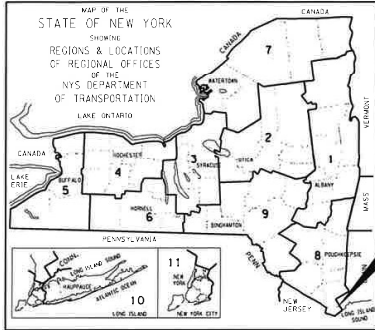


D040323



UNION AVENUE PEDESTRIAN SAFETY
 IMPROVEMENT PROJECT
 TOWN/VILLAGE OF HARRISON
 WESTCHESTER COUNTY, NY
 PIN 8762.51
 F.A. PROJECT

D040323

THE LATEST REVISIONS OF THE NYS DOT STANDARD SHEETS MAINTAINED BY THE DEPARTMENT, WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE NYS DOT STANDARD SPECIFICATIONS (AS CUSTOMARILY MAINTAINED BY THE DEPARTMENT WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS EXCEPT AS MODIFIED BY THESE PLANS OR BY CHANGES SET FORTH IN THE CONTRACT DOCUMENTS.

CONTRACT PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH NYS DOT POLICIES AND GUIDELINES AND THE FINAL DESIGN REPORT APPROVED ON 05/26/2023.

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 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.

PROJECT DESCRIPTION

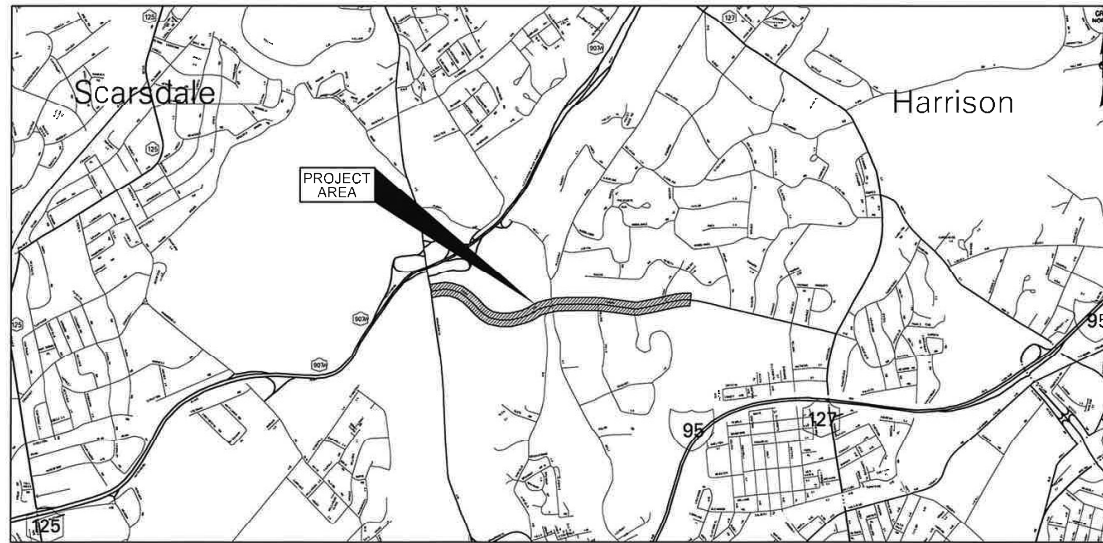
PROJECT INVOLVES THE INSTALLATION OF APPROXIMATELY 5500 LF OF ADA-COMPLIANT FACILITIES ALONG UNION AVENUE (COUNTY ROAD 94).

CONTRACT LIMITS

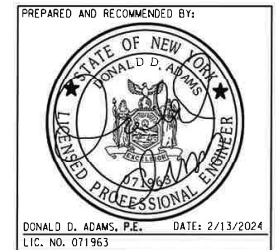
UNION AVENUE BEGINS 500 FEET PRIOR TO THE FIRST ADVANCED WARNING SIGN AND 500 FEET BEYOND THE END ROADWORK SIGNAGE.

CONTRACT D040323

WESTCHESTER COUNTY



PROJECT LOCATION



APPROVED BY: *[Signature]* 11-30-23
 TOWN/VILLAGE OF HARRISON DATE

D040323

 <small>CREIGHTON MANNING ENGINEERING LLP 100 PARKING CIRCLE, ALBANY, NEW YORK 12203 TEL: 518-537-1234 FAX: 518-537-1235</small>		
UNION AVENUE PEDESTRIAN		
SAFETY IMPROVEMENT PROJECT		
FEBRUARY 2024		
CM PROJECT NO. 120-031		
FED. ROAD REG. NO.	STATE	SHEET NO.
8	NY	1
CAPITAL PROJECT IDENTIFICATION NO.		8762.51
INDEX ON SHEET NO. 2		



D040323

ALIGNMENT		TOPOGRAPHY (MISCELLANEOUS)		UTILITIES	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AH	AHEAD	ABUT	ABUTMENT	E	ELECTRIC
AZ	AZIMUTH	AOBE	AS ORDERED BY ENGINEER	EMH	ELECTRIC MANHOLE
BK	BACK	ASPH	ASPHALT	G	GAS
B	BASELINE	BOY	BOUNDARY	GP	GUY POLE
BRG	BEARING	BLDG	BUILDING	GSB	GAS SERVICE BOX (HOUSE LINE)
C	CENTERLINE	BM	BENCH MARK	GV	GAS VALVE (MAIN LINE)
CS	CURVE TO SPIRAL	CC	CENTER TO CENTER	HYD	HYDRANT
e	SUPERELEVATION RATE (CROSS SLOPE)	CONC	CONCRETE	LP	LIGHT POLE
EQ	EQUALITY	CONST	CONSTRUCTION	LPG	LOW PRESSURE GAS
EXT	EXTERNAL	CR	COUNTY ROAD	PP	POWER POLE
HCL	HORIZONTAL CONTROL LINE	D	DEED DISTANCE	SA	SANITARY SEWER
HSO	HEADLIGHT SIGHT DISTANCE	DM	DIRECT MEASUREMENT	SMH	SANITARY MANHOLE
L	LENGTH OF CIRCULAR CURVE	DWY	DRIVEWAY	ST	STORM SEWER
LS	LENGTH OF SPIRAL	EP	EDGE OF PAVEMENT	T	TELEPHONE
LVC	LENGTH OF VERTICAL CURVE	ES	EDGE OF SHOULDER	TCB	TRAFFIC CONTROL BOX
E	CENTER CORRECTION OF VERTICAL CURVE	FEE	FEE ACQUISITION	TELBOX	TELEPHONE BOX
M	MAIN LINE	FEE WO/A	FEE ACQUISITION WITHOUT ACCESS	TEL P	TELEPHONE POLE
PC	POINT OF CURVATURE	FP	FENCE POST	TMH	TELEPHONE MANHOLE
PI	POINT OF INTERSECTION	FD	FOUNDATION	CTV	CABLE TELEVISION
POL	POINT ON LINE	FL	FENCE LINE	W	WATER
PSD	PASSING SIGHT DISTANCE	GAR	GARAGE	WSB	WATER SERVICE BOX (HOUSE LINE)
PT	POINT OF TANGENT	GR	GRAVEL	WV	WATER VALVE (MAIN LINE)
PVC	POINT OF VERTICAL CURVE	HO	HOUSE	SUBSURFACE EXPLORATION	
PVI	POINT OF VERTICAL INTERSECTION	HWY	HIGHWAY	ABBR.	DESCRIPTION
PVT	POINT OF VERTICAL TANGENT	IP	IRON PIN OR IRON PIPE	REPLACE ABBREVIATION "AB" WITH:	
R	RADIUS	MB	MAILBOX	AH	HAND AUGER
SC	SPIRAL TO CURVE	MON	MONUMENT	CP	CONE PENETROMETER
SSD	STOPPING SIGHT DISTANCE	N&W	NAIL AND WASHER	DA	2 1/4 INCHES CASED DRILL HOLE
ST	SPIRAL TO TANGENT	OG	ORIGINAL GROUND	DM	DRILLING MUD
STA	STATION	O/H	OVERHEAD	DN	4 INCHES CASED DRILL HOLE
T	TANGENT LENGTH	P	PARCEL	FH	HOLLOW FLIGHT AUGER
TGL	THEORETICAL GRADE LINE	PAVT	PAVEMENT	PA	POWER AUGER
TS	TANGENT TO SPIRAL	PE	PERMANENT EASEMENT	PH	PROBE
VC	VERTICAL CURVE	PED POLE	PEDESTRIAN POLE	PI	PERCOLATION TEST HOLE
TOPOGRAPHY (DRAINAGE)		P	PROPERTY LINE	RP	1 INCH SAMPLER (RETRACTABLE PLUG)
ABBR.	DESCRIPTION	POR	PORCH	TO BE DEFINED AT THE TIME OF EXPLORATION	
BB	BOTTOM OF BANK (STREAM)	RR	RAILROAD	SP	SEISMIC POINT
BC	BOTTOM OF CURB	RTE	ROUTE	TP	TEST PIT
BO	BOTTOM OF OPENING	ROW	RIGHT OF WAY	ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH:	
CAP	CORRUGATED ALUMINUM PIPE	RW	RETAINING WALL	B	BRIDGE
CB	CATCH BASIN	SH	STATE HIGHWAY	C	CUT
CIP	CAST IRON PIPE	SHLDR	SHOULDER	D	DAM
C STRM	CENTERLINE OF STREAM	SPK	SPIKE	F	FILL
CMP	CORRUGATED METAL PIPE	ST	STREET	K	CULVERT
CP	CONCRETE PIPE	STK	STAKE	W	WALL
CSP	CORRUGATED STEEL PIPE	STY	STORY	X TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE	
CULV	CULVERT	SW	SIDEWALK		
DIA	DIAMETER	TE	TEMPORARY EASEMENT		
DMH	DRAINAGE MANHOLE	TO	TEMPORARY OCCUPANCY		
DS	DRAINAGE STRUCTURE PIPE	U/C	UNDERGROUND		
D'XING	DITCH CROSSING	WW	WING WALL		
EHW	EXTREME HIGH WATER				
EL	ELEVATION				
ELEV	ELEVATION				
ELW	EXTREME LOW WATER				
ES	END SECTION				
HW	HEADWALL				
INV	INVERT				
MH	MANHOLE				
MHW	MEAN HIGH WATER				
OHW	ORDINARY HIGH WATER				
OLW	ORDINARY LOW WATER				
RCP	REINFORCED CONCRETE PIPE				
SICPP	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE				
TB	TOP OF BANK (STREAM)				
TC	TOP OF CURB				
TG	TOP OF GRATE				
VCP	VITRIFIED CLAY PIPE				

STANDARD SYMBOL (PLANS)	ITEM PAYMENT UNIT: ESTIMATE OF QUANTITIES SHEET	EQUIVALENT NOMENCLATURE: (SPECS/PROPOSAL)
"	-	INCHES
'	LF	LINEAR FEET
mi	MI	MILES
ft ²	SF	SQUARE FEET
YD ²	SY	SQUARE YARD
AC	AC	ACRES
YD ³	CY	CUBIC YARD
GAL	GAL	GALLON
lb	LB	POUND
TON	TON	TON

INDEX		TOTAL NUMBER OF SHEETS: 27
SHEET NUMBER	DESCRIPTION	DRAWING NUMBER
1	COVER	COVER
2	INDEX AND ABBREVIATIONS	INDEX
3 - 4	LEGEND LINES AND POINT SYMBOLLOGY	LEG-01 TO LEG-02
5	TYPICAL SECTIONS	TYP-01
6	GENERAL NOTES	GN-01
7	WORK ZONE TRAFFIC CONTROL NOTES	WZN-01
8	WORK ZONE TRAFFIC CONTROL PLAN	WZP-01
9	HORIZONTAL CONTROL TABLES	HWC-01
10	MISCELLANEOUS TABLES	MST-01
11	MISCELLANEOUS DETAILS	MSD-01
12 - 22	GENERAL PLANS	GNP-01 TO GNP-11
23	TRAFFIC SIGNAL PLAN	TSP-01
24	LANDSCAPE DEVELOPMENT NOTES	LAN-01
25 - 26	DRAINAGE TABLES	DRT-01 TO DRT-02
27	DRAINAGE DETAILS	DRD-01



UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT	PIN 8762.51	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040323
MAMARONECK AVENUE TO 130 UNION AVENUE					
TOWN/VILLAGE OF HARRISON				INDEX AND ABBREVIATIONS	DRAWING NO. INDEX SHEET NO. 2
COUNTY: WESTCHESTER	REGION: 8				



TOWN/VILLAGE OF HARRISON
WESTCHESTER COUNTY, NY

ALIGNMENT			DRAINAGE			ITS			ROW MAPPING			SIGNS			UTILITIES			
CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	
	ACC	CENTER OF CURVATURE		DINV	INVERT		IANT P	ANTENNAS		MDL1P	DEED LINE, TYPE 1		S	SINGLE POST		UEB	ELECTRIC, BOX	
	ACOGO	COGO		DS	STRUCTURE, RECTANGULAR		IASCTS	ACCOL. SPEED/COUNT SNSR.S		MDL2P	DEED LINE, TYPE 2		S.P	SINGLE POST, PROPOSED		UEM	ELECTRIC, METER	
	ACS	CURVE TO SPIRAL		DSI	STRUCTURE, INVERT		ICABPAD	CABINET & PAD		MDL3P	DEED LINE, TYPE 3		SB.P	BACK TO BACK, PROPOSED		UEMH	ELECTRIC, MANHOLE	
	ADPL.P	DETOUR, POINT OF INTERSECT.		DSM	STRUCTURE, MANHOLE		ICCTV	CCTV SITE		MDL4P	DEED LINE, TYPE 4		SDEL	DELINEATORS		UEPT	ELECTRIC, POLE, TRANS.	
	ADPL.P	DETOUR, POINT ON LINE		DSMTXX.P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96		ICDPD	CDPD TRANSCIVER		MDL5P	DEED LINE, TYPE 5		SPM	PARKING METER		UGM	GAS, METER	
	AEQN	EQUATION		DSMTXX.P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96		ICELLT	CELL PHONE TOWER		MEEP	EASEMENT, EXISTING		SRM	REFERENCE MARKERS		UGMH	GAS, MANHOLE	
	AEQNAMD	EQUATION AHEAD		DSR	STRUCTURE, ROUND		ICJB	CONDUIT JACK OR BORING		MEPAP.P	EASEMENT, PERM., APPROX.		SRSC3	SHLD, CTY, 123 DIG.		UGLM	GAS, LINE MARKER	
	AEQNBK	EQUATION BACK		DSTXX.CB.P	STRUCTURE, RECT., WITH CURB TYPE "XX" = F, G, N, O, P, R		ICNTLCAB	CONTROLLER CABINET		MEPP.P	EASEMENT, PERM., BACK LINE		SRSC4	SHLD, CTY, 4 DIG.		UGP	GAS/FUEL PUMP	
	AEVT	EVENT STATION		DSTXX.P	STRUCTURE, RECT., TYPE "XX" "XX" = L, K, L, M, O, P, U		ICPB	COMMUNICATION PULL BOX		MEPSP.P	EASEMENT, PERM., SHAPE		SRSC2	SHLD, CTY TOUR, 1-2 DIG.		UGV	GAS, VALVE	
	APC	POINT OF CURVATURE		DSTXX.P	STRUCTURE, RECT., TYPE "XX" "XX" = L, K, L, M, O, P, U		ICTD	CONDUIT TURNING DOWN		MFAP.P	FEE ACQUISITION, APPROX.		SRSC4	SHLD, CTY TOUR, 3-4 DIG.		UGVT	GAS, VENT	
	APCC	POINT OF COMPOUND CURVATURE					ICTU	CONDUIT TURNING UP		MFP.P	FEE ACQUISITION, BACK LINE		SRS1	SHLD, INTERSTATE		ULP	LIGHTING, POLE	
	API	POINT OF INTERSECTION	ENVIRONMENTAL				ICVTRT	COMM. VEH. ROAD TRANSCIVER		MFPSP.P	FEE ACQUISITION, SHAPE		SRS2	SHLD, NATIONAL, 2 DIG.		ULPM	LIGHTING, POLE, MEDIAN	
	APOB	POINT OF BEGINNING					IDEFAULT	DEFAULT		MHBAP	HIGHWAY BNDRY., APPROX.		SRSN3	SHLD, NATIONAL, 3 DIG.		ULPD	LIGHTING, POLE, PED.	
	APOC	POINT OF CURVATURE					IEZR	E-ZPASS READER		MHBGP	HISTORICAL, BLDG. CORNERS		SRSS2	SHLD, STATE, 2 DIG.		UMFC	MISC. FILLER CAP	
	APOE	POINT OF END					IEZTR	TRANSMITTAL READER		MHBP	HIGHWAY BNDRY, PT.		SRSS3	SHLD, STATE, 3 DIG.		UOLM	OIL, LINE MARKER	
	APOL	POINT ON LINE					IFOXCAB	FIBER OPTIC X-CONNECT CABINET		MJCP	PT., JURIS. CITY		SRSS4	SHLD, STATE, 4 DIG.		UP	POLE, WITH UTILITY	
	APOS	POINT ON SPIRAL					IFUSSPL	FUSION SPLICE		MPBC	PT., BUILDING CORNER	TRAFFIC CONTROL					UPD	POLE, DEAD (NO UTILITY)
	APOT	POINT ON TANGENT					IHARADV	HAR ADVISORY SIGN		MPCC	PT., CROSS CUT		TCBJ	BOX, JUNCTION		UPL	POLE, WITH LIGHT	
	APOVC	POINT ON VERTICAL CURVE					IHARST	HAR SITE		MPDH	PT., DRILL HOLE		TCBP	BOX, PULL BOX		USMH	SANITARY SEWER MANHOLE	
	APOVT	POINT ON VERTICAL TANGENT					ILC	LOAD CENTER		MPF	PT., FENCE LOCATION		TCBS	BOX, SPLICE		UTB	TELEPHONE, BOOTH	
	APORC	POINT ON REVERSE CURVE					IMECSPL	MECHANICAL SPLICE		MPIP	PT., IRON PIPE		TCMC	MICROCOMPUTER CABINET		UTLM	TELEPHONE, LINE MARKER	
	APT	POINT OF TANGENCY		IMSCS	PORT. SPEED & COUNT SENSOR		MPIR	PT., IRON ROD		TCPP	PED POLE		UTMH	TELEPHONE, MANHOLE				
	APVC	POINT OF VERTICAL CURVATURE		IMSCS	MICRO SPEED & COUNT SENSOR		MPM	PT., MONUMENT		TCSH	SIGNAL HEADS		UTVLM	CABLE TV, LINE MARKER				
	APVCC	POINT OF VERT. CMPND CURVE		IMT	MICROWAVE TRANSCIVER		MPMM	PT., MONUMENT, MISC.		TCSH	SIGNAL HEADS		UTVPB	CABLE TV, PULL BOX				
	APV1	POINT OF VERT. INTERSECTION		IOVHVS	PERM. OVERHEAD VMS		MPN	PT., NAIL		TCSP	SIGNAL POLE		UUB	UNKNOWN, BOX				
	APVRC	POINT OF VERT. REVERSE CURVE		IPASCS	PORT. ACCOL. SPD & CNT. SENSOR		MPRS	PT., RAILROAD SPIKE	TRAFFIC WORK ZONE					UUB	UNKNOWN, BOX			
	APVT	POINT OF VERTICAL TANGENCY		IPEDS	PEDESTRIAN SIGNAL HEAD		MPSP	PT., SPIKE		TWZAP.P	ARROW PANEL		UUBH	UNKNOWN, MANHOLE				
	ASC	SPIRAL TO CURVE		IPSS	PAVEMENT SURFACE SENSOR		MPST	PT., STAKE		TWZAP.C	ARROW PANEL, CAUTION MODE		UUPB	UNKNOWN, PULL BOX				
	ASPI	SPIRAL POINT OF INTERSECTION		IPVMS	PERM. VMS		MPSTW	PT., TREE W/ WIRE		TWZAPT.P	ARROW PANEL, TRAILER OR SUPPORT		UUVL	UNKNOWN, VALVE				
	ASTS	SPIRAL TO SPIRAL		IRM	RAMP METER		MPWL	PT., WALL LOCATION		TWZBCD.P	BARRICADE (TYPE III)		UUVT	UNKNOWN, VENT				
	AST	SPIRAL TO TANGENT		IRWIS	RDWY WEATHER INFO. SENSOR	ROW ACQUISITION				TWZCMS.P	CHANGEABLE MESSAGE SIGN (PVMS)		UUV	UNKNOWN, WELL				
	ATS	TANGENT TO SPIRAL		ISP	SOLAR PANEL		MFS.P.T	FEE ACQUISITION		TWZFLG.P	FLAGGER		UWFH	WATER, FIRE HYDRANT				
	AVEVT	VERTICAL EVENT POINT		ISST	SPREAD SPECT. TRANSCIVER		MEPS.P.T	EASEMENT, PERMANENT		TWZFT.P	FLAG TREE		UWM	WATER, METER				
	AVHIGH	VERTICAL HIGH POINT		ITDB	TELEPHONE DEMARCATION BLK		METS.P.T	EASEMENT, TEMPORARY		TWZIA.P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)		UWMH	WATER, MANHOLE				
	AVLOW	VERTICAL LOW POINT		ITP	SUBSURFACE TEMP. PROBE		METS.P.T	OCCUPANCY, TEMPORARY		TWZLUM.P	LUMINAIRE (TEMPORARY)		UWV	WATER, VALVE				
BRIDGE				IVTRT	VEHICLE TO ROWY TRANSCIVER		MFS.P.T	FEE ACQUISITION W/O ACCESS		TWZSDT.P	SYMBOL, DIRECTION OF TRAFFIC		UWV	WATER, WELL				
	BSC	BRIDGE, SCUPPER		IWMD	WEIGHT IN MOTION DETECTOR	ROADWAY				TWZSDTD.P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR	LEGEND POINT SYMBOLLOGY						
CONTROL				IWVR	WIRELESS VIDEO REPEATER		TWZSGN.P	SIGN (TEMPORARY)										
	CBP	BASELINE, POINT		IWVRC	WIRELESS VIDEO RECEIVER		TWZSIG.P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)										
	CBPOL	BASELINE, POINT ON LINE		IWVTT	WIRELESS VIDEO TRANSMITTER		TWZWLP	WARNING LIGHT										
	CBSP	BASELINE, SPUR POINT	1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED). 2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.). 3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES. 4. PROPOSED FEATURE SYMBOLLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.015 IN ON B SIZE DRAWINGS). 5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.						TWZWV.P	WORK VEHICLE								
	CBTP	BASELINE, TIE POINT							TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR								
	CPBM	BENCHMARK																
	CPH	POINT, HORIZ. PHOTOGRAMMETRY																
	CPSM	POINT, SURVEY MARKER, PERM.																
	CPSV	POINT, VERT., PHOTOGRAMMETRY																
UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT									PIN 8762-51		BRIDGES		CULVERTS		ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED		CONTRACT NUMBER D040323	
MAMARONECK AVENUE TO 130 UNION AVENUE																		
TOWN/CITY/LAKE OF HARBOR																		

UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT		PIN 8762.51	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED		CONTRACT NUMBER D040323
MAMARONECK AVENUE TO 130 UNION AVENUE					LEGEND POINT SYMBOLLOGY		DRAWING NO. LEG-01
TOWN/VILLAGE OF HARRISON							SHEET NO. 3
COUNTY: WESTCHESTER		REGION: 8					
					Creighton Manning		TOWN/VILLAGE OF HARRISON WESTCHESTER COUNTY, NY

UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT	PIN 8762.51	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040323
WAMARONECK AVENUE TO 130 UNION AVENUE				LEGEND LINE SYMBOLOLOGY	DRAWING NO. LEG-02
TOWN/VILLAGE OF HARRISON					SHEET NO. 4
COUNTY: WESTCHESTER REGION: 8					
				 Creighton Manning ENGINEERS	 TOWN/VILLAGE OF HARRISON WESTCHESTER COUNTY, NY

FILE NAME : N:\Projects\2020\128-031 Harrison - Union Ave Sidewalks\Working\2020\128-031.dwg, upl.dwg
DATE/TIME : 2/13/2024 12:01:37 PM
PLOT : NYS001.dwg, PDF, alliefg

JOB MANAGER C. GEROUX
CHECK D. BORJAS
DRAFTING K. DETRICK
DESIGN K. GENSLEER
DESIGN SUPERVISOR D. ADAMS



PREPARED BY: DONALD D. ADAMS, P.E.
ON: 2/13/2024

ALTERED BY:
ON:

ITEM NO.	DESCRIPTION	UNIT	ITEM NO.	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	407.0103	STRAIGHT TACK COAT	GAL
203.03	EMBANKMENT IN PLACE	CY	608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
304.11000008	SUBBASE COURSE (MODIFIED)	CY	608.020102	ASPHALT SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS, AND VEGETATION CONTROL STRIPS	TON
404.098301	9.5 F3 TOP COURSE WMA, 80 SERIES COMPACTION	TON	609.0401	CAST-IN-PLACE CONCRETE CURB TYPE VF150	LF
404.198901	19 F9 BINDER COURSE WMA, 80 SERIES COMPACTION	TON	610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY
404.378901	37.5 F9 BASE COURSE WMA, 80 SERIES COMPACTION	TON			

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT
MAMARONECK AVENUE TO 130 UNION AVENUE
TOWN/VILLAGE OF HARRISON
COUNTY: WESTCHESTER REGION: 8

NOTES:

- ITEM 407.0103 STRAIGHT TACK COAT SHALL BE APPLIED TO ALL SAWCUTS, ON EXISTING SURFACES, AND BETWEEN ALL PAVEMENT LIFTS.
- ITEM 418.7603 ASPHALT PAVEMENT JOINT ADHESIVE SHALL BE APPLIED ON ALL VERTICAL FACES FOR ALL THE JOINTS ON THE SURFACE COURSE.
- ITEM 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS SHALL BE 6" THICK AND ITEM 304.11000008 - SUBBASE COURSE (MODIFIED) SHALL BE 8" THICK AT DRIVEWAYS.
- CROSS SLOPE TO MATCH EXISTING CROSS SLOPE OF TRAVEL LANE.
- FOR LANDSCAPE AREAS WITH WIDTH BELOW 3 FT CONTRACTOR SHALL PLACE 4" ITEM 608.020102, HMA PAVEMENT AND 6" ITEM 304.11000008, SUBBASE COURSE (MODIFIED) INSTEAD OF 4" ITEM 610.1605, TURF ESTABLISHMENT-PERFORMANCE.

PIN 8762.51

BRIDGES

CULVERTS

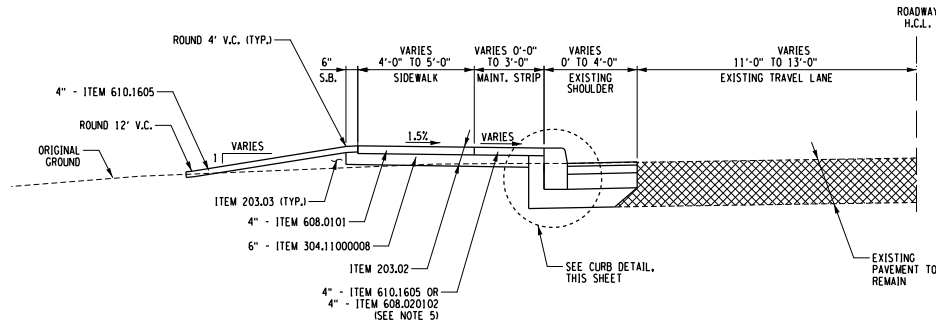
ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

CONTRACT NUMBER
D040323

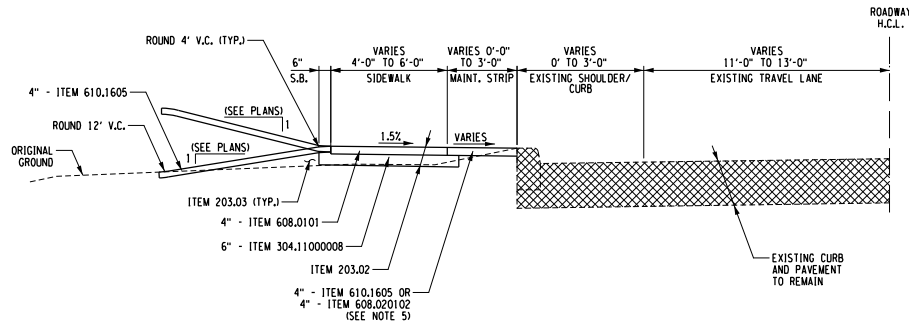
TYPICAL SECTIONS

DRAWING NO. TYP-01
SHEET NO. 5

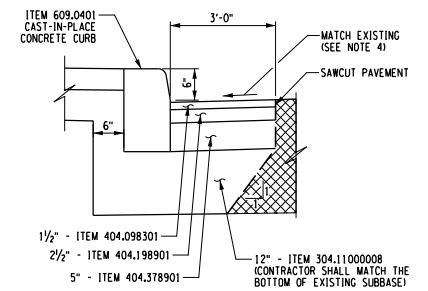
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, 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.



TYPICAL SIDEWALK SECTION WITH CURB - UNION AVENUE
STA. 10+60 LT. TO STA. 37+60 LT.
STA. 30+00 RT. TO STA. 36+90 RT. (MIRROR TYPICAL SECTION)
(NOT TO SCALE)



TYPICAL SIDEWALK SECTION WITH EXISTING CURB - UNION AVENUE
STA. 38+20 LT. TO STA. 64+40 LT.
(NOT TO SCALE)



CURB DETAIL
(NOT TO SCALE)

GENERAL NOTES:

- UNLESS OTHERWISE NOTED ALL ITEM NUMBERS FOR SPECIFIC WORK TASKS RELATE TO THE NEW YORK STATE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD ALL EXISTING AND GIVEN CONDITIONS, ELEVATIONS AND DIMENSIONS SHOWN ON THE PLANS. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL MAKE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS, AS APPROVED BY THE ENGINEER. ALL FIELD CONDITIONS AND DIMENSIONS SHALL BE NOTED ON THE AS-BUILT DRAWINGS SUBMITTED FOR APPROVAL.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF CONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH FIELD CONDITIONS.
- NO ADDITIONAL PAYMENT SHALL BE MADE FOR WORK CALLED FOR BY NOTES ON THE PLAN, IN THE SPECIFICATIONS, OR UNDER THE HEADING "GENERAL NOTES" UNLESS PAYMENT IS SPECIFICALLY INDICATED BY ITEM NUMBER, THE COST OF WORK FOR WHICH NO PAYMENT IS INDICATED SHALL BE INCLUDED IN THE LUMP UNIT BID PRICE FOR THE VARIOUS ITEMS IN THE CONTRACT.
- THE CONTRACTOR IS ADVISED THAT ADDITIONAL NOTES WILL BE FOUND ON SUBSEQUENT SHEETS OF THE PLANS AND SUCH NOTES, WHILE PERTAINING TO THE SPECIFIC DRAWINGS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
- IF THE ENGINEER NOTIFIES THE CONTRACTOR OF ANY HAZARDOUS CONSTRUCTION PRACTICES, ALL OPERATIONS IN THE AFFECTED AREA SHALL BE DISCONTINUED AND IMMEDIATE ACTION SHALL BE TAKEN TO CORRECT THE SITUATION TO THE SATISFACTION OF THE ENGINEER BEFORE WORK IS RESUMED.
- ALL EXISTING PAVEMENT AND SHOULDER SURFACES THAT ARE TO BE RESURFACED SHALL BE CLEANED IN ACCORDANCE WITH SECTION 633 (CONDITIONING OF EXISTING PAVEMENT) OF THE NYSOT STANDARD SPECIFICATIONS.
- ALL EXISTING TRAFFIC SIGNS REMOVED BY THE CONTRACTOR WITH A COUNTY STICKER ON THE BACK OF THE PANEL SHALL BECOME THE PROPERTY OF THE COUNTY. SIGNS WILL BE STORED AND LOCAL RESIDENCY NOTIFIED FOR PICKUP. ALL OTHER EXISTING SIGNS SHALL BECOME THE PROPERTY OF THE TOWN/VILLAGE.
- ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES, AND REGULATIONS.
- THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF EXISTING EDGE OF PAVEMENT ALONG ALL RIGHTS-OF-WAY.
- SUBMITTALS, CATALOG CUTS, SAMPLES, AND SHOP DRAWINGS MUST BE RECEIVED, REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO ORDERING OR FABRICATION OF MATERIALS AND PRIOR TO INSTALLATION OF MATERIALS. FAILURE TO DO SO MAY RESULT IN TIME DELAYS. THE CONTRACTOR WILL NOT BE ENTITLED TO COMPENSATION FOR SAID TIME DELAYS, REMOVALS, OR REPLACEMENTS.
- THE CONTRACTOR SHALL PROVIDE AN ACI CERTIFIED CONCRETE FLAT WORK FINISHER TO SUPERVISE ALL HAND FINISHING PER THE STANDARD SPECIFICATION. CERTIFICATION SHALL BE PROVIDED TO THE ENGINEER.
- THE EXCAVATION ASSOCIATED WITH CURB INSTALLATION SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 609 OF THE STANDARD SPECIFICATIONS.

ENVIRONMENTAL NOTES:

- ALL DISTURBED UNPAVED AREAS WITHIN THE DESIGNATED WORK LIMITS SHALL BE GRADED, FERTILIZED, SEEDED AND MULCHED AS SPECIFIED UNDER SECTION 610 (GROUND VEGETATION - PREPARATION, ESTABLISHMENT AND MANAGEMENT) OF THE NYSOT STANDARD SPECIFICATIONS.
- DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO THE WATERS OF NEW YORK STATE. NOR SHALL WASHINGS FROM REDI-MIX TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER ANY WETLAND OR WATERS. DESIGNATED WASH OUT AREAS TO BE APPROVED BY THE ENGINEER IN CHARGE.

UTILITY NOTES:

- LOCATION OF UTILITIES, PUBLIC AND/OR PRIVATE, INDICATED ON THE PLANS AS EXISTING AND/OR TO BE CONSTRUCTED ARE APPROXIMATE ONLY. THEIR EXACT LOCATION SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES, WHETHER ABANDONED OR IN SERVICE, MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT HIS OR HER OPERATIONS, AND TAKE NECESSARY PRECAUTIONS SUCH THAT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION IS PREVENTED.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CALL "DIG SAFELY" (1-800-962-7962) TO HAVE UNDERGROUND UTILITIES LOCATED.
- EXPLORATORY EXCAVATIONS SHALL BE PERFORMED AS NEEDED BY THE CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO WORK IN CONGESTED UTILITY AREAS. ALL TEST PITS IDENTIFIED ON THESE DRAWINGS ARE TO BE COMPLETED AND TEST PIT LOSS SUBMITTED TO THE ENGINEER WITHIN FOURTEEN (14) DAYS FOLLOWING NOTICE TO PROCEED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE QUALITY OF THE UNDERGROUND UTILITY INFORMATION ON THE PLANS IS QUALITY LEVEL "C". FOUR SEPARATE QUALITY LEVELS OF SUBSURFACE UTILITY FACILITY INFORMATION ARE GENERALLY RECOGNIZED AND ARE AS FOLLOWS:
 - QUALITY LEVEL A (QLA): QUALITY LEVEL A IS THE HIGHEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS HAS BEEN OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITY FACILITIES) OF SUBSURFACE UTILITIES, USING (TYPICALLY) MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO DETERMINE THEIR PRECISE HORIZONTAL AND VERTICAL POSITIONS, AS WELL AS THEIR OTHER UTILITY FACILITY ATTRIBUTES. (SHOWN AS QLA)
 - QUALITY LEVEL B (QLB): QUALITY LEVEL B IS THE SECOND HIGHEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS HAS BEEN OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS (I.E., UNDERGROUND CAMERAS, RADAR, SONAR, TONE CUTO, ETC.) TO IDENTIFY THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF SUBSURFACE UTILITY FACILITIES. QUALITY LEVEL B DATA ARE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEVIATION. THE INFORMATION WAS SURVEYED TO APPLICABLE TOLERANCES AND REDUCED ONTO THE PLANS. NO EXCAVATIONS WERE PERFORMED. (SHOWN AS QLB)
 - QUALITY LEVEL C (QLC): QUALITY LEVEL C IS THE THIRD HIGHEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS HAS BEEN OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO UTILITY LEVEL D INFORMATION. (SHOWN AS QLC)
 - QUALITY LEVEL D (QLD): QUALITY LEVEL D IS THE LOWEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS WAS DERIVED SOLELY FROM EXISTING NYSOT AND/OR UTILITY COMPANY RECORDS OR RECOLLECTIONS. (SHOWN AS QLD)

SURVEY NOTES:

- BASE MAPPING AND RIGHT-OF-WAY INFORMATION PREPARED BY GOB GEOSPATIAL, LOCATED AT MELVILLE, NY 11747 (PH. 516-579-3111).

ACCESS AND NOTIFICATION NOTES:

- THE CONTRACTOR SHALL PROVIDE SAFE AND ADEQUATE ACCESS INTO OR THROUGH THE WORK SITE BY EMERGENCY VEHICLES AT ALL TIMES.
- THE CONTRACTOR SHALL MAINTAIN ALL TRAFFIC IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE NYS SUPPLEMENT, AND EFFORTS SHALL BE COORDINATED WITH THE ENGINEER, AND/OR THE TOWN/VILLAGE. TEMPORARY PAVEMENT SHALL BE PLACED WITHIN 48 HOURS OF COMPLETION OF EXCAVATION AND BACKFILL OPERATIONS WITHIN THE PAVEMENT LIMITS.
- THE CONTRACTOR SHALL NOTIFY THE COUNTY AND/OR THE TOWN/VILLAGE 72 HOURS PRIOR TO ANY STREET OR LANE CLOSURES OR ANY WORK AFFECTING TRAFFIC SIGNALS.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL COMMERCIAL AND RESIDENTIAL PROPERTIES AT ALL TIMES TO THE SATISFACTION OF THE ENGINEER. RAMPING CONSTRUCTION TO PROVIDE ACCESS MAY BE CONSTRUCTED WITH SUBBASE MATERIAL EXCEPT THAT TEMPORARY ASPHALT CONCRETE SHALL BE PLACED AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE PEDESTRIAN ACCESS AT ALL TIMES.
- THE CONTRACTOR SHALL NOTIFY ALL RESIDENTS AND BUSINESSES LOCATED IN THE WORK ZONE 72 HOURS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. SUCH NOTICES WILL BE FURNISHED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER AND/OR THE TOWN/VILLAGE.

RIGHT OF WAY NOTES:


- ALL WORK TO BE PERFORMED UNDER THIS CONTRACT WILL BE WITHIN THE PUBLIC RIGHT-OF-WAY (ROW) IN ACCORDANCE WITH SECTION 105-15 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR IS TO ASSURE HIMSELF THAT ALL WORK IS BEING PERFORMED WITHIN THE ROW, INCLUDING BUT NOT LIMITED TO VEHICLE ACCESS, STORAGE OF EQUIPMENT, MATERIALS, DEBRIS AND WASTE, LANDSCAPING, VEGETATION REMOVAL AND MANAGEMENT, GRADING, SEEDING AND THE INSTALLATION OF TURF, AND THE INSTALLATION OF ANY FENCES OR PROTECTIVE BARRIER.
- IF THE CONTRACTOR IS UNABLE TO IDENTIFY THE LIMITS OF THE RIGHTS-OF-WAY WHEN THE CONTRACT CALLS FOR WORK IN THOSE VICINITIES, THE CONTRACTOR MUST CONTACT THE PROJECT ENGINEER FOR DEFINITIVE BOUNDARY DETERMINATIONS BEFORE ANY WORK MAY BE INITIATED AT THOSE LOCATIONS (STANDARD SPECIFICATIONS SECTIONS 105-10 AND 625).
- IN ACCORDANCE WITH SECTION 107-13 OF THE STANDARD SPECIFICATIONS, RELEASES FOR ANY NON-ESSENTIAL CONTRACT WORK OUTSIDE OF THE EXISTING RIGHTS-OF-WAY, INCLUDING PLANTINGS, LANDSCAPING OR DRIVEWAY ENHANCEMENT, WILL BE PROVIDED BY THE PROJECT ENGINEER AND IN NO INSTANCE ARE TO BE SECURED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT INVADE UPON PRIVATE PROPERTIES, LANDS OR BUILDINGS OUTSIDE OF THE RIGHTS-OF-WAY FOR ANY REASON WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE PROPERTY OWNER (STANDARD SPECIFICATIONS SECTION 105-15, 107-13).
- THE CONTRACTOR WILL BE HELD LIABLE FOR ANY DAMAGES DONE, ANY SUCH INJURIES OR DAMAGES SHALL BE SATISFACTORY REPAIRED OR ITEMS PLACED AT THE CONTRACTOR'S EXPENSE (STANDARD SPECIFICATIONS SECTION 107-08 AND 107-13).



PROJECT SPECIFIC NOTES:

- THE CONTRACTOR SHALL NOT BEGIN WARMING UP HIS OR HER EQUIPMENT BEFORE 7:00 AM. NOR KEEP THE EQUIPMENT RUNNING AFTER 8:00 PM. MAINTENANCE OF EQUIPMENT ON SITE WHICH REQUIRES THE EQUIPMENT TO BE RUNNING SHALL BE APPROVED BY THE ENGINEER IF THE MAINTENANCE IS PERFORMED OUTSIDE THE WORK HOUR RESTRICTIONS.
- THE CONTRACTOR SHALL SECURE A WESTCHESTER COUNTY ROAD PERMIT WITH THE TOWN/VILLAGE AS CO-APPLICANT. THE CONTRACTOR SHALL PAY ALL COUNTY PERMIT FEES.
- THE CONTRACTOR SHALL BE MADE AWARE THAT OUTCROPPINGS OF ROCK ARE PRESENT ALONG SECTIONS OF THE PROJECT AREA. EXCAVATION OF THESE AREAS SHALL BE PAID FOR UNDER ITEM 203.02.
- IN ADDITION TO THE CURING REQUIREMENTS OF THE NYSOT STANDARD SPECIFICATIONS, CONCRETE SIDEWALKS PLACED AFTER OCTOBER 15TH SHALL BE CURED USING WET BURLAP AND A PLASTIC COVERING, FOLLOWED BY A PENETRATING SEALER PRIOR TO THE FIRST FREEZE. THE COST FOR THESE ITEMS SHALL BE INCLUDED IN THE PRICE BID FOR THE CONCRETE SIDEWALKS ITEM IN THE CONTRACT.

SUGGESTED CONSTRUCTION SEQUENCING:

- INSTALL ADVANCED WORK ZONE SIGNAGE AND TEMPORARY EROSION AND SEDIMENT CONTROL.
- INSTALL PROPOSED STORM SEWER IMPROVEMENTS.
- INSTALL NEW CURBING, SIDEWALKS, AND LANDSCAPING.
- INSTALL TRAFFIC SIGNAL CAMERA.
- SITE RESTORATION AND REMOVE ADVANCED WORK ZONE SIGNAGE.

PREPARED BY: DONALD D. ADAMS, P.E. ON: 2/13/2024	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT	PIN 8762.51	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040323	
	MAMARONECK AVENUE TO 130 UNION AVENUE					GENERAL NOTES	
	TOWN/VILLAGE OF HARRISON						DRAWING NO. GNN-01
	COUNTY: WESTCHESTER REGION: 8						SHEET NO. 6
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 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.							
						 TOWN/VILLAGE OF HARRISON WESTCHESTER COUNTY, NY	

FILE NAME : NYS01-2024-021 Harrison - Union Ave Sidewalks Working CAD.dgn(128 KB) .pdf .open .dlg
DATE/TIME : 2/13/2024 12:01:08 PM
PLOT : NYS01-2024-021.pdf at 1/9

JOB MANAGER C. GEROUX
DESIGN K. GENSLER
SUPERVISOR D. ADAMS
DRAFTING K. DETRICK
CHECK C. GEROUX
CHECK D. BORJAS
PROJECT MANAGER C. GEROUX

WORK ZONE TRAFFIC CONTROL NOTES:

1. GENERAL NOTES

- A. WORK ZONE TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 619 - WORK ZONE TRAFFIC CONTROL - OF THE NYSDOT STANDARD SPECIFICATIONS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, NYSDOT STANDARD SHEETS 619 SERIES, AND ANY PROVISIONS CONTAINED IN THESE PLANS.
- B. THE TYPICAL DETAILS DEPICTED ON THE STANDARD SHEETS, THE TRAFFIC CONTROL PLANS, AND IN THE MUTCD REFLECT THE MINIMUM REQUIREMENTS. ADDITIONAL SIGNS AND/OR TRAFFIC CONTROL DEVICES MAY BE REQUIRED AS ORDERED BY THE ENGINEER (AOBE), COST TO BE INCLUDED IN THE PRICE BID FOR THE APPROPRIATE ITEMS. IF AT ANY TIME THE ENGINEER DETERMINES THAT TRAFFIC IS NOT BEING PROPERLY MAINTAINED WITHIN A WORK ZONE, THE CONTRACTOR SHALL IMMEDIATELY CORRECT THE INDICATED DEFICIENCY, AOBE.
- C. THE CONTRACTOR MUST SUBMIT TO THE ENGINEER, IN WRITING, PROPOSED REVISIONS TO THE TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE TOWN/VILLAGE FIVE (5) WORKING DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH PROPOSED REVISIONS, EXCEPT FOR CHANGES THAT ALTER THE BASIC CONCEPT OF THE TRAFFIC CONTROL PLAN. SUCH CONCEPTUAL CHANGES MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BY THE TOWN/VILLAGE THIRTY (30) WORKING DAYS PRIOR TO IMPLEMENTATION OF SUCH REVISIONS.
- D. THE CONTRACTOR SHALL PROVIDE THE ENGINEER, IN WRITING, WITH THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS. THE ENGINEER WILL PROVIDE THE SUBMITTED INFORMATION TO THE COUNTY, THE TOWN/VILLAGE, AND THE LOCAL POLICE.
- E. PRIOR TO THE START OF ANY WORK OPERATIONS, ALL RELATED WORK FOR PROPOSED WORK ZONE TRAFFIC CONTROL, AOBE, SHALL BE COMPLETE, THIS INCLUDES BUT IS NOT LIMITED TO, ALL SIGNS, SIGNALS, PAVEMENT MARKINGS, BARRIERS, DELINEATION (CONES, DRUMS, ETC.) FLAGGERS, PAVEMENT MODIFICATIONS, AND ANY OTHER RELATED WORK.
- F. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SAFE AND ADEQUATE INGRESS AND EGRESS TO AND FROM INTERSECTING HIGHWAYS, HOMES AND COMMERCIAL ESTABLISHMENTS AT ALL TIMES TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH ITEM 619.01 SECTION 619-3.02(C) OF NYSDOT STANDARD SPECIFICATIONS.

2. STANDARD SHEETS 619-10, 11, AND 12 CRITERIA

THE CONTRACTOR SHALL REFER TO THE FOLLOWING CRITERIA WHILE UTILIZING THE NYSDOT STANDARD SHEETS:

- A. PRECONSTRUCTION POSTED SPEED LIMIT: 30 MPH
- B. TYPE OF ROADWAY: CONVENTIONAL ROAD
- C. SETTING: URBAN

3. TIME / DATE RESTRICTIONS

- A. THERE SHALL BE NO TEMPORARY LANE CLOSURES ON THE FOLLOWING HOLIDAY DATES:

2024
6:00 AM MAY 24 TO 6:00 AM MAY 28
6:00 AM JULY 1 TO 6:00 AM JULY 5
6:00 AM AUG 30 TO 6:00 AM SEPT 3
6:00 AM NOV 20 TO 6:00 AM NOV 25
6:00 AM DEC 23 TO 6:00 AM DEC 26

- B. THE CONTRACTOR SHALL NOT BEGIN WARMING UP EQUIPMENT BEFORE THE SCHEDULED START TIMES, NOR KEEP THE EQUIPMENT RUNNING AFTER THE SCHEDULED QUIT TIMES. MAINTENANCE OF EQUIPMENT ON SITE WHICH REQUIRES THE EQUIPMENT TO BE RUNNING SHALL BE APPROVED BY THE ENGINEER IF THE MAINTENANCE IS PERFORMED OUTSIDE THE WORK HOUR RESTRICTIONS.
- C. THERE SHALL BE NO WORK OPERATIONS ALLOWED BEFORE SUNRISE OR AFTER SUNSET.
- D. THERE SHALL BE NO WORK OPERATIONS ALLOWED BETWEEN STA. 27+50 TO 38+00 UNTIL JULY AND AUGUST 2024, TO AVOID IMPACTS TO SCHOOL.

4. WORK ZONE REQUIREMENTS

- A. THE MINIMUM WIDTH OF TRAVEL LANES WITHIN THE WORK ZONE IS 10 FEET.
- B. WORK ZONES ON OPPOSITE SIDES OF THE ROAD SHALL NOT OVERLAP. A WORK ZONE IS DEFINED AS THAT AREA IN WHICH TRAFFIC IS RESTRICTED BECAUSE OF CONSTRUCTION ACTIVITIES, OR THAT AREA WHICH INVOLVES A DROP-OFF WITHIN 10 FEET OF THE EDGE OF PAVEMENT.

5. CONSTRUCTION VEHICLES, EQUIPMENT, AND MATERIALS

- A. THE CLEAR ROADSIDE AREA IS DEFINED AS THE AREA WITHIN 10 FEET OF THE EDGE OF THE TRAVEL WAY.
- B. CONTRACTOR VEHICLES NOT IN USE AND PRIVATE VEHICLES OWNED BY CONTRACTOR'S EMPLOYEES SHALL NOT BE PARKED IN THE CLEAR ROADSIDE AREA, OR ANY OTHER LOCATION CONSIDERED BY THE ENGINEER TO BE A HAZARD. THIS REQUIREMENT IS NOT LIMITED TO THE CONTRACT LIMITS.
- C. NO MATERIAL IS TO BE STORED WITHIN THE CLEAR ROADSIDE AREA WITHOUT THE APPROVAL OF THE ENGINEER.
- D. VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES SHALL NOT BE PARKED IN A MANNER WHICH OBSTRUCTS SIGNS, BARRIERS, BARRICADES, OR OTHER TRAFFIC CONTROL DEVICES.
- E. VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES SHALL NOT BE PARKED IN A MANNER WHICH INTERFERES WITH ACCESS TO ADJUTING PROPERTIES.
- F. THE CONTRACTOR SHALL PLAN AND INCORPORATE ACCESS POINTS INTO THE WORK ZONE SUCH THAT, TO THE EXTENT PRACTICAL, THE CONTRACTOR'S VEHICLES ENTERING AND LEAVING THE WORK ZONE SHALL NOT IMPEDE THE MOVEMENT THROUGH TRAFFIC IN THE ADJACENT OPEN LANES.

6. CHANNELIZING DEVICES

- A. WHERE POSSIBLE ALL CHANNELIZING AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2 FOOT LATERAL CLEARANCE TO THE TRAVELED WAY.
- B. THE CONTRACTOR SHALL NOT MIX CHANNELIZATION DEVICES IN A LINEAR CLOSURE OR TAPER I.E. CONES, VERTICAL PANELS AND DRUMS SHALL NOT BE USED IN THE SAME TAPER OR CLOSURE. HOWEVER, DIFFERENT CHANNELIZATION DEVICES MAY BE USED IN DIFFERENT AREAS OF A PROJECT.
- C. REFLECTORIZED PLASTIC DRUM DELINEATORS SHALL BE USED AT HAZARDOUS LOCATIONS DETERMINED BY THE ENGINEER. DELINEATORS SHALL REMAIN IN PLACE UNTIL SATISFACTORY PROTECTION IS PROVIDED. DELINEATORS SHALL BE SPACED AT A DISTANCE NOT TO EXCEED 25 FEET, OR AS DIRECTED BY THE ENGINEER.

7. FLAGGING AND TRAFFIC CONTROL

- A. THE USE OF TEMPORARY SIGNALS AS A SUBSTITUTE FOR FLAGGERS WILL NOT BE ALLOWED ON THIS PROJECT.
- B. FLAGGER SIGNS SHALL NOT BE USED FOR BRIEF PERIODS OF INCIDENTAL FLAGGING, AOBE. FLAGGER SIGNS SHALL NOT BE VISIBLE WHEN FLAGGERS ARE NOT BEING USED.
- C. WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE ROADWAY WITHIN A WORK ZONE TRAFFIC CONTROL AREA, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES AND/OR FLAGGERS SHALL BE PLACED AS NEEDED. ADDITIONAL FLAGGERS SHALL BE LOCATED AS NEEDED AT ALL INTERSECTIONS AND COMMERCIAL DRIVEWAYS LOCATED WITHIN OR NEAR THE ACTIVE WORK SPACE.

8. SIGNS AND DEVICES


- A. DIAMOND-SHAPED ADVANCE WARNING SIGNS SHALL BE USED FOR ALL ADVANCE WARNING SIGNS SHOWN IN PART 6 OF THE MUTCD. COLOR REQUIREMENTS SHALL BE BLACK TEXT ON ORANGE BACKGROUND.
- B. THE CORRECT SPACING OF SIGNS, EITHER PERMANENT OR TEMPORARY MUST BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE MUTCD UNLESS SHOWN OTHERWISE ON THE PLANS. ALL SIGNS INCLUDING GUIDE SIGNS SHALL INDICATE ACTUAL CONDITIONS AT ALL TIMES AND SHALL BE COVERED, MOVED, REMOVED, OR CHANGED IMMEDIATELY AS ORDERED BY THE ENGINEER.
- C. THE LOCATION OF THE SIGNS SHOWN ON THE WORK ZONE TRAFFIC CONTROL PLANS AND DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL OF THE ENGINEER.
- D. ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGNS LAYOUT SHALL BE COVERED, REMOVED, STORED OR RESET, AS APPROVED BY THE ENGINEER. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED IN THIS CONTRACT.
- E. SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
- F. ALL WARNING AND REGULATORY SIGNS SHALL BE POSTED ON BOTH SIDES OF ONE-WAY STREETS, IN CASES WHERE LANE RESTRICTIONS REDUCE THE TRAVEL LANE TO ONE LANE, SIGNS SHALL BE POSTED ON THE RIGHT SIDE OF THE ACTIVE TRAVEL LANE, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
- G. EXPRESSWAY SIZE SIGNING SHALL BE USED ON ALL MULTI-LANE HIGHWAYS. CONVENTIONAL HIGHWAY SIZE SIGNING SHALL BE USED AT ALL OTHER LOCATIONS.



9. NOTIFICATION AND EMERGENCY ACCESS

- A. THE CONTRACTOR IS REQUIRED TO CONTACT THE APPROPRIATE SCHOOL AND EMERGENCY SERVICES ORGANIZATIONS WITH RESPECT TO THE EFFECT OF ROAD WORK, TRAVEL LANE REDUCTIONS, AND DETOURS ON OPERATIONS. THIS CONTACT SHALL BE MADE AS CONDITIONS CHANGE AND AT LEAST TWO WEEKS PRIOR TO IMPLEMENTING EACH TRAFFIC PHASE AND/OR DETOUR TO ALLOW ADEQUATE TIME FOR THE ORGANIZATIONS TO COORDINATE AND MAKE NECESSARY ADJUSTMENTS TO RESPONSE SCHEDULES AND ROUTES.

10. BICYCLISTS AND PEDESTRIANS

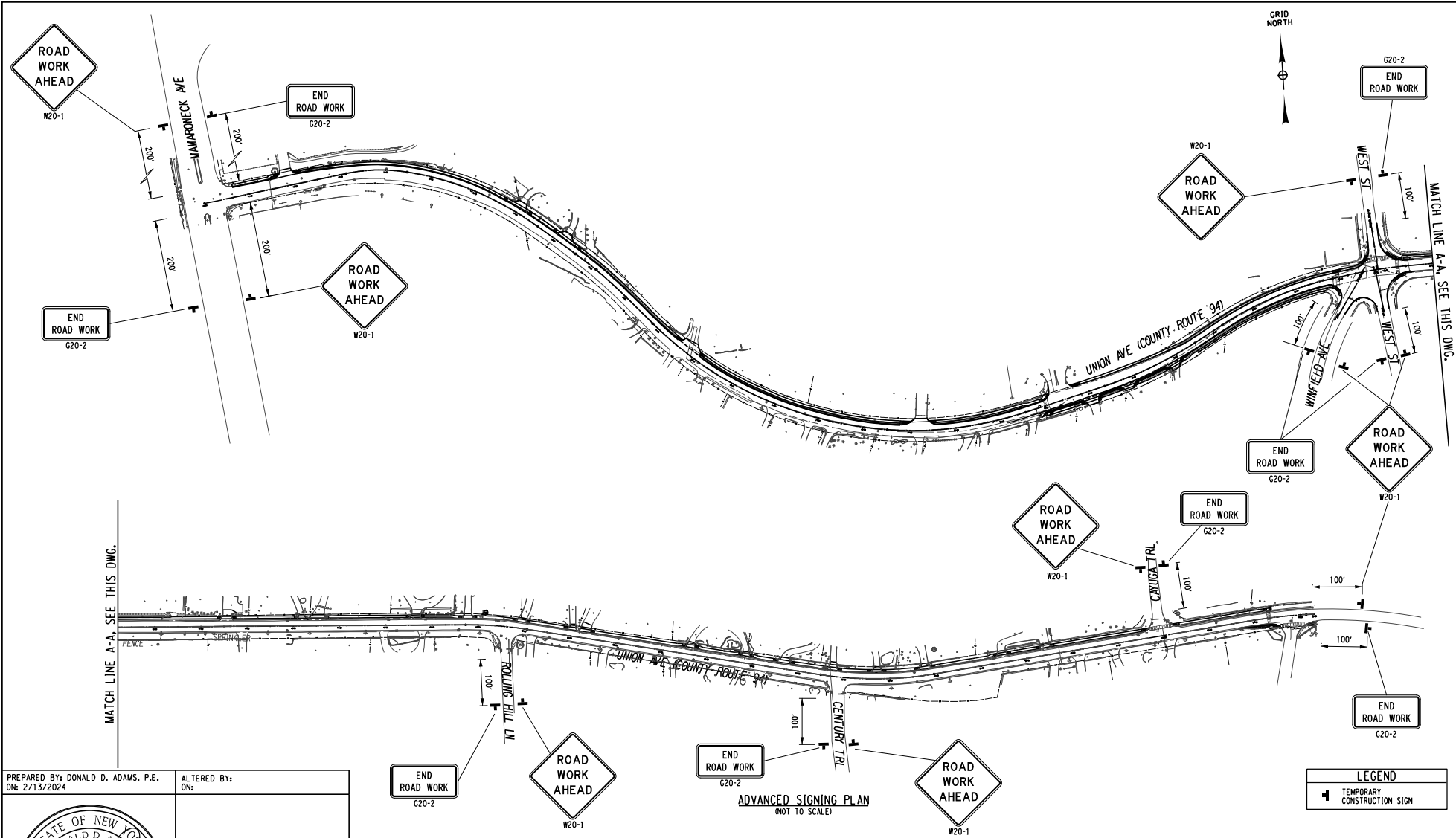
- A. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND BICYCLE TRAFFIC THROUGH OR AROUND EACH WORK AREA FOR THE DURATION OF THE CONSTRUCTION. MATERIAL, EQUIPMENT, OR OTHER SUCH BARRIERS SHALL NOT BE PLACED OR PARKED IN SUCH A MANNER AS TO OBSTRUCT PEDESTRIAN OR BICYCLE TRAFFIC OR TO PRESENT A SAFETY HAZARD TO THE NON-MOTORIZED PUBLIC. WHERE PEDESTRIAN TRAFFIC MUST BE RELOCATED OFF THE EXISTING FACILITY, WALKWAYS SHALL BE CLEARLY MARKED AND HAVE A LOGICAL START AND TERMINUS.
- B. THE CONTRACTOR SHALL PROVIDE, DELINEATE AND MAINTAIN A USABLE TRAVEL PATH FOR PEDESTRIANS EITHER THROUGH OR AROUND WORK ZONES FOR THE DURATION OF THIS PROJECT. THE TRAVEL PATH SHALL COMPLY WITH THE CONTINUOUS PASSAGE PROVISIONS OF THE CURRENT AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG). THE CONTRACTOR MAY UTILIZE ANY COMBINATION OF THE FOLLOWING TO PROVIDE THE USABLE TRAVEL PATH: EXISTING SIDEWALKS/SHOULDER; TEMPORARY SIDEWALKS/SHOULDER; FINAL SIDEWALKS/SHOULDER; OR EXISTING OR TEMPORARY SIDEWALK CURB RAMPS. THE USABLE TRAVEL PATH SHALL BE CLEARLY MARKED AND STAGED BETWEEN INTERSECTING ROADS TO ENSURE SAFE PEDESTRIAN CROSSING AND ACCESSIBILITY. PEDESTRIAN ACCESS TO RESIDENTIAL AND COMMERCIAL PROPERTIES SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION.
- C. ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL AND REMOVE TEMPORARY SIDEWALK AND CURB RAMPS, INCLUDING THE RESTORATION OF DISTURBED AREAS, SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 608.020102, ASPHALT CONCRETE SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS.
- D. FOR LOCATIONS WHERE EXISTING SIDEWALK WAS REMOVED OR NEW SIDEWALKS ARE PROPOSED, THE CONTRACTOR SHALL PROVIDE A SURFACE MEETING ADAAG REQUIREMENTS WITHIN TWO WEEKS (14 CALENDAR DAYS) OF EXISTING SIDEWALK REMOVAL OR CURB INSTALLATION, WHICHEVER IS LESS. THE CONTRACTOR MAY ALLOW PEDESTRIAN TRAFFIC TO USE THE COMPACTED SURFACE FOR A MAXIMUM OF TWO WEEKS (14 CALENDAR DAYS). AFTER THE TWO WEEK PERIOD THE CONTRACTOR MUST PROVIDE A PAVED SURFACE (FINAL OR TEMPORARY) MEETING THE ADAAG REQUIREMENTS. IF THE CONTRACTOR CHOOSES NOT TO PLACE THE FINAL SIDEWALK SURFACE, NO SEPARATE PAYMENT WILL BE MADE FOR THE TEMPORARY SURFACE. THE CONTRACTOR MUST ALSO PROVIDE CURB RAMPS IN ACCORDANCE WITH ADAAG REQUIREMENTS. IF THE CONTRACTOR CHOOSES TO PROVIDE THE FINAL SIDEWALK SURFACE AFTER THE TWO WEEK PERIOD, A TEMPORARY CURB RAMP MAY BE INSTALLED. THE COST OF THIS TEMPORARY RAMP IS TO BE INCLUDED IN THE PRICE BID FOR BASIC WORK ZONE TRAFFIC CONTROL. FAILURE TO PROVIDE THIS PAVED SURFACE WILL RESULT IN THE ASSESSMENT OF LIQUIDATED DAMAGES AS DEFINED IN THE SPECIAL NOTES.
- E. ANY CONSTRUCTION ACTIVITY THAT RESULTS IN THE BREAKAGE OF SLABS OR THE REMOVAL OF SEGMENTS OF EXISTING SIDEWALK SERVING AS THE USABLE TRAVEL PATH SHALL BE REPAIRED IMMEDIATELY USING ASPHALT CONCRETE MEETING THE REQUIREMENTS OF SECTION 608 OF THE STANDARD SPECIFICATIONS. THE REPAIRED SURFACE SHALL BE IN CONFORMANCE WITH THE CRITERIA OUTLINED ABOVE, AS WELL AS THOSE CONTAINED IN THE ADAAG. SIDEWALK REPAIRS DUE TO REQUIRED CONSTRUCTION ACTIVITIES SHALL BE PAID FOR UNDER 608.020102, ASPHALT CONCRETE SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS. SIDEWALK THAT IS DAMAGED BY CARELESS CONSTRUCTION ACTIVITIES OR PRACTICES SHALL BE IMMEDIATELY REPAIRED, AOBE, AT NO COST TO THE TOWN OR STATE.
- F. TEMPORARY SAFETY FENCING SHALL BE PLACED ALONG ANY SIDEWALK ADJACENT TO ANY EXCAVATION OR VERTICAL DROP-OFF OVER 6 INCHES. SAFETY FENCING SHALL BE CONTINUOUS PLASTIC FLUORESCENT ORANGE SUPPORTED BY METAL OR WOOD POSTS. THE FENCING SHALL BE A MINIMUM OF 4 FEET IN HEIGHT AND MAY INCLUDE A TOP AND BOTTOM RAIL TO PROVIDE ADDITIONAL SUPPORT, AOBE. THE SAFETY FENCE SHALL CONFORM TO SECTION 107-05 OF THE STANDARD SPECIFICATIONS. ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL AND REMOVE TEMPORARY SAFETY FENCING SHALL BE INCLUDED IN THE PRICE BID FOR BASIC WORK ZONE TRAFFIC CONTROL, ITEM 619.01.

PREPARED BY: DONALD D. ADAMS, P.E. ON: 2/13/2024	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT	PIN 8762.51	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	WORK ZONE TRAFFIC CONTROL NOTES	CONTRACT NUMBER D040323
	MAMARONECK AVENUE TO 130 UNION AVENUE						DRAWING NO. WZN-01
	TOWN/VILLAGE OF HARRISON						SHEET NO. 7
	COUNTY: WESTCHESTER REGION: 8						
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 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.							
							TOWN/VILLAGE OF HARRISON WESTCHESTER COUNTY, NY

FILE NAME : N:\Projects\2020\128-031 Harrison - Union Ave Sidewalks\Working\G20-01.dgn 128-031.dgn 128-031.dgn
DATE/TIME : 2/13/2024 12:08:48 PM
PLOT : NYS001.DWG PDF plotter

DESIGN SUPERVISOR D. ADAMS JOB MANAGER C. GEROUX DESIGN K. GENSLEER CHECK C. GEROUX DRAFTING K. DETRICK CHECK D. BORJAS PROJECT MANAGER C. GEROUX



PREPARED BY: DONALD D. ADAMS, P.E.
ON: 2/13/2024

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT	PIN 8762.51
MAMARONECK AVENUE TO 130 UNION AVENUE	
TOWN/VILLAGE OF HARRISON	
COUNTY: WESTCHESTER	REGION: 8

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

CONTRACT NUMBER
D040323

WORK ZONE TRAFFIC CONTROL PLAN

DRAWING NO. WZP-01

SHEET NO. 8

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TOWN/VILLAGE OF HARRISON
WESTCHESTER COUNTY, NY

TABLE OF HORIZONTAL ALIGNMENT

POINT	STATION	CURVE DATA	COORDINATE	
			NORTH	EAST
UNION AVENUE (CR 94)				
POB	10+00.00	AZ N 81°22'21" E LENGTH =313.31 FT	783467.45	700875.37
PC	13+13.31		783514.45	701185.14
PI	13+80.44	RADIUS = 360.00 FT DELTA =21°07'32" RT LENGTH = 132.74 FT TANGENT =67.13 FT	783524.52	701251.51
PCC	14+46.05		783509.99	701317.05
PI	16+04.15	RADIUS = 660.00 FT DELTA =26°56'35" RT LENGTH = 310.36 FT TANGENT =158.11 FT	783475.78	701471.41
PT	17+56.41	AZ S 50°33'31" E LENGTH =100.28 FT	783375.33	701593.51
PC	18+56.69		783311.63	701670.95
PI	19+28.24	RADIUS = 950.00 FT DELTA =8°36'51" RT LENGTH = 142.83 FT TANGENT =71.55 FT	783266.17	701726.21
PT	19+99.52	AZ S 41°56'40" E LENGTH =82.96 FT	783212.95	701774.03
PC	20+82.48		783151.25	701829.48
PI	23+79.48	RADIUS = 800.00 FT DELTA =40°44'08" LT LENGTH = 568.78 FT TANGENT =297.01 FT	782930.34	702028.00
PCC	26+51.25		782892.50	702322.59
PI	28+05.05	RADIUS = 780.00 FT DELTA =22°18'31" LT LENGTH = 303.70 FT TANGENT =153.80 FT	782872.90	702475.13
PT	29+54.95	AZ N 75°00'41" E LENGTH =179.97 FT	782912.68	702623.70
PC	31+34.92		782959.23	702797.54
PI	32+44.14	RADIUS = 850.00 FT DELTA =14°38'37" LT LENGTH = 217.24 FT TANGENT =109.22 FT	782987.47	702903.04
PT	33+52.17	AZ N 60°22'03" E LENGTH =70.71 FT	783041.47	702997.98
PC	34+22.88		783076.44	703059.44
PI	35+54.56	RADIUS = 740.00 FT DELTA =20°10'45" RT LENGTH = 260.62 FT TANGENT =131.68 FT	783141.54	703173.90
PT	36+83.50	AZ N 80°32'48" E LENGTH =33.62 FT	783163.17	703303.79
PC	37+17.12		783168.69	703336.95
PI	37+80.86	RADIUS = 960.00 FT DELTA =7°35'48" RT LENGTH = 127.28 FT TANGENT =63.73 FT	783179.16	703399.81
PT	38+44.40	AZ N 88°08'36" E LENGTH =82.87 FT	783181.22	703463.52
PC	46+73.15		783208.07	704291.83
PI	47+39.93		783210.23	704358.57

TABLE OF HORIZONTAL ALIGNMENT

POINT	STATION	CURVE DATA	COORDINATE	
			NORTH	EAST
UNION AVENUE (CR 94)				
PT	48+06.42	RADIUS = 830.00 FT DELTA =9°12'00" RT LENGTH = 133.27 FT TANGENT =66.78 FT	783201.70	704424.81
PC	54+49.87	AZ S 82°39'24" E LENGTH =643.45 FT	783119.46	705062.98
PI	55+74.09		783103.58	705186.17
PT	56+96.18	RADIUS = 770.00 FT DELTA =18°19'40" LT LENGTH = 246.31 FT TANGENT =124.21 FT	783127.25	705308.11
PC	63+99.29	AZ N 79°00'57" E LENGTH =703.11 FT	783261.22	705998.35
PI	64+55.84		783271.99	706053.85
PT	65+12.26	RADIUS = 990.00 FT DELTA =6°32'17" RT LENGTH = 112.97 FT TANGENT =56.55 FT	783276.38	706110.23
POE	65+29.15	AZ N 85°33'13" E LENGTH =16.88 FT	783277.68	706127.06

TABLE OF HORIZONTAL ALIGNMENT

POINT	STATION	CURVE DATA	COORDINATE	
			NORTH	EAST
WEST STREET N				
POB	WEN. 10+00.00	AZ N 5°28'49.1" W LENGTH =64.1828 FT	783177.3377	703402.9348
PC PI	WEN. 10+64.18 WEN. 10+86.18	RADIUS = 1500.0000 FT DELTA =1°40'48.9" RT LENGTH = 43.9887 FT TANGENT =21.9959 FT	783241.2271 783263.1225	703396.8051 703394.7044
PT	WEN. 11+08.17	AZ N 3°48'00.2" W LENGTH =14.4359 FT	783285.0700	703393.2466
POE	WEN. 11+22.61		783299.4742	703392.2899
WEST STREET S				
POB	WES. 10+00.00	AZ N 8°26'00.3" W LENGTH =92.3169 FT	783085.4414	703410.6407
POE	WES. 10+92.32		783176.7601	703397.1015
WINFIELD AVE				
POB	WIN. 10+00.00	AZ N 33°01'39.1" E LENGTH =113.8272 FT	783078.3282	703309.1793
POE	WIN. 11+13.83		783173.7620	703371.2199

TABLE OF BENCHMARKS

NO.	NORTHING	EASTING	DESCRIPTION	ELEVATION
CP1	783813.640	700789.730		54.29
CP2	783052.020	700894.030		58.26
CP3	783097.910	701901.530		129.32
CP4	783262.920	703385.790		178.42
CP5	782772.730	703467.800		172.56
CP6	783155.040	704720.680		159.14
CP7	783272.630	706371.760		105.72
CP8	783424.620	705783.930		119.77

NOTE:

1. VERTICAL DATUM BASE ON NAVD88 (CORS DERIVED).

PREPARED BY: DONALD D. ADAMS, P.E.
ON: 2/13/2024

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT
MAMARONECK AVENUE TO 130 UNION AVENUE

TOWN/VILLAGE OF HARRISON

COUNTY: WESTCHESTER

REGION: 8

PIN 8762.51

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

HORIZONTAL CONTROL TABLES &
TABLE OF BENCHMARKS

CONTRACT NUMBER
D040323

DRAWING NO. HVC-01
SHEET NO. 9



TOWN/VILLAGE OF HARRISON
WESTCHESTER COUNTY, NY

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TABLE OF DRIVEWAYS ITEM 608.020102 / ITEM 608.0101											
DRIVEWAY #	LOCATION		MATERIAL		ENTRANCE TYPE	CLASS	DIMENSIONS				COMMENTS
	STATION	SIDE	EXISTING	PROPOSED			W	PL	CORNER ANGLE		
C1	11+87	LT	GRAVEL	ASPHALT	TYPE 2	C	9.6'	14.1'	90 DEGREES		GRAVEL DRIVEWAY WITH ASPHALT APRON
R1	17+01	LT	ASPHALT	ASPHALT	TYPE 3	R	16.1'	28.1'	90 DEGREES		
R2	18+18	LT	ASPHALT	ASPHALT	TYPE 3	R	16.8'	16.5'	90 DEGREES		
C2	21+71	LT	ASPHALT	ASPHALT	TYPE 2	C	18.9'	15.4'	90 DEGREES		
C3	27+25	LT	ASPHALT	ASPHALT	TYPE 2	C	23.8'	14.3'	90 DEGREES		
R3	31+02	RT	ASPHALT	ASPHALT	TYPE 3	R	22.1'	18.0'	90 DEGREES		
R4	31+85	RT	ASPHALT	ASPHALT	TYPE 3	R	15.0'	16.8'	90 DEGREES		
R5	32+90	RT	ASPHALT	ASPHALT	TYPE 3	R	11.9'	15.5'	120 DEGREES		
R6	41+57	LT	ASPHALT	ASPHALT	TYPE 3	R	19.4'	24.8'	90 DEGREES		
R7	43+18	LT	ASPHALT	ASPHALT	TYPE 3	R	11.5'	11.2'	120 DEGREES		
R8	43+54	LT	GRAVEL	ASPHALT	TYPE 3	R	22.7'	11.4'	120 DEGREES		
R9	45+65	LT	ASPHALT	ASPHALT	TYPE 3	R	18.4'	12.1'	120 DEGREES		
R10	46+78	LT	ASPHALT	ASPHALT	TYPE 3	R	14.7'	10.7'	90 DEGREES		
R11	47+94	LT	ASPHALT	ASPHALT	TYPE 3	R	14.6'	9.8'	90 DEGREES		
R12	49+02	LT	ASPHALT	ASPHALT	TYPE 3	R	12.2'	32.6'	90 DEGREES		
R13	49+32	LT	ASPHALT	ASPHALT	TYPE 3	R	22.0'	28.6'	90 DEGREES		
R14	51+62	LT	ASPHALT	ASPHALT	TYPE 3	R	13.8'	15.7'	90 DEGREES		
R15	52+82	LT	ASPHALT	ASPHALT	TYPE 3	R	11.9'	12.0'	90 DEGREES		
R16	53+69	LT	ASPHALT	ASPHALT	TYPE 3	R	16.7'	13.8'	90 DEGREES		
R17	54+74	LT	ASPHALT	ASPHALT	TYPE 3	R	13.6'	12.7'	90 DEGREES		
R18	55+72	LT	ASPHALT	ASPHALT	TYPE 3	R	13.3'	15.7'	90 DEGREES		
R19	56+79	LT	ASPHALT	ASPHALT	TYPE 3	R	14.7'	13.0'	90 DEGREES		
R20	58+48	LT	ASPHALT	ASPHALT	TYPE 3	R	16.9'	12.8'	90 DEGREES		
R21	59+42	LT	ASPHALT	ASPHALT	TYPE 3	R	17.8'	12.4'	90 DEGREES		

SIGN REMOVAL/RELOCATION/REPLACEMENT/INSTALLATION TABLE							
STATION	SIDE	OFFSET (FT)	ITEM 645.5102 (SF)	ITEM 645.81 (EA)	ITEM 647.31 (EA)	ITEM 647.51 (EA)	SIGN DESCRIPTION
10+72.66	LT	26.77		1	1	1	UNION AVE/MAMARONECK AVE
10+95.30	LT	25.67		1	1	1	TO/HUTCHINSON RIVER PKWY/ARROW
23+27.14	LT	18.90		1	1	1	NO PARKING ANY TIME
26+22.24	LT	18.67		1	1	1	DOWNHILL GRADE WARNING
26+79.19	LT	18.11		1	1	1	NO PARKING ANY TIME
36+63.56	RT	22.24		1	1	1	STOP
37+24.69	RT	56.05		1	1	1	STOP/NO OUTLET
37+41.25	LT	20.40			1	1	PEDESTRIAN CROSSING
38+51.45	LT	17.30		1	1	1	STOP
43+96.66	LT	16.59	6.3	1	1	1	STOP AHEAD
61+85.71	RT	15.07	6.3/2	1			PEDESTRIAN CROSSING (L)/AHEAD
62+44.68	RT	17.94			1		PEDESTRIAN CROSSING
64+34.57	LT	15.32	6.3/2	1			PEDESTRIAN CROSSING (R)/ARROW (R)
64+34.57	LT	15.32	6.3/2	1			PEDESTRIAN CROSSING (L)/ARROW (L)
64+36.79	RT	15.57	6.3/2	1			PEDESTRIAN CROSSING (L)/ARROW (L)
64+36.79	RT	15.57	6.3/2	1			PEDESTRIAN CROSSING (R)/ARROW (R)
66+86.79	LT	14.62	6.3/2	1			PEDESTRIAN CROSSING (L)/AHEAD

TABLE OF TREE REMOVALS				
START STATION	END STATION	SIDE	ITEM NO.	QUANTITY
20+31	20+59	LT	614.060204	1 EA.
22+05	22+19	LT	614.060304	1 EA.
22+86	23+02	LT	614.060504	1 EA.
24+09	24+25	LT	614.060104	1 EA.
24+09	24+25	LT	614.060204	1 EA.
24+09	24+25	LT	614.060304	1 EA.
24+50	24+64	LT	614.060204	1 EA.
24+73	24+89	LT	614.060204	1 EA.
24+98	25+12	LT	614.060204	1 EA.
25+22	25+36	LT	614.060204	3 EA.
25+50	25+66	LT	614.060204	2 EA.
25+50	25+66	LT	614.060304	1 EA.
27+68	27+84	LT	614.060304	1 EA.
28+15	28+35	LT	614.060104	5 EA.
28+15	28+35	LT	614.060204	5 EA.
28+42	28+58	LT	614.060104	2 EA.
28+42	28+58	LT	614.060204	3 EA.
28+42	28+58	LT	614.060404	1 EA.
31+24	31+36	LT	614.060204	1 EA.
31+24	31+36	LT	614.060304	1 EA.
32+22	32+38	LT	614.060104	3 EA.
47+05	47+15	LT	614.060304	1 EA.
49+51	49+57	LT	614.060204	1 EA.
49+51	49+57	LT	614.060404	1 EA.
49+50	49+58	LT	614.060504	1 EA.
50+04	50+12	LT	614.060404	1 EA.
50+41	50+49	LT	614.060104	3 EA.
50+41	50+49	LT	614.060204	2 EA.
50+94	51+02	LT	614.060204	3 EA.
50+94	51+02	LT	614.060304	1 EA.
51+44	51+50	LT	614.060104	1 EA.
51+44	51+50	LT	614.060504	1 EA.
52+05	52+19	LT	614.060304	1 EA.
52+05	52+19	LT	614.060504	1 EA.


TABLE OF WATER VALVE ADJUSTMENT ITEM 663.33			
STATION	OFFSET (FT)	SIDE	QTY. (EA)
16+83	19.4	LT	1
31+17	14.1	RT	1
54+69	14.3	LT	1
56+87	23.2	LT	1



TABLE OF UTILITY POLES TO BE RELOCATED (BY OTHERS)		
UTILITY REFERENCE NUMBER OR DESCRIPTION	LOCATION BY CENTERLINE STATION	OFFSET FROM CENTERLINE (PROPOSED)
		LEFT (FT)
UTP #49	37+47	20.4
UTP #49 GUY	38+48	17.9
UTP VZ 41S	47+07	17
UTP VZ 35	54+55	17
TOTAL	4	

TABLE OF GAS VALVE BOX ELEVATION ADJUSTMENT (BY OTHERS)			
STATION	OFFSET (FT)	SIDE	QTY. (EA)
36+92	27.2	RT	1
37+96	53.6	LT	1
37+98	44.5	RT	1
37+99	61.4	LT	1
38+51	12.7	RT	1
55+79	16.1	LT	1
56+85	22.7	LT	1
59+38	20.7	LT	1

TABLE OF ALTERING MANHOLES (BY OTHERS)			
STATION	OFFSET (FT)	SIDE	QTY. (EA)
33+22	18.0	RT	1
33+47	13.5	LT	1
36+57	16.3	RT	1
36+84	14.6	LT	1

TABLE OF MAINTENANCE JURISDICTION							
PART NUMBER	HIGHWAY	LIMITS	FEATURES TO BE MAINTAINED	FEET MILES	LANE MILES	AGENCY	AUTHORITY
HIGHWAY							
①	COUNTY ROUTE 94 (UNION AVE)	STA. 10+00 TO STA. 65+50	PAVEMENT, SHOULDERS, DRAINAGE SYSTEMS, PAVEMENT MARKINGS, SIGNS, CURBING, AND TRAFFIC SIGNAL	1.05	2.10	WESTCHESTER COUNTY	HIGHWAY LAW SECTION 102
②	COUNTY ROUTE 94 (UNION AVE)	STA. 10+00 TO STA. 65+50	SIDEWALKS	1.05	N/A	TOWN/VILLAGE OF HARRISON	HIGHWAY LAW SECTION 140
CONTROL OF SNOW AND ICE							
③	COUNTY ROUTE 94 (UNION AVE)	STA. 10+00 TO STA. 65+50	PAVEMENT AND SHOULDERS	1.05	2.10	WESTCHESTER COUNTY	HIGHWAY LAW SECTION 135
④	COUNTY ROUTE 94 (UNION AVE)	STA. 10+00 TO STA. 65+50	SIDEWALKS	1.05	N/A	TOWN/VILLAGE OF HARRISON	HIGHWAY LAW SECTION 140

PREPARED BY: DONALD D. ADAMS, P.E. ON: 2/13/2024	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT MAMARONECK AVENUE TO 130 UNION AVENUE	PIN 8762.51	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040323
	TOWN/VILLAGE OF HARRISON					
	COUNTY: WESTCHESTER	REGION: 8			MISCELLANEOUS TABLES	DRAWING NO. MST-01 SHEET NO. 10
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DATE/TIME : 2/13/2024 12:04:43 PM
PLOT : NYS001.dwg PDF plotter

PROJECT MANAGER C. GEROUX

CHECK D. BORJAS

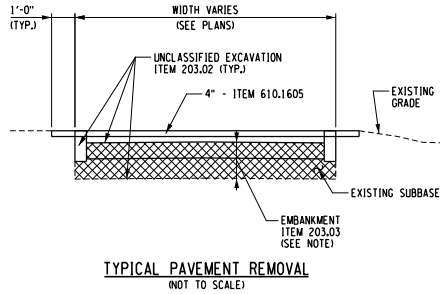
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CHECK C. GEROUX

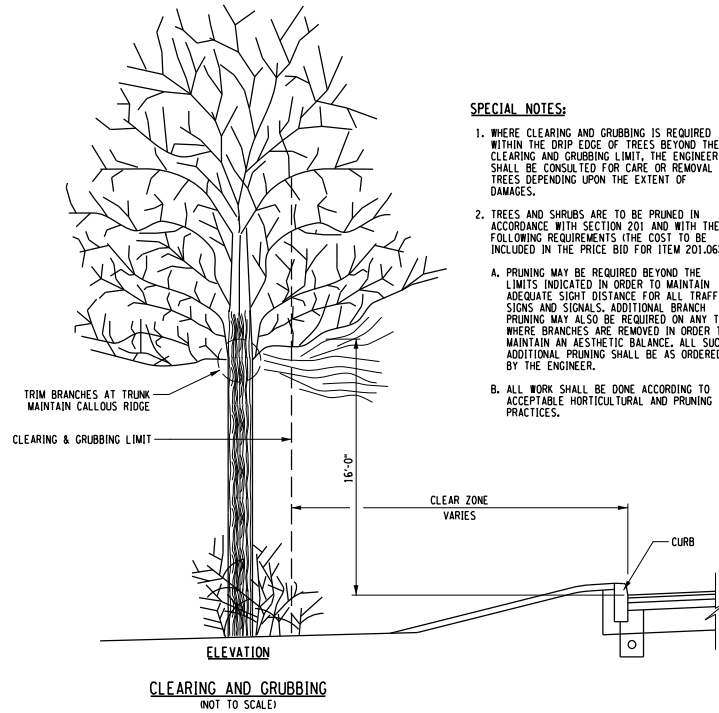
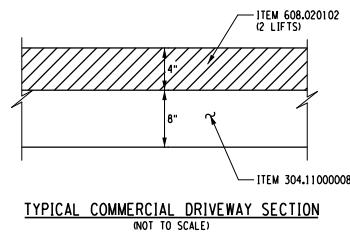
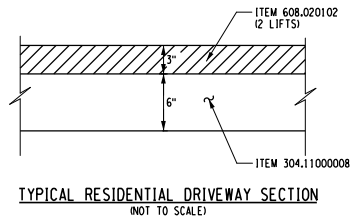
DESIGN K. GENSLEER

JOB MANAGER C. GEROUX

DESIGN SUPERVISOR D. ADAMS

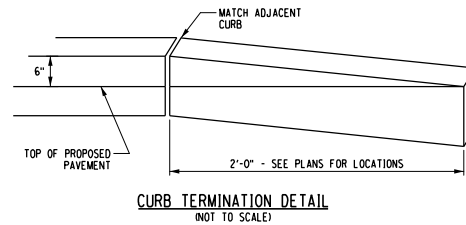


NOTE:
THE EMBANKMENT MATERIAL SHALL BE A MINERAL SOIL, CAPABLE OF SUSTAINING PLANT GROWTH.



SPECIAL NOTES:

- WHERE CLEARING AND GRUBBING IS REQUIRED WITHIN THE DRIP EDGE OF TREES BEYOND THE CLEARING AND GRUBBING LIMIT, THE ENGINEER SHALL BE CONSULTED FOR CARE OR REMOVAL OF TREES DEPENDING UPON THE EXTENT OF DAMAGES.
- TREES AND SHRUBS ARE TO BE PRUNED IN ACCORDANCE WITH SECTION 201 AND WITH THE FOLLOWING REQUIREMENTS (THE COST TO BE INCLUDED IN THE PRICE BID FOR ITEM 201.06):
 - PRUNING MAY BE REQUIRED BEYOND THE LIMITS INDICATED IN ORDER TO MAINTAIN ADEQUATE SIGHT DISTANCE FOR ALL TRAFFIC SIGNS AND SIGNALS. ADDITIONAL BRANCH PRUNING MAY ALSO BE REQUIRED ON ANY TREE WHERE BRANCHES ARE REMOVED IN ORDER TO MAINTAIN AN AESTHETIC BALANCE. ALL SUCH ADDITIONAL PRUNING SHALL BE AS ORDERED BY THE ENGINEER.
 - ALL WORK SHALL BE DONE ACCORDING TO ACCEPTABLE HORTICULTURAL AND PRUNING PRACTICES.



PREPARED BY: DONALD D. ADAMS, P.E.
ON: 2/13/2024

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT
MAMARONECK AVENUE TO 130 UNION AVENUE
TOWN/VILLAGE OF HARRISON
COUNTY: WESTCHESTER REGION: 8

PIN 8762.51

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

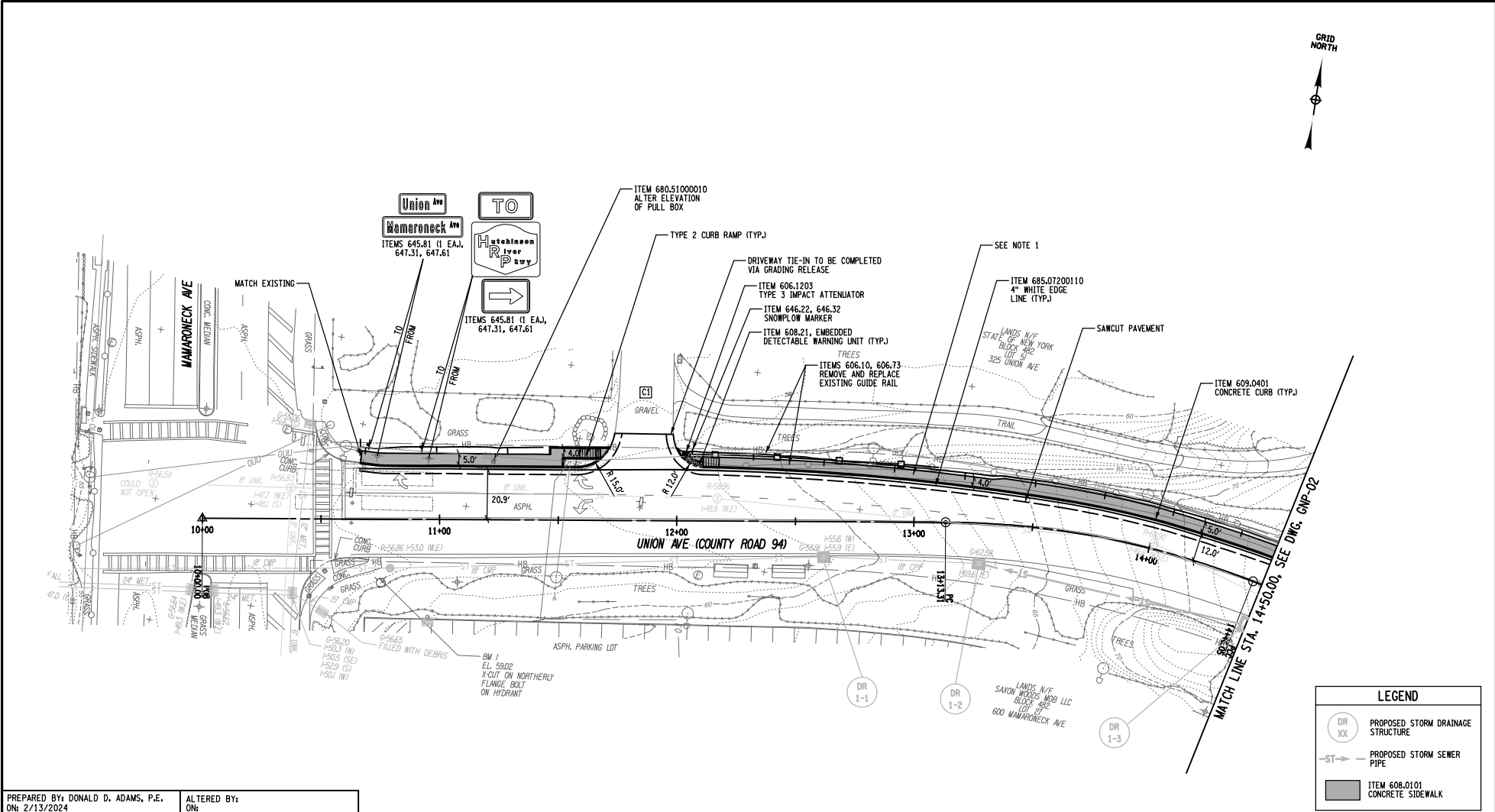
CONTRACT NUMBER
D040323

MISCELLANEOUS DETAILS

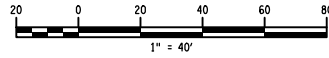
DRAWING NO. MSD-01
SHEET NO. 11

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 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.







LEGEND	
	PROPOSED STORM DRAINAGE STRUCTURE
	PROPOSED STORM SEWER PIPE
	ITEM 608.0101 CONCRETE SIDEWALK



PREPARED BY: DONALD D. ADAMS, P.E. ON: 2/13/2024	ALTERED BY: ON:

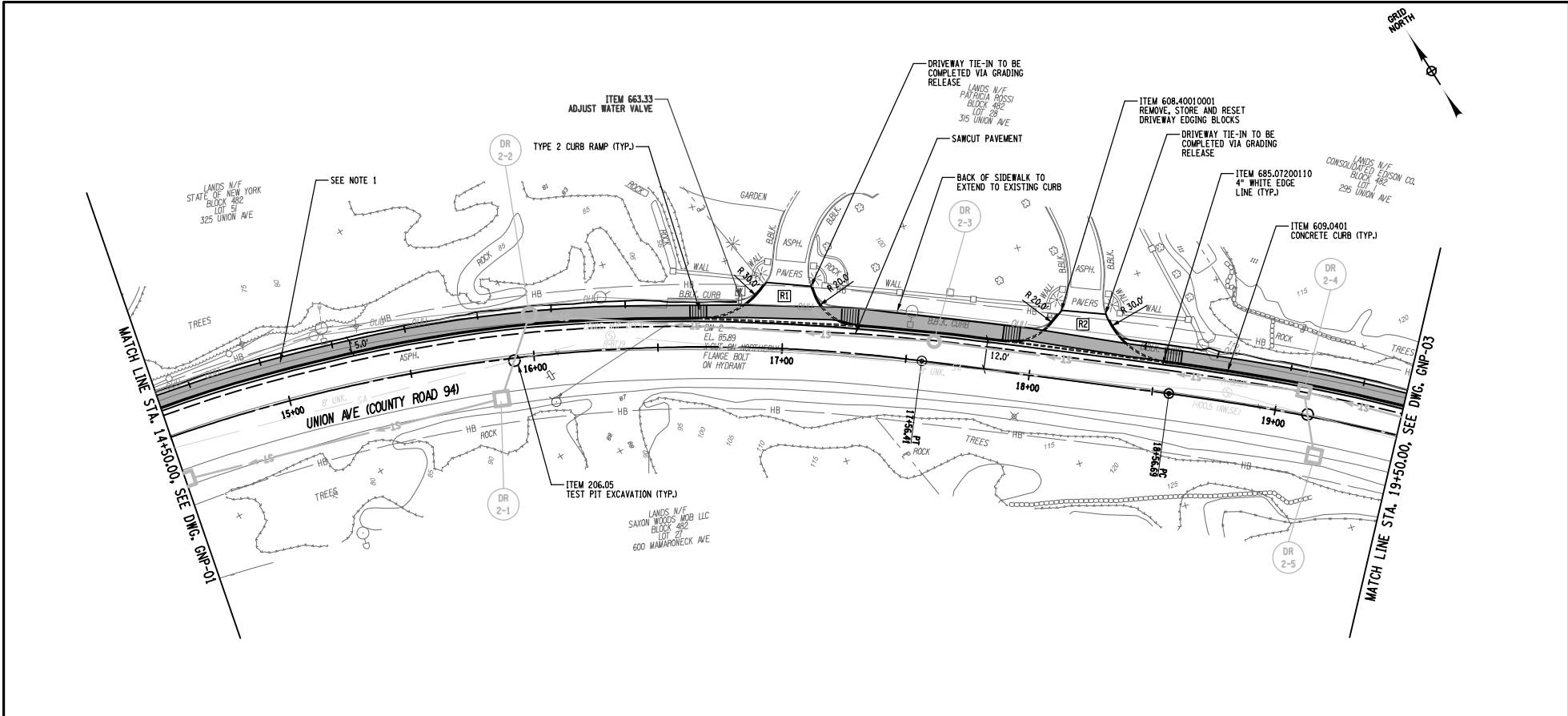
NOTE:
 1. WORK BETWEEN STA. 10+66.1± TO STA. 21+57.5± TO BE INCLUDED AS PART OF BID ALTERNATE 1.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT	PIN 8762.51	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040323	
	MAMARONECK AVENUE TO 130 UNION AVENUE					GENERAL PLAN	DRAWING NO. GNP-01 SHEET NO. 12
	TOWN/VILLAGE OF HARRISON						
	COUNTY: WESTCHESTER REGION: 8						
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 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.							
					 TOWN/VILLAGE OF HARRISON WESTCHESTER COUNTY, NY		

TOWN/VILLAGE OF HARRISON
 WESTCHESTER COUNTY, NY

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JOB MANAGER C. GEROUX
DESIGN K. GENSLEER
DRAFTING K. DETRICK
CHECK D. BORJAS
PROJECT MANAGER C. GEROUX





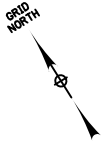
PREPARED BY: DONALD D. ADAMS, P.E.
ON: 2/13/2024

ALTERED BY:
ON:



NOTE:
1. WORK BETWEEN STA. 10+66.1± TO STA. 21+57.5±
TO BE INCLUDED AS PART OF BID ALTERNATE 1.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT MAMARONECK AVENUE TO 130 UNION AVENUE		PIN 8762.51	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED		CONTRACT NUMBER D040323	
	TOWN/VILLAGE OF HARRISON					DRAWING NO. GNP-02			
	COUNTY: WESTCHESTER REGION: 8					SHEET NO. 13			
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 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.									
						 TOWN/VILLAGE OF HARRISON WESTCHESTER COUNTY, NY			



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PROJECT MANAGER C. GEROUX

CHECK D. BORJAS

DRAFTING K. DETRICK

CHECK C. GEROUX

DESIGN K. GENSLER

JOB MANAGER C. GEROUX

DESIGN SUPERVISOR D. ADAMS

PREPARED BY: DONALD D. ADAMS, P.E.
ON: 2/13/2024

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT
MAMARONECK AVENUE TO 130 UNION AVENUE

PN 8762.51

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

CONTRACT NUMBER

D040323

TOWN/VILLAGE OF HARRISON

COUNTY: WESTCHESTER

REGION: 8

GENERAL PLAN

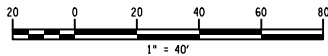
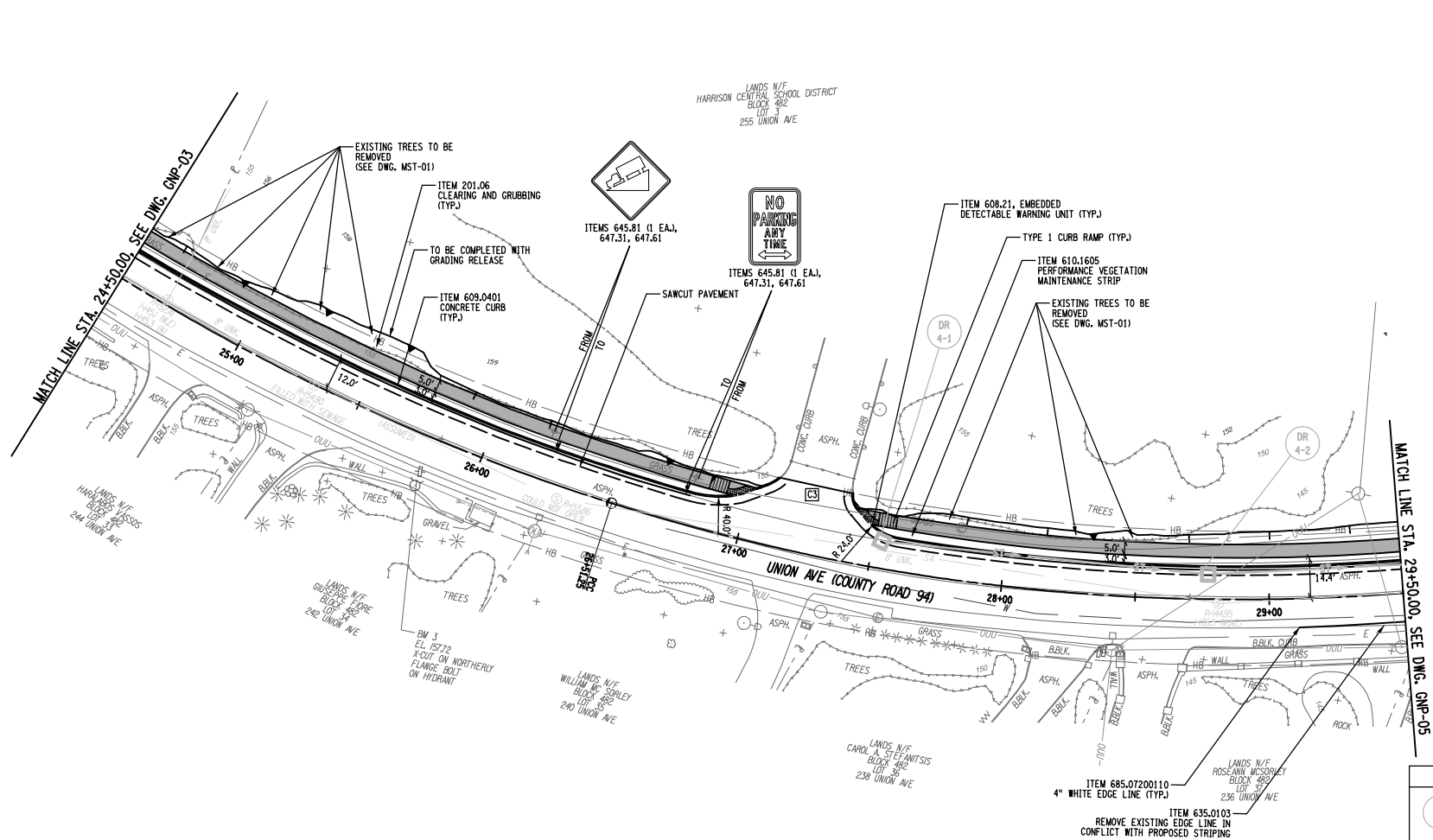
DRAWING NO. GNP-04

SHEET NO. 15

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 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.



TOWN/VILLAGE OF HARRISON
WESTCHESTER COUNTY, NY



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PROJECT MANAGER C. GEROUX

CHECK D. BORJAS

DRAFTING K. DETRICK

CHECK C. GEROUX


DESIGN K. GENSLER

JOB MANAGER C. GEROUX



DESIGN SUPERVISOR D. ADAMS

PREPARED BY: DONALD D. ADAMS, P.E.
ON: 2/13/2024

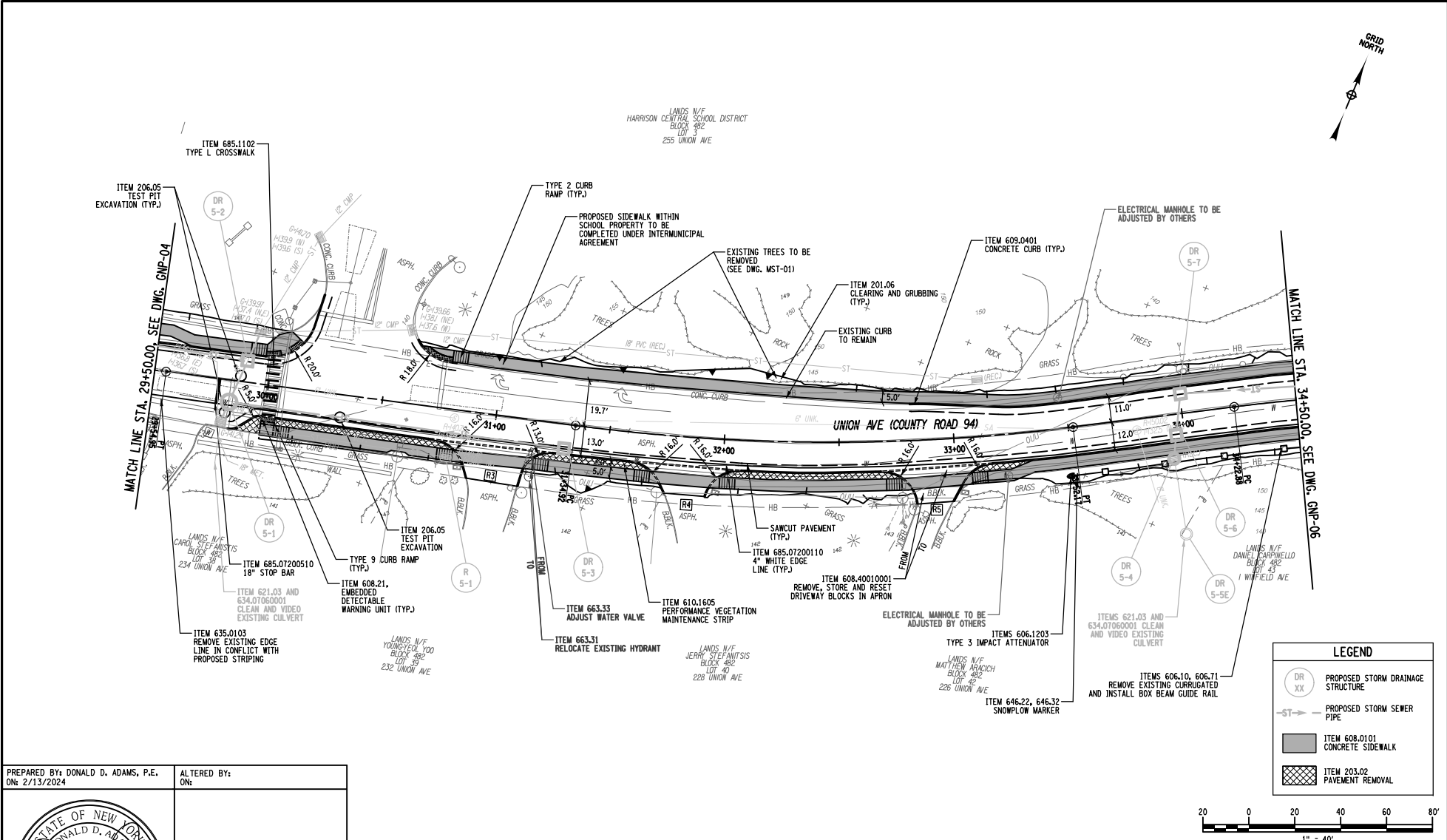
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AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT		PIN 8762.51	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040323	
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	TOWN/VILLAGE OF HARRISON							
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TOWN/VILLAGE OF HARRISON
WESTCHESTER COUNTY, NY



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PROJECT MANAGER C. GEROUX

CHECK D. BORJAS


DRAFTING K. DETRICK



CHECK C. GEROUX

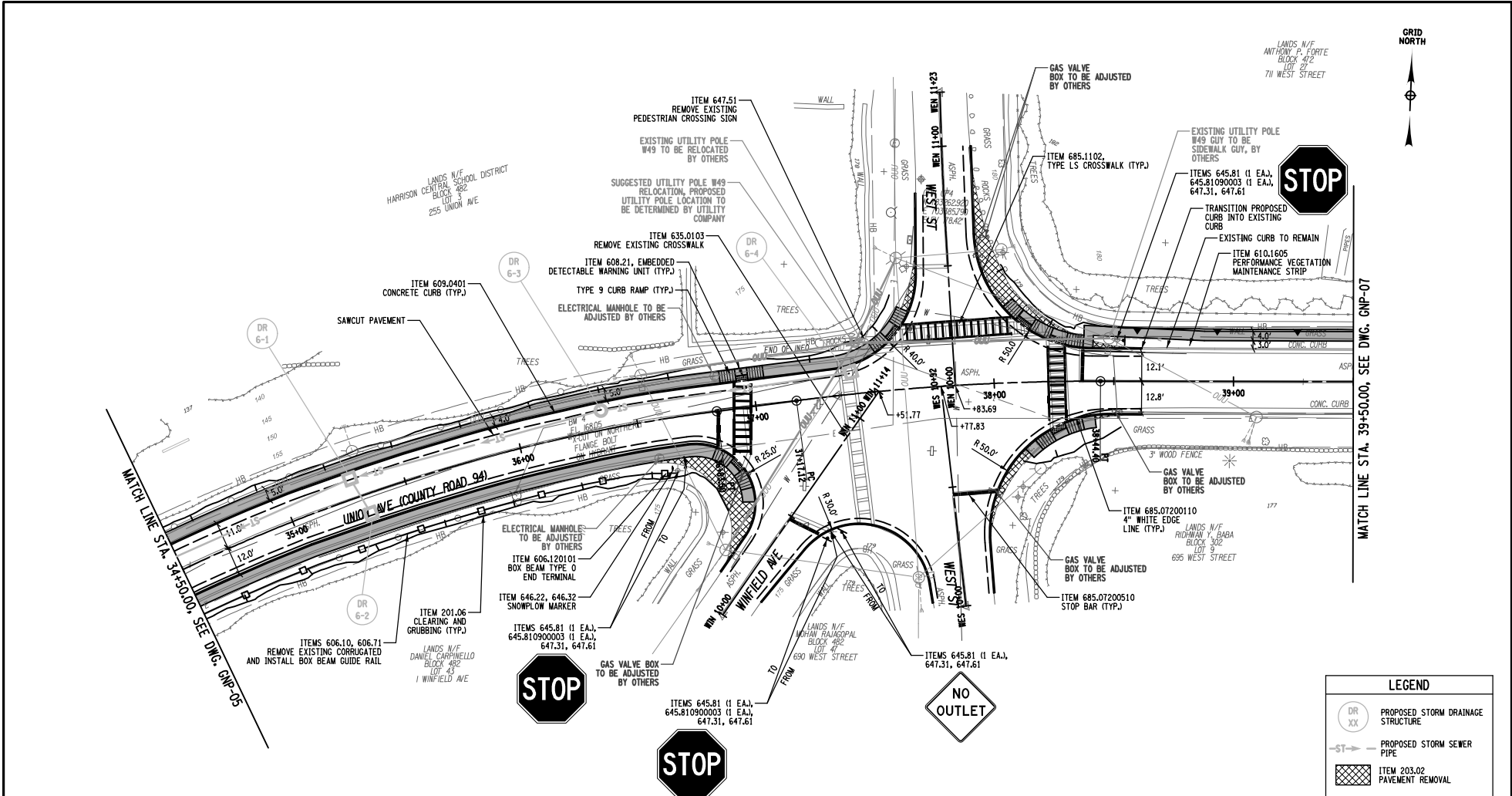
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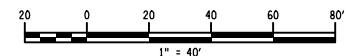
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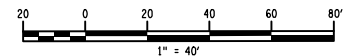
DESIGN SUPERVISOR D. ADAMS

PREPARED BY: DONALD D. ADAMS, P.E. ON: 2/13/2024	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT		PIN 8762.51	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040323	
	MAMARONECK AVENUE TO 130 UNION AVENUE						DRAWING NO. GNP-06 SHEET NO. 17	
	TOWN/VILLAGE OF HARRISON							
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							 TOWN/VILLAGE OF HARRISON WESTCHESTER COUNTY, NY	








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JOB MANAGER C. GEROUX DESIGN K. GENSLEER CHECK C. GEROUX DRAFTING K. DETRICK CHECK D. BORJAS PROJECT MANAGER C. GEROUX

PREPARED BY: DONALD D. ADAMS, P.E. ON: 2/13/2024	ALTERED BY: ON:
	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT
MAMARONECK AVENUE TO 130 UNION AVENUE

TOWN/VILLAGE OF HARRISON

COUNTY: WESTCHESTER

REGION: 8

PIN 8762.51

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

GENERAL PLAN

CONTRACT NUMBER

D040323

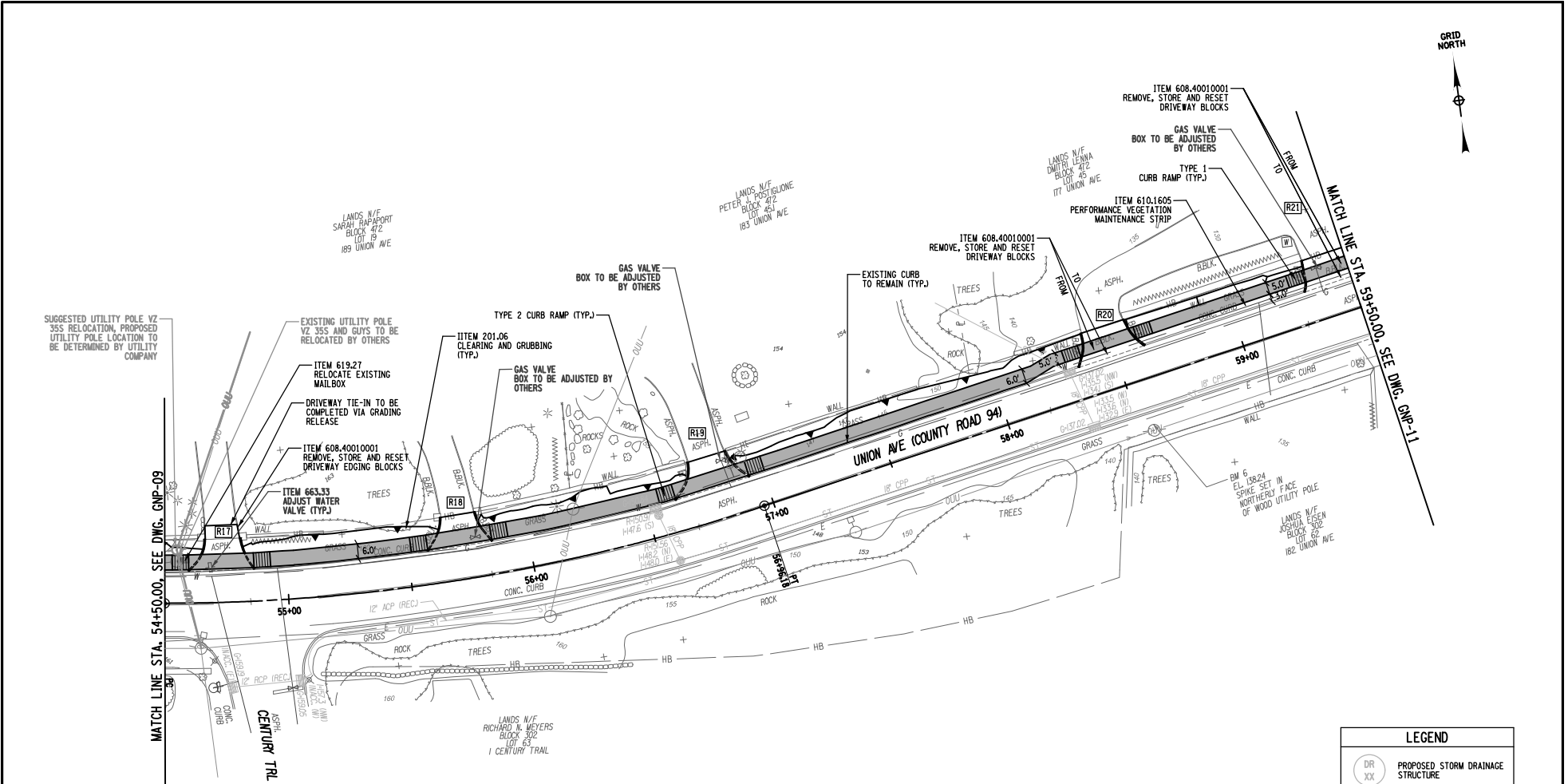
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SHEET NO. 21

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 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.



TOWN/VILLAGE OF HARRISON
WESTCHESTER COUNTY, NY



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PROJECT MANAGER C. GEROUX

CHECK D. BORJAS

DRAFTING K. DETRICK

CHECK C. GEROUX


DESIGN K. GENSLEER


JOB MANAGER C. GEROUX

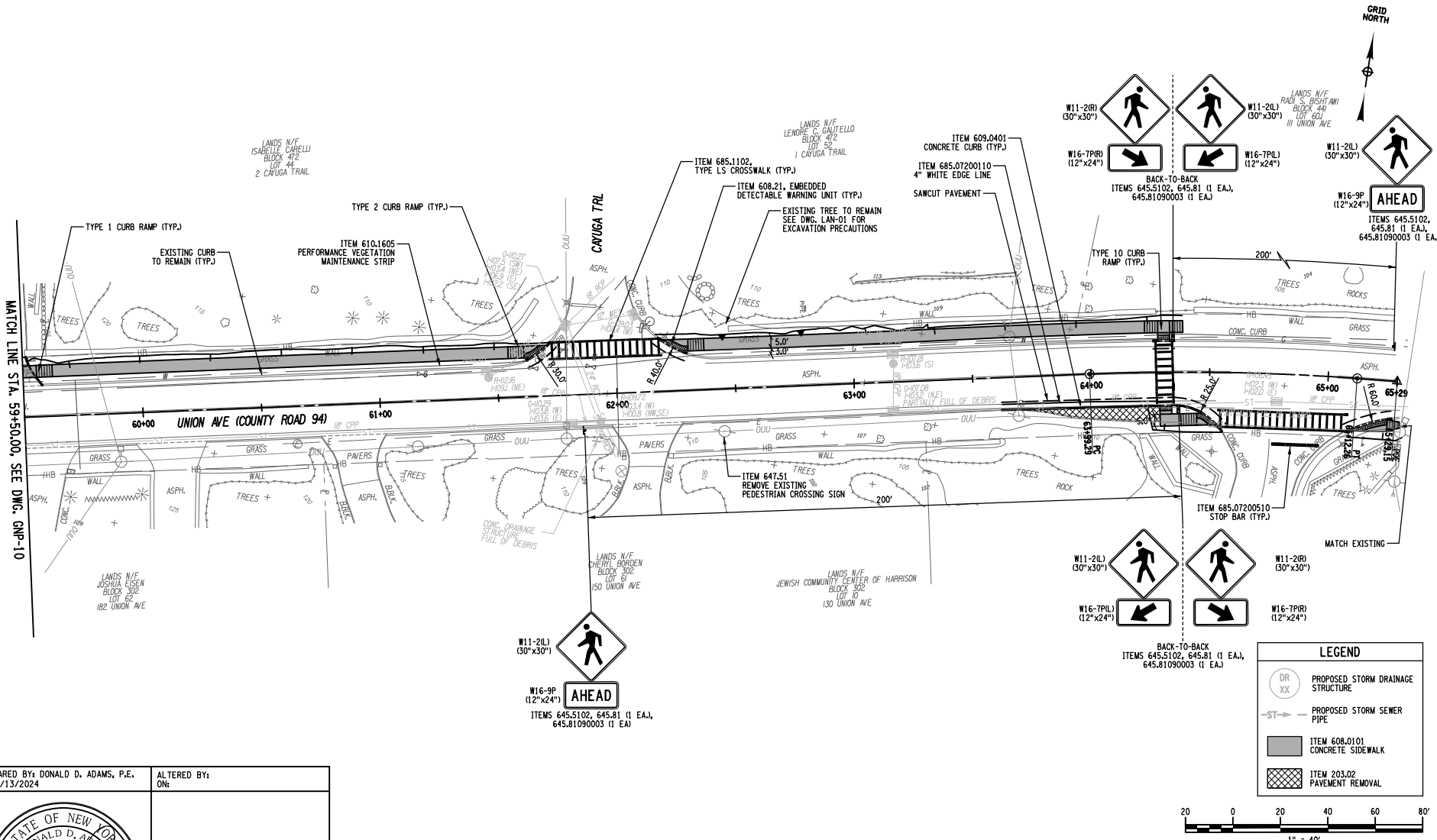
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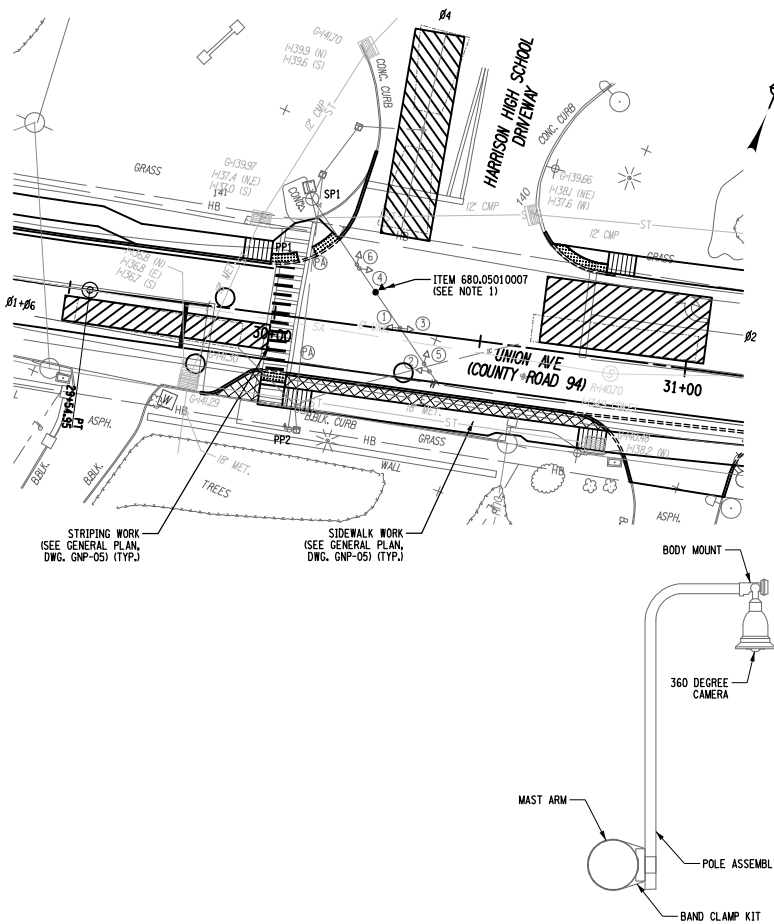
PREPARED BY: DONALD D. ADAMS, P.E.
ON: 2/13/2024

ALTERED BY:
ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT	PIN 8762.51	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	
	MAMARONECK AVENUE TO 130 UNION AVENUE					D040323	
						GENERAL PLAN	DRAWING NO. GNP-11
	TOWN/VILLAGE OF HARRISON						SHEET NO. 22
	COUNTY: WESTCHESTER REGION: 8						
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 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.							
					TOWN/VILLAGE OF HARRISON WESTCHESTER COUNTY, NY		





NOTE:

1. UNDER ITEM 680.05010007, THE CONTRACTOR SHALL RUN THE CAT5E CABLE FOR THE VIDEO DETECTION CAMERA TO THE SIGNAL CONTROLLER.

VIDEO DETECTION CAMERA DETAIL - MAST ARM MOUNT

ITEM 680.05010007
(NOT TO SCALE)

VIDEO DETECTION CAMERA NOTES:

1. ALL MOUNTING HARDWARE SHALL BE PROVIDED BY THE MANUFACTURER.
2. ALL EQUIPMENT SHALL MEET THE CONTRACT SPECIFICATION. STYLE OF CAMERA AND HARDWARE MAY VARY BY MANUFACTURER.

TRAFFIC SIGNAL NOTES:

1. ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH NEW YORK STATE STANDARD SHEETS 680-01 THRU 680-17 INCLUSIVE, AS APPLICABLE, EXCEPT AS MODIFIED BELOW OR IN THE CONTRACT PLANS.
2. WHERE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) SPECIFICATION EQUIPMENT IS TO BE INSTALLED, SUCH EQUIPMENT SHALL MEET ALL REQUIREMENTS OF N.E.M.A. SPECIFICATION TS2-2003 AS AMENDED.
3. UNLESS OTHERWISE NOTED, WESTCHESTER COUNTY SHALL HAVE MAINTENANCE JURISDICTION OVER THE SIGNAL AT THE INTERSECTION OF UNION AVE AND HARRISON HIGH SCHOOL. IN THIS CONTRACT UPON COMPLETION OF THEIR INSTALLATION AND OFFICIAL ACCEPTANCE.
4. ALL MATERIALS CATALOG CUT SHEETS MUST BE SUBMITTED TO THE E.I.C. FOR REVIEW AND ACCEPTANCE PRIOR TO INSTALLATION.
5. THE CONTRACTOR SHALL HAVE ALL CONVENTIONAL, N.E.M.A. OR INTERSECTION FLASHER EQUIPMENT (TO BE INSTALLED), INSPECTED BY WESTCHESTER COUNTY SIGNAL MAINTENANCE FORCES BEFORE THE SIGNAL IS ENERGIZED. THE CONTRACTOR SHALL MAINTAIN EACH SIGNAL IN CONTINUOUS OPERATION AS SPECIFIED BY THE TABLE OF OPERATIONS FOR 30 DAYS BEFORE SEEKING FINAL ACCEPTANCE.
6. UPON COMPLETION OF WORK AT AN INTERSECTION, WESTCHESTER COUNTY ENGINEERING PERSONNEL WILL PERFORM AN INSPECTION OF THE SIGNAL SYSTEM. AT THE TIME OF THE INSPECTION, THE CONTRACTOR SHALL UNBAG THE NEW SIGNAL HEADS AND SHALL PROVIDE ACCESS TO ALL PULLBOXES FOR INSPECTION PURPOSES. THE CONTRACTOR SHALL BE NOTIFIED OF ANY DEFECTS FOUND DURING THE INSPECTION, AND WILL MAKE THE NECESSARY CORRECTIONS BEFORE THE INTERSECTION WILL BE ACCEPTED. THE CONTRACTOR SHALL PROVIDE SUFFICIENT PERSONNEL AND TRAFFIC CONTROL DEVICES TO SAFELY MAINTAIN TRAFFIC THROUGH THE INTERSECTION WHILE THE INSPECTION IS BEING PERFORMED. THE SIGNAL HEADS SHALL BE REBAGGED SHOULD THE INSPECTION FAIL.
7. WORK ZONE TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 619 - WORK ZONE TRAFFIC CONTROL - OF THE NYS DOT STANDARD SPECIFICATIONS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND ANY PROVISIONS CONTAINED IN THE PLANS. THE CONTRACTOR SHALL INSTALL SIGNS ON ALL LEGS OF AN INTERSECTION PRIOR TO WORKING AT THAT INTERSECTION.
8. THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN A TRAFFIC SIGNAL SHALL INCLUDE MAINTAINING VEHICLE DETECTORS ON A VEHICLE ACTUATED INSTALLATION. IF A VEHICLE DETECTOR BECOMES INOPERATIVE, THE CONTRACTOR SHALL REPAIR IT, REPLACE IT, OR IF A NEW COMPATIBLE DETECTOR IS CALLED FOR IN THE PLANS, THE CONTRACTOR, WITH THE PERMISSION OF THE E.I.C., MAY CONNECT THE NEW DETECTOR INTO THE EXISTING SYSTEM.
9. ALL INTERSECTION IMPROVEMENTS SHOWN ON THE PLANS, INCLUDING LANE DESIGNATION SIGNS, TURNING LANES, CHANNELIZATION, PAVEMENT MARKINGS, ETC., SHALL BE IN PLACE BEFORE THE NEW SIGNAL SYSTEM IS PLACED INTO OPERATION. THE CONTRACTOR SHALL WORK WITH THE E.I.C. AND WESTCHESTER COUNTY TO COORDINATE THESE OPERATIONS.
10. IF IT IS DISCOVERED THAT THE MINIMUM CLEARANCES FROM PRIMARY AND/OR SECONDARY POWER CONDUCTORS AS REQUIRED BY SECTION 23 OF THE NATIONAL ELECTRICAL SAFETY CODE (ANSI STANDARD C2-1997) AND LOCAL UTILITY CODES CANNOT BE ACHIEVED, THE UTILITY COMPANY OWNING SUCH CONDUCTORS SHALL BE NOTIFIED IN WRITING OF THE PROBLEM. NO FURTHER WORK SHALL BE DONE UNTIL SAID POWER LINES HAVE BEEN RELOCATED OR MODIFIED TO PROVIDE THE PROPER CLEARANCES.
11. THE LOCATIONS OF ALL UNDERGROUND OBJECTS HAVE NOT BEEN SHOWN ON THE PLANS. THE CONTRACTOR SHALL DETERMINE THE EXISTING CONDITIONS AND SUPPORT AND PROTECT ALL LINES ENCOUNTERED IN THE TRENCHING AND EXCAVATION OPERATIONS.
12. A CARD SHALL BE PLACED ON THE INSIDE DOOR OF EACH CONTROLLER CABINET LISTING ALL THE COMPONENT PARTS BY SERIAL NUMBER, THE DATE OF INSTALLATION, AND DATE OF OFFICIAL OPERATION.
13. LEAD-INS FROM ALL TRAFFIC SIGNAL DETECTORS SHALL BE TAGGED OR DIAGRAMMED IN THE CONTROLLER CABINET TO IDENTIFY THE DETECTOR THEY SERVE.
14. NO SPLICES SHALL BE ALLOWED IN THE SIGNAL CONTROL CABLE.
15. UNLESS OTHERWISE NOTED, ALL TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED SHALL BECOME THE PROPERTY OF THE OWNER OF THE SIGNALS.
16. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND BICYCLE TRAFFIC THROUGH OR AROUND EACH PROJECT LOCATION FOR THE DURATION OF THE CONSTRUCTION. MATERIAL, EQUIPMENT OR OTHER SUCH BARRIERS SHALL NOT BE PLACED OR PARKED IN SUCH A MANNER AS TO OBSTRUCT PEDESTRIAN OR BICYCLE TRAFFIC OR TO PRESENT A SAFETY HAZARD TO THE NON-MOTORIZED PUBLIC. WHERE PEDESTRIAN TRAFFIC MUST BE RELOCATED OFF THE EXISTING FACILITY, WALKWAYS SHALL BE CLEARLY MARKED AND HAVE A LOGICAL START AND TERMINUS.
17. NEW VIDEO DETECTION SHALL BE INSTALLED AND MADE OPERATIONAL PRIOR TO ANY WORK THAT MAY IMPACT EXISTING TRAFFIC SIGNAL LOOPS.

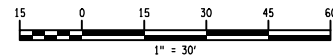
WESTCHESTER COUNTY SPECIFIC NOTES:

1. UNDER ITEM 680.05010007, THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS FOR ALDIS CORPORATION GRIDSMART VIDEO IMAGING VEHICLE DETECTION SYSTEM (VIVDS) WITH DVR CAPABILITIES OR APPROVED EQUAL ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE SUPPLIER/MANUFACTURER FOR OPTIMAL CAMERA PLACEMENT. THE COST OF SETTING UP VEHICLE DETECTION ZONES IN ACCORDANCE WITH THE TRAFFIC SIGNAL PLANS AND TRAFFIC SIGNAL TIMINGS, AS WELL AS ANY NECESSARY RISERS, SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 680.05010007.
2. THE 360 DEGREE VIDEO PROCESSOR TO BE SUPPLIED AND INSTALLED UNDER ITEM 680.05010007 SHALL BE CONFIGURED ON THE WESTCHESTER COUNTY DATA NETWORK USING IP ADDRESS PROVIDED BY WCDPWT TRAFFIC ENGINEERING AT THE TIME OF INSTALLATION. EXISTING ETHERNET CONNECTIVITY IS PRESENT AT THE SIGNAL CABINET.
3. THE 360 DEGREE VIDEO PROCESSOR SHALL INCLUDE THE OPTIONAL PERFORMANCE+ PACKAGE FOR REAL TIME TURNING MOVEMENT COUNTS AND ALERTS.
4. THE 360 DEGREE VIDEO PROCESSOR SHALL BE CONNECTED TO THE C11 CONNECTOR OF THE EXISTING MODEL 2070 CONTROLLER.
5. THE WCDPWT SHALL DETERMINE THE HOURS DURING WHICH LANES MAY BE CLOSED TO INSTALL THE TRAFFIC SIGNAL EQUIPMENT. THE ENGINEER WILL COORDINATE THE TIME RESTRICTION SCHEDULE WITH THE WCDPWT AT LEAST 1 WEEK PRIOR TO COMMENCING WORK.

PROJECT SPECIFIC NOTES:

1. THE CONTRACTOR SHALL RESTORE ALL DISTURBED SURFACES TO EXISTING OR BETTER CONDITION.
2. EXISTING SIGNAL PHASING SHALL BE MAINTAINED AS PART OF INSTALLATION OF NEW VIDEO DETECTION.
3. THE CONTRACTOR SHALL NOTIFY WESTCHESTER COUNTY (1) WEEK IN ADVANCE OF ANY SCHEDULED SIGNAL WORK. THE CONTRACTOR SHALL ALSO DISTRIBUTE VILLAGE PROVIDED NOTICES TO RESIDENCES AND BUSINESSES THAT MAY BE AFFECTED BY CONSTRUCTION AS DIRECTED BY THE VILLAGE.
4. IF AN INTERSECTION UNDER CONSTRUCTION HAD EXISTING OPERATING PEDESTRIAN SIGNALS, THE CONTRACTOR SHALL MAINTAIN THE OPERATION OF THE PEDESTRIAN SIGNALS DURING CONSTRUCTION UNLESS THE CONTRACTOR IS PHYSICALLY WORKING AT THAT INTERSECTION TO ASSIST PEDESTRIANS ACROSS THE STREET.

TRAFFIC SIGNAL LEGEND	
	PULL BOX
	MICROCOMPUTER CABINET
	PEDESTRIAN POLE
	SIGNAL HEAD
	SIGNAL POLE
	OVERHEAD SIGN
	TRAFFIC SIGNAL CONDUIT
	VIDEO DETECTION CAMERA
	VIDEO DETECTION ZONE



PREPARED BY: DONALD D. ADAMS, P.E. ON: 2/13/2024	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT MAMARONECK AVENUE TO 130 UNION AVENUE	PIN 8762.51	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040323
	TOWN/VILLAGE OF HARRISON				TRAFFIC SIGNAL PLAN WESTCHESTER CO SIGNAL #48 UNION AVE (CR 94)/HARRISON HIGH SCHOOL	DRAWING NO. TSP-01 SHEET NO. 23
	COUNTY: WESTCHESTER	REGION: 8				
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FILE NAME : NYS001200120-01 Harrison - Union Ave Sidewalks Working CADD.dgn\\200-001\\200-001.dgn
DATE/TIME : 2/13/2024 12:05:54 PM
PLOT : NYS001.DWG PDF plot19

PROJECT MANAGER C. GEROUX

CHECK D. BORJAS

DRAFTING K. DETRICK

CHECK C. GEROUX

DESIGN K. GENSLEER

JOB MANAGER C. GEROUX

DESIGN SUPERVISOR D. ADAMS

PLANTING PLAN NOTES:

- FOR SECTION 611 WORK
 - 611-3.01 - LOCATION FOR PLANTS AND OUTLINES OF AREAS SHALL BE STAKED IN FIELD AND APPROVED BY THE ENGINEER MIN. 24 HOURS PRIOR TO INSTALLATION.
 - 611.19010024 POST PLANTING CARE WITH REPLACEMENT: THE CONTRACTOR SHALL PROVIDE POST-PLANTING CARE WITH REPLACEMENT FOR ALL TREES AND SHRUBS INSTALLED BY THIS PROJECT.
 - 713-05 MULCH FOR PLANTING: MULCH FOR PLANTING SHALL BE 3" DEPTH, TYPE A OR B. MULCH LIMITS SHALL EXTEND TO OUTSIDE EDGE OF PLANTING BEDS; DO NOT ALLOW MULCH TO CONTACT THE TRUNK OR STEM OF SHRUBS.
 - NO STAKES SHALL BE PLACED ON ANY TREES. REFER TO "PLANTING NEXT TO PAVEMENT OR CURB" DETAIL SHOWN ON SHEET 1 OF THE NYS STANDARD SHEET 611-01.
 - PROVIDE FERTILIZER AT A RATE OF 1 LB PER 100 SF OF PLANTING BED OR PLANT PIT AREA. USE TYPE A OR B. DO NOT ALLOW FERTILIZER TO COME IN CONTACT WITH PLANT TRUNKS, STEMS OR LEAVES.
 - CONTRACTOR SHALL PROVIDE PORTABLE DRIP IRRIGATION SYSTEM (POIS) FOR ALL TREES GREATER THAN 5' HEIGHT AND/OR 2" CALIPER. USE ITEM 611.17 PORTABLE DRIP IRRIGATION SYSTEM. CONTRACTOR SHALL REMOVE AT CONSTRUCTION END. COST FOR REMOVAL SHALL BE PAID FOR UNDER 611.18. LOW-PROFILE, HORIZONTALLY-ORIENTED POIS SHALL BE USED FOR EVERGREENS WHERE LOW BRANCHING PRESENTS A CONFLICT. ALL POIS SHALL HOLD A MINIMUM OF 20 GALLONS AND BE FILLED A MINIMUM OF ONCE EVERY SEVEN DAYS DURING THE MAINTENANCE PERIOD, EXCEPTING NOVEMBER THROUGH APRIL. SHRUBS SHALL BE WATERED AS SPECIFIED IN 610-3.10 WATERING VEGETATION B. TREES AND PLANT PITS. PROVIDE A MINIMUM 2" DEPTH OF WATER OVER THE PLANTING BED OR PLANT SAUCER AREA PER WATERING. ENSURE WATER PENETRATES BELOW MULCH LAYER AND INTO SOIL.
 - ALL TREES LOCATED NEXT TO SIDEWALK SHALL BE STREET TREE QUALITY.
 - ALL TREES SHALL BE PLANTED BETWEEN MARCH 15TH TO MAY 15TH OR SEPTEMBER 15TH TO NOVEMBER 30TH.

TURF ESTABLISHMENT NOTES:


- FOR SECTION 610.1605 TURF ESTABLISHMENT - PERFORMANCE
 - SEEDS SHALL MEET THE REQUIREMENTS OF § 713-04.
 - MULCH SHALL MEET THE REQUIREMENTS OF § 713-11.
 - MULCH ANCHORAGE SHALL MEET THE REQUIREMENTS OF § 713-12.
 - STRAW SHALL MEET THE REQUIREMENTS OF § 713-19.
 - WATER SHALL MEET THE REQUIREMENTS OF § 712-01.
- FOR 610.19 WATERING VEGETATION WORK:
 - IN THE ABSENCE OF 1 INCH OF RAINFALL WITHIN 5 CONSECUTIVE CALENDAR DAYS, THE CONTRACTOR SHALL WATER ALL TURF AND WILDFLOWERS ONCE A WEEK TO A DEPTH OF 1 INCH. IRRIGATE NEWLY SEEDED AS REQUIRED TO THOROUGHLY WET SOIL TO DEPTH THAT WILL ENSURE GERMINATION WITHOUT CAUSING RUNOFF OR EROSION. REPEAT IRRIGATION AS NECESSARY AND REQUIRED UNTIL GRASS IS ESTABLISHED.



GENERAL LANDSCAPE ARCHITECTURE PLAN NOTES:

- REFER TO STANDARD SHEET 611-01 LANDSCAPE PLANTING DETAILS.
- PLANTING WILL BE LOCATED AS SHOWN ON THE GENERAL PLANS UNLESS REVISIONS ARE REQUIRED AS DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONFIRM WITH THE ENGINEER THE ACTUAL QUANTITY OF PLANTS TO BE PLANTED PRIOR TO ORDERING THE PLANT MATERIAL.
- ALL PLANTING PITS SHALL HAVE A PERMEABLE WEED CONTROL LANDSCAPE FABRIC (ITEM 610.1201) PLACED OVER THE PLANT PIT AND TYPE A OR B SHREDDED BARK MULCH PLACED OVER THE LANDSCAPE FABRIC AT A DEPTH OF 3 INCHES.
- ALL RECOMMENDED PLANT SUBSTITUTIONS AND CHANGES SHALL BE IN WRITING BY THE CONTRACTOR TO THE ENGINEER FOR APPROVAL.
- NO CONSTRUCTION DEBRIS OR ROADWAY MATERIAL (ASPHALT AND/OR SUBBASE MATERIAL-CRUSHED STONE) SHALL BE LEFT IN THE PLANT PIT AT THE TIME OF PLANTING.
- THE PLANTING SOIL SHALL BE AMENDED WITH APPROVED MANUFACTURED TOPSOIL THOROUGHLY PREMIXED IN THE PROPORTION OF 1 PART OF TYPE D COMPOST WITH 5 PARTS OF ROADSIDE TYPE TOPSOIL (ITEM 610.1402).
- FERTILIZER SHALL BE 610.0501 (TYPE A) AND SHALL BE PROVIDED IN AMMONIUM SULFATE FORM OR EQUIVALENT, DO NOT APPLY DIRECTLY TO PLANTS OR ALLOW TO RESIDE ON PAVEMENT.

EXISTING TREES AND PLANTS NOTES:

- WHEN WORKING WITHIN THE DRIPLINES OF EXISTING TREES GREATER THAN 3" CALIPER.
 - ALL EXPOSED DIRT WITHIN THE DRIPLINES OF THE TREES TO REMAIN SHALL BE WELL MULCHED WITH STRAW AND WATERED TO PROTECT NEWLY EXPOSED FEEDER ROOTS.
 - SMALL LIGHT WEIGHT EQUIPMENT SHALL BE USED TO REMOVE MATERIALS AND ADD SOIL AND/OR SUBBASE TO ESTABLISH GRADES AND PLACE MATERIALS WITHIN THE DRIPLINE.
 - ALL EXPOSED ROOTS IN CUT AND GRADE PROCESSES SHALL BE CLEAN CUT BACK TO EXISTING SOIL AND COVERED WITH SOIL.
 - FOR WORKING CLOSE TO INDIVIDUAL TREES GREATER THAN 12" CALIPER:
 - EXCAVATION WITHIN 12" OF THE TRUNK SHALL BE DONE USING AN AIR SPADE SO THAT THE ROOTS CAN BE CLEARLY IDENTIFIED AND CLEANLY CUT.
 - ROOT BARRIER (12" HIGH IF POSSIBLE) SHOULD BE INSTALLED AT THE EDGE OF SIDEWALK WITHIN THE DRIPLINE.
 - CONSULT WITH ENGINEER PRIOR TO CUTTING ANY ROOTS OVER 2".
- WHEN WORKING ADJACENT TO SHRUB AND PERENNIAL BEDS:
 - MINIMIZE DISTURBANCE TO EXISTING PLANTS AS MUCH AS POSSIBLE.
 - IMMEDIATELY MULCH AND WATER ANY EXPOSED OR DISTURBED AREAS WITHIN BEDS AND CONTINUE WATERING UNTIL PLANTS HAVE FULLY RECOVERED AND NORMAL GROWING CONDITIONS ARE RESTORED.
 - MINIMIZE DISTURBANCE TO WOODY VEGETATION AND CORRECTLY PRUNE ANY BROKEN OR DAMAGED BRANCHES.

PREPARED BY: DONALD D. ADAMS, P.E. ON: 2/13/2024	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT	PIN 8762.51	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D040323	
	MAMARONECK AVENUE TO 130 UNION AVENUE					LANDSCAPE DEVELOPMENT NOTES	DRAWING NO. LAN-01
	TOWN/VILLAGE OF HARRISON						SHEET NO. 24
	COUNTY: WESTCHESTER REGION: 8						
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					 TOWN/VILLAGE OF HARRISON WESTCHESTER COUNTY, NY		

GENERAL DRAINAGE NOTES:

1. CONTRACTOR IS REQUIRED TO MAINTAIN EXISTING DRAINAGE CAPACITY AT ALL TIMES DURING CONSTRUCTION. NO STOCKPILING SHALL BE ALLOWED ALONG DRAINAGE FLOW LINES.
2. THE PROPOSED DRAINAGE SHALL BE LOCATED UNDER SURVEY AND STAKEOUT, ITEM 625.01. THIS INCLUDES SETTING PROPOSED TOP OF FRAME ELEVATIONS.
3. WHERE DRAINAGE STRUCTURES ARE PLACED ON EXISTING PIPE OR CULVERTS, THE CONTRACTOR SHALL FIELD DETERMINE THE EXISTING PIPE OR CULVERT SIZES AND INVERTS BEFORE FABRICATING THE STRUCTURE.
4. THE CONTRACTOR'S ATTENTION IS DRAWN TO THE FACT THAT CONDITIONS AND QUANTITIES AS SHOWN ON THE DRAINAGE TABLE ARE ESTIMATED. THESE CONDITIONS AND QUANTITIES ARE NOT TO BE DEEMED OR CONSIDERED BY THE CONTRACTOR AS A WARRANTY OR REPRESENTATION OF ACTUAL FIELD CONDITIONS TO BE ENCOUNTERED OR EXACT QUANTITIES OF WORK TO BE PERFORMED.
5. DRAINAGE STRUCTURE OFFSETS AND LENGTHS OF PIPE SLOWS IN THE DRAINAGE TABLE ARE NOMINAL DIMENSIONS. EXACT DIMENSIONS SHALL BE DETERMINED IN THE FIELD. TOP OF FRAME ELEVATIONS ARE GIVEN AT THE CENTER OF THE GRATE. AT THE FACE OF CURB, WHEN APPLICABLE, STATION AND OFFSET LOCATIONS ARE GIVEN AT THE CENTER OF THE STRUCTURE OR THE CENTER OF THE INLET/OUTLET LOCATION.
6. STEPS ARE REQUIRED FOR ALL DRAINAGE UNITS GREATER THAN 4 FT. IN DEPTH.
7. CONSTRUCTION OF ALL PROPOSED UTILITIES MUST BEGIN AT THE POINT OF CONNECTION TO THE EXISTING UTILITY OR AT THE LOWEST POINT IN THE SYSTEM: RIMS, GRATES, INVERTS. CLEARANCES AND LOCATION AT CROSSINGS MUST BE VERIFIED PRIOR TO THE BEGINNING OF CONSTRUCTION.
8. A SHIELDING AND SHORING SYSTEM (SSS) SHALL BE USED FOR ALL TRENCH EXCAVATIONS DEEPER THAN 5 FT. PAYMENT FOR THE SSS SYSTEM SHALL BE MADE UNDER ITEM 552.17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SUPPORT SYSTEM THAT WILL NOT ONLY PROTECT WORKERS WITHIN THE EXCAVATION, BUT ALSO SUPPORT ANY AND ALL EXISTING AND NEW UTILITIES AND FACILITIES ENCASED DURING TRENCHING OPERATIONS. THE CONTRACTOR SHALL COORDINATE TRENCHING OPERATIONS WITH CONED AND VEHICULAR WHERE IT WILL BE NECESSARY FOR THE UTILITY COMPANY TO HOLD IT SUPPORT THEIR UTILITY POLES DURING EXCAVATION IN ACTUAL VICINITY OF THE POLE. THE CONTRACTOR SHALL COORDINATE WITH WESTCHESTER JOINT WATER WORKS WHEN TRENCHING NEAR WATER AND SANITARY SEWER LINES.
9. TRENCH AND CULVERT EXCAVATION SHALL BE PAID UNDER ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION. THE TOP PAYMENT LINE FOR THE EXCAVATION SHALL BE ORIGINAL GROUND AS IT IS ASSUMED THAT THE MAJORITY OF PIPE INSTALLATIONS WILL BE DONE PRIOR TO THE ACTUAL ROADWAY RECONSTRUCTION. SHOULD THE PIPE INSTALLATIONS BE DONE CONCURRENTLY WITH THE ROADWAY RECONSTRUCTION, THE TOP EXCAVATION PAYMENT LINE SHALL BE SUBGRADE AS DETERMINED BY THE ENGINEER.
10. ALL DRAINAGE STRUCTURES SHALL HAVE 1 FOOT SLIPS UNLESS OTHERWISE NOTED IN THE DRAINAGE TABLES.


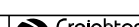




PREPARED BY: DONALD D. ADAMS, P.E. ON: 2/13/2024		ALTERED BY: ON:								
	AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:			UNION AVENUE PEDESTRIAN SAFETY IMPROVEMENT PROJECT WAMARONECK AVENUE TO 130 UNION AVENUE TOWN/VILLAGE OF HARRISON COUNTY: WESTCHESTER REGION: 8	PIN 8762.51	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED DRAINAGE TABLE	CONTRACT NUMBER D040323 DRAWING NO. DRT-01 SHEET NO. 25	
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										TOWN/VILLAGE OF HARRISON WESTCHESTER COUNTY, NY

TABLE OF DRAINAGE REMOVAL										203.02 - UNCLASSIFIED EXCAVATION	203.03 - EMBANKMENT	206.0201 - TRENCH/CULV.-O.G.	552.17 - EPS
DR. NO.	LOCATION		EXISTING PIPE INVERT		DESCRIPTION OF WORK								
			INLET	OUTLET									
	FROM	TO						CY	CY				
5-1	30+80 O/S 19.24 RT	OUTLET	138.2	136.8	REMOVE 100 LF OF 18" PIPE AND EXISTING DRAINAGE STRUCTURE	8	70	62	0				
7-1	43+30 O/S 19.71 LT	43+83 O/S 19.18 LT	169.0	165.5	REMOVE 42 LF OF 6" PIPE AND EXISTING DRAINAGE STRUCTURE, REMOVE 11 LF OF 15" PIPE.	4	9	5	0				
TOTALS							12	79	67	0			

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 - ALL DRAINAGE STRUCTURES SHALL HAVE 1 FOOT SUMP UNLESS OTHERWISE NOTED IN THE DRAINAGE TABLES.

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	TOWN/VILLAGE OF HARRISON					DRAWING NO. DRT-02
	COUNTY: WESTCHESTER REGION: 8					SHEET NO. 26
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