

THE METROPOLITAN TRANSPORTATION AUTHORITY

ACTING BY THE

NEW YORK CITY TRANSIT



CONTRACT C-26503

CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES

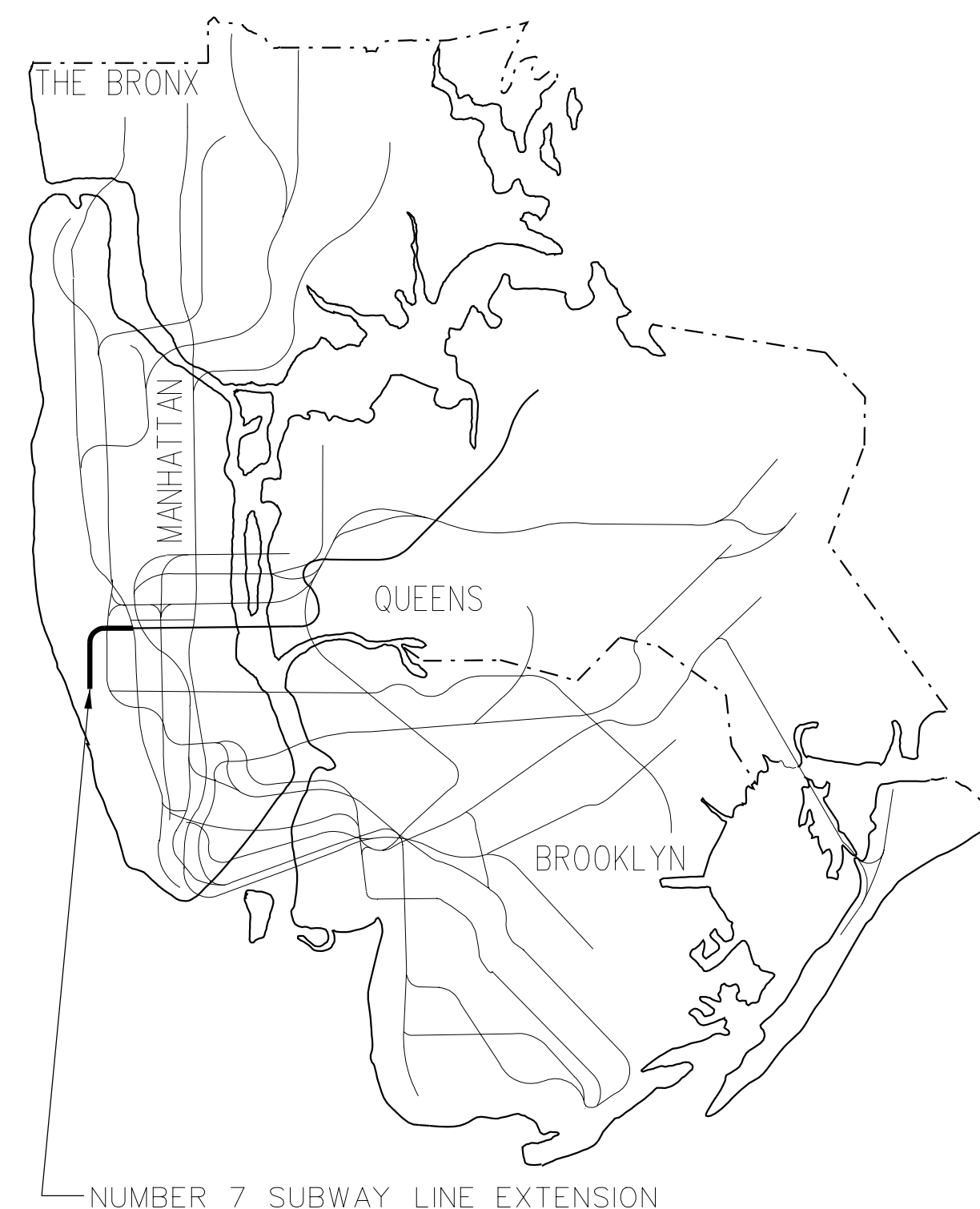
NUMBER 7 (FLUSHING) LINE EXTENSION

"A" DIVISION (IRT)

BOROUGH OF MANHATTAN

FINAL ENGINEERING DISTRIBUTION

JANUARY 5, 2007



NUMBER 7 SUBWAY LINE EXTENSION

LOCATION PLAN
(NOT TO SCALE)



HARVEY L. BERLINER, P.E.
PROJECT MANAGER, THE PB TEAM

DATE

JOHN REITER, P.E.
DEPUTY VICE PRESIDENT
ENGINEERING SERVICES
MTA NEW YORK CITY TRANSIT

DATE

JOSEPH TRAINOR, P.E.
CHIEF ENGINEER
MTA CAPITAL CONSTRUCTION

DATE

SHEET NO.	DWG NO.	REV NO.	DESCRIPTION	SHEET NO.	DWG NO.	REV NO.	DESCRIPTION
VOLUME 1				GENERAL (Cont'd)			
			GENERAL	62 *	GP-10236		GENERAL PROFILE TRACK CC1 STA. CC1-68+25.02 TO STA. CC1-69+98.69 - SHEET 16
1	GP-10000		COVER SHEET	63 *	GP-10301		GENERAL TRANSVERSE SECTIONS - SHEET 1
2	GP-10001		INDEX OF DRAWINGS SHEET 1	64 *	GP-10302		GENERAL TRANSVERSE SECTIONS - SHEET 2
3	GP-10002		INDEX OF DRAWINGS SHEET 2	65 *	GP-10303		GENERAL TRANSVERSE SECTIONS - SHEET 3
4	GP-10003		INDEX OF DRAWINGS SHEET 3	66 *	GP-10304		GENERAL TRANSVERSE SECTIONS - SHEET 4
5	GP-10004		INDEX OF DRAWINGS SHEET 4	67 *	GP-10305		GENERAL TRANSVERSE SECTIONS - SHEET 5
6	GP-10005		INDEX OF DRAWINGS SHEET 5	68 *	GP-10306		GENERAL TRANSVERSE SECTIONS - SHEET 6
7	GP-10006		INDEX OF DRAWINGS SHEET 6	69 *	GP-10307		GENERAL TRANSVERSE SECTIONS - SHEET 7
8	GP-10007		INDEX OF DRAWINGS SHEET 7	70 *	GP-10308		GENERAL TRANSVERSE SECTIONS - SHEET 8
9	GP-10008		INDEX OF DRAWINGS SHEET 8	71 *	GP-10309		GENERAL TRANSVERSE SECTIONS - SHEET 9
10 *	GP-10009		INDEX OF DRAWINGS SHEET 9	72 *	GP-10310		GENERAL TRANSVERSE SECTIONS - SHEET 10
11 *	GP-10021		GENERAL NOTES SHEET 1	73 *	GP-10311		GENERAL TRANSVERSE SECTIONS - SHEET 11
12 *	GP-10022		GENERAL NOTES SHEET 2	74 *	GP-10312		GENERAL TRANSVERSE SECTIONS - SHEET 12
13 *	GP-10023		GENERAL LEGEND AND SYMBOLS	75 *	GP-10313		GENERAL TRANSVERSE SECTIONS - SHEET 13
14 *	GP-10024		GENERAL ABBREVIATIONS	76 *	GP-10314		GENERAL TRANSVERSE SECTIONS - SHEET 14
15 *	GP-10031		KEY PLANS	77 *	GP-10315		GENERAL TRANSVERSE SECTIONS - SHEET 15
16 *	GP-10101		GENERAL PLAN STA. CC2-1+41.09 TO STA. CC2-4+25 - SHEET 1	78 *	GP-10316		GENERAL TRANSVERSE SECTIONS - SHEET 16
17 *	GP-10102		GENERAL PLAN STA. CC2-4+25 TO STA. CC2-9+00 - SHEET 2	79 *	GP-10317		GENERAL TRANSVERSE SECTIONS - SHEET 17
18 *	GP-10103		GENERAL PLAN STA. CC2-9+00 TO STA. CC2-14+00 - SHEET 3	80 *	GP-10318		GENERAL TRANSVERSE SECTIONS - SHEET 18
19 *	GP-10104		GENERAL PLAN STA. CC2-14+00 TO STA. CC2-18+00 - SHEET 4	81 *	GP-10319		GENERAL TRANSVERSE SECTIONS - SHEET 19
20 *	GP-10105		GENERAL PLAN STA. CC2-18+00 TO STA. CC2-22+50 - SHEET 5	82 *	GP-10320		GENERAL TRANSVERSE SECTIONS - SHEET 20
21 *	GP-10106		GENERAL PLAN STA. CC2-22+50 TO STA. CC2-27+50 - SHEET 6	83 *	GP-10321		GENERAL TRANSVERSE SECTIONS - SHEET 21
22 *	GP-10107		GENERAL PLAN STA. CC2-27+50 TO STA. CC2-31+75 - SHEET 7	84 *	GP-10322		GENERAL TRANSVERSE SECTIONS - SHEET 22
23 *	GP-10108		GENERAL PLAN STA. CC2-31+75 TO STA. CC2-35+50 - SHEET 8				
24 *	GP-10109		GENERAL PLAN STA. CC2-35+50 TO STA. CC2-40+00 - SHEET 9	85 *	CS-10601		SURVEY
25 *	GP-10110		GENERAL PLAN STA. CC2-40+00 TO STA. CC2-44+50 - SHEET 10	86 *	CS-10602		SURVEY TRAVERSE DIAGRAM
26 *	GP-10111		GENERAL PLAN STA. CC2-44+50 TO STA. CC2-49+25 - SHEET 11	87 *	CS-10603		SURVEY CONTROL MONUMENTS AND TIES PRIMARY CONTROL POINTS - SHEET 1
27 *	GP-10112		GENERAL PLAN STA. CC2-49+25 TO STA. CC2-54+00 - SHEET 12	88 *	CS-10604		SURVEY CONTROL MONUMENTS AND TIES SECONDARY CONTROL POINTS - SHEET 2
28 *	GP-10113		GENERAL PLAN STA. CC2-54+00 TO STA. CC2-58+50 - SHEET 13				SURVEY CONTROL MONUMENTS AND TIES SECONDARY CONTROL POINTS - SHEET 3
29 *	GP-10114		GENERAL PLAN STA. CC2-58+50 TO STA. CC2-63+00 - SHEET 14	89 *	CS-10101		EXISTING TOPOGRAPHIC PLAN - STA. CC2-0+29.74 TO STA. CC2-3+00 - SHEET 1
30 *	GP-10115		GENERAL PLAN STA. CC2-63+00 TO STA. CC2-67+50 - SHEET 15	90 *	CS-10102		EXISTING TOPOGRAPHIC PLAN - STA. CC2-3+00 TO STA. CC2-8+00 - SHEET 2
31 *	GP-10116		GENERAL PLAN STA. CC2-67+50 TO STA. CC2-69+23.70 - SHEET 16	91 *	CS-10103		EXISTING TOPOGRAPHIC PLAN - STA. CC2-8+00 TO STA. CC2-13+50 - SHEET 3
32 *	GP-10201		GENERAL PROFILE TRACK CC2 STA. CC2-1+41.09 TO STA. CC2-4+25 - SHEET 1	92 *	CS-10104		EXISTING TOPOGRAPHIC PLAN - STA. CC2-13+50 TO STA. CC2-18+00 - SHEET 4
33 *	GP-10202		GENERAL PROFILE TRACK CC2 STA. CC2-4+25 TO STA. CC2-9+00 - SHEET 2	93 *	CS-10105		EXISTING TOPOGRAPHIC PLAN - STA. CC2-18+00 TO STA. CC2-23+50 - SHEET 5
34 *	GP-10203		GENERAL PROFILE TRACK CC2 STA. CC2-9+00 TO STA. CC2-14+00 - SHEET 3	94 *	CS-10106		EXISTING TOPOGRAPHIC PLAN - STA. CC2-23+50 TO STA. CC2-28+50 - SHEET 6
35 *	GP-10204		GENERAL PROFILE TRACK CC2 STA. CC2-14+00 TO STA. CC2-18+00 - SHEET 4	95 *	CS-10107		EXISTING TOPOGRAPHIC PLAN - STA. CC2-28+50 TO STA. CC2-33+50 - SHEET 7
36 *	GP-10205		GENERAL PROFILE TRACK CC2 STA. CC2-18+00 TO STA. CC2-22+50 - SHEET 5	96 *	CS-10108		EXISTING TOPOGRAPHIC PLAN - STA. CC2-33+50 TO STA. CC2-38+00 - SHEET 8
37 *	GP-10206		GENERAL PROFILE TRACK CC2 STA. CC2-22+50 TO STA. CC2-27+50 - SHEET 6	97 *	CS-10109		EXISTING TOPOGRAPHIC PLAN - STA. CC2-38+00 TO STA. CC2-42+00 - SHEET 9
38 *	GP-10207		GENERAL PROFILE TRACK CC2 STA. CC2-27+50 TO STA. CC2-31+50 - SHEET 7	98 *	CS-10110		EXISTING TOPOGRAPHIC PLAN - STA. CC2-42+00 TO STA. CC2-45+50 - SHEET 10
39 *	GP-10208		GENERAL PROFILE TRACK CC2 STA. CC2-31+50 TO STA. CC2-35+50 - SHEET 8	99 *	CS-10111		EXISTING TOPOGRAPHIC PLAN - STA. CC2-45+50 TO STA. CC2-50+50 - SHEET 11
40 *	GP-10209		GENERAL PROFILE TRACK CC2 STA. CC2-35+50 TO STA. CC2-40+00 - SHEET 9	100 *	CS-10112		EXISTING TOPOGRAPHIC PLAN - STA. CC2-50+50 TO STA. CC2-55+50 - SHEET 12
41 *	GP-10210		GENERAL PROFILE TRACK CC2 STA. CC2-40+00 TO STA. CC2-44+50 - SHEET 10	101 *	CS-10113		EXISTING TOPOGRAPHIC PLAN - STA. CC2-55+50 TO STA. CC2-60+50 - SHEET 13
42 *	GP-10211		GENERAL PROFILE TRACK CC2 STA. CC2-44+50 TO STA. CC2-49+25 - SHEET 11	102 *	CS-10114		EXISTING TOPOGRAPHIC PLAN - STA. CC2-60+50 TO STA. CC2-65+50 - SHEET 14
43 *	GP-10212		GENERAL PROFILE TRACK CC2 STA. CC2-49+25 TO STA. CC2-54+00 - SHEET 12	103 *	CS-10115		EXISTING TOPOGRAPHIC PLAN - STA. CC2-65+50 TO STA. CC2-69+50 - SHEET 15
44 *	GP-10213		GENERAL PROFILE TRACK CC2 STA. CC2-54+00 TO STA. CC2-58+50 - SHEET 13	104 *	CS-10116		EXISTING TOPOGRAPHIC PLAN - STA. CC2-69+50 TO STA. CC2-69+89.44 - SHEET 16
45 *	GP-10214		GENERAL PROFILE TRACK CC2 STA. CC2-58+50 TO STA. CC2-63+00 - SHEET 14	105 *	CS-10117		EXISTING TOPOGRAPHIC PLAN - BETWEEN 25TH AND 26TH STREETS - SHEET 17
46 *	GP-10215		GENERAL PROFILE TRACK CC2 STA. CC2-63+00 TO STA. CC2-67+50 - SHEET 15	106 *	CS-10118		EXISTING TOPOGRAPHIC PLAN - BETWEEN 33RD AND 34TH STREETS - SHEET 18
47 *	GP-10216		GENERAL PROFILE TRACK CC2 STA. CC2-67+50 TO STA. CC2-69+23.70 - SHEET 16	107 *	CS-10119		EXISTING TOPOGRAPHIC PLAN - BETWEEN 34TH AND 35TH STREETS - SHEET 19
48 *	GP-10221		GENERAL PROFILE TRACK CC1 STA. CC1-1+33.71 TO STA. CC1-4+17.63 - SHEET 1	108 *	CS-10120		EXISTING TOPOGRAPHIC PLAN - 34TH STREET - SHEET 20
49 *	GP-10222		GENERAL PROFILE TRACK CC1 STA. CC1-4+17.63 TO STA. CC1-8+92.63 - SHEET 2	109 *	CS-10121		EXISTING TOPOGRAPHIC PLAN - 40TH STREET BETWEEN CARDINAL STEPINAC PLACE AND TENTH AVE. - SHEET 21
50 *	GP-10223		GENERAL PROFILE TRACK CC1 STA. CC1-8+92.63 TO STA. CC1-13+92.62 - SHEET 3	110 *	CS-10122		EXISTING TOPOGRAPHIC PLAN - 40TH STREET BETWEEN DYER AND NINTH AVENUES - SHEET 22
51 *	GP-10224		GENERAL PROFILE TRACK CC1 STA. CC1-13+92.62 TO STA. CC1-17+92.62 - SHEET 4	111 *	CS-10123		EXISTING TOPOGRAPHIC PLAN - 42ND STREET BETWEEN TENTH AND DYER AVENUES - SHEET 23
52 *	GP-10225		GENERAL PROFILE TRACK CC1 STA. CC1-17+92.62 TO STA. CC1-22+42.62 - SHEET 5	112 *	CS-10124		EXISTING TOPOGRAPHIC PLAN - 42ND STREET BETWEEN DYER AND NINTH AVENUES - SHEET 24
53 *	GP-10226		GENERAL PROFILE TRACK CC1 STA. CC1-22+42.62 TO STA. CC1-27+42.62 - SHEET 6				
54 *	GP-10227		GENERAL PROFILE TRACK CC1 STA. CC1-27+42.62 TO STA. CC1-31+64.56 - SHEET 7	113 *	TK-10011		TRACK ALIGNMENT
55 *	GP-10228		GENERAL PROFILE TRACK CC1 STA. CC1-31+64.56 TO STA. CC1-35+42.62 - SHEET 8	114 *	TK-10601		TRACK LEGEND, NOTES AND ABBREVIATIONS
56 *	GP-10229		GENERAL PROFILE TRACK CC1 STA. CC1-35+42.62 TO STA. CC1-40+23.87 - SHEET 9	115 *	TK-10101		TRACK ALIGNMENT DATA
57 *	GP-10230		GENERAL PROFILE TRACK CC1 STA. CC1-40+23.87 TO STA. CC1-45+12.74 - SHEET 10	116 *	TK-10102		TRACK ALIGNMENT - PLAN - STA. CC2-1+41.09 TO STA. CC2-8+00
58 *	GP-10231		GENERAL PROFILE TRACK CC1 STA. CC1-45+12.74 TO STA. CC1-50+0.54 - SHEET 11	117 *	TK-10103		TRACK ALIGNMENT - PLAN - STA. CC2-8+00 TO STA. CC2-18+00
59 *	GP-10232		GENERAL PROFILE TRACK CC1 STA. CC1-50+0.54 TO STA. CC1-54+74.54 - SHEET 12	118 *	TK-10104		TRACK ALIGNMENT - PLAN - STA. CC2-18+00 TO STA. CC2-28+50
60 *	GP-10233		GENERAL PROFILE TRACK CC1 STA. CC1-54+74.54 TO STA. CC1-59+27.12 - SHEET 13	119 *	TK-10105		TRACK ALIGNMENT - PLAN - STA. CC2-28+50 TO STA. CC2-38+00
61 *	GP-10234		GENERAL PROFILE TRACK CC1 STA. CC1-59+27.12 TO STA. CC1-63+75.02 - SHEET 14	120 *	TK-10106		TRACK ALIGNMENT - PLAN - STA. CC2-38+00 TO STA. CC2-45+50
62 *	GP-10235		GENERAL PROFILE TRACK CC1 STA. CC1-63+75.02 TO STA. CC1-68+25.02 - SHEET 15	121 *	TK-10107		TRACK ALIGNMENT - PLAN - STA. CC2-45+50 TO STA. CC2-55+50
				122 *	TK-10108		TRACK ALIGNMENT - PLAN - STA. CC2-55+50 TO STA. CC2-65+50
							TRACK ALIGNMENT - PLAN - STA. CC2-65+50 TO STA. CC2-69+23.70

NOTE: (*) NOT INCLUDED IN THIS SUBMITTAL

	New York City Transit Capital Construction	HYDC Hudson Yards Development Corporation	DESIGNED BY: J. JIMENEZ	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN INDEX OF DRAWINGS SHEET 1	DATE: JAN 19, 2007
	IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.	DRAWING No. GP-10001	CHECKED BY: N. KOLLIOS		REVISION:
PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC. ONE PENN PLAZA, NEW YORK, NY 10119	REV	DESCRIPTION	DATE	APPROVED	APPROVED BY: H. L. BERLINER

SHEET NO.	DWG NO.	REV NO.	DESCRIPTION	SHEET NO.	DWG NO.	REV NO.	DESCRIPTION
			TRACK ALIGNMENT (Cont'd)				TRAFFIC (Con'td)
123 *	TK-10201		TRACK ALIGNMENT - CC2 PROFILE - STA. CC2-1+41.09 TO STA. CC2-8+00	184 *	TF-60110		MAINTENANCE AND PROTECTION OF TRAFFIC - DETOUR PLAN - SHEET 1
124 *	TK-10202		TRACK ALIGNMENT - CC2 PROFILE - STA. CC2-8+00 TO STA. CC2-18+00	185 *	TF-60111		MAINTENANCE AND PROTECTION OF TRAFFIC - DETOUR PLAN - SHEET 2
125 *	TK-10203		TRACK ALIGNMENT - CC2 PROFILE - STA. CC2-18+00 TO STA. CC2-28+50	186 *	TF-60112		MAINTENANCE AND PROTECTION OF TRAFFIC - DETOUR PLAN - SHEET 3
126 *	TK-10204		TRACK ALIGNMENT - CC2 PROFILE - STA. CC2-28+50 TO STA. CC2-38+00	187 *	TF-60113		MAINTENANCE AND PROTECTION OF TRAFFIC - DETOUR PLAN - SHEET 4
127 *	TK-10205		TRACK ALIGNMENT - CC2 PROFILE - STA. CC2-38+00 TO STA. CC2-45+50	188 *	TF-60114		MAINTENANCE AND PROTECTION OF TRAFFIC - DETOUR PLAN - SHEET 5
128 *	TK-10206		TRACK ALIGNMENT - CC2 PROFILE - STA. CC2-45+50 TO STA. CC2-55+50	189 *	TF-10301		MAINTENANCE AND PROTECTION OF TRAFFIC - TYPICAL SECTIONS - SHEET 1
129 *	TK-10207		TRACK ALIGNMENT - CC2 PROFILE - STA. CC2-55+50 TO STA. CC2-65+50	190 *	TF-10302		MAINTENANCE AND PROTECTION OF TRAFFIC - TYPICAL SECTIONS - SHEET 2
130 *	TK-10208		TRACK ALIGNMENT - CC2 PROFILE - STA. CC2-65+50 TO STA. CC2-69+23.70	191 *	TF-10303		MAINTENANCE AND PROTECTION OF TRAFFIC - TYPICAL SECTIONS - SHEET 3
131 *	TK-10211		TRACK ALIGNMENT - CC1 PROFILE - STA. CC1-1+33.71 TO STA. CC1-8+00	192 *	TF-10304		MAINTENANCE AND PROTECTION OF TRAFFIC - TYPICAL SECTIONS - SHEET 4
132 *	TK-10212		TRACK ALIGNMENT - CC1 PROFILE - STA. CC1-8+00 TO STA. CC1-18+00	193 *	TF-10601		MAINTENANCE AND PROTECTION OF TRAFFIC - EXISTING SIGN DATA - SHEET 1
133 *	TK-10213		TRACK ALIGNMENT - CC1 PROFILE - STA. CC1-18+00 TO STA. CC1-28+50	194 *	TF-10602		MAINTENANCE AND PROTECTION OF TRAFFIC - EXISTING SIGN DATA - SHEET 2
134 *	TK-10214		TRACK ALIGNMENT - CC1 PROFILE - STA. CC1-28+50 TO STA. CC1-38+00	195 *	TF-10603		MAINTENANCE AND PROTECTION OF TRAFFIC - EXISTING SIGN DATA - SHEET 3
135 *	TK-10215		TRACK ALIGNMENT - CC1 PROFILE - STA. CC1-38+00 TO STA. CC1-45+50	196 *	TF-10604		MAINTENANCE AND PROTECTION OF TRAFFIC - EXISTING SIGN DATA - SHEET 4
136 *	TK-10216		TRACK ALIGNMENT - CC1 PROFILE - STA. CC1-45+50 TO STA. CC1-55+50	197 *	TF-10605		MAINTENANCE AND PROTECTION OF TRAFFIC - EXISTING SIGN DATA - SHEET 5
137 *	TK-10217		TRACK ALIGNMENT - CC1 PROFILE - STA. CC1-55+50 TO STA. CC1-65+50	198 *	TF-10608		MAINTENANCE AND PROTECTION OF TRAFFIC - CONSTRUCTION SIGN DATA - SHEET 1
138 *	TK-10218		TRACK ALIGNMENT - CC1 PROFILE - STA. CC1-65+50 TO STA. CC1-69+69.69	199 *	TF-10609		MAINTENANCE AND PROTECTION OF TRAFFIC - CONSTRUCTION SIGN DATA - SHEET 2
139 *	TK-10301		REMOVAL OF EXISTING TRACK AND INSTALLATION OF TEMPORARY BUMPERS	200 *	TF-10610		MAINTENANCE AND PROTECTION OF TRAFFIC - CONSTRUCTION SIGN DATA - SHEET 3
140 *	TK-10303		TYPICAL SECTION - TUNNEL ALIGNMENT - SHEET 1	201 *	TF-10611		MAINTENANCE AND PROTECTION OF TRAFFIC - CONSTRUCTION SIGN DATA - SHEET 4
141 *	TK-10304		TYPICAL SECTION - TUNNEL ALIGNMENT - SHEET 2	202 *	TF-10612		MAINTENANCE AND PROTECTION OF TRAFFIC - CONSTRUCTION SIGN DATA - SHEET 5
142 *	TK-10305		TYPICAL SECTION - TUNNEL ALIGNMENT - SHEET 3				
			CIVIL				UTILITIES
143 *	CT-10011		CIVIL LEGEND AND SYMBOLS	203 *	UG-10010		UTILITY NOTES AND ABBREVIATIONS
144 *	CT-10012		CIVIL ABBREVIATIONS	204 *	UG-10011		UTILITY NOTES - SHEET 1
145 *	CT-10013		CIVIL GENERAL NOTES	205 *	UG-10012		UTILITY NOTES - SHEET 2
146 *	CT-20101		SITE A - DEMOLITION SITE PLAN	206 *	UG-10013		UTILITY LEGEND AND SYMBOLS
147 *	CT-20102		SITE A - INTERIM SITE PLAN	207 *	UG-10014		UTILITY BASELINE DATA - SHEET 1
148 *	CT-20103		SITE A - PERMANENT STRIPING PLAN	208 *	UG-10015		UTILITY BASELINE DATA - SHEET 2
149 *	CT-40101		SITE K - DEMOLITION SITE PLAN	209 *	UG-10016		UTILITY KEYMAP AND DRAWING LAYOUT INDEX
150 *	CT-40102		SITE K - INTERIM SITE PLAN	210 *	UE-20101		SITE A EXISTING UTILITY COMPOSITE PLAN - SHEET 1
151 *	CT-50101		SITE P - DEMOLITION SITE PLAN	211 *	UE-20102		SITE A EXISTING UTILITY COMPOSITE PLAN - SHEET 2
152 *	CT-50102		SITE P - INTERIM SITE PLAN	212 *	UE-20103		SITE A EXISTING UTILITY COMPOSITE PLAN - SHEET 3
153 *	CT-50103		SITE P - PERMANENT STRIPING PLAN	213 *	UE-20104		SITE A EXISTING UTILITY COMPOSITE PLAN - SHEET 4
154 *	CT-70101		SITE M - DEMOLITION SITE PLAN	214 *	UE-20105		SITE A EXISTING UTILITY COMPOSITE PLAN - SHEET 5
155 *	CT-70102		SITE M - INTERIM SITE PLAN	215 *	UE-20106		SITE A EXISTING UTILITY COMPOSITE PLAN - SHEET 6
156 *	CT-80101		SITE L AND WEST 41ST STREET BETWEEN TENTH AVENUE AND DYER AVENUE 13/32 DEMOLITION PLAN	216 *	UE-20107		SITE A EXISTING UTILITY COMPOSITE PLAN - SHEET 7
157 *	CT-80102		SITE L - INTERIM SITE PLAN	217 *	UE-20108		W. 27TH STREET EXISTING UTILITY COMPOSITE PLAN - SHEET 1
158 *	CT-60101		WEST 41ST STREET BETWEEN DYER AVENUE AND TENTH AVENUE - PERMANENT ROADWAY RESTORATION PLAN - SHEET 1	218 *	UE-20109		W. 27TH STREET EXISTING UTILITY COMPOSITE PLAN - SHEET 2
159 *	CT-60102		WEST 41ST STREET BETWEEN DYER AVENUE AND TENTH AVENUE - PERMANENT ROADWAY RESTORATION PLAN - SHEET 2	219 *	UX-20301		SITE A EXISTING UTILITY CROSS SECTION STA. U11-1001+37
160 *	CT-60201		WEST 41ST STREET BETWEEN DYER AVENUE AND TENTH AVENUE - PERMANENT ROADWAY RESTORATION PROFILE	220 *	UX-20302		SITE A EXISTING UTILITY CROSS SECTION STA. U11-1004+59
161 *	CT-60301		PERMANENT ROADWAY RESTORATION - TYPICAL SECTIONS	221 *	UX-20303		SITE A EXISTING UTILITY CROSS SECTION STA. U11-1005+00
162 *	CT-60302		PERMANENT ROADWAY RESTORATION - MISCELLANEOUS DETAILS - SHEET 1	222 *	UX-20304		SITE A EXISTING UTILITY CROSS SECTION STA. U26-204+59
163 *	CT-60303		PERMANENT ROADWAY RESTORATION - MISCELLANEOUS DETAILS - SHEET 2	223 *	UE-30101		34TH STREET STATION EXISTING UTILITY COMPOSITE PLAN SUPPORTED BY VIADUCT - SHEET 1
164 *	CT-60304		PERMANENT ROADWAY RESTORATION - MISCELLANEOUS DETAILS - SHEET 3	224 *	UE-30102		34TH STREET STATION EXISTING UTILITY COMPOSITE PLAN SUPPORTED BY VIADUCT - SHEET 2
165 *	CT-60103		WEST 41ST STREET BETWEEN DYER AVENUE AND TENTH AVENUE - PERMANENT SIGNING AND STRIPING PLAN	225 *	UE-30103		34TH STREET STATION EXISTING UTILITY COMPOSITE PLAN SUPPORTED BY VIADUCT - SHEET 3
166 *	CT-60601		PERMANENT SIGN DATA - SHEET 1	226 *	UE-30104		34TH STREET STATION EXISTING UTILITY COMPOSITE PLAN SUPPORTED BY VIADUCT - SHEET 4
167 *	CT-60602		PERMANENT SIGN DATA - SHEET 2	227 *	UE-30105		34TH STREET STATION EXISTING UTILITY COMPOSITE PLAN SUPPORTED BY VIADUCT - SHEET 5
168 *	CT-60603		PERMANENT SIGN DATA - SHEET 3	228 *	UE-30106		34TH STREET STATION EXISTING UTILITY COMPOSITE PLAN SUPPORTED BY VIADUCT - SHEET 6
169 *	CT-60104		WEST 41ST STREET AND DYER AVENUE - PERMANENT TRAFFIC SIGNAL PLAN	229 *	UE-30107		34TH STREET STATION EXISTING UTILITY COMPOSITE PLAN SUPPORTED BY VIADUCT - SHEET 7
			TRAFFIC	230 *	UE-30112		34TH STREET STATION EXISTING UTILITY COMPOSITE PLAN BELOW GRADE - SHEET 1
170 *	TF-10011		MAINTENANCE AND PROTECTION OF TRAFFIC - GENERAL NOTES AND LEGEND	231 *	UE-30113		34TH STREET STATION EXISTING UTILITY COMPOSITE PLAN BELOW GRADE - SHEET 2
171 *	TF-20101		MAINTENANCE AND PROTECTION OF TRAFFIC - SITE A WORK ZONE PLAN	232 *	UE-30114		34TH STREET STATION EXISTING UTILITY COMPOSITE PLAN BELOW GRADE - SHEET 3
172 *	TF-40101		MAINTENANCE AND PROTECTION OF TRAFFIC - SITE K WORK ZONE PLAN	233 *	UE-30116		34TH STREET STATION EXISTING UTILITY COMPOSITE PLAN BELOW GRADE - SHEET 4
173 *	TF-50101		MAINTENANCE AND PROTECTION OF TRAFFIC - SITE P WORK ZONE PLAN	234 *	UE-30117		34TH STREET STATION EXISTING UTILITY COMPOSITE PLAN BELOW GRADE - SHEET 5
174 *	TF-70101		MAINTENANCE AND PROTECTION OF TRAFFIC - SITE M WORK ZONE PLAN	235 *	UE-30118		34TH STREET STATION EXISTING UTILITY COMPOSITE PLAN BELOW GRADE - SHEET 6
175 *	TF-60101		MAINTENANCE AND PROTECTION OF TRAFFIC - ROADWAY DECKING - WORK ZONE LAYOUT AND SEQUENCING PLAN	236 *	UE-30119		34TH STREET STATION EXISTING UTILITY COMPOSITE PLAN BELOW GRADE - SHEET 7
176 *	TF-60102		MAINTENANCE AND PROTECTION OF TRAFFIC - ROADWAY DECKING - WORK ZONE 1A PLAN	237 *	UE-40101		SITE J AND SITE P EXISTING UTILITY COMPOSITE PLAN - SHEET 1
177 *	TF-60103		MAINTENANCE AND PROTECTION OF TRAFFIC - ROADWAY DECKING - WORK ZONE 1B PLAN	238 *	UE-40102		SITE J AND SITE P EXISTING UTILITY COMPOSITE PLAN - SHEET 2
178 *	TF-60104		MAINTENANCE AND PROTECTION OF TRAFFIC - ROADWAY DECKING - WORK ZONE 1C PLAN	239 *	UE-40103		SITE J AND SITE P EXISTING UTILITY COMPOSITE PLAN - SHEET 3
179 *	TF-60105		MAINTENANCE AND PROTECTION OF TRAFFIC - ROADWAY DECKING - WORK ZONE 1D PLAN	240 *	UE-50101		SITE P AND SITE K EXISTING UTILITY COMPOSITE PLAN - SHEET 1
180 *	TF-60106		MAINTENANCE AND PROTECTION OF TRAFFIC - ROADWAY DECKING - WORK ZONE 2 PLAN	241 *	UE-50102		SITE P AND SITE K EXISTING UTILITY COMPOSITE PLAN - SHEET 2
181 *	TF-60107		MAINTENANCE AND PROTECTION OF TRAFFIC - ROADWAY DECKING AND SITE L - WORK ZONE 3 PLAN	242 *	UE-50103		SITE P AND SITE K EXISTING UTILITY COMPOSITE PLAN - SHEET 3
182 *	TF-60108		MAINTENANCE AND PROTECTION OF TRAFFIC - PABT LOWER LEVEL DECKING - WORK ZONE 4A PLAN	243 *	UX-30301		34TH STREET STATION EXISTING UTILITY CROSS SECTION STA. U11-1023+38
183 *	TF-60109		MAINTENANCE AND PROTECTION OF TRAFFIC - PABT LOWER LEVEL DECKING - WORK ZONE 4B PLAN	244 *	UX-30302		34TH STREET STATION EXISTING UTILITY CROSS SECTION STA. U11-1024+00
				245 *	UX-30303		34TH STREET STATION EXISTING UTILITY CROSS SECTION STA. U11-1025+00
				246 *	UX-30304		34TH STREET STATION EXISTING UTILITY CROSS SECTION STA. U11-1026+00
				247 *	UX-30305		34TH STREET STATION EXISTING UTILITY CROSS SECTION STA. U11-1027+00
				248 *	UX-30306		34TH STREET STATION EXISTING UTILITY CROSS SECTION STA. U11-1028+00

NOTE: (*) NOT INCLUDED IN THIS SUBMITTAL

	New York City Transit Capital Construction	HYDC Hudson Yards Development Corporation	DESIGNED BY: J. JIMENEZ	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN INDEX OF DRAWINGS SHEET 2	DATE: JAN 19, 2007
	IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL."	CHECKED BY: N. KOLLIOS	DRAWING No. GP-10002		
REV	DESCRIPTION	DATE	APPROVED	APPROVED BY: H. L. BERLINER	REVISION:

SHEET NO.	DWG NO.	REV NO.	DESCRIPTION	SHEET NO.	DWG NO.	REV NO.	DESCRIPTION
			UTILITIES (Con'td)				ENVIRONMENTAL (Con'td)
249 *	UX-50301		SITE P EXISTING UTILITY CROSS SECTION STA. U34-406+00	310 *	ES-93001		NO. 7 TAIL TRACKS ASBESTOS-CONTAINING MATERIALS SURVEY GENERAL NOTES, LEGEND & ABBREVIATIONS
250 *	UX-50302		SITE P EXISTING UTILITY CROSS SECTION STA. U34-407+00	311 *	ES-93003		EXISTING TAIL-TRACK - ASBESTOS-CONTAINING MATERIALS SURVEY TABLE
251 *	UP-50101		SITE P SEWER PLAN	312 *	ES-93102		EXISTING TAIL-TRACK - ASBESTOS-CONTAINING MATERIALS SURVEY - SHEET 1
252 *	UV-50201		SITE P SEWER PROFILE	313 *	ES-93103		EXISTING TAIL-TRACK - ASBESTOS-CONTAINING MATERIALS SURVEY - SHEET 2
253 *	UE-60101		TENTH AVE. STATION EXISTING UTILITY COMPOSITE PLAN - SHEET 1	314 *	ES-93104		EXISTING TAIL-TRACK - ASBESTOS-CONTAINING MATERIALS SURVEY - SHEET 3
254 *	UE-60102		TENTH AVE. STATION EXISTING UTILITY COMPOSITE PLAN - SHEET 2	315 *	ES-93105		EXISTING TAIL-TRACK - ASBESTOS-CONTAINING MATERIALS SURVEY - SHEET 4
255 *	UE-60103		TENTH AVE. STATION EXISTING UTILITY COMPOSITE PLAN - SHEET 3	316 *	ES-93106		EXISTING TAIL-TRACK - ASBESTOS-CONTAINING MATERIALS SURVEY - SHEET 5
256 *	UE-60104		TENTH AVE. STATION EXISTING UTILITY COMPOSITE PLAN - SHEET 4				
257 *	UE-60105		TENTH AVE. STATION EXISTING UTILITY COMPOSITE PLAN - SHEET 5	317 *	ES-93200		EIGHTH AVENUE FAN CHAMBER OF EXISTING TAIL TRACK PLANS - ASBESTOS-CONTAINING MATERIALS SURVEY
258 *	UE-60106		TENTH AVE. STATION EXISTING UTILITY COMPOSITE PLAN - SHEET 6	318 *	ES-93201		EIGHTH AVENUE FAN CHAMBER OF EXISTING TAIL TRACK SECTIONS - ASBESTOS-CONTAINING MATERIALS SURVEY
259 *	UE-60107		TENTH AVE. STATION EXISTING UTILITY COMPOSITE PLAN - SHEET 7				
260 *	UE-60108		TENTH AVE. STATION EXISTING UTILITY COMPOSITE PLAN EAST OF 8TH AVE. ALONG WEST 41ST STREET - SHEET 1				
261 *	UE-60109		TENTH AVE. STATION EXISTING UTILITY COMPOSITE PLAN EAST OF 8TH AVE. ALONG WEST 41ST STREET - SHEET 2	319 *	EN-50012		ASBESTOS-CONTAINING MATERIALS ABATEMENT PLANS
262 *	UP-60141		TENTH AVE. STATION TELEPHONE, COMMUNICATION AND TRAFFIC SYSTEMS PLAN - SHEET 1	320 *	EN-50013		SITE P - VERIZON BUILDING ASBESTOS-CONTAINING MATERIALS TABLE - BASEMENT AND FIRST FLOOR
263 *	UP-60142		TENTH AVE. STATION TELEPHONE, COMMUNICATION AND TRAFFIC SYSTEMS PLAN - SHEET 2	321 *	EN-50014		SITE P - VERIZON BUILDING ASBESTOS-CONTAINING MATERIALS TABLE - SECOND FLOOR
264 *	UP-60143		TENTH AVE. STATION TELEPHONE, COMMUNICATION AND TRAFFIC SYSTEMS PLAN - SHEET 3	322 *	EN-50111		SITE P - VERIZON BUILDING ASBESTOS-CONTAINING MATERIALS TABLE - ROOF LEVEL
265 *	UP-60131		TENTH AVENUE STATION ELECTRIC AND GAS PLAN - SHEET 1	323 *	EN-50112		SITE P - VERIZON BUILDING ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - BASEMENT FLOOR
266 *	UP-60132		TENTH AVENUE STATION ELECTRIC AND GAS PLAN - SHEET 2	324 *	EN-50113		SITE P - VERIZON BUILDING ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - FIRST FLOOR
267 *	UP-60133		TENTH AVENUE STATION ELECTRIC AND GAS PLAN - SHEET 3	325 *	EN-50114		SITE P - VERIZON BUILDING ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - SECOND FLOOR
268 *	UP-60134		TENTH AVENUE STATION ELECTRIC AND GAS PLAN - SHEET 4				SITE P - VERIZON BUILDING ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - ROOF LEVEL
269 *	UP-60151		TENTH AVENUE STATION WATER AND SEWER PLAN - SHEET 1	326	EN - ****		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS ABATEMENT TABLE
270 *	UP-60152		TENTH AVENUE STATION WATER AND SEWER PLAN - SHEET 2	327	EN - ****		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS ABATEMENT TABLE
271 *	UP-60153		TENTH AVENUE STATION WATER AND SEWER PLAN - SHEET 3	328	EN- 50121		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - BASEMENT LEVEL
272 *	UP-60154		TENTH AVENUE STATION WATER AND SEWER PLAN - SHEET 4	329	EN- 50122		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - FIRST FLOOR
273 *	UP-60157		TENTH AVENUE STATION WATER AND SEWER PLAN - SHEET 5	330	EN- 50123		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - SECOND FLOOR
274 *	UV-60201		TENTH AVENUE STATION WEST 41ST STREET SEWER PROFILE - SHEET 1	331	EN- 50124		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - THIRD FLOOR
275 *	UV-60202		TENTH AVENUE STATION WEST 41ST STREET SEWER PROFILE - SHEET 2	332	EN- 50125		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - FOURTH FLOOR
276 *	UV-60203		TENTH AVENUE STATION WEST 41ST STREET SEWER PROFILE - SHEET 3	333	EN- 50126		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - ROOF LEVEL
277 *	UV-60204		TENTH AVENUE STATION WEST 41ST STREET SEWER PROFILE - SHEET 4				
278 *	UV-60205		TENTH AVENUE STATION WEST 41ST STREET SEWER PROFILE - SHEET 5	334 *	EN-70103		SITE M - CC TRUCK RENTAL ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - FIRST FLOOR
279 *	UX-60301		EXISTING AND NEW UTILITY CROSS SECTIONS - STA. U41-810+00	335 *	EN-70104		SITE M - CC TRUCK RENTAL ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - ROOF LEVEL
280 *	UX-60302		EXISTING AND NEW UTILITY CROSS SECTIONS - STA. U41-811+00				
281 *	UX-60303		EXISTING AND NEW UTILITY CROSS SECTIONS - STA. U41-813+40	336 *	EN-93004		TUNNEL UNDER EIGHTH AVENUE SUBWAY - ASBESTOS-CONTAINING MATERIALS ABATEMENT TABLE
			ENVIRONMENTAL	337 *	EN-93005		TUNNEL UNDER EIGHTH AVENUE SUBWAY - ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN
			ASBESTOS-CONTAINING MATERIALS SURVEY DRAWINGS	338 *	EN-93005		EXISTING TAIL-TRACK - ASBESTOS-CONTAINING MATERIALS ABATEMENT TABLE
282 *	ES-50001		SITE P ASBESTOS-CONTAINING MATERIALS SURVEY GENERAL NOTES, LEGEND & ABBREVIATIONS	339 *	EN-93112		EXISTING TAIL-TRACK - ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - SHEET 1
283 *	ES-50002		SITE P - ASBESTOS-CONTAINING MATERIALS SURVEY TABLE - SHEET 1	340 *	EN-93113		EXISTING TAIL-TRACK - ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - SHEET 2
284 *	ES-50003		SITE P - ASBESTOS-CONTAINING MATERIALS SURVEY TABLE - SHEET 2	341 *	EN-93114		EXISTING TAIL-TRACK - ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - SHEET 3
285 *	ES-50004		SITE P - ASBESTOS-CONTAINING MATERIALS SURVEY TABLE - SHEET 3	342 *	EN-93115		EXISTING TAIL-TRACK - ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - SHEET 4
286 *	ES-50005		SITE P - ASBESTOS-CONTAINING MATERIALS SURVEY TABLE - SHEET 4	343 *	EN-93116		EXISTING TAIL-TRACK - ASBESTOS-CONTAINING MATERIALS ABATEMENT PLAN - SHEET 5
287 *	ES-50006		SITE P - ASBESTOS-CONTAINING MATERIALS SURVEY TABLE - SHEET 5				
288 *	ES-50007		SITE P - ASBESTOS-CONTAINING MATERIALS SURVEY TABLE - SHEET 6	344 *	ES-50222		SITE P - CONTAMINATED MATERIALS BUILDING SURVEY TABLE - BASEMENT AND 1ST FLOOR
289 *	ES-50008		SITE P - ASBESTOS-CONTAINING MATERIALS SURVEY TABLE - SHEET 7	345 *	ES-50223		SITE P - CONTAMINATED MATERIALS BUILDING SURVEY TABLE - BASEMENT AND 1ST FLOOR
290 *	ES-50101		SITE P - VERIZON BUILDING ASBESTOS-CONTAINING MATERIALS SURVEY - BASEMENT FLOOR				
291 *	ES-50102		SITE P - VERIZON BUILDING ASBESTOS-CONTAINING MATERIALS SURVEY - FIRST FLOOR				
292 *	ES-50103		SITE P - VERIZON BUILDING ASBESTOS-CONTAINING MATERIALS SURVEY - SECOND FLOOR				
293 *	ES-50104		SITE P - VERIZON BUILDING ASBESTOS-CONTAINING MATERIALS SURVEY - ROOF LEVEL				
294	ES- 50131		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS SURVEY TABLE	346 *	GT-10011		GEOTECHNICAL
295	ES- 50132		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS SURVEY TABLE				GEOTECHNICAL LEGEND, NOTES AND ABBREVIATIONS
296	ES- 50133		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS SURVEY TABLE	347 *	GT-10101		GEOTECHNICAL BORING LOCATION PLAN - STA. C2-1+41.09 TO STA. C2-8+00 - SHEET 1
297	ES- 50121		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS SURVEY - BASEMENT LEVEL	348 *	GT-10102		GEOTECHNICAL BORING LOCATION PLAN - STA. C2-8+00 TO STA. C2-18+00 - SHEET 2
298	ES- 50122		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS SURVEY - FIRST FLOOR	349 *	GT-10103		GEOTECHNICAL BORING LOCATION PLAN - STA. C2-18+00 TO STA. C2-28+50 - SHEET 3
299	ES- 50123		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS SURVEY - SECOND FLOOR	350 *	GT-10104		GEOTECHNICAL BORING LOCATION PLAN - STA. C2-28+50 TO STA. C2-38+00 - SHEET 4
300	ES- 50124		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS SURVEY - THIRD FLOOR	351 *	GT-10105		GEOTECHNICAL BORING LOCATION PLAN - STA. C2-38+00 TO STA. C2-45+50 - SHEET 5
301	ES- 50125		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS SURVEY - FOURTH FLOOR	352 *	GT-10106		GEOTECHNICAL BORING LOCATION PLAN - STA. C2-45+50 TO STA. C2-55+50 - SHEET 6
302	ES- 50126		SITE P - 550 W. 35th ST. ASBESTOS-CONTAINING MATERIALS SURVEY - ROOF LEVEL	353 *	GT-10107		GEOTECHNICAL BORING LOCATION PLAN - STA. C2-55+50 TO STA. C2-65+50 - SHEET 7
				354 *	GT-10108		GEOTECHNICAL BORING LOCATION PLAN - STA. C2-65+50 TO STA. C2-69+23.70 - SHEET 8
303 *	ES-70001		SITE M - ASBESTOS-CONTAINING MATERIALS SURVEY GENERAL NOTES, LEGEND & ABBREVIATIONS	355 *	GT-10201		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C2-1+41.09 TO STA. C2-8+00 - SHEET 1
304 *	ES-70002		SITE M - CC TRUCK RENTAL ASBESTOS-CONTAINING MATERIALS SURVEY TABLE	356 *	GT-10202		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C2-8+00 TO STA. C2-18+00 - SHEET 2
305 *	ES-70101		SITE M - CC TRUCK RENTAL ASBESTOS-CONTAINING MATERIALS SURVEY - FIRST FLOOR	357 *	GT-10203		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C2-18+00 TO STA. C2-28+50 - SHEET 3
306 *	ES-70102		SITE M - CC TRUCK RENTAL ASBESTOS-CONTAINING MATERIALS SURVEY - ROOF LEVEL	358 *	GT-10204		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C2-28+50 TO STA. C2-38+00 - SHEET 4
				359 *	GT-10205		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C2-38+00 TO STA. C2-45+50 - SHEET 5
307 *	ES-92001		EIGHTH AVE TUNNEL ASBESTOS-CONTAINING MATERIALS SURVEY GENERAL NOTES, LEGEND & ABBREVIATIONS	360 *	GT-10206		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C2-45+50 TO STA. C2-55+50 - SHEET 6
308 *	ES-93002		TUNNEL UNDER EIGHTH AVENUE SUBWAY - ASBESTOS-CONTAINING MATERIALS SURVEY TABLE	361 *	GT-10207		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C2-55+50 TO STA. C2-65+50 - SHEET 7
309 *	ES-93101		TUNNEL UNDER EIGHTH AVENUE SUBWAY - ASBESTOS-CONTAINING MATERIALS SURVEY	362 *	GT-10208		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C2-65+50 TO STA. C2-69+23.70 - SHEET 8

VOLUME 2

NOTE: (*) NOT INCLUDED IN THIS SUBMITTAL

	New York City Transit Capital Construction Hudson Yards Development Corporation	DESIGNED BY: J. JIMENEZ DRAWN BY: J. JIMENEZ CHECKED BY: N. KOLLIOS APPROVED BY: H. L. BERLINER	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN INDEX OF DRAWINGS SHEET 3	DATE: JAN 19, 2007 DRAWING No. GP-10003 REVISION:
	IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.	REV DESCRIPTION DATE APPROVED		

SHEET NO.	DWG NO.	REV NO.	DESCRIPTION	SHEET NO.	DWG NO.	REV NO.	DESCRIPTION
			<u>GEOTECHNICAL (Cont'd)</u>				<u>GEOTECHNICAL INSTRUMENTATION (Cont'd)</u>
363 *	GT-10211		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C1-1+33.71 TO STA. C1-8+00 - SHEET 1	422 *	GN-10107		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-27+50 TO STA. C2-31+50 (PART PLAN) - SHEET 7
364 *	GT-10212		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C1-8+00 TO STA. C1-18+00 - SHEET 2	423 *	GN-10108		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-31+50 TO STA. C2-35+50 - SHEET 8
365 *	GT-10213		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C1-18+00 TO STA. C1-28+50 - SHEET 3	424 *	GN-10109		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-35+50 TO STA. C2-40+00 - SHEET 9
366 *	GT-10214		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C1-28+50 TO STA. C1-38+00 - SHEET 4	425 *	GN-10110		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-40+00 TO STA. C2-44+50 - SHEET 10
367 *	GT-10215		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C1-38+00 TO STA. C1-45+50 - SHEET 5	426	GN-10111		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-44+50 TO STA. C2-49+25 - SHEET 11
368 *	GT-10216		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C1-45+50 TO STA. C1-55+50 - SHEET 6	427	GN-10112		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-49+25 TO STA. C2-54+00 - SHEET 12
369 *	GT-10217		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C1-55+50 TO STA. C1-65+50 - SHEET 7	428	GN-10113		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-54+00 TO STA. C2-58+50 - SHEET 13
370 *	GT-10218		GEOTECHNICAL LONGITUDINAL PROFILE - STA. C1-65+50 TO STA. C1-69+98.69 - SHEET 8	429	GN-10114		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-58+50 TO STA. C2-63+00 - SHEET 14
				430	GN-10115		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-63+00 TO STA. C2-67+50 - SHEET 15
				431	GN-10116		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-67+50 TO STA. C2-69+23.70 - SHEET 16
371 *	GT-10301		GEOTECHNICAL TRANSVERSE SECTION - SHEET 1	432 *	GN-10117		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-22+50 TO STA. C2-27+50 (PART PLAN) - SHEET 17
372 *	GT-10302		GEOTECHNICAL TRANSVERSE SECTION - SHEET 2	433 *	GN-10118		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-27+50 TO STA. C2-30+50 (PART PLAN) - SHEET 18
373 *	GT-10303		GEOTECHNICAL TRANSVERSE SECTION - SHEET 3				
374 *	GT-10304		GEOTECHNICAL TRANSVERSE SECTION - SHEET 4	434	GN-10130		GEOTECHNICAL INSTRUMENTATION PLAN - PORT AUTHORITY BUS RAMP - SHEET 1
375 *	GT-10305		GEOTECHNICAL TRANSVERSE SECTION - SHEET 5	435	GN-10131		GEOTECHNICAL INSTRUMENTATION PLAN - PORT AUTHORITY BUS RAMP - SHEET 2
376 *	GT-10306		GEOTECHNICAL TRANSVERSE SECTION - SHEET 6				
377 *	GT-10307		GEOTECHNICAL TRANSVERSE SECTION - SHEET 7	436 *	GN-10201		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-1+41.09 TO STA. C2-4+25 - SHEET 1
378 *	GT-10308		GEOTECHNICAL TRANSVERSE SECTION - SHEET 8	437 *	GN-10202		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-4+25 TO STA. C2-9+00 - SHEET 2
379 *	GT-10309		GEOTECHNICAL TRANSVERSE SECTION - SHEET 9	438 *	GN-10203		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-9+00 TO STA. C2-14+00 - SHEET 3
380 *	GT-10310		GEOTECHNICAL TRANSVERSE SECTION - SHEET 10	439 *	GN-10204		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-14+00 TO STA. C2-18+00 - SHEET 4
381 *	GT-10311		GEOTECHNICAL TRANSVERSE SECTION - SHEET 11	440 *	GN-10205		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-18+00 TO STA. C2-22+50 - SHEET 5
382 *	GT-10312		GEOTECHNICAL TRANSVERSE SECTION - SHEET 12	441 *	GN-10206		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-22+50 TO STA. C2-27+50 - SHEET 6
383 *	GT-10313		GEOTECHNICAL TRANSVERSE SECTION - SHEET 13	442 *	GN-10207		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-27+50 TO STA. C2-31+50 - SHEET 7
384 *	GT-10314		GEOTECHNICAL TRANSVERSE SECTION - SHEET 14	443 *	GN-10208		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-31+50 TO STA. C2-35+50 - SHEET 8
385 *	GT-10315		GEOTECHNICAL TRANSVERSE SECTION - SHEET 15	444 *	GN-10209		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-35+50 TO STA. C2-40+00 - SHEET 9
386 *	GT-10316		GEOTECHNICAL TRANSVERSE SECTION - SHEET 16	445 *	GN-10210		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-40+00 TO STA. C2-44+50 - SHEET 10
387	GT-60301		GEOTECHNICAL TRANSVERSE SECTION - SHEET 17	446	GN-10211		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-44+50 TO STA. C2-49+25 - SHEET 11
388	GT-60302		GEOTECHNICAL TRANSVERSE SECTION - SHEET 18	447	GN-10212		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-49+25 TO STA. C2-54+00 - SHEET 12
389	GT-60303		GEOTECHNICAL TRANSVERSE SECTION - SHEET 19	448	GN-10213		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-54+00 TO STA. C2-58+50 - SHEET 13
390	GT-60304		GEOTECHNICAL TRANSVERSE SECTION - SHEET 20	449	GN-10214		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-58+50 TO STA. C2-63+00 - SHEET 14
391	GT-60305		GEOTECHNICAL TRANSVERSE SECTION - SHEET 21	450	GN-10215		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-63+00 TO STA. C2-67+50 - SHEET 15
392	GT-60306		GEOTECHNICAL TRANSVERSE SECTION - SHEET 22	451	GN-10216		GEOTECHNICAL INSTRUMENTATION PROFILE - STA. C2-67+50 TO STA. C2-69+23.70 - SHEET 16
393	GT-60307		GEOTECHNICAL TRANSVERSE SECTION - SHEET 23				
394	GT-60308		GEOTECHNICAL TRANSVERSE SECTION - SHEET 24				
395	GT-90301		GEOTECHNICAL TRANSVERSE SECTION - SHEET 25	452 *	GN-10301		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 1
396	GT-90302		GEOTECHNICAL TRANSVERSE SECTION - SHEET 26	453 *	GN-10302		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 2
397	GT-90303		GEOTECHNICAL TRANSVERSE SECTION - SHEET 27	454 *	GN-10303		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 3
398	GT-90304		GEOTECHNICAL TRANSVERSE SECTION - SHEET 28	455 *	GN-10304		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 4
399	GT-91301		GEOTECHNICAL TRANSVERSE SECTION - SHEET 29	456 *	GN-10305		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 5
400	GT-91302		GEOTECHNICAL TRANSVERSE SECTION - SHEET 30	457 *	GN-10306		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 6
				458 *	GN-10307		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 7
				459 *	GN-10308		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 8
				460 *	GN-10309		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 9
401 *	GT-10111		EXISTING BUILDING DATA PLAN - STA. C2-1+41.09 TO STA. C2-8+00 - SHEET 1	461 *	GN-10310		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 10
402 *	GT-10112		EXISTING BUILDING DATA PLAN - STA. C2-8+00 TO STA. C2-18+00 - SHEET 2	462 *	GN-10311		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 11
403 *	GT-10113		EXISTING BUILDING DATA PLAN - STA. C2-18+00 TO STA. C2-28+50 - SHEET 3	463 *	GN-10312		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 12
404 *	GT-10114		EXISTING BUILDING DATA PLAN - STA. C2-28+50 TO STA. C2-38+00 - SHEET 4	464 *	GN-10313		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 13
405 *	GT-10115		EXISTING BUILDING DATA PLAN - STA. C2-38+00 TO STA. C2-45+50 - SHEET 5	465 *	GN-10314		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 14
406 *	GT-10116		EXISTING BUILDING DATA PLAN - STA. C2-45+50 TO STA. C2-55+50 - SHEET 6	466 *	GN-10315		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 15
407 *	GT-10117		EXISTING BUILDING DATA PLAN - STA. C2-55+50 TO STA. C2-65+50 - SHEET 7	467 *	GN-10316		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 16
408 *	GT-10118		EXISTING BUILDING DATA PLAN - STA. C2-65+50 TO STA. C2-69+23.70 - SHEET 8	468	GN-60301		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 17
				469	GN-60302		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 18
				470	GN-60303		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 19
409 *	GT-10121		SUGGESTED GROUND IMPROVEMENT - ELEVENTH AVENUE AND 27TH STREET	471	GN-60304		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 20
410 *	GT-10123		SUGGESTED GROUND IMPROVEMENT - 34TH STREET CAVERN / TUNNEL INTERSECTION T3	472	GN-60305		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 21
411	GT-10126		SUGGESTED GROUND IMPROVEMENT - TENTH AVENUE AND 41ST STREET - SHEET 1	473	GN-60306		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 22
412	GT-10127		SUGGESTED GROUND IMPROVEMENT - TENTH AVENUE AND 41ST STREET - SHEET 2	474	GN-60307		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 23
413	GT-10141		SUGGESTED GROUND IMPROVEMENT - PABT BUS RAMP - SHEET 1	475	GN-60308		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 24
414	GT-10142		SUGGESTED GROUND IMPROVEMENT - PABT BUS RAMP - SHEET 2	476	GN-90301		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 25
				477	GN-90302		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 26
				478	GN-90303		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 27
415 *	GN-10011		<u>GEOTECHNICAL INSTRUMENTATION</u> GEOTECHNICAL INSTRUMENTATION LEGEND, NOTES AND ABBREVIATIONS	479	GN-90304		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 28
				480	GN-91301		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 29
416 *	GN-10101		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-1+41.09 TO STA. C2-4+25 - SHEET 1	481	GN-91302		GEOTECHNICAL INSTRUMENTATION SECTION - SHEET 30
417 *	GN-10102		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-4+25 TO STA. C2-9+00 - SHEET 2				
418 *	GN-10103		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-9+00 TO STA. C2-14+00 - SHEET 3	482 *	GN-10501		GEOTECHNICAL INSTRUMENTATION - TYPICAL DETAILS - SHEET 1
419 *	GN-10104		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-14+00 TO STA. C2-18+00 - SHEET 4	483 *	GN-10502		GEOTECHNICAL INSTRUMENTATION - TYPICAL DETAILS - SHEET 2
420 *	GN-10105		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-18+00 TO STA. C2-22+50 - SHEET 5	484 *	GN-10503		GEOTECHNICAL INSTRUMENTATION - TYPICAL DETAILS - SHEET 3
421 *	GN-10106		GEOTECHNICAL INSTRUMENTATION PLAN - STA. C2-22+50 TO STA. C2-27+50 (PART PLAN) - SHEET 6				

NOTE: (*) NOT INCLUDED IN THIS SUBMITTAL

	DESIGNED BY: J. JIMENEZ	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN INDEX OF DRAWINGS SHEET 4	DATE: JAN 19, 2007
	DRAWN BY: J. JIMENEZ		DRAWING No. GP-10004
CHECKED BY: N. KOLLIOS	APPROVED BY: H. L. BERLINER		REVISION:
PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC. <small>ONE PENN PLAZA, NEW YORK, NY 10119</small>	IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.	REV	DESCRIPTION
			DATE
			APPROVED

SHEET NO.	DWG NO.	REV NO.	DESCRIPTION	SHEET NO.	DWG NO.	REV NO.	DESCRIPTION
			GEOTECHNICAL (Cont'd)				STRUCTURAL (Cont'd)
485 *	GN-10504		GEOTECHNICAL INSTRUMENTATION - TYPICAL DETAILS - SHEET 4	539	ST-20541		SITE A DRAINAGE DETAILS - SHEET 1
486 *	GN-10505		GEOTECHNICAL INSTRUMENTATION - TYPICAL DETAILS - SHEET 5	540	ST-20542		SITE A DRAINAGE DETAILS - SHEET 2
			INITIAL SUPPORT AND EXCAVATION SEQUENCE	541	ST-20543		SITE A DRAINAGE DETAILS - SHEET 3
487 *	GR-10011		INITIAL SUPPORT - LEGEND, NOTES AND ABBREVIATIONS				
488 *	GR-10012		SUPPORT OF EXCAVATION - NOTES AND DESIGN CRITERIA	542	ST-20551		SITE A - WATERPROOFING DETAILS - SHEET 1
489 *	GR-10013		SUPPORT OF EXCAVATION - LATERAL PRESSURE DIAGRAMS	543	ST-20552		SITE A - WATERPROOFING DETAILS - SHEET 2
			STRUCTURAL				34TH STREET STATION AND UTILITY TUNNELS
490 *	ST-10001		STRUCTURAL GENERAL NOTES - SHEET 1	544 *	ST-30000		34TH STREET STATION KEY PLAN
491 *	ST-10002		STRUCTURAL GENERAL NOTES - SHEET 2				
492 *	ST-10003		STRUCTURAL GENERAL NOTES - SHEET 3	545 *	ST-30051		34TH STREET STATION - FINAL LINER PRESSEURE DIAGRAMS - SHEET 1
493 *	ST-10004		STRUCTURAL GENERAL NOTES - SHEET 4	546 *	ST-30052		34TH STREET STATION - FINAL LINER PRESSEURE DIAGRAMS - SHEET 2
494 *	ST-10005		STRUCTURAL ABBREVIATIONS				
495 *	ST-10006		STRUCTURAL LEGEND AND SYMBOLS	547 *	ST-30101		34TH STREET STATION - INVERT LEVEL PLAN - SHEET 1
			PRECAST CONCRETE TUNNEL LINING	548 *	ST-30102		34TH STREET STATION - INVERT LEVEL PLAN - SHEET 2
496 *	ST-10321		PRECAST CONCRETE TUNNEL LINING-TYPE S TYPICAL SEGMENTAL LINING ELEVATION AND RING TAPER	549 *	ST-30103		34TH STREET STATION - INVERT LEVEL PLAN - SHEET 3
497 *	ST-10322		PRECAST CONCRETE TUNNEL LINING-TYPE S RING ARRANGEMENT FOR STRAIGHT AND CURVED LINING ALIGNMENT	550 *	ST-30104		34TH STREET STATION - INVERT LEVEL PLAN - SHEET 4
498 *	ST-10323		PRECAST CONCRETE TUNNEL LINING-TYPE S DEVELOPED PLAN OF RING ARRANGEMENT FOR STRAIGHT TUNNEL ALIGNMENT	551 *	ST-30105		34TH STREET STATION - INVERT LEVEL PLAN - SHEET 5
499 *	ST-10324		PRECAST CONCRETE TUNNEL LINING-TYPE S GEOMETRY OF SEGMENT TYPES SA-SB AND SB-SC	552 *	ST-30106		34TH STREET STATION - INVERT LEVEL PLAN - SHEET 6
500 *	ST-10325		PRECAST CONCRETE TUNNEL LINING-TYPE S GEOMETRY OF SEGMENT TYPES SC-SD AND SF-SA	553 *	ST-30107		34TH STREET STATION - INVERT LEVEL PLAN - SHEET 7
501 *	ST-10326		PRECAST CONCRETE TUNNEL LINING-TYPE S GEOMETRY OF SEGMENT TYPES SD-SE AND SE-SF	554 *	ST-30108		34TH STREET STATION - INVERT LEVEL PLAN - SHEET 8
502 *	ST-10521		PRECAST CONCRETE TUNNEL LINING-TYPE S TYPICAL JOINT DETAIL	555 *	ST-30112		34TH STREET STATION - PLATFORM LEVEL PLAN - SHEET 1
503 *	ST-10522		PRECAST CONCRETE TUNNEL LINING-TYPE S SOCKET, PACKER AND MARKING DETAILS	556 *	ST-30113		34TH STREET STATION - PLATFORM LEVEL PLAN - SHEET 2
504 *	ST-10523		PRECAST CONCRETE TUNNEL LINING-TYPE S REINFORCEMENT FOR SEGMENT TYPES SA-SB, SB-SC, SD-SE AND SE-SF	557 *	ST-30114		34TH STREET STATION - PLATFORM LEVEL PLAN - SHEET 3
505 *	ST-10524		PRECAST CONCRETE TUNNEL LINING-TYPE S REINFORCEMENT FOR SEGMENT TYPE SC-SD	558 *	ST-30115		34TH STREET STATION - PLATFORM LEVEL PLAN - SHEET 4
506 *	ST-10525		PRECAST CONCRETE TUNNEL LINING-TYPE S REINFORCEMENT FOR SEGMENT TYPE SF-SA	559 *	ST-30116		34TH STREET STATION - PLATFORM LEVEL PLAN - SHEET 5
507 *	ST-10526		PRECAST CONCRETE TUNNEL LINING-TYPE S TUNNEL LINING TOLERANCES AND SEGMENT STACKING	560 *	ST-30117		34TH STREET STATION - PLATFORM LEVEL PLAN - SHEET 6
			CAST-IN-PLACE CONCRETE TUNNEL LINING	561 *	ST-30122		34TH STREET STATION - MEZZANINE LEVEL PLAN - SHEET 1
508 *	ST-10541		CAST-IN-PLACE CONCRETE TUNNEL LINING - TYPICAL SECTION	562 *	ST-30123		34TH STREET STATION - MEZZANINE LEVEL PLAN - SHEET 2
			CROSS PASSAGES	563 *	ST-30124		34TH STREET STATION - MEZZANINE LEVEL PLAN - SHEET 3
509 *	ST-10141		CROSS PASSAGE 1 - PLAN AND LONGITUDINAL SECTION	564 *	ST-30125		34TH STREET STATION - MEZZANINE LEVEL PLAN - SHEET 4
510 *	ST-10142		CROSS PASSAGES 2, 3 & 4 PLAN AND LONGITUDINAL SECTION	565 *	ST-30126		34TH STREET STATION - MEZZANINE LEVEL PLAN - SHEET 5
511	ST-10143		CROSS PASSAGE 5 PLAN AND LONGITUDINAL SECTION	566 *	ST-30127		34TH STREET STATION - MEZZANINE LEVEL PLAN - SHEET 6
512 *	ST-10341		CROSS PASSAGES 2, 3 & 4 - SECTIONS				
513 *	ST-10342		CROSS PASSAGE 5 - SECTIONS	567 *	ST-30131		34TH STREET STATION - UTILITY TUNNELS - TUNNELS T1A, T1B AND T2 INVERT LEVEL PLAN
514 *	ST-10343		CROSS PASSAGE 1 - SECTIONS - SHEET 1	568 *	ST-30133		34TH STREET STATION - UTILITY TUNNELS - TUNNELS T1A AND T1B INTERMEDIATE LEVEL PLAN
515 *	ST-10344		CROSS PASSAGE 1 - SECTIONS - SHEET 2	569 *	ST-30134		34TH STREET STATION - ENTRANCE TUNNELS - TUNNELS E1 AND E2 INVERT LEVEL PLAN
516 *	ST-10345		CROSS PASSAGE 1 THRU 5 - SECTIONS AND DETAILS	570 *	ST-30135		34TH STREET STATION - ENTRANCE TUNNELS - TUNNEL E3 INVERT LEVEL PLAN
517 *	ST-10346		CROSS PASSAGE 1 - END WALL DETAILS	571 *	ST-30136		34TH STREET STATION - UTILITY TUNNELS - TUNNELS T3 AND T4 INVERT LEVEL PLAN
			SITE A	572 *	ST-30137		34TH STREET STATION - UTILITY TUNNELS - TUNNELS T3 AND T4 INTERMEDIATE LEVEL PLAN
518 *	ST-20101		SITE A - SHAFT, ADIT AND TUNNEL INVERT LEVEL PLAN	573 *	ST-30301		34TH STREET STATION - SECTION AT INTERLOCKING BULKHEADS
519 *	ST-20201		SITE A - SHAFT AND ADIT LONGITUDINAL SECTION	574 *	ST-30302		34TH STREET STATION - SECTION AT SOUTH AND NORTH INTERLOCKING CAVERNS
520 *	ST-20202		SITE A - ADIT LONGITUDINAL SECTION	575 *	ST-30303		34TH STREET STATION - SECTION AT SOUTH STATION BULKHEAD
521 *	ST-20301		SITE A - SHAFT SECTIONS SHEET 1	576 *	ST-30304		34TH STREET STATION - TYPICAL SECTION
522 *	ST-20302		SITE A - SHAFT SECTIONS SHEET 2	577 *	ST-30305		34TH STREET STATION - SECTION AT TUNNEL T1A
523 *	ST-20305		SITE A - TUNNEL AND ADIT CROSS-SECTIONS SHEET 1	578 *	ST-30306		34TH STREET STATION - SECTION AT TUNNEL T2
524 *	ST-20306		SITE A - ADIT CROSS-SECTIONS SHEET 2	579 *	ST-30307		34TH STREET STATION - SECTION AT TUNNELS E1, E2 AND E3
525 *	ST-20307		SITE A - ADIT CROSS-SECTIONS SHEET 3	580 *	ST-30308		34TH STREET STATION - SECTION AT TUNNEL E4
526 *	ST-20308		SITE A - ADIT CROSS-SECTIONS SHEET 4	581 *	ST-30309		34TH STREET STATION - SECTION AT TUNNEL T3
527 *	ST-20309		SITE A - ADIT CROSS-SECTIONS SHEET 5	582 *	ST-30310		34TH STREET STATION - SECTION AT FAN ROOM
				583 *	ST-30311		34TH STREET STATION - SECTION AT TUNNEL T4
				584 *	ST-30312		34TH STREET STATION - SECTION AT NORTH STATION BULKHEAD
528	ST-20501		SITE A - ADIT REINFORCEMENT DETAILS SHEET 1				
529	ST-20502		SITE A - ADIT REINFORCEMENT DETAILS SHEET 2	585 *	ST-30316		34TH STREET STATION - UTILITY TUNNELS - SECTIONS AT TUNNEL T1A
530	ST-20503		SITE A - ADIT REINFORCEMENT DETAILS SHEET 3	586 *	ST-30317		34TH STREET STATION - UTILITY TUNNELS - SECTIONS AT TUNNELS T1A AND T1B
531	ST-20504		SITE A - ADIT REINFORCEMENT DETAILS SHEET 4	587 *	ST-30318		34TH STREET STATION - UTILITY TUNNELS - LONGITUDINAL - SECTION AT TUNNELS T1A AND T1B - SHEET 1
532	ST-20505		SITE A - ADIT REINFORCEMENT DETAILS SHEET 5	588 *	ST-30319		34TH STREET STATION - UTILITY TUNNELS - LONGITUDINAL - SECTION AT TUNNELS T1A AND T1B - SHEET 2
533	ST-20506		SITE A - ADIT REINFORCEMENT DETAILS SHEET 6	589 *	ST-30320		34TH STREET STATION - UTILITY TUNNELS - SECTIONS AT TUNNELS T2 AND T1B
534	ST-20507		SITE A - ADIT REINFORCEMENT DETAILS SHEET 7	590 *	ST-30322		34TH STREET STATION - ENTRANCE TUNNELS - SECTIONS AT TUNNELS E1, E2, E3 AND E4
535	ST-20508		SITE A - ADIT REINFORCEMENT DETAILS SHEET 8	591 *	ST-30323		34TH STREET STATION - ENTRANCE TUNNELS - SECTIONS AT TUNNEL E3
536	ST-20509		SITE A - ADIT REINFORCEMENT DETAILS SHEET 9	592 *	ST-30324		34TH STREET STATION - ENTRANCE TUNNELS - LONGITUDINAL SECTION AT TUNNEL E1
				593 *	ST-30325		34TH STREET STATION - ENTRANCE TUNNELS - LONGITUDINAL SECTION AT TUNNEL E2
537	ST-20531		SITE A - MISCELLANEOUS DETAILS SHEET 1	594 *	ST-30326		34TH STREET STATION - ENTRANCE TUNNELS - LONG SECTION AT TUNNEL E3 AND CONSTRUCTION SHAFT - SHEET 1
538 *	ST-20532		SITE A - MISCELLANEOUS DETAILS SHEET 2				NOTE: (*) NOT INCLUDED IN THIS SUBMITTAL

		DESIGNED BY: J. JIMENEZ	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN INDEX OF DRAWINGS SHEET 5	DATE: JAN 19, 2007
		DRAWN BY: J. JIMENEZ		DRAWING No. GP-10005
<small>IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.</small>		CHECKED BY: N. KOLLIOS		REVISION:
REV	DESCRIPTION	DATE	APPROVED	


SHEET No.	DWG No.	REV NO.	DESCRIPTION	SHEET No.	DWG No.	REV NO.	DESCRIPTION
			STRUCTURAL (Cont'd)				STRUCTURAL (Cont'd)
595 *	ST-30327		34TH STREET STATION - ENTRANCE TUNNELS - LONG SECTION AT TUNNEL E3 AND CONSTRUCTION SHAFT - SHEET 2	655 *	ST-30552		34TH STREET STATION - TYPICAL REINFORCEMENT DETAILS - SHEET 2
596 *	ST-30328		34TH STREET STATION - UTILITY TUNNELS - SECTIONS AT TUNNEL T3	656 *	ST-30553		34TH STREET STATION - TYPICAL REINFORCEMENT DETAILS - SHEET 3
597 *	ST-30329		34TH STREET STATION - UTILITY TUNNELS - LONGITUDINAL SECTION AT TUNNEL T3	657 *	ST-30554		34TH STREET STATION - TYPICAL REINFORCEMENT DETAILS - SHEET 4
598 *	ST-30330		34TH STREET STATION - UTILITY TUNNELS - SECTIONS AT TUNNEL T4	658 *	ST-30555		34TH STREET STATION - TYPICAL REINFORCEMENT DETAILS - SHEET 5
599 *	ST-30331		34TH STREET STATION - UTILITY TUNNELS - LONGITUDINAL SECTION AT TUNNEL T4	659 *	ST-30556		34TH STREET STATION - TYPICAL REINFORCEMENT DETAILS - SHEET 6
600 *	ST-30332		34TH STREET STATION - ENTRANCE TUNNELS - SECTIONS AT TUNNEL E3 AND CONSTRUCTION SHAFT	660 *	ST-30557		34TH STREET STATION - TYPICAL REINFORCEMENT DETAILS - SHEET 7
				661 *	ST-30558		34th STREET STATION - TYPICAL REINFORCEMENT DETAILS - SHEET 8
601 *	ST-30412		34TH STREET STATION - MEZZANINE LEVEL REINFORCEMENT PLAN - SHEET 1	662 *	ST-30561		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 1
602 *	ST-30413		34TH STREET STATION - MEZZANINE LEVEL REINFORCEMENT PLAN - SHEET 2	663 *	ST-30563		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 2
603 *	ST-30414		34TH STREET STATION - MEZZANINE LEVEL REINFORCEMENT PLAN - SHEET 3	664 *	ST-30564		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 3
604 *	ST-30415		34TH STREET STATION - MEZZANINE LEVEL REINFORCEMENT PLAN - SHEET 4	665 *	ST-30565		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 4
605 *	ST-30416		34TH STREET STATION - MEZZANINE LEVEL REINFORCEMENT PLAN - SHEET 5	666 *	ST-30566		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 5
606 *	ST-30417		34TH STREET STATION - MEZZANINE LEVEL REINFORCEMENT PLAN - SHEET 6	667 *	ST-30567		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 6
607 *	ST-30421		34TH STREET STATION - MEZZANINE LEVEL FLOOR OPENINGS SCHEDULE	668 *	ST-30568		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 7
608 *	ST-30422		34TH STREET STATION - MEZZANINE LEVEL INSERTS AND EMBEDMENTS PLAN - SHEET 1	669 *	ST-30569		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 8
609 *	ST-30423		34TH STREET STATION - MEZZANINE LEVEL INSERTS AND EMBEDMENTS PLAN - SHEET 2	670 *	ST-30570		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 9
610 *	ST-30424		34TH STREET STATION - MEZZANINE LEVEL INSERTS AND EMBEDMENTS PLAN - SHEET 3	671 *	ST-30571		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 10
611 *	ST-30425		34TH STREET STATION - MEZZANINE LEVEL INSERTS AND EMBEDMENTS PLAN - SHEET 4	672 *	ST-30572		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 11
612 *	ST-30426		34TH STREET STATION - MEZZANINE LEVEL INSERTS AND EMBEDMENTS PLAN - SHEET 5	673 *	ST-30573		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 12
613 *	ST-30427		34TH STREET STATION - MEZZANINE LEVEL INSERTS AND EMBEDMENTS PLAN - SHEET 6	674 *	ST-30574		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 13
614 *	ST-30502		34TH STREET STATION - REINFORCEMENT DETAILS - INTERLOCKING CAVERNS TYPICAL SECTION	675 *	ST-30575		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 14
615 *	ST-30504		34TH STREET STATION - REINFORCEMENT DETAILS - STATION CAVERN TYPICAL SECTION	676 *	ST-30576		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 15
616 *	ST-30505		34TH STREET STATION - REINFORCEMENT DETAILS - TUNNEL T1A INTERSECTION	677 *	ST-30577		34TH STREET STATION - STATION AND TUNNELS - MISCELLANEOUS DETAILS - SHEET 16
617 *	ST-30506		34TH STREET STATION - REINFORCEMENT DETAILS - TUNNEL T2 INTERSECTION	678 *	ST-30581		34TH STREET STATION - INVERT DRAINAGE PLAN - SHEET 1
618 *	ST-30507		34TH STREET STATION - REINFORCEMENT DETAILS - TUNNELS E1, E2, AND E3 INTERSECTIONS	679 *	ST-30582		34TH STREET STATION - INVERT DRAINAGE PLAN - SHEET 2
619 *	ST-30508		34TH STREET STATION - REINFORCEMENT DETAILS - TUNNEL E4 INTERSECTION	680 *	ST-30583		34TH STREET STATION - INVERT DRAINAGE DETAILS - SHEET 1
620 *	ST-30509		34TH STREET STATION - REINFORCEMENT DETAILS - TUNNEL T3 INTERSECTION	681 *	ST-30584		34TH STREET STATION - INVERT DRAINAGE DETAILS - SHEET 2
621 *	ST-30510		34TH STREET STATION - REINFORCEMENT DETAILS - FAN ROOM TYPICAL SECTION	682 *	ST-30585		34TH STREET STATION - INVERT DRAINAGE DETAILS - SHEET 3
622 *	ST-30511		34TH STREET STATION - REINFORCEMENT DETAILS - TUNNEL T4 INTERSECTION	683 *	ST-30586		34TH STREET STATION - INVERT DRAINAGE DETAILS - SHEET 4
623 *	ST-30512		34TH STREET STATION - REINFORCEMENT DETAILS - UTILITY AND ENTRANCE TUNNEL PORTALS - SHEET 1	684 *	ST-30591		34TH STREET STATION - WATERPROOFING DETAILS - SHEET 1
624 *	ST-30513		34TH STREET STATION - REINFORCEMENT DETAILS - UTILITY AND ENTRANCE TUNNEL PORTALS - SHEET 2	685 *	ST-30592		34TH STREET STATION - WATERPROOFING DETAILS - SHEET 2
625 *	ST-30514		34TH STREET STATION - REINFORCEMENT DETAILS - UTILITY AND ENTRANCE TUNNEL PORTALS - SHEET 3	686 *	ST-30593		34TH STREET STATION - WATERPROOFING DETAILS - SHEET 3
626 *	ST-30515		34TH STREET STATION - PARTIAL PLANS, SECTIONS AND DETAILS - SHEET 1	687 *	ST-30594		34TH STREET STATION - WATERPROOFING DETAILS - SHEET 4
627 *	ST-30516		34TH STREET STATION - PARTIAL PLANS, SECTIONS AND DETAILS - SHEET 2	688 *	ST-30595		34TH STREET STATION - WATERPROOFING DETAILS - SHEET 5
628 *	ST-30517		34TH STREET STATION - PARTIAL PLANS, SECTIONS AND DETAILS - SHEET 3	689 *	ST-30596		34TH STREET STATION - WATERPROOFING DETAILS - SHEET 6
629 *	ST-30518		34TH STREET STATION - PARTIAL PLANS, SECTIONS AND DETAILS - SHEET 4				
630 *	ST-30519		34TH STREET STATION - PARTIAL PLANS, SECTIONS AND DETAILS - SHEET 5				
631 *	ST-30520		34TH STREET STATION - PARTIAL PLANS, SECTIONS AND DETAILS - SHEET 6	690 *	ST-51101		SITE K SITE K - SHAFT INVERT (B5) LEVEL PLAN
632 *	ST-30521		34TH STREET STATION - PARTIAL PLANS, SECTIONS AND DETAILS - SHEET 7	691 *	ST-51102		SITE K - SHAFT INTERMEDIATE (B4) LEVEL PLAN
633 *	ST-30522		34TH STREET STATION - PARTIAL PLANS, SECTIONS AND DETAILS - SHEET 8	692 *	ST-51103		SITE K - SHAFT TYPICAL PLAN
634 *	ST-30523		34TH STREET STATION - PARTIAL PLANS, SECTIONS AND DETAILS - SHEET 9	693 *	ST-51104		SITE K - SHAFT TOP LEVEL PLAN
635 *	ST-30524		34TH STREET STATION - PARTIAL PLANS, SECTIONS AND DETAILS - SHEET 10				
636 *	ST-30525		34TH STREET STATION - PARTIAL PLANS, SECTIONS AND DETAILS - SHEET 11	694 *	ST-51301		SITE K -SHAFT SECTIONS - SHEET 1
637 *	ST-30526		34TH STREET STATION - PARTIAL PLANS, SECTIONS AND DETAILS - SHEET 12	695 *	ST-51302		SITE K -SHAFT SECTIONS - SHEET 2
638 *	ST-30527		34TH STREET STATION - PARTIAL PLANS, SECTIONS AND DETAILS - SHEET 13	696 *	ST-51303		SITE K -SHAFT SECTIONS - SHEET 3
				697 *	ST-51304		SITE K -SHAFT SECTIONS - SHEET 4
639 *	ST-30528		34TH STREET STATION - BULKHEADS SECTIONS AND DETAILS - SHEET 1				
640 *	ST-30529		34TH STREET STATION - BULKHEADS SECTIONS AND DETAILS - SHEET 2	698	ST-51501		SITE K - SHAFT REINFORCEMENT DETAILS SHEET 1
641 *	ST-30530		34TH STREET STATION - BULKHEADS SECTIONS AND DETAILS - SHEET 3	699	ST-51502		SITE K - SHAFT REINFORCEMENT DETAILS SHEET 2
642 *	ST-30531		34TH STREET STATION - REINFORCEMENT DETAILS - UTILITY AND ENTRANCE TUNNELS - SHEET 1	700	ST-51503		SITE K - SHAFT REINFORCEMENT DETAILS SHEET 3
643 *	ST-30532		34TH STREET STATION - REINFORCEMENT DETAILS - UTILITY AND ENTRANCE TUNNELS - SHEET 2	701	ST-51504		SITE K - SHAFT REINFORCEMENT DETAILS SHEET 4
644 *	ST-30533		34TH STREET STATION - REINFORCEMENT DETAILS - UTILITY AND ENTRANCE TUNNELS - SHEET 3	702	ST-51505		SITE K - SHAFT REINFORCEMENT DETAILS SHEET 5
645 *	ST-30534		34TH STREET STATION - REINFORCEMENT DETAILS - UTILITY AND ENTRANCE TUNNELS - SHEET 4	703 *	ST-51521		SITE K - SHAFT MISCELLANEOUS DETAILS SHEET 1
646 *	ST-30535		34TH STREET STATION - REINFORCEMENT DETAILS - UTILITY AND ENTRANCE TUNNELS - SHEET 5	704 *	ST-51522		SITE K - SHAFT MISCELLANEOUS DETAILS SHEET 2
647 *	ST-30536		34TH STREET STATION - REINFORCEMENT DETAILS - UTILITY AND ENTRANCE TUNNELS - SHEET 6	705 *	ST-51523		SITE K - SHAFT MISCELLANEOUS DETAILS SHEET 3
648 *	ST-30537		34TH STREET STATION - REINFORCEMENT DETAILS - UTILITY AND ENTRANCE TUNNELS - SHEET 7				
649 *	ST-30541		34TH STREET STATION - REINFORCEMENT DETAILS - MEZZANINE LEVEL BEAM DETAILS - SHEET 1	706 *	ST-51531		SITE K - SHAFT WATERPROOFING DETAILS SHEET 1
650 *	ST-30542		34TH STREET STATION - REINFORCEMENT DETAILS - MEZZANINE LEVEL BEAM DETAILS - SHEET 2	707 *	ST-51532		SITE K - SHAFT WATERPROOFING DETAILS SHEET 2
651 *	ST-30543		34TH STREET STATION - REINFORCEMENT DETAILS - MEZZANINE LEVEL BEAM DETAILS - SHEET 3				
652 *	ST-30544		34TH STREET STATION - REINFORCEMENT DETAILS - MEZZANINE LEVEL BEAM SCHEDULE	708	ST-50021		SITE P SITE P EXISTING CONDITION AND DEMOLITION GEERAL PLAN
653 *	ST-30545		34TH STREET STATION - REINFORCEMENT DETAILS - COLUMN AND FOOTING DETAILS	709	ST-50022		SITE P EXISTING CONDITION AND DEMOLITION STREET LEVEL PLAN
				710	ST-50023		SITE P EXISTING CONDITION AND DEMOLITION FOUNDATION LEVEL PLAN
654 *	ST-30551		34TH STREET STATION - TYPICAL REINFORCEMENT DETAILS - SHEET 1				

NOTE: (*) NOT INCLUDED IN THIS SUBMITTAL

	New York City Transit Capital Construction	HYDC Hudson Yards Development Corporation	DESIGNED BY: J. JIMENEZ	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN INDEX OF DRAWINGS SHEET 6	DATE: JAN 19, 2007
	IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.	DRAWN BY: J. JIMENEZ	CHECKED BY: N. KOLLIOS		DRAWING No. GP-10006
PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC. ONE PENN PLAZA, NEW YORK, NY 10119	REV	DESCRIPTION	DATE	APPROVED	REVISION:

SHEET NO.	DWG NO.	REV NO.	DESCRIPTION	SHEET No.	DWG No.	REVISION No.	DESCRIPTION
711	ST-50024		SITE P EXISTING CONDITION AND DEMOLITION SECTION A	772	ST-60142		TENTH AVENUE STATION SHELL - MEZZANINE LEVEL REINFORCEMENT PLAN - SHEET 2
712	ST-50025		SITE P EXISTING CONDITION AND DEMOLITION SECTION B	773	ST-60143		TENTH AVENUE STATION SHELL - MEZZANINE LEVEL REINFORCEMENT PLAN - SHEET 3
713	ST-50026		SITE P EXISTING CONDITION AND DEMOLITION DETAILS - SHEET 1	774	ST-60144		TENTH AVENUE STATION SHELL - MEZZANINE LEVEL REINFORCEMENT PLAN - SHEET 4
714	ST-50027		SITE P EXISTING CONDITION AND DEMOLITION DETAILS - SHEET 2	775	ST-60151		TENTH AVENUE STATION SHELL - MECHANICAL LEVEL REINFORCEMENT PLAN - SHEET 1
715	ST-50028		SITE P EXISTING CONDITION AND DEMOLITION DETAILS - SHEET 3	776	ST-60152		TENTH AVENUE STATION SHELL - MECHANICAL LEVEL REINFORCEMENT PLAN - SHEET 2
VOLUME 3				777	ST-60153		TENTH AVENUE STATION SHELL - MECHANICAL LEVEL REINFORCEMENT PLAN - SHEET 3
TENTH AVENUE STATION				778	ST-60154		TENTH AVENUE STATION SHELL - MECHANICAL LEVEL REINFORCEMENT PLAN - SHEET 4
716	ST-60091		TENTH AVENUE STATION SHELL - INVERT LEVEL PLAN - SHEET 1	779	ST-60501		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 1
717	ST-60092		TENTH AVENUE STATION SHELL - INVERT LEVEL PLAN - SHEET 2	780	ST-60502		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 2
718	ST-60093		TENTH AVENUE STATION SHELL - INVERT LEVEL PLAN - SHEET 3	781 *	ST-60503		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 3
719	ST-60094		TENTH AVENUE STATION SHELL - INVERT LEVEL PLAN - SHEET 4	782	ST-60504		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 4
720	ST-60095		TENTH AVENUE STATION SHELL - INVERT LEVEL PLAN - SHEET 5	783	ST-60505		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 5
721	ST-60101		TENTH AVENUE STATION SHELL - PLATFORM LEVEL PLAN - SHEET 1	784	ST-60506		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 6
722	ST-60102		TENTH AVENUE STATION SHELL - PLATFORM LEVEL PLAN - SHEET 2	785	ST-60507		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 7
723	ST-60103		TENTH AVENUE STATION SHELL - PLATFORM LEVEL PLAN - SHEET 3	786	ST-60508		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 8
724	ST-60104		TENTH AVENUE STATION SHELL - PLATFORM LEVEL PLAN - SHEET 4	787	ST-60509		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 9
725	ST-60105		TENTH AVENUE STATION SHELL - PLATFORM LEVEL PLAN - SHEET 5	788 *	ST-60510		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 10
726	ST-60111		TENTH AVENUE STATION SHELL - MEZZANINE LEVEL PLAN - SHEET 1	789 *	ST-60511		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 11
727	ST-60112		TENTH AVENUE STATION SHELL - MEZZANINE LEVEL PLAN - SHEET 2	790	ST-60512		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 12
728	ST-60113		TENTH AVENUE STATION SHELL - MEZZANINE LEVEL PLAN - SHEET 3	791	ST-60513		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 13
729	ST-60114		TENTH AVENUE STATION SHELL - MEZZANINE LEVEL PLAN - SHEET 4	792	ST-60514		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 14
730	ST-60121		TENTH AVENUE STATION SHELL - MECHANICAL LEVEL PLAN - SHEET 1	793	ST-60515		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 15
731	ST-60122		TENTH AVENUE STATION SHELL - MECHANICAL LEVEL PLAN - SHEET 2	794	ST-60516		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 16
732	ST-60123		TENTH AVENUE STATION SHELL - MECHANICAL LEVEL PLAN - SHEET 3	795	ST-60517		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 17
733	ST-60124		TENTH AVENUE STATION SHELL - MECHANICAL LEVEL PLAN - SHEET 4	796	ST-60518		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 18
734	ST-60131		TENTH AVENUE STATION SHELL - ROOF LEVEL PLAN - SHEET 1	797	ST-60519		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 19
735	ST-60132		TENTH AVENUE STATION SHELL - ROOF LEVEL PLAN - SHEET 2	798	ST-60520		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - REINFORCEMENT DETAILS - SHEET 20
736	ST-60133		TENTH AVENUE STATION SHELL - ROOF LEVEL PLAN - SHEET 3	799	ST-60521		TENTH AVENUE STATION SHELL - REINFORCEMENT DETAILS - SHEET 1
737	ST-60134		TENTH AVENUE STATION SHELL - ROOF LEVEL PLAN - SHEET 4	800 *	ST-60522		TENTH AVENUE STATION SHELL - REINFORCEMENT DETAILS - SHEET 2
738	ST-60201		TENTH AVENUE STATION SHELL - LONGITUDINAL SECTION - SHEET 1	801 *	ST-60523		TENTH AVENUE STATION SHELL - REINFORCEMENT DETAILS - SHEET 3
739	ST-60202		TENTH AVENUE STATION SHELL - LONGITUDINAL SECTION - SHEET 2	802	ST-60524		TENTH AVENUE STATION SHELL - REINFORCEMENT DETAILS - SHEET 4
740	ST-60203		TENTH AVENUE STATION SHELL - LONGITUDINAL SECTION - SHEET 3	803	ST-60525		TENTH AVENUE STATION SHELL - REINFORCEMENT DETAILS - SHEET 5
741	ST-60204		TENTH AVENUE STATION SHELL - LONGITUDINAL SECTION - SHEET 4	804	ST-60526		TENTH AVENUE STATION SHELL - REINFORCEMENT DETAILS - SHEET 6
742	ST-60205		TENTH AVENUE STATION SHELL - LONGITUDINAL SECTION - SHEET 5	805 *	ST-60527		TENTH AVENUE STATION SHELL - REINFORCEMENT DETAILS - SHEET 7
743	ST-60301		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 1	806	ST-60528		TENTH AVENUE STATION SHELL - REINFORCEMENT DETAILS - SHEET 8
744	ST-60302		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 2	807 *	ST-60529		TENTH AVENUE STATION SHELL - REINFORCEMENT DETAILS - SHEET 9
745	ST-60303		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 3	808 *	ST-60530		TENTH AVENUE STATION SHELL - REINFORCEMENT DETAILS - SHEET 10
746	ST-60304		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 4	809	ST-60541		TENTH AVENUE STATION SHELL - BULKHEAD BEAMS - SCHEDULE & DETAILS - SHEET 1
747	ST-60305		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 5	810	ST-60542		TENTH AVENUE STATION SHELL - BULKHEAD BEAMS - SCHEDULE & DETAILS - SHEET 2
748	ST-60306		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 6	811	ST-60543		TENTH AVENUE STATION SHELL - MEZZANINE LEVEL BEAM SCHEDULE - SHEET 1
749	ST-60307		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 7	812	ST-60544		TENTH AVENUE STATION SHELL - MEZZANINE LEVEL BEAM SCHEDULE - SHEET 2
750	ST-60308		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 8	813	ST-60545		TENTH AVENUE STATION SHELL - MECHANICAL LEVEL BEAM SCHEDULE
751	ST-60309		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 9	814	ST-60551		TENTH AVENUE STATION SHELL - MISCELLANEOUS CONCRETE DETAILS - SHEET 1
752	ST-60310		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 10	815	ST-60552		TENTH AVENUE STATION SHELL - MISCELLANEOUS CONCRETE DETAILS - SHEET 2
753	ST-60312		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 11	816	ST-60553		TENTH AVENUE STATION SHELL - MISCELLANEOUS CONCRETE DETAILS - SHEET 3
754	ST-60313		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 12	817	ST-60554		TENTH AVENUE STATION SHELL - MISCELLANEOUS CONCRETE DETAILS - SHEET 4
755	ST-60314		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 13	818	ST-60555		TENTH AVENUE STATION SHELL - MISCELLANEOUS CONCRETE DETAILS - SHEET 5
756	ST-60315		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 14	819 *	ST-60556		TENTH AVENUE STATION SHELL - MISCELLANEOUS CONCRETE DETAILS - SHEET 6
757	ST-60316		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 15	820 *	ST-60557		TENTH AVENUE STATION SHELL - MISCELLANEOUS CONCRETE DETAILS - SHEET 7
758	ST-60317		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 16	821 *	ST-60558		TENTH AVENUE STATION SHELL - MISCELLANEOUS CONCRETE DETAILS - SHEET 8
759 *	ST-60318		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 17	822 *	ST-60561		TENTH AVENUE STATION SHELL - MISCELLANEOUS STEEL DETAILS - SHEET 1
760 *	ST-60319		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 18	823	ST-60562		TENTH AVENUE STATION SHELL - MISCELLANEOUS STEEL DETAILS - SHEET 2
761 *	ST-60320		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 19	824	ST-60563		TENTH AVENUE STATION SHELL - MISCELLANEOUS STEEL DETAILS - SHEET 3
762 *	ST-60321		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 20	825 *	ST-60564		TENTH AVENUE STATION SHELL - MISCELLANEOUS STEEL DETAILS - SHEET 4
763 *	ST-60322		TENTH AVENUE STATION SHELL - TRANSVERSE SECTION - SHEET 21	826	ST-60571		TENTH AVENUE STATION SHELL - ACCESS SHAFT DETAILS - SHEET 1
764	ST-60402		TENTH AVENUE STATION SHELL - PART PLANS AND DETAILS - SHEET 1	827	ST-60572		TENTH AVENUE STATION SHELL - ACCESS SHAFT DETAILS - SHEET 2
765	ST-60403		TENTH AVENUE STATION SHELL - PART PLANS AND DETAILS - SHEET 2	828	ST-60581		TENTH AVENUE STATION SHELL - TYPICAL WATERPROOFING DETAILS - SHEET 1
766	ST-60404		TENTH AVENUE STATION SHELL - PART PLANS AND DETAILS - SHEET 3	829	ST-60582		TENTH AVENUE STATION SHELL - TYPICAL WATERPROOFING DETAILS - SHEET 2
767	ST-60405		TENTH AVENUE STATION SHELL - PART PLANS AND DETAILS - SHEET 4	830 *	ST-60583		TENTH AVENUE STATION SHELL - TYPICAL WATERPROOFING DETAILS - SHEET 3
768	ST-60406		TENTH AVENUE STATION SHELL - PART PLANS AND DETAILS - SHEET 5	831 *	ST-60584		TENTH AVENUE STATION SHELL - TYPICAL WATERPROOFING DETAILS - SHEET 4
769	ST-60451		TENTH AVENUE STATION SHELL - TEMPORARY CMU BARRIER WALL - SHEET 1	832	ST-60585		TENTH AVENUE STATION SHELL - TYPICAL CONSTRUCTION JOINT DETAILS
770	ST-60452		TENTH AVENUE STATION SHELL - TEMPORARY CMU BARRIER WALL - SHEET 2	833	ST-60586		TENTH AVENUE STATION SHELL - TYPICAL INTERFACE DETAILS WITH RUNNING TUNNELS
771	ST-60141		TENTH AVENUE STATION SHELL - MEZZANINE LEVEL REINFORCEMENT PLAN - SHEET 1	834	ST-60591		TENTH AVENUE STATION SHELL - TYPICAL CONCRETE REINFORCING DETAILS - SHEET 1
				835	ST-60592		TENTH AVENUE STATION SHELL - TYPICAL CONCRETE REINFORCING DETAILS - SHEET 2
				836	ST-60593		TENTH AVENUE STATION SHELL - TYPICAL CONCRETE REINFORCING DETAILS - SHEET 3
				837	ST-60594		TENTH AVENUE STATION SHELL - TYPICAL MASONRY WALL DETAILS

NOTE: (*) NOT INCLUDED IN THIS SUBMITTAL

	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN INDEX OF DRAWINGS SHEET 7				DATE: JAN 19, 2007
					DRAWING No. GP-10007
DESIGNED BY: J. JIMENEZ DRAWN BY: J. JIMENEZ CHECKED BY: N. KOLLIOS APPROVED BY: H. L. BERLINER				REVISION:	




SHEET NO.	DWG NO.	REV NO.	DESCRIPTION	SHEET No.	DWG No.	REVISION No.	DESCRIPTION
			STRUCTURAL (Cont'd)				STRUCTURAL (Cont'd)
838			EXISTING CONDITIONS - GENERAL PLAN	892	ST-92101		EIGHTH AVENUE SUBWAY STRUCTURE UNDERPINNING EXISTING CONDITIONS. GENERAL NOTES AND STEEL SCHEDULE.
839			EXISTING CONDITIONS - SECTIONS	893	ST-92102		EXISTING CONDITIONS. PLAN AT LOWER TRACK LEVEL
840			NEW WORKS - PLAN	894	ST-92103		EXISTING CONDITIONS. PLAN AT UPPER TRACK LEVEL
841			NEW WORKS - SECTIONS - SHEET 1	895	ST-92201		EXISTING CONDITIONS. LONGITUDINAL SECTION P AT EJECTOR.
842			NEW WORKS - SECTIONS - SHEET 2	896	ST-92202		EXISTING CONDITIONS. LONGITUDINAL SECTION P BEYOND EJECTOR.
843			NEW WORKS - DETAILS - SHEET 1	897	ST-92203		EXISTING CONDITIONS. PART SECTION P AT EJECTOR - SHEET 1
844			NEW WORKS - DETAILS - SHEET 2	898	ST-92204		EXISTING CONDITIONS. PART SECTION P BEYOND EJECTOR - SHEET 2
			FROM PABT TO TIMES SQUARE STATION - TUNNEL UNDER PORT AUTHORITY BUS TERMINAL	899	ST-92205		EXISTING CONDITIONS. PART SECTION P - SHEET 3
845	ST-91100		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - EXISTING CONDITIONS - PLAN AT LOWER LEVEL	900	ST-92301		EXISTING CONDITIONS. TRANSVERSE SECTION T
846	ST-91101		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - EXISTING CONDITIONS - PLAN AT LOWER LEVEL	901	ST-92302		EXISTING CONDITIONS. TRANSVERSE SECTION S
847	ST-91111		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - DECKING GENERAL PLAN AND NOTES	902	ST-92303		EXISTING CONDITIONS. TRANSVERSE SECTION R'
848	ST-91112		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - DECKING PART PLAN - SHEET 1	903	ST-92304		EXISTING CONDITIONS. TRANSVERSE SECTION Q
849	ST-91113		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - DECKING PART PLAN - SHEET 2	904	ST-92305		EXISTING CONDITIONS. TRANSVERSE SECTION 'U'
850	ST-91311		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - DECKING SECTIONS AND DETAILS, SHEET 1	905	ST-92306		EXISTING CONDITIONS. TRANSVERSE SECTION 'V'
851	ST-91312		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - DECKING SECTIONS AND DETAILS, SHEET 2	906	ST-92307		EXISTING CONDITIONS. SECTION 'G'
852	ST-91313		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - DECKING SECTIONS AND DETAILS, SHEET 3				DEMOLITION WORK
853	ST-91314		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - TYPICAL DETAILS OF PRECAST CONCRETE DECKING PANEL	907	ST-92141		DEMOLITION WORK. PLAN
854	ST-91315		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - DECKING BEARING DETAILS	908	ST-92241		DEMOLITION WORK. LONGITUDINAL PART SECTION P AT EJECTOR.
855	ST-91316		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - SUGGESTED SEQUENCE OF CONSTRUCTION	909	ST-92242		DEMOLITION WORK. LONGITUDINAL PART SECTION P BEYOND EJECTOR.
856	ST-91131		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - TUNNEL GENERAL PLAN AND NOTES	910	ST-92341		DEMOLITION WORK. TRANSVERSE SECTION T
857	ST-91132		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - PLAN AT INVERT LEVEL, SHEET 1	911	ST-92342		DEMOLITION WORK. TRANSVERSE SECTION S
858	ST-91133		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - PLAN AT INVERT LEVEL, SHEET 2	912	ST-92343		DEMOLITION WORK. TRANSVERSE SECTION R
859 *	ST-91231		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - LONGITUDINAL SECTION, SHEET 1	913	ST-92344		DEMOLITION WORK. TRANSVERSE SECTION Q
860	ST-91232		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - LONGITUDINAL SECTION, SHEET 2	914	ST-92345		DEMOLITION WORK. TRANSVERSE SECTION U
861	ST-91331		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - TRANSVERSE SECTIONS, SHEET 1	915	ST-92346		DEMOLITION WORK. TRANSVERSE SECTION V
862 *	ST-91332		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - TRANSVERSE SECTIONS, SHEET 2				NEW WORK
863	ST-91341		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - REINFORCING STEEL DETAILS, SHEET 1	916	ST-92151		NEW WORK. PLAN AT DUCT BENCH LEVEL
864 *	ST-91342		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - REINFORCING STEEL DETAILS, SHEET 2	917	ST-92152		NEW WORK, PLAN AT ROOF LEVEL
865	ST-91343		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - REINFORCING STEEL DETAILS, SHEET 3	918	ST-92251		NEW WORK, FULL LONGITUDINAL SECTION 'P'
866	ST-91344		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - REINFORCING STEEL DETAILS, SHEET 4	919	ST-92252		NEW WORK, PART LONGITUDINAL SECTION P. SHEET 1
867	ST-91345		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - REINFORCING STEEL DETAILS, SHEET 5	920	ST-92253		NEW WORK, PART LONGITUDINAL SECTION P. SHEET 2
868	ST-91531		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - MISCELLANEOUS SECTIONS & DETAILS	921	ST-92351		NEW WORK, TRANSVERSE SECTION T
869 *	ST-91535		TUNNEL UNDER PORT AUTHORITY BUS TERMINAL - WATERPROOFING DETAILS	922	ST-92352		NEW WORK, TRANSVERSE SECTION S
			FROM PABT TO TIMES SQUARE STATION - TUNNELS UNDER INTERFACE OF PORT AUTHORITY BUS TERMINAL AND NYCT SUBWAY STRUCTURE	923	ST-92353		NEW WORK, TRANSVERSE SECTION R
870 *	ST-91141		EXISTING CONDITIONS. PLAN AT MEZZANINE ROOF LEVEL	924	ST-92354		NEW WORK, TRANSVERSE SECTION Q
871	ST-91142		EXISTING CONDITIONS. PLAN AT ELEVATION 125.0 AND 110.0	925	ST-92355		NEW WORK, TRANSVERSE SECTION U
872	ST-91143		EXISTING CONDITIONS. PLAN AT ELEVATION 95.0	926	ST-92356		NEW WORK, TRANSVERSE SECTION V
873	ST-91241		EXISTING CONDITIONS. LONGITUDINAL SECTIONS.	927 *	ST-92551		NEW WORK. STRUCTURAL STEEL DETAILS. SHEET 1
874 *	ST-91242		EXISTING CONDITIONS. TRANSVERSE SECTION.	928 *	ST-92552		NEW WORK. STRUCTURAL STEEL DETAILS. SHEET 2
			DEMOLITION WORK	929 *	ST-92556		NEW WORK, REINFORCING STEEL DETAILS. SHEET 1
875	ST-91161		DEMOLITION WORK. PLAN AT ELEVATION 110.0 AND 95.0	930 *	ST-92557		NEW WORK, REINFORCING STEEL DETAILS. SHEET 2
876	ST-91261		DEMOLITION WORK. LONGITUDINAL PART SECTION P	931 *	ST-92561		NEW WORK. MISCELLANEOUS SECTIONS AND DETAILS. SHEET 1
877	ST-91361		DEMOLITION WORK. TRANSVERSE SECTION C	932 *	ST-92562		NEW WORK. MISCELLANEOUS SECTIONS AND DETAILS. SHEET 2
			NEW WORK	933	ST-93111		EXISTING CONDITIONS, PLAN AT DUCT BENCH LEVEL SHEET 1
878	ST-91171		NEW WORK. PLAN AT DUCT BENCH LEVEL	934	ST-93112		EXISTING CONDITIONS, PLAN AT DUCT BENCH LEVEL SHEET 2
879	ST-91172		NEW WORK, PLAN AT ROOF LEVEL	935	ST-93201		EXISTING CONDITIONS, LONGITUDINAL SECTION "P" SHEET 1
880	ST-91271		NEW WORK, LONGITUDINAL SECTION A	936	ST-93202		EXISTING CONDITIONS, LONGITUDINAL SECTION "P" SHEET 2
881 *	ST-91272		NEW WORK, LONGITUDINAL SECTION B	937	ST-93211		EXISTING CONDITIONS, LONGITUDINAL SECTION "U" SHEET 1
882 *	ST-92371		NEW WORK. TRANSVERSE SECTION C	938	ST-93212		EXISTING CONDITIONS, LONGITUDINAL SECTION "U" SHEET 2
883 *	ST-91551		NEW WORK. MISCELLANEOUS SECTIONS AND DETAILS. SHEET 1	939	ST-93221		EXISTING CONDITIONS, LONGITUDINAL SECTION "W" SHEET 1
			EIGHTH AVENUE SUBWAY LOWER LEVEL RETROFIT	940 *	ST-93222		EXISTING CONDITIONS, LONGITUDINAL SECTION "W" SHEET 2
884			EXISTING CONDITIONS - GENERAL PLAN	941	ST-93301		EXISTING CONDITIONS, TRANSVERSE SECTION SHEET 1
885			EXISTING CONDITIONS - SECTIONS	942	ST-93302		EXISTING CONDITIONS, TRANSVERSE SECTION SHEET 2
886			NEW WORKS - PLAN	943 *	ST-93303		EXISTING CONDITIONS, TRANSVERSE SECTION SHEET 3
887			NEW WORKS - SECTIONS - SHEET 1	944	ST-93351		NEW WORKS PLAN AT DUCT BENCH LEVEL SHEET 1
888			NEW WORKS - SECTIONS - SHEET 2	945	ST-93352		NEW WORKS PLAN AT DUCT BENCH LEVEL SHEET 2
889			NEW WORKS - DETAILS - SHEET 1	946 *	ST-93361		NEW WORKS LONGITUDINAL SECTION "P" SHEET 1
890			NEW WORKS - DETAILS - SHEET 2	947 *	ST-93362		NEW WORKS LONGITUDINAL SECTION "P" SHEET 2
891			NEW WORKS - DETAILS - SHEET 3				

NOTE: (*) NOT INCLUDED IN THIS SUBMITTAL

	New York City Transit Capital Construction Hudson Yards Development Corporation	DESIGNED BY: J. JIMENEZ	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN INDEX OF DRAWINGS SHEET 8	DATE: JAN 19, 2007
	IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.	DRAWN BY: J. JIMENEZ		DRAWING No. GP-10008
PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC. ONE PENN PLAZA, NEW YORK, NY 10119	REV DESCRIPTION DATE APPROVED	CHECKED BY: N. KOLLIOS	REVISION:	
		APPROVED BY: H. L. BERLINER		

SHEET NO.	DWG NO.	REV NO.	DESCRIPTION	SHEET No.	DWG No.	REVISION No.	DESCRIPTION
			<u>STRUCTURAL (Cont'd)</u>				
948	ST-93371		NEW WORKS LONGITUDINAL SECTION "U" SHEET 1				
949	ST-93372		NEW WORKS LONGITUDINAL SECTION "U" SHEET 2				
950 *	ST-93377		NEW WORKS LONGITUDINAL SECTION "W" SHEET 1				
951 *	ST-93378		NEW WORKS LONGITUDINAL SECTION "W" SHEET 2				
952	ST-93382		NEW WORKS TRANSVERSE SECTION - SHEET 1				
953	ST-93383		NEW WORKS TRANSVERSE SECTION - SHEET 2				
954 *	ST-93384		NEW WORKS TRANSVERSE SECTION - SHEET 3				
955	ST-93392		NEW WORK, REINFORCING STEEL DETAILS SHEET 1				
956	ST-93393		NEW WORK, REINFORCING STEEL DETAILS SHEET 2				
957 *	ST-93401		NEW WORK, REINFORCING STEEL DETAILS SHEET 3				
958 *	ST-93402		NEW WORK, REINFORCING STEEL DETAILS SHEET 4				
959 *	ST-93403		NEW WORK, REINFORCING STEEL DETAILS SHEET 5				
960	ST-93407		NEW WORK, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 1				
961	ST-93408		NEW WORK, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 2				
962 *	ST-93411		NEW WORK, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 3				
963 *	ST-93412		NEW WORK, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 4				
964 *	ST-93413		NEW WORK, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 5				
965 *	ST-93151		PROTECTION OF EIGHTH AVENUE FAN CHAMBER - PLANS				
966 *	ST-93351		PROTECTION OF EIGHTH AVENUE FAN CHAMBER - SECTIONS				
			<u>SUPPLEMENTAL DRAWINGD (FOR INFORMATION ONLY)</u>				
			<u>ELECTRICAL</u>				
1 *	EP-10001		ELECTRICAL LEGEND, NOTES AND ABBREVIATIONS				
2 *	EP-20110		SITE A - CONSTRUCTION POWER SUBSTATION - SITE PLAN				
3 *	EP-20111		SITE A - CONSTRUCTION POWER SUBSTATION - FIRST LEVEL - FLOOR PLAN				
4 *	EP-20112		SITE A - CONSTRUCTION POWER SUBSTATION - SECOND LEVEL - FLOOR PLAN				
5 *	EP-20113		SITE A - CONSTRUCTION POWER SUBSTATION - SECTION				
6 *	EP-20601		SITE A - CONSTRUCTION POWER SUBSTATION - ONE LINE DIAGRAM - HIGH VOLTAGE SUPPLY SYSTEM				

NOTE: (*) NOT INCLUDED IN THIS SUBMITTAL

 New York City Transit Capital Construction	 Hudson Yards Development Corporation	DESIGNED BY: J. JIMENEZ	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN INDEX OF DRAWINGS SHEET 9	DATE: JAN 19, 2007
		DRAWN BY: J. JIMENEZ		DRAWING No. GP-10009
 PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC. ONE PENN PLAZA, NEW YORK, NY 10119		CHECKED BY: N. KOLLIOS		REVISION:
IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.		APPROVED BY: H. L. BERLINER		
REV	DESCRIPTION	DATE	APPROVED	

GENERAL

- ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THESE DRAWING NOTES AND THE LEGENDS, SYMBOLS AND ABBREVIATIONS.
- PLAN DIMENSIONS ARE MEASURED IN A TRUE HORIZONTAL PLANE, UNLESS NOTED OTHERWISE. VERTICAL DIMENSIONS ARE MEASURED IN A TRUE VERTICAL PLANE, UNLESS NOTED OTHERWISE.
- THE TERMINAL STATION, LOCATED NEAR 34TH STREET AND ELEVENTH AVENUE, IS REFERRED TO AS "34TH STREET STATION". THE INTERMEDIATE STATION, LOCATED NEAR 41ST STREET AND TENTH AVENUE, IS REFERRED TO AS THE "TENTH AVENUE STATION".
- REFER TO SPECIFICATIONS, GEOTECHNICAL DATA REPORT AND GEOTECHNICAL BASELINE REPORT FOR ADDITIONAL INFORMATION, REQUIREMENTS, RESTRICTIONS AND DIRECTIONS REGARDING THE DESIGN AND CONSTRUCTION OF THE PROJECT.
- CONSTRUCTION ACTIVITIES SHALL BE CONFINED WITHIN THE RIGHT-OF-WAY PROVIDED AND AREAS DESIGNATED FOR CONSTRUCTION STAGING AND LAYDOWN. NOTIFY THE ENGINEER OF THE INTENT TO ACQUIRE ADDITIONAL RIGHT-OF-WAY AND EASEMENTS.
- NO EQUIPMENT, MATERIAL OR DEBRIS SHALL BE PLACED ON OR BE ALLOWED TO FALL UPON PRIVATE PROPERTY IN THE VICINITY OF THE WORK WITHOUT PRIOR WRITTEN PERMISSION TO PROCEED FROM THE ENGINEER AND THE OWNER OF THE ADJACENT PROPERTY. SUCH PROPERTY SHALL BE RESTORED TO ORIGINAL CONDITION AS SOON AS POSSIBLE.
- MAINTAIN DRIVEWAY, BUSINESS, AND RESIDENTIAL ENTRY ACCESS AT ALL TIMES THROUGHOUT THE CONSTRUCTION ZONE. PRIOR TO BEGINNING CONSTRUCTION NEAR A DRIVEWAY OR BUSINESS ENTRY, THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS OF THE PROPOSED METHOD OF MAINTAINING ACCESS AND THE APPROXIMATE DURATION OF CONSTRUCTION.
- MAINTAIN THE INTEGRITY OF ALL PROPERTIES AND STRUCTURES ADJACENT TO AND IN THE VICINITY OF THE PROPOSED WORK.
- THE CONTRACTOR SHALL PERFORM PRE AND POST CONSTRUCTION GENERAL CONDITION SURVEYS IN ACCORDANCE WITH THE SPECIFICATIONS.
- THE CONTRACTOR SHALL FOLLOW ALL FEDERAL, STATE, AND LOCAL ORDINANCES APPLICABLE TO THE REMOVAL, DISPOSAL AND TRANSPORT OF ALL EXCAVATED MATERIAL.
- ALL DIMENSIONS ON DRAWINGS ARE IN UNITS OF FEET OR FEET AND INCHES UNLESS OTHERWISE NOTED.
- TOP OF ROCK ELEVATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. ACTUAL TOP OF ROCK ELEVATIONS WILL VARY. FOR BASELINE CONDITIONS, SEE GEOTECHNICAL BASELINE REPORT (GBR).
- SCALES NOTED ON THE DRAWINGS ARE FOR GENERAL INFORMATION ONLY. NO DIMENSIONAL INFORMATION SHALL BE OBTAINED BY SCALING FROM THESE DRAWINGS.

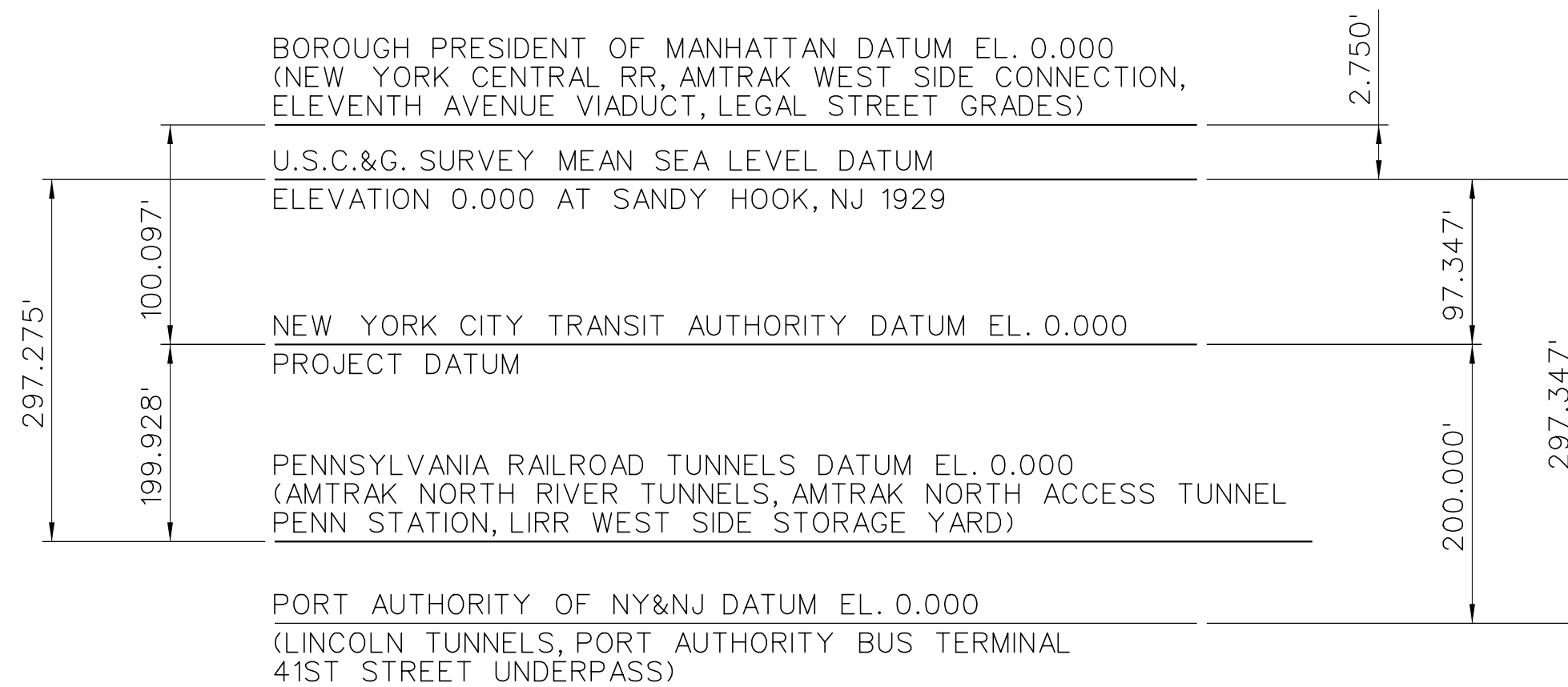
SURVEY / DATUM

- ALL ELEVATIONS SHOWN REFER TO THE NYCT DATUM WHICH IS 97.347 FEET BELOW USGS MEAN SEA LEVEL AT SANDY HOOK, NEW JERSEY (NGVD 1929), AND 100.097 FEET BELOW BOROUGH PRESIDENT OF MANHATTAN DATUM. ELEVATIONS ANNOTATED WITH "BM" ARE BASED ON BOROUGH PRESIDENT OF MANHATTAN DATUM. SEE DETAIL, THIS SHEET.
- HORIZONTAL CONTROL FOR THE PROJECT IS THE NEW YORK STATE PLANE COORDINATE SYSTEM (NAD 83-96), LONG ISLAND ZONE (3104), US SURVEY FOOT. THE EXISTING CONDITION BASE MAPPING WAS PROVIDED BY MEDINA CONSULTANTS, P.C. USING AERIAL PHOTOGRAPHY TAKEN IN FEBRUARY 2003 AND FIELD EDITED IN MAY - JUNE 2003.
- THE EXISTING CONDITION BASE MAPPING BENEATH THE ELEVENTH AVENUE VIADUCT WAS COMPILED FROM FIELD SURVEY.
- THE APPROXIMATE ROCK PROFILES SHOWN ON THE DRAWINGS WERE GENERATED BY INTERPOLATING BETWEEN PROJECT BORE HOLE INFORMATION AND RELEVANT RECORD BORING INFORMATION. THE INFORMATION SHOWN INCLUDES INTERPOLATION INFORMATION AND IS NOT TO BE CONSTRUED AS AN EXACT DEPICTION OF THE BEDROCK SURFACE.

SAFETY

- SAFETY DURING CONSTRUCTION AND DEMOLITION SHALL COMPLY WITH CHAPTERS 33 AND F14 OF THE NEW YORK STATE CODE.

RELATIONSHIP BETWEEN PROJECT AND OTHER AREA DATUMS



DESIGN CRITERIA

- DESIGN CODES AND STANDARDS:

DESIGN SHALL CONFORM TO THE CURRENT EDITION OF APPLICABLE CODES INCLUDING THOSE LISTED BELOW. WHERE CODES CONFLICT, THE MORE STRINGENT REQUIREMENTS APPLY:

ACI	AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY, ACI318
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION - MANUAL OF STEEL CONSTRUCTION, NINTH EDITION, ALLOWABLE STRESS DESIGN
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AREMA	AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION, MANUAL FOR RAILWAY ENGINEERING
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATION AIR CONDITIONING ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY, AWS D1.1, STRUCTURAL WELDING CODE - STEEL
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 130-2003)
NYCBC	BUILDING CODE OF THE CITY OF NEW YORK
NYCDEP	NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
NYCDOT	NEW YORK CITY DEPARTMENT OF TRANSPORTATION
NYCT	NEW YORK CITY TRANSIT DESIGN GUIDELINES
NYSBC	BUILDING CODE OF THE STATE OF NEW YORK, (CODES, RULES AND REGULATIONS OF THE STATE OF NEW YORK, TITLE 19)
NYSFC	FIRE CODE AND PROPERTY MAINTENANCE CODE OF NEW YORK STATE
NYSDOT	AASHTO SPECIFICATIONS, WITH APPLICABLE MODIFICATIONS ISSUED BY THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION
NYSFC/ MC/FGC	NEW YORK STATE PLUMBING CODE, MECHANICAL CODE AND FUEL GAS CODE
OSHA	OCCUPATION SAFETY AND HEALTH ASSOCIATION

- NEW YORK CITY TRANSIT'S MW-1 TRACK STANDARDS MANUAL 2002 IS THE BASIS FOR THE TRACK ALIGNMENT DESIGN. NYCT MEMORANDUM OF UNDERSTANDING - CAR AND LINE EQUIPMENT CLEARANCES, DATED MARCH 7, 2001, REVISED JUNE 26, 2006, IS THE BASIS FOR ALL STRUCTURAL CLEARANCES AND THE ESTABLISHMENT OF PROPOSED TUNNEL DIAMETERS AND SECTIONS.

ALIGNMENT

- TRACK ALIGNMENT DRAWINGS ARE PROVIDED TO ESTABLISH THE BASELINE FOR THE CONSTRUCTION OF TUNNELS AND STATION STRUCTURES. ACTUAL CONSTRUCTION OF THE TRACKWORK FOR THE SUBWAY IS NOT PART OF THIS CONTRACT.
- ALL STATIONS ON THE DRAWINGS ARE IN FEET AND REFER TO THE PROJECT STATIONING SYSTEM. THE PROJECT STATIONING IS SET AND MEASURED ALONG THE TRACK CENTERLINES.
- SEE DWG. TK-10101 FOR NOTE RELATING TO THE PROJECT STATIONING.
- GRADIENTS ARE IN PERCENT, UNLESS NOTED OTHERWISE.
- STATIONS ARE REFERENCED TO TRACK CC2 AS THE BASELINE, TYPICAL, UNLESS OTHERWISE NOTED.
- THE ALIGNMENT GEOMETRY FOLLOWS THE CENTERLINE OF TRACK. THE TUNNEL CENTERLINE VARIES FROM THE TRACK CENTERLINE IN CERTAIN AREAS.

RIGHT OF WAY

- ALL PROPOSED FEE ACQUISITIONS, PERMANENT EASEMENTS AND TEMPORARY EASEMENTS WILL BE OBTAINED BY THE CITY OF NY OR THE AUTHORITY IN ACCORDANCE WITH THE SCHEDULE PROVIDED IN THE SPECIAL CONDITIONS. ACQUISITION DRAWINGS WILL BE AVAILABLE TO THE CONTRACTOR.

COORDINATION

- OTHER CONSTRUCTION CONTRACTS ASSOCIATED WITH THE NO. 7 SUBWAY LINE EXTENSION WILL OCCUR SIMULTANEOUSLY AND REQUIRE COORDINATION AT LAYDOWN, SHAFT AND STATION AREAS.
- OTHER CONSTRUCTION PROJECTS MAY BE UNDERWAY SIMULTANEOUSLY, EITHER INSIDE OR IN THE VICINITY OF THE PROJECT AREA, AND REQUIRE COORDINATION WITH UTILITY COMPANIES, GOVERNMENT AGENCIES AND PROPERTY OWNERS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREPARE AND SUBMIT ALL REQUIRED PERMIT APPLICATIONS AND GAIN THE NECESSARY AGENCY APPROVALS FOR PROGRESSING THE WORK.

MTA NYC TRANSIT

- THE NYC TRANSIT (NYCT) RESERVES THE RIGHT TO PLACE INSPECTORS, FLAGMEN OR OTHER PERSONNEL IN THE SUBWAY STRUCTURES DURING CONSTRUCTION OF THE PROJECT LINKED BY A TELEPHONE SYSTEM, IF DEEMED NECESSARY, TO OBSERVE THE EFFECTS OF THE CONSTRUCTION ON THE TRANSIT FACILITIES. IT IS EXPECTED THAT SUCH PERSONNEL WILL BE NECESSARY WHEN THE CONSTRUCTION COMES WITHIN TWENTY-FIVE FEET OF THE SUBWAY STRUCTURE. HOWEVER, NYCT FURTHER RESERVES THE RIGHT TO PLACE SUCH PERSONNEL WHENEVER, IN ITS OPINION, THE PROJECT CONDITIONS WARRANT SUCH PLACEMENT, REGARDLESS OF DISTANCE.
- BLASTING WILL BE PERMITTED ONLY WITH LIGHT CHARGES SUBJECT TO THE APPROVAL OF THE ENGINEER AND IN ACCORDANCE WITH THE REGULATIONS OF THE FDNY.
- IF ANY PORTION OF THE SUBWAY STRUCTURE OR FINISH IS DAMAGED, IT SHALL BE REPAIRED OR REPLACED WITH THE SAME MATERIALS IN PLACE, SUBJECT TO THE APPROVAL OF THE ENGINEER.
- TEMPORARY SHORING MAY BE PLACED IN DIRECT CONTACT WITH NYCT STRUCTURES ONLY IF THE NYCT STRUCTURE IS SHOWN TO BE ABLE TO SUPPORT ALL ANTICIPATED LOADS. AT THE COMPLETION OF THE PROJECT, THESE TEMPORARY SHORING AND BRACING SYSTEMS ARE TO BE REMOVED OR CUT-OFF AS APPROVED BY THE ENGINEER.
- IF SHIELDS ARE TO BE INSTALLED TO PROTECT NYCT FACILITIES AND/OR THE PUBLIC, PLANS SHOWING THE LOCATION, TYPE AND METHOD OF ATTACHMENT TO THE TRANSIT STRUCTURE MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- ALL LUMBER AND PLYWOOD USED FOR PROTECTION OF SUBWAY FACILITIES MUST BE FIRE RETARDANT.
- BURNING OF, WELDING TO OR DRILLING THROUGH EXISTING STEEL STRUCTURES WILL NOT BE PERMITTED EXCEPT AS SHOWN ON DRAWINGS APPROVED BY THE ENGINEER.
- HORIZONTAL AND VERTICAL CONTROL SURVEY DATA OF THE EXISTING NYCT STRUCTURE IS TO BE TAKEN BY A LICENSED LAND SURVEYOR TO MONITOR ANY MOVEMENTS THAT OCCUR DURING CONSTRUCTION AND TO SHOW THAT THE INDUCED MOVEMENTS ARE WITHIN ALLOWABLES PROVIDED AND APPROVED BY THE ENGINEER. IF ANY MOVEMENTS EXCEED ALLOWABLES, REMEDIATION AS APPROVED BY THE ENGINEER SHALL BE PERFORMED.

							DESIGNED BY: F. TOPCUBASI	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL NOTES SHEET 1	DATE: JAN 19, 2007
							DRAWN BY: J. JIMENEZ		DRAWING No. GP-10021
IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.							CHECKED BY: P. WAHL	REVISION:	
REV	DESCRIPTION	DATE	APPROVED	APPROVED BY: H. L. BERLINER					

MTA NYC TRANSIT

- DUCT LINES MUST BE MAINTAINED AND PROTECTED DURING CONSTRUCTION. ANY INTERFERENCE WITH DUCT LINES SHOULD BE REPORTED TO THE ENGINEER. WHEN A DUCT LINE CONTAINING CABLES IS TO BE REMOVED, OR WHEN MASONRY ADJACENT THERETO IS TO BE REMOVED, PENETRATED, OR DRILLED, THE WORK SHALL BE DONE WITH HAND LABOR ENTIRELY, USING HAMMER AND CHISEL. JACKHAMMERS, BULL POINTS OR OTHER POWER EQUIPMENT SHALL NOT BE USED.
- BEFORE THE START OF ANY WORK, THE CONTRACTOR SHALL MAKE AN EXAMINATION, IN THE PRESENCE OF THE ENGINEER, OF THE INTERIOR AND EXTERIOR OF NYCT SUBWAY OR OTHER STRUCTURE ADJACENT TO THE PROPOSED WORK. THE PERSON OR PERSONS AUTHORIZED BY THE CONTRACTOR TO MAKE THESE EXAMINATIONS SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL TAKE ALL PHOTOGRAPHS AS MAY BE NECESSARY OR ORDERED TO INDICATE THE EXISTING CONDITION OF NYCT STRUCTURE. ONE COPY OF EACH PHOTOGRAPH, EIGHT INCHES BY TEN INCHES IN SIZE IS TO BE SUBMITTED TO THE ENGINEER BEFORE THE START OF CONSTRUCTION.

AMTRAK

- NOTIFY AMTRAK TWO WEEKS BEFORE STARTING TUNNEL WORK WITHIN 200 FEET OF ANY AMTRAK FACILITIES. THESE FACILITIES INCLUDE, BUT ARE NOT LIMITED TO: NORTH ACCESS TUNNEL (EMPIRE LINE), WEST SIDE CONNECTION (EMPIRE LINE), AND THE NORTH RIVER (HUDSON RIVER) TUNNELS.

NYCDOT

- COORDINATE AND OBTAIN NYCDOT APPROVAL FOR DESIGN OF STREET RESTORATIONS INCLUDING TEMPORARY AND PERMANENT PAVEMENT SECTIONS, SIDEWALKS, AND CURBS. PREPARE AND MODIFY BUILDERS PAVEMENT PLANS AS REQUIRED TO OBTAIN APPROVALS.
- OBTAIN OTHER AGENCY APPROVALS AND SUBMIT TO OFFICE OF CONSTRUCTION AND MITIGATION COORDINATION (OCMC) IN ORDER TO OBTAIN LANE CLOSURES AND OTHER MPT STIPULATIONS.
- DURING CONSTRUCTION, INCLUDING OVERHEAD WORK, ALL AFFECTED PEDESTRIAN AND VEHICULAR TRAFFIC CROSSINGS SHALL BE MAINTAINED AND PROTECTED UNLESS NOTED OTHERWISE.

PORT AUTHORITY

- NOTIFY PORT AUTHORITY (PANYNJ) TWO WEEKS BEFORE STARTING TUNNEL WORK WITHIN 200 FEET OF ANY PORT AUTHORITY FACILITY. THESE FACILITIES INCLUDE: THE THREE LINCOLN TUNNEL TUBES, LINCOLN TUNNEL VENTILATION FACILITIES AT W.39TH STREET AND ELEVENTH AVENUE AND W.41ST STREET AND NINTH AVENUE, CARDINAL STEPINAC PLACE (GALVIN AVENUE), DYER AVENUE, 41ST STREET UNDERPASS (GREYHOUND BUS UNDERPASS), AND THE PORT AUTHORITY BUS TERMINAL (PABT).
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL:
 - COORDINATE WITH THE PORT AUTHORITY LAW DEPARTMENT FOR RIGHT OF ENTRY TO PORT AUTHORITY PROPERTY. THESE PROPERTIES INCLUDE: LINCOLN TUNNELS, PABT, PANY&NJ VENTILATION FACILITIES AND THE PABT GREYHOUND BUS UNDERPASS.
 - SUBMIT FOR APPROVAL BY THE ENGINEER ALL MAINTENANCE AND PROTECTION OF TRAFFIC DRAWINGS AFFECTING TRAFFIC PATTERNS WITHIN THE VICINITY OF THE PORT AUTHORITY BUS TERMINAL AND PANY&NJ FACILITIES ALONG ELEVENTH AVENUE, W.41ST STREET AND DYER AVENUE.
 - A NY STATE LICENSED ENGINEER SHALL PERFORM A CONDITION SURVEY PRIOR TO ANY WORK WITHIN OR IN THE VICINITY OF PORT AUTHORITY FACILITIES, INCLUDING THE PORT AUTHORITY BUS TERMINAL, PABT GREYHOUND BUS UNDERPASS AND THE LINCOLN TUNNELS.

EXISTING INFRASTRUCTURE

- THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL DIMENSIONS, LOCATIONS AND ELEVATIONS OF EXISTING ROADS, STRUCTURES AND UTILITIES SHOWN ON THE DRAWINGS PRIOR TO PREPARATION OF SHOP DRAWINGS AND COMMENCEMENT OF WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT MAY EXIST BEFORE PERFORMING RELATED WORK.
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN GEOTECHNICAL INSTRUMENTATION AT THE SURFACE, WITHIN EXISTING RAILROAD, TRANSIT AND VEHICULAR STRUCTURES, WITHIN PANY&NJ FACILITIES AND WITHIN THE TUNNEL EXCAVATION. THE CONTRACTOR SHALL MONITOR THESE INSTRUMENTS AND REPORT THEIR FINDINGS ACCORDING TO THE APPROPRIATE SPECIFICATIONS.
- AMTRAK NORTH RIVER TUNNELS, NORTH ACCESS TUNNELS AND WEST SIDE CONNECTION INFORMATION SHOWN ON THE PLANS WERE DERIVED FROM AMTRAK RECORD PLAN SETS.
- PORT AUTHORITY LINCOLN TUNNELS AND PABT FACILITY INFORMATION SHOWN ON THE PLANS WAS DERIVED FROM PORT AUTHORITY RECORD PLANS.
- MTA-NYCT EIGHTH AVENUE AND NO. 7 FLUSHING LINE (QUEENSBORO) INFORMATION SHOWN ON THE PLANS WAS DERIVED FROM MTA-NYCT RECORD PLANS.
- WEST SIDE YARD INFORMATION INDICATED ON THE PLANS WERE DERIVED FROM MTA-LIRR RECORD PLANS.
- JACOB JAVITS CENTER INFORMATION SHOWN ON PLANS WERE DERIVED FROM NEW YORK EXHIBITION AND CONVENTION CENTER RECORD PLANS.

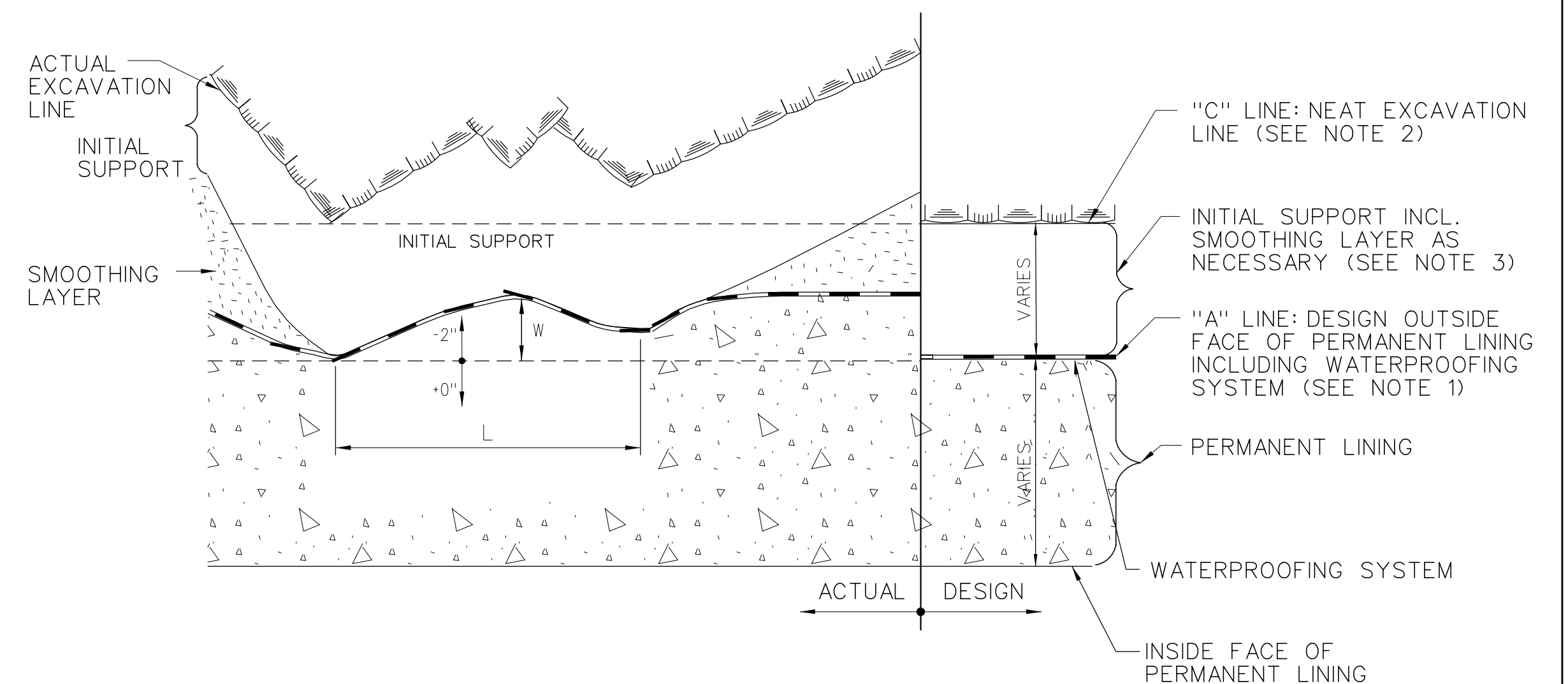
DEMOLITION OF EXISTING STRUCTURES

- SITE ACCESS FOR MTA AND EMERGENCY CREWS SHALL BE MAINTAINED THROUGHOUT DEMOLITION.
- THE CONTRACTOR SHALL OBTAIN PERMITS FOR PEDESTRIAN AND VEHICULAR TRAFFIC PATTERN ALTERATIONS PRIOR TO DEMOLITION, IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
- THE CONTRACTOR SHALL PROTECT, SUPPORT AND MAINTAIN EXISTING UTILITIES DURING DEMOLITION OF EACH STRUCTURE, AND AS NECESSARY, SHALL OBTAIN PERMITS FOR DISCONNECTIONS OF UTILITY SERVICE CONNECTIONS PRIOR TO DEMOLITION IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
- THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT DUST, NOISE AND VIBRATION SUPPRESSION METHODS DURING DEMOLITION AND DEBRIS REMOVAL IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
- HANDLING, STORAGE AND DISPOSAL OF DEBRIS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS.
- REMOVAL AND DISPOSAL OF HAZARDOUS MATERIALS FROM STRUCTURES SUBJECT TO DEMOLITION SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS.
- THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A RODENT ABATEMENT CONTROL PROGRAM IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A WASTE MANAGEMENT PLAN DURING CONSTRUCTION IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

TUNNELING

- THE CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF THE FIRE DEPARTMENT OF THE CITY OF NEW YORK (FDNY) FOR EXPLOSIVES HANDLING AND STORAGE. THE CONTRACTOR MAY SEEK VARIANCES TO FDNY REQUIREMENTS THROUGH THE ENGINEER.
- THE CONTRACTOR SHALL UTILIZE CONTROLLED BLASTING METHODS TO CONTROL OVERBREAK AND TO MINIMIZE THE GROUND-BORNE NOISE AND VIBRATION ASSOCIATED WITH BLASTING. SEE SPECIFICATIONS FOR SPECIFIC LIMITATIONS FOR BLASTING IN PROXIMITY TO SENSITIVE FACILITIES AND INFRASTRUCTURE.
- REQUIREMENTS FOR PROTECTION OF EXISTING STRUCTURES SHALL BE IN ACCORDANCE WITH SPECIFICATIONS.

"A" LINE AND "C" LINE CRITERIA
FOR SECTIONS EXCAVATED BY CONTROLLED BLASTING



- "A" LINE:
 - THE DESIGN OUTSIDE FACE OF PERMANENT LINING, INCLUDING WATERPROOFING SYSTEM, "A" LINE, IS THE LINE BEYOND WHICH ROCK, INITIAL SUPPORT AND SMOOTHING LAYER SHALL NOT EXTEND.
 - WHERE THERE IS NO PERMANENT LINING TO BE CONSTRUCTED IN THIS CONTRACT, AS SHOWN ON THE CONTRACT DRAWINGS, THE "A" LINE IS DEFINED AS THE INSIDE FACE OF INITIAL SUPPORT WITH SMOOTHING LAYER AT ENDWALLS TO BE EXCAVATED BY FUTURE CONTRACTS, SMOOTHING LAYER IS NOT REQUIRED.
- THE NEAT EXCAVATION LINE "C" LINE, IS THE EXCAVATION LINE REQUIRED TO ACCOMMODATE INITIAL SUPPORT. THE "C" LINE DOES NOT INCLUDE ANY ALLOWANCE FOR OVERBREAK.
- PROVIDE SMOOTHING LAYER AS FOLLOWS:
 - WHERE SHOTCRETE LINING IS REINFORCED WITH STEEL FIBERS, PROVIDE A MINIMUM OF 1" SMOOTHING LAYER AND AS REQUIRED TO MEET "A" LINE CRITERIA.
 - WHERE SHOTCRETE LINING IS REINFORCED WITH WELDED WIRE FABRIC, PROVIDE SMOOTHING LAYER AS REQUIRED TO MEET "A" LINE CRITERIA.
 - WHERE SHOTCRETE LINING IS NOT PROVIDED IN THE INITIAL SUPPORT, PROVIDE SMOOTHING LAYER AS REQUIRED TO MEET "A" LINE CRITERIA.
- "A" LINE TOLERANCE (W) SHALL BE -2", +0", AND LESS THAN L/10.

	<p>New York City Transit Capital Construction</p> <p>Hudson Yards Development Corporation</p>	<p>DESIGNED BY: F. TOPCUBASI</p> <p>DRAWN BY: J. JIMENEZ</p> <p>CHECKED BY: P. WAHL</p> <p>APPROVED BY: H. L. BERLINER</p>	<p>CONTRACT C-26503</p> <p>CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN</p> <p>GENERAL NOTES</p> <p>SHEET 2</p>	<p>DATE: JAN 19, 2007</p> <p>DRAWING No. GP-10022</p> <p>REVISION:</p>						
	<p>IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.</p>	<table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV	DESCRIPTION	DATE	APPROVED				
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GENERAL LEGEND

EXISTING		PROPOSED
	RIGHT-OF-WAY LINE	
	PROPERTY LINE	
	EASEMENT LINE	
	INDEX CONTOUR	
	INTERMEDIATE CONTOUR	
	CENTER OR BASE LINE	
	MATCH LINE OR SECTION LINE	
	TRACK CENTER LINE	
	CHAIN LINK FENCE	
	DIRECTION OF FLOW	
	HAY BALES	
	SPOT ELEVATIONS	
	SURVEY CONTROL MONUMENT	
	CURB LINE (TYPE INDICATED)	
	RETAINING WALL	
	SILT FENCE	
	DROP CURB	
	PAVEMENT MARKING	
	RAILROAD TRACKS	
	FUTURE WORK (NIC)	
	LEGAL GRADE	
	EXISTING FEATURE TO BE REMOVED	

TOPOGRAPHIC SYMBOLS

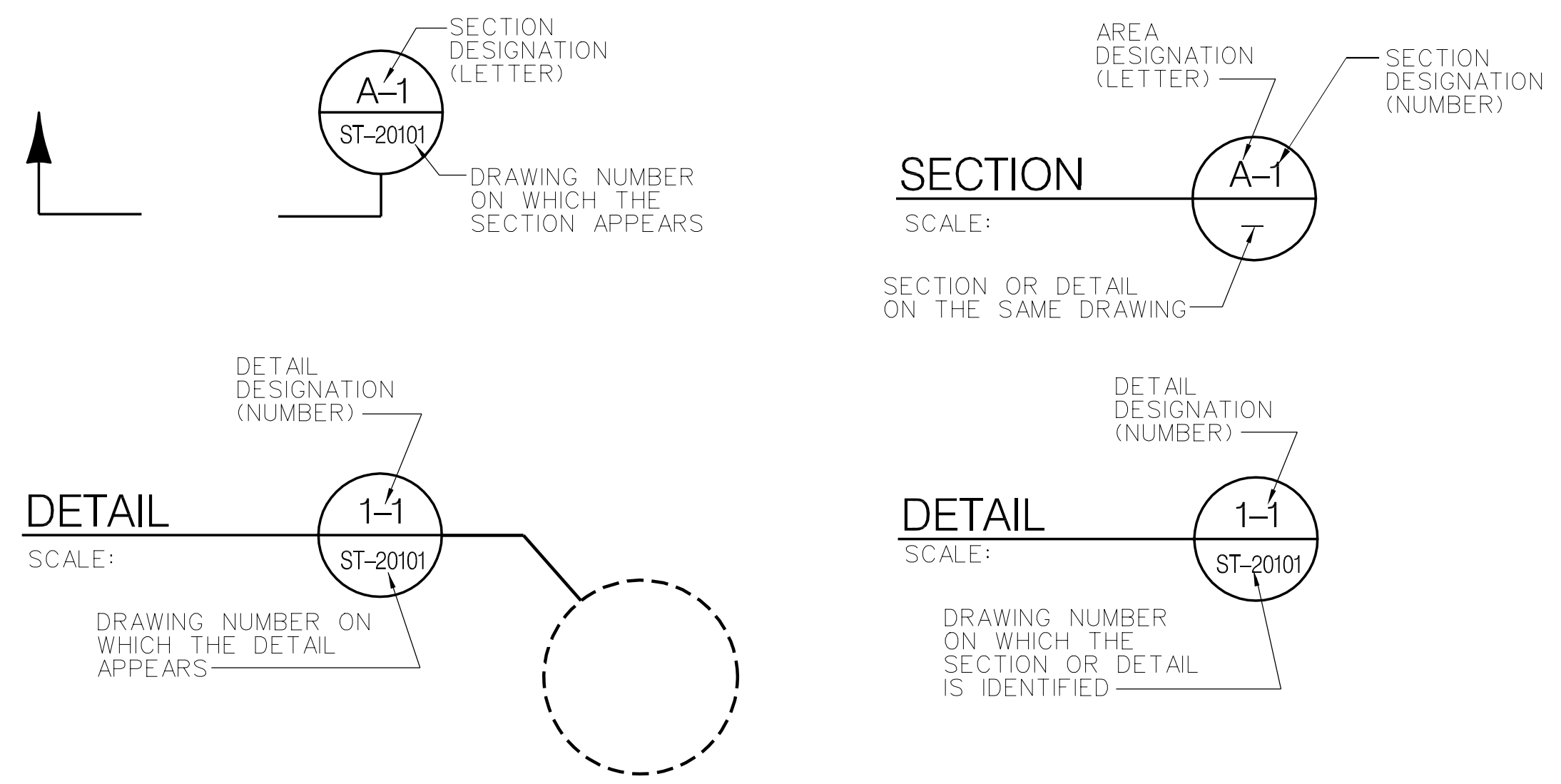
	BOLLARD
	FIRE HYDRANT
	CATCH BASIN OR INLET
	LIGHT POLE
	MANHOLE (TYPE INDICATED)
	SIGN
	TELEPHONE BOOTH
	TRAFFIC SIGNAL
	TRAFFIC SIGNAL BOX
	TREE PIT
	UTILITY POLE
	VALVE (TYPE INDICATED)
	PARKING METER
	US MAIL BOX
	GRATE / VENT
	STAIRS
	BUILDING ENTRANCE

LEGEND:

	NEAT EXCAVATION LINE IN ROCK ("C" LINE)
	INTERMEDIATE EXCAVATION STAGE
	EXISTING EXCAVATED SURFACE AND / OR WORK COMPLETED BY OTHERS PRIOR TO START OF THE WORK SHOWN HEREIN.
	APPROXIMATE TOP OF ROCK
	NEAT EXCAVATION LINE IN SOIL

SECTION AND DETAIL DESIGNATIONS


AREA DESIGNATION LETTERS
 S - SYSTEM WIDE
 A - SITE A
 H - 34TH STREET STATION

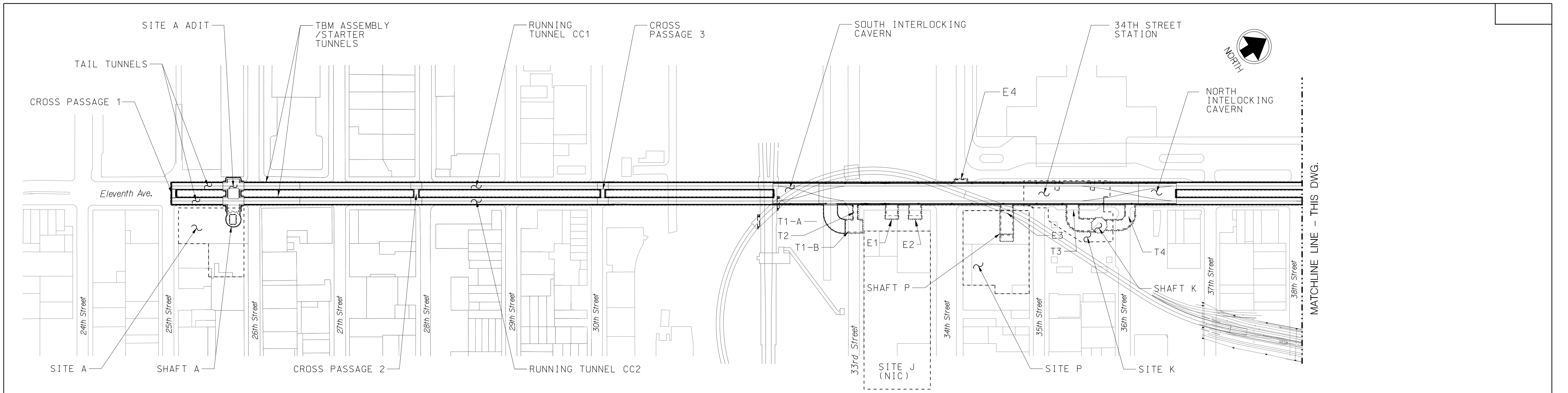


	New York City Transit Capital Construction Hudson Yards Development Corporation	IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.	REV	DESCRIPTION	DATE	APPROVED	DESIGNED BY: F. TOPCUBASI	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL LEGEND AND SYMBOLS	DATE: JAN 19, 2007
						DRAWN BY: D. TARECTECAN	DRAWING No. GP-10023		
							CHECKED BY: P. WAHL		REVISION:
							APPROVED BY: H. L. BERLINER		

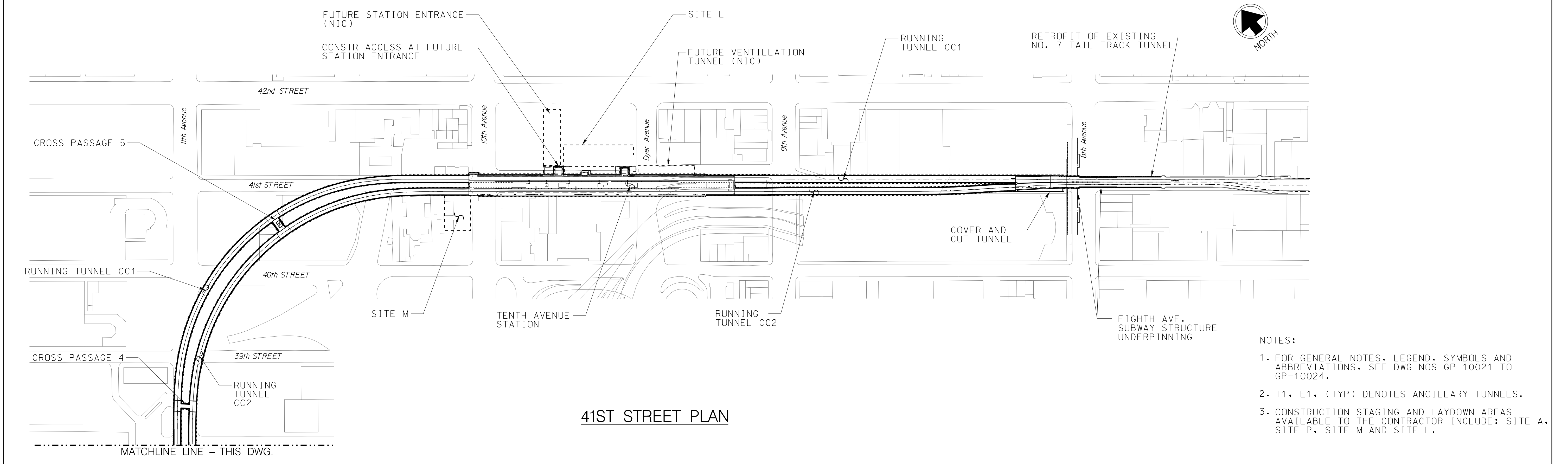
ABBREVIATIONS

A/E	ARCHITECT/ENGINEER	DWG	DRAWING	MECH	MECHANICAL	ST	S-SHAPE TEE, STORM SEWER, STREET, SPIRAL TO
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	DWGS	DRAWINGS	MEZZ	MEZZANINE	STA	STATION, STATIONING
AB	ANCHOR BOLT	(E)	EXISTING TO REMAIN	MH	MANHOLE	STD	STANDARD
ABUT	ABUTMENT	E/P	EDGE OF PAVEMENT	MIN	MINIMUM	STL	STEEL
ABV	ABOVE	EA	EACH	MISC	MISCELLANEOUS	STRUCT	STRUCTURE, STRUCTURAL
ACI	AMERICAN CONCRETE INSTITUTE	E E	EACH END	MO	MASONRY OPENING	SUB	SUBSTATION
ADA	AMERICANS WITH DISABILITIES ACT	EF, E F	EACH FACE, EXHAUST FAN	MOW	MAINTENANCE OF WAY	SURF	SURFACE
ADDL	ADDITIONAL	EL, ELEV	ELEVATION	MPH	MILES PER HOUR	SYM	SYMMETRICAL
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	ELEC	ELECTRIC, ELECTRICAL	MPT	MAINTENANCE AND PROTECTION OF TRAFFIC		
ALT	ALTERNATE, ALTERNATIVE	EMB	EMBEDMENT	MTA	METROPOLITAN TRANSIT AUTHORITY		
ANC	ANCHOR	EMER	EMERGENCY			T&B	TOP & BOTTOM
AOBE	AS ORDERED BY THE ENGINEER	ENGR	ENGINEER, ENGINEERING	N	NORTH	T/	TOP, TOP OF
APPROX	APPROXIMATE	EOP	EDGE OF PAVEMENT	NA	NOT APPLICABLE	T/R	TOP OF RAIL
ASPH	ASPHALT	EQ	EQUAL	NB	NORTH BOUND	TBM	TUNNEL BORING MACHINE
ASPHC	ASPHALT CONCRETE	EQN	EQUATION	NIC	NOT IN CONTRACT	TC	TOP OF CURB
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	ESMT	EASEMENT	NO	NUMBER	TCB	TRAFFIC CALL BOX
AVE	AVENUE	EW	EACH WAY	NOS	NUMBERS	TEL	TELEPHONE
AWS	AMERICAN WELDING SOCIETY	EXC	EXCAVATION	NTS	NOT TO SCALE	TEMP	TEMPORARY, TEMPERATURE
		EXIST	EXISTING	NYC	NEW YORK CITY	THK	THICK, THICKNESS
		EXP	EXPANSION	NYCDEP	NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION	TOC	TOP OF CONCRETE
BC	BOTTOM OF CURB	EXP JT	EXPANSION JOINT	NYCDDOT	NEW YORK CITY DEPARTMENT OF TRANSPORTATION	TOS	TOP OF STEEL
BET	BETWEEN	EXT	EXTERIOR	NYCDPR	NEW YORK CITY DEPARTMENT OF PARKS AND RECREATION	TYP	TYPICAL
BIT	BITUMINOUS			NYCT	NEW YORK CITY TRANSIT		
BJF	BITUMINOUS JOINT FILLER	FDN	FOUNDATION			UON	UNLESS OTHERWISE NOTED
BL	BASELINE, BUILDING LINE	FDNY	NEW YORK CITY FIRE DEPARTMENT	OA, OAI	OUTSIDE AIR INTAKE	UTIL	UTILITY
BLDG	BUILDING	FIN GR	FINISH GRADE	OC	ON CENTER		
BLK	BLOCK, BLACK	FOC	FACE OF CONCRETE	OCMC	OFFICE OF CONSTRUCTION MITIGATION AND COORDINATION	VAR	VARIABLE
BLVD	BOULEVARD	FOW	FACE OF WALL	OD	OUTSIDE DIAMETER	VENT	VENTILATION
BM	BEAM, BENCHMARK	FT	FOOT, FEET	OF	OUTSIDE FACE	VERT	VERTICAL
BOT	BOTTOM	FTG	FOOTING	OH	OPPOSITE HAND, OVERHEAD	VIF	VERIFY IN FIELD
BRG	BEARING			OPNG	OPENING		
BRG PL	BEARING PLATE	GA	GAUGE			W	WEST, WIDTH, WIRE, WIDE FLANGE SHAPE
BSMT	BASEMENT	GALV	GALVANIZED	P	POLE	W/	WITH
		GR	GRADE	P/L	PROPERTY LINE	WF	WIDE FLANGE
		GV	GAS VALVE, GATE VALVE	PABT	PORT AUTHORITY BUS TERMINAL	WL	WATER LEVEL
C	CELSIUS, CHANNEL			PANY&NJ	PORT AUTHORITY OF NEW YORK AND NEW JERSEY	WP	WORK POINT, WATERPROOFING, WEATHER PROOF
C&C	CUT-AND-COVER	H	HEIGHT	PAVT	PAVEMENT	WPS	WATERPROOFING SYSTEM
C/L	CURB LINE	HPT	HIGH POINT	PC	POINT OF CURVATURE	WS	WATER SERVICE, WATER STOP
CAV	CAVERN	HS	HIGH STRENGTH	PC CONC	PRECAST CONCRETE	WT	W-SHAPE TEE, WATERTIGHT, WEIGHT
CB	CATCH BASIN	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	PCF	POUNDS PER CUBIC FOOT	WWF	WELDED WIRE FABRIC
CC, C/C	CENTER TO CENTER	HYD	HYDRANT	PE	PHOTOELECTRIC, PRELIMINARY ENGINEERING	WV	WATER VALVE
CE	CONSTRUCTION EASEMENT			PED	PEDESTRIAN		
CF	CUBIC FEET	ID	INSIDE DIAMETER	PERM	PERMANENT	X-SECT	CROSS SECTION
CG	CONCRETE GUTTER	IN	INCH, INCHES	PGL	PROFILE GRADE LINE		
CIP	CAST IN PLACE	INT	INTERLOCKING	PL	PLATE, PROPERTY LINE		
CIRC	CIRCULAR			PSF	POUNDS PER SQUARE FOOT		
CL, C	CENTER LINE	JT	JOINT	PSI	POUNDS PER SQUARE INCH		
CLF	CHAIN LINK FENCE			PT	POINT OF TANGENT		
CLG	CEILING	K	KIP				
CLR	CLEARANCE, CLEAR	KSF	KIPS PER SQUARE FOOT	R	RADIUS, RESISTANCE, RIGHT		
COL	COLUMN	KSI	KIPS PER SQUARE INCH	RC	REINFORCED CONCRETE		
CONC	CONCRETE			REINF	REINFORCE, REINFORCING, REINFORCEMENT		
CONST	CONSTRUCTION	L	STRUCTURAL ANGLE	REQD	REQUIRED		
CONST JT	CONSTRUCTION JOINT	LB	POUND, POUNDS	ROW	RIGHT-OF-WAY		
CONT	CONTINUATION, CONTINUOUS	LB/FT	POUNDS PER FOOT	RW	RETAINING WALL		
CONTR	CONTRACTION	LG	LONG, LENGTH				
CONTR JT	CONTRACTION JOINT	LIRR	LONG ISLAND RAILROAD	S	SOUTH		
COORD	COORDINATE	LL	LIVE LOAD	S/W	SIDEWALK		
CP	CROSS PASSAGE	LLH	LONG LEG HORIZONTAL	SB	SOUTHBOUND, SPLICE BOX		
		LLV	LONG LEG VERTICAL	SECT	SECTION		
D&B	DRILL AND BLAST	LONG	LONGITUDINAL	SEGM	SEGMENTAL		
DC	DEPRESSED CURB	LP	LIGHT POLE	SF	SQUARE FOOT, SQUARE FEET		
DC	DRAINAGE COMPOSITE	LPT	LOW POINT	SFCC	STEEL-FACED CONCRETE CURB		
DET	DETAIL	LVC	LENGTH OF VERTICAL CURVE	SPEC	SPECIFICATION		
DIA	DIAMETER			SQ FT	SQUARE FOOT, SQUARE FEET		
DIM	DIMENSION	MAX	MAXIMUM	SST	STAINLESS STEEL		
DL	DEAD LOAD						
DN	DOWN						

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		DRAWN BY: D. TARECTECAN		DRAWING No. GP-10024
<p>PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC. ONE PENN PLAZA, NEW YORK, NY 10119</p>	<p>REV DESCRIPTION DATE APPROVED</p>	CHECKED BY: P. WAHL	<p>REVISION:</p>	
		APPROVED BY: H. L. BERLINER		



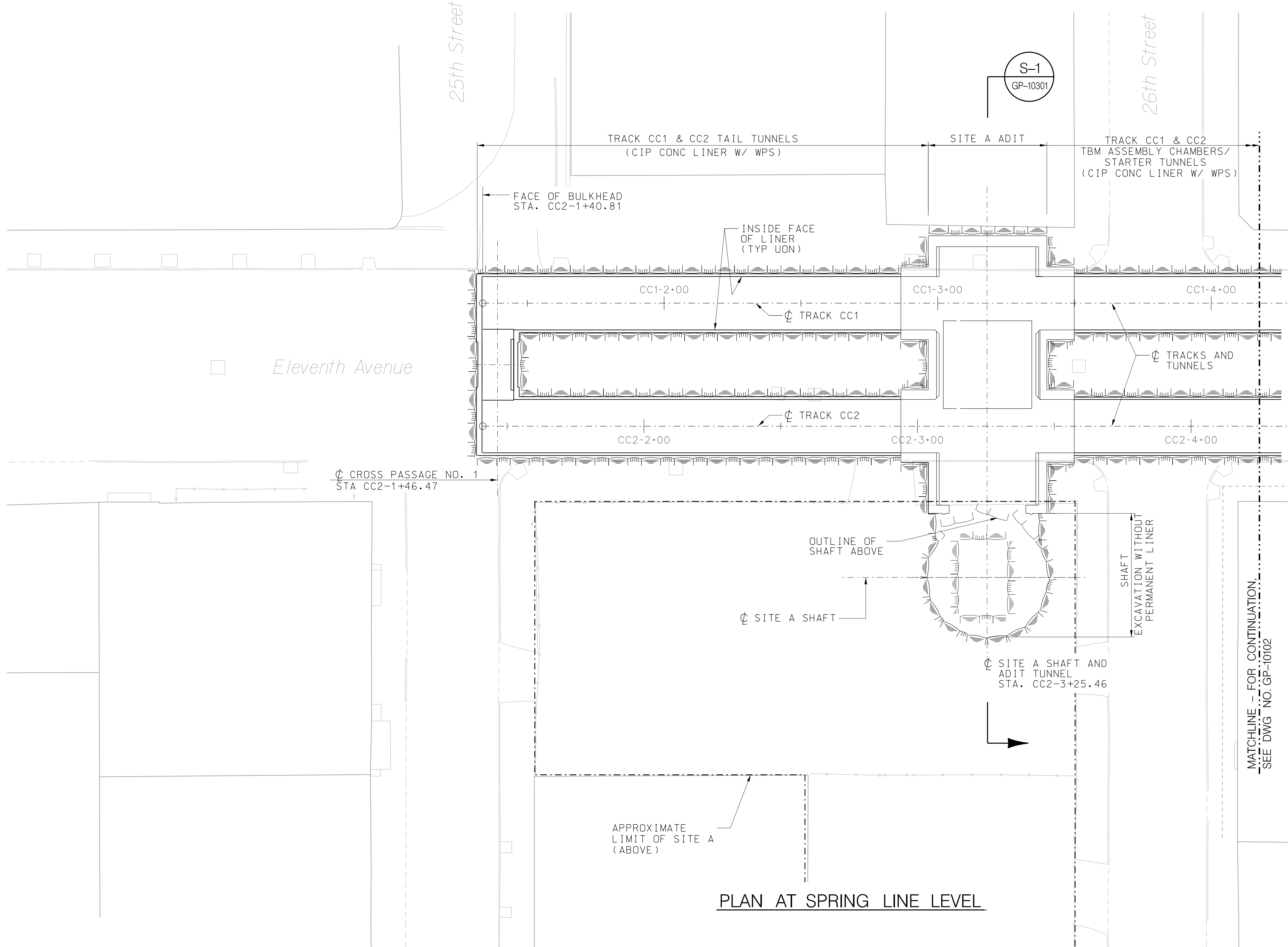
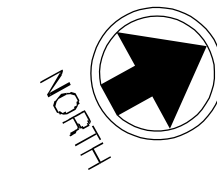
ELEVENTH AVENUE PLAN



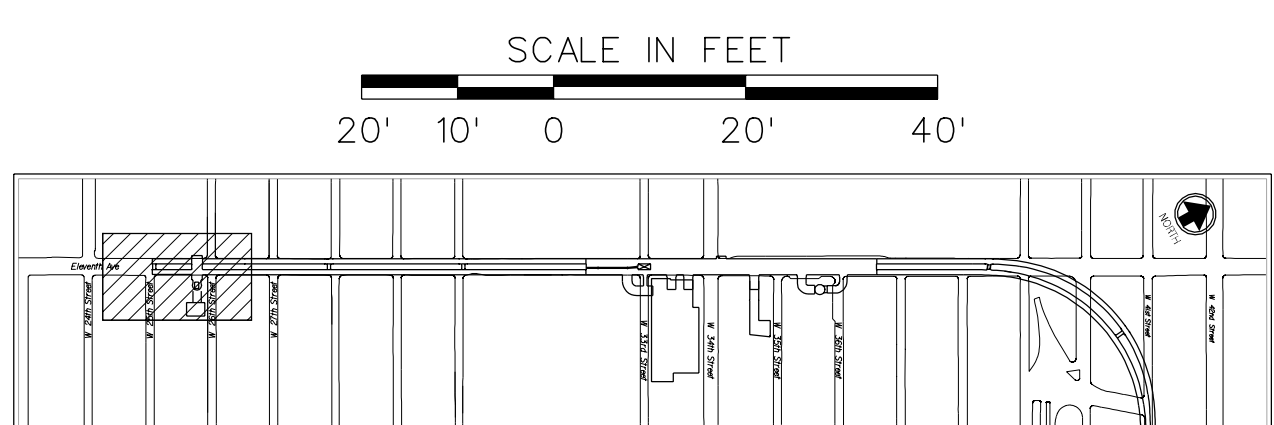
41ST STREET PLAN

- NOTES:
1. FOR GENERAL NOTES, LEGEND, SYMBOLS AND ABBREVIATIONS, SEE DWG NOS GP-10021 TO GP-10024.
 2. T1, E1, (TYP) DENOTES ANCILLARY TUNNELS.
 3. CONSTRUCTION STAGING AND LAYDOWN AREAS AVAILABLE TO THE CONTRACTOR INCLUDE: SITE A, SITE P, SITE M AND SITE L.

	<p>IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.</p>	DESIGNED BY: K. UPPAL	<p>CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN KEY PLANS</p>	DATE: JAN 19, 2007						
		DRAWN BY: D. TARECTECAN		DRAWING No. GP-10031						
<table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV	DESCRIPTION	DATE	APPROVED					CHECKED BY: P. WAHL	REVISION:
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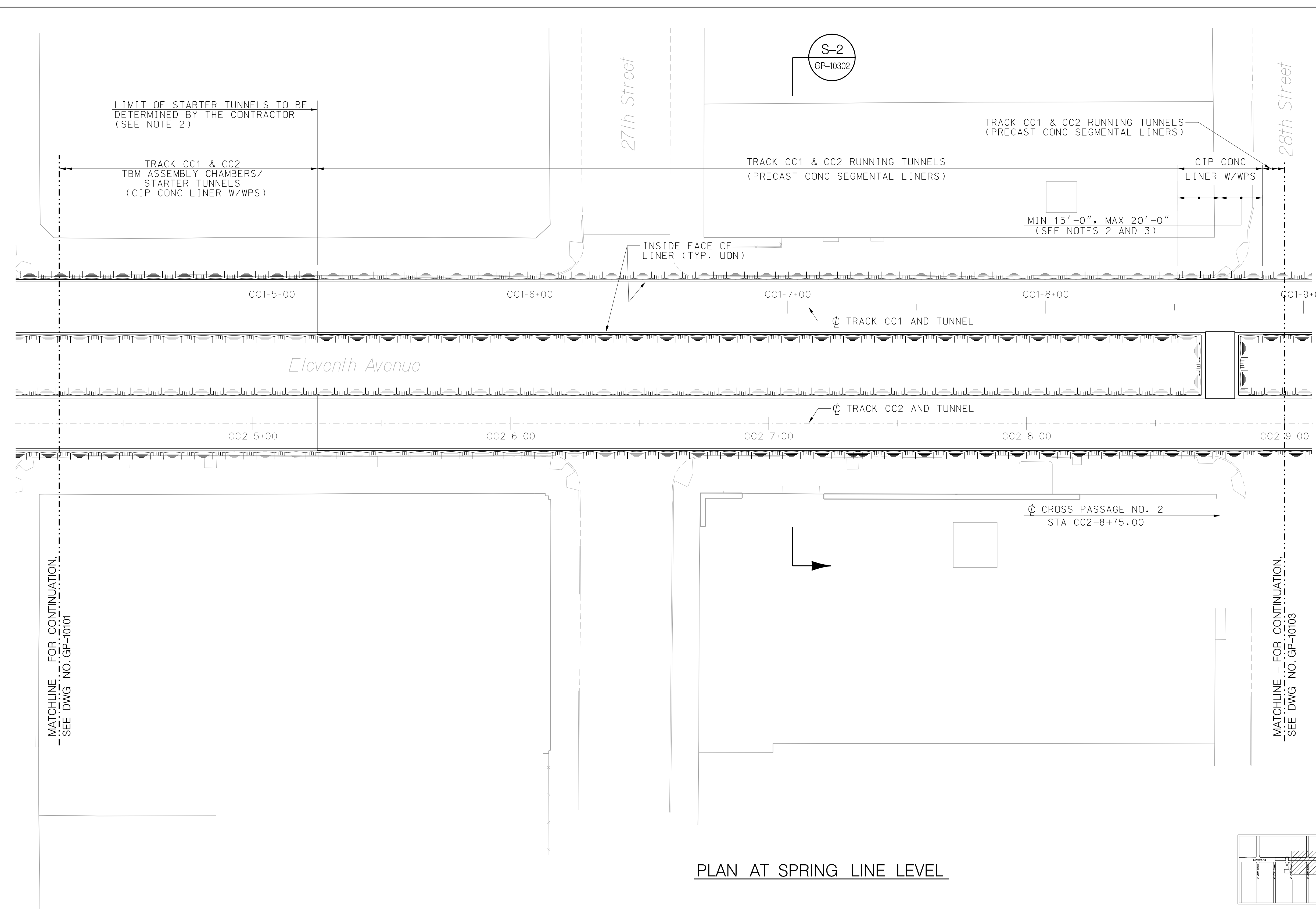
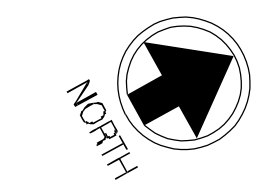
- NOTES:
- FOR GENERAL NOTES, LEGENDS, ABBREVIATIONS AND SYMBOLS SEE DWG NOS GP-10021 TO GP-10024.
 - FOR DETAILS OF TRACK ALIGNMENT PLAN AND PROFILE, SEE TK DWG SERIES.
 - WORK THIS DRAWING WITH STRUCTURAL, TRACK AND GEOTECHNICAL NOTES, LEGENDS AND ABBREVIATIONS DRAWINGS.
 - FOR WORK ON TBM ASSEMBLY CHAMBERS/STARTER TUNNELS:
 - CONTRACTOR SHALL DETERMINE DIMENSIONS OF TBM ASSEMBLY CHAMBERS AND STARTER TUNNELS AND ADIT AS REQUIRED TO SUIT ASSEMBLY OF THE TUNNEL BORING MACHINES.
 - CONTRACTOR SHALL DESIGN SUPPORT AND EXCAVATION SEQUENCING FOR TBM ASSEMBLY CHAMBERS/STARTER TUNNELS IN ACCORDANCE WITH CRITERIA CONTAINED IN THE GEOTECHNICAL BASELINE REPORT AND SHALL SUBMIT DESIGN TO ENGINEER FOR REVIEW.
 - CONTRACTOR SHALL EVALUATE PILLAR STABILITY BETWEEN ASSEMBLY CHAMBERS AND SUBMIT EVALUATION TO ENGINEER FOR REVIEW.
 - FOR EXISTING BUILDING INFORMATION, SEE DWG NOS GT-10111 TO GT-10118
 - FOR DETAILS OF PRECAST CONCRETE TUNNEL LINING, SEE DWG NOS ST-10321 THROUGH ST-10326.
 - FOR DETAILS OF CAST-IN-PLACE CONCRETE TUNNEL LINING, SEE DWG NO ST-10541.
 - THE WATERPROOFING SYSTEM IS NOT SHOWN ON THE 'GP' DRAWINGS. FOR WATERPROOFING DETAILS, SEE STRUCTURAL DRAWINGS.



PLAN AT SPRING LINE LEVEL

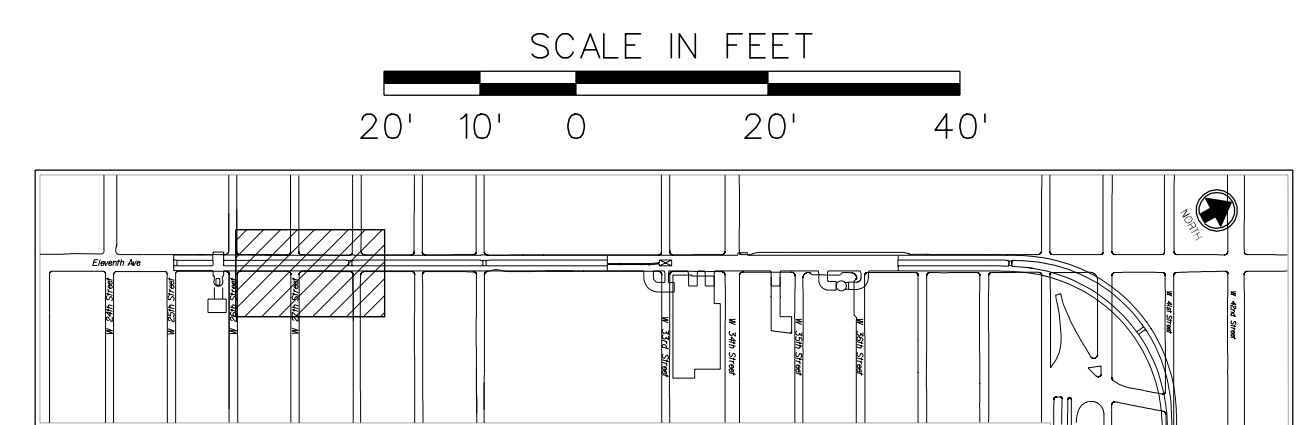
ELEVENTH AVENUE KEY PLAN

			DESIGNED BY:	K. UPPAL	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-1 + 40.81 TO STA. CC2-4 + 25 SHEET 1	DATE:	JAN 19, 2007
			DRAWN BY:	D. TARECTECAN		DRAWING No.	GP-10101
IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.			CHECKED BY:	P. WAHL	REVISION:		
REV	DESCRIPTION	DATE	APPROVED	H. L. BERLINER			



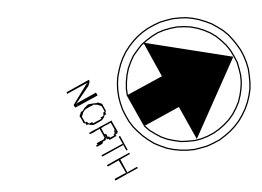
- NOTES:
1. FOR ADDITIONAL NOTES, SEE DWG NO. GP-10101.
 2. LENGTH OF CIP CONCRETE LINER WITHIN INDICATED LIMITS SHALL BE ADJUSTED AS REQUIRED BY SEGMENTAL LINER INSTALLATION LAYOUT AND SUBMITTED TO ENGINEER FOR REVIEW.
 3. THE CONTRACTOR MAY INSTALL PRECAST CONCRETE LINER IN THE TUNNELS AT THESE INTERSECTIONS FOR MAINTAINING CONTINUITY OF THE TBM EXCAVATION. IF THE CONTRACTOR ELECTS TO DO SO, THE CONTRACTOR SHALL SUBMIT FOR THE ENGINEERS REVIEW: THE CONTRACTOR'S METHOD OF BREAKING OUT THE PRECAST CONCRETE SEGMENTED LINING; DESIGN AND CONSTRUCTION PROCEDURES FOR THE SUPPORT OF PARTIAL PRECAST CONCRETE RINGS; CROSS PASSAGES EXCAVATION METHOD; PROTECTION OF ADJACENT PRECAST CONCRETE SEGMENTS; AND STRUCTURAL AND WATERPROOFING DETAILS.

PLAN AT SPRING LINE LEVEL

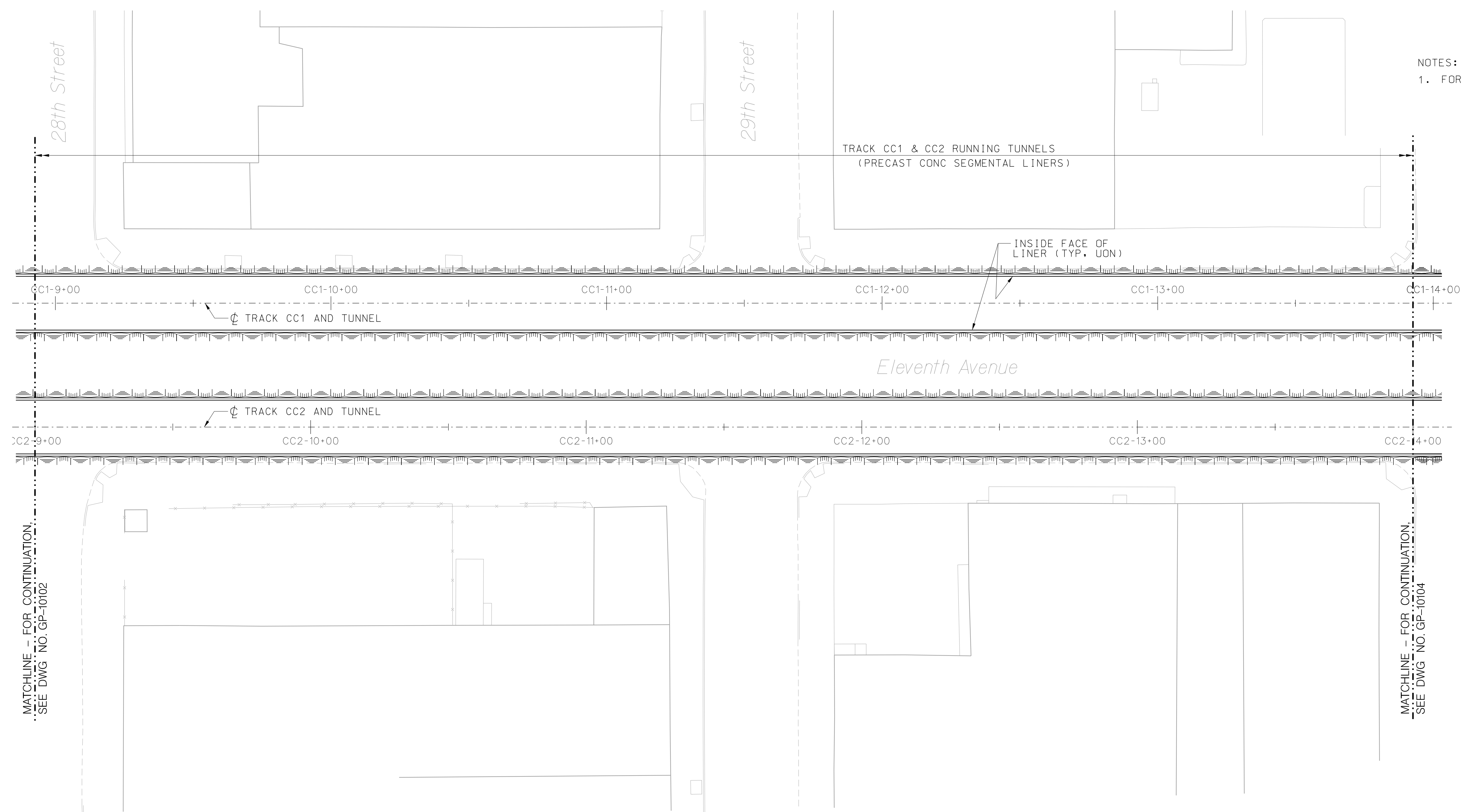


ELEVENTH AVENUE KEY PLAN

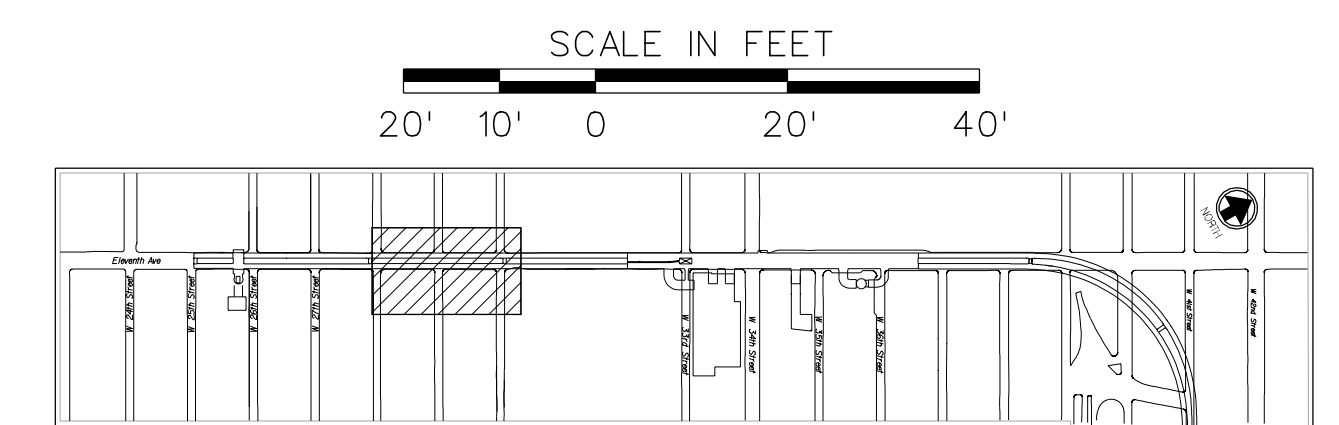
							DESIGNED BY: K. UPPAL	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-4+25 TO STA. CC2-9+00 SHEET 2	DATE: JAN 19, 2007
			DRAWN BY: D. TARECTECAN	CHECKED BY: P. WAHL	APPROVED BY: H. L. BERLINER	DRAWING No. GP-10102			
IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.			REV	DESCRIPTION	DATE	APPROVED	REVISION:		



NOTES:
 1. FOR NOTES, SEE DWG NO. GP-10101.

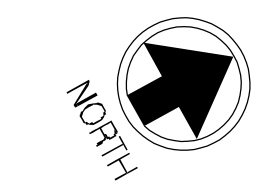


PLAN AT SPRING LINE LEVEL



ELEVENTH AVENUE KEY PLAN

			DESIGNED BY: K. UPPAL		CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-9+00 TO STA. CC2-14+00 SHEET 3	DATE: JAN 19, 2007						
			DRAWN BY: D. TARECTECAN			DRAWING No. GP-10103						
IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.			CHECKED BY: P. WAHL		REVISION:							
<table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			REV	DESCRIPTION		DATE	APPROVED					APPROVED BY: H. L. BERLINER
REV	DESCRIPTION	DATE	APPROVED									

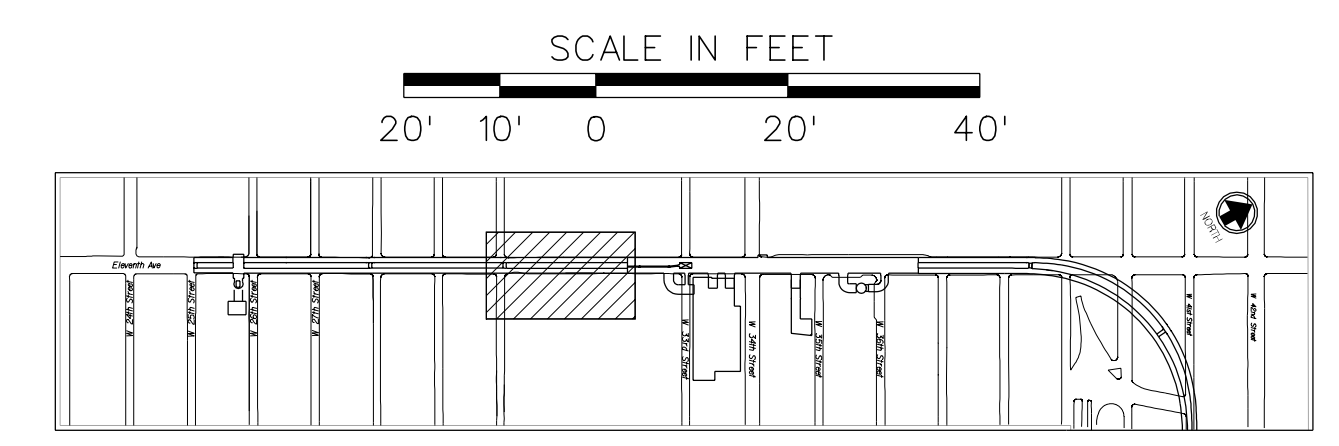


NOTES:

- FOR ADDITIONAL NOTES, SEE DWG NO. GP-10101.
- LENGTH OF CIP CONCRETE LINER WITHIN INDICATED LIMITS SHALL BE ADJUSTED AS REQUIRED BY SEGMENTAL LINER INSTALLATION LAYOUT AND SUBMITTED TO ENGINEER FOR REVIEW.
- THE CONTRACTOR MAY INSTALL PRECAST CONCRETE LINER IN THE TUNNELS AT THESE INTERSECTIONS FOR MAINTAINING CONTINUITY OF THE TBM EXCAVATION. IF THE CONTRACTOR ELECTS TO DO SO, THE CONTRACTOR SHALL SUBMIT FOR THE ENGINEER'S REVIEW: THE CONTRACTOR'S METHOD OF BREAKING OUT THE PRECAST CONCRETE SEGMENTED LINING; DESIGN AND CONSTRUCTION PROCEDURES FOR THE SUPPORT OF PARTIAL PRECAST CONCRETE RINGS; CROSS PASSAGES EXCAVATION METHOD; PROTECTION OF ADJACENT PRECAST CONCRETE SEGMENTS; AND STRUCTURAL AND WATERPROOFING DETAILS.

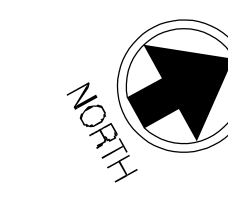


PLAN AT SPRING LINE LEVEL

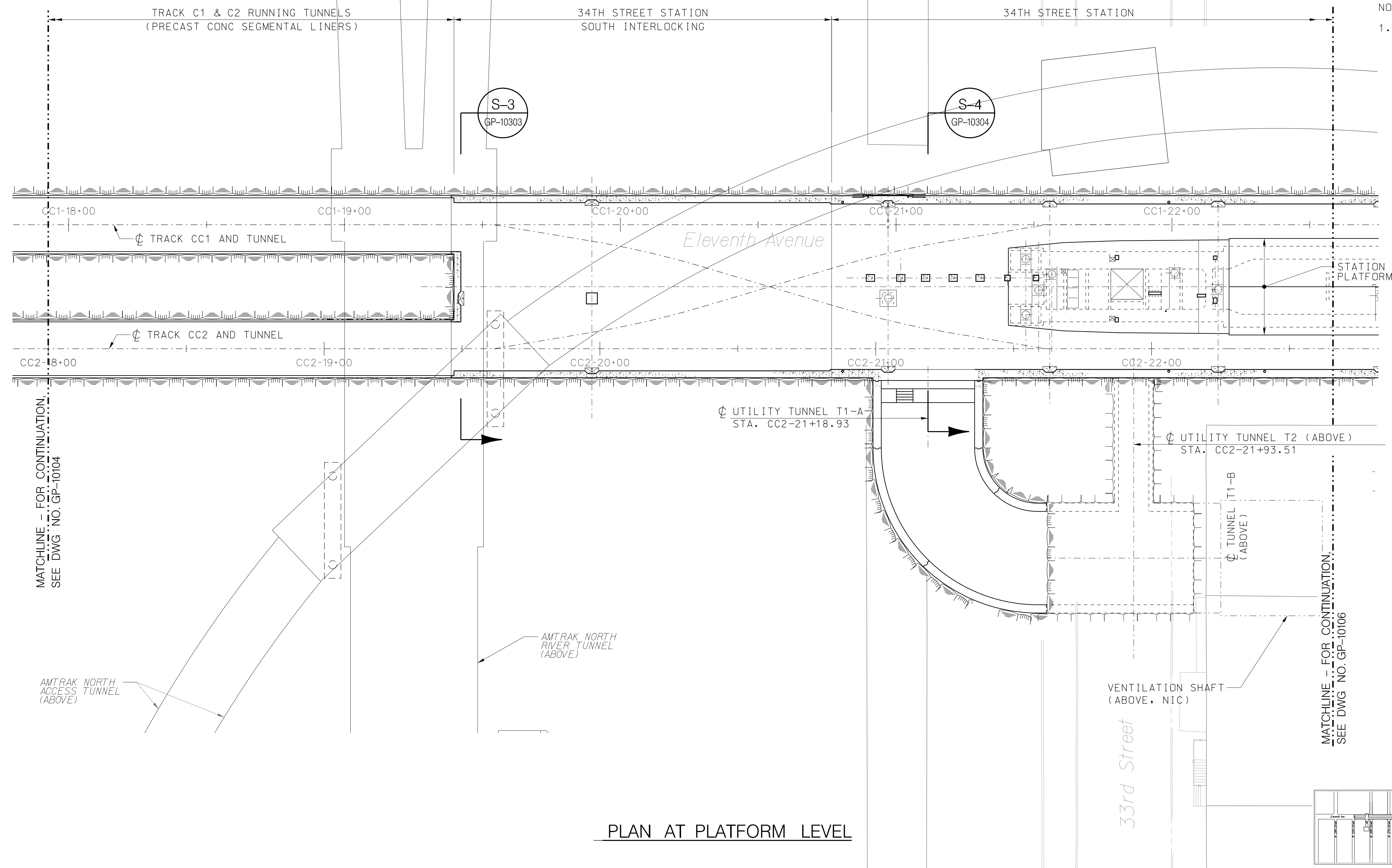


ELEVENTH AVENUE KEY PLAN

		DESIGNED BY: K. UPPAL	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-14+00 TO STA. CC2-18+00 SHEET 4	DATE: JAN 19, 2007
		DRAWN BY: D. TARECTECAN		DRAWING No. GP-10104
IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.	REV	DESCRIPTION	DATE	APPROVED
	CHECKED BY: P. WAHL APPROVED BY: H. L. BERLINER			



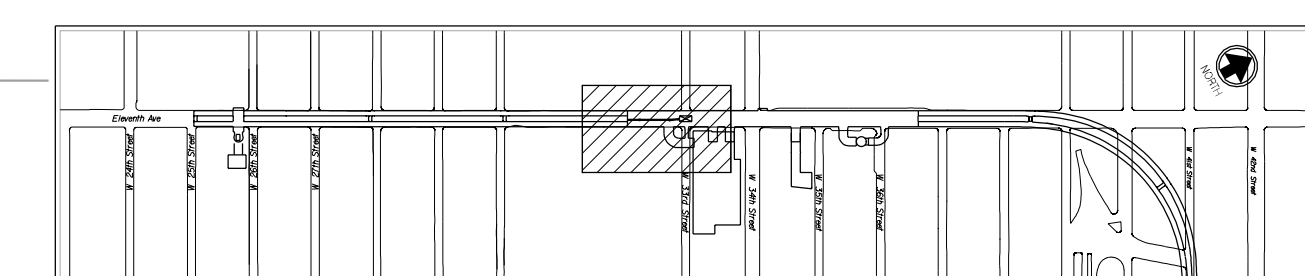
NOTES:
1. FOR NOTES, SEE DWG NO. GP-10101.



MATCHLINE - FOR CONTINUATION, SEE DWG NO. GP-10104

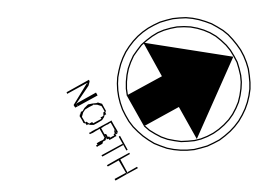
MATCHLINE - FOR CONTINUATION, SEE DWG NO. GP-10106

PLAN AT PLATFORM LEVEL

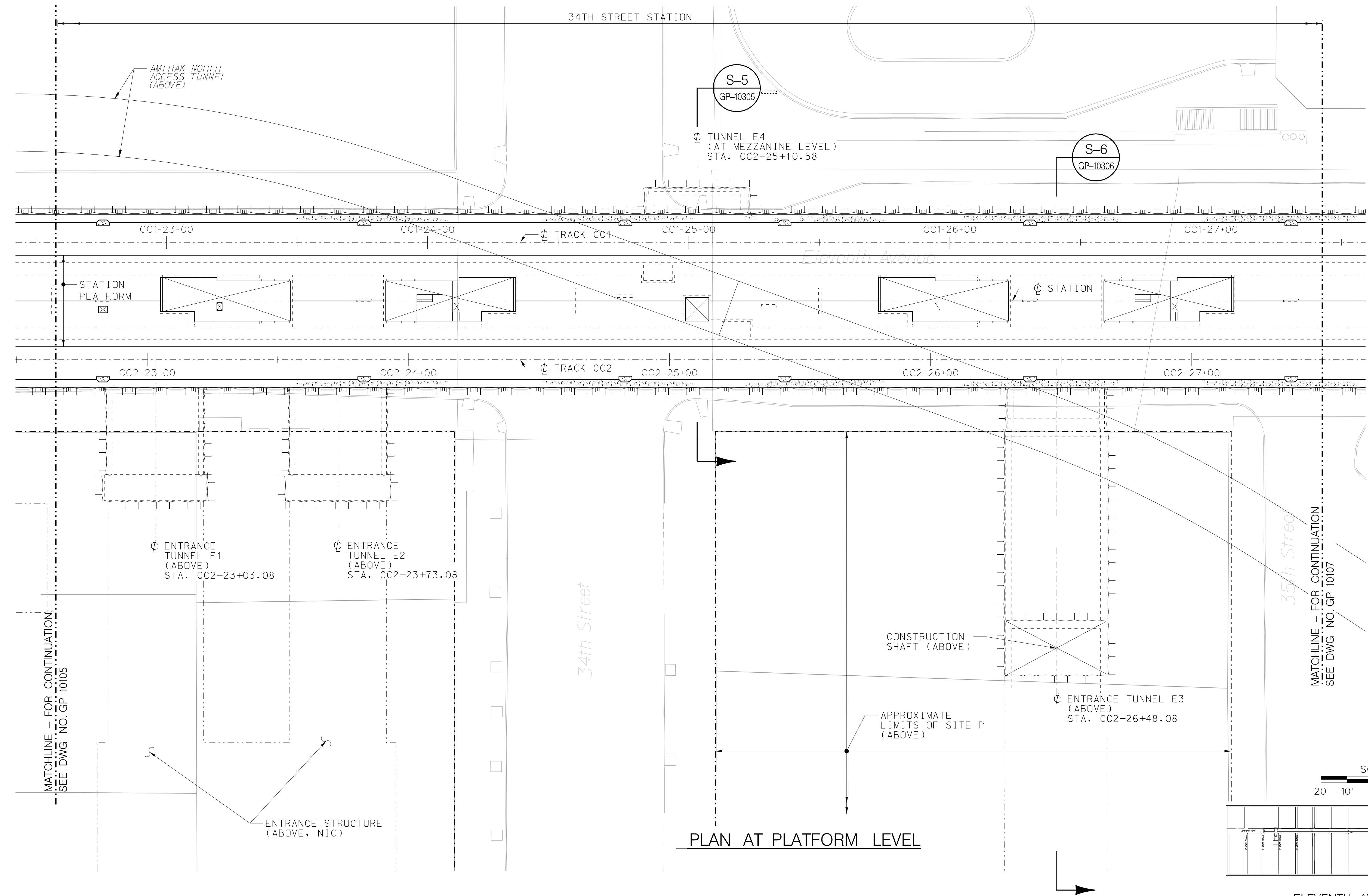


ELEVENTH AVENUE KEY PLAN

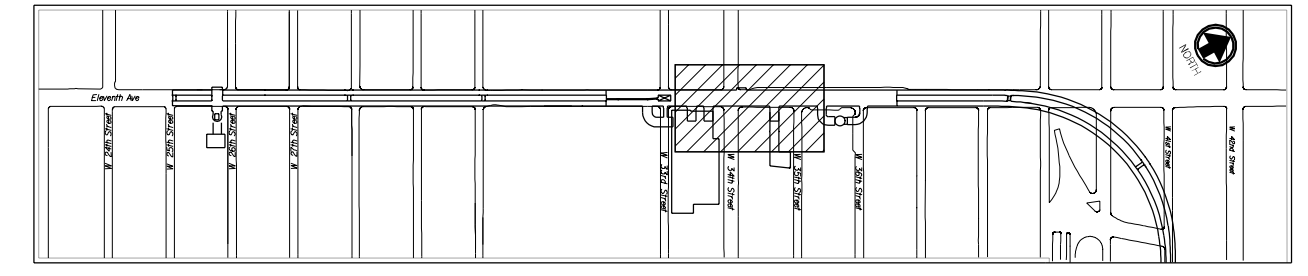
	New York City Transit Capital Construction	 Hudson Yards Development Corporation	DESIGNED BY: K. UPPAL	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-18+00 TO STA. CC2-22+65 SHEET 5	DATE: JAN 19, 2007
			DRAWN BY: D. TARETECAN		DRAWING No. GP-10105
<small>IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.</small>			CHECKED BY: P. WAHL	REVISION:	
REV	DESCRIPTION	DATE	APPROVED		APPROVED BY: H. L. BERLINER



NOTES:
1. FOR NOTES, SEE DWG NO. GP-10101.

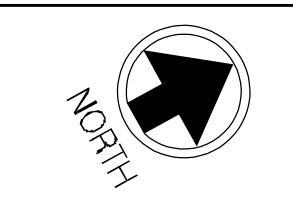


PLAN AT PLATFORM LEVEL



ELEVENTH AVENUE KEY PLAN

		IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.	DESIGNED BY:	K. UPPAL	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-22+65 TO STA. CC2-27+50 SHEET 6	DATE:	JAN 19, 2007
			DRAWN BY:	D. TARECTECAN		DRAWING No.	GP-10106
			CHECKED BY:	P. WAHL		REVISION:	
			APPROVED BY:	H. L. BERLINER			
REV	DESCRIPTION	DATE	APPROVED				



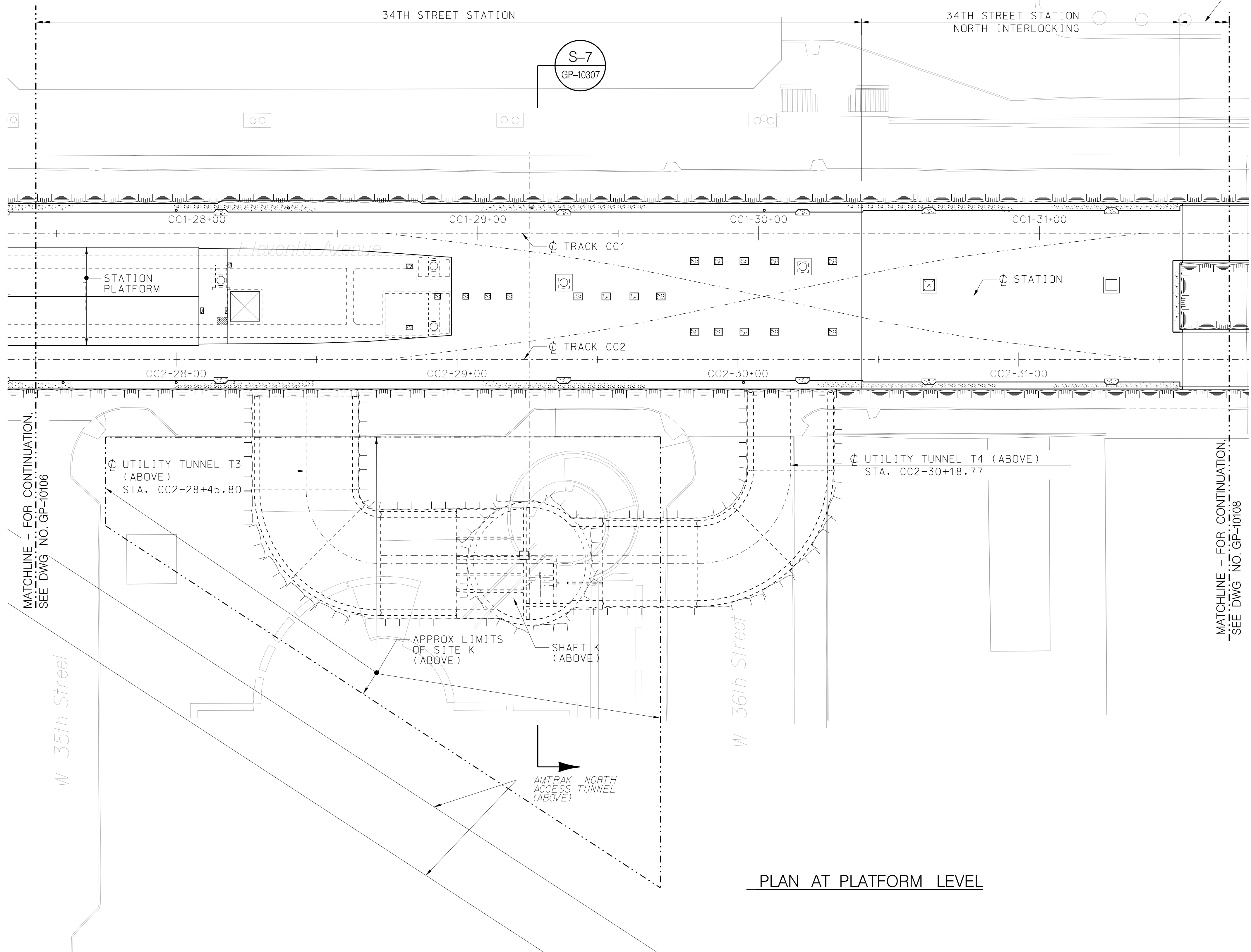
TRACK CC1 AND CC2 RUNNING TUNNELS
(PRECAST CONC SEGMENTAL LINERS)

34TH STREET STATION

34TH STREET STATION
NORTH INTERLOCKING

S-7
GP-10307

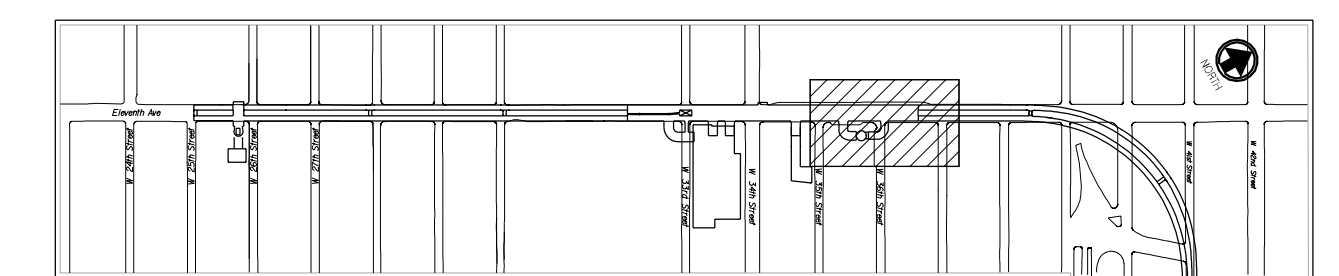
NOTES:
1. FOR NOTES, SEE DWG NO. GP-10101.



MATCHLINE - FOR CONTINUATION.
SEE DWG NO. GP-10106

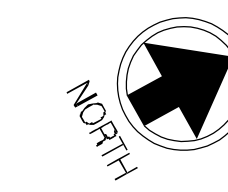
MATCHLINE - FOR CONTINUATION.
SEE DWG NO. GP-10108

PLAN AT PLATFORM LEVEL

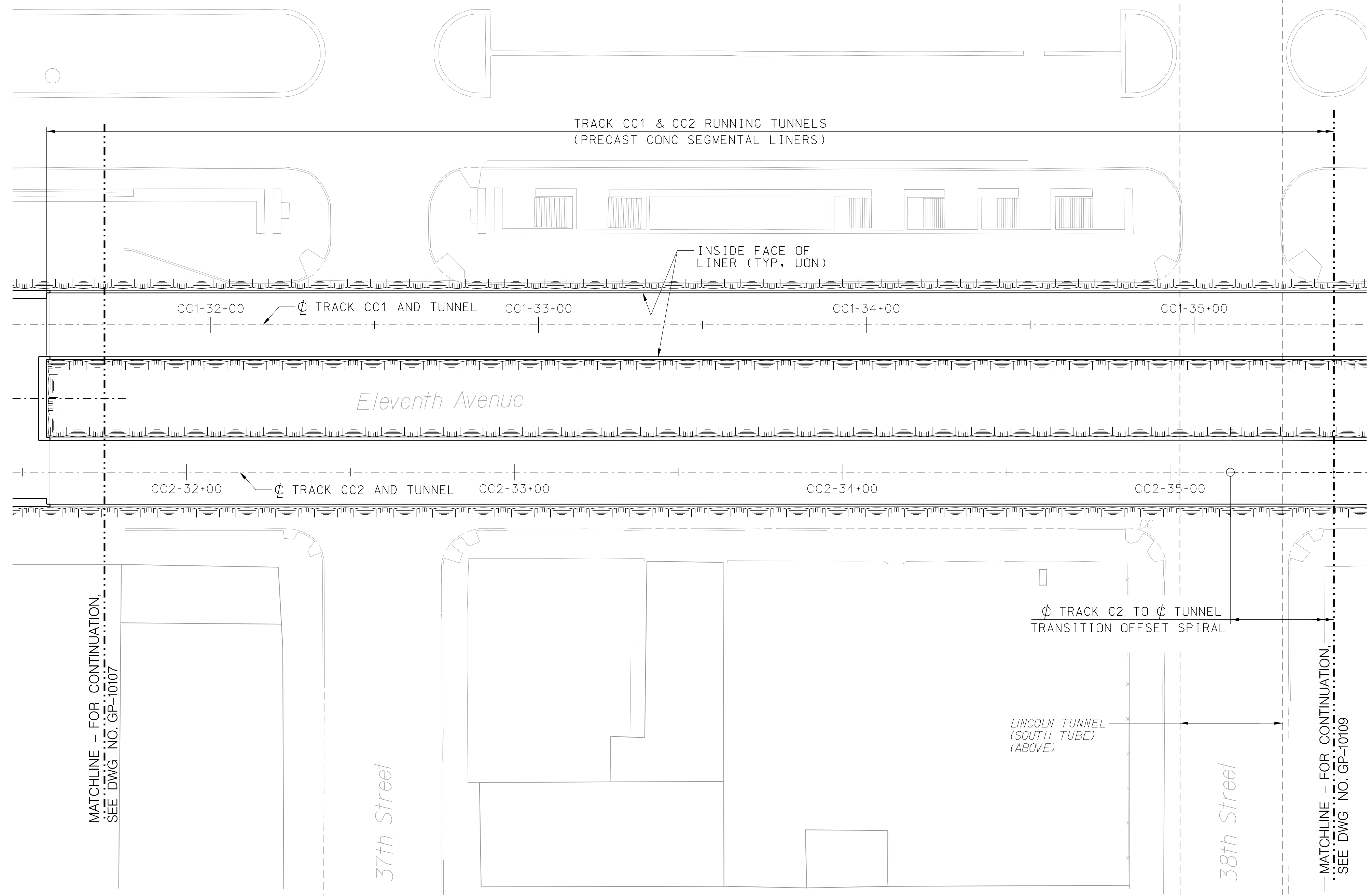


ELEVENTH AVENUE KEY PLAN

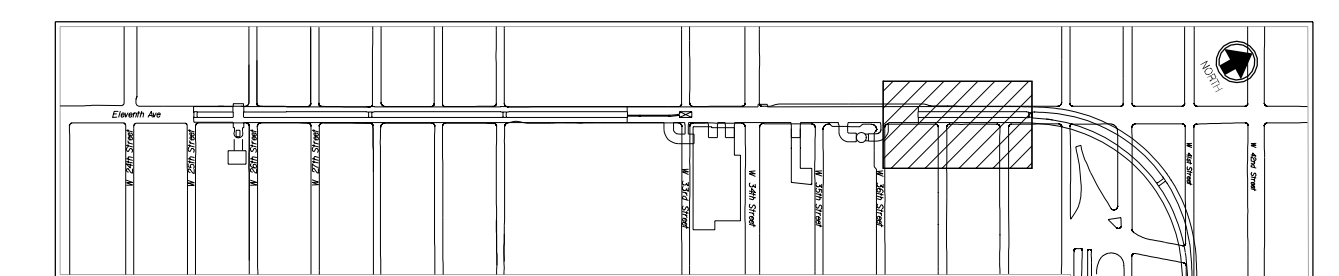
		New York City Transit Capital Construction		<table border="1"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																	DESIGNED BY: K. UPPAL	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-27+50 TO STA. CC2-31+75 SHEET 7	DATE: JAN 19, 2007
DRAWN BY: D. TARECTECAN	DRAWING No. GP-10107																						
CHECKED BY: P. WAHL	REVISION:																						
APPROVED BY: H. L. BERLINER																							
<table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				REV	DESCRIPTION	DATE	APPROVED																
REV	DESCRIPTION	DATE	APPROVED																				



NOTES:
1. FOR NOTES, SEE DWG NO. GP-10101.

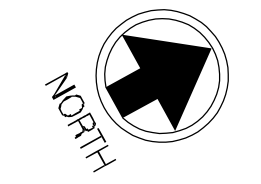


PLAN AT SPRING LINE LEVEL



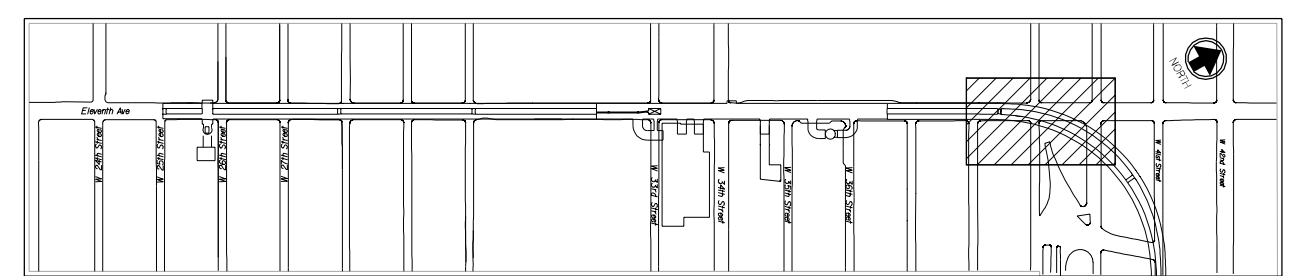
ELEVENTH AVENUE KEY PLAN

		DESIGNED BY: K. UPPAL	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-31+75 TO STA. CC2-35+50 SHEET 8	DATE: JAN 19, 2007
		DRAWN BY: D. TARECTECAN		DRAWING No. GP-10108
IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.		CHECKED BY: P. WAHL	REVISION:	
REV	DESCRIPTION	DATE		
		APPROVED BY: H. L. BERLINER		



- NOTES:
- FOR ADDITIONAL NOTES, SEE DWG NO. GP-10101.
 - FOR HORIZONTAL AND VERTICAL OFFSETS BETWEEN CENTER LINES OF TRACKS AND TUNNELS SEE TRACK ALIGNMENT DWGS.
 - LENGTH OF CONCRETE LINER WITHIN INDICATED LIMITS SHOULD BE ADJUSTED AS REQUIRED BY SEGMENTAL LINER INSTALLATION LAYOUT AND SUBMITTED TO ENGINEER FOR REVIEW.
 - THE CONTRACTOR MAY INSTALL PRECAST CONCRETE LINER IN THE TUNNELS AT THESE INTERSECTIONS FOR MAINTAINING CONTINUITY OF THE TBM EXCAVATION. IF THE CONTRACTOR ELECTS TO DO SO, THE CONTRACTOR SHALL SUBMIT FOR THE ENGINEERS REVIEW: THE CONTRACTOR'S METHOD OF BREAKING OUT THE PRECAST CONCRETE SEGMENTED LINING; DESIGN AND CONSTRUCTION PROCEDURES FOR THE SUPPORT OF PARTIAL PRECAST CONCRETE RINGS; CROSS PASSAGES EXCAVATION METHOD; PROTECTION OF ADJACENT PRECAST CONCRETE SEGMENTS; AND STRUCTURAL AND WATERPROOFING DETAILS.

PLAN AT SPRING LINE LEVEL

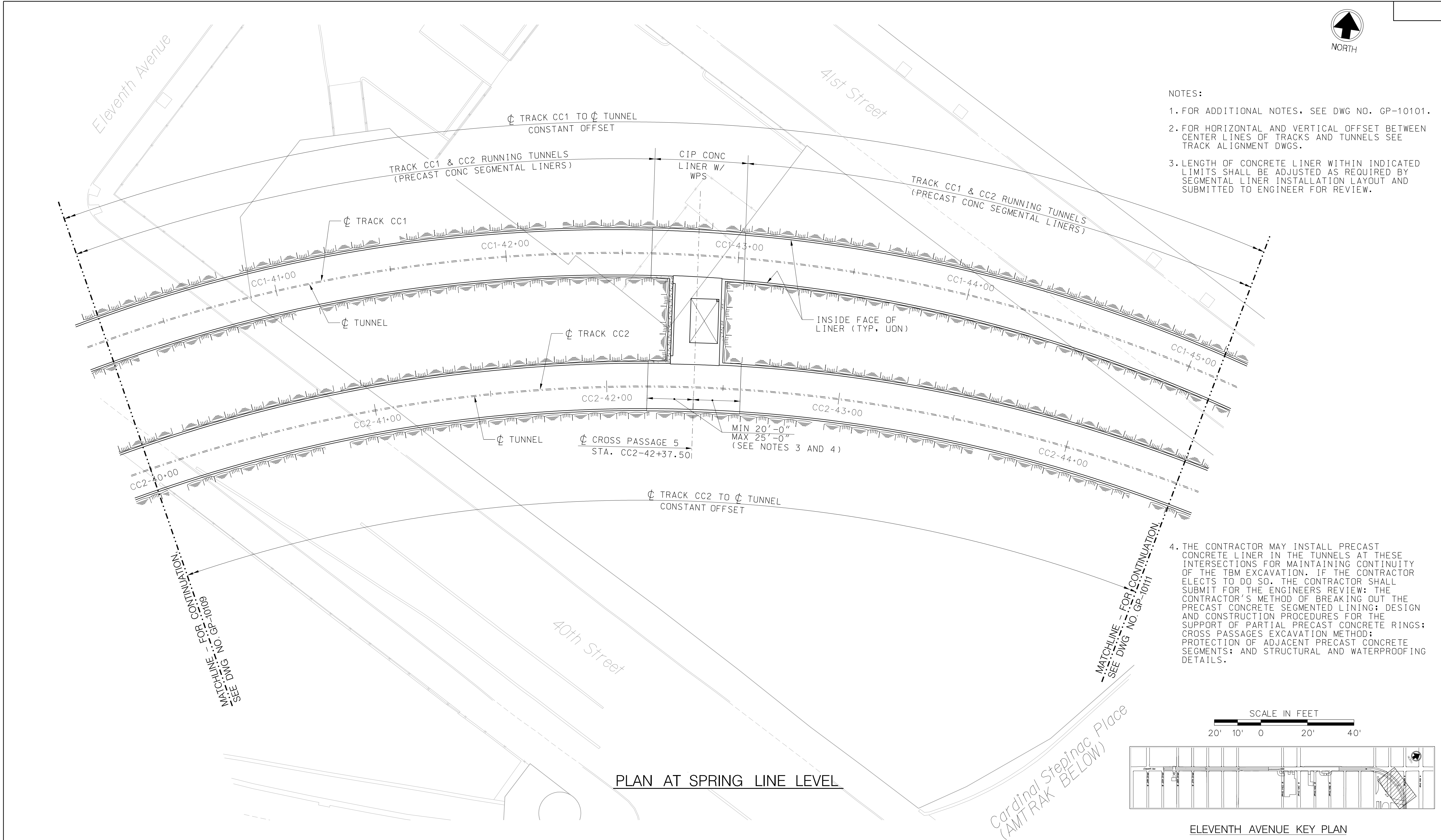


ELEVENTH AVENUE KEY PLAN

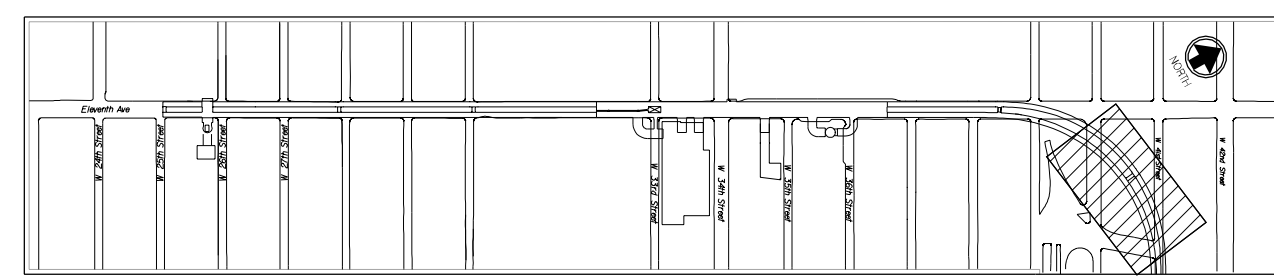
	New York City Transit Capital Construction	HYDC Hudson Yards Development Corporation	DESIGNED BY:	K. UPPAL	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-35+50 TO STA. CC2-40+00 SHEET 9	DATE:	JAN 19, 2007
			DRAWN BY:	D. TARECTECAN		DRAWING No.	GP-10109
IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.			CHECKED BY:	P. WAHL	REVISION:		
REV	DESCRIPTION	DATE	APPROVED	H. L. BERLINER			



- NOTES:
1. FOR ADDITIONAL NOTES, SEE DWG NO. GP-10101.
 2. FOR HORIZONTAL AND VERTICAL OFFSET BETWEEN CENTER LINES OF TRACKS AND TUNNELS SEE TRACK ALIGNMENT DWGS.
 3. LENGTH OF CONCRETE LINER WITHIN INDICATED LIMITS SHALL BE ADJUSTED AS REQUIRED BY SEGMENTAL LINER INSTALLATION LAYOUT AND SUBMITTED TO ENGINEER FOR REVIEW.



4. THE CONTRACTOR MAY INSTALL PRECAST CONCRETE LINER IN THE TUNNELS AT THESE INTERSECTIONS FOR MAINTAINING CONTINUITY OF THE TBM EXCAVATION. IF THE CONTRACTOR ELECTS TO DO SO, THE CONTRACTOR SHALL SUBMIT FOR THE ENGINEERS REVIEW: THE CONTRACTOR'S METHOD OF BREAKING OUT THE PRECAST CONCRETE SEGMENTED LINING; DESIGN AND CONSTRUCTION PROCEDURES FOR THE SUPPORT OF PARTIAL PRECAST CONCRETE RINGS; CROSS PASSAGES EXCAVATION METHOD; PROTECTION OF ADJACENT PRECAST CONCRETE SEGMENTS; AND STRUCTURAL AND WATERPROOFING DETAILS.



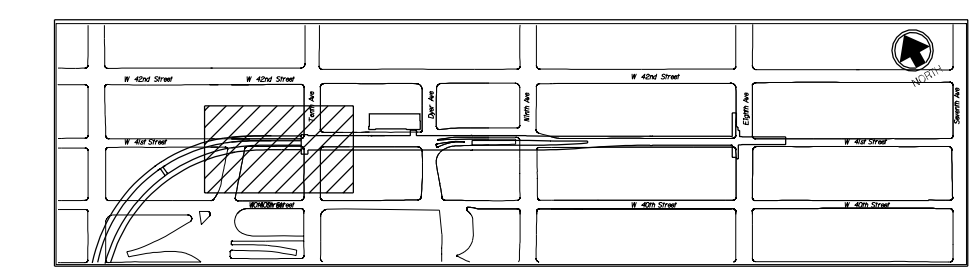
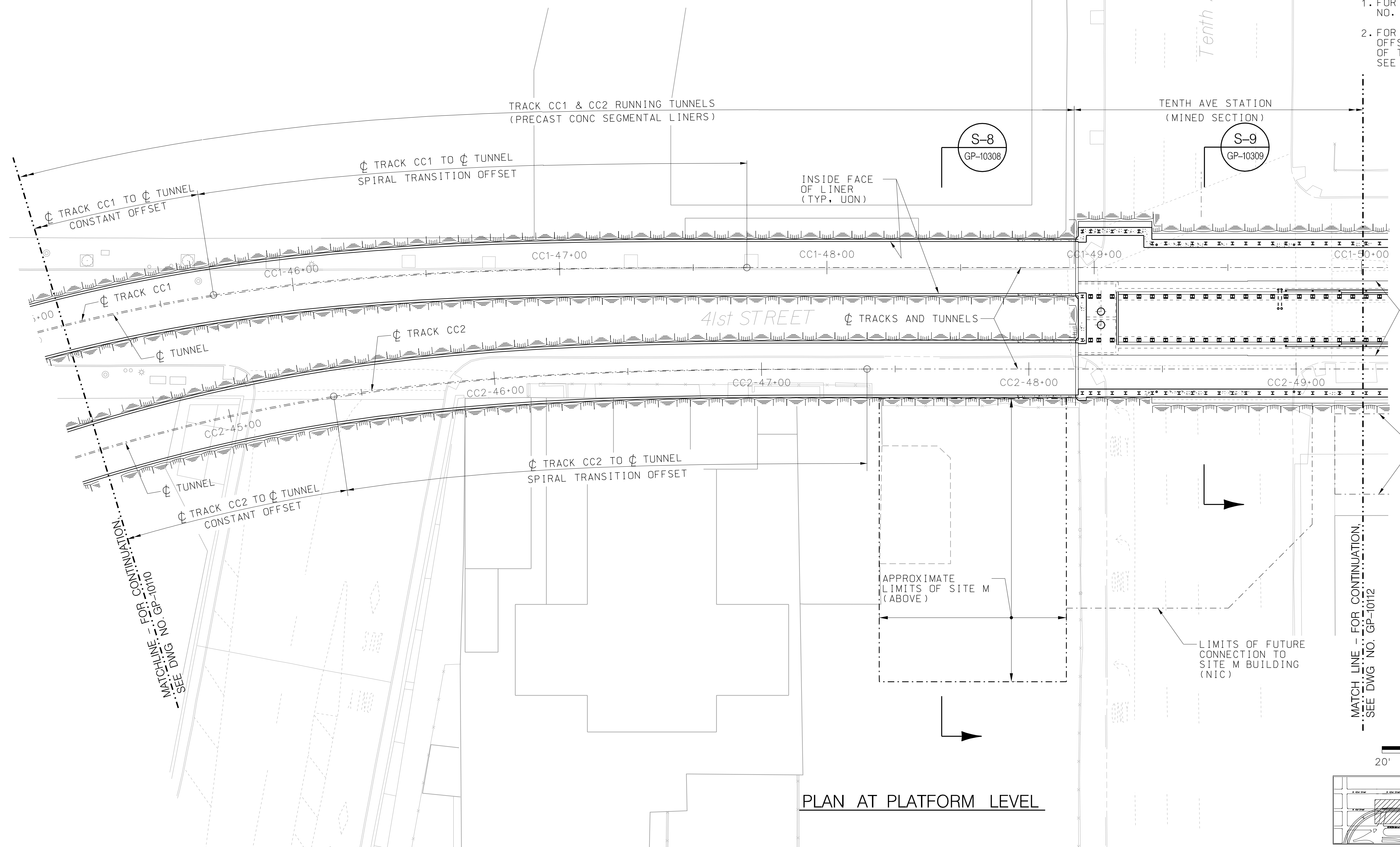
PLAN AT SPRING LINE LEVEL

ELEVENTH AVENUE KEY PLAN

			DESIGNED BY: K. UPPAL				CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-40+00 TO STA. CC2-44+50 SHEET 10	DATE: JAN 19, 2007
			DRAWN BY: D. TARECTECAN					DRAWING No. GP-10110
IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.			CHECKED BY: P. WAHL				REVISION:	
PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC. ONE PENN PLAZA, NEW YORK, NY 10119			APPROVED BY: H. L. BERLINER					
REV	DESCRIPTION	DATE	APPROVED					



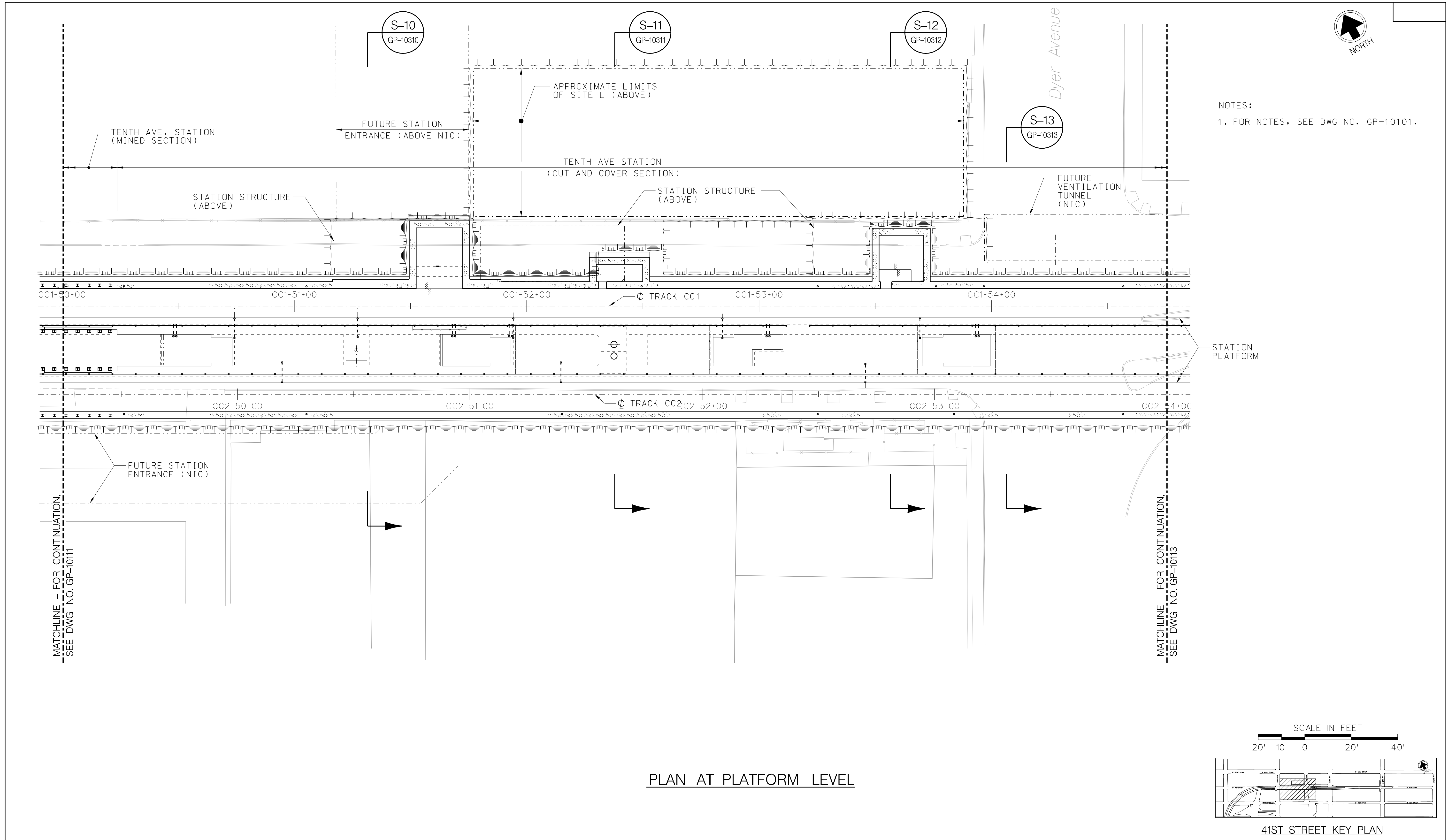
- NOTES:
1. FOR ADDITIONAL NOTES, SEE DWG NO. GP-10101.
 2. FOR HORIZONTAL AND VERTICAL OFFSETS BETWEEN CENTER LINE OF TRACKS AND TUNNELS SEE TRACK ALIGNMENT DWGS.



41ST STREET KEY PLAN

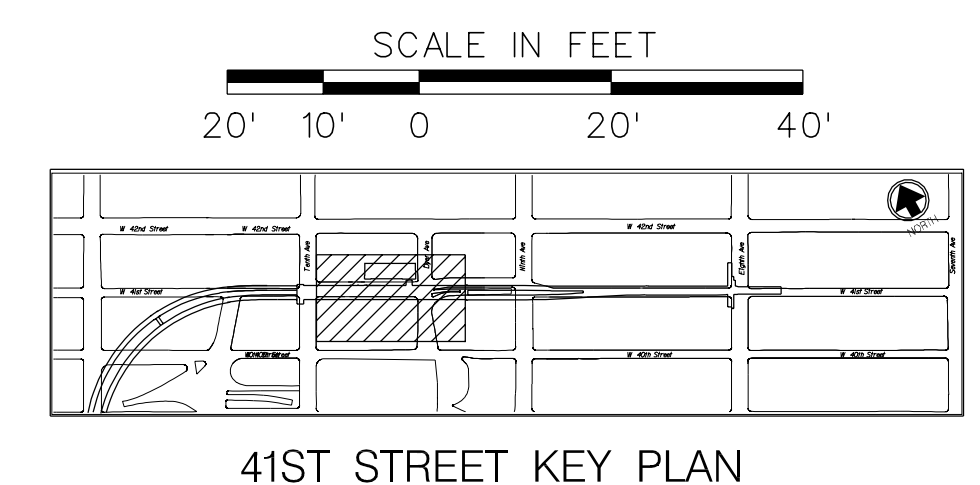
PLAN AT PLATFORM LEVEL

	<p>New York City Transit Capital Construction</p>	<p>HYDC Hudson Yards Development Corporation</p>	REV	DESCRIPTION	DATE	APPROVED	DESIGNED BY: K. UPPAL		<p>CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-44+50 TO STA. CC2-49+25 SHEET 11</p>	DATE: JAN 19, 2007
<p>IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.</p>							CHECKED BY: P. WAHL		REVISION:	
							APPROVED BY: H. L. BERLINER			



NOTES:
1. FOR NOTES, SEE DWG NO. GP-10101.

PLAN AT PLATFORM LEVEL

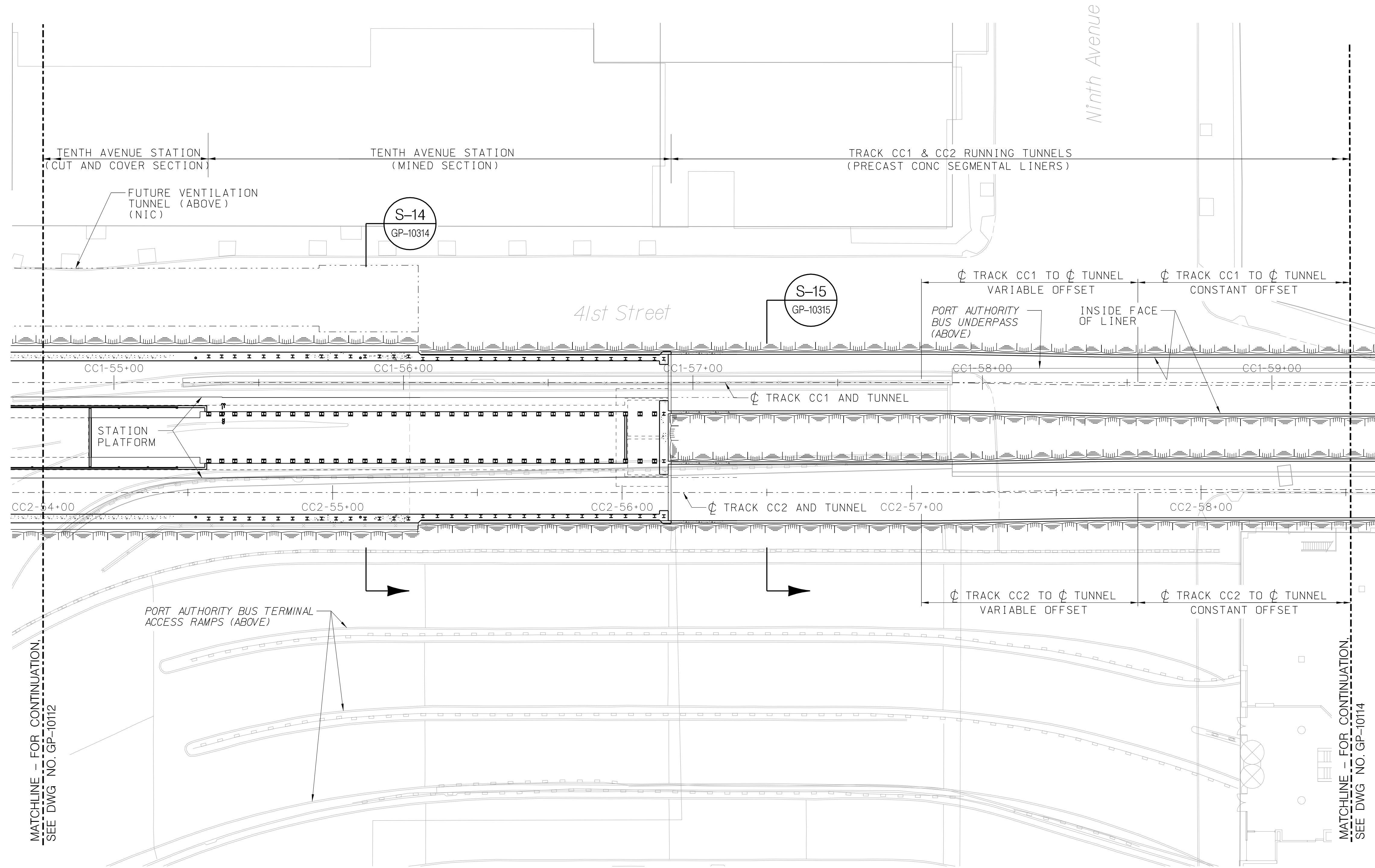


	<p>New York City Transit Capital Construction</p> <p>HYDC Hudson Yards Development Corporation</p>	<p>IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.</p>	REV	DESCRIPTION	DATE	APPROVED	DESIGNED BY: K. UPPAL DRAWN BY: D. TARECTECAN CHECKED BY: P. WAHL APPROVED BY: H. L. BERLINER	<p>CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-49+25 TO STA. CC2-54+00 SHEET 12</p>	DATE: JAN 19, 2007 DRAWING No. GP-10112 REVISION:

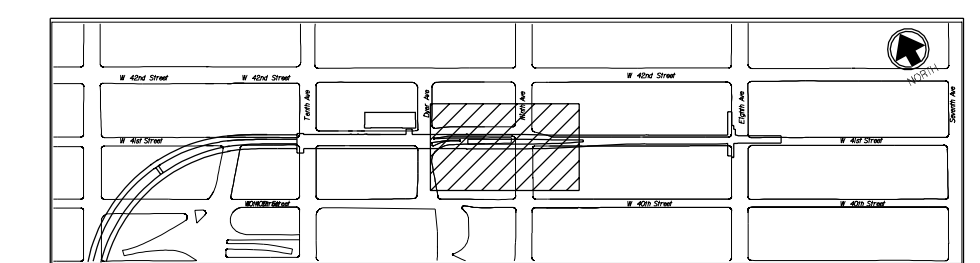


NOTES:

1. FOR ADDITIONAL NOTES, SEE DWG NO. GP-10101.
2. FOR HORIZONTAL AND VERTICAL OFFSETS BETWEEN CENTER LINE OF TRACKS AND TUNNELS SEE TRACK ALIGNMENT DWGS.



PLAN AT PLATFORM LEVEL

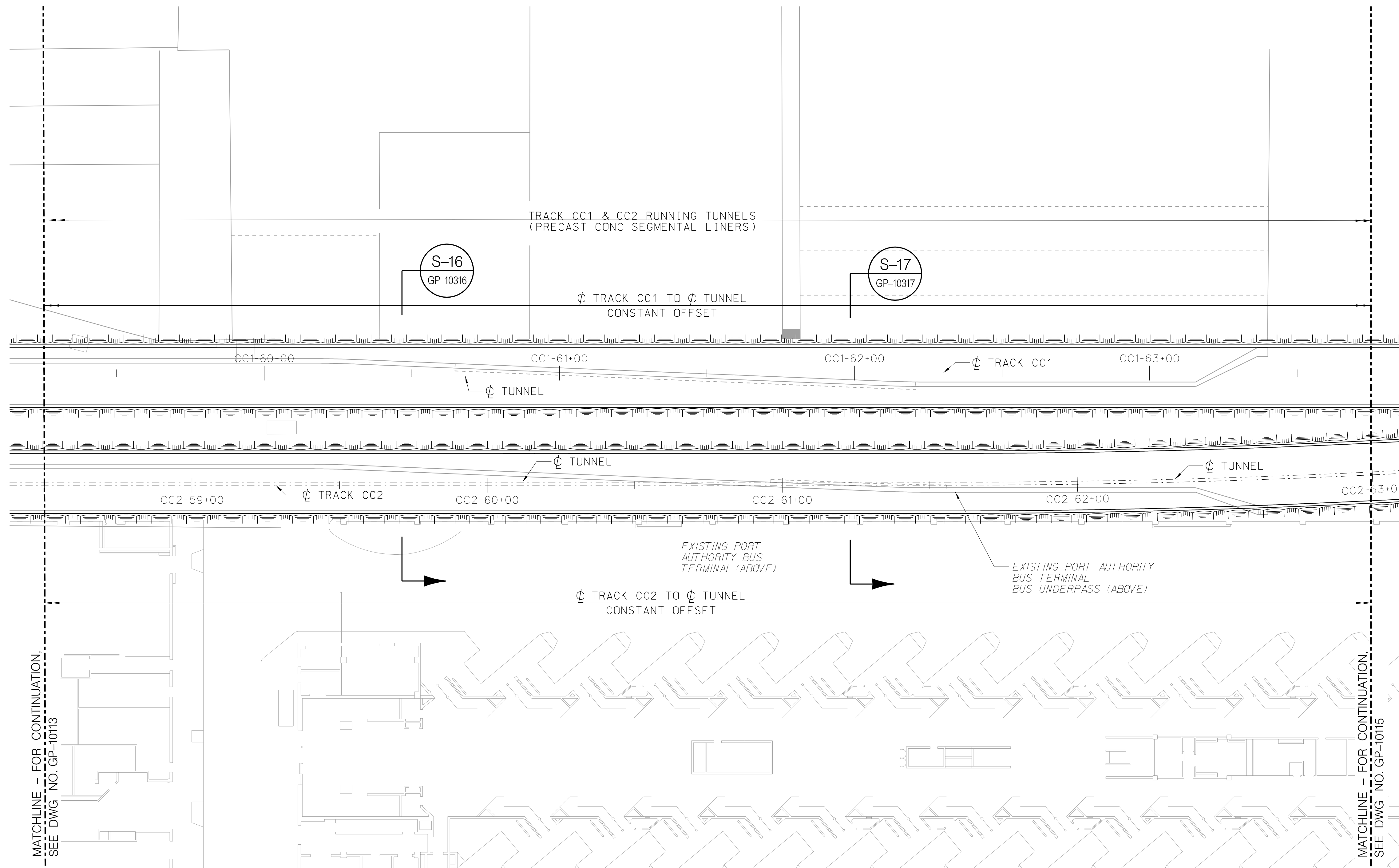


41ST STREET KEY PLAN

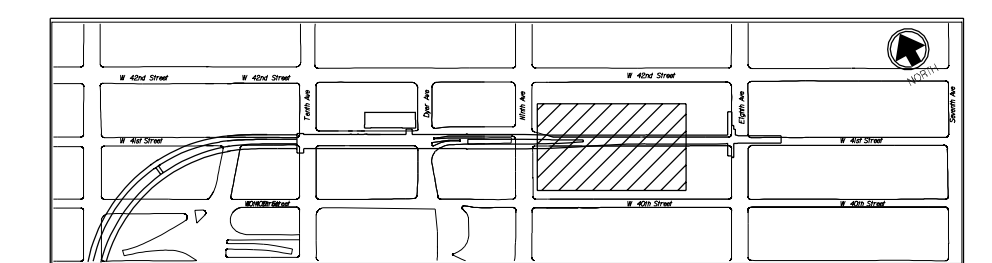
		New York City Transit Capital Construction	 Hudson Yards Development Corporation	DESIGNED BY:	K. UPPAL	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-54+00 TO STA. CC2-58+50 SHEET 13	DATE:	JAN 19, 2007
				DRAWN BY:	D. TARECTECAN		DRAWING No.	GP-10113
IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.				CHECKED BY:	P. WAHL	REVISION:		
REV	DESCRIPTION	DATE	APPROVED	APPROVED BY:	H. L. BERLINER			



- NOTES:
1. FOR ADDITIONAL NOTES, SEE DWG NO. GP-10101.
 2. FOR HORIZONTAL AND VERTICAL OFFSETS BETWEEN CENTER LINE OF TRACKS AND TUNNELS SEE TRACK ALIGNMENT DWGS.

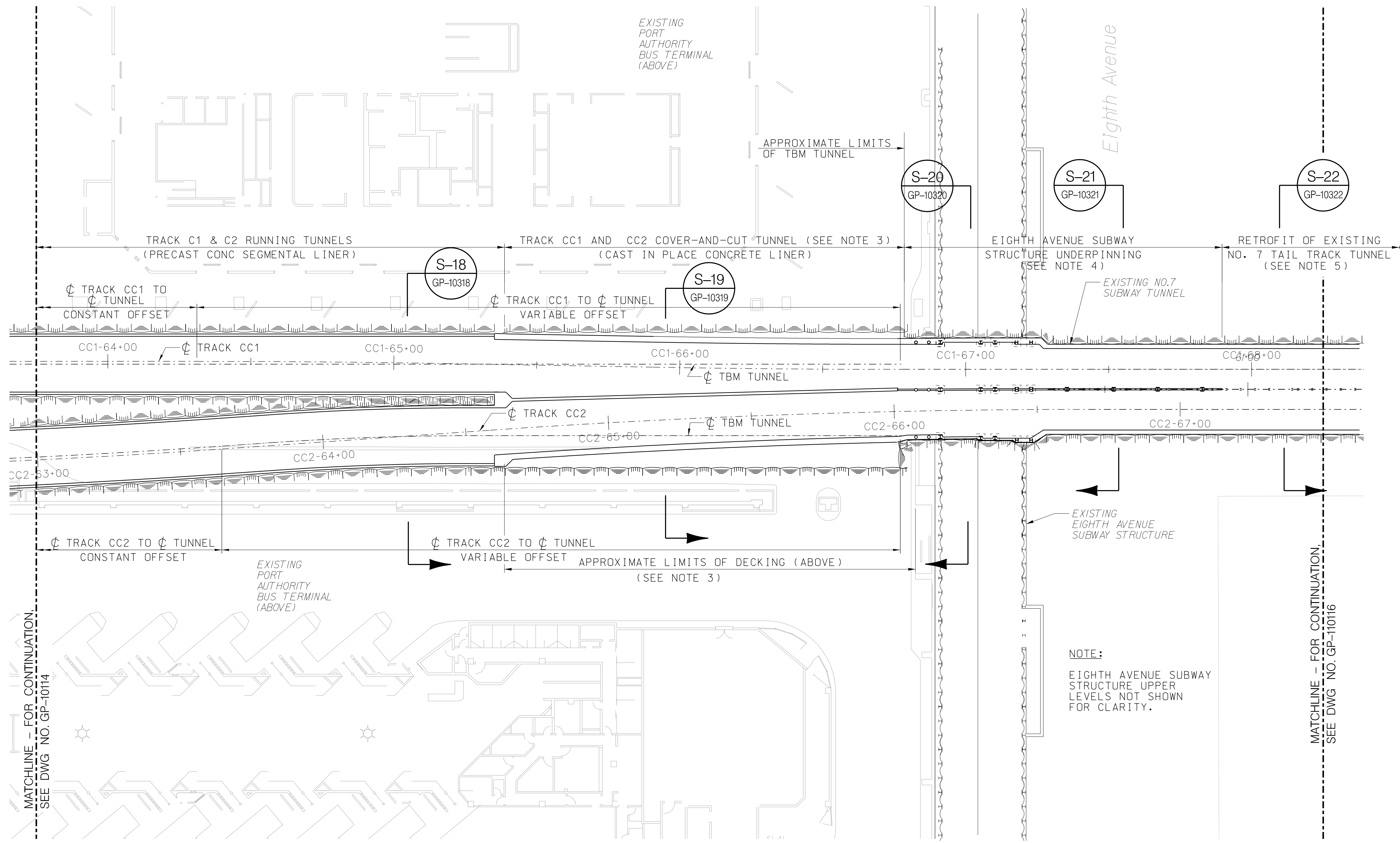


PLAN AT SPRING LINE LEVEL



41ST STREET KEY PLAN

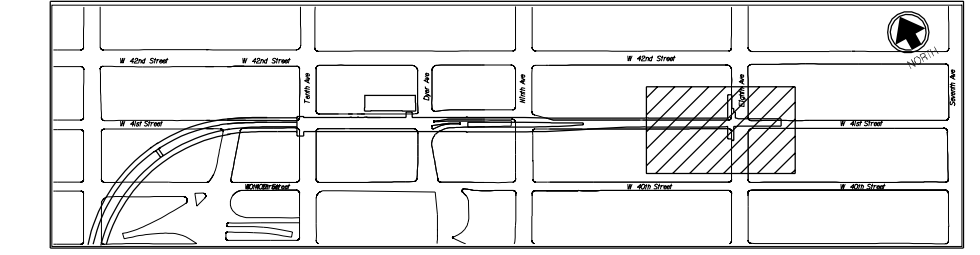
			DESIGNED BY: K. LUPPAL	<p>CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-58+50 TO STA. CC2-63+00 SHEET 14</p>	DATE: JAN 19, 2007
			DRAWN BY: D. TARECTECAN		DRAWING No. GP-10114
CHECKED BY: P. WAHL	REVISION:				
APPROVED BY: H. L. BERLINER					
REV	DESCRIPTION	DATE	APPROVED		



- NOTE:
1. FOR ADDITIONAL NOTES, SEE DWG NO. GP-10101.
 2. FOR HORIZONTAL AND VERTICAL OFFSETS BETWEEN CENTER LINE OF TRACKS AND TUNNELS SEE TRACK ALIGNMENT DWGS.
 3. FOR DETAILS OF DECKING AND COVER AND CUT TUNNEL, SEE DWG NOS ST-91111 THROUGH ST-91531.
 4. FOR DETAILS OF EIGHT AVE. SUBWAY STRUCTURE UNDERPINNING, SEE DWG NOS. ST-92101 THROUGH ST-92565.
 5. FOR DETAILS OF NO. 7 TAIL TRACK TUNNEL RETROFIT, SEE DWG NOS. ST-93111 THROUGH ST-93351.

NOTE:
EIGHTH AVENUE SUBWAY STRUCTURE UPPER LEVELS NOT SHOWN FOR CLARITY.

PLAN AT SPRING LINE LEVEL



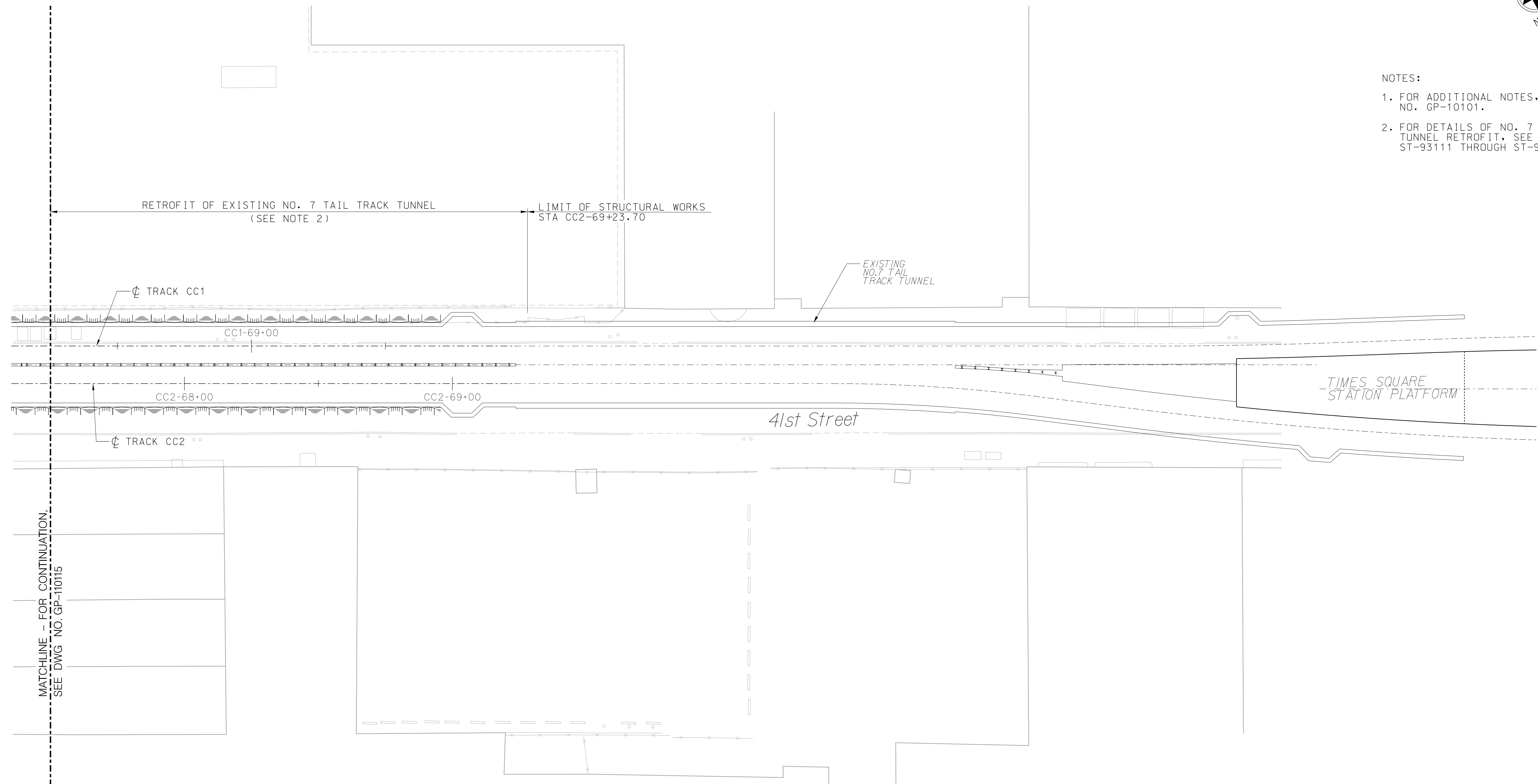
41ST STREET KEY PLAN

New York City Transit Capital Construction	Hudson Yards Development Corporation	DESIGNED BY: K. UPPAL	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-63+00 TO STA. CC2-67+50 SHEET 15	DATE: JAN 19, 2007
		DRAWN BY: D. TARECTECAN		DRAWING No. GP-10115
IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.		CHECKED BY: P. WAHL	APPROVED BY: H. L. BERLINER	REVISION:
REV	DESCRIPTION	DATE		APPROVED

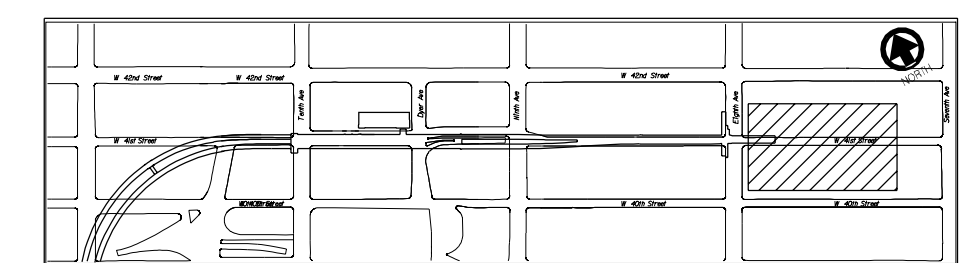


NOTES:

1. FOR ADDITIONAL NOTES, SEE DWG NO. GP-10101.
2. FOR DETAILS OF NO. 7 TAIL TRACK TUNNEL RETROFIT, SEE DWG NOS. ST-93111 THROUGH ST-93351.

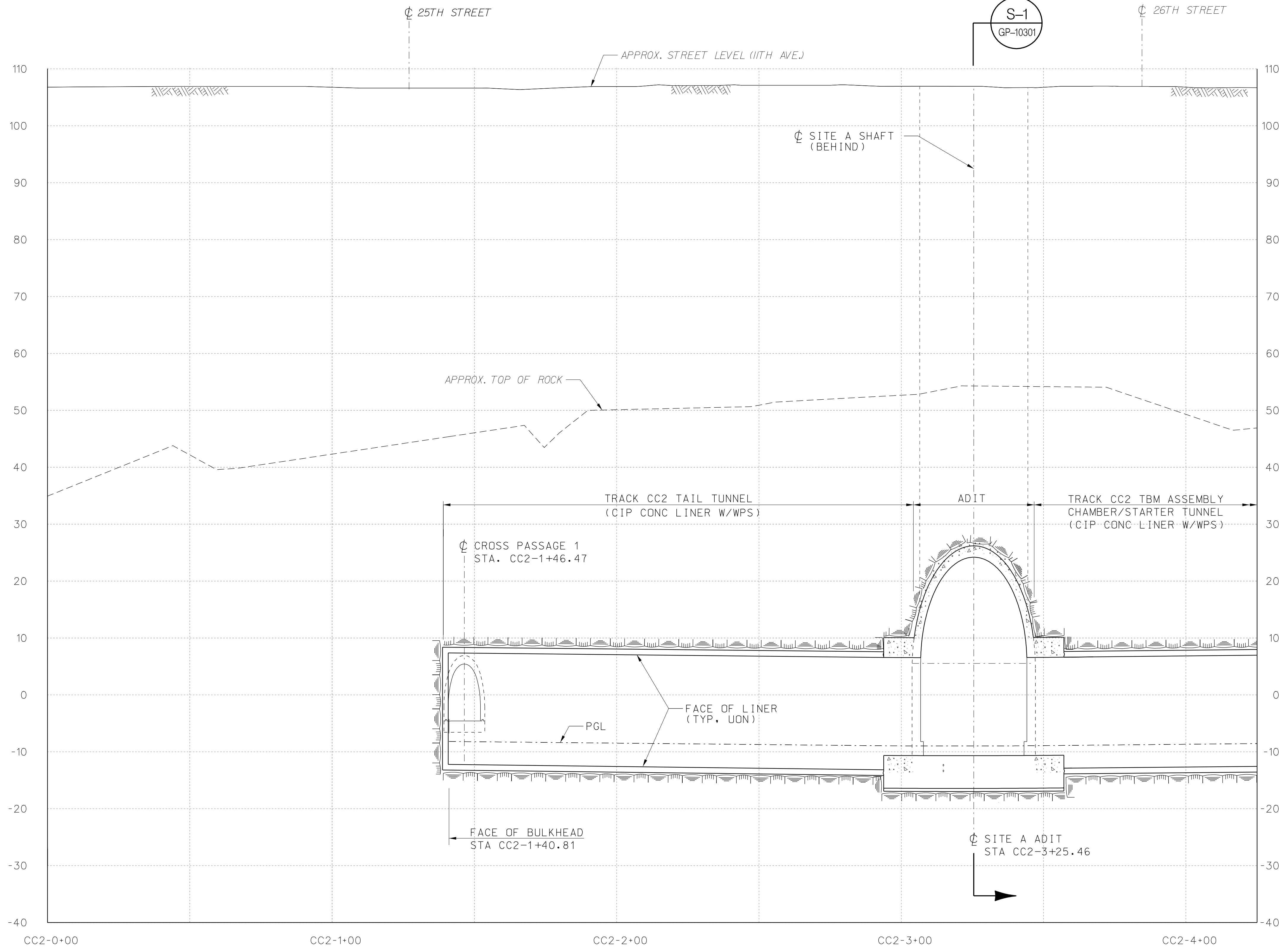


PLAN AT SPRING LINE LEVEL

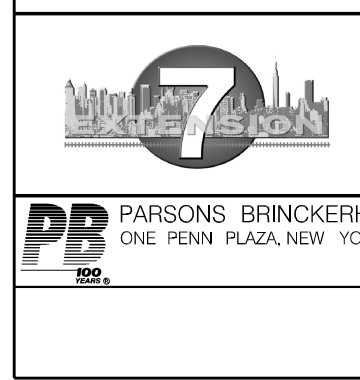
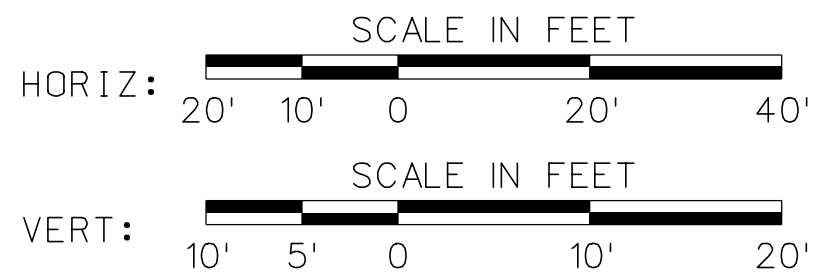


41ST STREET KEY PLAN

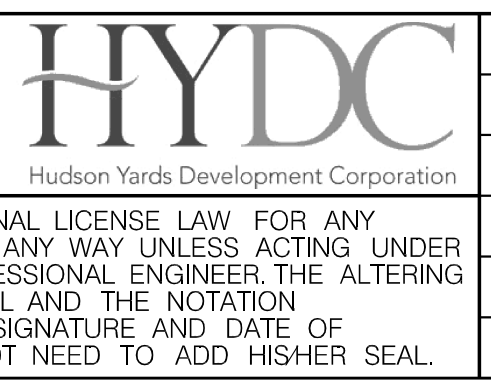
			<p>DESIGNED BY: K. UPPAL</p>				<p>CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PLAN STA. CC2-67+50 TO STA. CC2-69+23.70 SHEET 16</p>	<p>DATE: JAN 19, 2007</p>
			<p>DRAWN BY: D. TARETECAN</p>					<p>DRAWING No. GP-10116</p>
<p>CHECKED BY: P. WAHL</p>				<p>REVISION:</p>				
<p>APPROVED BY: H. L. BERLINER</p>				REV	DESCRIPTION	DATE		APPROVED



NOTES:
 1. FOR ADDITIONAL NOTES, SEE DWG NO GP-10101.



**New York City Transit
 Capital Construction**



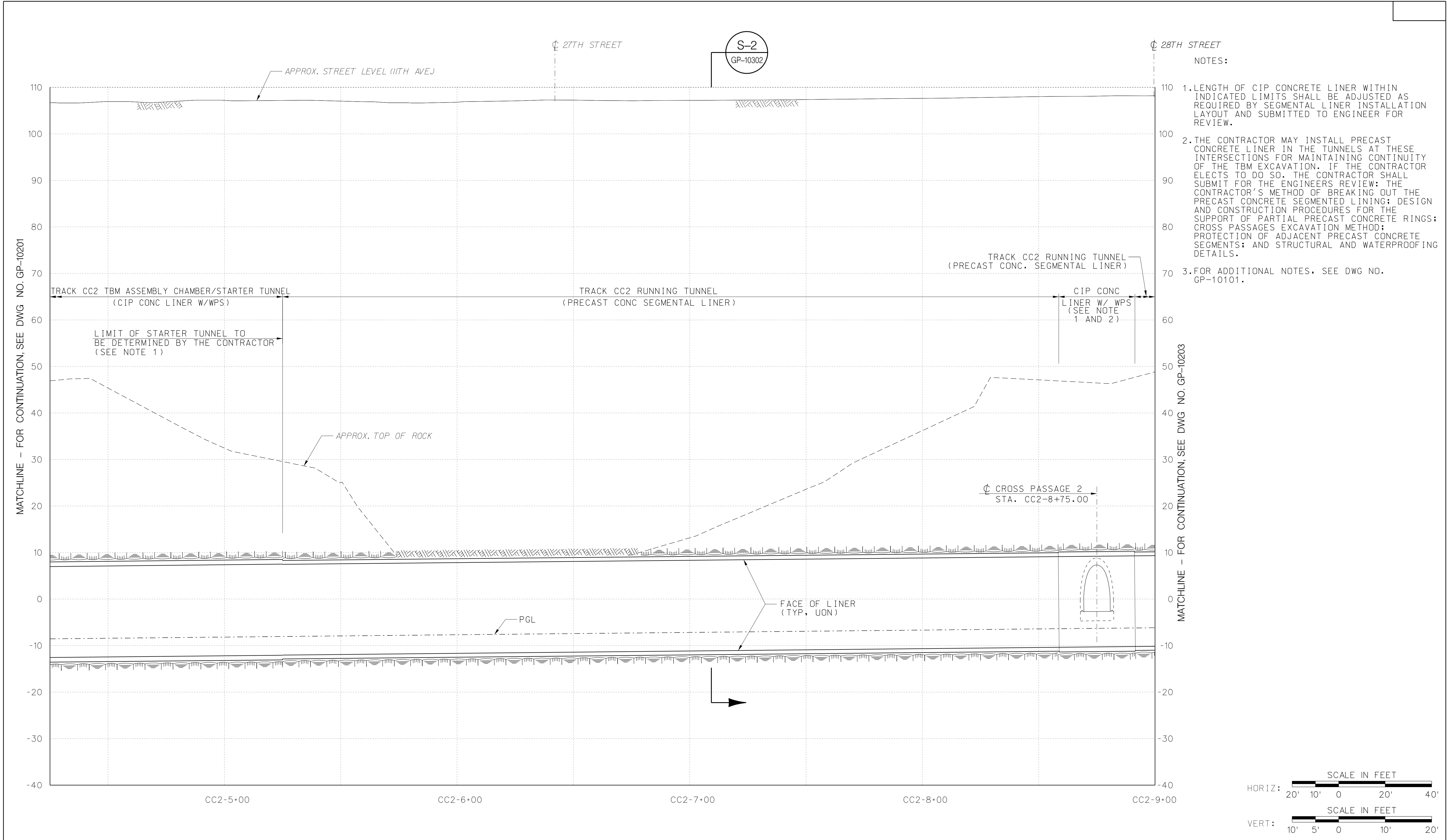
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REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY:	K. UPPAL
DRAWN BY:	D. TARECTECAN
CHECKED BY:	P. WAHL
APPROVED BY:	H. L. BERLINER

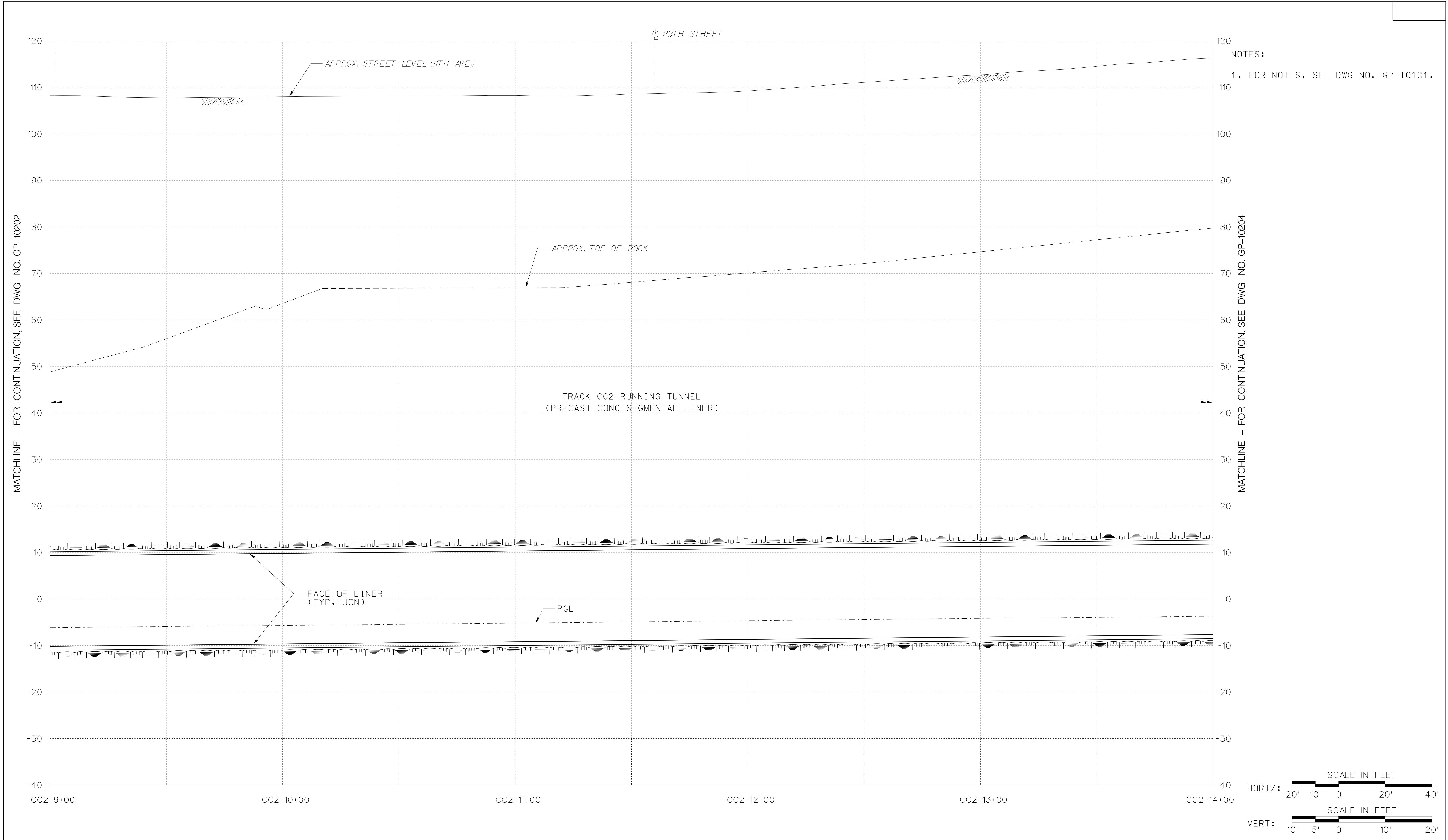
CONTRACT C-26503
 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
 NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC2
 STA. CC2-1 + 40.81 TO STA. CC2-4 + 25
 SHEET 1

DATE:	JAN 19, 2007
DRAWING No.	GP-10201
REVISION:	

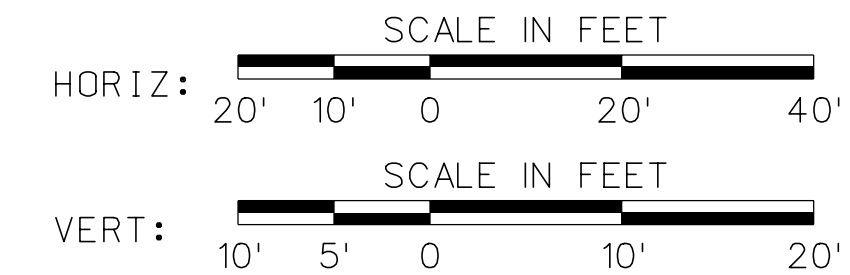


- NOTES:
1. LENGTH OF CIP CONCRETE LINER WITHIN INDICATED LIMITS SHALL BE ADJUSTED AS REQUIRED BY SEGMENTAL LINER INSTALLATION LAYOUT AND SUBMITTED TO ENGINEER FOR REVIEW.
 2. THE CONTRACTOR MAY INSTALL PRECAST CONCRETE LINER IN THE TUNNELS AT THESE INTERSECTIONS FOR MAINTAINING CONTINUITY OF THE TBM EXCAVATION. IF THE CONTRACTOR ELECTS TO DO SO, THE CONTRACTOR SHALL SUBMIT FOR THE ENGINEERS REVIEW: THE CONTRACTOR'S METHOD OF BREAKING OUT THE PRECAST CONCRETE SEGMENTED LINING; DESIGN AND CONSTRUCTION PROCEDURES FOR THE SUPPORT OF PARTIAL PRECAST CONCRETE RINGS; CROSS PASSAGES EXCAVATION METHOD; PROTECTION OF ADJACENT PRECAST CONCRETE SEGMENTS; AND STRUCTURAL AND WATERPROOFING DETAILS.
 3. FOR ADDITIONAL NOTES, SEE DWG NO. GP-10101.

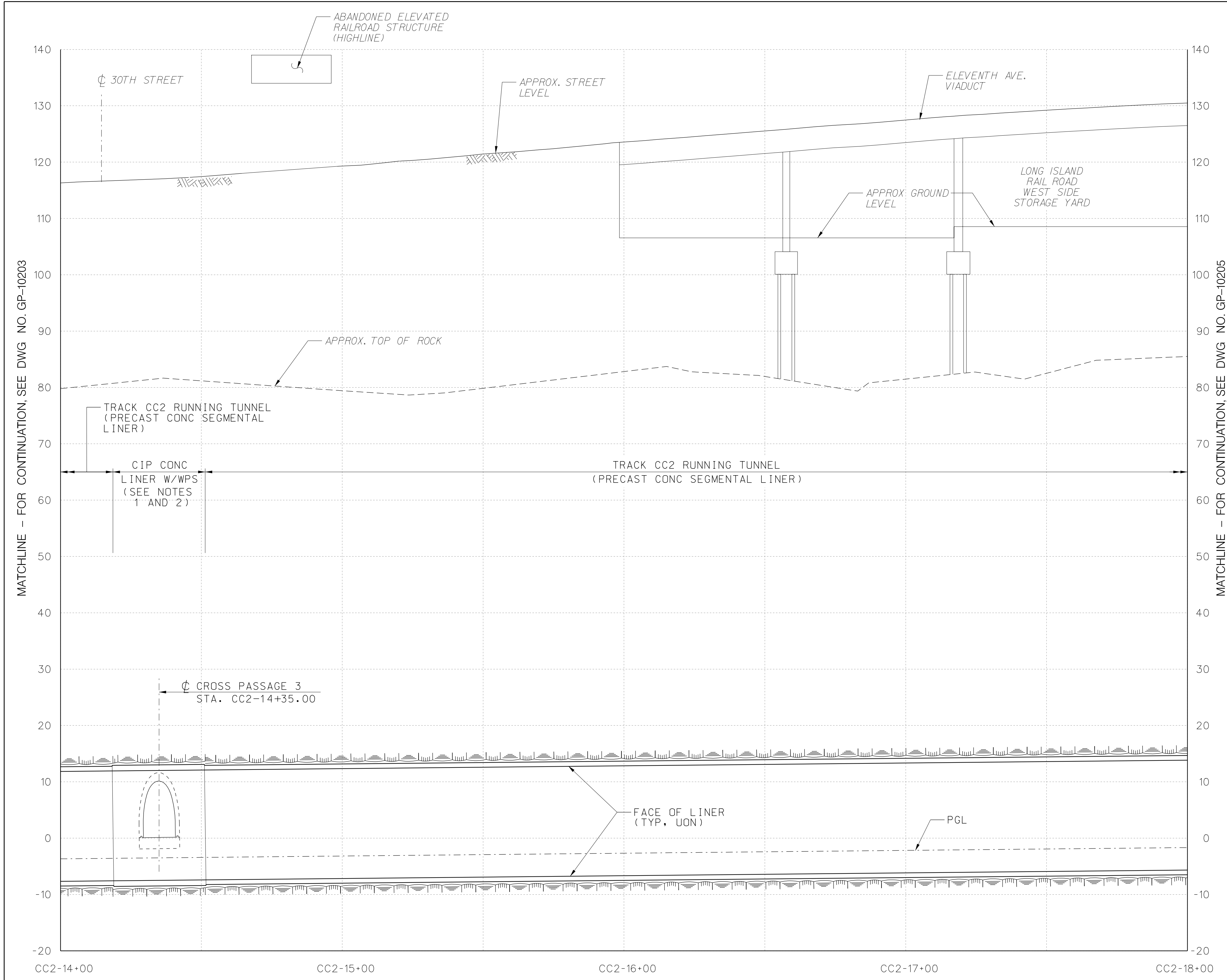
	<p>IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.</p>	DESIGNED BY:	K. UPPAL	<p>CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PROFILE - TRACK CC2 STA. CC2-4+25 TO STA. CC2-9+00 SHEET 2</p>	DATE:	JAN 19, 2007
		DRAWN BY:	D. TARECTECAN		DRAWING No.	GP-10202
CHECKED BY:	P. WAHL	REVISION:				
APPROVED BY:	H. L. BERLINER					
REV	DESCRIPTION	DATE	APPROVED			



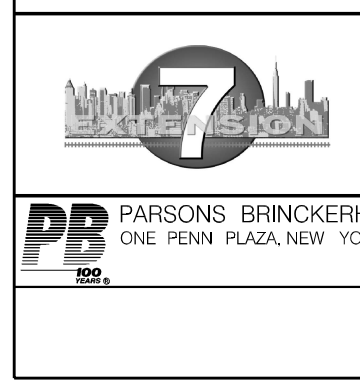
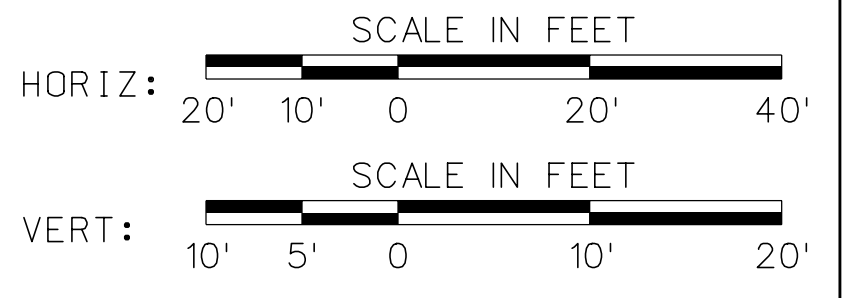
NOTES:
 1. FOR NOTES, SEE DWG NO. GP-10101.



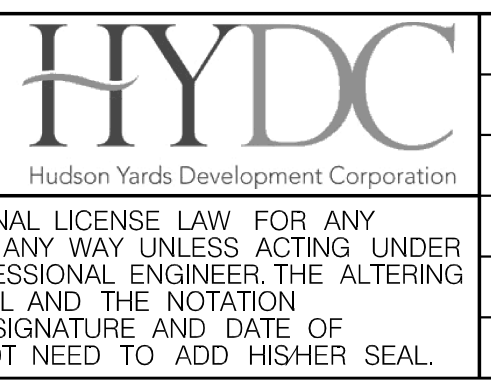
	New York City Transit Capital Construction	 <small>Hudson Yards Development Corporation</small>								CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PROFILE - TRACK CC2 STA. CC2-9+00 TO STA. CC2-14+00 SHEET 3	DATE: JAN 19, 2007																	
			PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC. <small>ONE PENN PLAZA, NEW YORK, NY 10119</small>	IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;">REV</th> <th style="width:40%;">DESCRIPTION</th> <th style="width:15%;">DATE</th> <th style="width:40%;">APPROVED</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	REV	DESCRIPTION	DATE	APPROVED														<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">DESIGNED BY: K. UPPAL</td> <td style="width:30%;"></td> </tr> <tr> <td>DRAWN BY: D. TARETECAN</td> <td></td> </tr> <tr> <td>CHECKED BY: P. WAHL</td> <td></td> </tr> <tr> <td>APPROVED BY: H. L. BERLINER</td> <td></td> </tr> </table>	DESIGNED BY: K. UPPAL		DRAWN BY: D. TARETECAN		CHECKED BY: P. WAHL
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- NOTES:
1. LENGTH OF CIP CONCRETE LINER WITHIN INDICATED LIMITS SHALL BE ADJUSTED AS REQUIRED BY SEGMENTAL LINER INSTALLATION LAYOUT AND SUBMITTED TO ENGINEER FOR REVIEW.
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 3. FOR ADDITIONAL NOTES, SEE DWG NO. GP-10101.



New York City Transit Capital Construction



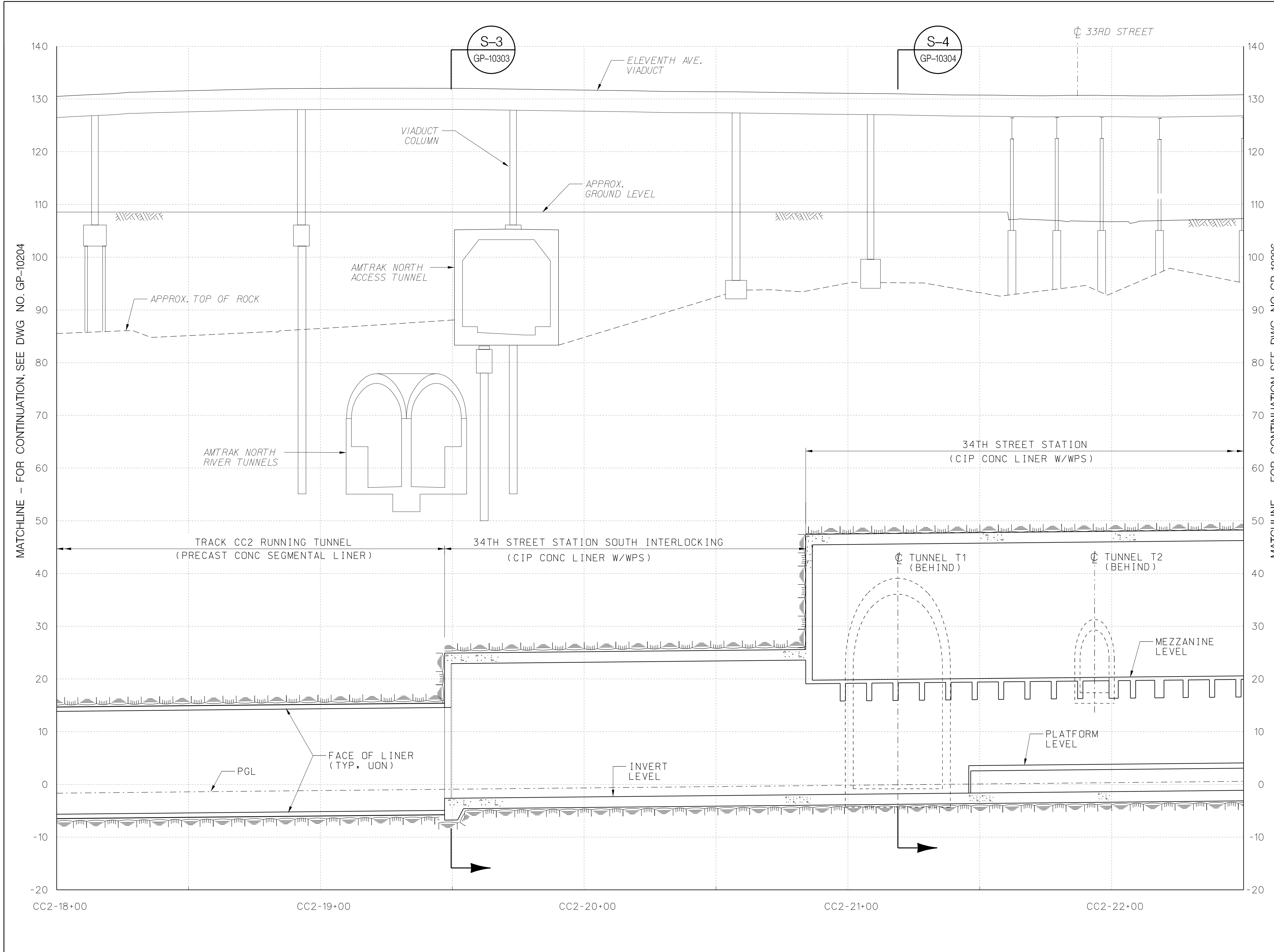
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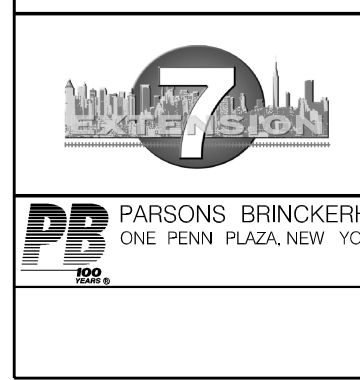
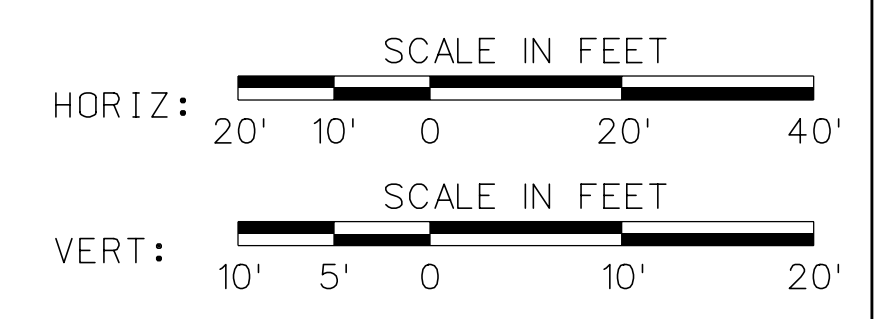
DESIGNED BY: K. UPPAL	
DRAWN BY: D. TARECTECAN	
CHECKED BY: P. WAHL	
APPROVED BY: H. L. BERLINER	

CONTRACT C-26503
 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
 NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC2
 STA. CC2-14+00 TO STA. CC2-18+00
 SHEET 4

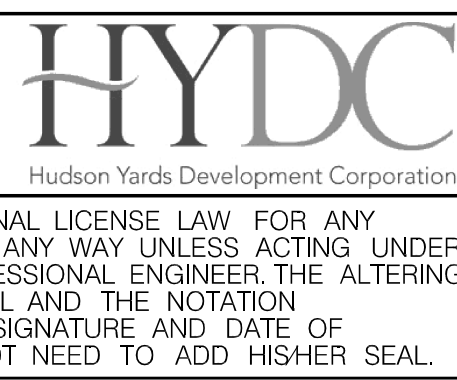
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DRAWING No. GP-10204
REVISION:



NOTES:
 1. FOR NOTES, SEE DWG NO GP-10101.



**New York City Transit
 Capital Construction**



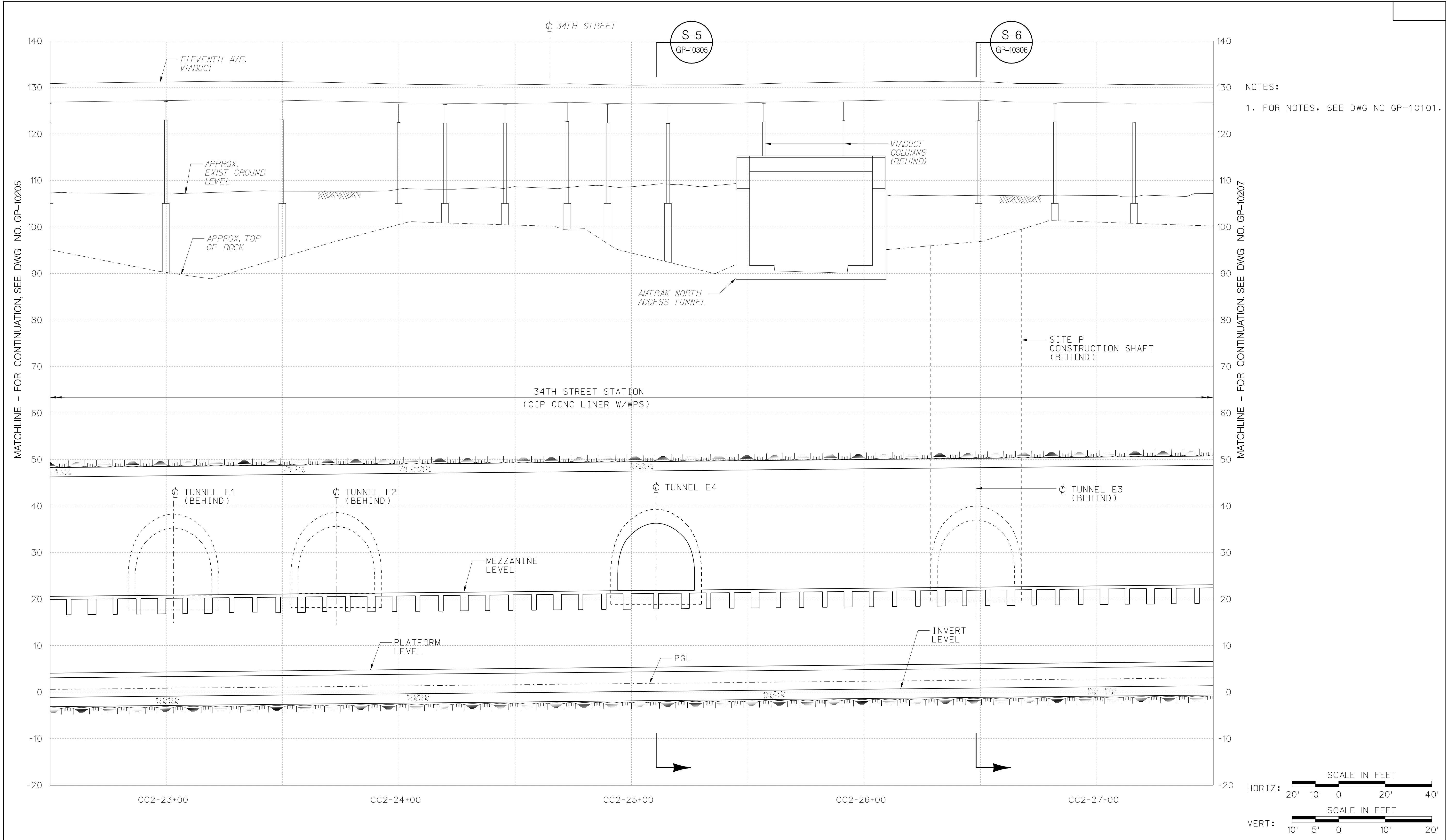
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REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY: K. UPPAL	
DRAWN BY: D. TARECTECAN	
CHECKED BY: P. WAHL	
APPROVED BY: H. L. BERLINER	

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC2
 STA. CC2-18+00 TO STA. CC2-22+50
SHEET 5

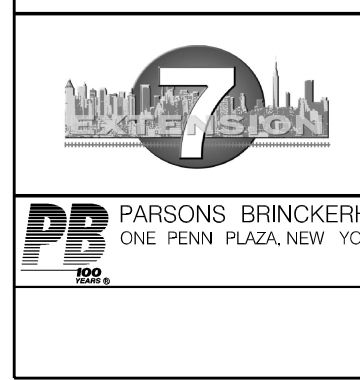
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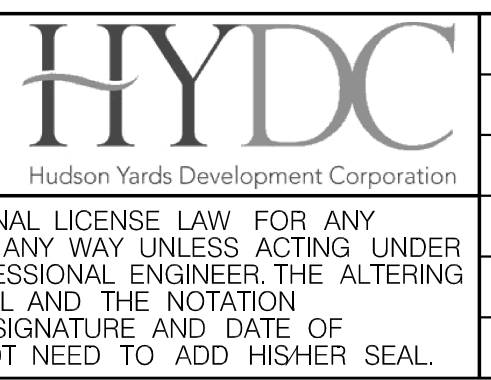
NOTES:
 1. FOR NOTES, SEE DWG NO GP-10101.

MATCHLINE - FOR CONTINUATION, SEE DWG NO. GP-10205

MATCHLINE - FOR CONTINUATION, SEE DWG NO. GP-10207



**New York City Transit
 Capital Construction**



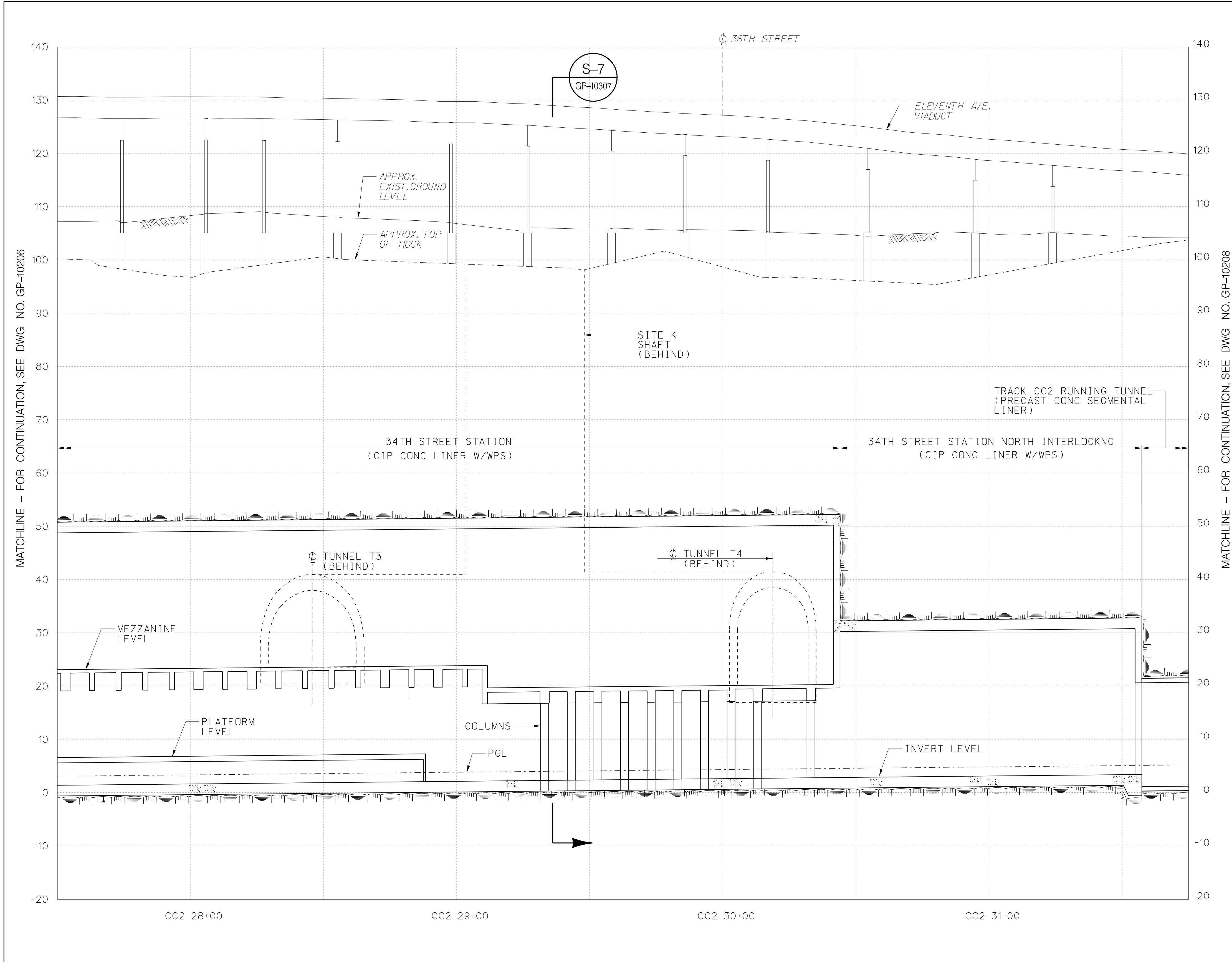
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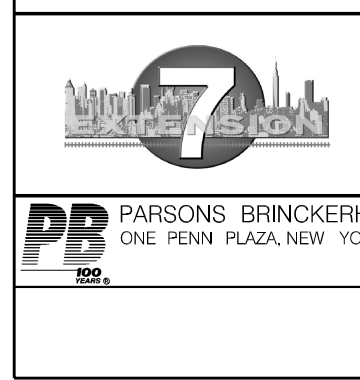
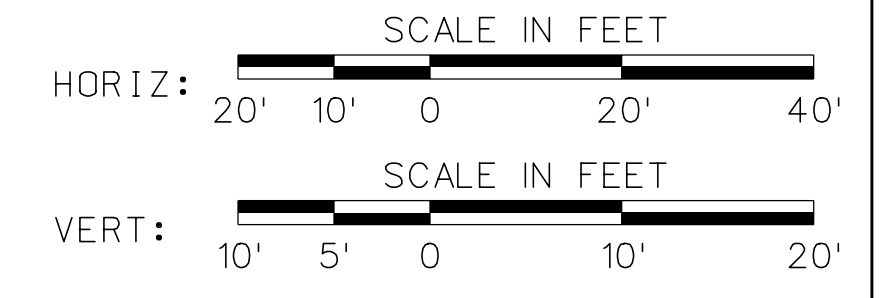
DESIGNED BY:
K. UPPAL
 DRAWN BY:
D. TARECTECAN
 CHECKED BY:
P. WAHL
 APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
 NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC2
 STA. CC2-22+50 TO STA. CC2-27+50
 SHEET 6

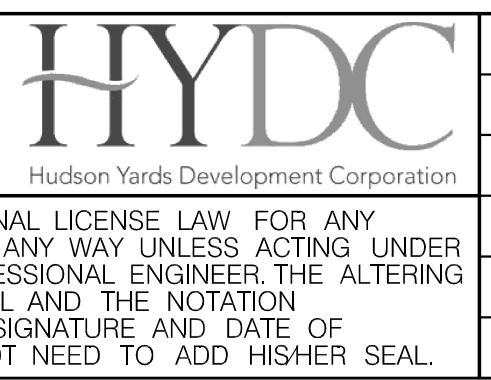
DATE:
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GP-10206
 REVISION:



NOTES:
 1. FOR NOTES, SEE DWG NO GP-10101.



**New York City Transit
 Capital Construction**



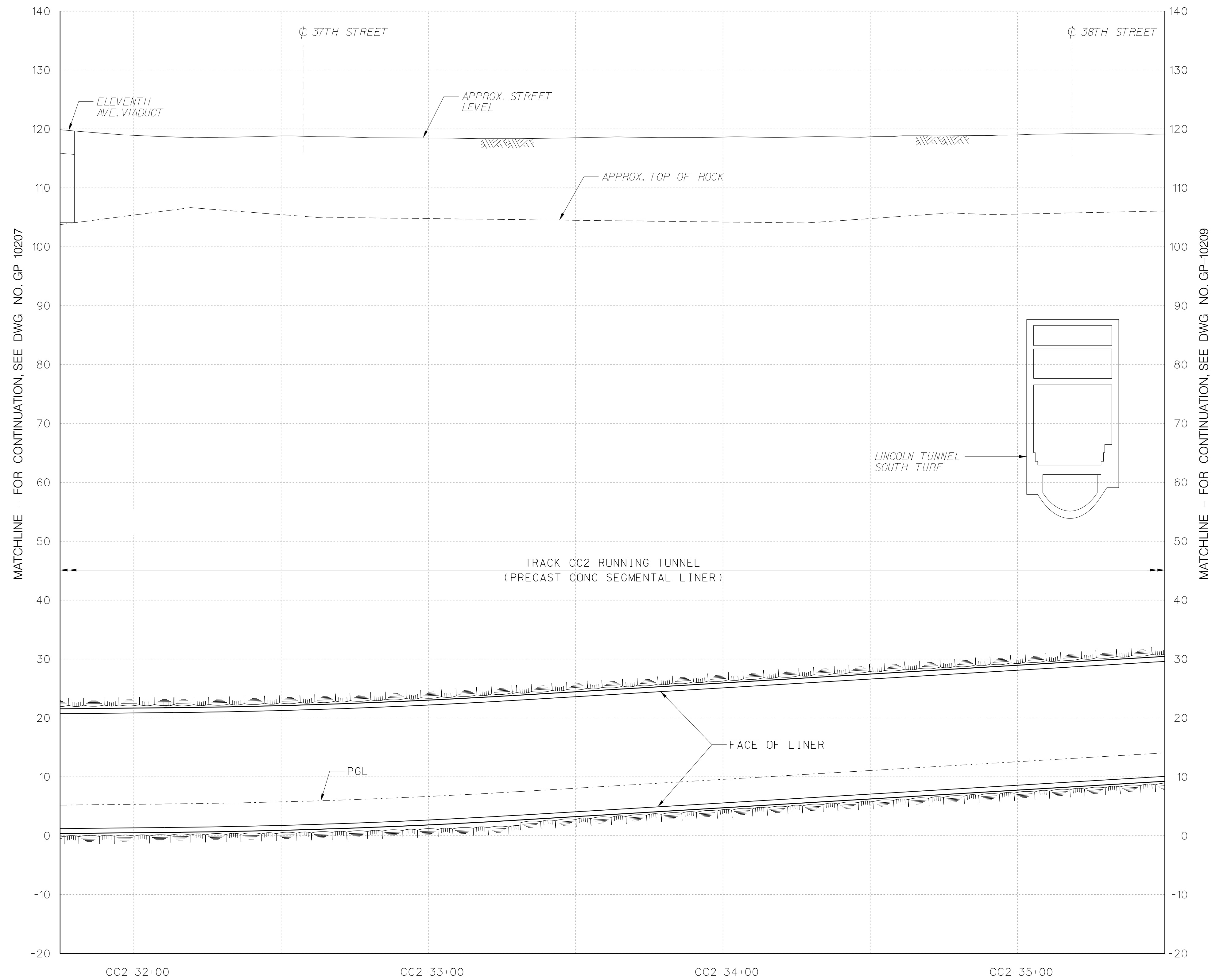
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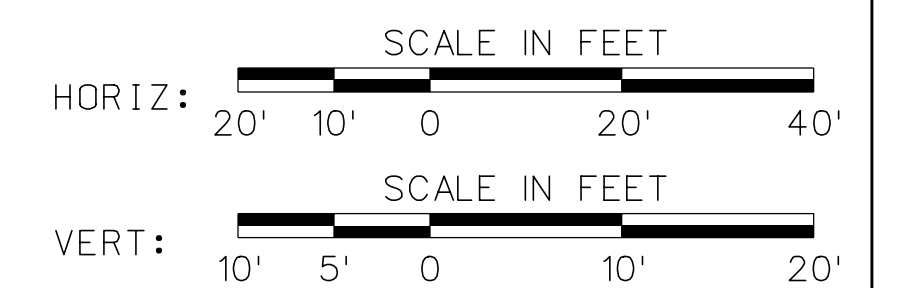
DESIGNED BY:
K. UPPAL
 DRAWN BY:
D. TARECTECAN
 CHECKED BY:
P. WAHL
 APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC2
 STA. CC2-27+50 TO STA. CC2-31+75
SHEET 7

DATE:
JAN 19, 2007
 DRAWING No.
GP-10207
 REVISION:



NOTES:
 1. FOR NOTES, SEE DWG NO GP-10101.



PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
 ONE PENN PLAZA, NEW YORK, NY 10119

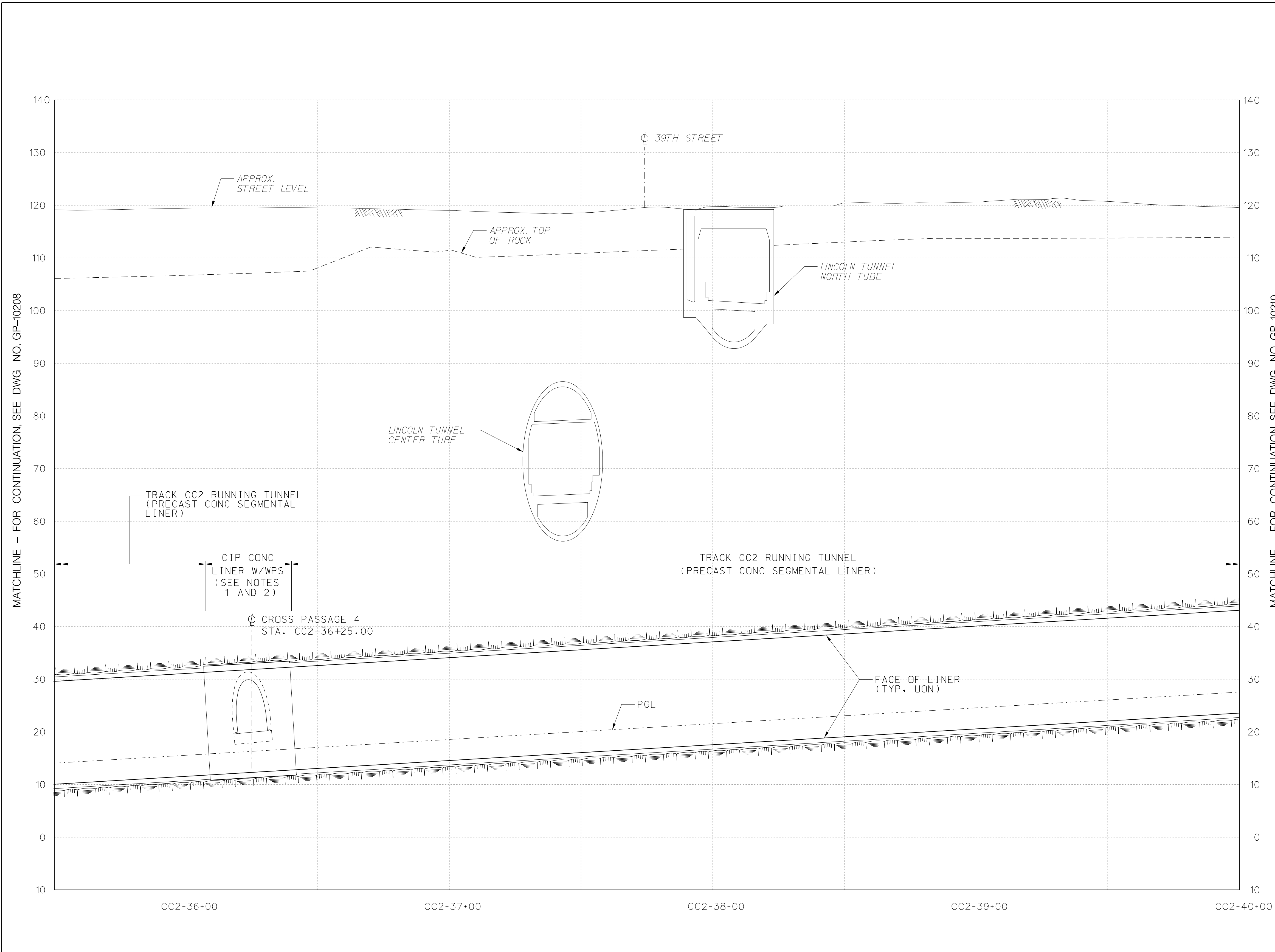
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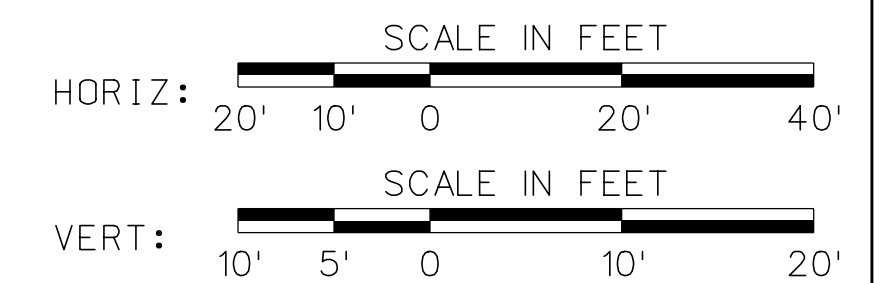
DESIGNED BY:
K. UPPAL
 DRAWN BY:
D. TARECTECAN
 CHECKED BY:
P. WAHL
 APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
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 GENERAL PROFILE - TRACK CC2
 STA. CC2-31+75 TO STA. CC2-35+50
 SHEET 8

DATE:
JAN 19, 2007
 DRAWING No.
GP-10208
 REVISION:



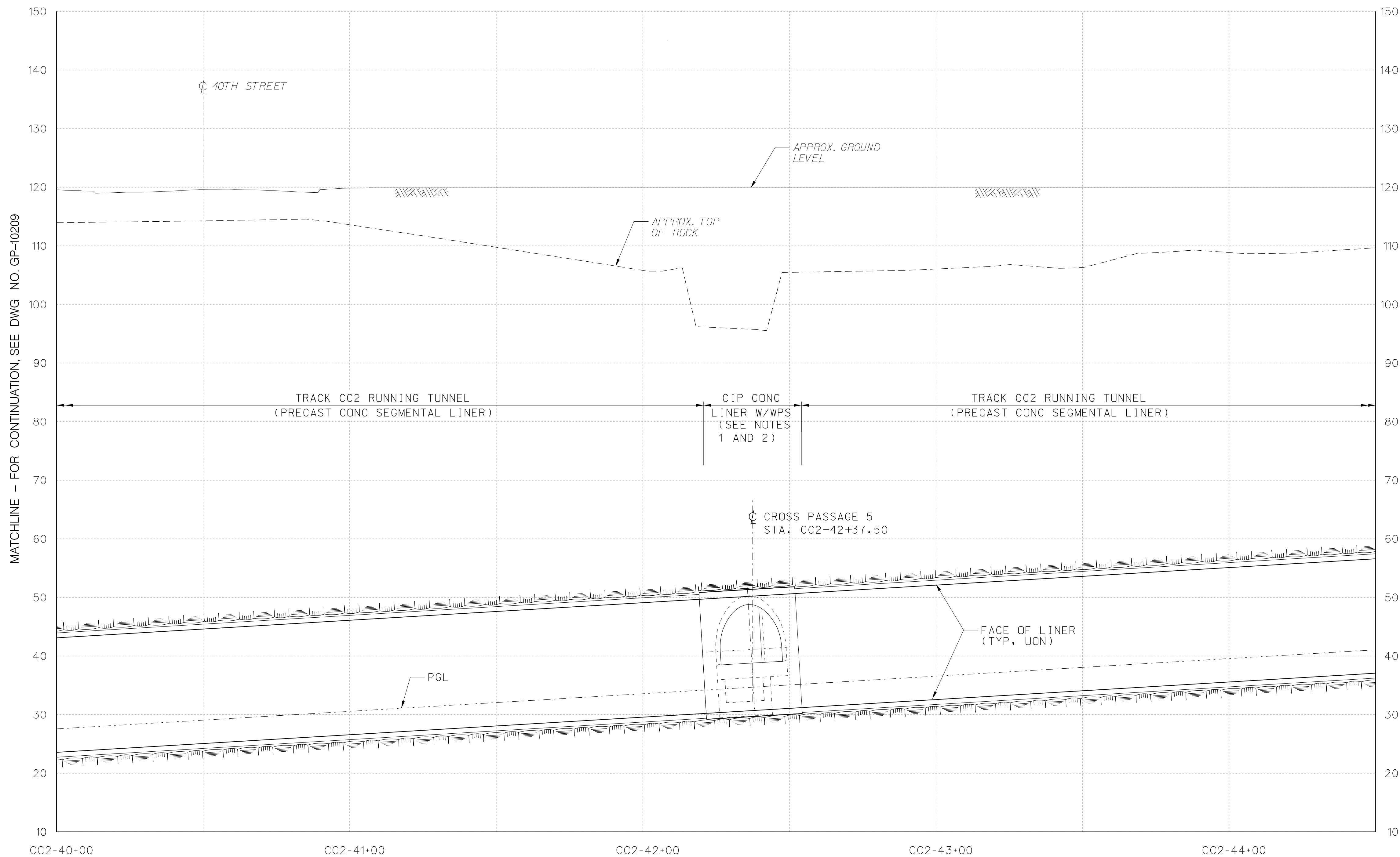
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 3. FOR ADDITIONAL NOTES, SEE DWG NO. GP-10101.



	<p>New York City Transit Capital Construction</p>	<p>HYDC Hudson Yards Development Corporation</p>	<table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	REV	DESCRIPTION	DATE	APPROVED																	<table border="1"> <tr><td>DESIGNED BY:</td><td>K. UPPAL</td></tr> <tr><td>DRAWN BY:</td><td>D. TARETECAN</td></tr> <tr><td>CHECKED BY:</td><td>P. WAHL</td></tr> <tr><td>APPROVED BY:</td><td>H. L. BERLINER</td></tr> </table>	DESIGNED BY:	K. UPPAL	DRAWN BY:	D. TARETECAN	CHECKED BY:	P. WAHL	APPROVED BY:	H. L. BERLINER	<p align="center">CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PROFILE - TRACK CC2 STA. CC2-35+50 TO STA. CC2-40+00 SHEET 9</p>	<table border="1"> <tr><td>DATE:</td><td>JAN 19, 2007</td></tr> <tr><td>DRAWING No.</td><td>GP-10209</td></tr> <tr><td>REVISION:</td><td> </td></tr> </table>	DATE:	JAN 19, 2007	DRAWING No.	GP-10209	REVISION:	
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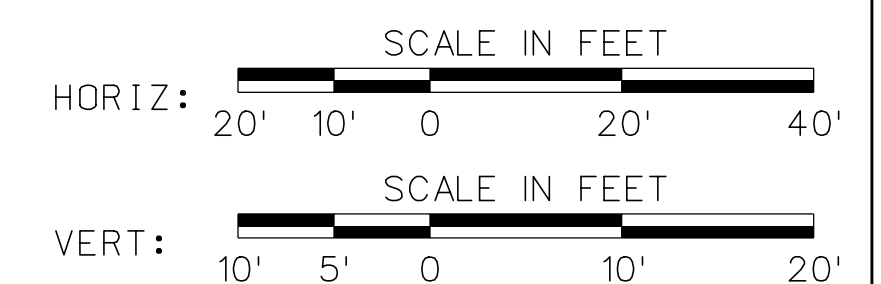
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3. FOR ADDITIONAL NOTES, SEE DWG NO. GP-10101.



MATCHLINE - FOR CONTINUATION, SEE DWG NO. GP-10209

MATCHLINE - FOR CONTINUATION, SEE DWG NO. GP-10211



PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
ONE PENN PLAZA, NEW YORK, NY 10119

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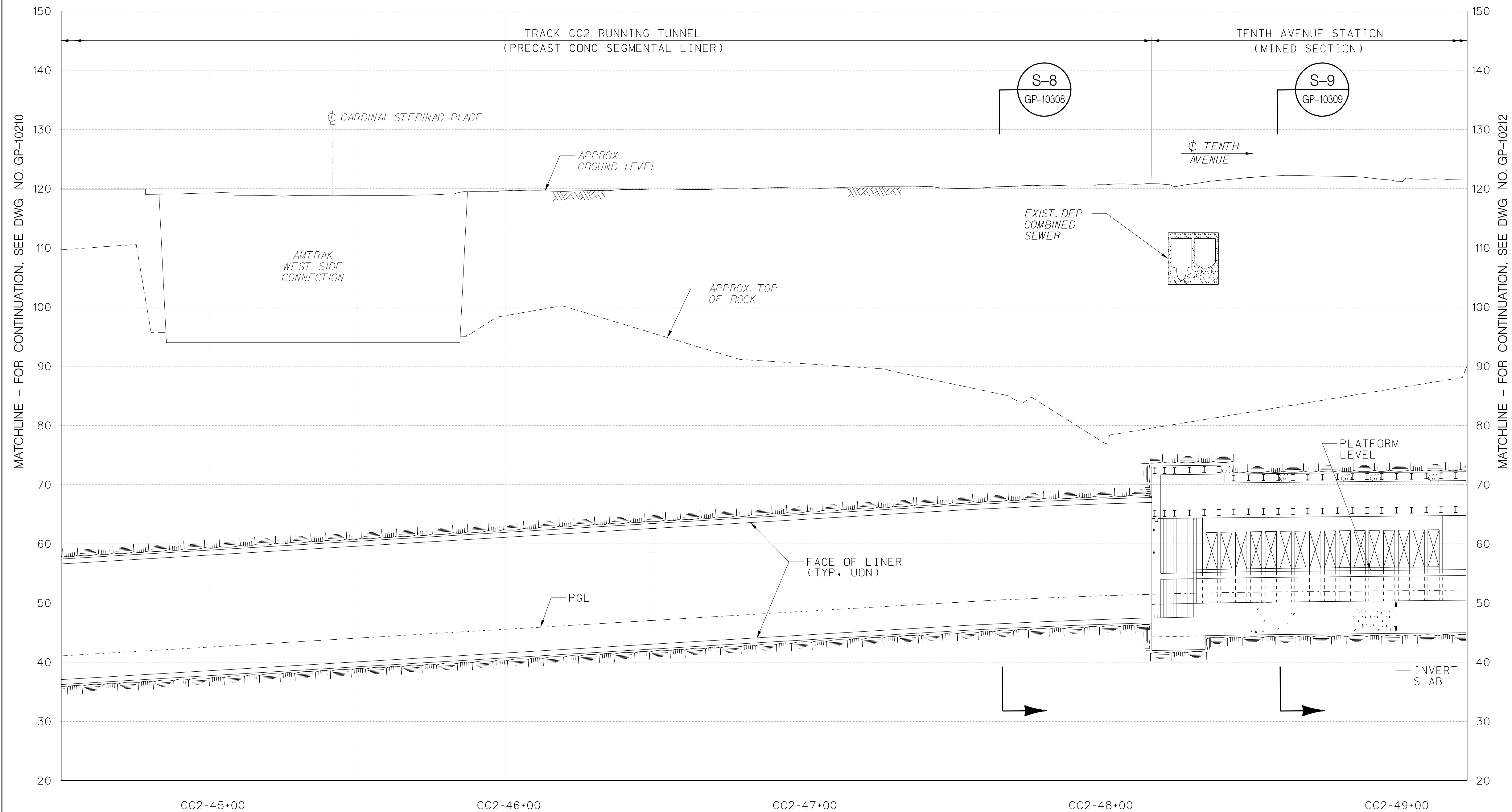
REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY: K. UPPAL	
DRAWN BY: D. TARECTECAN	
CHECKED BY: P. WAHL	
APPROVED BY: H. L. BERLINER	

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC2
STA. CC2-40+00 TO STA. CC2-44+50
SHEET 10

DATE: JAN 19, 2007
DRAWING No. GP-10210
REVISION:

NOTES:
 1. FOR NOTES, SEE DWG NO GP-10101.



MATCHLINE - FOR CONTINUATION, SEE DWG NO. GP-10210

MATCHLINE - FOR CONTINUATION, SEE DWG NO. GP-10212



PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
 ONE PENN PLAZA, NEW YORK, NY 10119

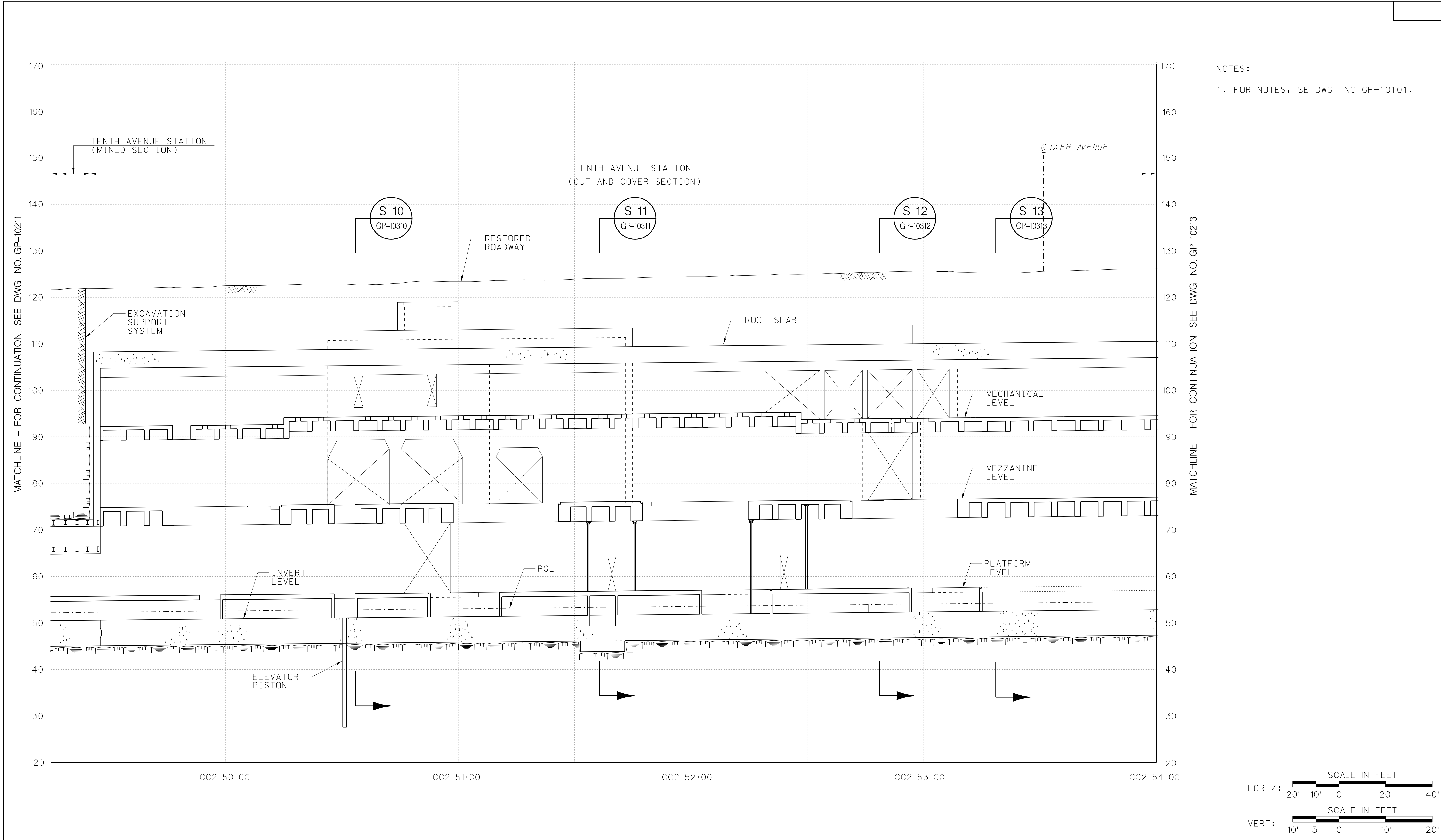
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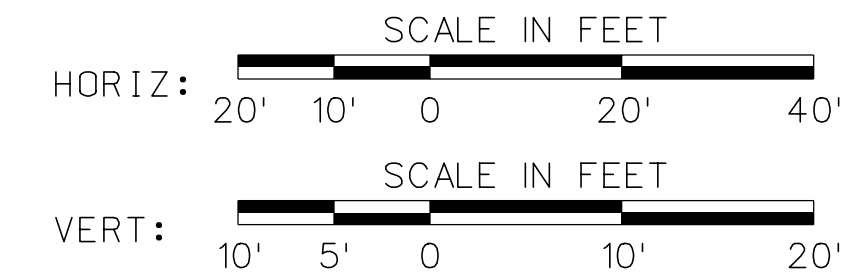
DESIGNED BY:
K. UPPAL
 DRAWN BY:
D. TARECTECAN
 CHECKED BY:
P. WAHL
 APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
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 GENERAL PROFILE - TRACK CC2
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 SHEET 11

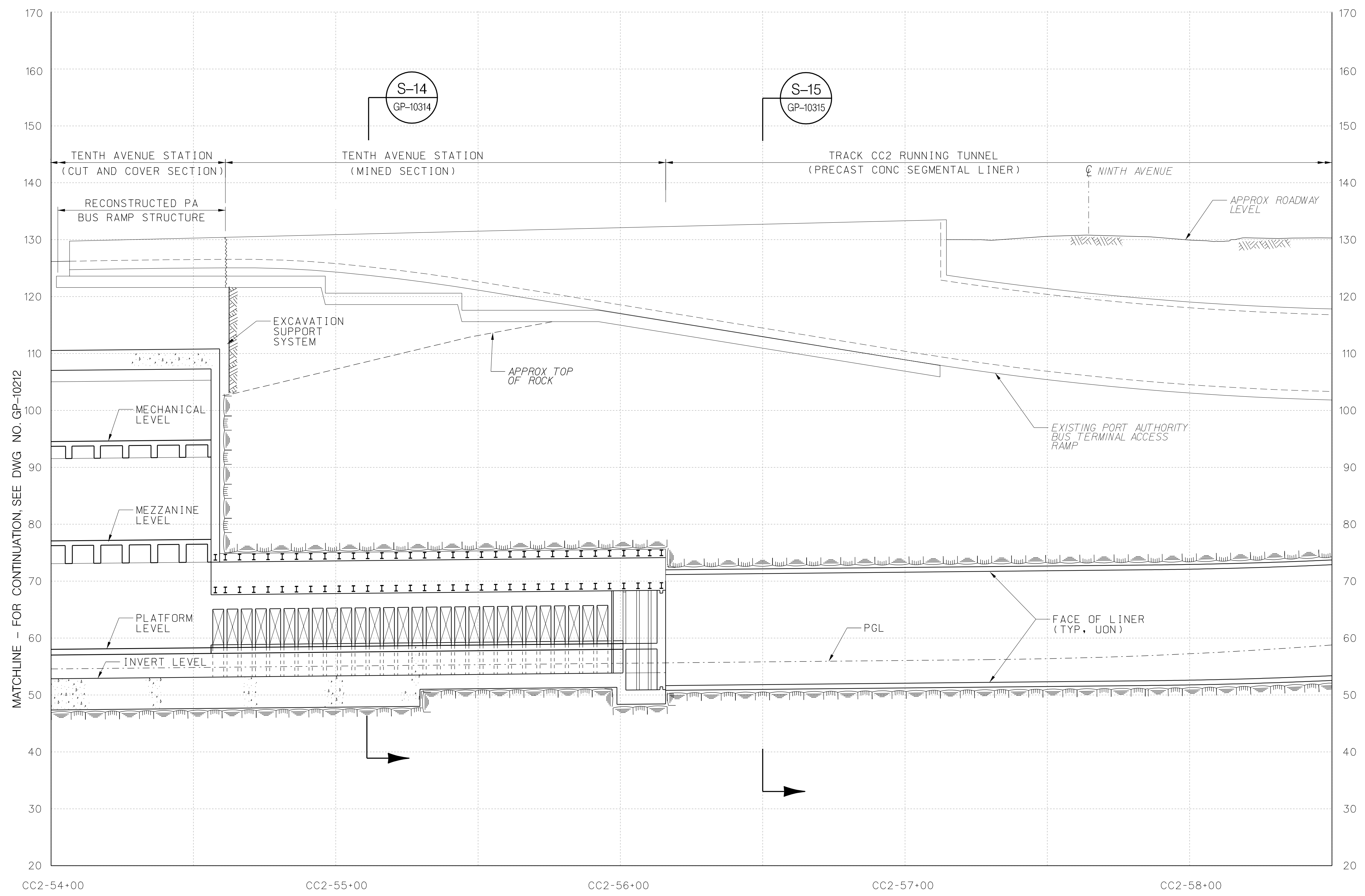
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GP-10211
 REVISION:



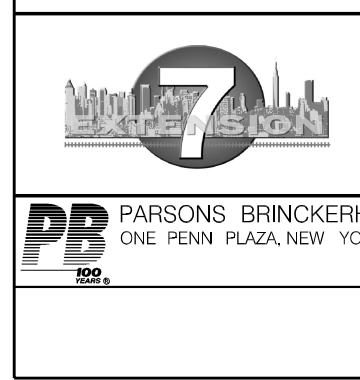
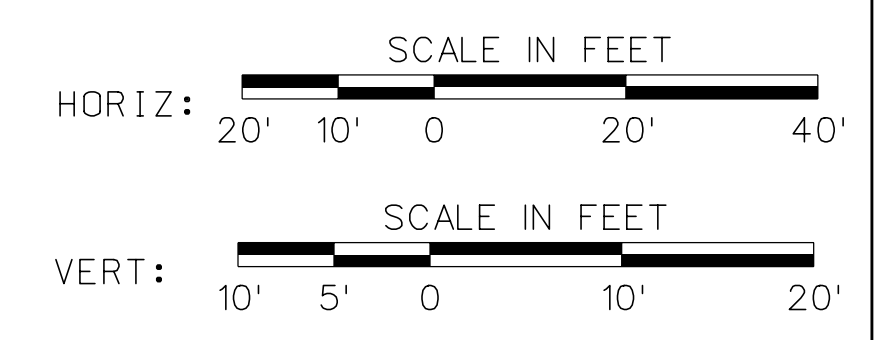
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	<p>DESIGNED BY: K. UPPAL</p> <p>DRAWN BY: D. TARECTECAN</p> <p>CHECKED BY: P. WAHL</p> <p>APPROVED BY: H. L. BERLINER</p>	<p>CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PROFILE TRACK CC2 STA. CC2-49+25 TO STA. CC2-54+00 SHEET 12</p>	<p>DATE: JAN 19, 2007</p> <p>DRAWING No. GP-10212</p> <p>REVISION:</p>																												
<p>PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC. ONE PENN PLAZA, NEW YORK, NY 10119</p>	<p>IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">REV</th> <th style="width: 45%;">DESCRIPTION</th> <th style="width: 15%;">DATE</th> <th style="width: 35%;">APPROVED</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	REV	DESCRIPTION	DATE	APPROVED																									
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NOTES:
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New York City Transit Capital Construction



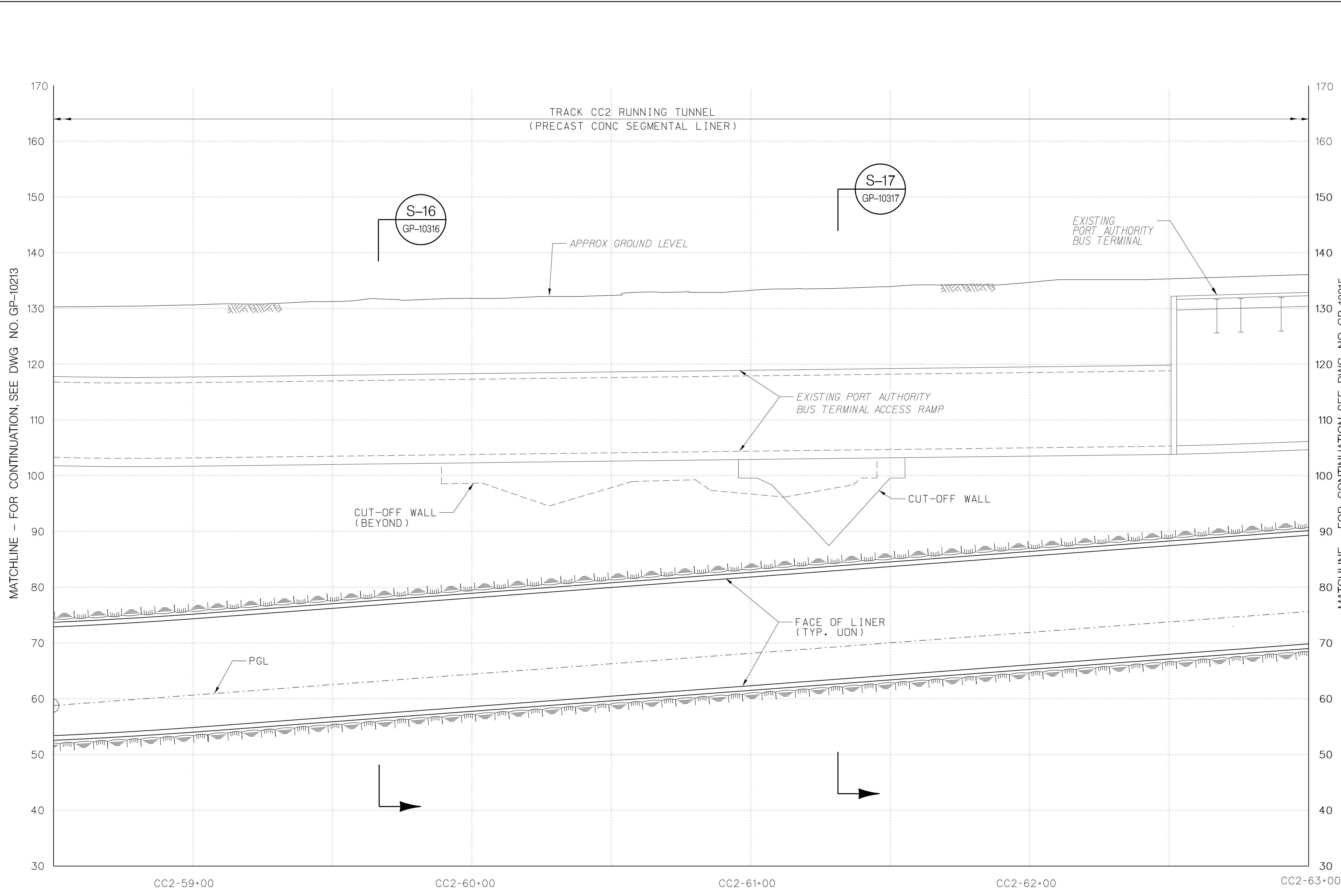
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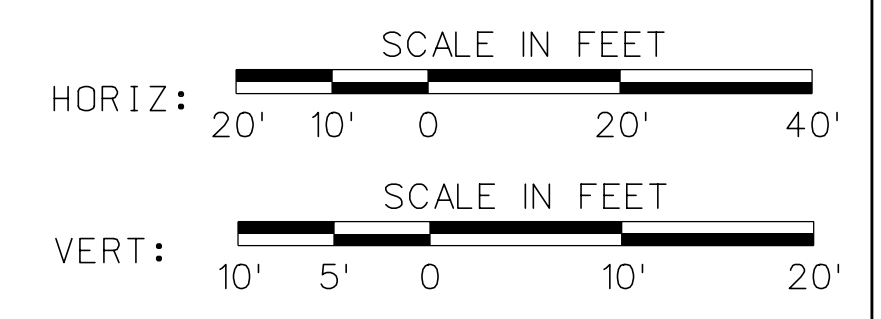
DESIGNED BY:
K. UPPAL
 DRAWN BY:
D. TARECTECAN
 CHECKED BY:
P. WAHL
 APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
 NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC2
 STA. CC2-54+00 TO STA. CC2-58+50
 SHEET 13

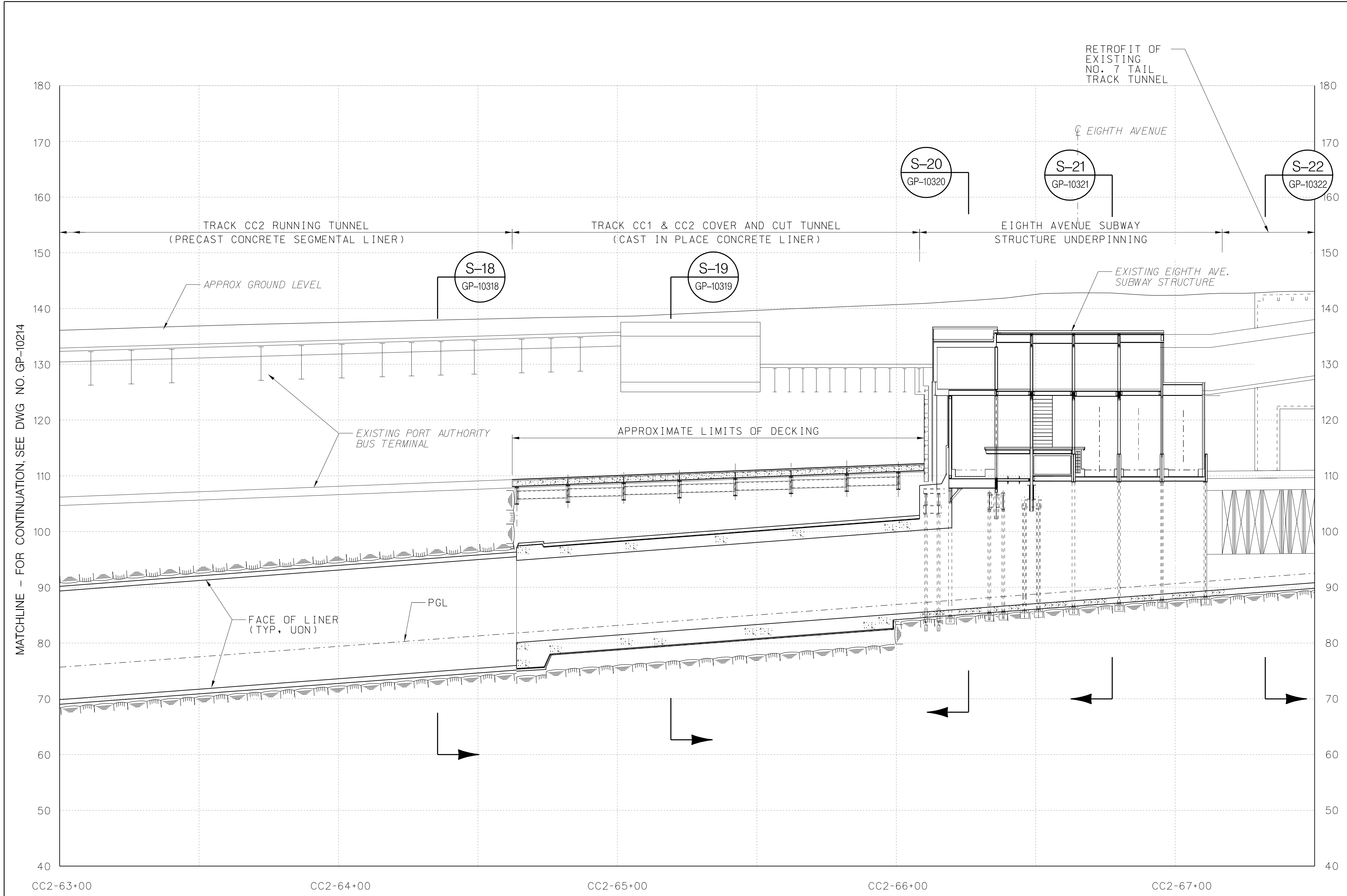
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JAN 19, 2007
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GP-10213
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NOTES:
1. FOR NOTES, SEE DWG NOS GP-10101.



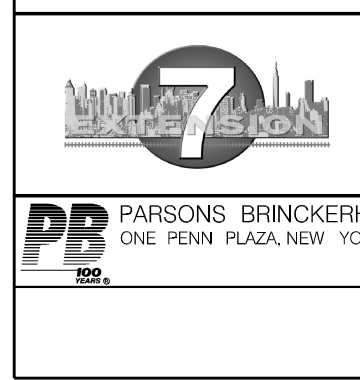
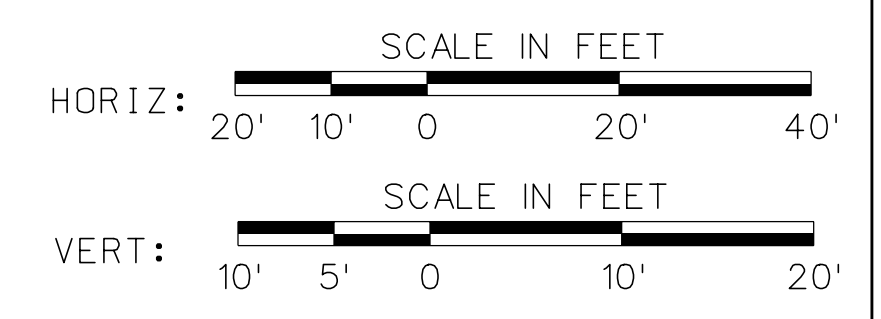
	New York City Transit Capital Construction Hudson Yards Development Corporation	IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.	REV	DESCRIPTION	DATE	APPROVED	DESIGNED BY: K. UPPAL DRAWN BY: D. TARECTECAN CHECKED BY: P. WAHL APPROVED BY: H. L. BERLINER	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PROFILE - TRACK CC2 STA. CC2-58+50 TO STA. CC2-63+00 SHEET 14	DATE: JAN 19, 2007 DRAWING No. GP-10214 REVISION:



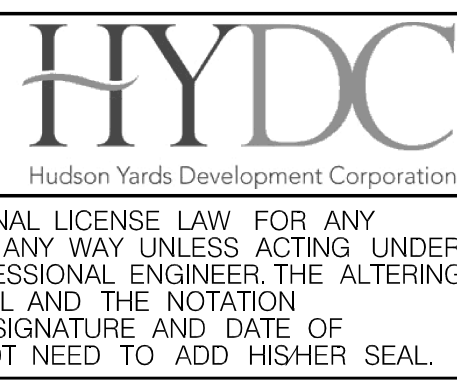
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 1. FOR NOTES, SEE DWG NO GP-10101.

MATCHLINE - FOR CONTINUATION, SEE DWG NO. GP-10214

MATCHLINE - FOR CONTINUATION, SEE DWG NO. GP-10216



New York City Transit Capital Construction



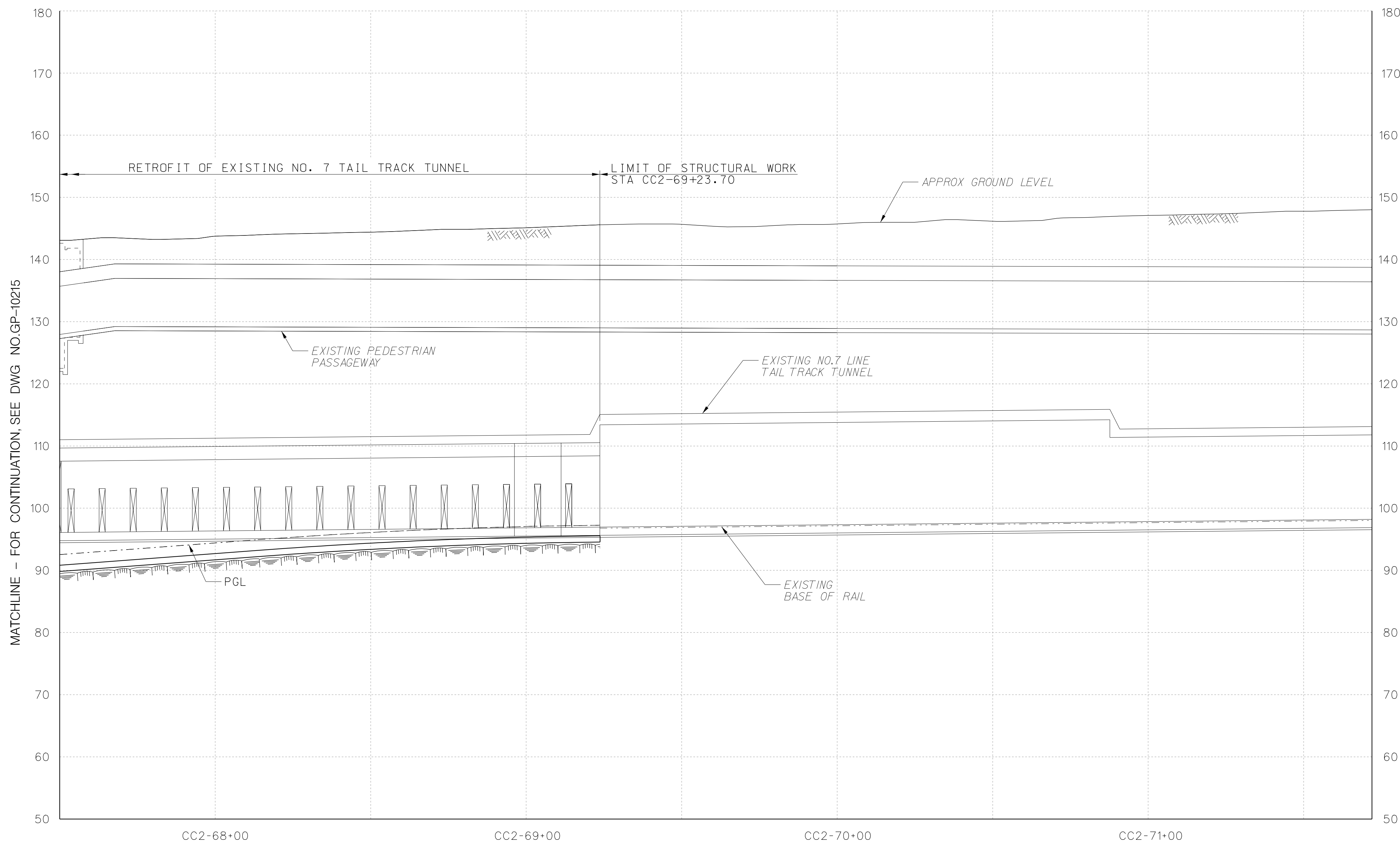
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DRAWN BY: D. TARECTECAN	
CHECKED BY: P. WAHL	
APPROVED BY: H. L. BERLINER	

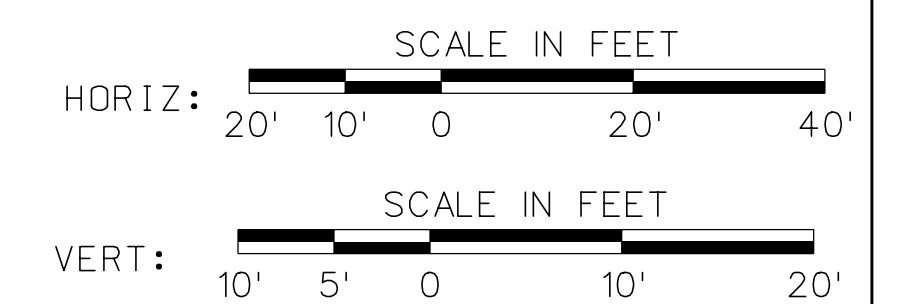
CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC2
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SHEET 15

DATE: JAN 19, 2007
DRAWING No. GP-10215
REVISION:

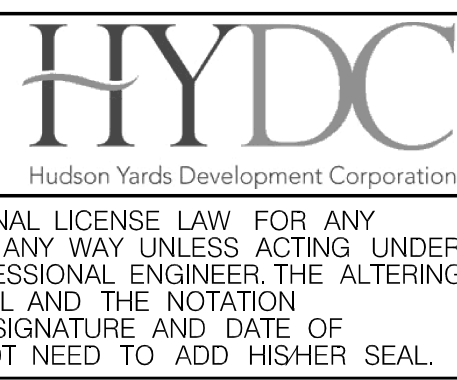


NOTES:
 1. FOR NOTES, SEE DWG NO GP-10101.

MATCHLINE - FOR CONTINUATION, SEE DWG NO. GP-10215



**New York City Transit
 Capital Construction**



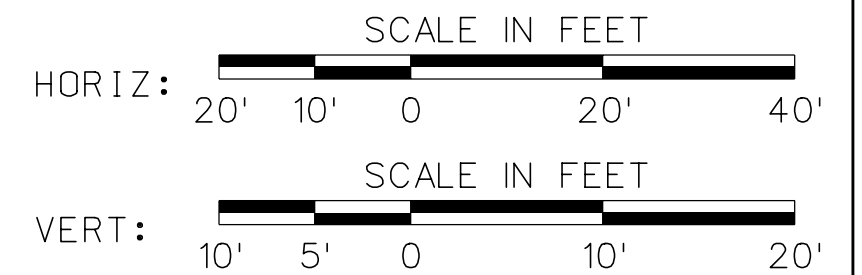
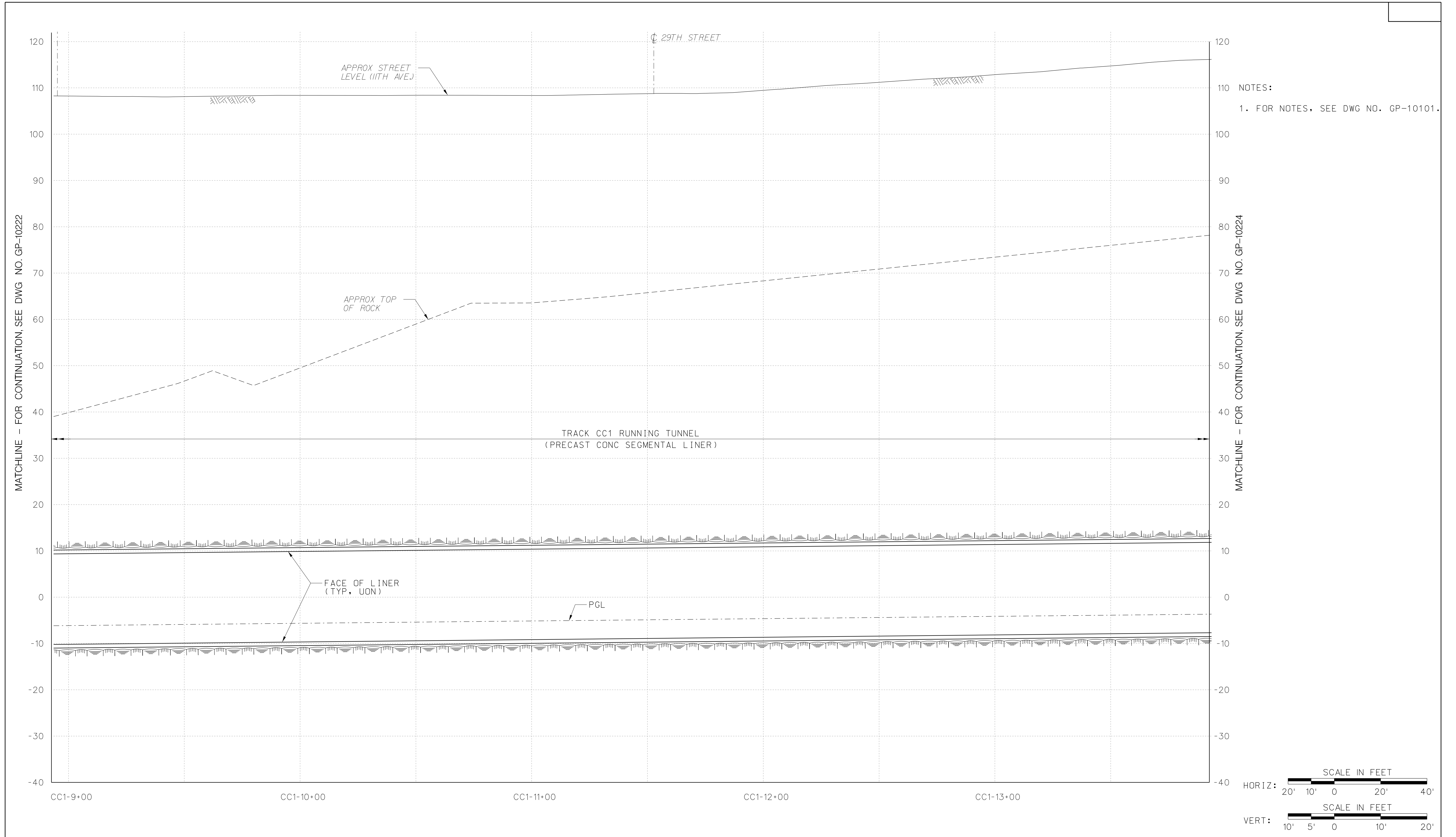
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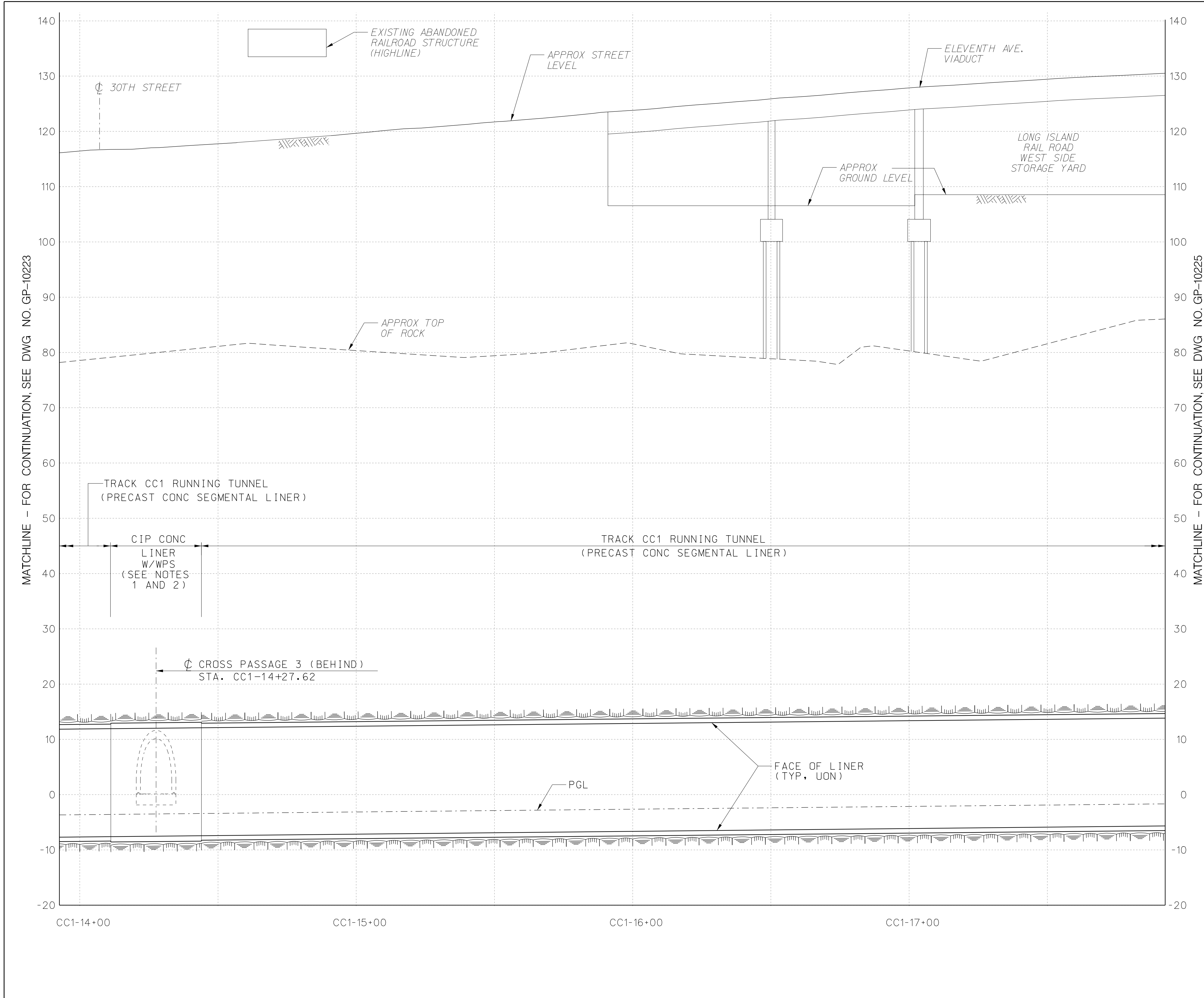
DESIGNED BY: K. UPPAL	
DRAWN BY: D. TARECTECAN	
CHECKED BY: P. WAHL	
APPROVED BY: H. L. BERLINER	

CONTRACT C-26503
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GENERAL PROFILE - TRACK CC2
 STA. CC2-67+50 TO STA. CC2-69+23.70
 SHEET 16

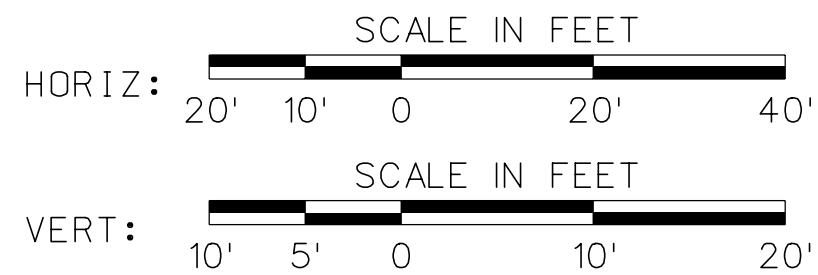
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DRAWING No. GP-10216
REVISION:



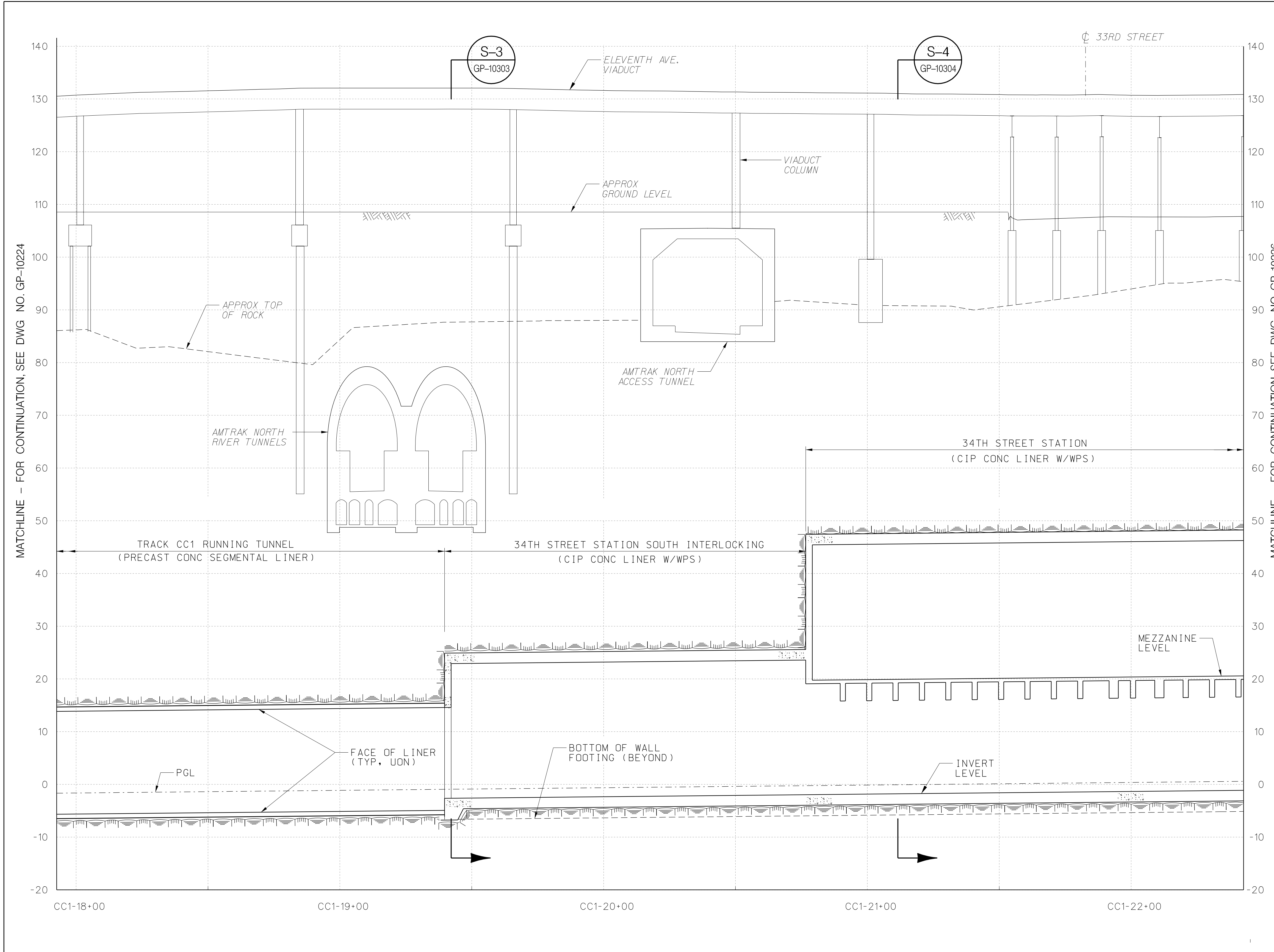
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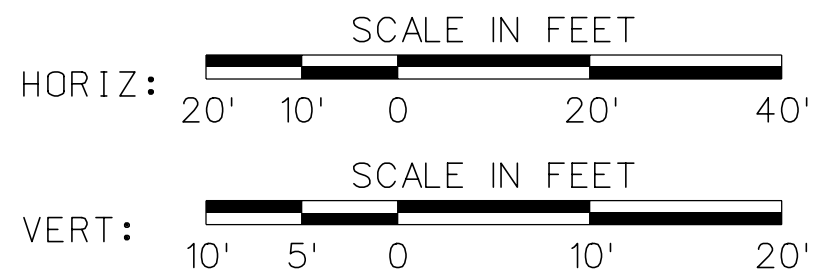
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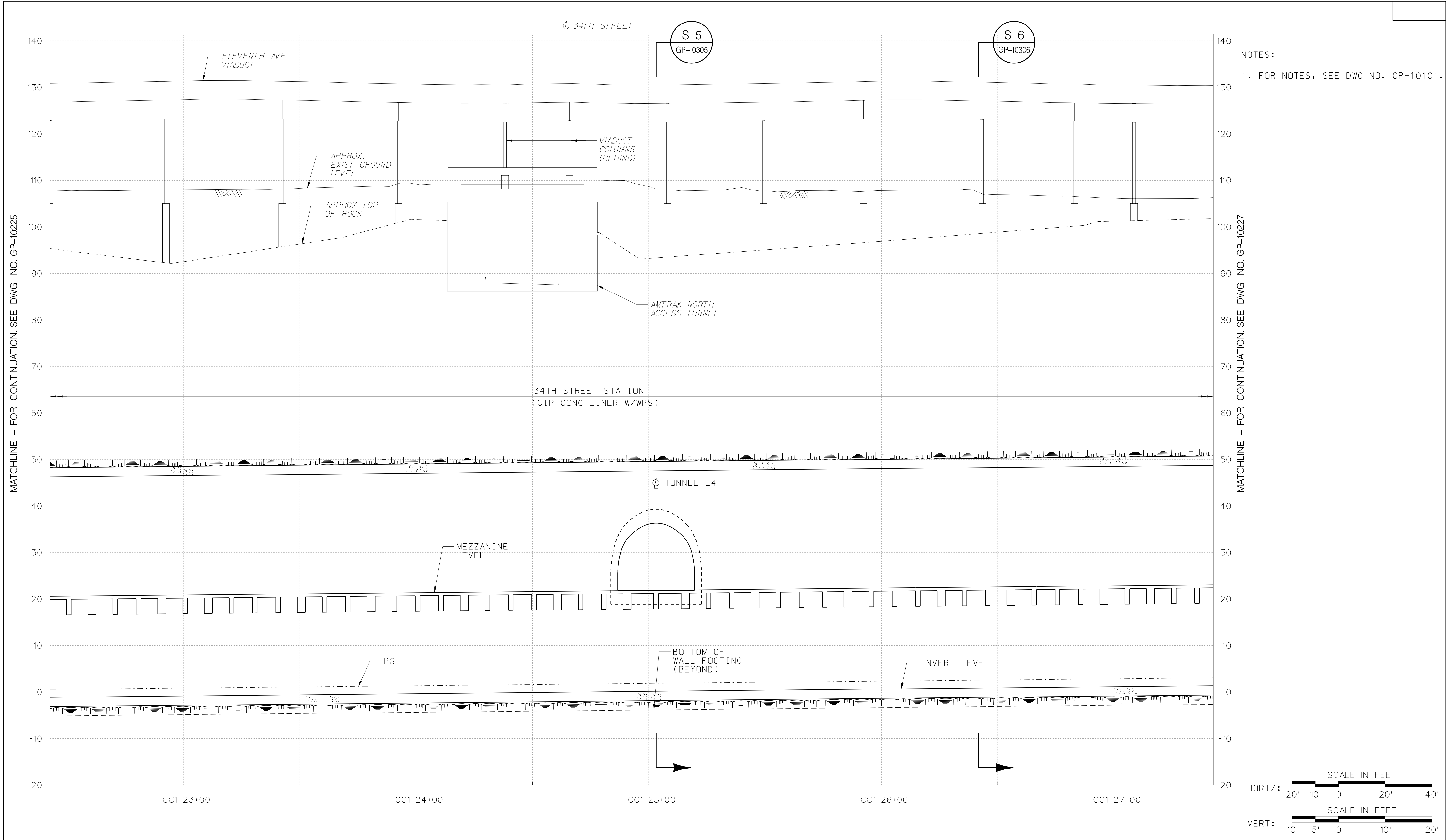
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		DRAWN BY:	D. TARECTECAN		DRAWING No.	GP-10224
		CHECKED BY:	P. WAHL		REVISION:	
		APPROVED BY:	H. L. BERLINER			
REV	DESCRIPTION	DATE	APPROVED			



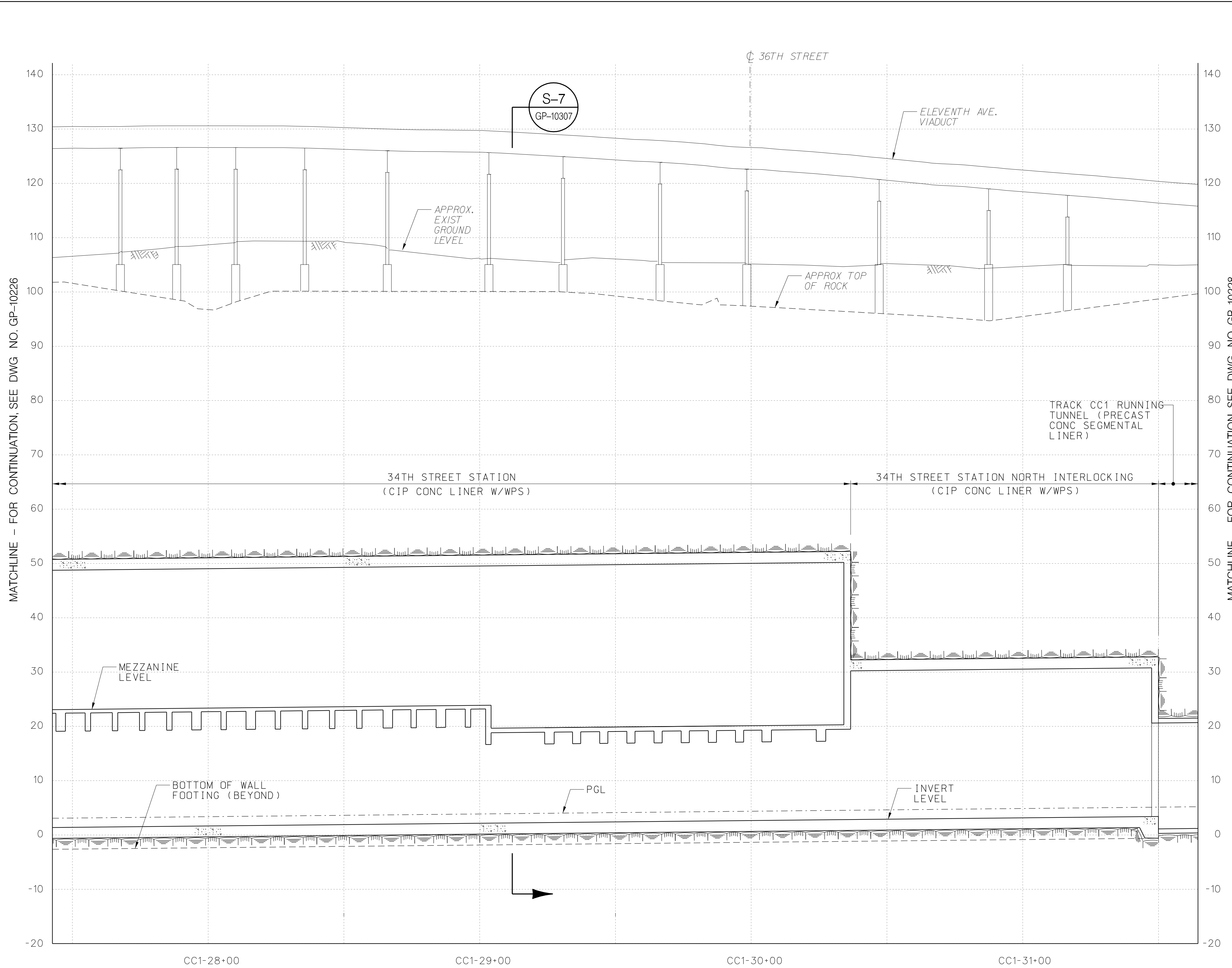
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 1. FOR NOTES, SEE DWG NO. GP-10101.



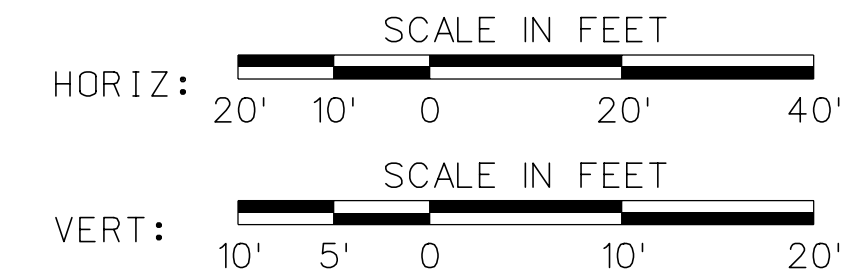
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		DRAWN BY: D. TARECTECAN		DRAWING No. GP-10225
<small>IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.</small>		CHECKED BY: P. WAHL		REVISION:
REV	DESCRIPTION	DATE	APPROVED	



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NOTES:
 1. FOR NOTES, SEE DWG NO. GP-10101.



**New York City Transit
 Capital Construction**



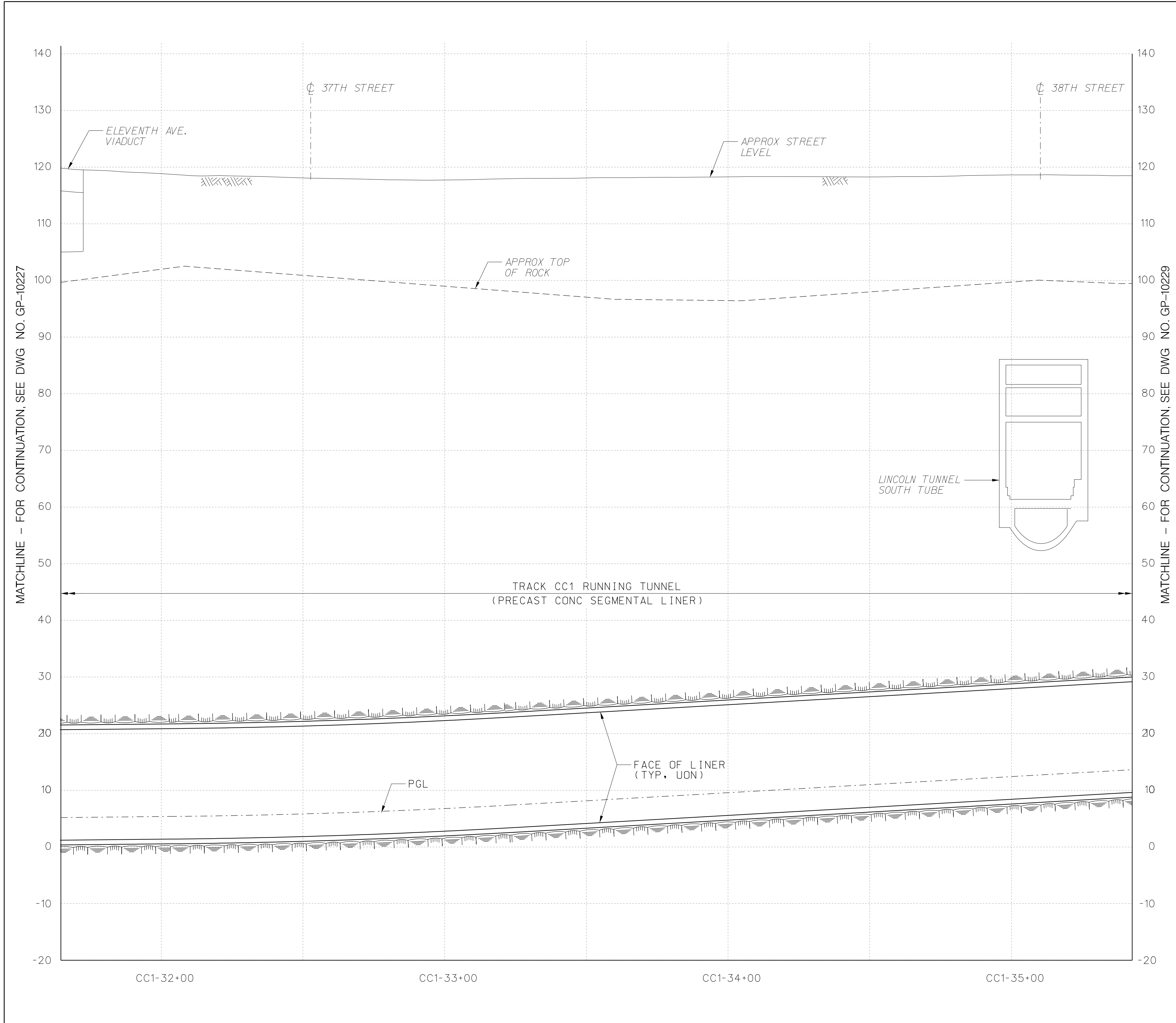
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REV	DESCRIPTION	DATE	APPROVED

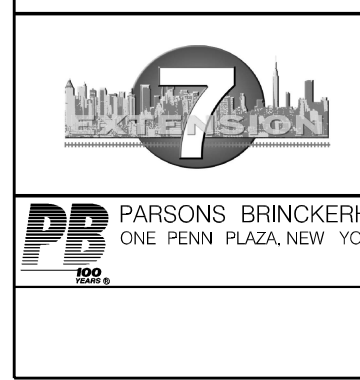
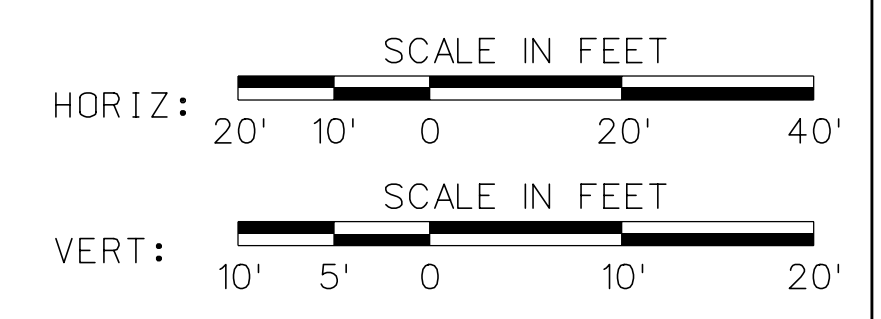
DESIGNED BY:
K. UPPAL
 DRAWN BY:
D. TARECTECAN
 CHECKED BY:
P. WAHL
 APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC1
 STA. CC1-27+42.62 TO STA. CC1-31+64.56
SHEET 7

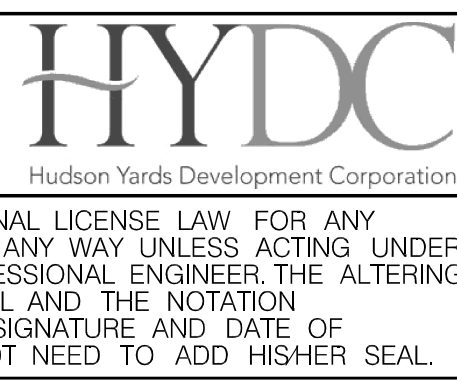
DATE:
JAN 19, 2007
 DRAWING No.
GP-10227
 REVISION:



NOTES:
 1. FOR NOTES, SEE DWG NO. GP-10101.



**New York City Transit
Capital Construction**



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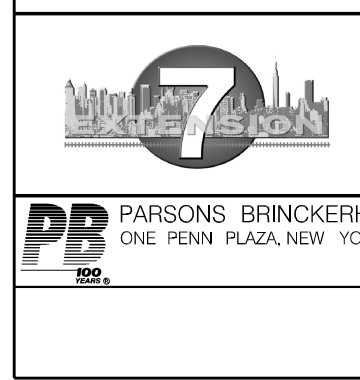
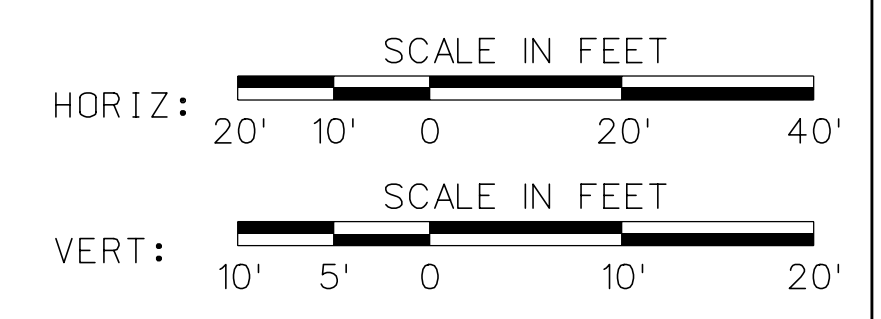
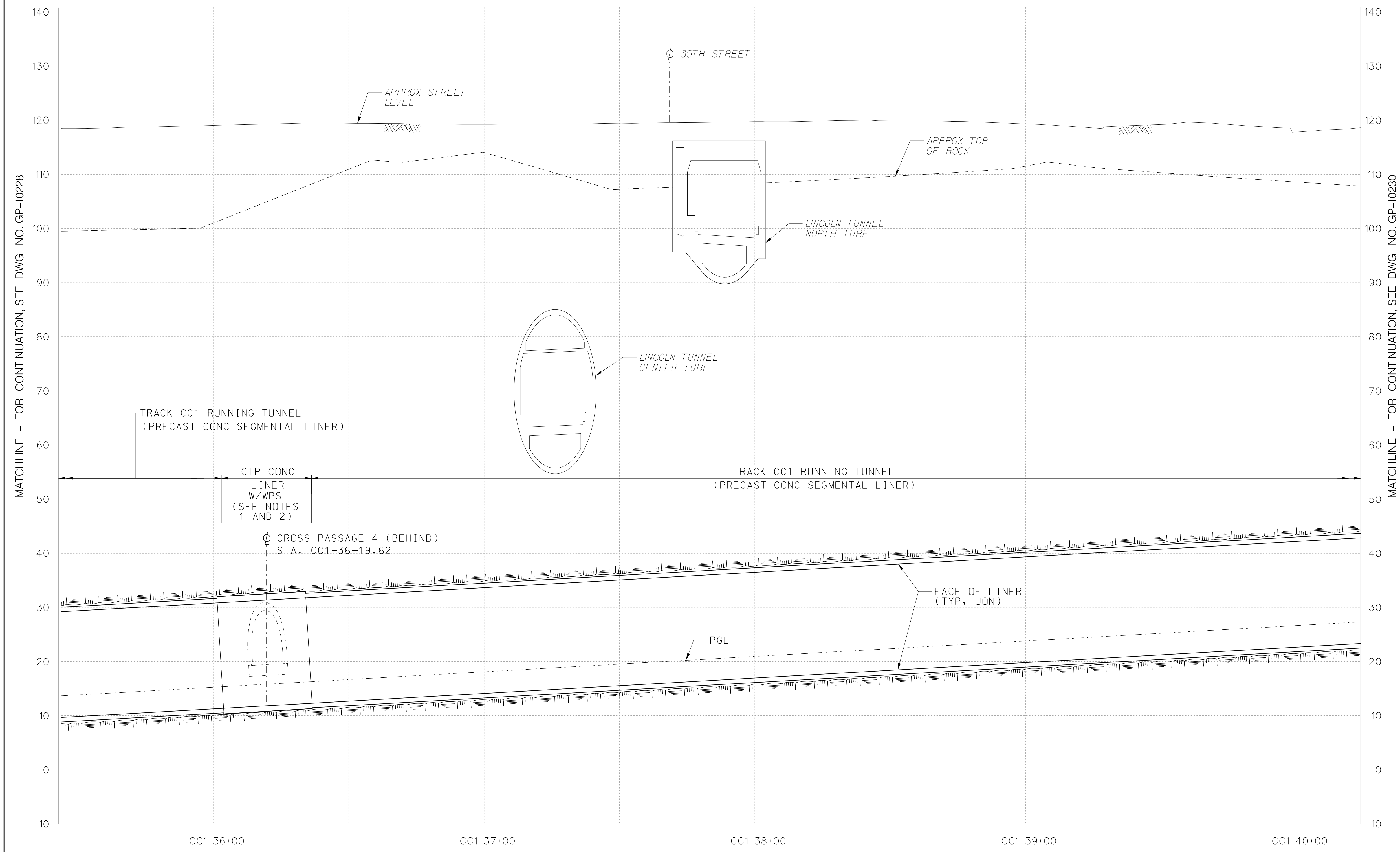
REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY: K. UPPAL	
DRAWN BY: D. TARETECAN	
CHECKED BY: P. WAHL	
APPROVED BY: H. L. BERLINER	

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC1
 STA. CC1-31 + 64.56 TO STA. CC1-35 + 42.62
SHEET 8

DATE: JAN 19, 2007
DRAWING No. GP-10228
REVISION:

- NOTES:
1. LENGTH OF CIP CONCRETE LINER WITHIN INDICATED LIMITS SHALL BE ADJUSTED AS REQUIRED BY SEGMENTAL LINER INSTALLATION LAYOUT AND SUBMITTED TO ENGINEER FOR REVIEW.
 2. THE CONTRACTOR MAY INSTALL PRECAST CONCRETE LINER IN THE TUNNELS AT THESE INTERSECTIONS FOR MAINTAINING CONTINUITY OF THE TBM EXCAVATION. IF THE CONTRACTOR ELECTS TO DO SO, THE CONTRACTOR SHALL SUBMIT FOR THE ENGINEERS REVIEW: THE CONTRACTOR'S METHOD OF BREAKING OUT THE PRECAST CONCRETE SEGMENTED LINING; DESIGN AND CONSTRUCTION PROCEDURES FOR THE SUPPORT OF PARTIAL PRECAST CONCRETE RINGS; CROSS PASSAGES EXCAVATION METHOD; PROTECTION OF ADJACENT PRECAST CONCRETE SEGMENTS; AND STRUCTURAL AND WATERPROOFING DETAILS.
 3. FOR ADDITIONAL NOTES, SEE DWG NO GP-10101.



New York City Transit Capital Construction

HYDC
Hudson Yards Development Corporation

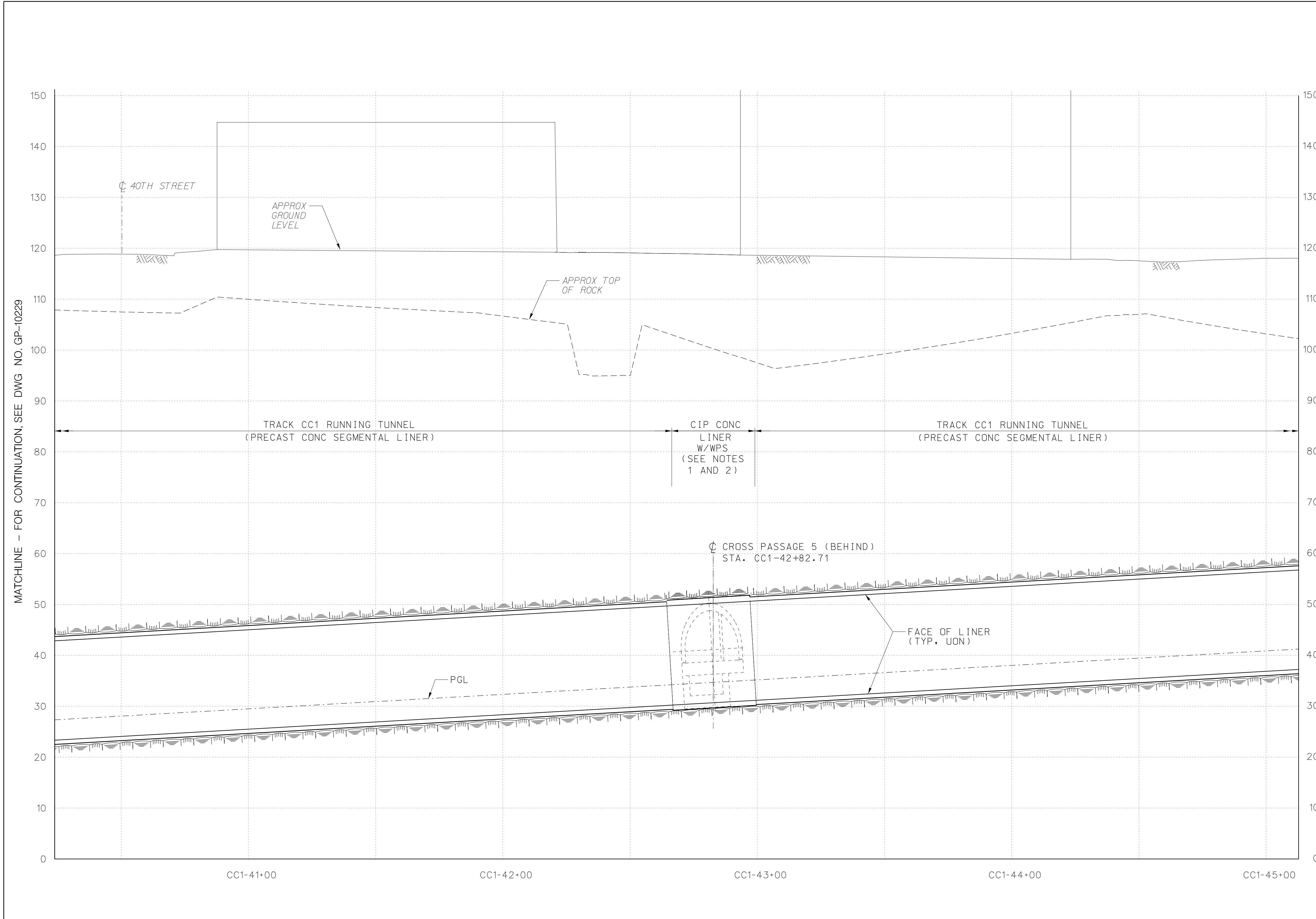
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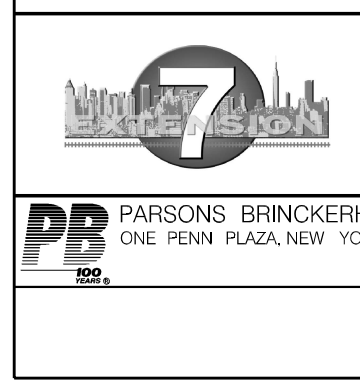
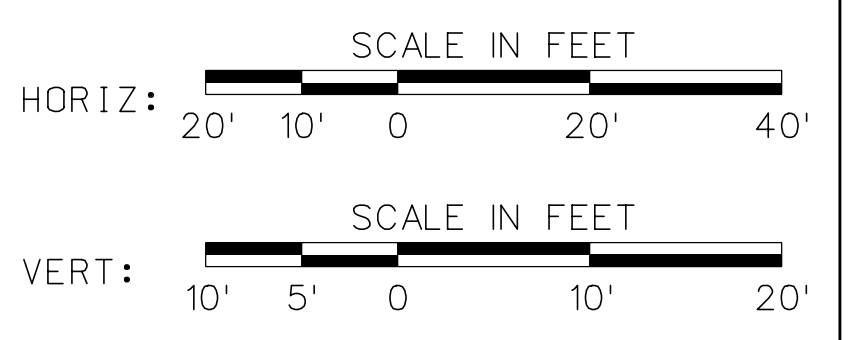
DESIGNED BY:
K. UPPAL
DRAWN BY:
D. TARECTECAN
CHECKED BY:
P. WAHL
APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC1
STA. CC1-35 + 42.62 TO STA. CC1-40 + 23.87
SHEET 9

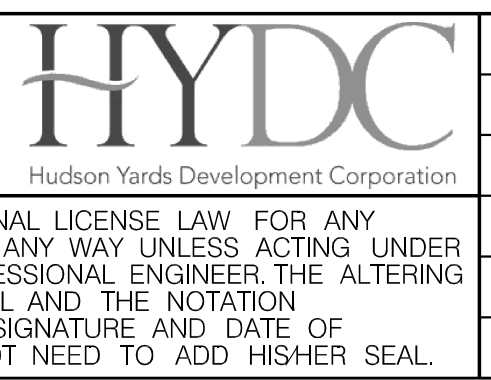
DATE:
JAN 19, 2007
DRAWING No.
GP-10229
REVISION:



- NOTES:
1. LENGTH OF CIP CONCRETE LINER WITHIN INDICATED LIMITS SHALL BE ADJUSTED AS REQUIRED BY SEGMENTAL LINER INSTALLATION LAYOUT AND SUBMITTED TO ENGINEER FOR REVIEW.
 2. THE CONTRACTOR MAY INSTALL PRECAST CONCRETE LINER IN THE TUNNELS AT THESE INTERSECTIONS FOR MAINTAINING CONTINUITY OF THE TBM EXCAVATION. IF THE CONTRACTOR ELECTS TO DO SO, THE CONTRACTOR SHALL SUBMIT FOR THE ENGINEER'S REVIEW: THE CONTRACTOR'S METHOD OF BREAKING OUT THE PRECAST CONCRETE SEGMENTED LINING; DESIGN AND CONSTRUCTION PROCEDURES FOR THE SUPPORT OF PARTIAL PRECAST CONCRETE RINGS; CROSS PASSAGES EXCAVATION METHOD; PROTECTION OF ADJACENT PRECAST CONCRETE SEGMENTS; AND STRUCTURAL AND WATERPROOFING DETAILS.
 3. FOR ADDITIONAL NOTES, SEE DWG NO. GP-10101.



New York City Transit Capital Construction



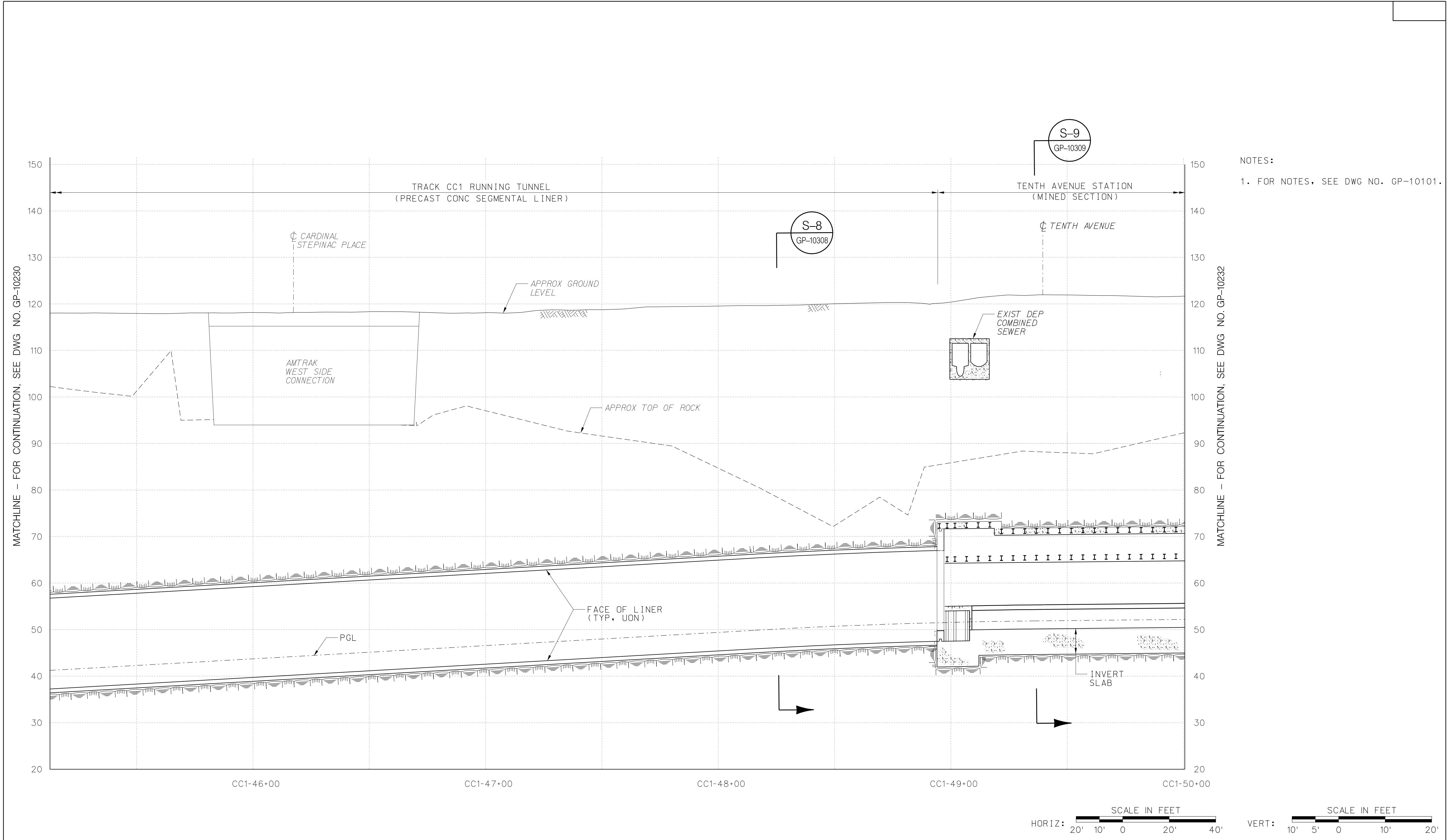
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REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY:
K. UPPAL
DRAWN BY:
D. TARECTECAN
CHECKED BY:
P. WAHL
APPROVED BY:
H. L. BERLINER

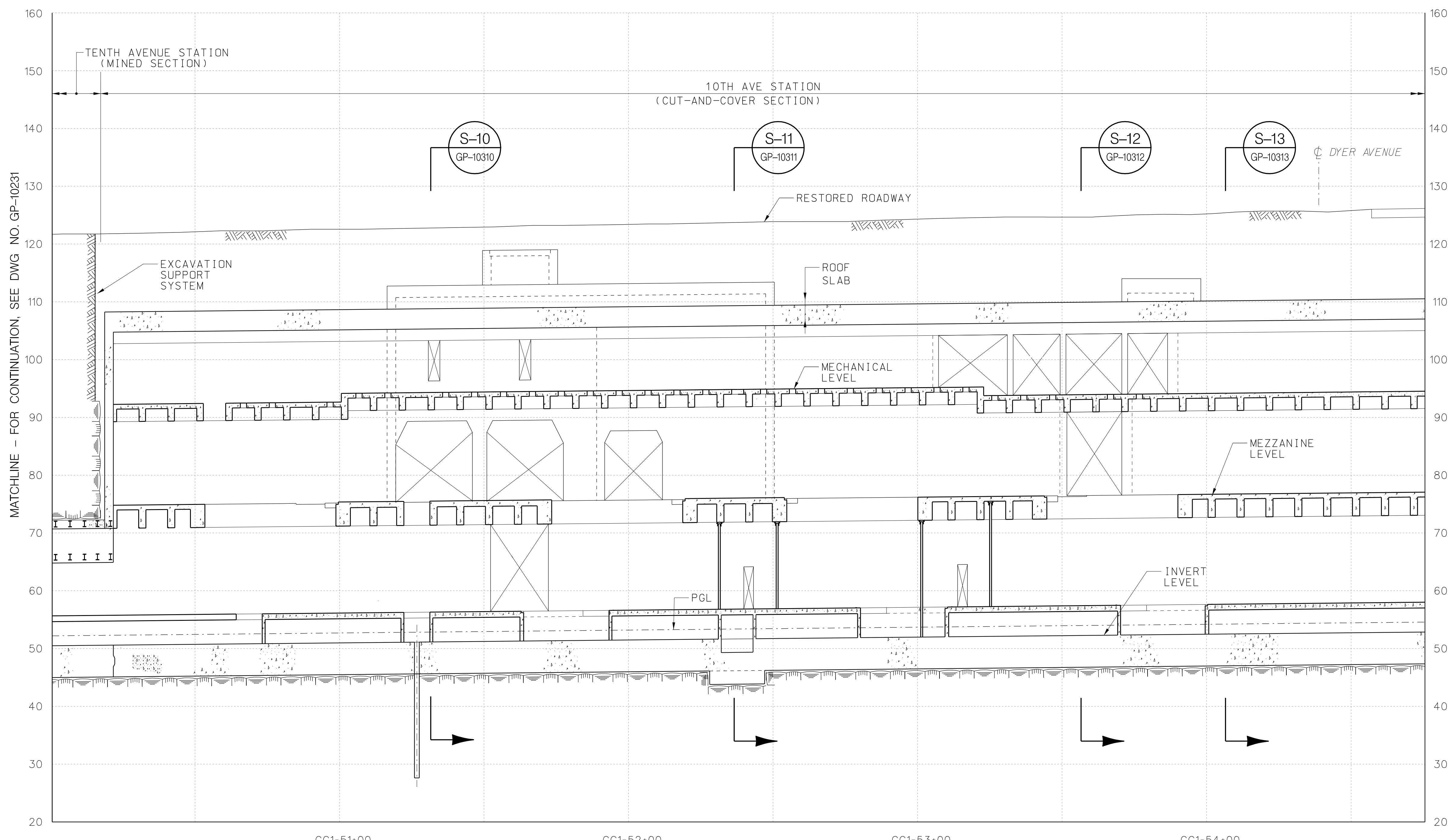
CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC1
STA. CC1-40+38.87 TO STA. CC1-45+12.74
SHEET 10

DATE:
JAN 19, 2007
DRAWING No.
GP-10230
REVISION:



NOTES:
1. FOR NOTES, SEE DWG NO. GP-10101.

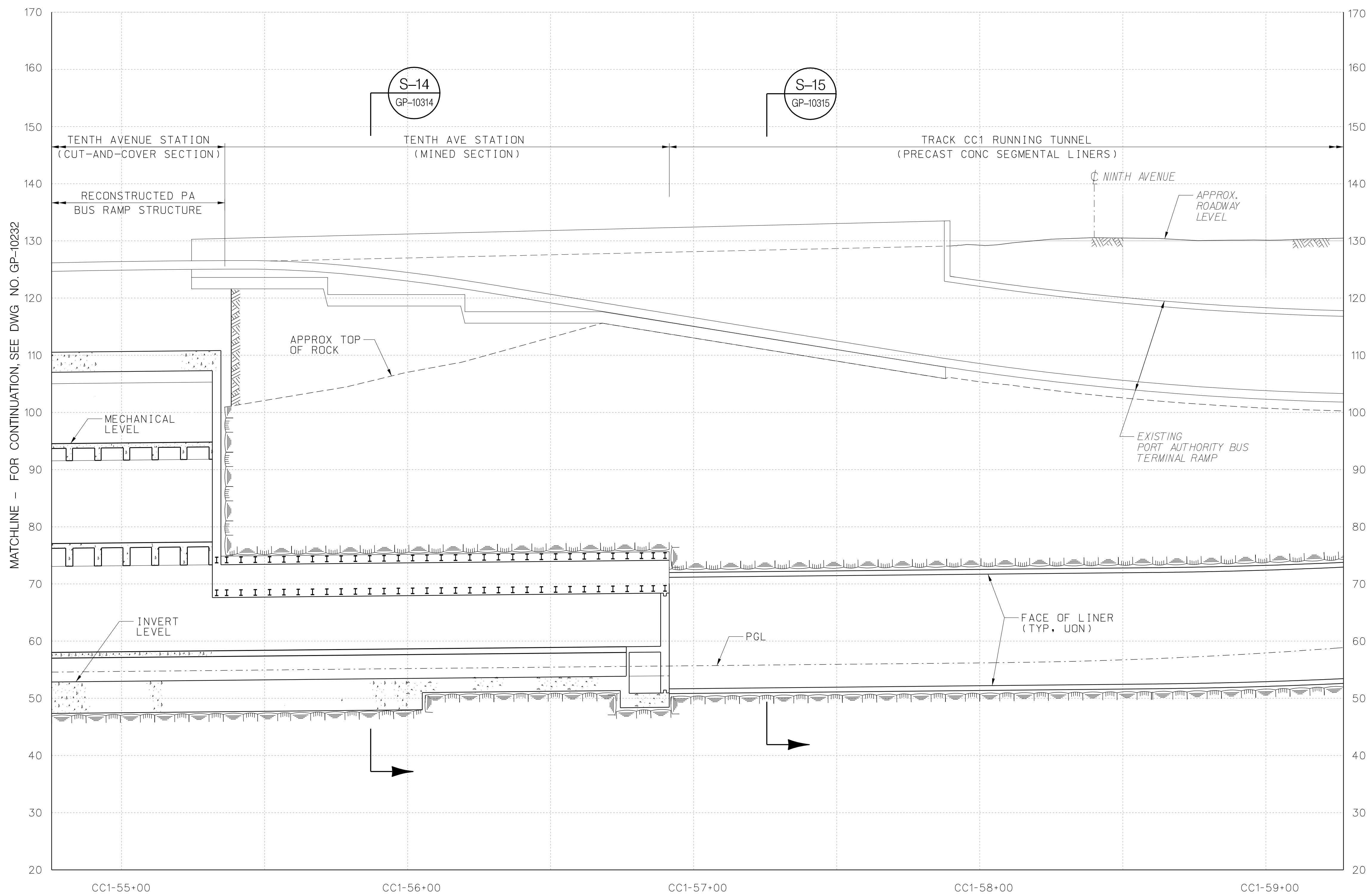
	New York City Transit Capital Construction Hudson Yards Development Corporation	IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.	REV	DESCRIPTION	DATE	APPROVED	DESIGNED BY: K. UPPAL DRAWN BY: D. TARECTECAN CHECKED BY: P. WAHL APPROVED BY: H. L. BERLINER	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PROFILE - TRACK CC1 STA. CC1-45+12.74 TO STA. CC1-50+0.54 SHEET 11	DATE: JAN 19, 2007 DRAWING No. GP-10231 REVISION:



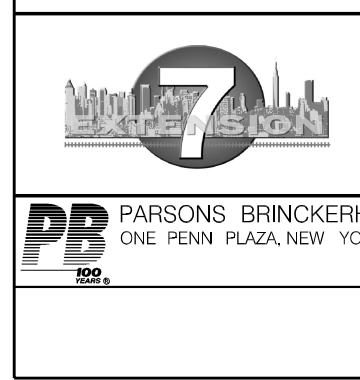
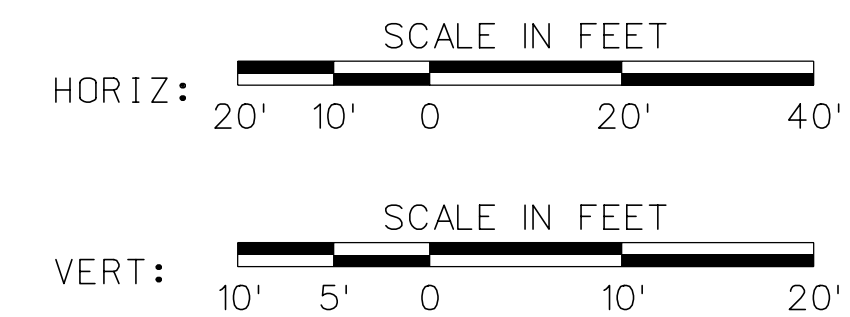
NOTES:
 1. FOR NOTES, SEE DWG. NO. GP-10101.



	<p>IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.</p>	REV	DESCRIPTION	DATE	APPROVED	DESIGNED BY: K. UPPAL DRAWN BY: D. TARECTECAN CHECKED BY: P. WAHL APPROVED BY: H. L. BERLINER	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL PROFILE - TRACK CC1 STA. CC1-50+0.54 TO STA. CC1-54+74.54 SHEET 12	DATE: JAN 19, 2007 DRAWING No. GP-10232 REVISION:



NOTES:
 1. FOR NOTES, SEE DWG NO. GP-10101.



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Capital Construction**



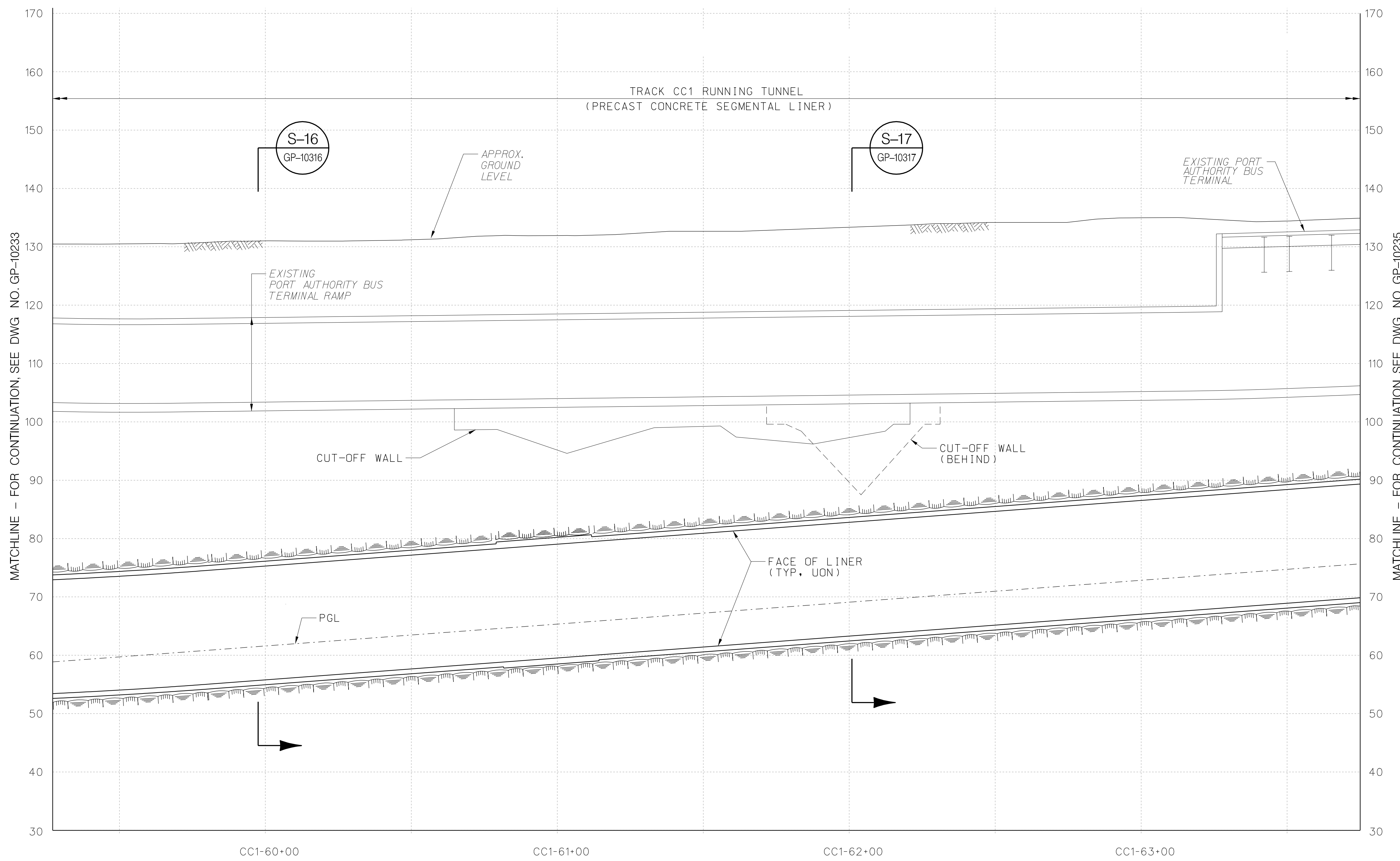
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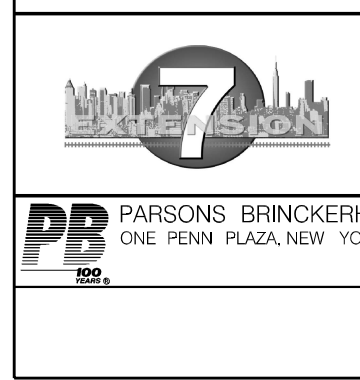
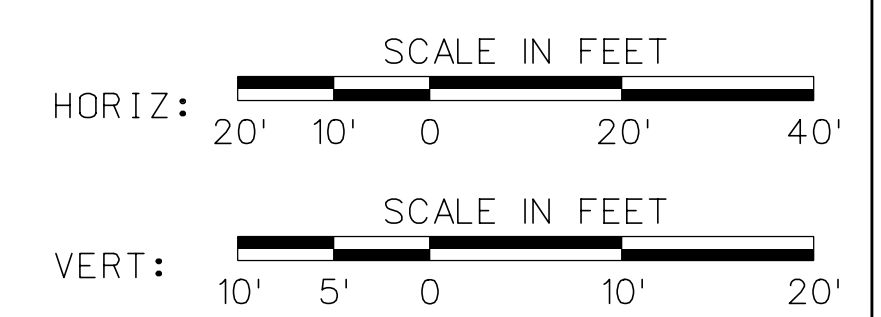
DESIGNED BY:
K. UPPAL
 DRAWN BY:
D. TARECTECAN
 CHECKED BY:
P. WAHL
 APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
 NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC1
 STA. CC1-54 + 75.54 TO STA. CC1-59 + 27.12
 SHEET 13

DATE:
JAN 19, 2007
 DRAWING No.
GP-10233
 REVISION:



NOTES:
 1. FOR NOTES, SEE DWG NO. GP-10101.



**New York City Transit
Capital Construction**



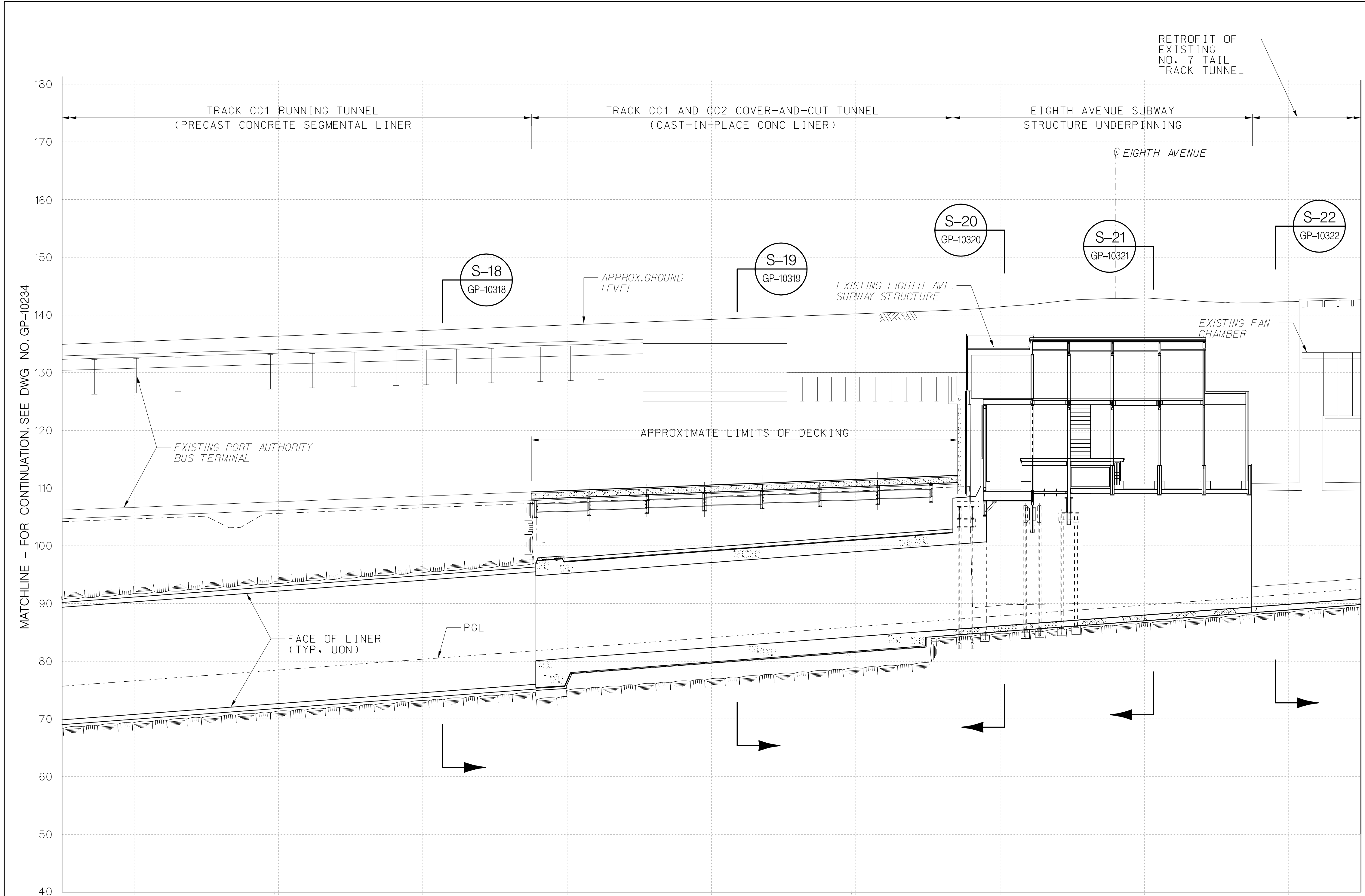
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REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY:
K. UPPAL
 DRAWN BY:
D. TARECTECAN
 CHECKED BY:
P. WAHL
 APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
 NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC1
 STA. CC1-59+27.12 TO STA. CC1-63+75.02
 SHEET 14

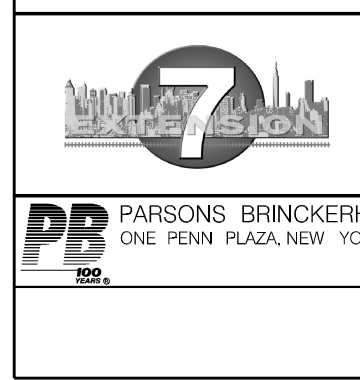
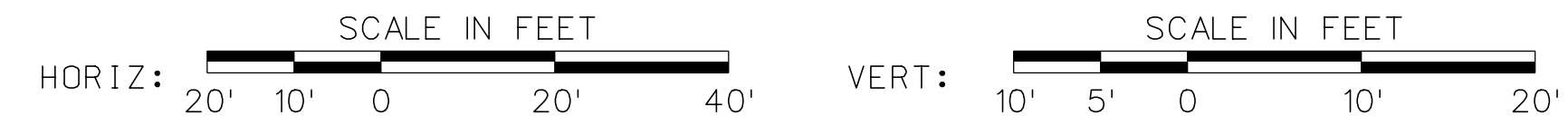
DATE:
JAN 19, 2007
 DRAWING No.
GP-10234
 REVISION:



NOTES:
 1. FOR NOTES, SEE DWG NO. GP-10101.

MATCHLINE - FOR CONTINUATION, SEE DWG NO. GP-10234

MATCHLINE - FOR CONTINUATION, SEE DWG NO. GP-10236



New York City Transit Capital Construction
 IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.

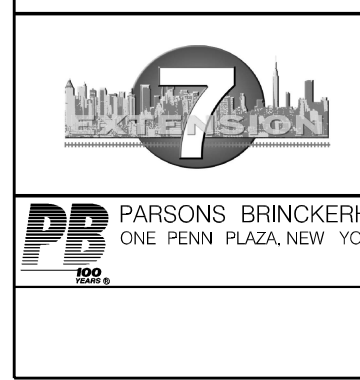
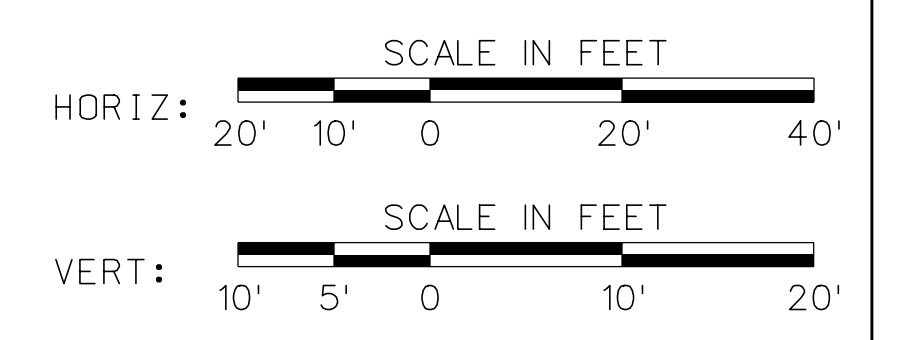
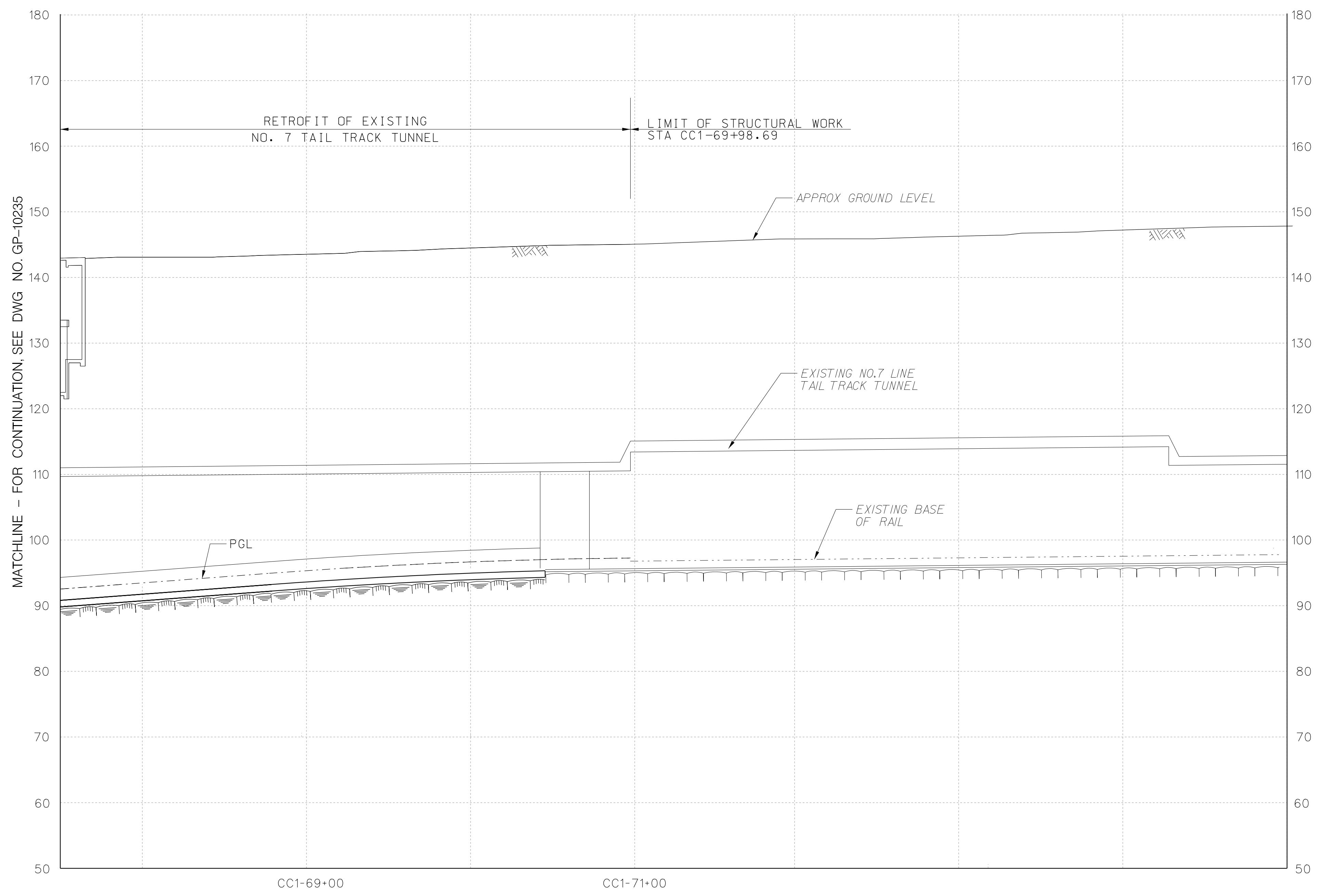
REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY: K. UPPAL	
DRAWN BY: D. TARECTECAN	
CHECKED BY: P. WAHL	
APPROVED BY: H. L. BERLINER	

CONTRACT C-26503
 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
 NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC1
 STA. CC1-63 + 75.02 TO STA. CC1-68 + 25.02
 SHEET 15

DATE: JAN 19, 2007
DRAWING No. GP-10235
REVISION:

NOTES:
 1. FOR NOTES, SEE DWG NO. GP-10101.



MTA New York City Transit
Capital Construction

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 Hudson Yards Development Corporation

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REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY:
K. UPPAL
 DRAWN BY:
D. TARECTECAN
 CHECKED BY:
P. WAHL
 APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
 NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL PROFILE - TRACK CC1
 STA. CC1-68+25.02 TO STA. CC1-69+98.69
 SHEET 16

DATE:
JAN 19, 2007
 DRAWING No.
GP-10236
 REVISION:

HISTORIC BUILDING
SEE DWG GT-10111
FOR INFORMATION

⊕ ELEVENTH AVENUE

⊕ SITE A SHAFT

APPROX
TOP OF GROUND

PERMANENT
EXCAVATION
SUPPORT

APPROX
TOP OF ROCK

SITE A ADIT

⊕ TRACK CC1

⊕ TRACK CC2

LIMITS OF
CAST-IN-PLACE
CONCRETE LINER
BY OTHERS (NIC)

PGL

PGL

SPRING
LINE

NOTES:
1. FOR NOTES, SEE DWG NO. GP-10101.

SECTION

S-1

GP-10101

GP-10201

GP-10221

SCALE IN FEET
10' 5' 0 10' 20'



PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
ONE PENN PLAZA, NEW YORK, NY 10119

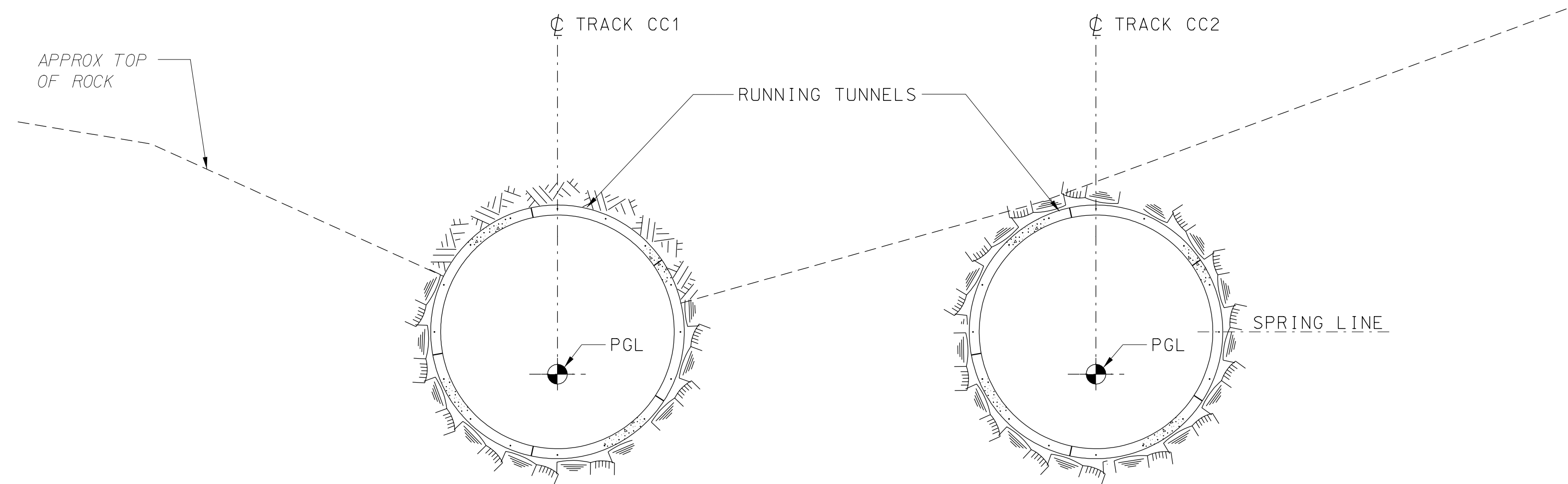
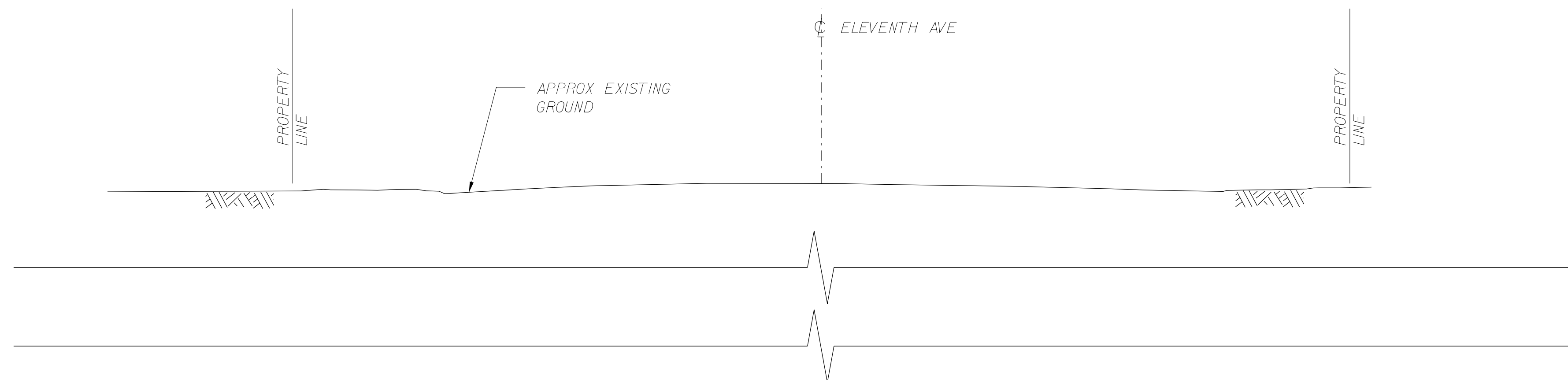
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REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY:
K. UPPAL
DRAWN BY:
J. PADILLA
CHECKED BY:
P. WAHL
APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL TRANSVERSE SECTIONS
SHEET 1

DATE:
JAN 19, 2007
DRAWING No.
GP-10301
REVISION:



SECTION

S-2
GP-10102

GP-10202
GP-10222



NOTES:
1. FOR NOTES, SEE DRAWING NO. GP-10101.



MTA New York City Transit
Capital Construction

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Hudson Yards Development Corporation

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
ONE PENN PLAZA, NEW YORK, NY 10119

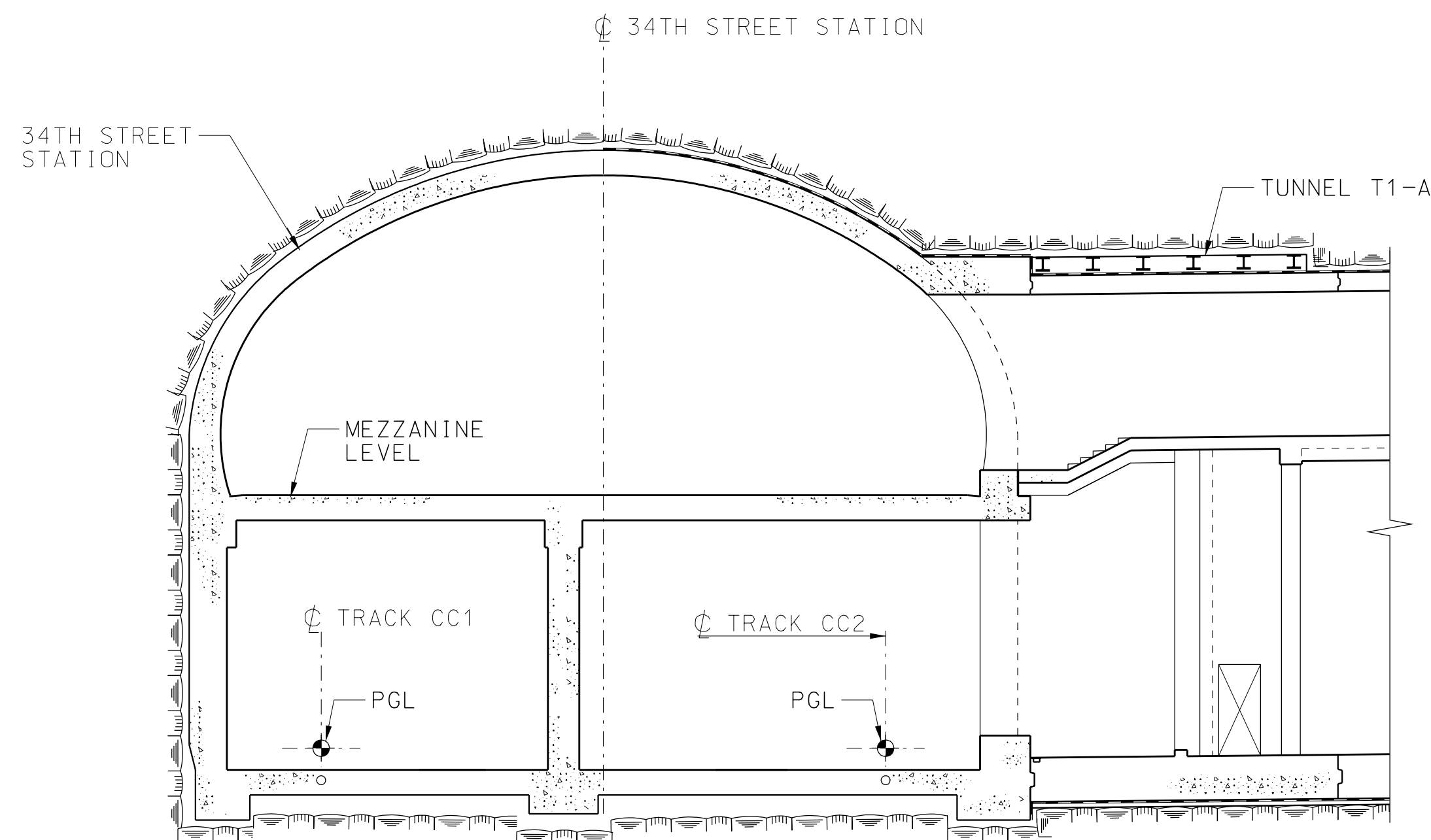
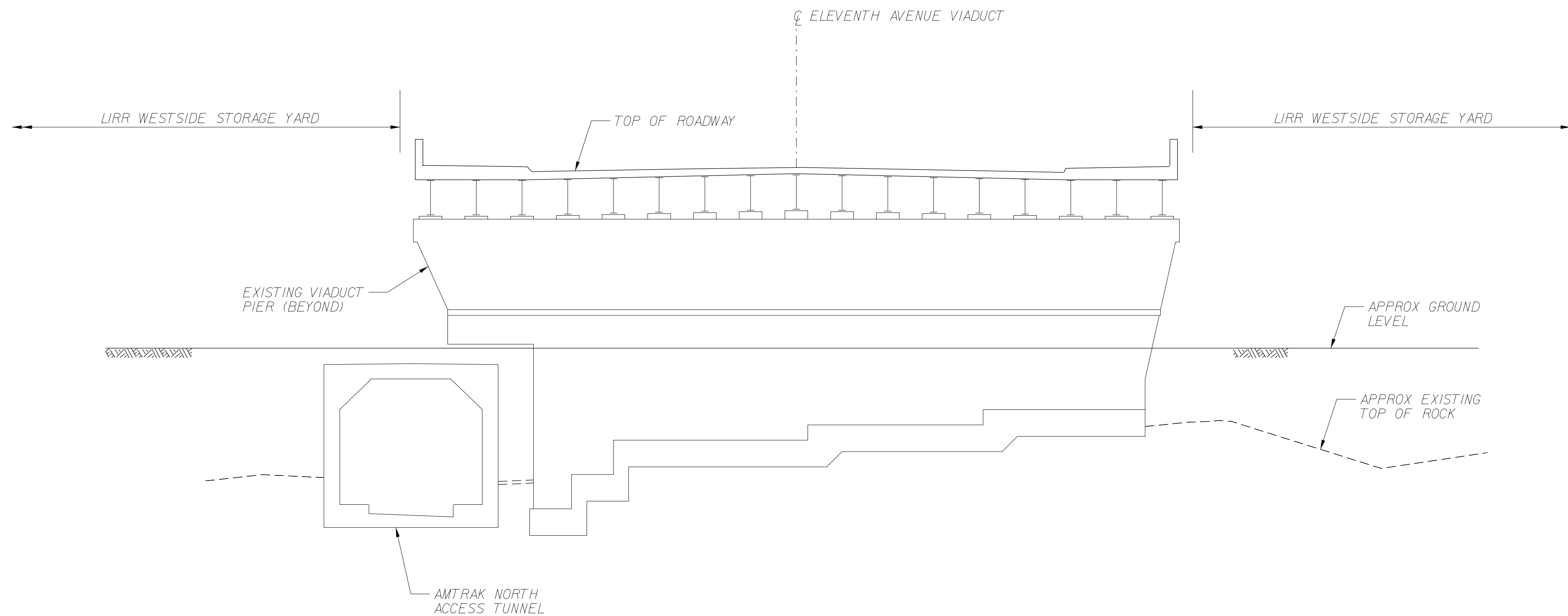
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REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY:
K. UPPAL
DRAWN BY:
M. HOSSAIN
CHECKED BY:
P. WAHL
APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL TRANSVERSE SECTIONS
SHEET 2

DATE:
JAN 19, 2007
DRAWING No.
GP-10302
REVISION:



SECTION S-4
GP-10105

GP-10205
GP-10225

NOTES:
1. FOR NOTES, SEE DRAWING GP-10101.



MTA New York City Transit
Capital Construction

HYDC
Hudson Yards Development Corporation

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
ONE PENN PLAZA, NEW YORK, NY 10119

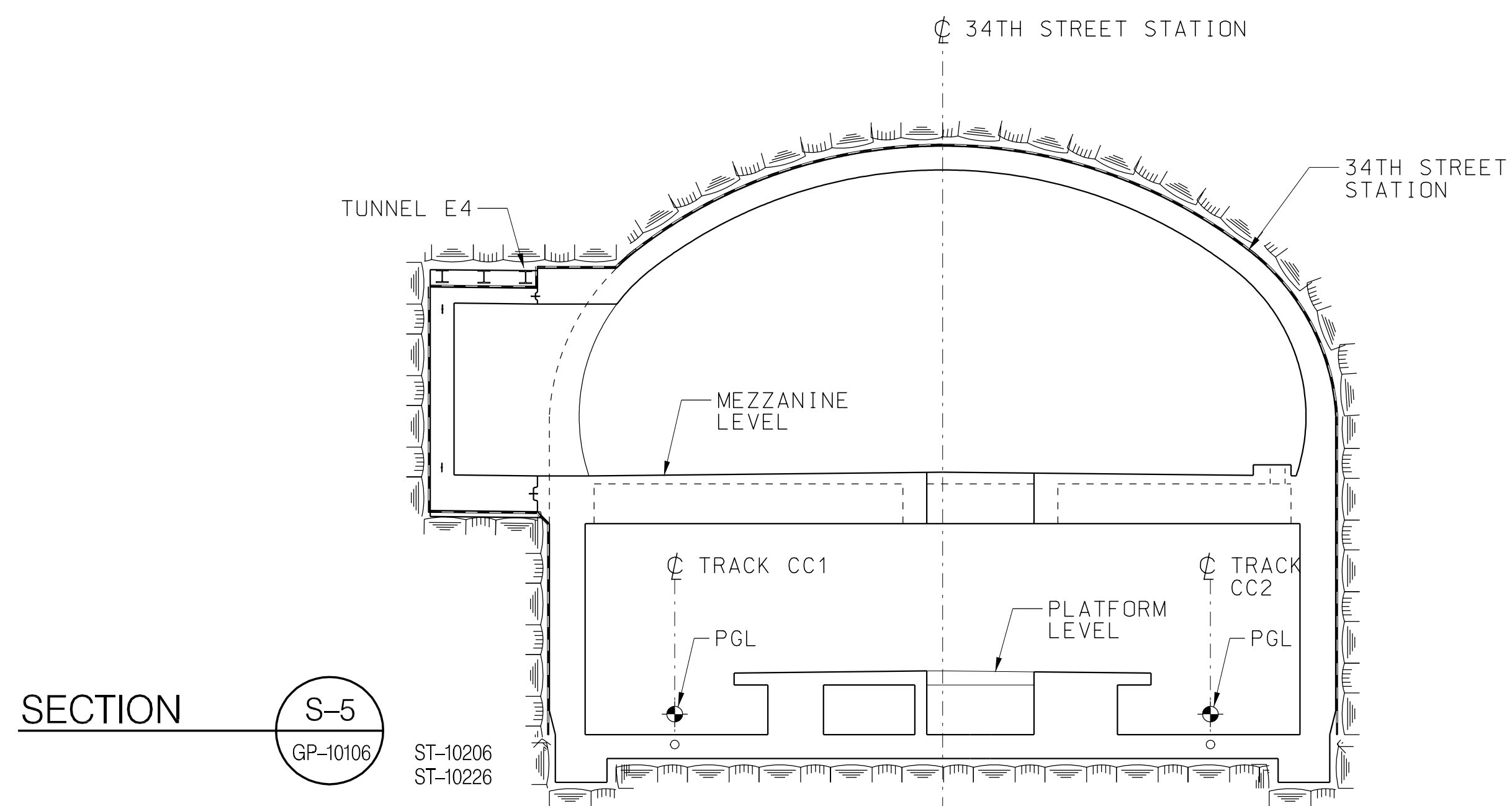
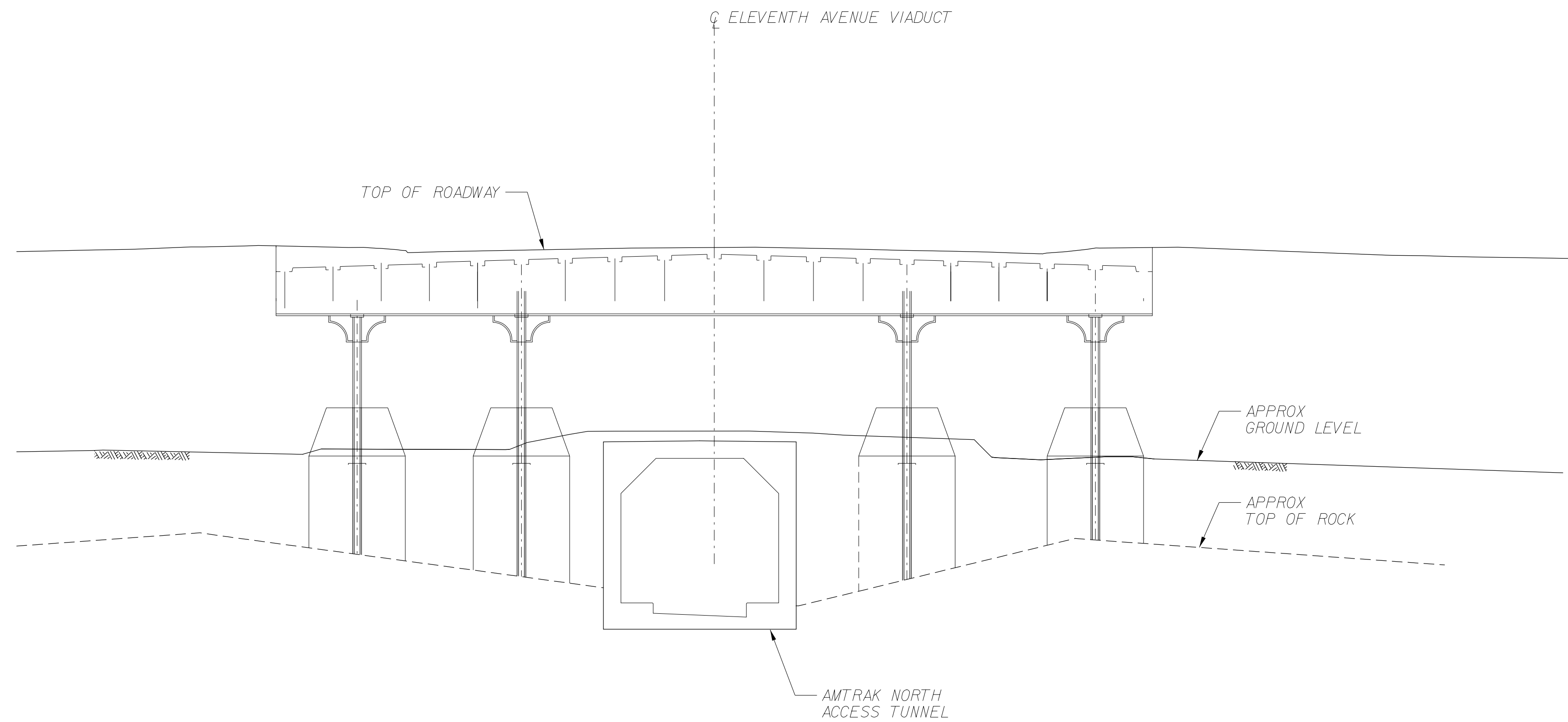
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REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY:
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DRAWN BY:
J. PADILLA
CHECKED BY:
P. WAHL
APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL TRANSVERSE SECTIONS
SHEET 4

DATE:
JAN 19, 2007
DRAWING No.
GP-10304
REVISION:



NOTES:
1. FOR NOTES, SEE DRAWING GP-10101.



MTA New York City Transit
Capital Construction

HYDC
Hudson Yards Development Corporation

PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
ONE PENN PLAZA, NEW YORK, NY 10119

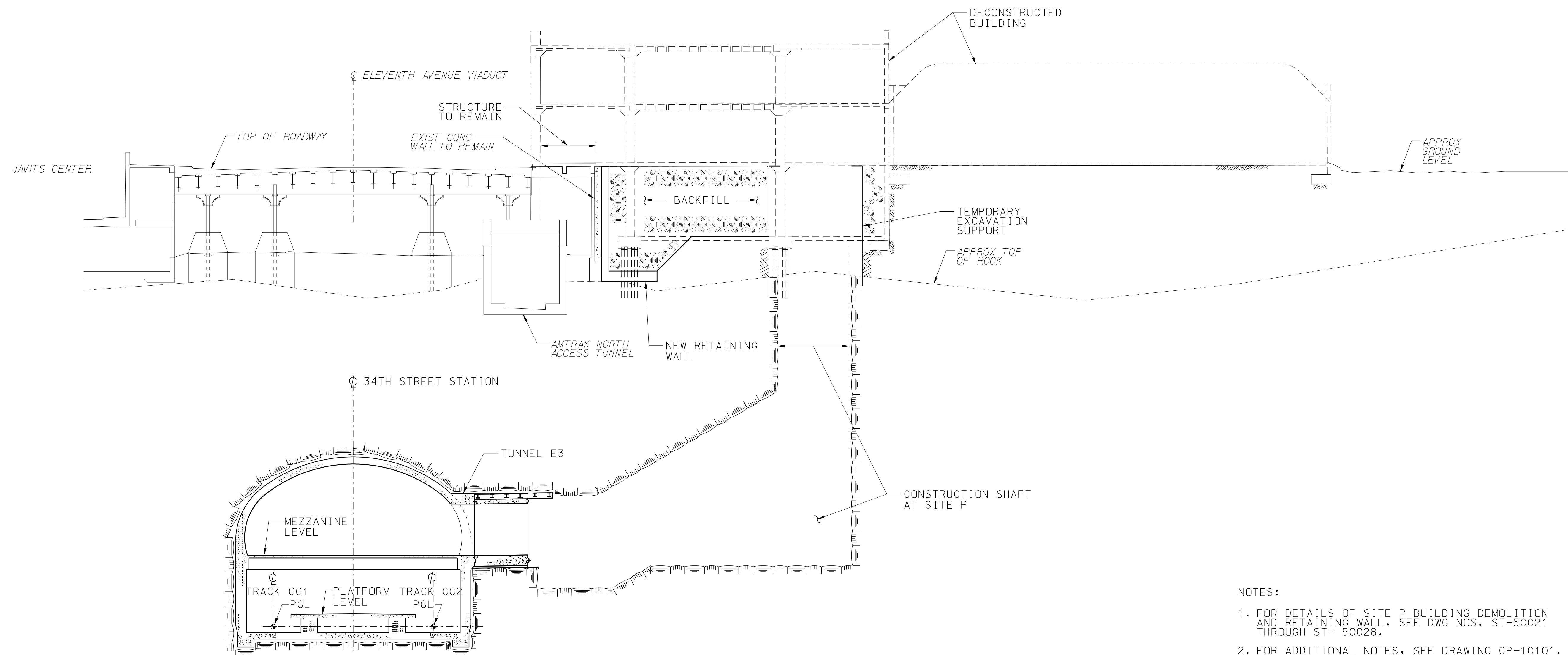
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REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY: K. UPPAL	
DRAWN BY: J. PADILLA	
CHECKED BY: P. WAHL	
APPROVED BY: H. L. BERLINER	

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL TRANSVERSE SECTIONS
SHEET 5

DATE: JAN 19, 2007
DRAWING No. GP-10305
REVISION:



- NOTES:
1. FOR DETAILS OF SITE P BUILDING DEMOLITION AND RETAINING WALL, SEE DWG NOS. ST-50021 THROUGH ST- 50028.
 2. FOR ADDITIONAL NOTES, SEE DRAWING GP-10101.

SECTION S-6
 GP-10106 GP-10206
 GP-10226



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REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY:
K. UPPAL

DRAWN BY:
J. PADILLA

CHECKED BY:
P. WAHL

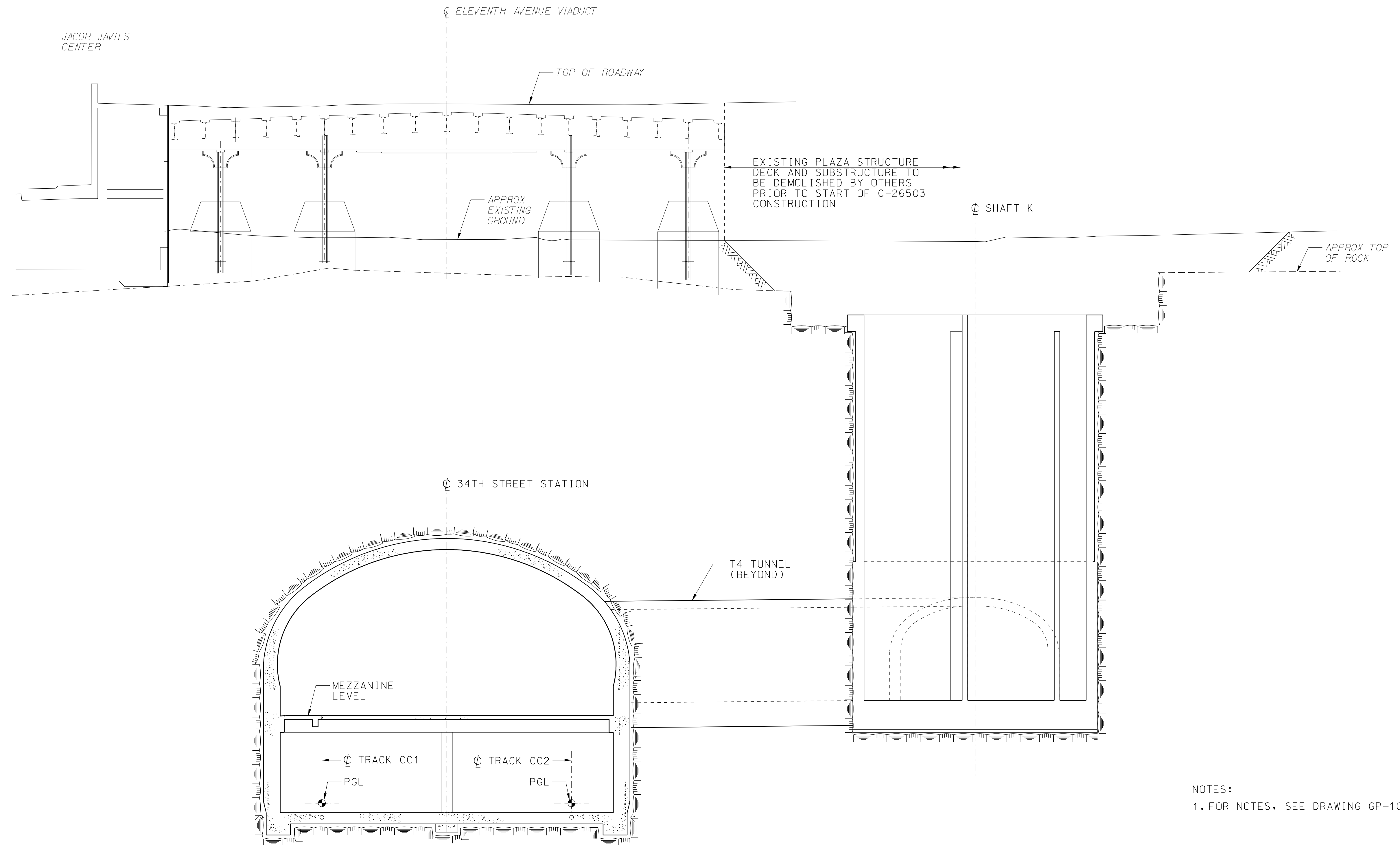
APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
 NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
 GENERAL TRANSVERSE SECTIONS
 SHEET 6

DATE:
JAN 19, 2007

DRAWING No.
GP-10306

REVISION:



NOTES:
 1. FOR NOTES, SEE DRAWING GP-10101.

SECTION S-7
 GP-10107 GP-10207
 GP-10227



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 ONE PENN PLAZA, NEW YORK, NY 10119

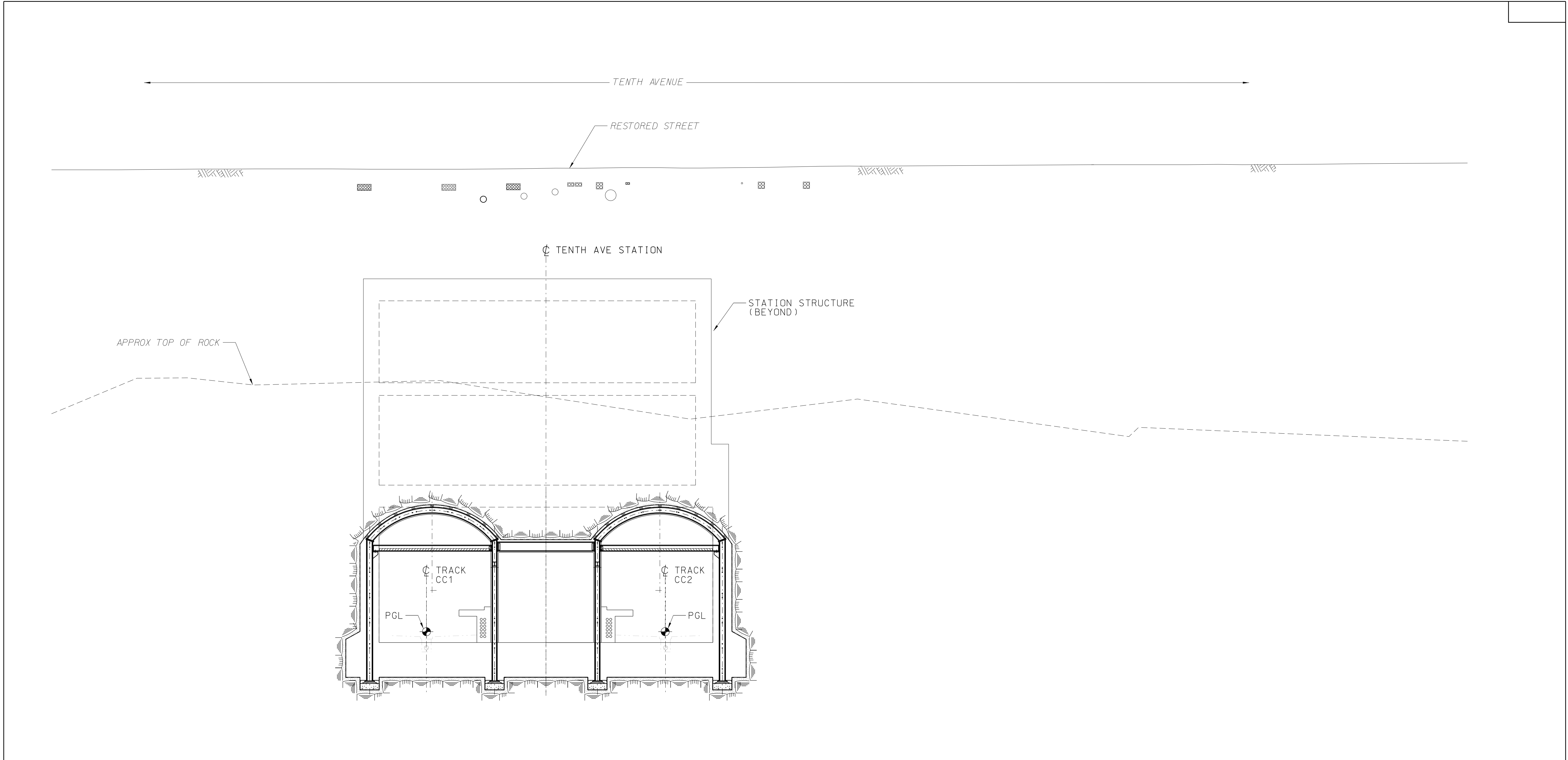
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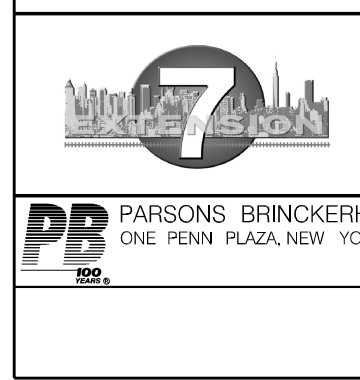
DESIGNED BY:
K. UPPAL
 DRAWN BY:
J. PADILLA
 CHECKED BY:
P. WAHL
 APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
 NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
 GENERAL TRANSVERSE SECTIONS
 SHEET 7

DATE:
JAN 19, 2007
 DRAWING No.
GP-10307
 REVISION:



NOTES:
1. FOR NOTES, SEE DRAWING GP-10101.



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Capital Construction**

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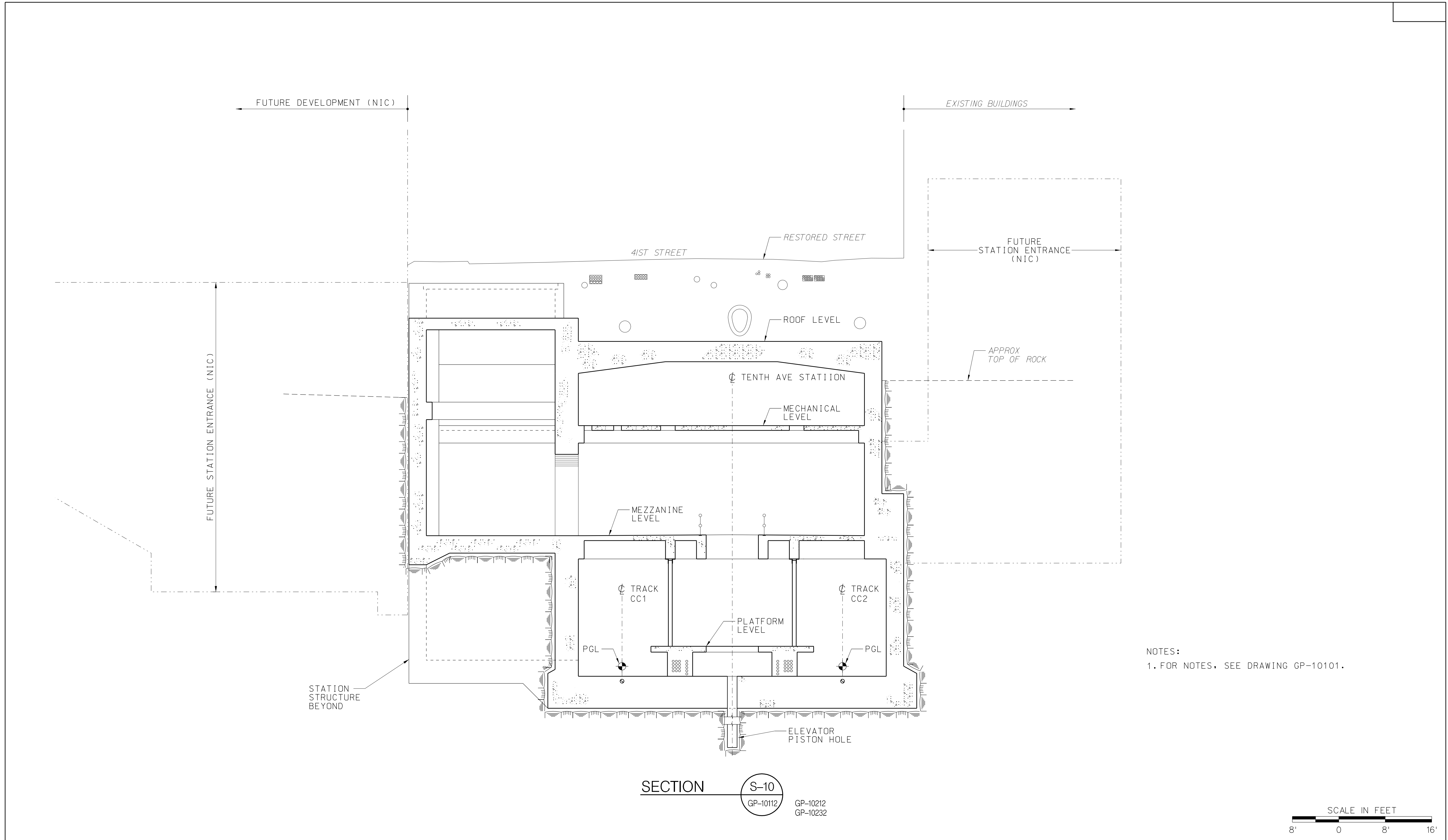
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REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY: K. UPPAL	
DRAWN BY: D. TARECTECAN	
CHECKED BY: P. WAHL	
APPROVED BY: H. L. BERLINER	

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL TRANSVERSE SECTIONS
SHEET 9

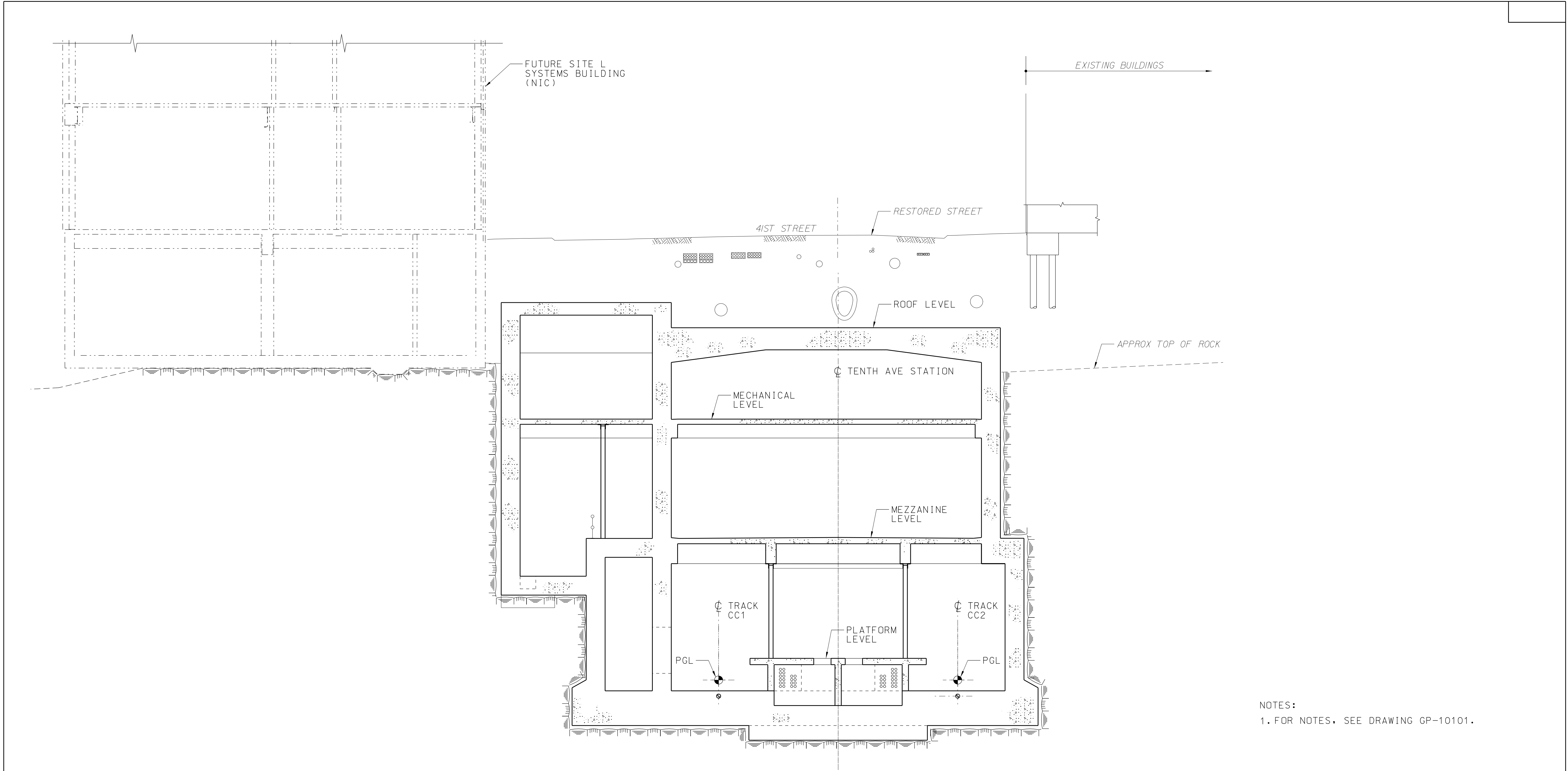
DATE: JAN 19, 2007
DRAWING No. GP-10309
REVISION:



NOTES:
 1. FOR NOTES, SEE DRAWING GP-10101.



		DESIGNED BY: K. UPPAL	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL TRANSVERSE SECTIONS SHEET 10	DATE: JAN 19, 2007
		DRAWN BY: D. TARECTECAN		DRAWING No. GP-10310
IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.		CHECKED BY: P. WAHL		REVISION:
REV	DESCRIPTION	DATE	APPROVED BY: H. L. BERLINER	

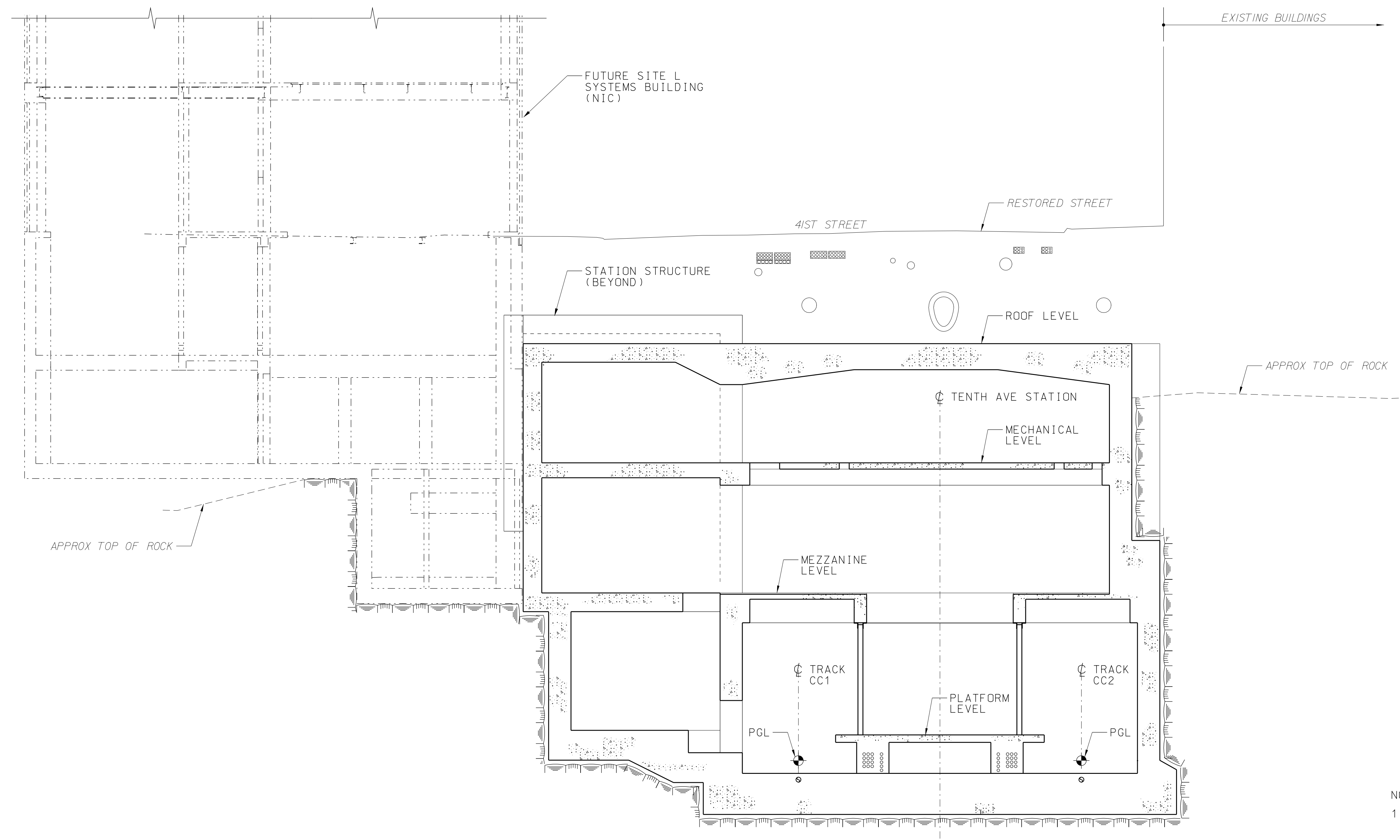


NOTES:
 1. FOR NOTES, SEE DRAWING GP-10101.

SECTION **S-11**
 GP-10112 GP-10212
 GP-10232

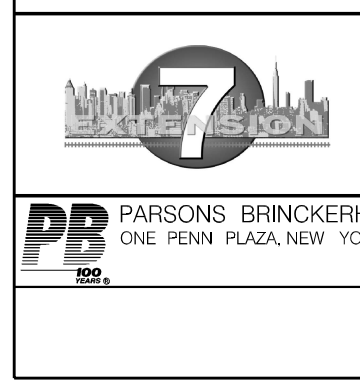


	New York City Transit Capital Construction	<table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV	DESCRIPTION	DATE	APPROVED													DESIGNED BY: K. UPPAL DRAWN BY: D. TARECTECAN CHECKED BY: P. WAHL APPROVED BY: H. L. BERLINER	CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL TRANSVERSE SECTIONS SHEET 11	DATE: JAN 19, 2007 DRAWING No. GP-10311 REVISION:
	REV		DESCRIPTION	DATE	APPROVED																
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NOTES:
 1. FOR NOTES, SEE DRAWING GP-10101.

SECTION **S-12**
 GP-10112 GP-10212
 GP-10232



**New York City Transit
 Capital Construction**

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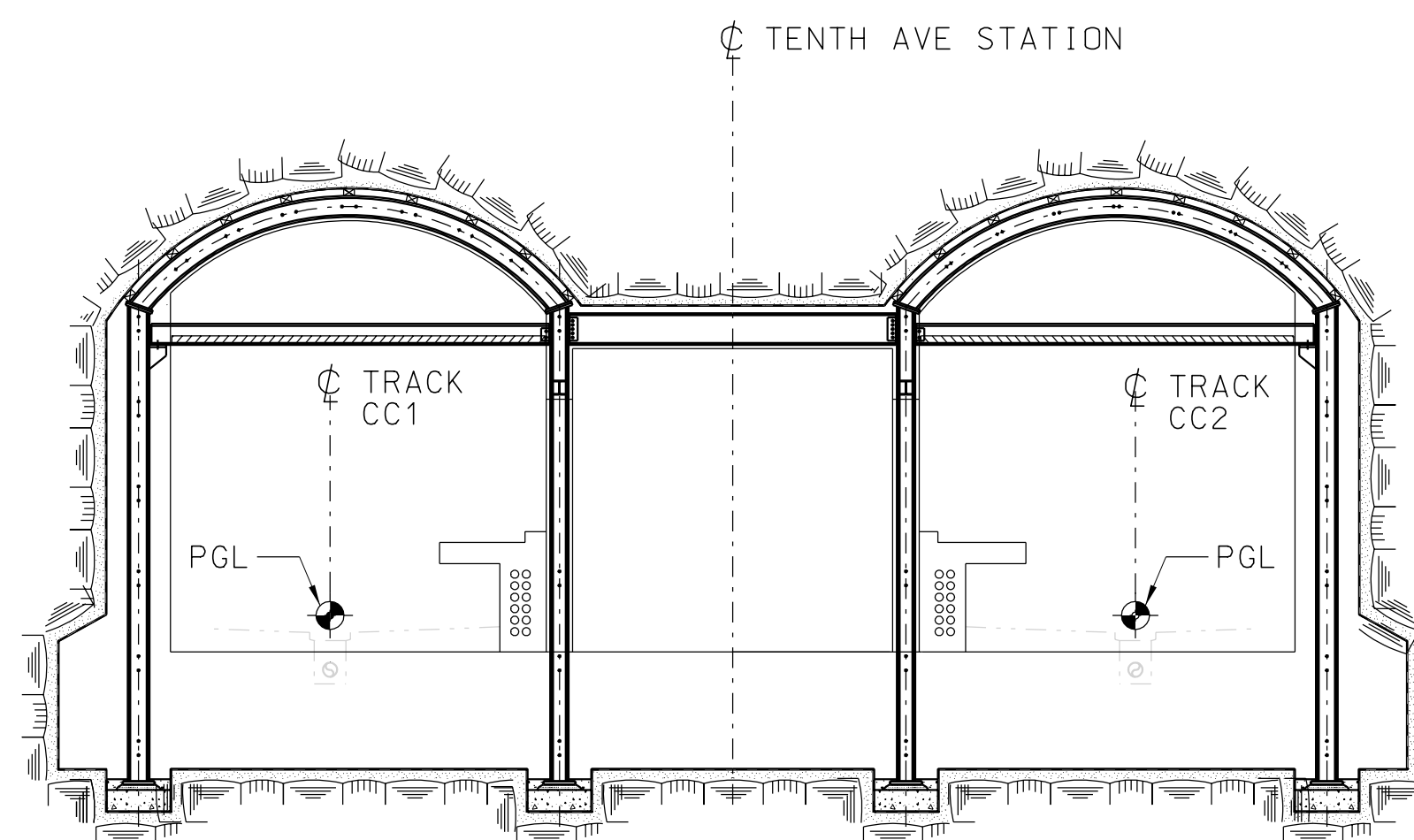
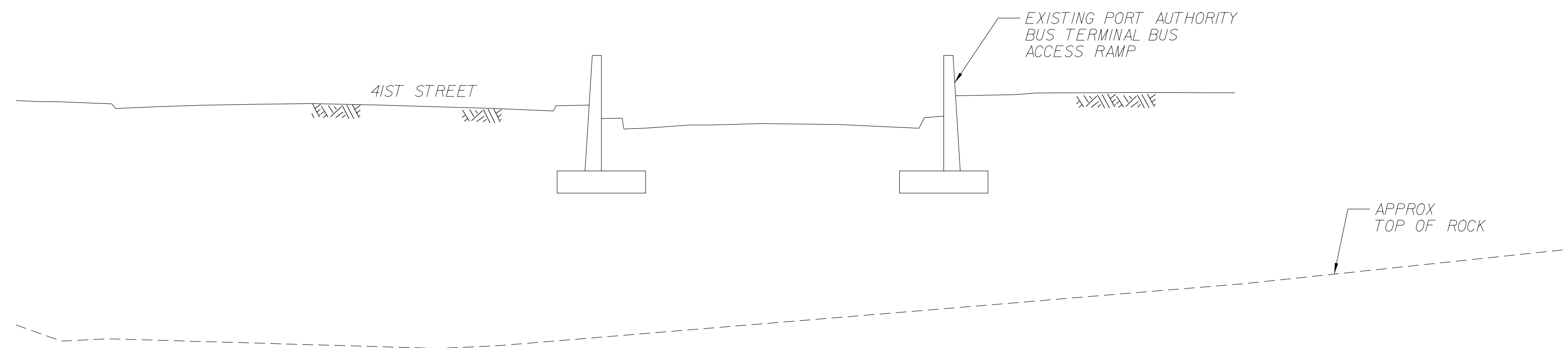
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DESIGNED BY: K. UPPAL	
DRAWN BY: D. TARECTECAN	
CHECKED BY: P. WAHL	
APPROVED BY: H. L. BERLINER	

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL TRANSVERSE SECTIONS
 SHEET 12

DATE: JAN 19, 2007
DRAWING No. GP-10312
REVISION:



SECTION

S-14

GP-10113

NOTES:
1. FOR NOTES, SEE DRAWING GP-10101.



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REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY:
K. UPPAL

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CHECKED BY:
P. WAHL

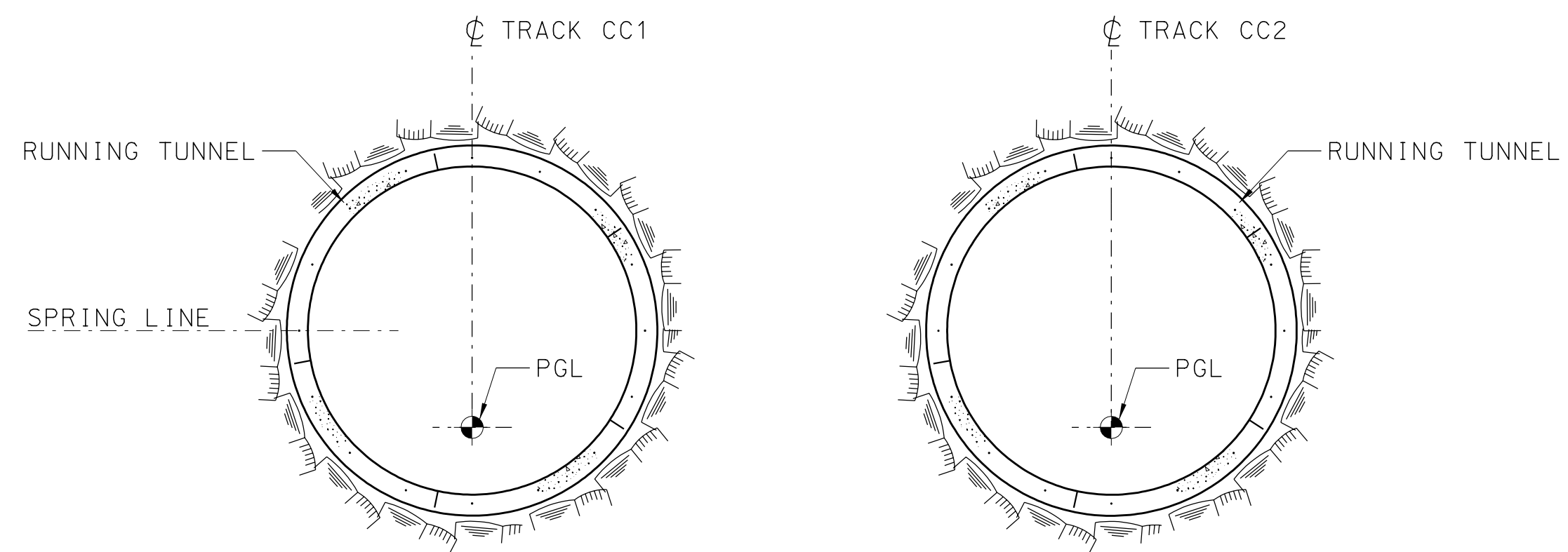
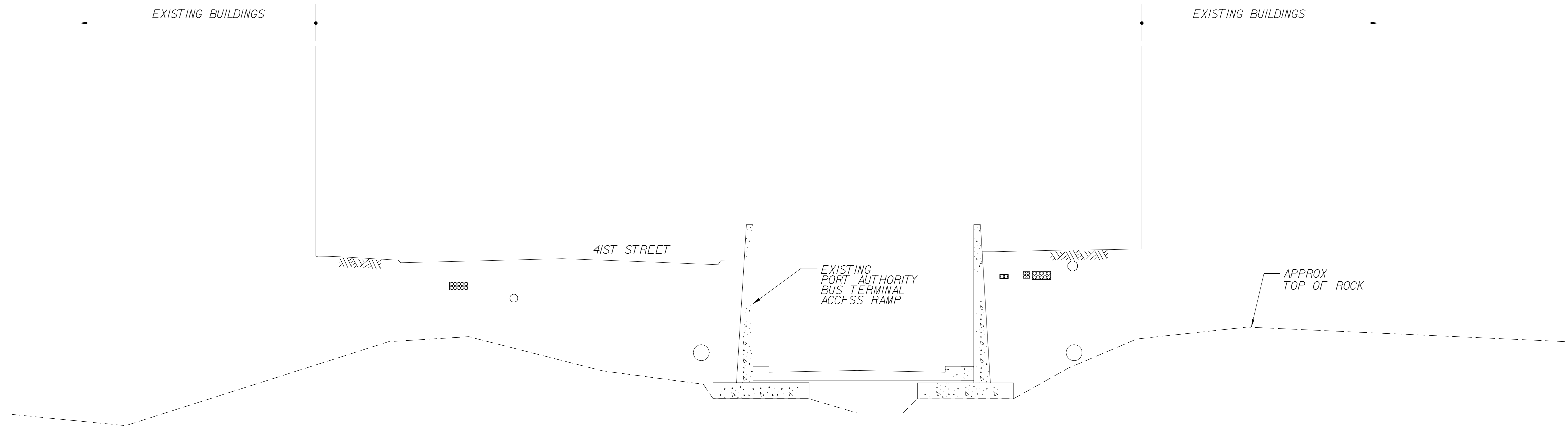
APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL TRANSVERSE SECTIONS
SHEET 14

DATE:
JAN 19, 2007

DRAWING No.
GP-10314

REVISION:



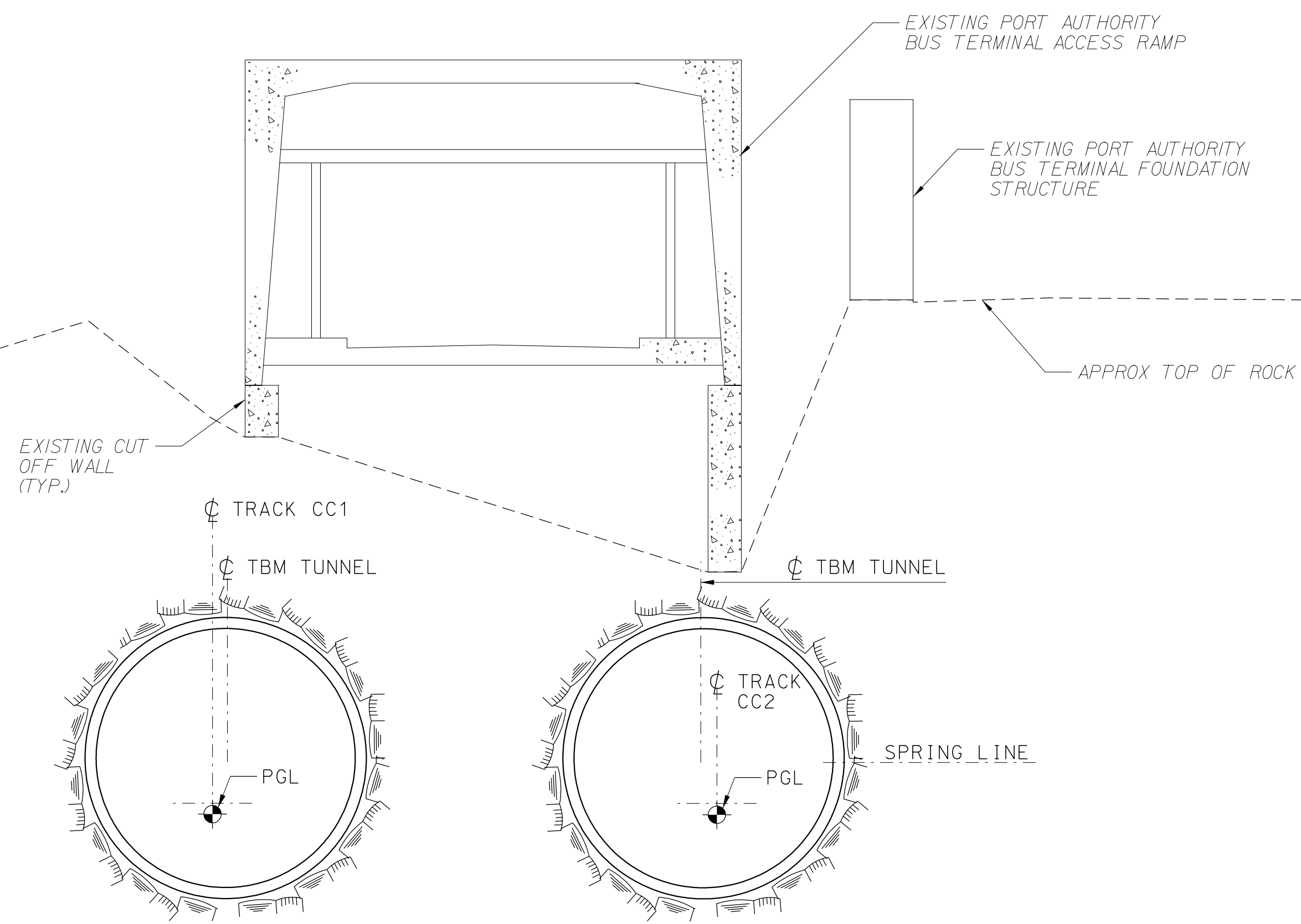
SECTION S-15

GP-10113 GP-10213
GP-10233

NOTES:
1. FOR NOTES, SEE DRAWING GP-10101.



	<p>New York City Transit Capital Construction</p>	<p>Hudson Yards Development Corporation</p>						<p>DESIGNED BY: K. UPPAL</p> <p>DRAWN BY: D. TARECTECAN</p> <p>CHECKED BY: P. WAHL</p> <p>APPROVED BY: H. L. BERLINER</p>	<p>CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL TRANSVERSE SECTIONS SHEET 15</p>	<p>DATE: JAN 19, 2007</p> <p>DRAWING No. GP-10315</p> <p>REVISION:</p>	
<p><small>PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC. ONE PENN PLAZA, NEW YORK, NY 10119</small></p> <p><small>IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.</small></p>											
	REV	DESCRIPTION	DATE	APPROVED							

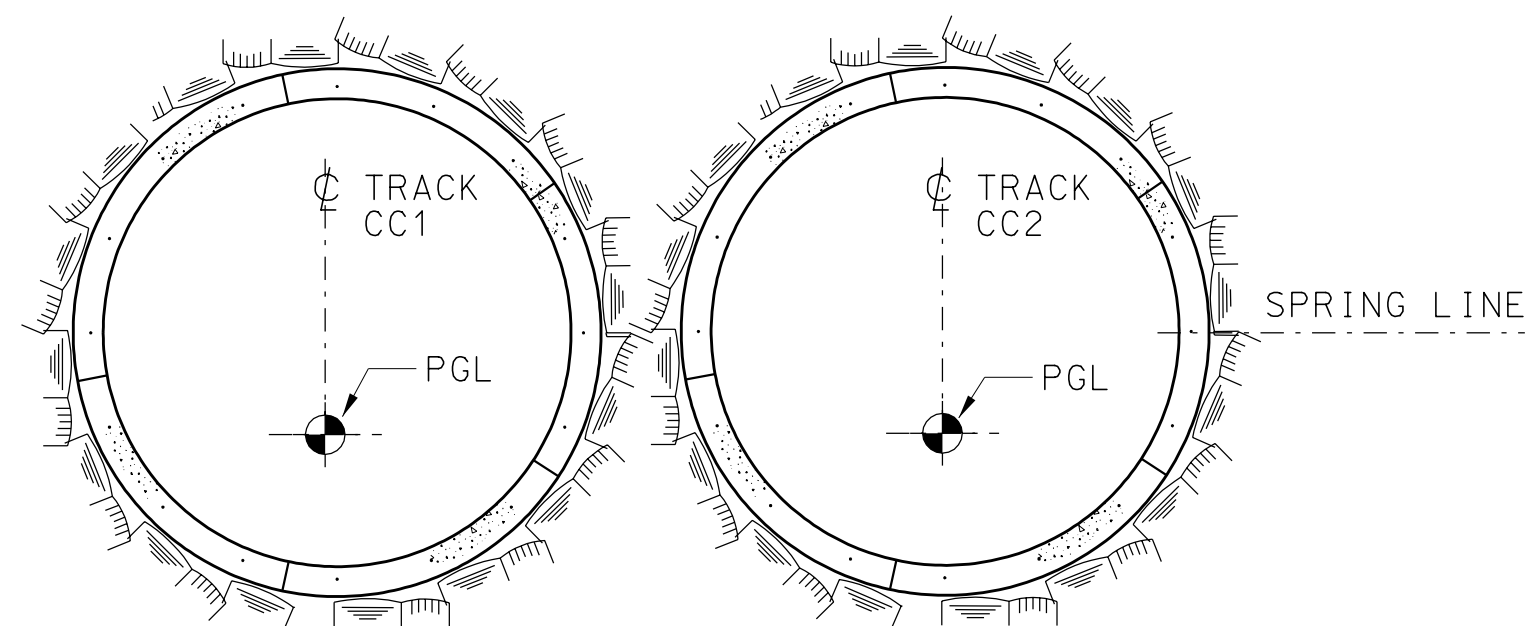
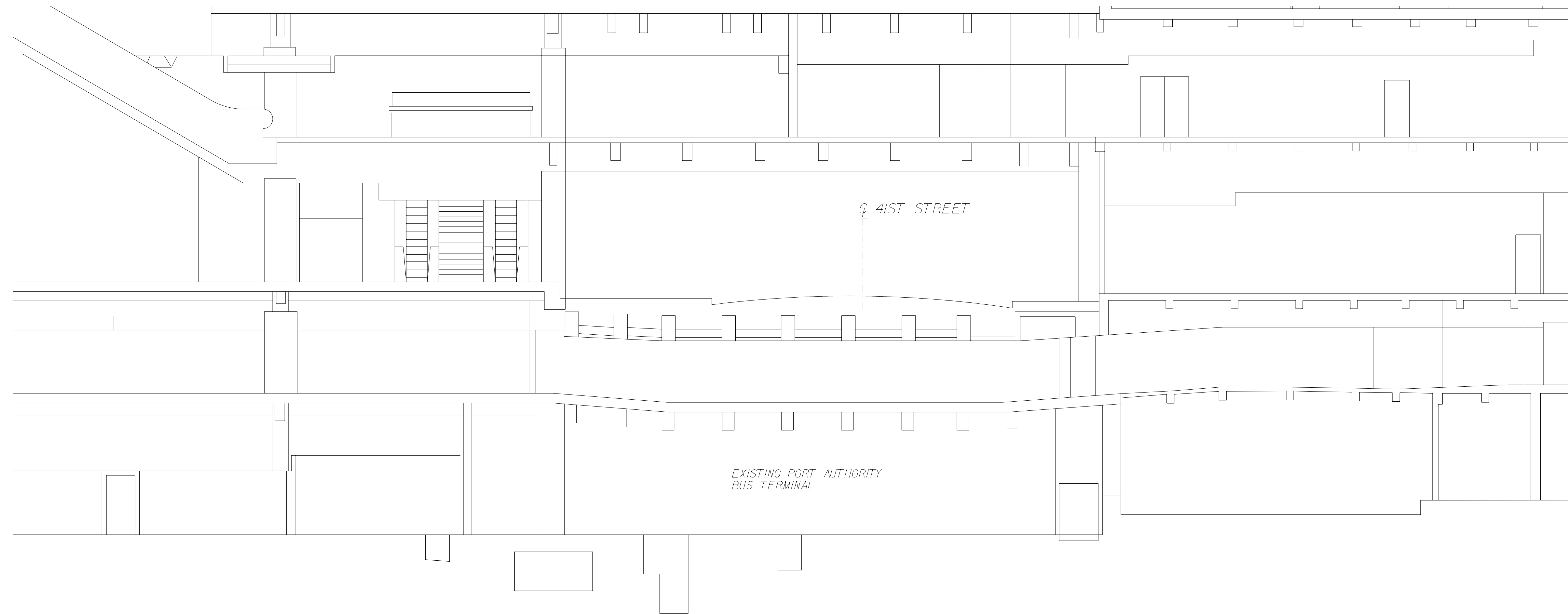


NOTES:
1. FOR NOTES, SEE DRAWING GP-10101.

SECTION S-17
GP-10114 GP-10214
GP-10234



		New York City Transit Capital Construction	 Hudson Yards Development Corporation							CONTRACT C-26503 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN GENERAL TRANSVERSE SECTIONS SHEET 17	DATE: JAN 19, 2007
				PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC. ONE PENN PLAZA, NEW YORK, NY 10119	IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING CONSULTANT SHALL AFFIX HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF ALTERATION. A TA ENGINEER DOES NOT NEED TO ADD HIS/HER SEAL.	REV DESCRIPTION DATE APPROVED	DESIGNED BY: K. UPPAL DRAWN BY: D. TARECTECAN CHECKED BY: P. WAHL APPROVED BY: H. L. BERLINER	DRAWING No. GP-10317 REVISION:			



NOTES:
1. FOR NOTES, SEE DRAWING GP-10101.

SECTION S-18

GP-10115 GP-10215
GP-10235

SCALE IN FEET
8' 0 8' 16'



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PB PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
ONE PENN PLAZA, NEW YORK, NY 10119

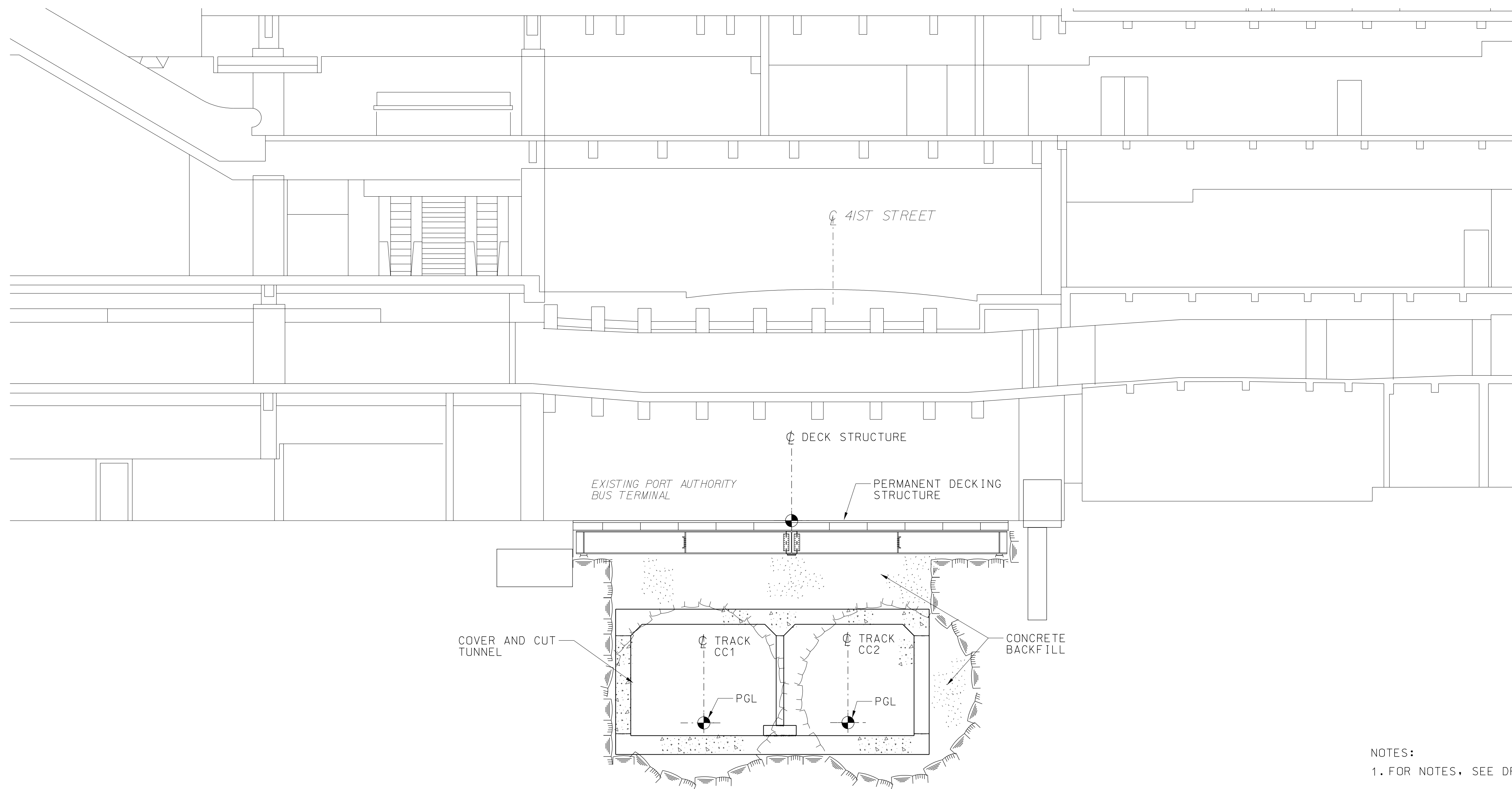
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DRAWN BY: D. TARECTECAN	
CHECKED BY: P. WAHL	
APPROVED BY: H. L. BERLINER	

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL TRANSVERSE SECTIONS
SHEET 18

DATE: JAN 19, 2007
DRAWING No. GP-10318
REVISION:



NOTES:
 1. FOR NOTES, SEE DRAWING GP-10101.

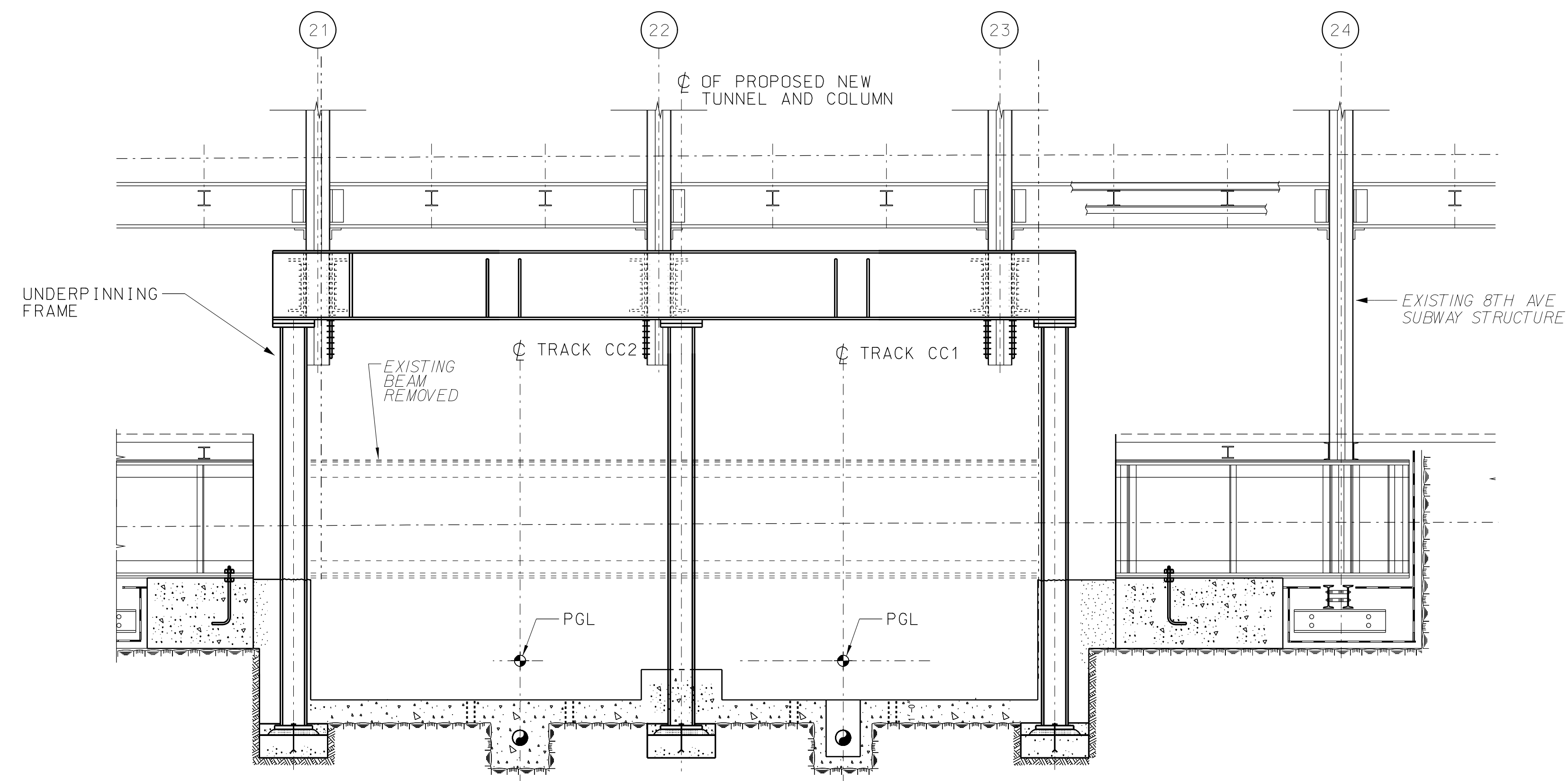
SECTION S-19
 GP-10115 GP-10215
 GP-10235



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NOTES:

1. FOR NOTES, SEE DWG GP-10101.



SECTION

S-20
GP-10115

GP-10215
GP-10235



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PB PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
ONE PENN PLAZA, NEW YORK, NY 10119

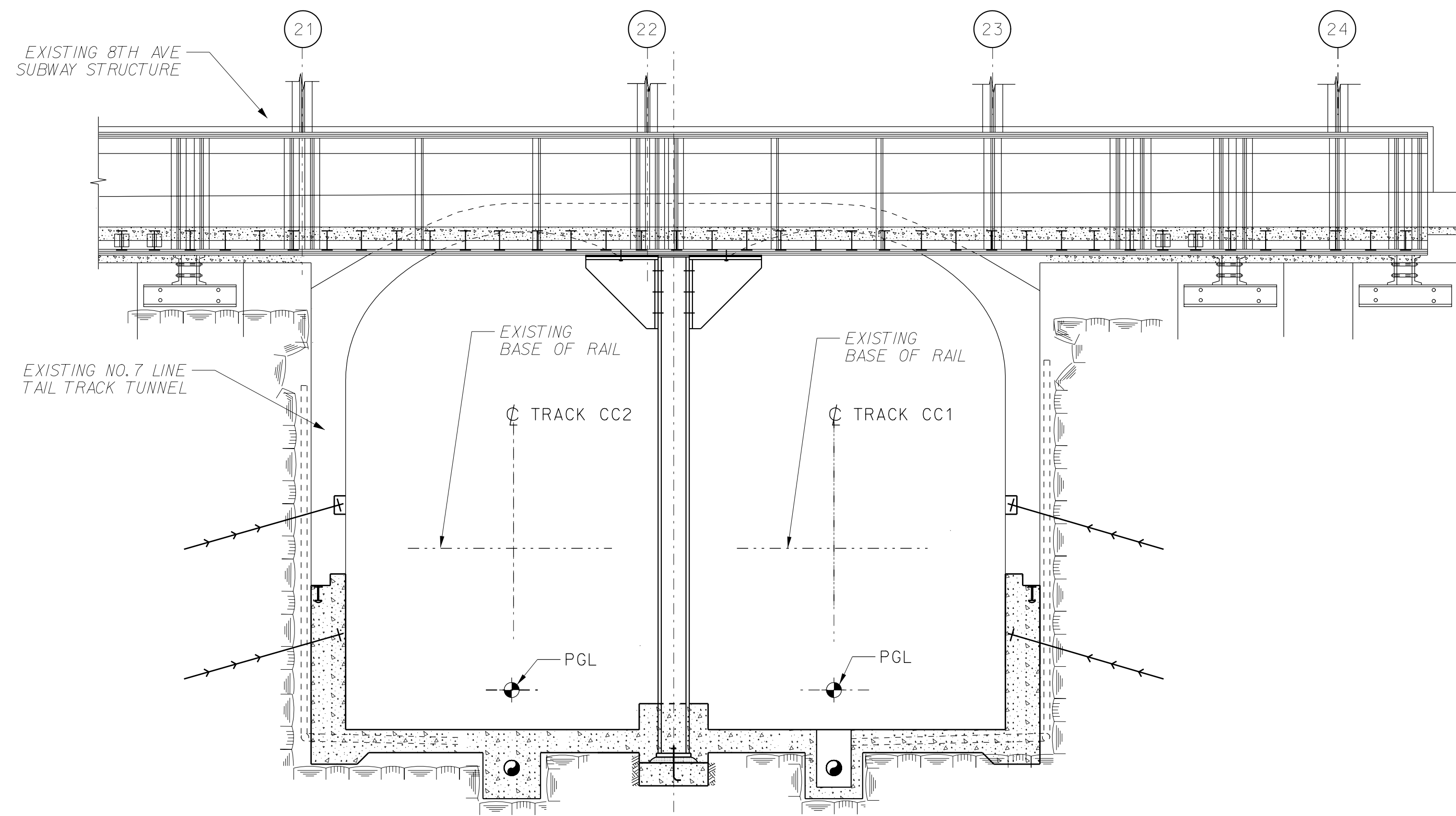
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DRAWN BY: D. TARECTECAN	
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APPROVED BY: H. L. BERLINER	

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL TRANSVERSE SECTIONS
SHEET 20

DATE: JAN 19, 2007
DRAWING No. GP-10320
REVISION:



SECTION

S-21
GP-10115

GP-10215
GP-10235

NOTES:
1. FOR NOTES, SEE DRAWING GP-10101.



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PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.
ONE PENN PLAZA, NEW YORK, NY 10119

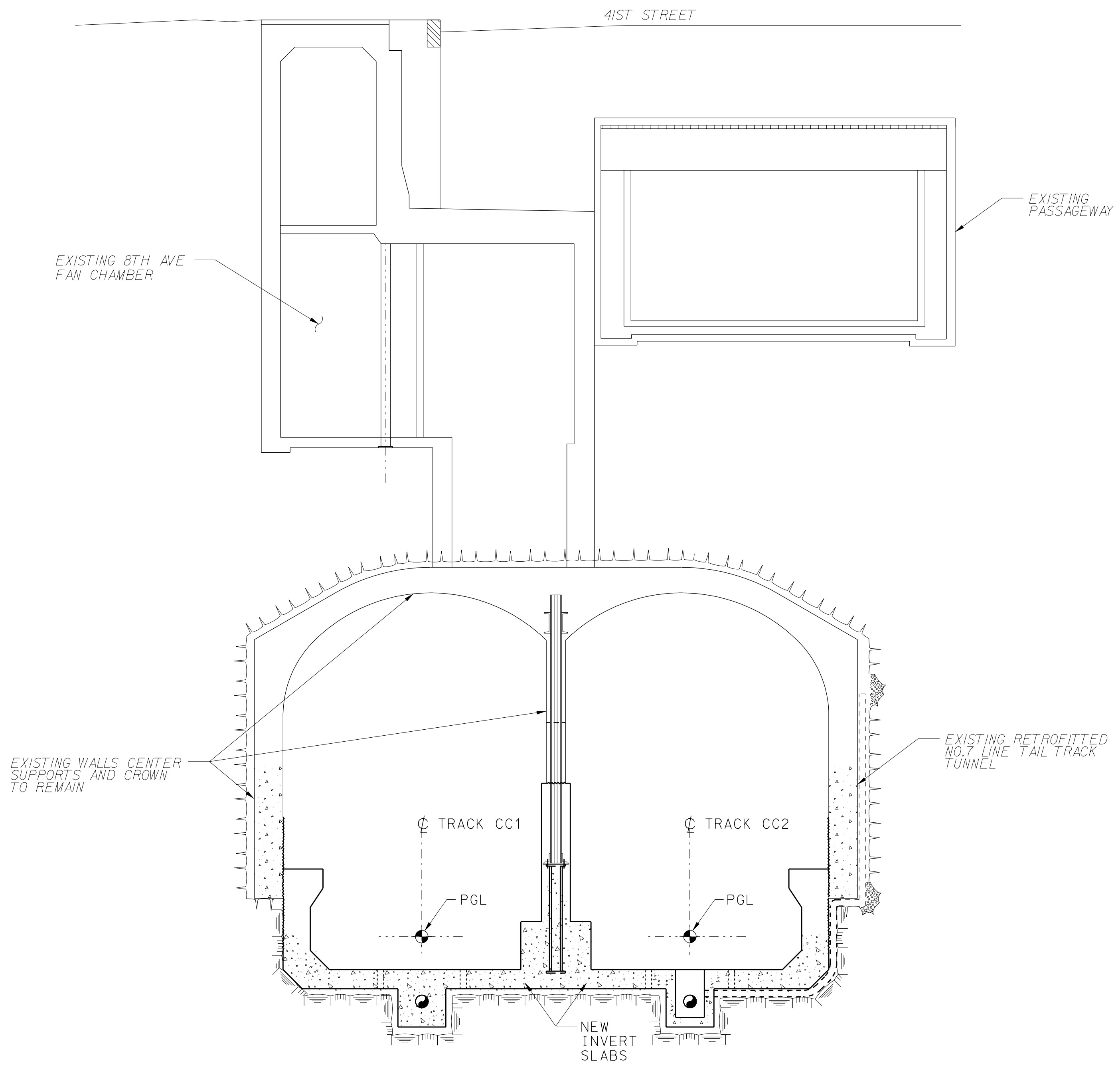
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REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY:
K. UPPAL
DRAWN BY:
D. TARETECAN
CHECKED BY:
P. WAHL
APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
GENERAL TRANSVERSE SECTIONS
SHEET 21

DATE:
JAN 19, 2007
DRAWING No.
GP-10321
REVISION:



NOTES:
 1. FOR NOTES, SEE DWG NO GP-10101.



SECTION S-22
 GP-10115 GP-10215 GP-10235



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REV	DESCRIPTION	DATE	APPROVED

DESIGNED BY:
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 DRAWN BY:
D. TARETECAN
 CHECKED BY:
P. WAHL
 APPROVED BY:
H. L. BERLINER

CONTRACT C-26503
 CONSTRUCTION OF RUNNING TUNNELS AND STATION STRUCTURES
 NUMBER 7 (FLUSHING) LINE EXTENSION, "A" DIVISION (IRT), BOROUGH OF MANHATTAN
 GENERAL TRANSVERSE SECTIONS
 SHEET 22

DATE:
JAN 19, 2007
 DRAWING No.
GP-10322
 REVISION: