CHAMPLAIN HUDSON POWER EXPRESS SEGMENTS 13 TO 15 - PACKAGE 8 - TRANSITION VAULT 5 TO ASTORIA CONVERTER STATION BRONX, NEW YORK AND QUEENS COUNTIES, NEW YORK ISSUED FOR CONSTRUCTION SUBMISSION JULY 31, 2023













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SCALE: 1" = 1000'





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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	

CHAMPLAIN HUDSON POWER EXPRESS SEGMENTS 13 TO 15 - PACKAGE 8 RANSITION VAULT 5 TO ASTORIA CONVERTER STATION

KIEWIT PROJECT NO. 21162 KC PROJECT NO. 120174 DRAWING NO.

G-000

COVER SHEET

AWN BY: DESIGNED BY: MK APPROVED BY: CV SCALE REV. NO. AS SHOWN DATE 0 SH.NO. 07/31/2023 1 OF

SHEET IVALE SHEET IVALE PACHAGE & GONERAL SHEETS		
SHEET NUMBER SHEET TILE C-000 COVER SHEET C-001 SHEET NUEX C-002 PROJECT WICE CADERAL NOTES 01 C-003 PROJECT WICE CADERAL NOTES 01 G-004 PACANDE & CONTROL CADERAL NOTES G-005 LECEND & ABBREVATIONS G-006 PACANDE & SECONC CENDERAL NOTES G-007 ELACO DATA TABLE 01 G-008 PLAN AND PROFILE KY MAP & SUCE LOCATION TABLE G-009 CHACP DATA TABLE 02 PARAKE & PLAN AND PROFILE SHEETS C-101 C-101 STA. B0030+00 TO STA. B0032+00 PLAN AND PROFILE C-102 STA. B0033+00 TO STA. B0032+00 PLAN AND PROFILE C-103 STA. B0033+00 TO STA. B0032+00 PLAN AND PROFILE C-104 STA. B0033+00 TO STA. B0032+00 PLAN AND PROFILE C-105 STA. B0035+00 TO STA. B0032+00 PLAN AND PROFILE C-106 STA. B0035+00 TO STA. B0032+00 PLAN AND PROFILE C-107 STA. B0035+00 TO STA. B0032+00 PLAN AND PROFILE C-108 STA. B0035+00 TO STA. B0032+00 PLAN AND PROFILE C-109 STA. B0035+00 TO STA. B0032+00 PLAN AND PROFILE C-101 STA. B0035+00 TO STA. B	SHEET LIST TABLE	
PACKAGE I: GENERAL SHETS G-000 COVER SHET G-001 SHET INDEX G-002 PROJECT INDE GENERAL NOTES G-003 PACKAGE 8 SECONC GENERAL NOTES G-004 PACKAGE 8 SECONC GENERAL NOTES G-005 LECEND & ABREYANDINS G-006 PLAN AND PROFILE KEY MAP & SPLOE LOCATION TABLE G-007 ELMACP DATA TABLES 01 G-008 ELMACP DATA TABLES 02 PACKAGE 8 PACKAGE 8 SECONC DESTA. 8003-040 PLAN AND PROFILE G-101 STA. 80030-00 TO STA. 8003-040 PLAN AND PROFILE G-102 STA. 80030-00 TO STA. 8003-040 PLAN AND PROFILE G-103 STA. 80030-00 TO STA. 8003-040 PLAN AND PROFILE G-104 STA. 80030-00 TO STA. 8003-040 PLAN AND PROFILE G-105 STA. 80030-00 TO STA. 8003-040 PLAN AND PROFILE G-106 STA. 80030-00 TO STA. 8003-040 PLAN AND PROFILE G-107 STA. 80030-00 TO STA. 8003-040 PLAN AND PROFILE G-108 STA. 80030-00 TO STA. 8003-040 PLAN AND PROFILE G-109 STA. 80030-00 TO STA. 8003-040 PLAN AND PROFILE G-101 STA. 80030-00 TO STA. 8003-040 PLAN AND PROFILE C-102 S	SHEET NUMBER	SHEET TITLE
G-000 COVER SHET G-001 SHET NDEX G-003 PROJECT MDE CREMENL NOTES G-004 PROJECT MDE CREMENL NOTES G-005 PLECH MDE CREMENL NOTES G-006 PLECH MDE CREMENL NOTES G-007 PLECH MDE CREMENL NOTES G-008 PLECH MDE CREMENL NOTES G-006 PLEVA MD ROTICE KEY MMP & SPLUE LOCATION TABLE G-007 PLEACP DATA TABLES 01 G-008 ELMACP DATA TABLES 02 PACKARE & PLMA MD PROTILE SHETTS G G-101 STA. 80034400 TO STA. 80034400 PLMA ND PROTILE C-102 STA. 80034400 TO STA. 80034400 PLMA ND PROTILE C-103 STA. 80034400 TO STA. 80034400 PLMA ND PROTILE C-104 STA. 80034400 TO STA. 80034400 PLMA ND PROTILE C-105 STA. 80034400 TO STA. 80034400 PLMA ND PROTILE C-106 STA. 80034400 TO STA. 80034400 PLMA ND PROTILE C-107 STA. 80034400 TO STA. 80034400 PLMA ND PROTILE C-108 STA. 80034400 TO STA. 80034400 PLMA ND PROTILE C-104 STA. 80034400 TO STA. 80034400 PLMA ND PROTILE C-105 HDD JISA CRESSKE, CONDUIT 1 <	PACKAGE 8: GENE	RAL SHEETS
G-001 SHEET INDEX C-002 PROJECT WOE CANERAL NOTES 01 C-003 PACAGE & SPECIFIC ENERTION NOTES C-004 PACKAGE & SPECIFIC ENERTION NOTES C-005 LECKN & ABRENATIONS C-006 PLAN AND PROFILE KEY MAP & SPLUE LOCATION TABLE C-007 EMACP DATA TABLES 01 C-001 STA. 8003-00 TO STA. 8003-00 PLAN AND PROFILE C-101 STA. 8003-00 TO STA. 8003-00 PLAN AND PROFILE C-102 STA. 8003-00 TO STA. 8003-00 PLAN AND PROFILE C-103 STA. 8003-00 TO STA. 8003-00 PLAN AND PROFILE C-104 STA. 8003-00 TO STA. 8003-00 PLAN AND PROFILE C-105 STA. 8003-00 TO STA. 8003-00 PLAN AND PROFILE C-106 STA. 8003-00 TO STA. 8003-00 PLAN AND PROFILE C-107 STA. 8003-00 TO STA. 8003-00 PLAN AND PROFILE C-108 STA. 8003-00 TO STA. 8003-00 PLAN AND PROFILE C-109 STA. 8003-00 TO STA. 8003-00 PLAN AND PROFILE C-104 STA. 8003-00 TO STA. 8003-00 PLAN AND PROFILE C-105 STA. 8003-00 TO STA. 8003-00 PLAN AND PROFILE C-106 STA. 8003-00 TO STA. 8003-00 PLAN AND PROFILE C-107 STA. 8003-00 TO STA. 800	G-000	COVER SHEET
G-002 PROACE WEE GENERAL NOTES 0 G-003 PACKAGE 8 SPECIFIC GENERAL NOTES G-004 PACKAGE 8 SPECIFIC GENERAL NOTES G-005 LEGEN & ABRICHATIONS G-006 PLAH AND PROFIC EXTERAL REST VAR & SPUCE LOCATION TABLE G-007 EMACP DATA TABLES 01 G-008 ELGEN & ABRICHATIONS G-009 EMACP DATA TABLES 01 G-001 STA. 80034-00 TO STA. 80134-00 PLAN AND PROFILE C-102 STA. 800324-00 TO STA. 80134-00 PLAN AND PROFILE C-103 STA. 800324-00 TO STA. 80134-00 PLAN AND PROFILE C-104 STA. 800324-00 TO STA. 80034-00 PLAN AND PROFILE C-105 STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-106 STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-107 STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-108 STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-109 STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-109 STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-101 STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-102 STA. 80034-00 TO STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-103	G-001	SHEET INDEX
G-003 PACKAGE & SPECIPIC EDERATAL NOTES G-004 PACKAGE & SPECIPIC EDESTORATION NOTES G-006 ILEGND & ASBREYNATIONS G-007 ELMACP DATA TABLES 01 G-008 ILMACP DATA TABLES 02 PACKAGE & SPECATION STALESES NOT STA. 8000-HOD TO STA. 8002-HOD PLAN AND PROFILE G-101 STA. 8000-HOD TO STA. 8002-HOD PLAN AND PROFILE C-102 STA. 8003-HOD TO STA. 8002-HOD PLAN AND PROFILE C-103 STA. 8003-HOD TO STA. 8002-HOD PLAN AND PROFILE C-104 STA. 8003-HOD TO STA. 8002-HOD PLAN AND PROFILE C-105 STA. 8003-HOD TO STA. 8002-HOD PLAN AND PROFILE C-106 STA. 8003-HOD TO STA. 8002-HOD PLAN AND PROFILE C-107 STA. 8003-HOD TO STA. 8002-HOD PLAN AND PROFILE C-108 STA. 8003-HOD TO STA. 8002-HOD PLAN AND PROFILE C-107 STA. 8003-HOD TO STA. 8002-HOD PLAN AND PROFILE C-108 STA. 8003-HOD TO STA. 8002-HOD PLAN AND PROFILE C-109 STA. 8003-HOD TO STA. 8002-HOD PLAN AND PROFILE C-101 STA. 8003-HOD TO STA. 8002-HOD PLAN AND PROFILE C-202 STARMORE AND WORK AREA - BROXX C-203 HOD gTAS CROSSING, COMOUT 1	G-002	PROJECT WIDE GENERAL NOTES 01
G-004 PACARGE & SPECIPIC RESTORATION NOTES C-005 LECHOR & ABBEWATIONS G-006 PLAN AND PROFILE KEY MAP & SPLICE LOCATION TABLE G-007 DMACP DATA TABLES 01 G-008 DMACP DATA TABLES 02 PACARGE & FLAN AND PROFILE SKEETS C C-101 STA. 80003-00 TO STA. 80013-00 PLAN AND PROFILE C-102 STA. 80003-00 TO STA. 80033-00 PLAN AND PROFILE C-103 STA. 80035-00 TO STA. 80033-00 PLAN AND PROFILE C-104 STA. 80037-00 TO STA. 80037-00 PLAN AND PROFILE C-105 STA. 80037-00 TO STA. 80037-00 PLAN AND PROFILE C-106 STA. 80037-00 TO STA. 80037-00 PLAN AND PROFILE C-107 STA. 80037-00 TO STA. 80037-00 PLAN AND PROFILE C-108 STA. 80037-00 TO STA. 80037-00 PLAN AND PROFILE C-109 STA. 80037-00 TO STA. 80037-00 PLAN AND PROFILE C-104 STA. 80037-00 TO STA. 80037-00 PLAN AND PROFILE C-105 STA. 80037-00 TO STA. 80037-00 PLAN AND PROFILE C-106 STA. 80037-00 TO STA. 80037-00 PLAN AND PROFILE C-106 STA. 80037-00 TO STA. 80037-00 PLAN AND PROFILE C-107 STA.80037-00 TO STA. 80037-00 PLAN AND PROFILE	G-003	PACKAGE 8 SPECIFIC GENERAL NOTES
G-005 LEORIN & ADBREVATIONS C-006 PLM AND PROFILE KEY MAP & SPLICE LOCATION TABLE G-007 EMACP DATA TABLES 01 G-008 EMACP DATA TABLES 02 PACKARE &: PLWA NADP ROFILE STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-101 STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-103 STA. 80038-00 TO STA. 80034-00 PLAN AND PROFILE C-104 STA. 80038-00 TO STA. 80036-00 PLAN AND PROFILE C-105 STA. 80036-100 TO STA. 80037-00 PLAN AND PROFILE C-106 STA. 80036-100 TO STA. 80037-00 PLAN AND PROFILE C-107 STA. 80036-100 TO STA. 80037-00 PLAN AND PROFILE C-108 STA. 80036-100 TO STA. 80037-00 PLAN AND PROFILE C-109 STA. 80036-100 TO STA. 80037-00 PLAN AND PROFILE C-108 STA. 80036-100 TO STA. 80037-00 PLAN AND PROFILE C-109 STA. 80036-100 TO STA. 80037-00 PLAN AND PROFILE C-108 STA. 80037-00 TO STA. 80037-00 PLAN AND PROFILE C-109 STA. 80038-00 TO STA. 80037-00 PLAN AND PROFILE C-201 STA.80038-00 TO STA. 80037-00 PLAN AND PROFILE C-210 STA.80038-00 TO STA. 80037-00 TO STA. 800	G-004	PACKAGE 8 SPECIFIC RESTORATION NOTES
G-006 PLM AND PROFILE KY MAP & SPLICE LOCATION TABLE G-007 EMACP DATA TABLES 01 G-008 EMACP DATA TABLES 02 PACKAGE B: FLAW AND PROFILE STEETS C C-101 STA. 80003-H00 TO STA. 80033-00 PLAN AND PROFILE C-102 STA. 80034-00 TO STA. 80033-00 PLAN AND PROFILE C-103 STA. 80034-00 TO STA. 80033-00 PLAN AND PROFILE C-104 STA. 80034-00 TO STA. 80033-00 PLAN AND PROFILE C-105 STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-106 STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-107 STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-108 STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-109 STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-108 STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-109 STA. 80034-00 TO STA. 80034-00 PLAN AND PROFILE C-101 STA.80034-00 TO STA. 80034-00 PLAN AND PROFILE C-102 STA.80034-00 TO STA. 80034-00 PLAN AND PROFILE C-103 STA.80034-00 TO STA. 80034-00 PLAN AND PROFILE C-201 STA.80034-00 TO STA. 80034-00 PLAN AND PROFILE C-202 STA.80034-00 TO STA. 80034-00 PLAN AND PRO	G-005	LEGEND & ABBREVIATIONS
G-007 EMAGP DATA TRABES 01 C-008 EMAGP DATA TRABES 02 PACKAGE 8: PLAN AND PROFILE SHEETS C-101 STA. 80034-00 TO STA. 800354:00 PLAN AND PROFILE C-102 STA. 800354:00 TO STA. 800354:00 PLAN AND PROFILE C-103 STA. 800354:00 TO STA. 800354:00 PLAN AND PROFILE C-104 STA. 800354:00 TO STA. 80057:00 PLAN AND PROFILE C-105 STA. 800354:00 TO STA. 80057:00 PLAN AND PROFILE C-106 STA. 800354:00 TO STA. 80057:00 PLAN AND PROFILE C-107 STA. 800354:00 TO STA. 80057:00 PLAN AND PROFILE C-108 STA. 800354:00 TO STA. 80057:00 PLAN AND PROFILE C-109 STA. 800354:00 TO STA. 80057:00 PLAN AND PROFILE C-101 STA.400 CONSTRUCTION STACING PLANS C-201 STACHICA MO WORK AREA - ASTORIA PACKAGE & HOU DISTA R0055ING, CONDUIT 1 C-201 STAGUE AND WORK AREA - ASTORIA PACKAGE & HOU DISTA C005SING, CONDUIT 1 C-302 HOU JF34 CROSSING, CONDUIT 1 C-303 HOU JF34 CROSSING, CONDUIT 1 C-304 HOU JF34 CROSSING, CONDUIT 1 C-305 HOU JF34 CROSSING, CONDUIT 1 C-306 HOU JF34 CROSSI	G-006	PLAN AND PROFILE KEY MAP & SPLICE LOCATION TABLE
G-008 EMACOP DATA TABLES 02 PACKAGE & PLAN AND PORTLE SKETS C C-101 STA. 80001+00 TO STA. 8002+00 PLAN AND PROFILE C-102 STA. 8001+00 TO STA. 8002+00 PLAN AND PROFILE C-103 STA. 80025+00 TO STA. 80025+00 PLAN AND PROFILE C-104 STA. 80025+00 TO STA. 8005+00 PLAN AND PROFILE C-105 STA. 8005+00 TO STA. 8005+00 PLAN AND PROFILE C-106 STA. 8005+00 TO STA. 8005+00 PLAN AND PROFILE C-107 STA. 8005+00 TO STA. 8005+00 PLAN AND PROFILE C-108 STA. 8005+00 TO STA. 8005+00 PLAN AND PROFILE C-109 STA. 8005+00 TO STA. 8005+00 PLAN AND PROFILE C-201 STACMOR AND WORK AREA - BRONX C-202 STAGING AND WORK AREA - ASTORIA PACKAGE & HOD TRISCHISS PLANS C-301 HDD #134 CROSSING, COMDUIT 1 C-302 HDD #134 CROSSING, COMDUIT 2 C-303 HDD #135 CROSSING, COMDUIT 1 C-304 HDD #135 CROSSING, COMDUIT 1 C-305 HDD #135 CROSSING, COMDUIT 1 C-306 HDD #135 CROSSING, COMDUIT 1 C-307 HDD #135 CROSSING, COMDUIT 1 C-308 HDD #135 CROSSING, C	G-007	EM&CP DATA TABLES 01
PACKAGE & PLAN NAD PROFILE C-101 STA. 80000+00 TO STA. 8003+00 PLAN AND PROFILE C-102 STA. 8002+00 TO STA. 8003+00 PLAN AND PROFILE C-103 STA. 8002+00 TO STA. 8003+00 PLAN AND PROFILE C-104 STA. 8003+00 TO STA. 8003+00 PLAN AND PROFILE C-105 STA. 8003+00 TO STA. 8003+00 PLAN AND PROFILE C-106 STA. 8006+00 TO STA. 8003+00 PLAN AND PROFILE C-107 STA. 8006+00 TO STA. 8003+00 PLAN AND PROFILE C-108 STA. 8003+00 TO STA. 8003+00 PLAN AND PROFILE C-107 STA. 8000+00 TO STA. 8003+00 PLAN AND PROFILE C-108 STA. 8003+00 TO STA. 8003+00 PLAN AND PROFILE C-109 STA. 8003+00 TO STA. 8003+00 PLAN AND PROFILE C-201 STA0KO AND WORK AREA – ASTORIA PACKAGE & ACCESS AND WORK AREA – ASTORIA PACKAGE & HDD FI34 CROSSING, CONDUT 1 C-301 HDD FI34 CROSSING, CONDUT 2 C-303 HDD FI34 CROSSING, CONDUT 1 C-304 HDD FI35 CROSSING, CONDUT 1 C-305 HDD FI35 CROSSING, CONDUT 1 C-306 HDD FI35 CROSSING, CONDUT 1 C-307 HDD FI35 CROSSING, CONDUT 1 C-308 </td <td>G-008</td> <td>EM&CP DATA TABLES 02</td>	G-008	EM&CP DATA TABLES 02
C-101 STA. 8003+00 TO STA. 8003+00 PLAN AND PROFLE C-102 STA. 8003+00 TO STA. 8003+00 PLAN AND PROFLE C-103 STA. 8003+00 TO STA. 8003+00 PLAN AND PROFLE C-104 STA. 8003+00 TO STA. 8003+00 PLAN AND PROFLE C-105 STA. 8003+00 TO STA. 8003+00 PLAN AND PROFLE C-106 STA. 8003+00 TO STA. 8003+00 PLAN AND PROFLE C-107 STA. 8003+00 TO STA. 8003+00 PLAN AND PROFLE C-108 STA. 8003+00 TO STA. 8003+00 PLAN AND PROFLE C-108 STA. 8003+00 TO STA. 8003+00 PLAN AND PROFLE C-108 STA. 8003+00 TO STA. 8003+00 PLAN AND PROFLE C-201 STAGING AND WORK APEA - 8TONX C-202 STAGING AND WORK APEA - STORIA PACKAGE & HOD TRISTICTION STABNOCOMUT 1 C-302 HOD #134 CROSSING, CONDUT 1 C-303 HOD #134 CROSSING, CONDUT 1 C-304 HOD #135 CROSSING, CONDUT 1 C-305 HOD #135 CROSSING, CONDUT 1 C-306 HOD #135 CROSSING, CONDUT 1 C-307 HOD #135 CROSSING, CONDUT 2 C-308 HOD #135 CROSSING, CONDUT 2 C-309 HOD #135 CROSSING, CONDUT 2 C-310 HOD #135	PACKAGE 8: PLAN	I AND PROFILE SHEETS
C-102 STA. 80034-00 TO STA. 80028-00 PLAN AND PROFILE C-103 STA. 80028-00 TO STA. 80028-00 PLAN AND PROFILE C-104 STA. 80038-00 TO STA. 80038-00 PLAN AND PROFILE C-105 STA. 80038-00 TO STA. 8008-00 PLAN AND PROFILE C-106 STA. 8008-00 TO STA. 8008-00 PLAN AND PROFILE C-107 STA. 8008-00 TO STA. 8008-00 PLAN AND PROFILE C-108 STA. 8008-00 TO STA. 8008-00 PLAN AND PROFILE PACKACE N. 8008-00 TO STA. 8008-00 PLAN AND PROFILE PACKACE N. 8008-00 TO STA. 8007-94 PLAN AND PROFILE PACKACE N. 8008-00 TO STA. 8007-94 PLAN AND PROFILE PACKACE N. 8008-00 TO STA. 8007-94 PLAN AND PROFILE PACKACE N. 8008-00 TO STA. 8007-94 PLAN AND PROFILE PACKACE N. 8008-10 TRUCTING STAGENCE PLANS C-201 STAGING AND WORK AREA – BRONX C-202 STAGING AND WORK AREA – STORIA PACKACE HOD #134 CROSSING, CONDUIT 1 C-303 HOD #135 CROSSING, CONDUIT 2 C-304 HOD #135 CROSSING, CONDUIT 1 C-305 HOD #135 CROSSING, CONDUIT 1 C-306 HOD #135 CROSSING, CONDUIT 2 C-307 HOD #135 CROSSIN	C-101	STA. 80000+00 TO STA. 80013+00 PLAN AND PROFILE
C-103 STA. 80038+00 TO STA. 80038+00 PLAN AND PROFILE C-104 STA. 80038+00 TO STA. 80038+00 PLAN AND PROFILE C-105 STA. 80038+00 TO STA. 8008+00 PLAN AND PROFILE C-106 STA. 80038+00 TO STA. 8008+00 PLAN AND PROFILE C-107 STA. 80038+00 TO STA. 8008+00 PLAN AND PROFILE C-108 STA. 8008+00 TO STA. 8008+00 PLAN AND PROFILE C-108 STA. 8008+00 TO STA. 8008+00 PLAN AND PROFILE PACKAGE B: ADD CONSTRUCTION STAGING PLANS C-201 STAGING AND WORK AREA - BSTORIA C-202 STAGING AND WORK AREA - BSTORIA C-203 STAGING CONDUT 1 C-304 HDD #134 CROSSING, CONDUT 1 C-305 HDD #134 CROSSING, CONDUT 1 C-304 HDD #134 CROSSING, CONDUT 1 C-305 HDD #134 CROSSING, CONDUT 1 C-306 HDD #135 CROSSING, CONDUT 1 C-307 HDD #135 CROSSING, CONDUT 1 C-308 HDD #135 CROSSING, CONDUT 1 C-309 HDD #135 CROSSING, CONDUT 1 C-301 HDD #135 CROSSING, CONDUT 2 C-302 HDD #135 CROSSING, CONDUT 2 C-303 HDD #135 CROSSING, CONDUT 2	C-102	STA. 80013+00 TO STA. 80028+00 PLAN AND PROFILE
C-104 STA. 80038+00 TO STA. 80053+00 PLAN AND PROFILE C-105 STA. 80057+00 TO STA. 80053+00 PLAN AND PROFILE C-106 STA. 80057+00 TO STA. 80081+00 PLAN AND PROFILE C-107 STA. 80085+00 TO STA. 80085+00 PLAN AND PROFILE C-108 STA. 80085+00 TO STA. 80085+00 PLAN AND PROFILE C-108 STA. 80085+00 TO STA. 80085+00 PLAN AND PROFILE C-201 STAGING AND WORK AREA - BRONN C-202 STAGING AND WORK AREA - BRONN C-301 HDD //J34 CROSSING, CONDUT 1 C-302 HDD //J34 CROSSING, CONDUT 1 C-303 HDD //J34 CROSSING, CONDUT 1 C-304 HDD //J34 CROSSING, CONDUT 1 C-305 HDD //J35 CROSSING, CONDUT 1 C-306 HDD //J35 CROSSING, CONDUT 1 C-307 HDD //J35 CROSSING, CONDUT 1 C-308 HDD //J35 CROSSING, CONDUT 1 C-309 HDD //J35 CROSSING, CONDUT 2 C-310 HDD //J35 CROSSING, CONDUT 2 C-311 HDD //J35 CROSSING, CONDUT 2	C-103	STA. 80028+00 TO STA. 80038+00 PLAN AND PROFILE
C-105 STA. 80057+00 TO STA. 80087+00 PLAN AND PROFILE C-106 STA. 80081+00 TO STA. 80081+00 PLAN AND PROFILE C-107 STA. 80081+00 TO STA. 80081+00 PLAN AND PROFILE C-108 STA. 80081+00 TO STA. 80107+94 PLAN AND PROFILE PACKAGE & ACCESS AND CONSTRUCTION STAGING PLANS C-201 C-201 STAGING AND WORK AREA – ASTORIA C-202 STAGING AND WORK AREA – ASTORIA PACKAGE B: HDD TRENCHLESS PLANS C-301 C-303 HDD #134 CROSSING, CONDUIT 1 C-304 HDD #134 CROSSING, CONDUIT 2 C-305 HDD #135 CROSSING, CONDUIT 1 C-306 HDD #135 CROSSING, CONDUIT 1 C-307 HDD #135 CROSSING, CONDUIT 1 C-308 HDD #135 CROSSING, CONDUIT 1 C-309 HDD #135 CROSSING, CONDUIT 1 C-301 HDD #135 CROSSING, CONDUIT 1 C-302 HDD #135 CROSSING, CONDUIT 2 C-303 HDD #135 CROSSING, CONDUIT 2 C-304 HDD #135 CROSSING, CONDUIT 2 C-305 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2	C-104	STA. 80038+00 TO STA. 80053+00 PLAN AND PROFILE
C-106 STA. 80081+00 TO STA. 80081+00 PLAN AND PROFILE C-107 STA. 80081+00 TO STA. 80081+00 PLAN AND PROFILE C-108 STA. 80081+00 TO STA. 8007494 PLAN AND PROFILE PACKAGE 8: ACCESS AND CONSTRUCTION STAGING PLANS C-201 STA. 80081+00 WORK AREA – BRONK C-202 STAGING AND WORK AREA – BRONK C-202 C-301 HDD J134 CROSSING, CONDUIT 1 C-302 HDD J134 CROSSING, CONDUIT 1 C-303 HDD J134 CROSSING, CONDUIT 1 C-304 HDD J135 CROSSING, CONDUIT 2 C-305 HDD J135 CROSSING, CONDUIT 1 C-306 HDD J135 CROSSING, CONDUIT 1 C-307 HDD J135 CROSSING, CONDUIT 1 C-308 HDD J135 CROSSING, CONDUIT 1 C-309 HDD J135 CROSSING, CONDUIT 1 C-301 HDD J135 CROSSING, CONDUIT 1 C-302 HDD J135 CROSSING, CONDUIT 2 C-303 HDD J135 CROSSING, CONDUIT 2 C-310 HDD J135 CROSSING, CONDUIT 2 C-311 HDD J135 CROSSING, CONDUIT 2 C-312 HDD J135 CROSSING, CONDUIT 2 C-314 HDD J135 CROSSING, CONDUIT 2 C-315 </td <td>C-105</td> <td>STA. 80053+00 TO STA. 80067+00 PLAN AND PROFILE</td>	C-105	STA. 80053+00 TO STA. 80067+00 PLAN AND PROFILE
C-107 STA. 80081+00 TO STA. 80095+00 PLAN AND PROFILE C-108 STA. 80095+00 TO STA. 8017+94 PLAN AND PROFILE PACKAGE 8: ACCESS AND CONSTRUCTION STAINE PLAN SIGN C-201 STAGING AND WORK AREA – BRONX C-202 STAGING AND WORK AREA – BRONX C-203 STAGING AND WORK AREA – BRONX C-204 STAGING AND WORK AREA – BRONX C-301 HDD #134 CROSSING, CONDUIT 1 C-302 HDD #134 CROSSING, CONDUIT 1 C-303 HDD #134 CROSSING, CONDUIT 2 C-304 HDD #134 CROSSING, CONDUIT 1 C-305 HDD #134 CROSSING, CONDUIT 1 C-306 HDD #135 CROSSING, CONDUIT 1 C-307 HDD #135 CROSSING, CONDUIT 1 C-308 HDD #135 CROSSING, CONDUIT 1 C-309 HDD #135 CROSSING, CONDUIT 2 C-310 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 C-314 HDD #135 CROSSING, CONDUIT 2 C-310 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, COND	C-106	STA. 80067+00 TO STA. 80081+00 PLAN AND PROFILE
C108 STA. 80095+00 TO STA. 80107+94 PLAN AND PROFILE PACKAGE 8: ACCESS AND CONSTRUCTION STAGING PLANS C-201 STAGIGA AND WORK AREA - BRONX C-202 STAGIGA AND WORK AREA - ASTORIA PACKAGE 8: HDD TRENCHLESS PLANS C-301 HDD #134 CROSSING, CONDUIT 1 C-302 C-302 HDD #134 CROSSING, CONDUIT 1 C-303 C-303 HDD #134 CROSSING, CONDUIT 2 C-304 C-304 HDD #135 CROSSING, CONDUIT 1 C-305 C-305 HDD #135 CROSSING, CONDUIT 1 C-306 C-306 HDD #135 CROSSING, CONDUIT 1 C-306 C-307 HDD #135 CROSSING, CONDUIT 1 C-306 C-308 HDD #135 CROSSING, CONDUIT 1 C-306 C-309 HDD #135 CROSSING, CONDUIT 1 C-307 C-309 HDD #135 CROSSING, CONDUIT 2 C-308 C-301 HDD #135 CROSSING, CONDUIT 2 C-301 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 C-312 HDD #135 CROSSING, CONDUIT 2 C-312 C-312 HDD #135 CROSSING, CONDUIT 2 <	C-107	STA. 80081+00 TO STA. 80095+00 PLAN AND PROFILE
PACKAGE 8: ACCESS AND CONSTRUCTION STAGING PLANS C-201 STAGING AND WORK AREA - BRONX C-202 STAGING AND WORK AREA - ASTORIA PACKAGE 8: HDD TRENCHLESS PLANS C-301 C-301 HDD #134 CROSSING, CONDUIT 1 C-302 HDD #134 CROSSING, CONDUIT 1 C-303 HDD #134 CROSSING, CONDUIT 1 C-304 HDD #134 CROSSING, CONDUIT 2 C-305 HDD #135 CROSSING, CONDUIT 1 C-306 HDD #135 CROSSING, CONDUIT 1 C-307 HDD #135 CROSSING, CONDUIT 1 C-308 HDD #135 CROSSING, CONDUIT 1 C-309 HDD #135 CROSSING, CONDUIT 2 C-301 HDD #135 CROSSING, CONDUIT 2 C-303 HDD #135 CROSSING, CONDUIT 2 C-310 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 C-400 £82C KEY MEET C-401 STA. 8003+400 TO STA. 80013+400 C-402 STA. 8003+400 TO STA. 80013+500 C-404 STA. 8003+400 TO STA. 8003+500 C-404 STA. 8003+400 TO STA. 8003+500	C-108	STA. 80095+00 TO STA. 80107+94 PLAN AND PROFILE
C=-201 STAGING AND WORK AREA - BRONX C-202 STAGING AND WORK AREA - ASTORIA PACKAGE 8: HOD TRENCHLESS PLANS C-301 C-301 HDD #134 CROSSING, CONDUIT 1 C-302 HDD #134 CROSSING, CONDUIT 2 C-303 HDD #134 CROSSING, CONDUIT 2 C-304 HDD #134 CROSSING, CONDUIT 1 C-305 HDD #135 CROSSING, CONDUIT 1 C-306 HDD #135 CROSSING, CONDUIT 1 C-307 HDD #135 CROSSING, CONDUIT 1 C-308 HDD #135 CROSSING, CONDUIT 1 C-309 HDD #135 CROSSING, CONDUIT 1 C-309 HDD #135 CROSSING, CONDUIT 2 C-310 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 C-400 E&SC KEY SHET C-401 STA. B003+00 TO STA. B0013+00 C-402 STA. B002+00 TO STA. B003+50 C-404 STA. B003+400 TO STA. B003+50 C-404 STA. B003+400 TO STA. B003+50 C-405 STA. B003+400 TO STA. B003+50 C-501 WORK ZONE TRAFFIC CONTROL PLANS <td< td=""><td>PACKAGE 8: ACCE</td><td>SS AND CONSTRUCTION STAGING PLANS</td></td<>	PACKAGE 8: ACCE	SS AND CONSTRUCTION STAGING PLANS
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PACKAGE B: C-301 HDD #134 CROSSING, CONDUIT 1 C-302 HDD #134 CROSSING, CONDUIT 2 C-303 HDD #134 CROSSING, CONDUIT 2 C-304 HDD #135 CROSSING, CONDUIT 1 C-305 HDD #135 CROSSING, CONDUIT 1 C-306 HDD #135 CROSSING, CONDUIT 1 C-307 HDD #135 CROSSING, CONDUIT 1 C-308 HDD #135 CROSSING, CONDUIT 1 C-309 HDD #135 CROSSING, CONDUIT 2 C-310 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 C-314 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 C-401 STA. 80027+00 TO STA. 80013+00 C-402 STA. 80038+00 C-403 STA. 80038+00 TO STA. 80107+94 PACKAGE 8: MAINTENANCE AND	C-202	STAGING AND WORK AREA – ASTORIA
C-301 HDD #134 CROSSING, CONDUIT 1 C-302 HDD #134 CROSSING, CONDUIT 2 C-303 HDD #134 CROSSING, CONDUIT 2 C-304 HDD #134 CROSSING, CONDUIT 1 C-305 HDD #135 CROSSING, CONDUIT 1 C-306 HDD #135 CROSSING, CONDUIT 1 C-307 HDD #135 CROSSING, CONDUIT 1 C-308 HDD #135 CROSSING, CONDUIT 1 C-309 HDD #135 CROSSING, CONDUIT 2 C-310 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 C-314 HDD #135 CROSSING, CONDUIT 2 C-315 HDD #135 CROSSING, CONDUIT 2 C-310 HDD #135 CROSSING, CONDUIT 2 PACKACE & EROSON AND SEDIMENT CONTROL PLANS C-400 E&SC KEY SHEET C-401 STA. 80027+00 TO STA. 8013+00 C-402 STA. 80038+00 TO STA. 8013+00 C-403 STA. 80038+00 TO STA. 8017+94 PACKACE & MAINTENANCE AND PROTECTION OF TRAFFIC PLANS C-501 WORK ZONE TRAFFIC CONTROL NOTES, LECEND AND ABBREVIATIONS	PACKAGE 8: HDD	TRENCHLESS PLANS
C-302 HDD #134 CROSSING, CONDUIT 1 C-303 HDD #134 CROSSING, CONDUIT 2 C-304 HDD #135 CROSSING, CONDUIT 1 C-305 HDD #135 CROSSING, CONDUIT 1 C-306 HDD #135 CROSSING, CONDUIT 1 C-307 HDD #135 CROSSING, CONDUIT 1 C-308 HDD #135 CROSSING, CONDUIT 1 C-309 HDD #135 CROSSING, CONDUIT 2 C-310 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 C-400 E&SC KEY SHEET C-401 STA. B0027+00 TO STA. B0013+00 C-402 STA. B0038+00 C-403 STA. B0038+00 TO STA. B0038+00 C-404 STA. B0038+00 TO STA. B0038+50 C-403 STA. B0038+00 TO STA. B0038+00 C-404 STA. B0038+00 TO STA. B0038+00 C-4051 WORK ZONE TRAFFIC CONTROL NOTES, LEGEND AND ABBREVIATIONS	C-301	HDD #134 CROSSING, CONDUIT 1
C-303 HDD #134 CROSSING, CONDUIT 2 C-304 HDD #135 CROSSING, CONDUIT 1 C-305 HDD #135 CROSSING, CONDUIT 1 C-306 HDD #135 CROSSING, CONDUIT 1 C-307 HDD #135 CROSSING, CONDUIT 1 C-308 HDD #135 CROSSING, CONDUIT 1 C-309 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 C-400 E&CK KEY SHEET C-401 STA. 80000+00 TO STA. 80013+00 C-402 STA. 80027+00 TO STA. 80038+00 C-403 STA. 80038+00 TO STA. 80013+50 C-404 STA. 80038+00 TO STA. 80038+00 C-403 STA. 80038+00 TO STA. 80107+94 PACKAGE 8: MAINTENANCE AND PROTECTION OF TRAFFIC PLANS C-501 WORK ZONE TRAFFIC CONTROL NOTES, LEGEND AND ABBREVIATIONS C-502 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND C-503 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND C-504 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND DROFILE AND SECTION VIE	C-302	HDD #134 CROSSING, CONDUIT 1
C-304 HDD #134 CROSSING, CONDUIT 2 C-305 HDD #135 CROSSING, CONDUIT 1 C-306 HDD #135 CROSSING, CONDUIT 1 C-307 HDD #135 CROSSING, CONDUIT 1 C-308 HDD #135 CROSSING, CONDUIT 1 C-309 HDD #135 CROSSING, CONDUIT 2 C-310 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 C-314 HDD #135 CROSSING, CONDUIT 2 PACKAGE 8: EROSION AND SEDMENT CONTROL PLANS C-400 E&SC KEY SHEET C-401 STA. 80038+00 TO STA. 8003+00 C-402 STA. 80038+00 TO STA. 80038+00 C-403 STA. 80038+00 TO STA. 80038+00 C-404 STA. 80038+00 TO STA. 80038+00 C-405 STA. 80038+00 TO STA. 80038+00 C-404 STA. 80038+00 TO STA. 80038+00 C-405 STA. 80038+00 TO STA. 80038+00 C-406 STA. 80038+00 TO STA. 80038+00 C-407 STA. 80038+00 TO STA. 80038+00 C-408 STA. 80038+00 TO STA. 80038+00 C-409 STA. 80038+00 TO STA. 80038+00 <td< td=""><td>C-303</td><td>HDD #134 CROSSING, CONDUIT 2</td></td<>	C-303	HDD #134 CROSSING, CONDUIT 2
C-305 HDD #135 CROSSING, CONDUIT 1 C-306 HDD #135 CROSSING, CONDUIT 1 C-307 HDD #135 CROSSING, CONDUIT 1 C-308 HDD #135 CROSSING, CONDUIT 2 C-309 HDD #135 CROSSING, CONDUIT 2 C-310 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 C-400 E&SC KEY SHEET C-400 E&SC KEY SHEET C-401 STA. 80038+00 C-402 STA. 80038+00 C-403 STA. 80038+00 C-404 STA. 80038+00 C-404 STA. 80038+00 C-501 WORK ZONE TRAFFIC CONTROL PLANS C-502 WORK ZONE TRAFFIC CONTROL PLAN 01 – BRONX C-503 WORK ZONE TRAFFIC CONTROL PLAN 02 – RANDALL'S ISLAND C-504 WORK ZONE TRAFFIC CONTROL PLAN 03 – RANDALL'S ISLAND C-505 WORK ZONE TRAFFIC CONTROL PLAN 03 – RANDALL'S ISLAND C-506 WORK ZONE TRAFFIC CONTROL PLAN 03 – RANDALL'S ISLAND C-506 WORK ZO	C-304	HDD #134 CROSSING, CONDUIT 2
C-306 HDD #135 CROSSING, CONDUIT 1 C-307 HDD #135 CROSSING, CONDUIT 1 C-308 HDD #135 CROSSING, CONDUIT 2 C-309 HDD #135 CROSSING, CONDUIT 2 C-310 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 PACKAGE 8: EROSION AND SEDIMENT CONTROL PLANS C-400 E&SC KEY SHEET C-401 STA. 80000+00 TO STA. 80013+00 C-402 STA. 80027+00 TO STA. 80038+00 C-403 STA. 80038+00 TO STA. 80038+00 C-404 STA. 80038+00 TO STA. 80053+50 C-404 STA. 80038+00 TO STA. 80053+50 C-404 STA. 8004+00 TO STA. 8017+94 PACKAGE 8: MAINTENANCE AND PROTECTION OF TRAFFIC PLANS C-501 WORK ZONE TRAFFIC CONTROL NOTES, LEGEND AND ABBREVIATIONS C-502 WORK ZONE TRAFFIC CONTROL PLAN 01 - BRONX C-503 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND C-504 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND DROFILE AND SECTION VIEW C-504 WORK ZONE TRAFFIC CONTROL PLAN 03 - RANDALL'S ISLAND BIKE & PEDESTRIAN TRAFFIC CONTROL, OUTSDE OF RECREATION PERIOD	C-305	HDD #135 CROSSING, CONDUIT 1
C-307 HDD #135 CROSSING, CONDUIT 1 C-308 HDD #135 CROSSING, CONDUIT 1 C-309 HDD #135 CROSSING, CONDUIT 2 C-310 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 C-314 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 PACKAGE 8: EROSION AND SEDIMENT CONTROL PLANS C-400 E&SC KEY SHEET C-401 STA. 80000+00 TO STA. 80013+00 C-402 STA. 80027+00 TO STA. 80038+00 C-403 STA. 80038+00 C-404 STA. 80038+00 C-404 STA. 80038+00 C-404 STA. 80038+00 C-501 WORK ZONE TRAFFIC CONTROL PLANS C-502 WORK ZONE TRAFFIC CONTROL NOTES, LEGEND AND ABBREVIATIONS C-503 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND C-504 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND C-505 WORK ZONE TRAFFIC CONTROL PLAN 03 - RANDALL'S ISLAND BIKE & PEDESTRIAN TRAFFIC CONTROL, OUTSIDE OF RECREATION PERIOD C-506 WORK ZONE TRAFFIC CONTROL PLAN 03 - RANDALL'S ISLAND BIKE &	C-306	HDD #135 CROSSING, CONDUIT 1
C-308 HDD #135 CROSSING, CONDUIT 1 C-309 HDD #135 CROSSING, CONDUIT 2 C-310 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 PACKAGE 8: EROSION AND SEDIMENT CONTROL PLANS C-400 E&SC KEY SHEET C-401 STA. 80000+00 TO STA. 80013+00 C-402 STA. 80027+00 TO STA. 80038+00 C-403 STA. 80038+00 TO STA. 80038+00 C-404 STA. 80038+00 TO STA. 80017+94 PACKAGE 8: MAINTENANCE AND PROTECTION OF TRAFFIC PLANS C-501 WORK ZONE TRAFFIC CONTROL NOTES, LEGEND AND ABBREVIATIONS C-502 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND C-503 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND C-504 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND PROFILE AND SECTION VEW C-505 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND PROFILE AND SECTION VEW C-505 WORK ZONE TRAFFIC CONTROL PLAN 03 - RANDALL'S ISLAND BIKE & PEDESTRIAN TRAFFIC CONTROL, OUTSIDE OF RECREATION PERIOD	C-307	HDD #135 CROSSING, CONDUIT 1
C-309 HDD #135 CROSSING, CONDUIT 2 C-310 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 PACKAGE 8: EROSION AND SEDIMENT CONTROL PLANS C-400 E&SC KEY SHEET C-401 STA. 80000+00 TO STA. 80013+00 C-402 STA. 80027+00 TO STA. 80038+00 C-403 STA. 80038+00 TO STA. 80053+50 C-404 STA. 80094+00 TO STA. 8017+94 PACKAGE 8: MAINTENANCE AND PROTECTION OF TRAFFIC PLANS C-501 WORK ZONE TRAFFIC CONTROL PLAN 01 - BRONX C-502 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND C-504 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND PROFILE AND SECTION VEW C-505 WORK ZONE TRAFFIC CONTROL PLAN 03 - RANDALL'S ISLAND BIKE & PEDESTRIAN TRAFFIC CONTROL, OUTSIDE OF RECREATION PERIOD C-506 WORK ZONE TRAFFIC CONTROL PLAN 03 - RANDALL'S ISLAND BIKE & PEDESTRIAN TRAFFIC CONTROL, PEAK RECREATION PERIOD	C-308	HDD #135 CROSSING, CONDUIT 1
C-310 HDD #135 CROSSING, CONDUIT 2 C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 PACKAGE 8: EROSION AND SEDIMENT CONTROL PLANS C-400 E&SC KEY SHEET C-401 STA. 8000+00 TO STA. 80013+00 C-402 STA. 80027+00 TO STA. 80038+00 C-403 STA. 80038+00 TO STA. 80038+00 C-404 STA. 80038+00 TO STA. 80038+00 C-403 STA. 80038+00 TO STA. 80038+00 C-404 STA. 80038+00 TO STA. 80038+00 C-404 STA. 80038+00 TO STA. 80038+00 C-404 STA. 80094+00 TO STA. 8017+94 PACKAGE 8: MAINTENANCE AND PROFECTION OF TRAFFIC PLANS C-501 WORK ZONE TRAFFIC CONTROL NOTES, LEGEND AND ABBREVIATIONS C-502 WORK ZONE TRAFFIC CONTROL PLAN 01 - BRONX C-503 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND C-504 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND PROFILE AND SECTION VIEW C-505 WORK ZONE TRAFFIC CONTROL PLAN 03 - RANDALL'S ISLAND BIKE & PEDESTRIAN TRAFFIC CONTROL, OUTSIDE OF RECREATION PERIOD C-506 WORK ZONE TRAFFIC CONTROL PLAN 03 - RANDALL'S ISLAND BIKE & PEDESTRIAN TRAFFIC CONTROL, PEAK RECREATION PERIOD	C-309	HDD #135 CROSSING, CONDUIT 2
C-311 HDD #135 CROSSING, CONDUIT 2 C-312 HDD #135 CROSSING, CONDUIT 2 PACKAGE 8: EROSION AND SEDIMENT CONTROL PLANS C-400 E&SC KEY SHEET C-401 STA. 80000+00 TO STA. 80013+00 C-402 STA. 80027+00 TO STA. 80038+00 C-403 STA. 80038+00 TO STA. 80053+50 C-404 STA. 80094+00 TO STA. 8017+94 PACKAGE 8: MAINTENANCE AND PROTECTION OF TRAFFIC PLANS C-501 WORK ZONE TRAFFIC CONTROL NOTES, LEGEND AND ABBREVIATIONS C-502 WORK ZONE TRAFFIC CONTROL PLAN 01 - BRONX C-503 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND C-504 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND PROFILE AND SECTION VIEW C-505 WORK ZONE TRAFFIC CONTROL PLAN 03 - RANDALL'S ISLAND BIKE & PEDESTRIAN TRAFFIC CONTROL, OUTSIDE OF RECREATION PERIOD C-506 WORK ZONE TRAFFIC CONTROL PLAN 03 - RANDALL'S ISLAND BIKE & PEDESTRIAN TRAFFIC CONTROL, PEAK RECREATION PERIOD C-506 WORK ZONE TRAFFIC CONTROL PLAN 03 - RANDALL'S ISLAND BIKE & PEDESTRIAN TRAFFIC CONTROL, PEAK RECREATION PERIOD C-507 WORK ZONE TRAFFIC CONTROL PLAN 04 - ASTORIA	C-310	HDD #135 CROSSING, CONDUIT 2
C-312 HDD #135 CROSSING, CONDUIT 2 PACKAGE 8: EROSION AND SEDIMENT CONTROL PLANS C-400 E&SC KEY SHEET C-401 STA. 80000+00 T0 STA. 80013+00 C-402 STA. 80027+00 T0 STA. 80038+00 C-403 STA. 80038+00 T0 STA. 80053+50 C-404 STA. 80094+00 T0 STA. 80107+94 PACKAGE 8: MAINTENANCE AND PROTECTION OF TRAFFIC PLANS C-501 WORK ZONE TRAFFIC CONTROL NOTES, LEGEND AND ABBREVIATIONS C-502 WORK ZONE TRAFFIC CONTROL PLAN 01 - BRONX C-503 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND C-504 WORK ZONE TRAFFIC CONTROL PLAN 02 - RANDALL'S ISLAND PROFILE AND SECTION VIEW C-505 WORK ZONE TRAFFIC CONTROL PLAN 03 - RANDALL'S ISLAND BIKE & PEDESTRIAN TRAFFIC CONTROL, OUTSIDE OF RECREATION PERIOD C-506 WORK ZONE TRAFFIC CONTROL PLAN 03 - RANDALL'S ISLAND BIKE & PEDESTRIAN TRAFFIC CONTROL, PEAK RECREATION PERIOD C-506 WORK ZONE TRAFFIC CONTROL PLAN 03 - RANDALL'S ISLAND BIKE & PEDESTRIAN TRAFFIC CONTROL, PEAK RECREATION PERIOD C-507 WORK ZONE TRAFFIC CONTROL PLAN 04 - ASTORIA	C-311	HDD #135 CROSSING, CONDUIT 2
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	C-507	WORK ZONE TRAFFIC CONTROL PLAN 04 – ASTORIA











PACKAGE 8: C	IVIL DETAILS: ESC DETAILS
C-601	EROSION AND SEDIMENT CONTROL DETAILS
C-602	EROSION AND SEDIMENT CONTROL DETAILS
C-603	EROSION AND SEDIMENT CONTROL DETAILS
C-604	EROSION AND SEDIMENT CONTROL DETAILS
C-613	WETLAND WORKING SURFACE
PACKAGE 8: C	IVIL DETAILS: CONSTRUCTION AND INSTALLATION DETAILS
C-621	TRENCHING DETAILS
C-622	DETAILS
PACKAGE 8: C	IVIL DETAILS: RESTORATION DETAILS
C-631	SURFACE RESTORATION DETAILS
PACKAGE 8: S	TRUCTURAL DETAILS
S-700	SPLICE VAULT PLAN AND ELEVATION
S-701	SPLICE VAULT SECTION AND DETAILS
S-702	SPLICE VAULT ANCHOR AND EMBED DETAILS
S-703	SPLICE VAULT DETAILS
S-705	STRUCTURAL GENERAL NOTES AND ABBREVIATIONS
S-720	REINFORCING TRAY STRUCTURE DETAILS I
S-721	REINFORCING TRAY STRUCTURE DETAILS II
S-730	TRANSITION VAULT PLAN AND ELEVATION
S-731	TRANSITION VAULT SECTION AND DETAILS
S-732	TRANSITION VAULT ANCHOR AND EMBED DETAILS
S-733	TRANSITION VAULT DETAILS
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C-801	ABOVE GROUND MARKING DETAILS
C-802	TYPICAL VAULT SNAKING DETAILS
C-803	TYPICAL VAULT GROUNDING DETAILS
C-805	TYPICAL TRANSITION VAULT SNAKING DETAILS
C-806	TRANSITION VAULT GROUNDING DETAILS
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C-812	VAULT CONNECTION DETAILS
PACKAGE 8: C	COMMUNICATIONS DETAILS
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C-852	ENCLOSED VAULT W/ FIBER OPTICS
C-855	FIBER OPTIC SPLICE DIAGRAM
C-856	FIBER OPTIC SLACK ENCLOSURE DETAIL
PACKAGE 8: 0	OTHER DETAILS
C-901	TYPICAL UTILITY SEPARATION DETAILS

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No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRA



GENERAL NOTES:

- 1. THE PLANS SHOW SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR UTILITIES FROM FIELD LOCATION AND RECORD MAPPING, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE DIFFERENT FROM THAT SHOWN OR MAY NOT BE SHOWN, AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 48 HOURS BEFORE YOU DIG, DRILL, OR BLAST, CALL U.F.P.O. 1-(800)-962-7962 TOLL FREE.
- 2. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE ENGINEER. CHANGES TO THE PLAN SHALL BE DONE IN ACCORDANCE WITH THE EM&CP SECTION 3.2.6.
- 3. THE CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, CULVERTS, SIGNS AND OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD A CONDITION AS BEFORE BEING DISTURBED AS DETERMINED BY THE ENGINEER.
- 4. THE CONTRACTOR AND/OR CERTIFICATE HOLDER SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL CONSTRUCTION PERMITS, INSPECTIONS, CERTIFICATES, ETC. AND SHALL COMPLY WITH ALL REQUIRED PERMITS.
- 5. ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES, AND REGULATIONS.
- ALL PROPOSED UTILITIES AND APPURTENANCES TO BE CONSTRUCTED IN COMPLIANCE WITH THE LOCAL MUNICIPALITIES' CODES AND REGULATIONS GOVERNING THE INSTALLATION OF SUCH UTILITIES.
- 7. THE ENGINEER RESERVES THE RIGHT TO EXAMINE ANY WORK DONE ON THIS PROJECT AT ANY TIME TO DETERMINE THE CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OF THIS PROJECT.
- 8. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
- 9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS.
- 10. THE CONTRACTOR SHALL:
 - VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. EXAMINE THE SITE AND INCLUDE IN HIS WORK THE EFFECT OF ALL EXISTING CONDITIONS ON THE WORK. C. PROVIDE AND INSTALL ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH RECOGNIZED GOOD STANDARD PRACTICE.
- 11. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS OF NEW YORK STATE INDUSTRIAL CODE RULE 23 AND OSHA REGULATIONS FOR CONSTRUCTION. SHEET PILING SHALL BE DESIGNED AND SEALED BY A NEW YORK STATE PROFESSIONAL ENGINEER. WHERE WITHIN RAIL ROAD ROW, ANY EXCAVATION AND SHORING SHALL BE DESIGNED TO MINIMUM CSX AND AREMA REQUIREMENTS.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK IN CONFORMANCE WITH REFERENCE SECTION 4.4.6 DEWATERING METHODS IN THE EM&CP. CONTRACTOR SHALL MAINTAIN EXISTING SITE DRAINAGE PATTERNS THROUGHOUT CONSTRUCTION UNLESS OTHERWISE SHOWN ON THE PLANS.
- 13. MAINTAIN FLOW FOR ALL EXISTING UTILITIES.
- 14. ALL FRAMES/COVERS WITHIN PAVED AREAS SHALL HAVE THE TOPS SET FLUSH WITH THE EXISTING PAVEMENT GRADE. IN LANDSCAPED AREAS, ALL FRAMES SHALL BE 0.1' ABOVE GRADE.
- 15. TEMPORARY PAVEMENT SHALL BE PLACED WITHIN 48 HOURS OF COMPLETION OF BACKFILL OPERATIONS WITHIN THE EXISTING PAVEMENT LIMITS.
- 16. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC IN ALL AREAS IN ACCORDANCE WITH THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 17. ALL EXCAVATIONS SHALL BE PROTECTED AT THE END OF EACH WORK DAY PER OSHA AND NYSDOT REQUIREMENTS.
- 18. WITHIN NYSDOT ROW AND TOWN/COUNTY ROADS, ALL OPEN EXCAVATIONS TO BE PROTECTED BY CONCRETE BARRIERS OR BE COVERED BY A STEEL PLATE, 3/4" THICK MINIMUM. A SINGLE PLATE SHOULD COVER THE ENTIRE EXCAVATION AND HAVE ENOUGH BEARING ON SURROUNDING SURFACES TO SUPPORT A VEHICLE.
- 19. CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO EXISTING UTILITIES. UTILITIES DAMAGED BY CONTRACTOR SHALL BE IMMEDIATELY REPAIRED BY CONTRACTOR AT THE CONTRACTOR'S EXPENSE. IF DURING EXCAVATION PREVIOUSLY DAMAGED UTILITIES ARE UNCOVERED, CONTRACTOR SHALL DOCUMENT THE DAMAGE AND REPORT DAMAGE TO THE APPROPRIATE OWNER.
- 20. DEPTH OF BURY FOR EXISTING CABLED UTILITIES FIBER / ELECTRICAL / TELECOM AND WATERLINES UNKNOWN. ASSUMED DEPTH OF BURY FOR CABLED UTILITIES IS 30" UNLESS OTHERWISE SHOWN. ASSUMED DEPTH OF BURY FOR WATERLINES IS 5' UNLESS OTHERWISE SHOWN.
- 21. CONTRACTOR TO COORDINATE ALL DRIVEWAY CROSSINGS WITH THE PROPERTY OWNERS PRIOR TO EXCAVATING. ACCESS TO ALL DRIVEWAYS FOR THE RESIDENTS AND COMMERCIAL PROSPERITIES, WILL NEED TO BE MAINTAINED DURING THE PROJECT. ALL EXCAVATIONS IN THE ENTRANCES/DRIVEWAYS WILL NEED TO BE BACKFILLED AT THE END OF EACH WORKDAY. OR STEEL PLATES SHALL BE INSTALLED TO ALLOW ACCESS DURING CONSTRUCTION. REFER TO THE EM&CP FOR EMERGENCY ACCESS MANAGEMENT PLAN.
- 22. ALL WORK WITHIN AGRICULTURAL LANDS WILL BE PERFORMED IN COMPLIANCE WITH APPLICABLE NEW YORK STATE DEPARTMENT OF AGRICULTURE AND MARKETS (NYSDAM) GUIDANCE INCLUDING "NYSDAM GUIDELINES FOR CONSTRUCTION MITIGATIONS FOR AGRICULTURAL LANDS IN AGRICULTURAL AREAS". RESTORATION WORK WILL FOLLOW APPLICABLE SECTIONS OF NYSDAM GUIDANCE "FERTILIZING LIME, AND SEEDING RECOMMENDATIONS FOR RESTORATION OF CONSTRUCTION PROJECTS ON FARMLAND IN NYS".
- 23. WORKING IN WETLANDS: IN GENERAL, STOCKPILING IN WETLANDS AND GRADING WETLAND SOILS FOR ANY ROADS, WORK AREAS, OR PADS IS PROHIBITED. IN ORDER TO ACHIEVE DESIGN GRADES FOR CONSTRUCTION OPERATIONS, EITHER 1) TIMBER MATTING WILL BE LAYERED (STACKED), OR 2) TOPSOIL WILL BE STRIPPED AND STOCKPILED OUTSIDE OF WETLAND AREAS, GEOTEXTILE FABRIC WILL BE PLACED UNDER FILL PER EM&CP REQUIREMENTS AND APPROVED DETAILS. THE CONTOURS SHOWN WITHIN WETLAND AREAS IN THESE PLANS DEPICT THE DIFFERENCE BETWEEN EXISTING AND PROPOSED ELEVATIONS AND ARE NOT INTENDED TO REPRESENT STOCKPILING IN WETLANDS OR GRADING EXISTING WETLAND SOILS. FOR SPECIFIC REQUIREMENTS FOR WORKING IN WETLAND AREAS INCLUDING REQUIREMENTS FOR EXCAVATION AND STOCKPILING, REFER TO EM&CP SECTION 4.4.3 AND 9.1.2.
- 24. AS CONSTRUCTION, OPERATIONAL, AND SAFETY REQUIREMENTS ALLOW; THE CONTRACTOR HAS THE OPTION TO REDUCE IMPACTS (INCLUDING WITHIN WETLAND AREAS) BY 1) REDUCING THE AREA OF TIMBER MATTING, WORK AREAS, OR ACCESS ROADS DEPICTED IN THESE PLANS, AND 2) INCREASING THE LONGITUDINAL AND TRANSVERSE SLOPES OF ROADS AND WORK AREAS.
- 25. SERVICE CONNECTIONS TO BE FIELD LOCATED PRIOR TO CONSTRUCTION.
- 26. FENCES IMPACTED BY CONSTRUCTION WILL BE REPLACED IN KIND. IF A DIFFERENT AGREEMENT IS REACHED WITH THE FENCE OWNER, DPS WILL BE INFORMED.







EROSION CONTROL NOTES:

1. SEE C-400 SERIES OF SHEETS FOR EROSION AND SEDIMENT CONTROL SHEETS.

2. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.

3. THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND THE EM&CP DOCUMENTS DURING CONSTRUCTION OPERATIONS.

4. NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. (WETLAND PROTECTION FENCE, SILT FENCE, COMPOST FILTER SOCK, AND STABILIZED CONSTRUCTION ENTRANCE)

5. SITE DISTURBANCE SHALL NOT EXCEED FIVE (5) ACRES OF SOIL AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM NYSDEC DIVISION OF WATER.

6. ALL EXPOSED AREAS SHALL BE SEEDED AND MULCHED AS SPECIFIED WITHIN 14 DAYS OF FINAL GRADING. "IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED, THE APPLICATION OF SOIL STABILIZATION MEASURES MUST BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN FOURTEEN (14) DAYS FROM THE DATE THE CURRENT SOIL DISTURBANCE ACTIVITY CEASED."

7. INACTIVE PORTIONS OF THE SITE ARE TO BE SEEDED AND MULCHED AS SPECIFIED WITHIN 14 DAYS. "FOR DISTURBED WETLAND AND SENSITIVE AREAS, AREA TO BE RESTORED IN ACCORDANCE WITH THE EM&CP".

8. AREAS TO BE SEEDED MUST BE FREE OF LARGE ROCKS AND DEBRIS, AND SEEDED WITHIN 24 HOURS OF DISTURBANCE, OR SCARIFICATION OF THE SOIL SURFACE WILL BE NECESSARY PRIOR TO SEEDING.

9. MULCH SHALL BE APPLIED IN CONJUNCTION WITH SEEDING AND APPLIED AT THE RATE OF 90 LBS PER 1000 SQUARE FEET. MULCH SHALL BE REAPPLIED AS NECESSARY.

10. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) DAYS OR MORE FREQUENTLY IF REQUIRED. ALL MAINTENANCE REQUIRED BY INSPECTION SHALL COMMENCE WITHIN 24 HOURS AND BE COMPLETED WITHIN 48 HOURS OF REPORT.

11. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.

12. CONSTRUCTION ROAD STABILIZATION SHALL FOLLOW THE NEW YORK STATE STANDARDS FOR EROSION AND SEDIMENT CONTROL ("BLUE BOOK"), PAGE 2.23. CONSTRUCTION ROADS SHALL BE LOCATED TO REDUCE EROSION POTENTIAL, MINIMIZE IMPACT ON EXISTING SITE RESOURCES, AND MAINTAIN OPERATIONS IN A SAFE MANNER.

13. GENERAL CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.

14. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY FOLLOWING SITE INSPECTION. THE SWPPP AND/OR ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES IF THE INSPECTOR DEEMS NECESSARY.

15. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.

16. AT THE END OF EACH WORK DAY DISTURBED SOILS ARE TO BE REGRADED TO DRAIN INTO THE TEMPORARY DIVERSION SWALES AND DISCHARGES FROM DEWATERING ACTIVITIES ARE TO BE DIRECTED TO A VEGETATED AREA. WATER WILL BE PUMPED FROM DEWATERING OPERATIONS INTO PORTABLE SEDIMENT TANKS OR COMMERCIAL SEDIMENT FILTER BAGS TO SETTLE SUSPENDED SILT MATERIAL PRIOR TO DISCHARGE. DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO STATE AND/OR FEDERALLY REGULATED STREAMS AND STORMWATER SYSTEMS WILL BE AVOIDED.

17. ONCE THE CONSTRUCTION ACTIVITIES ARE COMPLETE, ALL DISTURBED VEGETATED AREAS SHALL BE TOPSOILED, SEEDED, AND STABILIZED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. EROSION CONTROL DEVICES WILL REMAIN IN PLACE UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED. SOIL STABILIZATION MEASURES SHALL CONFORM WITH THE MOST CURRENT VERSION OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL ("BLUE BOOK"). PERMANENT SEED MIX WILL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

18. CONCRETE WASHOUTS DEPICTED ON PLANS ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD LOCATE WASHOUTS AS NECESSARY. FIELD LOCATED WASHOUTS SHALL BE LOCATED CONSTRUCTED IN ACCORDANCE WITH THE EM&CP AND SHALL BE A MINIMUM OF 100' FROM ADJACENT WETLANDS AND 200' FROM ANY EXISTING WELLS.

19. FOR SITES WHERE CONSTRUCTION ACTIVITIES TEMPORARILY CEASE IN THE WINTER, TEMPORARY AND PERMANENT SOIL STABILIZATION MEASURES WILL BE INSTALLED WITHIN 7 DAYS FROM THE DATE THE SOIL DISTURBING ACTIVITY CEASED. IF THE GROUND IS COVERED BY SIGNIFICANT AMOUNTS OF SNOW, WINTER RYE SHOULD BE USED FOR STABILIZATION (90-LBS PER ACRE).

20. MEASURES USED FOR DUST CONTROL SHALL FOLLOW THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL ("BLUE BOOK") FOR DUST CONTROL, PAGE 2.25. ONLY PLAIN WATER WILL BE USED FOR DUST SUPPRESSION.

HDD PLAN & PROFILE NOTES:

- CONFINES OF THE SPECIFIED HDD WORK AREA.
- OF THE SPECIFIED HDD WORK AREA.

- MEASUREMENTS ARE IN FEET.
- TO REFERENCE DURING CONSTRUCTION.
- ELEVATIONS ON THE AS-BUILT PLAN.

DISTURBANCE NOTES:

- IN PAVEMENT.



1. UNLESS NOTED OTHERWISE ON C-300 SERIES HDD PLAN AND PROFILES, EACH SITE INCLUDES TWO HDD BORES. BOTH BORES INCLUDE A 10" DIAMETER HDPE OR 8" FPVC CONDUIT FOR A HVDC ELECTRICAL TRANSMISSION CABLE. ONE OF THE BORES WILL ALSO INCLUDE A 3" CONDUIT BUNDLED IN THE PULLBACK BUNDLE FOR A TELECOMMUNICATION LINE.

2. MINIMUM HORIZONTAL SPACING BETWEEN CONDUIT 1 AND CONDUIT 2 SHALL BE MAINTAINED AT THE DESIGN LOCATION AND WITHIN SPECIFIED TOLERANCE AS DETERMINED BY ELECTRICAL ENGINEERING ON BEHALF OF THE OWNERS. IN CONSTRUCTION, THE HORIZONTAL SPACING SHALL BE CONTROLLED AND MAINTAINED SUCH THAT THE AS-BUILT SPACING SHALL NEVER BE CLOSER THAN THE SPECIFIED HORIZONTAL SPACING PRESENTED ON THE INDIVIDUAL HDD SHEET.

3. MAXIMUM VERTICAL DEPTH OF CONDUIT 1 AND CONDUIT 2 SHALL BE MAINTAINED AT THE DESIGN LOCATION AND WITHIN SPECIFIED TOLERANCE AS DETERMINED BY ELECTRICAL ENGINEERING ON BEHALF OF THE OWNERS.

4. HDD CONTRACTOR SHALL COORDINATE WITH OVERHEAD ELECTRIC OWNER/OPERATOR TO HAVE TEMPORARY PROTECTIVE SLEEVES INSTALLED ON OVERHEAD POWER LINES THAT CROSS THE ACCESS OR WORKING AREA OF THE WORK SITE.

5. SPT N-VALUES SHOWN ON THE C-300 SERIES DRAWINGS ARE NOT CORRECTED FOR SAMPLER SIZE OR HAMMER ENERGY. REFERNCE BORING LOGS AND GEOTECHNICAL REPORTS FOR ADDITIONAL INFORMATION.

6. HDD ENTRY PITS ARE SUBJECT TO RELOCATION WITHIN 5-FEET OF DESIGNED ENTRY POINT ON PLANS AND REMAIN WITHIN THE

7. HDD EXIT PITS ARE SUBJECT TO RELOCATION WITHIN 10-FEET OF DESIGNED EXIT POINT ON PLANS AND REMAIN WITHIN THE CONFINES

8. HDD CONDUIT PIPE ASSEMBLY AND PULLBACK DIRECTION ARE SUBJECT TO CHANGE.

9. ALL BURIED UTILITY DEPTHS ARE APPROXIMATE. PRIOR TO ANY HDD CONSTRUCTION, EXCAVATION, EXPLORATORY BORING, OR UTILITY LOCATE EXCAVATION, CONTRACTOR MUST CONTACT 811, OBTAIN A PERMIT, MAINTAIN THE PERMIT CURRENT UNTIL CONTRACTOR WORK TASK HAS BEEN COMPLETED AND ABIDE BY ALL STATE EXCAVATION REQUIREMENTS. REPORT ALL CONFLICTING UTILITIES THAT REQUIRE MODIFICATION TO THE HDD DESIGN TO THE ENGINEER WITHIN 12 HOURS OF THE DISCOVERY.

10. THE MINIMUM SEPARATION DISTANCE FROM THE CLOSEST PROXIMITY OF ANY EXISTING SUBSURFACE UTILITY SHALL NOT BE LESS THAN 120 INCHES AS MEASURED FROM THE OUTSIDE EDGE OF THE UTILITY TO THE OUTSIDE EDGE OF THE FULLY CONSTRUCTED HDD BORE PATH UNLESS GREATER SEPARATION IS SHOWN ON THE C-300 SERIES DRAWINGS.

11. ALL COORDINATES REFERENCE NEW YORK STATE PLANE FOR THE APPROPRIATE ZONE AND ELEVATIONS REFERENCE NAD83.

12. SITE BOUNDRIES, ENVIRONMENTAL BARRIER LOCATION, AND ENTRY & EXIT LOCATIONS SHALL BE STAKED FOR THE HDD DRILLING TEAM

13. HDD CONTRACTOR SHALL PROVIDE AN AS-BUILT PLAN AND PROFILE OF THE PILOT BORE PATH INDICATING COMPLIANCE WITH PROJECT SPECIFICATIONS AND FOR APPROVAL PRIOR TO INITIATING REAMING OPERATIONS. PROVIDE ACTUAL ENTRY & EXIT COORDINATES AND

14. HDD CONTRACTOR TO PLACE A MECHANICAL TEMPORARY CAP ON EACH END OF THE INSTALLED CONDUITS THAT WILL BE SUFFICIENT TO PROTECT THE INSTALLATION FROM DAMAGE OR INTRUSION OF WATER OR OTHER DETRITAL MATERIAL INTO THE CONDUITS. DUCT TAPE OR PLASTIC BAGS ARE NOT ACCEPTIBLE AS A MECHANICAL TEMPORARY CAP.

1. THE PROPOSED DISTURBANCE FOR THE TRENCH WILL BE LIMITED TO THE WIDTH OF THE TRENCH SECTIONS DEPICTED ON C-621 INCLUDING THE OPTION TO BENCH OR SLOPE TRENCH WHERE SPACE IS AVAILABLE AND TRENCH IS NOT LOCATED IN A ROADWAY OR

2. TEMPORARY ACCESS AND WORK AREAS DEPICTED IN THESE PLANS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND CHARACTER TO THE EXTENT PRACTICABLE, UNLESS DOING SO WOULD INTERFERE WITH THE SAFE OR RELIABLE OPERATION AND MAINTENANCE OF THE PROJECT. RESTORATION ACTIVITIES MAY VARY WITH THE SPECIFIC AREA TO BE RESTORED BUT WILL CONSIST PREDOMINANTLY OF RESTORING TOPOGRAPHY TO ORIGINAL GRADIENTS AND RESEEDING EXCAVATED AREAS OVER THE TRENCH AS IDENTIFIED IN THE DETAIL SHEETS AND THE EMCP NARRATIVE.



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		PROJECT WIDE GENERAL NOTES 01	G-002				
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<u>AD[</u>	DITIONAL GENERAL NOTES	NY	<u>′CDE</u>
1.	CONTRACTOR SHALL OBTAIN TREE WORK PERMIT AS PER NYCDPR TREE PROTECTION PROTOCOL FOR ALL WORK TO BE PERFORMED ON OR WITHIN 50 FEET OF A TREE UNDER NEW YORK CITY JURISDICTION.	1.	THE I AND
2.	ALL EXISTING TREES WHICH ARE WITHIN LIMIT OF WORK AND ARE IMPACTED BY THE PROPOSED WORK SHALL BE REPLACED IN ACCORDANCE WITH APPLICABLE STANDARDS FROM NYCDOT AND NYCDPR AND THE CERTIFICATE CONDITIONS.	2.	WHER METH
3.	IT IS ASSUMED THAT ALL EXISTING UTILITIES WILL REMAIN IN PLACE AND BE PROTECTED. PROPOSED CONDUIT'S ALIGNMENT SHALL BE DESIGNED TO AVOID EXISTING UTILITY RELOCATIONS.		MANH PROP VERT
4.	ALL EXISTING LIGHT POLES WHICH ARE WITHIN LIMIT OF WORK AND ARE IMPACTED BY THE PROPOSED WORK SHALL BE REMOVED AND STORED OFF-SITE, AND RE-INSTALLED AT THE CONCLUSION OF THE PROJECT, IN ACCORDANCE WITH APPLICABLE STANDARDS FROM NYCDOT DEPARTMENT OF STREET LIGHTING AND NYCDPR. STADIUM LIGHT POLES ARE TO REMAIN IN PLACE AND BE PROTECTED. STADIUM LIGHT POLES WITHIN THE LOW ARE NOT REQUIRED TO BE REMOVED.	3.	BANK WHER METH
5.	ALL EXISTING CURBS WHICH ARE WITHIN LIMIT OF WORK AND ARE IMPACTED BY THE PROPOSED WORK SHALL BE REPLACED IN ACCORDANCE WITH APPLICABLE STANDARDS FROM NYCDOT, NYCDPR AND AS PER THE DETAIL SHOWN ON C-631.		NYCD
6.	ALL EXISTING ROAD SIGNS WHICH ARE WITHIN LIMIT OF WORK AND ARE IMPACTED BY THE PROPOSED WORK SHALL BE REPLACED IN ACCORDANCE WITH THE APPLICABLE STANDARDS FROM NYCDOT AND MUTCD.	4.	WHER METH (1'-6 PIPE
<u>UTI</u>	LITY NOTES	5.	WHER METH
1.	THE SUBSURFACE UTILITY INFORMATION SHOWN HERON IS BASED ON A FIELD INVESTIGATION COMPLETED BY BLOODHOUND UTILITY LOCATORS ON JANUARY 26, 2022 AND BY McVAC IN AUGUST 2022.		CAST AS D CLEA
2.	THE SUBSURFACE UTILITY INVESTIGATION WAS PERFORMED IN AREAS OF ANTICIPATED EXCAVATION AS SPECIFIED BY REPRESENTATIVES OF MJ ENGINEERING AND LAND SURVEYING, P.C. ADDITIONAL SUBSURFACE UTILITIES MAY EXIST BEYOND THE EXCAVATION AREA, WHICH WERE NOT INVESTIGATED.		SHAL
3.	SELECT STORM MANHOLES AS WELL AS CATCH BASINS WERE NOT ABLE TO BE INVESTIGATED DUE TO A LARGE AMOUNT OF DEBRIS OBSTRUCTING THE STORM LINES.	6.	WHER MEAN (2'-0 IRON
4.	THE SUBSURFACE UTILITIES SHOWN HEREON ARE OF QUALITY LEVEL "B" AS DEFINED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) IN THE "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."	7.	WHER MEAN
5.	THE SUBSURFACE UTILITY INVESTIGATION WAS PERFORMED UTILIZING RADIO FREQUENCY (RF) AND GROUND PENETRATING RADAR (GPR) METHODOLOGIES. ELECTROMAGNETIC INTERFERENCE AND SUBSURFACE SOIL AND GROUNDWATER CONDITIONS IMPACT THE ABILITY TO IDENTIFY AND TRACE SUBSURFACE UTILITIES. THE SUBSURFACE UTILITIES HEREON REPRESENT THE UTILITIES THAT WERE IDENTIFIED UTILIZING THE RF AND GPR METHODOLOGIES. THE SUBSURFACE UTILITIES WERE NOT EXCAVATED TO CONFIRM THEIR PRESENCE, DEPTH, OR COMPOSITION.	8.	WHER MEAN CLEA
6.	THE UTILITY DEPTHS SHOWN HEREON WERE DERIVED USING RADIO FREQUENCY (RF) METHODOLOGIES AND ARE APPROXIMATE. IF PRECISE DEPTHS ARE REQUIRED, EXPOSING SUBSURFACE UTILITIES UTILIZING VACUUM EXCAVATION OR OTHER NON-DESTRUCTIVE TECHNIQUES SHOULD BE CONSIDERED.	9.	STRU WHER IS CF
7.	DESIGNATED SUBSURFACE UTILITIES WERE SURVEYED UTILIZING CONVENTIONAL SURVEYING TECHNIQUES.		BE R
8.	FIELD INVESTIGATED UTILITY INFORMATION SUPPLEMENTED BY PROVIDING RECORD UTILITY MAPPING.	10.	WHER AND CONN STAN
RF	CORD UTILITY MAP REFERENCES	11.	
1	TOPOGRAPHICAL SURVEY OF RANDALL'S AND WARD'S ISLANDS" CONTRACT M-T-104-131 DECEMBER 15 1994		VALV
2.	'RANDALL'S ISLAND IMPROVEMENTS FIELD DEVELOPMENT PROJECT". OCTOBER 5 2006.		VERT
3.	'WARD'S ISLAND INTERCEPTING SEWERS RECORD DRAWING", CONTRACT 3, JUNE 30 1938.	12.	THE SEWE
4.	"NEW 20" SUB-AQUEOUS WATER MAIN EXTENSION AND NEW 12" HIGH PRESSURE GAS MAIN FROM THE BRONX TO RANDALL'S ISLAND", PROJECT HED-568, OCTOBER 3 2014.	13.	NYCD
		14.	NYCE
SUF	RVEY NOTES		AND AND RANK
1.	NORTH IS ORIENTED TO GRID NORTH FROM GPS OBSERVATIONS.		BE P
2.	ELEVATIONS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) IS US SURVEY FEET.		GAS OPEN
3.	INFORMATION SHOWN HEREON GENERATED FROM A CONVENTIONAL FIELD SURVEY CONDUCTED BY M.J. ENGINEERING AND LAND SURVEYING, P.C. DURING DECEMBER / JANUARY 2022		12–IN VERTI ACHI[
4.	UNITS ARE MEASURED IN U.S. SURVEY FEET.	15	DFTA

5. ALL COORDINATES ARE IN NEW YORK STATE PLANE, NAD83, LONG ISLAND, US FOOT.







EP NOTES

DETAILED DESIGN SHALL COMPLY WITH NYCDEP STANDARDS AND DETAILS TO THE FULLEST EXTENT POSSIBLE ANY DEVIATION SHALL BE APPROVED BY NYCDEP.

RE A CHPE DUCT BANK OR STRUCTURE THAT IS PLANNED FOR CONSTRUCTION VIA OPEN-CUT MEANS AND HODS THAT IS CROSSING UNDER AN EXISTING NYCDEP SEWER, THE SEWER IS TO BE REPLACED BETWEEN IHOLES PER NYCDEP STANDARDS, IF REQUIRED AND AS DIRECTED BY THE ENGINEER. THE CONTRACTOR MAY POSE A NEW MANHOLE LOCATION FOR CONSIDERATION BY NYCDEP. A ONE-FOOT SIX-INCH (1'-6") MINIMUM TICAL CLEARANCE BETWEEN THE BOTTOM OF THE NYCDEP SEWER FOUNDATION AND TOP OF THE CHPE DUCT OR STRUCTURE SHALL BE ACHIEVED.

RE A CHPE DUCT BANK OR STRUCTURE THAT IS PLANNED FOR CONSTRUCTION VIA OPEN-CUT MEANS AND HODS THAT IS CROSSING ABOVE AN EXISTING NYCDEP SEWER, A ONE-FOOT SIX-INCH (1'-6") MINIMUM VERTICAL ARANCE SHALL BE ACHIEVED BETWEEN THE BOTTOM OF THE CHPE DUCT BANK OR STRUCTURE AND THE TOP OF DEP SEWER STRUCTURE.

RE A CHPE DUCT BANK OR STRUCTURE THAT IS PLANNED FOR CONSTRUCTION VIA OPEN-CUT MEANS AND HODS THAT IS CROSSING UNDER AN EXISTING NYCDEP DUCTILE IRON PIPE WATER MAIN, A ONE-FOOT SIX-INCH ") MINIMUM VERTICAL CLEARANCE SHALL BE ACHIEVED BETWEEN THE BOTTOM OF THE NYCDEP DUCTILE IRON WATER MAIN STRUCTURE AND THE TOP OF THE CHPE DUCT BANK OR STRUCTURE.

RE A CHPE DUCT BANK OR STRUCTURE THAT IS PLANNED FOR CONSTRUCTION VIA OPEN-CUT MEANS AND HODS THAT IS CROSSING UNDER AN EXISTING NYCDEP CAST IRON PIPE WATER MAIN, THE IMPACTED NYCDEP IRON PIPE WATER MAIN SHALL BE REPLACED WITH A NEW DUCTILE IRON PIPE WATER MAIN IF REQUIRED AND DIRECTED BY THE ENGINEER. PER NYCDEP STANDARDS. A ONE-FOOT SIX-INCH (1'-6") MINIMUM VERTICAL ARANCE BETWEEN THE TOP OF CHPE DUCT BANK OR STRUCTURE AND THE BOTTOM OF THE NYCDEP WATER MAIN LL BE ACHIEVED. THE GROUND COVER FROM TOP OF FINAL GRADE TO THE TOP OF THE REPLACEMENT WATER SHALL BE THREE-FEET (3'-0") TO FOUR-FEET (4'-0").

RE A CHPE DUCT BANK OR STRUCTURE THAT IS PLANNED FOR CONSTRUCTION VIA OPEN-CUT OR TRENCHLESS NS AND METHODS WILL BE PARALLEL TO AN EXISTING NYCDEP CAST IRON PIPE WATER MAIN, A TWO-FOOT \cdot 0°) MINIMUM EDGE—TO—EDGE CLEARANCE BETWEEN THE CHPE DUCT BANK OR STRUCTURE AND NYCDEP CAST PIPE WATER MAIN SHALL BE ACHIEVED.

RE A CHPE DUCT BANK OR STRUCTURE THAT IS PLANNED FOR CONSTRUCTION VIA OPEN—CUT OR TRENCHLESS NS AND METHODS WILL BE PARALLEL TO AN EXISTING NYCDEP DUCTILE IRON PIPE WATER MAIN, A TWO-FOOT O") MINIMUM EDGE-TO-EDGE CLEARANCE BETWEEN THE CHPE DUCT BANK OR STRUCTURE AND THE NYCDEP TILE IRON PIPE WATER MAIN.

RE A CHPE DUCT BANK OR STRUCTURE THAT IS PLANNED FOR CONSTRUCTION VIA OPEN-CUT OR TRENCHLESS NS AND METHODS WILL BE PARALLEL TO AN EXISTING NYCDEP, A TWO-FOOT (2'-0") MINIMUM EDGE-TO-EDGE ARANCE BETWEEN THE CHPE DUCT BANK OR STRUCTURE AND THE NYCDEP SEWER AND SEWER FOUNDATION UCTURE IS TO BE ACHIEVED.

RE A CHPE DUCT BANK OR STRUCTURE IS PLANNED FOR CONSTRUCTION VIA TRENCHLESS MEANS AND METHODS ROSSING UNDER AN EXISTING NYCDEP SEWER SUPPORT ON A DEEP FOUNDATION STRUCTURE, THE SEWER IS TO REPLACED, IF REQUIRED AND AS DIRECTED BY THE ENGINEER, PER NYCDEP STANDARDS.

RE A CHPE DUCT BANK OR STRUCTURE IS PLANNED FOR CONSTRUCTION VIA OPEN-CUT OR TRENCHLESS MEANS METHODS IS CROSSING UNDER AN EXISTING NYCDEP CATCH BASIN CONNECTION, THE EXISTING CATCH BASIN NECTION SHALL BE REPLACED WITH A TWELVE-INCH (12") CLASS 56 DUCTILE IRON PIPE PER NYCDEP NDARDS AND SHALL ACHIEVE A MINIMUM ONE-FOOT SIX-INCH (1'-6") VERTICAL CLEARANCE.

RE A CHPE DUCT BANK OR STRUCTURE IS PLANNED FOR CONSTRUCTION VIA OPEN-CUT OR TRENCHLESS MEANS METHODS IS CROSSING UNDER AN EXISTING NYCDEP FIRE HYDRANT OR CONNECTION, THE EXISTING HYDRANT, E, AND CONNECTION SHALL BE REPLACED, WITH THE CONNECTION BEING REPLACED WITH A SIX-INCH (6") SS 56 DUCTILE IRON PIPE PER NYCDEP STANDARDS AND SHALL ACHIEVE A MINIMUM ONE-FOOT SIX-INCH $(1^{2}-6^{2})$ TICAL CLEARANCE FROM THE CHPE DUCT BANK OR STRUCTURE.

ELEVATION OF THE EXISTING GRADE MAY NOT BE INCREASED ABOVE AN EXISTING NYCDEP OWNED GAS MAIN. ER MAIN, OR WATER MAIN.

DEP SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST THIRTY (30) DAYS PRIOR TO ANY PLANNED WORK IN TWENTY-FEET (20'-0") OF ANY NYCDEP WASTEWATER TREATMENT PLANT ELECTRICAL FEEDER.

DEP OWNS THE 12-INCH HIGH DENSITY POLYETHYLENE GAS MAIN DISTRIBUTION NETWORK ON RANDALL'S ISLAND CON EDISON MAINTAINS THIS GAS MAIN NETWORK. THE CONTRACTOR SHALL COORDINATE WITH NYCDEP, NYCDPR, CON EDISON FOR ANY ANTICIPATED SERVICE INTERRUPTIONS PRIOR TO CONSTRUCTION. WHERE A CHPE DUCT OR STRUCTURE IS PLANNED FOR CONSTRUCTION VIA OPEN-CUT OR TRENCHLESS MEANS AND METHODS WILL PARALLEL TO AN EXISTING NYCDEP OWNED 12-INCH HIGH DENSITY POLYETHYLENE DISTRIBUTION GAS MAIN, A -FOOT(2'-0")MINIMUM EDGE—TO—EDGE CLEARANCE BETWEEN THE CHPE DUCT BANK OR STRUCTURE AND THE MAIN SHALL BE ACHIEVED. WHERE A CHPE DUCT BANK OR STRUCTURE IS PLANNED FOR CONSTRUCTION VIA N-CUT OR TRENCHLESS MEANS AND METHODS IS CROSSING ABOVE OR BELOW AN EXISTING NYCDEP OWNED INCH HIGH DENSITY POLYETHYLENE DISTRIBUTION GAS MAIN, A ONE-FOOT AND SIX INCH (1'-6") MINIMUM FICAL CLEARANCE BETWEEN THE CHPE DUCT BANK OR STRUCTURE AND THE NYCDEP GAS MAIN SHALL BE VED.

AILED DESIGN DRAWINGS FOR THE PLANNED CHPE FACILITIES WITH RESPECT TO NYCDEP INFRASTRUCTURE MUST BE SUBMITTED TO NYCDEP FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION OF CHPE. NYCDPR SHALL NOT ISSUE A CONSTRUCTION PERMIT UNTIL AFTER NYCDEP'S APPROVAL HAS BEEN GRANTED AND CONSTRUCTION PERMIT HAS BEEN ISSUED. ALL NYCDEP OWNED STRUCTURES THAT ARE REQUIRED TO BE REPLACED OR RELOCATED DUE TO CONFLICT WITH THE PROPOSED CHPE FACILITIES SHALL BE COORDINATED, DESIGNED, AND CONSTRUCTED AT NO COST TO THE CITY OF NEW YORK.

NYCDPR NOTES

- TREE VALUATION METHOD WILL BE REQUIRED.
- AGREEMENT.
- FACILITIES.



ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED. THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY

					TRANS
0	07/31/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MK	CV	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAWN BY:

1. CHPE LLC IS RESPONSIBLE FOR APPLYING FOR AND OBTAINING A NYCOPR CONSTRUCTION PERMIT BEFORE ANY WORK ASSOCIATED WITH THE SITE INVESTIGATION FOR OR THE INSTALLATION OF THE PLANNED CHPE FACILITIES. INCLUDING BUT NOT LIMITED TO SITE PREPARATION AND STAGING. CAN COMMENCE WITHIN RANDALL'S ISLAND PARK. THE PERMIT APPLICATION WILL REQUIRE IDENTIFICATION AND LOCATION OF ALL TREES AND PARK ASSETS WITHIN 50-FEET OF THE TRENCHING AREA, WORK ZONE, ACCESS PATHWAYS OR ROADWAYS, AND STAGING AREAS. A TREE SURVEY PREPARED BY A CERTIFIED ARBORIST WILL BE REQUIRED WITH THE APPLICATION FOR A SEPARATE NYCOPR FORESTRY PERMIT. RESTORATION OF PARK AREAS DISTURBED WILL REQUIRE RESTORATION ACCORDING TO NYCOPR REQUIREMENTS AND STANDARDS AND WILL BE SPECIFIED IN THE PERMIT.

2. IF CHPE OR ITS CONTRACTOR WILL BE PERFORMING WORK ON OR WITHIN 50-FEET OF A TREE UNDER CITY JURISDICTION, A TREE WORK PERMIT FROM NYCOPR WILL BE REQUIRED PRIOR TO THE START OF CONSTRUCTION AND ALL WORK WILL BE PERFORMED IN COMPLIANCE WITH NYCOPR TREE PROTECTION PROTOCOL AS IN EFFECT UPON A TREE WORK PERMIT APPLICATION. ANY TREES THAT ARE ENVISIONED TO BE IN CONFLICT WITH THE CABLE ROUTE SHALL BE BROUGHT TO NYCDPR'S ATTENTION FOR A PRELIMINARY EVALUATION PRIOR TO SUBMISSION OF A TREE WORK PERMIT. IN THE CASE OF TREE REMOVAL, TREE RESTITUTION VALUES SHALL BE DETERMINED AS PER THE NYC

3. NYCDPR ASSETS THAT ARE ADJACENT TO AND IN PROXIMITY WITH THE CHPE ALIGNMENT THAT WILL OR MAY REQUIRE PROTECTION, RESTORATION, OR RECONSTRUCTION SHALL INCLUDE, BUT ARE NOT LIMITED TO: CHAIN LINK FENCE, PARK SIGNAGE, PARK PATHWAY, BLEACHERS, PARK ROADWAY, GRASS LAWN, TREES, LIGHT POLES, BASEBALL FIELD FENCING, BASEBALL FIELD, AND UTILITY LINES. THESE ELEMENTS ARE DEPICTED ON THE 2010 CONSTRUCTION DRAWINGS [RANDALL'S ISLAND IMPROVEMENTS FIELD DEVELOPMENT PROJECT] PROVIDED BY NYCDPR TO CHPE LLC, AND WHICH WILL BE PROVIDED TO THE CONTRACTOR, AND ARE MADE PART OF THIS REVOCABLE CONSENT

4. RESTORATION OF AFFECTED AREAS WILL BE REQUIRED TO BE COMPLETED PER THE 2010 BALLFIELDS AND IRRIGATION PLAN SET DEPICTING THE PARK PATHWAYS AND NEARBY PARK AMENITIES. THE RESTORATION REQUIREMENTS WILL BE DETERMINED UPON APPLICATION TO NYCOPR FOR THE CONSTRUCTION PERMIT ASSOCIATED WITH PLANNED CHPE



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CLEANUP AND RESTORATION NOTES

PROMPT CLEANUP AND RESTORATION OF ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITY IS A PRIORITY OF THE CONSTRUCTION SCHEDULE AND SEQUENCING. TIMELY CLEANUP AND RESTORATION WILL ASSIST IN MINIMIZING POTENTIAL ENVIRONMENTAL IMPACTS ASSOCIATED WITH THE PROJECT. PROCEDURES FOR CLEANUP AND RESTORATION ARE DESCRIBED IN THE FOLLOWING SECTIONS. IN ACCORDANCE WITH CERTIFICATE CONDITION 48, WITHIN TEN (10) DAYS OF THE COMPLETION OF FINAL RESTORATION ACTIVITIES, THE CERTIFICATE HOLDER WILL NOTIFY THE SECRETARY THAT ALL RESTORATION HAS BEEN COMPLETED IN COMPLIANCE WITH THE CERTIFICATE AND THE ORDER(S) APPROVING THE EM&CP.

CLEANUP STANDARDS AND PRACTICES

FROM THE BMPS', CLEAN-UP, RESTORATION, AND REVEGETATION PROCEDURES WILL BE ONGOING DURING CONSTRUCTION AS EACH SEGMENT IS COMPLETED. DURING CONSTRUCTION, ROAD AND CONSTRUCTION ROWS WILL BE KEPT FREE OF DEBRIS AND DISCARDED MATERIAL TO THE GREATEST EXTENT POSSIBLE. AS CONSTRUCTION CONTINUES, EACH SECTION OF THE ROWS WILL BE THOROUGHLY CLEANED AFTER CONSTRUCTION IS COMPLETED ON THAT PARTICULAR SECTION VEGETATION TO BE CLEARED WILL BE IDENTIFIED ON A SITE-SPECIFIC BASIS ON THE EM&CP PLAN AND PROFILE DRAWINGS. CLEARED VEGETATION WILL BE DISPOSED OF IN ACCORDANCE WITH THE APPROPRIATE DISPOSAL TECHNIQUES. ALL FABRICATED DEBRIS RESULTING FROM CONSTRUCTION WILL BE DISPOSED OF AT AN APPROVED DISPOSAL SITE IN COMPLIANCE WITH ALL APPROPRIATE ENVIRONMENTAL REGULATIONS. FABRICATED DEBRIS GENERATED DURING CONSTRUCTION INCLUDES PIPING, FENCING, WIRING, AND ANY OTHER MATERIALS USED DURING CONSTRUCTION. ALL TRUCKS LEAVING THE CONSTRUCTION AREA WILL BE LOADED AND COVERED IN ACCORDANCE WITH APPLICABLE REGULATIONS AS NEEDED AS DESCRIBED IN THE SOIL MANAGEMENT PLAN OF THE EM&CP IN APPENDIX L. NO FABRICATED DEBRIS BE BURNED OR BURIED.

RESTORATION AND PLANTING

THE FINAL STAGE OF CONSTRUCTION WILL CONSIST OF RESTORING THE ROW TO ITS ORIGINAL CONDITION AND CHARACTER TO THE EXTENT PRACTICAL, UNLESS DOING SO WOULD INTERFERE WITH THE SAFE OR RELIABLE OPERATION AND MAINTENANCE OF THE PROJECT. RESTORATION ACTIVITIES MAY VARY WITH THE SPECIFIC AREA TO BE RESTORED BUT WILL CONSIST PREDOMINANTLY OF RESTORING TOPOGRAPHY TO ORIGINAL GRADIENTS AND RESEDING EXCAVATED AREAS OVER THE TRENCH AS IDENTIFIED HEREIN.

SITE PREPARATION FOR REVEGETATION

THE SURFACE OF THE ROAD AND CONSTRUCTION ROWS DISTURBED BY CONSTRUCTION ACTIVITIES WILL BE GRADED TO MATCH THE ORIGINAL TOPOGRAPHIC CONTOURS AND TO BE COMPATIBLE WITH SURROUNDING DRAINAGE PATTERNS WHERE APPROPRIATE OR IN ACCORDANCE WITH THE EM&CP. IT SHOULD BE NOTED THAT SUBCONTRACTORS WILL TYPICALLY LIMIT GRUBBING (THE REMOVAL OF STUMPS AND ROOTS) TO THE FOOTPRINT OF THE EXCAVATED TRENCH AND ACCESS ROADS TO ALLOW RE-SPROUTING AND ASSIST IN THE RECOVERY OF WOODY SPECIES, EXCEPT WHERE REMOVAL IS REQUIRED FOR SAFE CONSTRUCTION. WHERE NEEDED, IT MAY BE NECESSARY TO IMPORT TOPSOIL TO RETURN AN AREA TO GRADE. IMPORTED TOPSOIL WILL FOLLOW CLASSIFICATION AND CHARACTERIZATION MEASURES OUTLINED IN THE SOIL MANAGEMENT PLAN IN APPENDIX L HDD ENTRY AND EXIT PITS WILL BE BACKFILLED AND THE DISTURBED GROUND SURFACE WILL BE SIMILARLY GRADED. TRENCHES WILL BE BACKFILLED IN ACCORDANCE WITH THE MEASURES OUTLINED IN SECTION 4.4.7 OF THE EM&CP. THE CERTIFICATE HOLDER WILL BE RESPONSIBLE FOR WILL CHECKING ALL CULVERTS AND ASSURE THAT THEY ARE NOT CRUSHED OR BLOCKED DURING CONSTRUCTION AND RESTORATION OF THIS SEGMENT AND, IF A CULVERT IS BLOCKED OR CRUSHED, TAKE IMMEDIATE STEPS TO REPLACE OR REPAIR THE CULVERT IN ACCORDANCE WITH APPLICABLE STATE OR LOCAL STANDARDS.

SEEDING AND PLANTING

SEEDING OPERATIONS WILL COMMENCE ONLY AFTER AN ACCEPTABLE SEEDBED HAS BEEN ESTABLISHED. SEED WILL BE APPLIED BY HAND, CYCLONE SEEDER, DRILL, OR CULTI-PACKER-TYPE SEEDER AT A DEPTH OF 0.25 TO 0.5 INCH. THE SEEDBED WILL BE FIRMED FOLLOWING SEEDING OPERATION WITH A ROLLER OR LIGHT DRAG, EXCEPT WHERE CULTI-PACKER-TYPE SEEDERS OR HYDROSEEDERS ARE USED. THE ENTIRE SEEDED AREA WILL BE WATERED WITH A FINE SPRAY UNTIL A UNIFORM MOISTURE DEPTH OF ONE (1) INCH HAS BEEN ACHIEVED. MULCHING AND ANCHORING OF THE MULCH MAY BE NECESSARY IN SOME AREAS UNLESS A HYDROMULCH/SEED SLURRY IS USED. ON STEEP SLOPES, JUTE NET WILL BE USED TO PROVIDE STABILIZATION. FERTILIZER WILL BE ADDED AT THE APPROPRIATE RATES AFTER SEED IS APPLIED. NO FERTILIZER WILL BE APPLIED IN WETLAND RESOURCE AREAS. SEEDING/MULCHING WILL TAKE PLACE UNDER THE SUPERVISION OF THE ENVIRONMENTAL INSPECTOR.

THE SEED MIXTURE AND RATE OF APPLICATION WILL DEPEND ON THE SOIL TYPE, LAND USE, AVAILABLE MOISTURE, AND SEASON AT THE TIME OF APPLICATION AS PER NYCOPR SPECIFICATIONS. IF APPLICABLE OR AS SPECIFIED BY THE LANDOWNER. ALL SEED MIXES WILL BE FREE OF INVASIVE SPECIES. ALL SEED BAG TAGS (EITHER ORIGINAL OR SCANNED COPIES) WILL BE PROVIDED TO THE ENVIRONMENTAL INSPECTOR EITHER ORIGINAL TAGS OR SCANNED COPIES. THE SEED MIXTURES WILL FOLLOW THE TECHNICAL SPECIFICATIONS INCLUDED ON THE PLAN AND PROFILE DRAWINGS IN APPENDIX C FOR UPLANDS AND WETLAND BUFFER ZONES. SEEDED AREAS WILL BE MONITORED FOLLOWING RESTORATION UNTIL A MINIMUM VEGETATIVE COVER OF EIGHTY (80) PERCENT IS ACHIEVED.

WHERE TREE OR SHRUB PLANTINGS ARE PRESCRIBED IN THE EM&CP, A POST-CONSTRUCTION SURVIVAL SURVEY WILL BE PERFORMED ONE YEAR AFTER THE PLANTINGS. IF ANY TREE OR SHRUB HAS NOT SURVIVED OR IS IN POOR HEALTH, THE TREE/SHRUB WILL BE REPLACED (BMP DOCUMENT SECTION 11.1.2.5).

VEGETATION THROUGHOUT THE TEMPORARY ROW WILL BE CUT TO GROUND LEVEL AND ROOT

VEGETATION RESTORATION ALSO INCLUDES THE MAINTENANCE OF PLANTINGS FOR SPECIFIED TIME SYSTEMS WILL REMAIN INTACT TO ALLOW FOR RESPROUTING FOLLOWING CONSTRUCTION, UNLESS PERIODS AND THE REPLACEMENT OF UNSUCCESSFUL PLANTINGS. PRIOR TO PLANTING, THE RESPROUTING WOULD INTERFERE WITH THE SAFE AND RELIABLE OPERATION OF THE PROJECT. ENVIRONMENTAL INSPECTOR WILL INSPECT ALL PLANTS IN CONTAINERS. PLANTINGS WILL BE PERFORMED BY A QUALIFIED LANDSCAPE OR NURSERY CONTRACTOR. THE ENVIRONMENTAL INSPECTOR WILL ALSO INSPECT ALL PLANTS AFTER COMPETITION OF PLANTING TO ENSURE PROPER ALL TREES OVER TWO (2) INCHES IN DIAMETER AT BREAST HEIGHT OR SHRUBS OVER FOUR (4) PLANTING PROCEDURES AND THE CORRECT PLANT SPECIES WERE USED. ADDITIONALLY, THE FEET IN HEIGHT DAMAGED OR DESTROYED BY ACTIVITIES DURING CONSTRUCTION, OPERATION, OR ENVIRONMENTAL INSPECTOR WILL CONDUCT A FINAL INSPECTION OF ALL REVEGETATED AREAS MAINTENANCE, REGARDLESS OF WHERE LOCATED, SHALL BE REPLACED WITHIN THE FOLLOWING AFTER THE END OF THE MONITORING PERIOD TO ENSURE FINAL STABILIZATION. ALL VEGETATION YEAR BY THE CERTIFICATE HOLDERS WITH THE EQUIVALENT TYPE OF TREES OR SHRUBS EXCEPT IF: REPLACED WILL HAVE A MINIMUM TWO -YEAR SURVIVAL GUARANTEE (BMP DOCUMENT SECTION 11.2.2). WHERE TREE OR SHRUB PLANTINGS ARE NEEDED, A POST-CONSTRUCTION SURVIVAL a) OTHER ARRANGEMENTS ARE SPECIFIED IN THE APPROVED EM&CP; OR SURVEY WILL BE PERFORMED ONE YEAR AFTER THE PLANTINGS. IF ANY TREE OR SHRUB HAS NOT b)EQUIVALENT TYPE REPLACEMENT TREES OR SHRUBS WOULD INTERFERE WITH THE PROPER SURVIVED OR IS IN POOR HEALTH, THE TREE/SHRUB WILL BE REPLACED (BMP DOCUMENT SECTION CLEARING, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE FACILITY OR WOULD BE 11.2.1.5).

- INCONSISTENT WITH STATE-INVASIVE SPECIES POLICY; OR
- c)REPLACEMENT WOULD BE CONTRARY TO SOUND ROW MANAGEMENT PRACTICES, OR TO ANY APPROVED LONG-RANGE ROW MANAGEMENT PLAN APPLICABLE TO THE FACILITY OR ADJOINING ROW; OR
- d) THE OWNER OF LAND WHERE THE DAMAGED OR DESTROYED TREES OR SHRUBS WERE LOCATED (OR OTHER RECORDED EASEMENT OR LICENSE HOLDERS WITH THE RIGHT TO CONTROL REPLACEMENT) DECLINES REPLACEMENT.

RESTORATION OF WATERBODIES

UPON COMPLETION OF BACKFILLING OPERATIONS, CLEANUP AND RESTORATION OF THE STREAM CROSSING, BANKS AND BANK APPROACHES (AT LEAST 50 FEET ADJACENT TO EACH BANK) WILL BE COMPLETED. IF NEEDED, STREAM BANKS WILL BE RE-ESTABLISHED TO ORIGINAL GRADE IMMEDIATELY AFTER STREAM BANK WORK IS COMPLETED. THE BANKS WILL THEN BE PERMANENTLY STABILIZED BY SEEDING WITH NATIVE GRASSES, MULCHED AND, IF NEEDED, PLANTED WITH NATIVE OR NATURALIZED SHRUB SEEDLINGS. IF ADDITIONAL STABILIZATION IS NEEDED JUTE NETTING OR EROSION CONTROL BLANKETS WILL BE USED. RESTORATION AND PLANTING DETAILS FOR WATERBODIES ARE FURTHER DETAILED IN SECTION 14.4.1 OF THE EM&CP. MANY DIRECT IMPACTS TO STREAMS AND WATERBODIES ASSOCIATED WITH THIS SEGMENT HAVE BEEN AVOIDED BY CROSSING OVER OR UNDER EXISTING CULVERTS, AND INCORPORATING HDD METHODS. HOWEVER, WHERE IMPACTS TO WATERBODIES DO OCCUR. THE PROCEDURES FOR THE CLEANUP AND RESTORATION OF STREAMS AND WATERBODIES ARE SUMMARIZED IN SECTION 9.1 OF THE EM&CP

RESTORATION OF WETLANDS

DURING THE INITIAL RESTORATION PHASE, ALL CONSTRUCTION DEBRIS WILL BE REMOVED FROM THE RIGHT-OF-WAY. SEGREGATED

TOPSOIL WILL BE REPLACED, AND WETLAND CONTOURS AND DRAINAGE PATTERNS WILL BE RESTORED TO APPROXIMATE ORIGINAL CONDITION BY MATCHING THAT WHICH EXISTS IN ADJACENT UNDISTURBED AREAS.

RESTORATION OF THE WETLAND (OTHER THAN THE TRAVEL WAY) WILL BE COMPLETED PRIOR TO CONCLUSION OF ALL WORK. THIS WILL BE DONE FOR A MINIMUM DISTANCE OF 50 FEET FROM THE WETLAND EDGE. RESTORATION OF THE WETLAND WILL INCLUDE BUT IS NOT LIMITED TO FINAL GRADING, SEEDING WITH A NATIVE WETLAND SEED MIX, FERTILIZING, AND MULCHING. HIGH ORGANIC SOILS (AS DETERMINED BY NYSDEC, DPS, OR THE ENVIRONMENTAL INSPECTOR) WILL BE GRADED BACK TO ORIGINAL CONTOURS AND LEFT UNMULCHED AND UNSEEDED TO FACILITATE THE GERMINATION OF NATIVE SEEDS AND SPROUTING OF RHIZOMES FROM THE SEED BANK. FOLLOWING CLEANUP, THE WETLAND WILL BE EVALUATED FOR POSSIBLE VEGETATIVE PLANTINGS. THIS WILL BE DONE IN CONSULTATION WITH THE APPROPRIATE AGENCIES AND IN ACCORDANCE WITH THE EM&CP.

FOR WETLAND RESOURCE AREAS, EMERGENT COMMUNITIES SHOULD BE REVEGETATED WITH AN ERNST FACW WETLAND MEADOW MIX (ERNMX-122) OR EQUIVALENT, AND FOR SHADED SITES WITHIN FORESTED/SHRUB-SHRUB WETLAND COMMUNITIES, DISTURBED AREAS SHOULD BE REVEGETATED WITH ERNST SPECIALIZED WETLAND MIX FOR SHADED AREAS (ERNMX-137) OR EQUIVALENT (SHOWN ON PLAN AND PROFILE DRAWINGS, APPENDIX C) OR AS APPROVED BY NYCDPR AND OTHER PERTINENT STAKEHOLDERS.

RESTORATION OF CONSTRUCTION MATERIALS AND EQUIPMENT STAGING LOCATIONS AND TEMPORARY ACCESS ROADS

THE CONSTRUCTION MATERIALS EQUIPMENT STAGING LOCATIONS FOR THIS SEGMENT ARE SUMMARIZED IN SECTION 5.4 TABLE 5.2 OF THE EM&CP AND ARE SHOWN IN THE PLAN AND PROFILE DRAWINGS AND EROSION AND SEDIMENT CONTROL PLANS. THESE AREAS WILL BE RESTORED AS CLOSE AS PRACTICABLE TO PRE-CONSTRUCTION CONDITIONS AND CONTOURS TO THE EXTENT PRACTICABLE IN COORDINATION WITH WM, NYCDPR, CONED, AND OTHER PERTINENT STAKE HOLDERS.

ALL TEMPORARY FENCING AND EROSION CONTROLS WILL BE REMOVED AND DISPOSED OF IN AN ACCEPTABLE MANNER AT A STATE-APPROVED DISPOSAL FACILITY APPROVED BY DPS STAFF AND THE CERTIFICATE HOLDERS. ALL MOTORIZED CONSTRUCTION EQUIPMENT WILL BE TRANSPORTED TO OFF-SITE FACILITIES. ALL OTHER USABLE CONSTRUCTION EQUIPMENT AND MATERIALS WILL BE COLLECTED, PACKED, AND TRANSPORTED TO OFF-SITE STORAGE FACILITIES OR TO THE NEXT SEGMENT'S STAGING AREA AS NEEDED. ALL UNUSABLE EQUIPMENT AND MATERIALS WILL BE REMOVED FROM THE LAYDOWN YARD AND DISPOSED OF APPROPRIATELY.





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PLANT INSPECTION, GUARANTEE AND MAINTENANCE

SWPPP INSPECTIONS WILL BE PERFORMED BY THE ENVIRONMENTAL INSPECTOR ON A WEEKLY BASIS UNTIL ALL DISTURBED AREAS HAVE ACHIEVED THE 80% REVEGETATION REQUIRED FOR FINAL RESTORATION. FOLLOWING FINAL RESTORATION, EROSION AND SEDIMENT CONTROL MEASURES WILL BE REMOVED FROM THE SITE AND DISPOSED OF APPROPRIATELY.

RESTORATION OF RECREATIONAL AREAS

FOLLOWING CONSTRUCTION, THE CERTIFICATE HOLDERS WILL RESEED THE CONSTRUCTION AREA WITHIN RECREATIONAL AREAS AND THE ATHLETIC FIELDS USING THE PROCEDURES AND METHODS SPECIFIED IN THE SECTIONS ABOVE WHERE NEEDED. IF NECESSARY, ADDITIONAL REVEGETATION AND TREE PLANTING MAY BE PERFORMED DEPENDING ON THE IMPACT OF CONSTRUCTION. RECREATIONAL AREAS ARE DESCRIBED IN SECTION 7.2 OF THE EMCP.

ROADWAY RESTORATION (STRIPPING, SIGNAGE, AUDIBLE ROADWAY

DELINEATORS)

STRIPING IMPACTED OR REMOVED FROM CONSTRUCTION WITHIN THE LIMITS OF WORK, INCLUDING AREAS OF MILL AND OVERLAYS TO BE INSTALLED PER EXISTING STRIPING PATTERNS. CONTRACTOR SHALL INVENTORY ALL STRIPING PRIOR TO WORK. WORK TO BE COMPLETED IN ACCORDANCE WITH NYSDOT STANDARD SHEETS AND SPECIFICATIONS (SEE 685 SERIES STANDARD SHEETS).

RESTORATION OF ROADWAY

THESE AREAS WILL BE RESTORED AS CLOSE AS PRACTICABLE TO PRE-CONSTRUCTION CONDITIONS AND CONTOURS. TRENCHES WILL BE BACKFILLED PER THE APPROPRIATE DETAIL, FULL WIDTH OF THE TRENCH WILL BE RESTORED TO MATCH THE EXISTING PAVEMENT SECTION, THE FULL WIDTH OF THE TRAVEL LANE TO THE CENTERLINE WILL BE MILLED AND OVERLAYED WITH A TOP COURSE OF ASPHALT. ALL TEMPORARY FENCING AND EROSION CONTROLS WILL BE REMOVED AND DISPOSED ON IN AN ACCEPTABLE MANNER AT A STATE-APPROVED DISPOSAL FACILITY APPROVED BY DPS STAFF AND THE CERTIFICATE HOLDERS.

RESTORATION OF ROADWAY SHOULDER

THESE AREAS WILL BE RESTORED AS CLOSE AS PRACTICABLE TO PRE-CONSTRUCTION CONDITIONS AND CONTOURS. TRENCHES WILL BE BACKFILLED PER THE APPROPRIATE DETAIL, FULL WIDTH OF THE TRENCH WILL BE RESTORED TO MATCH THE EXISTING PAVEMENT SECTION. THE FULL WIDTH OF THE TRAVEL LANE TO THE CENTERLINE WILL BE MILLED AND OVERLAYED WITH A TOP COURSE OF ASPHALT. ALL TEMPORARY FENCING AND EROSION CONTROLS WILL BE REMOVED AND DISPOSED ON IN AN ACCEPTABLE MANNER AT A STATE-APPROVED DISPOSAL FACILITY APPROVED BY DPS STAFF AND THE CERTIFICATE HOLDERS.

PAVEMENT RESTORATION

AS DESCRIBED IN THE BMP DOCUMENT AND CERTIFICATE CONDITIONS, CURBS, SIDEWALKS, AND STREETS DAMAGED BY CONSTRUCTION WILL BE RESTORED TO PRE-EXISTING CONDITION OR BETTER. FURTHER, DISTURBED AREAS, RUTS, AND RILLS ALONG ROADWAYS SHALL BE RESTORED TO ORIGINAL GRADES AND CONDITIONS WITH PERMANENT REVEGETATION AND EROSION CONTROLS APPROPRIATE FOR THOSE LOCATIONS, AS APPROPRIATE.

THE CERTIFICATE HOLDERS WILL CONSULT THE MUNICIPAL ROAD OR HIGHWAY DEPARTMENT AND/OR THE REGIONAL OFFICE OR COUNTY ENGINEER OF THE NYSDOT IN ORDER TO IDENTIFY AND INCORPORATE APPROPRIATE SPECIFICATIONS FOR CURB, SIDEWALK, OR STREET RESTORATION. ALL SURFACE RESTORATION WILL FOLLOW THE SPECIFICATIONS AND DETAILS PROVIDED IN THE PLAN AND PROFILE DRAWINGS (SHEET C-631). GUIDE RAILS WILL BE REMOVED AND REPLACED IN ACCORDANCE WITH NYSDOT STANDARD SHEET 606-01. COUNTY/LOCAL ROADS WILL BE RESTORED UNDER A DIFFERENT COUNTY RESTORATION REQUIREMENT AS SHOWN IN THE PLAN AND PROFILE DRAWINGS (SHEET C-631).

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SEED MIXES

- A. GENERAL SEED: 2. MIX COMPOSITION

- 3. APPLIED AT A RATE OF 40 LBS/ACRE.

B. LAWN GRASS SEED MIX: PER NYCDPR SPECIFICATIONS 1. MIX COMPOSITION 60% TALL RESCUE - ONE OR MORE OF THE FOLLOWING VARIETIES: APACHE II, ARID 3, COCHISE III, CORONADO GOLD, FALCON IV, JUSTICE, JAGUAR III, LANCER (SH), MASTERPIECE, REBEL IV, REBEL JR. (SH), REBEL SENTRY, REMBRANDT, TOMAHAWK E+, OR APPROVED EQUAL. 20% BLUEGRASS - ONE OR MORE OF THE FOLLOWING VARIETIES: ABLE I (SH), BLACKSBURG, GLADE (SH), MOONLIGHT, MIDNIGHT, AMERICA (SH), BRILLIANT, RAM (SH), TOUCHDOWN (SH), WARREN'S A-34 (SH), BRISTOL (SH), LOFTS 1757 (SH), OR APPROVED EQUAL. 20% PERENNIAL RYEGRASS - ONE OR MORE OF THE FOLLOWING VARIETIES: BRIGHTSTAR II, MANHATTAN 4, CITATION FORE, ELFKIN, OR APPROVED EQUAL. NOTE: THE CULTIVARS FOLLOWED BY "(SH)" EXHIBIT BETTER SHADE TOLERANCE THAN OTHER VARIETIES. UNDER MODERATE SHADE. 2. APPLIED AT A RATE OF APPROXIMATELY 45 LBS/ACRE.

INFORMATION.

1. PIPELINE MIX W/SWITCHGRASS (ERNMX-102-1)

33.0% PANICUM VIRGATUM, 'SHAWNEE' (SWITCHGRASS, 'SHAWNEE') 25.0% FESTUCA RUBRA (CREEPING RED FESCUE) 18.0% LOLIUM MULTIFLORUM (ANNUAL RYEGRASS) 16.0% PHLEUM PRATENSE, CLIMAX (TIMOTHY, CLIMAX)

5.0% TRIFOLIUM HYBRIDUM (ALSIKE CLOVER)

3.0% AGROSTIS ALBA (REDTOP)

C. REPLANTING IN TIDAL WETLAND AREA WILL OCCUR BY PLUGS. REFER TO APPENDIX M1 FOR ADDITIONAL

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	EXIST. FIBER OPTIC LINE HANDHOLE
	EXIST. FIBER OPTIC LINE PEDESTAL
	EXIST. FIBER OPTIC LINE DOGHOUSE
	EXIST. FIBER OPTIC LINE MANHOLE
	EXIST. FIBER OPTIC LINE VAULT
	EXIST. FIBER OPTIC LINE BORE PIT
	EXIST. FIBER OPTIC LOCK BOX
	EXIST. GROUND ROD
	EXIST. FIBER OPTIC MARKER POST
	EXIST. FIBER OPTIC BOX
	EXIST. FIBER STORAGE
	EXIST. FIRE HYDRANT
	EXIST. WATER VALVE
	EXIST. WATER MANHOLE
	EXIST. WATER MARKER
	EXIST. SANITARY SEWER MANHOLE
	EXIST. SANITARY SEWER VENT
	EXIST. STORM SEWER MANHOLE
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	EXIST. ELEC. MANHOLE
	EXIST. ELEC. MANIFOLE
	EXIST. ELEC. HANDHOLL
	EXIST. ELEC. PEDESTAL/BUX
	EXIST. ELEC. MARKER FOST
	EXIST. ELEC. GUT ANCHUR/WIRE
	EXIST. TELE. RISER/BUX
	EXIST. TELE. MANDUOLE
	EXIST. TELE. HANDHOLE
	EXIST. TELE. PEDESTAL
	EXIST. TELE. DUGHUUSE
	EXIST. TELE. MARKER POST
	EXIST. TELE. JUNCTION BOX
	EXIST. IRAFFIC SIGNAL BUX
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)	EXISTING ANTENNA
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NDARY	EXISTING IRON PIPE
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EXISTING SIGN
EXIST. STRUCTURE POST
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EXIST. GAS LINE
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EXIST. FIBER OPTIC
EXIST. OVERHEAD TELE.
EXIST. UNDERGROUND ELEC.
EXIST. OVERHEAD ELEC.
EXIST. CULVERT
EXIST. SANITARY SEWER
EXIST. STORM SEWER
EXIST. POTABLE WATER LINE
EXIST. FUEL LINE
EXIST. OVERHEAD UNKNOWN UTILITY
EXIST. RAILROAD TRACK
CERTIFIED ROUTE PROVIDED BY CHPE KMZ
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INFRASTRUCTURE RIGHT-OF-WAY BY CHPE KMZ
EXIST. CONTOUR, INDEX
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EXIST. CONTOUR, DEPRESSION INTERMEDIATE
EXIST. SPOT ELEVATION
EXIST. DEBRIS
EXIST. FIELD LINE
EXIST. LANDSCAPE AREA
EXIST. PILE
EXIST. STORAGE AREA
EXIST. NATURAL BOULDER
EXIST. NATURAL SHRUB LINE
EXIST. NATURAL TREE LINE
EXIST. NATURAL SINGLE TREE/BUSH
EXIST. STRUCTURAL BUILDING
EXIST. PAVED DRIVE
EXIST. PAVED ROAD
EXIST. PAVED SHOULDER
EXIST. PAVED SIDEWALK
EXIST. GUARDRAIL
EXIST. TRAIL
EXIST. FENCE
EXIST. WALL
EXIST. RETAINING WALL
EXIST. MILEPOST NUMBER
EXIST. MAPPING BOUNDARY
EXIST. GROUND CONTROL
EXIST. RIGHT-OF-WAY
EXIST. ABUTTER
EXIST. WETLAND FLAG
EXIST. WETLANDS
EXIST. WATERBODY, STREAM, OR STREAM BANK

NOTES:

1. LIMIT OF WORK (LOW) - THE BOUNDARY IN WHICH ALL CONSTRUCTION ACTIVITIES, STOCKPILES MATERIAL, EQUIPMENT STORAGE, ACCESS, PARKING, GRADING, LANDSCAPING, RESTORATION, AND ANY OTHER CONSTRUCTION RELATED ACTIVITIES SHALL OCCUR. ADDITIONALLY, THE LOW IS THE BOUNDARY FOR ALL POTENTIAL DISTURBANCE DURING CONSTRUCTION. UNLESS OTHERWISE SPECIFIED, WHEN THE LIMIT OF CLEARING AND GRUBBING IS SHOWN ON THE PLANS, IT SHALL ALSO BE THE LOW. THE LOW INCLUDES THE AREA THAT WOULD BE CONSIDERED THE LIMIT OF DISTURBANCE (LOD).





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### LEGEND & ABBREVIATIONS

THHE	PEM - PALUSTRINE EMERGENT
ZZZ	PSS – PALUSTRINE SCRUB-SHRUB
27777	PFO – PALUSTRINE FORESTED
	PUB - PALUSTRINE UNCONSOLIDATED BOTTOM
	L1 – LACUSTRINE LIMNETIC
	L2 – LACUSTRINE LITTORAL
	E2EM – ESTUARINE INTERTIDAL EMERGENT
	NYSDEC FWW 100-FOOT ADJACENT BUFFER AREA
$\times\!\!\times\!\!\times\!\!\times\!\!\times$	ESTIMATED WETLAND BOUNDARY
	ESTIMATED AGRICULTURAL LAND BOUNDARY
· ·	FLOODWAY BOUNDARY
	1% ANNUAL CHANCE FLOODPLAIN BOUNDARY
	0.2% ANNUAL CHANCE FLOODPLAIN BOUNDARY
	JD BOUNDARY
	APPROX. USACE FEDERAL CHANNEL BOUNDARY (TYP.)

	VEG. CLEARING – TYPE I – HAND CUTTING
	VEG. CLEARING – TYPE II – MECHANICAL CLEARING
	VEG. CLEARING – TYPE III – MOWING
	VEG. CLEARING - TYPE IV - MECHANICAL WHOLE-TREE FELLING
WP	PROP. WETLAND PROTECTION FENCE
FS	PROP. COMPOST FILTER SOCK (OR SILT SOCK)
	CHECK DAM
<i>~~~</i>	SURFACE WATER FLOW
	PROP. TEMPORARY SWALE
	STABILIZED CONSTRUCTION ENTRANCE (TYP.)
140	PROP. TEMP MAJOR CONTOUR
	PROP. TEMP MINOR CONTOUR
LOW	PROP. LIMITS OF WORK/DISTURBANCE
	PROP. LIMITS OF CLEARING/LIMITS OF WORK IN CLEARING AREAS
	PROP. CONCRETE WASHOUT
	PROP. TEMP ACCESS ROAD RTE (EXISTING ROAD OR SURFACE)
	PROP. TEMP REFURBISHED ACCESS ROAD
	PROP. TEMP ACCESS ROAD OR OFF SITE ACCESS ROAD
	PROP. WETLAND OR AGRICULTURAL LAND* WORKING SURFACE (SEE SHEET C-613) (*AGRICULTURAL LANDS MAY USE WETLAND WORKING SURFACE OR OTHER APPROVED MITIGATION METHODS)
	PROP. MILLING & RESURFACING
	PROP. SPLICE LOCATION
	PROP. SPLICE VAULT
	PROP. LINK BOX HANDHOLE
	PROP. FIBER SPLICE HANDHOLE
<b>+</b>	PROP. BORING LOCATION
XXXXX+XX	PROP. ALIGNMENT STATIONING
	PROP. ALIGNMENT CENTERLINE
	PROP. LAYDOWN YARDS, PARKING, STORAGE & MUSTER AREA
	PROP. WORK AREAS
	7' FOUL ZONE: NO VEHICLES, MATERIALS, DISTURBANCE, PERSONNEL, OR WORK SHALL ENCROACH THE ZONE WITHIN 7FT THE NEAREST RAIL WITHOUT CSX COORDINATION AND APPROVAI
~~~~~	PROP. SHORING/SHEETING
	PROP. TEMP EASEMENT
	PROP. PERM EASEMENT
	PROP. TEMP ACCESS EASEMENT
SL PM ♦	SPLICE LOCATION POLE MARKER
UPC PM ♦	UNDERGROUND POWER CABLE POLE MARKER
\boxtimes	PROP. TRANSITION BOX MANHOLE
A (-) B (+)	DC CABLE IDENTIFICATION TAGS. SEE SHEET C-807 FOR MORE
->>	TURBIDITY BARRIER



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EUFINEN	IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY						
RAUNAL	ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT]
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Eller El	ALIERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT						
105203	AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A						
IOErecioNA-	SPECIFIC DESCRIPTION OF THE ALTERATION.	0	07/31/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MK	CV	
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	EQNBK	STATION EQUATION BACK	
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	FT	FEET	
)	GAS	GAS PIPE	
	н	HORIZONTAL	
	HDD	HORIZONTAL DIRECTIONAL DRILLING	
	HVDC	HIGH-VOLTAGE DIRECT CURRENT TRANSMISSION LINE	
ND S)	INV	INVERT ELEVATION	
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	NY	NEW YORK	
	NYCDEP	NEW YORK CITY DEPT. OF ENVIRONMENT PROTECTION	
	NYCDOT	NEW YORK CITY DEPT. OF TRANSPORTATION	
	NYDPR	NEW YORK CITY DEPT. OF PARKS AND RECREATION	
	P#	PACKAGE #	
	PERM	PERMANENT	
T OF	PROP.	PROPOSED	
	PVC	POLYVINYL CHLORIDE	
	PVI	POINT OF VERTICAL INTERSECTION	
	R	RADIUS	
	RCP	REINFORCED CONCRETE PIPE	
	RD	ROAD	
	REV	REVISION	
	ROW	RIGHT-OF-WAY	
	RT	RIGHT	
	RTE	ROUTE	
	SEWER	SANITARY SEWER PIPE	
	SH	SHEET	
	ST	STREET	
DETAILS	STA	STATION	
DETAILS			
DETAILS	STORM	STORM DRAIN PIPE	
DETAILS	STORM TELECOM	STORM DRAIN PIPE TELECOMMUNICATIONS CABLE	
DETAILS	STORM TELECOM TEMP	STORM DRAIN PIPE TELECOMMUNICATIONS CABLE TEMPORARY	
DETAILS	STORM TELECOM TEMP TR	STORM DRAIN PIPE TELECOMMUNICATIONS CABLE TEMPORARY THERMAL RESISTIVITY	
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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SPLICE LOCATION TABLE							
STRUCTURE NAME	STATION	FINISHED GRADE	BOTTOM OF STRUCTURE	DIFFERENC			
TRANSITION VAULT 5 WITH LINK BOX (WITH WALL MOUNTED FIBER SPLICE)	80000+00.00	9.52	-3.00	12.52			
SPLICE VAULT 263	80009+45.71	10.05	-3.21	13.26			
SPLICE VAULT 264	80033+91.21	11.40	-2.05	13.45			
SPLICE VAULT 265	80047+40.36	8.50	-4.83	13.33			
SPLICE VAULT 266	80101+82.64	13.81	0.90	12.91			

THE ELECTRICAL ENGINEER OF RECORD, MICHAEL REHIS WHEELER, IS SEALING
FOR THE ELECTRICAL DESIGN AND ACCEPTABILITY OF THE LOCATIONS OF
ELECTRICAL APPURTENANCES DEPICTED ON THIS PLAN SHEET.
THE CIVIL ENGINEER OF RECORD, CHAKRADHAR VALLABH, IS SEALING FOR THE
ACCURACY OF THE LOCATIONS OF ELECTRICAL APPURTENANCES DEPICTED ON
THIS PLAN SHEET. SEE CIVIL NOTES ON GENERAL NOTES 2 OF 2, SHEET G-003,
FOR LIMITATIONS OF THE CIVIL ENGINEER OF RECORD'S SCOPE OF DESIGN.



CO-SEALING NOTE:











SEGMENTS 13, 14 & 15 - CONSTRUCTION METHODS

CHAPTER 4 - CONSTRUCTION METHODS				
TOPIC	SECTION OF EM&CP			
CABLE INSTALLATION REQUIREMENTS	4.2			
HORIZONTAL DIRECTIONAL DRILLING	4.3			
INSTALLATION AND PERFORMANCE CONTROLS	4.3.1			
BUILDINGS AND STRUCTURES WITHIN 100-FT OF HDD	4.3.2			
INADVERTANT RELEASE CONTINGENCY PLAN AND DRILLING FLUID MANAGEMENT	4.3.3, APPENDIX J			
ROAD CROSSING METHODS	4.3.4			
TRENCHING	4.4			
TRENCHING IN AGRICULTURAL LANDS	NOT APPLICABLE FOR THIS SEGMENT			
TRENCHING IN ROADWAYS	4.4.2			
TRENCHING IN RECREATIONAL AREAS	4.4.3			
TRENCHING IN WETLANDS	4.4.4			
LENGTH OF OPEN TRENCH	4.4.5			
SPLICING AND JOINTING	4.4.6			
DEWATERING METHODS	4.4.7			
BEDDING AND BACKFILLING METHODS	4.4.8			
DREDGING	NOT APPLICABLE FOR THIS SEGMENT			
CONVERTER STATION AND SUBSTATION REQUIREMENTS	NOT APPLICABLE FOR THIS SEGMENT			
RIGHT OF WAYS AND EASEMENTS	4.7			
RIGHT OF WAY CLEARING	4.8 (SEE ALSO SECTION 8)			
BUILDING AND STRUCTURE REMOVAL	4.9			
ACCESS ROADS	4.10			
DRIVEWAY ACCESS DURING CONSTRUCTION	4.10.1			
ACCESS THROUGH WETLANDS OR STREAMS	4.10.2			
ACCESS THROUGH AGRICULTURAL LANDS	NOT APPLICABLE FOR THIS SEGMENT			
DRAIN LINES AND UNDER DRAINS WITHIN AGRICULTURAL LANDS	NOT APPLICABLE FOR THIS SEGMENT			
SOIL MANAGEMENT PLAN	4.11 AND APPENDIX L			
CULVERT REPLACEMENT	4.12			
BLASTING	4.13			

TABLE 4 SUMMARIZES THE CONSTRUCTION METHODS AND ASSOCIATED SUBSECTIONS THAT SUMMARIZE THE MEASURES AND STANDARDS THAT WILL BE FOLLOWED WITHIN SEGMENTS 13, 14, AND 15.

SEGMENTS 13, 14 & 15 - HDD INFORMATION

TABLE 4–1 – SEGMENTS 13, 14, AND 15 HDD LOCATIONS					
SHEET	HDD #	LENGTH (FEET)	LOCATION (APPROXIMATE -SEE DRAWINGS FOR DETAILS)	PURPOSE	
C-101 - C-103	134	2,088	STA 80011+25 to 80032+10	BRONX KILL AND RANDAL ISLAND PARK CROSSIN	
C-104 - C-108	135	5,265	STA 80048+25 to 80100+35	EAST RIVER CROSSING	

TABLE 4-2 - PARCELS WITHIN 100 FEET OF HDD OPERATIONS					
HDD #	PARCEL	SHEET	LOCATION (APPROXIMATE –SEE DRAWINGS FOR DETAILS		
134	BLOCK 2260, LOT 62	C-101	STA 80011+25		
134 / 135	BLOCK 1819, LOT 203	C-104	STA 80048+25		
135	BLOCK 850, LOT 1	C-108	STA 80100+35		
135	BLOCK 850, LOT 100	C-108	STA 80100+35		
135	BLOCK 850, LOT 300	C-108	STA 80100+35		
135	BLOCK 850, LOT 310	C-108	STA 80100+35		





<u>SEGMENTS 13, 14 & 15 – ACCESS ROADS</u>

TABLE 4–5 – ACCESS ROADS					
TYPE OF ACCESS ROAD	SHEET #	LOCATION (APPROXIMATE -SEE DRAWINGS FOR DETAILS)	LOCATION (APPROXIMATE -SEE DRAWINGS FOR DETAILS)		
TEMPORARY CONSTRUCTION ACCESS ROAD (15-FT-WIDE)	C-101	STA 80007+00	NONE		
TEMPORARY CONSTRUCTION ACCESS ROAD (16-FT-WIDE)	C-103, C-104, C-631	STA 80034+50 to 80048+00	RANDALL'S ISLAND PARK		
TEMPORARY BUILT PEDESTRIAN/BIKE DETOUR USING EXISTING WALKWAY AND PAVEMENT	C-509	STA 80034+00	RANDALL'S ISLAND PARK BASEBALL FIELD		

TABLE 4.5 SUMMARIZES THE ACCESS ROADS IN THIS PACKAGE AND THEIR ASSOCIATED IMPACTS ON ENVIRONMENTALLY SENSITIVE AREAS AND AGRICULTURAL LANDS IF APPLICABLE. SECTION 4.8 OF THE EM&CP SUMMARIZES THE PROCEDURES THAT WILL BE FOLLOWED FOR THE CONSTRUCTION OF ALL ACCESS ROADS. ALL ACCESS ROADS WILL BE TEMPORARY AND RESTORED ACCORDING TO SECTION 14.2.4 AND 14.4.1 OF THE EM&CP AS APPLICABLE.

SEGMENTS 13, 14 & 15 - RECREATIONAL AREAS

	TABLE 7–1 –RECREATIONAL AREAS							
RECREATIONAL AREA	PLAN AND PROFILE (APPENDIX C) SHEET NUMBER	STATION (APPROXIMATE – SEE APPENDIX C FOR DETAILS)	ANTICIPATED IMPACTS TO RECREATIONAL AREA					
RANDALL'S ISLAND PARK	C-102 TO C-104	80015+00 to 80050+00	TEMPORARY GROUND DISTURBANCE DUE TO TRENCHING OF THE CABLE AND LOCALIZED TREE REMOVAL. SOME AREAS OF THE PARK WILL BE AVOIDED THROUGH HDD INSTALLATION.					

SEGMENTS 13, 14 & 15 - EM&CP EROSION AND SEDIMENT CONTROL NOTES

NOTES: 1. THE STORMWATER POLLUTION PREVENTION PLAN INCLUDED IN APPENDIX G OF THE EM&CP DESCRIBES THE EROSION AND SEDIMENT CONTROLS THAT WILL BE FOLLOWED FOR THIS SEGMENT. 2. THE EROSION AND SEDIMENT CONTROL PLANS CAN BE FOUND ON SHEETS C-401 TO SHEET C-404 FOR THIS SEGMENT.

SEGMENTS 13, 14 & 15 - EM&CP NOISE SENSITIVE AREAS NOTE

NOTE: 1. THE NOISE RECEPTORS THAT MAY OCCUR NEAR THE SEGMENT AT VARIOUS POINTS INCLUDE RESIDENCES AND BUSINESSES. SECTION 9.2 OF THE EM&CP DESCRIBES THE NOISE CONTROL MEASURES THAT WILL BE EMPLOYED THROUGHOUT THIS SEGMENT.

<u>SEGMENTS 13, 14 & 15 – FEMA</u>

NOTE: 1. FEMA FIRM MAPS ARE PROVIDED IN APPENDIX D OF THE STORMWATER POLLUTION PREVENTION PLAN WHICH IS INCLUDED IN APPENDIX G OF THE EM&CP.

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	FOR INFORMATION, SEE ENVIRONMENTAL AND CONSTRUCTION PLAN NARRATIVE.						
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CHAMPLAIN HUDSON POWER EXPRESS SEGMENTS 13 TO 15 - PACKAGE 8 FRANSITION VAULT 5 TO ASTORIA CONVERTER STATION

EM&CP DATA TABLES 01

RAWN BY: MK DESIGNED BY: MK APPROVED BY: CV SCALE REV. NO.

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NOTE:

SEGMENTS 13, 14 & 15 - TERMS AND DEFINITIONS FROM BMP DOCUMENT SECTION 5.2

TABLE 8.1 –	TERMS AND DEFINITIONS FROM BMP DOCUMENT SECTION 5.2
TERM	DEFINITION
CLEARING	THE CUTTING AND PHYSICAL REMOVAL, EITHER BY HAND OR MECHANICAL MEANS, OF ALL VEGETATION FROM THE WORK AREA
GRUBBING	THE MECHANICAL REMOVAL OF THE STUMP AND ROOT MASS OF FELLED WOODY VEGETATION
SLASH	SHRUBS, SAPLINGS, AND TOPS OF TREES 4 INCHES IN DIAMETER OR LESS AT THE LARGE END FOR HARDWOOD AND 6 INCHES IN DIAMETER OR LESS AT THE LARGE END FOR SOFTWOODS.
STUMPS	THE WOODY STEM AND FIBROUS ROOT MASS LEFT IN THE SOIL AFTER REMOVING THE TRUNK AT THE BUTT.
TIMBER/LOGS	TRUNKS AND LIMBS GREATER THAN 6 INCHES IN DIAMETER AT THE SMALL END, WITH A MINIMUM 8-FOOT LENGTH.

SEGMENTS 13, 14 & 15 - TREE AND VEGETATION CLEARING METHODS

	TABLE 8.2 - TREE AND VEGETATION CLEARING METHODS					
METHOD TYPE	METHOD TITLE	METHOD DESCRIPTION				
TYPE I	HAND CUTTING (HC)*	THIS METHOD EMPLOYS A HAND-HELD CHAIN SAW. IT IS SELECTIVE BUT IS SLOWER AND MORE EXPENSIVE THAN MOTORIZED MECHANICAL DEVICES. RESIDENTIAL AREAS, BUFFER ZONES, WETLANDS, AND HIGHWAY SCREENS ARE AREAS WHERE HAND CUTTING IS TYPICALLY PRESCRIBED.				
TYPE II	MECHANICAL CLEARING MACHINE (HA)	THIS TERM USUALLY REFERS TO A MACHINE KNOWN AS THE HYDRO-AX OR KERSHAW MOWER. THIS MACHINE CAN CUT TREES UP TO TEN (10) INCHES IN DIAMETER AT THE RATE OF SEVERAL ACRES A DAY, DEPENDING ON STEM DENSITY AND TERRAIN. IT IS ESSENTIALLY NONSELECTIVE AND A GOOD DEVICE FOR CLEARING RIGHTS-OF-WAY THAT ARE COMPOSED OF YOUNG UNDESIRABLE SPECIES IN A RELATIVELY UNIFORM STAND.				
TYPE III	MOWING	THIS TECHNIQUE IS PRIMARILY USED IN AREAS OF HERBACEOUS VEGETATION. TERRAIN MUST BE RELATIVELY FLAT WITH NO GULLIES OR ROCKS.				
TYPE IV	MECHANICAL WHOLE-TREE FELLING EQUIPMENT	THIS METHOD ALLOWS CONTROLLED FELLING AND LOADING OF WHOLE TREES WHILE MINIMIZING DAMAGE TO ADJACENT TREES. WHERE VEGETATION IS CLEARED, EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED AND MONITORED UNTIL THE TOPSOIL IS STABILIZED AND CAN SUPPORT GRASSY VEGETATION.				

NOTE: TABLE 8.4.1 SUMMARIZES THE LOCATION AND CLEARING TYPE THAT WILL OCCUR WITHIN THIS PACKAGE. SECTION 8.0 AND 8.1 OF THE EM&CP SUMMARIZES THE CLEARING METHODS AND PROCEDURES FOR VEGETATION AND TREE CLEARING AND REMOVAL INCLUDING STANDARDS AND SPECIFICATIONS FOR CLEARING IN ENVIRONMENTALLY SENSITIVE AREAS.

WETLANDS: SECTION 8.2.1 AND SECTION 9.1 OF THE EM&CP STREAM CROSSING: SECTION 8.2.1 AND SECTION 9.1 OF THE EM&CP. VISUALLY SENSITIVE AREAS SECTION 8.3.2 OF THE EM&CP

4. AGRICULTURAL LANDS: SECTION 8.2.2 OF THE EM&CP.





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SEGMENTS 13, 14 & 15 - TREE AND VEGETATION DISPOSAL METHODS

	TABLE 8.3 – TREE A	TABLE 8.3 - TREE AND VEGETATION DISPOSAL METHODS					
METHOD TYPE	METHOD TITLE	METHOD DESCRIPTION					
TYPE A	CONSTRUCTION USE	LOGS MAY BE UTILIZED AS NEEDED DURING CONSTRUCTION FOR WETLAND ACCESS, CRIBBING, RETAINING WALLS, OR OTHER USES. FOLLOWING USE, ANY LOGS UNSUITABLE FOR FIREWOOD, SAW LOGS, OR CHIPPING WILL BE TRANSPORTED OFF THE RIGHT-OF-WAY TO AN APPROVED DISPOSAL SITE.					
TYPE B	LOG PILES	LOGS NOT NEEDED FOR CONSTRUCTION WILL BE REMOVED FROM THE RIGHT-OF-WAY TO AN APPROVED DISPOSAL AREA.					
TYPE C	SALE	WHERE SUFFICIENT MERCHANTABLE VOLUME EXISTS ON THE SITE, LOGS MAY BE SOLD TO A THIRD PARTY. WHERE APPROPRIATE AND PRACTICAL, AND WITH THE AGREEMENT OF LANDOWNERS, UNSOLD LOGS WILL BE HAULED TO ACCESSIBLE LOCATIONS FOR SALVAGE BY THE GENERAL PUBLIC IN ACCORDANCE WITH THE SUBSTANTIVE REQUIREMENTS OF 6 NYCRR PART 192.5, FIREWOOD RESTRICTIONS TO PROTECT FORESTS FROM INVASIVE SPECIES.					
TYPE D	TREE/LOG CHIPPING	WHEN LOGS CANNOT BE REUSED OR SOLD, THEY WILL BE CHIPPED ON SITE. THE RESULTING WOOD CHIPS WILL BE PILED IN UPLAND AREAS WITHIN THE RIGHT-OF-WAY OR TRANSPORTED OFF RIGHT-OF-WAY TO AN APPROVED DISPOSAL SITE. WOOD CHIPS WILL BE SPREAD THREE (3) TO FIVE (5) INCHES THICK WITH FERTILIZER SPREAD OVER THE CHIPS TO MINIMIZE SOIL NITROGEN DEPLETION DUE TO CELLULOSE DECOMPOSITION.					
TYPE E	VEGETATION CHIPPING	VEGETATION MAY BE CHIPPED TO REDUCE DEBRIS VOLUME.					
TYPE F	VEGETATION HAULING	VEGETATION AND STUMPS MAY BE HAULED TO A NYSDEC APPROVED LANDFILL OR OTHER SUITABLE OFF-SITE LOCATION WITH THE APPROVAL OF THE LANDOWNER AND ALL APPLICABLE PERMITTING AGENCIES.					
TYPE G	VEGETATION BURIAL	STUMPS MAY BE BURIED ON THE RIGHT-OF-WAY WITH LANDOWNER AGREEMENT. THE BURIAL AREAS WILL BE SUFFICIENTLY COMPACTED AND MONITORED AFTER CONSTRUCTION TO ASSURE THAT SETTLING DOES NOT OCCUR. WHERE SIGNIFICANT SETTLING AFTER CONSTRUCTION HAS BEEN IDENTIFIED BY THE CONSTRUCTION INSPECTOR ET. AL., FINISHED GRADE WILL BE RE-ESTABLISHED USING LOCALLY OBTAINED RUN-OF-BANK MATERIAL AND/OR TOPSOIL AND RE-SEEDED AS APPROPRIATE AS SPECIFIED IN SECTIONS 14.2. AREAS WHERE SIGNIFICANT AMOUNTS OF STUMP BURIAL OCCURS WILL BE NOTED ON AS-BUILT DRAWINGS, AND MONITORED FOR SETTLING DURING ROW CONDITION SURVEYS AND MAINTENANCE ACTIVITIES.					

NOTE: SECTION 8.4 OF THE EM&CP SUMMARIZES THE TREE AND VEGETATION DISPOSAL PROCEDURES FOR THIS SEGMENT. NO BURNING OF ANY VEGETATIVE OR TREE DEBRIS IS PERMITTED WITHIN THE WORK AREAS OF THIS SEGMENT. ALL APPLICABLE NYSDEC REGULATIONS REGARDING INVASIVE SPECIES WILL BE FOLLOWED WHEN DISPOSING OF VEGETATION.

SEGMENTS 13, 14 & 15 - TREE AND CLEARING LOCATIONS

TABLE 8.4 VEGETATION AND TREE CLEARING LOCATIONS						
SHEET	LOCATION (APPROXIMATE – SEE DRAWINGS FOR DETAILS)	VEGETATION/TREE CLEARING METHOD TYPE	ENVIRONMENTALLY SENSITIVE AREA(S)			
C-101, C-401	80011+50 TO 80012+00	11, 111	RECREATIONAL AREA			
C-102 TO C-103, C-402 TO C-403	80017+00 TO 80050+00	l	TIDAL WETLAND			
C-108, C-404	80101+25 TO 80103+00	II	NONE			

<u>SEGMENTS 13, 14 & 15 – WETLAND IMPACTS</u>

	TABLE 9-2 SUMMARY OF WETLAND IMPACTS								
WETLAND ID	WETLAND COMMUNITY TYPE	DRAWING APPROXIMATE STATION (APPENDIX C)	JURISDICTION	PERMANENT ROW IMPACTS (SQUARE FEET)	TEMPORARY CONSTRUCTION IMPACTS (SQUARE FEET)	TEMPORARY STATE REGULATED ADJACENT AREA1 IMPACTS (SQUARE FEET)			
WETLAND A	BRACKISH TIDAL MARSH	C-104	USACE & NYSDEC	0	21,943	19,316			

NOTE: IN ACCORDANCE WITH 6 CRR-NY 661.4(A)(III), THE TIDAL WETLAND ADJACENT AREA WITHIN THE BOUNDARIES OF NEW YORK CITY IS 150 FEET OR TO THE ELEVATION CONTOUR OF 10 FEET ABOVE MEAN SEA LEVEL.

FOR INFORMATION, SEE ENVIRONMENTAL AND CONSTRUCTION PLAN NARRATIVE.							
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TABLE 12-3 ROAD AND HIGHWAY CROSSINGS						
ROAD/HIGHWAY	SHEET	STATION (APPROXIMATE, SEE DRAWINGS FOR DETAILS)	CROSSING METHOD			
WILLIS AVE	C-101	STA 80001+00 TO 80002+00	UNDER BRIDGE			
RANDALL'S ISLAND WALKWAY	C-102	STA 80016+00, 80018+50 TO 80019+50, 80027+00	TRENCHING			
PARKING LOT ENTRANCE OFF BRONX SHORE ROAD	C-102	STA 80028+50	HDD 134			
BRONX SHORE ROAD	C-103	STA 80031+50 TO 80032+50	HDD 134 AND TRENCHING			
BRONX SHORE ROAD	C-103	STA 80035+50				
ROBERT F KENNEDY BRIDGE (INTERSTATE 278)	C-103	STA 80036+50 TO 80037+50	UNDER BRIDGE			
CENTRAL ROAD (RANDALL'S ISLAND CONNECTOR/ BRONX KILL SWING BRIDGE)	C-104	STA 80048+00	UNDER BRIDGE			
11 TH AVENUE	C-108	STA 80105+00	OPEN TRENCH			

TABLE 12-4 ROAD PARALLEL CONSTRUCTION						
PARALLEL ROAD CROSSING	SHEET	APPROXIMATE STATION LOCATION (SEE DRAWINGS FOR DETAILS)	CROSSING METHOD			
UNNAMED ROAD WITHIN CON EDISON FACILITY	C-101	STA 80006+50 TO 80010+50	OPEN TRENCH			
BRONX SHORE ROAD	C-103	STA 80032+50 TO 80035+50	OPEN TRENCH			
UNNAMED ROAD WITHIN RANDALL'S ISLAND PARK	C-103, C-104	STA 80037+50 TO 80047+25	OPEN TRENCH			
11TH AVENUE	C-108	STA 80105+50 TO 80108+33	OPEN TRENCH			

SEGMENTS 13, 14 & 15 - CULTURAL RESOURCES

RCE NAME	LOCATION	IMPACT	PROTECTION MEASURE
RIDGE, BIN 01.000887)	LOCAL STREET BRIDGE. STATION 80001+50. ELIGIBLE FOR THE NATIONAL REGISTER. REPLACED BETWEEN 2006 AND 2010.	FORMER BRIDGE IS NO LONGER EXTANT, CURRENT BRIDGE IS NOT ELIGIBLE FOR THE NATIONAL REGISTER. UNDER THE BRIDGE, NO DIRECT IMPACTS ANTICIPATED.	NONE.
E,AKA RFK 000964)	HIGHWAY BRIDGE COMPLEX. STATION 80035+00. ELIGIBLE FOR THE NATIONAL REGISTER.	UNDER BRIDGE, NO DIRECT IMPACTS ANTICIPATED.	NONE.
, NEW YORK AILROAD. 336)	RAILROAD BRIDGE. STATION 80046+00. ELIGIBLE FOR THE NATIONAL REGISTER.	UNDER RAILROAD BRIDGE, NO DIRECT IMPACTS ANTICIPATED.	NONE.
4539		PROJECT IS WITHIN THE SITE, BUT THE SITE IS LIKELY MIS-MAPPED AS THIS PORTION OF QUEENS IS MADE-LAND CREATED AFTER 1898.	NONE.

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TABLE 11.1 – SEGMENTS 13. 14. AND 15 CULTURAL RESOURCES

NOTE: THERE WERE NO CULTURAL RESOURCES IDENTIFIED WITHIN SEGMENT 13, 14, 15. SECTION 10.0 OF THE EM&CP AND THE CULTURAL RESOURCE MANAGEMENT PLAN IN APPENDIX O OF THE EM&CP DESCRIBE THE PROCEDURES THAT SHOULD BE FOLLOWED DURING THE UNANTICIPATED DISCOVERY OF ARCHEOLOGICAL RESOURCES DURING CONSTRUCTIONS.

SEGMENTS 13, 14 & 15 - ROAD AND HIGHWAY CROSSINGS

SEGMENTS 13, 14 & 15 - ROAD PARALLEL CONSTRUCTION

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STA. 80028+00 TO STA. 80038+00 PROFILE SCALE: H:1" = 50' V:1" = 10'



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AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A						
SPECIFIC DESCRIPTION OF THE ALTERATION.	0	07/31/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MK	CV	
	No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAV















STA. 80067+00 TO STA. 80081+00 PLAN VIEW SCALE: 1" = 50'

	WILL BOONDANT					
SEE SHEET C-30	XIMATE LIMITS OF HDD 135 05 TO C-312 FOR THE APPR	OXIMATE				
RIVER BUILD	OM FROM BATHTMETRIC SUR					
						- - - - - - - - - - - - - - - -
80072+00 8007	3+00 8007	4+00 8007	5+00 800	76+00	80077+00	80078

STA. 80067+00 TO STA. 80081+00 PROFILE SCALE: H: 1" = 50' V: 1" = 10'

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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS							
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	ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT						
AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A							
	SPECIFIC DESCRIPTION OF THE ALTERATION.	0	07/31/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MK	CV	
		No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRA





STA.	80081+00	TO STA.	80095+00	PLAN	VIEW				
SCALE: 1" = 50'									

APPROXIMATE	LIMITS OF HDD 1.35				
SEE SHEET C-305 TO C	C-312 FOR THE APPROXIMATE				
RIVER BOTTOM FRO	DM BATHYMETRIC SURVEY				
80086+00 80087+00	80088+00	80089+00	80090+00	80091+00	80092

FOR ANY PERSON, UNLESS THEY E DIRECTION OF A LICENSED RCHITECT, LANDSCAPE ARCHITECT IER AN ITEM IN ANY WAY. IF AN OF A LICENSED PROFESSIONAL IS GINEER, ARCHITECT, LANDSCAPE OR SHALL STAMP THE DOCUMENT IN "ALTERED BY" FOLLOWED BY E OF SUCH ALTERATION, AND A ON OF THE ALTERATION.							<u> </u>				
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		No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRAV				



<u>NOTES:</u>

- 1. CONTRACTOR SHALL PROVIDE PROTECTION TO ABOVE GROUND FUEL OIL PIPELINE (TYP.).
- 2. ACCESS TO THIS STRUCTURE MUST BE MAINTAINED AT ALL TIMES.
- 3. CONTRACTOR SHALL MAINTAIN ACCESS TO THE DRIVING SCHOOL AT ALL TIMES.
- 4. SIZE, DEPTH, AND LOCATION OF EXISTING UTILITIES SHOWN ON THE PLAN ARE PENDING VERIFICATION.













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0	07/31/2023	ISSUED FOR CONSTRUCTION SUBMISSION	MK	CV	
No.	DATE	SUBMITTAL / REVISION DESCRIPTION	DB	APP	DRA