

FILE NAME = ...\\2019066.01 oph\_ovr.dgn  
DATE/TIME = 4/27/2022  
USER = mhacker

DESIGN SUPERVISOR C. CORNWELL

JOB MANAGER F. MASTROIANNI

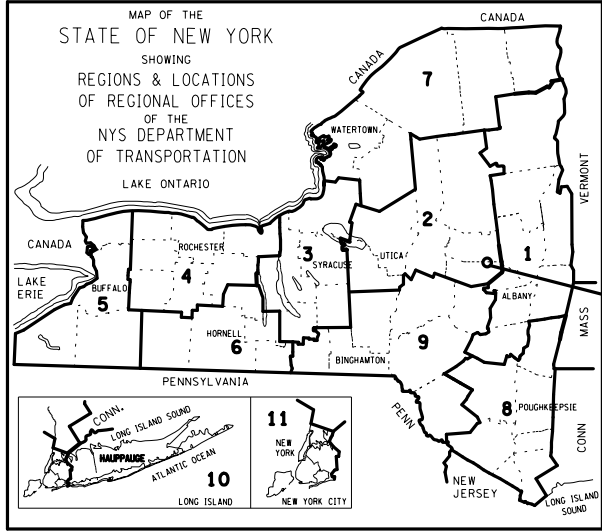
DESIGN M. HACKER

CHECK C. CORNWELL

DRAFTING M. HACKER

CHECK C. CORNWELL

PROJECT MANAGER C. CORNWELL



PROJECT LOCATION

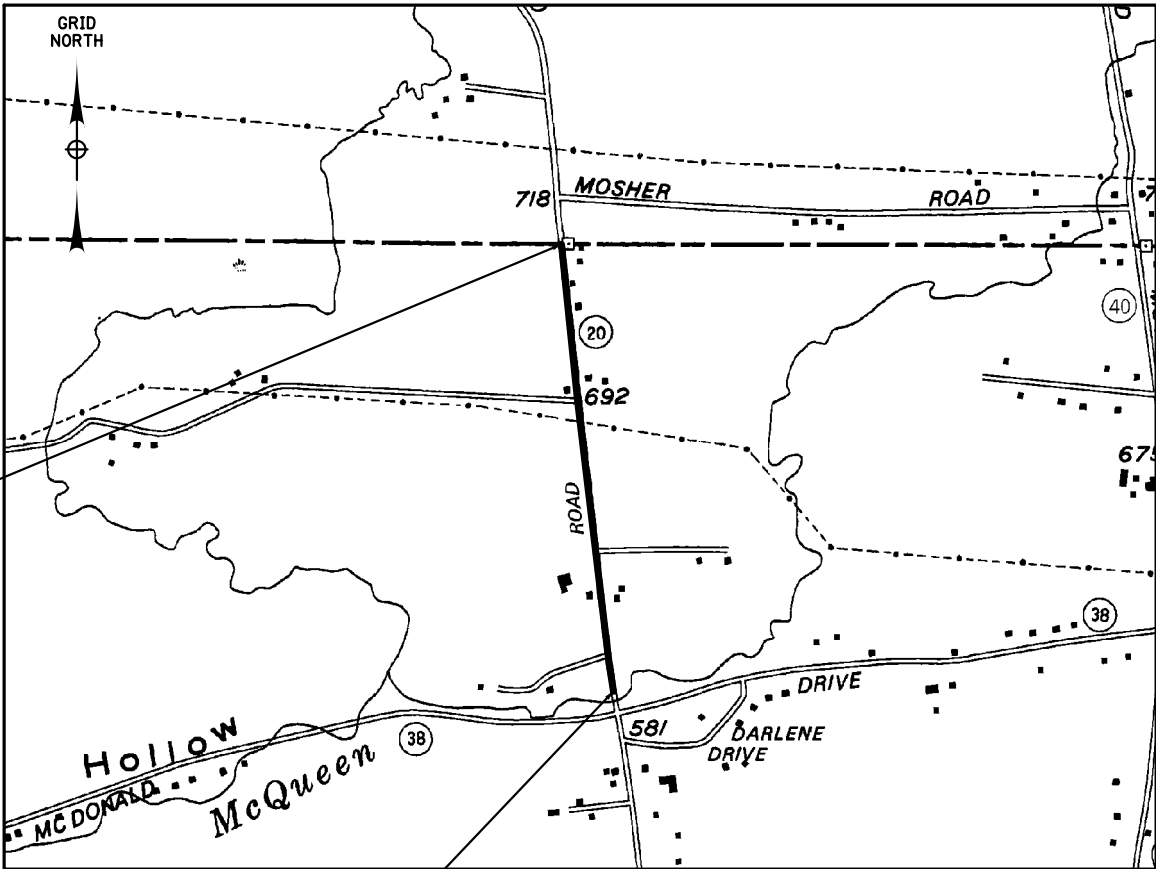


LEPPER ROAD (CR 20) ROADWAY WIDENING  
TOWN OF AMSTERDAM, MONTGOMERY COUNTY

MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS

CONTRACTOR'S NAME _____	
AWARD DATE _____	
COMPLETION DATE _____	
FINAL ACCEPTANCE DATE _____	
REGIONAL DIRECTOR _____	
ENGINEER IN CHARGE _____	
FINAL COST TOTAL _____	
FISCAL SHARE	COST(S)

LIMIT OF WORK  
MONTGOMERY-FULTON  
COUNTY LINE  
LE 35+24



LIMIT OF WORK  
LE 3+46

PROJECT LOCATION  
NOT TO SCALE

APPROVED BY

ERIC M. MEAD, COMMISSIONER  
MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS

DATE

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE NYSDOT, 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 STANDARD SPECIFICATIONS (US CUSTOMARY) REFERENCED IN THE CONTRACT PROJECT "PROPOSAL" EXCEPT AS MODIFIED BY THESE PLANS OR BY CHANGES SET FORTH IN THE CONTRACT PROJECT "PROPOSAL."

CONTRACT PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH NYSDOT POLICIES AND GUIDELINES.

PREPARED AND  
RECOMMENDED BY:



Christopher C. Cornwell  
CHRISTOPHER C. CORNWELL, P.E., HIGHWAY DESIGN  
VICE PRESIDENT

**GPI**

GREENMAN-PEDERSEN, INC.  
CONSULTING ENGINEERS  
80 WOLF ROAD, SUITE 300  
ALBANY, NY 12205

LEPPER ROAD (CR20) ROADWAY WIDENING

TOWN OF AMSTERDAM

COUNTY: MONTGOMERY

FED. ROAD REG. NO.	STATE	SHEET NO.
2	N.Y.	1

CAPITAL PROJECT  
IDENTIFICATION NO.

INDEX ON SHEET NO. 2

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
℄	BASELINE	BDY	BOUNDARY	GP	GUY POLE
BRG	BEARING	BLDG	BUILDING	GSB	GAS SERVICE BOX (HOUSE LINE)
℄	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
HSD	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		
PVT	POINT OF VERTICAL TANGENT	IP	IRON PIN OR IRON PIPE	ABBR.	DESCRIPTION
R	RADIUS	MB	MAILBOX	REPLACE ABBREVIATION "AB" WITH:	
SC	SPIRAL TO CURVE	MON	MONUMENT	AH	HAND AUGER
SSD	STOPPING SIGHT DISTANCE	N&W	NAIL AND WASHER	CP	CONE PENTROMETER
ST	SPIRAL TO TANGENT	OG	ORIGINAL GROUND	DA	2¼ INCHES CASED DRILL HOLE
STA	STATION	O/H	OVERHEAD	DM	DRILLING MUD
T	TANGENT LENGTH	P	PARCEL	DN	4 INCHES CASED DRILL HOLE
TGL	THEORETICAL GRADE LINE	PAV'T	PAVEMENT	FH	HOLLOW FLIGHT AUGER
TS	TANGENT TO SPIRAL	PE	PERMANENT EASEMENT	PA	POWER AUGER
VC	VERTICAL CURVE	PED POLE	PEDESTRIAN POLE	PH	PROBE
TOPOGRAPHY (DRAINAGE)		℄	PROPERTY LINE	PT	PERCOLATION TEST HOLE
		POR	PORCH	RP	1 INCH SAMPLER (RETRACTABLE PLUG)
ABBR.	DESCRIPTION	RR	RAILROAD	TO BE DEFINED AT THE TIME OF EXPLORATION	
BB	BOTTOM OF BANK (STREAM)	RTE	ROUTE	SP	SEISMIC POINT
BC	BOTTOM OF CURB	ROW	RIGHT OF WAY	TP	TEST PIT
BO	BOTTOM OF OPENING	RW	RETAINING WALL	ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH:	
CAP	CORRUGATED ALUMINUM PIPE	SH	STATE HIGHWAY	B	BRIDGE
CB	CATCH BASIN	SHLDR	SHOULDER	C	CUT
CIP	CAST IRON PIPE	SPK	SPIKE	D	DAM
℄ STRM	CENTERLINE OF STREAM	ST	STREET	F	FILL
CMP	CORRUGATED METAL PIPE	STK	STAKE	K	CULVERT
CP	CONCRETE PIPE	STY	STORY	W	WALL
CSP	CORRUGATED STEEL PIPE	SW	SIDEWALK	X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE
CULV	CULVERT	TE	TEMPORARY EASEMENT		
DIA	DIAMETER	TO	TEMPORARY OCCUPANCY		
DMH	DRAINAGE MANHOLE	U/G	UNDERGROUND		
DS	DRAINAGE STRUCTURE PIPE	WW	WING WALL		
D'XING	DITCH CROSSING				
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
ft²	SF	SQUARE FEET
YD²	SY	SQUARE YARD
AC	AC	ACRES
YD³	CY	CUBIC YARD
GAL	GAL	GALLON
lb	LB	POUND
TON	TON	TON

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20) ROADWAY WIDENING
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DRAWING INDEX			
DESCRIPTION	DWG NO	SHEET QUANTITY	SHEET NO
TITLE SHEET	CVR	1	1
INDEX AND ABBREVIATIONS	IND	1	2
LEGEND, LINE AND POINT SYMBOLOGY	LEG	2	3
TYPICAL SECTIONS	TYP	1	5
GENERAL NOTES	GNN	1	6
EROSION CONTROL NOTES	ECN	1	7
MAINTENANCE/PROTECTION OF TRAFFIC PLANS	MPP	2	8
MISCELLANEOUS DETAILS	MSD	3	10
DRAINAGE TABLE	DRT	1	13
GENERAL PLANS	GNP	7	14
PROFILES	PRO	7	21
ESTIMATE OF QUANTITIES	EOQ	1	28
TOTAL SHEETS:			28

New York State Department of Transportation Standard Sheets

The following NYSDOT standard sheets marked with an "X" apply to this project.

		X	SHEET NO.	X	SHEET NO.	X	SHEET NO.	X	SHEET NO.	X	SHEET NO.	X	SHEET NO.	X	SHEET NO.
X	203-01		502-05		606-02		606-33		619-01		619-63		646-15		670-03
X	203-02	X	502-06	X	606-04		606-35		619-02		619-64		646-16		680-01
	203-03		502-07		606-05		606-36		619-04		619-65		649-02		680-02
X	203-04		502-08		606-06		606-37		619-10		619-66		649-03		680-03
	203-05		502-09		606-07		606-38		619-11		624-01		649-04		680-04
	204-01		502-10		606-08		606-40		619-12		625-01		655-01		680-05
X	209-01		502-11		606-09		606-41		619-20		630-01		655-02		680-06
	209-02		502-12		606-10		606-42		619-21		632-01	X	655-03		680-07
X	209-03		502-13		606-11		606-43		619-22	X	645-01		655-04		680-08
	209-04		502-14		606-13		606-44		619-23		645-02		655-05		680-10
	209-05		502-15		606-14		607-01		619-24		645-03		655-06		680-11
	209-06		554-01		606-15		607-04		619-30		645-05		655-07		680-12
	209-07		554-02		606-19		607-05		619-31		645-06		655-08		680-13
	212-01		601-01		606-20		607-06		619-32		645-07		663-01		680-14
	212-02	X	603-01		606-21		608-01		619-33		645-09		663-02		680-15
	212-03		603-02		606-22		608-02		619-34		645-10		663-03		680-16
	212-04		603-03		606-24	X	608-03		619-40	X	645-11		663-04		680-17
	212-05	X	603-04		606-25		608-07		619-41		645-12		663-05	X	685-01
X	402-01		603-05		606-27		609-01		619-50		645-14		663-06		
	502-01		604-01		606-28		609-02		619-51		646-11		663-07		
	502-02	X	604-02		606-29		609-03		619-60		646-12		664-01		
	502-03		605-01		606-31		609-04		619-61		646-13		670-01		
	502-04		606-01		606-32		611-01		619-62		646-14		670-02		

The officially adopted New York State Department of Transportation Standard Sheets book is available on the NYSDOT webs <https://www.dot.ny.gov/main/business-center/engineering/specifications/busi-e-standards-usc>

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED		CONTRACT NUMBER -----
	ROADWAY WIDENING				INDEX AND ABBREVIATIONS		DRAWING NO. IND-1  SHEET NO. 2
	TOWN OF AMSTERDAM						
	COUNTY: MONTGOMERY				REGION: 2		
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.					 GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS		 MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS

FILE NAME = ...\\2019066.01 oph\_leg-01.dgn  
DATE/TIME = 4/27/2022  
USER = mhacker

DESIGN SUPERVISOR C. CORNWELL

DESIGN M. HACKER

CHECK C. CORNWELL

DRAFTING M. HACKER

CHECK C. CORNWELL

PROJECT MANAGER C. CORNWELL

ALIGNMENT			LANDSCAPE			ROADWAY			TRAFFIC WORK ZONE		
STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION			
	AC	CONTROL (CENTERLINE)		LABL	AREA, BRUSH LINE		RCZ_P	CLEAR ZONE		TWZBT_P	BARRIER, TEMPORARY
	AD_P	DETOUR		LAHR	AREA, HEDGE ROW		RG	GUIDE RAIL, MISCELLANEOUS		TWZBTWL_P	BARRIER, TEMPORARY, W/ WARNING LIGHTS
	AT_P	TRANSITION CONTROL		LAPB	AREA, PLANTING BED		RGB	GUIDE RAIL, BOX BEAM		TWZCD_P	CHANNELIZING DEVICE
BRIDGE				LAWA	AREA, WOODED AREA OUTLINE		RGBM	GUIDE RAIL, BOX BEAM, MEDIAN		TWZPMRC_P	PAVEMENT MARKING REMOVAL OR COVERING
	BR	RAIL		LAW	AREA, WATERS EDGE		RGCB	GUIDE RAIL, CONCRETE BARRIER	UTILITIES		
	BSHT	SHEET PILING		LCUT_P	CUT LIMIT		RGCP	GUIDE RAIL, CABLE	STYLE	NAME	DESCRIPTION
CONTROL				LFILL_P	FILL LIMIT		RGW	GUIDE RAIL, W BEAM		UC	CONDUIT, UNDERGROUND
	CB	BASELINE		LFNC	FENCE		RGWM	GUIDE RAIL, W BEAM, MEDIAN		UCH	CONDUIT, HANGING
	CBPR	BASELINE, PROJECTION		LTRC	TREE ROW, CONIFEROUS		RPB	PARKING BUMPER		UCO	CONDUIT, OVERHEAD
DRAINAGE				LTRD	TREE ROW, DECIDUOUS		RRC	RAIL ROAD, CATENARY		UE	ELECTRIC LINE, UNDERGROUND
	DCP	CULVERT PIPE		LWH	WALL, H PILE		RRER	RAIL ROAD, 3RD RAIL		UEH	ELECTRIC LINE, HANGING
	DCP_P	CULVERT PIPE (DIR)		LWR	WALL, RETAINING		RRPLS_P	RAIL, PHOTO, LARGE SCALE		UEO	ELECTRIC LINE, OVERHEAD
	DDG_P	DITCH, GRASS LINED		LWS	WALL, STONE		RRPSS	RAIL, PHOTO, SMALL SCALE		UETO	ELECTRIC TRANSMISSION, OVERHEAD
	DDP_P	DITCH, PAVED INVERT	ROW MAPPING				RRSLS_P	RAIL, SURVEY, LARGE SCALE		UESS	ELECTRIC, SUBSTATIONS
	DDS_P	DITCH, STONE LINED		MDL	DEED LINE		RRSS	RUMBLE STRIP		UFO	FIBER OPTIC, UNDERGROUND
	DFL_P	FLOW LINE		MEE	EASEMENT, EXISTING		RRSLS_P	RAIL, SURVEY, LARGE SCALE		UFOH	FIBER OPTIC, HANGING
	DSSD	SLOTTED DRAIN		MEP_P	EASEMENT, PERMANENT		RRSSS	RAIL, SURVEY, SMALL SCALE		UFOO	FIBER OPTIC, OVERHEAD
	DUD_P	UNDERDRAIN		MEPA_P	EASEMENT, PERMANENT, APPROX.		SIGNS			UG	GAS, UNDERGROUND
ENVIRONMENTAL				MET_P	EASEMENT, TEMPORARY		SBLB	BILLBOARDS		UGH	GAS, HANGING
	EBLHS	BALE, STRAW		META_P	EASEMENT, TEMPORARY, APPROX.		SM	MULTIPLE POST		UGO	GAS, OVERHEAD
	ECT	CURTAIN, TURBIDITY		MF_P	FEE ACQUISITION, W/ ACCESS		SSO	STRUCTURE, OVERHEAD		UIC	INFORM CABLE, UNDERGROUND
	EDMC	DAM, COFFER		MFA_P	FEE ACQUISITION, APPROXIMATE		SSOC	STRUCTURE, OVHD. CANTILEVER		UICH	INFORM CABLE, HANGING
	EDMEC_P	DAM, EARTHEN CHECK		MFS_P	FEE ACQUISITION, SHAPE		STRIPING			UO	OIL LINE, UNDERGROUND
	EDMGSC_P	DAM, GRAVEL BAG/SAND BAG CHECK		MFWOA_P	FEE ACQUISITION, W/O ACCESS		STB*	BROKEN LINE		UOH	OIL LINE, HANGING
	EDMPC_P	DAM, PREFABRICATED CHECK		MHA	HISTORICAL, ACQUISITION		STDB*	DOUBLE BROKEN LINE		UPBP	POLE, BRACE, PUSH BRACE
	EDMSC_P	DAM, STONE CHECK		MHB	HIGHWAY BOUNDARY		STD*	DOTTED LINE LONG		UPGW	POLE, GUY WIRE
	EFNS	FENCE, SILT		MHBA	HIGHWAY BOUNDARY, APPROX.		STDL*	DOTTED LINE SHORT		USA	SANITARY SEWER, UNDERGROUND
	EFNSV	FENCE, SILT & VEGETATION		MHBW	HWY BOUNDARY, FACE OF WALL		STDS*	DOTTED LINE SHORT		USAH	SANITARY SEWER, HANGING
	EFNV	FENCE, VEGETATION		MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS		STFB*	FULL BARRIER LINE		USAF	SANITARY SEWER, FORCE MAIN, UGND
	EWAA_P	WETLAND, ADJACENT AREA		MJC	JURISDICTION, CITY		STH*	HATCH LINE		USAFH	SANITARY SEWER, FORCE MAIN, HANG
	EW	WETLAND, FEDERAL		MJCY	JURISDICTION, COUNTY		STPB*	PARTIAL BARRIER LINE		UT	TELEPHONE, UNDERGROUND
	EWFS	WETLAND, FEDERAL AND STATE		MJHD	JURISDICTION, HISTORIC DISTRICT		STRCT	ROUNDABOUT, CAT TRACKS		UTH	TELEPHONE, HANGING
	EWM	WETLAND, MITIGATION AREA		MJLL	JURIS., (GREAT, MILITARY) LOT LINE		STRYL	ROUNDABOUT, YIELD LINE		UTO	TELEPHONE, OVERHEAD
	EWS	WETLAND, STATE		MJN	JURISDICTION, NATION		STSB	STOP BAR		UTV	CABLE TV, UNDERGROUND

- THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
- FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
- FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
- PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.015 in ON B SIZE DRAWINGS).
- MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.
- FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

LANDSCAPE		
STYLE	NAME	DESCRIPTION
	LABL	AREA, BRUSH LINE
	LAHR	AREA, HEDGE ROW
	LAPB	AREA, PLANTING BED
	LAWA	AREA, WOODED AREA OUTLINE
	LAW	AREA, WATERS EDGE
	LCUT_P	CUT LIMIT
	LFILL_P	FILL LIMIT
	LFNC	FENCE
	LTRC	TREE ROW, CONIFEROUS
	LTRD	TREE ROW, DECIDUOUS
	LWH	WALL, H PILE
	LWR	WALL, RETAINING
	LWS	WALL, STONE
ROW MAPPING		
	MDL	DEED LINE
	MEE	EASEMENT, EXISTING
	MEP_P	EASEMENT, PERMANENT
	MEPA_P	EASEMENT, PERMANENT, APPROX.
	MET_P	EASEMENT, TEMPORARY
	META_P	EASEMENT. TEMPORARY, APPROX.
	MF_P	FEE ACQUISITION, W/ ACCESS
	MFA_P	FEE ACQUISITION, APPROXIMATE
	MFS_P	FEE ACQUISITION, SHAPE
	MFWOA_P	FEE ACQUISITION, W/O ACCESS
	MHA	HISTORICAL, ACQUISITION
	MHB	HIGHWAY BOUNDARY
	MHBA	HIGHWAY BOUNDARY, APPROX.
	MHBW	HWY BOUNDARY, FACE OF WALL
	MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS
	MJC	JURISDICTION, CITY
	MJCY	JURISDICTION, COUNTY
	MJHD	JURISDICTION, HISTORIC DISTRICT
	MJLL	JURIS., (GREAT, MILITARY) LOT LINE
	MJN	JURISDICTION, NATION
	MJPB	JURISDICTION, PUBLIC LANDS
	MJS	JURISDICTION, STATE
	MJT	JURISDICTION, TOWN
	MJV	JURISDICTION, VILLAGE
	MPL	PROPERTY LOT LINE
	MPLA	PROPERTY LOT LINE, APPROXIMATE
	MSL	SUB LOT LINE

AS-BUILT REVISIONS  
DESCRIPTION OF ALTERATIONS:

LEPPER ROAD (CR 20)

ROADWAY WIDENING

TOWN OF AMSTERDAM

COUNTY: MONTGOMERY

REGION: 2

PIN  
CR 20  
UTILQLVL = C

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

LEGEND, LINE AND POINT SYMBOLOGY

DRAWING NO. LEG-1

SHEET NO. 3

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.

**GPI** GREENMAN-PEDERSEN, INC.  
CONSULTING ENGINEERS



MONTGOMERY COUNTY  
DEPARTMENT OF PUBLIC WORKS

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	ACCOU. 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						
	ADPI_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 TRANSCEIVER		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						
	AEQNAHD	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		DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = 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		DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R		ICPB	COMMUNICATION PULL BOX		MEPSP_P	EASEMENT, PERM., SHAPE		SRSCT2	SHLD, CTY TOUR, 1-2 DIG.		UGV	GAS, VALVE						
	APC	POINT OF CURVATURE		DST"X"_P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U		ICTD	CONDUIT TURNING DOWN		MFAP_P	FEE ACQUISITION, APPROX.		SRSCT4	SHLD, CTY TOUR, 3-4 DIG.		UGVT	GAS, VENT						
	APCC	POINT OF COMPOUND CURVATURE	ENVIRONMENTAL				ICTU	CONDUIT TURNING UP		MFP_P	FEE ACQUISITION, BACK LINE		SRSI	SHLD, INTERSTATE		ULP	LIGHTING, POLE						
	API	POINT OF INTERSECTION					ICVTRT	COMM. VEH. ROAD TRANSCEIVER		MFSP_P	FEE ACQUISITION, SHAPE		SRSN2	SHLD, NATIONAL, 2 DIG.		ULPM	LIGHTING, POLE, MEDIAN						
	APOB	POINT OF BEGINNING		IDEFAULT	DEFAULT		MHBAP	HIGHWAY BNDRY., APPROX.		SRSN3	SHLD, NATIONAL, 3 DIG.		ULPP	LIGHTING, POLE, PED.	TRAFFIC CONTROL								
	APOC	POINT OF CURVATURE		IEZR	E-ZPASS READER		MHBCP	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	TRAFFIC CONTROL								
	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					UPL	POLE, WITH LIGHT									
	APOVC	POINT ON VERTICAL CURVE		IHARST	HAR SITE		MPDH	PT., DRILL HOLE		TCBJ	BOX, JUNCTION		USMH	SANITARY SEWER MANHOLE									
	APOVT	POINT ON VERTICAL TANGENT		ILC	LOAD CENTER		MPF	PT., FENCE LOCATION		TCBP	BOX, PULL BOX		UTB	TELEPHONE, BOOTH									
	APORC	POINT ON REVERSE CURVE		IMECSPL	MECHANICAL SPLICE		MPIP	PT., IRON PIPE		TCBS	BOX, SPLICE		UTLM	TELEPHONE, LINE MARKER									
	APT	POINT OF TANGENCY		IMSCS	PORT. SPEED & COUNT SENSOR		MPIR	PT., IRON ROD		TCMC	MICROCOMPUTER CABINET		UTMH	TELEPHONE, MANHOLE									
	APVC	POINT OF VERTICAL CURVATURE		IMSCTS	MICRO SPEED & COUNT SENSOR		MPM	PT., MONUMENT		TCPP	PED POLE		UTVLM	CABLE TV, LINE MARKER									
	APVCC	POINT OF VERT. CMPND CURVE		IMT	MICROWAVE TRANSCEIVER		MPMM	PT., MONUMENT, MISC.		TCSH	SIGNAL HEADS		UTVPB	CABLE TV, PULL BOX									
	APVI	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. ACCOU. SPD & CNT. SENSOR		MPRS	PT., RAILROAD SPIKE	TRAFFIC WORK ZONE				UUJB	UNKNOWN, JUNCTION BOX									
	APVT	POINT OF VERTICAL TANGENCY		IPEDS	PEDESTRIAN SIGNAL HEAD		MPST	PT., SPIKE					UUMH	UNKNOWN, MANHOLE									
	ASC	SPIRAL TO CURVE		IPSS	PAVEMENT SURFACE SENSOR		MPTW	PT., STAKE		TWZAP_P	ARROW PANEL		UUPB	UNKNOWN, PULL BOX									
	ASPI	SPIRAL POINT OF INTERSECTION		IPVMS	PERM. VMS		MPWL	PT., TREE W/ WIRE		TWZAPT_P	ARROW PANEL, TRAILER OR SUPPORT		UUVL	UNKNOWN, VALVE									
	ASTS	SPIRAL TO SPIRAL		IRM	RAMP METER	ROW ACQUISITION				TWZBCD_P	BARRICADE (TYPE IID)		UUVT	UNKNOWN, VENT									
	AST	SPIRAL TO TANGENT		IRWIS	RDWY WEATHER INFO. SENSOR					TWZCMS_P	CHANGEABLE MESSAGE SIGN (PVMS)		UUW	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. TRANSCEIVER		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	EASEMENT, TEMPORARY		TWZLUM_P	LUMINAIRE (TEMPORARY)		UVV	WATER, VALVE									
BRIDGE				IVTRT	VEHICLE TO RDWY TRANSCEIVER		METS_P.T	OCCUPANCY, TEMPORARY		TWZSDT_P	SYMBOL, DIRECTION OF TRAFFIC		UWW	WATER, WELL									
				IWMD	WEIGHT IN MOTION DETECTOR		MFS_P.T	FEE ACQUISITION W/O ACCESS		TWZSDTD_P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR												
	LTD	TREE, DECIDUOUS		IWVR	WIRELESS VIDEO REPEATER	ROADWAY				TWZSGN_P	SIGN (TEMPORARY)	SEE LEG-1 FOR NOTES.											
	LTS	TREE, STUMP		IWVRC	WIRELESS VIDEO RECEIVER					TWZSIG_P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)												
	LTW_P	TREE, WELL OR WALL		IWVTT	WIRELESS VIDEO TRANSMITTER		TWZWL_P	WARNING LIGHT															
+	LUKP	UNKNOWN POINT	RES_P							TWZWV_P	WORK VEHICLE												
CONTROL									SEE LEG-1 FOR NOTES.							TWZWVA_P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR						
	CBP	BASELINE, POINT													LEGEND, LINE AND POINT SYMBOLOLOGY								
	CBPOL	BASELINE, POINT ON LINE																					
	CBSP	BASELINE, SPUR POINT																					
	CBTP	BASELINE, TIE POINT																					
	CPBM	BENCHMARK																					
	CPH	POINT, HORIZ. PHOTOGRAMMETRY																					
	CPSM	POINT, SURVEY MARKER, PERM.																					
	CPSV	POINT, VERT., PHOTOGRAMMETRY																					
FEBRUARY 3, 2022																							
FEBRUARY 3, 2022																							

AS-BUILT REVISIONS  
DESCRIPTION OF ALTERATIONS:

WILBUR AVENUE REPAVING PROJECT

800 FEET SOUTH OF GREENKILL AVENUE TO

200 FEET NORTH OF W O'REILLY STREET

PIN 8762.02  
NYS 213

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

CONTRACT NUMBER  
D036479

LEGEND, LINE AND POINT SYMBOLOLOGY

DRAWING NO. LEG-2

AS-BUILT REVISIONS  
DESCRIPTION OF ALTERATIONS:

WILBUR AVENUE REPAVING PROJECT

800 FEET SOUTH OF GREENKILL AVENUE TO

200 FEET NORTH OF W O'REILLY STREET

CITY OF KINGSTON

COUNTY: ULSTER

PIN 8762.02  
NYS 213

REGION: 8

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

LEGEND, LINE AND POINT SYMBOLOLOGY

CONTRACT NUMBER  
D036479

DRAWING NO. LEG-2  
SHEET NO. 4

GPI

Greenman-Pedersen, Inc.  
15 Railroad Ave., Suite 301  
Kingston, NY 12401  
845.203.1280 | GPINET.COM

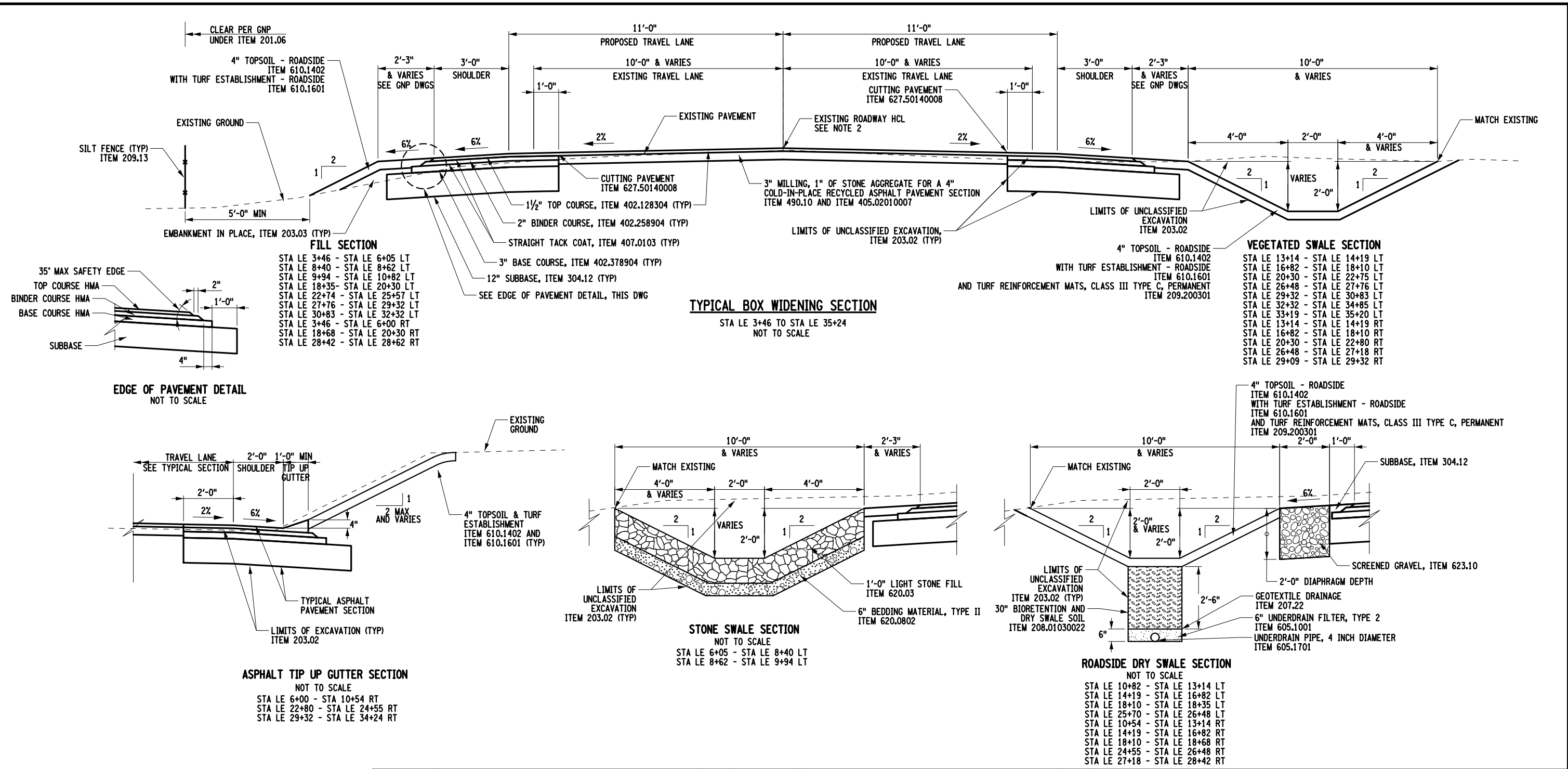
CITY OF KINGSTON


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.



FILE NAME = \\2019066.01 oph\_typ-1.dgn  
DATE/TIME = 4/27/2022  
USER = mhacker

DESIGN SUPERVISOR C. CORNWELL  
JOB MANAGER F. MASTROIANNI  
DESIGN M. HACKER  
CHECK C. CORNWELL  
DRAFTING M. HACKER  
CHECK C. CORNWELL  
PROJECT MANAGER C. CORNWELL



ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT	NOTES:		
201.06	CLEARING AND GRUBBING	LS	405.02010007	COLD RECYCLING ASPHALT CONCRETE	SY	1. TACK COAT (ITEM 407.0103) SHALL BE PROVIDED BETWEEN EACH PAVEMENT LIFT IN ACCORDANCE WITH THE SPECIFICATIONS.  2. ROADWAY HORIZONTAL AND VERTICAL CONTROL LINES SHOWN IN PLANS ARE BEST MATCH TO EXISTING CONDITIONS AS DETERMINED BY SURVEY. THE CONTRACTOR SHALL MATCH EXISTING ROADWAY CENTERLINE AS FOUND IN FIELD.  3. VERTICAL TARGET GRADE LINE SHALL BE 4 INCHES GREATER THAN THE EXISTING CONDITION TO ACCOUNT FOR MILLING AND ADDITION OF STONE AGGREGATE TO THE EXISTING ROADWAY. THE CONTRACTOR SHALL USE ITEM 402.018904, TRUING & LEVELING F9, HMA, 80 SERIES COMPACTION, AS NEEDED TO RESTORE 2% TRAVELWAY CROSS SLOPE.		
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	407.0103	STRAIGHT TACK COAT	GAL			
203.03	EMBANKMENT IN PLACE	CY	490.10	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE	SY			
207.22	GEOTEXTILE DRAINAGE	SY	605.1001	UNDERDRAIN FILTER TYPE 2	CY			
208.01030022	BIORETENTION AND DRY SWALE SOIL	CY	605.1701	OPTIONAL UNDERDRAIN PIPE, 4 INCH DIAMETER	LF			
209.13	SILT FENCE - TEMPORARY	LF	610.1402	TOPSOIL - ROADSIDE	CY			
209.200301	TURF REINFORCEMENT MATS, CLASS III TYPE C, PERMANENT	SY	610.1601	TURF ESTABLISHMENT - ROADSIDE	SY			
304.12	SUBBASE COURSE, TYPE 2	CY	620.03	STONE FILLING (LIGHT)	CY			
402.018904	TRUING & LEVELING F9, HMA, 80 SERIES COMPACTION	SY	620.0802	BEDDING MATERIAL, TYPE 2	CY			
402.128304	12.5 F3 TOP COURSE HMA, 80 SERIES COMPACTION	TON	623.10	SCREENED GRAVEL (IN-PLACE MEASURE)	CY			
402.258904	25 F9 BINDER COURSE HMA, 80 SERIES COMPACTION	TON	627.50140008	CUTTING PAVEMENT	LF			
402.378904	37.5 F9 BASE COURSE HMA, 80 SERIES COMPACTION	TON						
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:		LEPPER ROAD (CR 20)			BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----
		ROADWAY WIDENING						TYPICAL SECTIONS
		TOWN OF AMSTERDAM						
		COUNTY: MONTGOMERY REGION: 2						
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.						GPI GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS		 MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS



FILE NAME = ...\\2019066.01 oph.gmn-1.dgn  
DATE/TIME = 4/27/2022  
USER = mhacker

DESIGN SUPERVISOR C. CORNWELL

DESIGN M. HACKER

CHECK C. CORNWELL

DRAFTING M. HACKER

CHECK C. CORNWELL

PROJECT MANAGER C. CORNWELL

GENERAL NOTES

1. MATERIAL AND CONSTRUCTION SPECIFICATIONS: "STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS". NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) OFFICE OF ENGINEERING, DATED MAY 1, 2022 WITH CURRENT ADDITIONS AND MODIFICATIONS, SHALL BE IN EFFECT FOR THIS PROJECT.
2. CURRENT NATIONAL "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) WITH NEW YORK STATE SUPPLEMENT SHALL BE IN EFFECT FOR THIS PROJECT.
3. ADDITIONAL NOTES MAY BE FOUND ON SUBSEQUENT DRAWINGS. SUCH NOTES, WHILE PERTAINING TO THE SPECIFIC DRAWING THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
4. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF THE WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT. 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 THE WORK IN ACCORDANCE WITH THE FIELD CONDITIONS AND A.O.B.E.
5. THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD ALL EXISTING CONDITIONS AND DIMENSIONS WITH THOSE SHOWN ON THE PLANS. THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS, AND MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS AS APPROVED BY THE ENGINEER. THE RESULTS OF THIS CHECK OF CONDITIONS AND DIMENSIONS SHALL BE SO NOTED ON THE DRAWINGS SUBMITTED FOR APPROVAL.
6. THERE SHALL BE NO CLAIM AGAINST THE COUNTY BY THE CONTRACTOR FOR WORK PERTAINING TO MODIFICATIONS AS MAY BE REQUIRED DUE TO ANY DIFFERENCE BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN BY THE DETAILS AND DIMENSIONS ON THE CONTRACT PLANS. THE CONTRACTOR WILL BE PAID AT THE UNIT BID PRICE FOR THE ACTUAL QUANTITIES OF MATERIALS USED OR FOR THE WORK PERFORMED, AS INDICATED BY THE VARIOUS ITEMS IN THE CONTRACT.
7. AT ALL TIMES, THE CONTRACTOR SHALL TAKE MEASURES TO PROVIDE POSITIVE DRAINAGE OF SURFACE RUNOFF FROM THE TRAVEL LANES AND CONTROL OF THE RUNOFF TO PREVENT EROSION, POLLUTION, SEDIMENTATION OR OTHER DISCHARGES WHICH WOULD AFFECT PROPERTIES ADJACENT TO THE WORK SITE. ALL MEASURES TAKEN TO PROVIDE POSITIVE DRAINAGE SHALL BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS IN THE CONTRACT.
8. THE CONTRACTOR SHOULD NOTE THAT ADDITIONAL WORK MAY BE REQUIRED AS THE CONTRACT PROGRESSES WHICH IS NOT SHOWN OR NOTED ON THE PLANS. THIS WORK SHALL BE PERFORMED BY THE CONTRACTOR AS ORDERED BY THE ENGINEER AND PAYMENT SHALL BE MADE IN ACCORDANCE WITH SECTION 100 OF THE NYSDOT STANDARD SPECIFICATIONS BOOK.
9. NO PAYMENT SHALL BE MADE FOR WORK CALLED FOR BY NOTES ON THE PLANS, 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 UNIT PRICES BID FOR THE VARIOUS ITEMS IN THE CONTRACT.
10. WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE PRICE BID FOR THOSE ITEMS.
11. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORTS, BRACING OR OTHER DEVICES THAT MAY BE REQUIRED OR THAT MAY BE DIRECTED BY THE ENGINEER TO PROTECT THE SAFETY OF ADJACENT STRUCTURES, ROADWAYS OR THE VARIOUS ITEMS IN THE CONTRACT. NO SEPARATE PAYMENT SHALL BE MADE.
12. PAVED AREAS DISTURBED BY THE CONTRACTOR AS PART OF WORK TO BE PERFORMED UNDER THIS CONTRACT, SHALL BE RESTORED TO AN ACCEPTABLE CONDITION AS SPECIFIED BY AND SATISFACTORY TO THE ENGINEER.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GUARDING AND PROTECTING ALL OPEN EXCAVATIONS IN ACCORDANCE WITH THE PROVISIONS OF SECTION 107.05 "SAFETY & HEALTH REQUIREMENTS" OF THE NYSDOT STANDARD SPECIFICATIONS. IN ADDITION, A MINIMUM OF 1-INCH THICK PLATE WILL BE REQUIRED OVER ALL EXCAVATIONS THAT ARE TO BE COVERED (A.O.B.E.). THE PLATES SHALL BE SECURELY FASTENED DOWN TO THE SATISFACTION OF THE ENGINEER AND SHALL BE STRUCTURALLY CAPABLE OF CARRYING ALL IMPOSED LOADS. THE COST SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
14. THE CONTRACTOR SHALL KEEP ALL DRAINAGE FACILITIES, WITHIN THE CONTRACT LIMITS, CLEAN AND FULLY OPERATIONAL AT ALL TIMES (A.O.B.E.). THIS WORK SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
15. THE CONTRACTOR SHALL PROVIDE SURVEY AND STAKEOUT AS REQUIRED AND IN ACCORDANCE WITH SECTION 625 OF THE STANDARD SPECIFICATIONS. COST FOR THIS WORK SHALL BE INCLUDED UNDER ITEM 625.01-SURVEY OPERATIONS.
16. THE CONTRACTOR IS TO VISIT THE SITE BEFORE BIDDING TO BECOME FAMILIAR WITH THE PRESENT CONDITIONS AND TO JUDGE THE EXTENT AND NATURE OF THE WORK TO BE DONE UNDER THIS CONTRACT. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF FAILURE TO INCLUDE IN THE BID ALL ITEMS AND MATERIALS WHICH ARE REQUIRED TO BE FURNISHED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
17. THE CONTRACTOR IS REQUIRED TO PROTECT WORKERS AT ALL TIMES IN CONFORMANCE WITH APPLICABLE OSHA REGULATIONS.

18. DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT WORK IN SUCH A MANNER AS TO PREVENT OR REDUCE TO A MINIMUM, ANY DAMAGE TO THE VARIOUS WATER BODIES FROM POLLUTION BY DEBRIS, SEDIMENT OR OTHER FOREIGN MATERIALS, OR FROM MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR SUCH STREAMS. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO A STREAM ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL OR OTHER IMPURITIES.
19. WATERING NEEDED FOR VEGETATION AND OTHER LANDSCAPING ITEMS SHALL BE INCLUDED UNDER EACH RESPECTIVE ITEMS IN THE CONTRACT.
20. DETAILS ON THE DRAWINGS LABELED AS 'NOT TO SCALE' ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONALLY AND ARE FULLY DIMENSIONED.

UTILITY NOTES

1. LOCATION OF UTILITIES, PUBLIC AND/OR PRIVATE, INDICATED ON THE PLANS AS EXISTING AND/OR TO BE CONSTRUCTED ARE APPROXIMATE ONLY. THEIR EXACT LOCATIONS 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 ALL 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 ANY EXCAVATION, THE CONTRACTOR IS TO CALL DIG SAFELY N.Y. TO HAVE UNDERGROUND UTILITIES LOCATED.
2. IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE, CAUSING THE INTERRUPTION IN SAID SERVICE, THE CONTRACTOR SHALL IMMEDIATELY COMMENCE WORK TO RESTORE SERVICE AND MAY NOT CEASE WORK UNTIL SERVICE IS RESTORED. ALL COSTS TO REPAIR OR REPLACE DAMAGED UTILITIES SHALL BE AT THE EXPENSE OF THE CONTRACTOR. IF THE CONTRACTOR DOES NOT MAKE IMMEDIATE NECESSARY REPAIRS, THE RESPECTIVE OWNING COMPANIES OR MUNICIPAL FORCES MAY DO THE WORK, AND THE COST THEREOF CHARGED AGAINST THE CONTRACTOR.
3. THE CONTRACTOR SHALL MAKE EXPLORATIONS AS MAY BE NECESSARY TO DETERMINE THE DIMENSIONS AND LOCATIONS OF LINES THAT MAY BE SUBJECT TO DAMAGE. COST TO BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
4. PRIVATE UTILITY COMPANIES ARE ALSO REQUIRED TO ALTER/RELOCATE THEIR FACILITIES WITHIN THE PROJECT LIMITS. IT IS ANTICIPATED THAT THIS WORK SHALL BE COMPLETED PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MAY BE REQUIRED TO LAYOUT THE PROJECT CENTERLINE AND OTHER FEATURES TO PROVIDE THE UTILITY COMPANIES WITH SUFFICIENT INFORMATION TO ALTER/RELOCATE THEIR FACILITIES. THE COST OF THIS WORK SHALL BE INCLUDED UNDER ITEM 625.01.
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONTACTING THE POWER COMPANY FOR PROVIDING RESTRAINTS TO THE EXISTING UTILITY POLES IF REQUIRED WITHIN THE WORK LIMITS, WHILE CONSTRUCTION IS TAKING PLACE. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO PERFORM THE WORK. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS.
6. THE UNDERGROUND UTILITY INFORMATION SHOWN ON THE PLANS IS BASED UPON THE FOLLOWING:  

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 THE SUBSURFACE UTILITIES, USING (TYPICALLY) MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO DETERMINE THEIR PRECISE HORIZONTAL AND VERTICAL POSITIONS, AS WELL AS THEIR OTHER OWN FACILITY ATTRIBUTES. (SHOWN AS QLA)

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 OUTS, 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 DEPICTION. THE INFORMATION WAS SURVEYED TO APPLICABLE TOLERANCES AND REDUCED ONTO THE PLANS. NO EXCAVATIONS WERE PERFORMED. (SHOWN AS QLB)

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 JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION. (SHOWN AS QLC)

QUALITY LEVEL D IS THE LOWEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS WAS DERIVED SOLELY FROM EXISTING NYSDOT AND/OR UTILITY COMPANY RECORDS OR RECOLLECTIONS. (SHOWN AS QLD)
7. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND UTILITIES, TO REMAIN IN PLACE, FROM DAMAGE DURING THE CONSTRUCTION. METHODS OF PROTECTION MAY INCLUDE STEEL PLATES OVER THE UTILITY SO THAT WHEEL LOADINGS FROM CONSTRUCTION VEHICLES DO NOT DAMAGE THE UTILITY. THE COST OF PROVIDING PROTECTION OF UNDERGROUND UTILITIES SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
8. ALL UTILITY POLES TO BE RELOCATED BY OTHERS SHALL BE APPROVED BY THE COUNTY SO THERE ARE NO CONFLICTS DURING CONSTRUCTION.

ENVIRONMENTAL PERMITS

1. THE CONTRACTOR SHALL COMPLY WITH ALL ENVIRONMENTAL PERMIT REQUIREMENTS PROVIDED IN THE CONSTRUCTION DOCUMENTS. COST TO BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.

TREE CUTTING RESTRICTIONS

1. IN ORDER TO PREVENT ANY DIRECT IMPACT OF INDIANA BAT (MYOTIS SODALIS), AND NORTHERN LONG-EARED BAT (MYOTIS SEPTENTRIONALIS), BOTH FEDERAL AND STATE LISTED ENDANGERED SPECIES, THE CONTRACTOR'S ATTENTION IS HEREBY DIRECTED TO THE FACT THAT TREE CUTTING RESTRICTIONS APPLY TO TREES THAT ARE 3 INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT (DBH).
2. DUE TO THE POSSIBLE PRESENCE OF PROTECTED BAT SPECIES, THE CONTRACTOR SHALL BE AWARE THAT TREES 3" DIAMETER OR LARGER MEASURED AT BREAST HEIGHT CAN ONLY BE CUT FROM NOVEMBER 1 TO MARCH 31. NO TREE CUTTING WILL OCCUR FROM APRIL 1 TO OCTOBER 31.
3. THE CONTRACTOR SHALL REMOVE ALL UNDERLYING VEGETATION INCLUDING STUMPS AND DOWNED TREES UNDER VARIOUS TREE REMOVAL ITEMS.

RIGHT-OF-WAY

1. UNLESS OTHERWISE SHOWN IN THE PLANS, ALL CONTRACT WORK SHALL BE PERFORMED FROM AND WITHIN THE PUBLIC RIGHT-OF-WAY (ROW), INCLUDING ANY GRADING RELEASES. THE CONTRACTOR IS TO INSURE ALL WORK IS 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 THIS INSTALLATION OF TURF; AND THE INSTALLATION OF ANY FENCES OR PROTECTIVE BARRIER.
2. IF THE CONTRACTOR IS UNABLE TO IDENTIFY THE LIMITS OF THE RIGHT-OF WAY WHEN THE CONTRACT CALLS FOR WORK IN THOSE VICINITIES, THE CONTRACTOR MUST CONTACT THE PROJECT ENGINEER FOR DEFINITIVE BOUNDARY DETERMINATION BEFORE ANY WORK MAY BE INITIATED AT THOSE LOCATIONS (STANDARD SPECIFICATIONS 105-10 & 625).
3. IN ACCORDANCE WITH SECTION 105-15 OF THE STANDARD SPECIFICATIONS, RELEASES FOR ANY NON-ESSENTIAL CONTRACT WORK OUTSIDE OF THE EXISTING RIGHT-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 BUILDING OUTSIDE OF THE RIGHT-OF-WAY FOR ANY REASON WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE PROPERTY OWNER (STANDARD SPECIFICATIONS 105-15).
4. THE CONTRACTOR WILL BE HELD LIABLE FOR ANY DAMAGES DONE. ANY SUCH INJURIES OR DAMAGES SHALL BE SATISFACTORILY REPAIRED OR ITEMS REPLACED AT THE CONTRACTOR'S EXPENSE (STANDARD SPECIFICATION 107-08 AND 107-09).
5. THE CONTRACTOR SHALL ACQUIRE ANY RELEASES OR PROPERTY RIGHTS THAT ARE NEEDED FOR THEIR OWN BENEFIT (I.E., EQUIPMENT STORAGE, MATERIAL STOCK PILES, ETC.).

AFFIX SEAL: GREENMAN - PEDERSEN, INC  
ON: 4/5/2022

ALTERED BY:  
ON:

STATE OF NEW YORK  
GREENMAN PEDERSEN INC.  
No. 131  
LICENSED PROFESSIONAL ENGINEER

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----
	ROADWAY WIDENING				GENERAL NOTES	DRAWING NO. GNN-1 SHEET NO. 6
	TOWN OF AMSTERDAM					
	COUNTY: MONTGOMERY REGION: 2					
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.					<div><div>GPI</div><div>GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS</div></div>	<div><div></div><div>MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS</div></div>

STORMWATER POLLUTION PREVENTION AND TEMPORARY SOIL EROSION AND SEDIMENT CONTROL - GENERAL REQUIREMENTS

1. THE CONTRACTOR SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE EROSION AND SEDIMENT CONTROL PLANS FOR THIS CONTRACT AT ALL TIMES. WHENEVER SILTATION OR TURBIDITY IS DETECTED IN RECEIVING WATERS, WORK SHALL STOP AND CORRECTIVE MEASURES TAKEN TO STOP THE POLLUTION FROM OCCURRING. ALL MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT STABILIZATION IS OBTAINED.
2. ALL SEDIMENT AND EROSION CONTROL WORK REQUIRED BY THE CONTRACT DOCUMENTS WILL BE COMPLETED UNDER THE PROVISIONS OF SECTION 209 - "TEMPORARY SOIL EROSION AND SEDIMENT CONTROL" AND ITEMS IN THE CONTRACT, WITH THE EXCEPTION OF WORK COMPLETED UNDER SEPARATE NON EROSION PAY ITEMS PROVIDED IN THIS CONTRACT.
3. THE CONTRACTOR'S ATTENTION IS ALSO DIRECTED TO SECTION 107-12 "WATER QUALITY PROTECTION" OF THE SPECIFICATIONS. ANY ACTIVITY OR REVISION TO THE CONTRACT INITIATED BY THE CONTRACTOR SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF SECTION 107-12 UNLESS OTHERWISE ORDERED BY THE ENGINEER.
4. THE CONTRACTOR SHALL PREPARE A SCHEDULE FOR ACCOMPLISHING TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL WORK IN ACCORDANCE WITH SECTIONS 107-12 AND 209 OF THE SPECIFICATIONS. THE CONSTRAINTS OF SECTION 209 OF THE SPECIFICATIONS SHALL BE REFLECTED IN THE ESTIMATED DATE FOR COMPLETING PERMANENT EROSION AND SEDIMENT CONTROL WORK. PARTICULAR ATTENTION IS DIRECTED TO THE REQUIREMENTS THAT FINAL GRADING AND PERMANENT SEEDING OF DISTURBED AREAS OF THE CONTRACT OCCUR PROGRESSIVELY THROUGH CONSTRUCTION PERIOD. PERMANENTLY STABILIZE COMPLETED AREAS WHENEVER IT IS REASONABLE TO AS DETERMINED BY THE ENGINEER.
5. THE CONTRACTOR SHALL PERFORM NECESSARY WORK TO ISOLATE CONSTRUCTION WORK AREAS AND ACTIVITIES, STAGING AREAS, PLATFORMS, OR OTHER AREAS TO BE DISTURBED FROM WATER COURSES PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL STABILIZE DISTURBED AREAS WITH APPROVED TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IN ACCORDANCE WITH SECTION 209-3.04 - TEMPORARY SEED AND MULCH.
6. THE CONTRACTOR SHALL CONDUCT WEEKLY INSPECTIONS OF TEMPORARY SEDIMENT AND POLLUTION CONTROL PRACTICES. SEEDED AND MULCH AREAS, EROSION CONTROL BLANKETS, OR OTHER CONTRACT WORK TO ENSURE THAT IT IS FUNCTIONING AS REQUIRED AND IS IN GOOD CONDITION. THE CONTRACTOR SHALL PROVIDE A WRITTEN REPORT OF THIS INSPECTION TO THE ENGINEER. WITHIN 24 HOURS AND, AS DIRECTED BY THE ENGINEER, SHALL MAKE APPROPRIATE CORRECTIONS AND REPLACEMENTS OR PERFORM MAINTENANCE (INCLUDING THE REMOVAL OF ACCUMULATED SILT) BY CLOSE OF BUSINESS ON THE DAY FOLLOWING THE INSPECTION, WHICH IS FRIDAY FOR WEEKLY INSPECTIONS. THE DESIGNATED DAY FOR WEEKLY INSPECTIONS FOLLOW- UP WORK AND REPORTS SHALL BE ADJUSTED APPROPRIATELY TO ACCOMMODATE FOR HOLIDAYS.
7. THE CONTRACTOR SHALL MAINTAIN THE EXISTING DRAINAGE SYSTEMS SO THAT THEY REMAIN FREE OF SEDIMENT AND DEBRIS DURING THE COURSE OF CONSTRUCTION. COST TO BE INCLUDED UNDER VARIOUS TEMPORARY SOIL EROSION CONTROL ITEMS. NO SEPARATE PAYMENT WILL BE MADE.
8. SOIL EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO STARTING THE CLEARING AND GRUBBING OPERATIONS AND EARTHWORK CONSTRUCTION. ALL APPROPRIATE DEVICES SHALL REMAIN IN PLACE UNTIL NEW SLOPES AND EXPOSED EARTHEN SURFACES ARE STABILIZED A.O.B.E. TEMPORARY SOIL EROSION DEVICES MAY BE LEFT IN PLACE AT COMPLETION OF THIS CONTRACT WITH PERMISSION OF THE ENGINEER. ALL OTHER DEVICES SHALL BE REMOVED AND THE DISTURBED AREA RESTORED UNDER SECTION 107-12 THE STANDARD SPECIFICATIONS, UNLESS OTHERWISE NOTED IN THE PLANS.
9. ALL STOCKPILES OF ERODIBLE MATERIAL SHALL BE RINGED WITH SEDIMENT FILTER LOGS. ALL RUNOFF SHALL BE DIVERTED TO AN APPROPRIATE SEDIMENT CONTROL STRUCTURE. STOCKPILES EXPOSED FOR LONGER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY MULCH ITEM 209.1003, OR OTHER MEANS OF TEMPORARY STABILIZATION.
10. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF ANY APPLICABLE FEDERAL OR STATE CERTIFICATIONS/PERMITS THAT PERTAIN TO THIS PROJECT.
11. ANY WORK WITHIN A WATER BODY SHALL BE LIMITED TO THE WORK AREA LIMITS SHOWN ON THE CONTRACT DOCUMENTS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND TAKE APPROPRIATE MEASURES TO PREVENT CONTAMINATION OF ALL WATER BODIES BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS OR PAINT CONCRETE OR LEACHATE, DUST OR ANY OTHER POLLUTION ASSOCIATED WITH THE CONTRACTOR'S OPERATIONS.
13. DURING CONCRETE POURING, NO FRESH CONCRETE LEACHATE, OR WASH WATER SHALL BE ALLOWED TO ENTER INTO ANY WATER BODY. POLLUTED WATER SHALL BE COLLECTED IN DESIGNATED CONCRETE WASHOUT AREAS AND TRANSPORTED TO AN OFF-SITE, APPROVED WASTE TREATMENT FACILITY OR DISPOSAL SITE.


14. IF EARTHWORK IS PROPOSED ON SLOPES A SILT FENCE (ITEM 209.13) SHALL BE PLACED ALONG A CONTINUOUS CONTOUR BETWEEN PROPOSED DISTURBED AREAS AND ANY EXISTING DRAINAGE DITCH, WATER COURSE, OR IMPOUNDMENT PRIOR TO EARTH EXCAVATION OR DISTURBANCE ACTIVITIES UNLESS OTHERWISE APPROVED BY THE ENGINEER. SILT FENCE SHALL BE MAINTAINED IN GOOD CONDITION UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED WITH TURF OR OTHER EROSION RESISTANT MATERIALS AS SPECIFIED IN THE CONTRACT DOCUMENTS.
15. OTHER EROSION PROTECTION MEASURES OR STRUCTURES MAY BE REQUIRED AS CONDITIONS WARRANT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE PROTECTION FOR ANY WATER BODY ADJACENT TO OR DOWN GRADIENT FROM THE PROJECT, AND TO PROTECT ADJACENT PROPERTIES FROM DAMAGE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED WITH TURF OR OTHER PERMANENT MEASURES AS CALLED FOR IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REPLACE OR REPAIR POLLUTION CONTROL STRUCTURES THAT FAIL AS QUICKLY AS POSSIBLE. THE CONTRACTOR SHALL BE PAID FOR THE WORK SPECIFIED IN THE CONTRACT DOCUMENTS UNDER APPROPRIATE PAYMENT ITEMS IN ACCORDANCE WITH THE PROVISIONS OF SECTION 209 OF THE SPECIFICATIONS. MULCH APPLIED FOR PERMANENT SEEDING SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 610.1601 - TURF ESTABLISHMENT - ROADSIDE.
16. IN THE EVENT DEWATERING OPERATIONS BECOME NECESSARY, A SETTLING BASIN WILL BE REQUIRED UNLESS THE PUMP DISCHARGE IS FREE AND CLEAR OF SEDIMENT A.O.B.E. THE LOCATION AND DESIGN SHALL BE APPROVED BY THE ENGINEER. ALL COSTS TO BE INCLUDED IN THE UNIT BID PRICE OF VARIOUS EROSION CONTROL ITEMS. NO SEPARATE PAYMENT WILL BE MADE.
17. IN ADDITION TO THE DETAILS AND SPECIFICATIONS PROVIDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REFER TO THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS FOR ADDITIONAL INFORMATION REGARDING THE INTENDED PURPOSE, DESIGN CRITERIA, AND MATERIAL SPECIFICATIONS.
18. EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE NYSDOT STANDARD SHEETS.
19. THE CONTRACTOR SHALL GRADE AND TRIM ALL SLOPES AS THE EXCAVATION PROGRESSES AND AT A MINIMUM MULCH ALL FINAL GRADED SLOPES WITHIN TWO DAYS OR AS ORDERED BY THE ENGINEER.
20. ANY SCHEME PROPOSED BY THE CONTRACTOR TO ACCOMPLISH EROSION PREVENTION AND SEDIMENT CONTROL SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.
21. GRAVEL BAGS IF PROVIDED SHALL BE AS DESCRIBED IN SECTION 209-2.09 EXCEPT THAT ONLY GRAVEL FILL IS ACCEPTABLE. GRAVEL FILL SHALL BE FREE OF SILT AND GRAVEL BAGS WILL BE REMOVED IN THEIR ENTIRETY AT THE COMPLETION OF THE PROJECT. NO SAND BAGS WILL BE ALLOWED IN PLACE OF GRAVEL BAGS.
22. THE CONTRACTOR, AS PART OF THE WORK TO BE PERFORMED SHALL NOT IMPACT THE EXISTING WATER FLOW IN ANY WATER BODY.



TEMPORARY SOIL EROSION CONTROL SEQUENCE OF INSTALLATION

1. INSTALL TEMPORARY SOIL EROSION CONTROL DEVICES AS SHOWN ON THE PLANS.
2. THE CONTRACTOR SHALL TOPSOIL AND SEED FINAL GRADED SLOPES AS SHOWN IN THE TYPICAL SECTIONS.
3. THE CONTRACTOR SHALL MAINTAIN ALL TEMPORARY SOIL EROSION CONTROL DEVICES UNTIL TURF HAS BEEN ESTABLISHED. COST TO BE INCLUDED IN VARIOUS EROSION CONTROL ITEMS.

THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ONCE ESTABLISHMENT HAS OCCURRED. COST TO BE INCLUDED IN EROSION AND SEDIMENT CONTROL ITEMS.

STONE CHECK DAM, PERMANENT			
ITEM 209.110601			
STATION	WEIR HEIGHT	SIDE	QTY (EACH)
LE 3+97	1'-0"	LT	1
LE 5+48	1'-0"	LT	1
LE 5+87	1'-0"	RT	1
LE 6+08	1'-0"	LT	1
LE 8+67	1'-0"	LT	1
LE 10+55	1'-6"	RT	1
LE 10+80	1'-6"	LT	1
LE 11+20	1'-6"	RT	1
LE 11+50	1'-6"	LT	1
LE 12+11	1'-6"	RT	1
LE 12+47	1'-0"	RT	1
LE 12+48	1'-0"	LT	1
LE 12+83	1'-6"	LT	1
LE 12+95	1'-6"	RT	1
LE 14+18	1'-6"	LT/RT	2
LE 14+45	1'-6"	LT/RT	2
LE 14+79	1'-6"	LT/RT	2
LE 15+19	1'-6"	LT/RT	2
LE 15+65	1'-6"	LT/RT	2
LE 16+08	1'-6"	LT/RT	2
LE 16+46	1'-6"	LT/RT	2
LE 18+09	1'-6"	LT/RT	2
LE 19+21	1'-0"	RT	1
LE 25+15	1'-6"	RT	1
LE 26+03	1'-6"	LT/RT	1
LE 26+50	1'-6"	LT/RT	2
LE 28+50	1'-0"	LT	1
LE 29+08	1'-0"	RT	1
TOTAL:			37

AFFIX SEAL: GREENMAN - PEDERSEN, INC ON: 4/5/2022	ALTERED BY: ON:
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AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN QMS2013 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----	
	ROADWAY WIDENING					EROSION CONTROL NOTES	
	TOWN OF AMSTERDAM						
	COUNTY: MONTGOMERY REGION: 2					DRAWING NO. ECN-1 SHEET NO. 7	
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.					 GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS		 MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS

FILE NAME = ...\\2019066.01 oph\_mpp-1.dgn  
DATE/TIME = 4/27/2022  
USER = mhacker

NOTES:

- 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 NEW YORK STATE POLICE, AND THE LOCAL POLICE.
- ANY EXISTING SIGNS WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGN LAYOUT OR THE PROPOSED ROADWAY CONFIGURATION 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 DIRECTED BY THE ENGINEER.
- SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
- THE CONTRACTOR IS TO MAINTAIN ALL SIGNAGE DURING CONSTRUCTION. UPON PROJECT COMPLETION, ALL DETOUR SIGNAGE SHALL BE REMOVED AND DELIVERED TO THE MONTGOMERY COUNTY STORAGE YARD A.O.B.E., ALL COSTS SHALL BE INCLUDED UNDER ITEM 619.01.
- CONTRACTOR TO TRIM TREES OVERHANGING DETOUR ROUTE, A.O.B.E. PAYMENT SHALL BE MADE UNDER ITEM 619.01.
- UNLESS AUTHORIZED BY THE ENGINEER, THE MINIMUM LANE WIDTHS FOR WORK ZONE TRAVEL LANES SHALL BE 10'-0" MIN.
- PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 24 HOURS PRIOR TO RESTRICTING USE OF THE DRIVEWAY.
- PLACE TEMPORARY CONCRETE BARRIER AT 15° ANGLE. BARRIER IS NOT STAKED TO PAVEMENT. AREA BEHIND THE BARRIER MUST REMAIN FREE OF DEBRIS AND PARKED EQUIPMENT TO ASSURE BARRIER DEFLECTION.
- THE DURATION OF THE DETOUR SHALL LAST NO LONGER THAN 12 WEEKS. IF THE CONTRACTOR REQUIRES THE DETOUR TO REMAIN IN EFFECT FOR LONGER THAN 12 WEEKS, THEY MUST APPLY FOR A WAIVER IN WRITING TO THE COUNTY. THE CONTRACTOR MAY BE LIABLE FOR ANY ADDITIONAL COSTS THAT MAY OCCUR DUE TO THIS TIME EXTENSION.





DETOUR PLAN  
SCALE: 1"=1200'

LEGEND

- DETOUR ROUTE
- CONSTRUCTION SIGN (TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 619.01)
- WORK ZONE

AFFIX SEAL: GREENMAN - PEDERSEN, INC  
ON: 4/5/2022

ALTERED BY:  
ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----
	ROADWAY WIDENING				MAINTENANCE/PROTECTION OF TRAFFIC PLANS	DRAWING NO. MPP-1 SHEET NO. 8
	TOWN OF AMSTERDAM					
	COUNTY: MONTGOMERY					
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.					 GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS	 MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS



FILE NAME = ...\\2019066.01 oph\_mpp-2.dgn  
DATE/TIME = 4/27/2022  
USER = mhacker

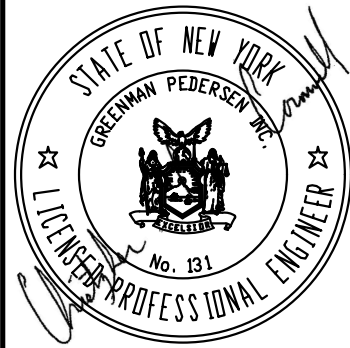
DESIGN SUPERVISOR C. CORNWELL  
JOB MANAGER F. MASTROIANNI  
DESIGN M. HACKER  
CHECK C. CORNWELL  
DRAFTING M. HACKER  
CHECK C. CORNWELL  
PROJECT MANAGER C. CORNWELL

LEGEND:

- ORIGINAL GROUND
- PROPOSED FINAL GRADE
- INTERIM CUT/FILL

AFFIX SEAL: GREENMAN - PEDERSEN, INC  
ON: 4/5/2022

ALTERED BY:  
ON:



AS-BUILT REVISIONS  
DESCRIPTION OF ALTERATIONS:

LEPPER ROAD (CR 20)

ROADWAY WIDENING

TOWN OF AMSTERDAM

COUNTY: MONTGOMERY

REGION: 2

PIN  
CR 20  
UTILQLVL = C

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

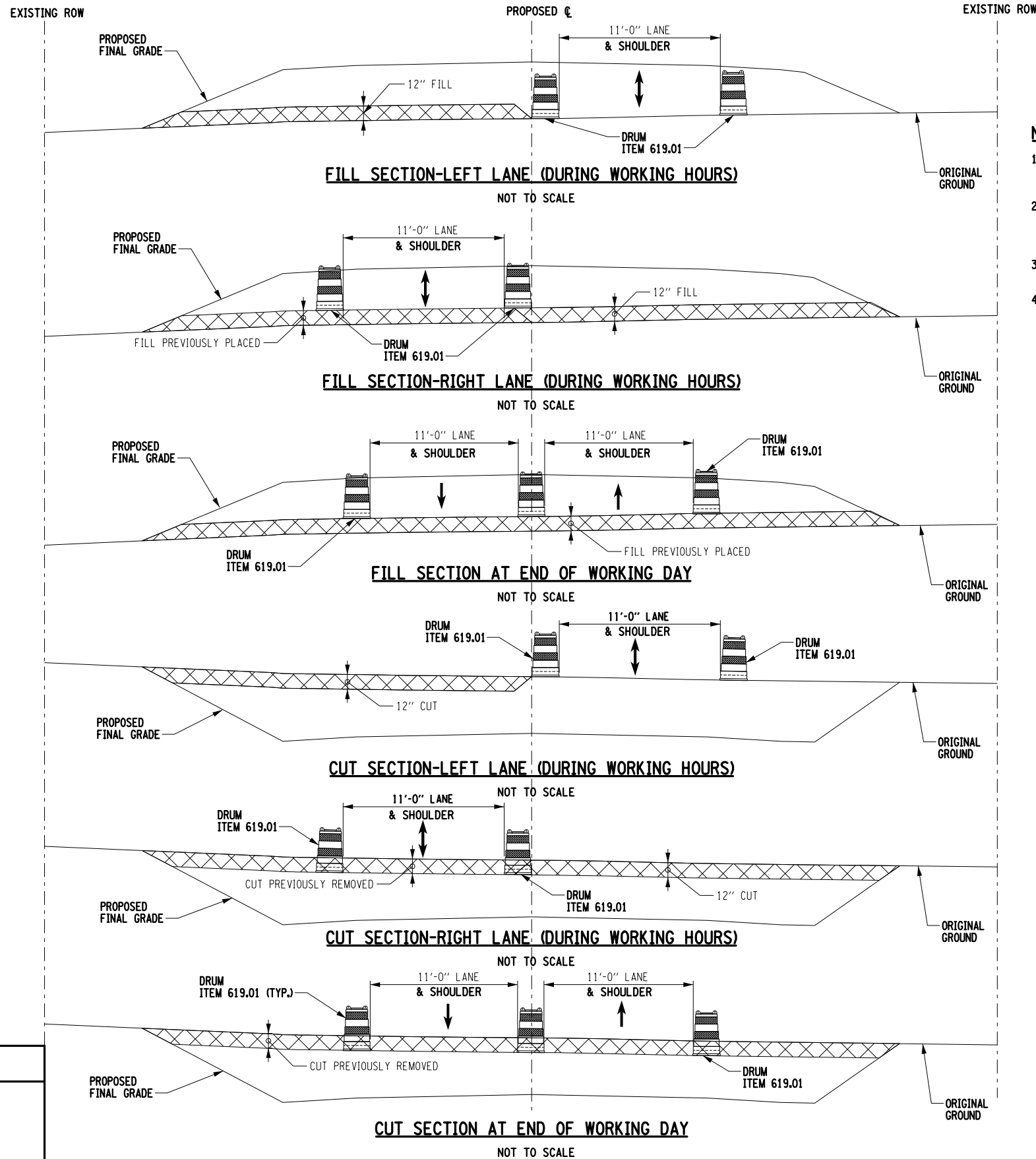
CONTRACT NUMBER

MAINTENANCE/PROTECTION  
OF TRAFFIC PLANS

DRAWING NO. MPP-2  
SHEET NO. 9

**GPI** GREENMAN-PEDERSEN, INC.  
CONSULTING ENGINEERS

MONTGOMERY COUNTY  
DEPARTMENT OF PUBLIC WORKS



\* A MINIMUM LANE /SHOULDER WIDTH OF 11'-0" SHALL BE MAINTAINED AT ALL TIMES\*

NOTES:

- THE CONTRACTOR SHALL INSTALL A W8-3 "PAVEMENT ENDS" SIGN, W8-1 "BUMP" SIGN, OR A W8-2 "DIP" SIGN AS ORDERED BY THE ENGINEER DURING THE COURSE OF CONSTRUCTION.
- AT THE END OF THE WORKING DAY, MAINTAIN TWO TRAVEL LANES ON THE COMPACTED LIFT OR CUT. THE CONTRACTOR SHALL SCHEDULE HIS CONSTRUCTION ACTIVITIES TO ENSURE A UNIFORM NON-RUTTED RIDABLE SURFACE SHALL BE AVAILABLE TO MAINTAIN TWO-WAY TRAFFIC BY THE END OF THE WORKING DAY.
- THE ENGINEER MAY MODIFY METHOD TO MAINTAIN TRAFFIC IF REQUIRED DUE TO UNFORESEEN TRAFFIC BACKUP.
- THE SUBBASE COURSE CAN BE EXPOSED FOR A MAXIMUM OF FOURTEEN (14) BUSINESS DAYS CONSECUTIVELY. TEMPORARY PAVEMENT MUST BE PLACED OVER THE EXPOSED SUBBASE FOR WEEKEND SHUTDOWNS.

FILE NAME = ...\\2019066.01 oph\_msd-1.dgn  
DATE/TIME = 4/27/2022  
USER = mhacker

DESIGN SUPERVISOR C. CORNWELL

JOB MANAGER F. MASTROIANNI

DESIGN M. HACKER

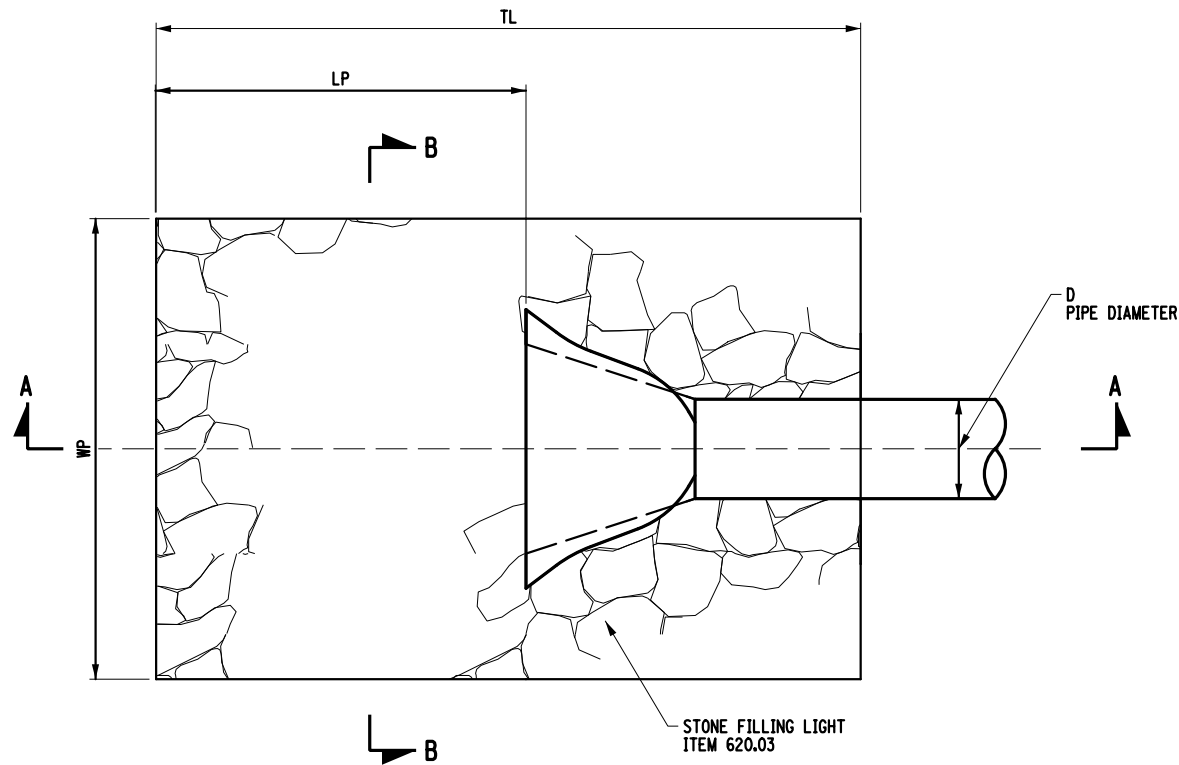
CHECK C. CORNWELL

DRAFTING M. HACKER

CHECK C. CORNWELL

PROJECT MANAGER C. CORNWELL

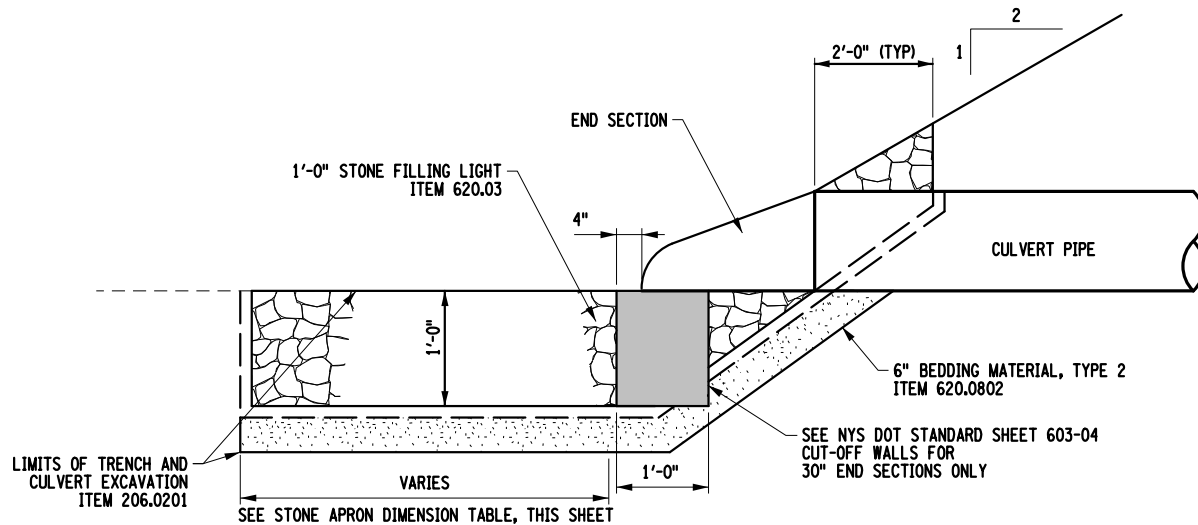
LONGITUDINAL STONE APRON DIMENSION TABLE (TYP)			
PIPE DIA "D"	LENGTH "Lp"	LENGTH "TL"	WIDTH "Wp"
15"	5'-0"	8'-7"	5'-0"
18"	6'-0"	10'-5"	6'-0"
24"	8'-0"	13'-3"	8'-0"



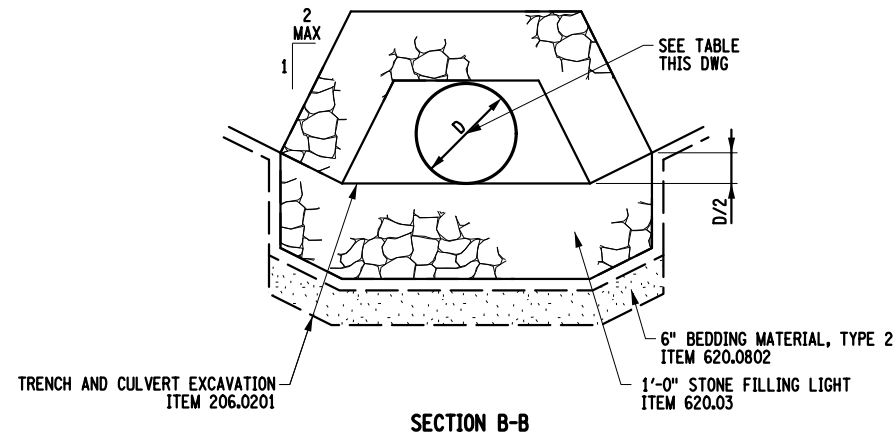
STONE-LINED APRON DETAIL  
NOT TO SCALE

NOTES:

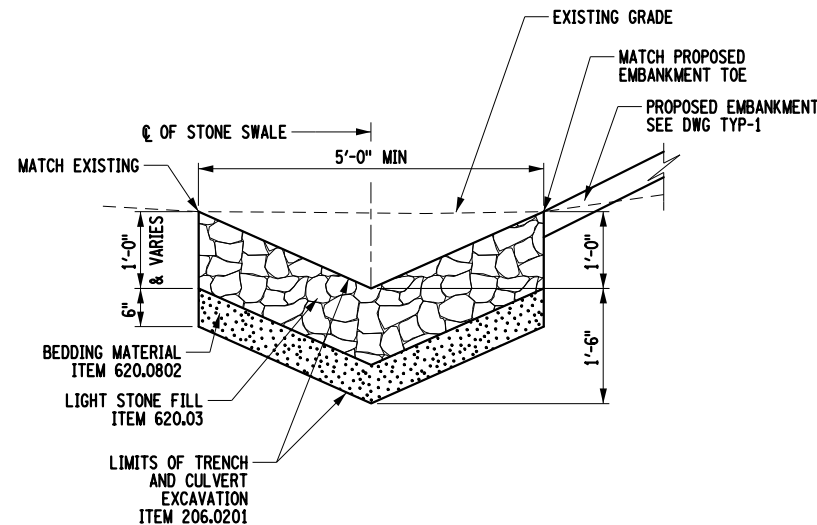
- REFER TO NYSDOT STANDARD SHEETS SECTIONS 203, 603, 604 AND 655 FOR ADDITIONAL INFORMATION AND DETAILS AS MAY BE NECESSARY.
- SEE GENERAL PLAN FOR PLACEMENT LOCATIONS.
- COSTS FOR ITEM 206.0201 SHALL INCLUDE REMOVAL OF ANY EXISTING PIPE, PIPE COLLAR, AND END SECTIONS AS APPROPRIATE.
- SEE NYSDOT STANDARD SHEETS 603-01, 603-02 & 603-04 FOR END SECTIONS AND CAST-IN-PLACE CONCRETE CUT-OFF WALL DETAILS (TYP)
- WITHIN THE AREA OF THE EXISTING DRAINAGE CHANNEL, THE CONTRACTOR SHALL EXCAVATE MATERIAL DEEMED UNSUITABLE BY ENGINEER TO BE PAID FOR UNDER ITEM 206.0201, TRENCH AND CULVERT EXCAVATION, AND BACKFILL WITH SELECT GRANULAR FILL, ITEM 203.07. ASSUME 12" DEPTH ABOVE AND BELOW THE PIPE FOR ESTIMATING PURPOSES. SEE NYSDOT STANDARD SHEETS 203-05 FOR MINIMUM WIDTH.



SECTION A-A





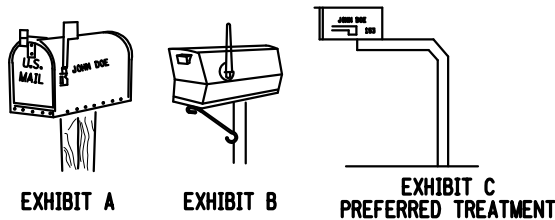
SECTION B-B



SECTION THRU TOE STONE GUTTER  
NOT TO SCALE

AFFIX SEAL: GREENMAN - PEDERSEN, INC ON: 4/5/2022	ALTERED BY: ON:

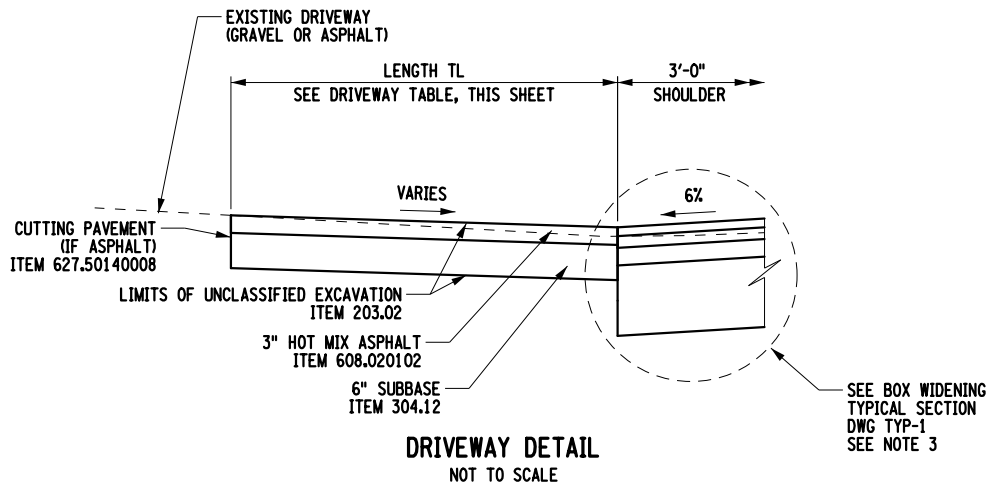
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----
	ROADWAY WIDENING				MISCELLANEOUS DETAILS	DRAWING NO. MSD-1 SHEET NO. 10
	TOWN OF AMSTERDAM					
	COUNTY: MONTGOMERY					
IT IS 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.						
					 GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS	 MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS



MAILBOX DETAIL - ITEM 619.27  
NOT TO SCALE

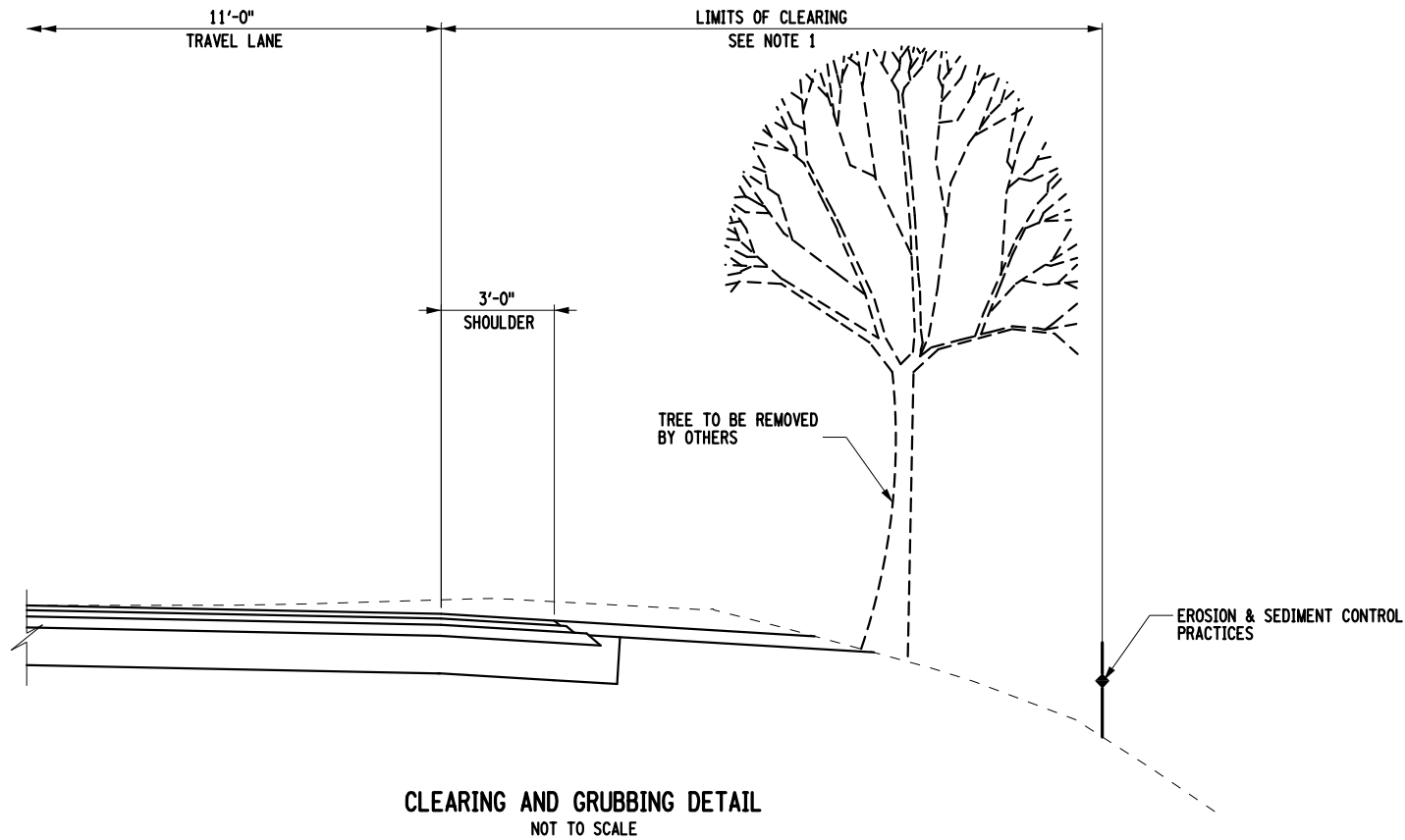
MAILBOX NOTES:

1. THERE ARE TWO APPROVED STYLES OF BOXES: (1) TRADITIONAL DESIGN IN THREE STANDARD SIZES (SEE EXHIBIT A) AND (2) CONTEMPORARY DESIGN (SEE EXHIBIT B). IN AREAS WHERE SNOW REMOVAL IS A PROBLEM, OR WHERE GUIDERAIL IS PRESENT, THE USE OF A SEMI-ARCH OR EXTENDED ARM TYPE OF SUPPORT IS SUGGESTED (SEE EXHIBIT C). THIS ALLOWS SNOWPLOWS TO SWEEP NEAR OR UNDER BOXES WITHOUT DAMAGE TO SUPPORTS AND PROVIDES EASY ACCESS TO THE BOXES BY CARRIER AND CUSTOMERS.
2. MAILBOXES REMOVED SHALL NOT BE RESET UNTIL THE MOUNTING POST MEETS AASHTO RECOMMENDATIONS FOR MAILBOX SUPPORTS BEING NOT MORE THAN 4 INCHES X 4 INCHES OR 4 INCH DIA. WOOD POST OR A STEEL OR ALUMINUM PIPE 2 INCH DIA. STANDARD STRENGTH EMBEDDED NO MORE THAN 24 INCHES INTO THE GROUND. THE MINIMUM SIZE SHOULD BE 1 INCH DIA. GALVANIZED POST.
3. ALL MAILBOXES SHALL BE SET IN ACCORDANCE WITH THE U.S. POSTAL SERVICE MOUNTING PROCEDURE OF 3'-6" TO 4'-0" ABOVE THE ROADWAY AND NOT OFFSET MORE THAN 2'-0" FROM A PAVED SURFACE. VARIATIONS TO THIS APPLY WHEN IN A CURBED SECTION AS APPROVED BY THE LOCAL POSTAL AUTHORITY.
4. THE CONTRACTOR SHALL NOTIFY THE E.I.C. AND THE LOCAL POSTMASTER AS TO THE MOVING OF ANY PRIVATE MAILBOX. THIS SHALL APPLY TO ANY TEMPORARY & PERMANENT MOVES.
5. UNDER NO CIRCUMSTANCES SHALL ANY MAILBOX BE MOVED WHEN ANY TYPE OF MAIL IS IN THE MAILBOX.



DRIVEWAY NOTES:

1. PAVEMENT JOINT BETWEEN NEW ASPHALT DRIVEWAY APRONS AND EXISTING ASPHALT DRIVEWAYS SHALL BE SEALED WITH STRAIGHT TACK COAT, ITEM 407.0103.
2. DRIVEWAY 8 SHALL BE CONSTRUCTED PER STANDARD SHEET 209-05, CONSTRUCTION ENTRANCES. ALL WORK FOR DRIVEWAY 8 PAID UNDER ITEM 209.22, CONSTRUCTION ENTRANCE.
3. DRIVEWAYS 9, 10, 11, 13 AND 15 ARE LOCATED ADJACENT TO TIP-UP GUTTERS. REFER TO STANDARD SHEET 624-01 FOR GUTTER TREATMENT AT DRIVEWAYS.



CLEARING AND GRUBBING NOTES:

1. CLEAR AND GRUB FROM EDGE OF PROPOSED ROADWAY SHOULDER TO PROPOSED CUT/FILL SLOPE LIMITS, PLUS 5 FT FOR EROSION AND SEDIMENT CONTROL PRACTICES. CONTRACTOR IS REQUIRED TO CUT LIMBS UP TO 15'-0" ABOVE GRADE AT THE BRANCH BASE TO CLEAR TRUCK ENVELOPE. ANY EXISTING TREES LOCATED WITHIN THE CLEARING AND GRUBBING LIMITS SHALL BE REMOVED UNDER THE APPROPRIATE ITEM BASED UPON THE D.B.H. OF THE TREE. SEE THE GENERAL PLANS FOR THE TREE REMOVAL LOCATIONS.
2. ALL WOOD CHIPS PRODUCED FROM CLEARING AND GRUBBING SHALL BE SPREAD EVENLY ONTO THE ADJACENT AREAS OUTSIDE OF THE FINISHED ROADWAY AND WITHIN THE EXISTING ROW, WITH NO PILES EXCEEDING 6 INCHES IN DEPTH.
3. CLEAR TREES WITHIN 10 FT OR A.O.B.E. OF SLOPE LIMITS. ROW OR OTHER ENVIRONMENTAL FACTORS MAY RESTRICT OPERATIONS.
4. CONTRACTOR IS RESPONSIBLE FOR LIMITING DISTURBED AREAS DURING ALL CLEARING AND GRUBBING OPERATIONS. ALL DISTURBED AREAS RESULTING FROM CLEARING AND GRUBBING CONSTRUCTION ACTIVITIES SHALL BE RESTORED AS DIRECTED BY THE ENGINEER. COST FOR THIS WORK IS TO BE INCLUDED IN THE VARIOUS TREE REMOVAL ITEMS.

DRIVEWAY TABLE								
DRIVEWAY	LOCATION		EXISTING MATERIAL	PROPOSED MATERIAL	CLASS	W (FT)	PL (FT)	TL (FT)
	STA	SIDE						
DWY-1	LE 4+28±	LT	GRAVEL	ASPHALT	R	14'	5.2'	5.2'
DWY-2	LE 4+69±	LT	GRAVEL	ASPHALT	R	14'	5.0'	5.0'
DWY-3	LE 5+75±	LT	ASPHALT	ASPHALT	R	26'	4.3'	4.3'
DWY-4	LE 10+04±	LT	GRAVEL	ASPHALT	R	10'	11.7'	11.7'
DWY-5	LE 10+04±	RT	ASPHALT	ASPHALT	R	43'	12.4'	12.4'
DWY-6	LE 12+65±	LT	GRAVEL	ASPHALT	R	16'	10.7'	10.7'
DWY-7	LE 12+70±	RT	DIRT	ASPHALT	R	20'	15.3'	15.3'
DWY-8	LE 18+53±	LT	DIRT	GRAVEL	C. ENT.	15'	50.0'	50.0'
DWY-9	LE 23+68±	RT	GRAVEL	ASPHALT	R	20'	2.5'	2.5'
DWY-10	LE 24+22±	RT	GRAVEL	ASPHALT	R	12'	7.0'	7.0'
DWY-11	LE 29+88±	RT	ASPHALT	ASPHALT	R	25'	8.6'	8.6'
DWY-12	LE 30+96±	LT	GRAVEL	ASPHALT	R	21'	4.3'	4.3'
DWY-13	LE 31+73±	RT	ASPHALT	ASPHALT	R	24'	5.5'	5.5'
DWY-14	LE 33+03±	LT	ASPHALT	ASPHALT	R	14'	12.5'	12.5'
DWY-15	LE 34+19±	RT	ASPHALT	ASPHALT	R	13'	8.4'	8.4'

AFFIX SEAL: GREENMAN - PEDERSEN, INC  
ON: 4/5/2022

ALTERED BY:  
ON:

AS-BUILT REVISIONS  
DESCRIPTION OF ALTERATIONS:

LEPPER ROAD (CR 20)

ROADWAY WIDENING

TOWN OF AMSTERDAM

COUNTY: MONTGOMERY

PIN  
CR 20  
UTILQLVL = C

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

MISCELLANEOUS DETAILS

CONTRACT NUMBER  
-----

DRAWING NO. MSD-2  
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.


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GREENMAN-PEDERSEN, INC.  
CONSULTING ENGINEERS

MONTGOMERY COUNTY  
DEPARTMENT OF PUBLIC WORKS






AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----
	ROADWAY WIDENING				MISCELLANEOUS DETAILS	DRAWING NO. MSD-3 SHEET NO. 12
	TOWN OF AMSTERDAM					
	COUNTY: MONTGOMERY      REGION: 2					
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.					<b>GPI</b> GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS	 MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS

FILE NAME = ...\\2019066.01 oph\_dr-t-1.dgn  
DATE/TIME = 4/27/2022  
USER = mhacker

DESIGNATION	STATION	OFFSET	DESCRIPTION OF WORK	STRUCTURE DRAINS TO	PROPOSED MANHOLE RIM ELEVATION	THIS STRUCTURE INLETTING INVERT(S) / FROM UPSTREAM STRUCTURE	THIS STRUCTURE OUTLET INVERTS / TO DOWNSTREAM STRUCTURE	PROPOSED STRUCTURE OUTLET INVERT / INLET INVERT	RECEIVING STRUCTURE INLET INVERT / OUTLET INVERT	PROPOSED PIPE DIAMETER / SPAN	PROPOSED PIPE LENGTH	203.07	206.0201	552.17	553.030001	555.0105	603.171216	603.171416	603.171614	603.9815	603.9818	603.9824	603.99010008	604.300611	620.03	620.0802	655.1111
DS 1-1	LE 4+48±	25' LT	Remove Existing Headwall, Add End Sections and Stone Aprons	-	-	-	-	-	-	-	-		14		1	1			2						9	4	
DS 2-1	LE 5+75±	23' LT	Remove Existing Headwalls, Add End Sections and Stone Aprons	-	-	-	-	-	-	-	-		14		1	1			2						9	4	
DS 2-2	LE 8+47±	21' LT	Install Drainage Structure	DS 2-5	625.12	622.40 (DS 2-3)	622.18 (DS 2-5)	622.18	620.54	15	30	17	30				1			34				4.7			1
DS 2-3	LE 8+54±	21' LT	Install Drainage Inlet Culvert	DS 2-2	-	-	-	625.80	622.40	15	10	2	5		1		1			11			1		2	1	
DS 2-4	LE 6+25±	12' RT	Install Drainage Structure and Outlet	Outlet	601.89	599.13 (DS 2-5)	598.88 (Outlet)	598.88	597.13	18	28	20	18					1			30			4.7	2	1	1
DS 2-5	LE 8+29±	14' RT	Install Drainage Structure	DS 2-4	624.23	620.54 (DS 2-2) 621.66 (DS 2-6)	620.29 (DS 2-4)	620.29	599.13	18	202	81	111	300							204			5.6			1
DS 2-6	LE 10+34±	21' RT	Install Drainage Structure	DS 2-5	641.32	637.88 (DS 2-7) 637.13 (DS 3-1)	636.88 (DS 2-5)	636.88	621.66	18	202	81	210	1534	1						202			6.1			1
DS 2-7	LE 10+41±	21' RT	Install Drainage Inlet Culvert	DS 2-6	-	-	-	639.73	637.88	15	10	2	4		1		1			11			1		2	1	
DS 3-1	LE 10+59±	22' LT	Install Drainage Structure	DS 2-6	641.81	638.80 (DS 3-2)	638.07 (DS 2-6)	638.07	637.13	18	48	26	45	140							49			5.4			1
DS 3-2	LE 10+66±	22' LT	Install Drainage Inlet Culvert	DS 3-1	-	-	-	640.21	638.80	18	10	3	4		1			1			11		1		2	1	
DS 3-3	LE 12+66±	22' LT	Install Driveway Culvert	-	-	-	-	644.40	643.80	15	21	5	5		1		2			21			1		3	2	
DS 3-4	LE 12+71±	22' RT	Install Driveway Culvert	-	-	-	-	644.13	643.82	15	31	8	18		1		2			31			1		3	2	
DS 4-1	LE 19+21±	-	Replace Cross Culvert	-	-	-	-	669.03	668.82	18	35	12	19		1			2			35		2		5	2	
DS 6-1	LE 28+50±	-	Replace Cross Culvert	-	-	-	-	683.93	683.22	24	39	21	40		1	1			2			39	2		8	4	
DS 7-1	LE 33+16±	21' LT	Install Drainage Structure	DS 7-4	697.08	694.53 (DS 7-2)	693.54 (DS 7-4)	693.54	692.86	15	34	19	29		1					34				5.4			1
DS 7-2	LE 33+23±	21' LT	Install Drainage Inlet Culvert	DS 7-1	-	-	-	695.65	694.53	15	11	2	7		1		1			11			1		2	1	
DS 7-3	LE 31+36±	11' RT	Install Drainage Structure and Outlet	Outlet	692.96	690.42 (DS 7-4)	690.17 (Outlet)	690.17	686.55	15	192	56	77		1		1			192				4.5	2	1	1
DS 7-4	LE 32+97±	11' RT	Install Drainage Structure	DS 7-3	697.03	692.86 (DS 7-1) 694.49 (DS 7-5)	692.61 (DS 7-3)	692.61	690.42	15	158	50	81		1					158				6.0			1
DS 7-5	LE 34+42±	11' RT	Install Drainage Structure	DS 7-4	701.87	-	698.71 (DS 7-4)	698.71	694.49	15	141	43	62		1					141				5.0			1
TOTAL:												447	794	1974	16	4	9	4	6	644	531	39	10	47	47	24	9

AFFIX SEAL: GREENMAN - PEDERSEN, INC  
ON: 4/5/2022



ALTERED BY:  
ON:

1. CONDITIONS AND QUANTITIES SHOWN ON THE DRAINAGE TABLE ARE ESTIMATED. THESE CONDITIONS AND QUANTITIES SHALL NOT 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.

2. EXACT OFFSETS AND SIZES OF DRAINAGE STRUCTURES ALONG WITH LENGTHS OF PIPE MUST BE DETERMINED IN THE FIELD. THESE MEASUREMENTS MUST BE CONFIRMED BY THE CONTRACTOR PRIOR TO ORDERING ANY DRAINAGE MATERIALS.

3. IF NEEDED, AN EXCAVATION PROTECTION SYSTEM (EPS) SHALL BE USED FOR ALL EXCAVATIONS OVER 5'-0". PAYMENT FOR THE EPS SHALL BE UNDER ITEM 552.17, SHIELDS AND SHORING. THE EPS PROVIDED BY THE CONTRACTOR SHALL PROTECT WORKERS WITHIN THE EXCAVATION AND SUPPORT ANY NEW OR EXISTING UTILITIES ENCOUNTERED DURING TRENCHING OPERATIONS.

4. REFER TO THE MISCELLANEOUS DETAILS SHEETS AND NYSDOT STANDARD SHEETS FOR ADDITIONAL INFORMATION.

5. ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES, AND REGULATIONS.

6. ASSUME ALL MATERIAL EXCAVATED FOR PIPE OR DRAINAGE STRUCTURE INSTALLATION IS UNSUITABLE FOR BACKFILL.

AS-BUILT REVISIONS  
DESCRIPTION OF ALTERATIONS:

LEPPER ROAD (CR 20)

ROADWAY WIDENING

TOWN OF AMSTERDAM

COUNTY: MONTGOMERY

REGION: 2

PIN  
CR 20  
UTILQLVL = C

BRIDGES

CULVERTS


ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED


CONTRACT NUMBER  
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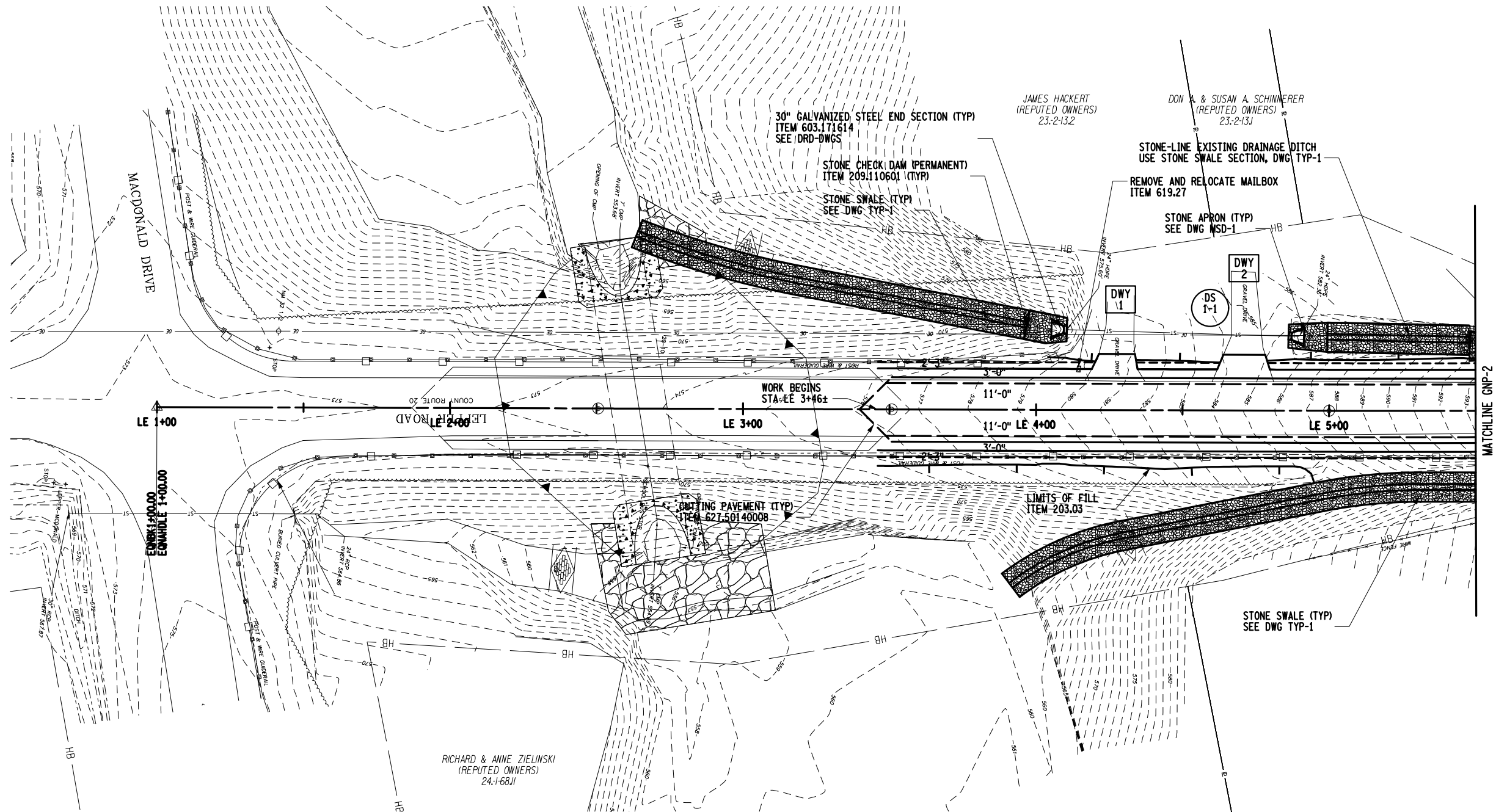
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
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SHEET NO. 13

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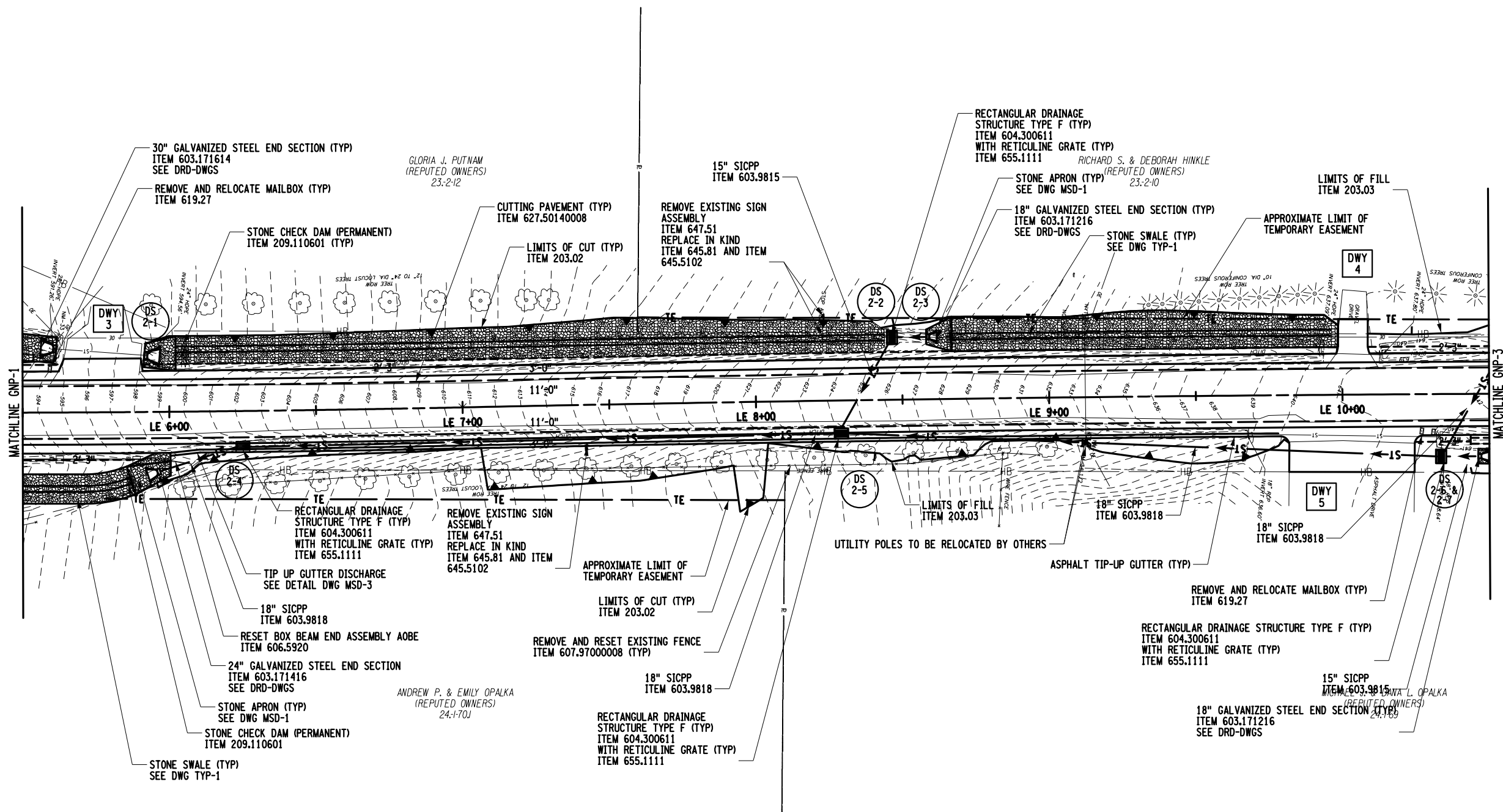
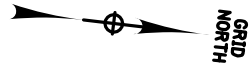
MONTGOMERY COUNTY  
DEPARTMENT OF PUBLIC WORKS




**MONTGOMERY COUNTY**  
**DEPARTMENT OF PUBLIC WORKS**


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DATE/TIME = 4/27/2022  
USER = mhacker

DESIGN SUPERVISOR C. CORNWELL  
JOB MANAGER F. MASTROIANNI  
DESIGN M. HACKER  
CHECK C. CORNWELL  
DRAFTING M. HACKER  
CHECK C. CORNWELL  
PROJECT MANAGER C. CORNWELL



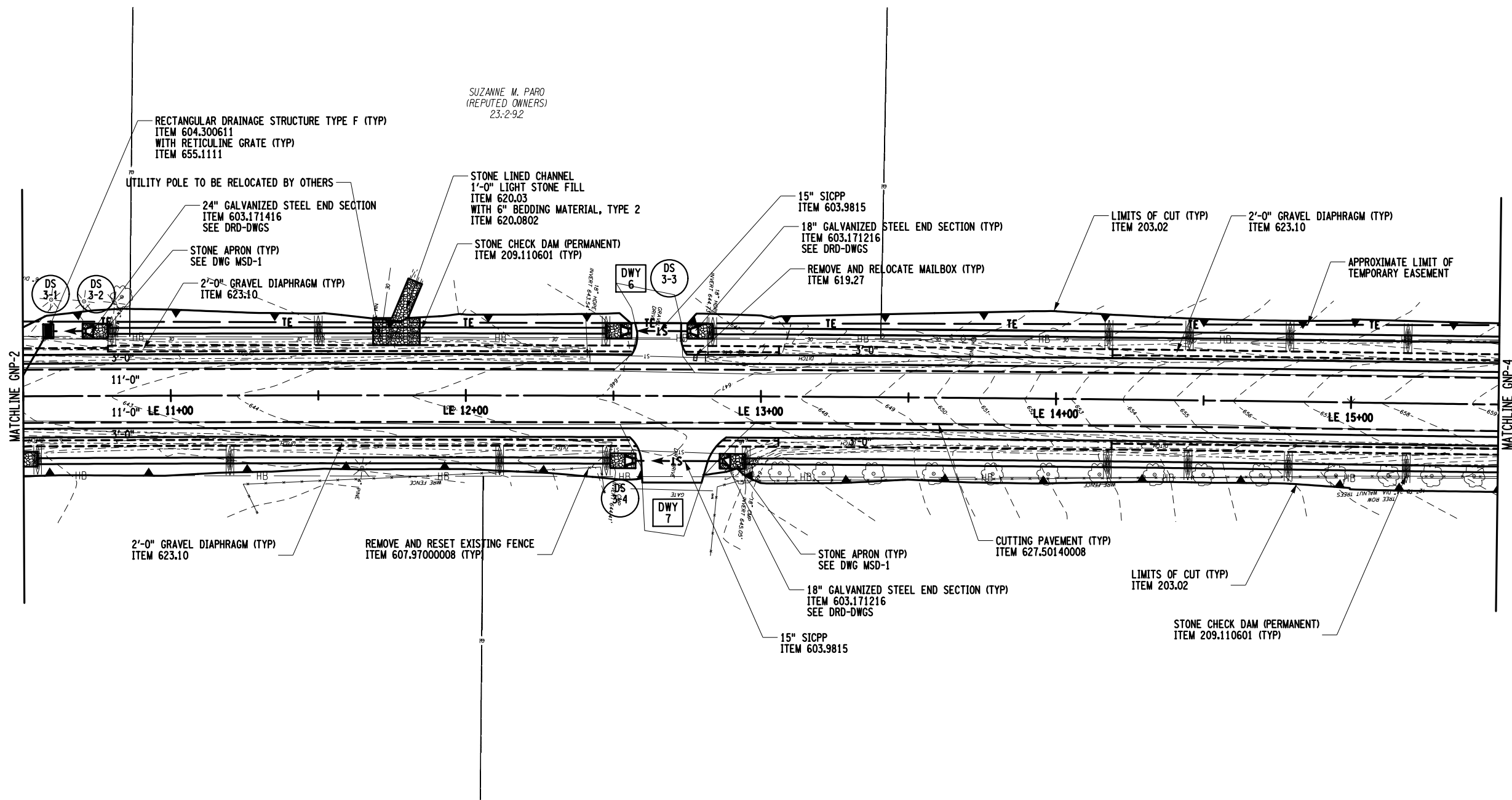
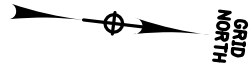
AFFIX SEAL: GREENMAN - PEDERSEN, INC  
ON: 4/5/2022

ALTERED BY:  
ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----
	ROADWAY WIDENING				GENERAL PLANS	DRAWING NO. GNP-2 SHEET NO. 15
	TOWN OF AMSTERDAM					
	COUNTY: MONTGOMERY					
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.					<div><div><div><div><div><div></div><div><b>GPI</b></div></div></div><div><div><div></div><div>GREENMAN-PEDERSEN, INC.</div><div>CONSULTING ENGINEERS</div></div></div></div><div><div><div>MONTGOMERY COUNTY</div><div>DEPARTMENT OF PUBLIC WORKS</div></div></div></div></div>	

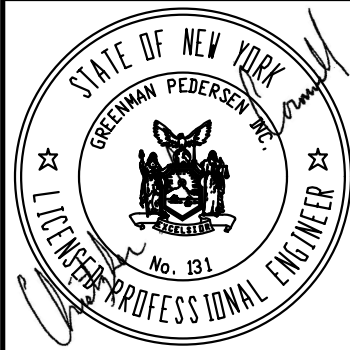
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DATE/TIME = 4/27/2022  
USER = mhacker

DESIGN SUPERVISOR C. CORNWELL  
JOB MANAGER F. MASTROIANNI  
DESIGN M. HACKER  
CHECK C. CORNWELL  
DRAFTING M. HACKER  
CHECK C. CORNWELL  
PROJECT MANAGER C. CORNWELL



AFFIX SEAL: GREENMAN - PEDERSEN, INC  
ON: 4/5/2022

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ON:



AS-BUILT REVISIONS  
DESCRIPTION OF ALTERATIONS:

LEPPER ROAD (CR 20)

ROADWAY WIDENING

TOWN OF AMSTERDAM

COUNTY: MONTGOMERY

REGION: 2

PIN  
CR 20  
UTILQLVL = C

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

GENERAL PLANS

DRAWING NO. GNP-3

SHEET NO. 16

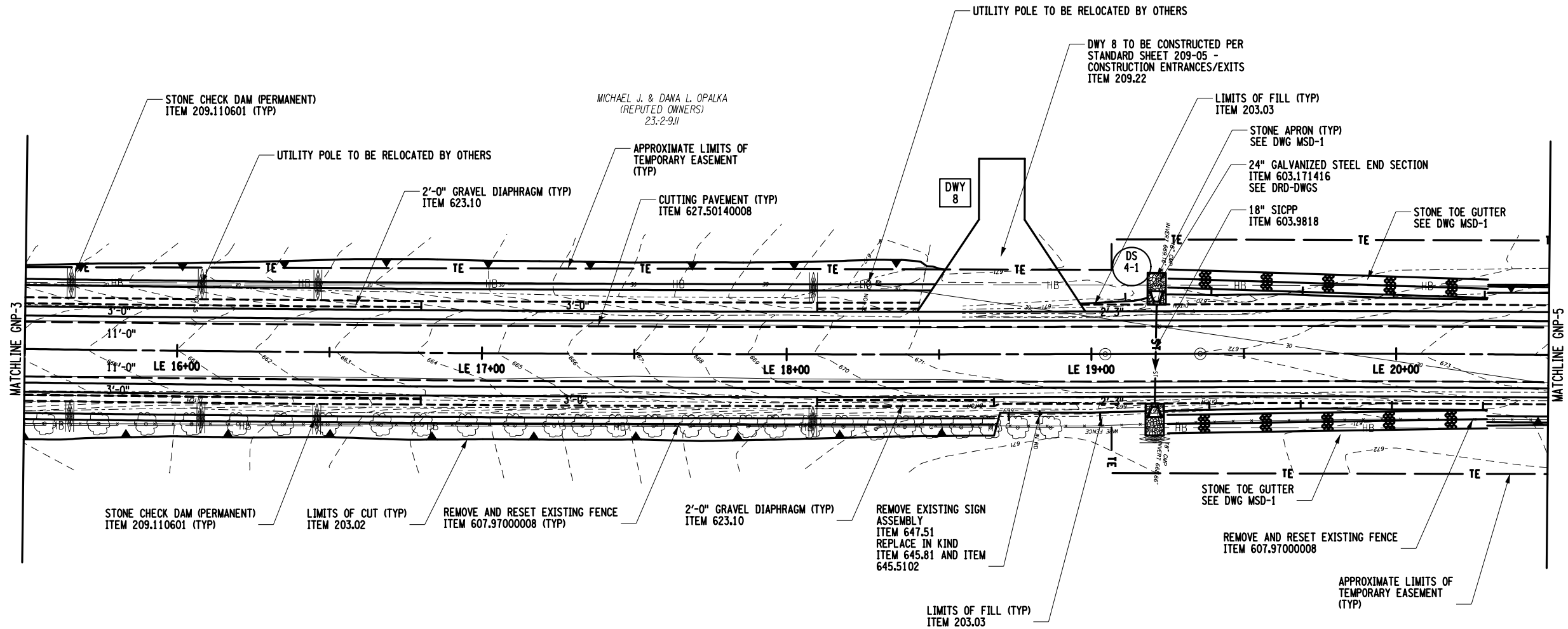
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CONSULTING ENGINEERS

MONTGOMERY COUNTY  
DEPARTMENT OF PUBLIC WORKS

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JOB MANAGER F. MASTROIANNI  
DESIGN M. HACKER  
CHECK C. CORNWELL  
DRAFTING M. HACKER  
CHECK C. CORNWELL  
PROJECT MANAGER C. CORNWELL



ANDREW P. & EMILY OPALKA  
(REPUTED OWNERS)  
24-1-70J

MICHAEL J. & DANA L. OPALKA  
(REPUTED OWNERS)  
23-2-9JII

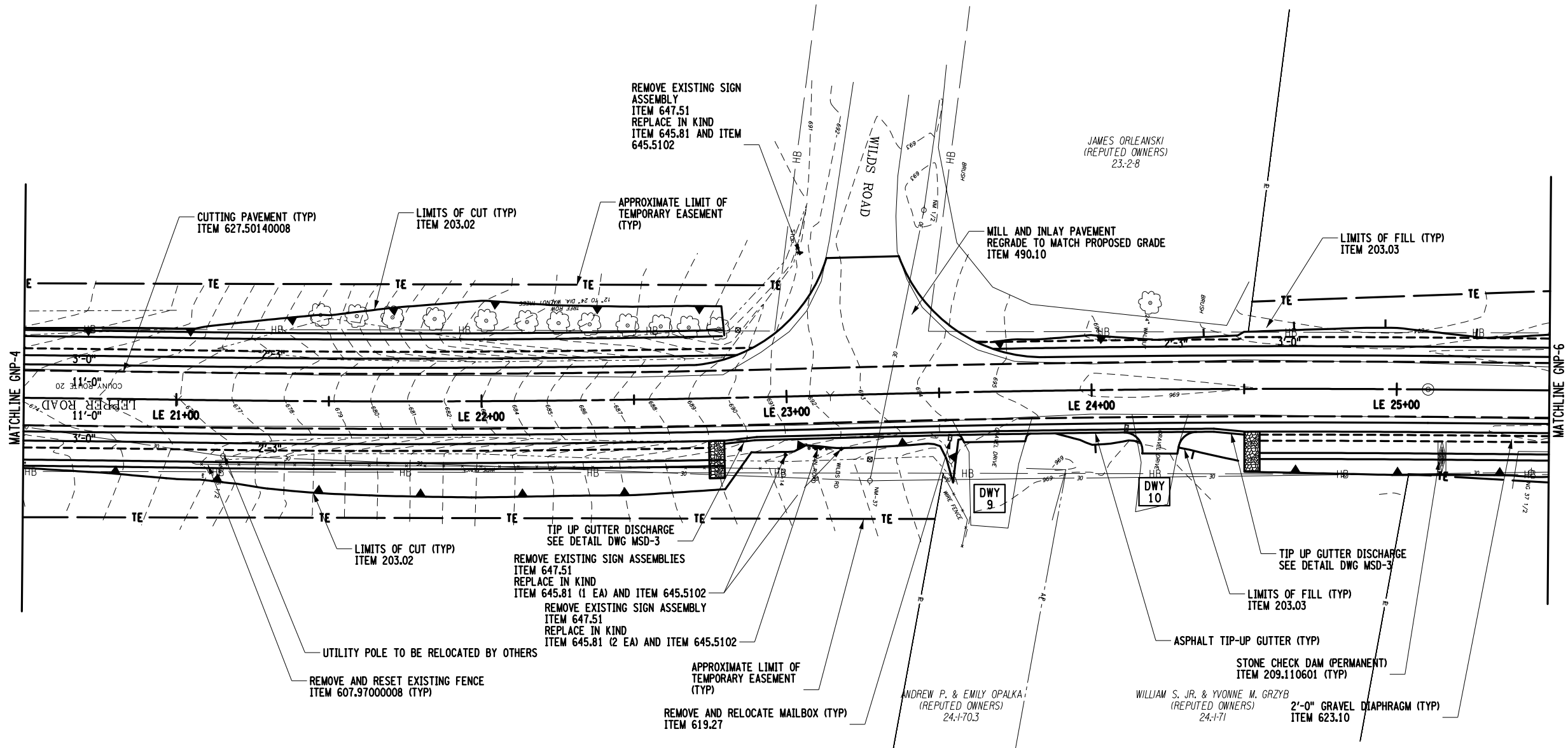
AFFIX SEAL: GREENMAN - PEDERSEN, INC ON: 4/5/2022	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20) ROADWAY WIDENING TOWN OF AMSTERDAM COUNTY: MONTGOMERY	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----	
GENERAL PLANS					DRAWING NO. GNP-4 SHEET NO. 17		
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.					GPI GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS		MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS




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DATE/TIME = 4/27/2022  
USER = mhacker

DESIGN SUPERVISOR C. CORNWELL  
JOB MANAGER F. MASTROIANNI  
DESIGN M. HACKER  
CHECK C. CORNWELL  
DRAFTING M. HACKER  
CHECK C. CORNWELL  
PROJECT MANAGER C. CORNWELL



AFFIX SEAL: GREENMAN - PEDERSEN, INC ON: 4/5/2022		ALTERED BY: ON:	
		AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	

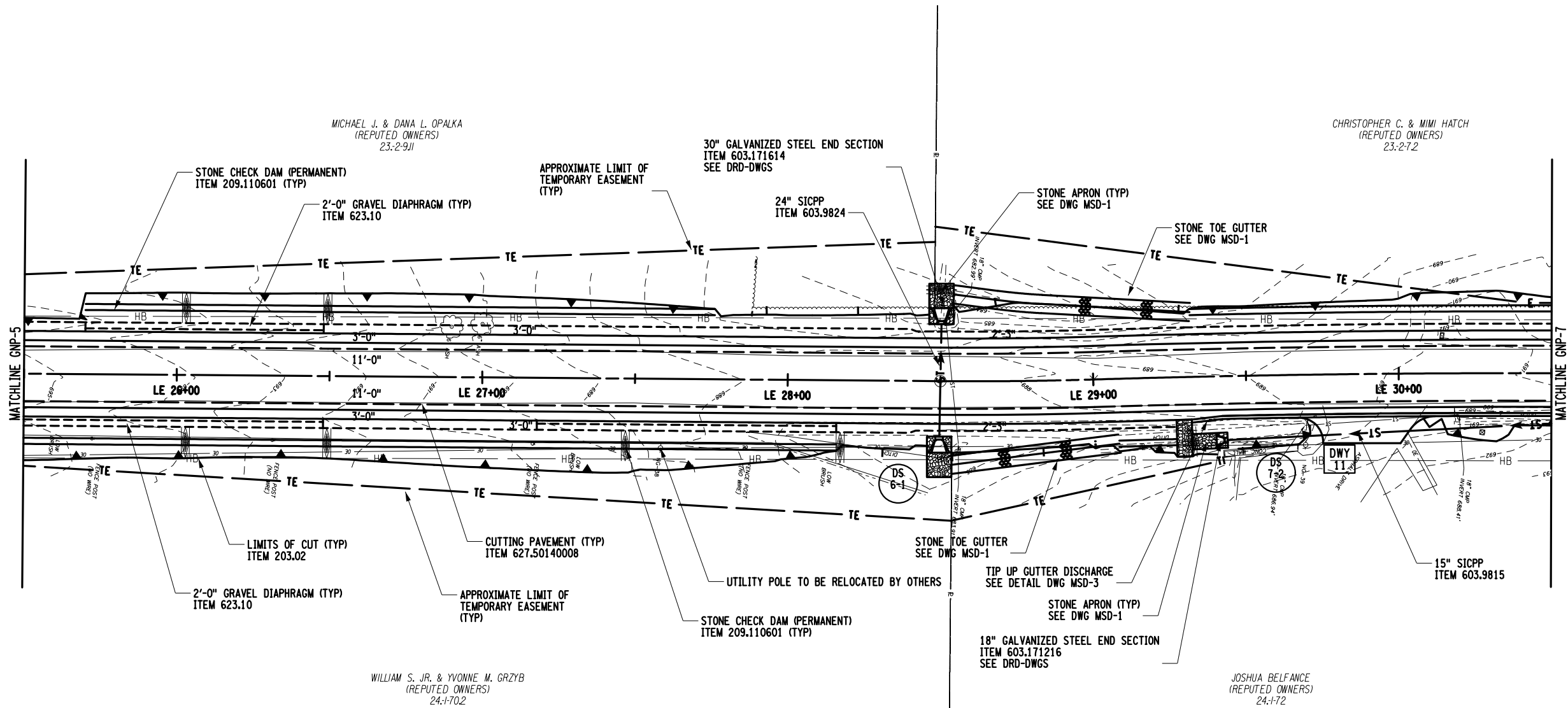
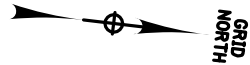
AS-BUILT REVISIONS: DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----
	ROADWAY WIDENING				GENERAL PLANS	DRAWING NO. GNP-5 SHEET NO. 18
	TOWN OF AMSTERDAM					
	COUNTY: MONTGOMERY					
IT IS A VIOLATION 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.						
					<b>GPI</b> GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS	 MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS





FILE NAME = ...\\2019066.01 oph\_gnp-6.dgn  
DATE/TIME = 4/27/2022  
USER = mhacker

DESIGN SUPERVISOR C. CORNWELL  
JOB MANAGER F. MASTROIANNI  
DESIGN M. HACKER  
CHECK C. CORNWELL  
DRAFTING M. HACKER  
CHECK C. CORNWELL  
PROJECT MANAGER C. CORNWELL



AFFIX SEAL: GREENMAN - PEDERSEN, INC  
ON: 4/5/2022

ALTERED BY:  
ON:



AS-BUILT REVISIONS  
DESCRIPTION OF ALTERATIONS:

LEPPER ROAD (CR 20)

ROADWAY WIDENING

TOWN OF AMSTERDAM

COUNTY: MONTGOMERY

REGION: 2

PIN  
CR 20  
UTILQLVL = C

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER

GENERAL PLANS

DRAWING NO. GNP-6

SHEET NO. 19

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.

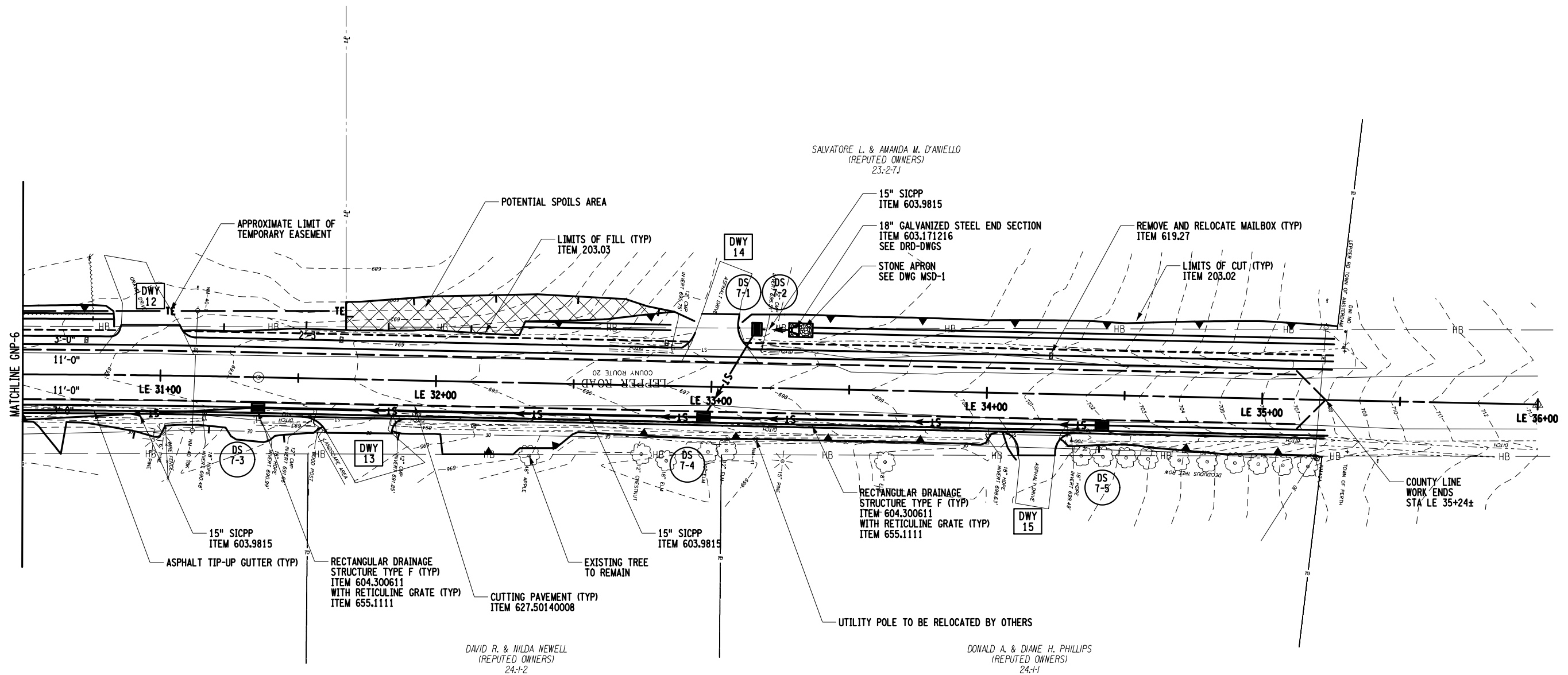
**GPI** GREENMAN-PEDERSEN, INC.  
CONSULTING ENGINEERS

MONTGOMERY COUNTY  
DEPARTMENT OF PUBLIC WORKS




FILE NAME = ...\\2019066.01 oph\_gnp-7.dgn  
DATE/TIME = 4/27/2022  
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DESIGN SUPERVISOR C. CORNWELL  
JOB MANAGER F. MASTROIANNI  
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CHECK C. CORNWELL  
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PROJECT MANAGER C. CORNWELL



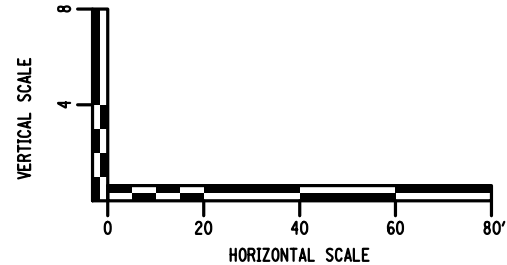
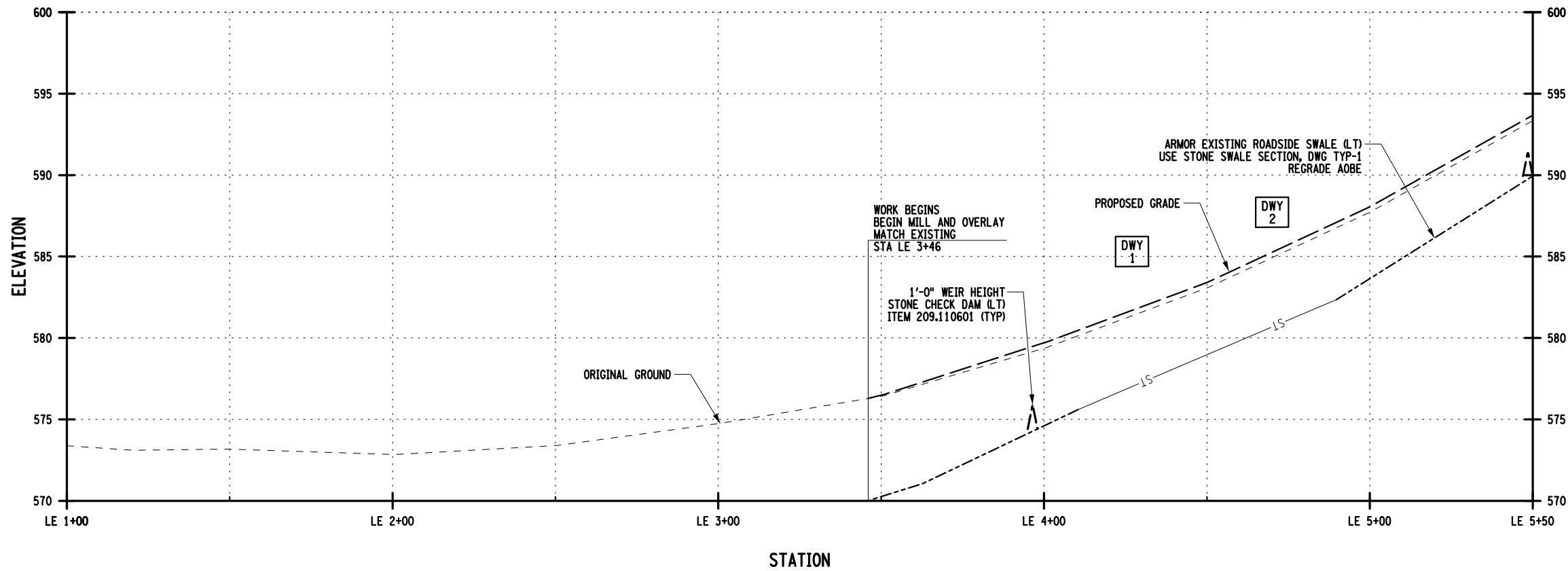
AFFIX SEAL: GREENMAN - PEDERSEN, INC  
ON: 4/5/2022

ALTERED BY:  
ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----
	ROADWAY WIDENING				GENERAL PLANS	DRAWING NO. GNP-7 SHEET NO. 20
	TOWN OF AMSTERDAM					
	COUNTY: MONTGOMERY					
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.						
					<div><div><div>GPI</div><div>GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS</div></div></div>	<div><div><div>MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS</div></div></div>

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DATE/TIME = 4/27/2022  
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JOB MANAGER F. MASTROIANNI  
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PROJECT MANAGER C. CORNWELL



AFFIX SEAL: GREENMAN - PEDERSEN, INC  
ON: 4/5/2022

ALTERED BY:  
ON:

NOTES:  
1. ROADWAY RECONSTRUCTION AND GRADE IMPROVEMENTS BETWEEN STA LE 1+98 AND STA 3+46 COMPLETED IN PRIOR CULVERT REPLACEMENT CONTRACT. ADDITIONAL MILLING AND OVERLAY MAY BE NECESSARY TO ENSURE SMOOTH TRANSITION FROM PREVIOUS WORK TO WORK PERFORMED THIS CONTRACT.

AS-BUILT REVISIONS  
DESCRIPTION OF ALTERATIONS:

LEPPER ROAD (CR 20)

ROADWAY WIDENING

TOWN OF AMSTERDAM

COUNTY: MONTGOMERY

PIN  
CR 20  
UTILQLVL = C

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

PROFILES

CONTRACT NUMBER  
-----

DRAWING NO. PRO-1  
SHEET NO. 21

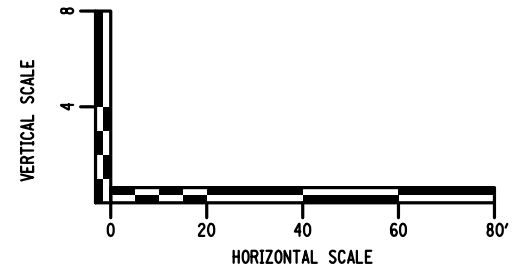
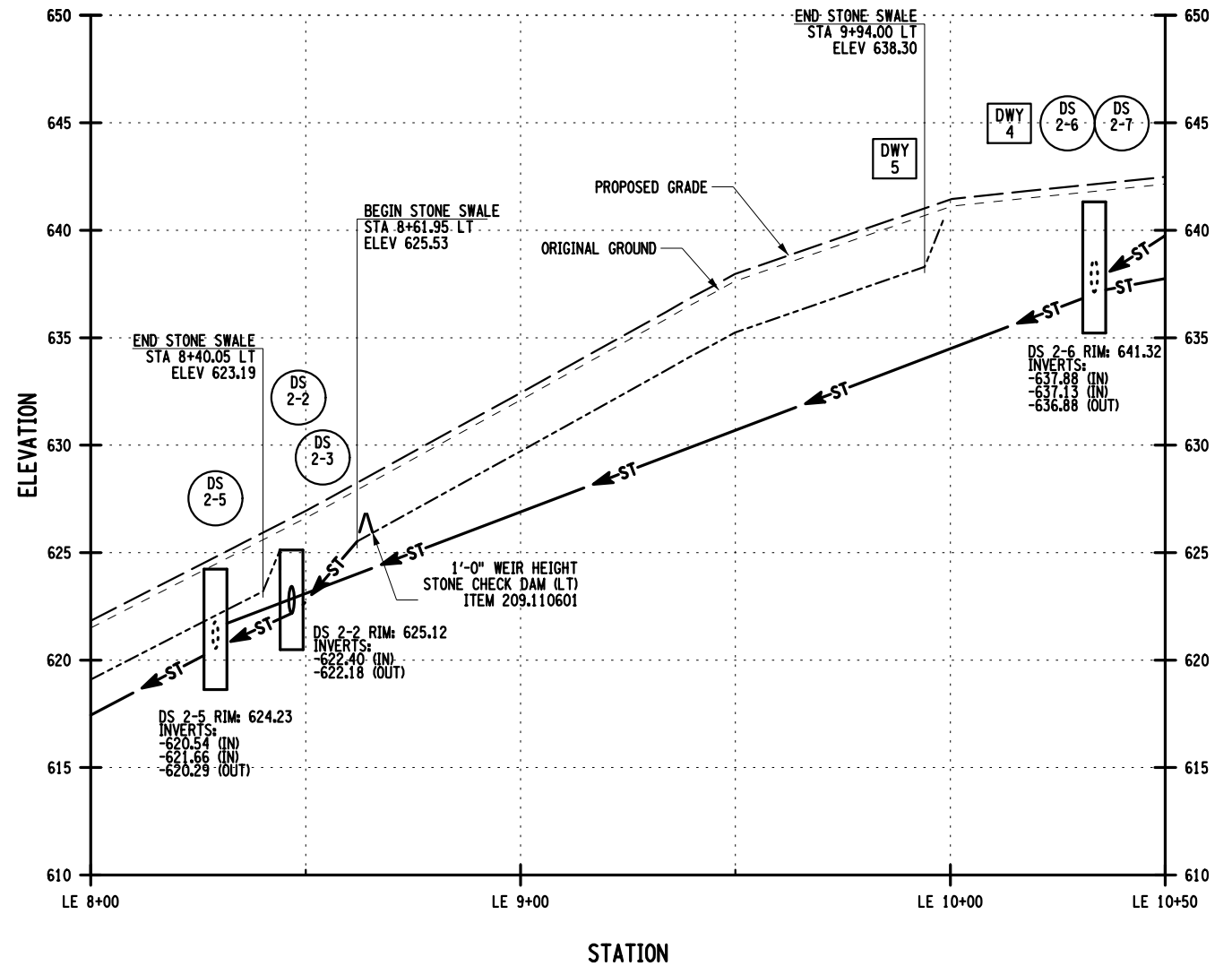
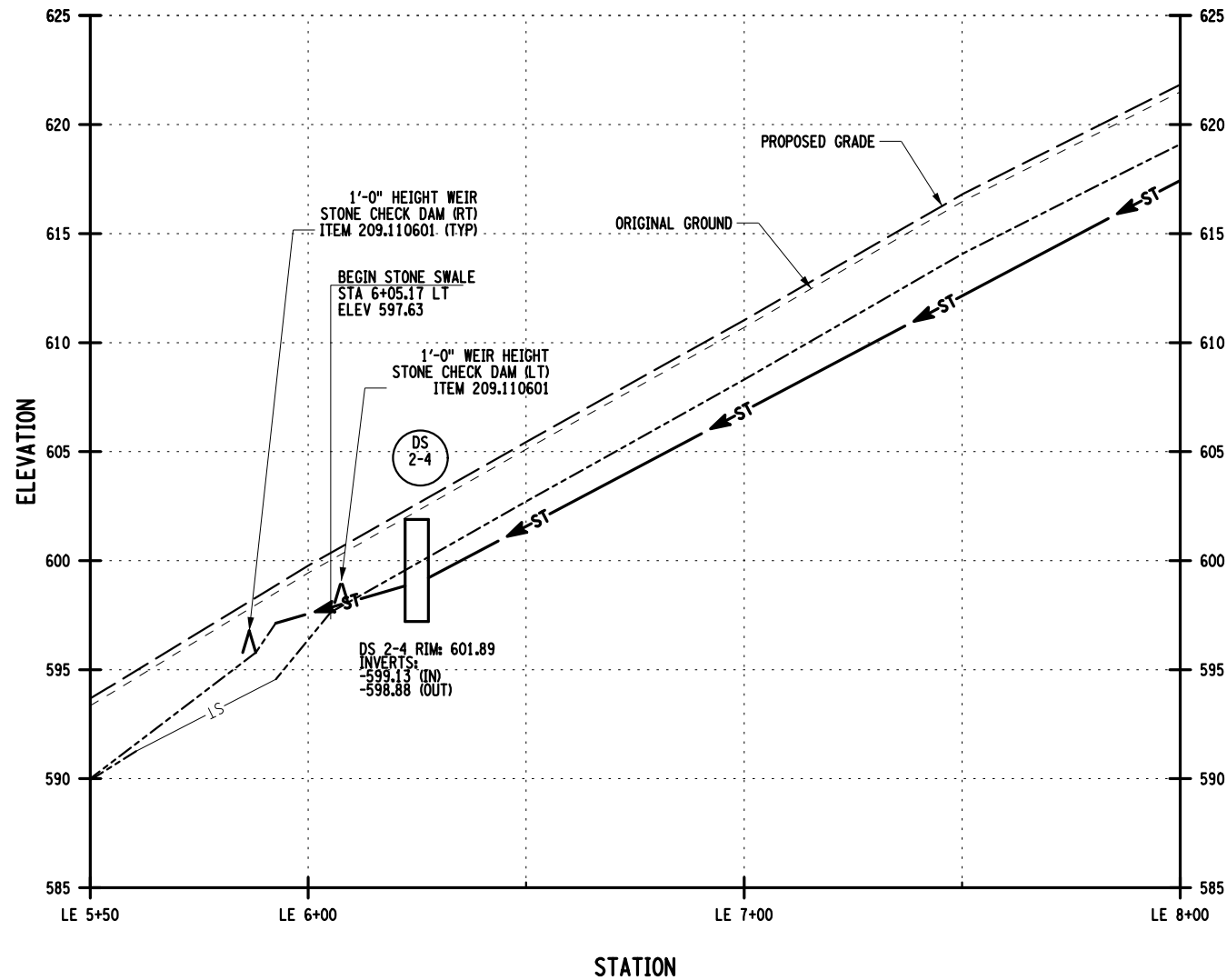
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**GPI** GREENMAN-PEDERSEN, INC.  
CONSULTING ENGINEERS

MONTGOMERY COUNTY  
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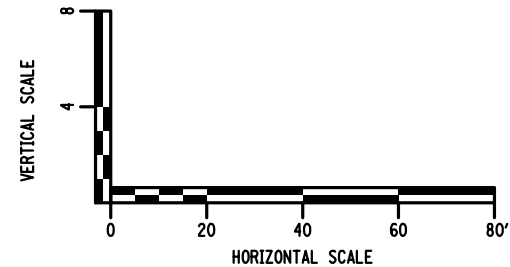
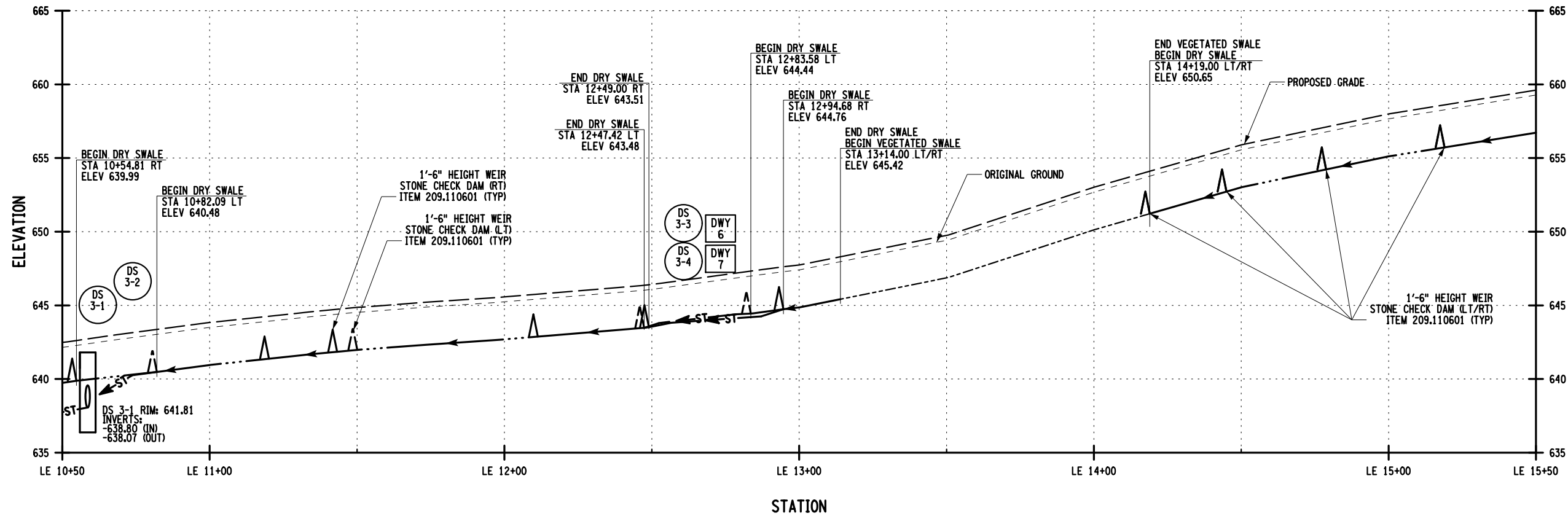
AFFIX SEAL: GREENMAN - PEDERSEN, INC  
ON: 4/5/2022

ALTERED BY:  
ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----
	ROADWAY WIDENING				PROFILES	DRAWING NO. PRO-2 SHEET NO. 22
	TOWN OF AMSTERDAM					
	COUNTY: MONTGOMERY					
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.						
					<b>GPI</b> GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS	 MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS

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DATE/TIME = 4/27/2022  
USER = mhacker

DESIGN SUPERVISOR C. CORNWELL  
JOB MANAGER F. MASTROIANNI  
DESIGN M. HACKER  
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DRAFTING M. HACKER  
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PROJECT MANAGER C. CORNWELL



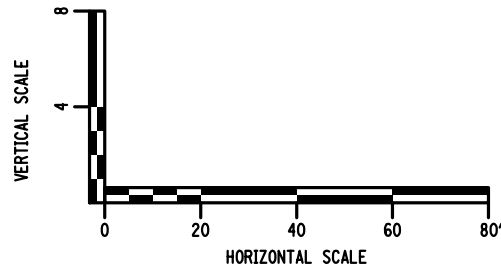
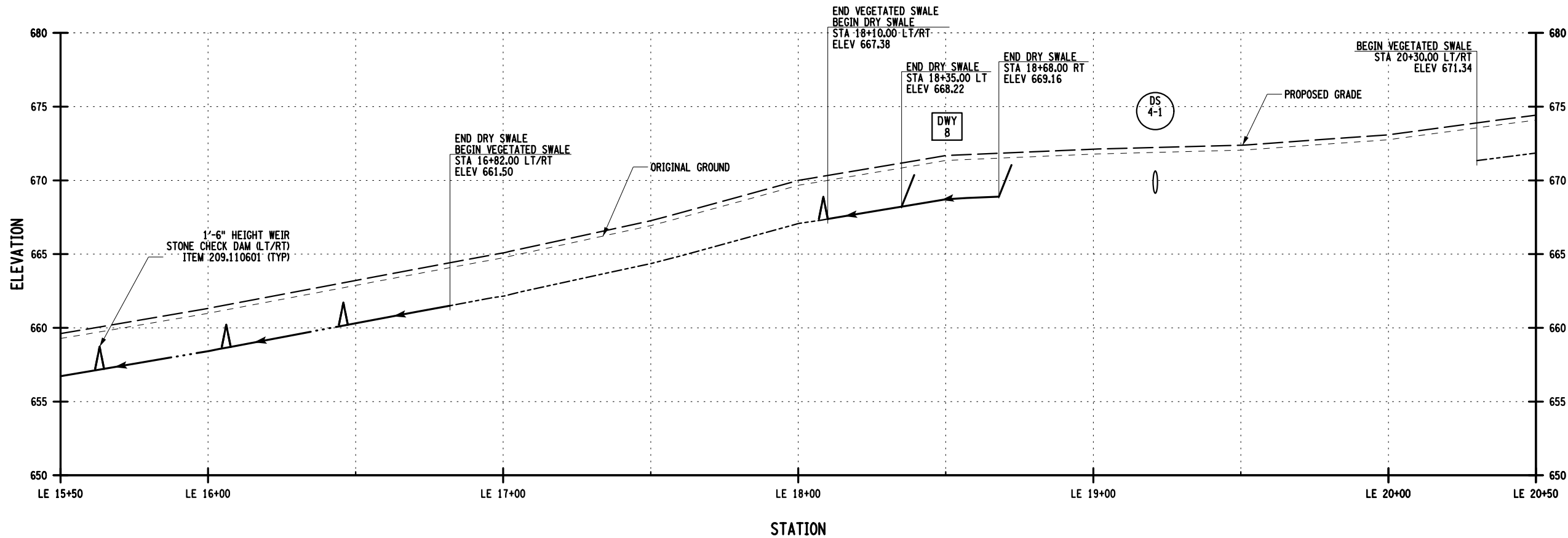
AFFIX SEAL: GREENMAN - PEDERSEN, INC  
ON: 4/5/2022

ALTERED BY:  
ON:


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----
	ROADWAY WIDENING				PROFILES	DRAWING NO. PRO-3 SHEET NO. 23
	TOWN OF AMSTERDAM					
	COUNTY: MONTGOMERY REGION: 2					
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. 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ALTERATION.					<div><div><div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div></div><div><d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DATE/TIME = 4/27/2022  
USER = mhacker

DESIGN SUPERVISOR C. CORNWELL  
JOB MANAGER F. MASTROIANNI  
DESIGN M. HACKER  
CHECK C. CORNWELL  
DRAFTING M. HACKER  
CHECK C. CORNWELL  
PROJECT MANAGER C. CORNWELL

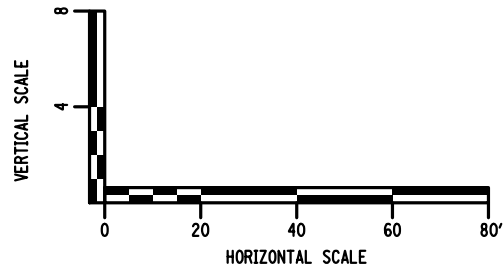
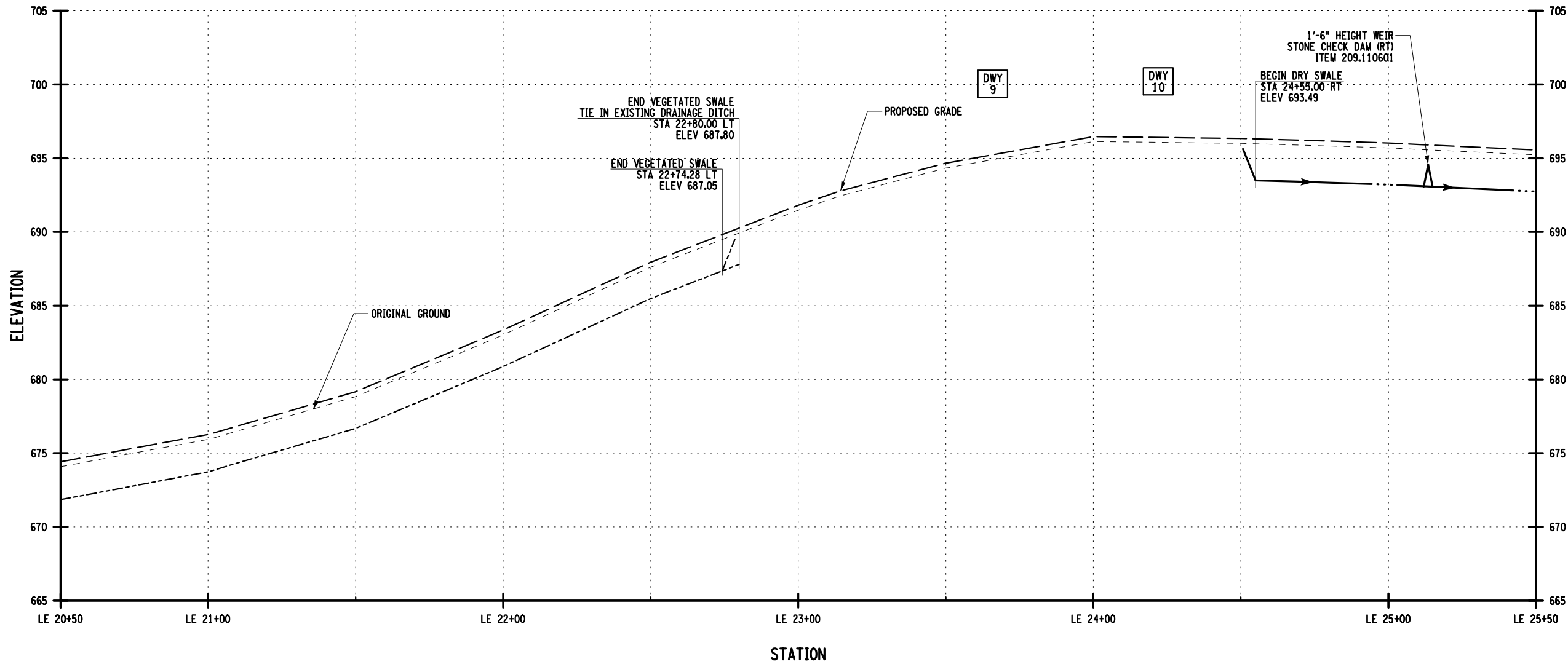


AFFIX SEAL: GREENMAN - PEDERSEN, INC ON: 4/5/2022		ALTERED BY: ON:	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----
	ROADWAY WIDENING				PROFILES	DRAWING NO. PRO-4 SHEET NO. 24
	TOWN OF AMSTERDAM					
	COUNTY: MONTGOMERY					
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.					<div><div><div>GPI</div><div>GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS</div></div><div><div>MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS</div></div></div>	

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PROJECT MANAGER C. CORNWELL



AFFIX SEAL: GREENMAN - PEDERSEN, INC ON: 4/5/2022		ALTERED BY: ON:	

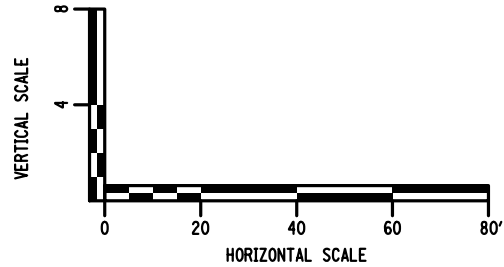
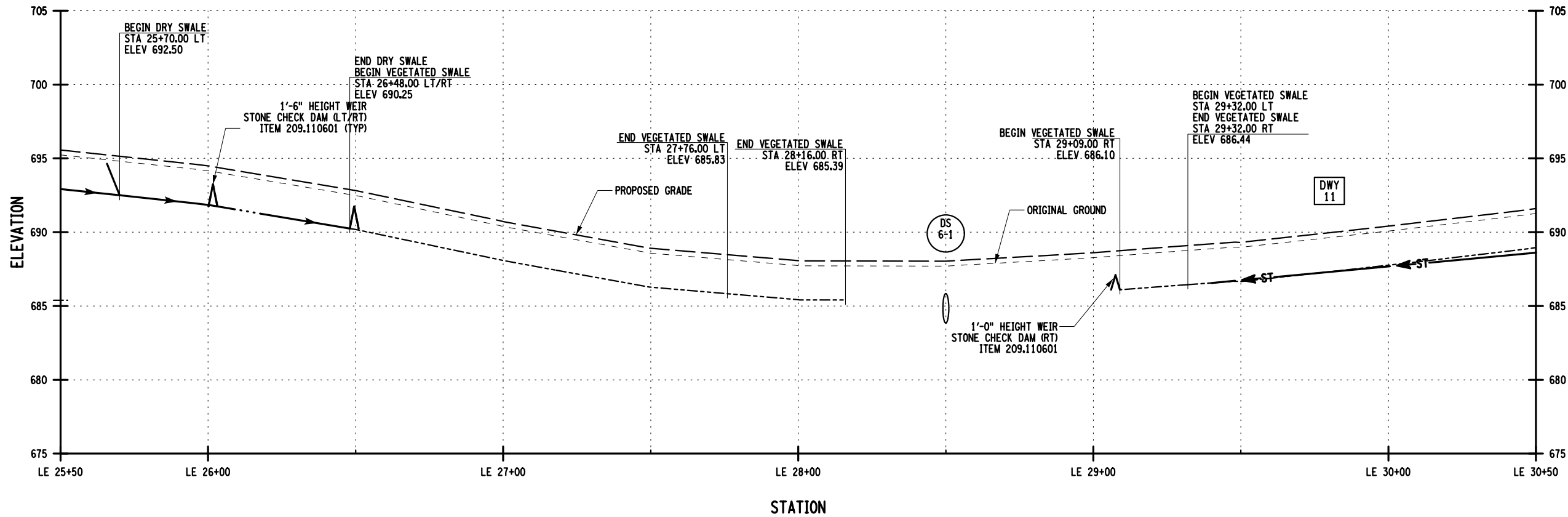
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----
	ROADWAY WIDENING				PROFILES	DRAWING NO. PRO-5 SHEET NO. 25
	TOWN OF AMSTERDAM					
	COUNTY: MONTGOMERY					
IT IS A VIOLATION 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.						

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DESIGN SUPERVISOR C. CORNWELL  
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CHECK C. CORNWELL  
DRAFTING M. HACKER  
CHECK C. CORNWELL  
PROJECT MANAGER C. CORNWELL



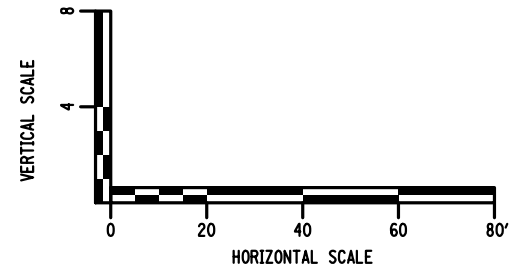
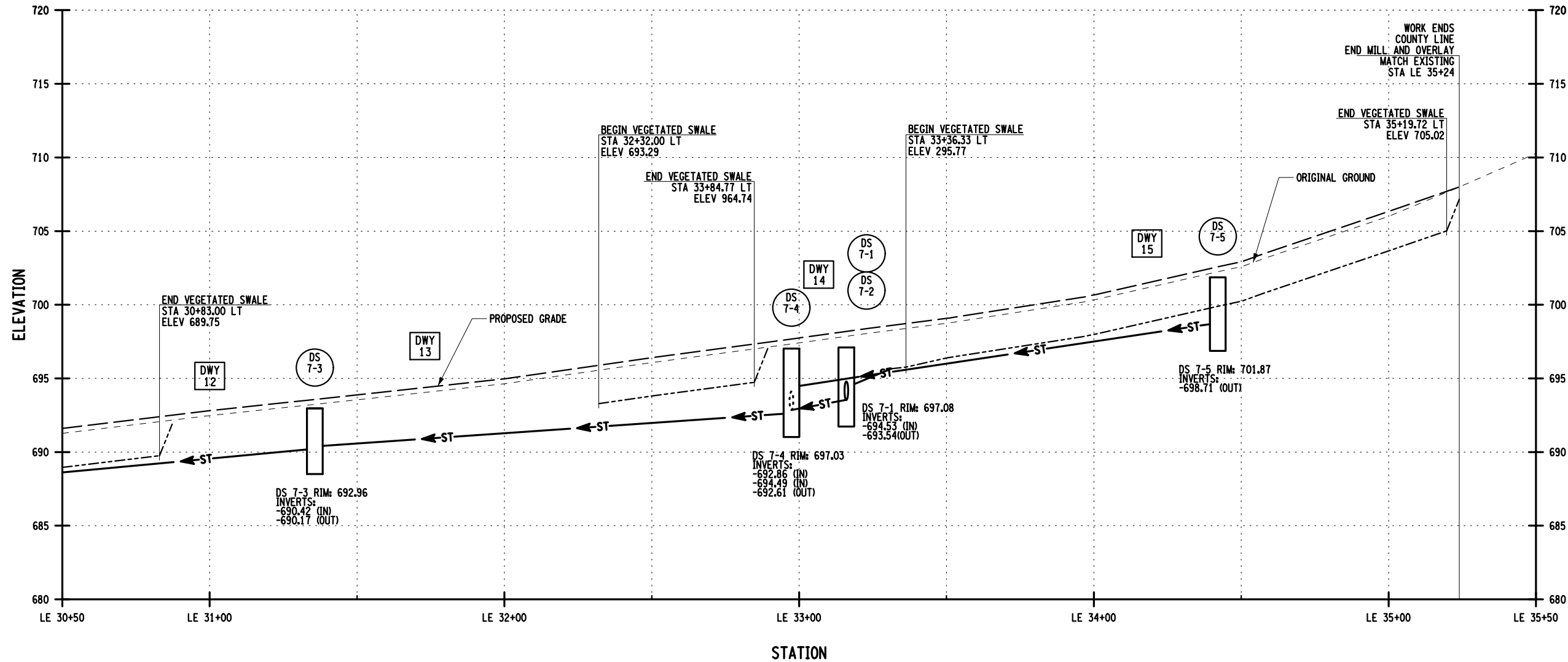
AFFIX SEAL: GREENMAN - PEDERSEN, INC  
ON: 4/5/2022

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AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----
	ROADWAY WIDENING				PROFILES	DRAWING NO. PRO-6 SHEET NO. 26
	TOWN OF AMSTERDAM					
	COUNTY: MONTGOMERY					
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.					<div><div><div>GPI</div><div>GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS</div></div><div><div>MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS</div></div></div>	

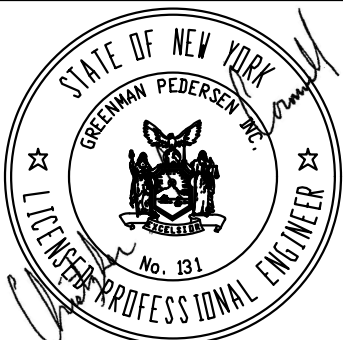
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AFFIX SEAL: GREENMAN - PEDERSEN, INC  
ON: 4/5/2022

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AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----
	ROADWAY WIDENING				PROFILES	DRAWING NO. PRO-7 SHEET NO. 27
	TOWN OF AMSTERDAM					
	COUNTY: MONTGOMERY					
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.						
					 GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS	 MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS

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ESTIMATE OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	ESTIMATE	FINAL
201.06	CLEARING AND GRUBBING	LS	1	
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	5,770	
203.03	EMBANKMENT IN PLACE	CY	590	
203.07	SELECT GRANULAR FILL	CY	447	
206.0201	TRENCH AND CULVERT EXCAVATION	CY	924	
207.22	GEOTEXTILE DRAINAGE	SY	372	
208.01030022	BIORETENTION AND DRY SWALE SOIL	CY	310	
209.1003	SEED AND MULCH TEMPORARY	SY	200	
209.110601	CHECK DAM, (DITCH BOTTOM WIDTH > 0' TO 3') STONE-PERMANENT	EA	37	
209.13	SILT FENCE - TEMPORARY	LF	6,400	
209.200301	TURF REINFORCEMENT MATS, CLASS III TYPE C, PERMANENT	SY	6,295	
209.22	CONSTRUCTION ENTRANCE	SY	151	
304.12	SUBBASE COURSE, TYPE 2	CY	1,716	
402.018904	TRUING & LEVELING F9, HMA, 80 SERIES COMPACTION	TON	20	
402.128304	12.5 F3 TOP COURSE HMA, 80 SERIES COMPACTION	TON	841	
402.258904	25 F9 BINDER COURSE HMA, 80 SERIES COMPACTION	TON	839	
402.378904	37.5 F9 BASE COURSE HMA, 80 SERIES COMPACTION	TON	681	
405.02010007	COLD RECYCLING ASPHALT CONCRETE	SY	6,560	
407.0103	STRAIGHT TACK COAT	GAL	751	
490.10	PRODUCTION COLD MILLING BITUMINOUS CONCRETE	SY	6,560	
552.17	SHIELDS AND SHORING	SF	1,974	
553.030001	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA	16	
555.0105	CONCRETE FOR STRUCTURES - CLASS A	CY	4	
603.171216	GALVANIZED STEEL END SECTIONS - PIPE (2-2/3" X 1/2" CORRUGATIONS) 18 INCH DIAMETER, 16 GAUGE	EA	9	
603.171416	GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2" CORRUGATIONS) 24 INCH DIAMETER, 16 GAUGE	EA	4	
603.171614	GALVANIZED STEEL END SECTIONS - PIPE (2-2/3" X 1/2" CORRUGATIONS) 30 INCH DIAMETER, 14 GAUGE	EA	6	
603.9815	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 15 INCH DIAMETER	LF	644	
603.9818	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORMDRAIN 18 INCH DIAMETER	LF	531	
603.9824	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 24 INCH DIAMETER	LF	39	
603.99010008	TRASH RACK	EA	10	
604.300611	RECTANGULAR DRAINAGE STRUCTURE TYPE F FOR #11 WELDED FRAME	LF	47	
605.1701	OPTIONAL UNDERDRAIN PIPE, 4" DIAMETER	LF	1,674	
605.1001	UNDERDRAIN FILTER, TYPE 2	CY	61	
606.5920	RESETTING BOX BEAM GUIDE RAILING END ASSEMBLY	EA	1	
607.97000008	REMOVE AND RESET EXISTING FENCE	LF	733	
608.020102	HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS, AND BICYCLE PATHS	TON	47	
610.1402	TOPSOIL - ROADSIDE	CY	700	
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY	6,295	
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	1	
619.27	MAILBOXES	EA	12	
620.03	STONE FILLING - LIGHT	CY	428	
620.0802	BEDDING MATERIAL - TYPE II	CY	216	
623.10	SCREENED GRAVEL (IN-PLACE MEASURE)	CY	248	
625.01	SURVEY OPERATIONS	LS	1	
627.50140008	CUTTING PAVEMENT	LF	6,412	
645.5102	GROUND MOUNTED SIGN PANELS WITH Z BARS	SF	30	
645.81	TYPE A SIGN POSTS	EA	8	
647.51	REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE 1	EA	7	
655.1111	WELDED FRAME AND RETICULINE GRATE 11	EA	9	

AFFIX SEAL: GREENMAN - PEDERSEN, INC  
ON: 4/5/2022



ALTERED BY:  
ON:

ALTERED BY:  
ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LEPPER ROAD (CR 20)	PIN CR 20 UTILQLVL = C	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER -----
	ROADWAY WIDENING					
	TOWN OF AMSTERDAM				ESTIMATE OF QUANTITIES	DRAWING NO. EOQ-1
	COUNTY: MONTGOMERY REGION: 2					SHEET NO. 28
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.					 GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS	 MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS