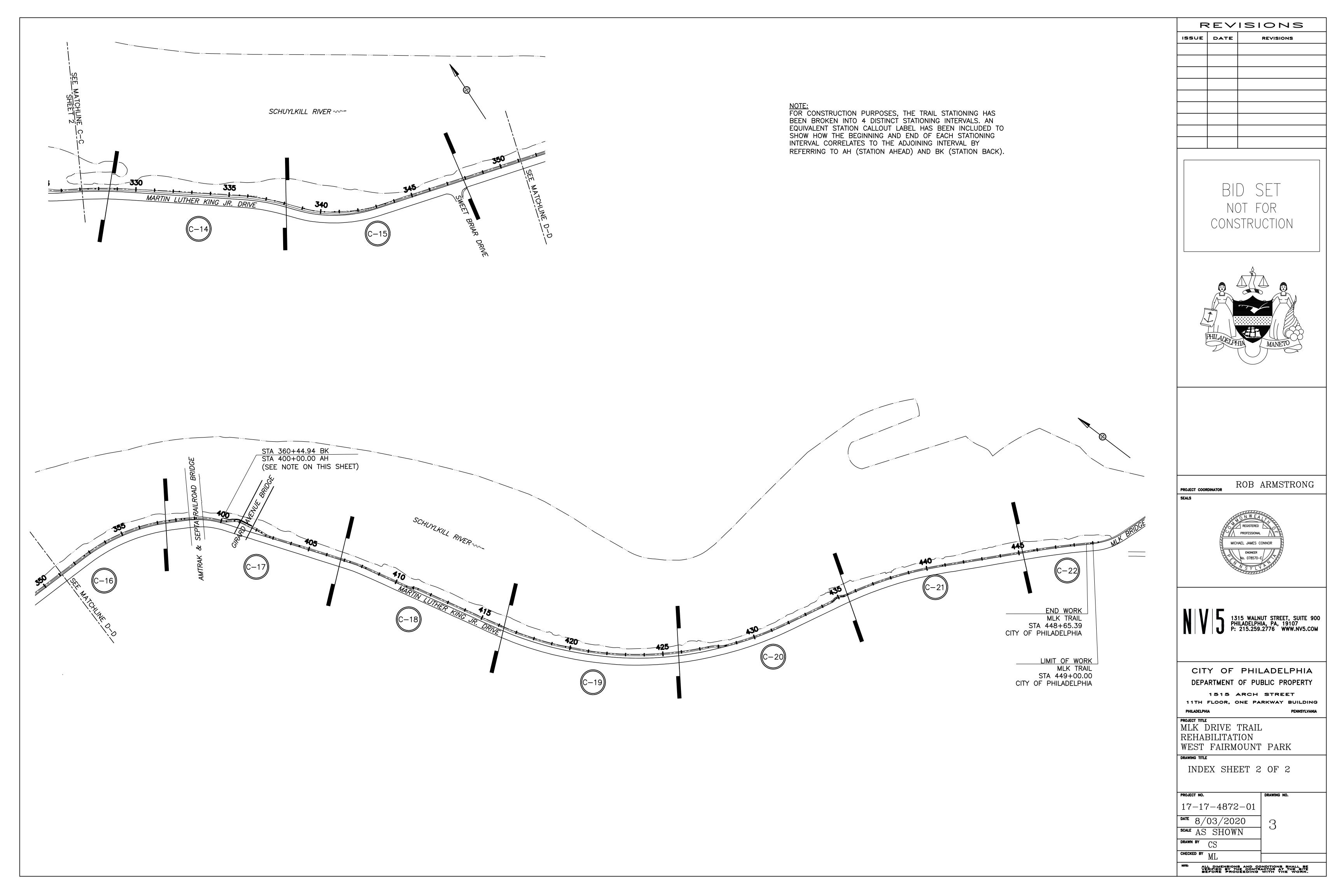
GALV	GALVANIZED	LOD	LIMIT OF DISTURBANCE
GR	GRADE	LOW	LIMIT OF WORK
HT	HEIGHT	NO. / #	NUMBER
CAL	CALIPER		
GAL	GALLON	NTS	NOT TO SCALE
QT	QUART	00	ON CENTER
HDPE	HIGH DENSITY POLYETHYLENE	PERF	PERFORATED
		POB	POINT OF BEGINNING
PE	POLYETHYLENE	SCH	SCHEDULE
HORIZ	HORIZONTAL	COLLED	COUEDINE
VEDT	VEDTION	SCHED	SCHEDULE
VERT	VERTICAL	SF	SQUARE FOOT
R	RADIUS OR RISER	SQ	SQUARE
RAD	RADIUS	STA	STATION
KJ	KEYED JOINT	STL	STEEL
LP	LOW POINT	TC	TOP OF CURB
MET	METAL	BC	BOTTOM OF CURB
SS	STAINLESS STEEL	TW	TOP OF WALL
MFR	MANUFACTURER	BW	BOTTOM OF WALL
MIN	MINIMUM	TEL	TELEPHONE
MISC	MISCELLANEOUS	W	WATER
NOM	NOMINAL	SAN	SANITARY
NIC	NOT IN CONTRACT	SIM	SIMILAR
CLL	CONTRACT LIMIT LINE	SD	STORM DRAIN
OLL .	CONTINION EININ EINE	J T	TREAD

	TS	TOP OF STEP
	BS	BOTTOM OF STEP
	VIF	VERIFY IN FIELD
	TYP	TYPICAL
	W/	WITH
	WWF	WELDED WIRE FABRIC
	SPD	SPREAD
	REQD	REQUIRED
	W/X"	WHITE PAVEMENT MARKING AT X INCHES WIDE
	Y/X"	YELLOW PAVEMENT MARKING AT X INCHES WIDE

DRAWING LIST:	SHEET NO:
COVER SHEET INDEX SHEET GENERAL NOTES TYPICAL SECTIONS DETAILS EROSION & SEDIMENT CONTROL TRAIL PLAN & PROFILE TRAIL ENLARGEMENT AT COLUMBIA R.R. BRIDGE TRAIL ENLARGEMENT AT GIRARD AVENUE BRIDGE ADA RAMP PLANS	







GENERAL NOTES

1. CONSTRUCT PROJECT IN ACCORDANCE WITH PENNDOT PUB. 408/2016.

2. DO NOT INTERFERE WITH THE OPERATION OF ANY FIRE HYDRANÍ, FIRE CALL BOX OR POLICE CALL BOX.

3. THREE WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR MUST CONTACT THE PA ONE CALL SYSTEM, INC., PHONE 1—800—242—1776. UTILITY INFORMATION

DEPICTED HEREIN IS BASED ON PLANS PROVÍDED THROUGH PENNSYLVANIA ONE CALL AND CITY OF PHILADÉLPHIA.

4. PURSUANT TO THE REQUIREMENTS OF PENNSYLVANIA ACT 287 (1974), AND AS AMENDED, THE CONTRACTOR SHALL CONTACT THE PENNSYLVANIA ONE CALL SYSTEM AT 1-800-242-1776, AT LEAST 3 WORKING DAYS PRIOR TO EXCAVATION. PENNSYLVANIA ONE CALL SYSTEM #20193253022 AND WARDS #8, #24, #29, #38, AND #52.

1-800-242-1776, AT LEAST 3 WORKING DAYS PRIOR TO EXCAVATION. PENNSYLVANIA ONE CALL SYSTEM #20193253022 AND WARDS #8, #24, #29, #38, AND #52.
5. UTILITIES SHOWN ARE TAKEN FROM PUBLIC RECORD. THE CONTRACTOR MUST VERIFY THE EXACT LOCATION AND DEPTH.

6. VERTICAL ELEVATIONS ARE BASED ON THE CITY OF PHILADELPHIA VERTICAL DATUM. BENCH MARK NO. 1 PK NAIL IN MACADAM AT PENNSYLVANIA STATE PLANE COORDINATE, SOUTH ZONE, NAD 1983 HORIZONTAL DATUM, NORTHERLY COORDINATE VALUE OF 248,051.335 FEET, AND EASTERLY COORDINATE VALUE OF 2,681,491.001 FEET. PHILADELPHIA VERTICAL DATUM (PVD) ELEVATION = 14.120 FEET.

7. THIS SURVEY IS SUBJECT TO CONDITIONS WHICH AN ACCURATE RIGHT-OF-WAY SURVEY MAY DISCLOSE. THIS PLAN IS NOT INTENDED TO BE USED FOR THE CONVEYANCE OF PROPERTY OR TITLE.

8. EXISTING FEATURES BACKGROUND AND EXISTING INFORMATION IS BASED UPON FIELD SURVEY PERFORMED BY 4TH SURVEY DISTRICT IN 2018 AND 2019. PER CITY CODE SECTION 11-301-STREET IMPROVEMENTS, NO IMPROVEMENT OF ANY KIND, FOR WHICH A LOCATION IS SHOWN UPON SUCH PLANS AND CROSS SECTIONS, OR UPON THE PLAN FILED AS PROVIDED FOR IN CITY CODE 11-301(4), SHALL BE MADE IN ANY STREET EXCEPT IN THE LOCATION SO PROVIDED, AND NO PERSONS SHALL PLACE ANY SUCH IMPROVEMENTS IN ANY STREET WITHOUT FIRST OBTAINING THE LOCATION AND THE LINES AND GRADES FROM THE DISTRICT SURVEYOR AND REGULATOR. THE LINE AND GRADE OF THE STREET CAN ONLY BE PLACED BY THE CITY OF PHILADELPHIA 7TH DISTRICT SURVEYOR AND REGULATOR. COORDINATE WITH AL BOMMENTRE AT 215-685-2668 MONUMENTS OR PROPERTY LINE MARKERS LOCATED WITHIN THE LIMITS OF THIS PROJECT SHALL NOT BE DISTURBED UNTIL THEY HAVE BEEN REFERENCED BY THE CITY OF PHILADELPHIA.

. SOILS INDICATED ARE IN ACCORDANCE WITH UNITED STATES DEPARTMENT OF TRANSPORTATION OF AGRICULTURE (USDA) WEB SOIL SURVEY: Ro (ROWLAND SILT LOAM), UB
(URBAN LAND) AND UB (URBAN LAND—HOWELL COMPLEX)

(URBAN LAND), AND Uh (URBAN LAND—HOWELL COMPLEX).
10. WORK TO BE DONE IN ACCORDANCE WITH STANDARD SPECIFICATIONS, APPROVED DRAWINGS, AND REGULATIONS OF THE DEPARTMENT OF STREETS, PHILADELPHIA WATER

DEPARTMENT, PHILADELPHIA PARKS & RECREATION DEPARTMENT, AND SPECIAL PROVISIONS OF THE PROPOSAL.

11. HORIZONTAL AND VERTICAL CONTROL, LINE AND GRADE STAKES FOR CURB, PAVING, ETC. WILL BE FURNISHED BY THE 7TH SURVEY DISTRICT OF THE CITY OF PHILADELPHIA

BASED ON ITEM #4-1040.
12. PERMITS FOR BOLLARDS, CURB, & SIDEWALK PAVING WILL BE FURNISHED BY THE SIXTH HIGHWAY DISTRICT OF THE CITY OF PHILADELPHIA.

12. PERMITS FOR BULLARDS, CURB, & SIDEWALK PAVING WILL BE FURNISHED BY THE SIXTH HIGHWAY DISTRICT OF THE CITY OF PHILADELPHIA.

13. THE CITY OF PHILADELPHIA SHALL PROVIDE INSPECTION SERVICES FOR PAVING AND RELATED WORK, TO BE PAID UNDER ITEM # 4—1041 AT A COST OF \$345 PER DAY.

THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION UNIT OF THE DIVISION OF SURVEYS, DESIGN & CONSTRUCTION AT (215) 686—5539, A MINIMUM OF 2 WEEKS PRIOR TO THE START OF WORK. THIS ITEM, INSPECTION SERVICES, SHALL BE INCLUDED IN THE CONTRACTOR'S BID.

14. STREET LIGHT POLE LOCATIONS ARE NOT FINAL. THE STREETS DEPARTMENT STREET LIGHTING ENGINEER WILL DETERMINE THE EXACT LOCATIONS OF THE STREET LIGHT POLES DURING CONSTRUCTION. CONTACT THE STREET LIGHTING ENGINEER AT (215) 686—5517 TO COORDINATE STREET LIGHT POLE LOCATIONS.

POLES DURING CONSTRUCTION. CONTACT THE STREET LIGHTING ENGINEER AT (215) 686-5517 TO COORDINATE STREET LIGHT POLE LOCATIONS.

15. STREET TREES MUST BE PERMITTED BY THE PHILADELPHIA DEPARTMENT OF PARKS & RECREATION. CONTACT THE STREET TREE MANAGEMENT DIVISION AT (215) 685-4363.

16. FOR PROJECTS ON STATE ROUTES. NOTICE IS HEREBY GIVEN THAT THE RECEIPT OF A PERMIT FROM EITHER THE PHILADELPHIA STREETS DEPARTMENT. OR THE

16. FOR PROJECTS ON STATE ROUTES, NOTICE IS HEREBY GIVEN THAT THE RECEIPT OF A PERMIT FROM EITHER THE PHILADELPHIA STREETS DEPARTMENT, OR THE
PENNSYLVANIA DEPARTMENT OF TRANSPORTATION (PENNDOT) DOES NOT IMPLY A PERMIT FROM THE OTHER. ALL PERMITS MUST BE OBTAINED PRIOR TO THE START OF
CONSTRUCTION.

SUMMARY OF PROJECT CONTROL POINTS

3 241474.8090' 2686304.7630' 19.651' PK 26 247673.2780' 2681345.2210' 17.447' 4 241666.0980' 2685931.0490' 19.780' PK 27 248051.3350' 2681491.0010' 14.120' 5 241800.7140' 2685754.4590' 18.832' PK 28 248351.4820' 2681678.6590' 15.349' 6 242106.2170' 2685459.8950' 19.074' PK 29 248637.0960' 2681815.0460' 15.898' 7 242422.6060' 2685264.9980' 17.248' PK 30 241045.2700' 2686894.7280' 18.710' 8 246269.8100' 2681515.4490' 18.224' PK 31 240523.7440' 2687431.7180' 23.891'	PK PK PK PK
5 241800.7140' 2685754.4590' 18.832' PK 28 248351.4820' 2681678.6590' 15.349' 6 242106.2170' 2685459.8950' 19.074' PK 29 248637.0960' 2681815.0460' 15.898' 7 242422.6060' 2685264.9980' 17.248' PK 30 241045.2700' 2686894.7280' 18.710'	PK PK
6 242106.2170' 2685459.8950' 19.074' PK 29 248637.0960' 2681815.0460' 15.898' 7 242422.6060' 2685264.9980' 17.248' PK 30 241045.2700' 2686894.7280' 18.710'	PK PK
7 242422.6060' 2685264.9980' 17.248' PK 30 241045.2700' 2686894.7280' 18.710'	PK
8 246269.8100' 2681515.4490' 18.224' PK 31 240523.7440' 2687431.7180' 23.891'	PK
9 246108.9830' 2681690.8280' 18.646' PK 35 248967.3170' 2682033.5820' 14.222'	PK
11 245502.2100' 2682545.1960' 18.137' PK 36 249505.8420' 2682374.1920' 15.619'	PK
12 245331.9800' 2682744.0670' 17.826' PK 37 249817.9450' 2682620.8500' 16.953'	PK
13 245128.4060' 2682953.8620' 16.753' PK 38 250083.5710' 2682887.8910' 17.084'	PK
14 245020.4400' 2683236.6760' 17.745' PK 39 250275.7400' 2683106.4110' 16.806'	PK
15 244935.4080' 2683549.6940' 19.625' PK 40 250505.0670' 2683331.0700' 16.619'	PK
16 244792.6400' 2684071.7710' 20.013' PK 41 250848.9150' 2683597.9430' 18.028'	PK
17 244568.9600' 2684481.8000' 21.677' PK 42 251126.2160' 2683807.6800' 19.450'	PK
18 244101.2980' 2684749.0640' 18.046' PK 43 251426.7710' 2684012.5360' 25.390'	PK
19 243603.4390' 2684926.2640' 20.937' PK 44 251741.0440' 2684161.0430' 27.883'	PK
20 243220.6290' 2685026.5320' 20.613' PK 45 252097.7620' 2684353.0620' 24.434'	PK
21 242772.0850' 2685133.1010' 17.807' PK 46 252370.5500' 2684530.8730' 19.050'	PK
22 245843.1070' 2682090.8170' 18.930' PK 47 252633.9280' 2684643.3870' 18.677'	PK
23 246598.2560' 2681334.0840' 19.657' PK 48 252897.6310' 2684699.3640' 19.720'	PK
24 246986.5070' 2681267.8960' 20.930' PK 49 253241.9900' 2684792.4220' 17.254'	PK
25 247382.7680' 2681306.6990' 19.035' PK 50 253522.6510' 2684897.2510' 16.502'	PK

PUBLIC UTILITIES

SYMBOL	OWNER	ADDRESS	REPRESENTATIVE	TELEPHONE/EMAIL
s	PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY	1515 ARCH STREET ONE PARKWAY BUILDING, 11TH FLOOR PHILADELPHIA, PA 19102	NOBUKI IIJIMA	NOBUKI.IIJIMA @PHILA.GOV
— Е —	PECO ENERGY	830 S. SCHUYLKILL AVENUE PHILADELPHIA, PA 19146	NICOLE DOUGHERTY	NICOLE.DOUGHERTY @EXELONCORP.COM 215-731-3130

PA ONE CALL SYSTEM, INC 1-800-242-1776 SERIAL NO: 20193253022

TABULATION OF CONSTRUCTION LENGTH

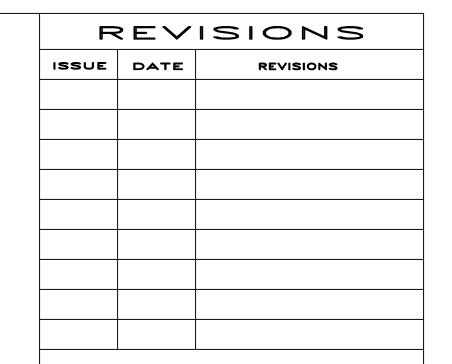
ROUTE	STATIONS	FT	MI	COUNTY
	101+38.29 TO 153+50.88	5212.59	0.99	PHILADELPHIA
MLK DRIVE TRAIL	200+00.00 TO 242+89.32	4289.32	0.81	PHILADELPHIA
MIK DRIVE TRAIL	300+00.00 TO 360+44.94	6044.94	1.14	PHILADELPHIA
	400+00.00 TO 448+65.39	4865.39	0.92	PHILADELPHIA
	TOTAL	20412.24	3.86	

Code

Elev

NOTE:

FOR CONSTRUCTION PURPOSES, THE TRAIL STATIONING HAS BEEN BROKEN INTO 4 DISTINCT STATIONING INTERVALS. AN EQUIVALENT STATION CALLOUT LABEL HAS BEEN INCLUDED TO SHOW THE BEGINNING AND END OF EACH STATIONING INTERVAL BY REFERRING TO AH (STATION AHEAD) AND BK (STATION BACK). SEE PLANS FOR CALLOUTS.







ROB ARMSTRONG

REGISTERED
PROFESSIONAL
MICHAEL JAMES CONNOR
ENGINEER

1315 WALNUT STREET, SUITE 900 PHILADELPHIA, PA, 19107

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY

1515 ARCH STREET

11TH FLOOR, ONE PARKWAY BUILDING
PHILADELPHIA PENNSYLVANIA

PROJECT TITLE
MLK DRIVE TRAIL
REHABILITATION
WEST FAIRMOUNT PARK

GENERAL NOTES

DRAWING TITLE

PROJECT NO.

17-17-4872-01

DATE 8/03/2020
SCALE AS SHOWN

DRAWN BY CS

CHECKED BY MI.

ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEDING WITH THE WORK.

51	253763.7920'	2684915.7860'	16.874'	PK
52	254001.1110'	2684909.4660'	17.717'	PK
53	254384.8930'	2684899.6880'	19.179'	PK
54	254681.4630'	2684876.7050'	18.820'	PK
55	254977.6820'	2684800.1580'	18.376'	PK
56	255273.0800'	2684703.6130'	20.462	PK
57	255560.4410'	2684567.8500'	24.261'	PK
58	255700.7410'	2684278.8280'	23.043	PK
59	255779.8170'	2683980.2310'	22.213'	PK
60	255830.4790'	2683710.6110'	26.941	PK
61	255887.7180'	2683447.4970'	38.247	PK
62	255918.7670'	2683359.7020'	42.927	PK
63	255980.3540'	2683312.3180'	44.244'	PK
64	256492.1250'	2683586.4170'	35.059'	PK
65	256756.4540'	2683703.2380'	33.198'	PK
2847	246691.3170'	2681629.1580'	10.696'	PK
2848	246742.6840'	2681606.5560'	16.090'	PK
4860	249262.8130'	2682183.6500'	14.414'	PK
7055	250863.8230'	2683572.6990'	18.463'	PK
12006	241580.5830'	2686096.4710'	19.901'	PK

2684667.6500'

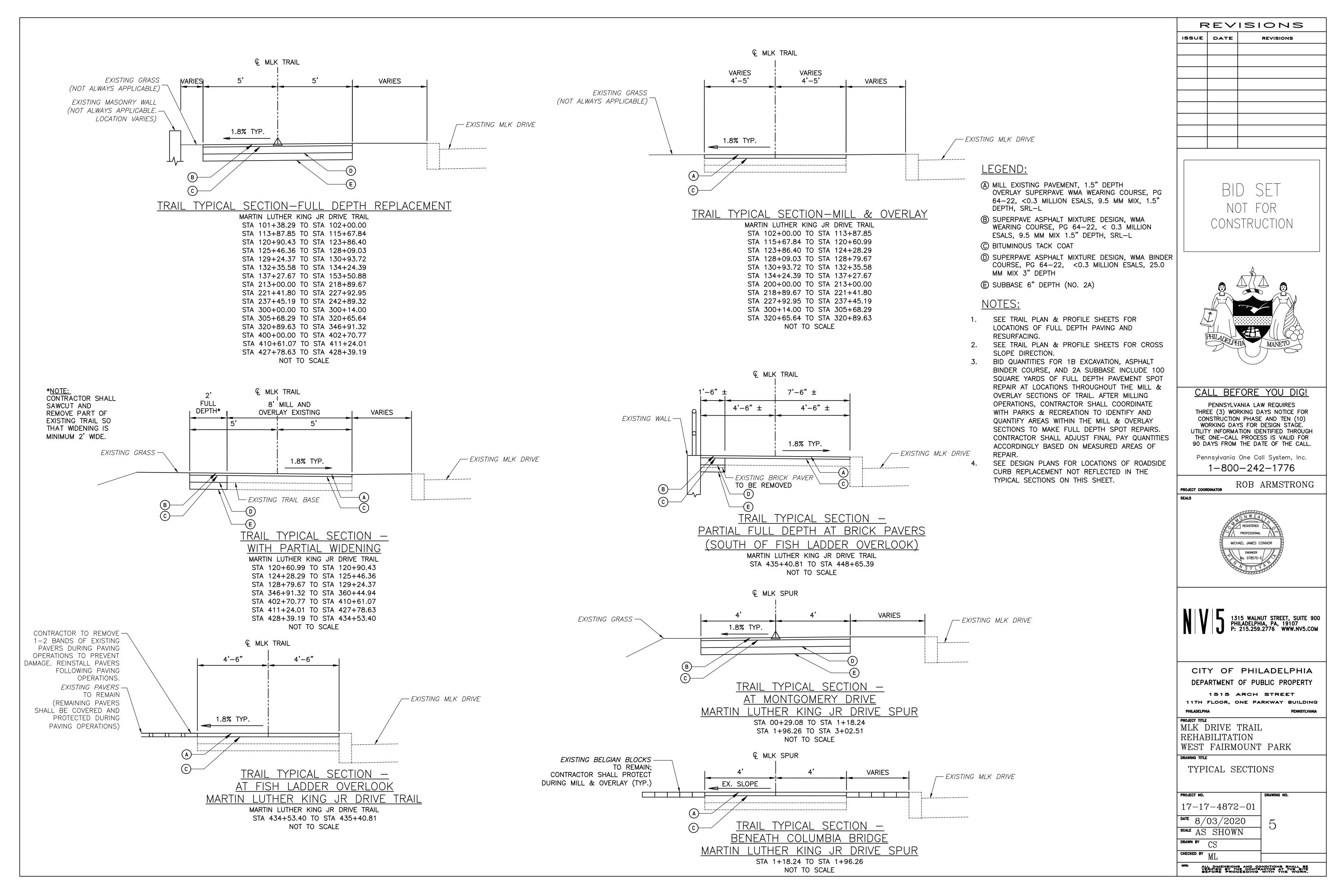
20.221

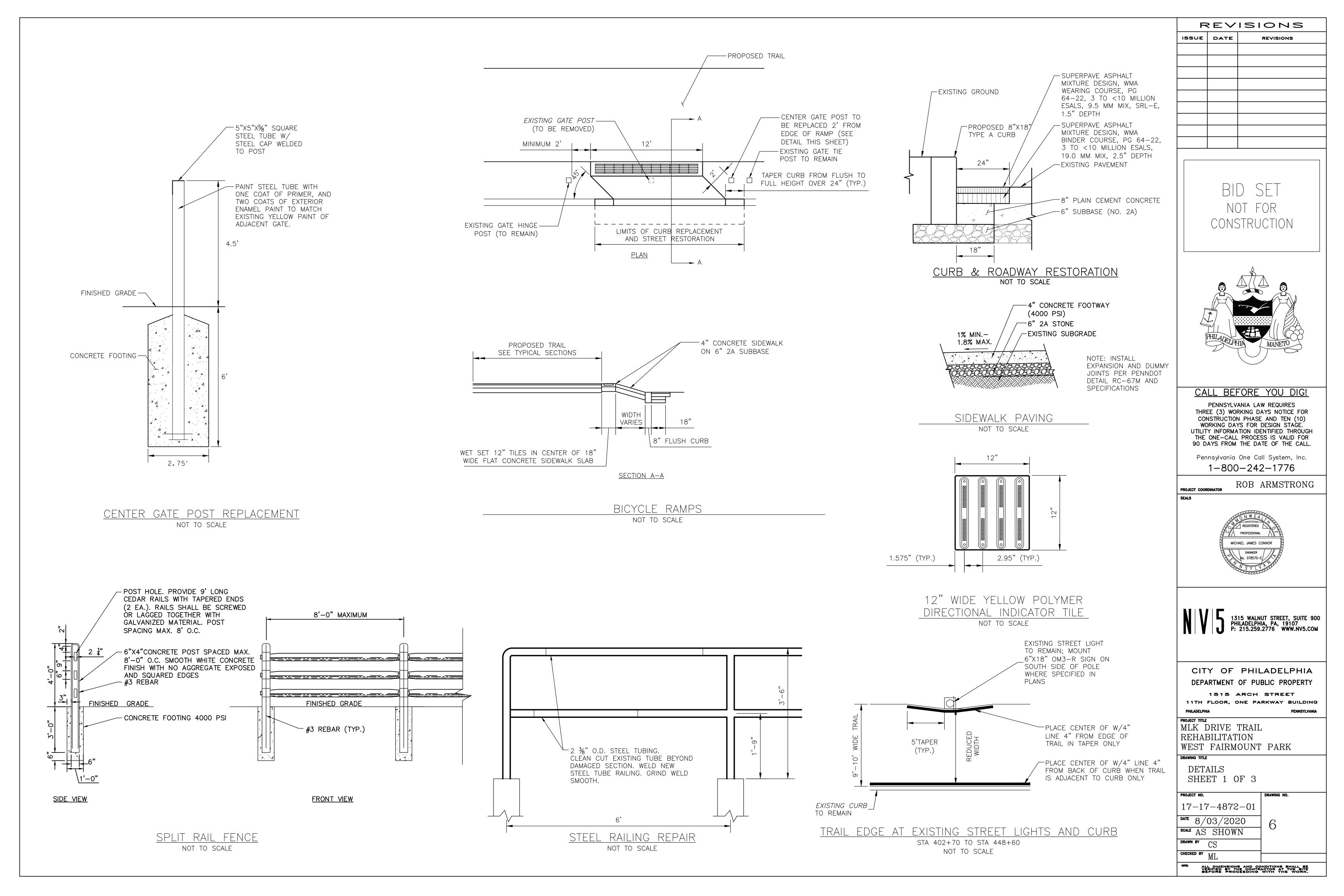
244320.5420'

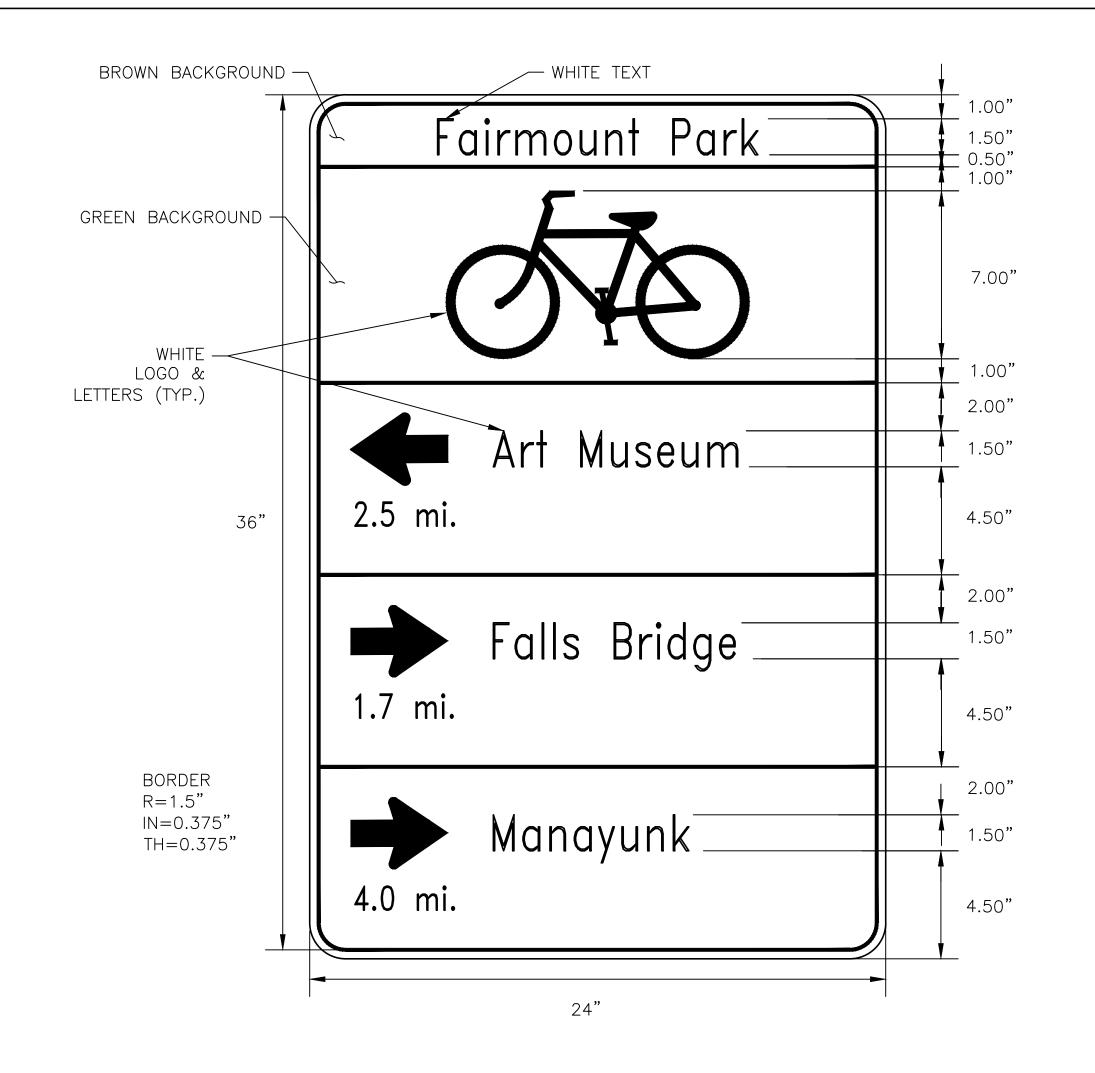
Easting

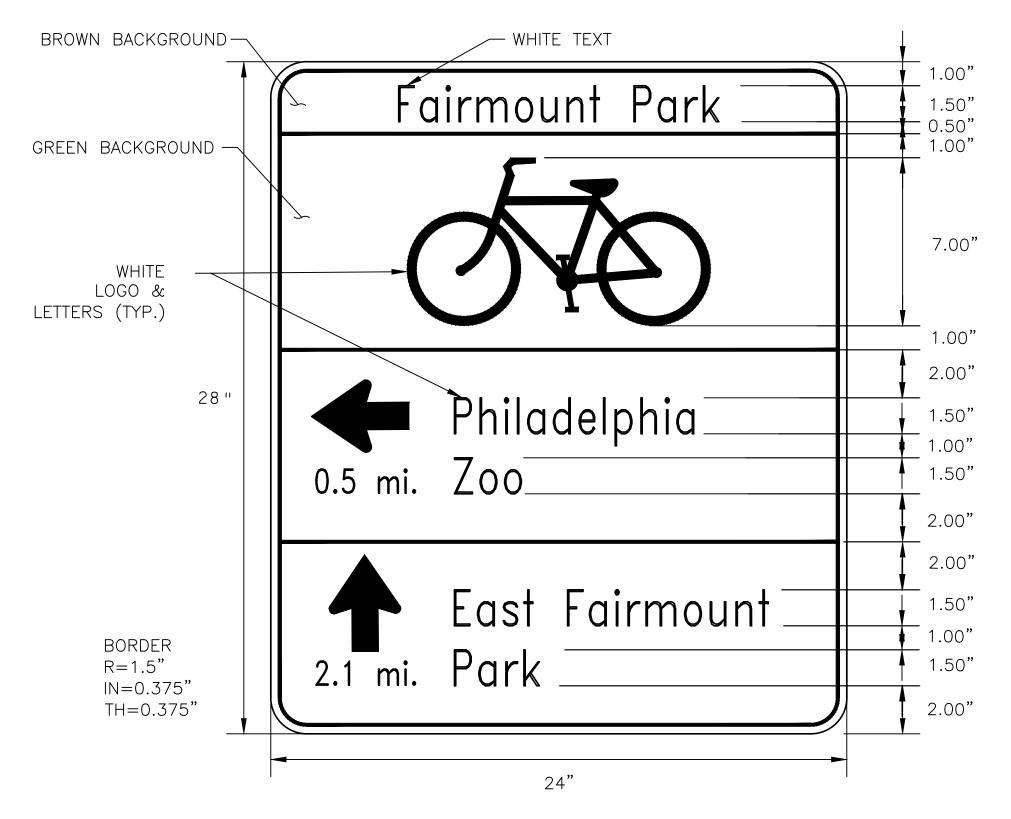
Northing

Point #



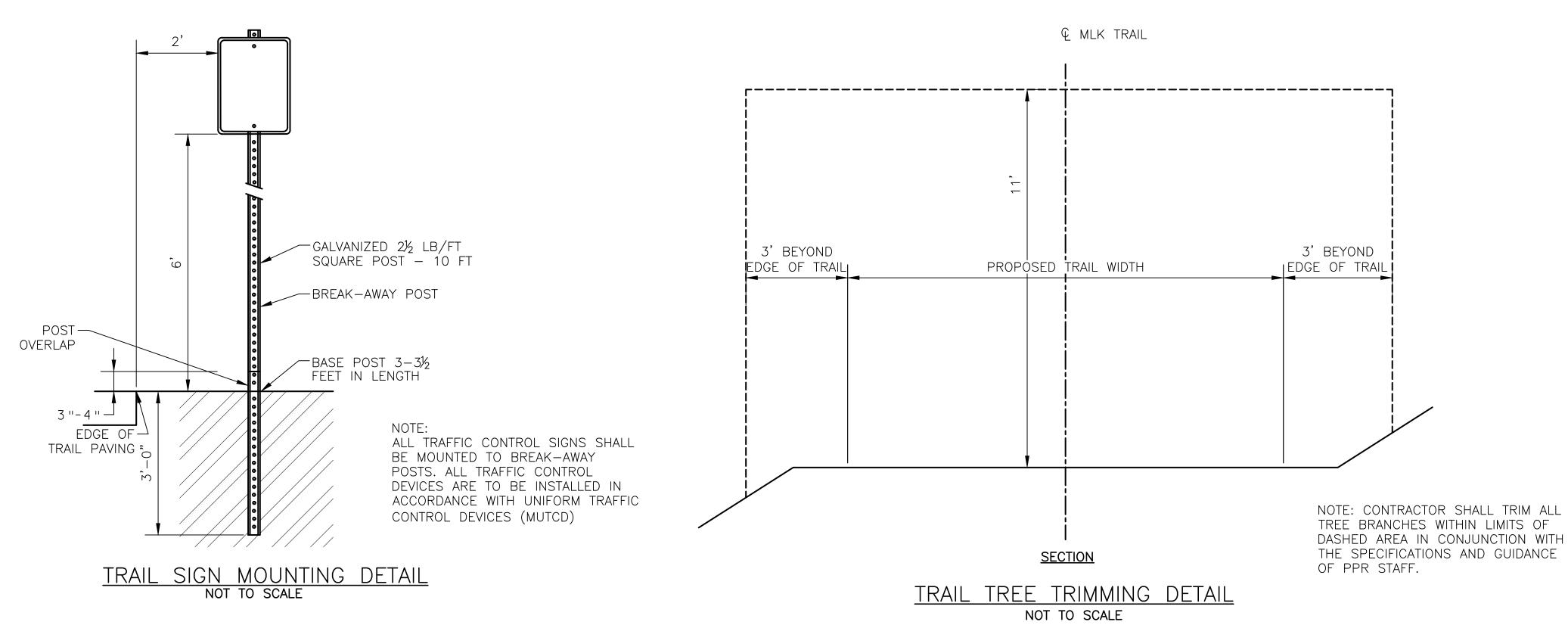


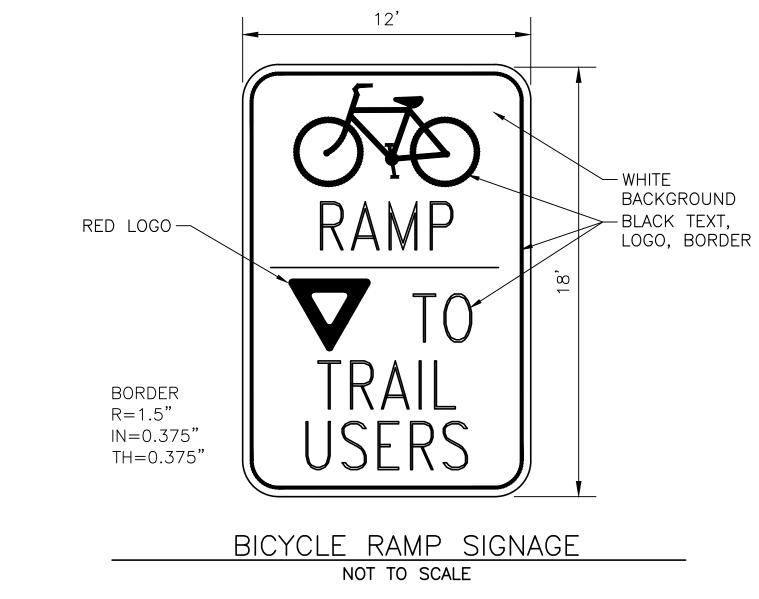


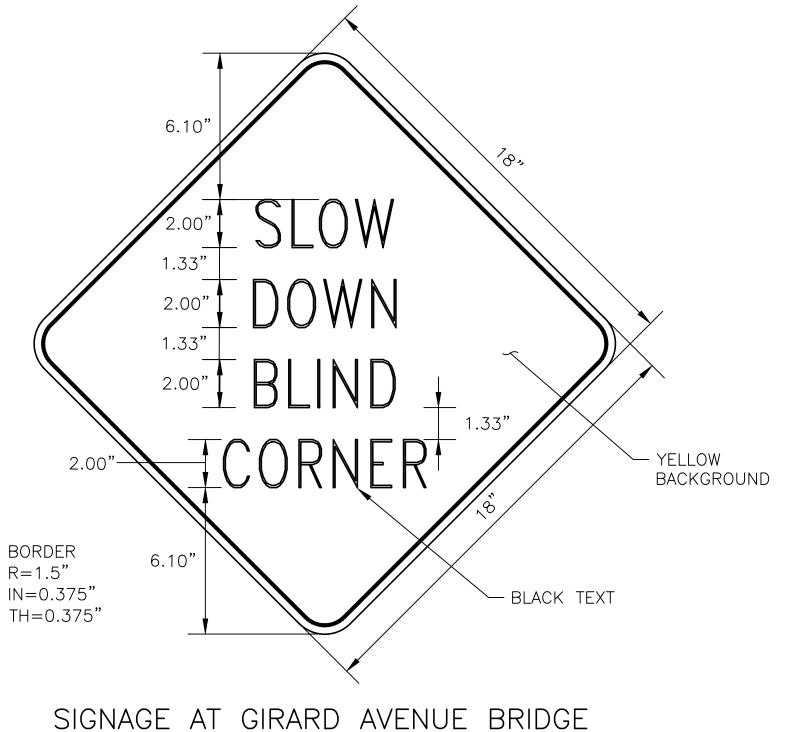


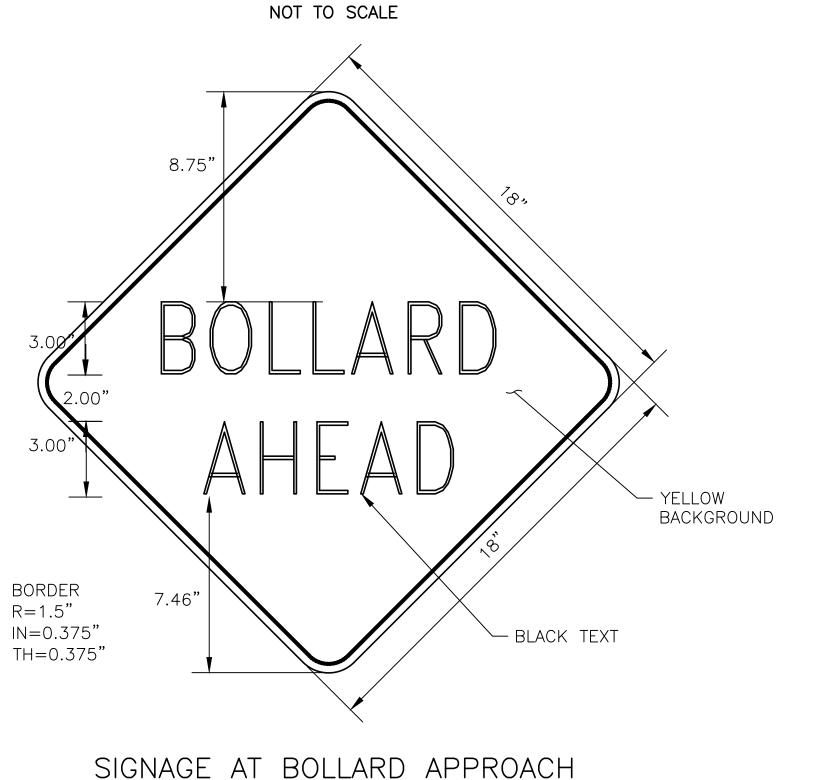
WAYFINDING SIGNAGE — TWO DESTINATIONS NOT TO SCALE

WAYFINDING SIGNAGE — THREE DESITINATIONS
NOT TO SCALE

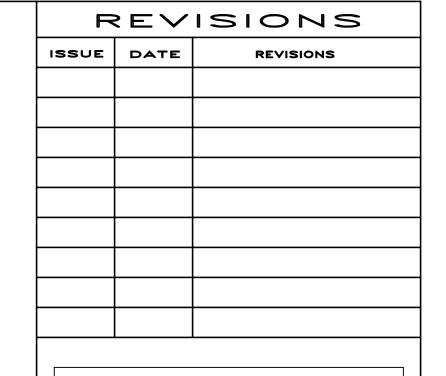








NOT TO SCALE



BID SET
NOT FOR
CONSTRUCTION

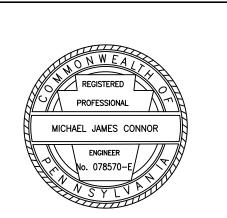


CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES
THREE (3) WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND TEN (10)
WORKING DAYS FOR DESIGN STAGE.
UTILITY INFORMATION IDENTIFIED THROUGH
THE ONE—CALL PROCESS IS VALID FOR
90 DAYS FROM THE DATE OF THE CALL.

Pennsylvania One Call System, Inc. 1-800-242-1776

PROJECT COORDINATOR ROB ARMSTRONG



1315 WALNUT STREET, SUITE 900 PHILADELPHIA, PA, 19107 P: 215.259.2776 WWW.NV5.COM

CITY OF PHILADELPHIA
DEPARTMENT OF PUBLIC PROPERTY

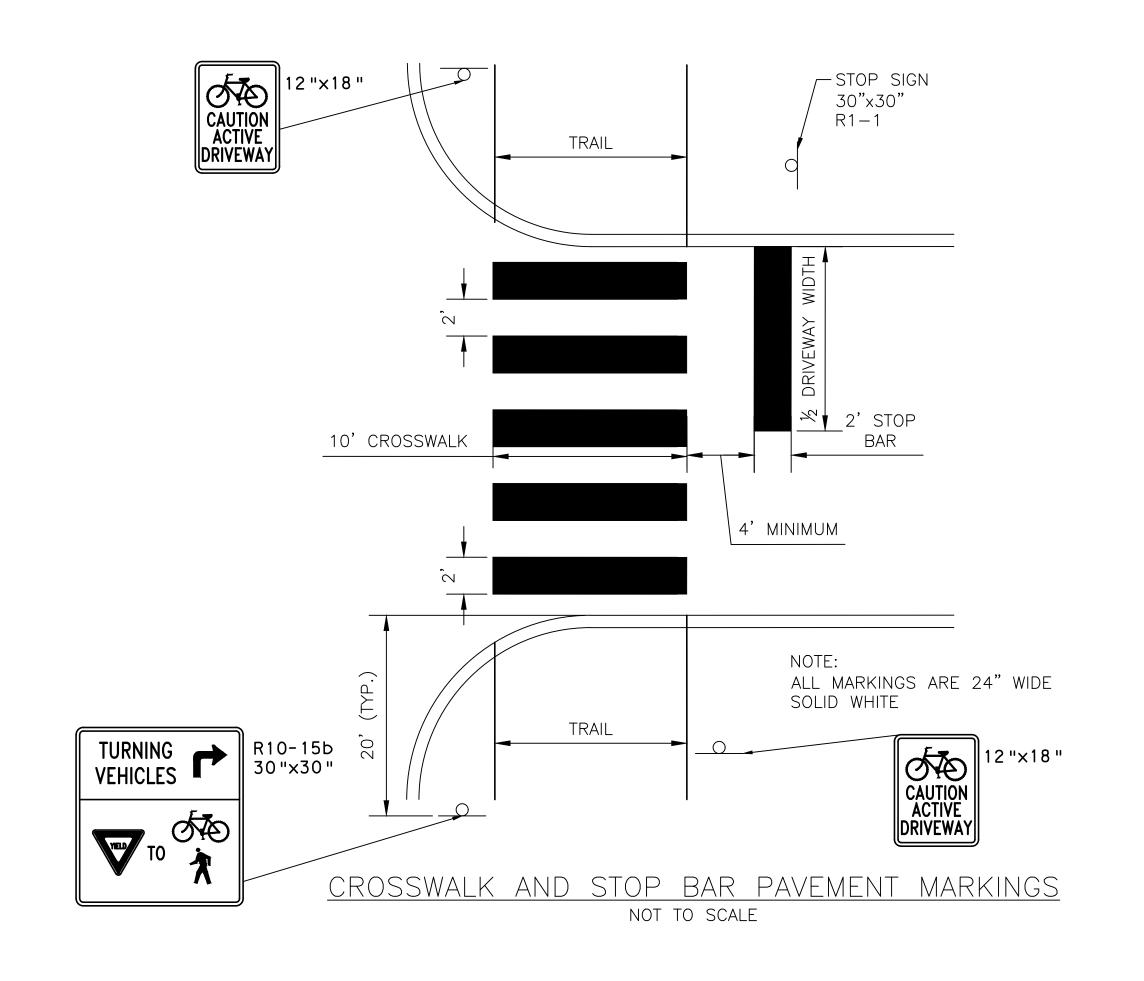
1515 ARCH STREET

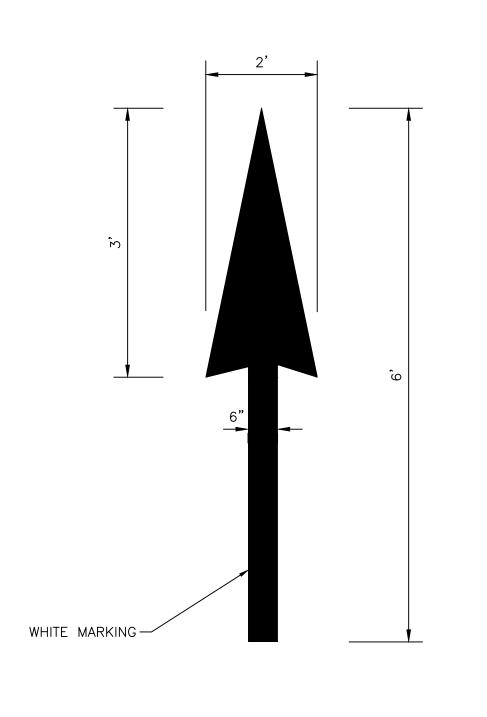
11TH FLOOR, ONE PARKWAY BUILDING

PROJECT TITLE
MLK DRIVE TRAIL
REHABILITATION
WEST FAIRMOUNT PARK

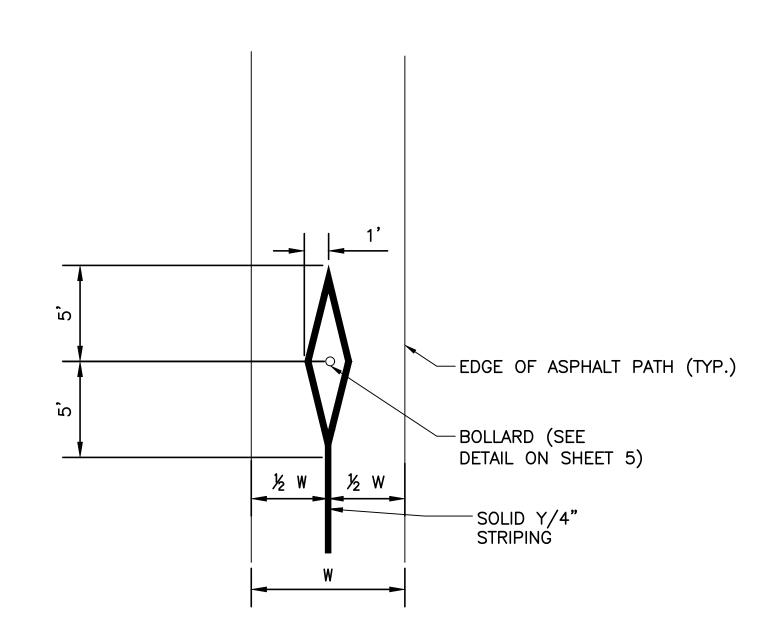
DETAILS
SHEET 2 OF 3

PROJECT NO. DRAWING NO. 17-17-4872-01DATE 8/03/2020SCALE AS SHOWN
DRAWN BY CS
CHECKED BY 157

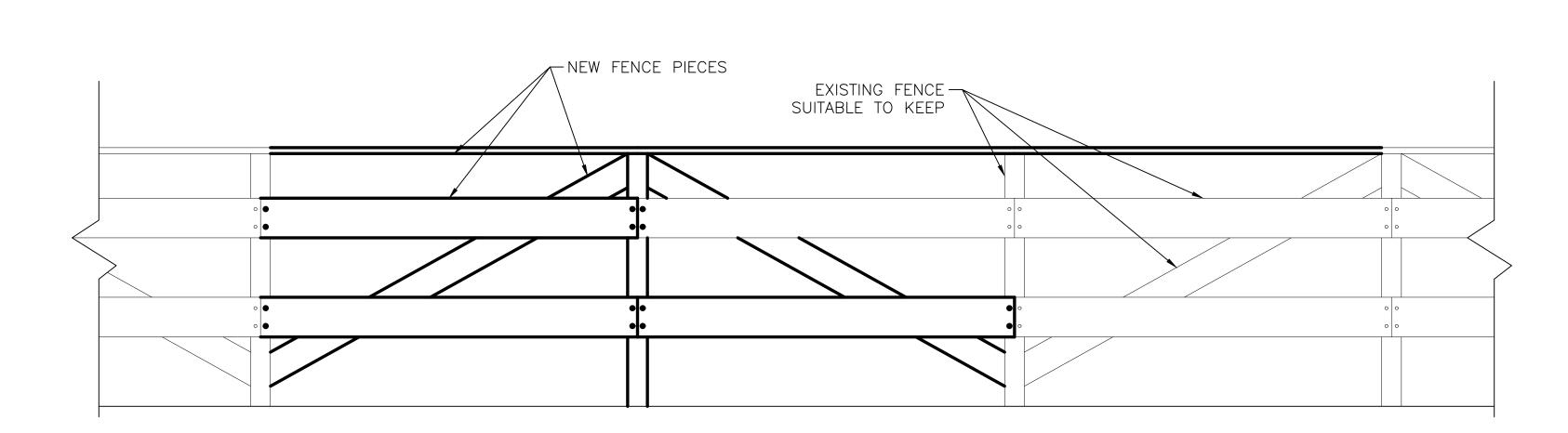




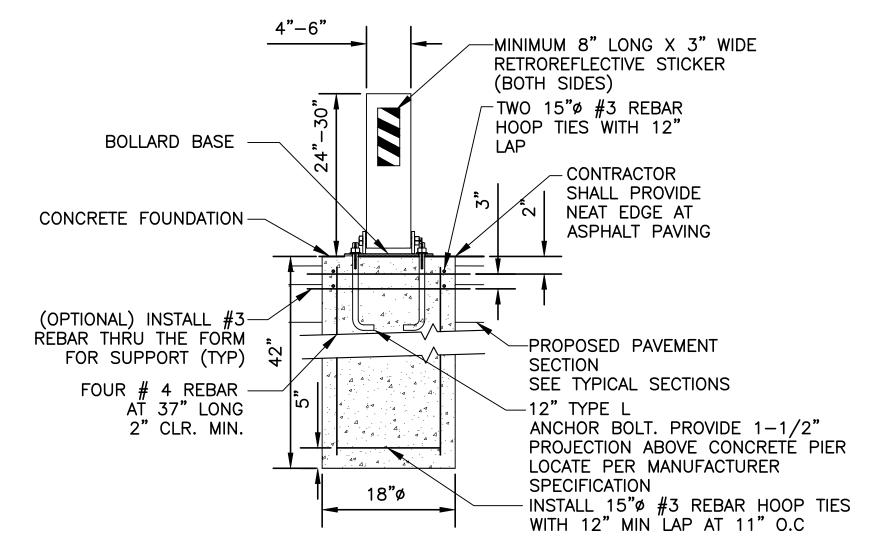
PREFORMED THERMOPLASTIC BICYCLE ARROW NOT TO SCALE



APPROACH TO BOLLARD DETAIL NOT TO SCALE



REPAIR OF WOOD SLAT FENCE NOT TO SCALE



- 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH
- MANUFACTURER'S SPECIFICATIONS.
- 2. BOLLARD SHALL HINGE IN THE DIRECTION OF TRAFFIC 3. BOLLARD SHALL HAVE THE ABILITY TO BE LOCKED WITH A
- PADLOCK (PADLOCK PROVIDED BY THE OWNER)
 4. ALL BOLTS TO BE TACK WELDED TO PREVENT THEFT.

COLLAPSIBLE BOLLARD NOT TO SCALE

F	REV	ISIONS
ISSUE	DATE	REVISIONS

CONSTRUCTION

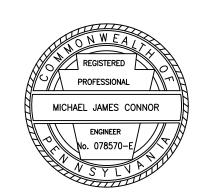


CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES
THREE (3) WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND TEN (10)
WORKING DAYS FOR DESIGN STAGE.
UTILITY INFORMATION IDENTIFIED THROUGH
THE ONE—CALL PROCESS IS VALID FOR
90 DAYS FROM THE DATE OF THE CALL.

Pennsylvania One Call System, Inc. 1-800-242-1776

ROB ARMSTRONG



1315 WALNUT STREET, SUITE 900 PHILADELPHIA, PA, 19107 P: 215.259.2776 WWW.NV5.COM

CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY

1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING

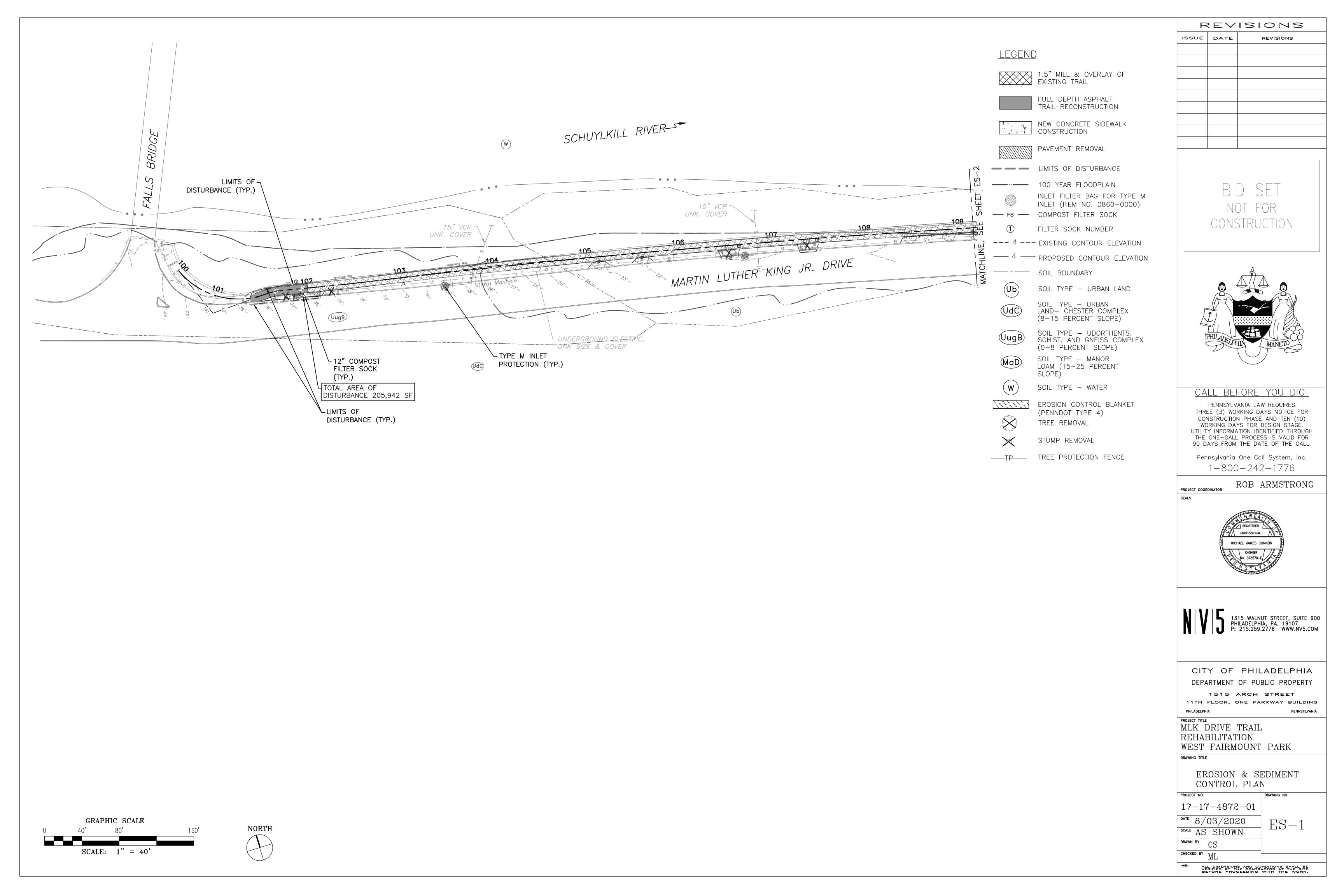
PROJECT TITLE MLK DRIVE TRAIL REHABILITATION WEST FAIRMOUNT PARK

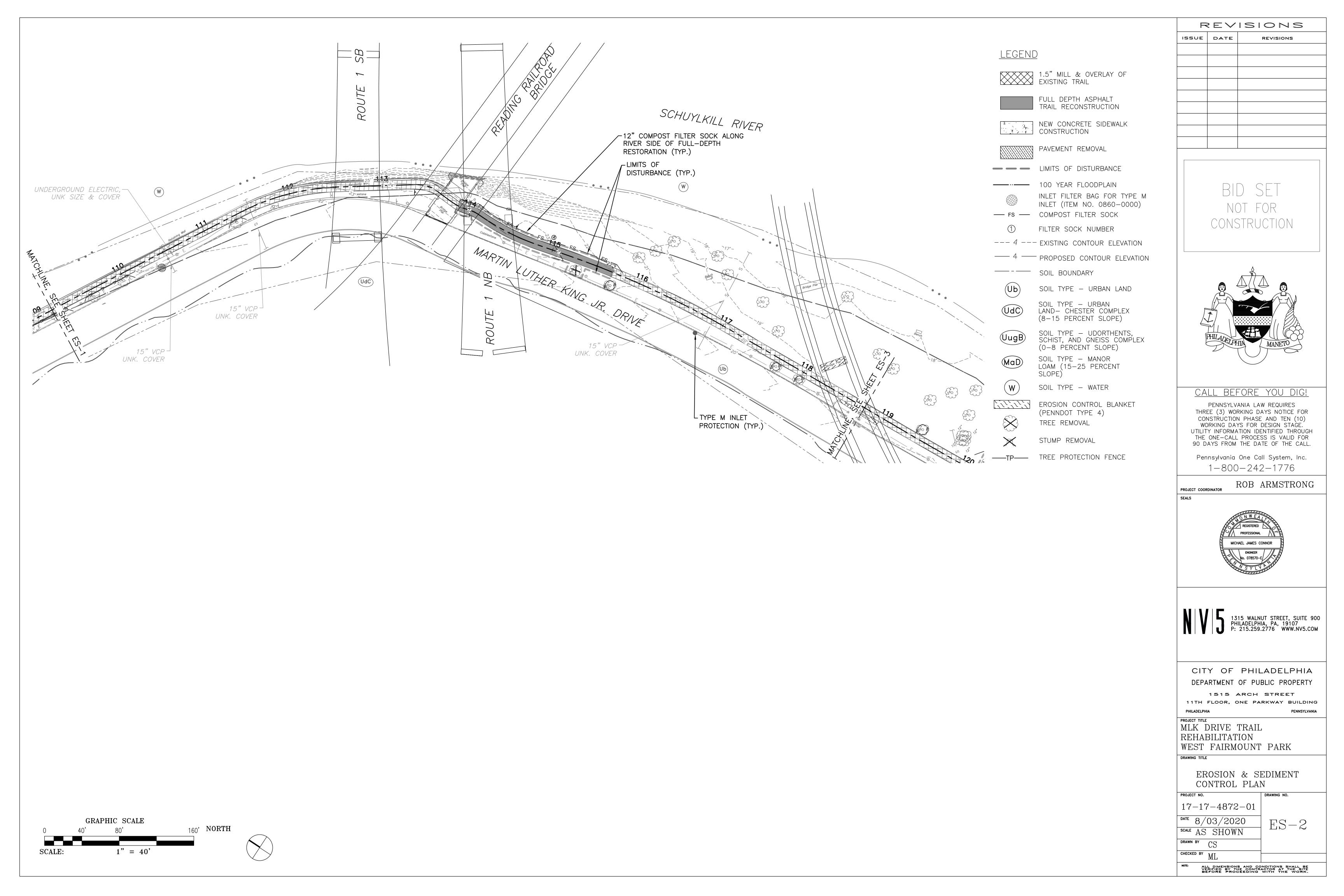
DRAWING TITLE DETAILS

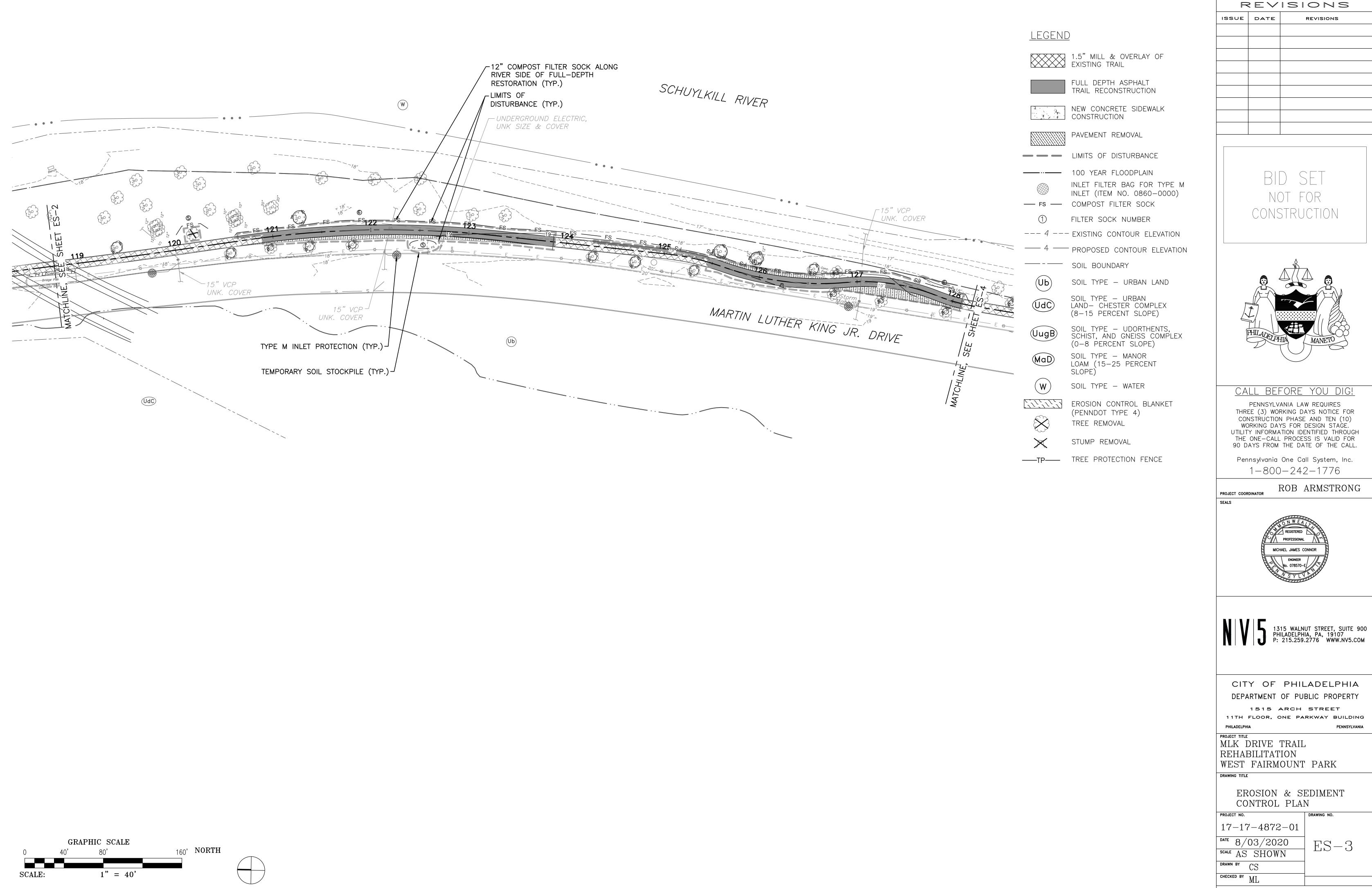
PROJECT NO. DRAWING NO. 17-17-4872-01 DATE 8/03/2020

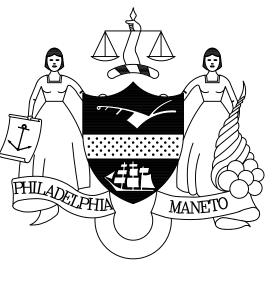
SHEET 3 OF 3

SCALE AS SHOWN DRAWN BY CS

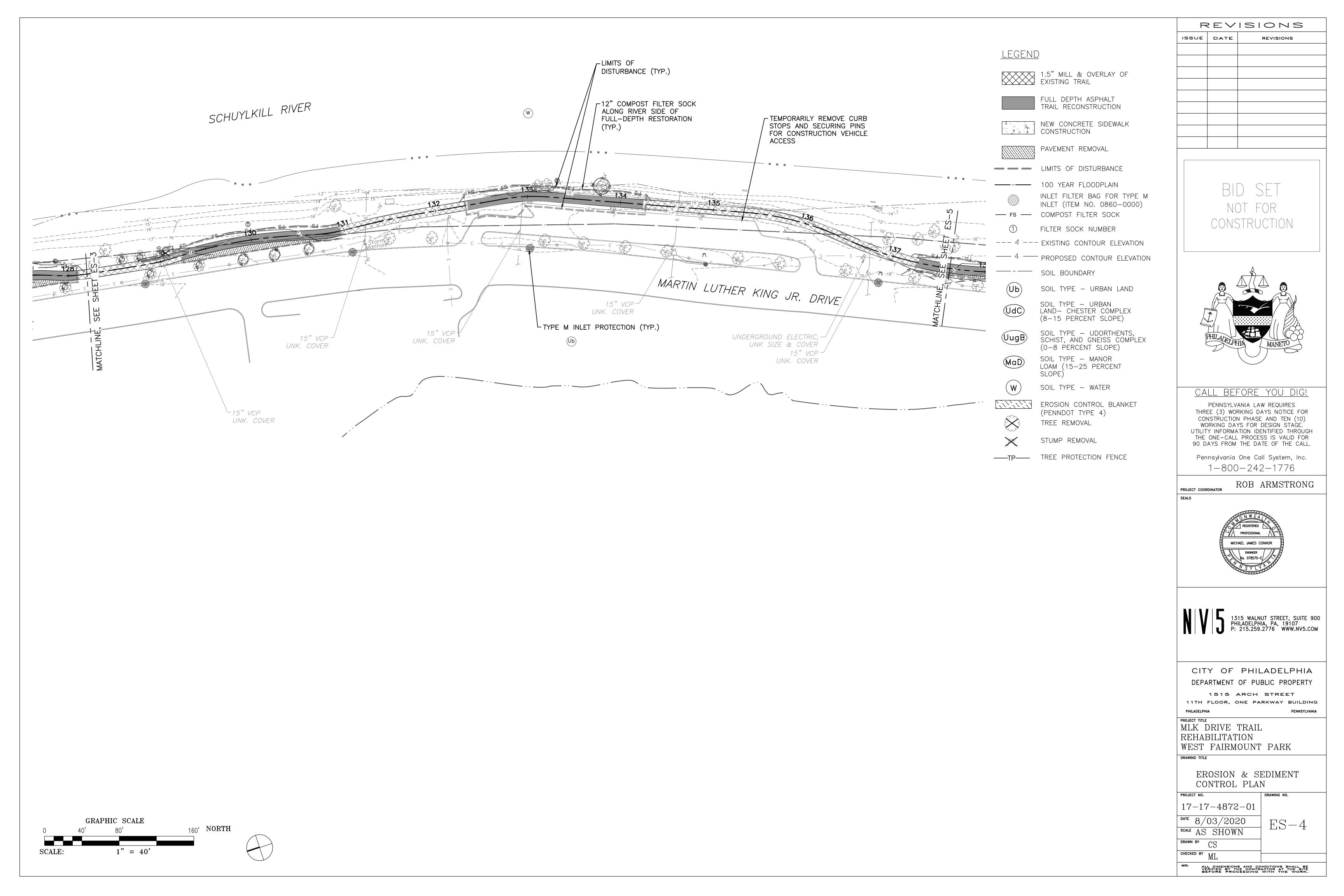


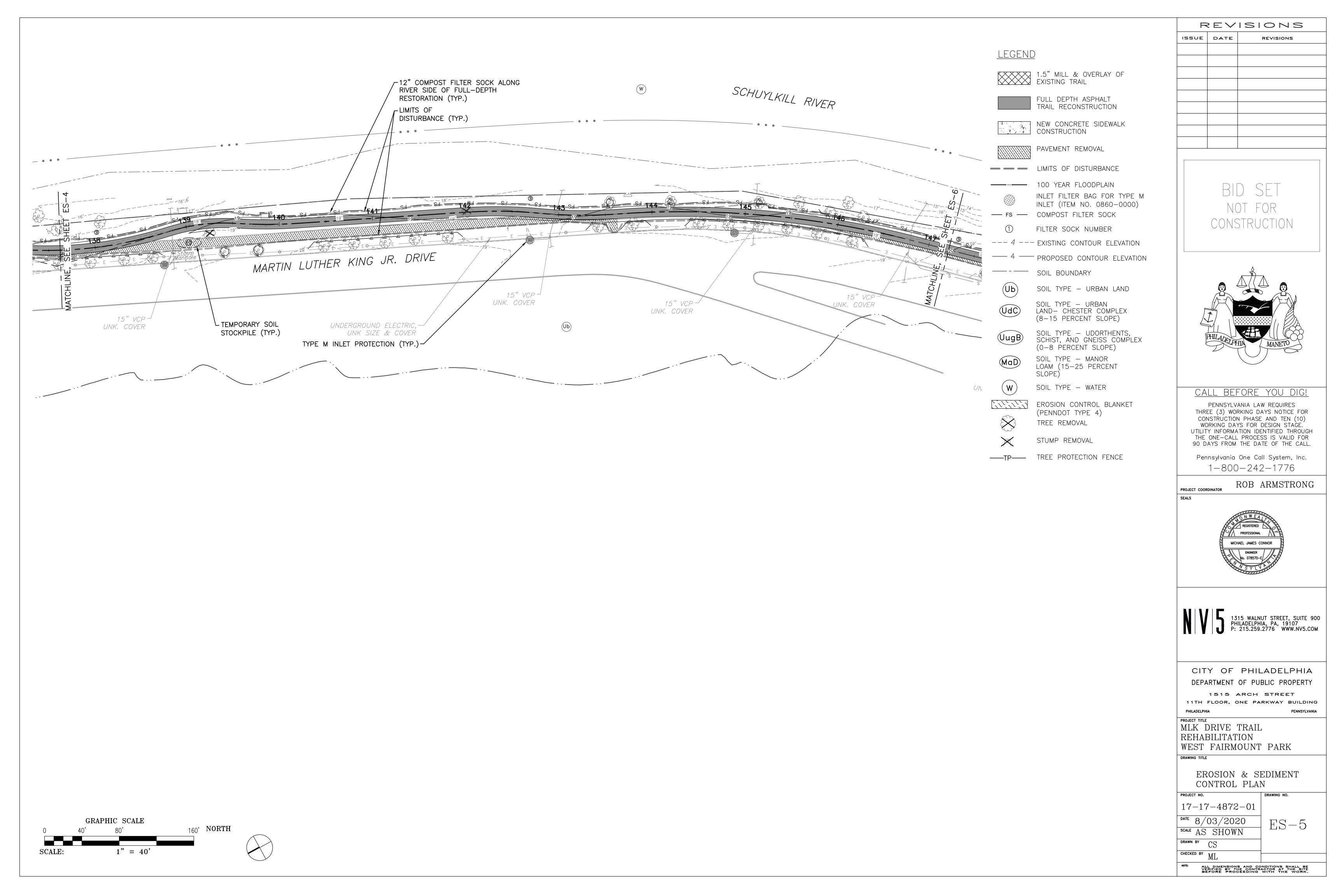


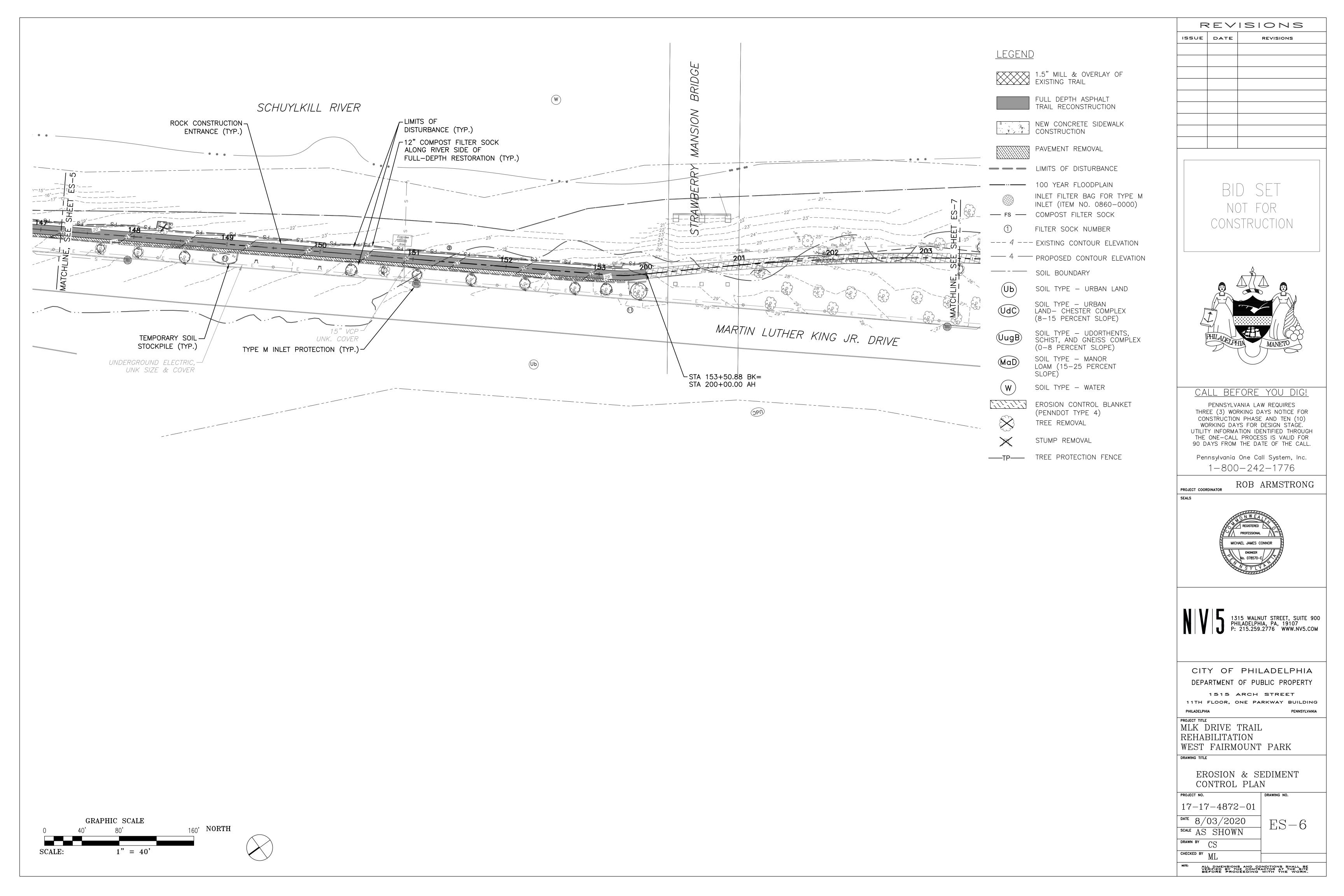


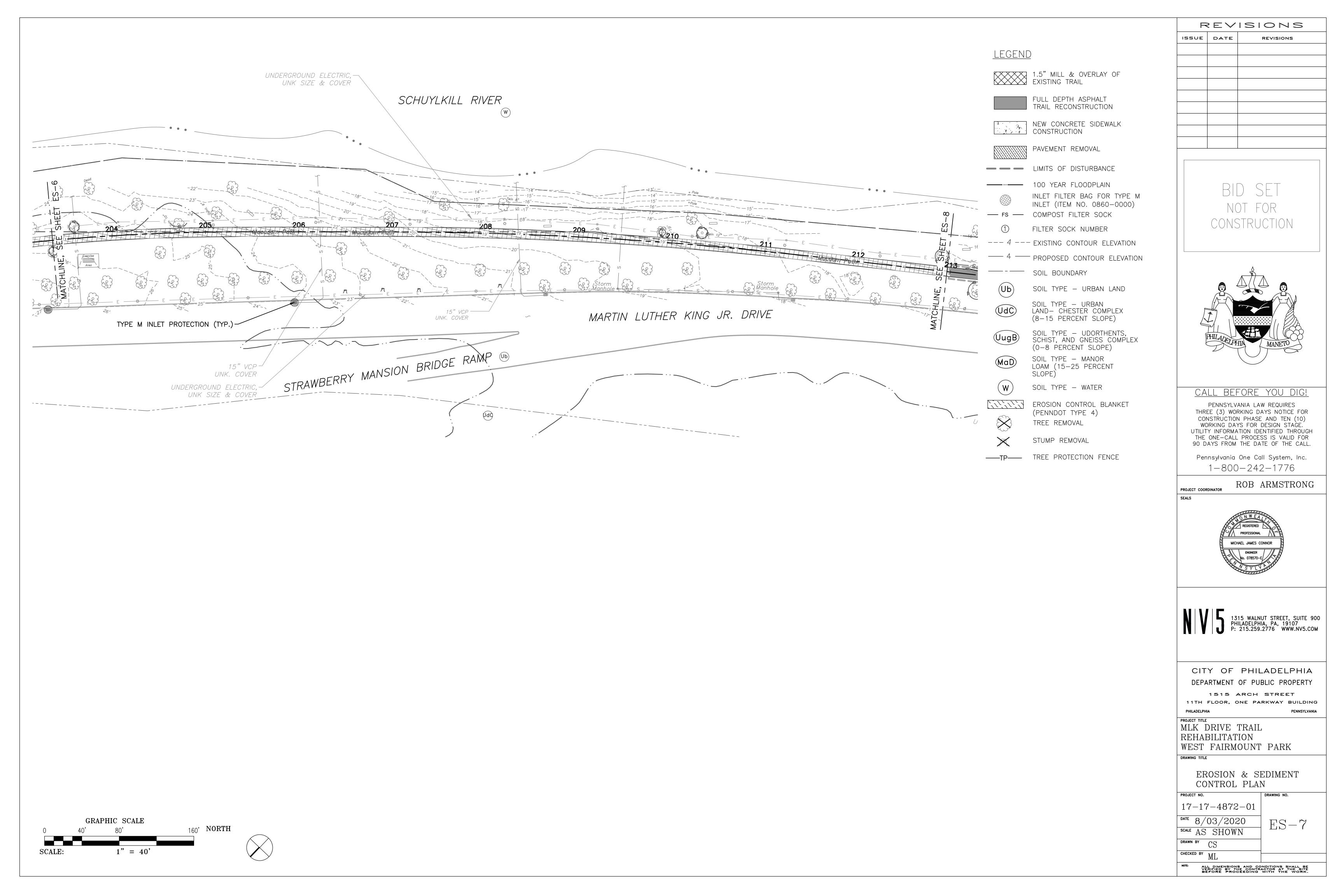


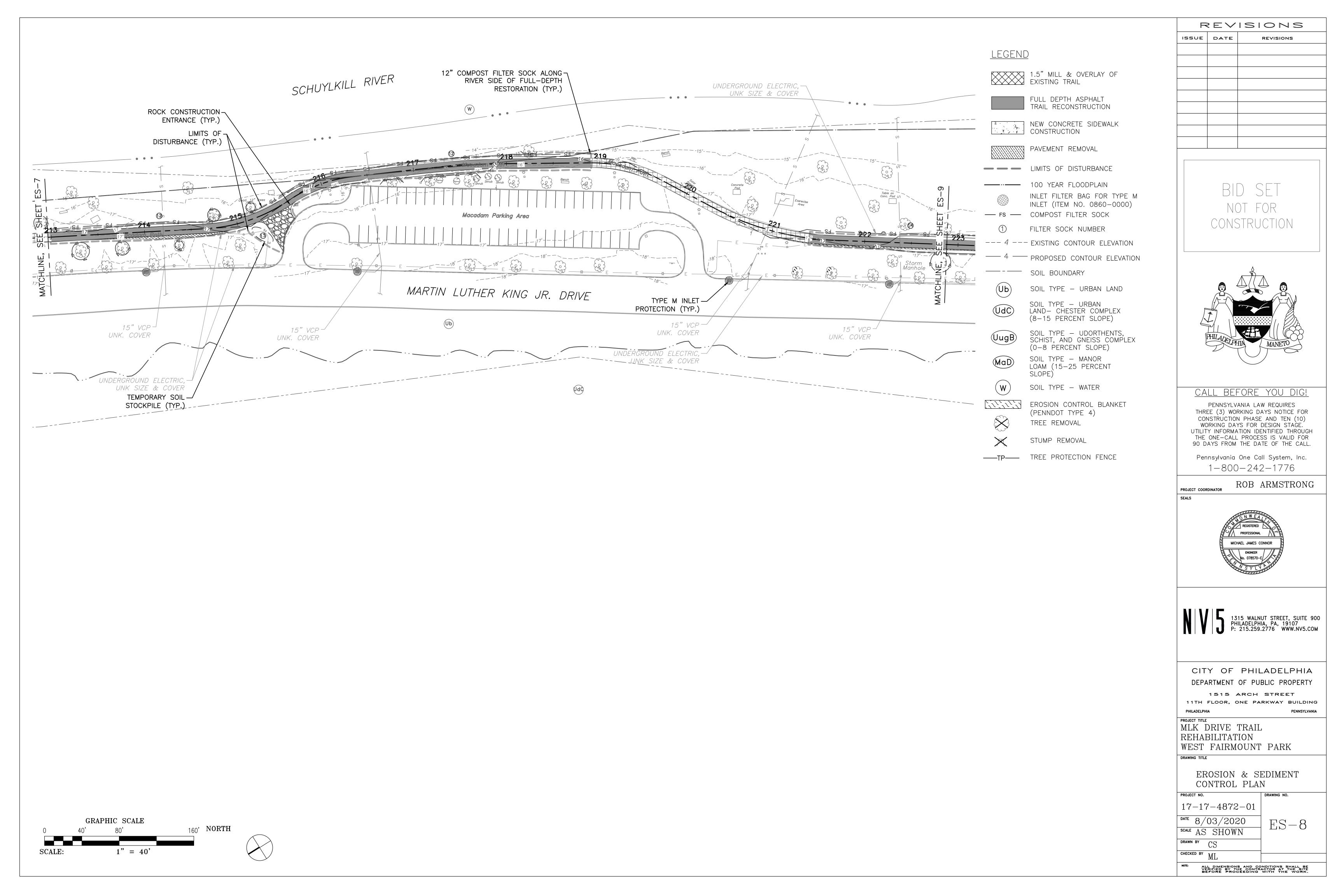
CITY OF PHILADELPHIA

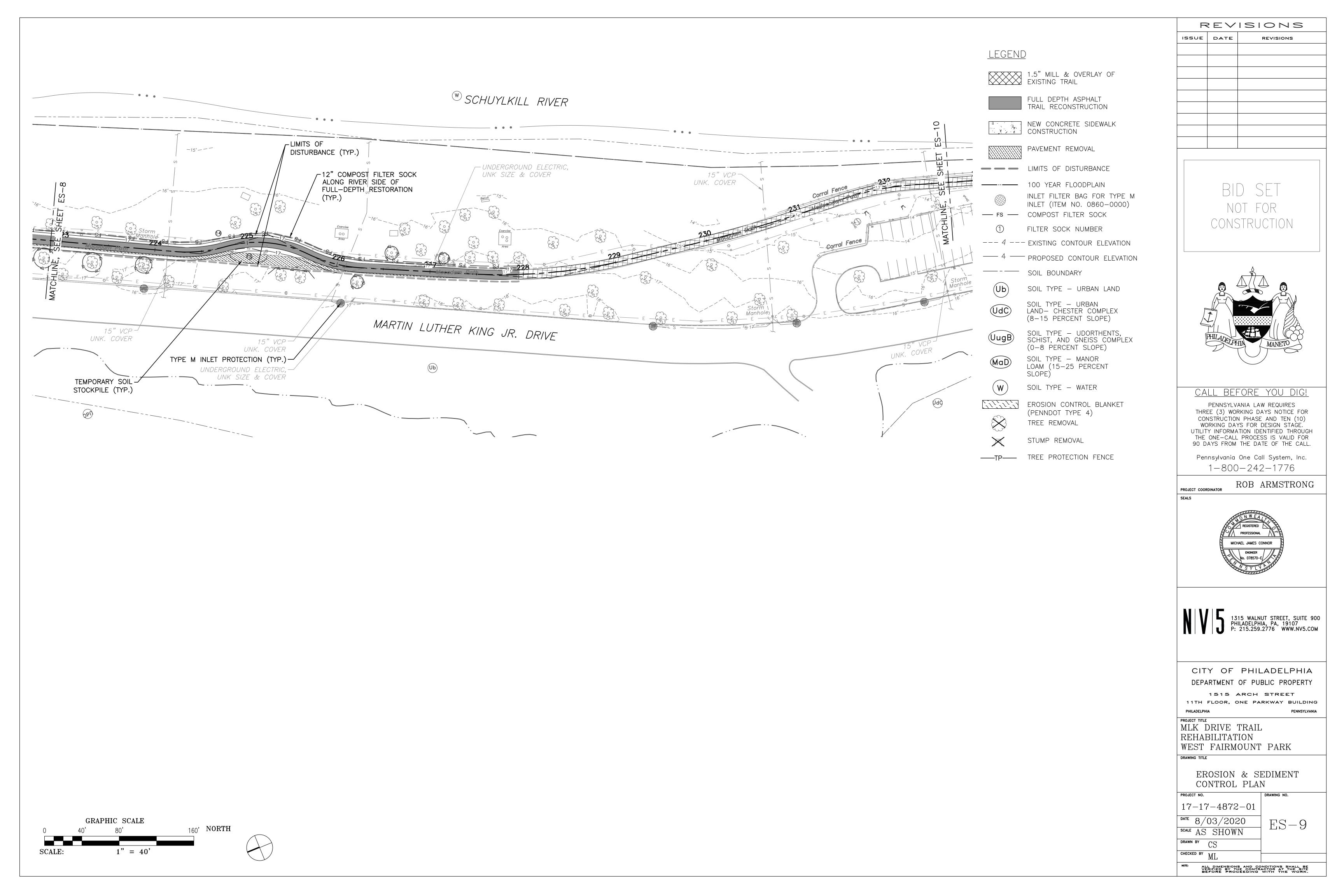


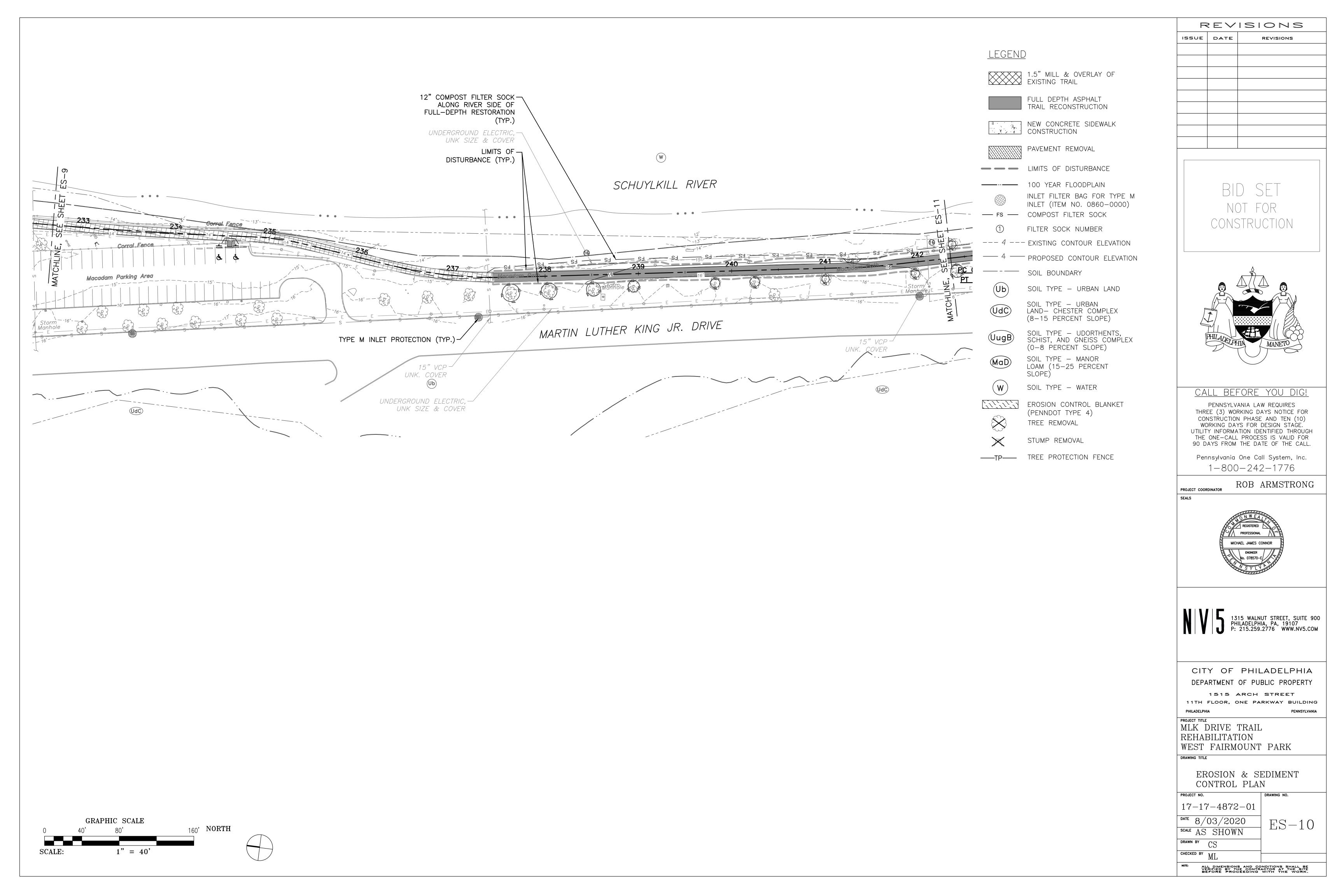


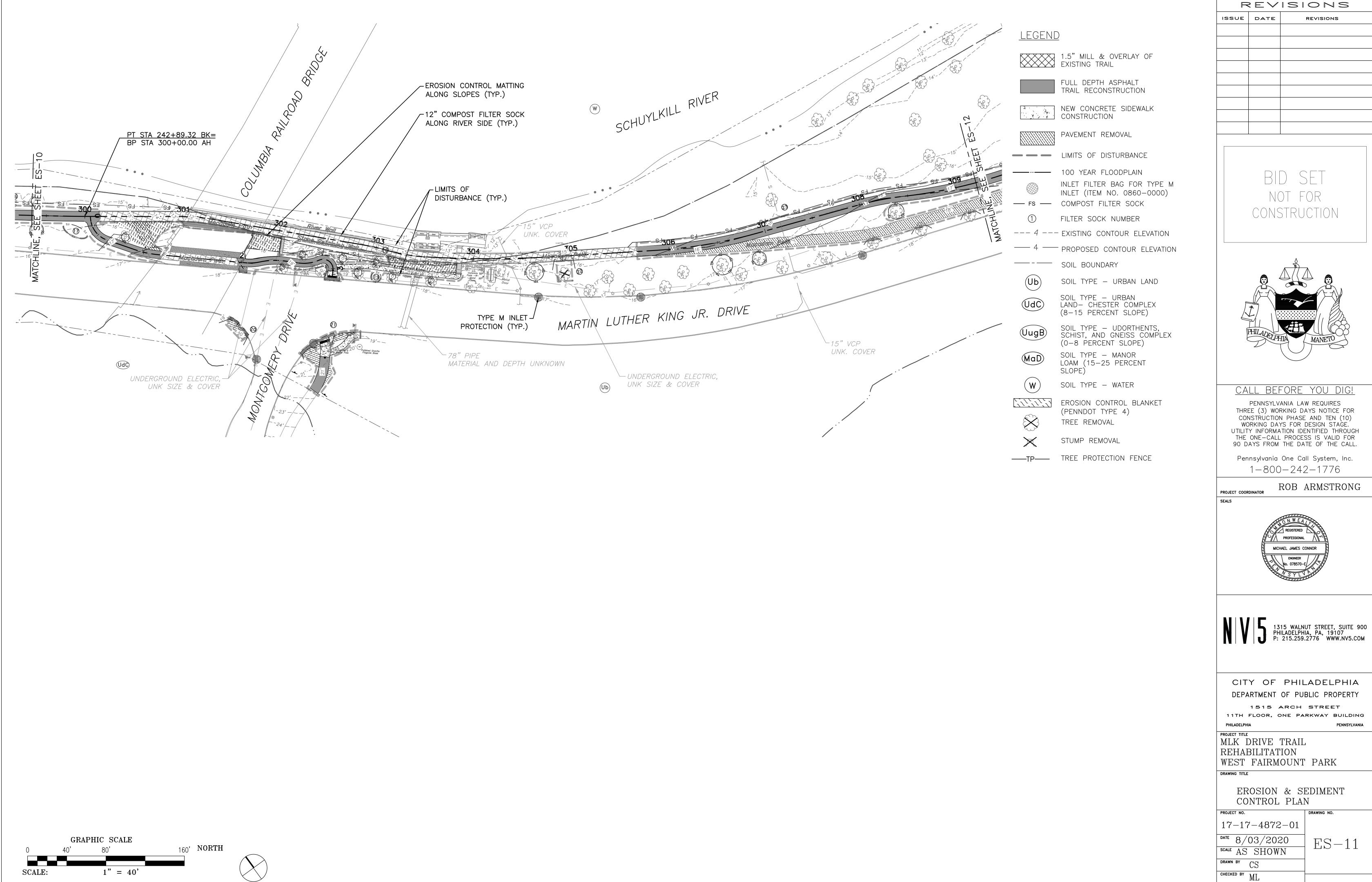


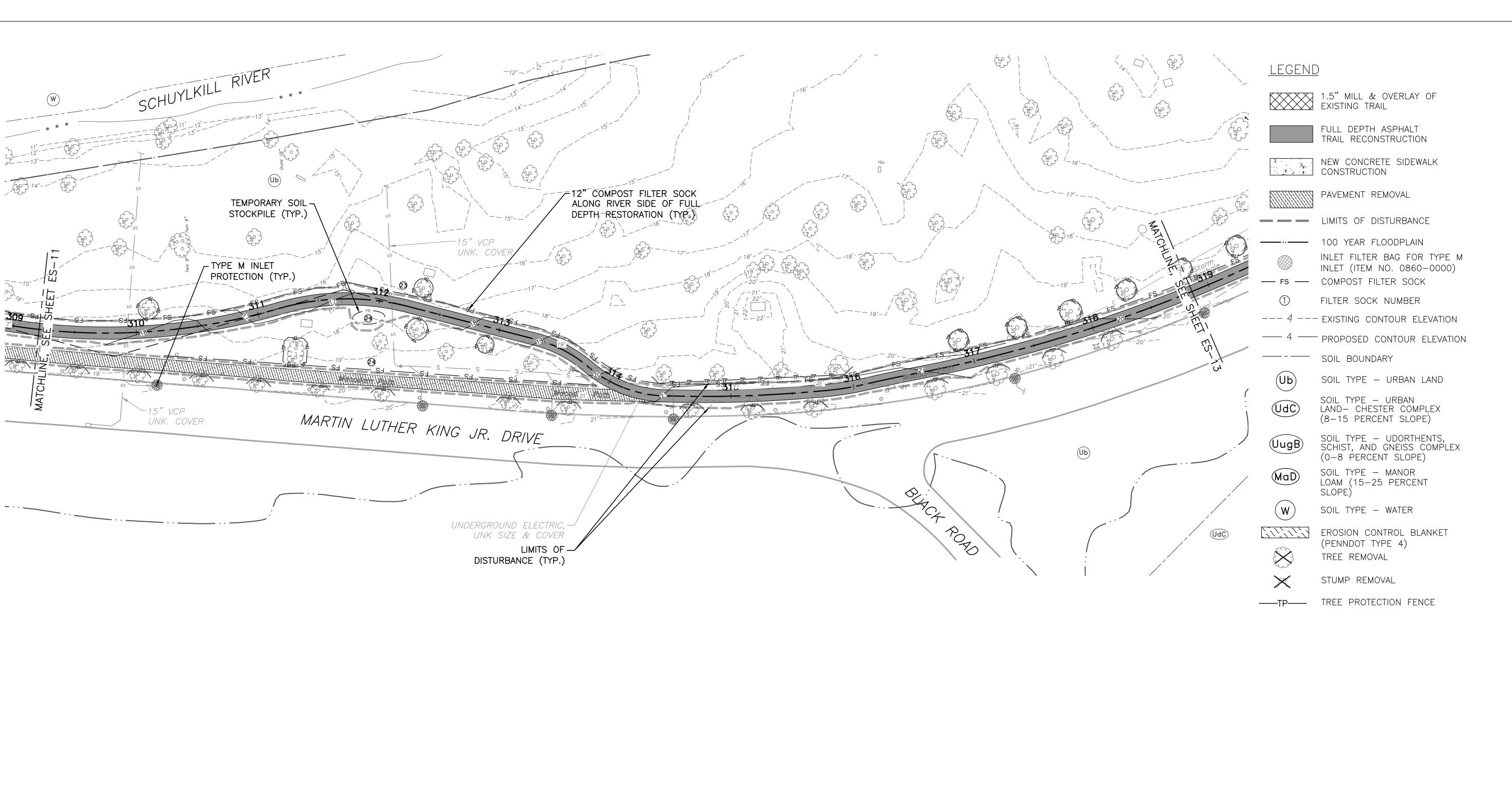












REVISIONS ISSUE DATE REVISIONS

> NOT FOR CONSTRUCTION

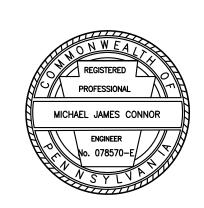


CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND TEN (10)
WORKING DAYS FOR DESIGN STAGE.
UTILITY INFORMATION IDENTIFIED THROUGH THE ONE-CALL PROCESS IS VALID FOR 90 DAYS FROM THE DATE OF THE CALL.

Pennsylvania One Call System, Inc. 1-800-242-1776

ROB ARMSTRONG



1315 WALNUT STREET, SUITE 900 PHILADELPHIA, PA, 19107 P: 215.259.2776 WWW.NV5.COM

CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY

1515 ARCH STREET

11TH FLOOR, ONE PARKWAY BUILDING

PROJECT TITLE MLK DRIVE TRAIL REHABILITATION

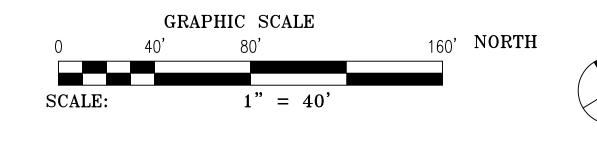
WEST FAIRMOUNT PARK DRAWING TITLE

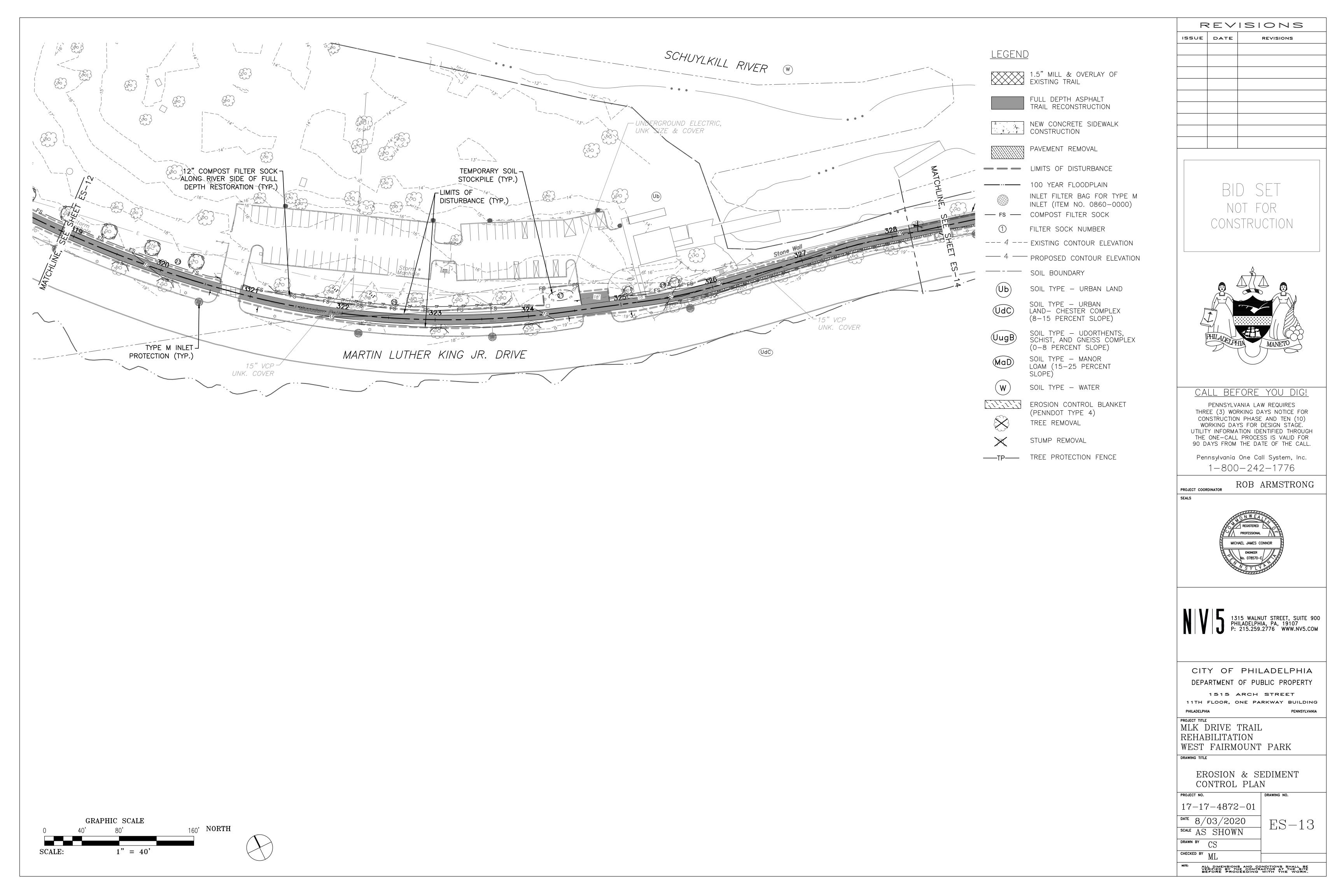
EROSION & SEDIMENT CONTROL PLAN

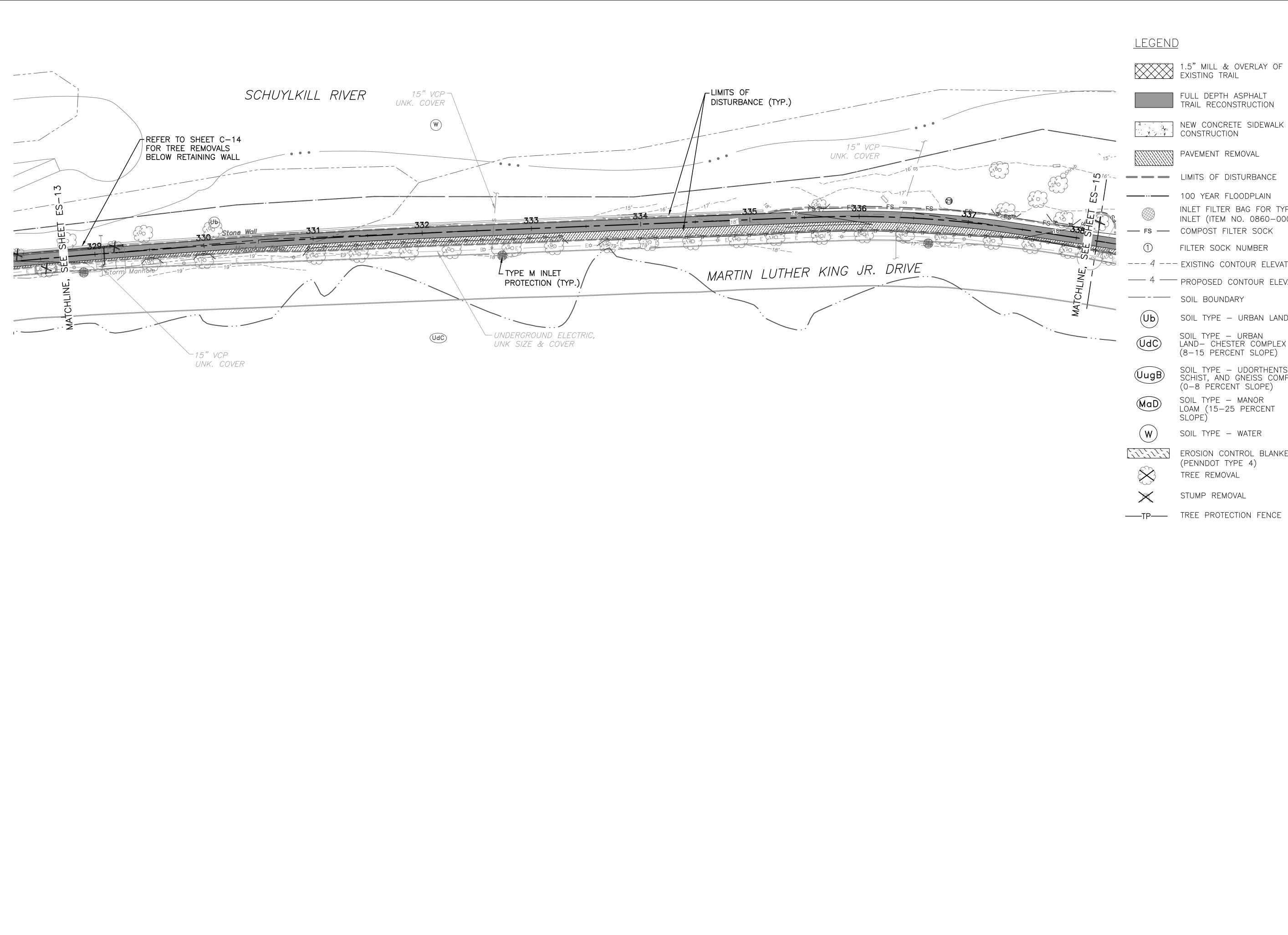
17-17-4872-01 0.020scale AS SHOWN DRAWN BY CS

PROJECT NO.

ES-12







GRAPHIC SCALE

160' NORTH



NEW CONCRETE SIDEWALK
CONSTRUCTION

INLET FILTER BAG FOR TYPE M INLET (ITEM NO. 0860-0000)

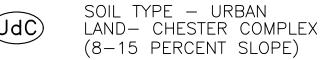
— FS — COMPOST FILTER SOCK

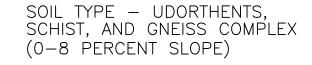
FILTER SOCK NUMBER

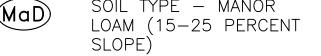
--- 4 --- EXISTING CONTOUR ELEVATION

—— 4 —— PROPOSED CONTOUR ELEVATION

SOIL TYPE - URBAN LAND







SOIL TYPE - WATER

EROSION CONTROL BLANKET (PENNDOT TYPE 4)

REVISIONS ISSUE DATE REVISIONS

> BID SET NOT FOR CONSTRUCTION

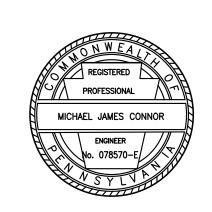


CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND TEN (10)
WORKING DAYS FOR DESIGN STAGE.
UTILITY INFORMATION IDENTIFIED THROUGH THE ONE-CALL PROCESS IS VALID FOR 90 DAYS FROM THE DATE OF THE CALL.

Pennsylvania One Call System, Inc. 1-800-242-1776

ROB ARMSTRONG



1315 WALNUT STREET, SUITE 900 PHILADELPHIA, PA, 19107 P: 215.259.2776 WWW.NV5.COM

CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY

1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING

PROJECT TITLE MLK DRIVE TRAIL REHABILITATION WEST FAIRMOUNT PARK

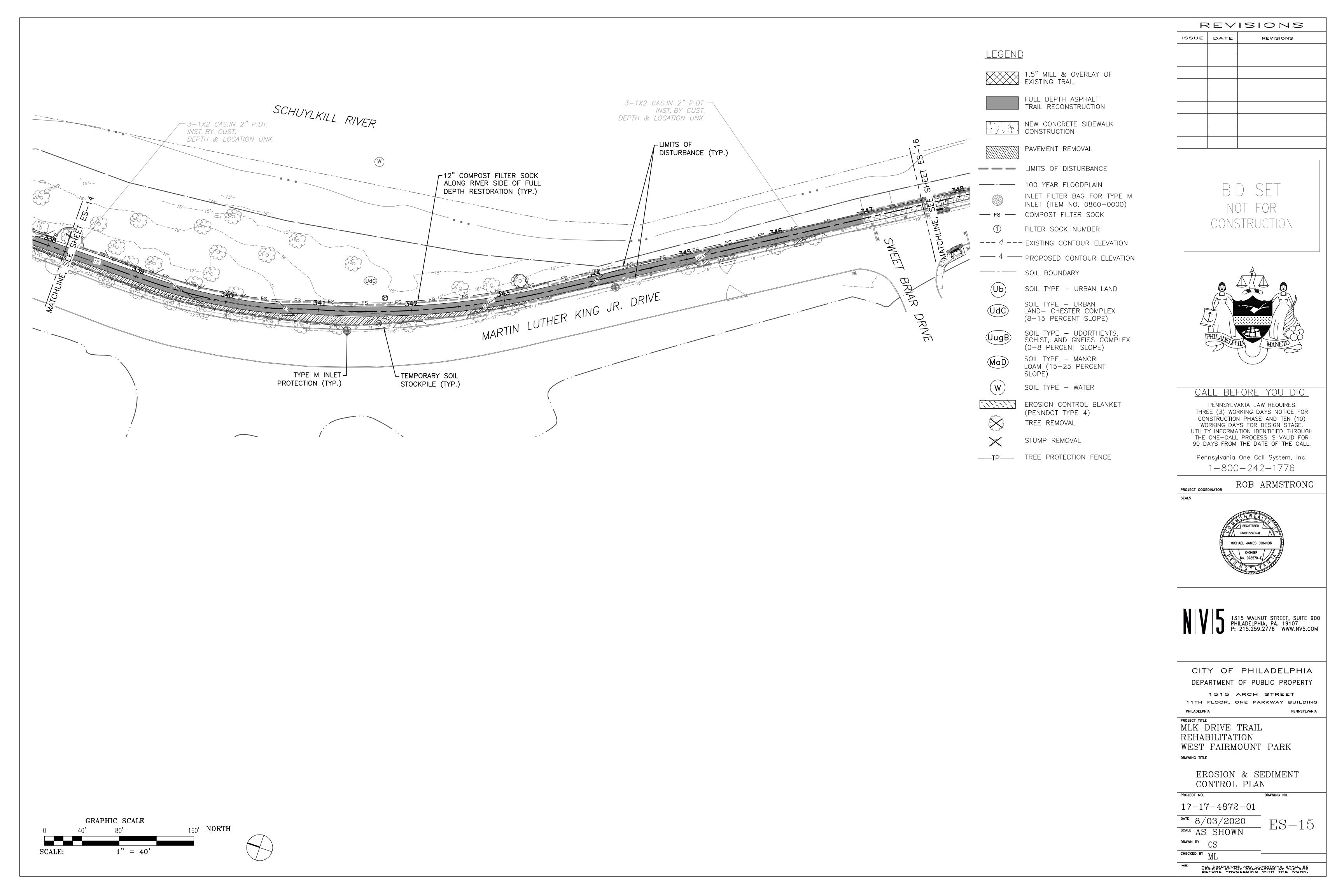
DRAWING TITLE

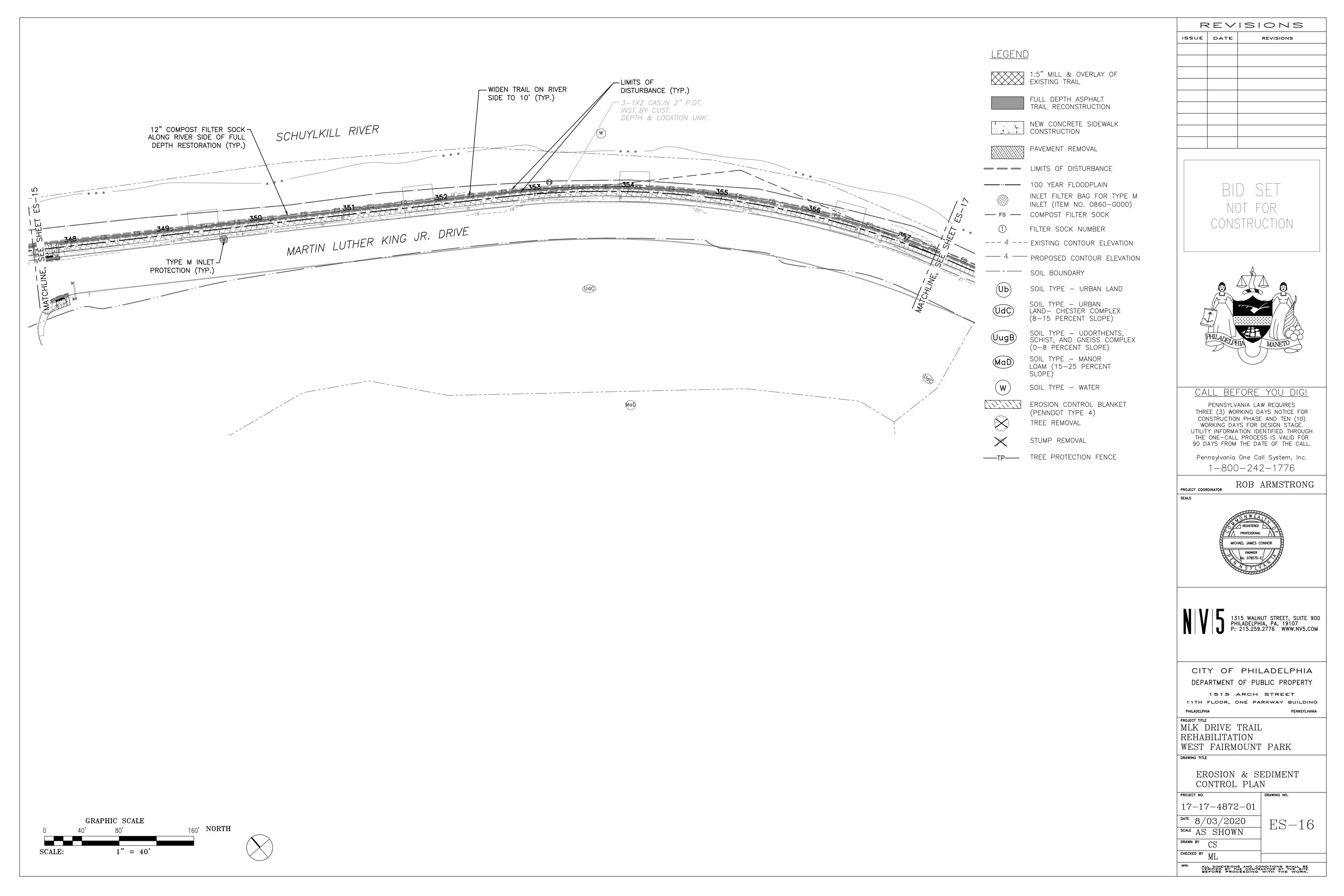
EROSION & SEDIMENT CONTROL PLAN PROJECT NO.

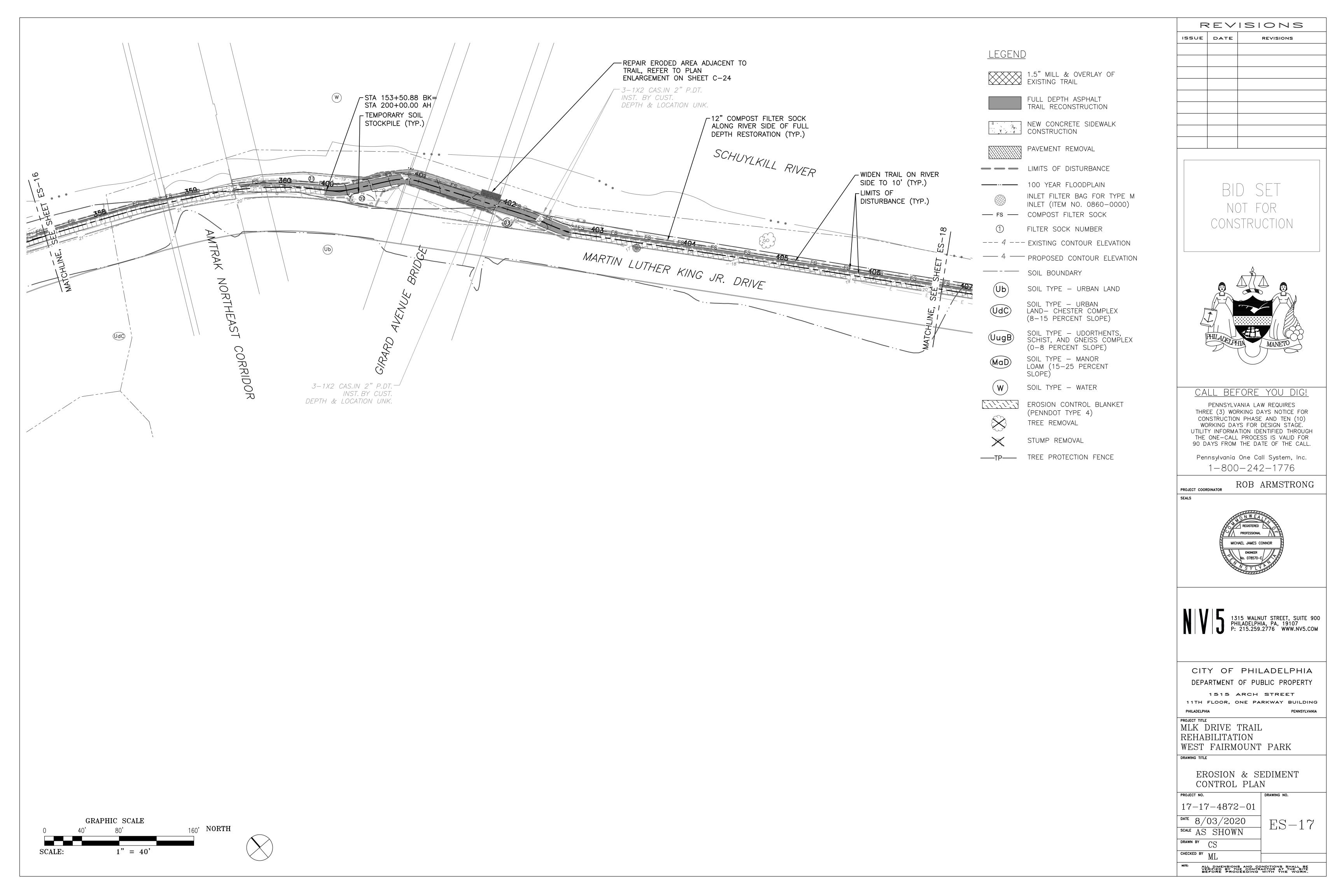
17-17-4872-01 8/03/2020scale AS SHOWN

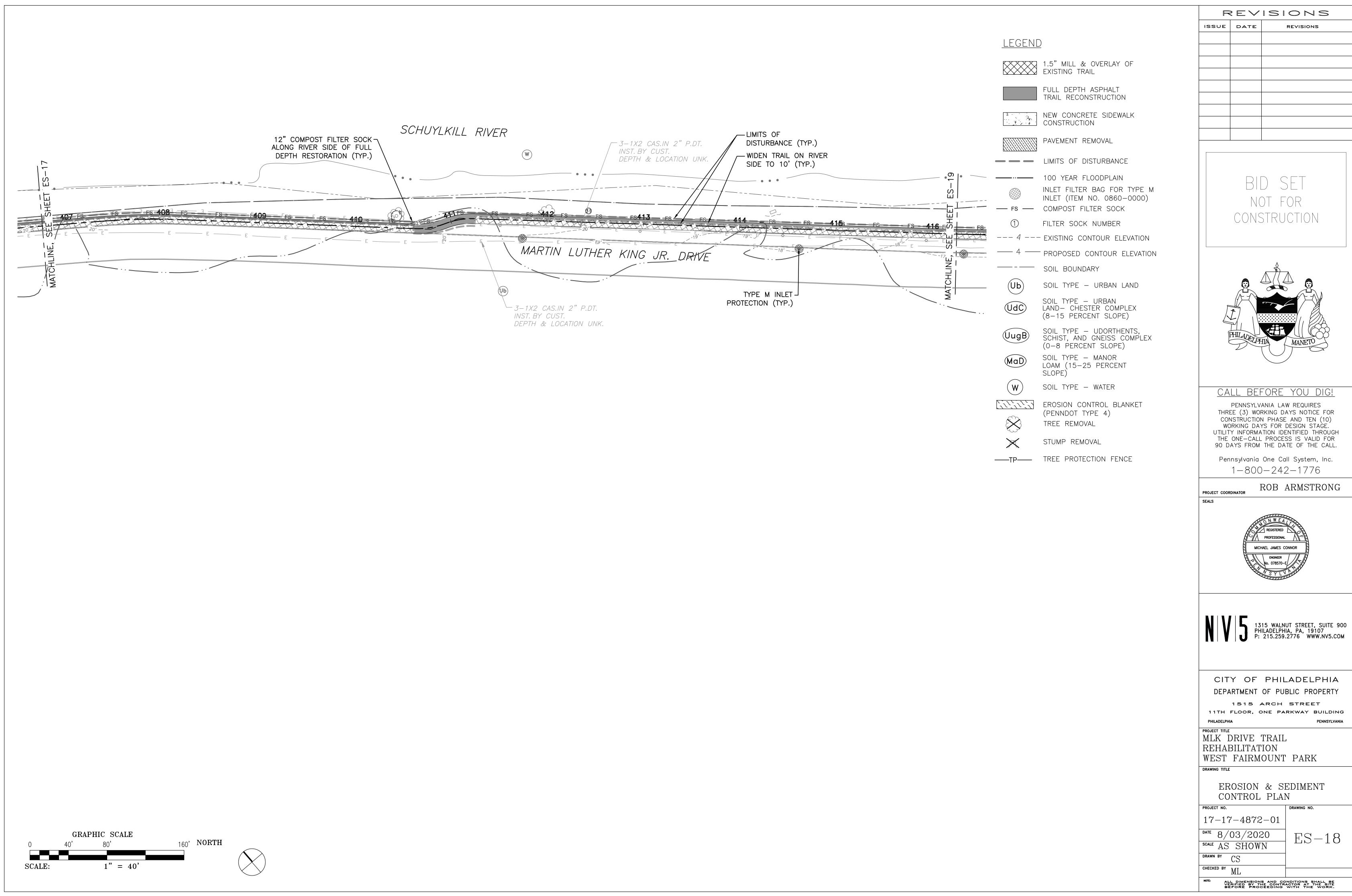
ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

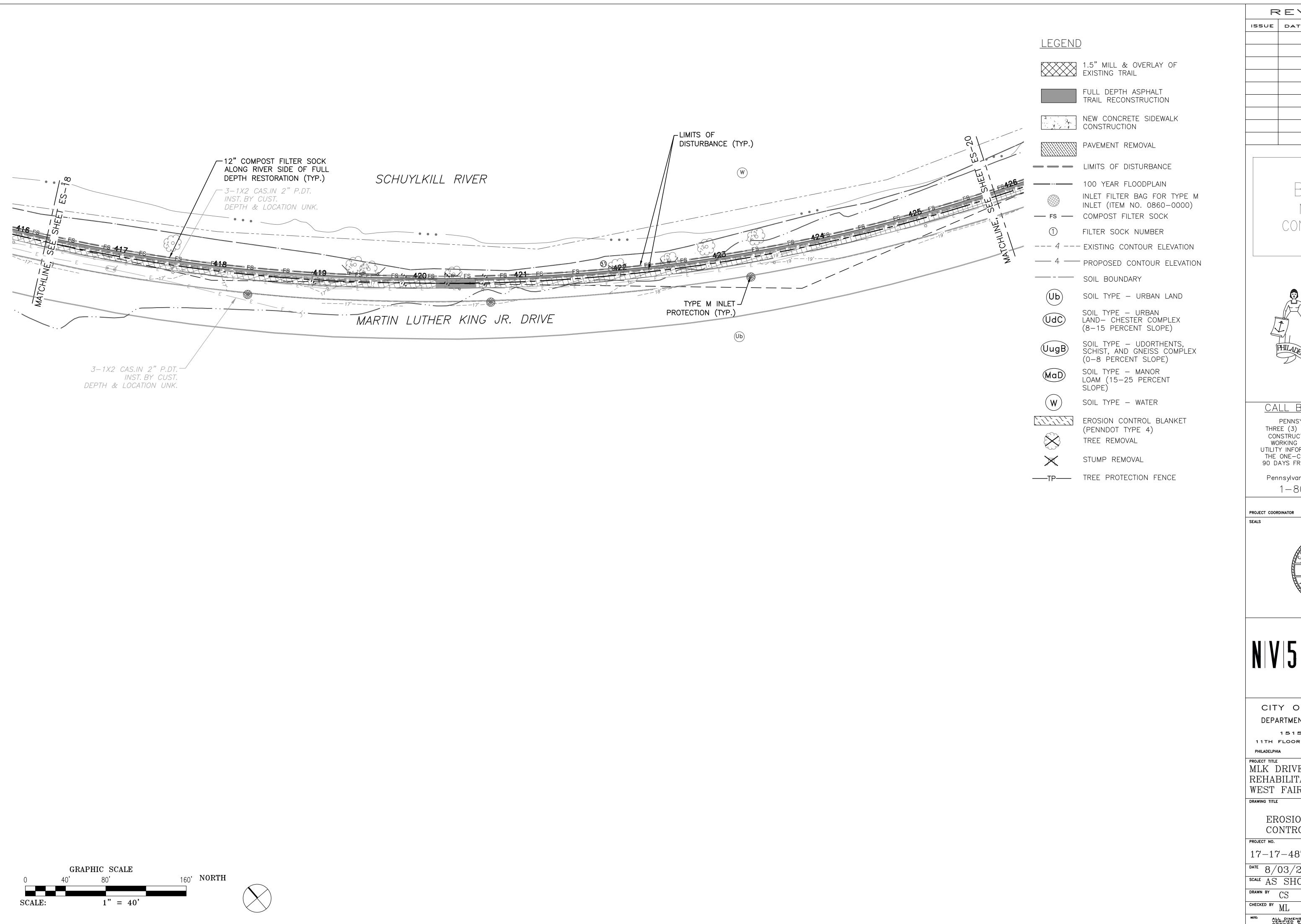
ES-14











REVISIONS ISSUE DATE REVISIONS

> BID SET NOT FOR CONSTRUCTION



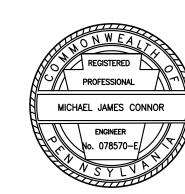
CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND TEN (10) WORKING DAYS FOR DESIGN STAGE.

UTILITY INFORMATION IDENTIFIED THROUGH THE ONE—CALL PROCESS IS VALID FOR 90 DAYS FROM THE DATE OF THE CALL.

Pennsylvania One Call System, Inc. 1-800-242-1776

ROB ARMSTRONG



1315 WALNUT STREET, SUITE 900 PHILADELPHIA, PA, 19107 P: 215.259.2776 WWW.NV5.COM

CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY

1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING

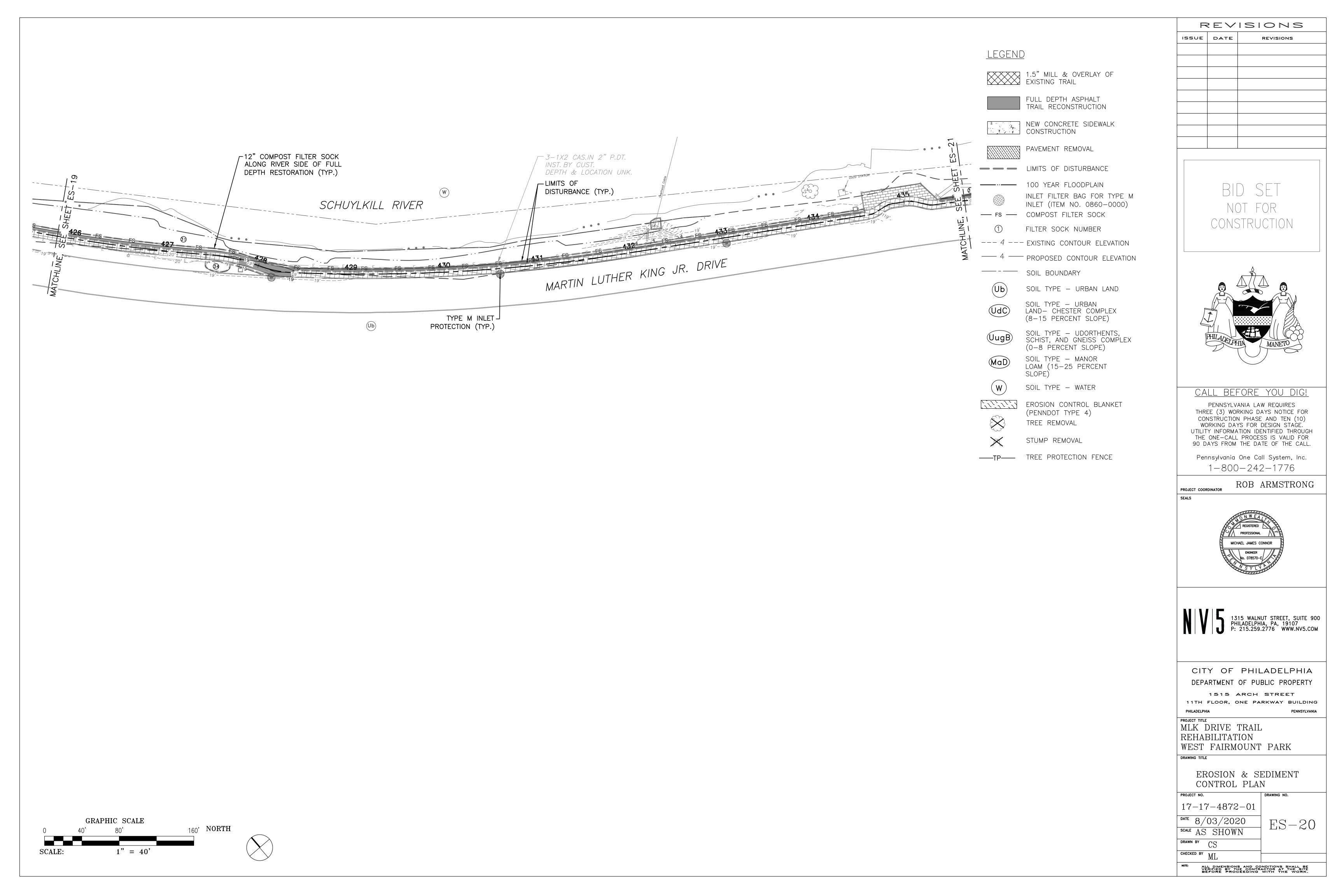
MLK DRIVE TRAIL

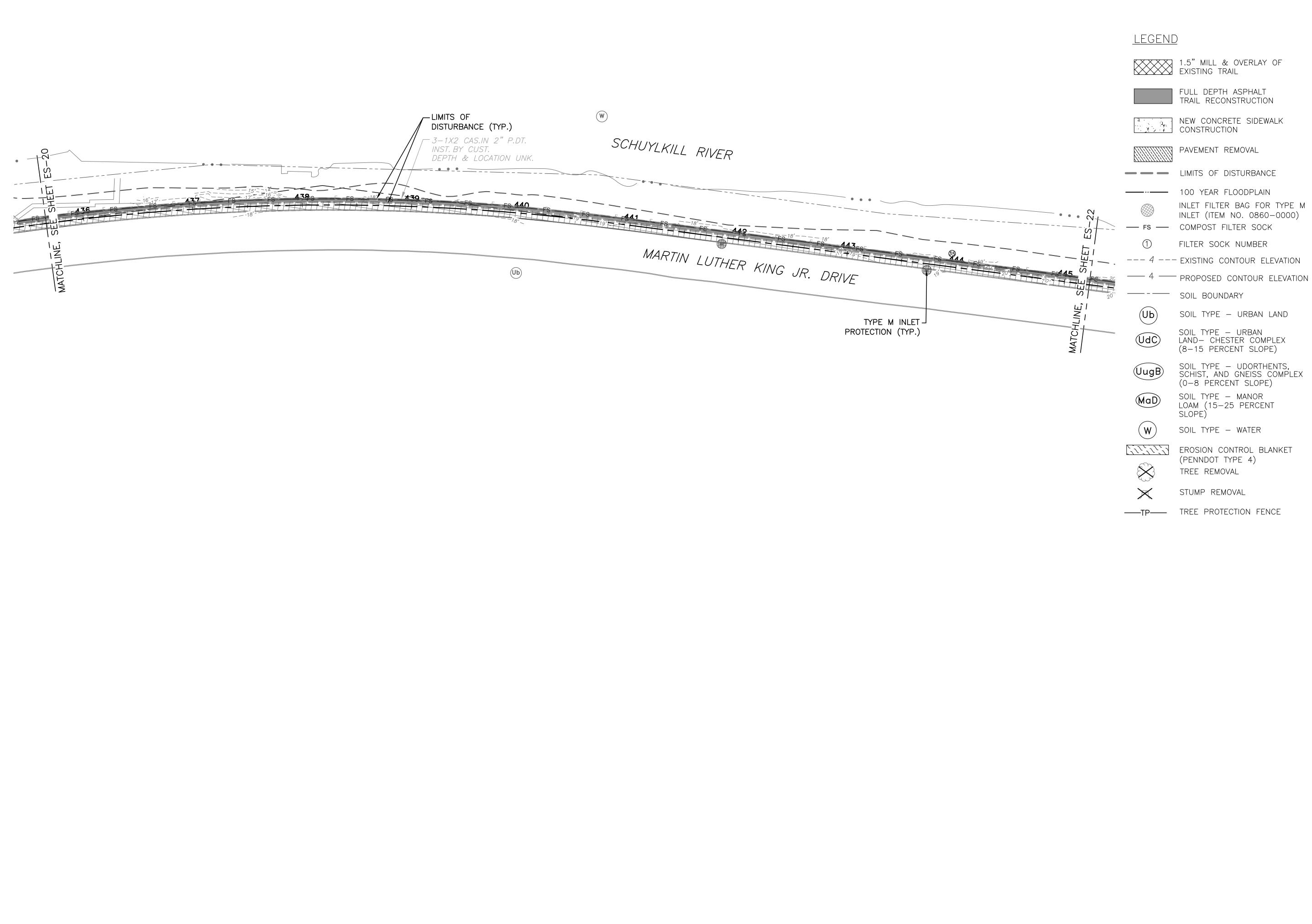
REHABILITATION WEST FAIRMOUNT PARK

EROSION & SEDIMENT CONTROL PLAN

17-17-4872-01 8/03/2020scale AS SHOWN

ES-19





GRAPHIC SCALE

160' NORTH

FULL DEPTH ASPHALT TRAIL RECONSTRUCTION

INLET FILTER BAG FOR TYPE M INLET (ITEM NO. 0860-0000)

--- 4 --- EXISTING CONTOUR ELEVATION

SOIL TYPE - URBAN LAND

SOIL TYPE — UDORTHENTS, SCHIST, AND GNEISS COMPLEX (0-8 PERCENT SLOPE)

LOAM (15-25 PERCENT

REVISIONS ISSUE DATE REVISIONS

> BID SET NOT FOR CONSTRUCTION

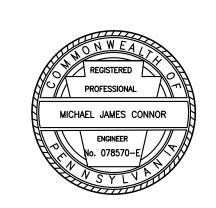


CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND TEN (10) WORKING DAYS FOR DESIGN STAGE. UTILITY INFORMATION IDENTIFIED THROUGH THE ONE-CALL PROCESS IS VALID FOR 90 DAYS FROM THE DATE OF THE CALL.

Pennsylvania One Call System, Inc. 1-800-242-1776

ROB ARMSTRONG



1315 WALNUT STREET, SUITE 900 PHILADELPHIA, PA, 19107 P: 215.259.2776 WWW.NV5.COM

CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY

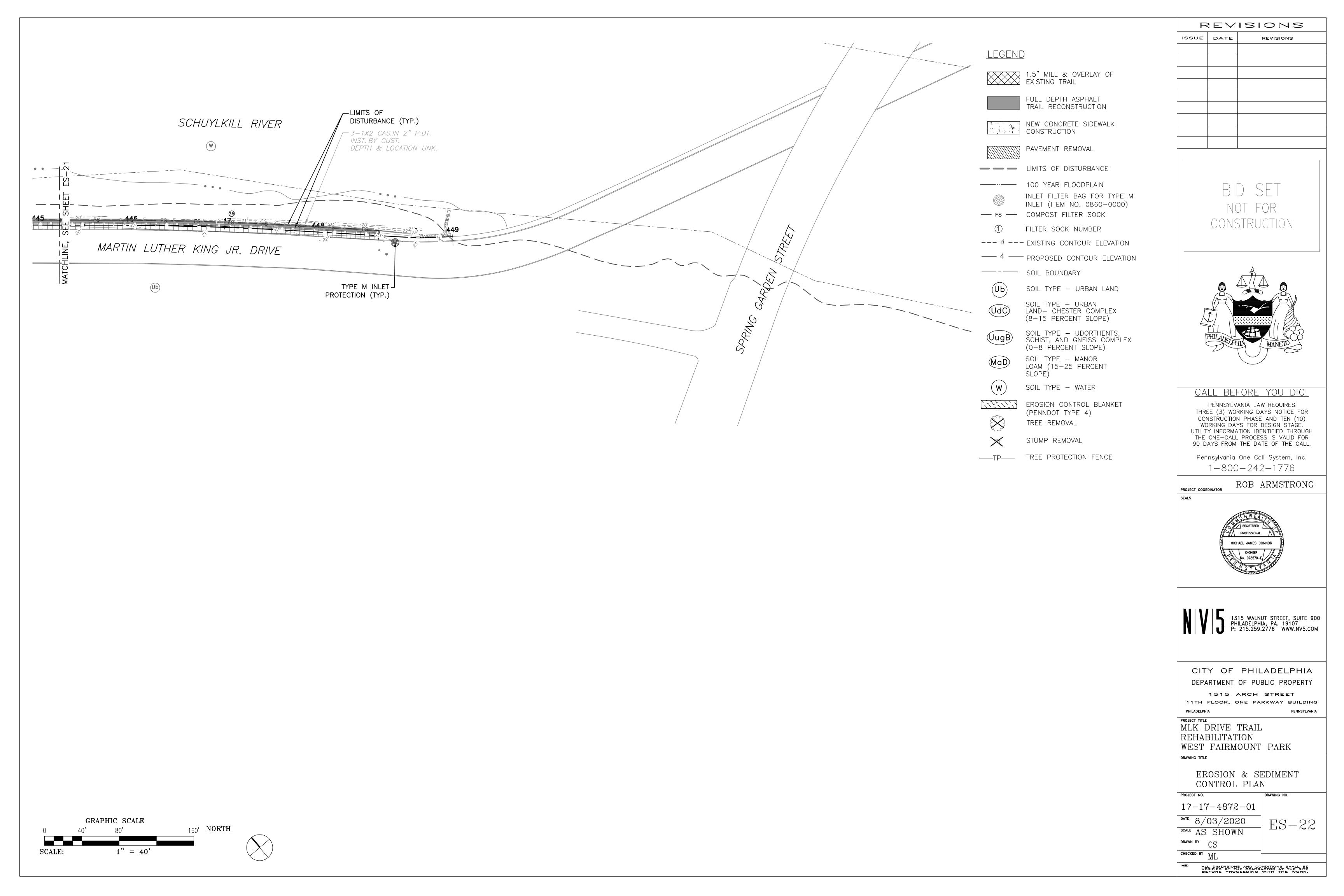
1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING

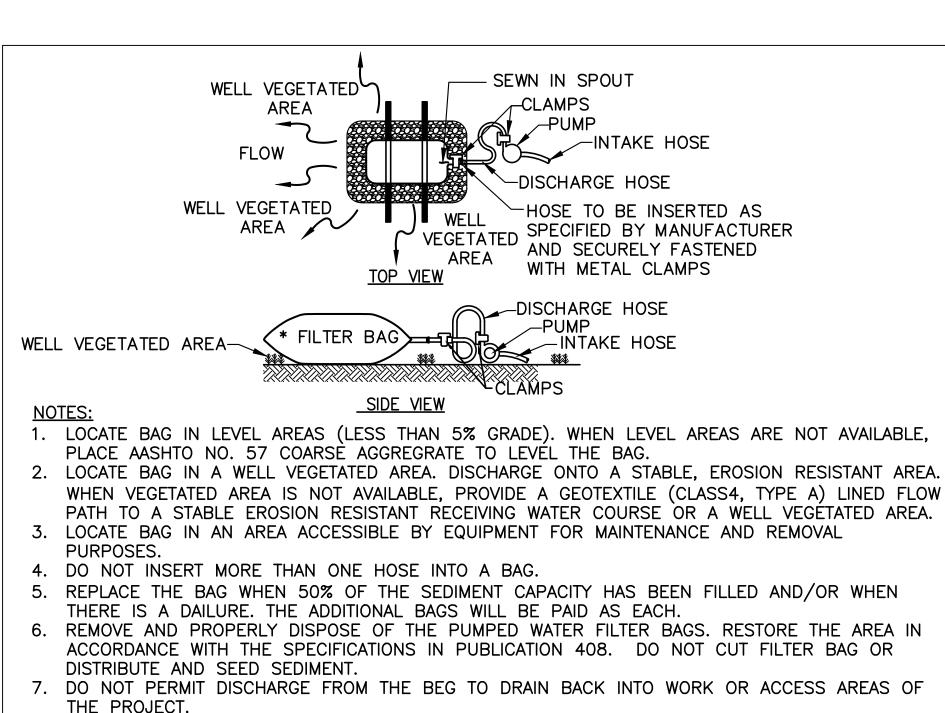
PROJECT TITLE MLK DRIVE TRAIL REHABILITATION

WEST FAIRMOUNT PARK DRAWING TITLE

EROSION & SEDIMENT CONTROL PLAN PROJECT NO.

17-17-4872-01 8/03/2020scale AS SHOWN DRAWN BY CS





PUMPED WATER FILTER BAG

BLOWN/PLACED

FILTER MEDIA

WORK AREA

WATER FLOW

WORK AREA

---10'MIN.---

NOT TO SCALE

50'MIN.

PLAN

PROFILE

50'MIN.

COMPOST FILTER SOCK SHALL BE PLACED AT

EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK

SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE

MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL

AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT.

NOT EXCEED THAT SHOWN ON FIGURE 4.2 OF

IMMEDIATELY DOWNSLOPE OF THE SOCK IF SO

PADEP MANUAL. STAKES MAY BE INSTALLED

2. TRAFFIC SHALL NOT BE PERMITTED TO CROSS

ACCUMULATED SEDIMENT SHALL BE REMOVED

HEIGHT OF THE SOCK AND DISPOSED IN THE

WHEN IT REACHES HALF THE ABOVE GROUND

MANNER DESCRIBED ELSEWHERE IN THE PLAN

4. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER

REPAIRED ACCORDING TO MANUFACTURER'S

5. BIODEGRADABLE FILTER SOCKS SHALL BE

SHALL BE REPLACED ACCORDING TO

MANUFACTURER'S RECOMMENDATIONS.

EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE

SPECIFICATIONS OR REPLACED WITHIN 24 HOURS

REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE

SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS

6. UPON STABILIZATION OF THE AREA TRIBUTARY TO

SOCK MAY BE LEFT IN PLACE AND VEGETATED OR

REMOVED. IN THE LATTER CASE, THE MESH SHALL

THE SOCK, STAKES SHALL BE REMOVED. THE

BE CUT OPEN AND THE MULCH SPREAD AS A

7. INLET PROTECTION SHOULD NOT BE PLACED

DIRECTLY UPSLOPE FROM DRAIN INLETS.

SPECIFIED BY THE MANUFACTURER

FILTER SOCKS.

OF INSPECTION.

SOIL SUPPLEMENT.

\\\/}///

AASHTO NO. 1

CLASS 4 -

GEOTEXTILE

TYPE A

COARSE AGGREGATE

GROUND

EXISTING

GROUND

SHEET LOCATION ABOVE BARRIER SLOPE % NO. | IN. ES-11.5 ES-1 1.0 ES-1 2.0 ES-23.2 24 ES-34.5 ES-35.0 6 | 12 34 ES-43.8 ES-44.7 ES-4 TO ES-6 4.8 43 3.7 ES-514 ES-92.8 ES-7 & ES-8 12 | 12 3.3 ES-8 1.9 ES-8 & ES-9 1.6 66 1.9 ES-94.1 16 | 12 ES-10 & ES-11 55 3.9 ES-11 4.7 18 | 12 ES-11 4.0 0.5 20 | 12 ES-11 3.4 50 ES-11 4.0 50 21 | 12 ES-11 9.7 ES-11 TO ES-13 3.4 23 | 12 93 STAKES PLACED 10' O.C. 24 12 ES-12 4.1 COMPOST FILTER SOCK (8' ES-12 6.5 24 ES-13 26 | 12 1.6 28 AREA TO BE PROTECTED ES-13 27 | 12 2.1 34 FS-13 3.7 ES-14 TO ES-17 29 | 12 | 5.5 ES-15 3.0 31 | 12 | ES-17 TO ES-2 32 | 12 5.0 ES-17 33 | 12 ES-17 1.5 ES-20 3.7 ES-21 & ES-22 11.0 COMPOST FILTER SOCK CHART

NOT TO SCALE

SOCK | DIA.

2" X 2" X 36" WOODEN

TYPICAL)

SECTION NOT TO SCALE

PLACED 10' O.C.

PLAN NOT TO SCALE

EXISTING

PAVEMENT

EXISTING

PAVEMENT/

COMPOST FILTER SOCK

NOT TO SCALE

2" X 2" X 36" WOODEN STAKES

AREA TO BE

COMPOST FILTER SOCK

APPLICATION REQUIREMENTS.

2. COMPOST MATERIAL TO BE

FILTER MEDIA FILL TO MEET

DISPERSED ON SITE, AS DETERMINED

ROCK CONSTRUCTION ENTRANCE NOTES:

ROADWAYS AND RETURN TO THE

2. MAINTAIN THE SPECIFIED ROCK

COARSE AGGREGATE.

ROADWAY WILL NOT BE PERMITTED.

BECOMES CLOGGED WITH SEDIMENT.

3. MAINTAIN STOCKPILE OF AASHTO NO. 1

4. SATISFACTORILY REMOVE MATERIALS AS

ENTRANCE IS NO LONGER NEEDED.

5. PROVIDE GEOTEXTILE MATERIAL MEETING

PER SPECIFICATION IN PUBLICATION 408,

SETION 849 WHEN ROCK CONSTRUCTION

1. INSPECT THE ENTRANCE DAILY. REMOVE

ALL SEDIMENT DEPOSITED ON THE PUBLIC

PLACE ADDITIONAL ROCK WHENEVER ROCK

CONSTRUCTION SITE. WASHING OF THE

CONSTRUCTION ENTRANCE THICKNESS.

(8" TYPICAL)

BY ENGINEER.

PROTECTED

PTH=3' TYP. INSTALLATION DETAIL LENGTH=4' TYP *1/4" NYLON ROPE* -WIDTH=2'TYP. EXPANSION RESTRAINT . 3/4" RUBBER BLOCK (TYP) ISOMETRIC VIEW GRATED INLETS ALONG CURBED ROADWAY _2 MIN:1 <u>FLOW</u> STABILIZED WITH *VĖGETATION* STORM INLET **ELEVATION VIEW** PLAN VIEW

INLET FILTER BAG NOTES:

- MAXIMUM DRAINAGE AREA = 1/2 ACRE INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.
- ROLLED EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR TO REMAIN PERMANENTLY.
- 4. AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS., A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.
- 5. INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES. DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

ISSUE DATE **REVISIONS**

REVISIONS

CONSTRUCTION



CALL BEFORE YOU DIG!

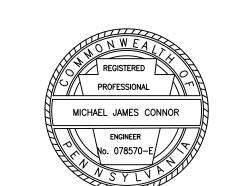
PENNSYLVANIA LAW REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND TEN (10) WORKING DAYS FOR DESIGN STAGE. UTILITY INFORMATION IDENTIFIED THROUGH THE ONE-CALL PROCESS IS VALID FOR 90 DAYS FROM THE DATE OF THE CALL

Pennsylvania One Call System, Inc. 1-800-242-1776

ROB ARMSTRONG

(7.5 CM)

PROJECT COORDINATOR



1315 WALNUT STREET, SUITE 900 PHILADELPHIA, PA, 19107 P: 215.259.2776 WWW.NV5.COM

CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY

1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING

PROJECT TITLE

MLK DRIVE TRAIL REHABILITATION WEST FAIRMOUNT PARK

DRAWING TITLE

EROSION & SEDIMENT POLLUTION CONTROL DETAILS

PROJECT NO. DRAWING NO. 17-17-4872-01 $\frac{\text{DATE}}{8/03}/2020$ ES-23SCALE AS SHOWN DRAWN BY CS

ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

INLET FILTER BAG FOR TYPE M INLET NOT TO SCALE

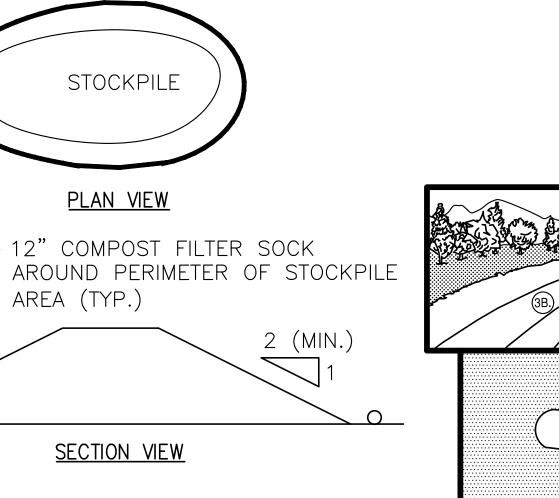
(5CM-12.5CM)

INLET GATE

REBAR FOR

BAG REMOVAL

FROM INLET



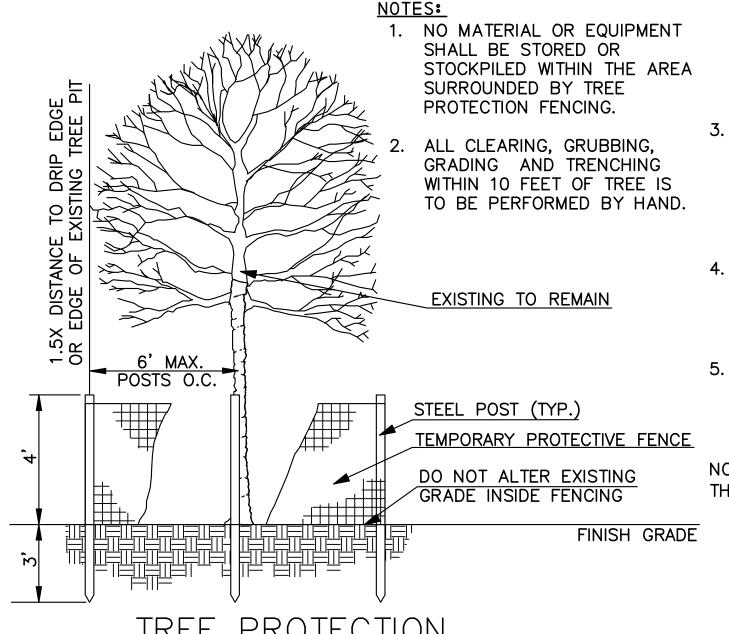
20'

(MAX)

SLOPE LENGTH

- STOCKPILE HEIGHT SHALL NOT EXCEED 20 FEET.
- 2. STOCKPILE SLOPE SHALL NOT BE 2:1 OR FLATTER. STOCKPILE AREA SHALL BE SURROUNDED WITH
- COMPOST FILTER SOCK. 4. SECURE TARP ON GROUND PRIOR TO BUILDING UP STOCKPILE.

SOIL STOCKPILE AREA NOT TO SCALE



THE REQUIREMENTS OF PUBLICATION 408 SECTION 735. FURNISH AND INSTALL IN ACCORDANCE WITH PUBLICATION 408, SECTION 212. PROVIDE GEOTEXTILE ALONG ALL INTERFACE AREAS WITH GROUND CONTACT.

ROCK CONSTRUCTION ENTRANCE/EXIT

MOUNTABLE BERM

(OPTIONAL)

TREE PROTECTION NOT TO SCALE

DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN. 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15CM)

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY

DEEP X 6" (15CM) WIDE TRENCH WITH APPROXIMATELY 12" (30CM) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30CM) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30CM) APART ACROSS THE WIDTH OF THE BLANKET.

APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED

3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE

APPROPRIATE STAPLE PATTERN. 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5CM-12.5CM) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.

5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30CM) APART ACROSS ENTIRE BLANKET WIDTH.

NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15CM) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

> EROSION CONTROL BLANKET INSTALLATION DETAIL (SLOPE)

> > NOT TO SCALE

GENERAL NOTES:

- 1. AN INDUSTRIAL WASTE PERMIT WILL BE REQUIRED SHOULD PUMPING TO CITY-OWNED INFRASTRUCTURE BECOME NECESSARY DURING CONSTRUCTION.
- 2. INLET PROTECTION SHOULD BE PROVIDED FOR ALL INLETS OWNED BY PWD THAT ARE
- 3. PWD IS NOT RESPONSIBLE FOR ANY CLEANING OR REPAIRS NEEDED ON CITY-OWNED INFRASTRUCTURE DUE TO FAILURE OF ANY EROSION AND SEDIMENT CONTROL PRACTICES THE OWNER'S PROJECT CONTRACTOR SHALL BE RESPONSIBLE.
- 4. INSPECTION AND MAINTENANCE OF ALL EROSION AND SEDIMENT BEST MANAGEMENT PRACTICES SHALL OCCUR ON A WEEKLY BASIS, BEFORE ANY ANTICIPATED PRECIPITATION EVENTS, AND AFTER ALL PRECIPITATION EVENTS.
- THE MAXIMUM HEIGHT FOR STOCKPILES AREAS SHALL BE 20 FEET.

LOCATED WITHIN ONE BLOCK OF THE PROJECT SITE.

- 6. THE MAXIMUM SIDE SLOPE FOR STOCKPILE AREAS SHALL NOT EXCEED 2:1.
- THE ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED ON SITE. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.
- 8. COMPOST FILTER SOCKS SHOULD BE INSTALLED AT LEVEL GRADE. BOTH ENDS OF EACH SOCK SECTION SHOULD BE EXTENDED AT LEAST 8 FEET UPSLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. SUPPORT STAKES SHALL BE SPACED AT A MAXIMUM OF 8 FEET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE SOCK.
- ANY SOCK SECTION WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY BE CLEARED OF SEDIMENT. IF FILTER SOCK IS DEEMED CLOGGED BY OWNER, ENGINEER, PWD, OR PA DEP INSPECTOR. THE SECTION OF FILTER SOCK SHALL BE REPLACED IN KIND.
- 10. SPRAY WATER TO MOISTEN SOIL IN AREAS OF EARTHMOVING PRIOR TO BEGINNING DAILY EARTHMOVING ACTIVITY. SPRAYING SHALL OCCUR AS MANY TIMES AS NEEDED TO ENSURE WIND BLOWN DUST DOES NOT LEAVE THE PROJECT AREA.

CONSTRUCTION SEQUENCE:

THE PURPOSE OF THIS PLAN IS TO DOCUMENT THE E&S MEASURES NECESSARY TO CONTROL THE EARTH DISTURBANCE ACTIVITIES ASSOCIATED WITH THE CONSTRUCTION OF THE PROPOSED MLK DRIVE TRAIL REHABILITATION (PWD TRACKING #FY19-MLKD-5808-01).

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED.

AT LEAST SEVEN (7) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OPERATOR SHALL INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES INCLUDING BUT NOT LIMITED TO THE LAND OWNER AND ALL APPROPRIATE CITY OFFICIALS TO A SITE MEETING.

PRIOR TO ANY EARTHWORK, THE PWD INSPECTIONS COORDINATOR (OFFICE 215-685-6387) MUST BE CALLED TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH PWD'S EROSION AND SEDIMENT CONTROL INSPECTION GROUP.

THE FOLLOWING STEPS SHALL BE IMPLEMENTED DURING CONSTRUCTION:

- 1. INSTALL INLET PROTECTION ON ALL EXISTING INLETS, AS SHOWN ON THE PLANS.
- 2. INSTALL THE ROCK CONSTRUCTION ENTRANCES, AS SHOWN ON THE PLANS.
- 3. INSTALL PERIMETER CONTROLS (COMPOST FILTER SOCKS) AROUND THE LIMITS OF WORK. INSTALL TREE PROTECTION, AS SHOWN ON PLANS.
- ENSURE THAT ADEQUATE SEDIMENT CONTROL MEASURES (PARTICULARLY ADEQUATELY SIZED AND PROPERLY FUNCTIONING PERIMETER COMPOST FILTER SOCKS) ARE PROVIDED DOWN-SLOPE OF ANY AND ALL EARTH DISTURBANCE ACTIVITIES UNTIL CONTRIBUTORY DRAINAGE AREA IS ADEQUATELY STABILIZED.
- 5. BEGIN DEMOLITION AND REMOVAL OF ALL EXISTING SURFACE FEATURES WITHIN THE LIMITS OF DISTURBANCE WHICH ARE MARKED TO BE REMOVED ON THE "CONSTRUCTION PLANS." WASTE MATERIALS, SCRAP OR EXCESS CONSTRUCTION MATERIALS SHALL BE COLLECTED. STORED, AND DISPOSED OF IN ACCORDANCE WITH THE SOLID WASTE MANAGEMENT ACT (35 P.S.§§ 6018.101-6018.1003), THE MUNICIPAL WASTE PLANNING, RECYCLING AND WASTE REDUCTION ACT (53 P.S.§§ 4000.101-4000.1904), THE CLEAN STREAMS LAW (35 P.S.§§ 691.1-691.1001) AND RELATED RULES AND REGULATIONS. (TITLE 25, CHAPTER 105, SECTION 46a). WHERE ONLY PORTIONS OF PAVEMENT REMOVAL ARE OCCURRING, PAVEMENT REMOVAL SHALL BE DONE BY SAWCUTTING A CLEAN LINE AT THE LIMITS OF DISTURBANCE.
- PROTECT UTILITY STRUCTURES FROM DAMAGE DURING CONSTRUCTION.
- 7. MILL SECTIONS OF EXISTING PAVED TRAIL WHERE INDICATED IN THE PLANS. SAWCUT EXISTING TRAIL AT FULL DEPTH LIMITS. REMOVE EXISTING ASPHALT TRAIL PAVEMENT WHERE FULL DEPTH PAVING WILL BE PERFORMED.
- 8. BEGIN TRAIL EXCAVATION. CLEAN FILL EXCAVATED FOR CONSTRUCTION OF PROPOSED TRAIL SHALL BE TAKEN OFFSITE. ANY SOIL REMOVED FROM THE SITE MAY ONLY BE TAKEN TO A SITE WITH AN APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN.
- 9. ROUGH GRADE SITE TO SUBGRADE ELEVATIONS. (REFER TO TRAIL SECTION DETAILS FOR NOTES ON EXCAVATION AND SUBGRADE COMPACTION). RUNOFF FROM THIS PROJECT AREA WILL DISCHARGE TO THE SCHUYLKILL RIVER. WHICH IS CLASSIFIED AS A WARM WATER FISHERY PER PADEP CHAPTER 93 REGULATIONS ALONG THE AREA OF WORK.
- 10. BEGIN CONSTRUCTION OF PROPOSED TRAIL.
- 11. FINAL GRADE THE TRAIL AND INSTALL THE STONE BASE, BINDER COURSE AND WEARING COURSE.
- 12. WHEN ALL BACKFILL AND ALL EARTHWORK CONSTRUCTION IS COMPLETE, STABILIZE ANY DISTURBED AREAS WITH SEED AND MULCH. THE MAXIMUM HEIGHT FOR STOCKPILES SHALL BE 35 FEET.
- 13. INSTALL PROPOSED SIGNAGE AND OTHER SITE FEATURES.
- 14. WHEN ALL AREAS TRIBUTARY TO THE EXISTING AND PROPOSED INLETS AND OVERLAND FLOW HAVE BEEN STABILIZED. THE INLET PROTECTION AND OTHER E&S CONTROLS SHALL BE REMOVED.

STANDARD E&S NOTES

- 1. AN INDUSTRIAL WASTE PERMIT WILL BE REQUIRED SHOULD PUMPING TO CITY-OWNED INFRASTRUCTURE BECOME NECESSARY DURING CONSTRUCTION. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
- 2. INLET PROTECTION SHOULD BE PROVIDED FOR ALL INLETS OWNED BY PWD THAT ARE LOCATED WITHIN ONE BLOCK OF THE PROJECT SITE.
- 3. PWD IS NOT RESPONSIBLE FOR ANY CLEANING OR REPAIRS NEEDED ON CITY-OWNED INFRASTRUCTURE DUE TO FAILURE OF ANY EROSION AND SEDIMENT CONTROL PRACTICES. THE AWARDED CONTRACTOR WORKING ON BEHALF OF THE CITY OF PHILADELPHIA DEPARTMENT OF PARKS AND RECREATION SHALL BE RESPONSIBLE FOR ANY REQUIRED CLEANING OR REPAIRS AS STATED ABOVE.
- 4. INSPECTION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL OCCUR ON A WEEKLY BASIS, BEFORE ANY ANTICIPATED PRECIPITATION EVENTS, AND AFTER ALL PRECIPITATION EVENTS.
- 5. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 20 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR
- 6. THE ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED ON-SITE. A STOCKPILE SHALL BE MAINTAINED ON-SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS AND SIDEWALKS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEPT INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- 7. FILTER FABRIC FENCE SHOULD BE INSTALLED AT LEVEL GRADE. BOTH ENDS OF EACH FENCE SECTION SHOULD BE EXTENDED AT LEAST 8 FEET UPSLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. SUPPORT STAKES SHALL BE SPACED AT A MAXIMUM OF 8 FEET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FILTER FENCE.
- 8. ANY FENCE SECTION WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.
- 9. EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.
- 10. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY PWD AND PA DEP.
- 11. UNTIL THE SITE IS STABILIZED, ALL E&S BMPS SHALL BE MAINTAINED PROPERLY MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL E&S BMPS PRIOR TO ANY ANTICIPATED STORM EVENT, AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RENETTING, MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED, WILL BE REQUIRED.
- 12. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING, AS WELL AS CUTS AND FILLS, SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY). A COPY OF THE APPROVED DRAWINGS MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. PWD SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. PWD MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- 13. AT LEAST THREE (3) DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED. THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- 14. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. EACH STAGE SHALL BE COMPLETED AND IMMEDIATELY STABILIZED BEFORE ANY FOLLOWING STAGE IS INITIATED. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING BY PWD AND THE PA DEP PRIOR TO IMPLEMENTATION.
- 15. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL.
- 16. CLEARING. GRUBBING. AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING. GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- 17. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
- 18. A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO PWD AT THE TIME OF INSPECTION.

STANDARD E&S NOTES (CONTINUED):

- 19. ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN THE FOLLOWING MANNER: (APPLICANT TO DESCRIBE DISPOSAL METHOD)
- 20. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF THREE TO FIVE INCHES -- SIX TO 12 INCHES ON COMPACTED SOILS -- PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM FOUR INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF TWO INCHES OF TOPSOIL.
- 21. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE, OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES, AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
- 22. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED NINE INCHES IN THICKNESS.
- 23. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- 24. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- 25. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- 26. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- 27. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS. SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- 28. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT. THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN ONE YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN ONE YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- 29. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- 30. E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY PWD AND PA DEP.
- 31. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY E&S BMPS MUST BE REMOVED OR CONVERTED TO PERMANENT POST—CONSTRUCTION STORMWATER MANAGEMENT PRACTICES. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE E&S BMPS SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
- 32. SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN/TRAP OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS. (WHEN APPLICABLE)
- 33. DURING CONSTRUCTION. THE SELECTED CONTRACTOR IS EXPECTED TO FOLLOW THE PCSMP APPROVED BY PWD. NO CHANGE OR DEVIATION FROM THE APPROVED PCSMP IS PERMITTED WITHOUT PRIOR APPROVAL FROM PWD.
- 34. ALL WORK ASSOCIATED WITH PWD WATER CONVEYANCE AND SEWER INFRASTRUCTURE SHALL BE DONE IN ACCORDANCE WITH THE CITY OF PHILADELPHIA WATER DEPARTMENT WATER MAIN STANDARD DETAILS AND CORROSION CONTROL SPECIFICATIONS" 1985 EDITION. AND STANDARD DETAILS AND STANDARD SPECIFICATIONS FOR SEWERS 1985 EDITION.

TOPSOIL SPECIFICATIONS:

CUBIC YARDS OF TOPSOIL REQUIRED FOR APPLICATION TO VARIOUS DEPTHS

DEPTH (IN.)	PER 1,000 SQUARE FEET	PER ACRE
1	3.1	134
2	6.2	268
3	9.3	403
4	12.4	537
5	15.5	672
6	18.6	806
7	21.7	940
8	24.8	1,074

1. GRADED AREAS SHOULD BE SCARIFIED OR OTHERWISE LOOSENED TO A DEPTH OF 3 TO 5 INCHES TO PERMIT BONDING OF THE TOPSOIL TO THE SURFACE AREAS AND TO PROVIDE A ROUGHENED SURFACE TO PREVENT TOPSOIL FROM SLIDING DOWN SLOPE.

2. TOPSOIL SHOULD BE UNIFORMLY DISTRIBUTED ACROSS THE DISTURBED AREA TO A DEPTH OF 4 TO 8 INCHES MINIMUM -- 2 INCHES ON FILL OUTSLOPES. SPREADING SHOULD BE DONE IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL PREPARATION OR TILLAGE. IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOIL PLACEMENT SHOULD BE CORRECTED IN ORDER TO PREVENT FORMATION OF DEPRESSIONS UNLESS SUCH DEPRESSIONS ARE PART OF THE PCSM PLAN.

3. TOPSOIL SHOULD NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION. COMPACTED SOILS SHOULD BE SCARIFIED 6 TO 12 INCHES ALONG CONTOUR WHEREVER POSSIBLE PRIOR TO SEEDING.

	REVISIONS		
	ISSUE DATE		REVISIONS
-			
-			
-			
-			
-			
-			
=			
-			

CONSTRUCTION

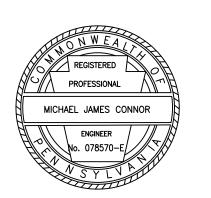


CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND TEN (10) WORKING DAYS FOR DESIGN STAGE. UTILITY INFORMATION IDENTIFIED THROUGH THE ONE-CALL PROCESS IS VALID FOR 90 DAYS FROM THE DATE OF THE CALL

Pennsylvania One Call System, Inc. 1-800-242-1776

ROB ARMSTRONG



1315 WALNUT STREET, SUITE 900 PHILADELPHIA, PA, 19107 P: 215.259.2776 WWW.NV5.COM

CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY

1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING

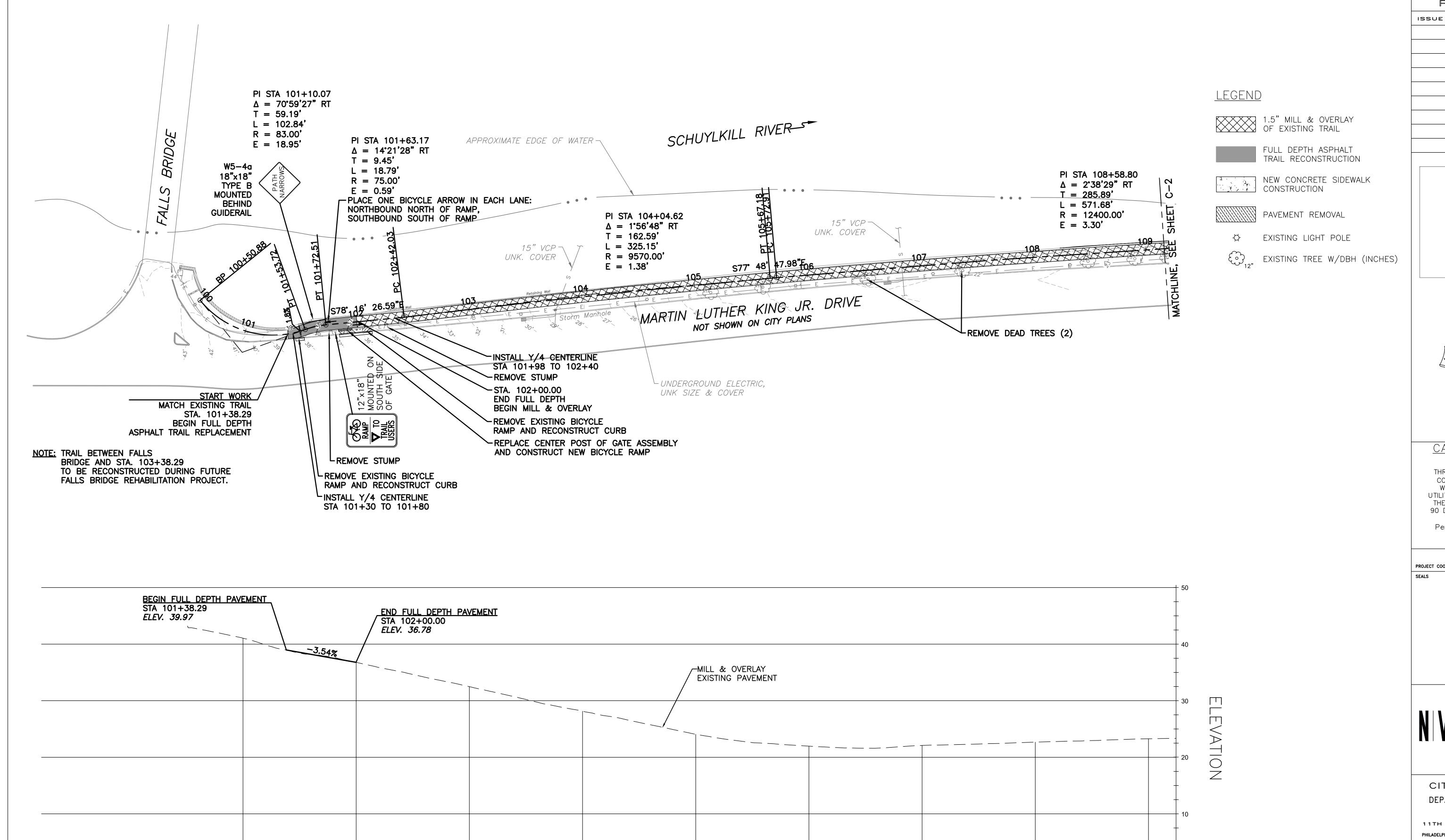
PROJECT TITLE MLK DRIVE TRAIL REHABILITATION

WEST FAIRMOUNT PARK DRAWING TITLE **EROSION & SEDIMENT**

POLLUTION CONTROL NOTES PROJECT NO.

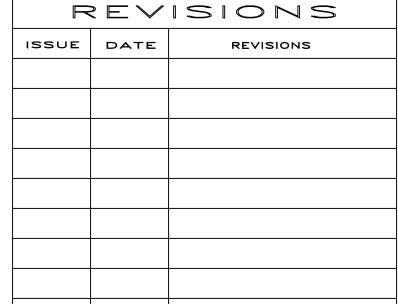
DRAWING NO.

17-17-4872-01 $\frac{\text{DATE}}{8} / 03 / 2020$ ES-24SCALE AS SHOWN DRAWN BY CS



107¹+00

108+00



BID SET NOT FOR CONSTRUCTION

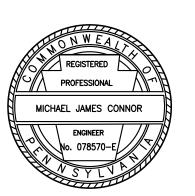


<u>CALL BEFORE</u> YOU DIG!

PENNSYLVANIA LAW REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND TEN (10)
WORKING DAYS FOR DESIGN STAGE.
UTILITY INFORMATION IDENTIFIED THROUGH THE ONE-CALL PROCESS IS VALID FOR 90 DAYS FROM THE DATE OF THE CALL.

Pennsylvania One Call System, Inc. 1-800-242-1776

ROB ARMSTRONG



1315 WALNUT STREET, SUITE 900 PHILADELPHIA, PA, 19107 P: 215.259.2776 WWW.NV5.COM

CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY

1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING

PROJECT TITLE MLK DRIVE TRAIL REHABILITATION WEST FAIRMOUNT PARK

DRAWING TITLE

DATUM: 0

109+00

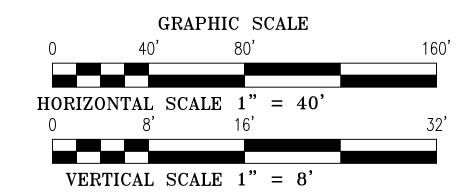
TRAIL PLAN & PROFILE

PROJECT NO. 17-17-4872-01 SCALE AS SHOWN

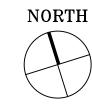
C-1

DRAWN BY CS

ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



100+00



102+00

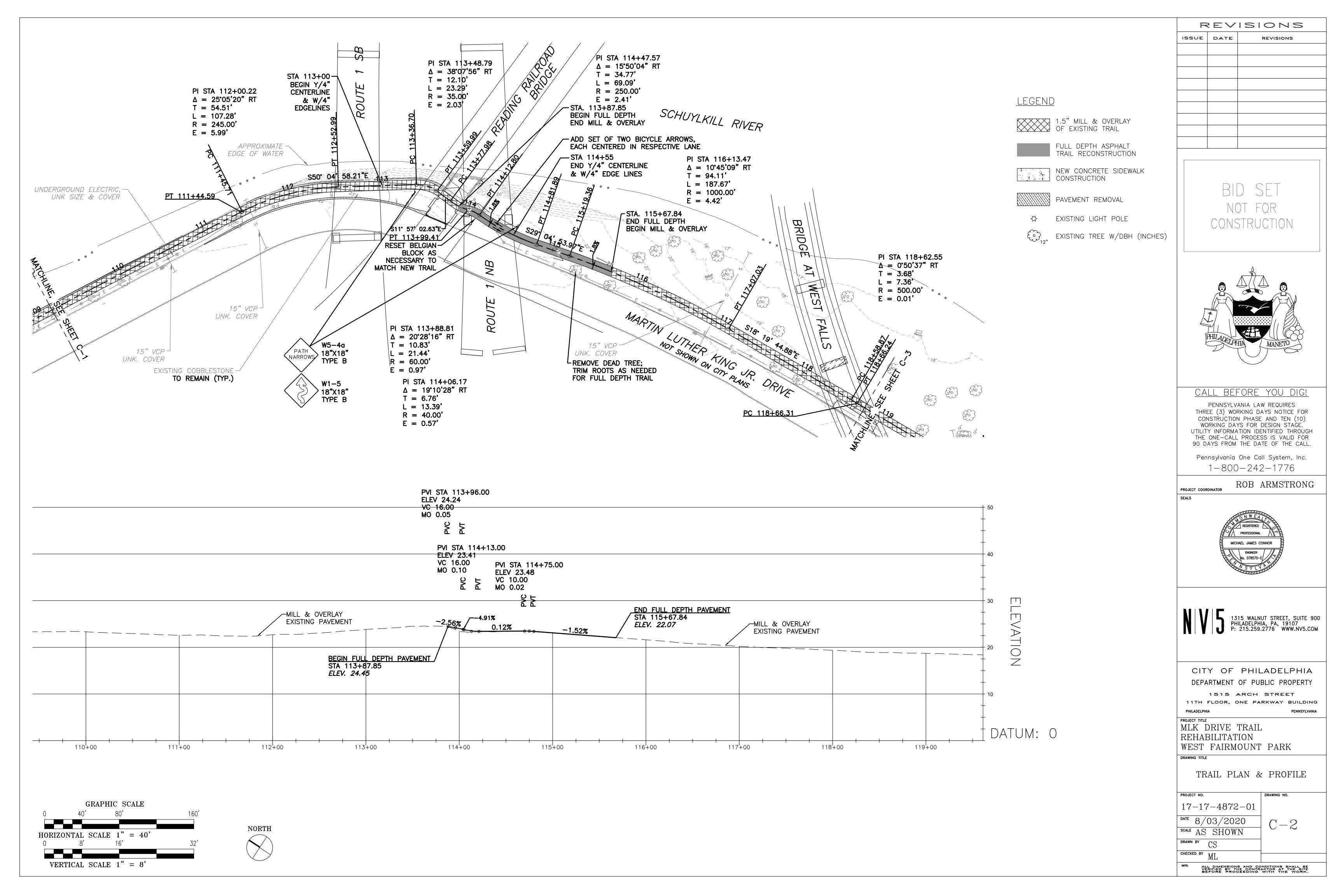
103¹+00

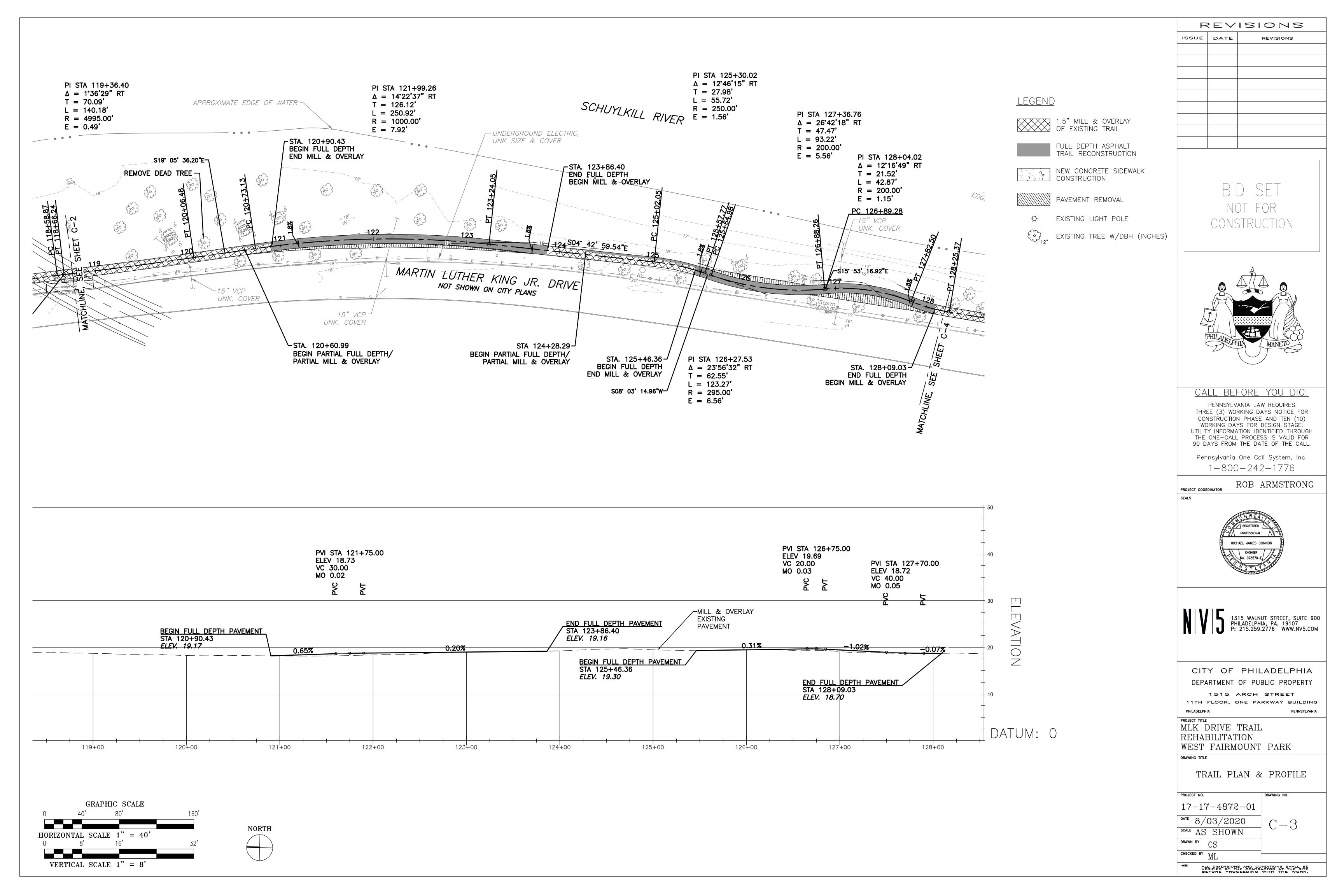
104+00

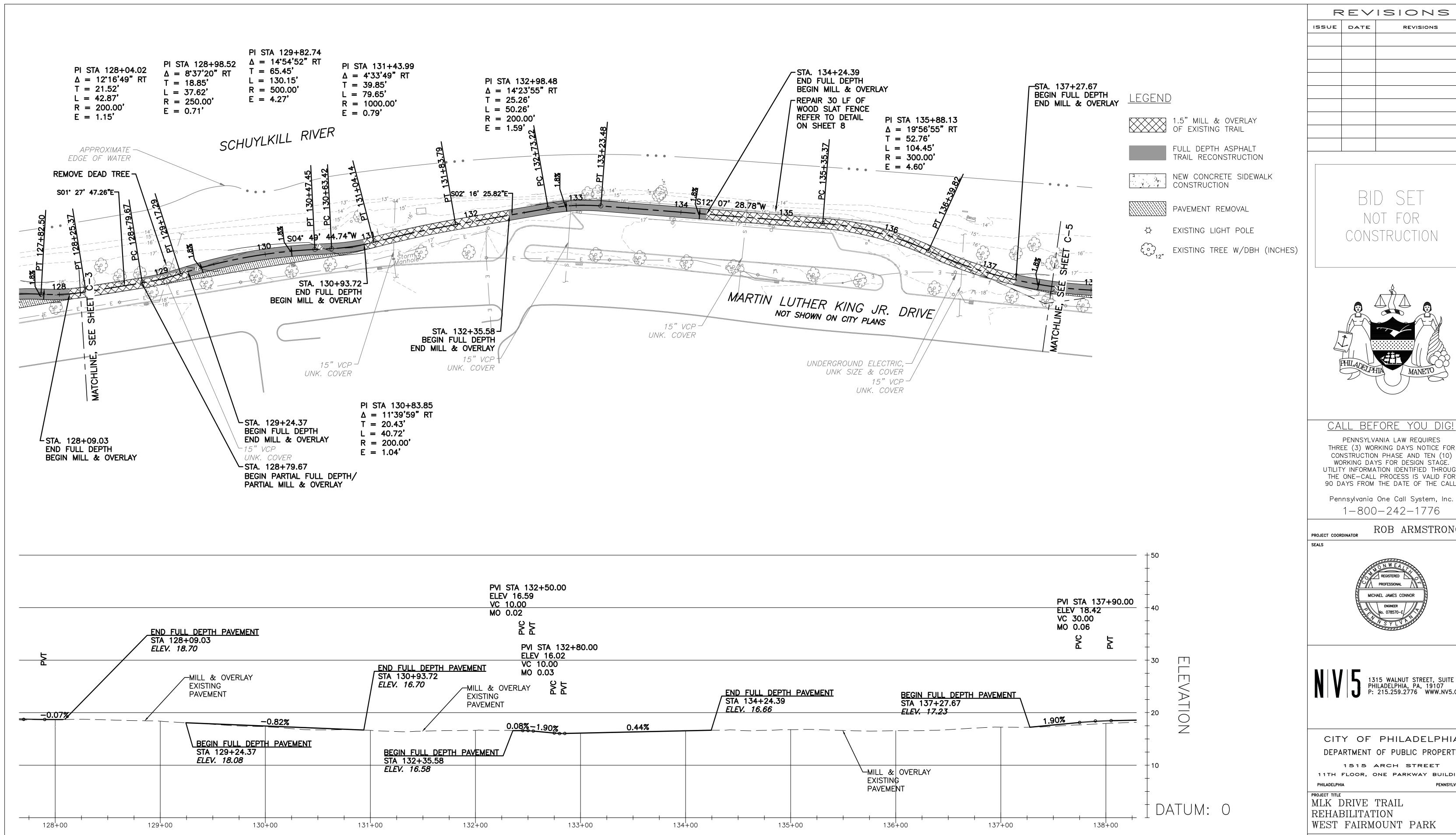
105+00

106+00

101+00







GRAPHIC SCALE

HORIZONTAL SCALE 1" = 40'

VERTICAL SCALE 1" = 8'

NORTH

REVISIONS REVISIONS

CONSTRUCTION

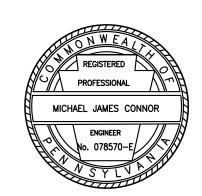


CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND TEN (10)
WORKING DAYS FOR DESIGN STAGE.
UTILITY INFORMATION IDENTIFIED THROUGH THE ONE-CALL PROCESS IS VALID FOR 90 DAYS FROM THE DATE OF THE CALL.

1-800-242-1776

ROB ARMSTRONG



1315 WALNUT STREET, SUITE 900 PHILADELPHIA, PA, 19107 P: 215.259.2776 WWW.NV5.COM

CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY

1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING

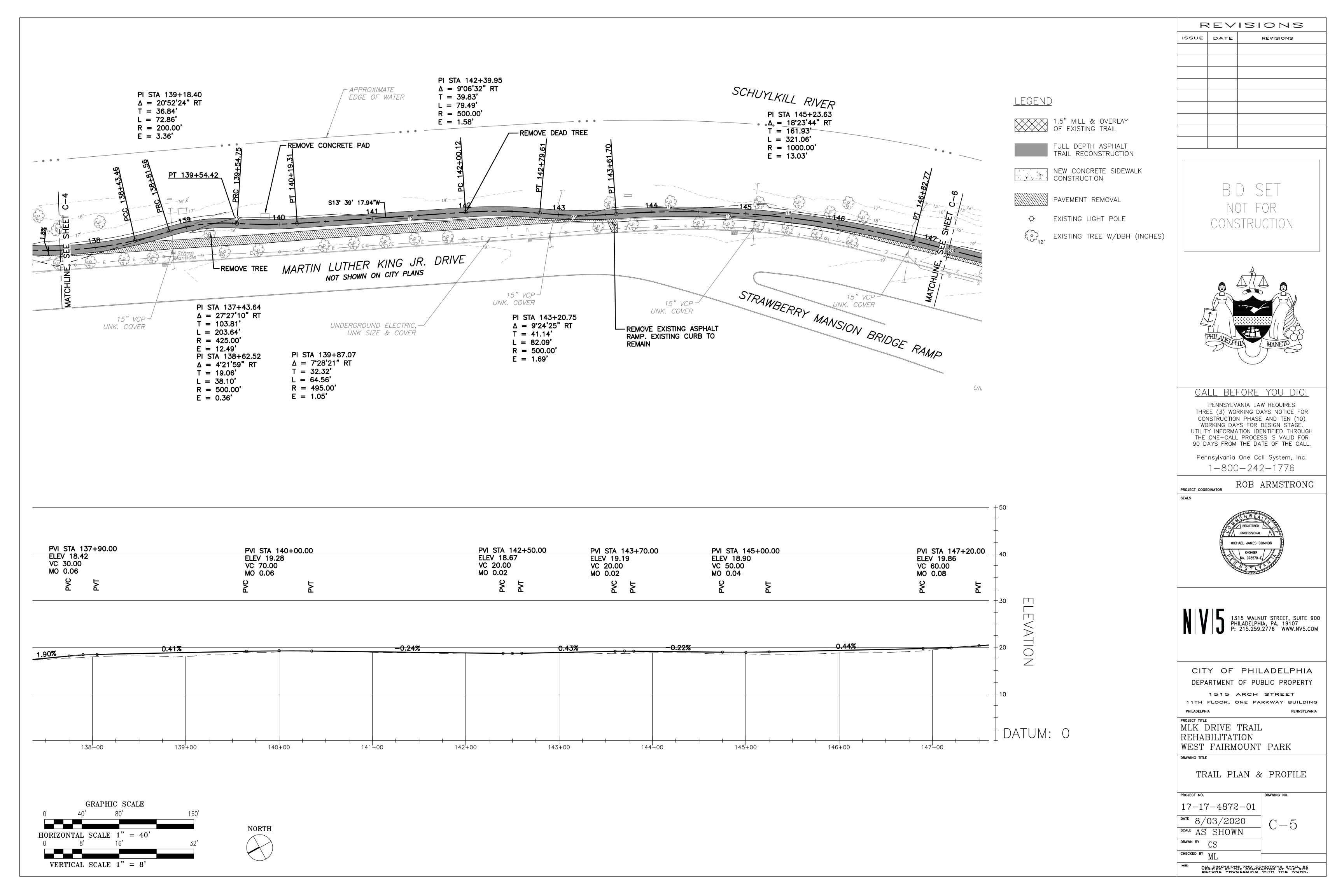
WEST FAIRMOUNT PARK

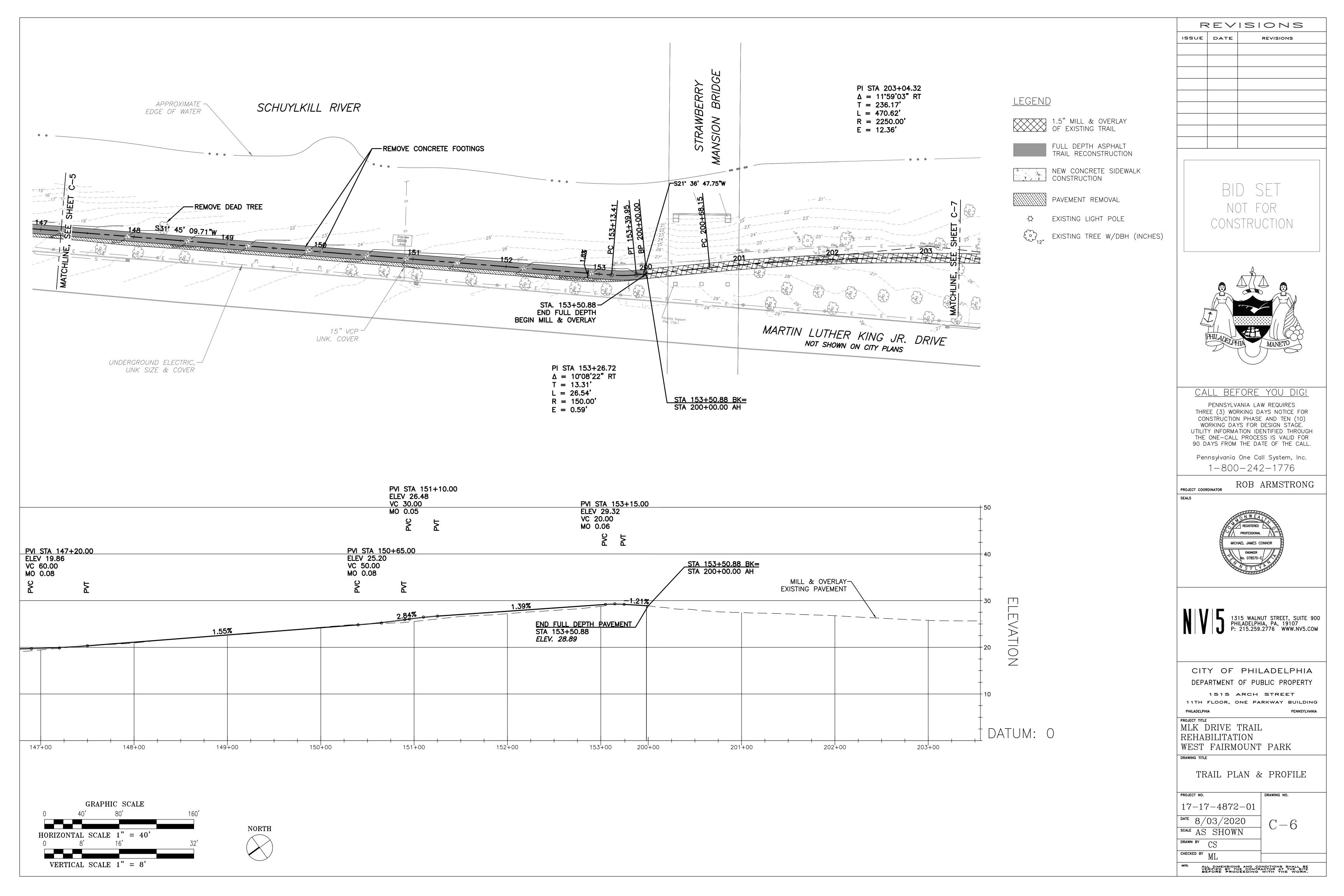
DRAWING TITLE

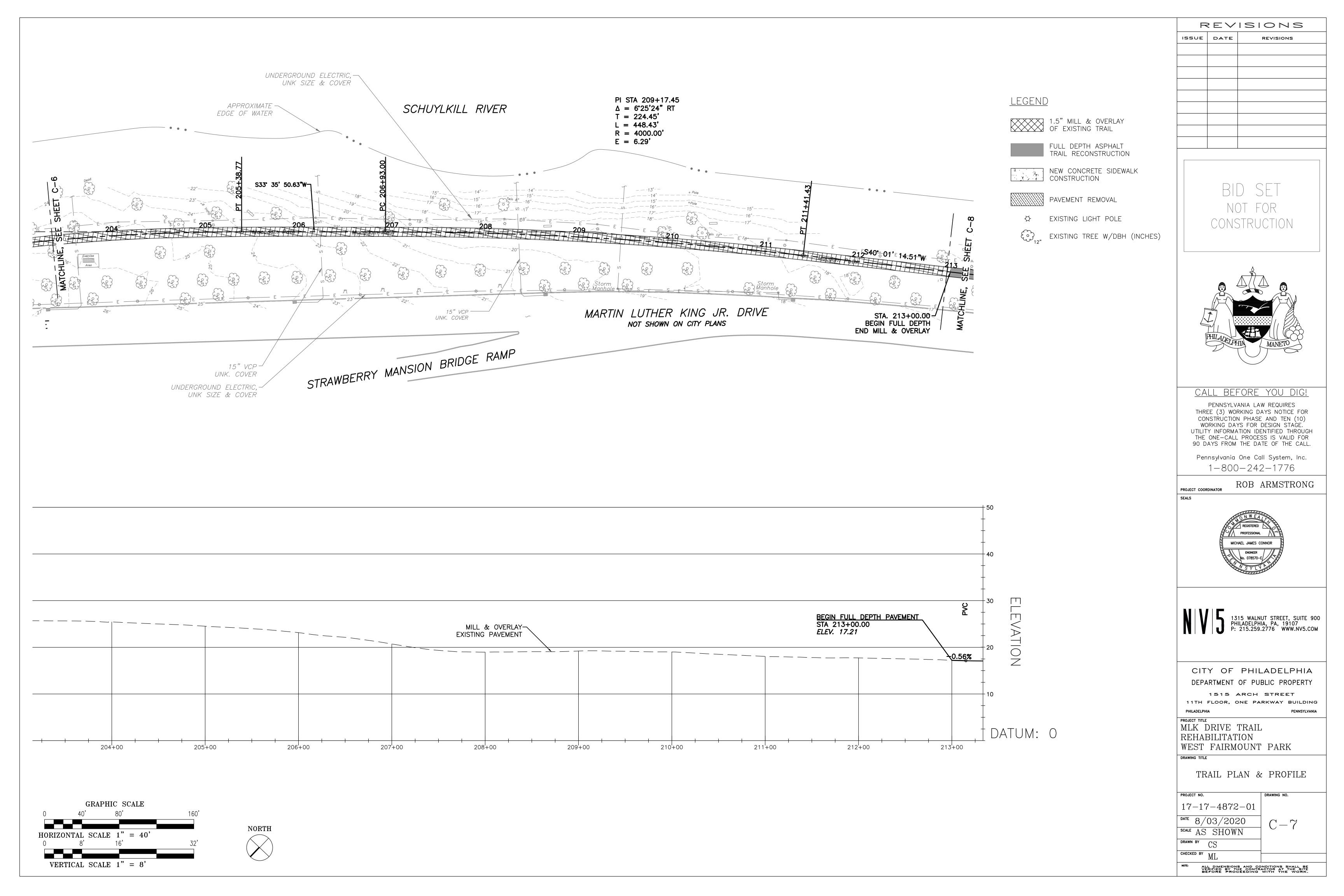
TRAIL PLAN & PROFILE

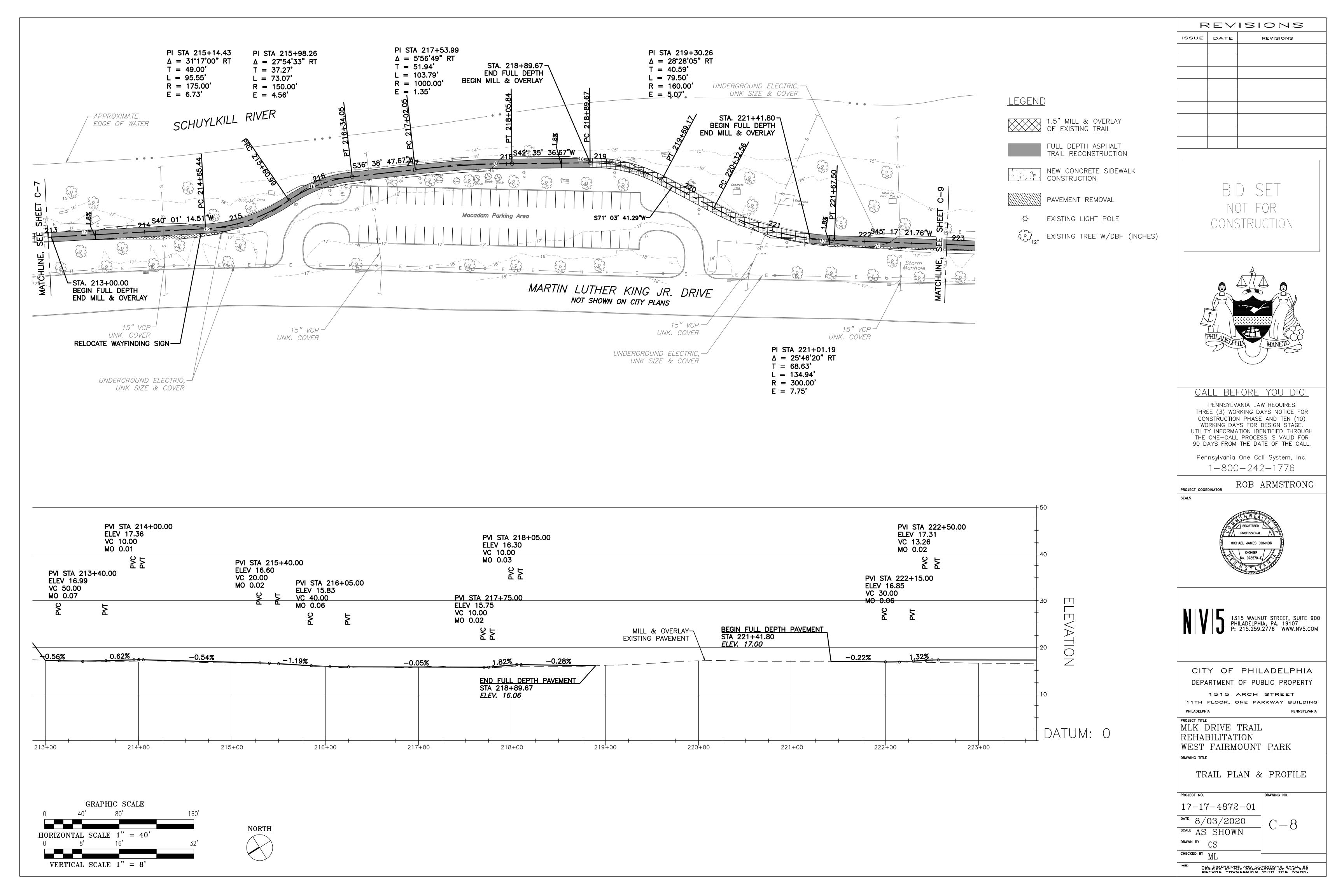
PROJECT NO. 17-17-4872-01 SCALE AS SHOWN DRAWN BY CS

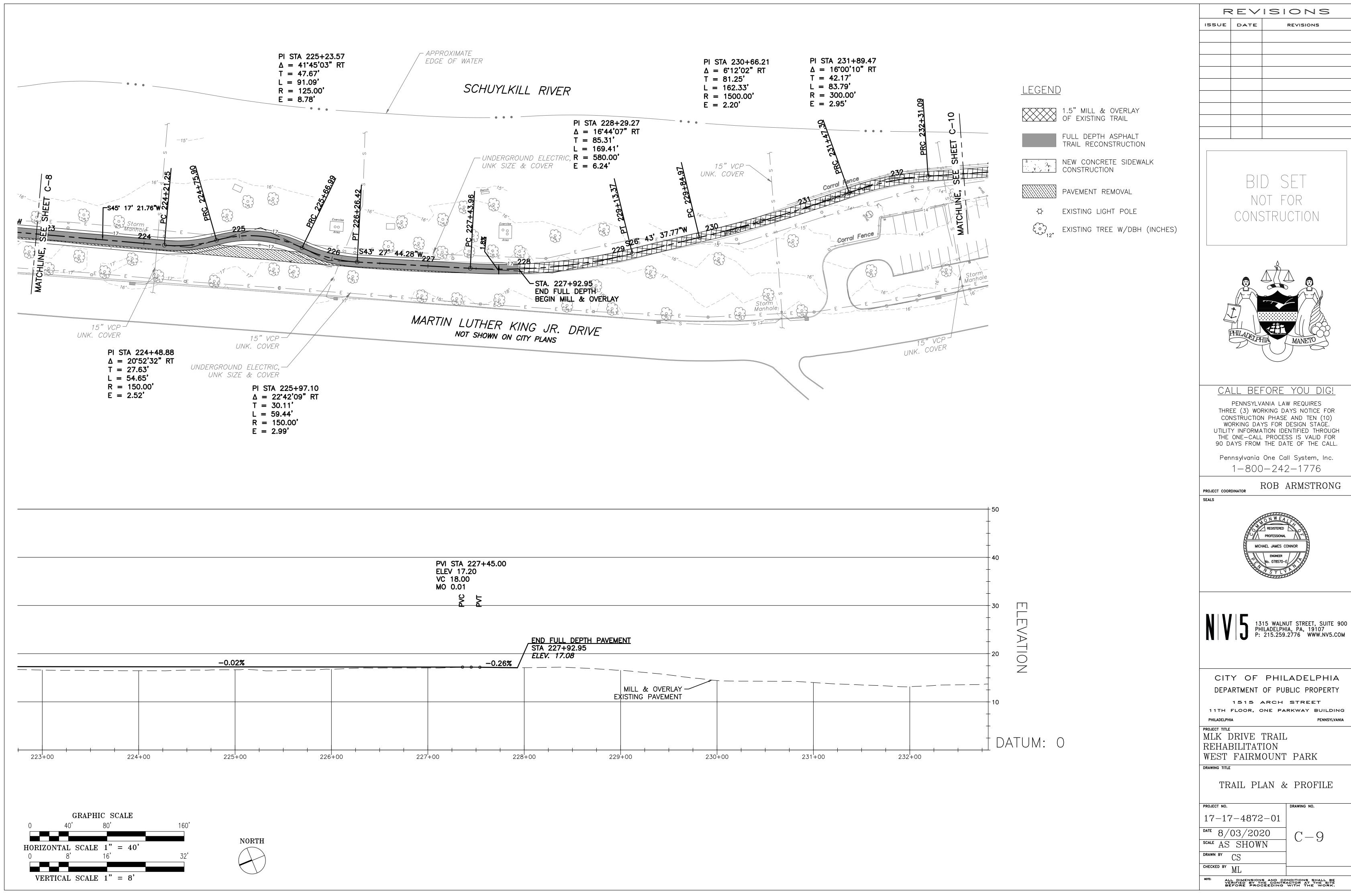
C-4



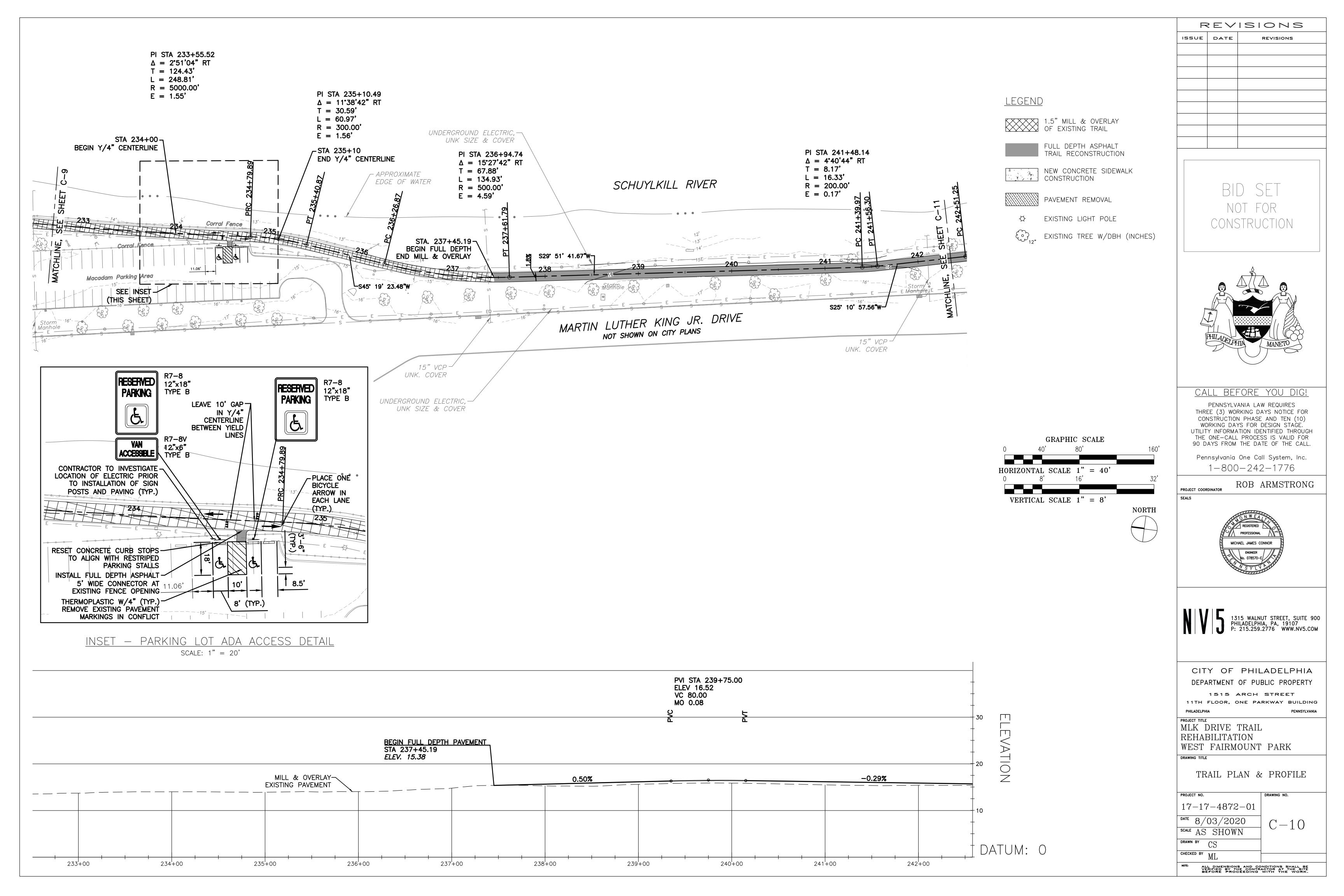


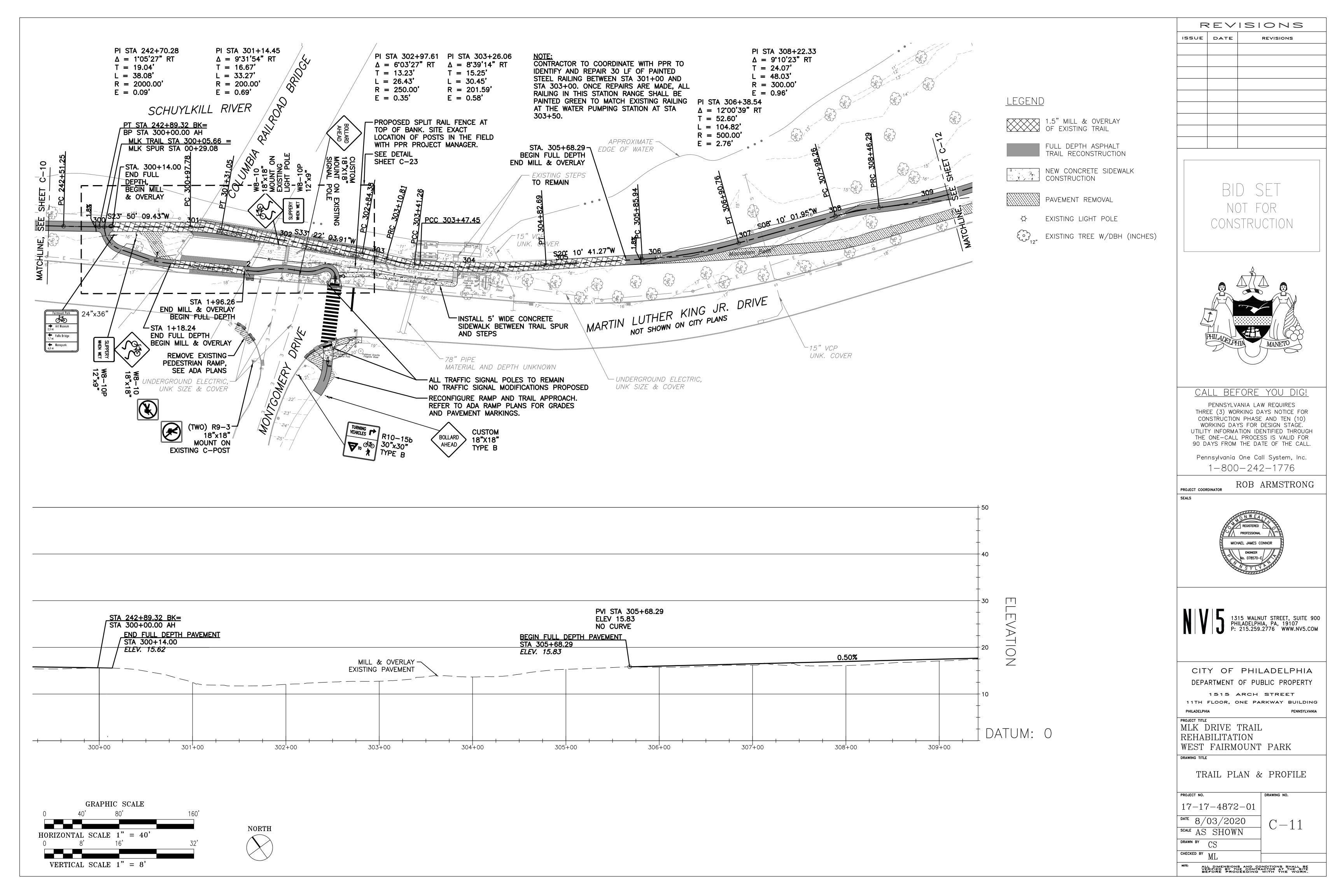


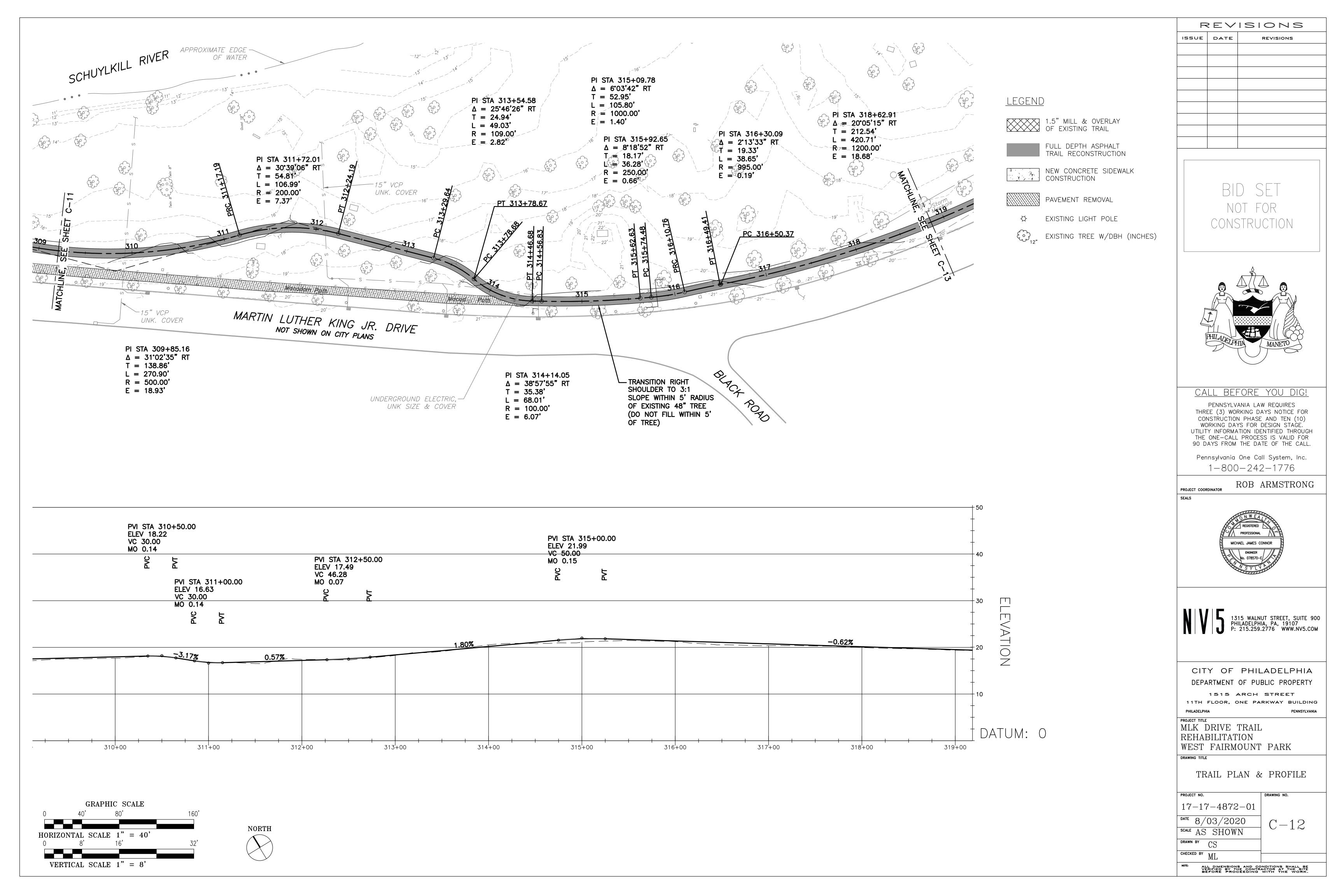


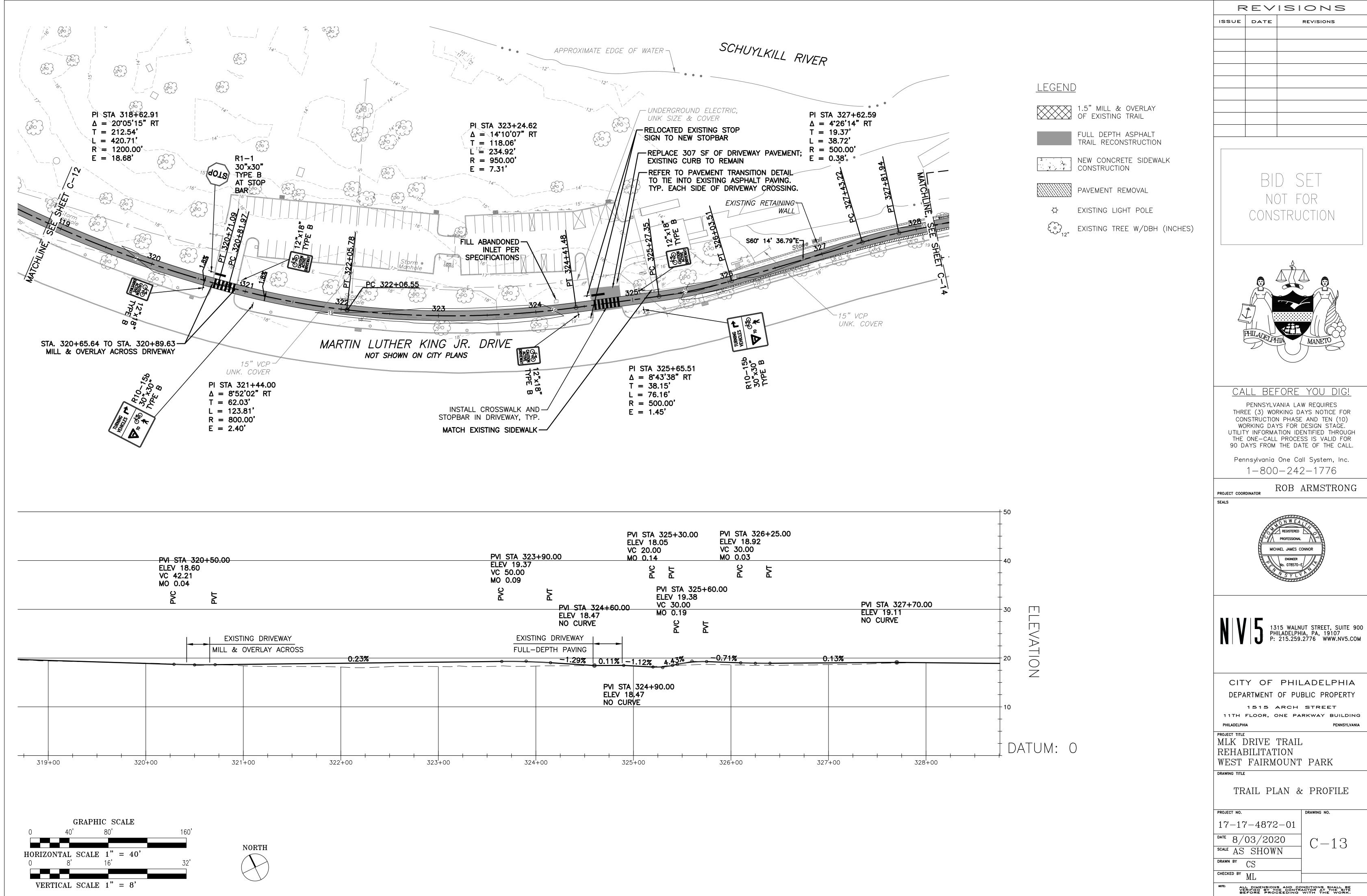


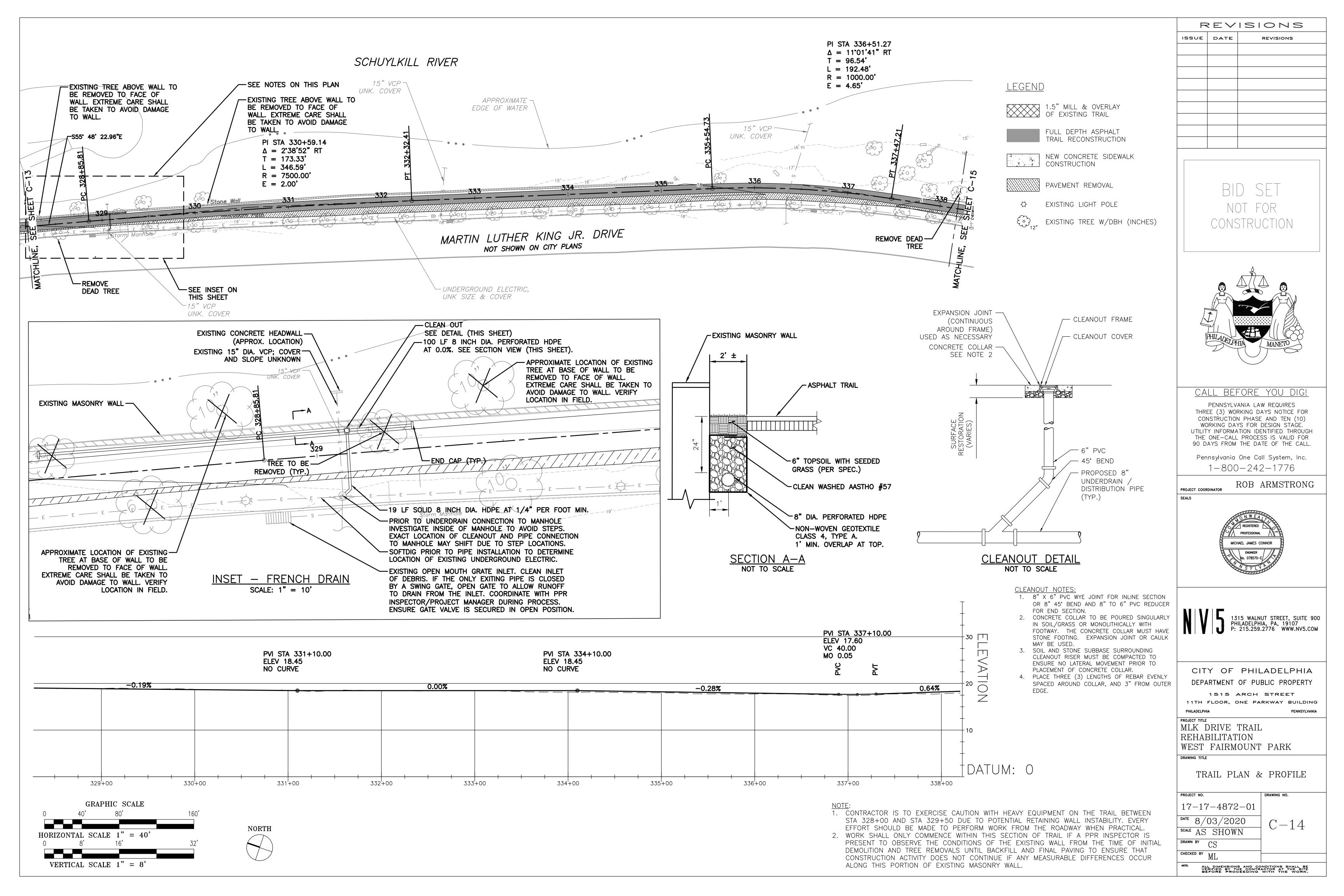
RE V 1310113			
ISSUE	DATE	REVISIONS	

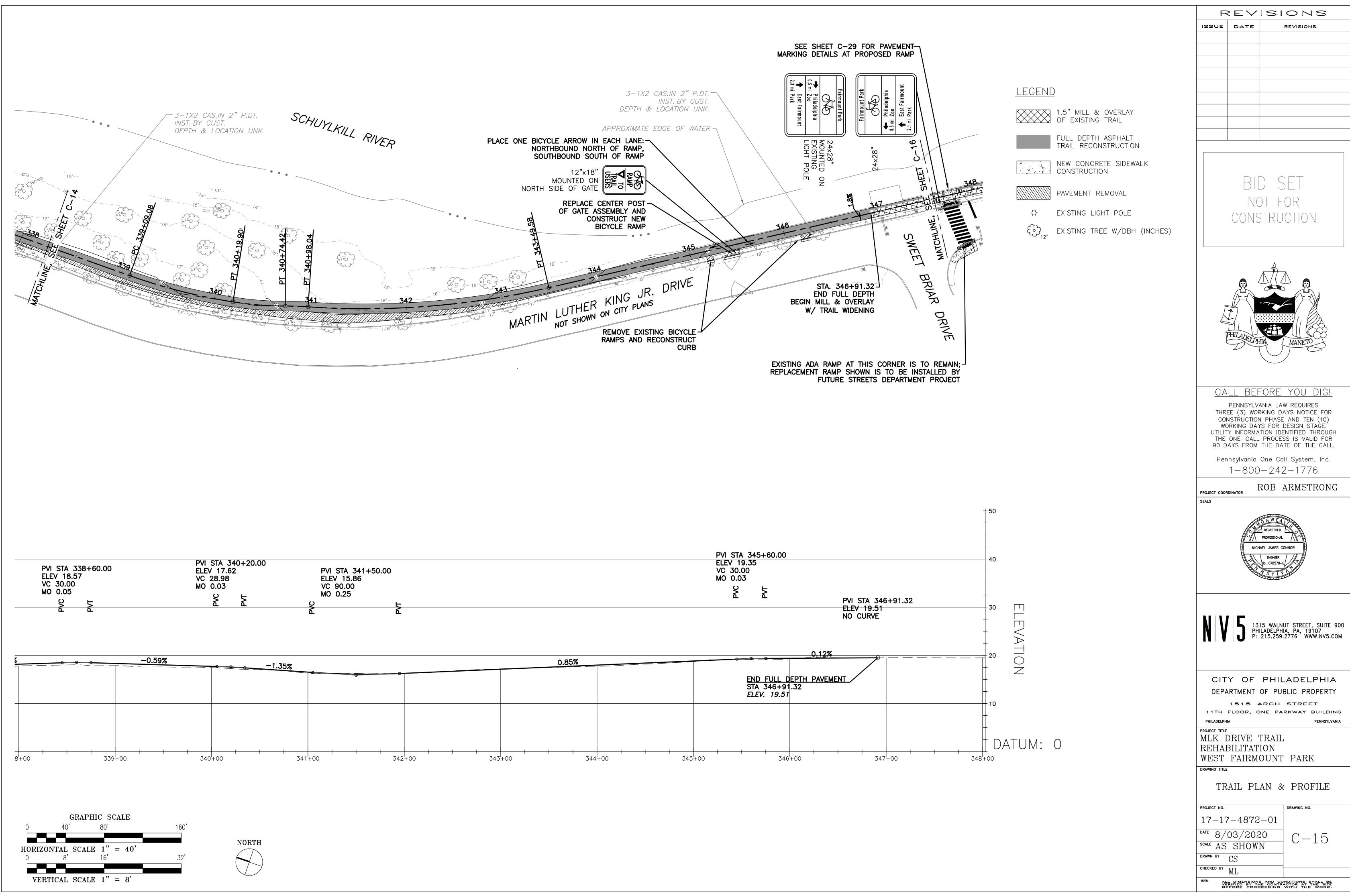


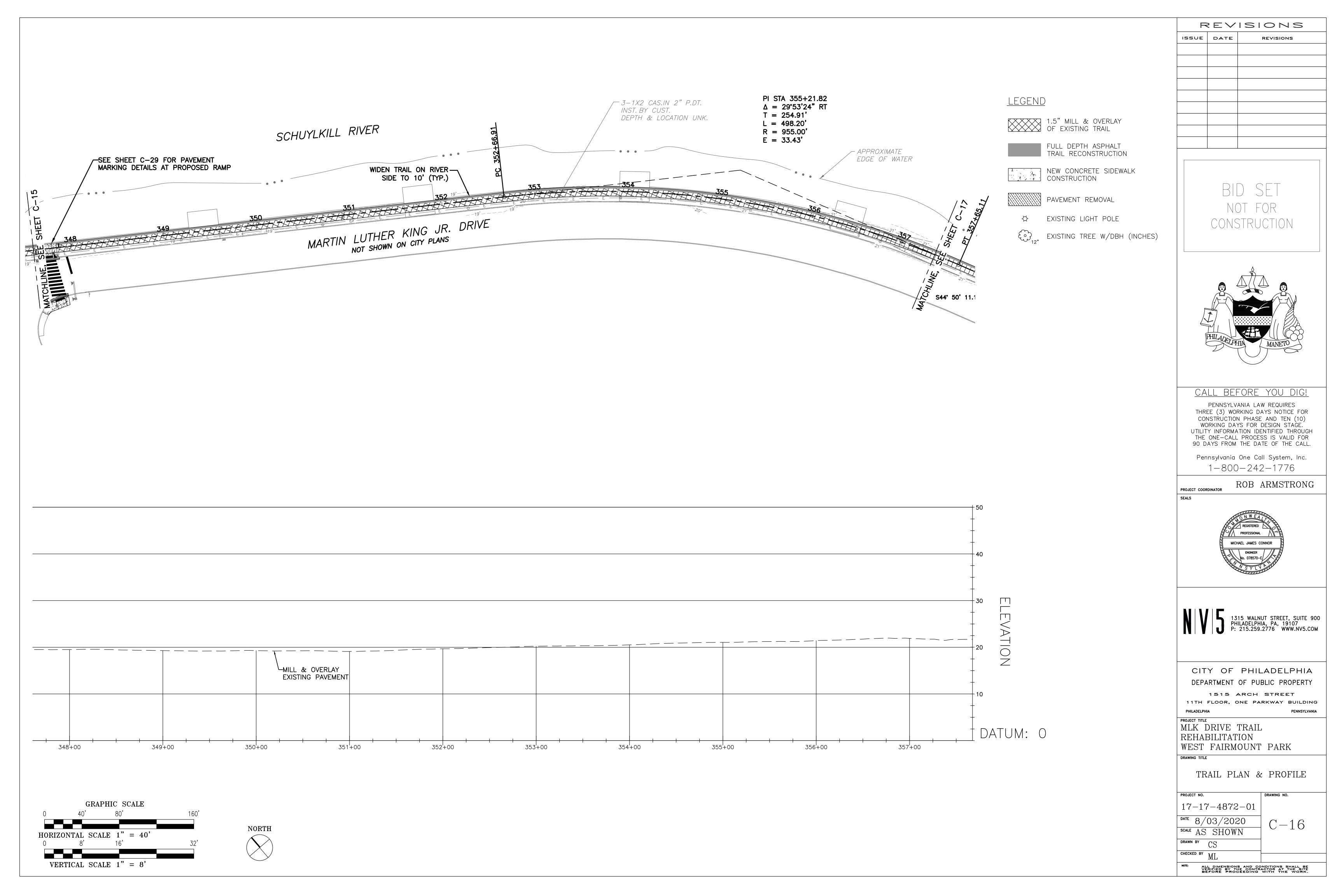


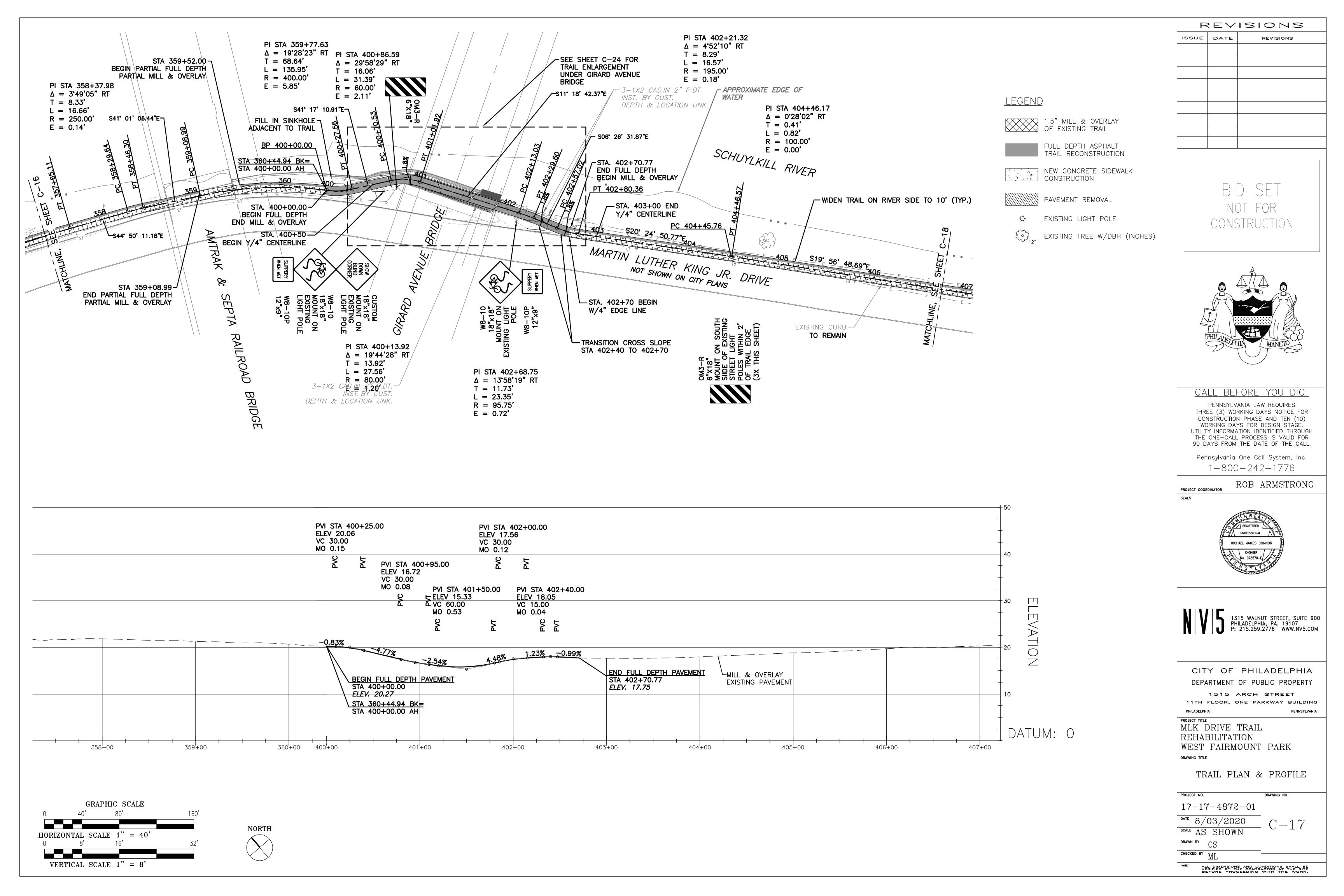


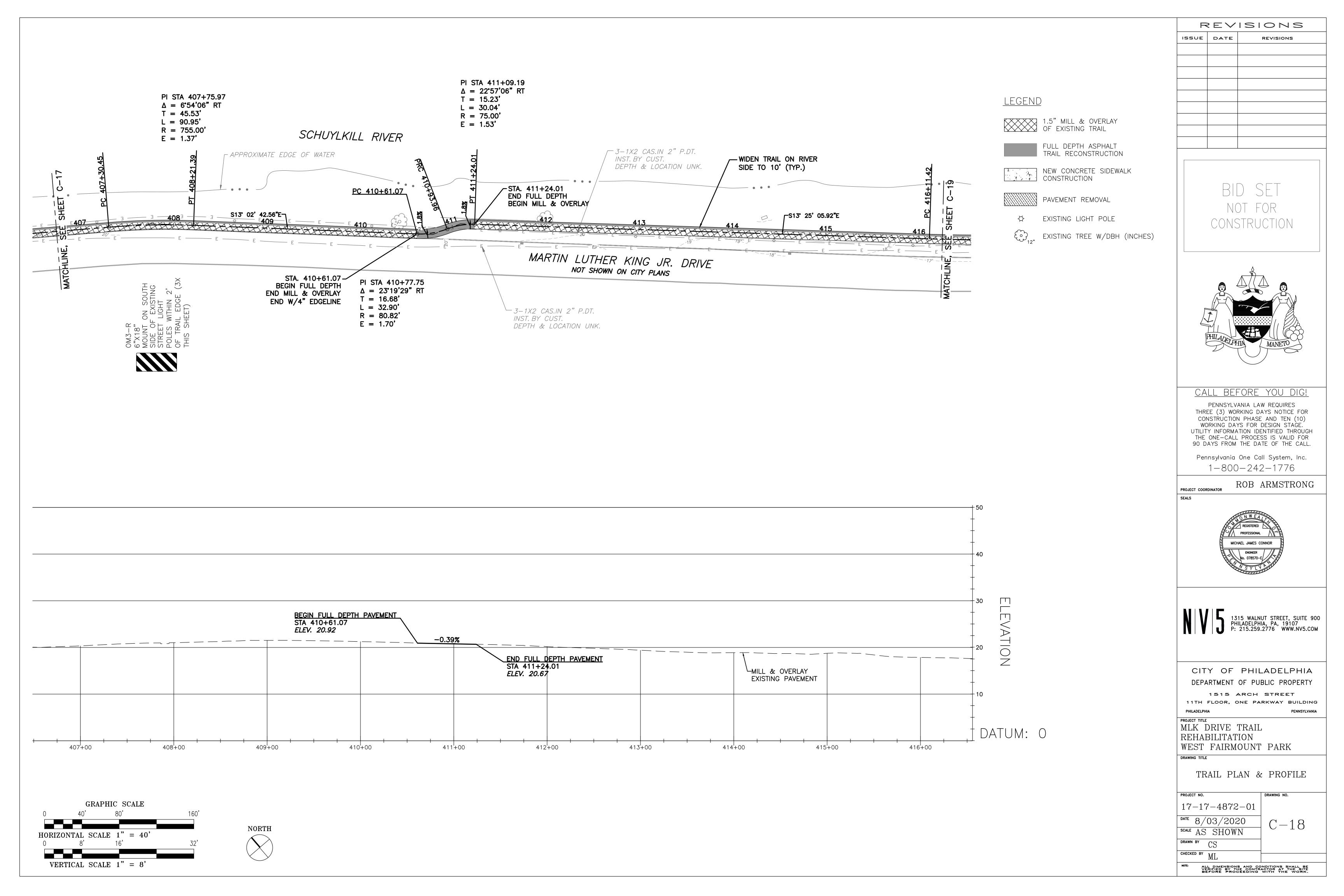


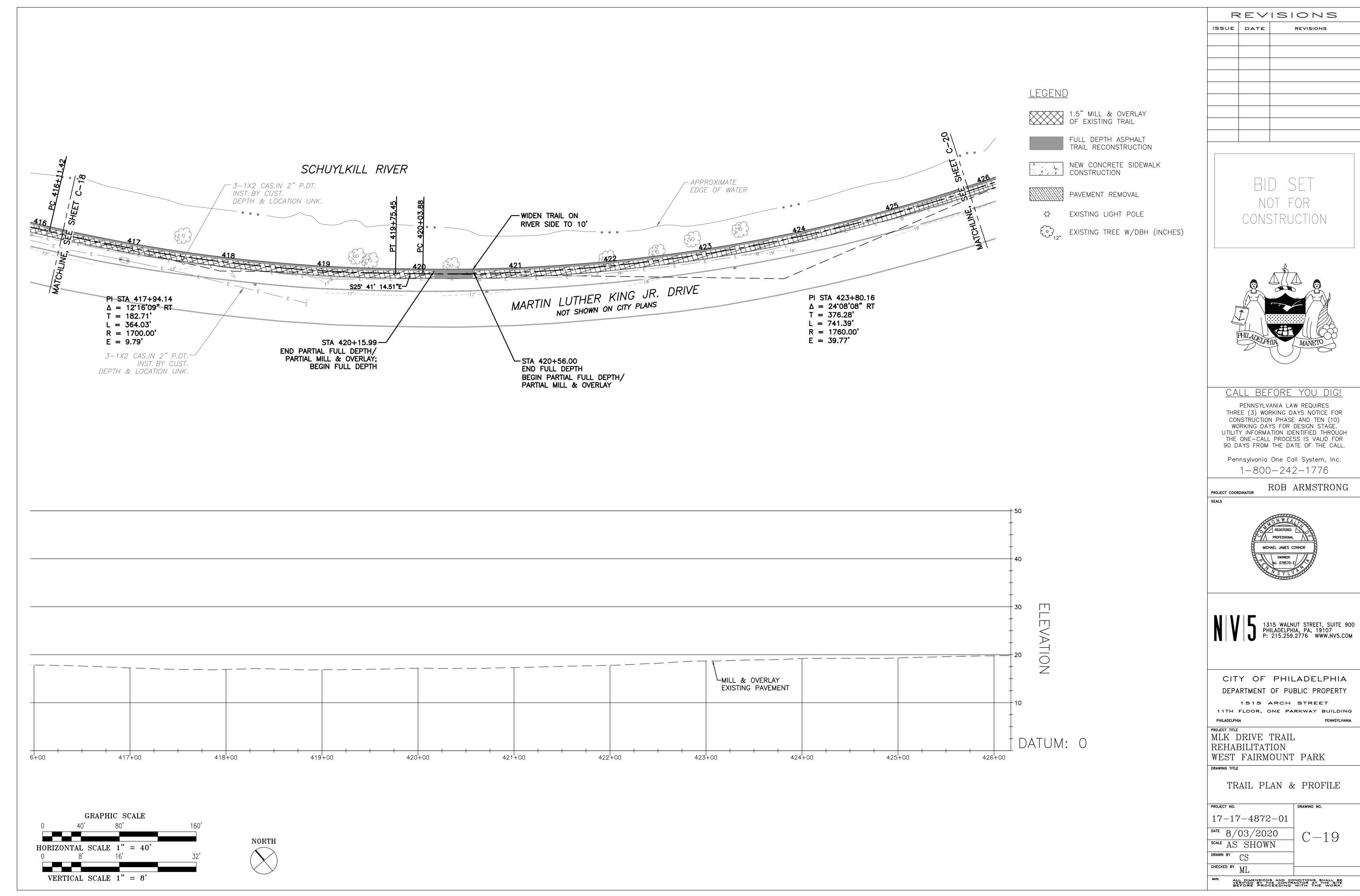


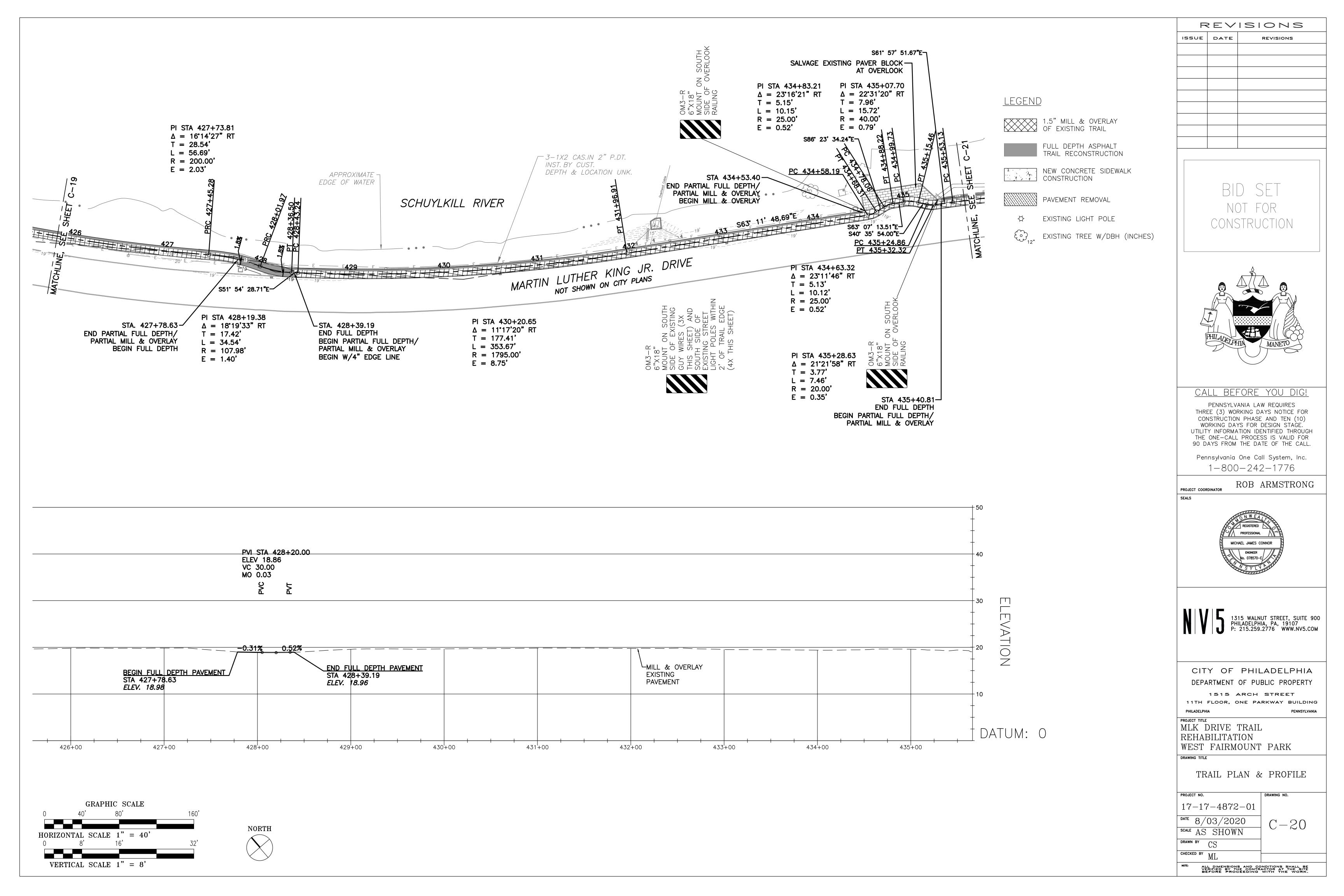


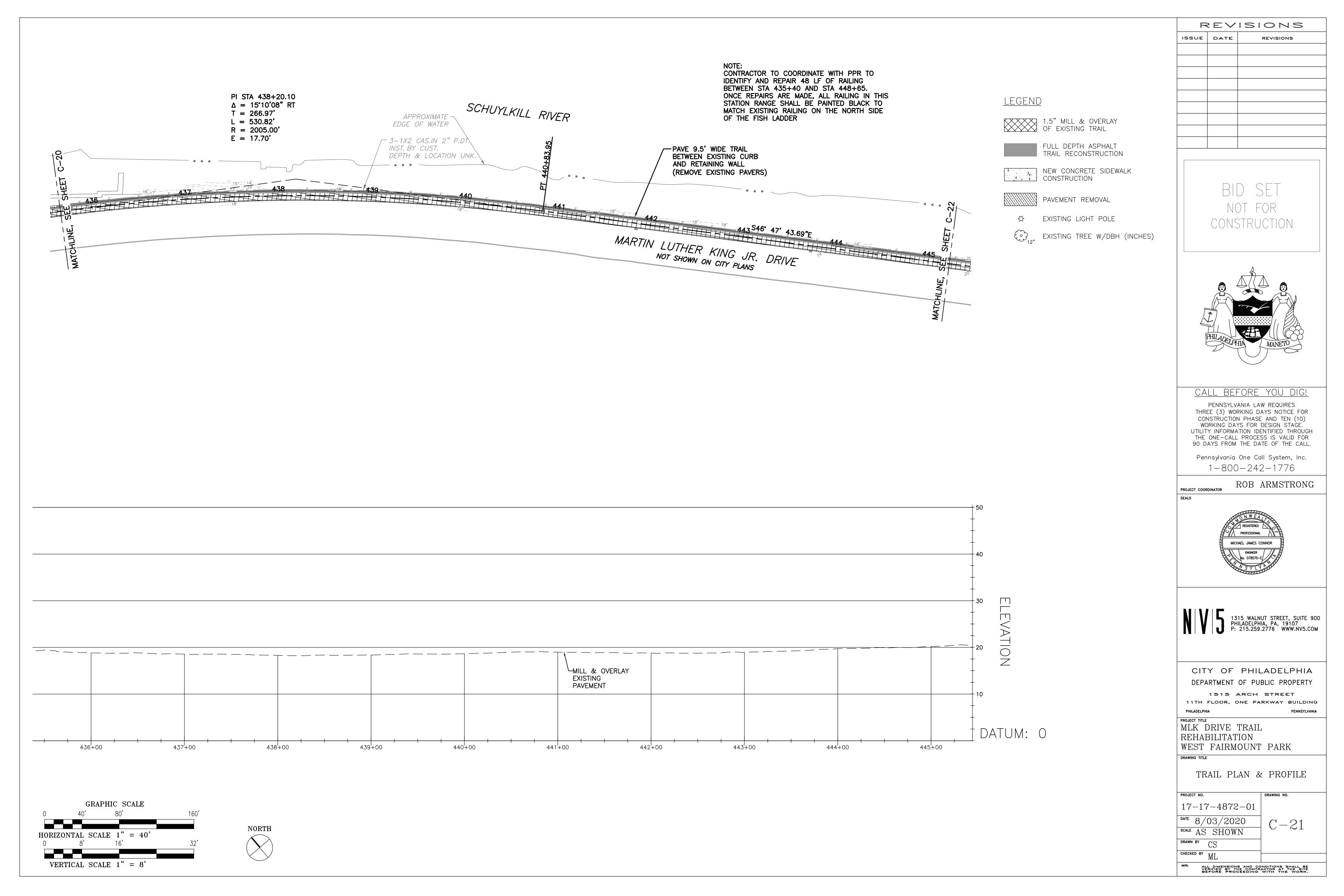


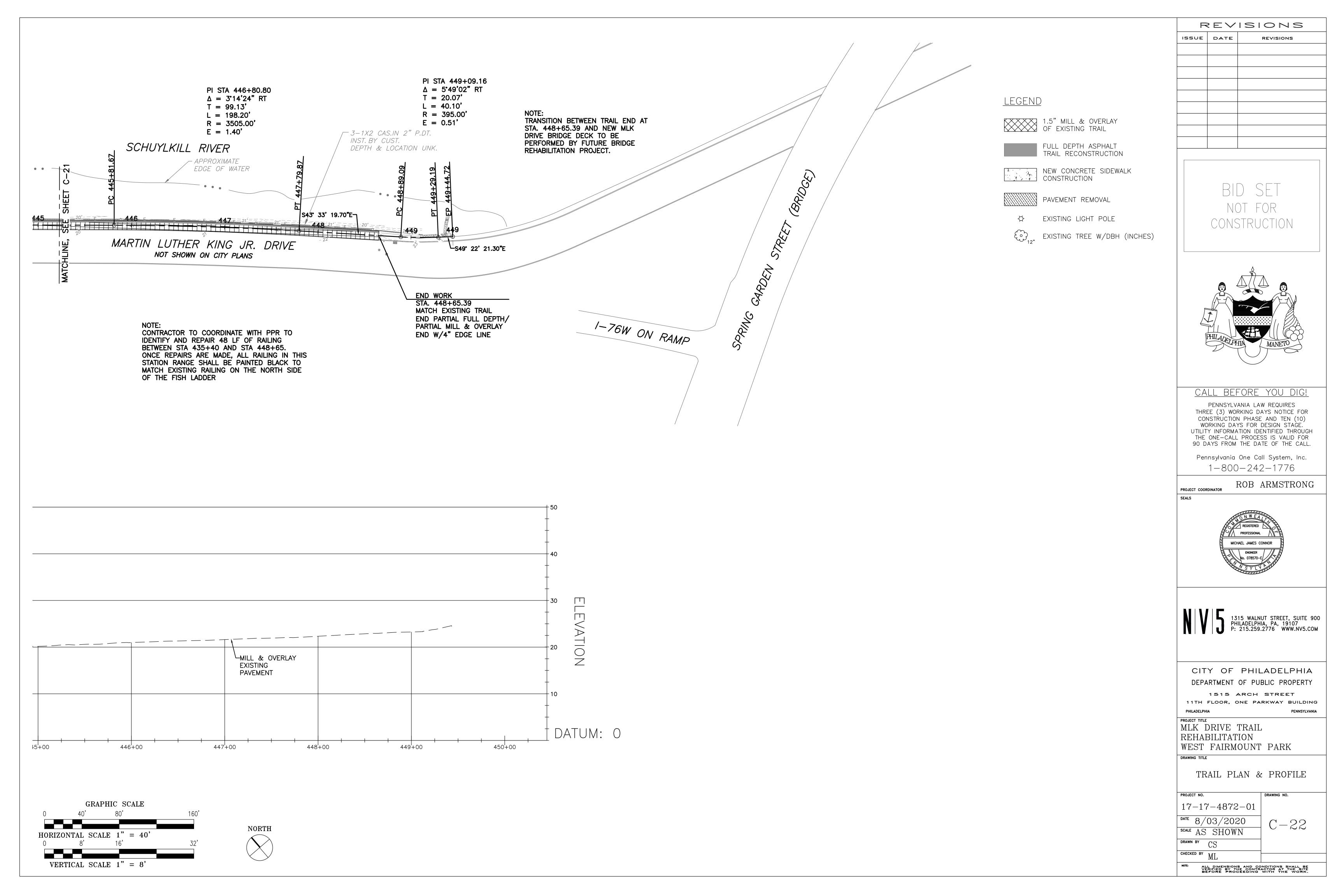


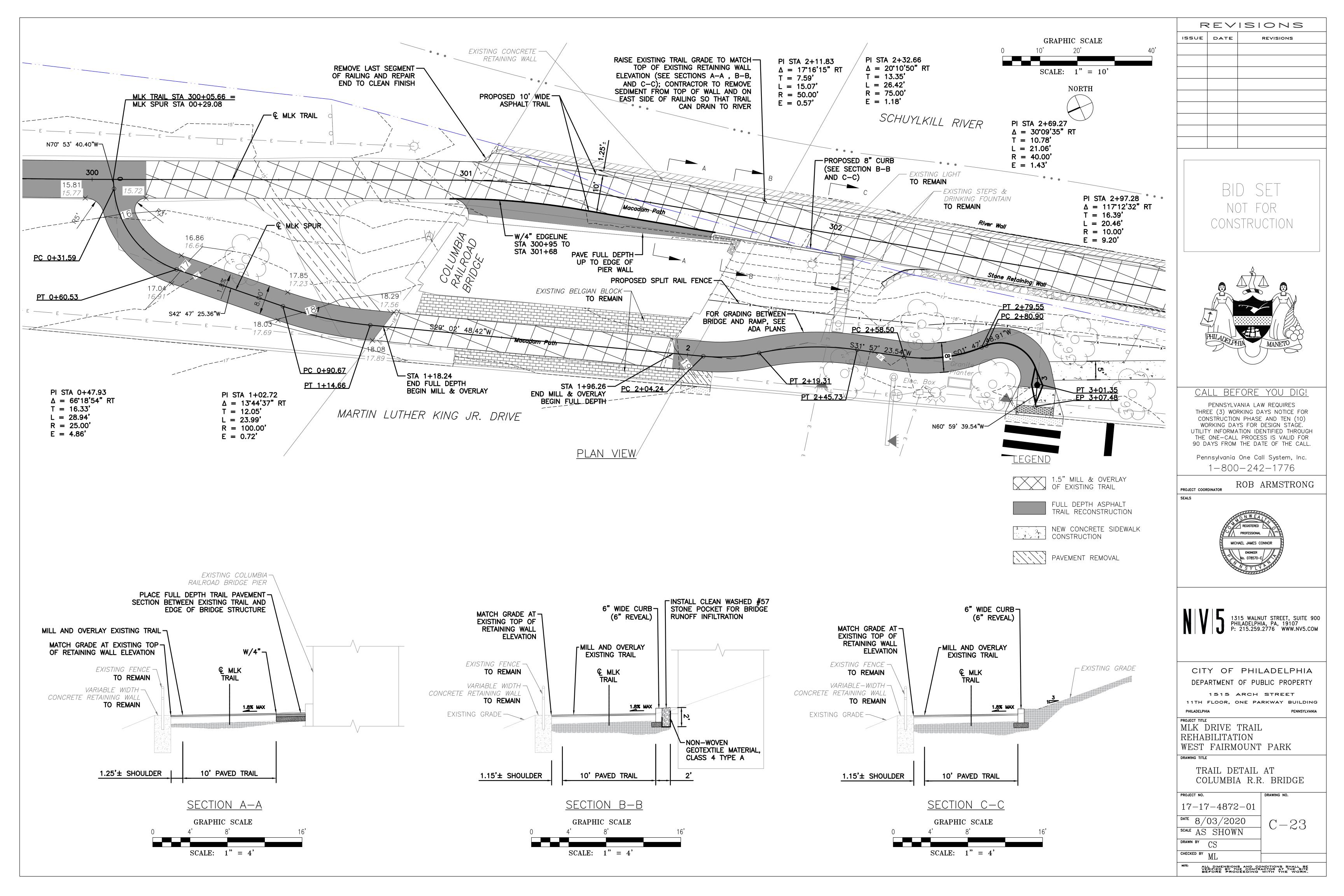


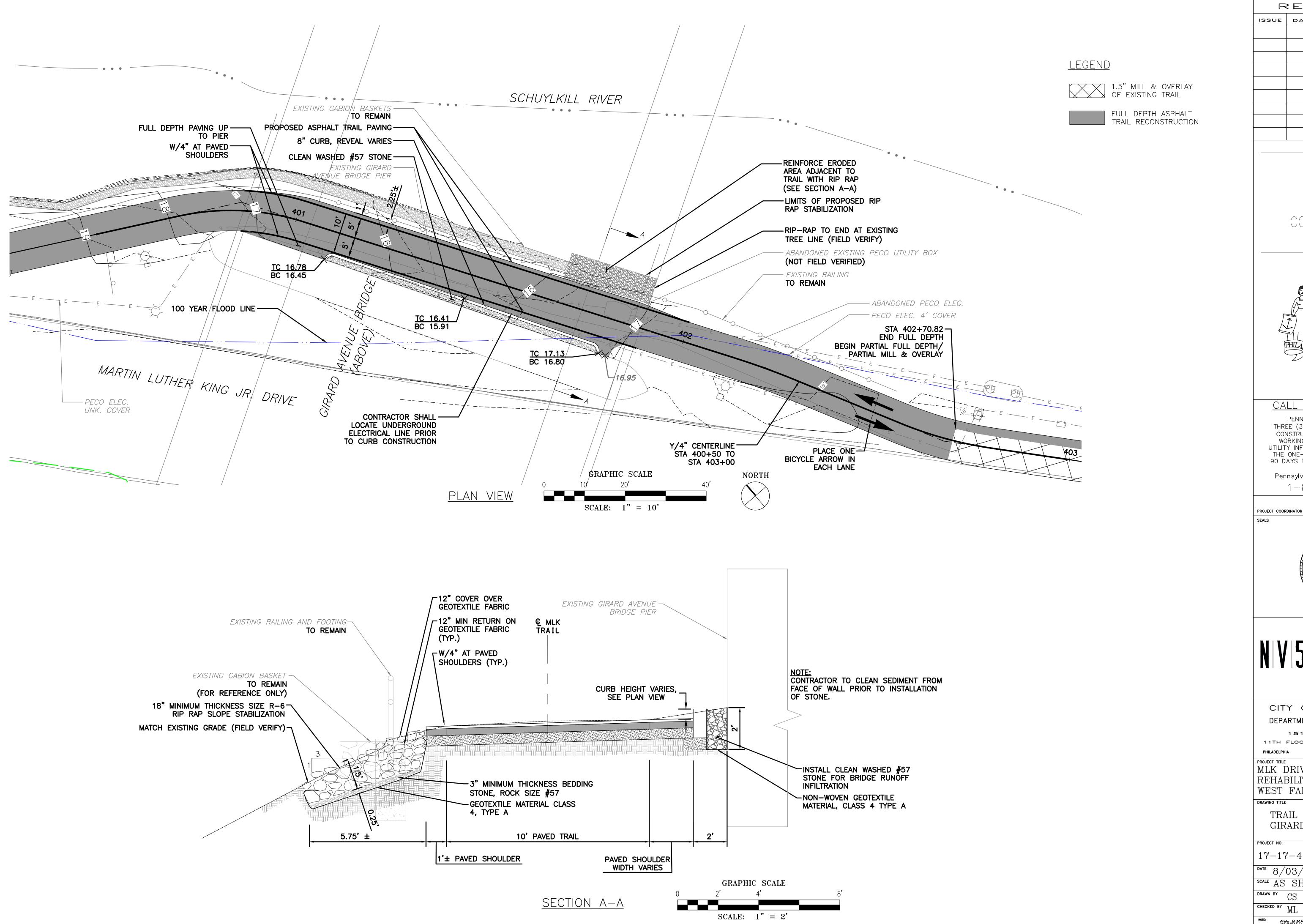






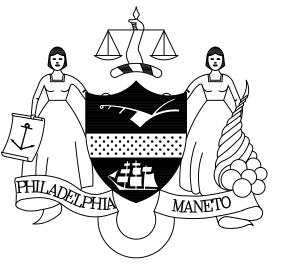






	REVISIONS		
ISSUE	DATE	REVISIONS	

NOT FOR CONSTRUCTION

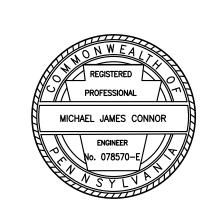


CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND TEN (10)
WORKING DAYS FOR DESIGN STAGE.
UTILITY INFORMATION IDENTIFIED THROUGH THE ONE-CALL PROCESS IS VALID FOR 90 DAYS FROM THE DATE OF THE CALL.

Pennsylvania One Call System, Inc. 1-800-242-1776

ROB ARMSTRONG



1315 WALNUT STREET, SUITE 900 PHILADELPHIA, PA, 19107 P: 215.259.2776 WWW.NV5.COM

CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY

1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING

MLK DRIVE TRAIL REHABILITATION

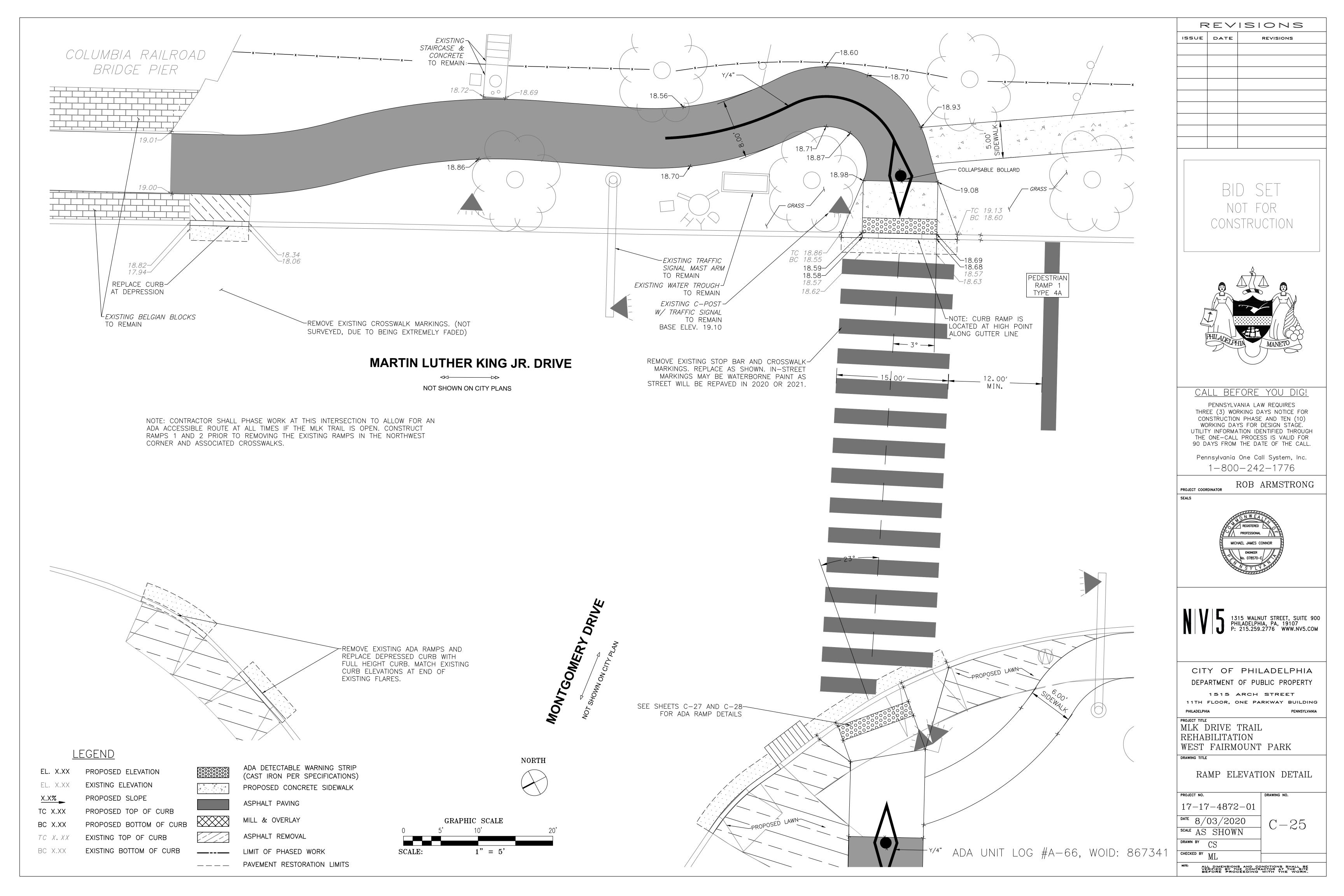
WEST FAIRMOUNT PARK

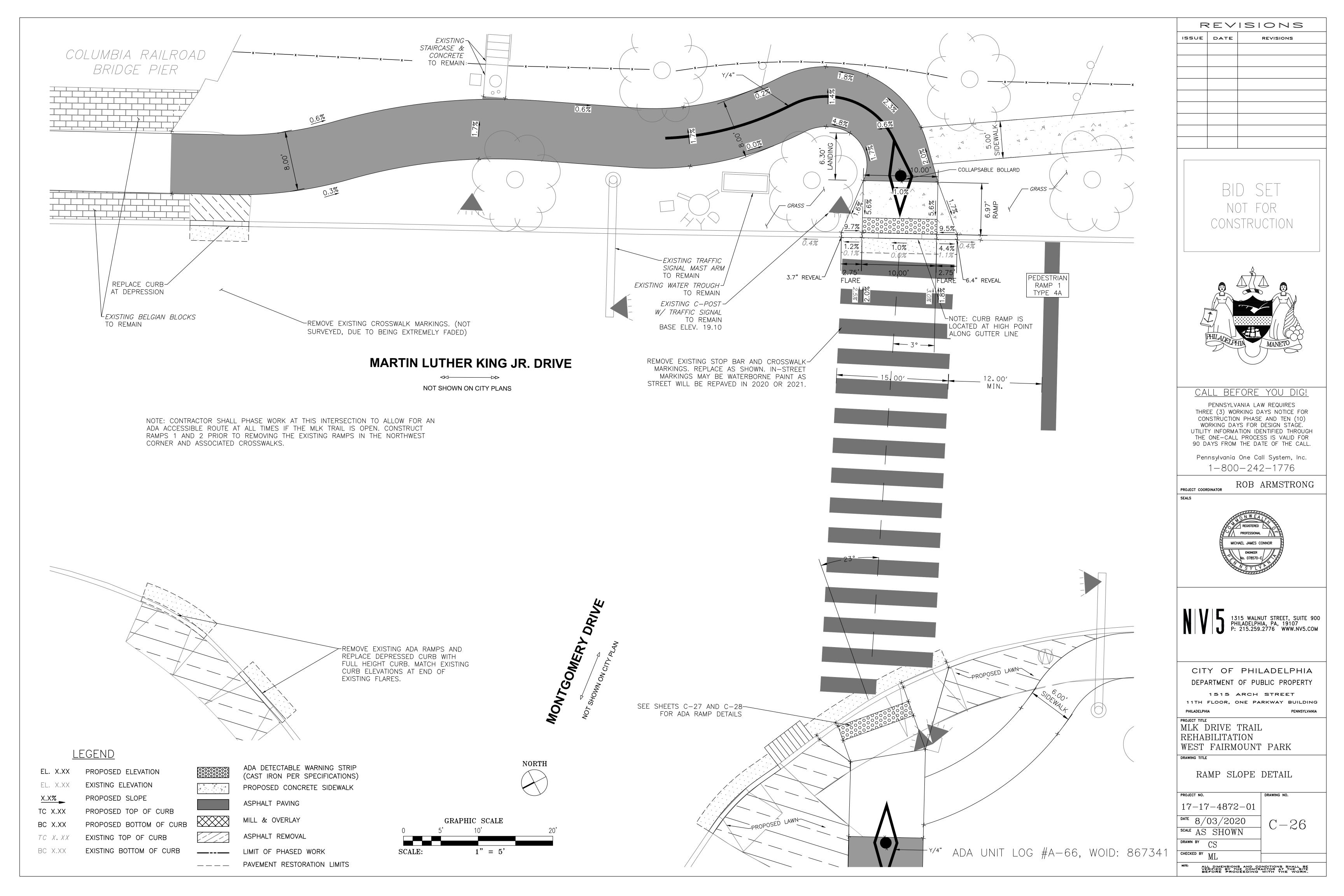
TRAIL ENLARGEMENT AT GIRARD AVENUE BRIDGE

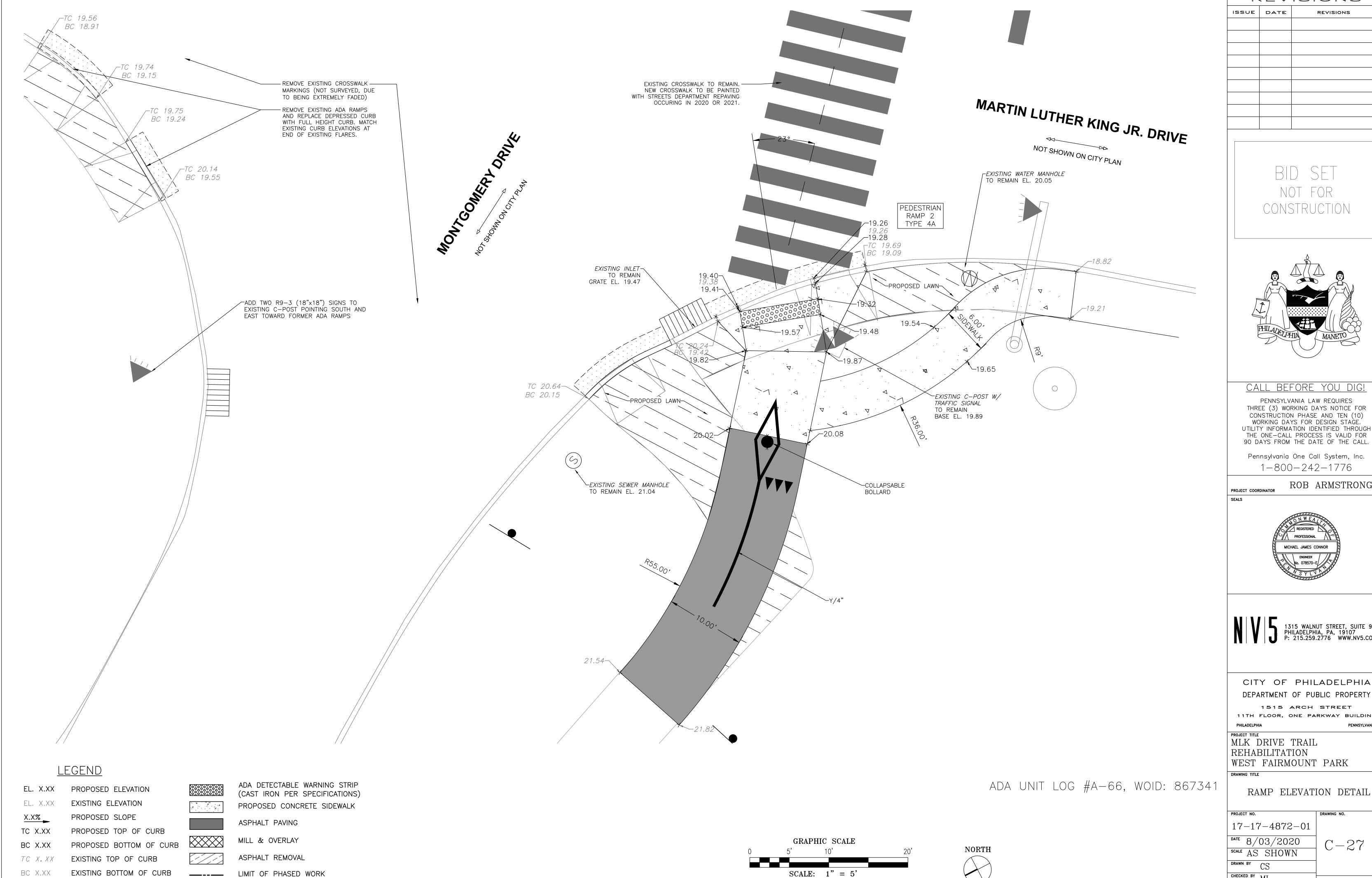
17-17-4872-01 SCALE AS SHOWN

C - 24

ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.







PAVEMENT RESTORATION LIMITS

REVISIONS REVISIONS

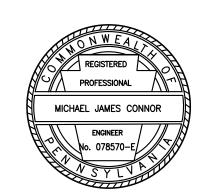
> BID SET NOT FOR CONSTRUCTION



THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND TEN (10)
WORKING DAYS FOR DESIGN STAGE.
UTILITY INFORMATION IDENTIFIED THROUGH THE ONE-CALL PROCESS IS VALID FOR 90 DAYS FROM THE DATE OF THE CALL.

1-800-242-1776

ROB ARMSTRONG



1315 WALNUT STREET, SUITE 900 PHILADELPHIA, PA, 19107 P: 215.259.2776 WWW.NV5.COM

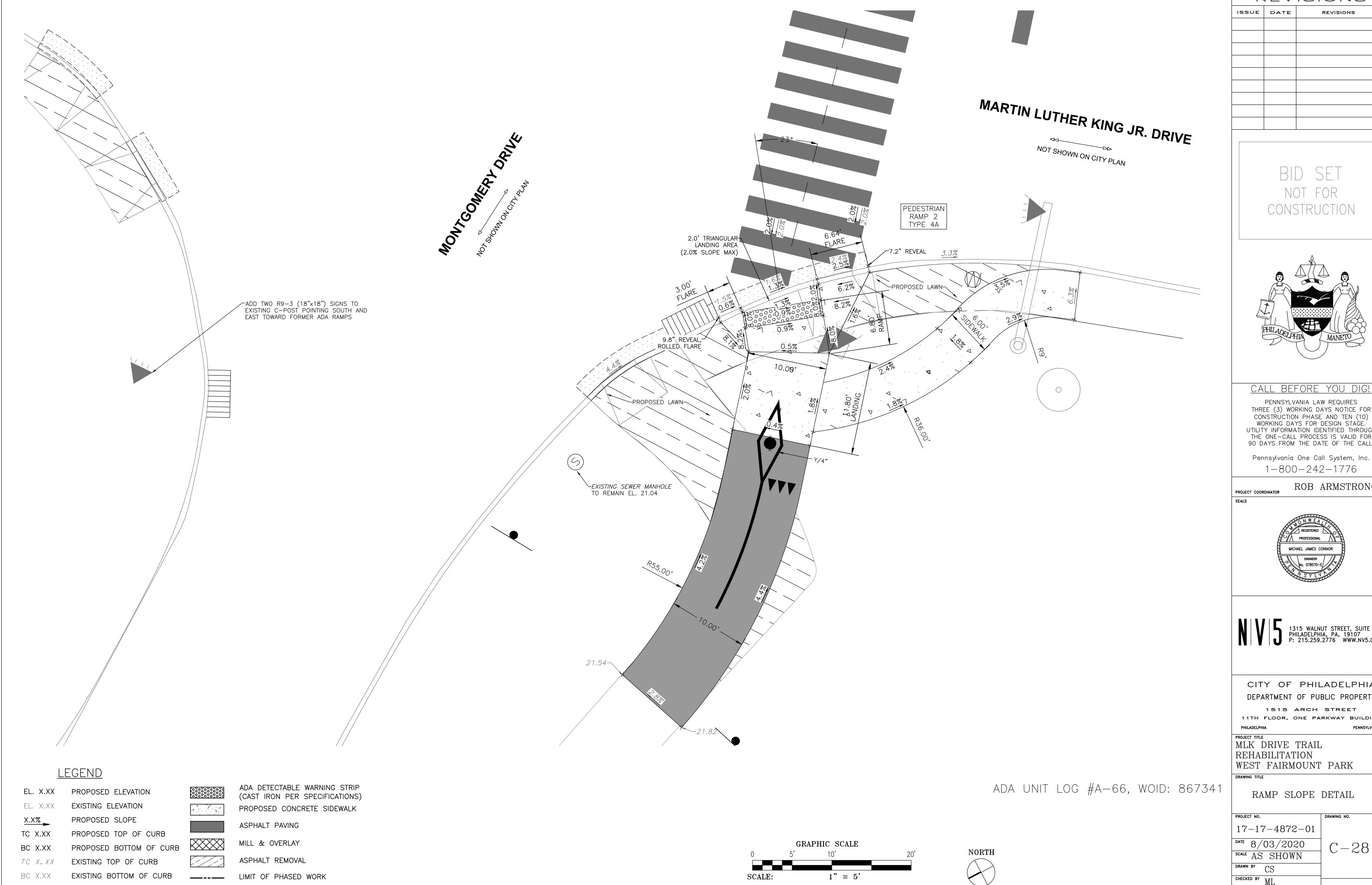
DEPARTMENT OF PUBLIC PROPERTY

11TH FLOOR, ONE PARKWAY BUILDING

WEST FAIRMOUNT PARK

C - 27

ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



PAVEMENT RESTORATION LIMITS

REVISIONS REVISIONS

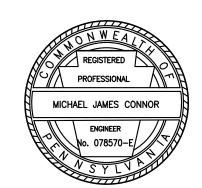
> BID SET NOT FOR CONSTRUCTION



PENNSYLVANIA LAW REQUIRES
THREE (3) WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND TEN (10)
WORKING DAYS FOR DESIGN STAGE.
UTILITY INFORMATION IDENTIFIED THROUGH
THE ONE-CALL PROCESS IS VALID FOR
90 DAYS FROM THE DATE OF THE CALL.

1-800-242-1776

ROB ARMSTRONG



1315 WALNUT STREET, SUITE 900 PHILADELPHIA, PA, 19107 P: 215.259.2776 WWW.NV5.COM

CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY

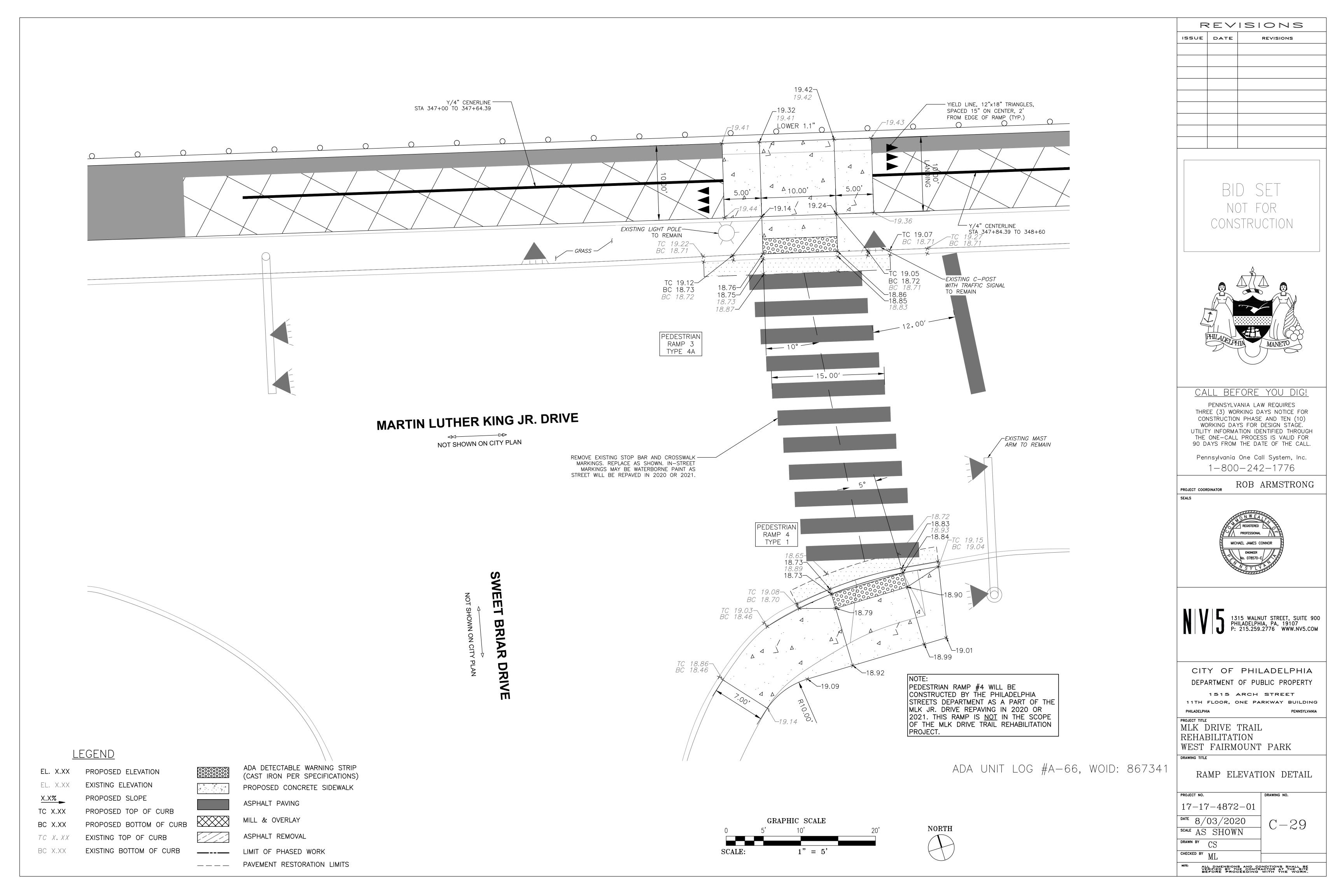
1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING

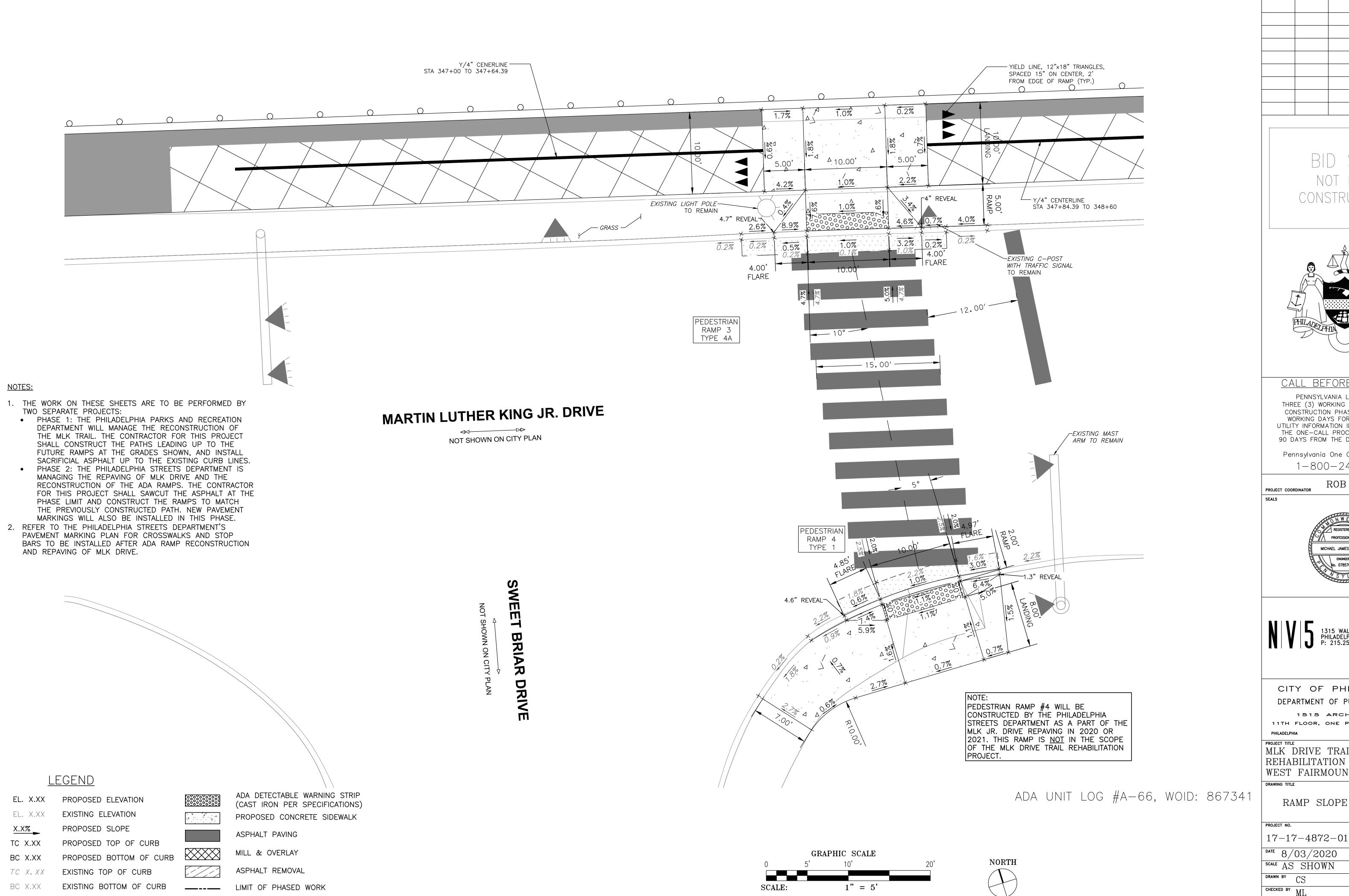
WEST FAIRMOUNT PARK

RAMP SLOPE DETAIL

C - 28

ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.





PAVEMENT RESTORATION LIMITS

REVISIONS REVISIONS ISSUE DATE

CONSTRUCTION

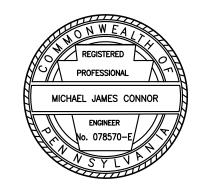


CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND TEN (10) WORKING DAYS FOR DESIGN STAGE. UTILITY INFORMATION IDENTIFIED THROUGH THE ONE-CALL PROCESS IS VALID FOR 90 DAYS FROM THE DATE OF THE CALL.

Pennsylvania One Call System, Inc. 1-800-242-1776

ROB ARMSTRONG



1315 WALNUT STREET, SUITE 900 PHILADELPHIA, PA, 19107 P: 215.259.2776 WWW.NV5.COM

CITY OF PHILADELPHIA DEPARTMENT OF PUBLIC PROPERTY

1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING

MLK DRIVE TRAIL

REHABILITATION WEST FAIRMOUNT PARK

RAMP SLOPE DETAIL

C - 30

ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.