

Appendix B6:

Conceptual Engineering Plans

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		G-001	72

DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED

CONCEPTUAL ENGINEERING OF LONG BRIDGE CORRIDOR TRACK ALIGNMENTS AND BIKE-PEDESTRIAN CONNECTION

LONG BRIDGE PROJECT LIMITS



309+00
BEGIN
PROJECT
MP 110.00

399+00 END PROJECT MP 111.70

KEY MAP

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
COVER SHEET

PROJECT ENG. _____
DESIGNED BY HNTB
CHECKED BY BDH
DRAWN BY DJS
PROJECT MGR. _____

DIVISION CHIEF _____

DATE MARCH 22, 2019
FILE _____

SHEET 1 OF 72



NO.	DESCRIPTION	NAME	DATE

REVISIONS

G-001 Thursday, March 21, 2019 AT 12:43 PM 12:43 PM kmccandless

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		G-002	72

DRAWING LIST

SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE
1	G-001	COVER SHEET
2	G-002	DRAWING INDEX
3	G-003	KEY PLAN
4	T-111	FUTURE NO-BUILD (1 OF 9)
5	T-112	FUTURE NO-BUILD (2 OF 9)
6	T-113	FUTURE NO-BUILD (3 OF 9)
7	T-114	FUTURE NO-BUILD (4 OF 9)
8	T-115	FUTURE NO-BUILD (5 OF 9)
9	T-116	FUTURE NO-BUILD (6 OF 9)
10	T-117	FUTURE NO-BUILD (7 OF 9)
11	T-118	FUTURE NO-BUILD (8 OF 9)
12	T-119	FUTURE NO-BUILD (9 OF 9)
13	T-121	TRACK ALIGNMENT (1 OF 9)
14	T-122	TRACK ALIGNMENT (2 OF 9)
15	T-123A	TRACK ALIGNMENT (3 OF 9) - ACTION ALTERNATIVE A ONLY
16	T-124A	TRACK ALIGNMENT (4 OF 9) - ACTION ALTERNATIVE A ONLY
17	T-125A	TRACK ALIGNMENT (5 OF 9) - ACTION ALTERNATIVE A ONLY
18	T-126A	TRACK ALIGNMENT (6 OF 9) - ACTION ALTERNATIVE A ONLY
19	T-127	TRACK ALIGNMENT (7 OF 9)
20	T-128	TRACK ALIGNMENT (8 OF 9)
21	T-129	TRACK ALIGNMENT (9 OF 9)
22	T-123B	TRACK ALIGNMENT (1 OF 4) - ACTION ALTERNATIVE B ONLY
23	T-124B	TRACK ALIGNMENT (2 OF 4) - ACTION ALTERNATIVE B ONLY
24	T-125B	TRACK ALIGNMENT (3 OF 4) - ACTION ALTERNATIVE B ONLY
25	T-126B	TRACK ALIGNMENT (4 OF 4) - ACTION ALTERNATIVE B ONLY
26	T-211	TRACK PROFILE GRADE LINE (1 OF 8)
27	T-212	TRACK PROFILE GRADE LINE (2 OF 8)
28	T-213	TRACK PROFILE GRADE LINE (3 OF 8)
29	T-214	TRACK PROFILE GRADE LINE (4 OF 8)
30	T-215	TRACK PROFILE GRADE LINE (5 OF 8)
31	T-216	TRACK PROFILE GRADE LINE (6 OF 8)
32	T-217	TRACK PROFILE GRADE LINE (7 OF 8)
33	T-218	TRACK PROFILE GRADE LINE (8 OF 8)
34	T-301	TYPICAL SECTIONS (1 OF 19)
35	T-302	TYPICAL SECTIONS (2 OF 19)
36	T-303	TYPICAL SECTIONS (3 OF 19)
37	T-304	TYPICAL SECTIONS (4 OF 19)
38	T-305	TYPICAL SECTIONS (5 OF 19)
39	T-306	TYPICAL SECTIONS (6 OF 19)
40	T-307	TYPICAL SECTIONS (7 OF 19)
41	T-308	TYPICAL SECTIONS (8 OF 19)
42	T-309	TYPICAL SECTIONS (9 OF 19)
43	T-310	TYPICAL SECTIONS (10 OF 19)
44	T-311	TYPICAL SECTIONS (11 OF 19)
45	T-312	TYPICAL SECTIONS (12 OF 19)
46	T-313	TYPICAL SECTIONS (13 OF 19)
47	T-314	TYPICAL SECTIONS (14 OF 19)
48	T-315	TYPICAL SECTIONS (15 OF 19)
49	T-316	TYPICAL SECTIONS (16 OF 19)
50	T-317	TYPICAL SECTIONS (17 OF 19)
51	T-318	TYPICAL SECTIONS (18 OF 19)
52	T-319	TYPICAL SECTIONS (19 OF 19)
53	T-811	PHASING DIAGRAM - EXISTING/FUTURE NO-BUILD
54	T-812	PHASING DIAGRAM - PHASE A, PREWORK/STAGE 1
55	T-813	PHASING DIAGRAM - PHASE A, STAGE 2/3
56	T-814	PHASING DIAGRAM - PHASE A, STAGE 4/5
57	T-815	PHASING DIAGRAM - PHASE A, STAGE 6/PHASE B PREWORK
58	T-816	PHASING DIAGRAM - PHASE B, STAGE 1/2
59	T-817	PHASING DIAGRAM - PHASE B, STAGE 3/4
60	T-818	PHASING DIAGRAM - PHASE B, STAGE 5/6
61	T-819A	PHASING DIAGRAM - ACTION ALTERNATIVE A, STAGE 1/2
62	T-820A	PHASING DIAGRAM - ACTION ALTERNATIVE A, STAGE 3/FINAL
63	T-819B	PHASING DIAGRAM - ACTION ALTERNATIVE B, STAGE 1/2
64	T-820B	PHASING DIAGRAM - ACTION ALTERNATIVE B, STAGE 3/FINAL
65	B-121	BIKE-PEDESTRIAN PLAN (1 OF 3)
66	B-122	BIKE-PEDESTRIAN PLAN (2 OF 3)
67	B-123	BIKE-PEDESTRIAN PLAN (3 OF 3)
68	B-211	BIKE-PEDESTRIAN PROFILE (1 OF 3)
69	B-212	BIKE-PEDESTRIAN PROFILE (2 OF 3)
70	B-213	BIKE-PEDESTRIAN PROFILE (3 OF 3)
71	B-301	BIKE-PEDESTRIAN SECTION (1 OF 2)
72	B-302	BIKE-PEDESTRIAN SECTION (2 OF 2)

NOTES:

- ACTION ALTERNATIVE A INCLUDES CONSTRUCTION OF A NEW TWO-TRACK BRIDGE UPSTREAM OF THE EXISTING LONG BRIDGE. THE EXISTING TWO-TRACK LONG BRIDGE WOULD BE RETAINED TO CREATE A FOUR-TRACK CROSSING.
- ACTION ALTERNATIVE B INCLUDES A NEW TWO-TRACK BRIDGE CONSTRUCTED UPSTREAM OF THE EXISTING BRIDGE AND THE REPLACEMENT OF THE EXISTING BRIDGE WITH A NEW TWO-TRACK BRIDGE, CREATING A FOUR-TRACK CROSSING.
- DESIGN IS BASED ON PROJECT AERIAL MAPPING, DISTRICT-PROVIDED AERIAL LIDAR, DISTRICT-PROVIDED RIGHT-OF-WAY GIS FILES, AND AS-BUILT DRAWINGS IN PDF FORMAT. FINAL DESIGN REQUIRES ADDITIONAL SURVEY, RIGHT-OF-WAY RESEARCH, AND MAPPING.
- THE PROJECT LIMITS ARE BETWEEN THE "RO" INTERLOCKING NEAR LONG BRIDGE PARK IN ARLINGTON, VA AND THE "L'ENFANT NORTH" (LE) INTERLOCKING NEAR 9TH STREET SW IN THE DISTRICT OF COLUMBIA.
- THESE DRAWINGS DEPICT THE ALIGNMENT, PROFILES, TYPICAL SECTIONS, AND CONSTRUCTION PHASING FOR TWO ACTION ALTERNATIVES AND THE FUTURE NO-BUILD ALIGNMENTS BETWEEN "RO" INTERLOCKING AND "LE NORTH" INTERLOCKING.
- DETAILS FOR A BIKE-PEDESTRIAN BRIDGE ACROSS THE MAIN RIVER ARE BEING DEVELOPED IN PARALLEL WITH THE CONCEPTUAL ENGINEERING PLANS FOR THE RAILROAD CORRIDOR AND ARE ATTACHED TO THIS PLAN SET. THE PREFERRED ALTERNATIVE FOR THE BIKE-PEDESTRIAN BRIDGE IS AN UPSTREAM INDEPENDENT CROSSING.

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
INDEX SHEET

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

DIVISION CHIEF

DATE: MARCH 22, 2019

FILE: _____

SHEET 2 OF 72

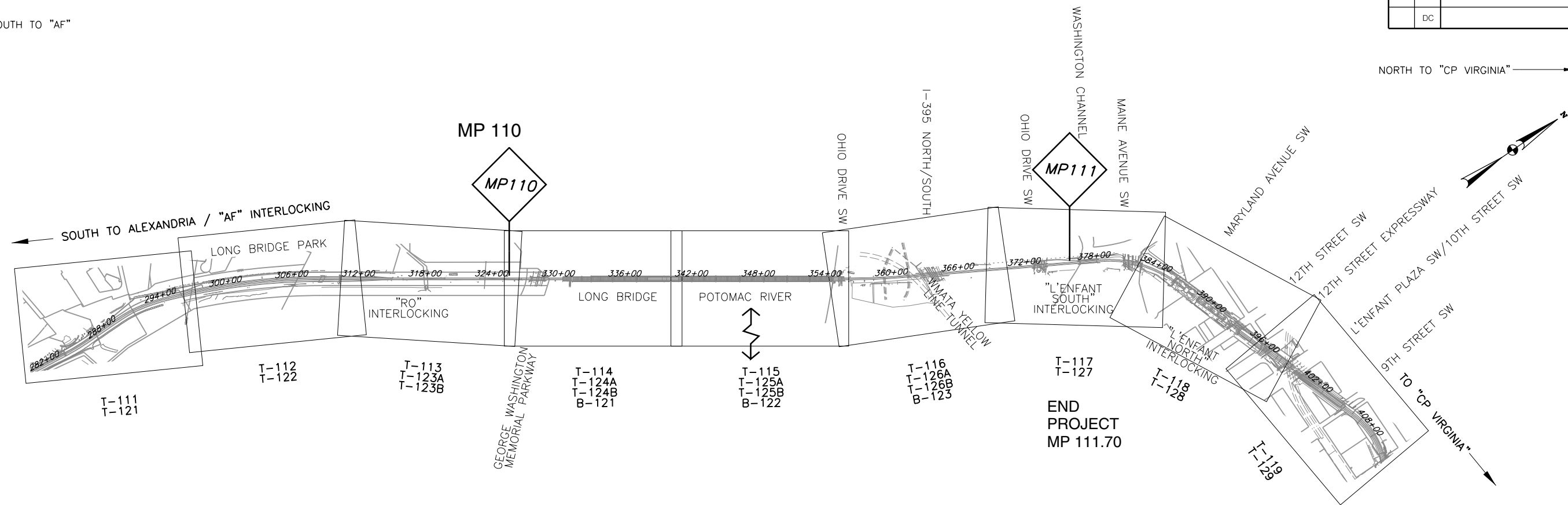


NO.	DESCRIPTION	NAME	DATE

REVISIONS

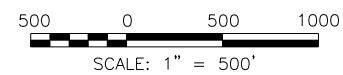
← SOUTH TO "AF"

→ NORTH TO "CP VIRGINIA"



LONG BRIDGE UNDERGRADE BRIDGE IMPACTS	MINIMUM VERTICAL CLEARANCE		
	EXISTING	PROPOSED	DIFFERENCE
GEORGE WASHINGTON MEMORIAL PARKWAY	12'-5"	14'-6"	2'-1" INCREASE
OHIO DRIVE SW	12'-6"	14'-6"	2'-0" INCREASE
I-395	13'-10"	16'-0"	2'-2" INCREASE
OHIO DRIVE SW	12'-6"	12'-6"	MATCH EXISTING
MAINE AVENUE SW	14'-0"	14'-0"	MATCH EXISTING

G-003 kmccondless Thursday, March 21, 2019 AT 12:43 PM 12:43 PM



CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
KEY PLAN

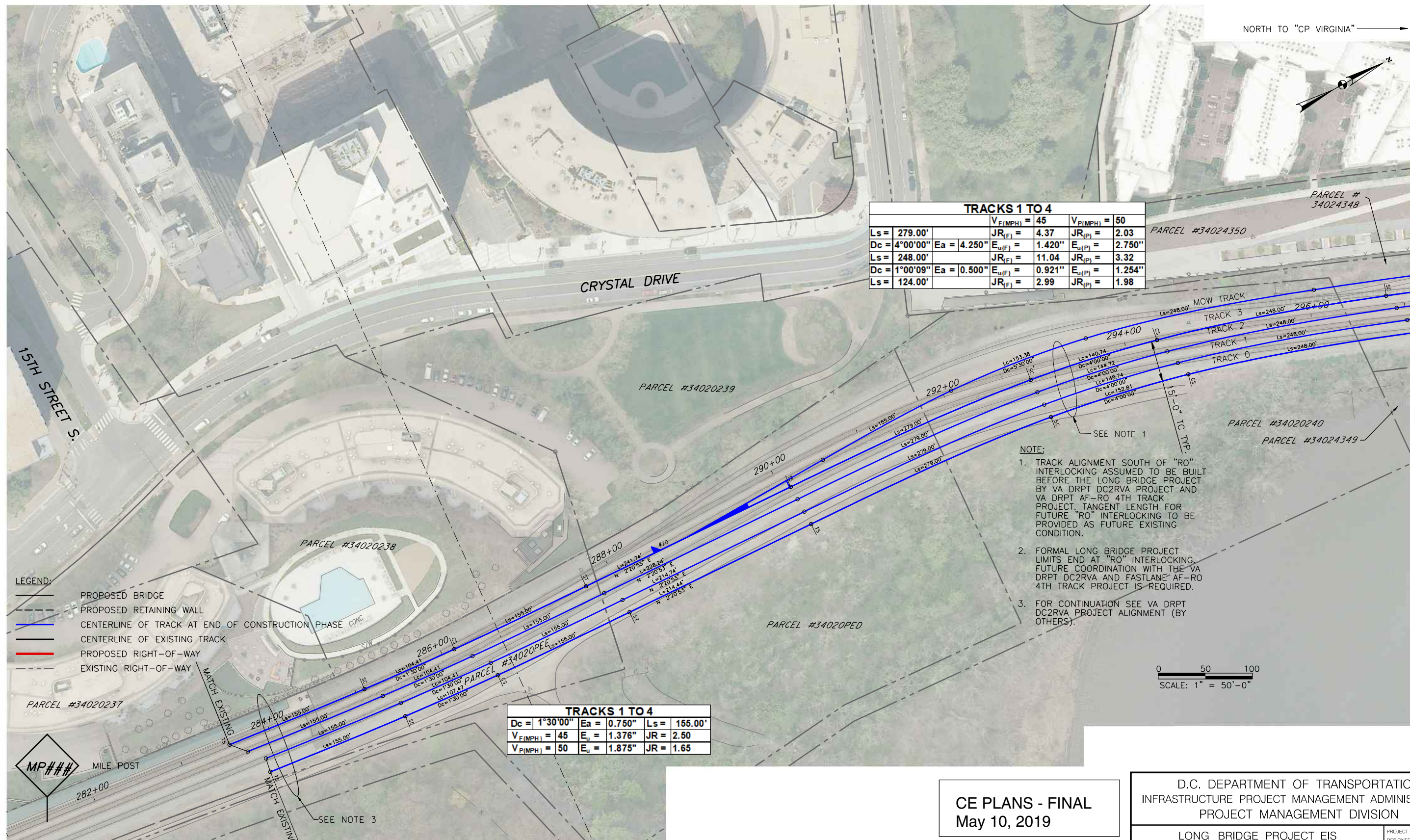
PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____
DIVISION CHIEF
DATE: MARCH 22, 2019
FILE _____
SHEET 3 OF 72



NO.	DESCRIPTION	NAME	DATE

SOUTH TO "AF"

NORTH TO "CP VIRGINIA"

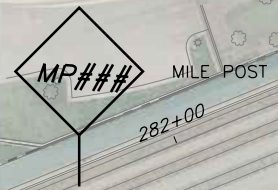
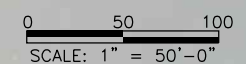


TRACKS 1 TO 4					
$V_{F(MPH)} = 45$	$V_{P(MPH)} = 50$				
$L_s = 279.00'$	$JR_{(F)} = 4.37$	$JR_{(P)} = 2.03$			
$D_c = 4^{\circ}00'00''$	$E_a = 4.250''$	$E_{u(F)} = 1.420''$	$E_{u(P)} = 2.750''$		
$L_s = 248.00'$	$JR_{(F)} = 11.04$	$JR_{(P)} = 3.32$			
$D_c = 1^{\circ}00'09''$	$E_a = 0.500''$	$E_{u(F)} = 0.921''$	$E_{u(P)} = 1.254''$		
$L_s = 124.00'$	$JR_{(F)} = 2.99$	$JR_{(P)} = 1.98$			

- NOTE:
1. TRACK ALIGNMENT SOUTH OF "RO" INTERLOCKING ASSUMED TO BE BUILT BEFORE THE LONG BRIDGE PROJECT BY VA DRPT DC2RVA PROJECT AND VA DRPT AF-RO 4TH TRACK PROJECT. TANGENT LENGTH FOR FUTURE "RO" INTERLOCKING TO BE PROVIDED AS FUTURE EXISTING CONDITION.
 2. FORMAL LONG BRIDGE PROJECT LIMITS END AT "RO" INTERLOCKING. FUTURE COORDINATION WITH THE VA DRPT DC2RVA AND FASTLANE AF-RO 4TH TRACK PROJECT IS REQUIRED.
 3. FOR CONTINUATION SEE VA DRPT DC2RVA PROJECT ALIGNMENT (BY OTHERS).

- LEGEND:
- PROPOSED BRIDGE
 - - - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE CONC
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - - - EXISTING RIGHT-OF-WAY

TRACKS 1 TO 4					
$D_c = 1^{\circ}30'00''$	$E_a = 0.750''$	$L_s = 155.00'$			
$V_{F(MPH)} = 45$	$E_u = 1.376''$	$JR = 2.50$			
$V_{P(MPH)} = 50$	$E_u = 1.875''$	$JR = 1.65$			



CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
FUTURE NO-BUILD (1 OF 9)

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

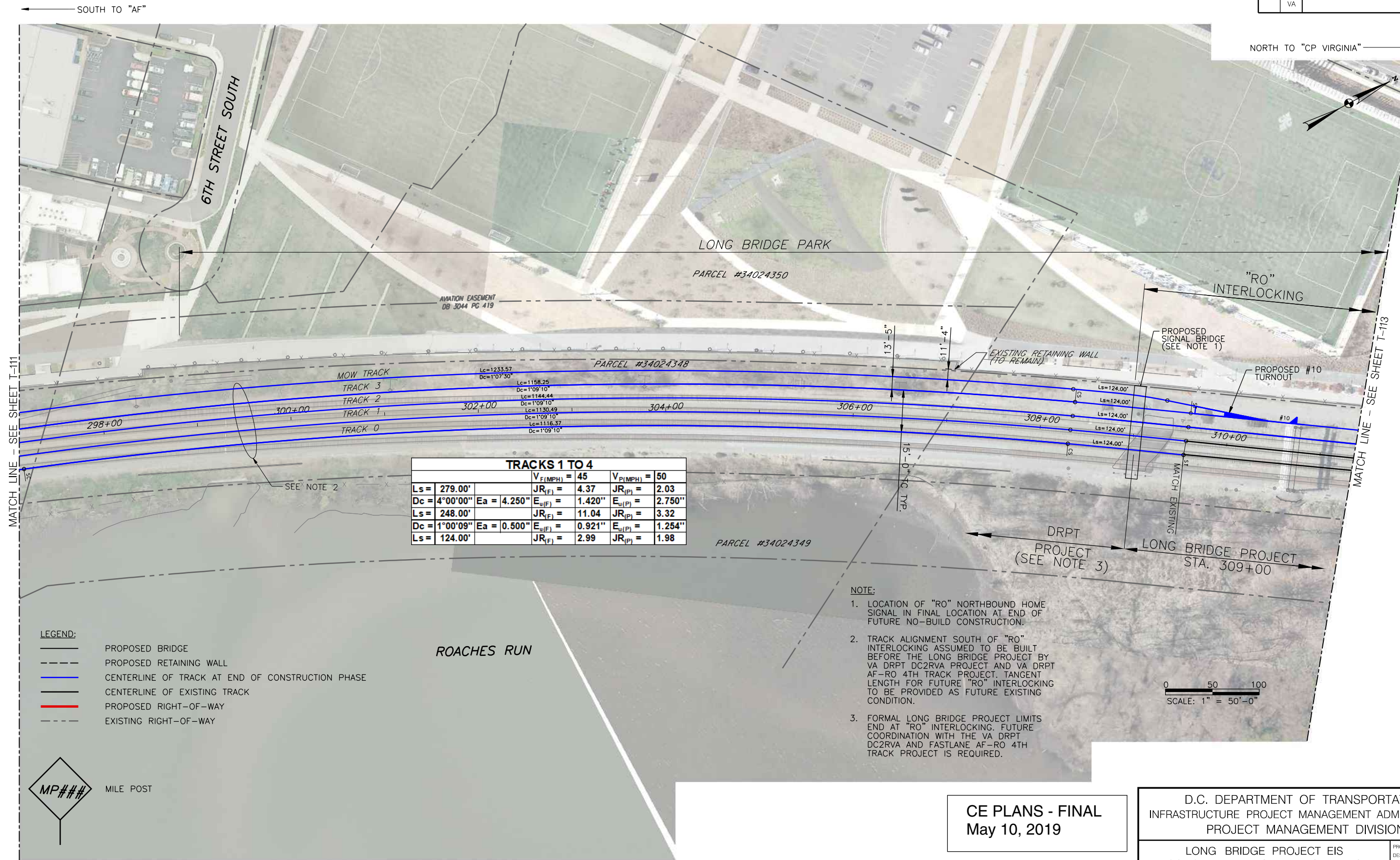
DIVISION CHIEF _____
DATE: MARCH 22, 2019
FILE _____

SHEET 4 OF 72



NO.	DESCRIPTION	NAME	DATE

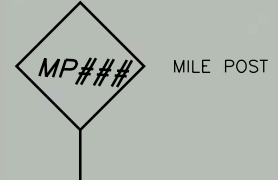
Friday, March 22, 2019 AT 11:29 AM
T-111
kmsccandless



TRACKS 1 TO 4			
		$V_{PI(MPH)} = 45$	$V_{PI(MPH)} = 50$
Ls = 279.00'	Ea = 4.250"	$JR_{(F)} = 4.37$	$JR_{(P)} = 2.03$
Dc = 4'00'00"		$E_{U(F)} = 1.420''$	$E_{U(P)} = 2.750''$
Ls = 248.00'	Ea = 0.500"	$JR_{(F)} = 11.04$	$JR_{(P)} = 3.32$
Dc = 1'00'09"		$E_{U(F)} = 0.921''$	$E_{U(P)} = 1.254''$
Ls = 124.00'		$JR_{(F)} = 2.99$	$JR_{(P)} = 1.98$

- NOTE:**
1. LOCATION OF "RO" NORTHBOUND HOME SIGNAL IN FINAL LOCATION AT END OF FUTURE NO-BUILD CONSTRUCTION.
 2. TRACK ALIGNMENT SOUTH OF "RO" INTERLOCKING ASSUMED TO BE BUILT BEFORE THE LONG BRIDGE PROJECT BY VA DRPT DC2RVA PROJECT AND VA DRPT AF-RO 4TH TRACK PROJECT. TANGENT LENGTH FOR FUTURE "RO" INTERLOCKING TO BE PROVIDED AS FUTURE EXISTING CONDITION.
 3. FORMAL LONG BRIDGE PROJECT LIMITS END AT "RO" INTERLOCKING. FUTURE COORDINATION WITH THE VA DRPT DC2RVA AND FASTLANE AF-RO 4TH TRACK PROJECT IS REQUIRED.

- LEGEND:**
- PROPOSED BRIDGE
 - - - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - - - EXISTING RIGHT-OF-WAY



CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
FUTURE NO-BUILD (2 OF 9)

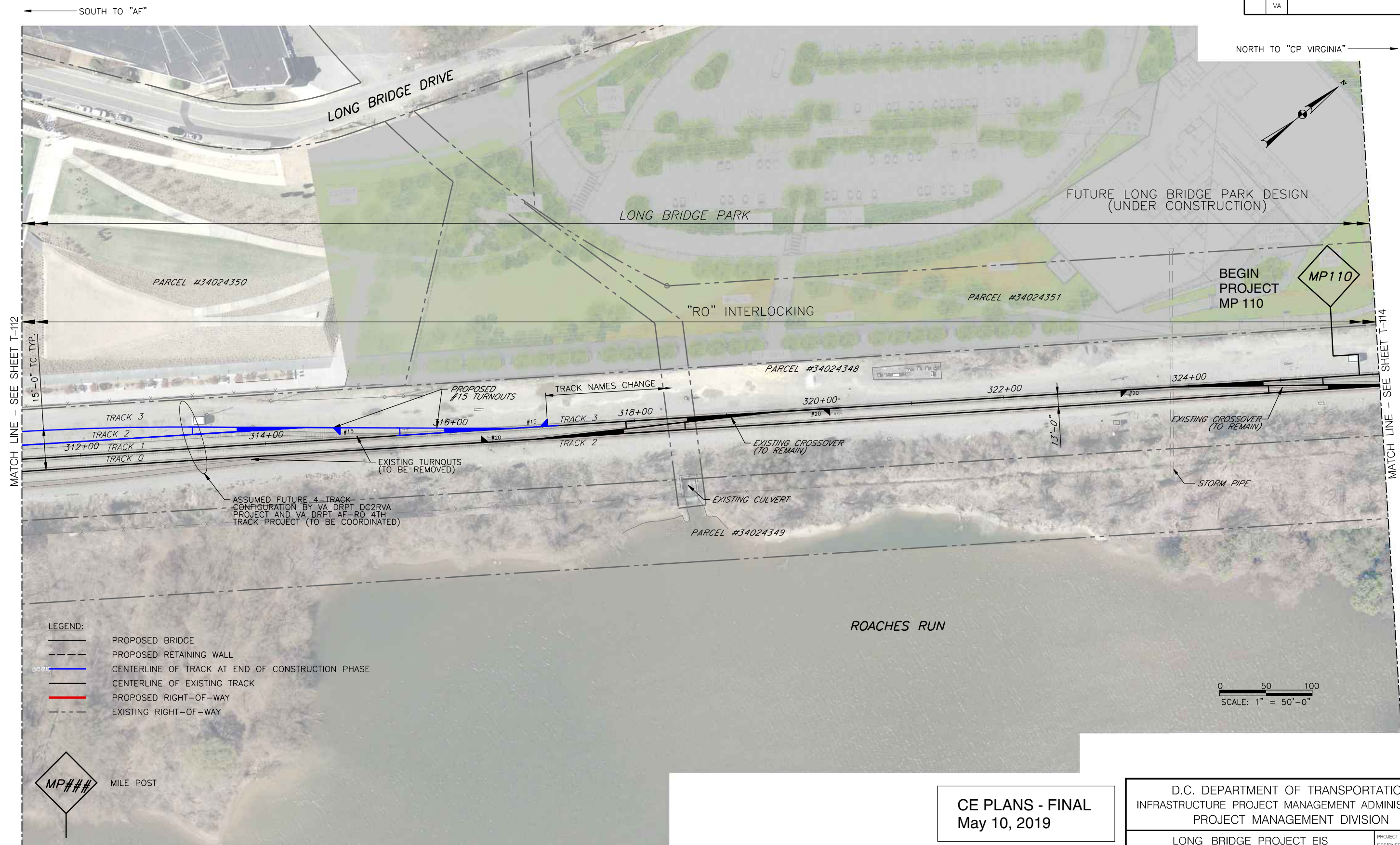
PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____
DIVISION CHIEF _____
DATE: MARCH 22, 2019
FILE _____
SHEET 5 OF 72



NO.	DESCRIPTION	NAME	DATE

T-112 Thursday, March 21, 2019 AT 12:48 PM 12:48 PM kmccandless

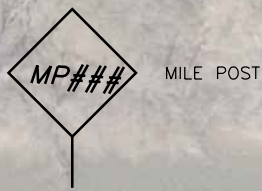
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	VA		T-113	72



MATCH LINE - SEE SHEET T-112

MATCH LINE - SEE SHEET T-114

- LEGEND:**
- PROPOSED BRIDGE
 - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - EXISTING RIGHT-OF-WAY



0 50 100
SCALE: 1" = 50'-0"

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
FUTURE NO-BUILD (3 OF 9)

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

DIVISION CHIEF _____
DATE: MARCH 22, 2019
FILE _____



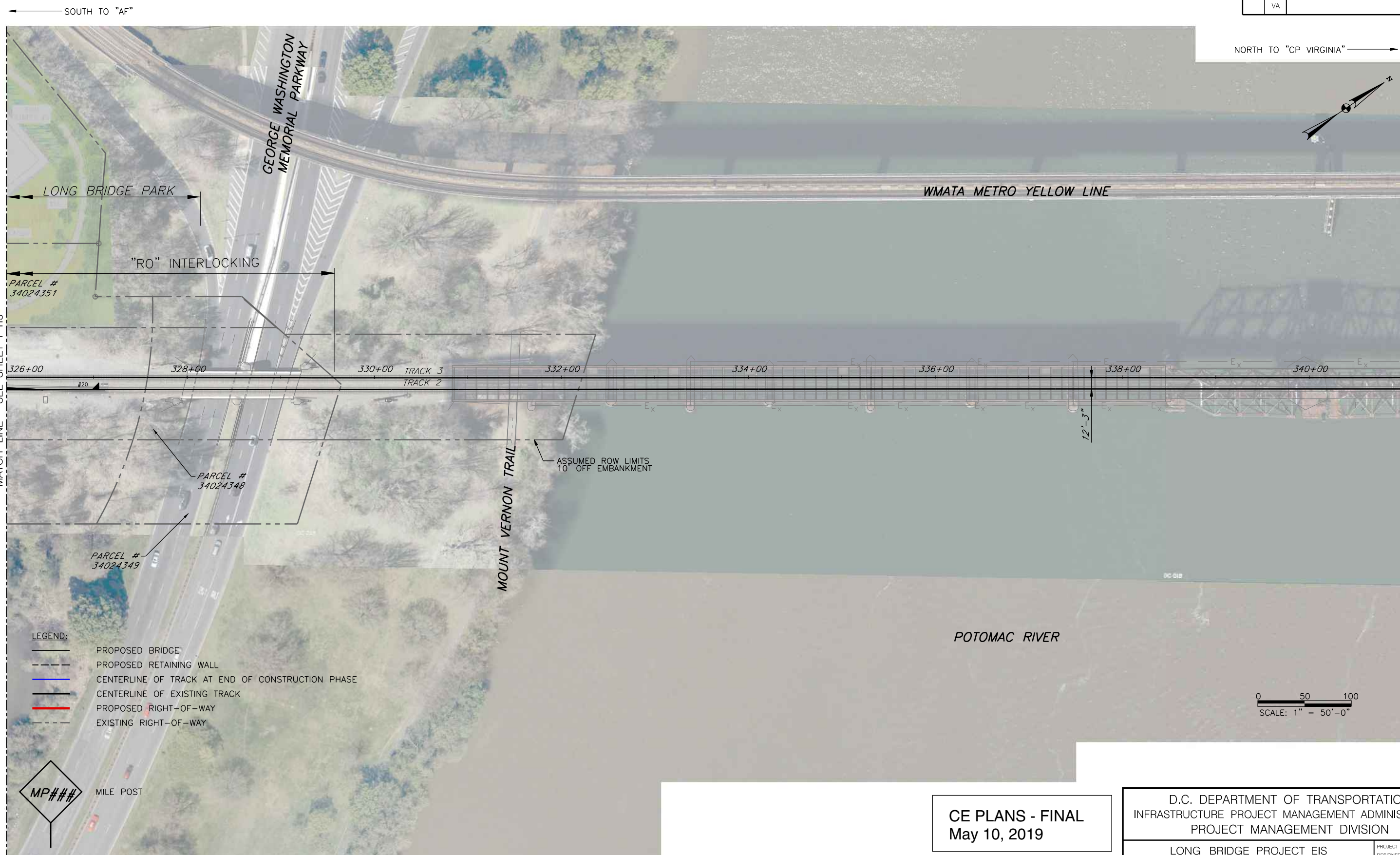
NO.	DESCRIPTION	NAME	DATE

REVISIONS

SHEET 6 OF 72

T-113
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Thursday, March 21, 2019 AT 12:49 PM
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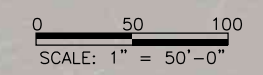
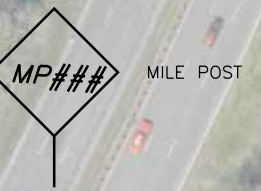
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	VA		T-114	72



MATCH LINE - SEE SHEET T-113

MATCH LINE - SEE SHEET T-115

- LEGEND:**
- PROPOSED BRIDGE
 - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - EXISTING RIGHT-OF-WAY



T-114 Thursday, March 21, 2019 AT 12:49 PM kmccomless

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
FUTURE NO-BUILD (4 OF 9)

PROJECT ENG. _____
DESIGNED BY HNTB
CHECKED BY BDH
DRAWN BY DJS
PROJECT MGR. _____

DIVISION CHIEF _____
DATE MARCH 22, 2019
FILE _____
SHEET 7 OF 72



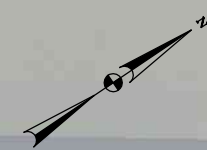
NO.	DESCRIPTION	NAME	DATE

REVISIONS

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-115	72

SOUTH TO "AF" ←

← NORTH TO "CP VIRGINIA"



WMATA METRO YELLOW LINE

MATCH LINE - SEE SHEET T-114

MATCH LINE - SEE SHEET T-116

342+00 344+00 346+00 348+00 TRACK 3 TRACK 2 350+00 352+00 354+00

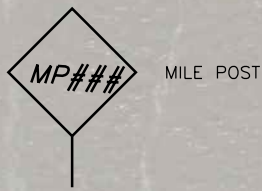
12'-3"

POTOMAC RIVER

- LEGEND:
- PROPOSED BRIDGE
 - - - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - - - EXISTING RIGHT-OF-WAY

0 50 100
SCALE: 1" = 50'-0"

OHIO DRIVE SW



CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
FUTURE NO-BUILD (5 OF 9)

PROJECT ENG. _____
DESIGNED BY HNTB
CHECKED BY BDH
DRAWN BY DJG
PROJECT MGR. _____

DIVISION CHIEF _____
DATE MARCH 22, 2019



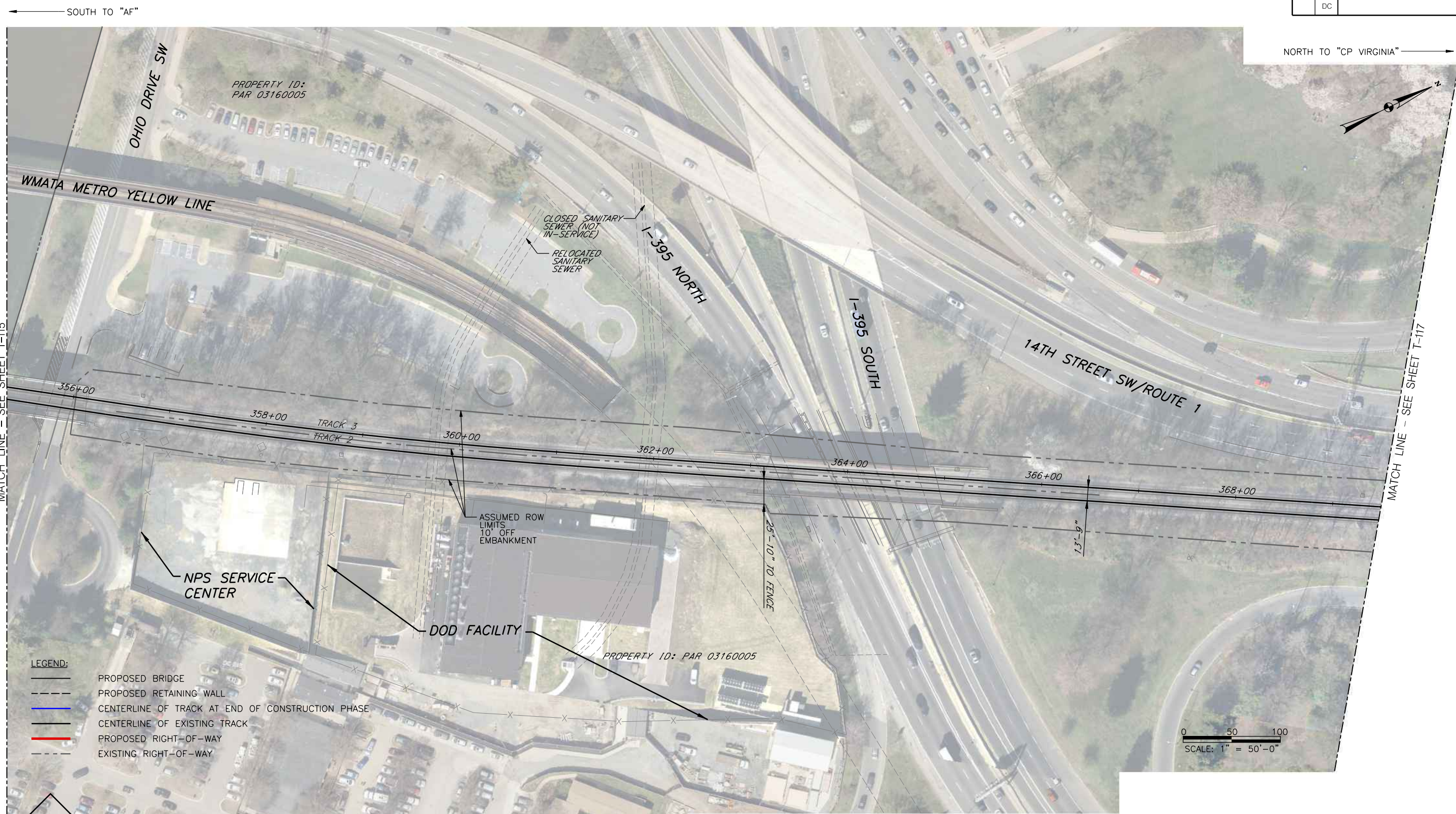
NO.	DESCRIPTION	NAME	DATE

REVISIONS

SHEET 8 OF 72

T-115
Thursday, March 21, 2019 AT 12:49 PM
12:49 PM
kmccomless

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-116	72



MATCH LINE - SEE SHEET T-115

MATCH LINE - SEE SHEET T-117

- LEGEND:**
- PROPOSED BRIDGE
 - - - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - - - EXISTING RIGHT-OF-WAY



CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
FUTURE NO-BUILD (6 OF 9)

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

DIVISION CHIEF _____
DATE: MARCH 22, 2019
FILE _____

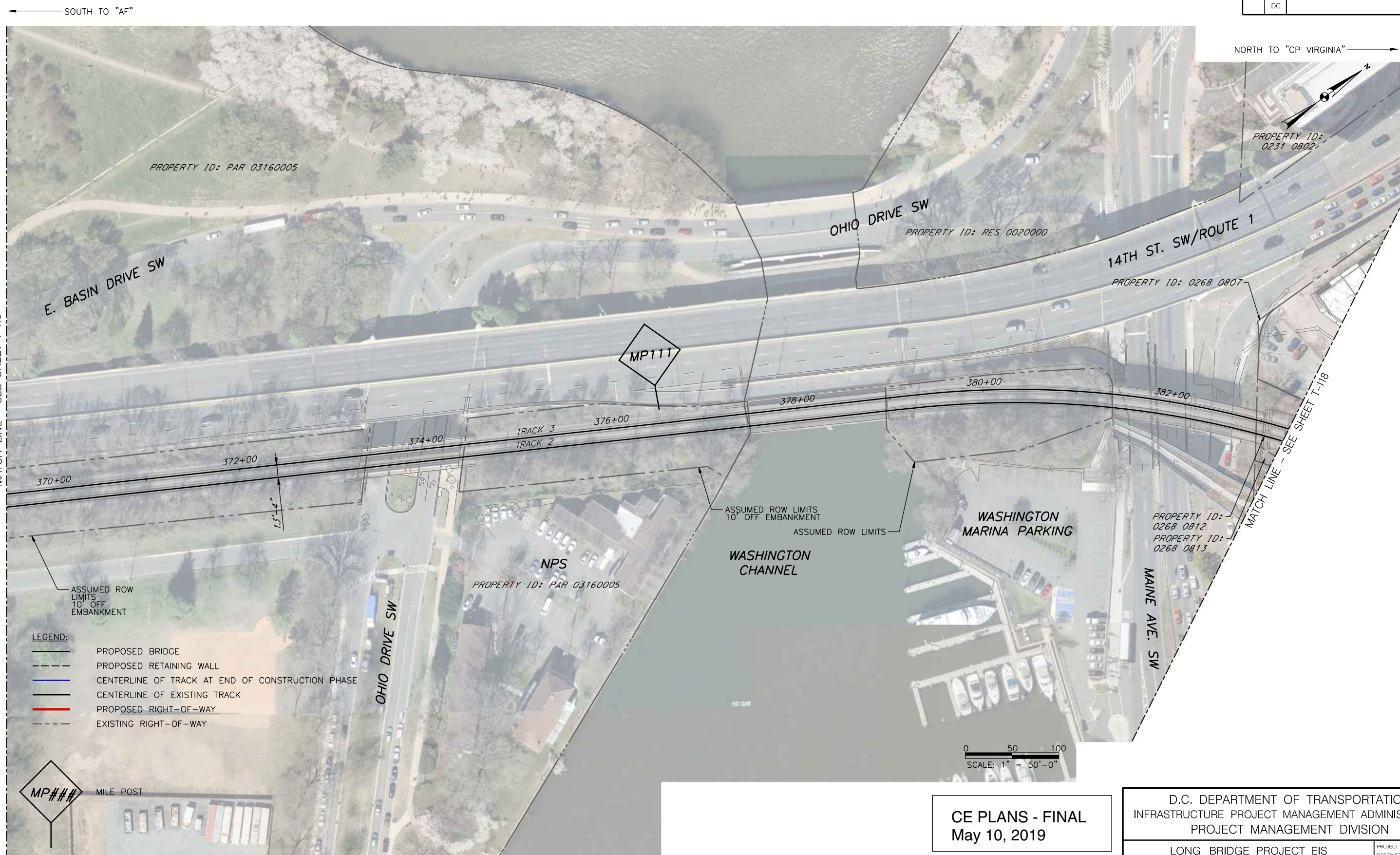
SHEET 9 OF 72



NO.	DESCRIPTION	NAME	DATE

T-116
Thursday, March 21, 2019 AT 12:50 PM
12:50 PM
kmccomless

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-117	72



MATCH LINE - SEE SHEET T-116

MATCH LINE - SEE SHEET T-118

- LEGEND:**
- PROPOSED BRIDGE
 - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - - - EXISTING RIGHT-OF-WAY



0 50 100
SCALE: 1" = 50'-0"

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
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LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
FUTURE NO-BUILD (7 OF 9)

PROJECT ENG. HNTB
DESIGNED BY BDH
DRAWN BY DJS
PROJECT MGR. _____

DIVISION CHIEF _____
DATE MARCH 22, 2019
FILE _____



NO.	DESCRIPTION	NAME	DATE

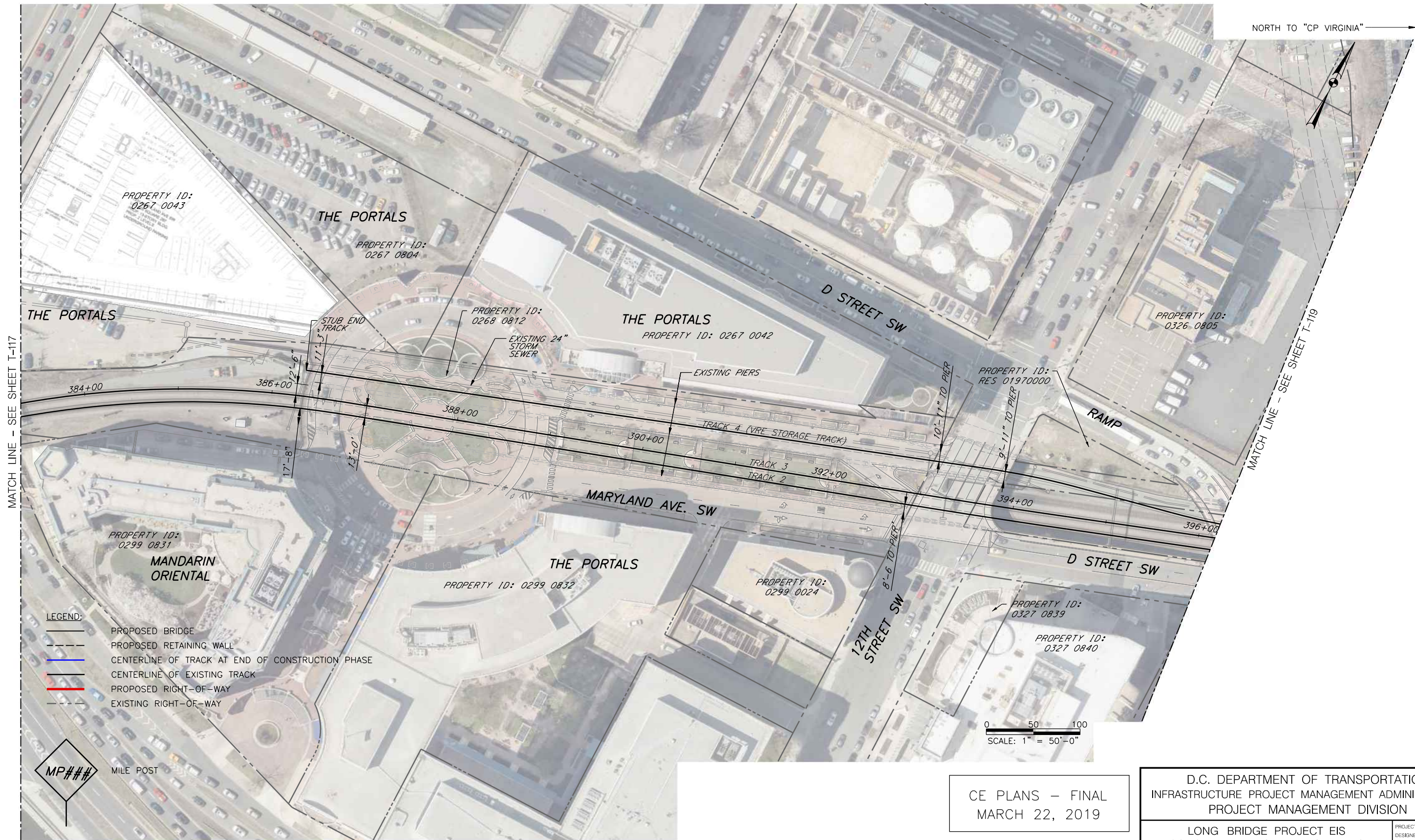
REVISIONS

SHEET 10 OF 72

T-117 Thursday, March 21, 2019 AT 12:50 PM kmccandless

SOUTH TO "AF"

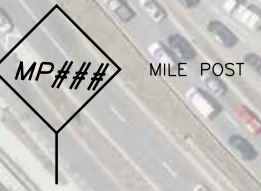
NORTH TO "CP VIRGINIA"



MATCH LINE - SEE SHEET T-117

MATCH LINE - SEE SHEET T-119

- LEGEND:**
- PROPOSED BRIDGE
 - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - EXISTING RIGHT-OF-WAY



CE PLANS - FINAL
MARCH 22, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
FUTURE NO-BUILD (8 OF 9)

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

DIVISION CHIEF _____
DATE: MARCH 22, 2019

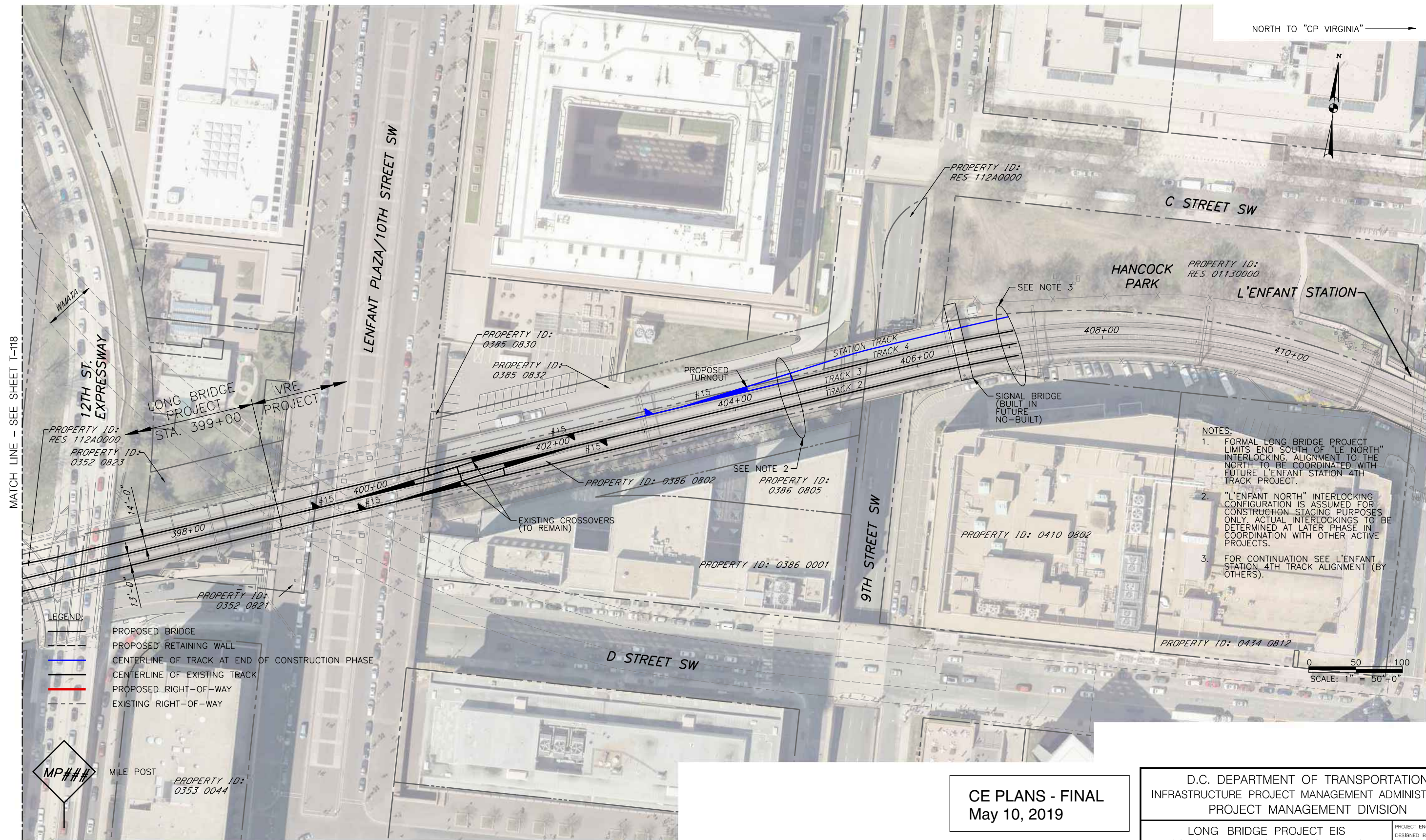
FILE _____
SHEET 11 OF 72

NO.	DESCRIPTION	NAME	DATE



SOUTH TO "AF"

NORTH TO "CP VIRGINIA"



MATCH LINE - SEE SHEET T-118

- NOTES:**
1. FORMAL LONG BRIDGE PROJECT LIMITS END SOUTH OF "LE NORTH" INTERLOCKING. ALIGNMENT TO THE NORTH TO BE COORDINATED WITH FUTURE L'ENFANT STATION 4TH TRACK PROJECT.
 2. "L'ENFANT NORTH" INTERLOCKING CONFIGURATION IS ASSUMED FOR CONSTRUCTION STAGING PURPOSES ONLY. ACTUAL INTERLOCKINGS TO BE DETERMINED AT LATER PHASE IN COORDINATION WITH OTHER ACTIVE PROJECTS.
 3. FOR CONTINUATION SEE L'ENFANT STATION 4TH TRACK ALIGNMENT (BY OTHERS).

- LEGEND:**
- PROPOSED BRIDGE
 - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - EXISTING RIGHT-OF-WAY



MILE POST
PROPERTY ID: 0353 0044

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
FUTURE NO-BUILD (9 OF 9)

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

DIVISION CHIEF _____
DATE: MARCH 22, 2019

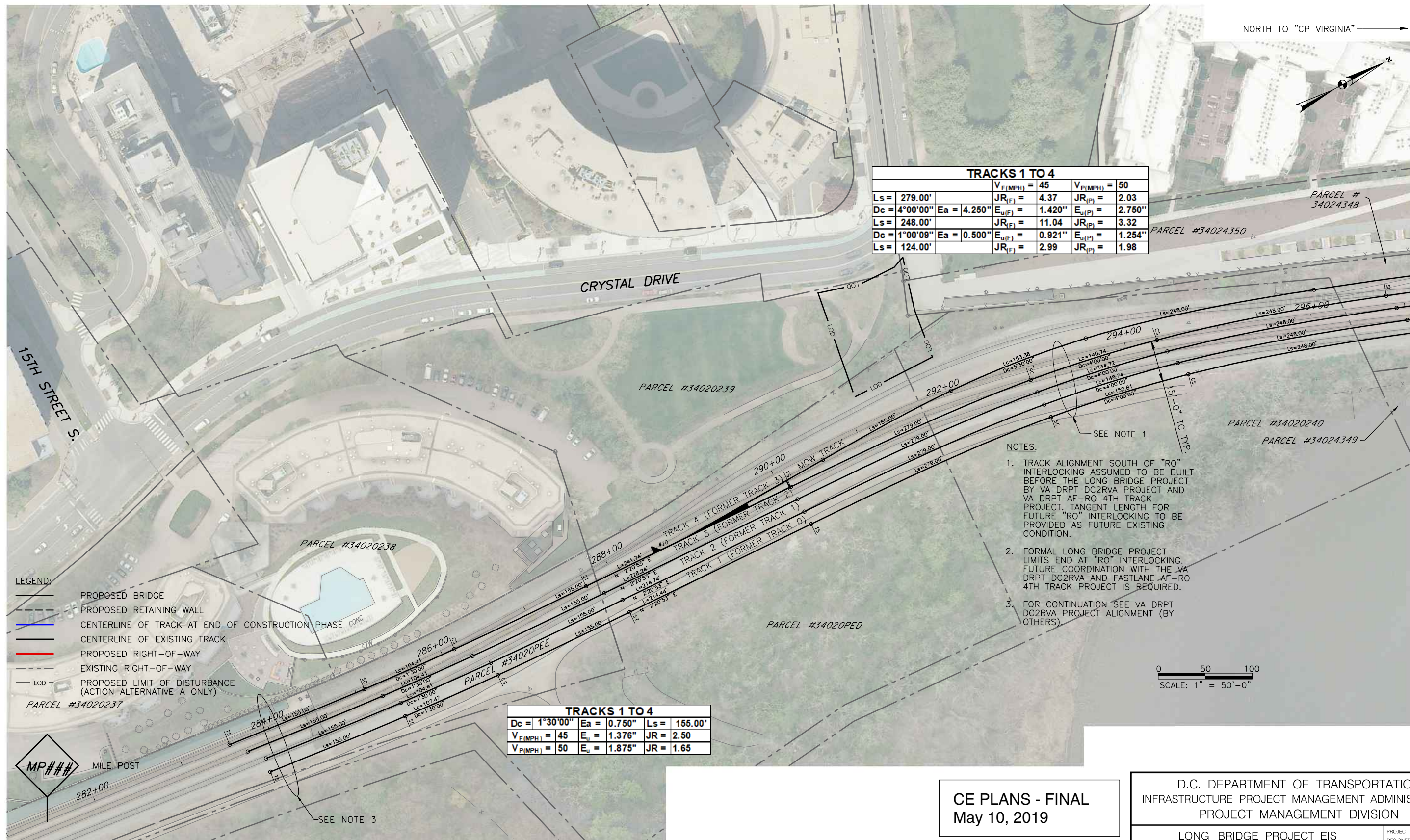
FILE _____
SHEET 12 OF 72



NO.	DESCRIPTION	NAME	DATE

SOUTH TO "AF"

NORTH TO "CP VIRGINIA"

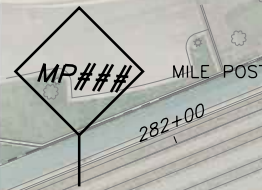
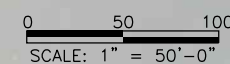


TRACKS 1 TO 4					
	$V_{F(MPH)} = 45$	$V_{P(MPH)} = 50$			
$L_s = 279.00'$	$JR_{(F)} = 4.37$	$JR_{(P)} = 2.03$			
$D_c = 4'00''$	$E_a = 4.250''$	$E_{u(F)} = 1.420''$	$E_{u(P)} = 2.750''$		
$L_s = 248.00'$		$JR_{(F)} = 11.04$	$JR_{(P)} = 3.32$		
$D_c = 1'00''$	$E_a = 0.500''$	$E_{u(F)} = 0.921''$	$E_{u(P)} = 1.254''$		
$L_s = 124.00'$	$JR_{(F)} = 2.99$	$JR_{(P)} = 1.98$			

- NOTES:
1. TRACK ALIGNMENT SOUTH OF "RO" INTERLOCKING ASSUMED TO BE BUILT BEFORE THE LONG BRIDGE PROJECT BY VA DRPT DC2RVA PROJECT AND VA DRPT AF-RO 4TH TRACK PROJECT. TANGENT LENGTH FOR FUTURE "RO" INTERLOCKING TO BE PROVIDED AS FUTURE EXISTING CONDITION.
 2. FORMAL LONG BRIDGE PROJECT LIMITS END AT "RO" INTERLOCKING. FUTURE COORDINATION WITH THE VA DRPT DC2RVA AND FASTLANE AF-RO 4TH TRACK PROJECT IS REQUIRED.
 3. FOR CONTINUATION SEE VA DRPT DC2RVA PROJECT ALIGNMENT (BY OTHERS).

- LEGEND:
- PROPOSED BRIDGE
 - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE CONC
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - EXISTING RIGHT-OF-WAY
 - PROPOSED LIMIT OF DISTURBANCE (ACTION ALTERNATIVE A ONLY)

TRACKS 1 TO 4					
$D_c = 1'30''$	$E_a = 0.750''$	$L_s = 155.00'$			
$V_{F(MPH)} = 45$	$E_u = 1.376''$	$JR = 2.50$			
$V_{P(MPH)} = 50$	$E_u = 1.875''$	$JR = 1.65$			



CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK ALIGNMENT (1 OF 9)

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

DIVISION CHIEF _____
DATE: MARCH 22, 2019
FILE _____

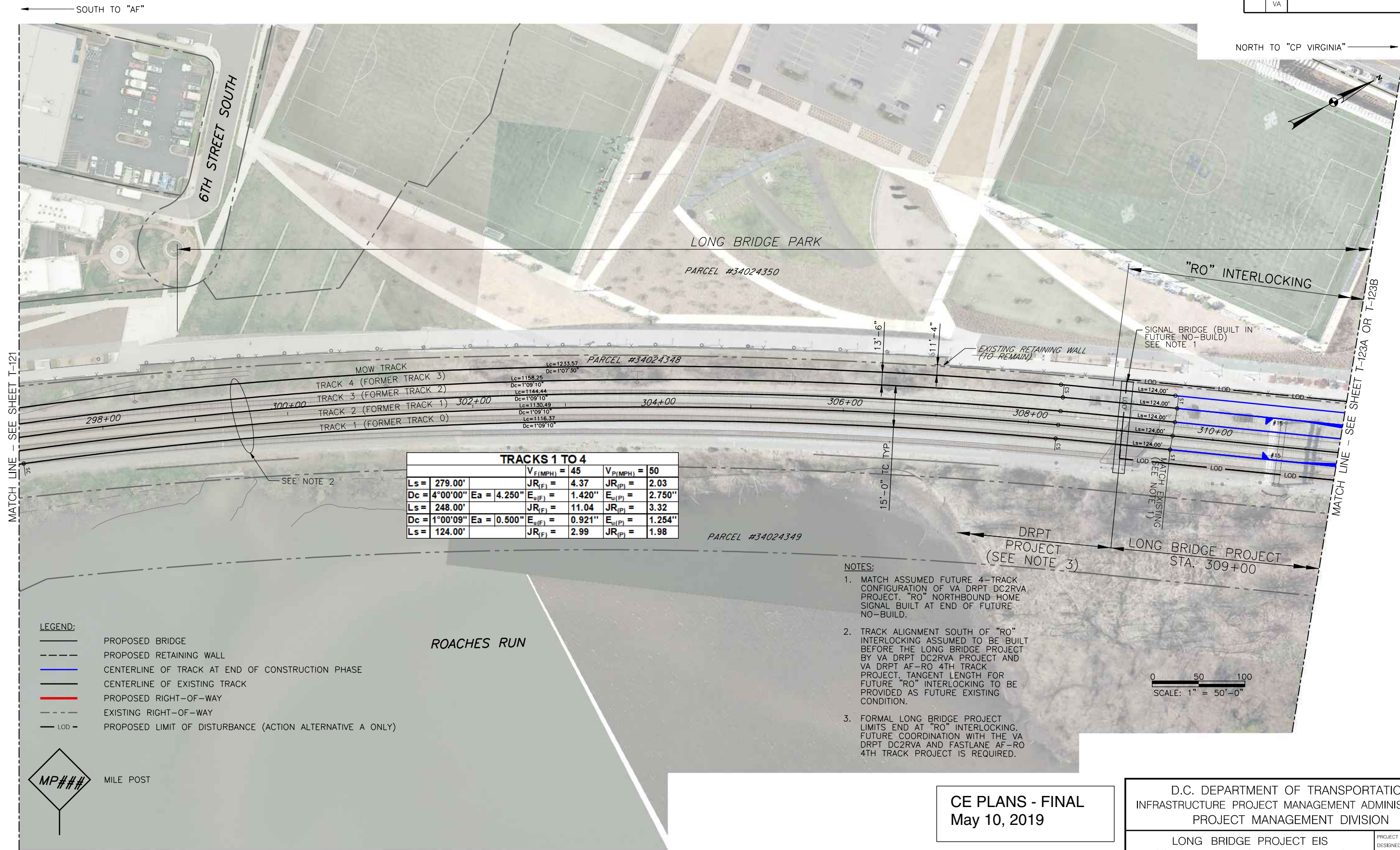


NO.	DESCRIPTION	NAME	DATE

REVISIONS

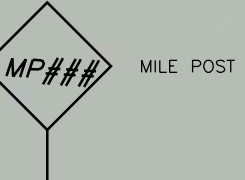
Friday, March 22, 2019 AT 11:30 AM
11:30 AM
T-121
kmsccandless

MATCH LINE - SEE SHEET T-122



TRACKS 1 TO 4			
	$V_{PI(MPH)} = 45$	$V_{PI(MPH)} = 50$	
Ls = 279.00'	JR _(F) = 4.37	JR _(P) = 2.03	
Dc = 4'00'00" Ea = 4.250"	E _(F) = 1.420"	E _(P) = 2.750"	
Ls = 248.00'	JR _(F) = 11.04	JR _(P) = 3.32	
Dc = 1'00'09" Ea = 0.500"	E _(F) = 0.921"	E _(P) = 1.254"	
Ls = 124.00'	JR _(F) = 2.99	JR _(P) = 1.98	

- LEGEND:**
- PROPOSED BRIDGE
 - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - EXISTING RIGHT-OF-WAY
 - PROPOSED LIMIT OF DISTURBANCE (ACTION ALTERNATIVE A ONLY)



- NOTES:**
- MATCH ASSUMED FUTURE 4-TRACK CONFIGURATION OF VA DRPT DC2RVA PROJECT. "RO" NORTHBOUND HOME SIGNAL BUILT AT END OF FUTURE NO-BUILD.
 - TRACK ALIGNMENT SOUTH OF "RO" INTERLOCKING ASSUMED TO BE BUILT BEFORE THE LONG BRIDGE PROJECT BY VA DRPT DC2RVA PROJECT AND VA DRPT AF-RO 4TH TRACK PROJECT. TANGENT LENGTH FOR FUTURE "RO" INTERLOCKING TO BE PROVIDED AS FUTURE EXISTING CONDITION.
 - FORMAL LONG BRIDGE PROJECT LIMITS END AT "RO" INTERLOCKING. FUTURE COORDINATION WITH THE VA DRPT DC2RVA AND FASTLANE AF-RO 4TH TRACK PROJECT IS REQUIRED.

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK ALIGNMENT (2 OF 9)

PROJECT ENG. HNTB
DESIGNED BY BDH
CHECKED BY DJS
DRAWN BY DJS
PROJECT MGR. _____

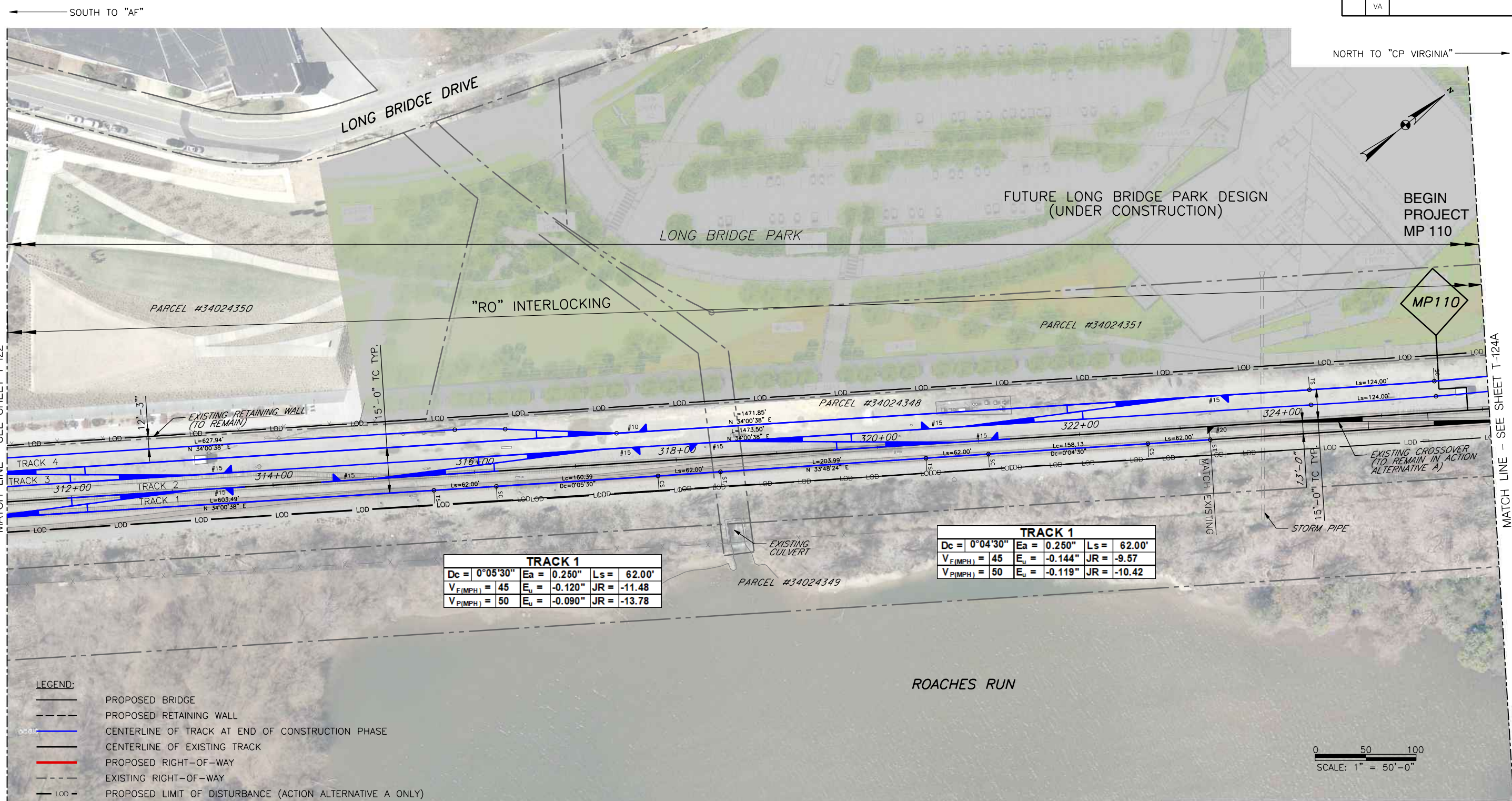
DIVISION CHIEF _____

DATE MARCH 22, 2019

FILE _____
SHEET 14 OF 72



NO.	DESCRIPTION	NAME	DATE



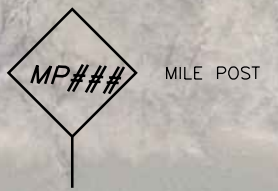
MATCH LINE - SEE SHEET T-122

MATCH LINE - SEE SHEET T-124A

TRACK 1		
Dc = 0°05'30"	Ea = 0.250"	Ls = 62.00'
V _F (MPH) = 45	E _u = -0.120"	JR = -11.48
V _P (MPH) = 50	E _u = -0.090"	JR = -13.78

TRACK 1		
Dc = 0°04'30"	Ea = 0.250"	Ls = 62.00'
V _F (MPH) = 45	E _u = -0.144"	JR = -9.57
V _P (MPH) = 50	E _u = -0.119"	JR = -10.42

- LEGEND:**
- PROPOSED BRIDGE
 - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - EXISTING RIGHT-OF-WAY
 - PROPOSED LIMIT OF DISTURBANCE (ACTION ALTERNATIVE A ONLY)



MILE POST

0 50 100
SCALE: 1" = 50'-0"

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK ALIGNMENT (3 OF 9)
ACTION ALTERNATIVE A ONLY

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

DIVISION CHIEF _____
DATE: MARCH 22, 2019
FILE _____



NO.	DESCRIPTION	NAME	DATE

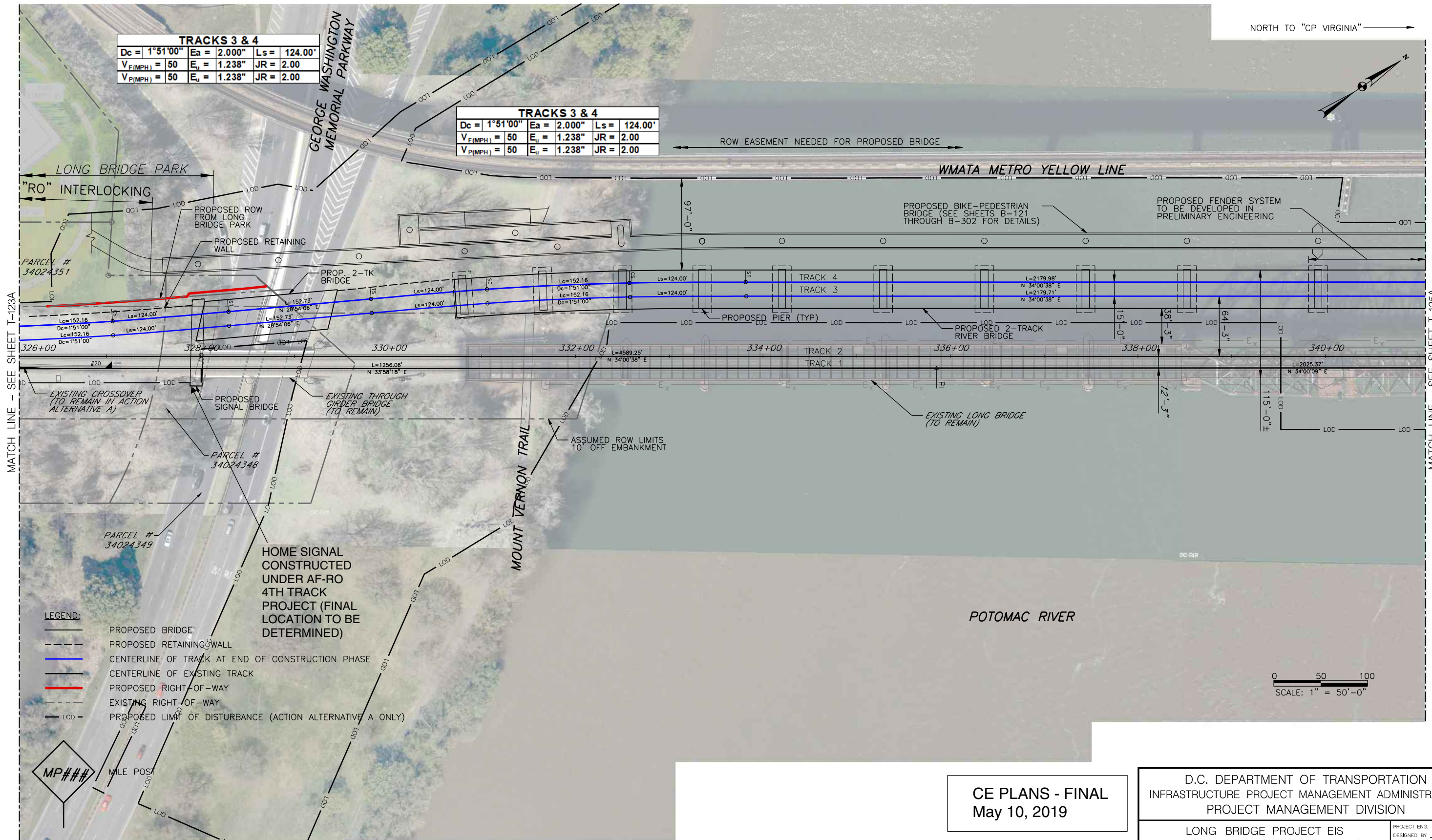
REVISIONS

SOUTH TO "AF"

NORTH TO "CP VIRGINIA"

TRACKS 3 & 4					
Dc = 1°51'00"	Ea = 2.000"	Ls = 124.00'	V _F (MPH) = 50	E _v = 1.238"	JR = 2.00
V _F (MPH) = 50	E _v = 1.238"	JR = 2.00	V _P (MPH) = 50	E _v = 1.238"	JR = 2.00

TRACKS 3 & 4					
Dc = 1°51'00"	Ea = 2.000"	Ls = 124.00'	V _F (MPH) = 50	E _v = 1.238"	JR = 2.00
V _F (MPH) = 50	E _v = 1.238"	JR = 2.00	V _P (MPH) = 50	E _v = 1.238"	JR = 2.00



MATCH LINE - SEE SHEET T-123A

MATCH LINE - SEE SHEET T-125A

- LEGEND:**
- PROPOSED BRIDGE
 - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - EXISTING RIGHT-OF-WAY
 - PROPOSED LIMIT OF DISTURBANCE (ACTION ALTERNATIVE A ONLY)

0 50 100
SCALE: 1" = 50'-0"

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK ALIGNMENT (4 OF 9)
ACTION ALTERNATIVE A ONLY

PROJECT ENG.	HNTB
DESIGNED BY	BDH
DRAWN BY	DJS
PROJECT MGR.	
DIVISION CHIEF	
DATE	MARCH 22, 2019
FILE	
SHEET	16 OF 72



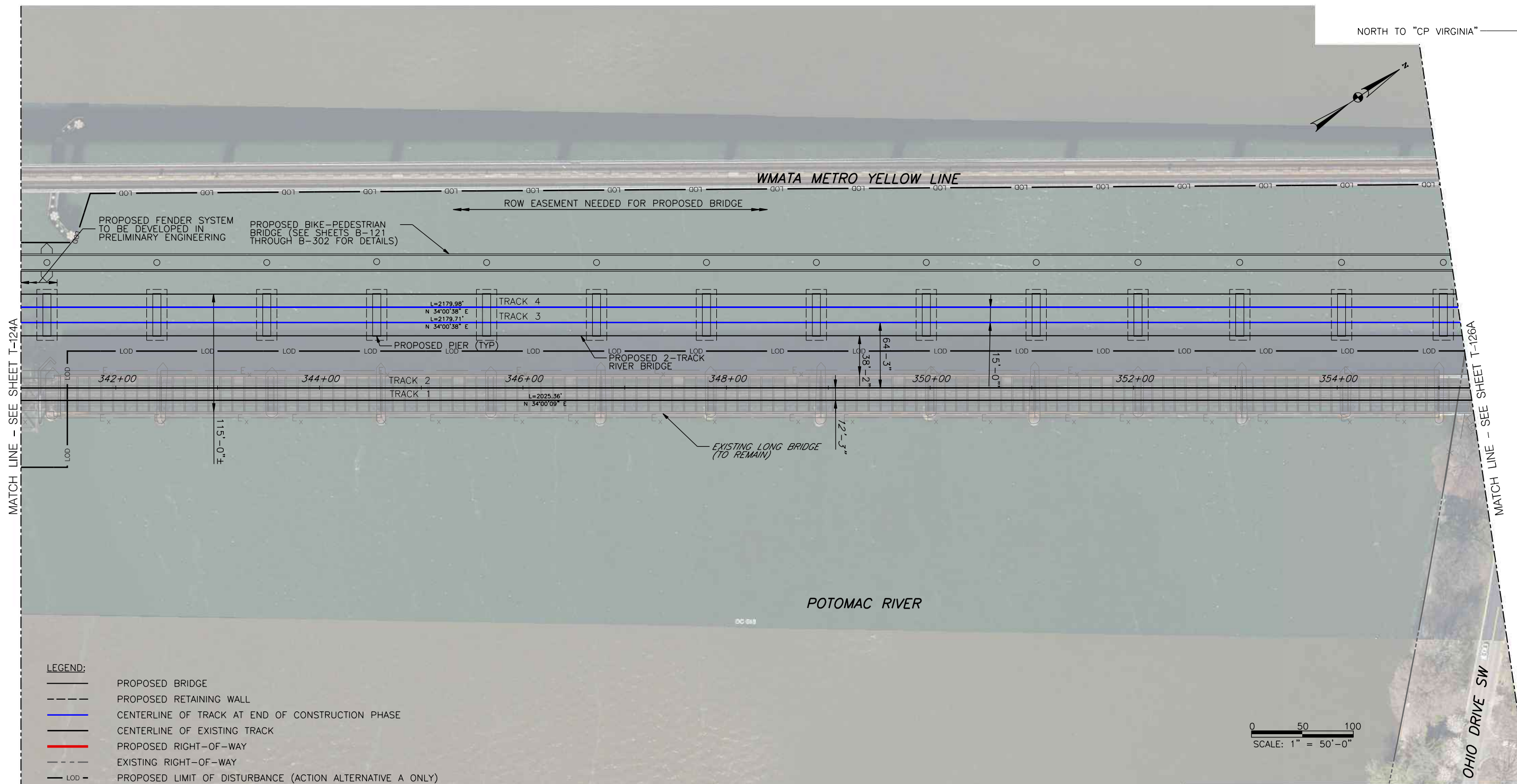
NO.	DESCRIPTION	NAME	DATE

T-124A
Friday, March 22, 2019 AT 11:49 AM
kmsccandless

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-125A	72

SOUTH TO "AF"

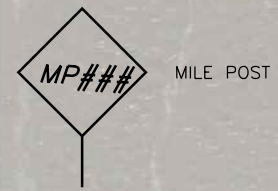
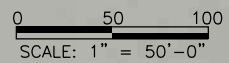
NORTH TO "CP VIRGINIA"



MATCH LINE - SEE SHEET T-124A

MATCH LINE - SEE SHEET T-126A

- LEGEND:**
- PROPOSED BRIDGE
 - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - EXISTING RIGHT-OF-WAY
 - LOD - PROPOSED LIMIT OF DISTURBANCE (ACTION ALTERNATIVE A ONLY)



CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK ALIGNMENT (5 OF 9)
ACTION ALTERNATIVE A ONLY

PROJECT ENG. _____
DESIGNED BY HNTB
CHECKED BY BDH
DRAWN BY DJS
PROJECT MGR. _____
DIVISION CHIEF _____
DATE MARCH 22, 2019
FILE _____
SHEET 17 OF 72

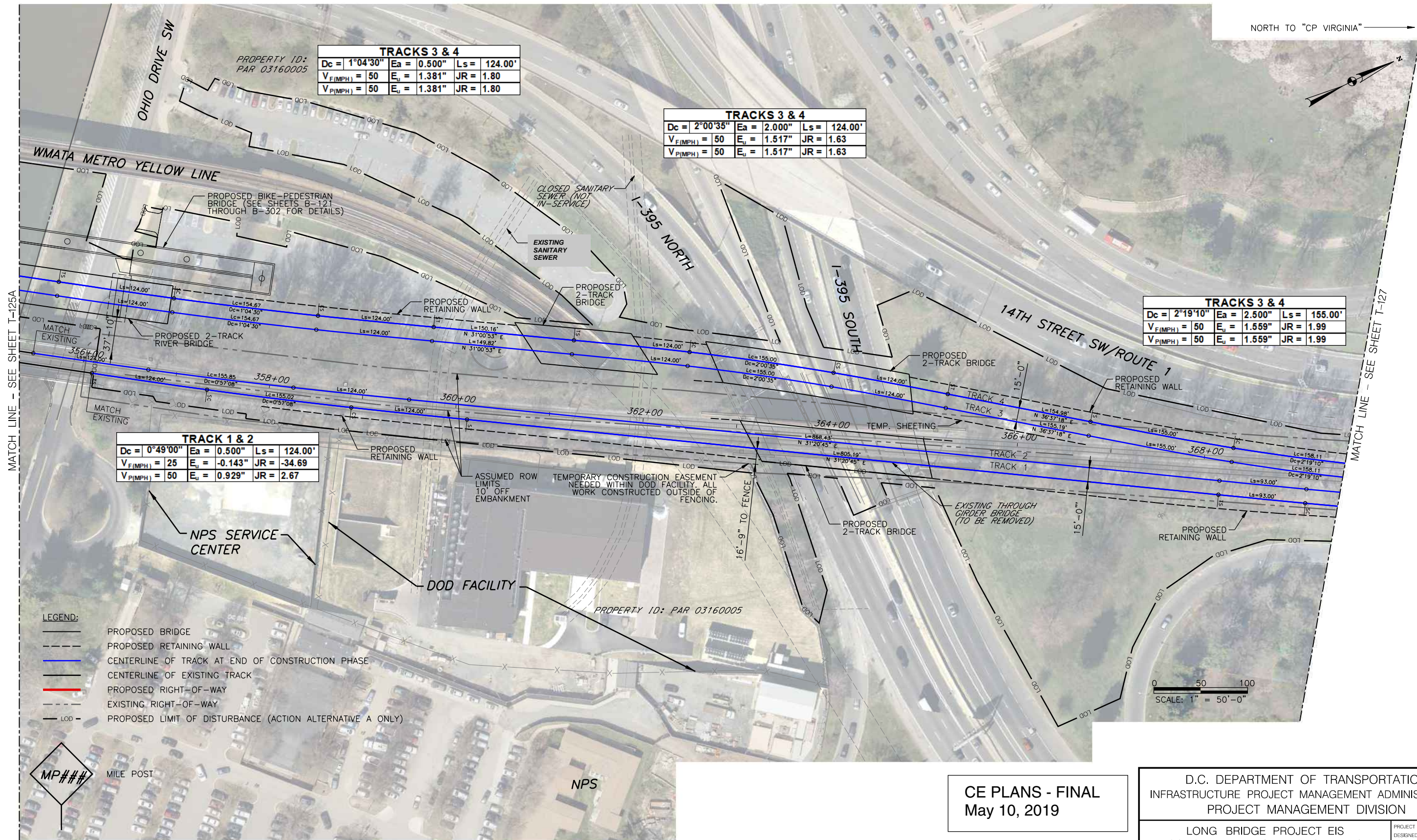


NO.	DESCRIPTION	NAME	DATE

T-125A Friday, March 22, 2019 AT 11:31 AM kmcconless

SOUTH TO "AF"

NORTH TO "CP VIRGINIA"



PROPERTY ID: PAR 03160005

TRACKS 3 & 4	Dc = 1°04'30"	Ea = 0.500"	Ls = 124.00'
V _F (MPH) = 50	E _u = 1.381"	JR = 1.80	
V _P (MPH) = 50	E _u = 1.381"	JR = 1.80	

TRACKS 3 & 4	Dc = 2°00'35"	Ea = 2.000"	Ls = 124.00'
V _F (MPH) = 50	E _u = 1.517"	JR = 1.63	
V _P (MPH) = 50	E _u = 1.517"	JR = 1.63	

TRACKS 3 & 4	Dc = 2°19'10"	Ea = 2.500"	Ls = 155.00'
V _F (MPH) = 50	E _u = 1.559"	JR = 1.99	
V _P (MPH) = 50	E _u = 1.559"	JR = 1.99	

TRACK 1 & 2	Dc = 0°49'00"	Ea = 0.500"	Ls = 124.00'
V _F (MPH) = 25	E _u = -0.143"	JR = -34.69	
V _P (MPH) = 50	E _u = 0.929"	JR = 2.67	

- LEGEND:**
- PROPOSED BRIDGE
 - - - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - - - EXISTING RIGHT-OF-WAY
 - - - LOD - PROPOSED LIMIT OF DISTURBANCE (ACTION ALTERNATIVE A ONLY)



MILE POST

NPS

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK ALIGNMENT (6 OF 9)
ACTION ALTERNATIVE A ONLY

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

DIVISION CHIEF _____
DATE: MARCH 22, 2019
FILE _____
SHEET 18 OF 72



NO.	DESCRIPTION	NAME	DATE
REVISIONS			

T-126A kmcconleyless Friday, March 22, 2019 AT 11:31 AM 11:31 AM

SOUTH TO "AF"

NORTH TO "CP VIRGINIA"

TRACK 3					
	$V_{F(MPH)} = 25$	$V_{P(MPH)} = 30$			
Ls = 155.00'	$JR_{(F)} = 4.48$	$JR_{(P)} = 2.03$			
Dc = 6°01'25"	Ea = 1.250"	$E_{u(F)} = 1.385"$	$E_{u(P)} = 2.545"$		
Ls = 155.00'	$JR_{(F)} = 100.00$	$JR_{(P)} = 14.76$			
Dc = 8°10'00"	Ea = 2.250"	$E_{u(F)} = 1.323"$	$E_{u(P)} = 2.895"$		
Ls = 155.00'	$JR_{(F)} = 4.69$	$JR_{(P)} = 1.78$			

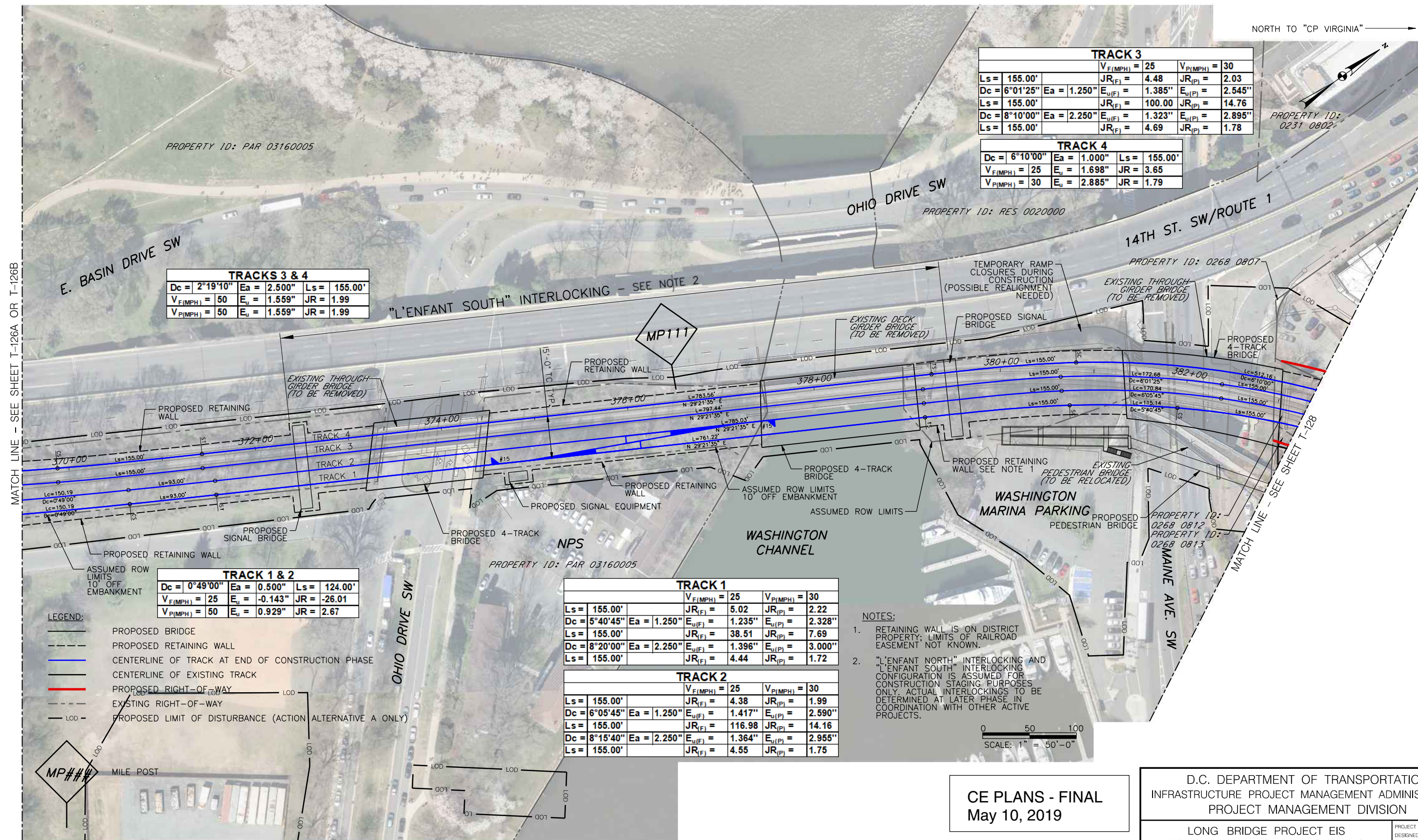
TRACK 4					
Dc = 6°10'00"	Ea = 1.000"	Ls = 155.00'			
$V_{F(MPH)} = 25$	$E_u = 1.698"$	$JR = 3.65$			
$V_{P(MPH)} = 30$	$E_u = 2.885"$	$JR = 1.79$			

TRACKS 3 & 4					
Dc = 2°19'10"	Ea = 2.500"	Ls = 155.00'			
$V_{F(MPH)} = 50$	$E_u = 1.559"$	$JR = 1.99$			
$V_{P(MPH)} = 50$	$E_u = 1.559"$	$JR = 1.99$			

TRACK 1 & 2					
Dc = 0°49'00"	Ea = 0.500"	Ls = 124.00'			
$V_{F(MPH)} = 25$	$E_u = -0.143"$	$JR = -26.01$			
$V_{P(MPH)} = 50$	$E_u = 0.929"$	$JR = 2.67$			

TRACK 1					
	$V_{F(MPH)} = 25$	$V_{P(MPH)} = 30$			
Ls = 155.00'	$JR_{(F)} = 5.02$	$JR_{(P)} = 2.22$			
Dc = 5°40'45"	Ea = 1.250"	$E_{u(F)} = 1.235"$	$E_{u(P)} = 2.328"$		
Ls = 155.00'	$JR_{(F)} = 38.51$	$JR_{(P)} = 7.69$			
Dc = 8°20'00"	Ea = 2.250"	$E_{u(F)} = 1.396"$	$E_{u(P)} = 3.000"$		
Ls = 155.00'	$JR_{(F)} = 4.44$	$JR_{(P)} = 1.72$			

TRACK 2					
	$V_{F(MPH)} = 25$	$V_{P(MPH)} = 30$			
Ls = 155.00'	$JR_{(F)} = 4.38$	$JR_{(P)} = 1.99$			
Dc = 6°05'45"	Ea = 1.250"	$E_{u(F)} = 1.417"$	$E_{u(P)} = 2.590"$		
Ls = 155.00'	$JR_{(F)} = 116.98$	$JR_{(P)} = 14.16$			
Dc = 8°15'40"	Ea = 2.250"	$E_{u(F)} = 1.364"$	$E_{u(P)} = 2.955"$		
Ls = 155.00'	$JR_{(F)} = 4.55$	$JR_{(P)} = 1.75$			



MATCH LINE - SEE SHEET T-126A OR T-126B

MATCH LINE - SEE SHEET T-128

- LEGEND:**
- PROPOSED BRIDGE
 - - - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - - - EXISTING RIGHT-OF-WAY
 - - - LOD - PROPOSED LIMIT OF DISTURBANCE (ACTION ALTERNATIVE A ONLY)

- NOTES:**
- RETAINING WALL IS ON DISTRICT PROPERTY; LIMITS OF RAILROAD EASEMENT NOT KNOWN.
 - "L'ENFANT NORTH" INTERLOCKING AND "L'ENFANT SOUTH" INTERLOCKING CONFIGURATION IS ASSUMED FOR CONSTRUCTION STAGING PURPOSES ONLY. ACTUAL INTERLOCKINGS TO BE DETERMINED AT LATER PHASE IN COORDINATION WITH OTHER ACTIVE PROJECTS.

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK ALIGNMENT (7 OF 9)

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

DIVISION CHIEF _____
DATE: MARCH 22, 2019
FILE _____
SHEET 19 OF 72

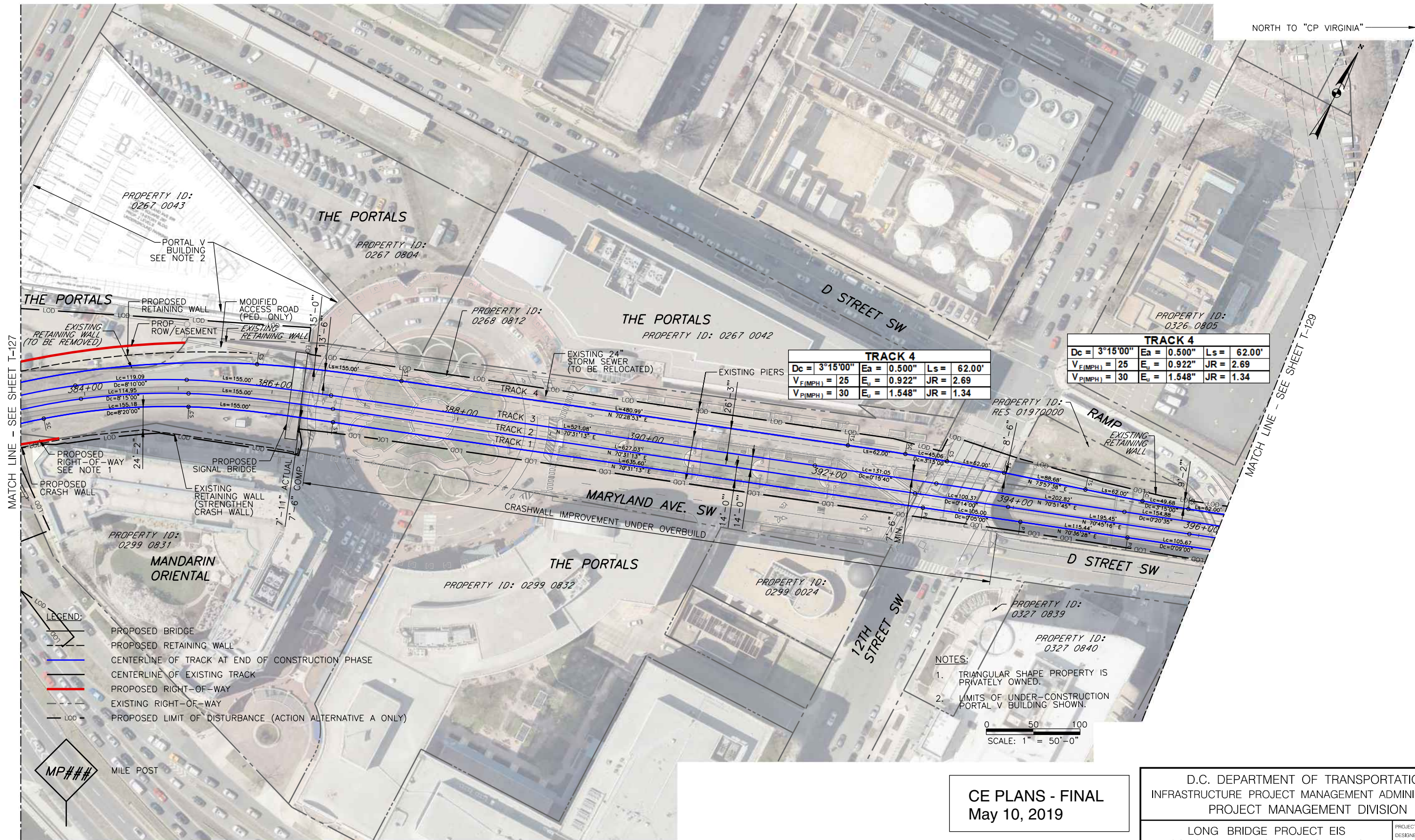


NO.	DESCRIPTION	NAME	DATE

T-127
Friday, March 22, 2019 AT 11:33 AM
kmcconless

SOUTH TO "AF"

NORTH TO "CP VIRGINIA"



TRACK 4					
Dc = 3°15'00"	Ea = 0.500"	Ls = 62.00'			
V _F (MPH) = 25	E _u = 0.922"	JR = 2.69			
V _P (MPH) = 30	E _u = 1.548"	JR = 1.34			

TRACK 4					
Dc = 3°15'00"	Ea = 0.500"	Ls = 62.00'			
V _F (MPH) = 25	E _u = 0.922"	JR = 2.69			
V _P (MPH) = 30	E _u = 1.548"	JR = 1.34			

- NOTES:
1. TRIANGULAR SHAPE PROPERTY IS PRIVATELY OWNED.
 2. LIMITS OF UNDER-CONSTRUCTION PORTAL V BUILDING SHOWN.

0 50 100
SCALE: 1" = 50'-0"

MATCH LINE - SEE SHEET T-127

MATCH LINE - SEE SHEET T-129

Friday, March 22, 2019 AT 11:34 AM

T-128 kmccandless

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK ALIGNMENT (8 OF 9)

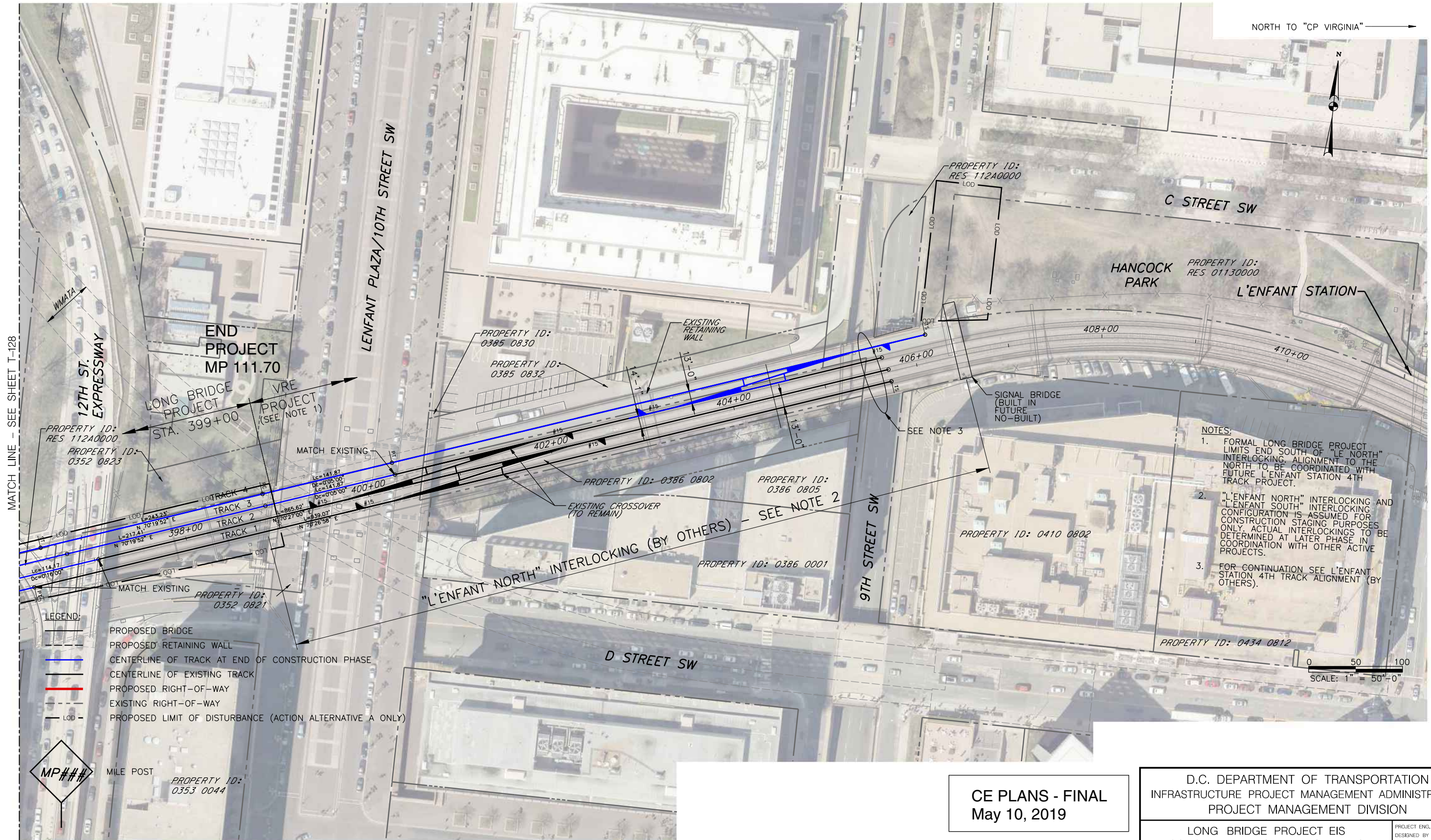


NO.	DESCRIPTION	NAME	DATE

PROJECT ENG.	HNTB
DESIGNED BY	BDH
DRAWN BY	DJS
PROJECT MGR.	
DIVISION CHIEF	
DATE	MARCH 22, 2019
FILE	
SHEET	20 OF 72

SOUTH TO "AF"

NORTH TO "CP VIRGINIA"



MATCH LINE - SEE SHEET T-128

- NOTES:**
1. FORMAL LONG BRIDGE PROJECT LIMITS END SOUTH OF "LE NORTH" INTERLOCKING. ALIGNMENT TO THE NORTH TO BE COORDINATED WITH FUTURE L'ENFANT STATION 4TH TRACK PROJECT.
 2. "L'ENFANT NORTH" INTERLOCKING AND "L'ENFANT SOUTH" INTERLOCKING CONFIGURATION IS ASSUMED FOR CONSTRUCTION STAGING PURPOSES ONLY. ACTUAL INTERLOCKINGS TO BE DETERMINED AT LATER PHASE IN COORDINATION WITH OTHER ACTIVE PROJECTS.
 3. FOR CONTINUATION SEE L'ENFANT STATION 4TH TRACK ALIGNMENT (BY OTHERS).

- LEGEND:**
- PROPOSED BRIDGE
 - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - EXISTING RIGHT-OF-WAY
 - PROPOSED LIMIT OF DISTURBANCE (ACTION ALTERNATIVE A ONLY)



MILE POST
PROPERTY ID: 0353 0044

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK ALIGNMENT (9 OF 9)

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

DIVISION CHIEF _____

DATE: MARCH 22, 2019

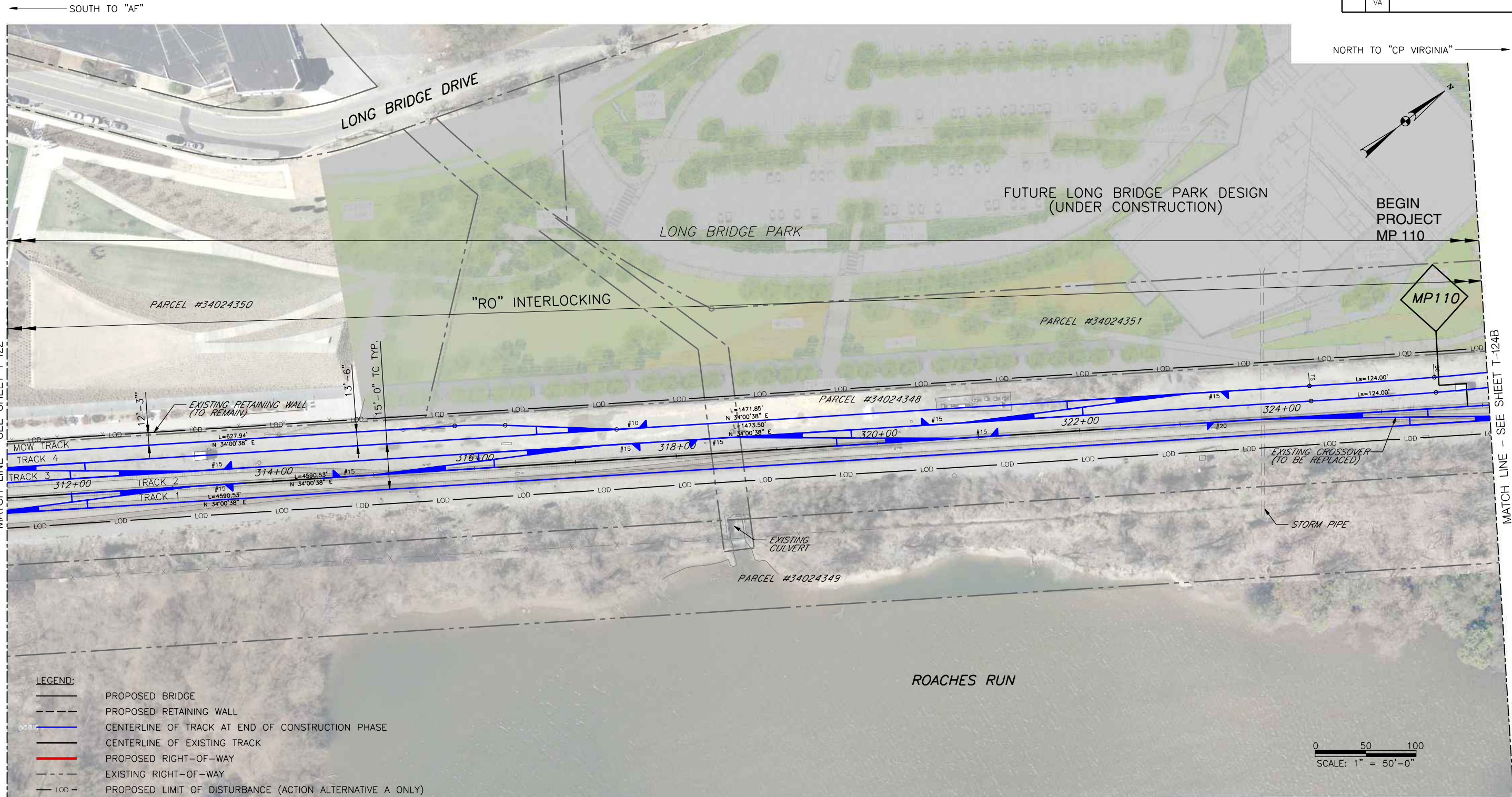
FILE _____
SHEET 21 OF 72



NO.	DESCRIPTION	NAME	DATE

T-129
Thursday, March 21, 2019 AT 12:59 PM
kmcconless

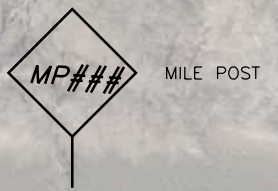
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	VA		T-123B	72



MATCH LINE - SEE SHEET T-122

MATCH LINE - SEE SHEET T-124B

- LEGEND:**
- PROPOSED BRIDGE
 - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - EXISTING RIGHT-OF-WAY
 - PROPOSED LIMIT OF DISTURBANCE (ACTION ALTERNATIVE A ONLY)



CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK ALIGNMENT (1 OF 4)
ACTION ALTERNATIVE B ONLY

PROJECT ENG.	HNTB
DESIGNED BY	HNTB
CHECKED BY	BDH
DRAWN BY	DJS
PROJECT MGR.	
DIVISION CHIEF	
DATE	MARCH 22, 2019
FILE	
SHEET	22 OF 72



NO.	DESCRIPTION	NAME	DATE

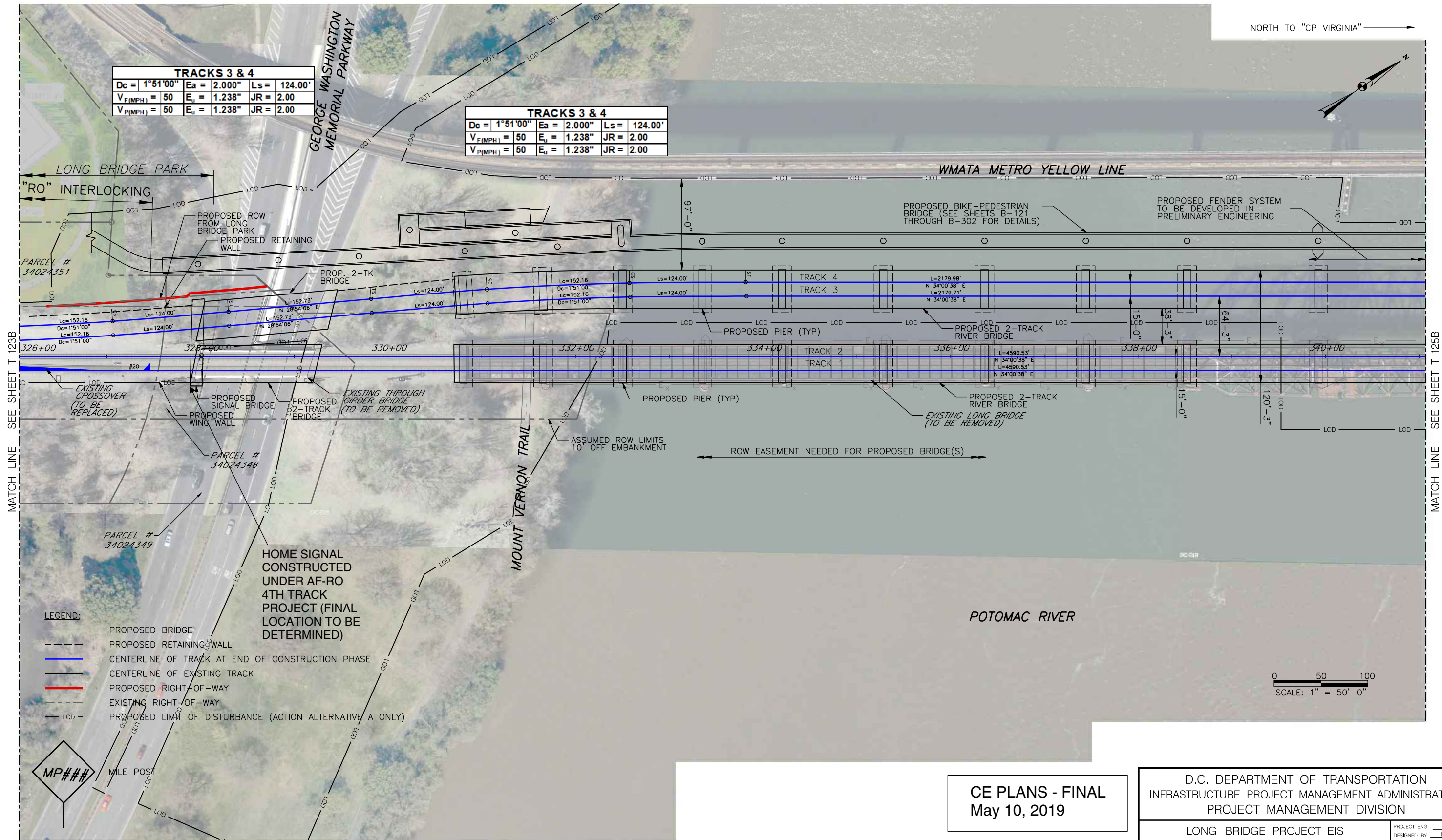
T-123B
kmsccandless
Friday, March 22, 2019 AT 11:38 AM
11:38 AM

SOUTH TO "AF"

NORTH TO "CP VIRGINIA"

TRACKS 3 & 4					
Dc = 1°51'00"	Ea = 2.000"	Ls = 124.00'			
V _F (MPH) = 50	E _u = 1.238"	JR = 2.00			
V _P (MPH) = 50	E _u = 1.238"	JR = 2.00			

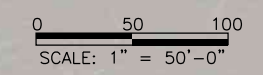
TRACKS 3 & 4					
Dc = 1°51'00"	Ea = 2.000"	Ls = 124.00'			
V _F (MPH) = 50	E _u = 1.238"	JR = 2.00			
V _P (MPH) = 50	E _u = 1.238"	JR = 2.00			



MATCH LINE - SEE SHEET T-123B

MATCH LINE - SEE SHEET T-125B

- LEGEND:**
- PROPOSED BRIDGE
 - - - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - - - EXISTING RIGHT-OF-WAY
 - LOD — PROPOSED LIMIT OF DISTURBANCE (ACTION ALTERNATIVE A ONLY)



Friday, March 22, 2019 AT 11:49 AM

T-124B kmccandless

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK ALIGNMENT (2 OF 4)
ACTION ALTERNATIVE B ONLY

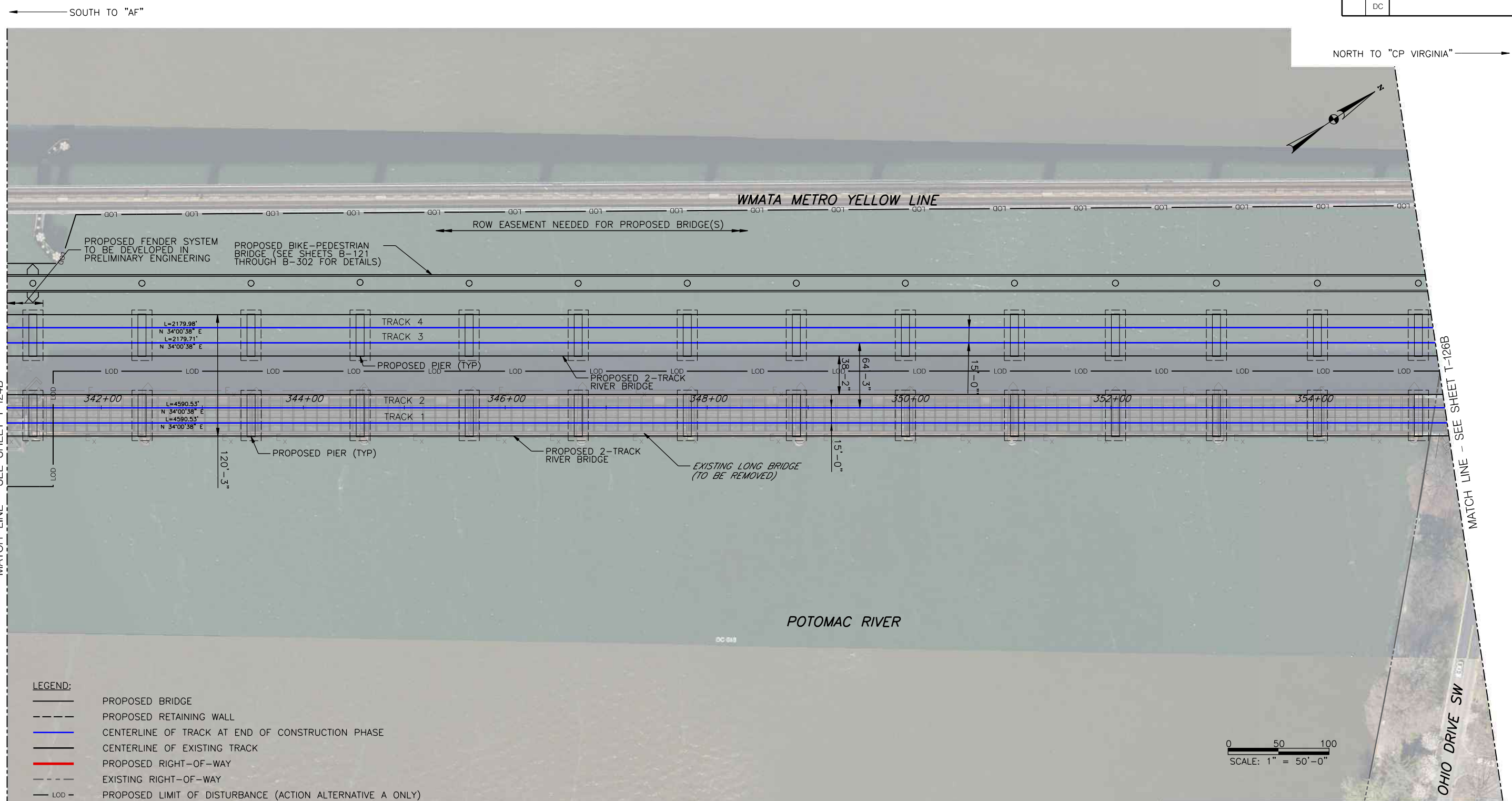
PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____
DIVISION CHIEF _____
DATE: MARCH 22, 2019
FILE _____
SHEET 23 OF 72



NO.	DESCRIPTION	NAME	DATE

REVISIONS

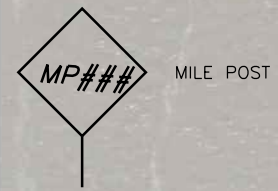
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-125B	72



MATCH LINE - SEE SHEET T-124B

MATCH LINE - SEE SHEET T-126B

- LEGEND:**
- PROPOSED BRIDGE
 - - - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - - - EXISTING RIGHT-OF-WAY
 - - - LOD - PROPOSED LIMIT OF DISTURBANCE (ACTION ALTERNATIVE A ONLY)



CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK ALIGNMENT (3 OF 4)
ACTION ALTERNATIVE B ONLY

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

DIVISION CHIEF _____
DATE: MARCH 22, 2019
FILE _____
SHEET 24 OF 72

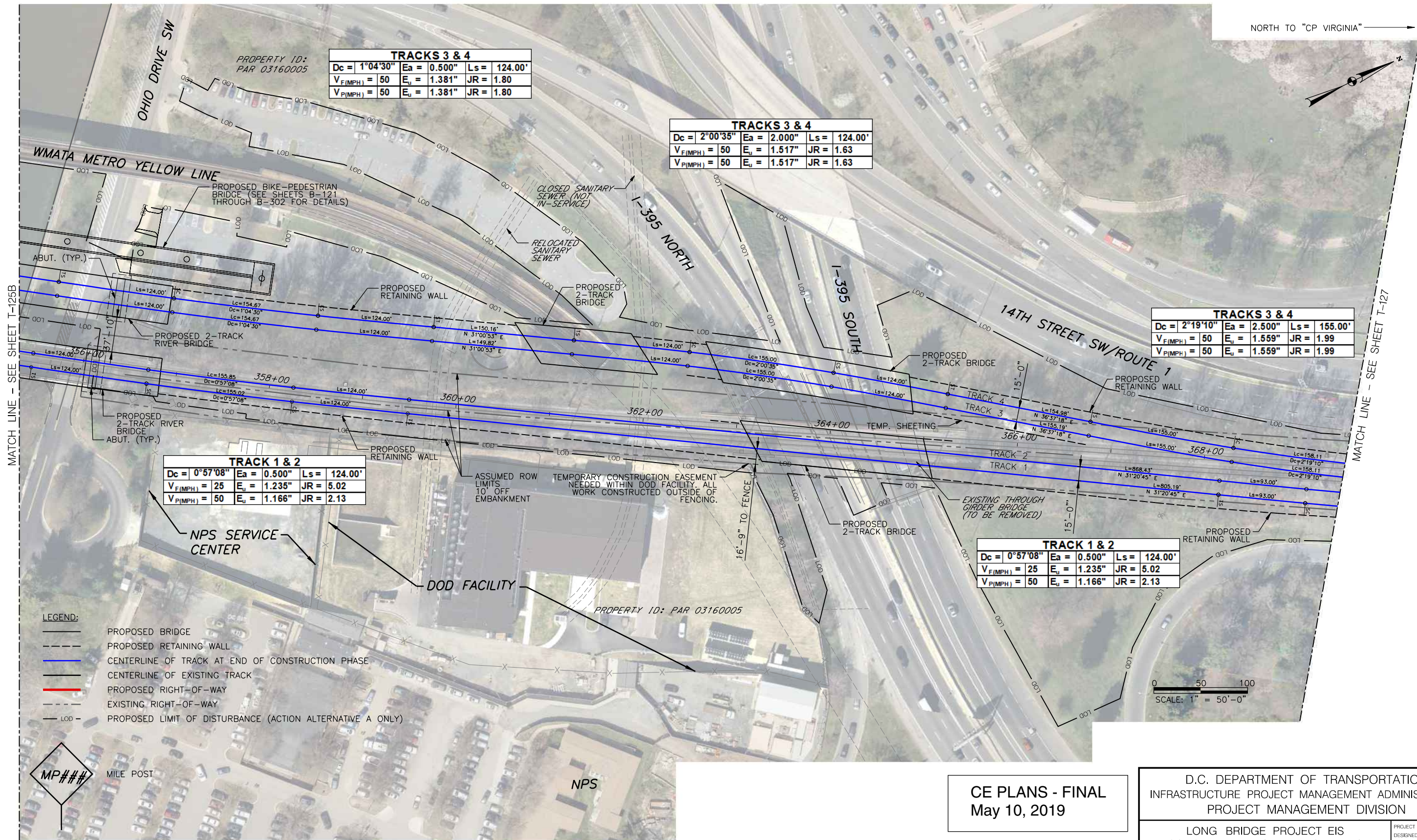


NO.	DESCRIPTION	NAME	DATE

T-125B
Friday, March 22, 2019 AT 11:32 AM
kmcconless

SOUTH TO "AF"

NORTH TO "CP VIRGINIA"



TRACKS 3 & 4

Dc = 1°04'30"	Ea = 0.500"	Ls = 124.00'
V _F (MPH) = 50	E _u = 1.381"	JR = 1.80
V _P (MPH) = 50	E _u = 1.381"	JR = 1.80

TRACKS 3 & 4

Dc = 2°00'35"	Ea = 2.000"	Ls = 124.00'
V _F (MPH) = 50	E _u = 1.517"	JR = 1.63
V _P (MPH) = 50	E _u = 1.517"	JR = 1.63

TRACKS 3 & 4

Dc = 2°19'10"	Ea = 2.500"	Ls = 155.00'
V _F (MPH) = 50	E _u = 1.559"	JR = 1.99
V _P (MPH) = 50	E _u = 1.559"	JR = 1.99

TRACK 1 & 2

Dc = 0°57'08"	Ea = 0.500"	Ls = 124.00'
V _F (MPH) = 25	E _u = 1.235"	JR = 5.02
V _P (MPH) = 50	E _u = 1.166"	JR = 2.13

TRACK 1 & 2

Dc = 0°57'08"	Ea = 0.500"	Ls = 124.00'
V _F (MPH) = 25	E _u = 1.235"	JR = 5.02
V _P (MPH) = 50	E _u = 1.166"	JR = 2.13

MATCH LINE - SEE SHEET T-125B

MATCH LINE - SEE SHEET T-127

- LEGEND:**
- PROPOSED BRIDGE
 - - - PROPOSED RETAINING WALL
 - CENTERLINE OF TRACK AT END OF CONSTRUCTION PHASE
 - CENTERLINE OF EXISTING TRACK
 - PROPOSED RIGHT-OF-WAY
 - - - EXISTING RIGHT-OF-WAY
 - - - LOD - PROPOSED LIMIT OF DISTURBANCE (ACTION ALTERNATIVE A ONLY)



MILE POST

NPS

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK ALIGNMENT (4 OF 4)
ACTION ALTERNATIVE B ONLY

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

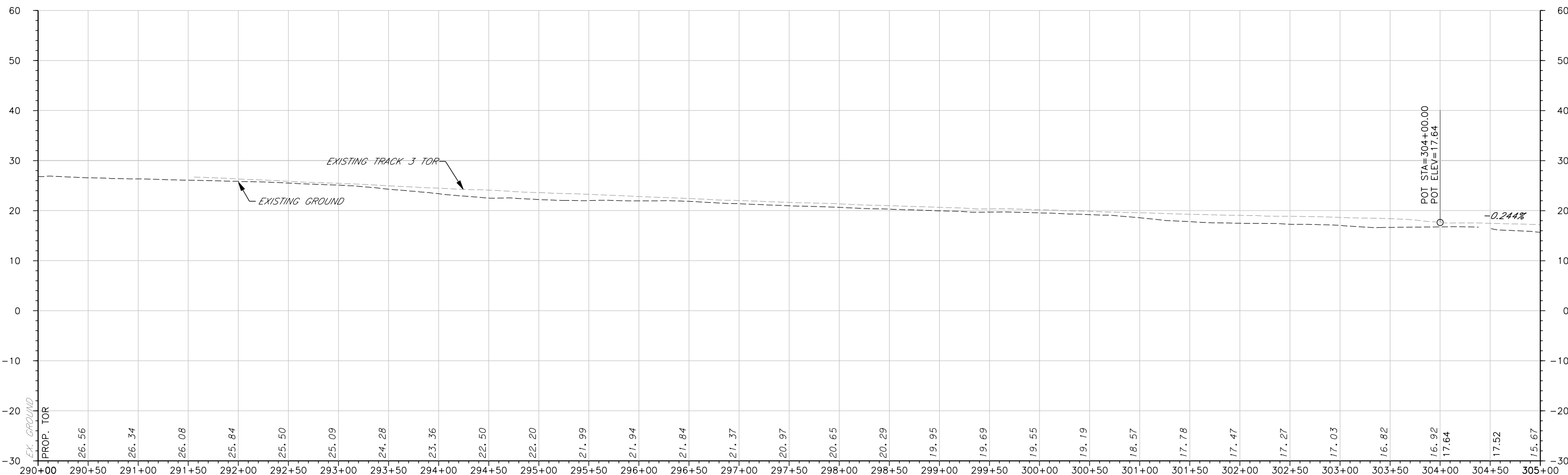
DIVISION CHIEF _____
DATE: MARCH 22, 2019
FILE _____



NO.	DESCRIPTION	NAME	DATE

REVISIONS

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	VA		T-211	72



DESIGN SPEED (SEE NOTE 2)
 ALL TRACKS:
 FREIGHT SPEED = 45 MPH
 PASSENGER SPEED = 50 MPH

ACTION ALTERNATIVE A & B
PROFILE STA. 290+00 TO 305+00

NOTE:

- PGL SHOWN ALONG TRACK 4; PROFILES FOR EACH TRACK TO BE INCLUDED IN PRELIMINARY ENGINEERING.
- SPEED IMPROVEMENTS PLANNED AS PART OF VA DRPT DC2RVA PROJECT AND AF-RO 4TH TRACK PROJECT.

HORIZ: SCALE IN FEET

VERT: SCALE IN FEET

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
 INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
 PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
 CONCEPTUAL ENGINEERING PLANS
 TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
 TRACK PROFILE GRADE LINE (1 OF 8)

PROJECT ENG. _____
 DESIGNED BY: HNTB
 CHECKED BY: BDH
 DRAWN BY: DJS
 PROJECT MGR. _____

DIVISION CHIEF

DATE: MARCH 22, 2019

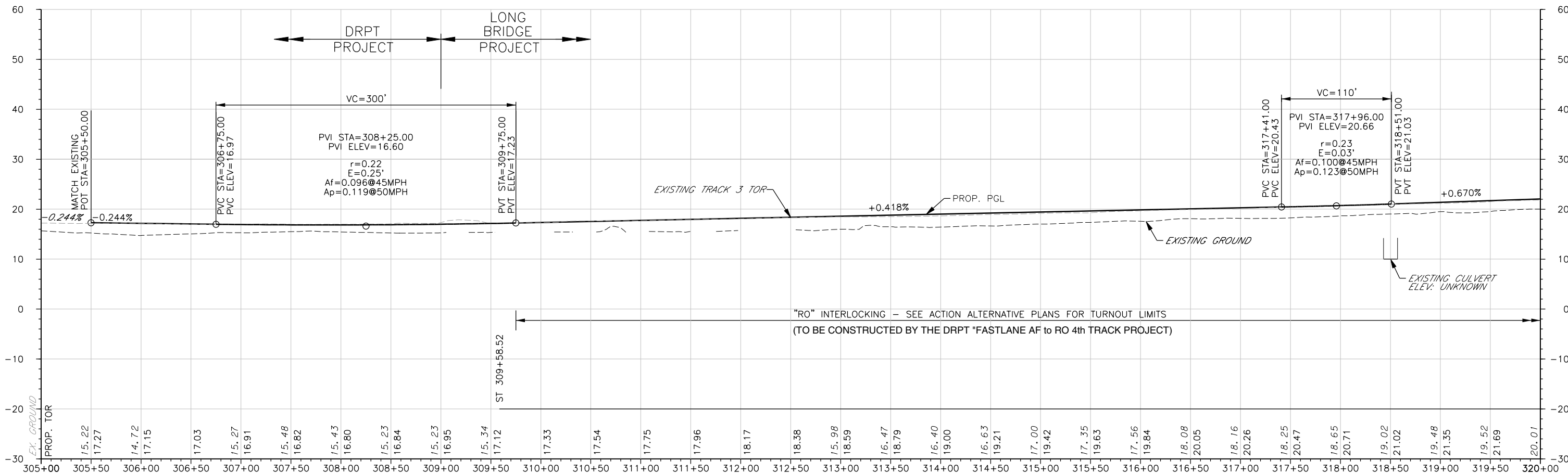
FILE: _____

SHEET 26 OF 72



NO.	DESCRIPTION	NAME	DATE

REVISIONS



DESIGN SPEED (SEE NOTE 2)
ALL TRACKS:
FREIGHT SPEED = 45 MPH
PASSENGER SPEED = 50 MPH

ACTION ALTERNATIVE A & B
PROFILE STA. 305+00 TO 320+00

NOTE:

- PGL SHOWN ALONG TRACK 4; PROFILES FOR EACH TRACK TO BE INCLUDED IN PRELIMINARY ENGINEERING.
- SPEED IMPROVEMENTS PLANNED AS PART OF VA DRPT DC2RVA PROJECT AND AF-RO 4TH TRACK PROJECT.



CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK PROFILE GRADE LINE (2 OF 8)

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

DIVISION CHIEF

DATE: MARCH 22, 2019

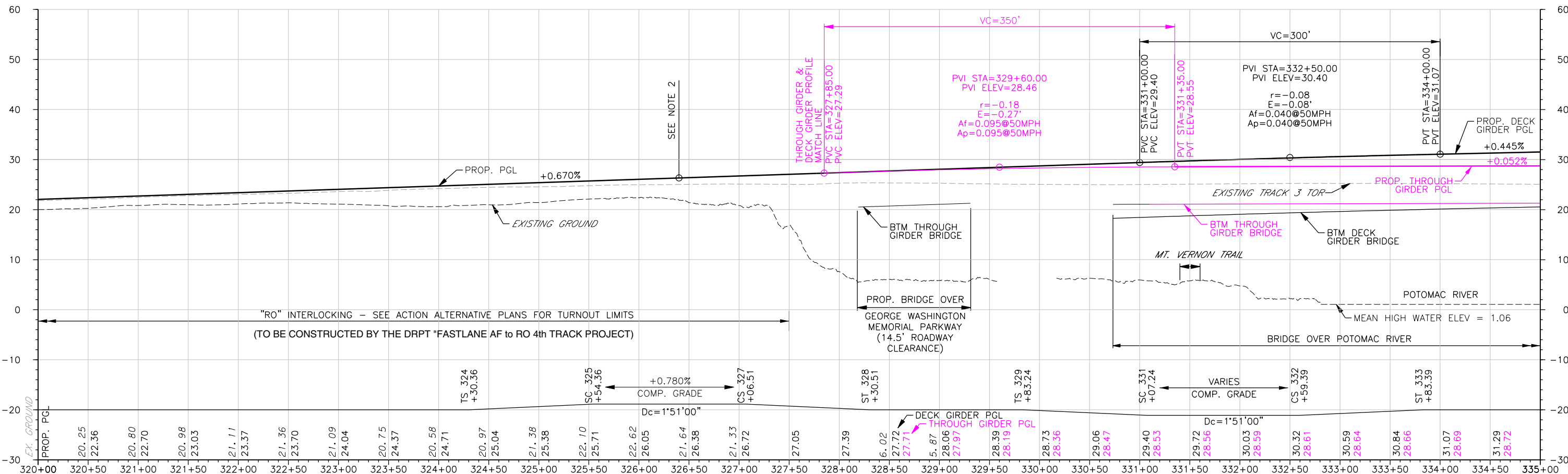
FILE: _____

SHEET 27 OF 72



NO.	DESCRIPTION	NAME	DATE

REVISIONS



DESIGN SPEED
ALL TRACKS:
FREIGHT SPEED = 50 MPH
PASSENGER SPEED = 50 MPH

TRACKS 1 & 2 OVER POTOMAC RIVER FOR ACTION ALTERNATIVE A ONLY:
FREIGHT SPEED = 25 MPH
PASSENGER SPEED = 45 MPH

ACTION ALTERNATIVE A & B PROFILE STA. 320+00 TO 335+00

NOTE:

- PGL SHOWN ALONG TRACK 4; PROFILES FOR EACH TRACK TO BE INCLUDED IN PRELIMINARY ENGINEERING.
- END OF INTERLOCKING FOR TRACKS 1 & 2. BEGIN TRANSITION TO EXISTING PROFILE FOR ACTION ALTERNATIVE A.



CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK PROFILE GRADE LINE (3 OF 8)

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

DIVISION CHIEF _____

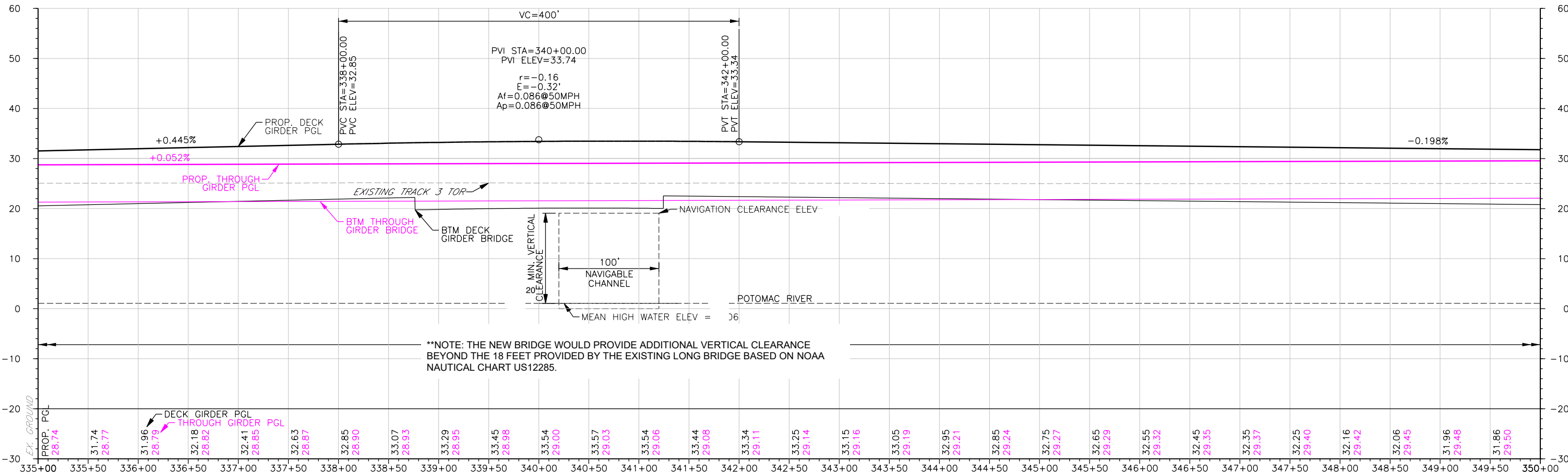
DATE: MARCH 22, 2019

FILE: _____

SHEET 28 OF 72



NO.	DESCRIPTION	NAME	DATE



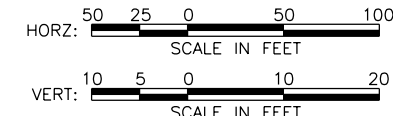
Thursday, March 21, 2019 AT 01:00 PM

DESIGN SPEED
ALL TRACKS:
FREIGHT SPEED = 50 MPH
PASSENGER SPEED = 50 MPH

TRACKS 1 & 2 OVER POTOMAC RIVER FOR ACTION ALTERNATIVE A ONLY:
FREIGHT SPEED = 25 MPH
PASSENGER SPEED = 45 MPH

ACTION ALTERNATIVE A & B PROFILE STA. 335+00 TO 350+00

NOTE:
1. PGL SHOWN ALONG TRACK 4; PROFILES FOR EACH TRACK TO BE INCLUDED IN PRELIMINARY ENGINEERING.

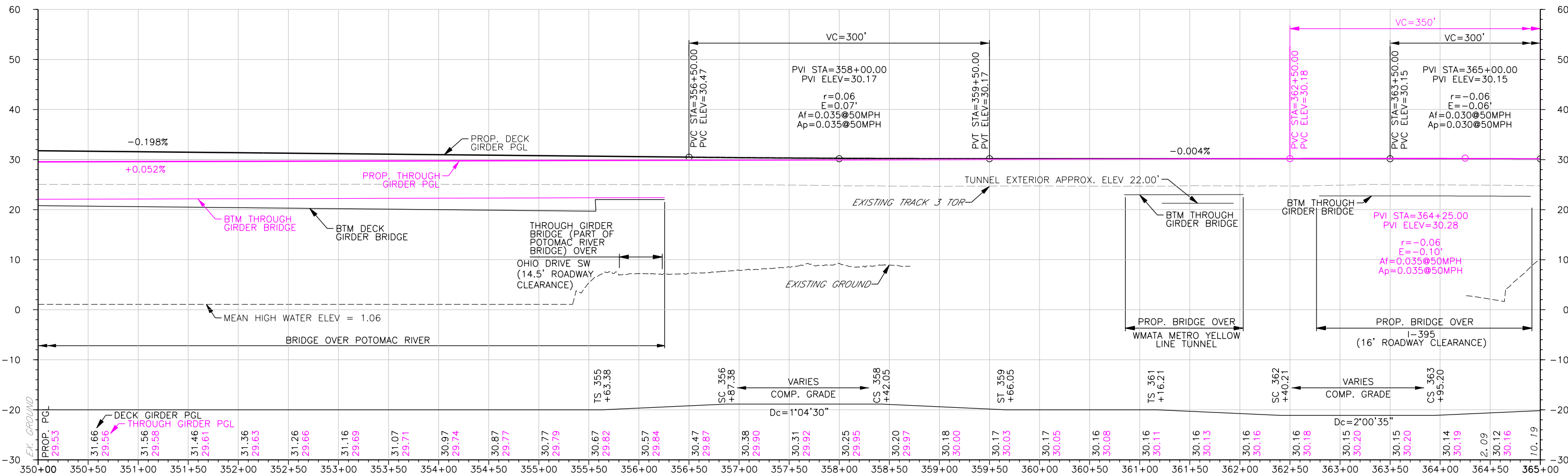


CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION PROJECT MANAGEMENT DIVISION	
LONG BRIDGE PROJECT EIS CONCEPTUAL ENGINEERING PLANS TRACK ALIGNMENTS	PROJECT ENG. _____ DESIGNED BY: <u>HNTB</u> CHECKED BY: <u>BDH</u> DRAWN BY: <u>DJS</u> PROJECT MGR. _____
"RO" TO "L'ENFANT" TRACK PROFILE GRADE LINE (4 OF 8)	DIVISION CHIEF _____ DATE: <u>MARCH 22, 2019</u> FILE _____ SHEET 29 OF 72



NO.	DESCRIPTION	NAME	DATE

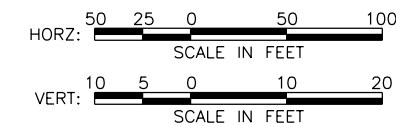


DESIGN SPEED
ALL TRACKS:
FREIGHT SPEED = 50 MPH
PASSENGER SPEED = 50 MPH

TRACKS 1 & 2 OVER POTOMAC RIVER FOR ACTION ALTERNATIVE A ONLY:
FREIGHT SPEED = 25 MPH
PASSENGER SPEED = 45 MPH

ACTION ALTERNATIVE A & B PROFILE STA. 350+00 TO 365+00

NOTE:
1. PGL SHOWN ALONG TRACK 4; PROFILES FOR EACH TRACK TO BE INCLUDED IN PRELIMINARY ENGINEERING.



CE PLANS – FINAL
MARCH 22, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK PROFILE GRADE LINE (5 OF 8)

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

DIVISION CHIEF

DATE: MARCH 22, 2019

FILE: _____

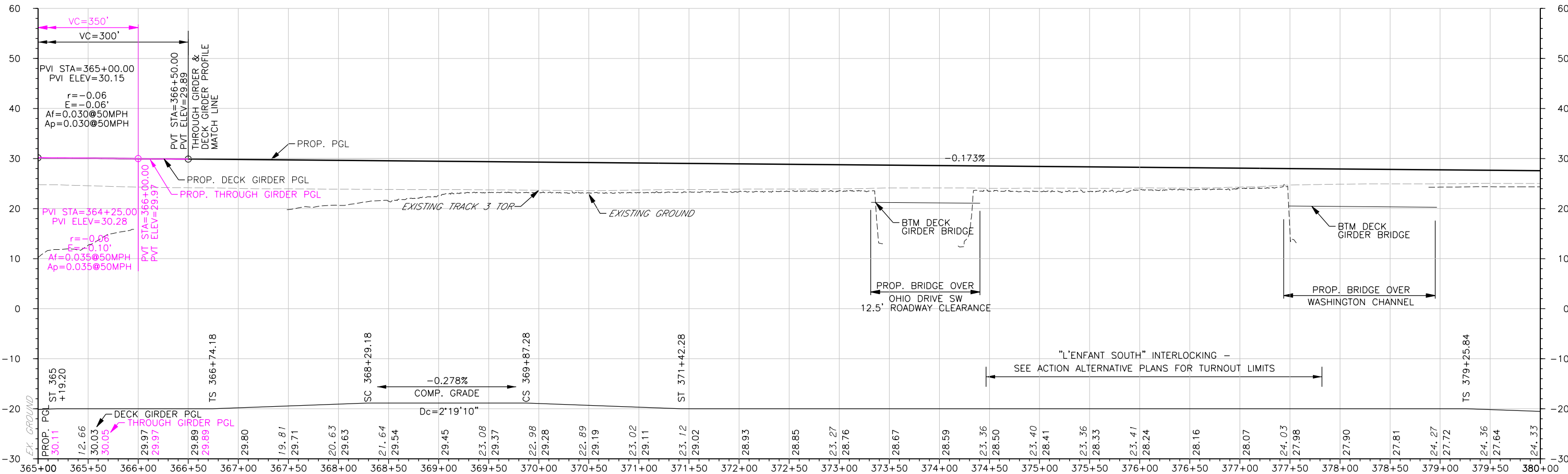
SHEET 30 OF 72



NO.	DESCRIPTION	NAME	DATE

REVISIONS

T-215 kmc/condless Thursday, March 21, 2019 AT 01:00 PM 01:00 PM

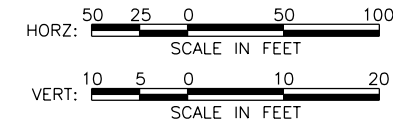


DESIGN SPEED
 ALL TRACKS:
 FREIGHT SPEED = 50 MPH
 PASSENGER SPEED = 50 MPH

TRACKS 1 & 2 OVER POTOMAC RIVER FOR ACTION ALTERNATIVE A ONLY:
 FREIGHT SPEED = 25 MPH
 PASSENGER SPEED = 45 MPH

ACTION ALTERNATIVE A & B PROFILE STA. 365+00 TO 380+00

NOTE:
 1. PGL SHOWN ALONG TRACK 4; PROFILES FOR EACH TRACK TO BE INCLUDED IN PRELIMINARY ENGINEERING.



CE PLANS - FINAL
 May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
 INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
 PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
 CONCEPTUAL ENGINEERING PLANS
 TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
 TRACK PROFILE GRADE LINE (6 OF 8)

PROJECT ENG. _____
 DESIGNED BY: HNTB
 CHECKED BY: BDH
 DRAWN BY: DJS
 PROJECT MGR. _____

DIVISION CHIEF

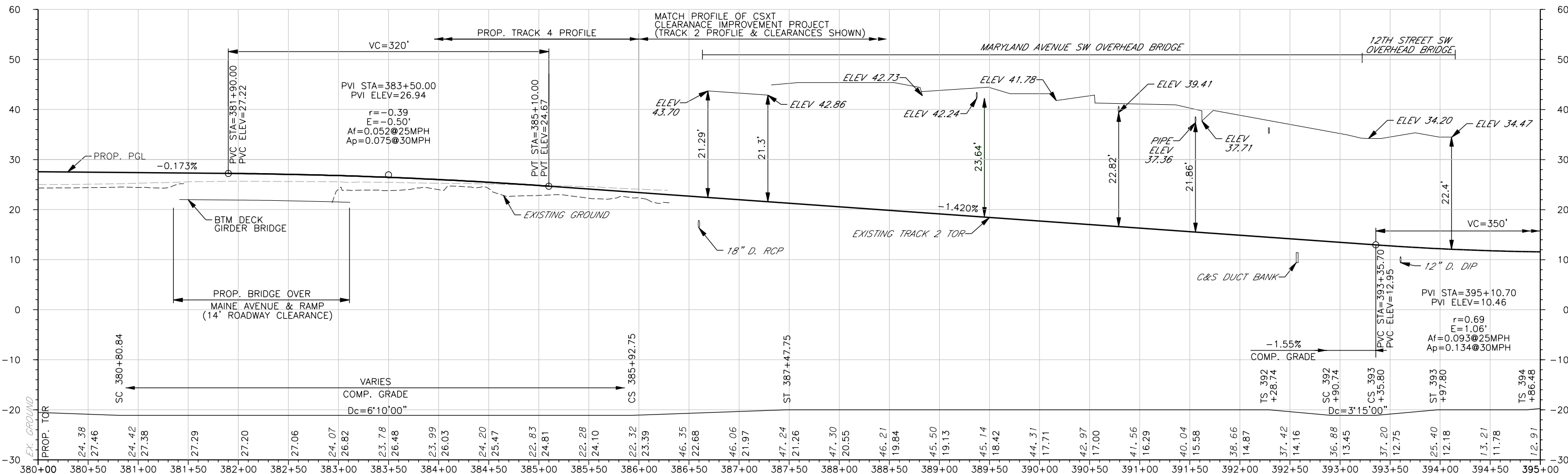
DATE: MARCH 22, 2019
 FILE: _____
 SHEET 31 OF 72



NO.	DESCRIPTION	NAME	DATE

REVISIONS

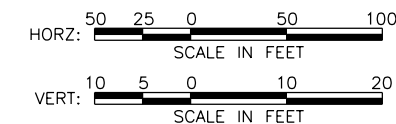
T-216 Thursday, March 21, 2019 AT 01:00 PM 01:00 PM kmccandless



DESIGN SPEED
 ALL TRACKS:
 FREIGHT SPEED = 25 MPH
 PASSENGER SPEED = 30 MPH

ACTION ALTERNATIVE A & B
PROFILE STA. 380+00 TO 395+00

NOTE:
 1. PGL SHOWN ALONG TRACK 4/2;
 PROFILES FOR EACH TRACK TO BE
 INCLUDED IN PRELIMINARY ENGINEERING.



CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
 INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
 PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
 CONCEPTUAL ENGINEERING PLANS
 TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
 TRACK PROFILE GRADE LINE (7 OF 8)

PROJECT ENG. _____
 DESIGNED BY: HNTB
 CHECKED BY: BDH
 DRAWN BY: DJS
 PROJECT MGR. _____

DIVISION CHIEF _____

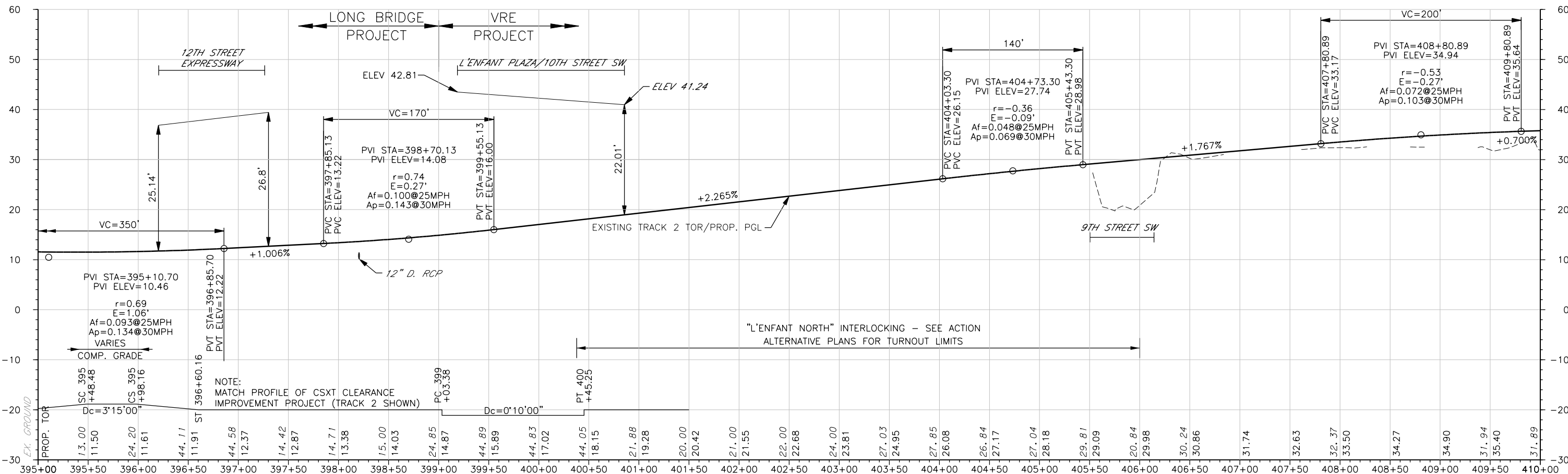
DATE: MARCH 22, 2019

FILE _____

SHEET 32 OF 72



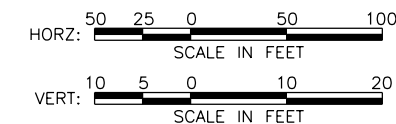
NO.	DESCRIPTION	NAME	DATE



DESIGN SPEED
ALL TRACKS:
FREIGHT SPEED = 25 MPH
PASSENGER SPEED = 30 MPH

ACTION ALTERNATIVE A & B
PROFILE STA. 395+00 TO 410+00

NOTE:
1. PGL SHOWN ALONG TRACK 2; PROFILES FOR EACH TRACK TO BE INCLUDED IN PRELIMINARY ENGINEERING.



CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TRACK PROFILE GRADE LINE (8 OF 8)

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

DIVISION CHIEF _____

DATE: MARCH 22, 2019

FILE: _____

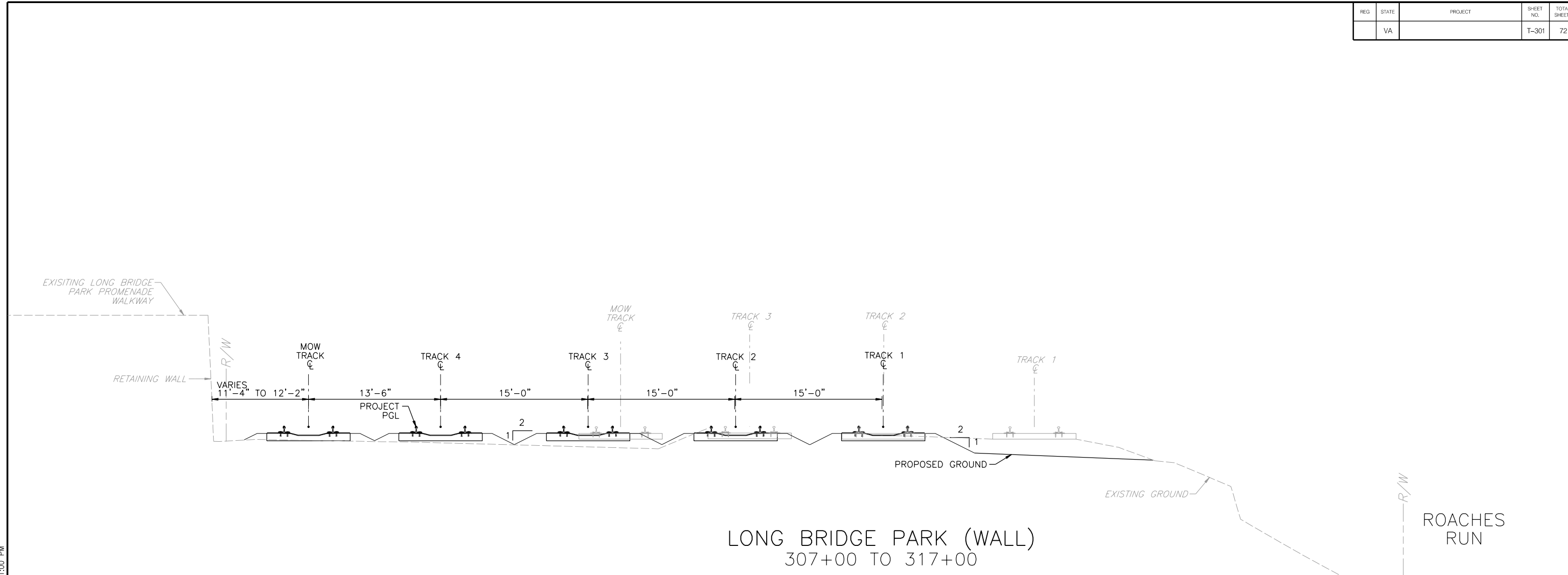
SHEET 33 OF 72



NO.	DESCRIPTION	NAME	DATE
REVISIONS			

T-218 Thursday, March 21, 2019 AT 01:00 PM 01:00 PM kmcccondless

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	VA		T-301	72



LONG BRIDGE PARK (WALL)
307+00 TO 317+00

- NOTES:
1. PROPOSED ALIGNMENT IS DRIVEN BY PROJECT BY OTHERS. FUTURE COORDINATION IS NECESSARY.

T-301
kmccomless
Thursday, March 21, 2019 AT 01:00 PM
01:00 PM

0 5 10
SCALE: 1" = 10'-0"

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

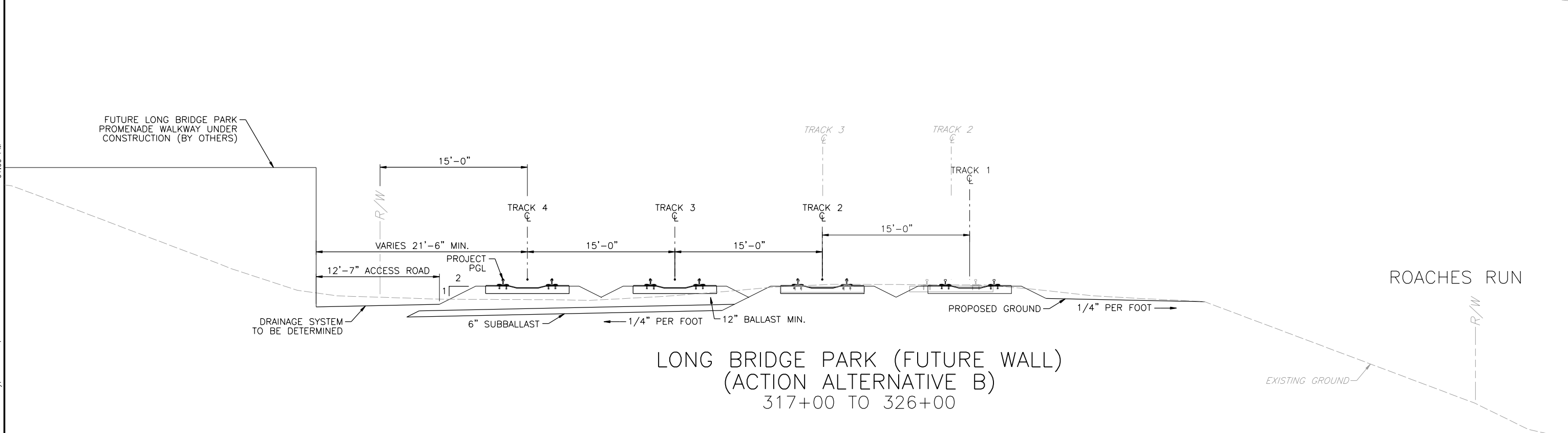
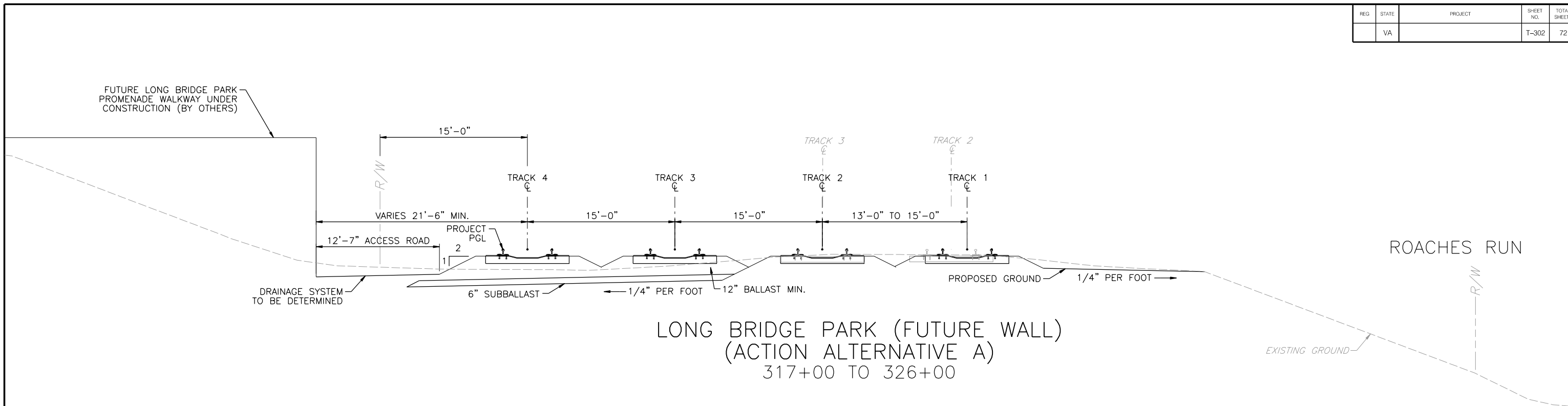
LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TYPICAL SECTIONS (1 OF 19)

PROJECT ENG. _____
DESIGNED BY HNTB
CHECKED BY BDH
DRAWN BY DJJ
PROJECT MGR. _____
DIVISION CHIEF
DATE MARCH 22, 2019
FILE _____
SHEET 34 OF 72



NO.	DESCRIPTION	NAME	DATE
REVISIONS			



T-302 kmccconless Thursday, March 21, 2019 AT 01:00 PM 01:00 PM

0 5 10
SCALE: 1" = 10'-0"

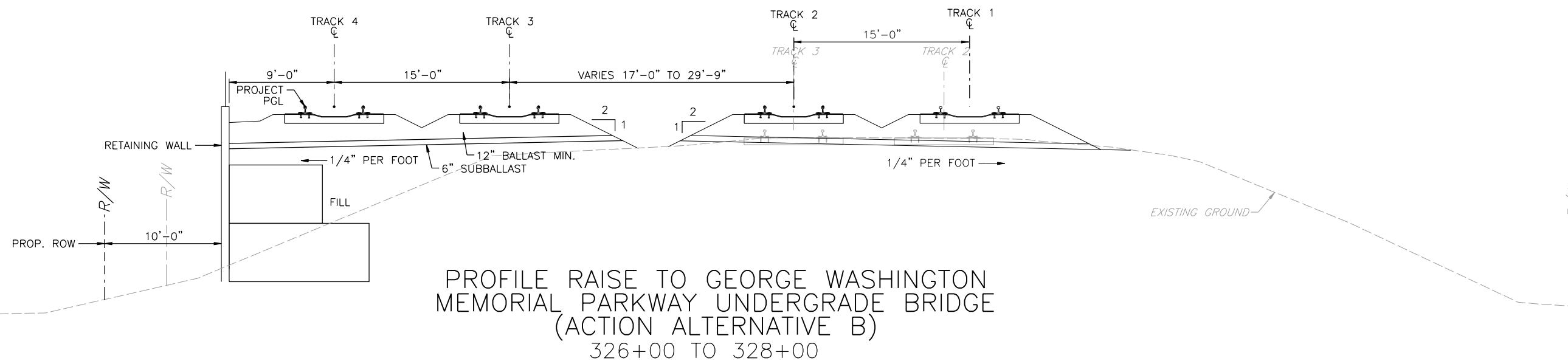
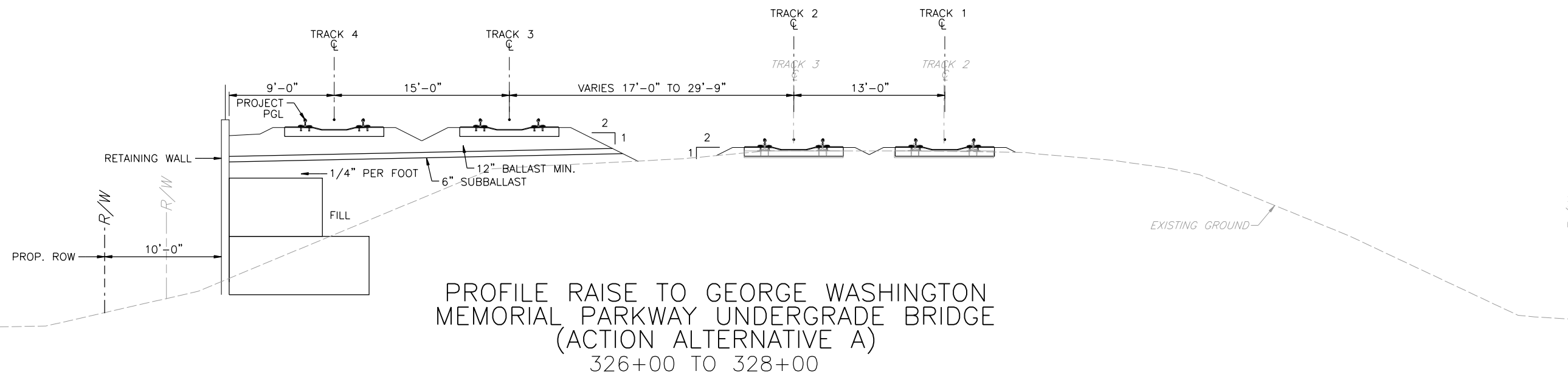
CE PLANS – FINAL
MARCH 22, 2019

D.C. DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION PROJECT MANAGEMENT DIVISION	
LONG BRIDGE PROJECT EIS CONCEPTUAL ENGINEERING PLANS TRACK ALIGNMENTS	PROJECT ENG. _____ DESIGNED BY HNTB CHECKED BY BDH DRAWN BY DJS PROJECT MGR. _____
"RO" TO "L'ENFANT" TYPICAL SECTIONS (2 OF 19)	DIVISION CHIEF DATE MARCH 22, 2019 FILE _____ SHEET 35 OF 72



NO.	DESCRIPTION	NAME	DATE

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	VA		T-303	72



CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

PROJECT ENG. _____
DESIGNED BY HNTB
CHECKED BY BDH
DRAWN BY DJJ
PROJECT MGR. _____

"RO" TO "L'ENFANT"
TYPICAL SECTIONS (3 OF 19)

DIVISION CHIEF _____

DATE MARCH 22, 2019

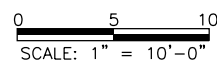
FILE _____

SHEET 36 OF 72



NO.	DESCRIPTION	NAME	DATE

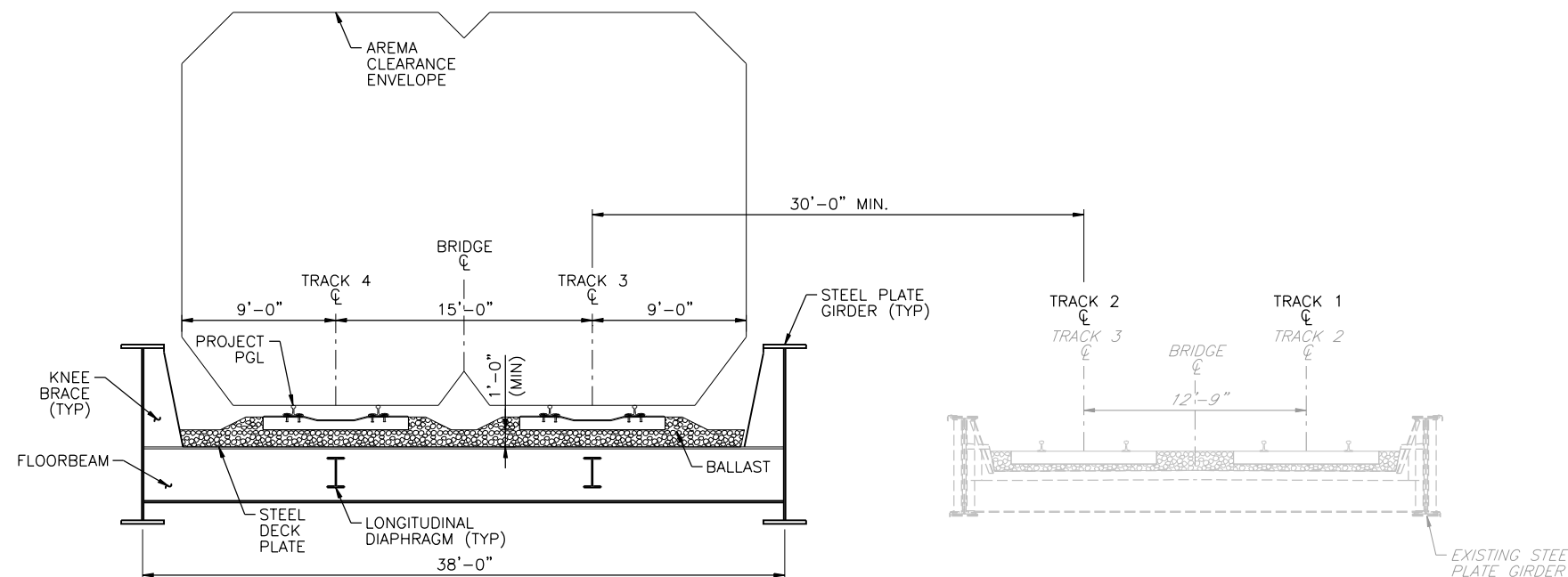
REVISIONS



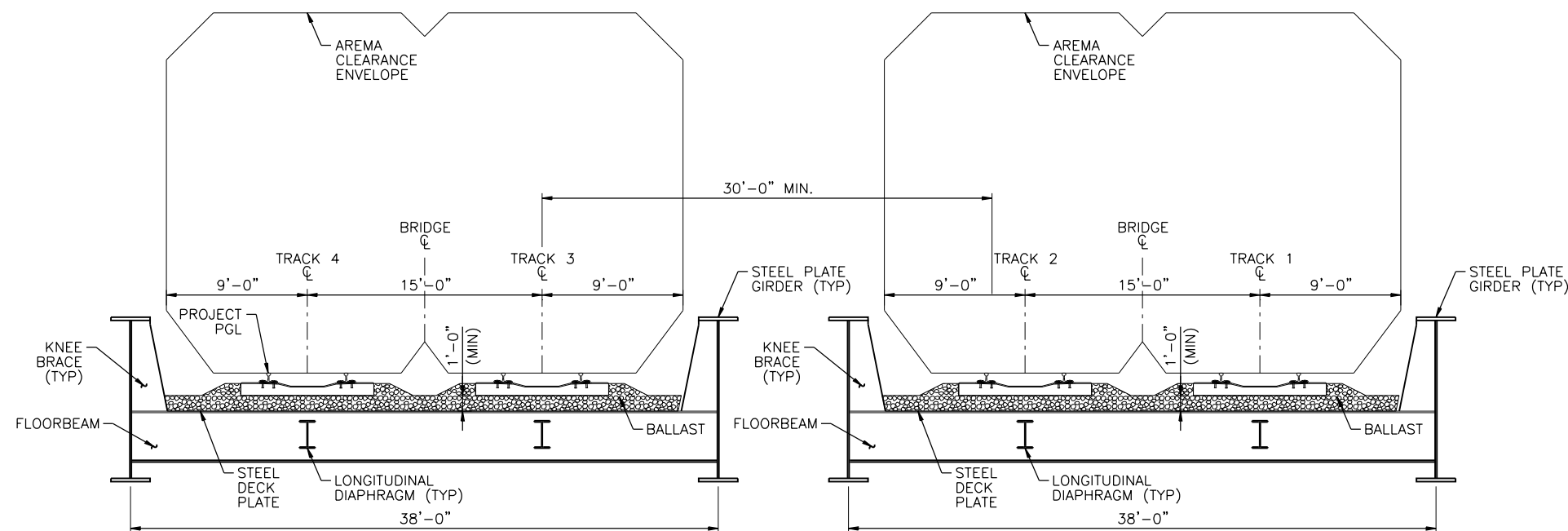
T-303
Thursday, March 21, 2019 AT 01:01 PM

kmccconless

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	VA		T-304	72



GEORGE WASHINGTON MEMORIAL
PARKWAY UNDERGRADE BRIDGE
(ACTION ALTERNATIVE A)
328+00 TO 329+25



GEORGE WASHINGTON MEMORIAL
PARKWAY UNDERGRADE BRIDGE
(ACTION ALTERNATIVE B)
328+00 TO 329+25

NOTES:
1. AREMA CLEARANCE ENVELOPE IS SHOWN FOR TANGENT TRACK WITHOUT CURVE CORRECTIONS.

CE PLANS – FINAL
MARCH 22, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

PROJECT ENG. _____
DESIGNED BY HNTB
CHECKED BY BDH
DRAWN BY DJJ
PROJECT MGR. _____

"RO" TO "L'ENFANT"
TYPICAL SECTIONS (4 OF 19)

DIVISION CHIEF

DATE MARCH 22, 2019

FILE

SHEET 37 OF 72



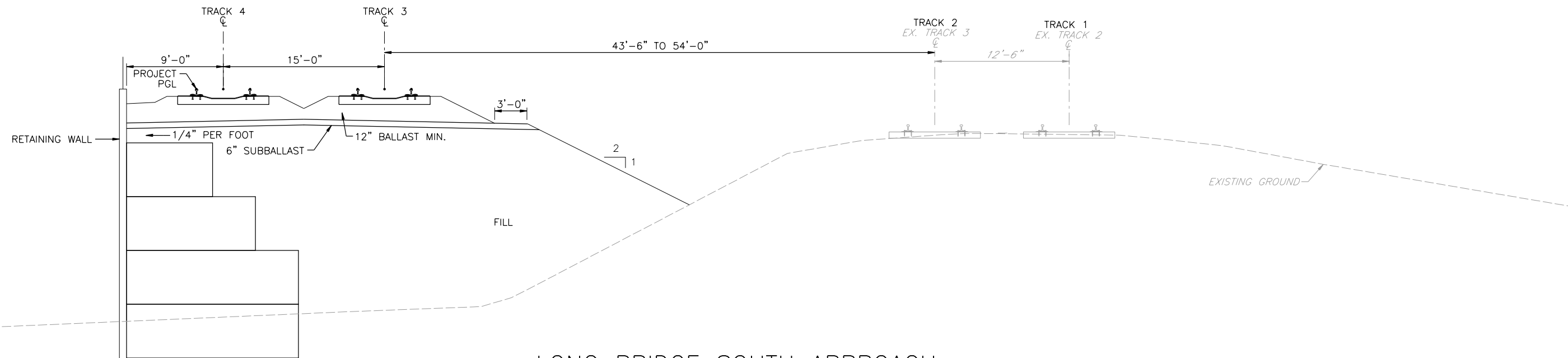
NO.	DESCRIPTION	NAME	DATE

REVISIONS

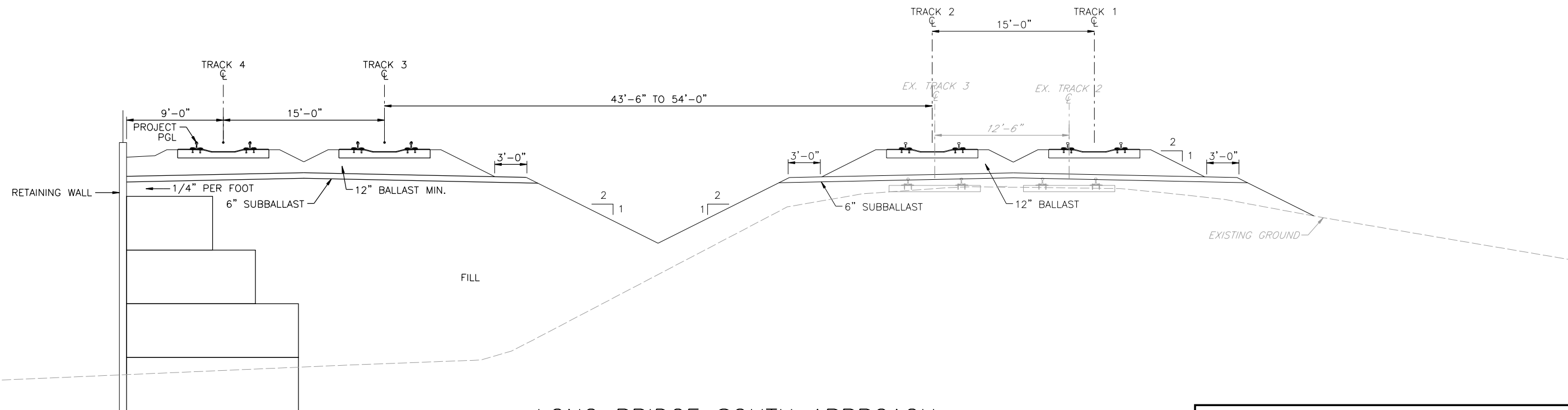
0 5 10
SCALE: 1" = 10'-0"

Thursday, March 21, 2019 AT 01:01 PM

T-304 kmccconless



LONG BRIDGE SOUTH APPROACH
(ACTION ALTERNATIVE A)
329+25 TO 330+75



LONG BRIDGE SOUTH APPROACH
(ACTION ALTERNATIVE B)
329+25 TO 330+75

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TYPICAL SECTIONS (5 OF 19)

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJJ
PROJECT MGR. _____

DIVISION CHIEF

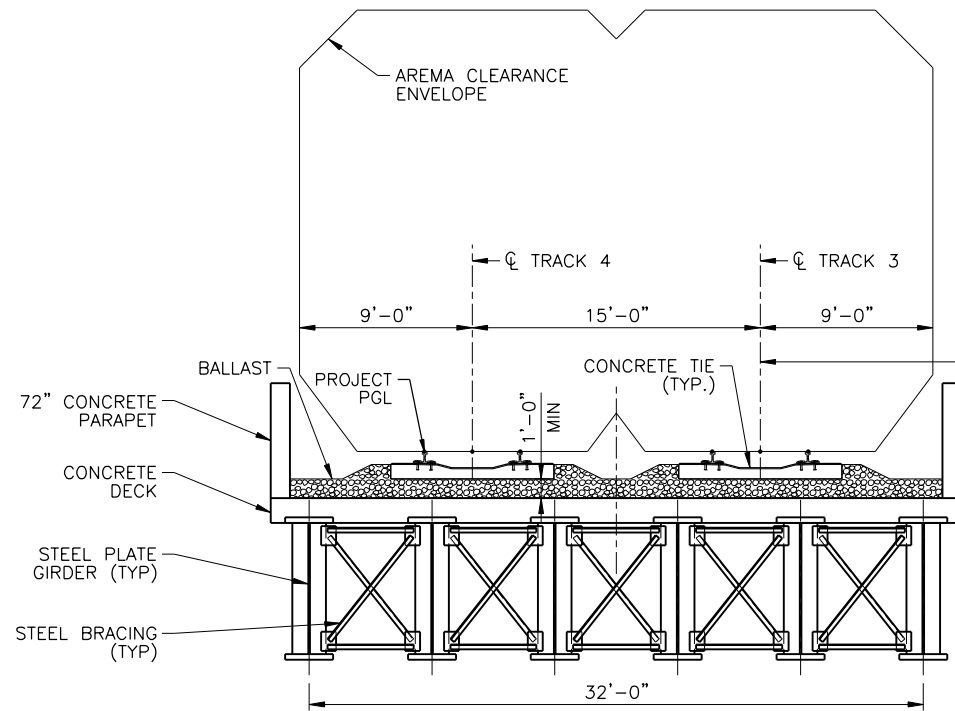
DATE: MARCH 22, 2019
FILE: _____
SHEET 38 OF 72



NO.	DESCRIPTION	NAME	DATE

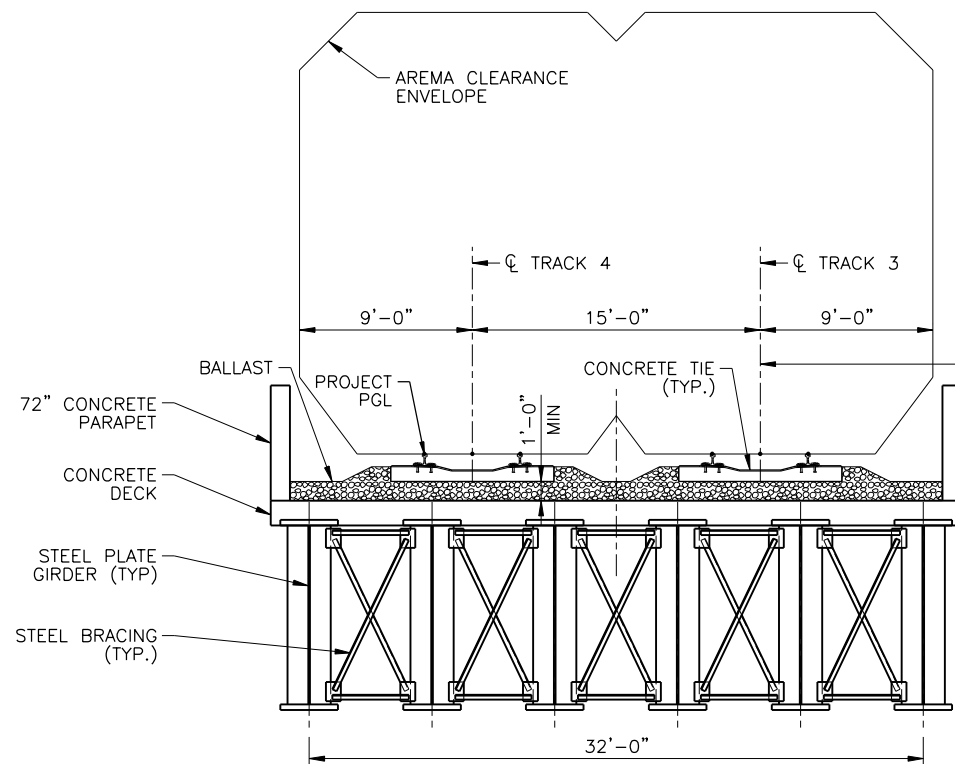
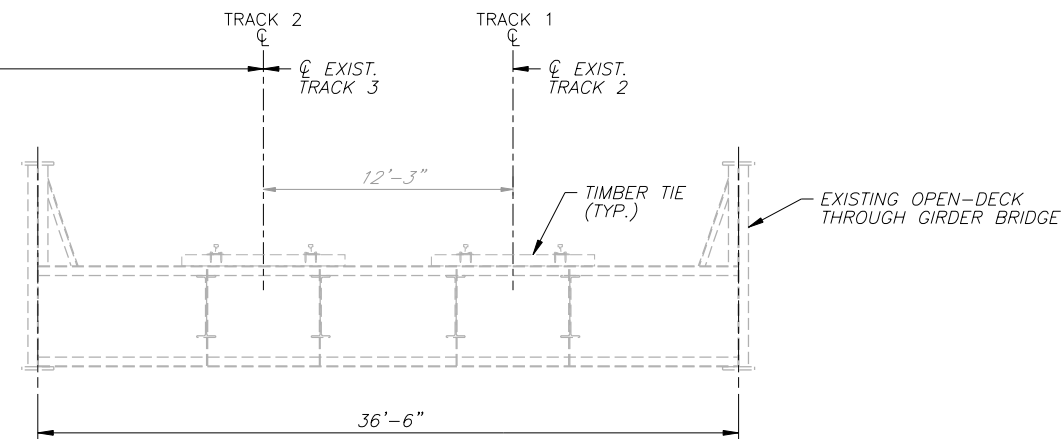
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SCALE: 1" = 10'-0"

T-305
kmc/condless
Thursday, March 21, 2019 AT 01:01 PM 01:01 PM

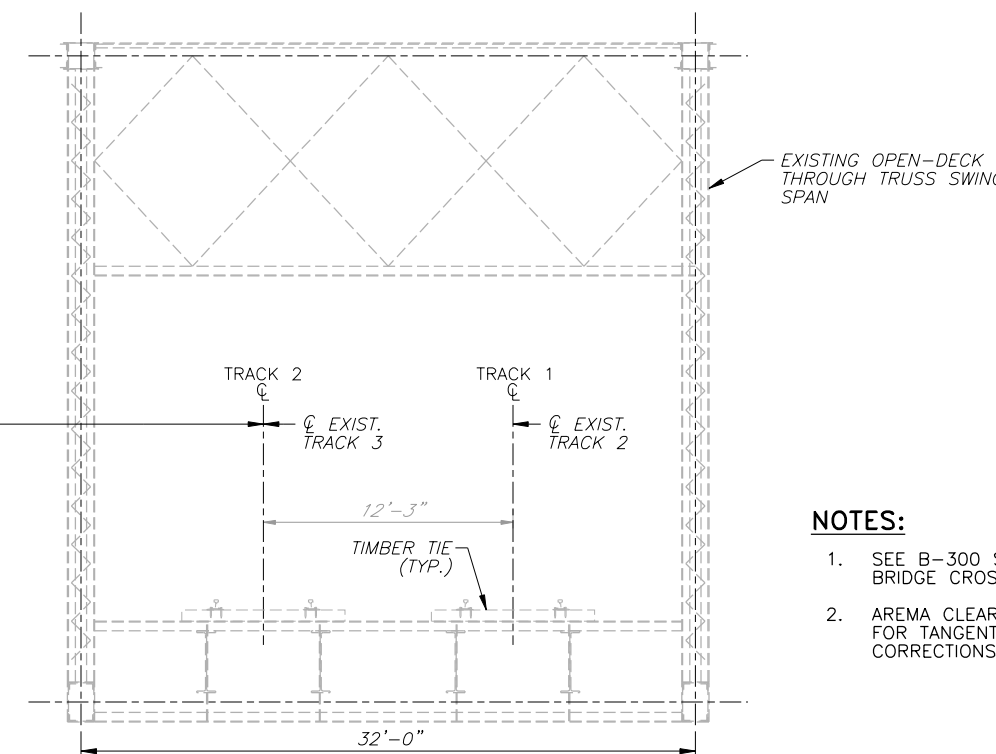


APPROACH SPAN

POTOMAC RIVER BRIDGE
 APPROACH SPAN
 DECK GIRDER OPTION
 (ACTION ALTERNATIVE A)
 330+75 TO 338+50
 341+50 TO 357+00



POTOMAC RIVER BRIDGE
 CHANNEL SPAN
 DECK GIRDER OPTION
 (ACTION ALTERNATIVE A)
 338+50 TO 341+50



- NOTES:**
- SEE B-300 SERIES FOR BIKE-PEDESTRIAN BRIDGE CROSS SECTIONS.
 - AREMA CLEARANCE ENVELOPE IS SHOWN FOR TANGENT TRACK WITHOUT CURVE CORRECTIONS.

CE PLANS - FINAL
 May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
 INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
 PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
 CONCEPTUAL ENGINEERING PLANS
 TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
 TYPICAL SECTIONS (6 OF 19)

PROJECT ENG. _____
 DESIGNED BY HNTB
 CHECKED BY BDH
 DRAWN BY DJJ
 PROJECT MGR. _____

DIVISION CHIEF _____

DATE MARCH 22, 2019
 FILE _____
 SHEET 39 OF 72

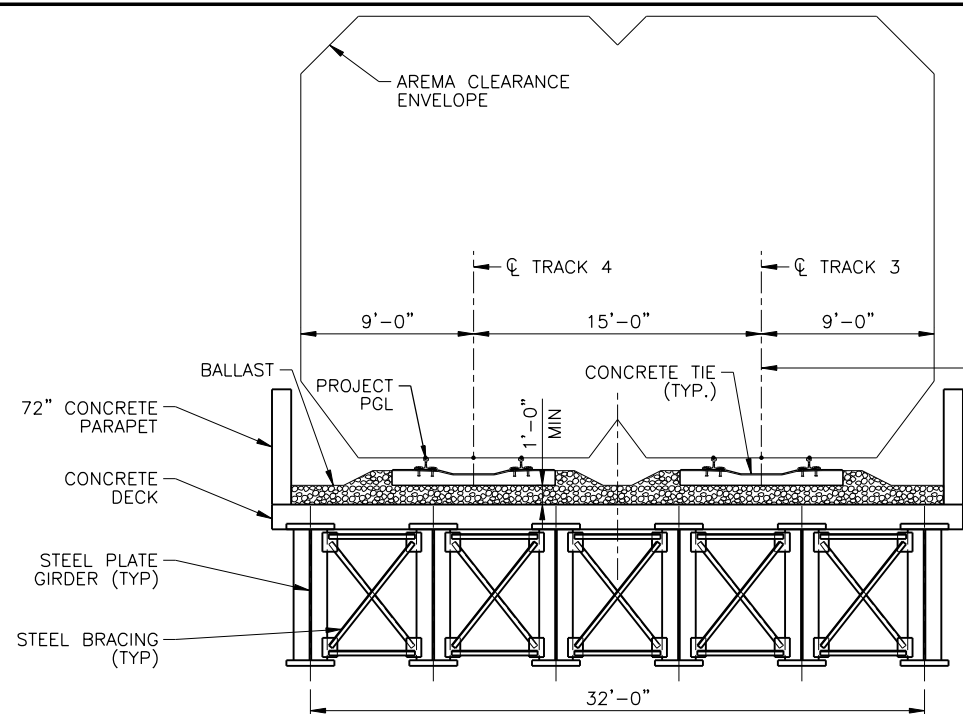


NO.	DESCRIPTION	NAME	DATE

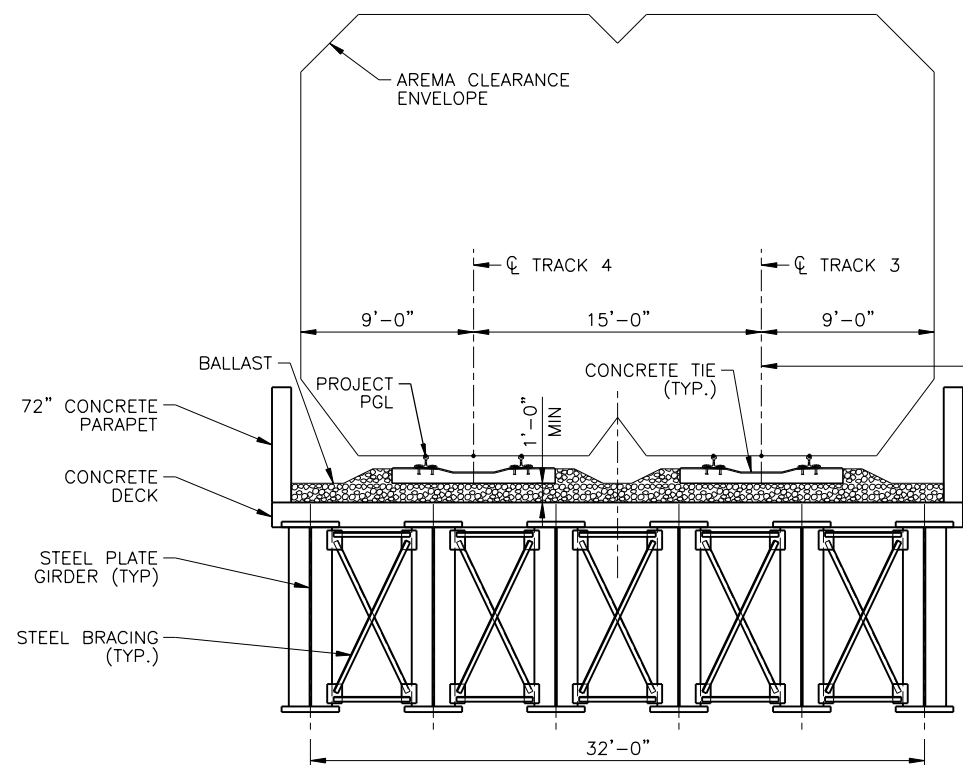
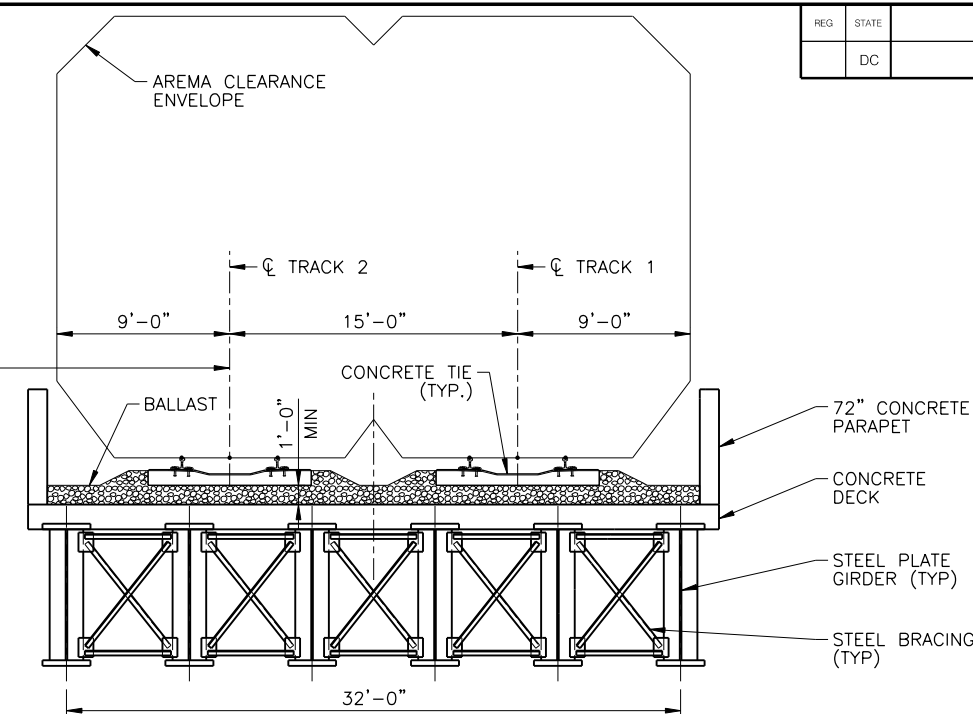
T-306 kmccconless Thursday, March 21, 2019 AT 01:01 PM 01:01 PM

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 SCALE: 1" = 10'-0"

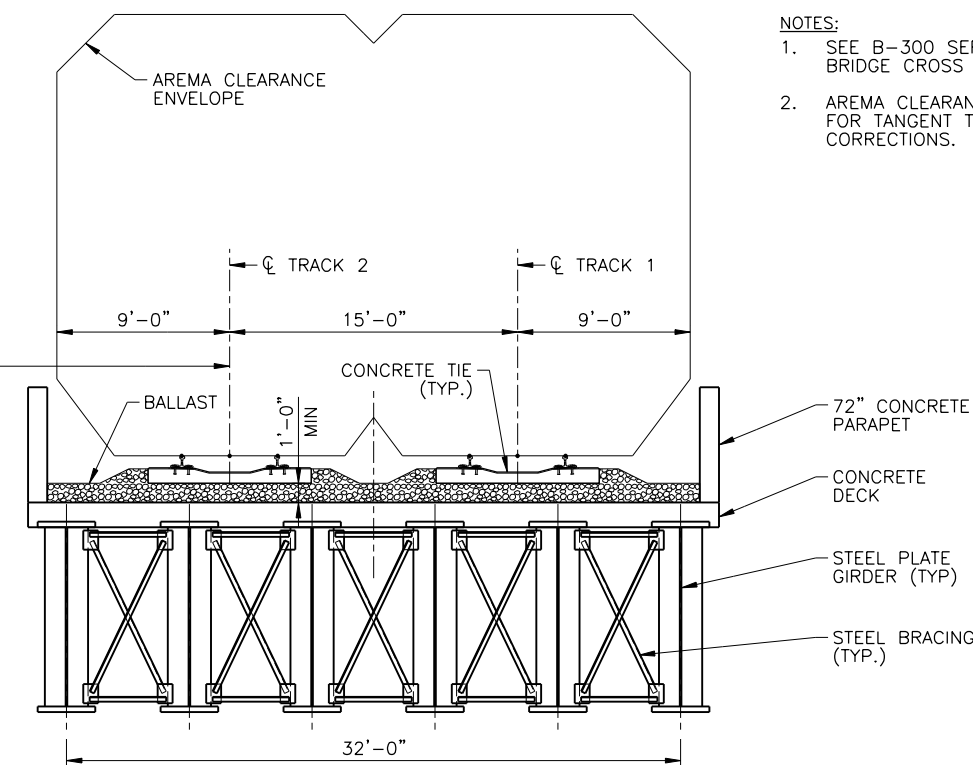
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-307	72



POTOMAC RIVER BRIDGE
 APPROACH SPAN
 DECK GIRDER OPTION
 (ACTION ALTERNATIVE B)
 330+75 TO 338+50
 341+50 TO 357+00



POTOMAC RIVER BRIDGE
 CHANNEL SPAN
 DECK GIRDER OPTION
 (ACTION ALTERNATIVE B)
 338+50 TO 341+50



- NOTES:
- SEE B-300 SERIES FOR BIKE-PEDESTRIAN BRIDGE CROSS SECTIONS.
 - AREMA CLEARANCE ENVELOPE IS SHOWN FOR TANGENT TRACK WITHOUT CURVE CORRECTIONS.

CE PLANS - FINAL
 May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION PROJECT MANAGEMENT DIVISION	
LONG BRIDGE PROJECT EIS CONCEPTUAL ENGINEERING PLANS TRACK ALIGNMENTS	PROJECT ENG. _____ DESIGNED BY: HNTB CHECKED BY: BDH DRAWN BY: DJS PROJECT MGR. _____
"RO" TO "L'ENFANT" TYPICAL SECTIONS (7 OF 19)	DIVISION CHIEF _____ DATE: MARCH 22, 2019 FILE _____ SHEET 40 OF 72

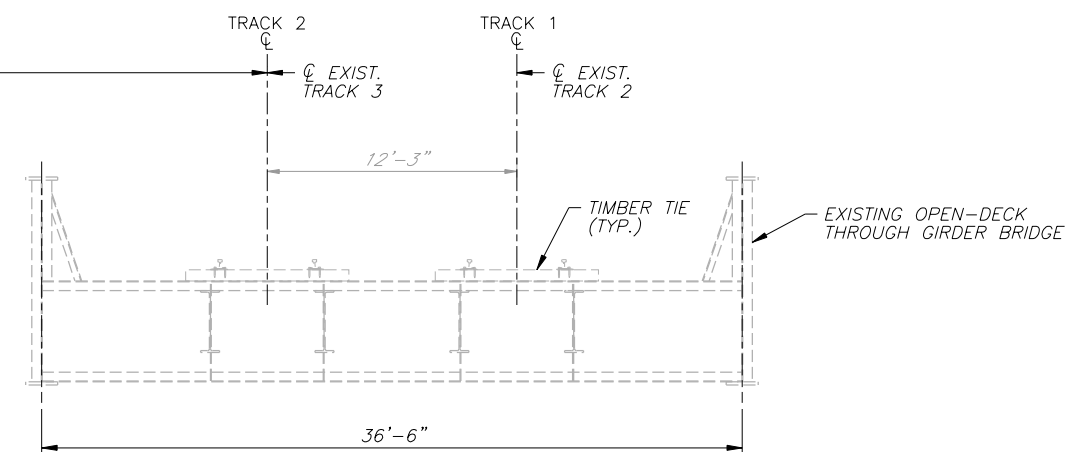
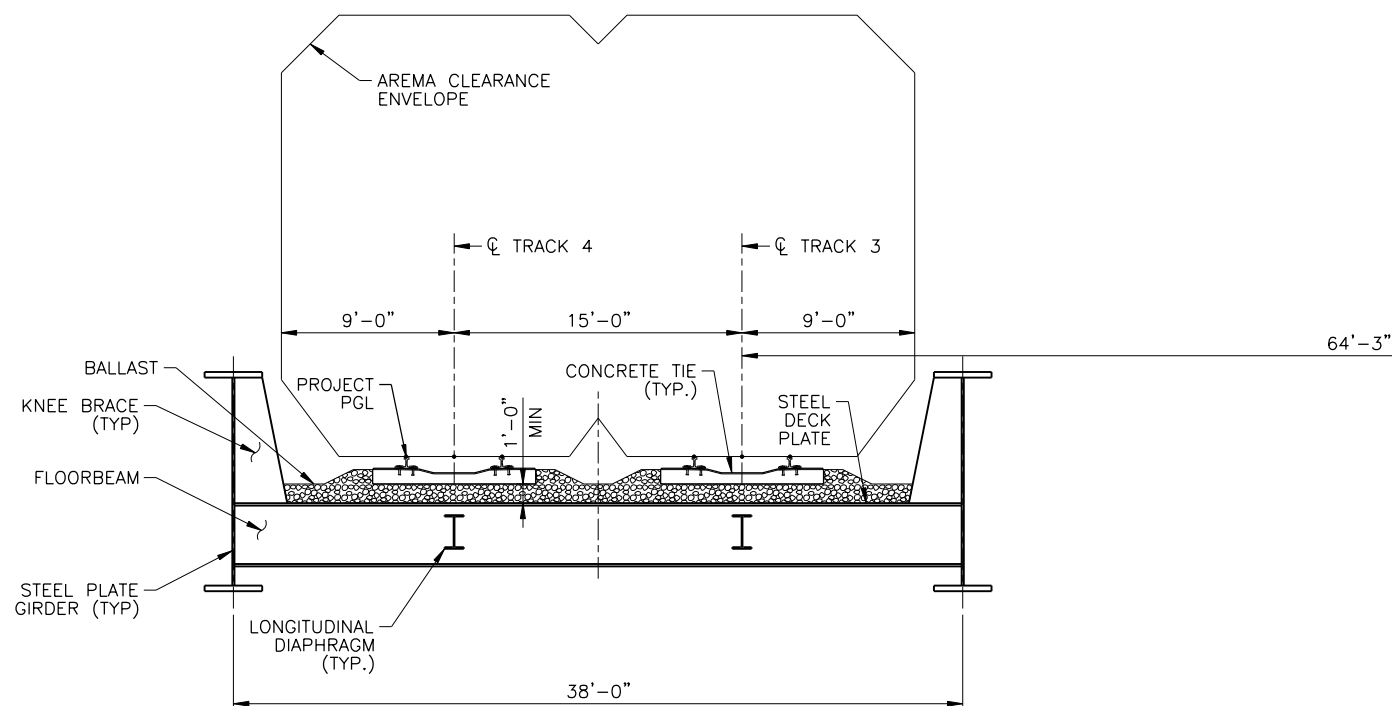


NO.	DESCRIPTION	NAME	DATE

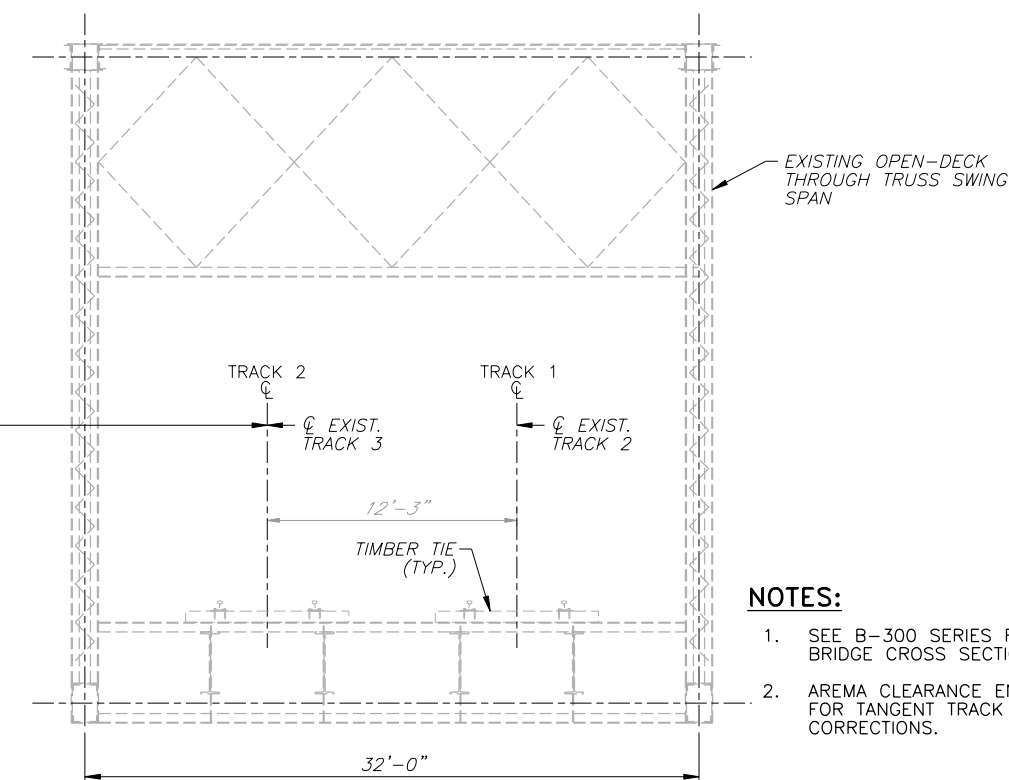
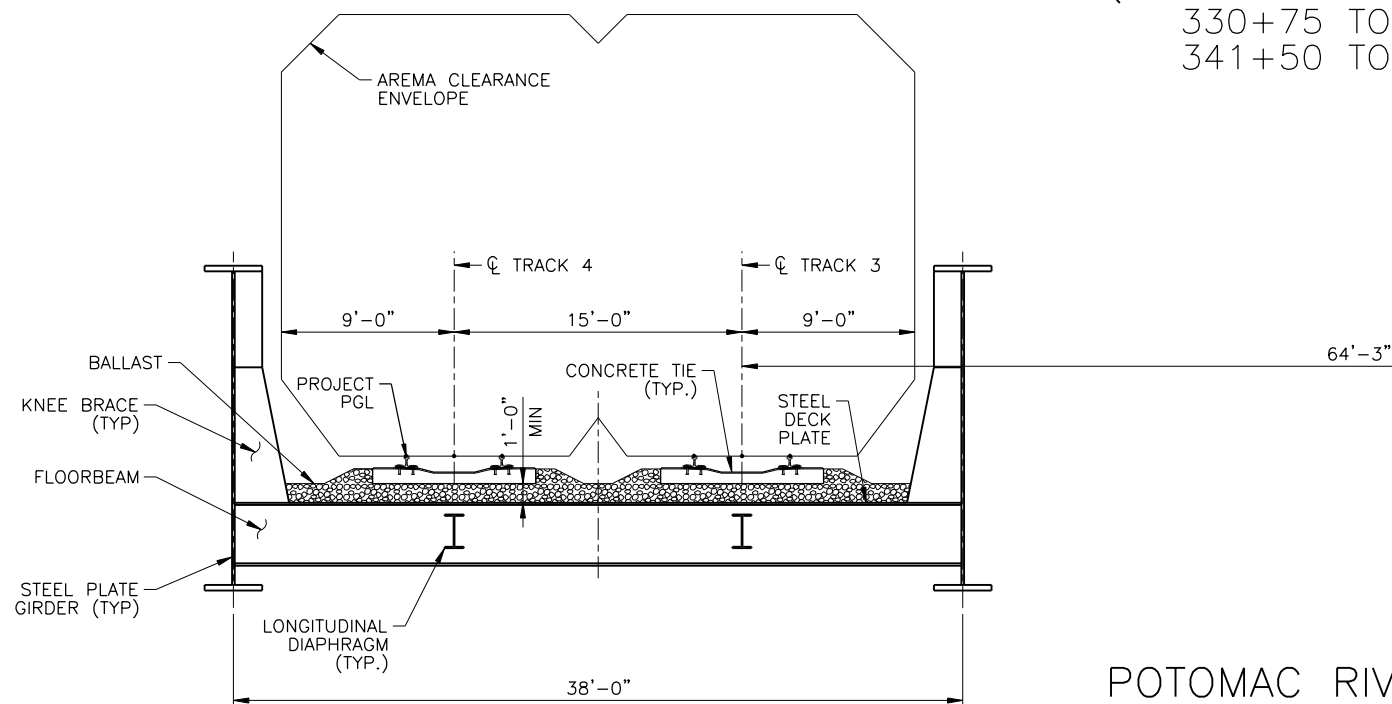
T-307 kmccconless Thursday, March 21, 2019 AT 01:02 PM 01:02 PM

0 5 10
 SCALE: 1" = 10'-0"

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-308	72



POTOMAC RIVER BRIDGE
 APPROACH SPAN
 THROUGH GIRDER OPTION
 (ACTION ALTERNATIVE A)
 330+75 TO 338+50
 341+50 TO 357+00



POTOMAC RIVER BRIDGE
 CHANNEL SPAN
 THROUGH GIRDER OPTION
 (ACTION ALTERNATIVE A)
 338+50 TO 341+50

NOTES:

- SEE B-300 SERIES FOR BIKE-PEDESTRIAN BRIDGE CROSS SECTIONS.
- AREMA CLEARANCE ENVELOPE IS SHOWN FOR TANGENT TRACK WITHOUT CURVE CORRECTIONS.

CE PLANS - FINAL
 MARCH 22, 2019

D.C. DEPARTMENT OF TRANSPORTATION
 INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
 PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
 CONCEPTUAL ENGINEERING PLANS
 TRACK ALIGNMENTS

PROJECT ENG. _____
 DESIGNED BY HNTB
 CHECKED BY BDH
 DRAWN BY DJS
 PROJECT MGR. _____

DIVISION CHIEF _____

"RO" TO "L'ENFANT"
 TYPICAL SECTIONS (8 OF 19)

DATE MARCH 22, 2019

FILE _____

SHEET 41 OF 72

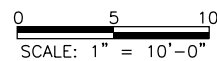


NO.	DESCRIPTION	NAME	DATE

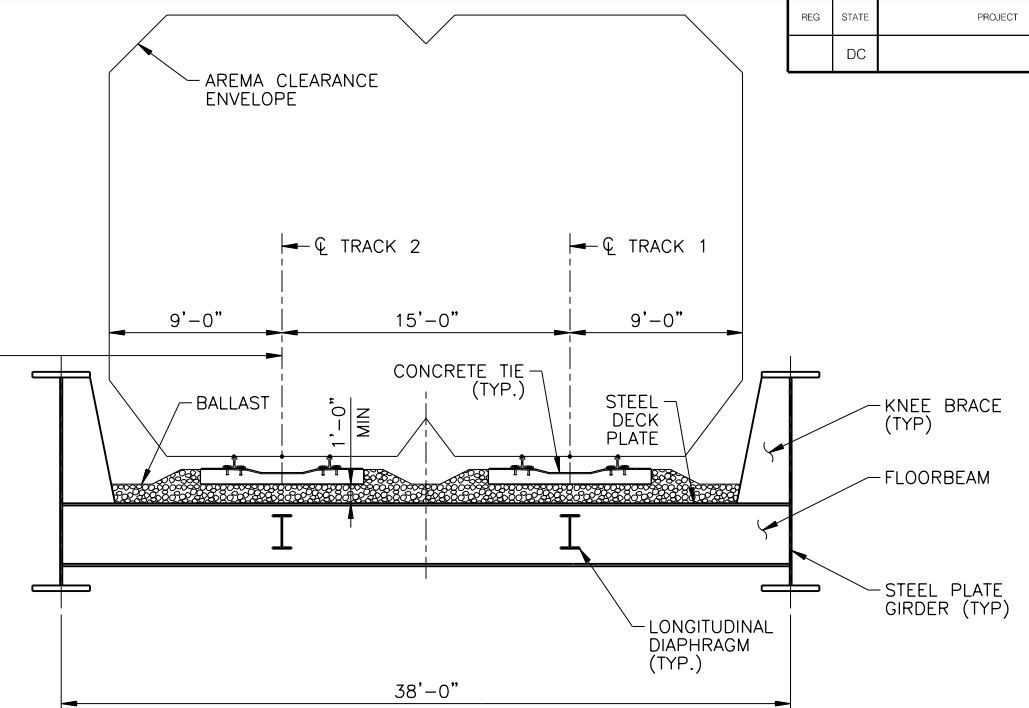
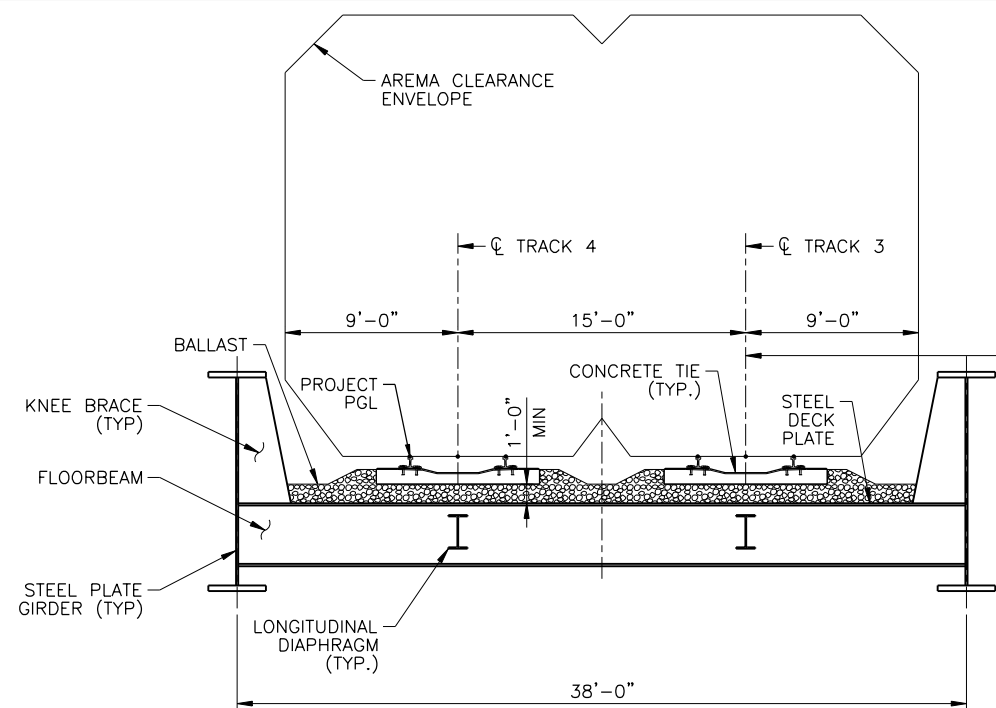
REVISIONS

Thursday, March 21, 2019 AT 01:02 PM

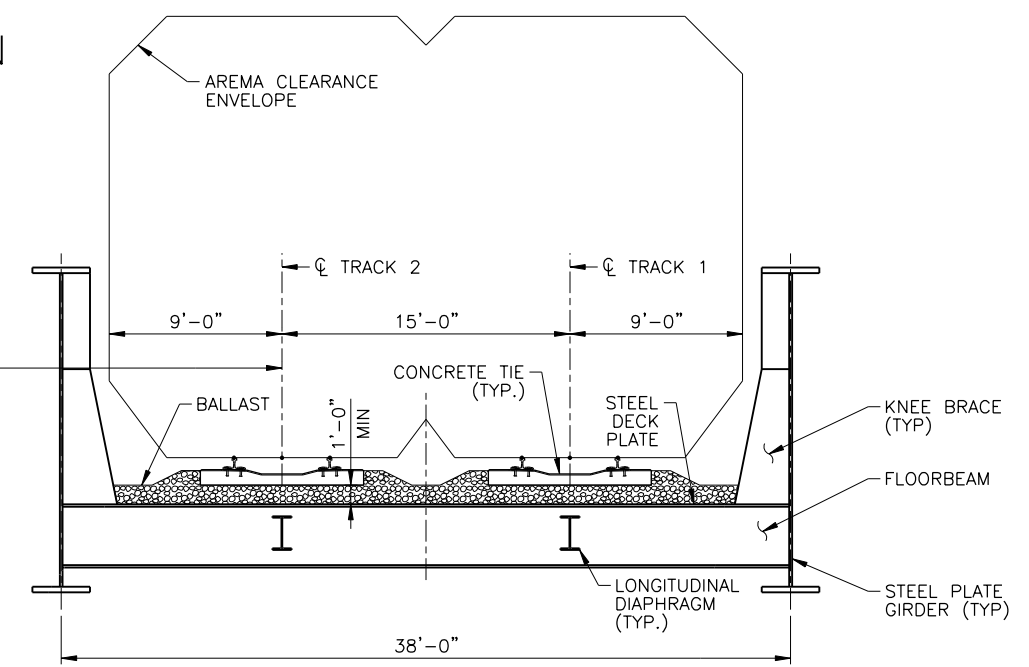
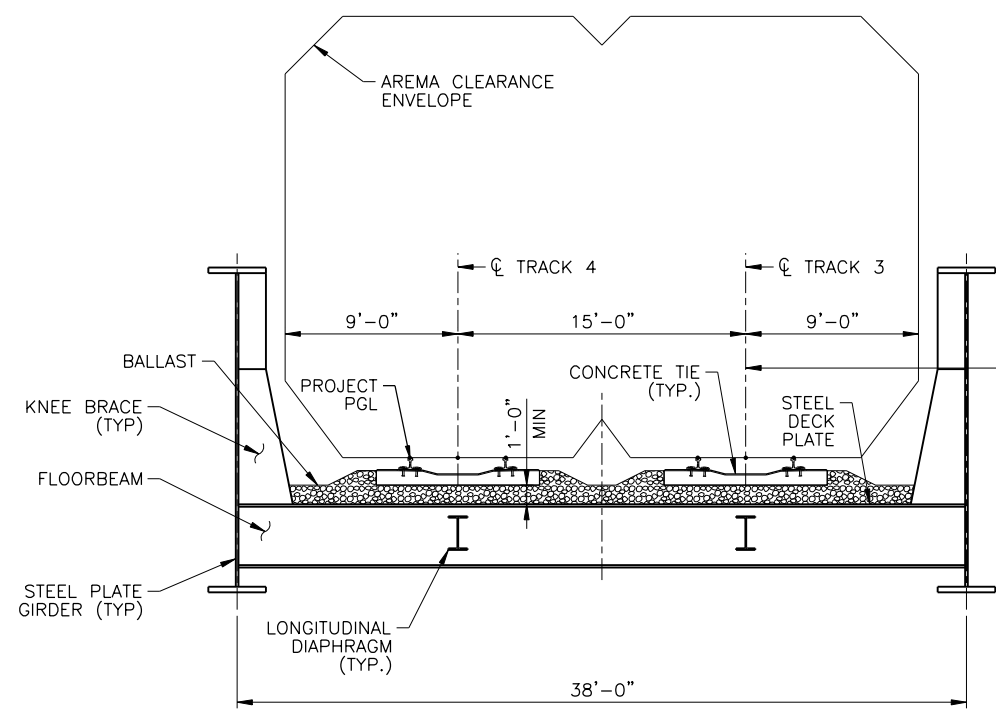
T-308 kmccconless



REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-309	72



POTOMAC RIVER BRIDGE
APPROACH SPAN
THROUGH GIRDER OPTION
(ACTION ALTERNATIVE B)
330+75 TO 338+50
341+50 TO 357+00



POTOMAC RIVER BRIDGE
CHANNEL SPAN
THROUGH GIRDER OPTION
(ACTION ALTERNATIVE B)
338+50 TO 341+50

- NOTES:
- SEE B-300 SERIES FOR BIKE-PEDESTRIAN BRIDGE CROSS SECTIONS.
 - AREMA CLEARANCE ENVELOPE IS SHOWN FOR TANGENT TRACK WITHOUT CURVE CORRECTIONS.

CE PLANS - FINAL
MARCH 22, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TYPICAL SECTIONS (9 OF 19)

PROJECT ENG. _____
DESIGNED BY HNTB
CHECKED BY BDH
DRAWN BY DJS
PROJECT MGR. _____

DIVISION CHIEF _____
DATE MARCH 22, 2019
FILE _____

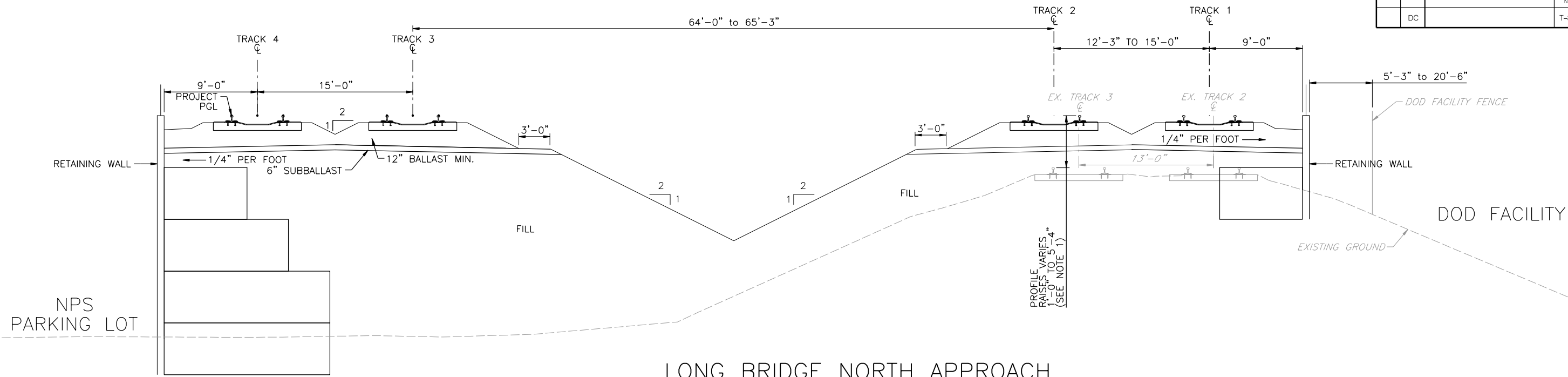
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SCALE: 1" = 10'-0"



NO.	DESCRIPTION	NAME	DATE

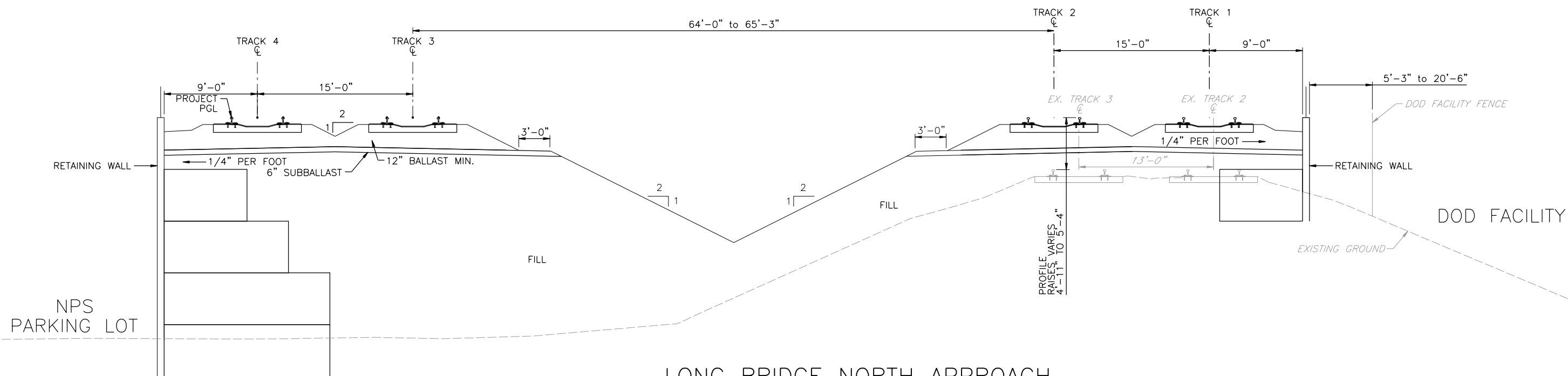
T-309 kmccon/less Thursday, March 21, 2019 AT 01:02 PM 01:02 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-310	72



LONG BRIDGE NORTH APPROACH
(ACTION ALTERNATIVE A)
357+00 TO 361+00
362+50 TO 363+00

NOTES:
1. ACTION ALTERNATIVE A BEGINS TO TIE INTO EXISTING TRACK ALIGNMENT AND PROFILE.



LONG BRIDGE NORTH APPROACH
(ACTION ALTERNATIVE B)
357+00 TO 361+00
362+50 TO 363+00

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

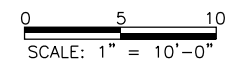
LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TYPICAL SECTIONS (10 OF 19)

PROJECT ENG. _____
DESIGNED BY HNTB
CHECKED BY BDH
DRAWN BY DJJ
PROJECT MGR. _____

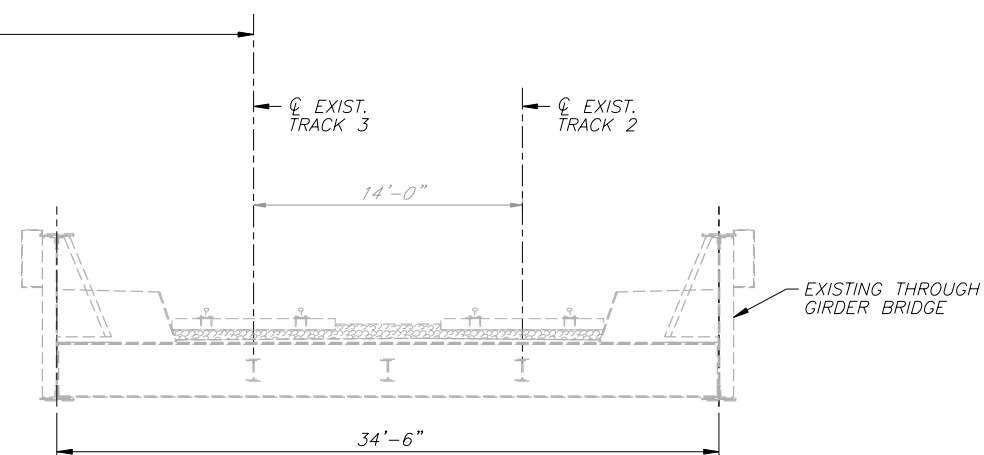
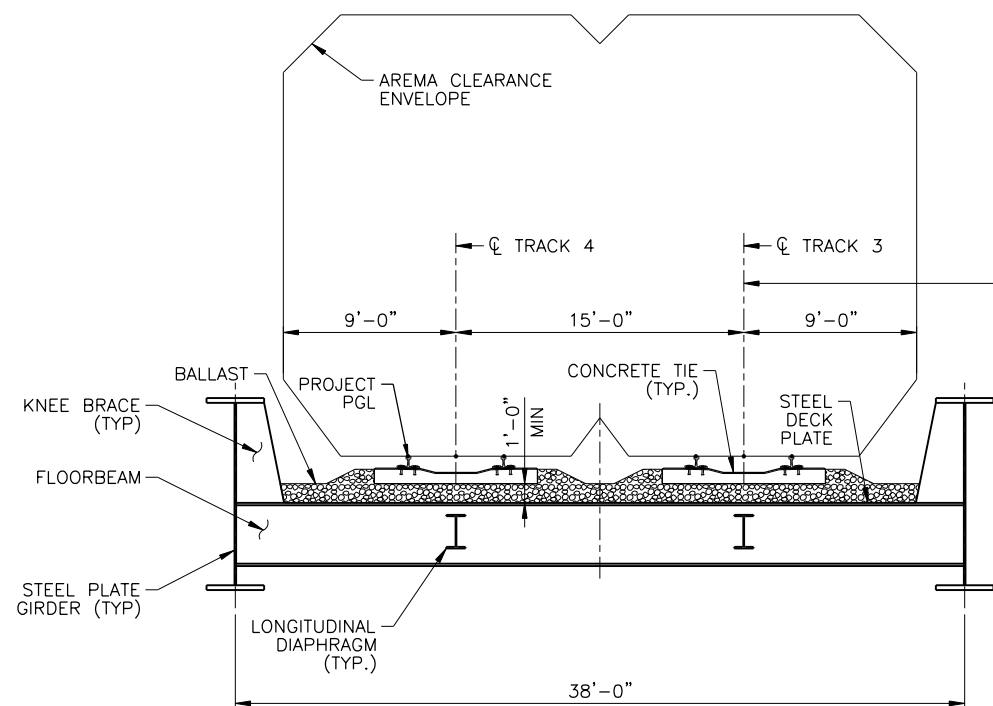
DIVISION CHIEF

DATE MARCH 22, 2019
FILE _____
SHEET 43 OF 72

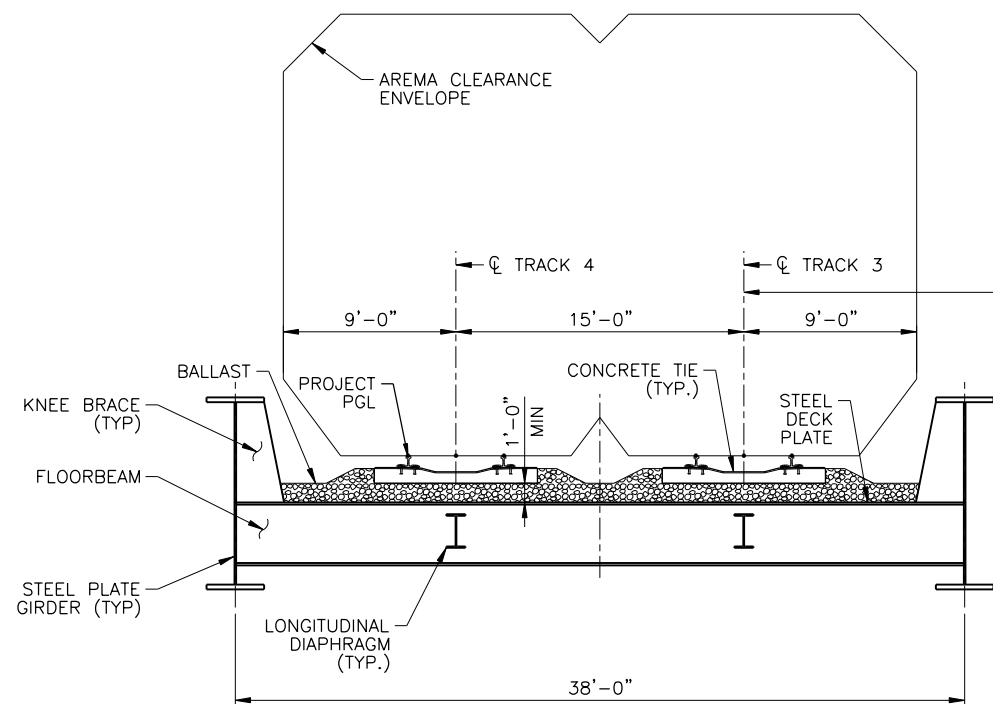


NO.	DESCRIPTION	NAME	DATE

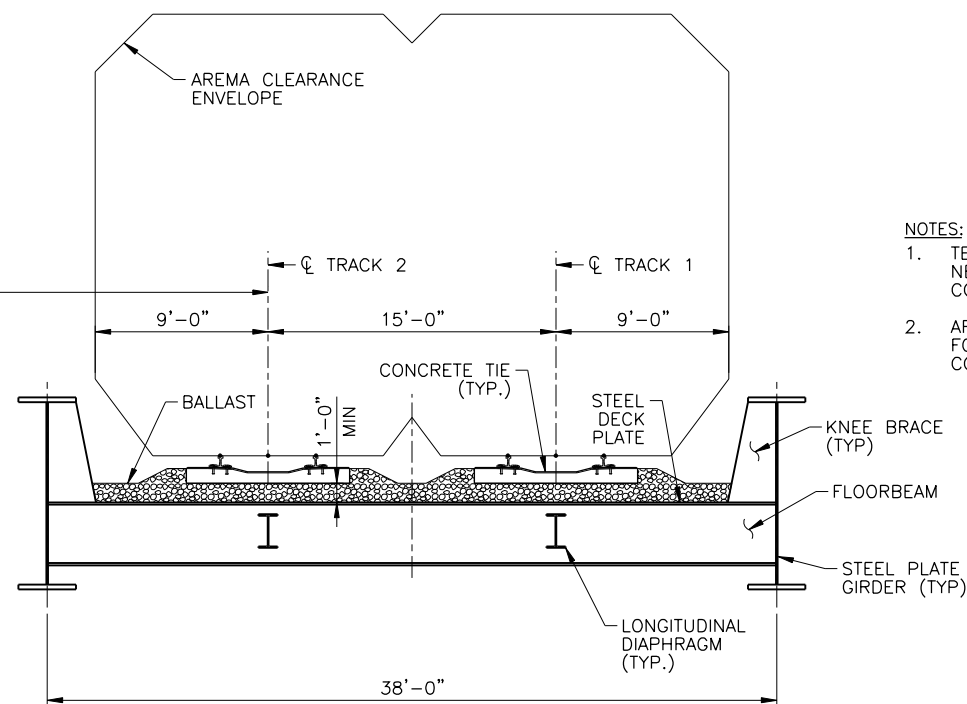
T-310
kmcconless
Thursday, March 21, 2019 AT 01:03 PM
01:03 PM



I-395 UNDERGRADE BRIDGE
INITIAL CONDITION
363+00 TO 365+00



54'-0" TO 65'-0"



- NOTES:
- TEMPORARY CONSTRUCTION EASEMENT NEEDED WITHIN DOD FACILITY TO CONSTRUCT I-395 UG SOUTH ABUTMENT.
 - AREMA CLEARANCE ENVELOPE IS SHOWN FOR TANGENT TRACK WITHOUT CURVE CORRECTIONS.

I-395 UNDERGRADE BRIDGE
FINAL CONDITION
363+00 TO 365+00

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

PROJECT ENG. _____
DESIGNED BY HNTB
CHECKED BY BDH
DRAWN BY DJG
PROJECT MGR. _____

"RO" TO "L'ENFANT"
TYPICAL SECTIONS (12 OF 19)

DIVISION CHIEF

DATE MARCH 22, 2019

FILE

SHEET 45 OF 72



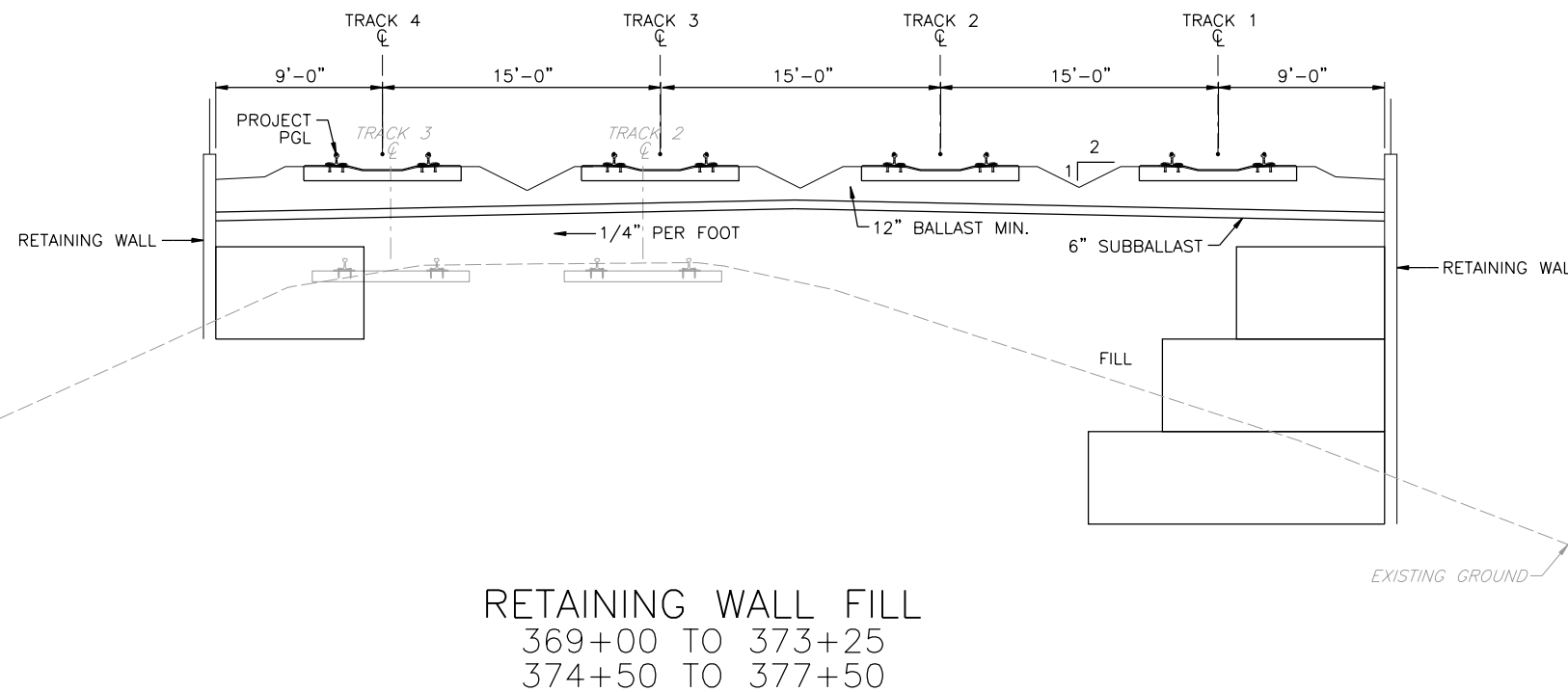
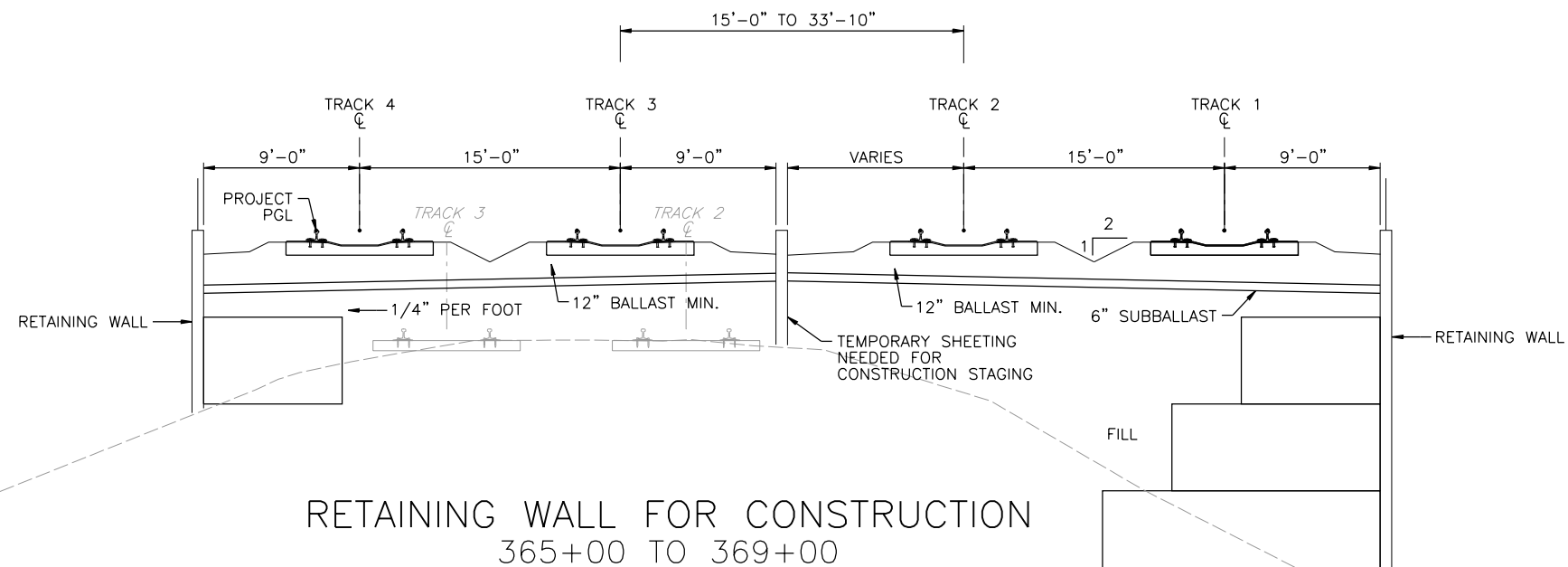
NO.	DESCRIPTION	NAME	DATE

REVISIONS

0 5 10
SCALE: 1" = 10'-0"

Thursday, March 21, 2019 AT 01:04 PM

T-312 kmccomless



CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
TYPICAL SECTIONS (13 OF 19)

PROJECT ENG. HNTB
DESIGNED BY HNTB
CHECKED BY BDH
DRAWN BY DJG
PROJECT MGR.

DIVISION CHIEF

DATE MARCH 22, 2019

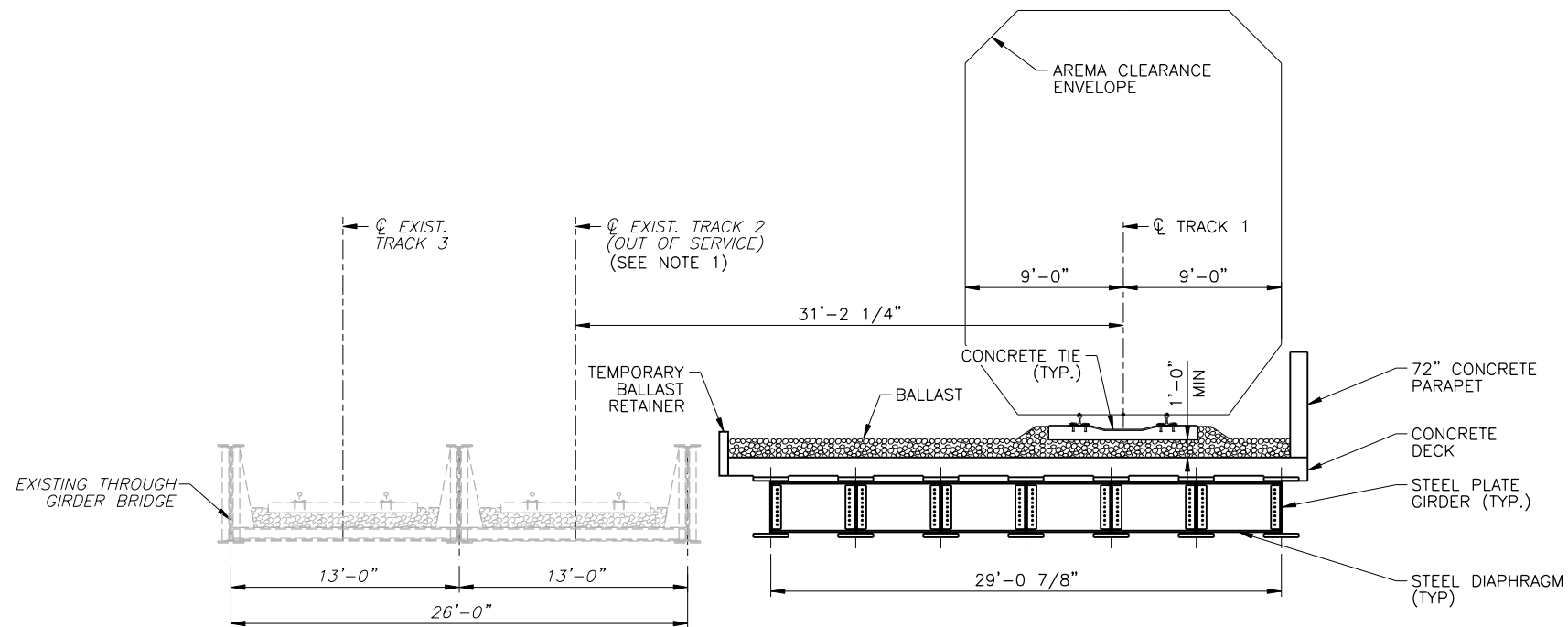
SHEET 46 OF 72



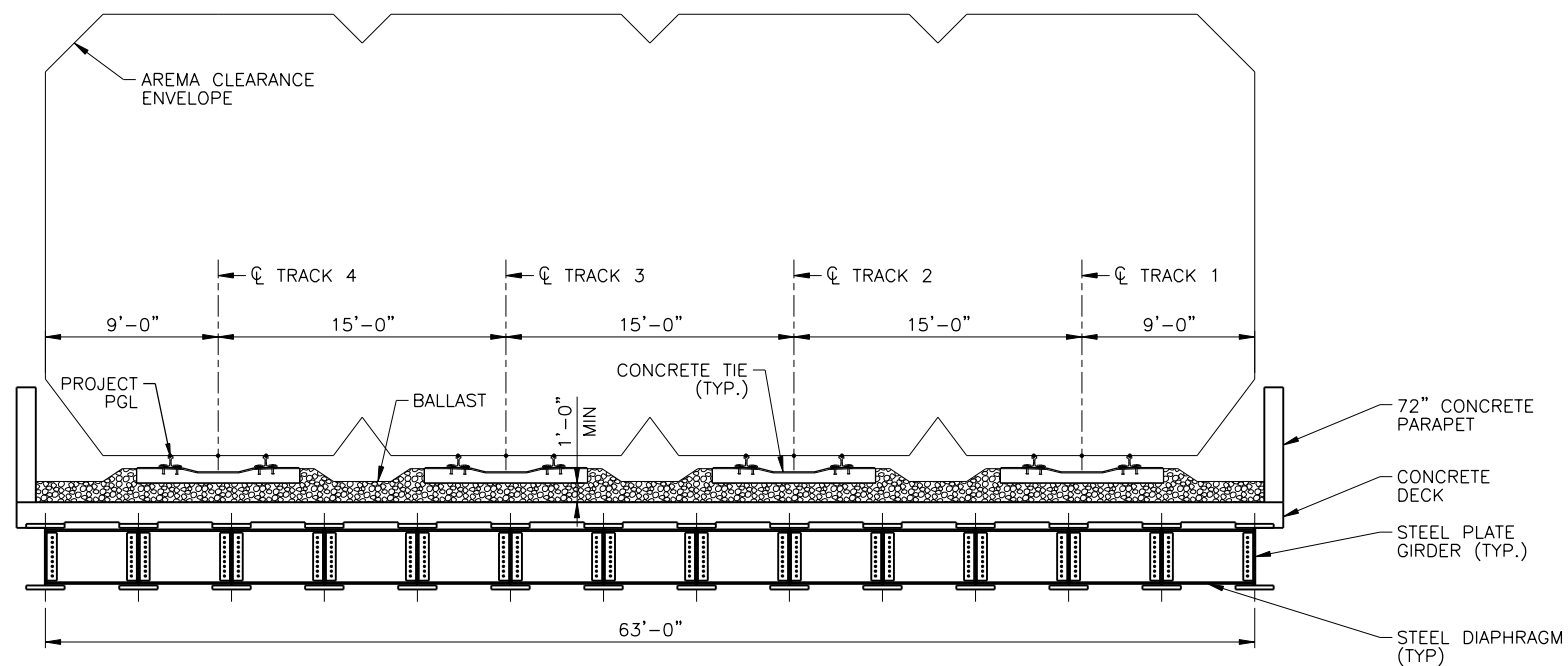
NO.	DESCRIPTION	NAME	DATE

0 5 10
SCALE: 1" = 10'-0"

T-313
kmccomless
Thursday, March 21, 2019 AT 01:04 PM
01:04 PM



OHIO DRIVE SW UNDERGRADE BRIDGE
INITIAL CONDITION
373+25 TO 374+50



OHIO DRIVE SW UNDERGRADE BRIDGE
FINAL CONDITION
373+25 TO 374+50

NOTES:

- EXISTING BRIDGE DEMOLITION AND NEW BRIDGE WIDENING WILL BE STAGED TO PROVIDE TWO TRACKS DURING CONSTRUCTION.
- AREMA CLEARANCE ENVELOPE IS SHOWN FOR TANGENT TRACK WITHOUT CURVE CORRECTIONS.

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

PROJECT ENG. _____
DESIGNED BY HNTB
CHECKED BY BDH
DRAWN BY DJS
PROJECT MGR. _____

"RO" TO "L'ENFANT"
TYPICAL SECTIONS (14 OF 19)

DIVISION CHIEF _____

DATE MARCH 22, 2019

FILE _____

SHEET 47 OF 72



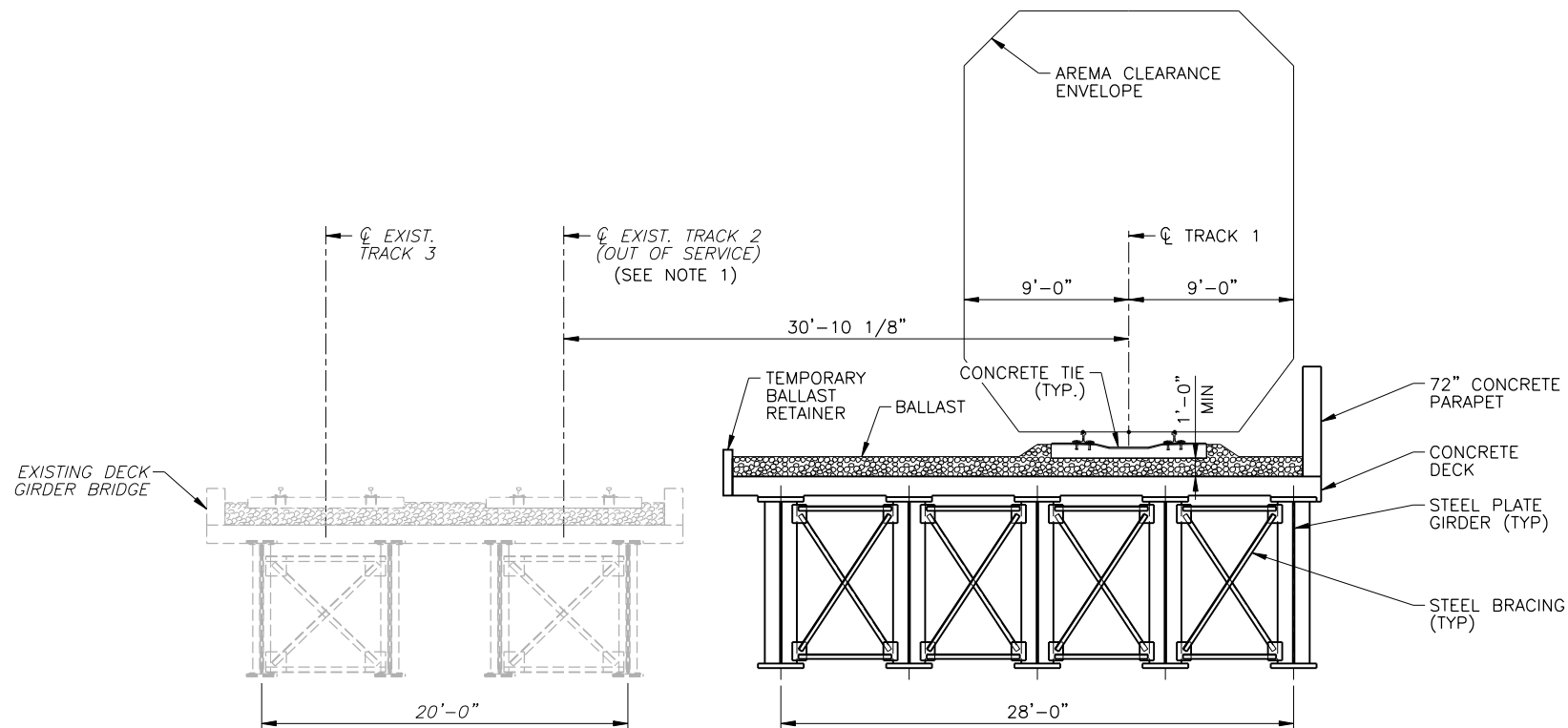
NO.	DESCRIPTION	NAME	DATE

REVISIONS

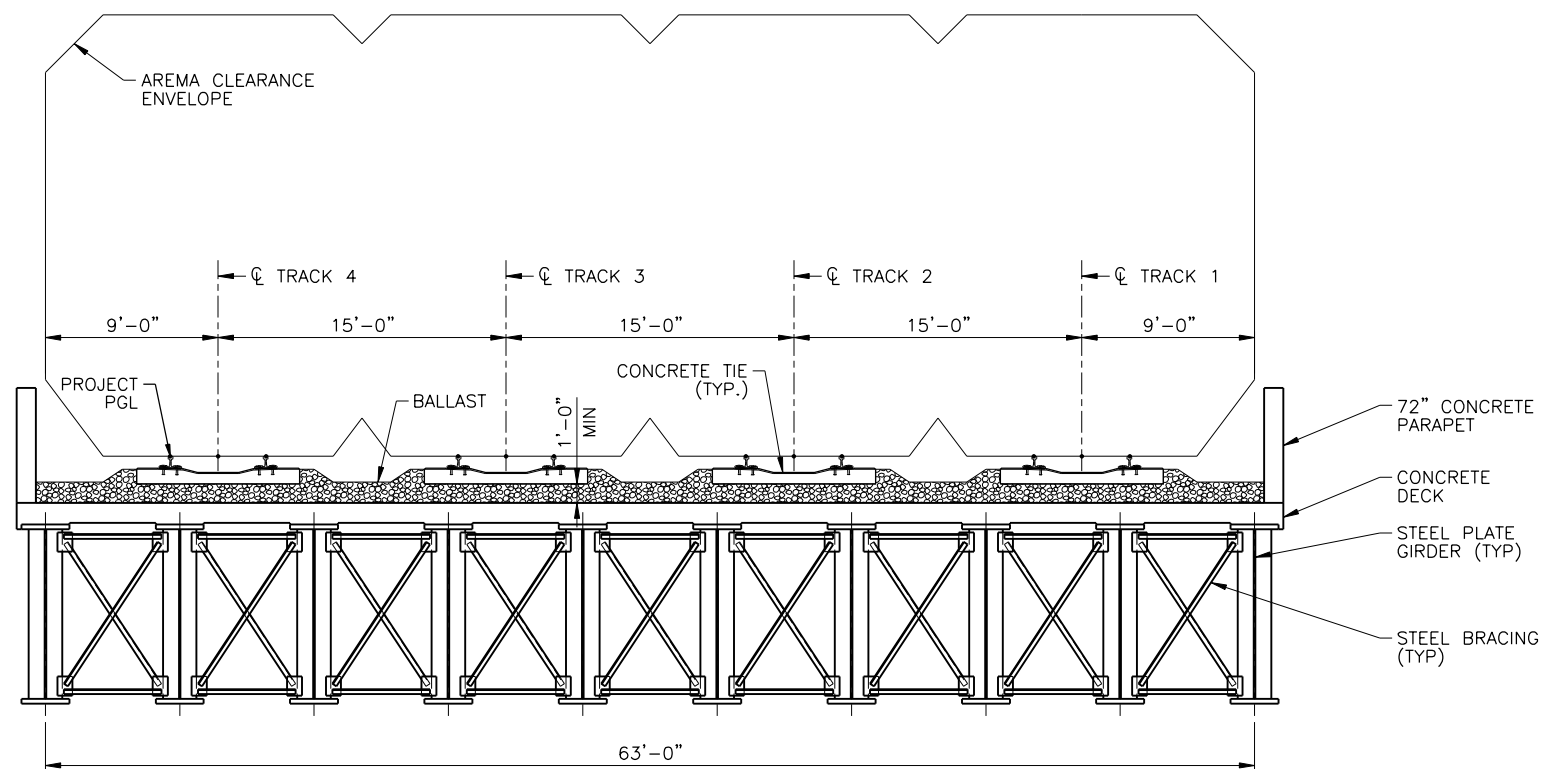
0 5 10
SCALE: 1" = 10'-0"

Thursday, March 21, 2019 AT 01:04 PM

T-314 kmccconless



WASHINGTON CHANNEL UNDERGRADE BRIDGE
INITIAL CONDITION
377+50 TO 379+00



WASHINGTON CHANNEL UNDERGRADE BRIDGE
FINAL CONDITION
377+50 TO 379+00

NOTES:

- EXISTING BRIDGE DEMOLITION AND NEW BRIDGE WIDENING WILL BE STAGED TO PROVIDE TWO TRACKS DURING CONSTRUCTION.
- AREMA CLEARANCE ENVELOPE IS SHOWN FOR TANGENT TRACK WITHOUT CURVE CORRECTIONS.

CE PLANS – FINAL
MARCH 22, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

PROJECT ENG. _____
DESIGNED BY HNTB
CHECKED BY BDH
DRAWN BY DJJ
PROJECT MGR. _____

"RO" TO "L'ENFANT"
TYPICAL SECTIONS (15 OF 19)

DIVISION CHIEF

DATE MARCH 22, 2019

FILE

SHEET 48 OF 72



NO.	DESCRIPTION	NAME	DATE

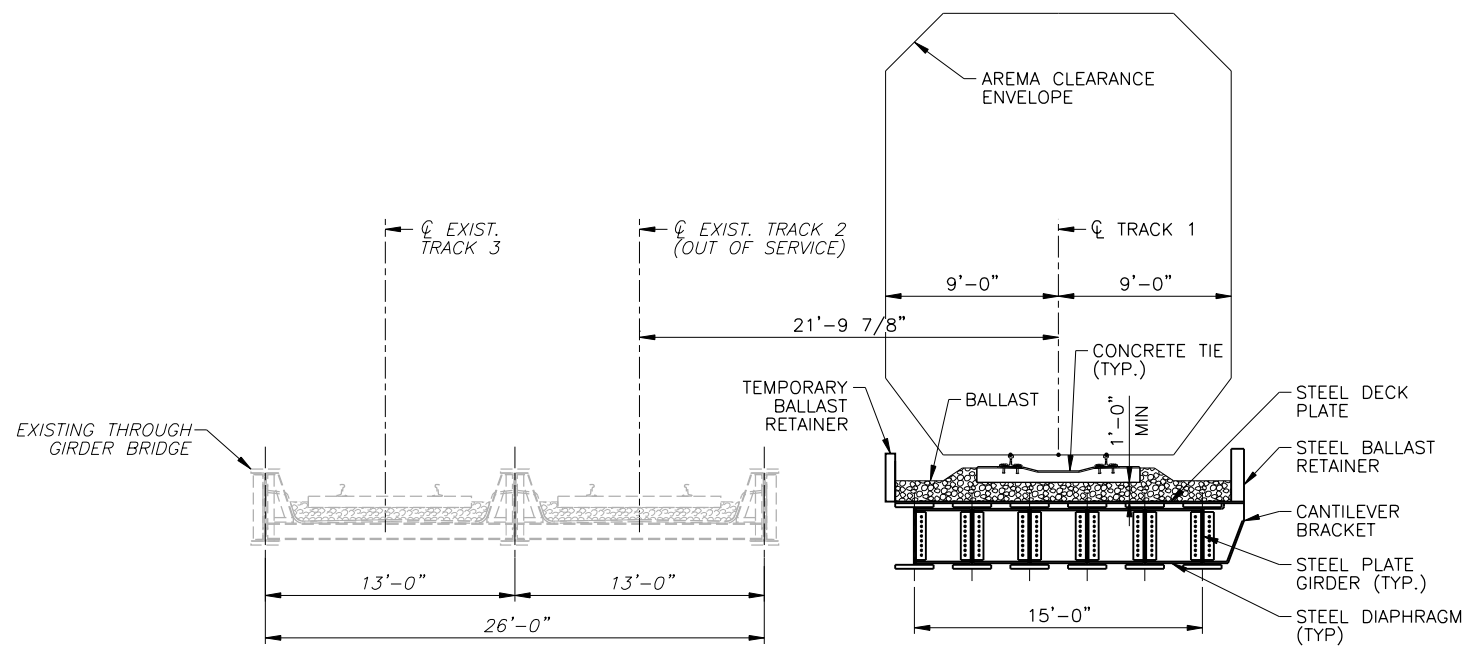
REVISIONS

0 5 10
SCALE: 1" = 10'-0"

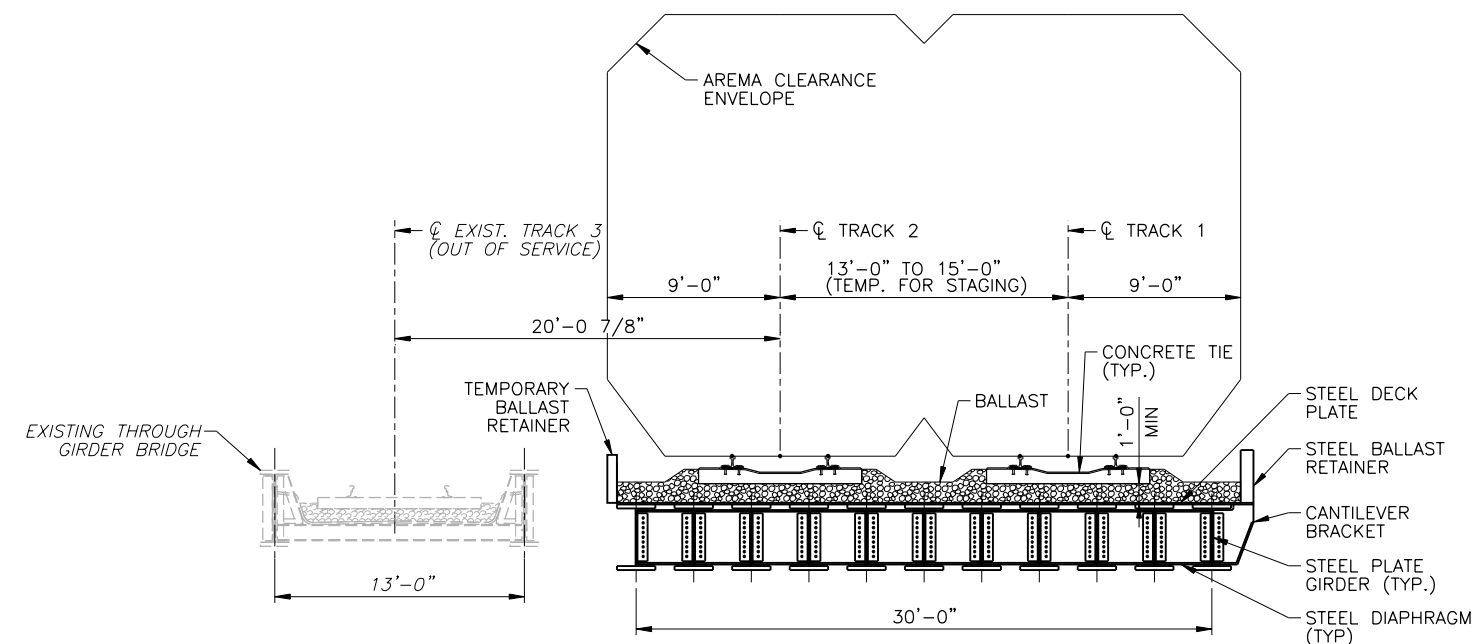
T-315
Thursday, March 21, 2019 AT 01:05 PM

kmccomless

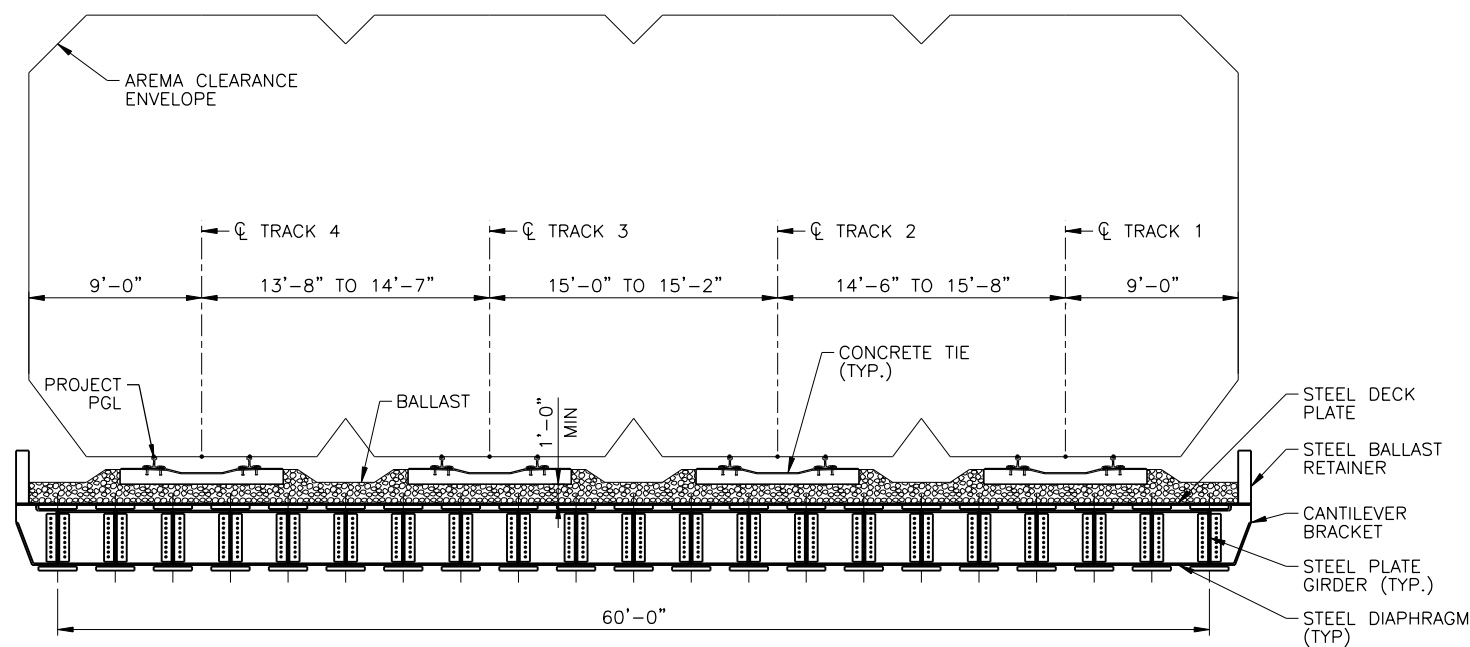
01:05 PM



INITIAL CONDITION



INTERMEDIATE CONDITION



FINAL CONDITION

- NOTES:
1. VERTICAL ROADWAY CLEARANCE BELOW BRIDGE MATCHES EXISTING OF 14'.
 2. AREMA CLEARANCE ENVELOPE IS SHOWN FOR TANGENT TRACK WITHOUT CURVE CORRECTIONS.

MAINE AVENUE SW UNDERGRADE BRIDGE
381+35 TO 383+00

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

PROJECT ENG. _____
DESIGNED BY HNTB
CHECKED BY BDH
DRAWN BY DJS
PROJECT MGR. _____

"RO" TO "L'ENFANT"
TYPICAL SECTIONS (17 OF 19)

DIVISION CHIEF

DATE MARCH 22, 2019

FILE _____

SHEET 50 OF 72



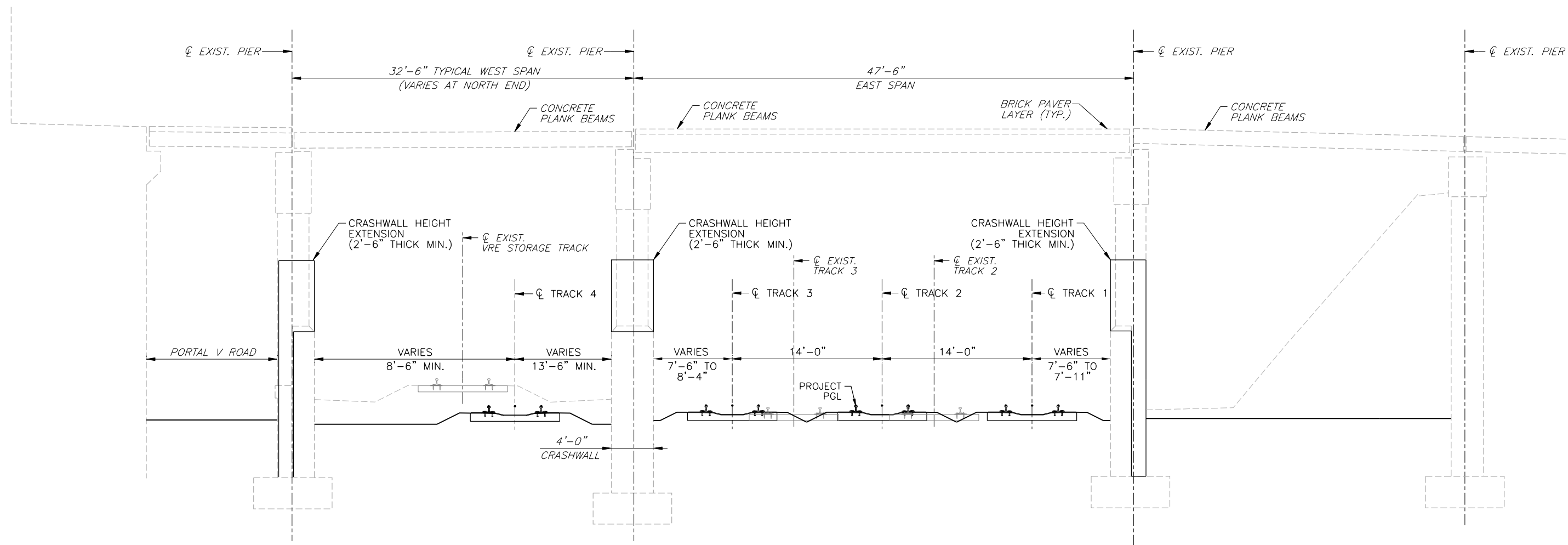
NO.	DESCRIPTION	NAME	DATE

REVISIONS

0 5 10
SCALE: 1" = 10'-0"

Thursday, March 21, 2019 AT 01:06 PM

T-317 kmccconless



MARYLAND AVENUE SW OVERHEAD BRIDGE
386+25 TO 393+00

CE PLANS - FINAL
MARCH 22, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

PROJECT ENG. _____
DESIGNED BY HNTB
CHECKED BY BDH
DRAWN BY DJJ
PROJECT MGR. _____

"RO" TO "L'ENFANT"
TYPICAL SECTIONS (19 OF 19)

DIVISION CHIEF

DATE MARCH 22, 2019

FILE _____

SHEET 52 OF 72



NO.	DESCRIPTION	NAME	DATE

REVISIONS

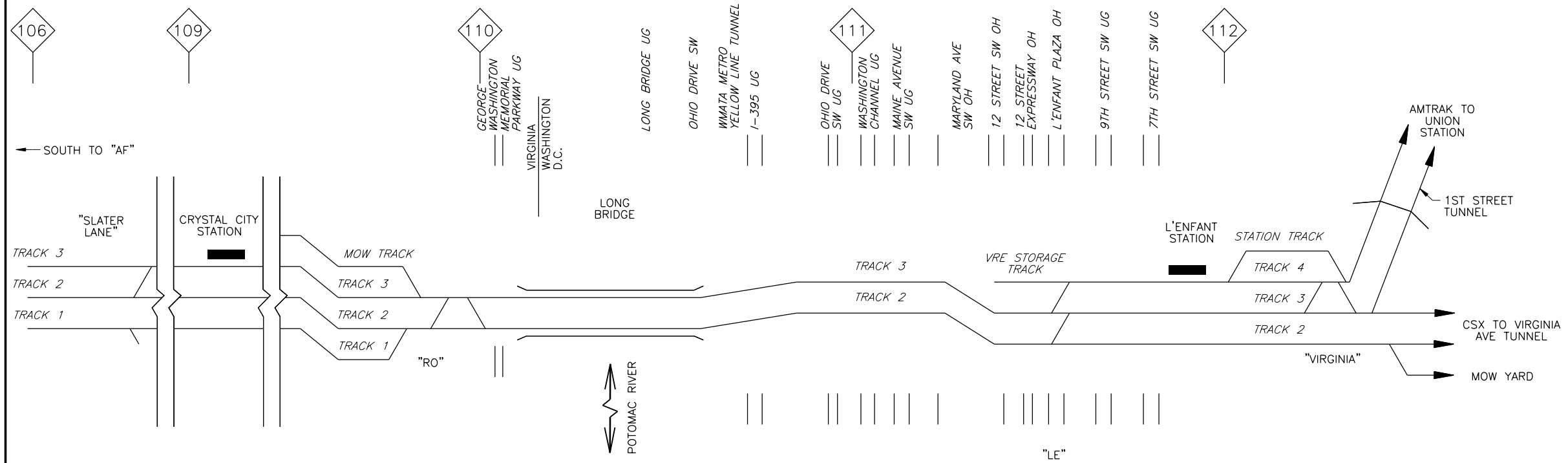
0 5 10
SCALE: 1" = 10'-0"

T-319
kmccomless

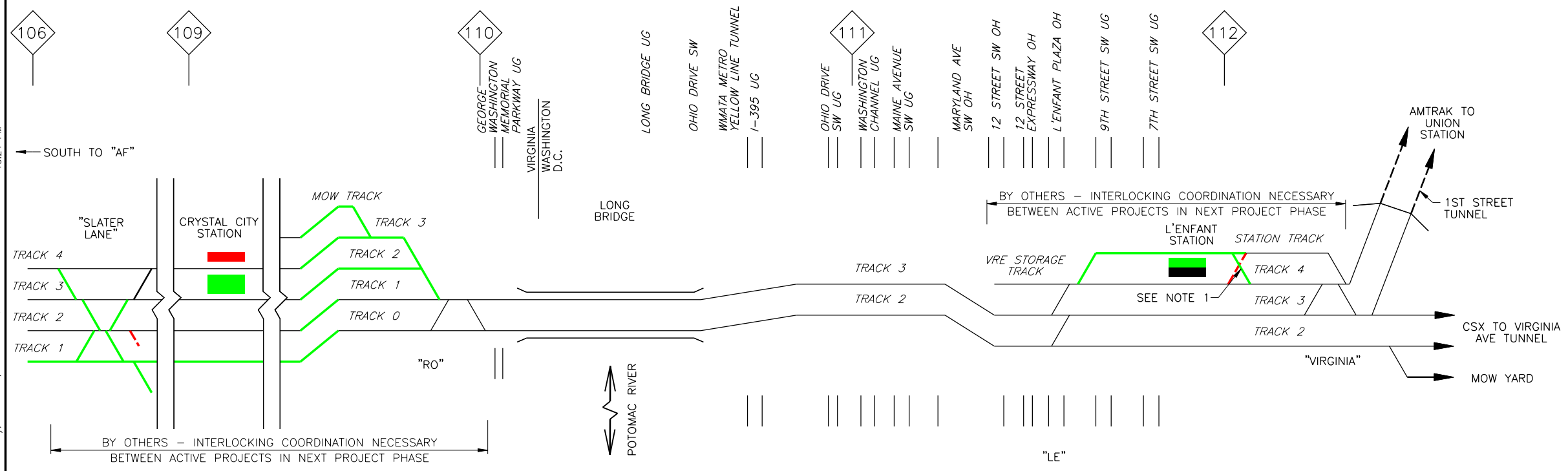
Thursday, March 21, 2019 AT 01:07 PM

01:07 PM

EXISTING CONDITION



FUTURE NO-BUILD



ASSUMPTIONS

- L'ENFANT STATION PROJECT COMPLETE WITH ASSUMED CONFIGURATION. PROPOSED INTERLOCKINGS OUTSIDE OF PROJECT LIMITS SHOWN FOR CONSTRUCTION STAGING ONLY. DESIGN TO BE COORDINATED AT LATER PHASE.
- VA DRPT DC2RVA 4TH TRACK PROJECT AND VA DRPT AF-RO 4TH TRACK PROJECT IS COMPLETE WITH THE FOLLOWING DESIGN DECISIONS:
 - BUILD ALTERNATIVE 1B CHOSEN FOR FUTURE "RO" CONFIGURATION
 - "RO" NORTHBOUND HOME SIGNAL PLACED AT FINAL LOCATION
 - TRACK SHIFTS FOR FUTURE "RO" INTERLOCKING TO BE PROVIDED AT END OF FUTURE NO-BUILD
 - "SLATER LANE" INTERLOCKING DESIGNED AS SHOWN (BASED ON MOST UP-TO-DATE PLANS AT TIME OF SUBMISSION)
- UTILITIES HAVE BEEN RELOCATED AS AN EARLY ACTION ITEM.

NOTES:

- FORMAL LONG BRIDGE PROJECT LIMITS END AT "RO" INTERLOCKING TO THE SOUTH. FUTURE COORDINATION WITH THE VA DRPT DC2RVA 4TH TRACK PROJECT IS REQUIRED.
- FORMAL LONG BRIDGE PROJECT LIMITS END AT "LE NORTH" INTERLOCKING TO THE NORTH. FUTURE COORDINATION WITH THE VRE L'ENFANT STATION 4TH TRACK PROJECT IS REQUIRED.

CONSTRUCTION LEGEND

- EXISTING TRACK
- RAISE AND SURFACE
- CONSTRUCT NEW
- ... TRACK TO BE SHIFTED
- ... AS SHIFTED
- - - REMOVE
- TRACK COMPLETED IN EARLIER PHASE
- EXISTING STRUCTURE
- - - PROPOSED STRUCTURE
- ... STRUCTURE COMPLETED IN EARLIER PHASE

CE PLANS - FINAL
MARCH 22, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
PHASING DIAGRAM -
EXISTING/FUTURE NO-BUILD

PROJECT ENG.	HNTB
DESIGNED BY	BDH
DRAWN BY	DJS
PROJECT MGR.	
DIVISION CHIEF	
DATE	MARCH 22, 2019
FILE	
SHEET	53 OF 72



NO.	DESCRIPTION	NAME	DATE

Thursday, March 21, 2019 AT 10:24 PM 10:24 PM

PHASE A PREWORK

CONSTRUCTION WORK

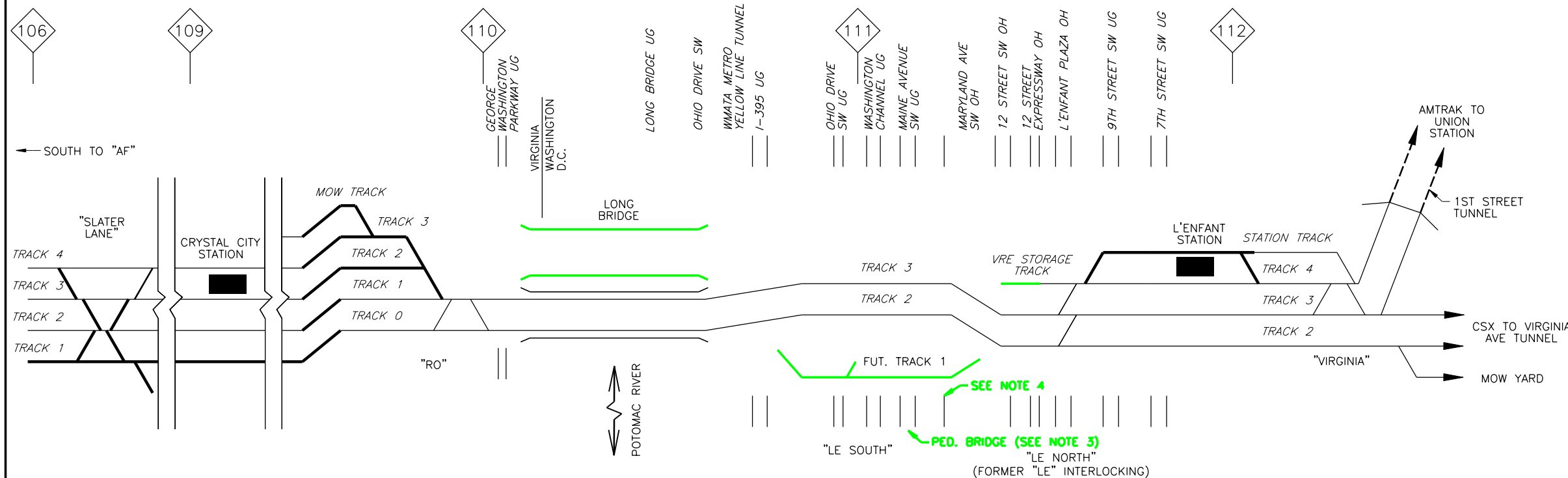
- BUILD FUT. TK 1 FROM I-395 TO MARYLAND AVENUE SW (CONSTRUCT OHIO DRIVE SW, WASHINGTON CHANNEL, MAINE AVENUE SW AND RETAINING WALLS TO SUPPORT TK 1).
- BUILD "LE SOUTH" 12A SWITCH.
- DEMOLISH PED. BRIDGE.
- CONSTRUCT PED. BRIDGE AFTER MAINE AVENUE SW BRIDGE IS BUILT.
- REMOVE VRE STORAGE TK. RECONFIGURE TRACK DRAINAGE SYSTEM.
- LOWER WEST BAY TK PROFILE AND REBUILD TO PLATE H CLEARANCE.
- INSTALL NEW C&S EQUIPMENT.
- BUILD UP CRASHWALLS UNDER MARYLAND AVENUE SW.
- BEGIN CONSTRUCTION OF NEW WEST RAIL BRIDGE OVER THE POTOMAC RIVER.

OPERATIONS NOTES

EXISTING OPERATIONS EXCEPT CLOSURE OF STORAGE TRACK FOUL TIME AS NEEDED

DURATION

16.5 MONTHS



PHASE A STAGE 1

CONSTRUCTION WORK

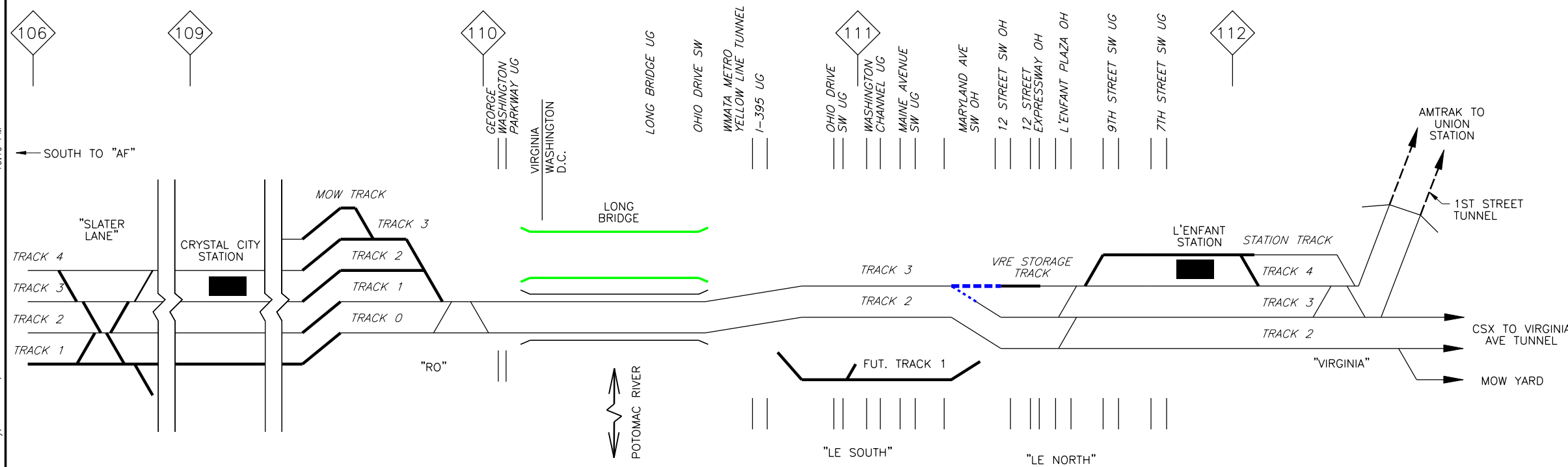
- CONNECT EX. TK 3 TO WEST BAY TK.

OPERATIONS NOTES

TRACK 3 OUT-OF-SERVICE "RO" TO "VIRGINIA"
NO ACCESS TO L'ENFANT STATION (STATION TRACK AND TRACK 4 OUT-OF-SERVICE)

DURATION

ONE NIGHT



CONSTRUCTION LEGEND

- EXISTING TRACK
- RAISE AND SURFACE
- CONSTRUCT NEW
- TRACK TO BE SHIFTED
- AS SHIFTED
- REMOVE
- TRACK COMPLETED IN EARLIER PHASE
- EXISTING STRUCTURE
- PROPOSED STRUCTURE
- STRUCTURE COMPLETED IN EARLIER PHASE

CE PLANS - FINAL
MARCH 22, 2019



NO.	DESCRIPTION	NAME	DATE

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
PHASING DIAGRAM -
PHASE A, PREWORK/STAGE 1

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

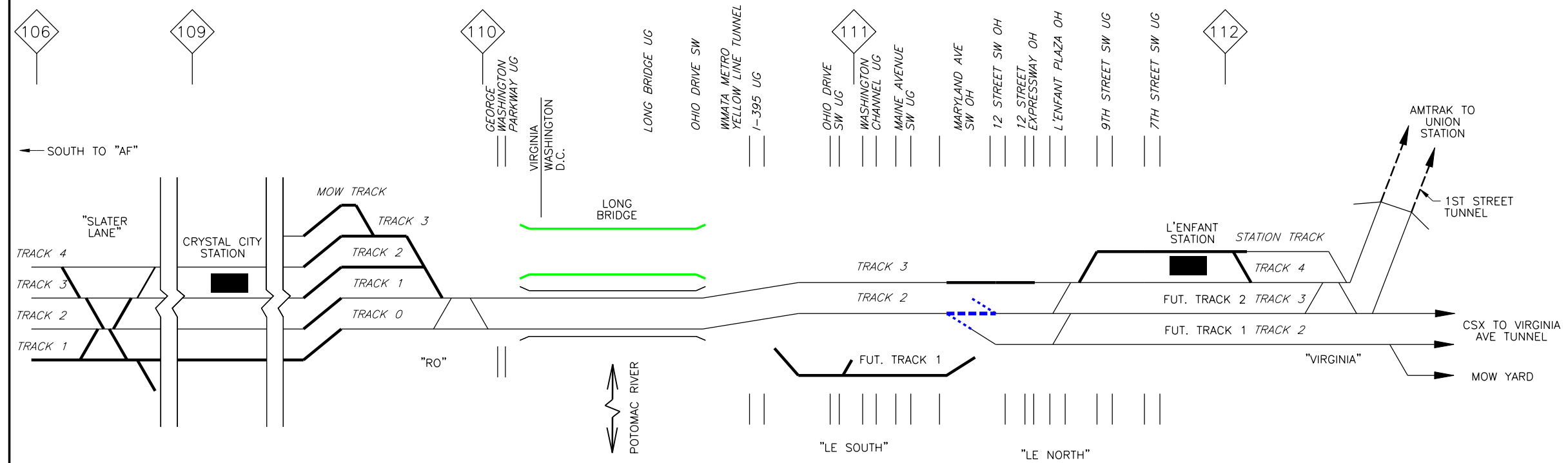
DIVISION CHIEF _____

DATE: MARCH 22, 2019
FILE: _____
SHEET 54 OF 72

Thursday, March 21, 2019 AT 10:19 PM 10:19 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-813	72

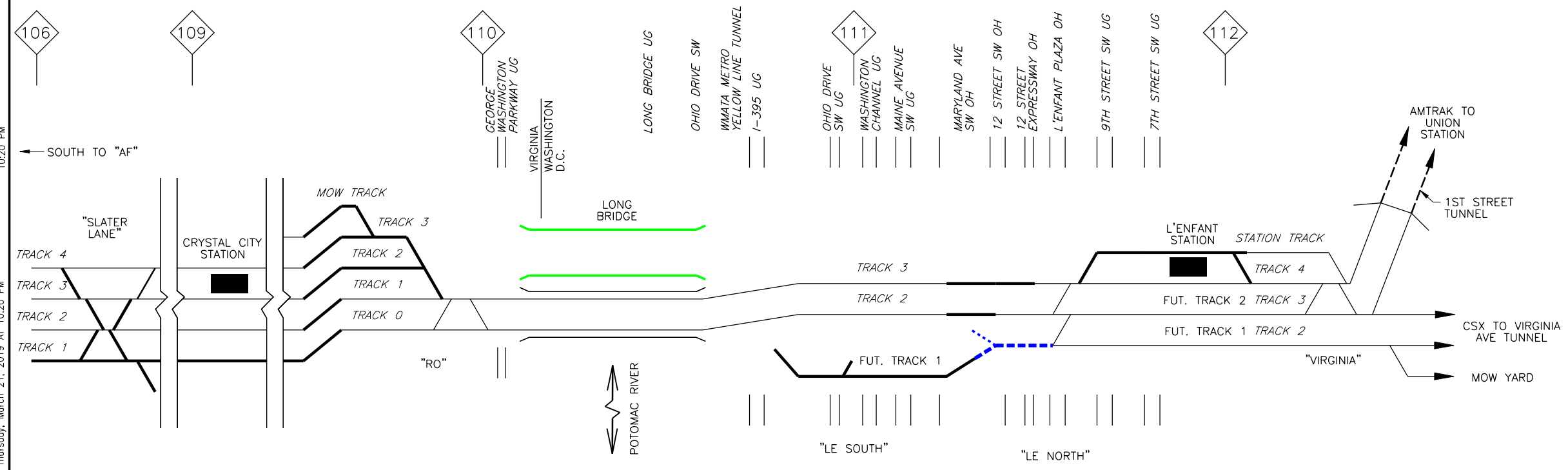
**PHASE A
STAGE 2**
CONSTRUCTION WORK
1. CONNECT EX. TK 2 TO EX. TK 3.



OPERATIONS NOTES
TRACK 2 OUT-OF-SERVICE NORTH OF "RO"
FUT. TRACK 2 OUT-OF-SERVICE "LE NORTH" TO "VIRGINIA"
CSXT SINGLE TRACK TO VIRGINIA AVENUE TUNNEL

DURATION
ONE NIGHT

**PHASE A
STAGE 3**
CONSTRUCTION WORK
1. CONNECT FUT. TK 1 TO FINAL ALIGNMENT.



OPERATIONS NOTES
FUT. TRACK 1 OUT-OF-SERVICE
CSXT SINGLE TRACK TO VIRGINIA AVENUE TUNNEL

DURATION
1 DAY

- CONSTRUCTION LEGEND**
- EXISTING TRACK
 - RAISE AND SURFACE
 - CONSTRUCT NEW
 - TRACK TO BE SHIFTED
 - AS SHIFTED
 - REMOVE
 - TRACK COMPLETED IN EARLIER PHASE
 - EXISTING STRUCTURE
 - PROPOSED STRUCTURE
 - STRUCTURE COMPLETED IN EARLIER PHASE

CE PLANS - FINAL
May 10, 2019



NO.	DESCRIPTION	NAME	DATE

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
PHASING DIAGRAM -
PHASE A, STAGE 2/3

PROJECT ENG.	HNTB
DESIGNED BY	BDH
CHECKED BY	DJS
DRAWN BY	DJS
PROJECT MGR.	
DIVISION CHIEF	
DATE	MARCH 22, 2019
FILE	
SHEET	55 OF 72

T-813
dssery
Thursday, March 21, 2019 AT 10:20 PM
10:20 PM

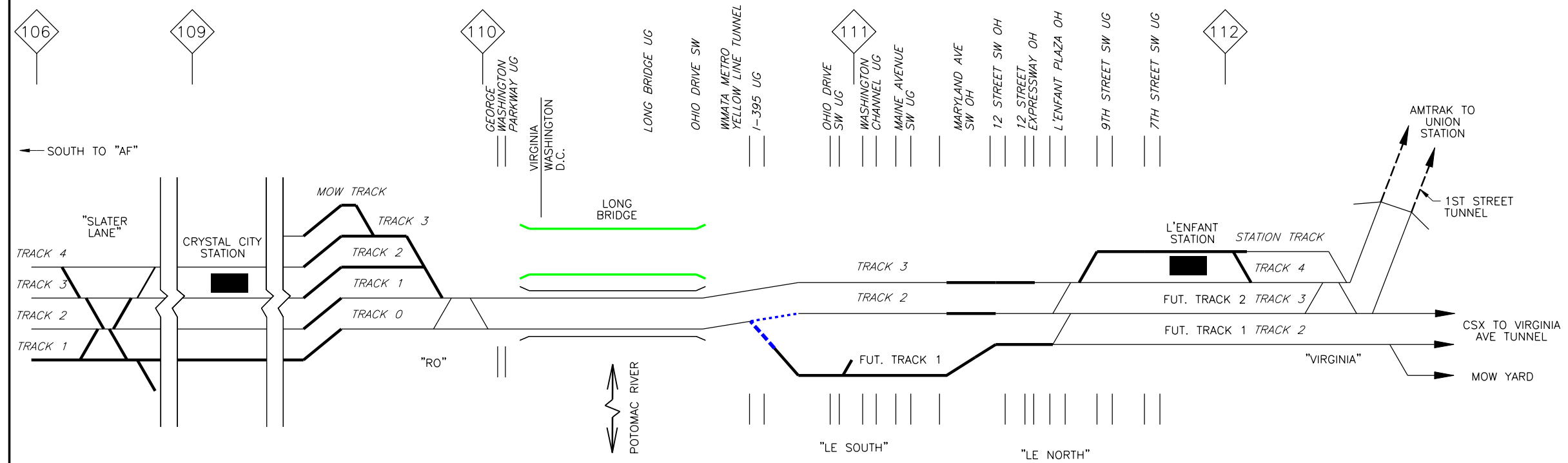
REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-814	72

**PHASE A
STAGE 4**
CONSTRUCTION WORK

- CONNECT/SHIFT FUT. TK 1 INTO SERVICE NORTH OF I-395.

OPERATIONS NOTES
TRACK 2 OUT-OF-SERVICE NORTH OF "RO"
CSXT SINGLE TRACK TO VIRGINIA AVENUE TUNNEL

DURATION
ONE NIGHT

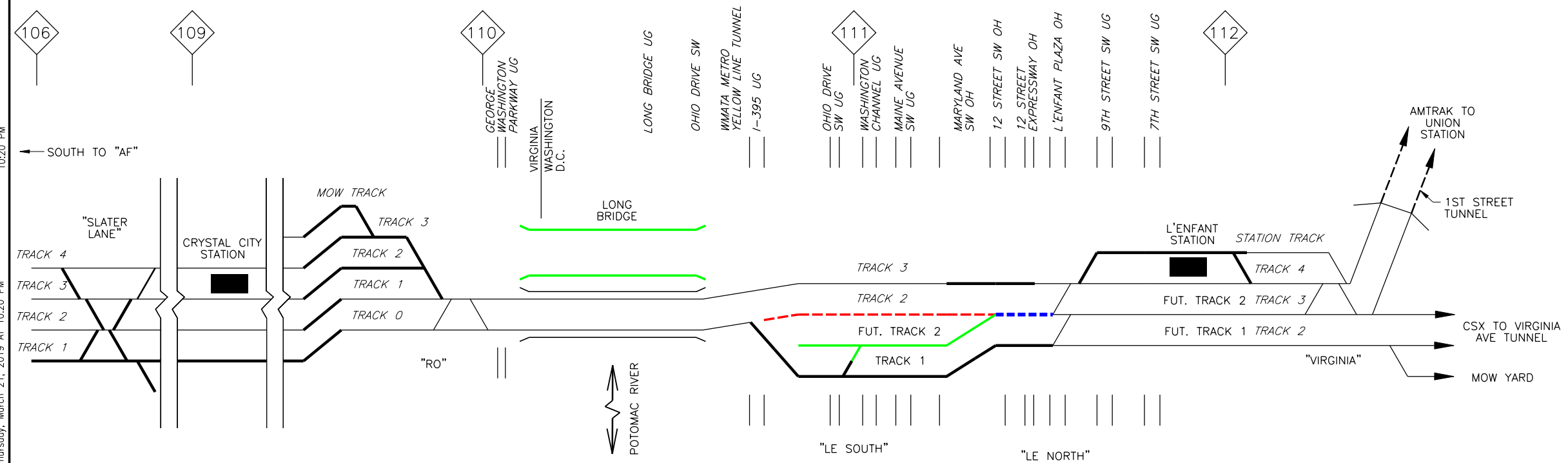


**PHASE A
STAGE 5**
CONSTRUCTION WORK

- REMOVE EX. TK 2 FROM I-395 TO MAINE AVENUE SW AND REMOVE MAINE AVENUE BRIDGE UNDER EX. TK 2.
- CONSTRUCT OHIO DRIVE SW, WASHINGTON CHANNEL, AND MAINE AVENUE SW TO SUPPORT FUT. TK 2. BUILD FUT. TK 2 FROM I-395 TO MAINE AVENUE SW.
- CONNECT AND SHIFT FUT. TK 2 FROM MAINE AVENUE SW TO "LE NORTH."
- BUILD "LE SOUTH" 12B SWITCH.
- BUILD BRIDGES OVER WMATA TUNNEL AND I-395 OFFLINE.
- BUILD WEST GEORGE WASHINGTON MEMORIAL PARKWAY BRIDGE.

OPERATIONS NOTES
NORMAL OPERATIONS

DURATION
21.5 MONTHS



CONSTRUCTION LEGEND

	EXISTING TRACK
	RAISE AND SURFACE
	CONSTRUCT NEW
	TRACK TO BE SHIFTED
	AS SHIFTED
	REMOVE
	TRACK COMPLETED IN EARLIER PHASE
	EXISTING STRUCTURE
	PROPOSED STRUCTURE
	STRUCTURE COMPLETED IN EARLIER PHASE

CE PLANS - FINAL
May 10, 2019



NO.	DESCRIPTION	NAME	DATE

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
PHASING DIAGRAM -
PHASE A, STAGE 4S

PROJECT ENG.	HNTB
DESIGNED BY	BDH
DRAWN BY	DJS
PROJECT MGR.	
DIVISION CHIEF	
DATE	MARCH 22, 2019
FILE	
SHEET	56 OF 72

T-814
dssery
Thursday, March 21, 2019 AT 10:20 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-815	72

**PHASE A
STAGE 6**

CONSTRUCTION WORK

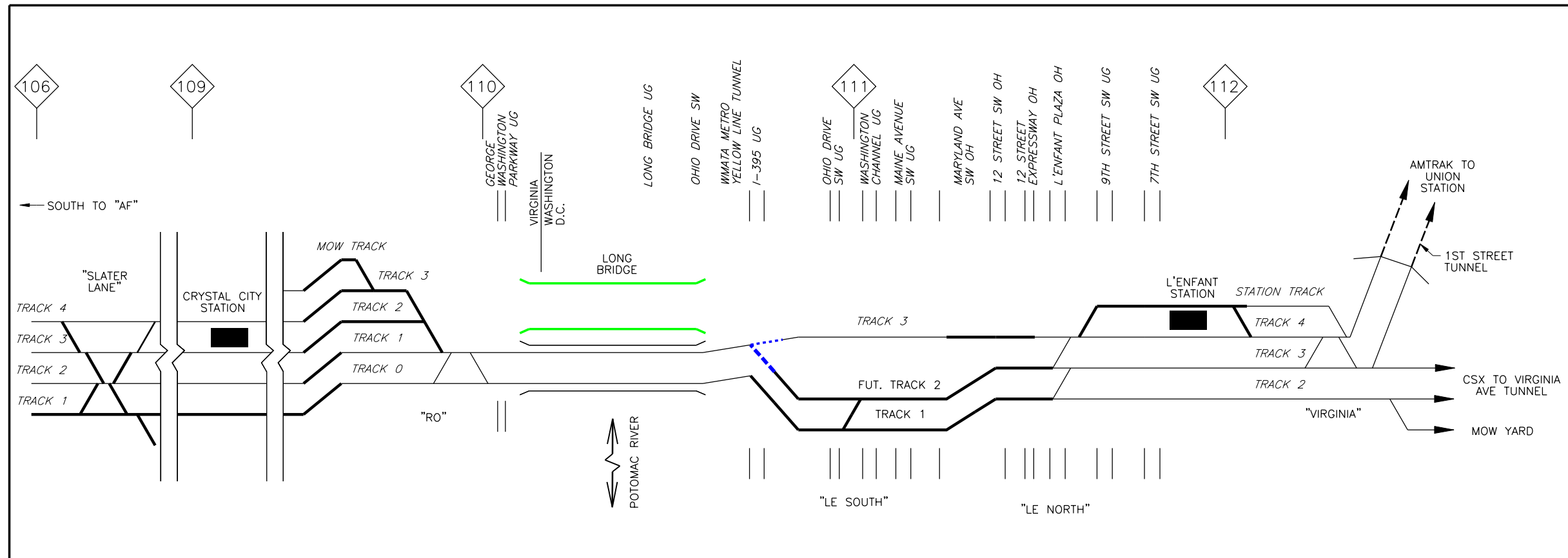
1. CONNECT SHIFT FUT. TK 2 INTO SERVICE NORTH OF I-395.

OPERATIONS NOTES

TRACK 3 OUT-OF-SERVICE "RO" TO "LE SOUTH"

DURATION

ONE NIGHT



**PHASE B
PREWORK**

CONSTRUCTION WORK

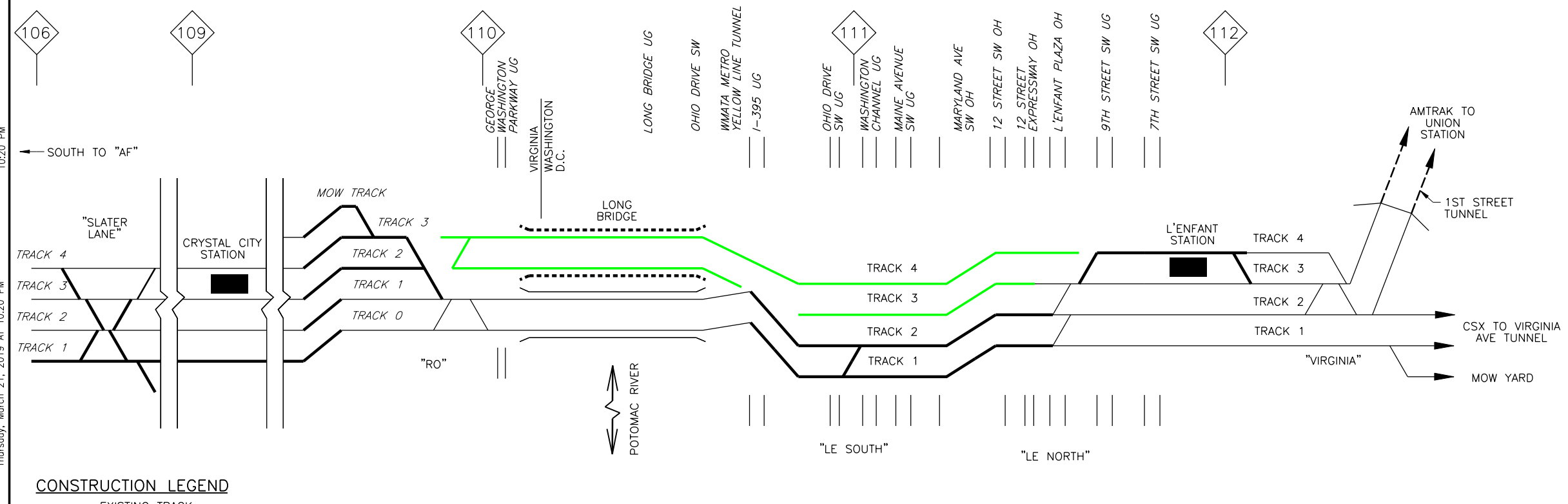
1. REMOVE EX. TK 3 FROM I-395 TO MAINE AVENUE SW. REMOVE REMAINING STRUCTURES OF OHIO DRIVE SW, WASHINGTON CHANNEL, AND MAINE AVENUE SW. BUILD FUT. TK 3 & 4 STRUCTURES AND TRACK OVER SAME LIMITS INCLUDING RETAINING WALLS.
2. CONSTRUCT ALL WEST RETAINING WALLS "RO" TO "LE SOUTH."
3. FINISH CONSTRUCTION OF NEW WEST RAIL BRIDGE OVER THE POTOMAC.
4. CONSTRUCT FUT. TK 3 & 4 FROM "RO" TO "LE NORTH."
5. BUILD "RO" 34 CROSSOVER.

OPERATIONS NOTES

NORMAL OPERATIONS

DURATION

18 MONTHS



CONSTRUCTION LEGEND

	EXISTING TRACK
	RAISE AND SURFACE
	CONSTRUCT NEW
	TRACK TO BE SHIFTED
	AS SHIFTED
	REMOVE
	TRACK COMPLETED IN EARLIER PHASE
	EXISTING STRUCTURE
	PROPOSED STRUCTURE
	STRUCTURE COMPLETED IN EARLIER PHASE

CE PLANS - FINAL
May 10, 2019



NO.	DESCRIPTION	NAME	DATE

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
PHASING DIAGRAM -
PHASE A, STAGE 6/PHASE B PREWORK

PROJECT ENG. _____	DESIGNED BY _____
CHECKED BY _____	DRAWN BY _____
PROJECT MGR. _____	DIVISION CHIEF _____
DATE _____	FILE _____
SHEET 57 OF 72	

T-815
dssery
Thursday, March 21, 2019 AT 10:20 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-816	72

**PHASE B
STAGE 1**

CONSTRUCTION WORK

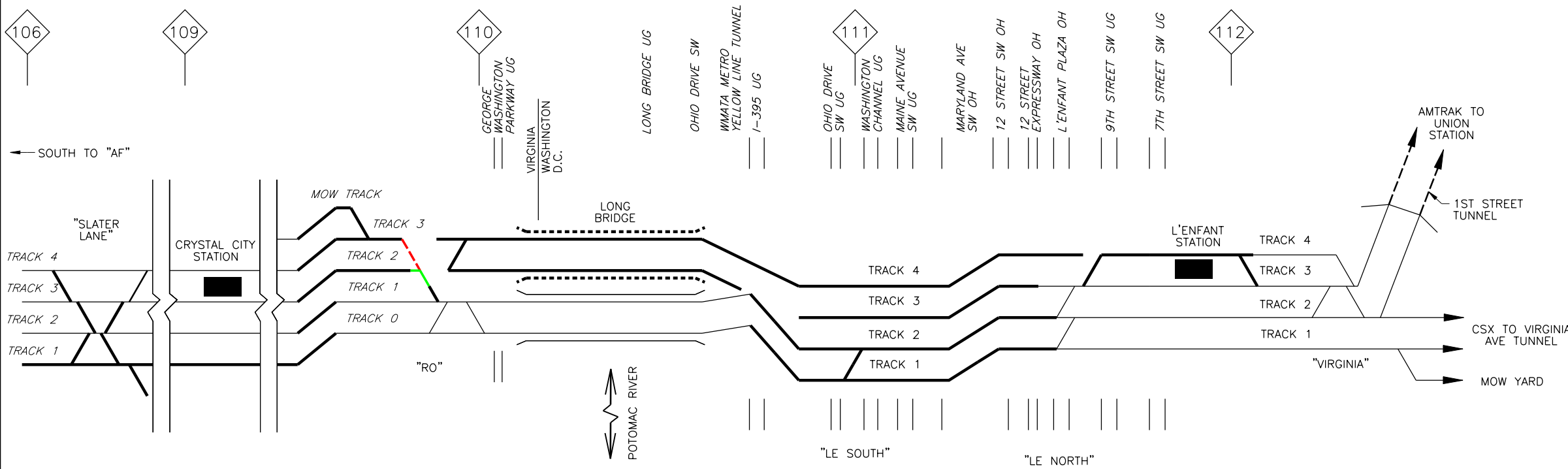
1. REMOVE EX. TK 3 "RO" SWITCH.
2. BUILD RETURN CURVE TO EX. TK 2.

OPERATIONS NOTES

FUT. TRACK 3 & 4 OUT-OF-SERVICE "SLATERS LANE" TO "LE NORTH"
NO ACCESS TO CRYSTAL CITY STATION

DURATION

ONE 55-HOUR WEEKEND OUTAGE



**PHASE B
STAGE 2**

CONSTRUCTION WORK

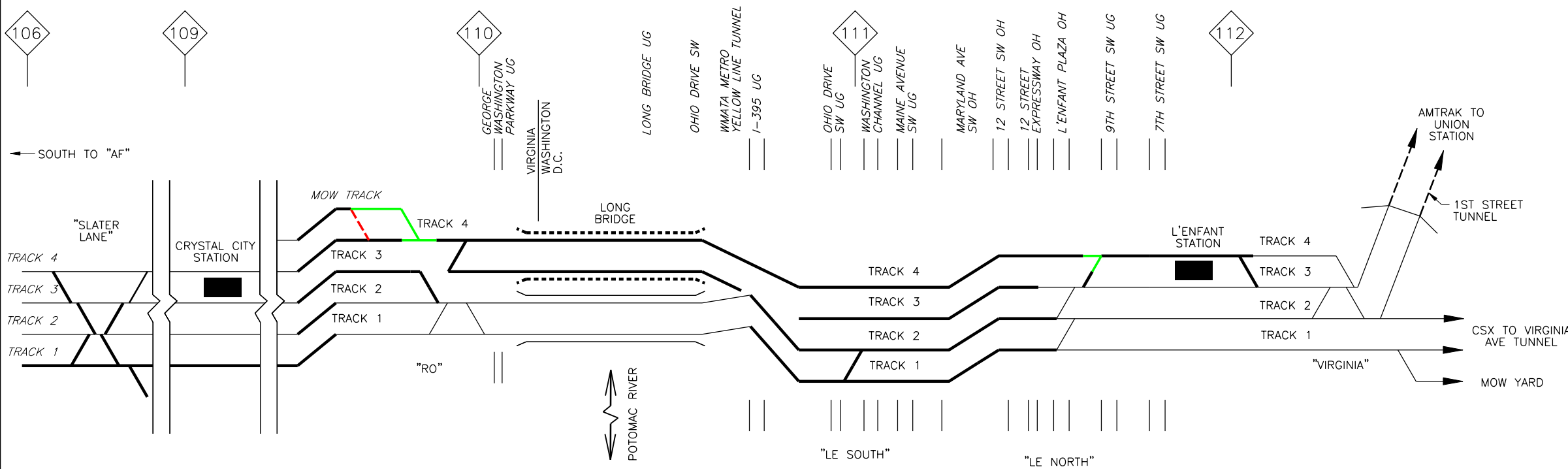
1. BUILD TK 4 AT "RO" AND RELOCATE MOW TRACK TURNOUT.
2. BUILD TK 4 AT "LE NORTH".
3. CONSTRUCT 34 CROSSOVER.

OPERATIONS NOTES

TRACK 4 OUT-OF-SERVICE "SLATERS LANE" TO "VIRGINIA"
SINGLE TRACK ACCESS TO CRYSTAL CITY STATION
SINGLE TRACK ACCESS TO L'ENFANT STATION

DURATION

THREE 55-HOUR WEEKEND OUTAGE



CONSTRUCTION LEGEND

- EXISTING TRACK
- RAISE AND SURFACE
- CONSTRUCT NEW
- TRACK TO BE SHIFTED
- AS SHIFTED
- REMOVE
- TRACK COMPLETED IN EARLIER PHASE
- EXISTING STRUCTURE
- PROPOSED STRUCTURE
- STRUCTURE COMPLETED IN EARLIER PHASE

CE PLANS - FINAL
May 10, 2019



NO.	DESCRIPTION	NAME	DATE

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
PHASING DIAGRAM -
PHASE B, STAGE 1/2

PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJS
PROJECT MGR. _____

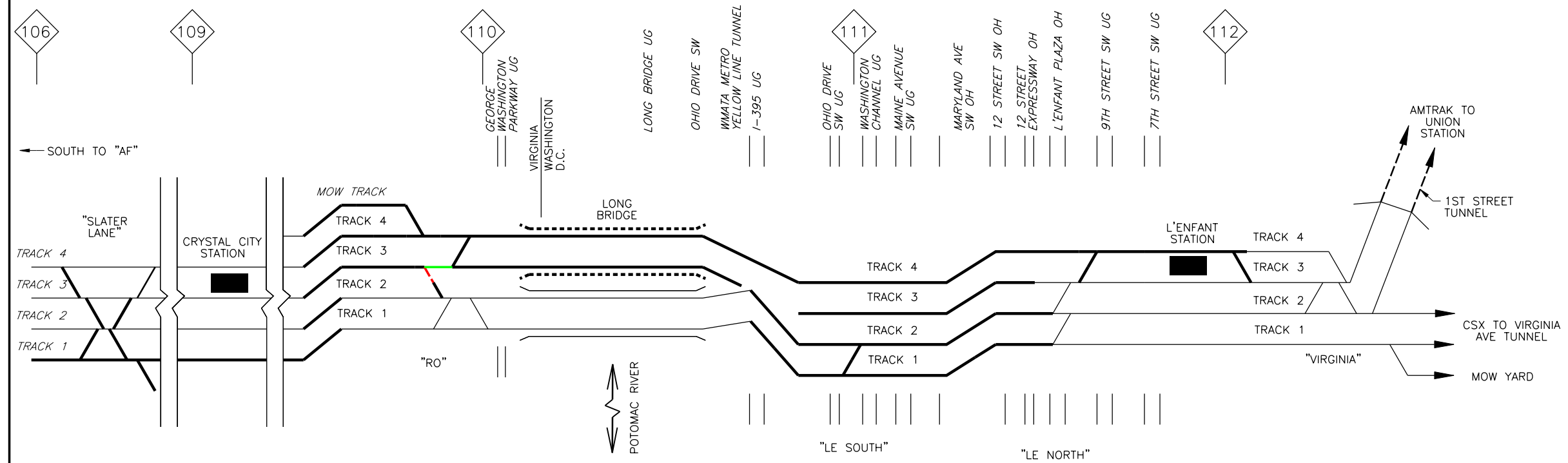
DIVISION CHIEF _____

DATE: MARCH 22, 2019
FILE: _____
SHEET 58 OF 72

T-816
dssery
Thursday, March 21, 2019 AT 10:20 PM
10:20 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-817	72

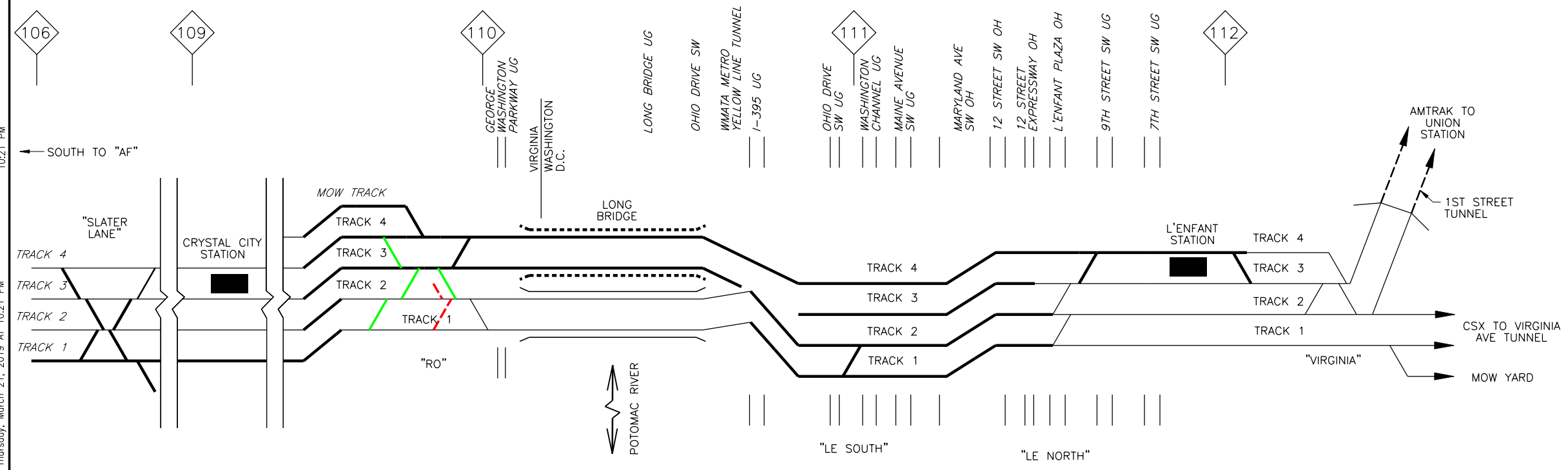
**PHASE B
STAGE 3**
CONSTRUCTION WORK
1. CONNECT TK 3 AT "RO."



OPERATIONS NOTES
TRACK 3 OUT-OF-SERVICE "SLATERS LANE" TO "RO"
SINGLE TRACK ACCESS TO CRYSTAL CITY STATION

DURATION
ONE 55-HOUR WEEKEND OUTAGES

**PHASE B
STAGE 4**
CONSTRUCTION WORK
1. REMOVE EX. "RO" TURNOUT.
2. REMOVE "RO" 12 CROSSOVER ONE SWITCH PER OUTAGE.
3. INSTALL REMAINING "RO" CROSSOVERS ONE SWITCH PER OUTAGE.



OPERATIONS NOTES
TWO TRACKS IN SERVICE EACH OUTAGE

DURATION
ELEVEN 55-HOUR WEEKEND OUTAGES

- CONSTRUCTION LEGEND**
- EXISTING TRACK
 - RAISE AND SURFACE
 - CONSTRUCT NEW
 - TRACK TO BE SHIFTED
 - AS SHIFTED
 - - - REMOVE
 - TRACK COMPLETED IN EARLIER PHASE
 - EXISTING STRUCTURE
 - PROPOSED STRUCTURE
 - STRUCTURE COMPLETED IN EARLIER PHASE

CE PLANS - FINAL
May 10, 2019



NO.	DESCRIPTION	NAME	DATE

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
PHASING DIAGRAM -
PHASE B, STAGE 3/4

PROJECT ENG.	HNTB
DESIGNED BY	BDH
CHECKED BY	DJS
DRAWN BY	DJS
PROJECT MGR.	
DIVISION CHIEF	
DATE	MARCH 22, 2019
FILE	
SHEET	59 OF 72

T-817
dssery
Thursday, March 21, 2019 AT 10:21 PM
10:21 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-818	72

**PHASE B
STAGE 5**

CONSTRUCTION WORK

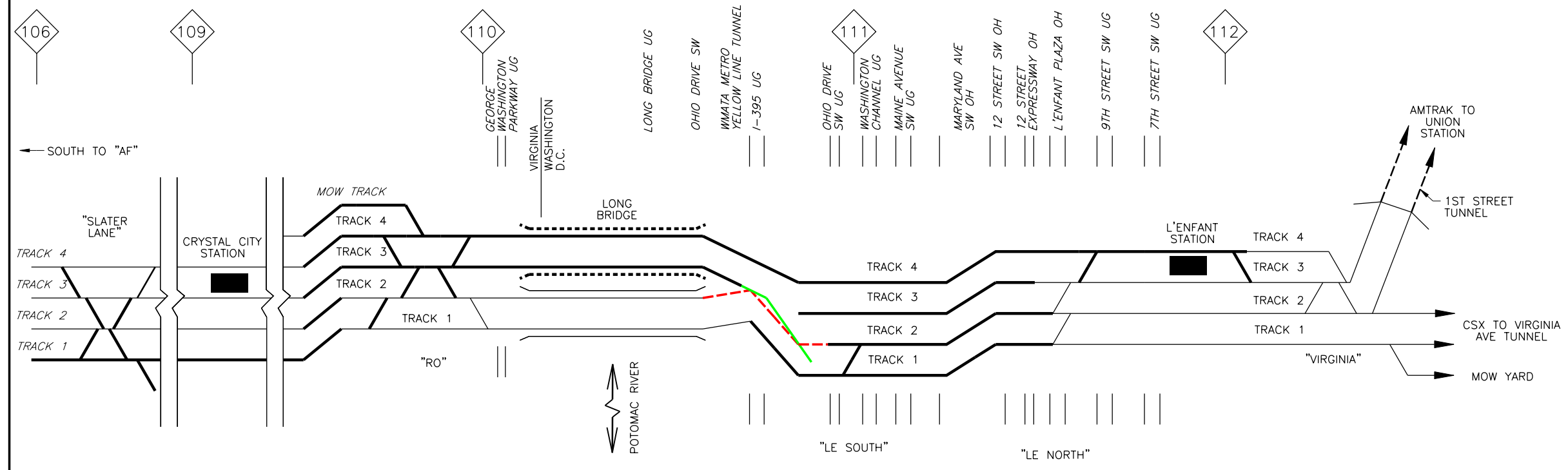
1. REMOVE TK3/2.
2. CONSTRUCT TEMPORARY TK 3 OVER I-395 WITH TEMPORARY SHEETING AND NEW ROADBED.

OPERATIONS NOTES

NORMAL OPERATIONS

DURATION

THREE WEEKS



**PHASE B
STAGE 6**

CONSTRUCTION WORK

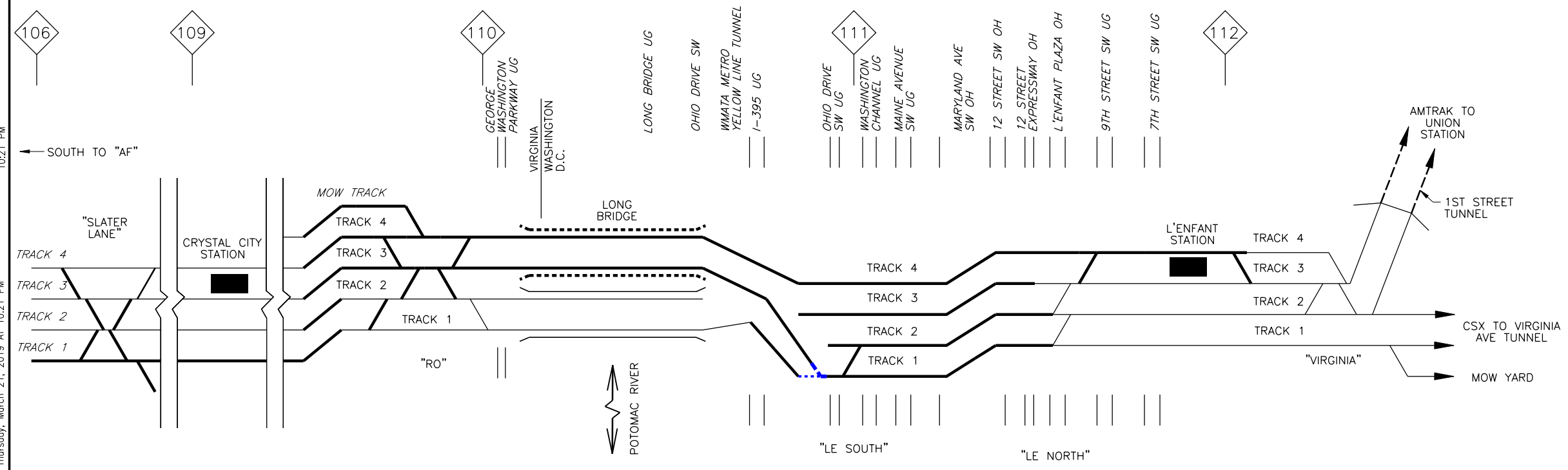
1. CONNECT SHIFT TRACK 3 TO TRACK 1.

OPERATIONS NOTES

TRACKS 1, 2 & 3 OUT-OF-SERVICE "RO" TO "VIRGINIA"

DURATION

ONE NIGHT



CONSTRUCTION LEGEND

	EXISTING TRACK
	RAISE AND SURFACE
	CONSTRUCT NEW
	TRACK TO BE SHIFTED
	AS SHIFTED
	REMOVE
	TRACK COMPLETED IN EARLIER PHASE
	EXISTING STRUCTURE
	PROPOSED STRUCTURE
	STRUCTURE COMPLETED IN EARLIER PHASE

CE PLANS - FINAL
May 10, 2019



NO.	DESCRIPTION	NAME	DATE

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
PHASING DIAGRAM -
PHASE B, STAGE 5/6

PROJECT ENG.	HNTB
DESIGNED BY	BDH
CHECKED BY	DJS
DRAWN BY	DJS
PROJECT MGR.	
DIVISION CHIEF	
DATE	MARCH 22, 2019
FILE	
SHEET	60 OF 72

T-818 dssery Thursday, March 21, 2019 AT 10:21 PM 10:21 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-819A	72

**PHASE C: ACTION ALTERNATIVE A
STAGE 1**

CONSTRUCTION WORK

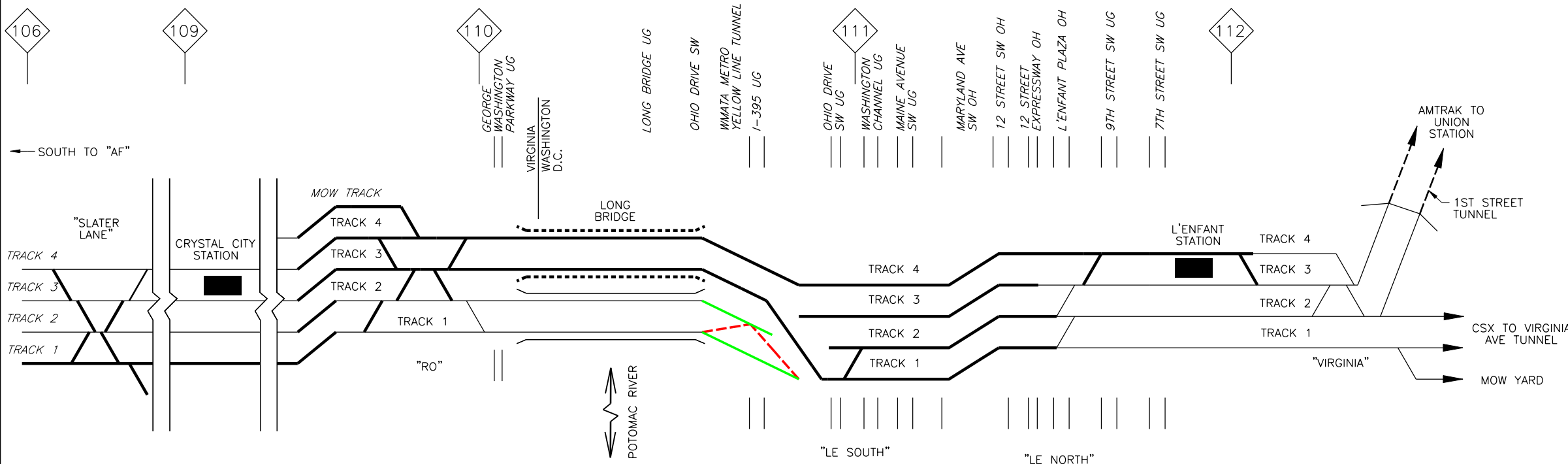
1. DEMO I-395 EAST BRIDGE. CONSTRUCT NEW BRIDGE.
2. REMOVE TRACK 1; BUILD RETAINING WALLS, NEW ROADBED AND OFFLINE PORTIONS OF TRACK 1 AND 2.

OPERATIONS NOTES

NORMAL OPERATIONS

DURATION

17 MONTHS



**PHASE C: ACTION ALTERNATIVE A
STAGE 2**

CONSTRUCTION WORK

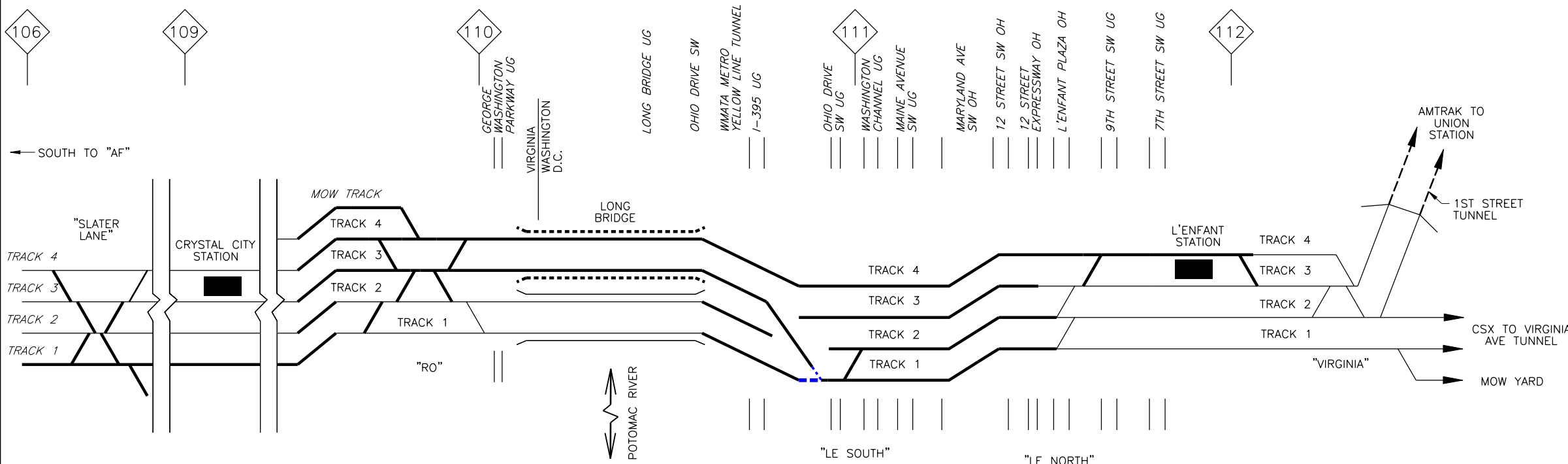
1. RECONNECT TRACK 1 TO EAST BRIDGE. SHIFT TRACK 1 TO FINAL ALIGNMENT.

OPERATIONS NOTES

TRACKS 1, 2 & 3 OUT-OF-SERVICE "RO" TO "VIRGINIA"
SINGLE TRACK TO VIRGINIA AVENUE TUNNEL & TO UNION STATION

DURATION

ONE NIGHT



CONSTRUCTION LEGEND

- EXISTING TRACK
- RAISE AND SURFACE
- CONSTRUCT NEW
- ... TRACK TO BE SHIFTED
- ... AS SHIFTED
- - - REMOVE
- TRACK COMPLETED IN EARLIER PHASE
- EXISTING STRUCTURE
- PROPOSED STRUCTURE
- ... STRUCTURE COMPLETED IN EARLIER PHASE

CE PLANS - FINAL
May 10, 2019



NO.	DESCRIPTION	NAME	DATE
REVISIONS			

D.C. DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION PROJECT MANAGEMENT DIVISION		PROJECT ENG. _____ DESIGNED BY: <u>HNTB</u> CHECKED BY: <u>BDH</u> DRAWN BY: <u>DJS</u> PROJECT MGR. _____
LONG BRIDGE PROJECT EIS CONCEPTUAL ENGINEERING PLANS TRACK ALIGNMENTS		DIVISION CHIEF _____
"RO" TO "L'ENFANT" PHASING DIAGRAM - ACTION ALTERNATIVE A, STAGE 1/2		DATE: <u>MARCH 22, 2019</u> FILE: _____ SHEET 61 OF 72

T-819A
dssery
Thursday, March 21, 2019 AT 10:21 PM
10:21 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		T-820A	72

**PHASE C: ACTION ALTERNATIVE A
STAGE 3**

CONSTRUCTION WORK

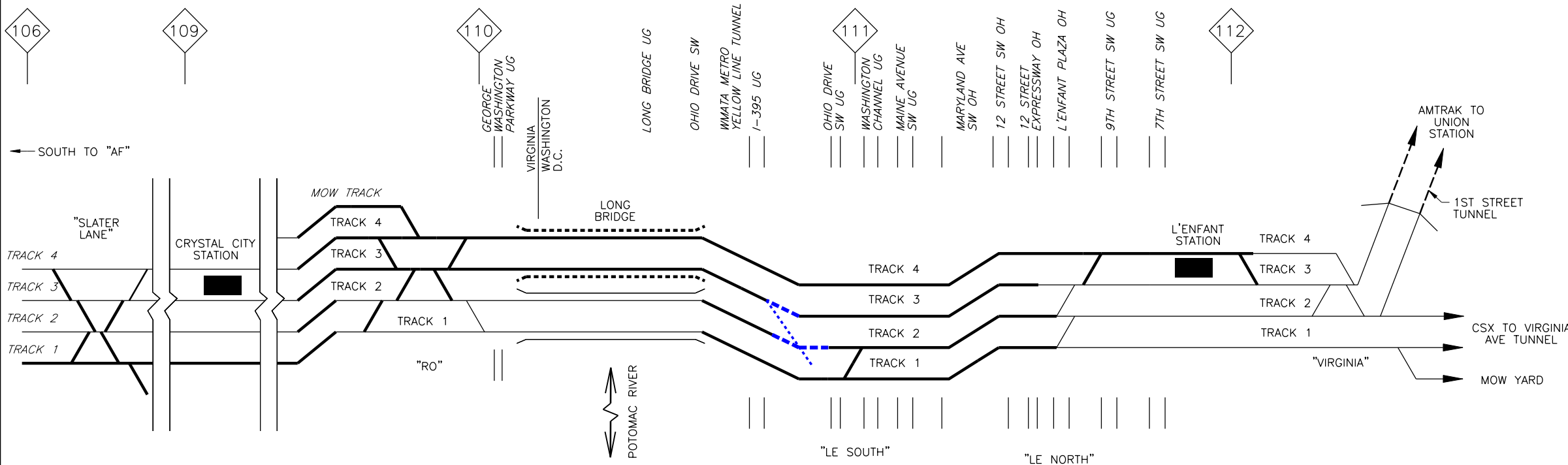
1. CONNECT TRACK 2 & 3 TO FINAL ALIGNMENT.

OPERATIONS NOTES

NORMAL OPERATIONS

DURATION

TWO DAYS



**PHASE C: ACTION ALTERNATIVE A
FINAL**

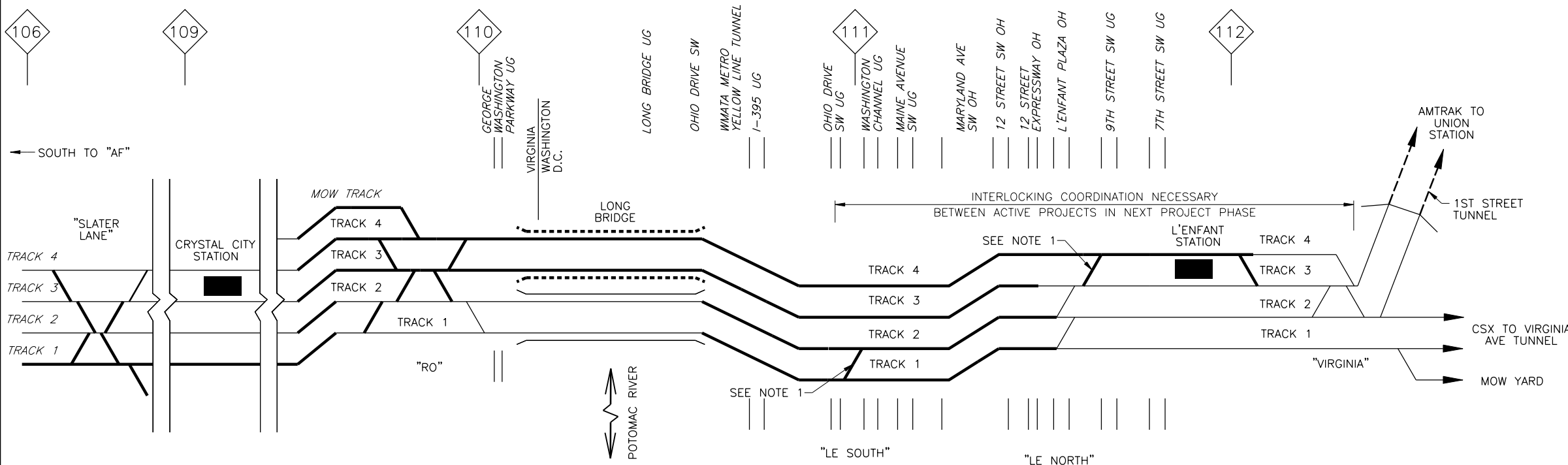
CONSTRUCTION WORK

1. "L'ENFANT NORTH" INTERLOCKING AND "L'ENFANT SOUTH" INTERLOCKING CONFIGURATION IS ASSUMED FOR CONSTRUCTION STAGING PURPOSES ONLY. ACTUAL INTERLOCKINGS TO BE DETERMINED AT LATER PHASE IN COORDINATION WITH OTHER ACTIVE PROJECTS AND OPERATIONAL NEEDS.

OPERATIONS NOTES

4-TRACK CORRIDOR IN SERVICE
"RO" TO "VIRGINIA"

DURATION



CONSTRUCTION LEGEND

- EXISTING TRACK
- RAISE AND SURFACE
- CONSTRUCT NEW
- TRACK TO BE SHIFTED
- AS SHIFTED
- REMOVE
- TRACK COMPLETED IN EARLIER PHASE
- EXISTING STRUCTURE
- PROPOSED STRUCTURE
- STRUCTURE COMPLETED IN EARLIER PHASE

**CE PLANS - FINAL
May 10, 2019**



NO.	DESCRIPTION	NAME	DATE

D.C. DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION PROJECT MANAGEMENT DIVISION	
LONG BRIDGE PROJECT EIS CONCEPTUAL ENGINEERING PLANS TRACK ALIGNMENTS	PROJECT ENG. _____ DESIGNED BY: HNTB CHECKED BY: BDH DRAWN BY: DJG PROJECT MGR. _____
"RO" TO "L'ENFANT" PHASING DIAGRAM - ACTION ALTERNATIVE A, STAGE 3/FINAL	DIVISION CHIEF _____ DATE: MARCH 22, 2019 FILE _____ SHEET 62 OF 72

T-820A
Thursday, March 21, 2019 AT 10:21 PM
10:21 PM
dssey

**PHASE C: ACTION ALTERNATIVE B
STAGE 1**

CONSTRUCTION WORK

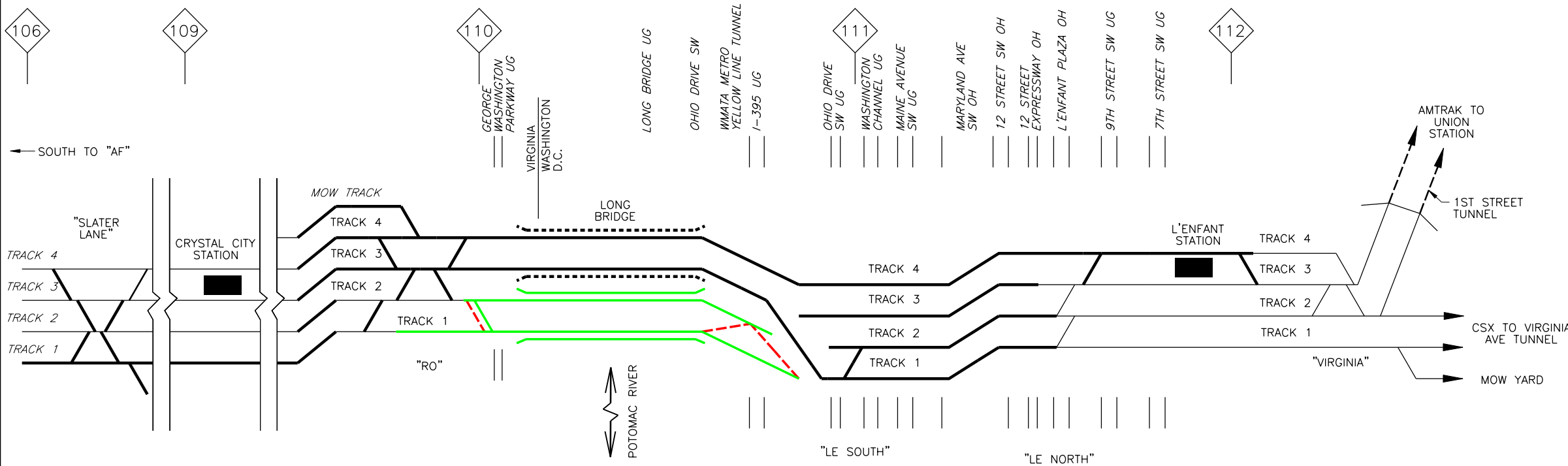
1. DEMO EAST LONG BRIDGE, I-395 EAST BRIDGE, AND GEORGE WASHINGTON MEMORIAL PARKWAY EAST BRIDGE. CONSTRUCT NEW BRIDGES.
2. REMOVE 21 CROSSOVER IN "RO". CONSTRUCT NEW CROSSOVER AT NEW TRACK CENTERS.
3. REMOVE TRACK 1 & 2; BUILD RETAINING WALLS, NEW ROADBED AND OFFLINE PORTIONS OF TRACK 1 AND 2.

OPERATIONS NOTES

NORMAL OPERATIONS

DURATION

36 MONTHS



**PHASE C: ACTION ALTERNATIVE B
STAGE 2**

CONSTRUCTION WORK

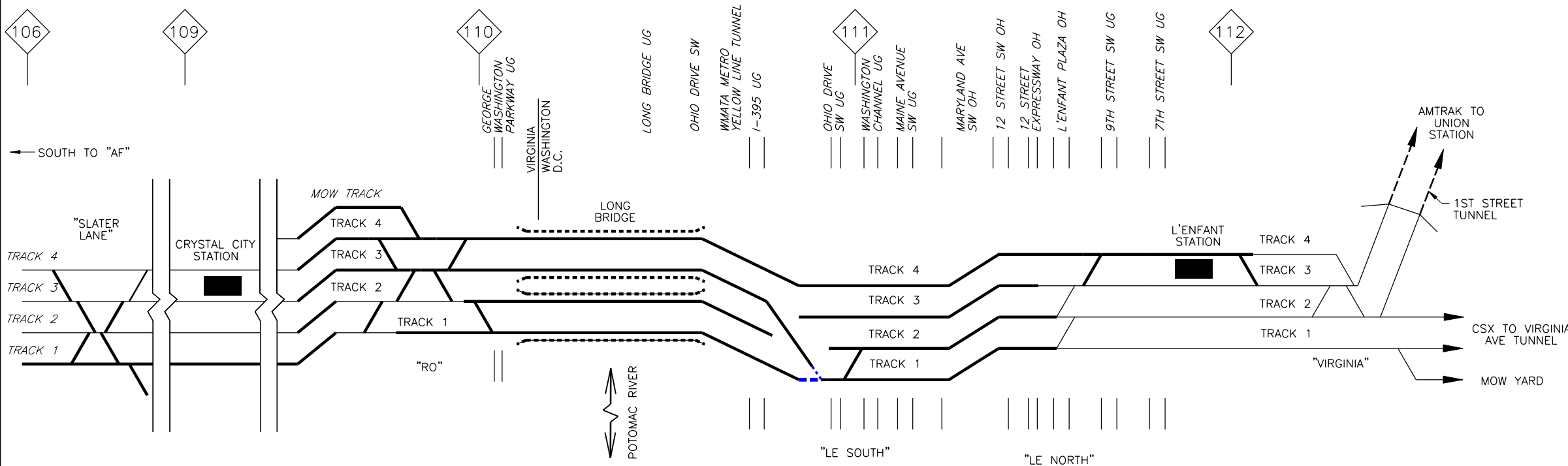
1. RECONNECT TRACK 1 TO EAST BRIDGE.

OPERATIONS NOTES

TRACKS 1, 2 & 3 OUT-OF-SERVICE "RO" TO "VIRGINIA"
SINGLE TRACK TO VIRGINIA AVENUE TUNNEL & TO UNION STATION

DURATION

ONE NIGHT



CONSTRUCTION LEGEND

- EXISTING TRACK
- RAISE AND SURFACE
- CONSTRUCT NEW
- ... TRACK TO BE SHIFTED
- ... AS SHIFTED
- - - REMOVE
- TRACK COMPLETED IN EARLIER PHASE
- EXISTING STRUCTURE
- PROPOSED STRUCTURE
- ... STRUCTURE COMPLETED IN EARLIER PHASE

CE PLANS – FINAL
MARCH 22, 2019



NO.	DESCRIPTION	NAME	DATE

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
PHASING DIAGRAM –
ACTION ALTERNATIVE B, STAGE 1/2

PROJECT ENG.	HNTB
DESIGNED BY	HNTB
CHECKED BY	BDH
DRAWN BY	DJS
PROJECT MGR.	
DIVISION CHIEF	
DATE	MARCH 22, 2019
FILE	
SHEET	63 OF 72

Thursday, March 21, 2019 AT 10:21 PM 10:21 PM

**PHASE C: ACTION ALTERNATIVE B
STAGE 3**

CONSTRUCTION WORK

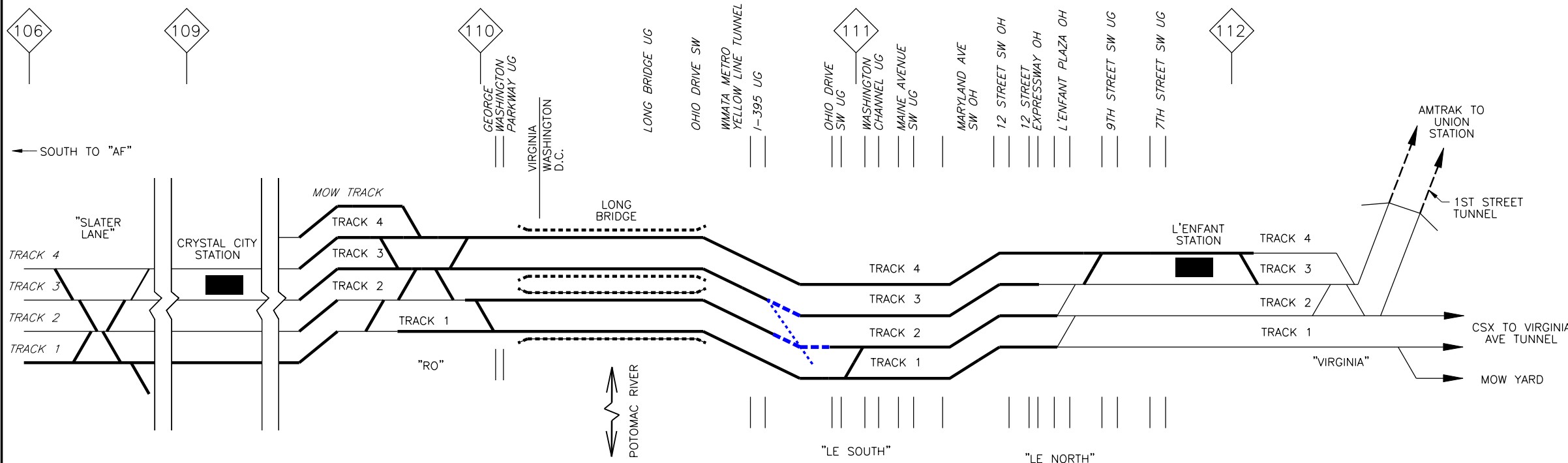
1. CONNECT TRACK 2 & 3 TO FINAL ALIGNMENT.

OPERATIONS NOTES

NORMAL OPERATIONS

DURATION

TWO DAYS



**PHASE C: ACTION ALTERNATIVE B
FINAL**

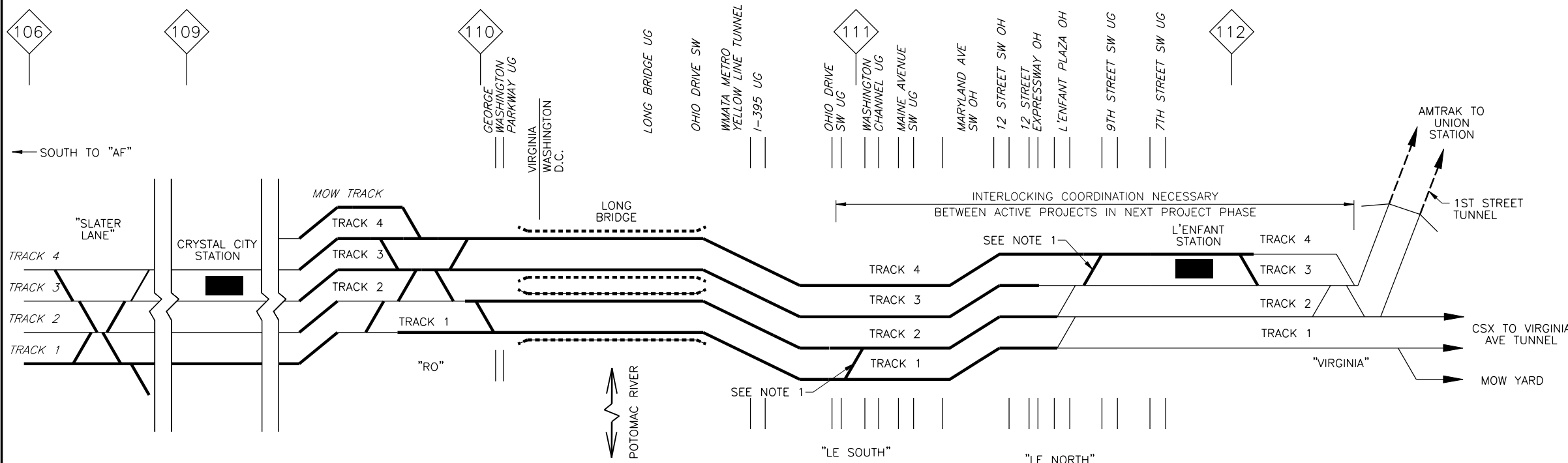
CONSTRUCTION WORK

1. "L'ENFANT NORTH" INTERLOCKING AND "L'ENFANT SOUTH" INTERLOCKING CONFIGURATION IS ASSUMED FOR CONSTRUCTION STAGING PURPOSES ONLY. ACTUAL INTERLOCKINGS TO BE DETERMINED AT LATER PHASE IN COORDINATION WITH OTHER ACTIVE PROJECTS AND OPERATIONAL NEEDS.

OPERATIONS NOTES

4-TRACK CORRIDOR IN SERVICE
"RO" TO "VIRGINIA"

DURATION



CONSTRUCTION LEGEND

- EXISTING TRACK
- RAISE AND SURFACE
- CONSTRUCT NEW
- TRACK TO BE SHIFTED
- AS SHIFTED
- REMOVE
- TRACK COMPLETED IN EARLIER PHASE
- EXISTING STRUCTURE
- PROPOSED STRUCTURE
- STRUCTURE COMPLETED IN EARLIER PHASE

CE PLANS - FINAL
May 10, 2019



NO.	DESCRIPTION	NAME	DATE

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
TRACK ALIGNMENTS

"RO" TO "L'ENFANT"
PHASING DIAGRAM -
ACTION ALTERNATIVE B, STAGE 3/FINAL

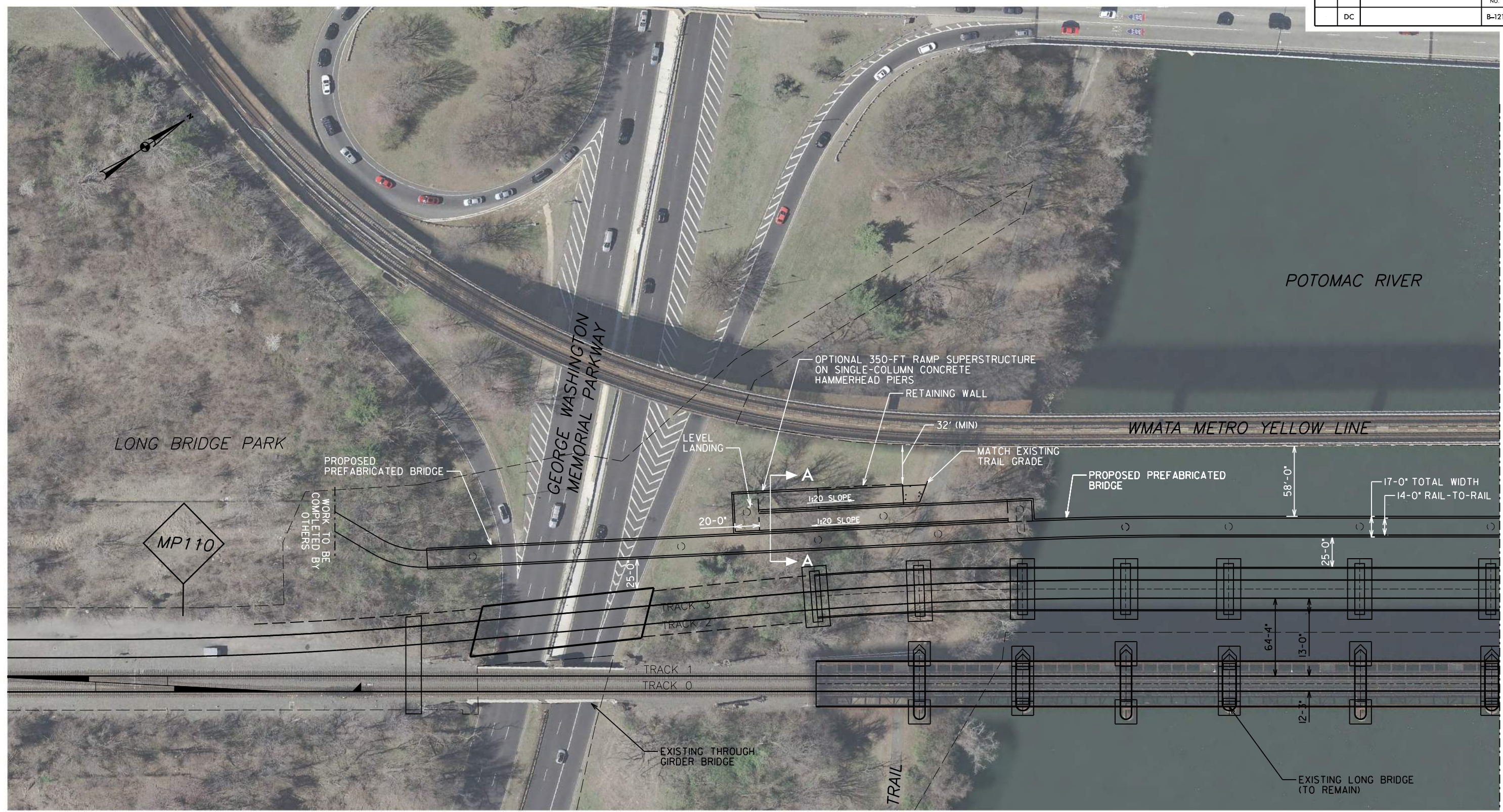
PROJECT ENG. _____
DESIGNED BY: HNTB
CHECKED BY: BDH
DRAWN BY: DJG
PROJECT MGR. _____

DIVISION CHIEF

DATE: MARCH 22, 2019
FILE: _____
SHEET 64 OF 72

Thursday, March 21, 2019 AT 10:22 PM 10:22 PM

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		B-121	72

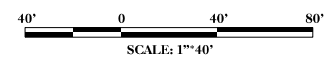


BIKE-PEDESTRIAN PLAN

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

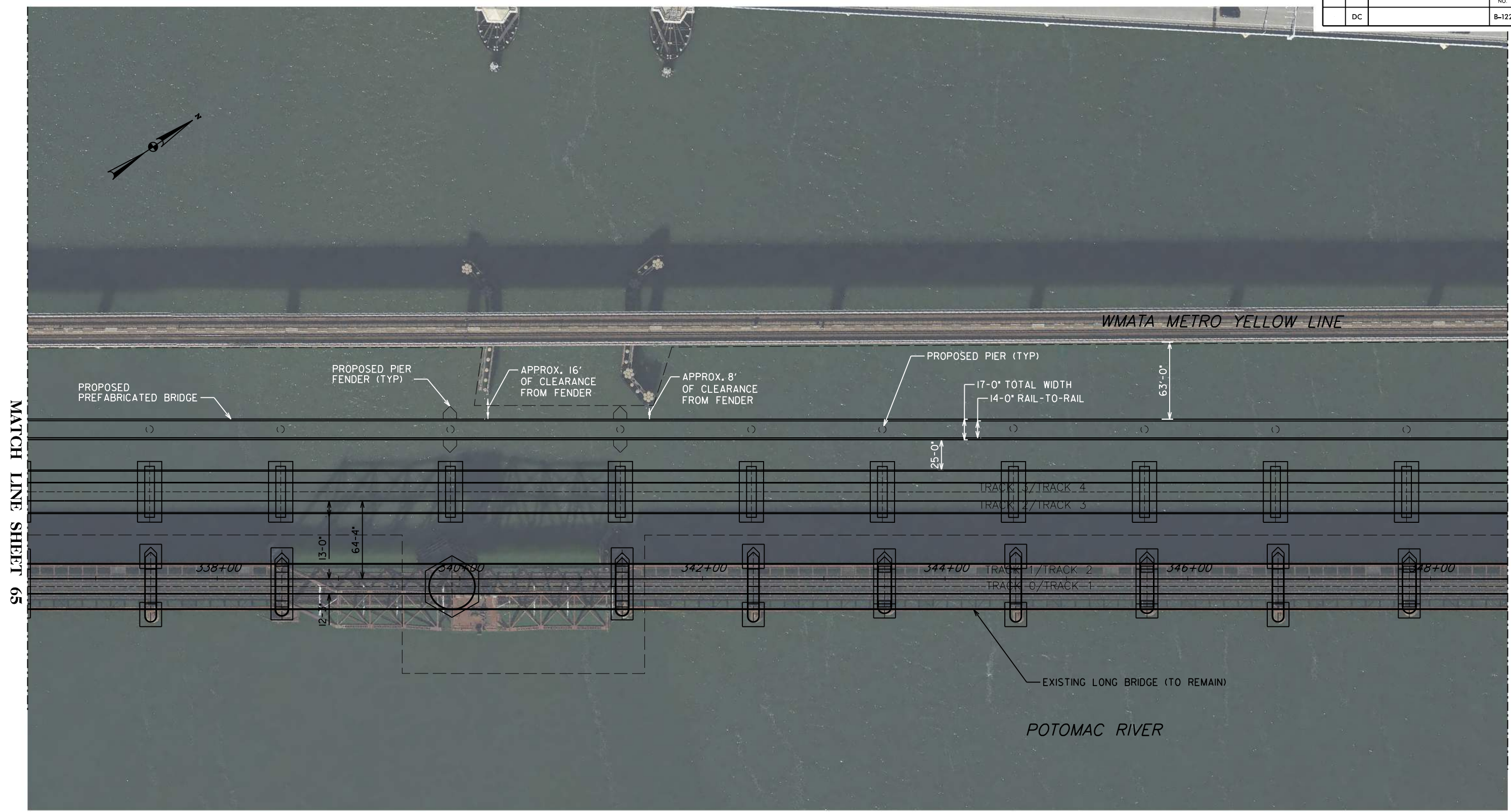
NOTE: SEE SHEETS 71, 72 AND 73 FOR TYPICAL SECTIONS.



NO.	DESCRIPTION	NAME	DATE

<p>LONG BRIDGE PROJECT EIS CONCEPTUAL ENGINEERING PLANS BIKE-PEDESTRIAN CONNECTION</p>		<p>PROJECT ENG. MLF DESIGNED BY EEL CHECKED BY EEL DRAWN BY MLF PROJECT MGR. MAC</p>
<p>BIKE-PEDESTRIAN CONNECTION PLAN SHEET (1 OF 3)</p>		<p>DIVISION CHIEF</p> <p>DATE MARCH 22, 2019 FILE bdr_layout.dgn SHEET 65 OF 72</p>

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		B-122	72



MATCH LINE SHEET 65

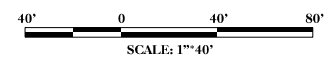
MATCH LINE SHEET 67

BIKE-PEDESTRIAN PLAN

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

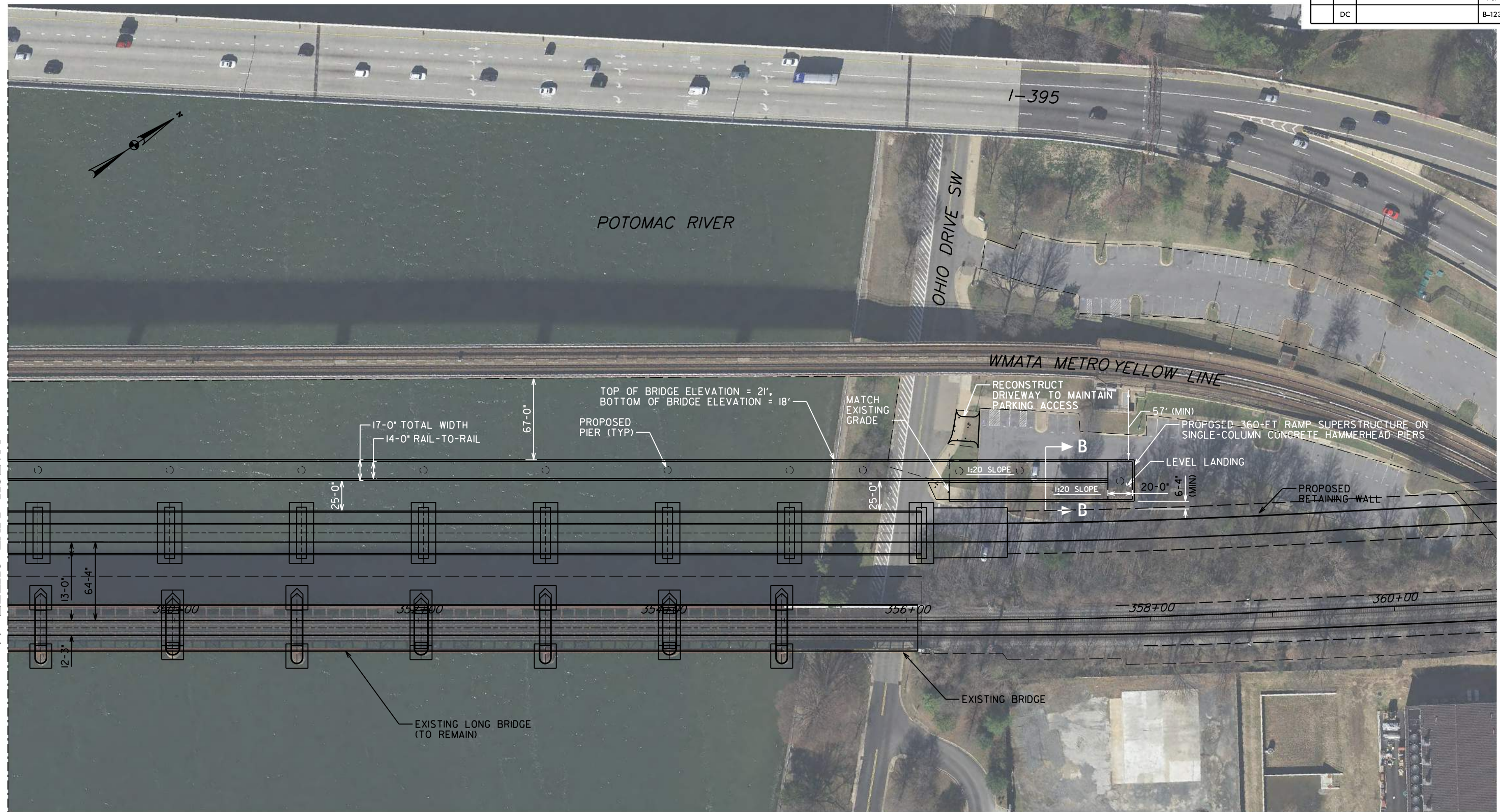
NOTE: SEE SHEETS 71, 72 AND 73 FOR TYPICAL SECTIONS.



NO.	DESCRIPTION	NAME	DATE
REVISIONS			

LONG BRIDGE PROJECT EIS CONCEPTUAL ENGINEERING PLANS BIKE-PEDESTRIAN CONNECTION		PROJECT ENG. <u>MLF</u> DESIGNED BY <u>EEL</u> CHECKED BY <u>EEL</u> DRAWN BY <u>MLF</u> PROJECT MGR. <u>MAC</u>
BIKE-PEDESTRIAN CONNECTION PLAN SHEET (2 OF 3)		DIVISION CHIEF DATE <u>MARCH 22, 2019</u> FILE <u>bdr_layout.dgn</u> SHEET <u>66</u> OF <u>72</u>

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
	DC		B-123	72



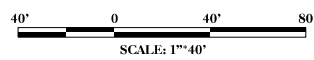
MATCH LINE SHEET 66

BIKE-PEDESTRIAN PLAN

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

NOTE: SEE SHEETS 71, 72 AND 73 FOR TYPICAL SECTIONS.

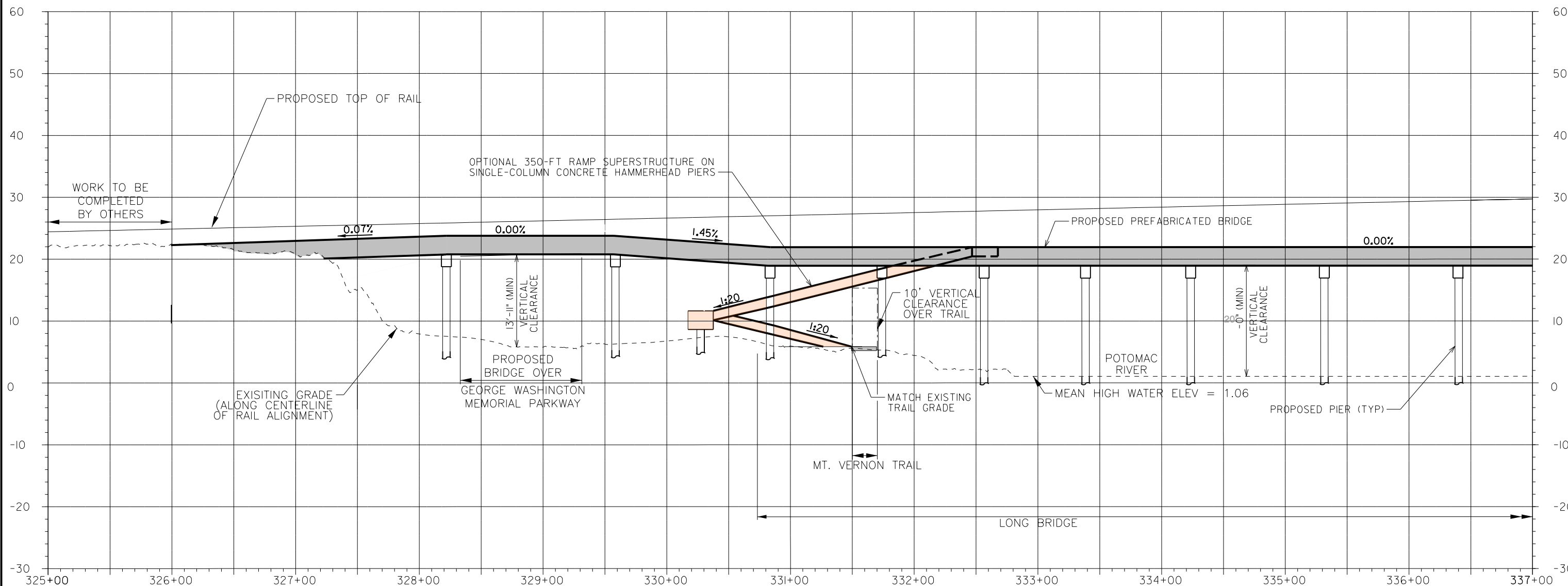


NO.	DESCRIPTION	NAME	DATE
REVISIONS			

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
BIKE-PEDESTRIAN CONNECTION

BIKE-PEDESTRIAN CONNECTION
PLAN SHEET (3 OF 3)

PROJECT ENG.	MLF
DESIGNED BY	EEL
CHECKED BY	EEL
DRAWN BY	MLF
PROJECT MGR.	MAC
DIVISION CHIEF	
DATE	MARCH 22, 2019
FILE	bdr_layout.dgn
SHEET	67 OF 72



INDEPENDENT UPSTREAM BIKE-PEDESTRIAN PROFILE

(STA 325+00 - 337+00)

SCALE:
HORIZONTAL 1" = 40'-00"
VERTICAL 1" = 8'-00"

NOTES:
1. STATIONING BASED ON RAILROAD ALIGNMENT.
2. BICYCLE RIDERS TO DISMOUNT FOR RAMP ACCESS.

CF PI ANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
BIKE-PEDESTRIAN CONNECTION

PROJECT ENG. MLF
DESIGNED BY EEL
CHECKED BY EEL
DRAWN BY MLF
PROJECT MGR. MAC

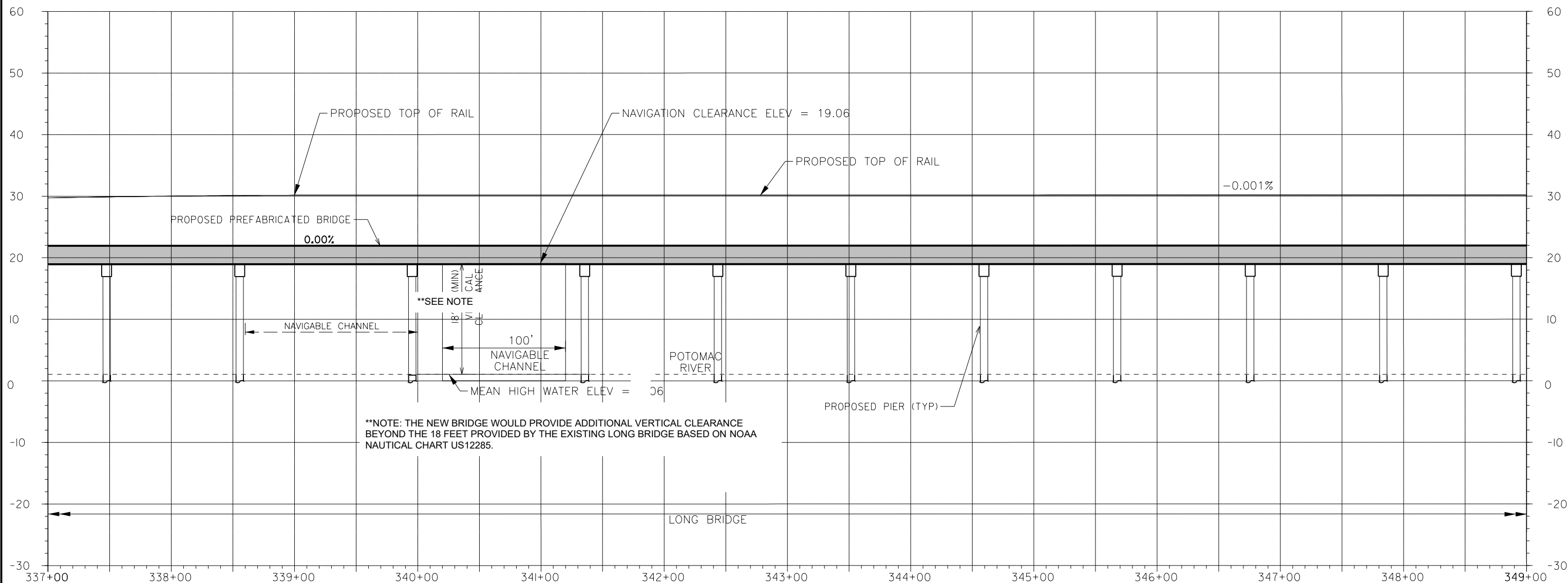
BIKE-PEDESTRIAN CONNECTION
PROFILE (1 OF 3)

DIVISION CHIEF
DATE MARCH 22, 2019
FILE bdr_pro.dgn
SHEET 68 OF 72



NO.	DESCRIPTION	NAME	DATE

REVISIONS



INDEPENDENT UPSTREAM BIKE-PEDESTRIAN PROFILE

(STA 337+00 - 349+00)

SCALE:
 HORIZONTAL 1" = 40'-00"
 VERTICAL 1" = 8'-00"

NOTES:
 1. STATIONING BASED ON RAILROAD ALIGNMENT.
 2. BICYCLE RIDERS TO DISMOUNT FOR RAMP ACCESS.

CE PLANS - FINAL
 May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
 INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
 PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
 CONCEPTUAL ENGINEERING PLANS
 BIKE-PEDESTRIAN CONNECTION

PROJECT ENG. MLF
 DESIGNED BY EEL
 CHECKED BY EEL
 DRAWN BY MLF
 PROJECT MGR. MAC

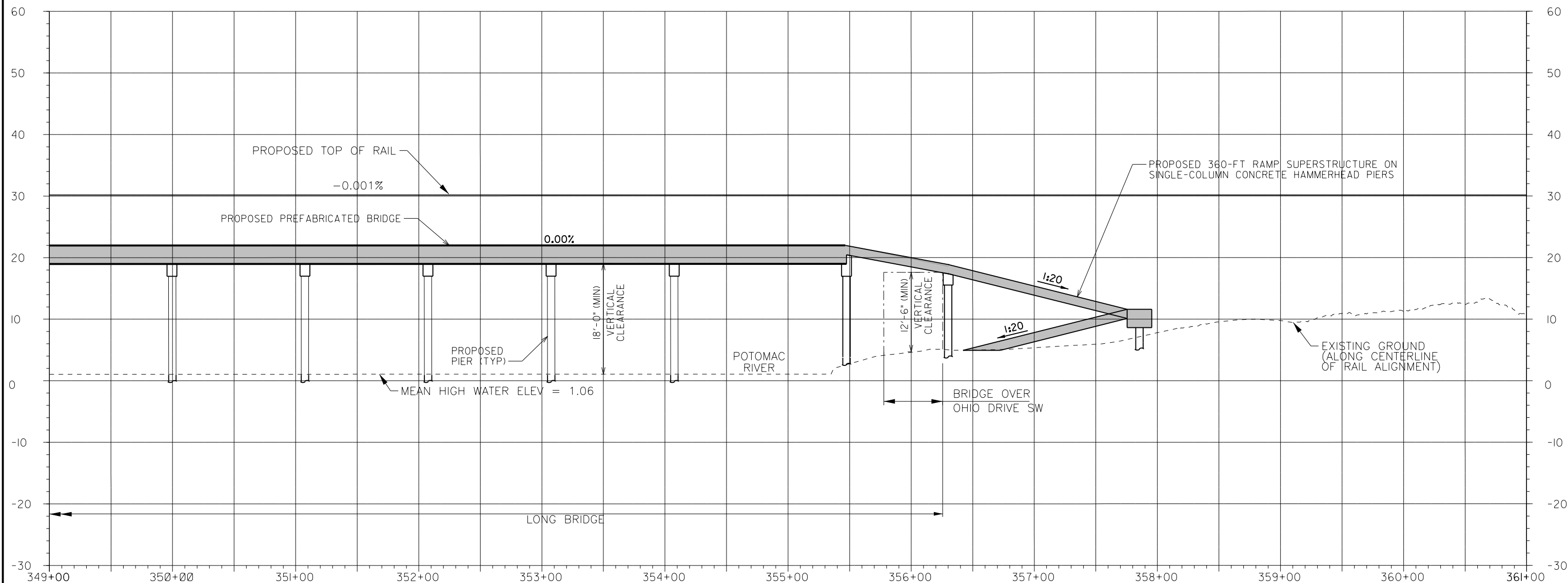
BIKE-PEDESTRIAN CONNECTION
 PROFILE (2 OF 3)

DIVISION CHIEF
 DATE MARCH 22, 2019
 FILE bdr_pro.dgn
 SHEET 69 OF 72



NO.	DESCRIPTION	NAME	DATE

REVISIONS



INDEPENDENT UPSTREAM BIKE-PEDESTRIAN PROFILE

(STA 349+00 - 361+00)

SCALE:
 HORIZONTAL 1" = 40'-00"
 VERTICAL 1" = 8'-00"

- NOTES:
 1. STATIONING BASED ON RAILROAD ALIGNMENT.
 2. BICYCLE RIDERS TO DISMOUNT FOR RAMP ACCESS.

CE PLANS - FINAL
 May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
 INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
 PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
 CONCEPTUAL ENGINEERING PLANS
 BIKE-PEDESTRIAN CONNECTION

PROJECT ENG. MLF
 DESIGNED BY EEL
 CHECKED BY EEL
 DRAWN BY MLF
 PROJECT MGR. MAC

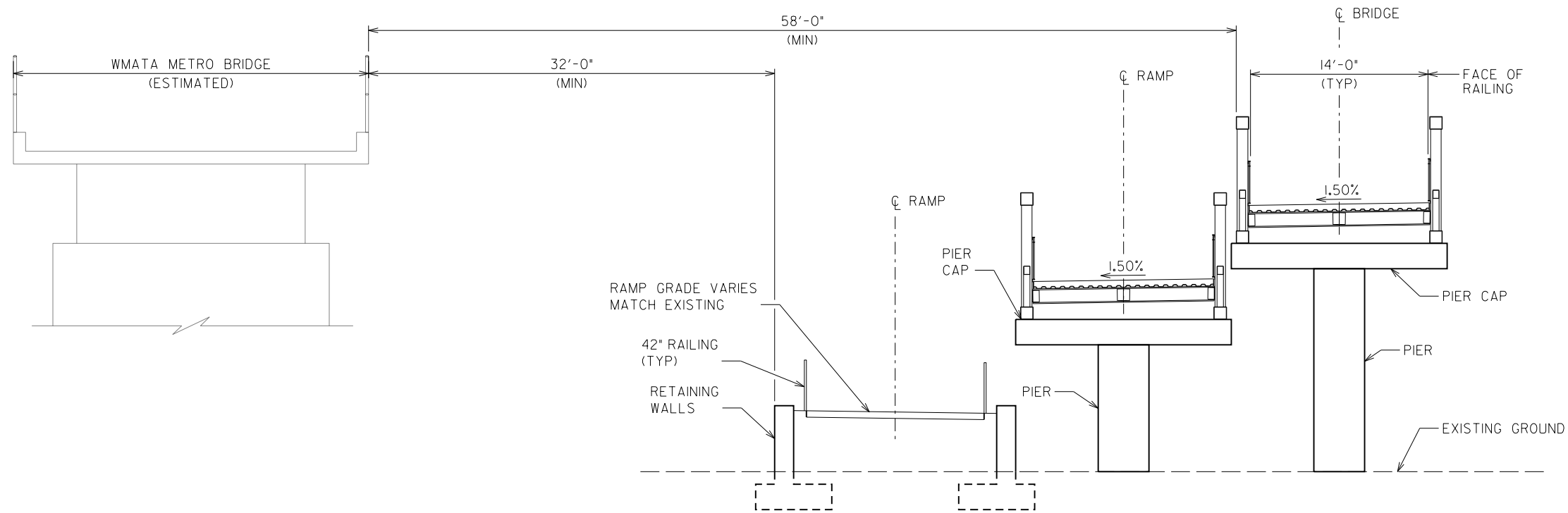
BIKE-PEDESTRIAN CONNECTION
 PROFILE (3 OF 3)

DIVISION CHIEF
 DATE MARCH 22, 2019
 FILE bdr_pro.dgn
 SHEET 20 OF 72

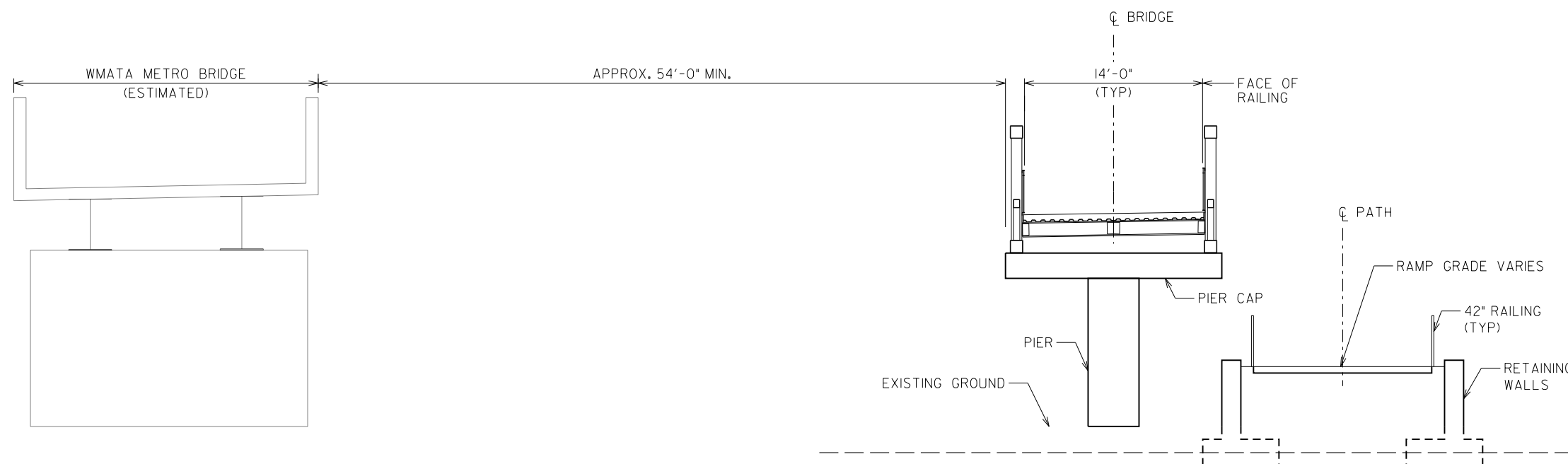


NO.	DESCRIPTION	NAME	DATE

REVISIONS



SECTION A-A
(SOUTH APPROACH - VIRGINIA)
LOOKING NORTH
SCALE 3/16" = 1'-0"



SECTION B-B
(NORTH APPROACH - DISTRICT)
LOOKING NORTH
SCALE 3/16" = 1'-0"

CE PLANS - FINAL
May 10, 2019

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
CONCEPTUAL ENGINEERING PLANS
BIKE-PEDESTRIAN CONNECTION

BIKE-PEDESTRIAN CONNECTION
SECTION (2 OF 2)

PROJECT ENG. MLF
DESIGNED BY EEL
CHECKED BY EEL
DRAWN BY MLF
PROJECT MGR. MAC

DIVISION CHIEF

DATE MARCH 22, 2019
FILE typicols.dgn
SHEET 72 OF 72

NO.	DESCRIPTION	NAME	DATE

REVISIONS

