

PROJECT LOCATION



LOGTOWN ROAD (CR 110) ROADWAY RECONSTRUCTION

TOWN OF SPRAKERS, MONTGOMERY COUNTY

RFP 02-23

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE NYS DOT, 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 (AS 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 NYS DOT POLICIES AND GUIDELINES.

CONTRACTOR'S NAME _____

AWARD DATE _____

COMPLETION DATE _____

FINAL ACCEPTANCE DATE _____

FINAL COST TOTAL _____

MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS

THE BASIS OF WORK FOR SEVERAL ITEMS IN THIS CONTRACT WILL DIFFER FROM THE NYS DOT STANDARD SPECIFICATIONS IN THE FOLLOWING WAYS:

WHILE THE WORK FOR THE FOLLOWING ITEMS IS SHOWN IN THE PLANS AND BID TABS, WORK FOR THESE ITEMS WILL BE PERFORMED ENTIRELY BY MONTGOMERY COUNTY.

- ITEM 201.06 - CLEARING AND GRUBBING
- ITEM 404.128301 - 12.5 F3 TOP COURSE WMA
- ITEM 404.258901 - 25 F9 BINDER COURSE WMA
- ITEM 404.378901 - 37.5 F9 BASE COURSE WMA
- ITEM 407.0103 - STRAIGHT TACK COAT
- ITEM 490.30 - MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE
- ITEM 552.17 - SHIELDS AND SHORING
- ITEM 645.5102 - GROUND MOUNTED SIGN PANELS
- ITEM 645.81 - TYPE A SIGN POSTS
- ITEM 646.22 - SNOW PLOWING MARKER
- ITEM 646.32 - STEEL POST
- ITEM 647.51 - REMOVE AND DISPOSE SIGN PANEL

MONTGOMERY COUNTY WILL INSTALL ALL WZTC SIGNAGE AS SHOWN ON MPP-01. IT WILL BE UP TO THE CONTRACTOR TO MAINTAIN THIS SIGNAGE DURING CONSTRUCTION ALONG WITH THE ONSITE WZTC PHASING AS SHOWN ON MPP-01. DETOUR SIGNAGE SHALL REMAIN IN PLACE UPON COMPLETION AND REMOVED BY THE COUNTY. WORK WILL BE PAID FOR UNDER THE FOLLOWING ITEM:

- ITEM 619.01 - BASIC WORK ZONE TRAFFIC CONTROL

MONTGOMERY COUNTY WILL ORDER ALL OF THE DRAINAGE STRUCTURE ITEMS, EXCEPT FOR THE BOX CULVERT AND RELATED ITEMS, AND HAVE THEM DELIVERED TO THE PROJECT SITE FOR THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR FURNISHING ALL LABOR AND EQUIPMENT NECESSARY TO SATISFACTORILY COMPLETE THE WORK, NOT THE COST FOR THE MATERIALS. ITEMS INCLUDED:

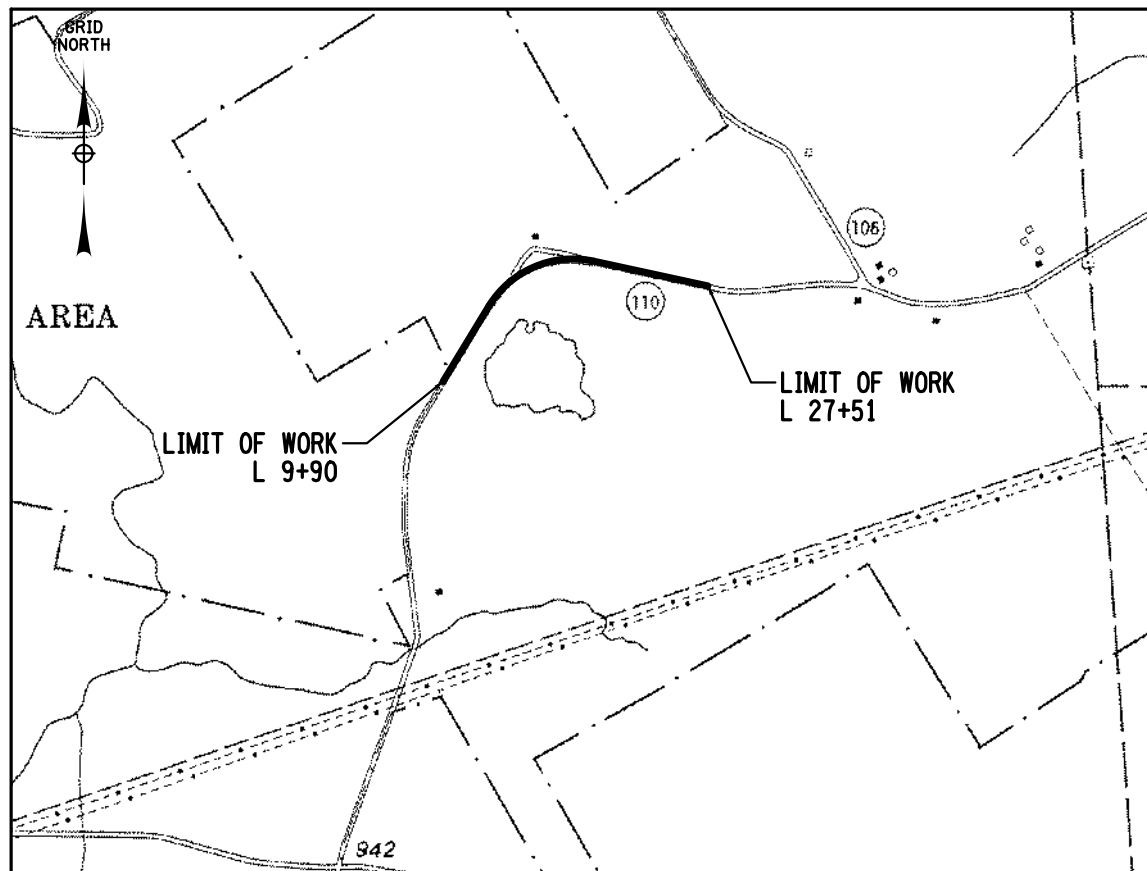
- ITEM 603.9815 - 15" SICPP CULVERT

THIS PROJECT WILL NOT INCLUDE THE FOLLOWING ITEMS:

- ITEM 698.04 - ASPHALT PRICE ADJUSTMENT
- ITEM 698.05 - FUEL PRICE ADJUSTMENT

APPROVED BY

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



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

LOGTOWN ROAD (COUNTY ROUTE 110)		
RECONSTRUCTION		
TOWN OF SPRAKERS		
COUNTY: MONTGOMERY		
FED. ROAD REG. NO.	STATE	SHEET NO.
2	N.Y.	1

INDEX ON SHEET NO. 2

PROJECT MANAGER C. CORNWELL
CHECK C. CORNWELL
DRAFTING T. VYCE
DESIGN T. VYCE
JOB MANAGER C. CORNWELL
DESIGN T. VYCE
CHECK C. CORNWELL
DRAFTING T. VYCE

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 W/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		
PVI	POINT OF VERTICAL INTERSECTION	HWY	HIGHWAY		
PVT	POINT OF VERTICAL TANGENT	IP	IRON PIN OR IRON PIPE		
R	RADIUS	MB	MAILBOX		
SC	SPIRAL TO CURVE	MON	MONUMENT		
SSD	STOPPING SIGHT DISTANCE	N&W	NAIL AND WASHER		
ST	SPIRAL TO TANGENT	OG	ORIGINAL GROUND		
STA	STATION	O/H	OVERHEAD		
T	TANGENT LENGTH	P	PARCEL		
TGL	THEORETICAL GRADE LINE	PAV/T	PAVEMENT		
TS	TANGENT TO SPIRAL	PE	PERMANENT EASEMENT		
VC	VERTICAL CURVE	PED POLE	PEDESTRIAN POLE		
		P	PROPERTY LINE		
		POR	PORCH		
		RR	RAILROAD		
		RTE	ROUTE		
		ROW	RIGHT OF WAY		
		RW	RETAINING WALL		
		SH	STATE HIGHWAY		
		SHLDR	SHOULDER		
		SPK	SPIKE		
		ST	STREET		
		STK	STAKE		
		STY	STORY		
		SW	SIDEWALK		
		TE	TEMPORARY EASEMENT		
		TO	TEMPORARY OCCUPANCY		
		U/G	UNDERGROUND		
		WW	WING WALL		

SUBSURFACE EXPLORATION	
ABBR.	DESCRIPTION
	REPLACE ABBREVIATION "AB" WITH:
AH	HAND AUGER
CP	CONE PENETROMETER
DA	2 3/4 INCHES CASED DRILL HOLE
DM	DRILLING MUD
DN	4 INCHES CASED DRILL HOLE
FH	HOLLOW FLIGHT AUGER
PA	POWER AUGER
PH	PROBE
PT	PERCOLATION TEST HOLE
RP	1 INCH SAMPLER (RETRACTABLE PLUG)
	TO BE DEFINED AT THE TIME OF EXPLORATION
SP	SEISMIC POINT
TP	TEST PIT
	ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH:
B	BRIDGE
C	CUT
D	DAM
F	FILL
K	CULVERT
W	WALL
X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE

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

DRAWING INDEX			
DESCRIPTION	DWG NO	SHEET QUANTITY	SHEET NO
TITLE SHEET	CVR	1	1
INDEX AND ABBREVIATIONS	IND	1	2
LEGEND, LINE AND POINT SYMBOLLOGY	LEG	2	3
TYPICAL SECTIONS	TYP	1	5
GENERAL NOTES	GNN	1	6
MAINTENANCE/PROTECTION OF TRAFFIC PLANS	MPP	1	7
MISCELLANEOUS TABLES	MST	1	8
MISCELLANEOUS DETAILS	MSD	2	9
EARTHWORK SUMMARY	ESS	1	11
EROSION CONTROL NOTES	ECN	1	12
GENERAL PLANS	GNP	4	13
PROFILES	PRO	2	17
DRAINAGE CROSS SECTIONS	DSC	1	19
BOX CULVERT DETAILS	ST	3	20
ESTIMATE OF QUANTITIES	EQQ	1	23
TOTAL SHEETS:			23

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	203-01		502-05	X	606-04		606-33	X	645-01		655-05		680-10
X	203-02	X	502-06		606-05		606-36		645-02		655-06		680-11
	203-03		502-07		606-06		606-37		645-03		655-07		680-12
X	203-04		502-08		606-07		606-38		645-05		655-08		680-13
	203-05		502-09		606-08		606-40		645-06		663-01		680-14
	204-01		502-10		606-09		606-41		645-07		663-02		680-16
X	209-01		502-11		606-10		606-42		645-09		663-03		680-17
	209-02		502-12		606-11		606-43		645-10		663-04	X	685-01
X	209-03		502-13		606-13		606-44	X	645-11		663-05		
	209-04		502-14		606-14		607-01		645-12		663-06		
	209-05		554-01		606-15		607-04		645-14		663-07		
	209-06		554-02		606-18		607-05		646-11		664-01		
	209-07		601-01		606-19		607-06		646-12		670-01		
	212-01	X	603-01		606-20		608-01		646-13		670-02		
	212-02		603-02		606-21		608-02		646-14		670-03		
	212-03		603-03		606-22	X	608-03		646-15		680-01		
	212-04	X	603-04		606-24		608-07		646-16		680-02		
	212-05		603-05		606-25		609-01		649-02		680-03		
X	402-01		604-01		606-27		611-01		649-03		680-04		
	502-01	X	604-02		606-28		624-01		649-04		680-05		
	502-02		605-01		606-29		625-01		655-01		680-06		
	502-03		606-01		606-31		630-01		655-02		680-07		
	502-04		606-02		606-32		632-01		655-04		680-08		

New York State Department of Transportation - 619 Standard Sheets

X	SHEET NO.	X	SHEET NO.	X	SHEET NO.	X	SHEET NO.	X	SHEET NO.
	619-001		619-043		619-209		619-315		619-415
X	619-002		619-044		619-211		619-316		619-416
	619-004		619-080		619-212		619-317		619-417
	619-005		619-090		619-301		619-318		619-418
X	619-010		619-091		619-302		619-319		619-421
X	619-011		619-110		619-303		619-321		619-422
X	619-012		619-111		619-304		619-322		619-423
	619-021		619-112		619-305		619-323		619-501
	619-022		619-113		619-306		619-324		619-502
	619-024		619-114		619-307		619-325	X	619-503
	619-025		619-201		619-308		619-401		619-504
	619-026		619-202		619-309		619-402		619-517
	619-031		619-203		619-310		619-403		619-518
	619-033		619-205		619-311		619-407		619-519
	619-034		619-206		619-312		619-410		619-520
	619-041		619-207		619-313		619-412		619-523
	619-042		619-208		619-314		619-414		619-524

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER RFP 02-23
					INDEX AND ABBREVIATIONS	DRAWING NO. IND-01 SHEET NO. 2
	TOWN OF SPRAKERS	REGION: 2				
	COUNTY: MONTGOMERY					MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS
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	

FILE NAME = ..\CADD\log_oph_log-1.dgn
 DATE/TIME = 1/20/2023
 USER = tyjce

PROJECT MANAGER C. CORNWELL
 CHECK C. CORNWELL
 DRAFTING T. VYCE
 CHECK C. CORNWELL
 DESIGN T. VYCE
 JOB MANAGER C. CORNWELL

ALIGNMENT			LANDSCAPE			ROADWAY			TRAFFIC WORK ZONE			
STYLE	NAME	DESCRIPTION	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		RGC	GUIDE RAIL, CABLE	UTILITIES			
	BSHT	SHEET PILING		LCUT_P	CUT LIMIT		RGBM	GUIDE RAIL, BOX BEAM, MEDIAN	STYLE	NAME	DESCRIPTION	
CONTROL				LFILL_P	FILL LIMIT		RGC	GUIDE RAIL, CONCRETE BARRIER		UC	CONDUIT, UNDERGROUND	
	CB	BASELINE		LFNC	FENCE		RGP_P	GUIDE POST		UCH	CONDUIT, HANGING	
	CBPR	BASELINE, PROJECTION		LTRC	TREE ROW, CONIFEROUS		RGW	GUIDE RAIL, W BEAM		UCO	CONDUIT, OVERHEAD	
DRAINAGE				LTRD	TREE ROW, DECIDUOUS		RGWM	GUIDE RAIL, W BEAM, MEDIAN		UE	ELECTRIC LINE, UNDERGROUND	
	DCP	CULVERT PIPE		LWR	WALL, H PILE		RPB	PARKING BUMPER		UEH	ELECTRIC LINE, HANGING	
	DCP_P	CULVERT PIPE (DIR)		LWS	WALL, STONE		RRC	RAIL ROAD, CATENARY		UEO	ELECTRIC LINE, OVERHEAD	
	DDG_P	DITCH, GRASS LINED	ROW MAPPING				RRER	RAIL ROAD, 3RD RAIL		UETO	ELECTRIC TRANSMISSION, OVERHEAD	
	DDP_P	DITCH, PAVED INVERT		MDL	DEED LINE		RRPLS.P	RAIL, PHOTO, LARGE SCALE		UESS	ELECTRIC, SUBSTATIONS	
	DDS_P	DITCH, STONE LINED		MEE	EASEMENT, EXISTING		RRPSS	RAIL, PHOTO, SMALL SCALE		UF0	FIBER OPTIC, UNDERGROUND	
	DFL_P	FLOW LINE		MEP_P	EASEMENT, PERMANENT		RRS	RUMBLE STRIP		UFOH	FIBER OPTIC, HANGING	
	DSSD	SLOTTED DRAIN		MEPA_P	EASEMENT, PERMANENT, APPROX.		RRSL.S.P	RAIL, SURVEY, LARGE SCALE		UFOO	FIBER OPTIC, OVERHEAD	
	DUD_P	UNDERDRAIN		MET_P	EASEMENT, TEMPORARY		RRSSS	RAIL, SURVEY, SMALL SCALE		UG	GAS, UNDERGROUND	
ENVIRONMENTAL				META_P	EASEMENT, TEMPORARY, APPROX.	SIGNS				UGH	GAS, HANGING	
	EBLHS	BALE, STRAW		MF_P	FEE ACQUISITION, W/ ACCESS		SBLB	BILLBOARDS		UGO	GAS, OVERHEAD	
	ECT	CURTAIN, TURBIDITY		MFA_P	FEE ACQUISITION, APPROXIMATE		SM	MULTIPLE POST		UIC	INFORM CABLE, UNDERGROUND	
	EDMC	DAM, COFFER		MFS_P	FEE ACQUISITION, SHAPE		SSO	STRUCTURE, OVERHEAD		UICH	INFORM CABLE, HANGING	
	EDMEC.P	DAM, EARTHEN CHECK		MFWOA.P	FEE ACQUISITION, W/O ACCESS		SSOC	STRUCTURE, OVHD. CANTILEVER		UO	OIL LINE, UNDERGROUND	
	EDMGC.P	DAM, GRAVEL BAG/SAND BAG CHECK		MHA	HISTORICAL, ACQUISITION	STRIPING				UOH	OIL LINE, HANGING	
	EDMPC.P	DAM, PREFABRICATED CHECK		MHB	HIGHWAY BOUNDARY		STB*	BROKEN LINE		UPBP	POLE, BRACE, PUSH BRACE	
	EDMSC.P	DAM, STONE CHECK		MHBW	HWY BOUNDARY, FACE OF WALL		STDB*	DOUBLE BROKEN LINE		UPGW	POLE, GUY WIRE	
	EFNS	FENCE, SILT		MHBA	HIGHWAY BOUNDARY, APPROX.		STDL*	DOTTED LINE LONG		USA	SANITARY SEWER, UNDERGROUND	
	EFNSV	FENCE, SILT & VEGETATION		MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS		STDS*	DOTTED LINE SHORT		USAH	SANITARY SEWER, HANGING	
	EFNV	FENCE, VEGETATION		MJC	JURISDICTION, CITY		STFB*	FULL BARRIER LINE		USAF	SANITARY SEWER, FORCE MAIN, UGND	
	EWAA_P	WETLAND, ADJACENT AREA		MJCY	JURISDICTION, COUNTY		STFH*	HATCH LINE		USAFH	SANITARY SEWER, FORCE MAIN, HANG	
	EWf	WETLAND, FEDERAL		MJHD	JURISDICTION, HISTORIC DISTRICT		STH*	PARTIAL BARRIER LINE		UT	TELEPHONE, UNDERGROUND	
	EWFS	WETLAND, FEDERAL AND STATE		MJLL	JURIS., (GREAT, MILITARY) LOT LINE		STPB*	PARTIAL BARRIER LINE		UTH	TELEPHONE, HANGING	
	EWM	WETLAND, MITIGATION AREA		MJN	JURISDICTION, NATION		STRCT	ROUNDABOUT, CAT TRACKS		UTO	TELEPHONE, OVERHEAD	
	EWS	WETLAND, STATE		MJPB	JURISDICTION, PUBLIC LANDS		STRYL	ROUNDABOUT, YIELD LINE		UTV	CABLE TV, UNDERGROUND	
				MJS	JURISDICTION, STATE		STSB	STOP BAR		UTVH	CABLE TV, HANGING	
				MJT	JURISDICTION, TOWN		STSE*	SOLID, EDGE		UTVO	CABLE TV, OVERHEAD	
				MJV	JURISDICTION, VILLAGE		STXL	X WALK, LADDER LINE		UUU	UNKNOWN, UNDERGROUND	
				MPL	PROPERTY LOT LINE		STXLB	X WALK, LADDER BAR LINE		UUH	UNKNOWN, HANGING	
				MPLA	PROPERTY LOT LINE, APPROXIMATE		* = W (WHITE) OR Y (YELLOW)				UJO	UNKNOWN, OVERHEAD
				MSL	SUB LOT LINE	TRAFFIC CONTROL				UW	WATER LINE, UNDERGROUND	
							TCSW	SIGNAL, SPAN WIRE		UWH	WATER LINE, HANGING	
										UWO	WATER LINE, OVERHEAD	

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.

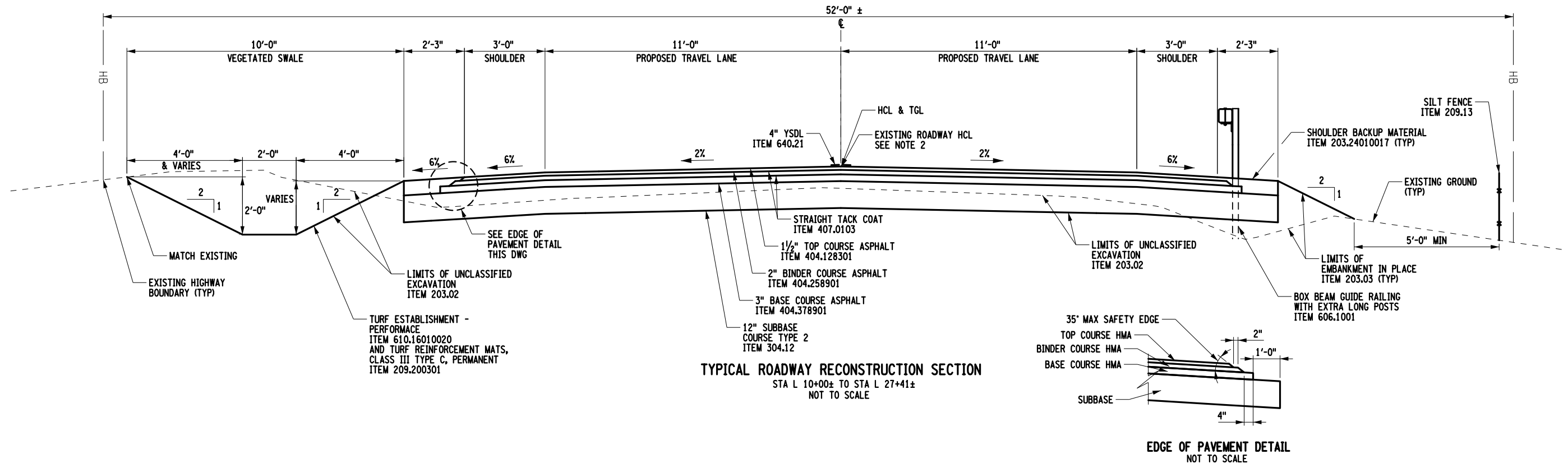
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER RFP 02-23
	TOWN OF SPRAKERS					
	COUNTY: MONTGOMERY	REGION: 2	LEGEND AND LINE SYMBOLOGY GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS			
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.						

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	A	IANT_P	ANTENNAS	+	MDL1P	DEED LINE, TYPE 1	+	S	SINGLE POST	+	UEB	ELECTRIC, BOX			
+	ACOGO	COGO	+	DS	STRUCTURE, RECTANGULAR	A	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	A	ICABPAD	CABINET & PAD	+	MDL3P	DEED LINE, TYPE 3	+	SB.P	BACK TO BACK, PROPOSED	+	UEMH	ELECTRIC, MANHOLE			
+	ADPL.P	DETOUR, POINT OF INTERSECT.	+	DSM	STRUCTURE, MANHOLE	A	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" = 48, 60, 72, 96	A	ICDPD	CDPD TRANSCEIVER	+	MDL5P	DEED LINE, TYPE 5	+	SPM	PARKING METER	+	UGM	GAS, METER			
+	AEQN	EQUATION	+	DSR	STRUCTURE, ROUND	A	ICELT	CELL PHONE TOWER	+	MEEP	EASEMENT, EXISTING	+	SRM	REFERENCE MARKERS	+	UGMH	GAS, MANHOLE			
+	AEQNAHD	EQUATION AHEAD	+	DST"X"CB.P	STRUCTURE, RECT., WITH CURB TYPE "X" = F, G, N, O, P, R	A	ICJB	CONDUIT JACK OR BORING	+	MEPAP.P	EASEMENT, PERM., APPROX.	+	SRSC3	SHLD, CTY, 123 DIG.	+	UGLM	GAS, LINE MARKER			
+	AEQNBK	EQUATION BACK	+	DST"X".P	STRUCTURE, RECT., TYPE "X" = I, K, L, M, O, P, U	A	ICNTLCAB	CONTROLLER CABINET	+	MEPP.P	EASEMENT, PERM., BACK LINE	+	SRSC4	SHLD, CTY, 4 DIG.	+	UGP	GAS/FUEL PUMP			
+	AEVT	EVENT STATION	ENVIRONMENTAL CULV EIOP.P STR., INLET, OUTLET PROT. GB EIPGB.P STR., INLET PROT., GRAVEL BAG H/S EIPHS.P STR., INLET PROT., HAY/STRAW PRFB EIPP.P STR., INLET PROT., PREFAB. SF EIPSF.P STR., INLET PROT., SILT FENCE ERCB RISER, CONCRETE BOX ETRS.P TRAP, SEDIMENT EWFG WETLAND FLAG GEOTECHNICAL GDH DRILL HOLE LANDSCAPE LELS ELEVATION, SPOT LFP FLAG POLE LMB MAILBOX LPB PAPER BOX LPST POST, SINGLE LRB ROCK, BOULDER LSHC SHRUB, CONIFEROUS LSHD SHRUB, DECIDUOUS LTC TREE, CONIFEROUS LTD TREE, DECIDUOUS LTS TREE, STUMP LTW.P TREE, WELL OR WALL LUKP UNKNOWN POINT			A	ICPB	COMMUNICATION PULL BOX	+	MEPSP.P	EASEMENT, PERM., SHAPE	+	SRSC2	SHLD, CTY TOUR, 1-2 DIG.	+	UGV	GAS, VALVE			
+	APC	POINT OF CURVATURE				A	ICTD	CONDUIT TURNING DOWN	A	ICTU	CONDUIT TURNING UP	+	MFBP.P	FEE ACQUISITION, APPROX.	+	SRSC4	SHLD, CTY TOUR, 3-4 DIG.	+	UGVT	GAS, VENT
+	APCC	POINT OF COMPOUND CURVATURE				A	ICVTRT	COMM. VEH. ROAD TRANSCEIVER	A	IDEFAULT	DEFAULT	+	MFP.P	FEE ACQUISITION, BACK LINE	+	SRSI	SHLD, INTERSTATE	+	ULP	LIGHTING, POLE
+	API	POINT OF INTERSECTION				A	IEZR	E-ZPASS READER	A	IEZTR	TRANSMITTAL READER	+	MFSP.P	FEE ACQUISITION, SHAPE	+	SRSN2	SHLD, NATIONAL, 2 DIG.	+	ULPM	LIGHTING, POLE, MEDIAN
+	APOB	POINT OF BEGINNING				A	IEZTR	TRANSMITTAL READER	A	IFOXCAB	FIBER OPTIC X-CONNECT CABINET	+	MHBAP	HIGHWAY BNDRY., APPROX.	+	SRSN3	SHLD, NATIONAL, 3 DIG.	+	ULPP	LIGHTING, POLE, PED.
+	APOC	POINT OF CURVATURE				A	IFUSSPL	FUSION SPLICE	A	IFUSPL	FUSION SPLICE	+	MHBCP	HISTORICAL, BLDG. CORNERS	+	SRSS2	SHLD, STATE, 2 DIG.	+	UMFC	MISC. FILLER CAP
+	APOE	POINT OF END				A	IHARADV	HAR ADVISORY SIGN	A	IHARST	HAR SITE	+	MHBP	HIGHWAY BNDRY, PT.	+	SRSS3	SHLD, STATE, 3 DIG.	+	UOLM	OIL, LINE MARKER
+	APOL	POINT ON LINE				A	ILC	LOAD CENTER	A	IMECSPL	MECHANICAL SPLICE	+	MJCP	PT., JURIS. CITY	+	SRSS4	SHLD, STATE, 4 DIG.	+	UP	POLE, WITH UTILITY
+	APOS	POINT ON SPIRAL				A	IMSCS	PORT. SPEED & COUNT SENSOR	A	IMSCS	PORT. SPEED & COUNT SENSOR	+	MPBC	PT., BUILDING CORNER	TRAFFIC CONTROL TCBJ BOX, JUNCTION TCBP BOX, PULL BOX TCBS BOX, SPLICE TCMC MICROCOMPUTER CABINET TCPP PED POLE TCSH SIGNAL HEADS TCSP SIGNAL POLE TRAFFIC WORK ZONE TWZAP.P ARROW PANEL TWZAPC.P ARROW PANEL, CAUTION MODE TWZAPT.P ARROW PANEL, TRAILER OR SUPPORT TWZBCD.P BARRICADE (TYPE III) TWZCMS.P CHANGEABLE MESSAGE SIGN (PVMS) TWZFLG.P FLAGGER TWZFT.P FLAG TREE TWZIA.P IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY) TWZLUM.P LUMINAIRE (TEMPORARY) TWZSDT.P SYMBOL, DIRECTION OF TRAFFIC TWZSDT.P SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR TWZSGN.P SIGN (TEMPORARY) TWZSIG.P SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY) TWZW.L.P WARNING LIGHT TWZWV.P WORK VEHICLE TWZWVA.P WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR			+	UPD	POLE, DEAD (NO UTILITY)
+	APOT	POINT ON TANGENT				A	IMSCS	MICRO SPEED & COUNT SENSOR	A	IMT	MICROWAVE TRANSCEIVER	+	MPCP	PT., CROSS CUT				+	UPD	POLE, WITH LIGHT
+	APOV	POINT ON VERTICAL CURVE				A	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR	A	IOVHMS	PERM. OVERHEAD VMS	+	MPDH	PT., DRILL HOLE				+	USMH	SANITARY SEWER MANHOLE
+	APOVT	POINT ON VERTICAL TANGENT				A	IPEDS	PEDESTRIAN SIGNAL HEAD	A	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR	+	MPF	PT., FENCE LOCATION				+	UTB	TELEPHONE, BOOTH
+	APORC	POINT ON REVERSE CURVE				A	IPSS	PAVEMENT SURFACE SENSOR	A	IRMS	RAMP METER	+	MPPI	PT., IRON PIPE				+	UTLM	TELEPHONE, LINE MARKER
+	APORC	POINT ON REVERSE CURVE				A	IPVMS	PERM. VMS	A	IRWIS	RDWY WEATHER INFO. SENSOR	+	MPIR	PT., IRON ROD				+	UTMH	TELEPHONE, MANHOLE
+	APT	POINT OF TANGENCY				A	IRWIS	RDWY WEATHER INFO. SENSOR	A	ISP	SOLAR PANEL	+	MPM	PT., MONUMENT				+	UTVLM	CABLE TV, LINE MARKER
+	APVC	POINT OF VERTICAL CURVATURE				A	ISST	SPREAD SPECT. TRANSCEIVER	A	ISST	SPREAD SPECT. TRANSCEIVER	+	MPMM	PT., MONUMENT, MISC.				+	UTVPB	CABLE TV, PULL BOX
+	APVCC	POINT OF VERT. CMPND CURVE				A	ITDB	TELEPHONE DEMARCATION BLK	A	ITP	SUBSURFACE TEMP. PROBE	+	MPN	PT., NAIL				+	UUB	UNKNOWN, BOX
+	APVCI	POINT OF VERT. INTERSECTION				A	ITP	SUBSURFACE TEMP. PROBE	A	IVTRT	VEHICLE TO RDWY TRANSCEIVER	+	MPRS	PT., RAILROAD SPIKE				+	UUJB	UNKNOWN, JUNCTION BOX
+	APVRC	POINT OF VERT. REVERSE CURVE	A	IWIMD	WEIGHT IN MOTION DETECTOR	A	IWVR	WIRELESS VIDEO REPEATER	+	MPST	PT., SPIKE	+	UUMH	UNKNOWN, MANHOLE						
+	APVT	POINT OF VERTICAL TANGENCY	A	IWVR	WIRELESS VIDEO REPEATER	A	IWVRC	WIRELESS VIDEO RECEIVER	+	MPTW	PT., TREE W/ WIRE	+	UUPB	UNKNOWN, PULL BOX						
+	ASC	SPIRAL TO CURVE	A	IWVTT	WIRELESS VIDEO TRANSMITTER	A	RES.P	ELEVATION, SPOT	+	MPWL	PT., WALL LOCATION	+	UUVL	UNKNOWN, VALVE						
+	ASPI	SPIRAL POINT OF INTERSECTION	A	RGA	GUIDE RAIL, ANCHOR	A	RGP	GUIDE POST, SINGLE	+	MPWVA.P	PT., WALL LOCATION	+	UUVT	UNKNOWN, VENT						
+	ASTS	SPIRAL TO SPIRAL	A	BSC	BRIDGE, SCUPPER	A	RES.P	ELEVATION, SPOT	+	MTO	TO	+	UUV	UNKNOWN, WELL						
+	AST	SPIRAL TO TANGENT	A	CBP	BASELINE, POINT	A	RGA	GUIDE RAIL, ANCHOR	+	MTO	TO	+	UWFH	WATER, FIRE HYDRANT						
+	ATS	TANGENT TO SPIRAL	A	CBPOL	BASELINE, POINT ON LINE	A	RGP	GUIDE POST, SINGLE	+	MTO	TO	+	UWM	WATER, METER						
+	AVEVT	VERTICAL EVENT POINT	A	CBSP	BASELINE, SPUR POINT	A	RES.P	ELEVATION, SPOT	+	MTO	TO	+	UWMH	WATER, MANHOLE						
+	AVHIGH	VERTICAL HIGH POINT	A	CBTP	BASELINE, TIE POINT	A	RGA	GUIDE RAIL, ANCHOR	+	MTO	TO	+	UWV	WATER, VALVE						
+	AVLOW	VERTICAL LOW POINT	A	CPBM	BENCHMARK	A	RGP	GUIDE POST, SINGLE	+	MTO	TO	+	UWW	WATER, WELL						
+	BRIDGE		A	CPH	POINT, HORIZ. PHOTOGRAMMETRY	A	RES.P	ELEVATION, SPOT	+	MTO	TO	+								
+	CONTROL		A	CPSM	POINT, SURVEY MARKER, PERM.	A	RGA	GUIDE RAIL, ANCHOR	+	MTO	TO	+								
+			A	CPSV	POINT, VERT., PHOTOGRAMMETRY	A	RGP	GUIDE POST, SINGLE	+	MTO	TO	+								

SEE LEG-1 FOR NOTES.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER RFP 02-23
	TOWN OF SPRAKERS					DRAWING NO. LEG-02 SHEET NO. 4
	COUNTY: MONTGOMERY	REGION: 2	LEGEND AND LINE SYMBOLOLOGY			
<p>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.</p>						<p>GPI GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS</p> <p>MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS</p>

PROJECT MANAGER C. CORNWELL
 CHECK C. CORNWELL
 DRAFTING T. VYCE
 CHECK C. CORNWELL
 DESIGN T. VYCE
 JOB MANAGER C. CORNWELL
 DESIGN SUPERVISOR C. CORNWELL



ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT	NOTES:
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	640.21	YELLOW PAINT REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	1. TACK COAT (ITEM 407.0103) SHALL BE PROVIDED BETWEEN EACH PAVEMENT LIFT IN ACCORDANCE WITH THE SPECIFICATIONS. 2. ROADWAY HORIZONTAL LINE SHOWN IN PLANS ARE BEST MATCH TO EXISTING CONDITIONS AS DETERMINED BY SURVEY. THE CONTRACTOR SHALL MATCH EXISTING ROADWAY CENTERLINE AS FOUND IN FIELD.
203.03	EMBANKMENT IN PLACE	CY				
203.24010017	SHOULDER BACKUP MATERIAL	TON				
209.13	SILT FENCE - TEMPORARY	LF				
209.200301	TURF REINFORCEMENT MATS, CLASS III TYPE C, PERMANENT	SY				
304.12	SUBBASE COURSE, TYPE 2	CY				
404.128301	12.5 F3 TOP COURSE WMA, 80 SERIES COMPACTION	TON				
404.258901	25 F9 BINDER COURSE WMA, 80 SERIES COMPACTION	TON				
404.378901	37.5 F9 BASE COURSE WMA, 80 SERIES COMPACTION	TON				
407.0103	STRAIGHT TACK COAT	GAL				
606.1001	BOX BEAM GUIDE RAILING WITH EXTRA LONG POSTS	LF				
610.16010020	TURF ESTABLISHMENT - PERFORMANCE	SY				

AFFIX SEAL: GREENMAN - PEDERSEN, INC
 ON: 1/19/2023

ALTERED BY:
 ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS
TOWN OF SPRAKERS			
COUNTY: MONTGOMERY	REGION: 2		

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED				CONTRACT NUMBER RFP 02-23
TYPICAL SECTIONS				DRAWING NO. TYP-01 SHEET NO. 5

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

GPI GREENMAN-PEDERSEN, INC.
 CONSULTING ENGINEERS

MONTGOMERY COUNTY
 DEPARTMENT OF PUBLIC WORKS

FILE NAME = ...CADD\log_oph_typ-1.dgn
 DATE/TIME = 1/20/2023
 USER = tyvce

GENERAL NOTES

- MATERIAL AND CONSTRUCTION SPECIFICATIONS: "STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS", NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSOT) OFFICE OF ENGINEERING, DATED JANUARY 1, 2023 WITH CURRENT ADDITIONS AND MODIFICATIONS, SHALL BE IN EFFECT FOR THIS PROJECT.
- CURRENT NATIONAL "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) WITH NEW YORK STATE SUPPLEMENT SHALL BE IN EFFECT FOR THIS PROJECT.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 NYSOT STANDARD SPECIFICATIONS BOOK.
- 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.
- 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.
- 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.
- 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.
- 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 NYSOT 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.
- 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.
- 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.
- 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.
- THE CONTRACTOR IS REQUIRED TO PROTECT WORKERS AT ALL TIMES IN CONFORMANCE WITH APPLICABLE OSHA REGULATIONS.

- 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.
- WATERING NEEDED FOR VEGETATION AND OTHER LANDSCAPING ITEMS SHALL BE INCLUDED UNDER EACH RESPECTIVE ITEMS IN THE CONTRACT.
- 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

- 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.
- 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.
- 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.
- 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.
- 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.
- 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 QL A)

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 QL B)

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 QL C)

QUALITY LEVEL D IS THE LOWEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS WAS DERIVED SOLELY FROM EXISTING NYSOT AND/OR UTILITY COMPANY RECORDS OR RECOLLECTIONS. (SHOWN AS QL D)

- 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.
- ALL UTILITY POLES TO BE RELOCATED BY OTHERS SHALL BE APPROVED BY THE COUNTY SO THERE ARE NO CONFLICTS DURING CONSTRUCTION.

ENVIRONMENTAL PERMITS

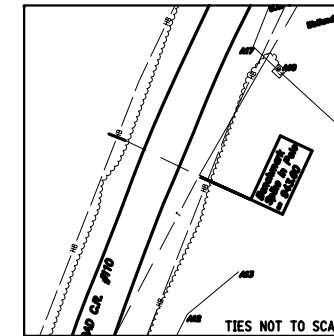
- THE CONTRACTOR SHALL COMPLY WITH ALL ENVIRONMENTAL PERMIT REQUIREMENTS PROVIDED IN THE CONSTRUCTION DOCUMENTS. COST TO BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.

TREE CUTTING RESTRICTIONS

- 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).
- 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.
- THE CONTRACTOR SHALL REMOVE ALL UNDERLYING VEGETATION INCLUDING STUMPS AND DOWNED TREES UNDER VARIOUS TREE REMOVAL ITEMS.

RIGHT-OF-WAY

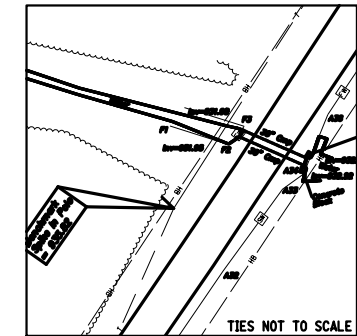
- UNLESS OTHERWISE SHOWN IN THE PLANS, ALL CONTRACT WORK SHALL BE PERFORMED FROM AND WITHIN THE PUBLIC RIGHT-OF-WAY (ROW), INCLUDING ANY GRADING RELEASES. THE CONTRACTOR IS TO INSURE ALL WORK IS PERFORMED WITHIN THE ROW, INCLUDING BUT NOT LIMITED TO VEHICLE ACCESS; STORAGE OF EQUIPMENT, MATERIALS, DEBRIS, AND WASTE; LANDSCAPING; VEGETATION REMOVAL AND MANAGEMENT; GRADING, SEEDING AND THIS INSTALLATION OF TURF; AND THE INSTALLATION OF ANY FENCES OR PROTECTIVE BARRIER.
- 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).
- 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).
- 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).
- THE CONTRACTOR SHALL ACQUIRE ANY RELEASES OR PROPERTY RIGHTS THAT ARE NEEDED FOR THEIR OWN BENEFIT (I.E., EQUIPMENT STORAGE, MATERIAL STOCK PILES, ETC.).



① STA. 15+82.39

① IS A MAG NAIL SET IN THE UTILITY POLE ON THE EASTERN SIDE OF COUNTY ROUTE 110 (LOGTOWN ROAD)

NYSPCS EAST ZONE 3101
NAD 83/CORS 2011
N: 1467786.1257
E: 509020.8904
NAVD88 EL: 943.60



② STA. 23+23.57

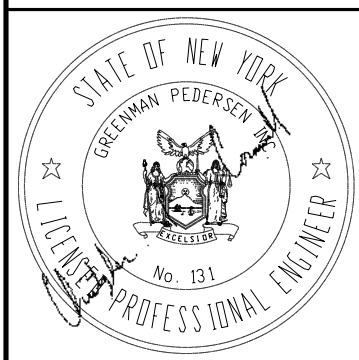
② IS A MAG NAIL SET IN THE UTILITY POLE ON THE WESTERN SIDE OF COUNTY ROUTE 110 (LOGTOWN ROAD)

NYSPCS EAST ZONE 3101
NAD 83/CORS 2011
N: 1468437.6668
E: 509369.4515
NAVD88 EL: 935.82

BASELINE TIES

AFFIX SEAL: GREENMAN - PEDERSEN, INC
ON: 1/19/2023

ALTERED BY:
ON:



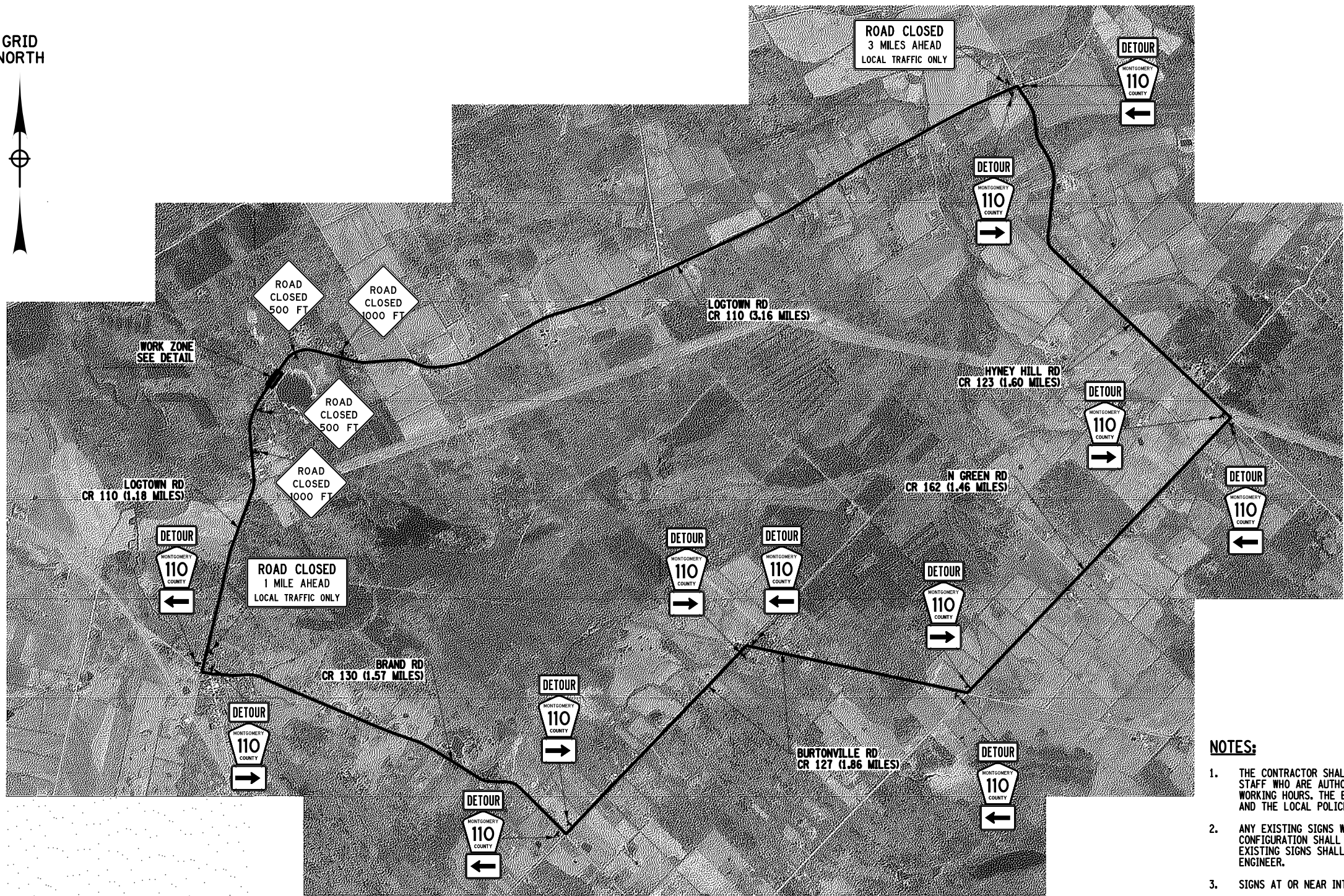
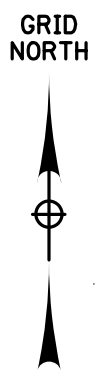
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER RFP 02-23
	TOWN OF SPRAKERS				GENERAL NOTES	DRAWING NO. GNN-01
	COUNTY: MONTGOMERY	REGION: 2				SHEET NO. 6

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

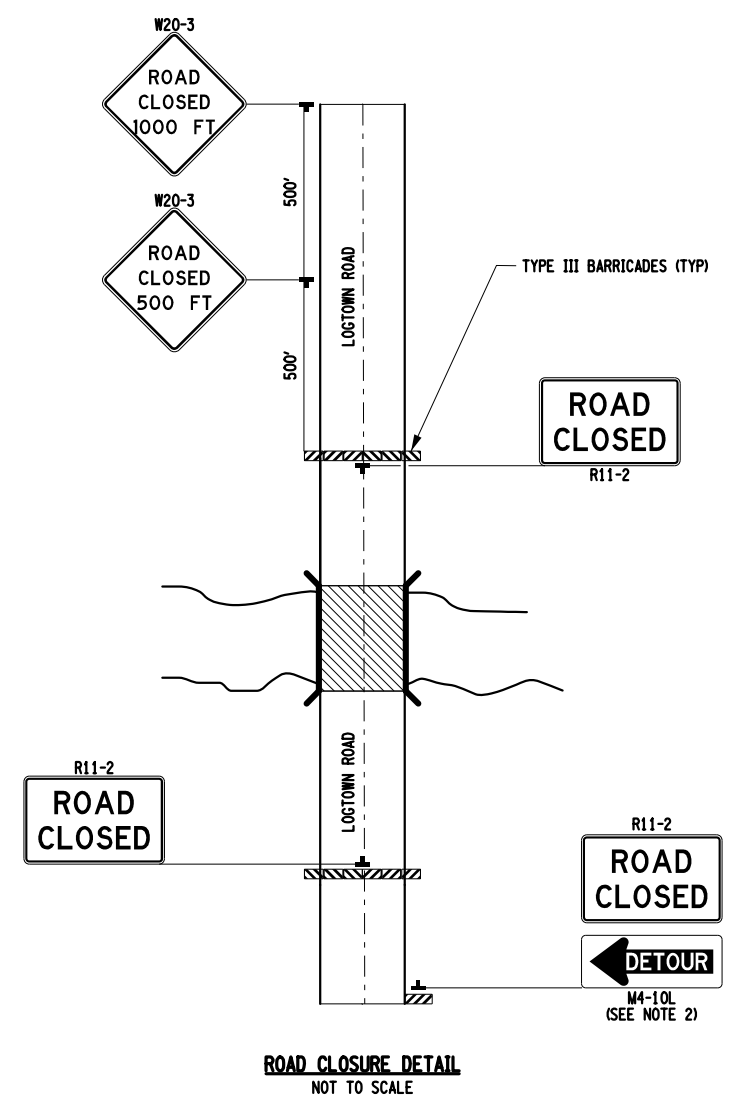
GPI GREENMAN-PEDERSEN, INC.
CONSULTING ENGINEERS

MONTGOMERY COUNTY
DEPARTMENT OF PUBLIC WORKS

PROJECT MANAGER C. CORNWELL
 CHECK C. CORNWELL
 DRAFTING T. VYCE
 CHECK C. CORNWELL
 DESIGN T. VYCE
 JOB MANAGER C. CORNWELL
 DESIGN SUPERVISOR C. CORNWELL



DETOUR PLAN
 SCALE: 1"=2400'



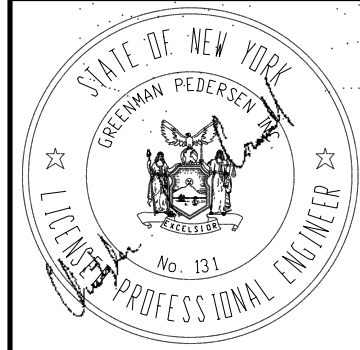
NOTES:

1. 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.
2. 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.
3. SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
4. 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.
5. CONTRACTOR TO TRIM TREES OVERHANGING DETOUR ROUTE, A.O.B.E. PAYMENT SHALL BE MADE UNDER ITEM 619.01.
6. UNLESS AUTHORIZED BY THE ENGINEER, THE MINIMUM LANE WIDTHS FOR WORK ZONE TRAVEL LANES SHALL BE 11'-0" MIN.
7. 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.
8. 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.
9. 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.

LEGEND

- DETOUR ROUTE
- WORK ZONE
- WORK ZONE SIGN

AFFIX SEAL: GREENMAN - PEDERSEN, INC
 ON: 1/19/2023
 ALTERED BY:
 ON:






AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS
	TOWN OF SPRAKERS			
	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.

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED		CONTRACT NUMBER RFP 02-23
MAINTENANCE AND PROTECTION OF TRAFFIC PLANS		DRAWING NO. MPP-01 SHEET NO. 7
GPI GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS	MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS	

FILE NAME = \\CADD\log_oph_mpp-1.dgn
 DATE/TIME = 1/20/2023
 USER = tyce

SIGN INSTALLATION TABLE (BY OTHERS)

DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	ITEM	SIZE			PAYMENT AREA (SEE NOTE 3)
				AREA (SEE NOTE 3)	TOTAL PAYMENT AREA		
W1-2L	3-1, 4-2		2	30	X	30	6.30 SF
				6.30 SF			12.60 SF
W1-2R	1-1, 4-1		2	30	X	30	6.30 SF
				6.30 SF			12.60 SF
W13-1P	4-1, 4-2		2	18	X	18	2.30 SF
				2.30 SF			4.60 SF

DRIVEWAY TABLE

DWY #	LOCATION	MATERIAL		TYPE	CLASS	DIMENSIONS		AREA (SF)	ITEM 304.12 (CY)
		EX	PROP			"W"	"PL"		
1	L 10+95 LT	GRASS	STONE	1	RESIDENTIAL	12.0'	12.0'	203.2	3.8
2	L 25+31 LT	STONE	STONE	1	RESIDENTIAL	12.0'	15.0'	231.7	4.3
TOTAL:									8.1

STRIPING TABLE

BEGIN STATION	END STATION	OFFSET	STRIPING	DESIGN LENGTH (LF)	PAY FACTOR	ITEM 640.21 (LF)
L 9+90	L 27+51	0'	4" YSDL	1761	2.0	3522
TOTAL:						3522 LF

CUTTING PAVEMENT

BEGIN STATION	BEGIN OFFSET	END STATION	END OFFSET	DEPTH	ITEM 627.50140008 (LF)
L 10+00	11.0' LT	L 10+00	11.0' LT	FULL DEPTH	22
L 27+41	11.0' LT	L 27+41	11.0' LT	FULL DEPTH	22
TOTAL:					44

SIGN POST TABLE (BY OTHERS)

SIGN STRUCTURE	ITEM 645.81 (EA)	
1-1	1	
2-1	1	
4-1	1	
4-2	1	
TOTALS:		4

HORIZONTAL CONTROL TABLE - LOGTOWN ROAD

H.C.L POINT	H.C.L STATION	COORDINATES		DESCRIPTION
		NORTH	EAST	
LOGTOWN ROAD				
P.O.B.	L 10+00.00	1467225.11	508932.59	BEGIN ALIGNMENT
P.C.	L 11+52.00	1467376.49	508918.89	P.C. CURVE 1
P.I.	L 12+93.26	1467517.18	508906.16	P.I. CURVE 1 (R = 685.00)
P.T.	L 14+30.62	1467651.43	508950.13	P.T. CURVE 1
P.C.	L 14+51.04	1467670.83	508956.49	P.C. CURVE 2
P.I.	L 16+78.86	1467887.33	509027.40	P.I. CURVE 2 (R = 1650.00)
P.T.	L 19+03.81	1468076.52	509154.32	P.T. CURVE 2
P.O.E.	L 27+40.84	1468771.61	509620.66	END ALIGNMENT

DELINEATOR TABLE (BY OTHERS)


STATION	SIDE	ITEM 646.22 (EA)	ITEM 646.32 (EA)
L 23+05	LT	1	1
L 23+11	RT	2	1
L 24+34	LT	2	1
L 24+42	RT	1	1
TOTALS:		6	4

LOGTOWN ROAD DRAINAGE TABLE

DESIGNATION	STATION	DESCRIPTION OF WORK	INLET INVERT ELEVATION FT	OUTLET INVERT ELEVATION FT	PIPE DIAMETER/SPAN IN	PIPE LENGTH FT	SELECT GRANULAR FILL		STRUCTURE EXCAVATION	TRENCH AND CULVERT EXCAVATION	SHIELDS AND SHORING	COFFERDAM (TYPE 2)	TEMPORARY WATERWAY DIVERSION STRUCTURE	CONCRETE FOR STRUCTURES, CLASS A	CONSTRUCT DRY STONE WALL	SHEET-APPLIED WATERPROOFING MEMBRANE	PRECAST CONCRETE BOX CULVERT (FILL HEIGHT LESS THAN 24 IN) 10 FT SPAN, 4 FT BOX CULVERTS	PRECAST CONCRETE WINGWALL UNITS FOR BOX CULVERTS	15" DIA. SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE (SICPP)	STONE FILLING (LIGHT)	BEDDING MATERIAL, TYPE 2	NEW (IMPORTED) STREAM BED MATERIAL (B)	
							CY	CY															
DS 1-1	L 10+94±	Replace Existing Driveway Culvert	939.94	939.88	15	22	3.8																
DS 1-2	L 13+27±	Replace Existing Cross Culvert	937.96	937.05	15	36	6.3		14.0				1								36	2.2	1.1
DS 2-1	L 16+98±	Replace Existing Cross Culvert	935.95	934.44	15	40	10.2		15.3				1								40	2.0	1.0
DS 3-1	L 22+90±	Install Ditch Culvert for Box Beam End Terminal Crossing	934.81	934.77	15	15	3.2		0.4												15		
DS 4-1	L 23+73±	Replace Existing Cross Culverts With Box Culvert	932.20	931.97	10'x4'	32		64.0	284.8	9.3	750	2	1	4.0		728	32	32				25.5	17.0
DS 4-2	L 24+56±	Install Ditch Culvert for Box Beam End Terminal Crossing	934.60	934.55	15	20	4.3		2.8												20	2.2	0.6
DS 4-3	L 25+31±	Replace Existing Driveway Culvert	934.78	934.73	15	22	3.8		11.9												22	3.2	1.6
TOTAL:							31.7	64.0	284.8	64.2	750	2	3	4.0	52	728	32	32	155	11.8	30.9	17.0	

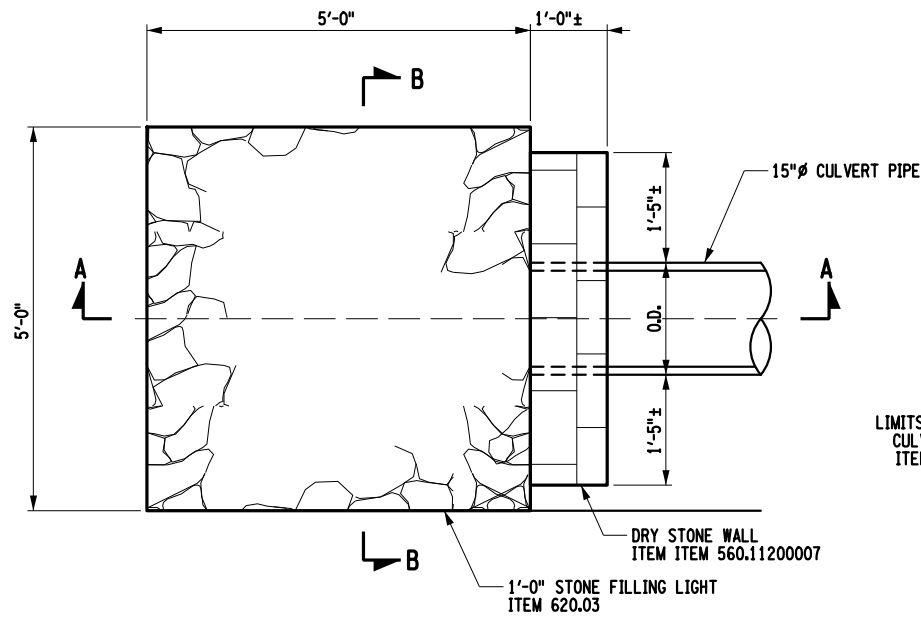
AFFIX SEAL: GREENMAN - PEDERSEN, INC
ON: 1/19/2023

ALTERED BY:
On:

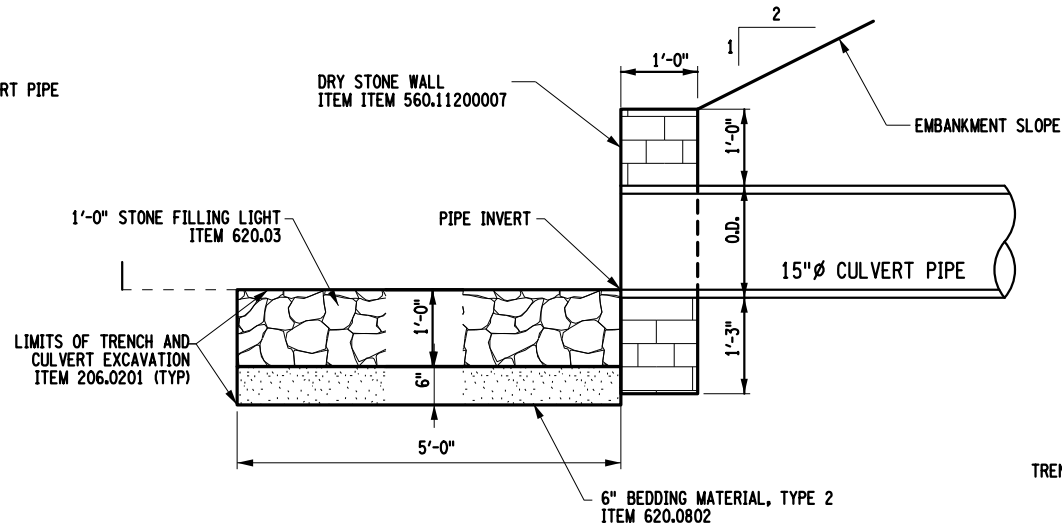


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	MISCELLANEOUS TABLES	CONTRACT NUMBER RFP 02-23
	TOWN OF SPRAKERS						DRAWING NO. MST-01 SHEET NO. 8
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						GPI GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS	MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS

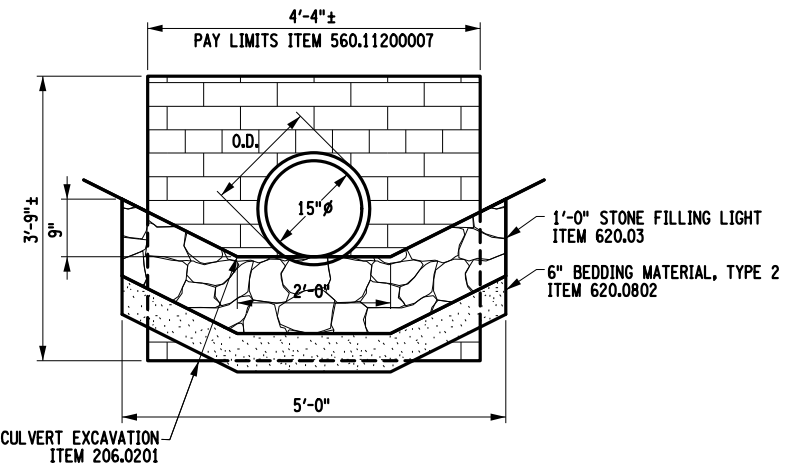
PROJECT MANAGER C. CORNWELL
 CHECK C. CORNWELL
 DRAFTING T. VYCE
 DESIGN T. VYCE
 JOB MANAGER C. CORNWELL
 DESIGN T. VYCE
 CHECK C. CORNWELL
 DRAFTING T. VYCE
 PROJECT MANAGER C. CORNWELL



STONE-LINED APRON WITH DRY STONE HEADWALL DETAIL
NOT TO SCALE



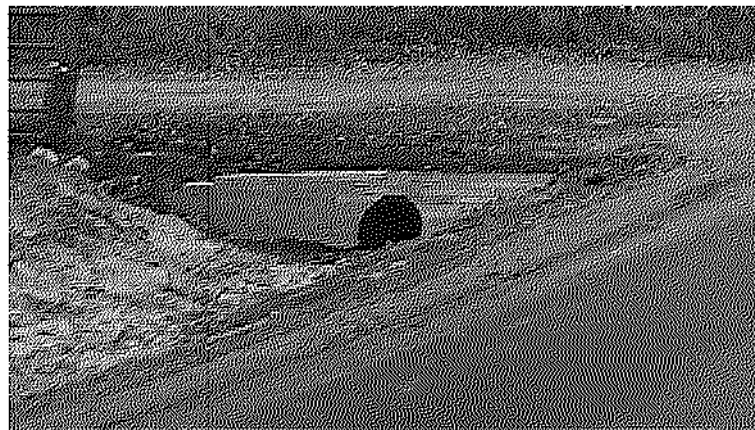
SECTION A-A
NOT TO SCALE



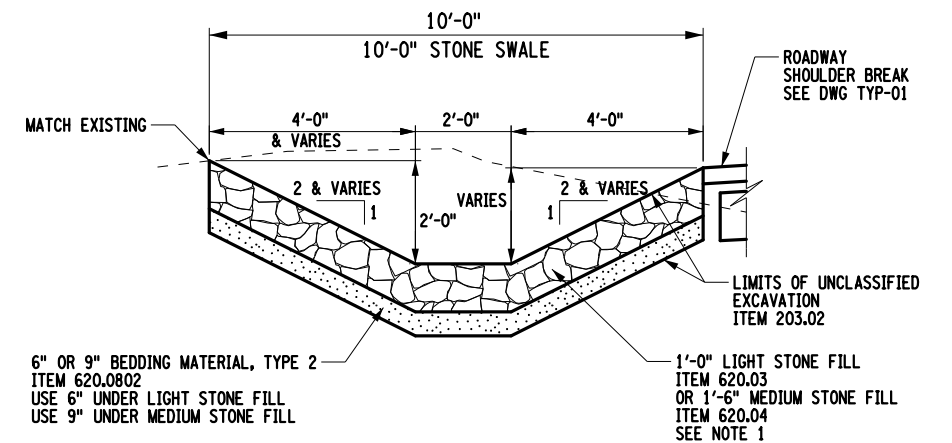
SECTION B-B
NOT TO SCALE

STONE LINED APRON WITH DRY STONE HEADWALL 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.
- 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.
- SEE PHOTO, THIS DWG, FOR DRY STONE HEADWALL REFERENCE.



DRY STONE HEADWALL PHOTO REFERENCE



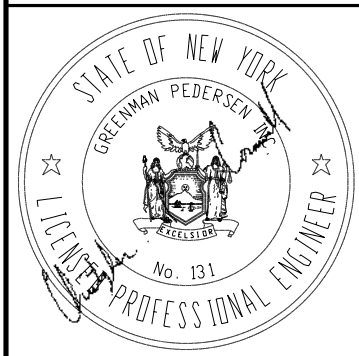
LIGHT OR MEDIUM STONE SWALE SECTION
NOT TO SCALE

STONE SWALE NOTE:

- MEDIUM STONE FILLING SHALL BE USED WHEN SWALE LONGITUDINAL SLOPE IS GREATER THAN OR EQUAL TO 1½:2H OR WHEN SWALE SIDE SLOPES EXCEED 1½:1.5H.

AFFIX SEAL: GREENMAN - PEDERSEN, INC
ON: 1/19/2023

ALTERED BY:
ON:



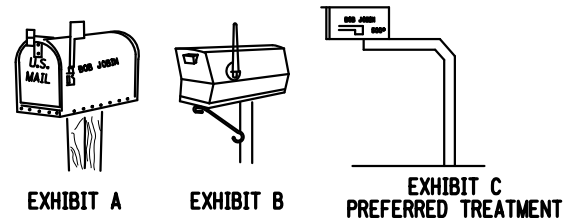
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER RFP 02-23
	TOWN OF SPRAKERS				MISCELLANEOUS DETAILS	DRAWING NO. MSD-01 SHEET NO. 9
	COUNTY: MONTGOMERY	REGION: 2				

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

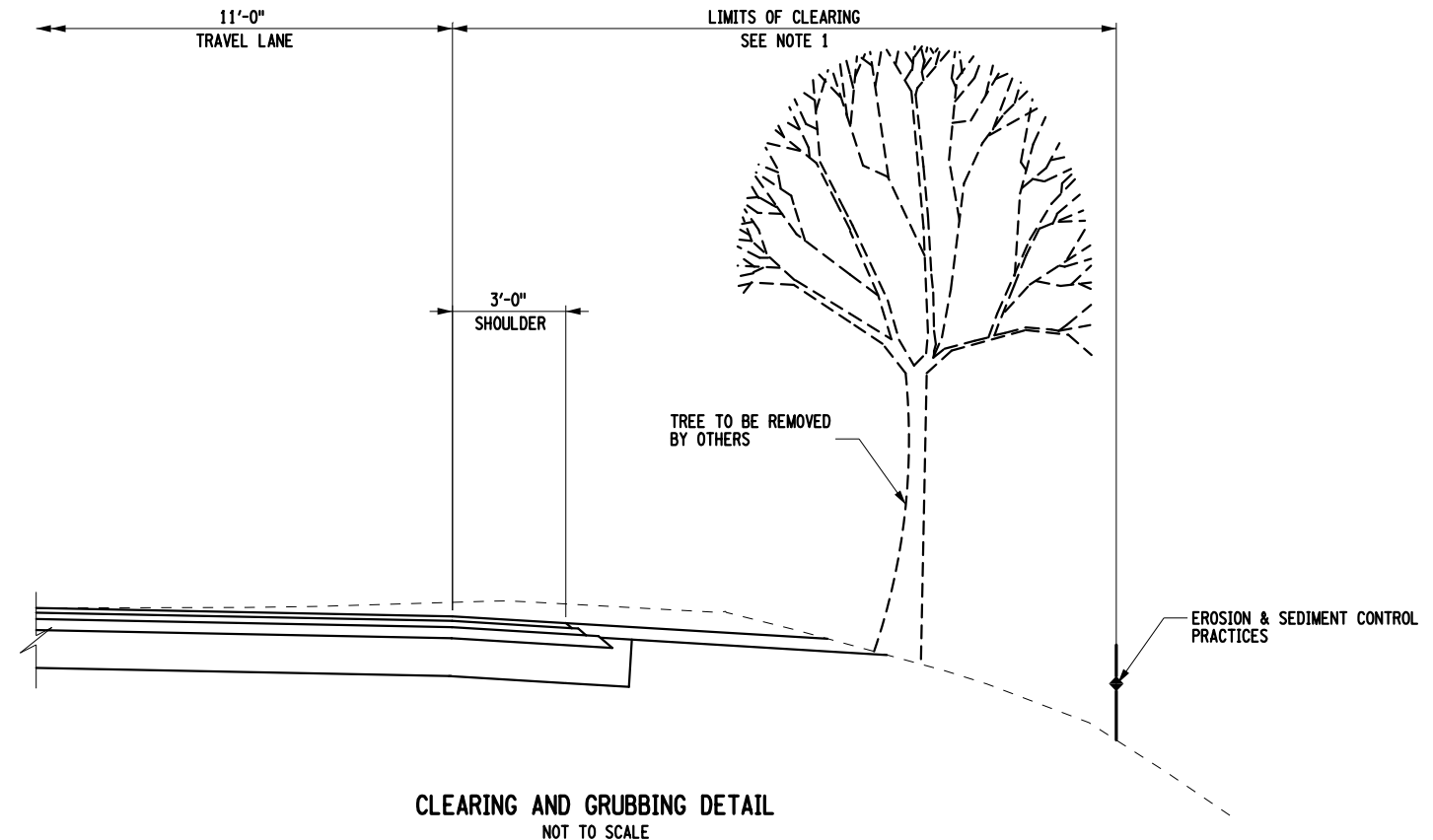
FILE NAME = \\CADD\log_oph_msd-1.dgn
 DATE/TIME = 1/20/2023
 USER = tvyce



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.



CLEARING AND GRUBBING DETAIL
NOT TO SCALE

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.

AFFIX SEAL: GREENMAN - PEDERSEN, INC
ON: 1/19/2023

ALTERED BY:
ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER RFP 02-23
	TOWN OF SPRAKERS				MISCELLANEOUS DETAILS	DRAWING NO. MSD-02
	COUNTY: MONTGOMERY	REGION: 2				SHEET NO. 10

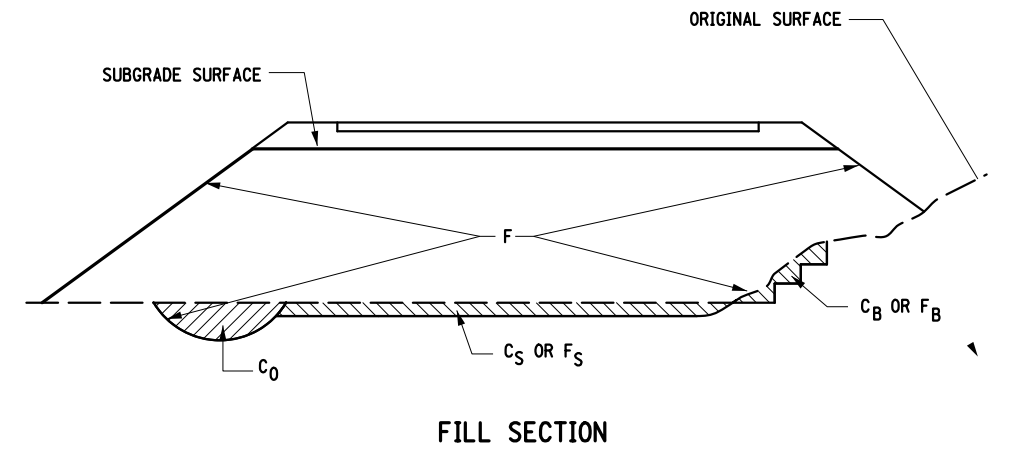
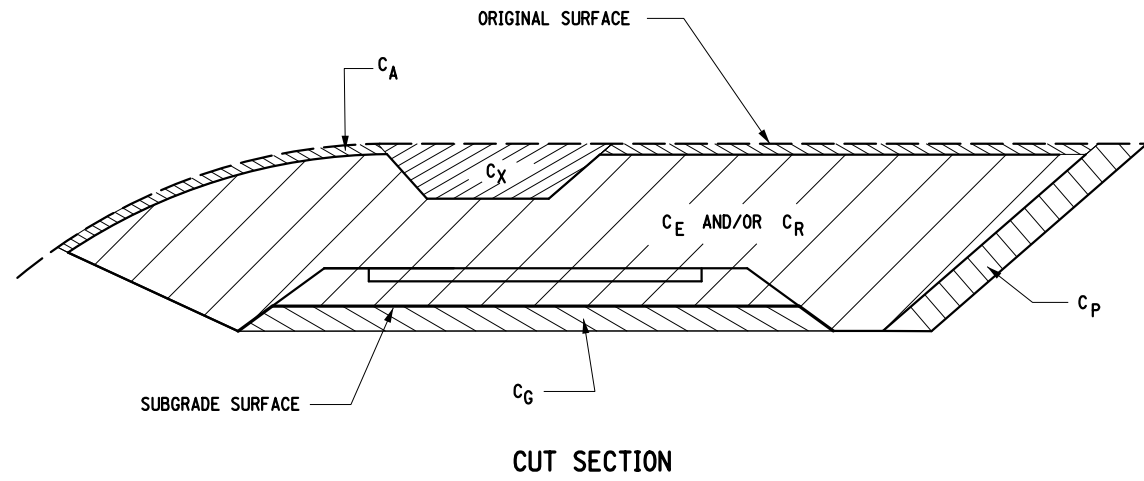
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, 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 = \\CADD\log_oph_ess-1.dgn
 DATE/TIME = 1/20/2023
 USER = tyce

DESIGN SUPERVISOR C. CORNWELL JOB MANAGER C. CORNWELL DESIGN T. VYCE CHECK C. CORNWELL DRAFTING T. VYCE CHECK C. CORNWELL PROJECT MANAGER C. CORNWELL



DEFINITIONS:

- C_B - EXCAVATION FOR REQUIRED BENCHING, (BOTH LONGITUDINAL AND TRANSVERSE).
- C_G - EXCAVATION FOR SUBGRADE IMPROVEMENT.
- C_P - EXCAVATION FROM CUT SLOPE NECESSARY TO PLACE SLOPE PROTECTION.
- C_E - PORTION OF CUT ASSUMED TO BE EARTH SUITABLE FOR EMBANKMENT CONSTRUCTION, EXCLUDING C_G AND C_P .
- T_E - $(C_B + C_G + C_P + C_E)$ TOTAL EARTH EXCAVATION ASSUMED SUITABLE FOR EMBANKMENT CONSTRUCTION.
- C_A - EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) IN CUT.
- C_S - EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) UNDER EMBANKMENT.
- C_X - EXCAVATION OF UNSUITABLE MATERIAL IN CUT: SWAMP OR DUMP
- C_0 - EXCAVATION OF UNSUITABLE MATERIAL BENEATH EMBANKMENT: SWAMP OR DUMP
- T_U - $(C_A + C_S + C_X + C_0)$ TOTAL EXCAVATION ASSUMED UNSUITABLE FOR EMBANKMENT CONSTRUCTION.
- C_R - PORTION OF CUT ASSUMED TO BE ROCK, INCLUDING C_G IF APPLICABLE.
- C_T - $(T_E + T_U + C_R)$ TOTAL EXCAVATION.

DEFINITIONS:

- F_B - FILL REQUIRED TO REPLACE BENCHES.
- F_S - FILL REQUIRED TO REPLACE TOPSOIL REMOVED BENEATH EMBANKMENTS.
- F - FILL REQUIRED TO COMPLETE EMBANKMENT TO SUBGRADE SURFACE AND SIDE-SLOPES AFTER FOUNDATION IS PREPARED.
- F_T - $(F_B + F_S + F)$ TOTAL FILL REQUIRED.
- T_A - $(T_E \times F_E + C_R \times F_R)$ THE VOLUME WHICH THE SUITABLE EXCAVATED MATERIAL COULD OCCUPY IN EMBANKMENT.
- F_E - SHRINKAGE FACTOR FOR EARTH
- F_R - SWELL FACTOR FOR ROCK

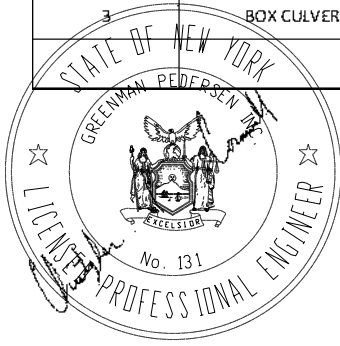
NOTES:

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THESE TABLES ARE ESTIMATED, AND ARE PROVIDED FOR THE PURPOSE OF PREPARING AN ESTIMATE. THEY ARE NOT TO BE CONSTRUED AS BEING EXACT. THEY ARE INTENDED TO QUANTIFY AND QUALIFY THE NATURE OF THE WORK TO BE PERFORMED. SIGNIFICANT DIFFERENCE FROM THIS REPRESENTATION, WHEN ENCOUNTERED DURING THE ACTUAL WORK, WILL BE HANDLED ACCORDING TO THE SPECIFICATIONS GOVERNING THIS PROJECT.

- 203.02 UNCLASSIFIED EXCAVATION AND DISPOSAL
- 203.03 EMBANKMENT IN PLACE

SUMMARY OF EARTHWORK (ITEMS 203.02 AND 203.03 ONLY)					
SOURCE	EXCAVATION			ITEM 203.02	ITEM 203.03
	T_E	C_R	T_U	C_T	F_T
ROADWAY L 10+00 TO L 27+41			2,506.0	2,506.0	1,023.4
STONE SWALE EXCAVATION			330.0	330.0	
BOX CULVERT EMBANKMENT BACKFILLING					195.3
TOTALS			2,836.0	2,836.0	1,218.7

SUBDIVISION NO.	LOCATION (STATION TO STATION)	SUITABLE EXCAVATION					ROCK	UNSUITABLE EXCAVATION					TOTAL EXCAVATION	EMBANKMENT					
		C_B	C_G	C_P	C_E	T_E	C_R	C_A	C_S	C_X	C_0	T_U	C_T	F_B	F_S	F	F_T		
1	ROADWAY L 10+00 TO L 27+41										2,506.0			2,506.0	2,506.0			1,023.4	1,023.4
2	STONE SWALE EXCAVATION										330.0			330.0	330.0				0.0
3	BOX CULVERT EMBANKMENT BACKFILLING													0.0	0.0			195.3	195.3
	TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,836.0	0.0	0.0	2,836.0	2,836.0	0.0	0.0	1,218.7	1,218.7



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER RFP 02-23
	TOWN OF SPRAKERS					EARTHWORK SUMMARY SHEETS
	COUNTY: MONTGOMERY	REGION: 2				GPI GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS

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.

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. SEEDING 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 610.16010020 - TURF ESTABLISHMENT - PERFORMANCE.
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 NYS DOT 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.

AFFIX SEAL: GREENMAN - PEDERSEN, INC
ON: 1/19/2023

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LOGTOWN ROAD (COUNTY ROUTE 110)
PIN
TOWN OF SPRAKERS
COUNTY: MONTGOMERY REGION: 2

BRIDGES
CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED
EROSION CONTROL NOTES

CONTRACT NUMBER
RFP 02-23
DRAWING NO. ECN-01
SHEET NO. 12

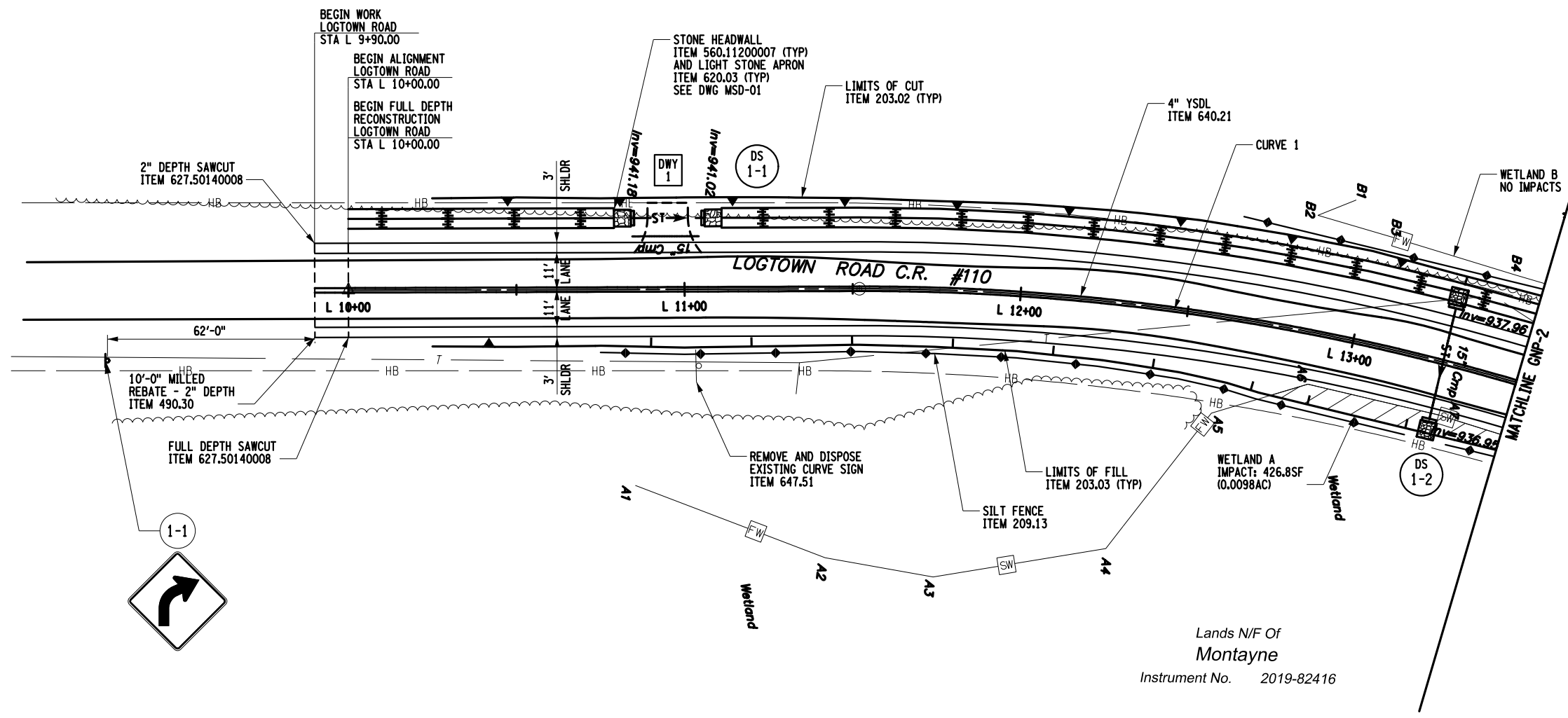
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

PROJECT MANAGER C. CORNWELL
 CHECK C. CORNWELL
 DRAFTING T. VYCE
 CHECK C. CORNWELL
 DESIGN T. VYCE
 JOB MANAGER C. CORNWELL
 DESIGN SUPERVISOR C. CORNWELL



Lands N/F Of
 State of New York
 Book 228 Of Deeds At Page 356



FILE NAME = ...\\CADD\log_oph_gnp-1.dgn
 DATE/TIME = 1/20/2023
 USER = tyce

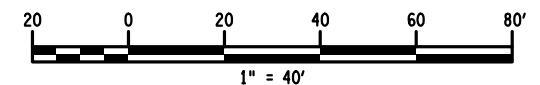
AFFIX SEAL: GREENMAN - PEDERSEN, INC
 ON: 1/19/2023

ALTERED BY:
 ON:



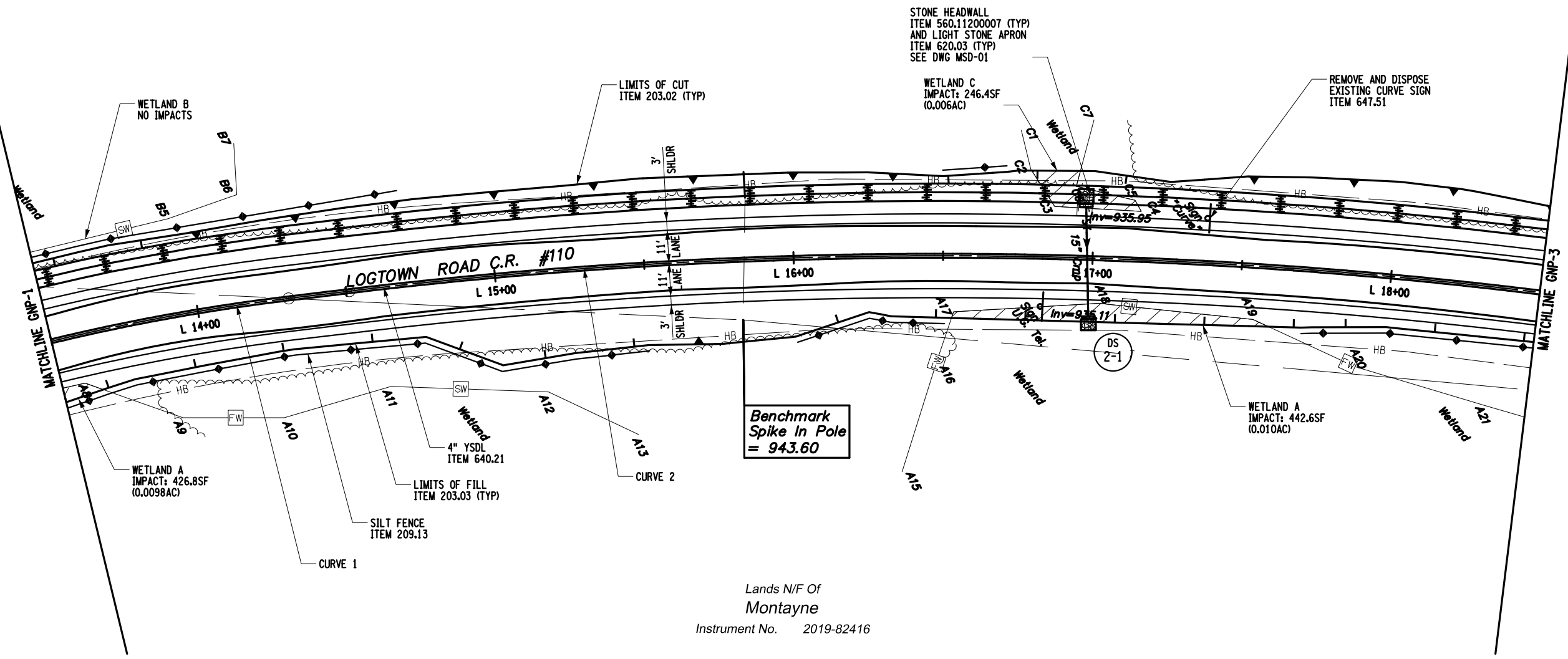
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER RFP 02-23
	TOWN OF SPRAKERS				GENERAL PLANS	DRAWING NO. GNP-01 SHEET NO. 13
	COUNTY: MONTGOMERY	REGION: 2				MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS

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

Lands N/F Of
State of New York
Book 228 Of Deeds At Page 356



Lands N/F Of
Montayne
Instrument No. 2019-82416

PROJECT MANAGER C. CORNWELL
CHECK C. CORNWELL
DRAFTING T. VYCE
DESIGN T. VYCE
JOB MANAGER C. CORNWELL
DESIGN SUPERVISOR C. CORNWELL

AFFIX SEAL: GREENMAN - PEDERSEN, INC
ON: 1/19/2023
ALTERED BY:
ON:

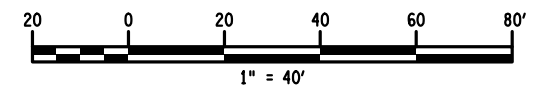


CURVE 1	CURVE 2
P.C. = L 11+52.00	P.C. = L 14+51.04
P.T. = L 14+30.62	P.T. = L 19+03.81
R = 685.00'	R = 1650.00'
L = 278.63'	L = 452.77'
Δ = 23°18'19.33"RT	Δ = 15°43'20.14"RT

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS
TOWN OF SPRAKERS			
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.

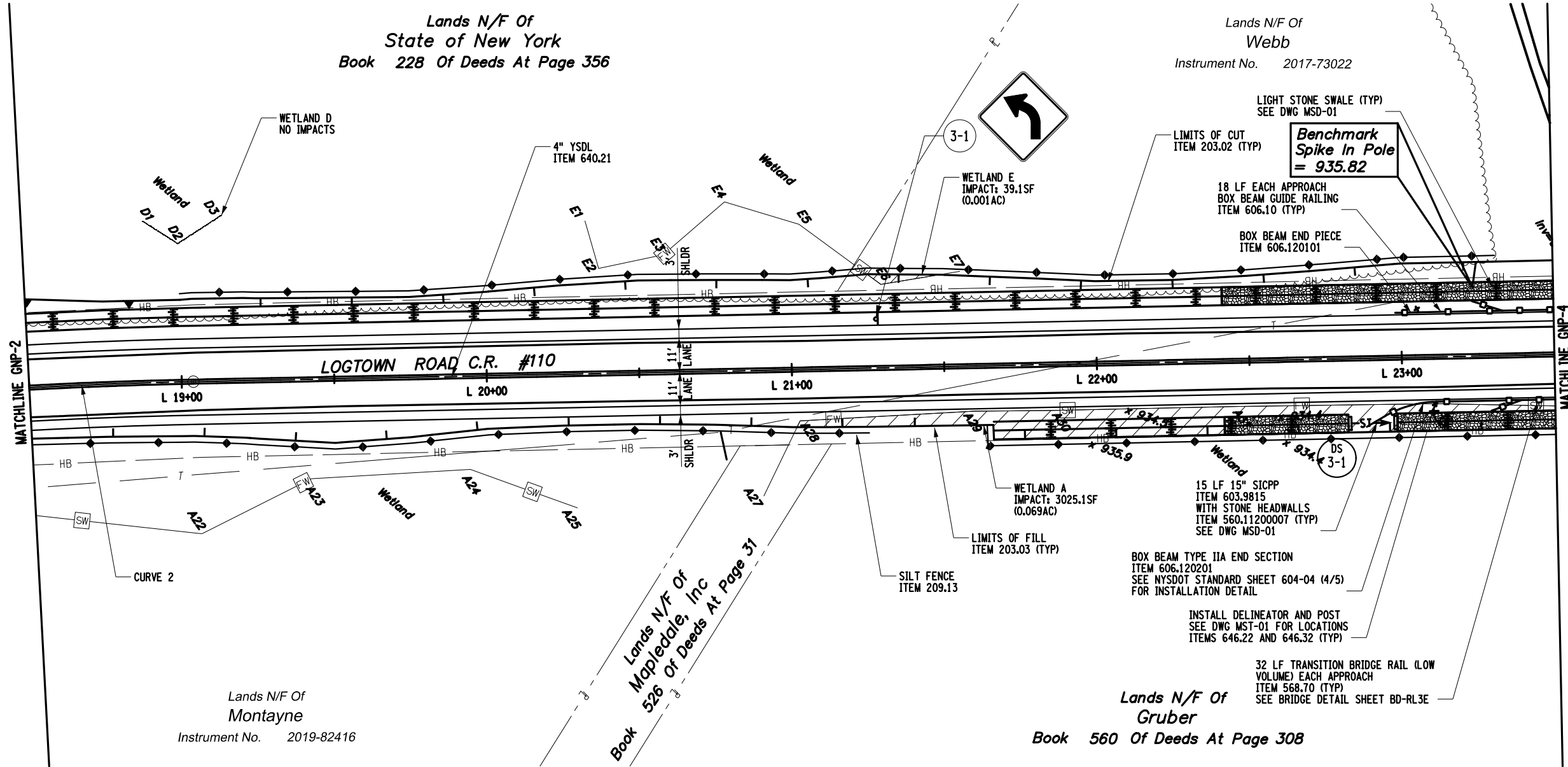
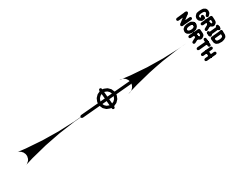


ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER RFP 02-23
GENERAL PLANS	DRAWING NO. GNP-02 SHEET NO. 14
GPI GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS	MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS

FILE NAME = \\CADD\log_oph_gnp-2.dgn
DATE/TIME = 1/20/2023
USER = tyce

FILE NAME = \\CADD\log_oph_gnp-3.dgn
 DATE/TIME = 1/20/2023
 USER = tyce

DESIGN SUPERVISOR C. CORNWELL
 JOB MANAGER C. CORNWELL
 DESIGN T. VYCE
 CHECK C. CORNWELL
 DRAFTING T. VYCE
 CHECK C. CORNWELL
 PROJECT MANAGER C. CORNWELL



AFFIX SEAL: GREENMAN - PEDERSEN, INC
 ON: 1/19/2023



ALTERED BY:
 ON:

CURVE 2	
P.C.	= L 14+51.04
P.T.	= L 19+03.81
R	= 1650.00'
L	= 452.77'
Δ	= 15°43'20.14"RT

AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

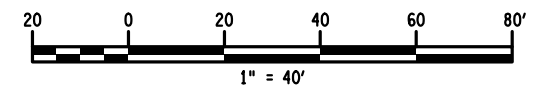
LOGTOWN ROAD (COUNTY ROUTE 110)	PIN
TOWN OF SPRAKERS	BRIDGES
COUNTY: MONTGOMERY	CULVERTS
REGION: 2	

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

CONTRACT NUMBER RFP 02-23
DRAWING NO. GNP-03 SHEET NO. 15

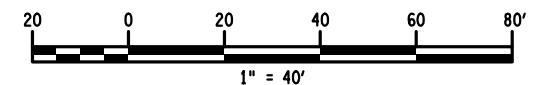
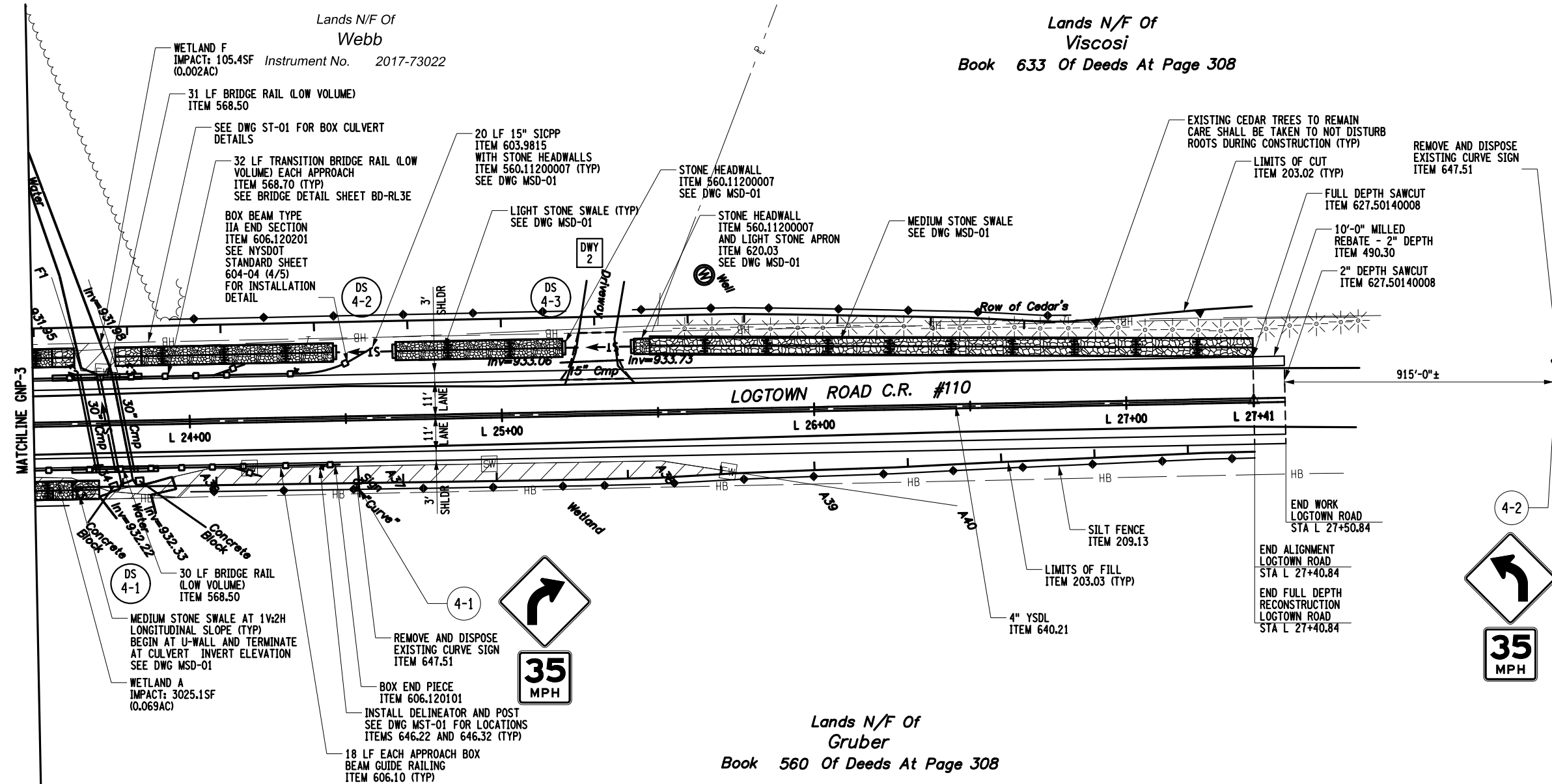
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

GPI GREENMAN-PEDERSEN, INC.
 CONSULTING ENGINEERS
 MONTGOMERY COUNTY
 DEPARTMENT OF PUBLIC WORKS



FILE NAME = \\CADD\log_oph_gnp-4.dgn
 DATE/TIME = 1/20/2023
 USER = tyce

DESIGN SUPERVISOR C. CORNWELL
 JOB MANAGER C. CORNWELL
 DESIGN T. VYCE
 CHECK C. CORNWELL
 DRAFTING T. VYCE
 CHECK C. CORNWELL
 PROJECT MANAGER C. CORNWELL



AFFIX SEAL: GREENMAN - PEDERSEN, INC
 ON: 1/19/2023

ALTERED BY:
 ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER RFP 02-23
	TOWN OF SPRAKERS				GENERAL PLANS	DRAWING NO. GNP-04
	COUNTY: MONTGOMERY	REGION: 2				SHEET NO. 16

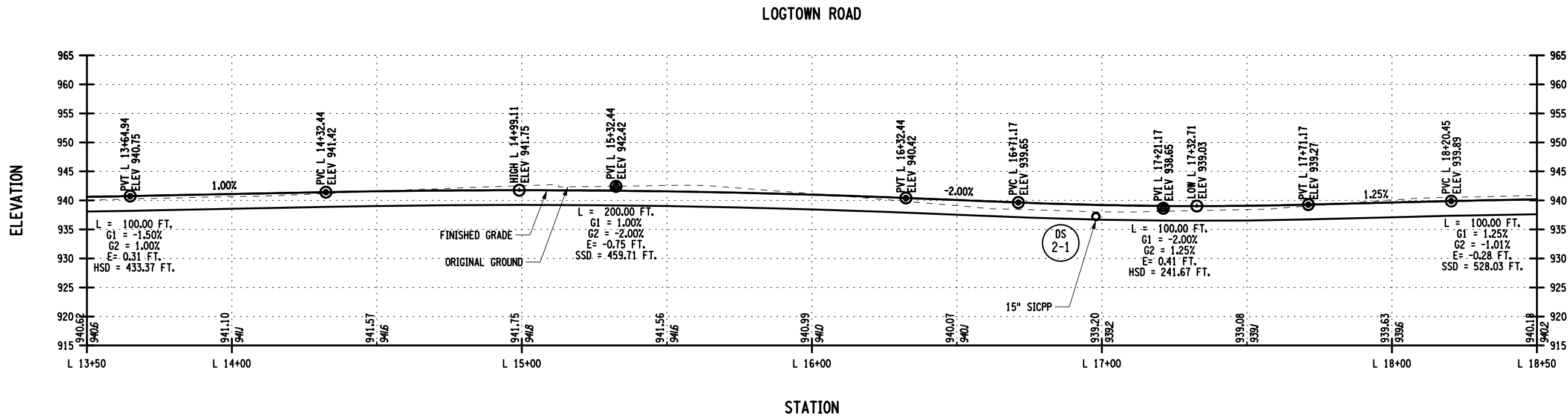
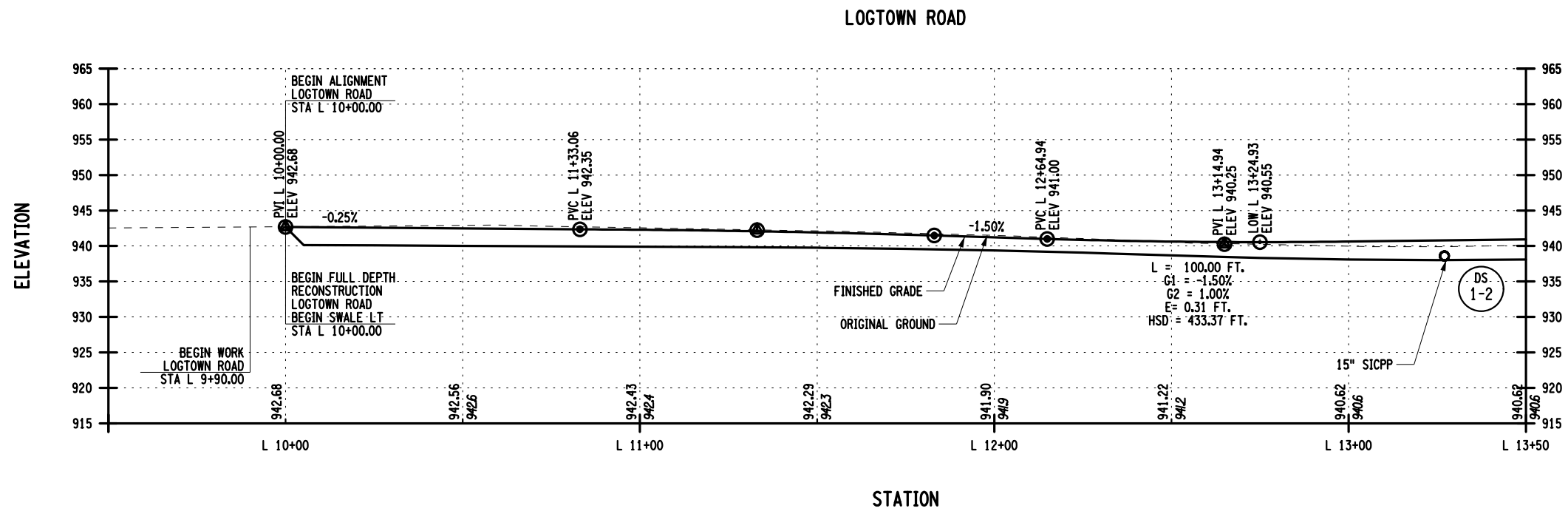
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, 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 = \\CADD\log_oph_pro-1.dgn
 DATE/TIME = 1/20/2023
 USER = tyce

DESIGN SUPERVISOR C. CORNWELL
 JOB MANAGER C. CORNWELL
 DESIGN T. VYCE
 CHECK C. CORNWELL
 DRAFTING T. VYCE
 CHECK C. CORNWELL
 PROJECT MANAGER C. CORNWELL



AFFIX SEAL: GREENMAN - PEDERSEN, INC
 ON: 1/19/2023
 ALTERED BY:
 ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

LOGTOWN ROAD (COUNTY ROUTE 110)
 TOWN OF SPRAKERS
 COUNTY: MONTGOMERY REGION: 2

PIN
 BRIDGES
 CULVERTS

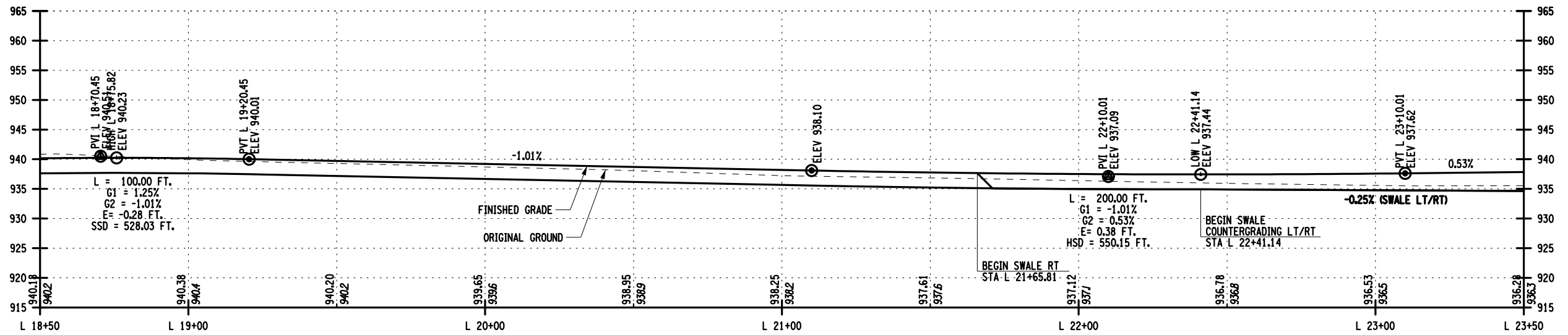
ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 PROFILE

CONTRACT NUMBER
 RFP 02-23
 DRAWING NO. PR0-01
 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

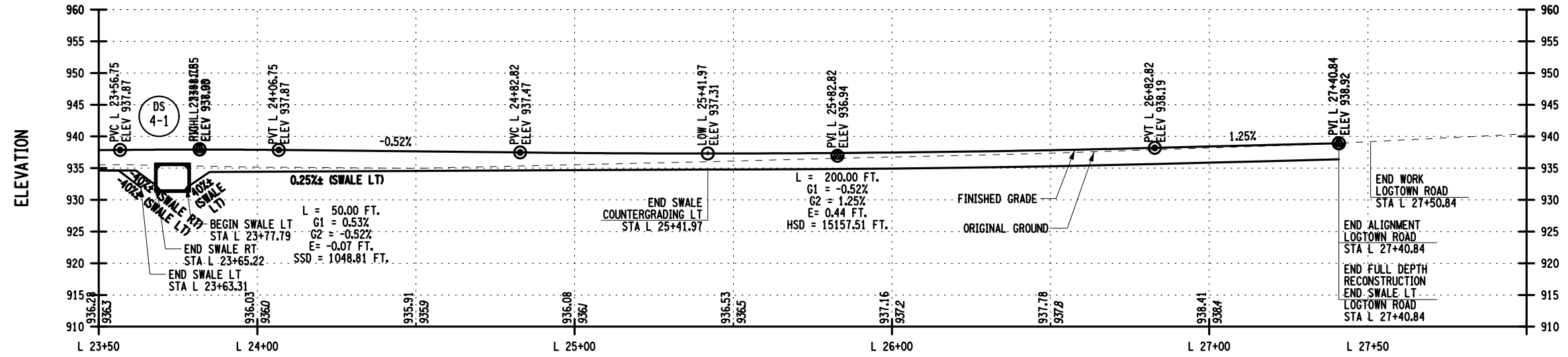
ELEVATION



LOGTOWN ROAD

STATION

LOGTOWN ROAD



STATION

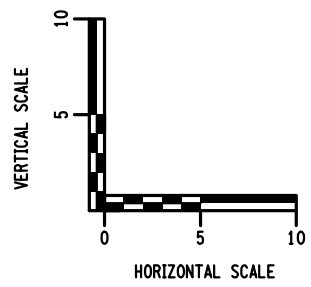
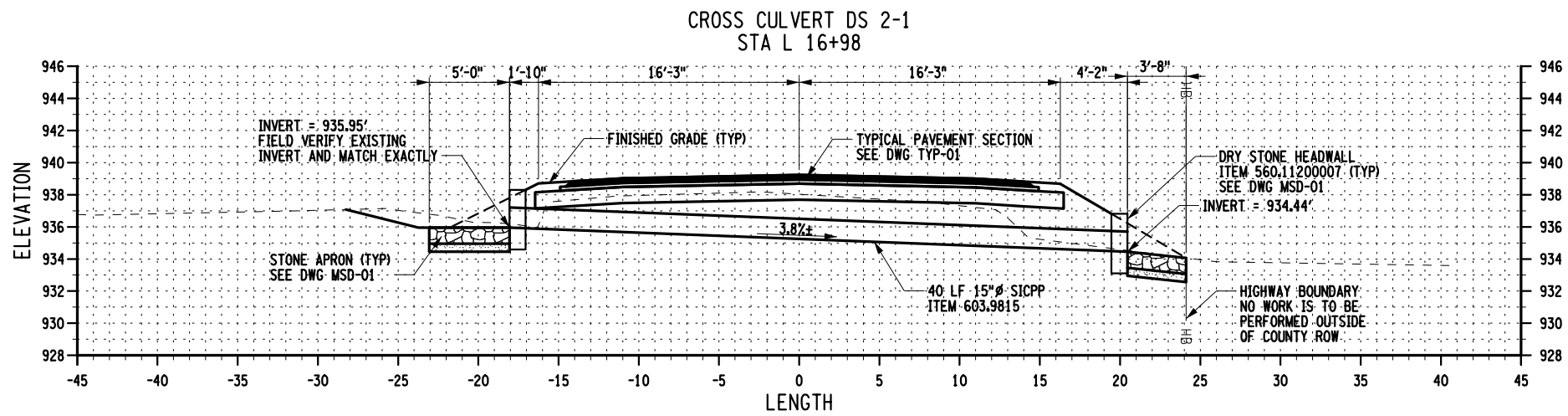
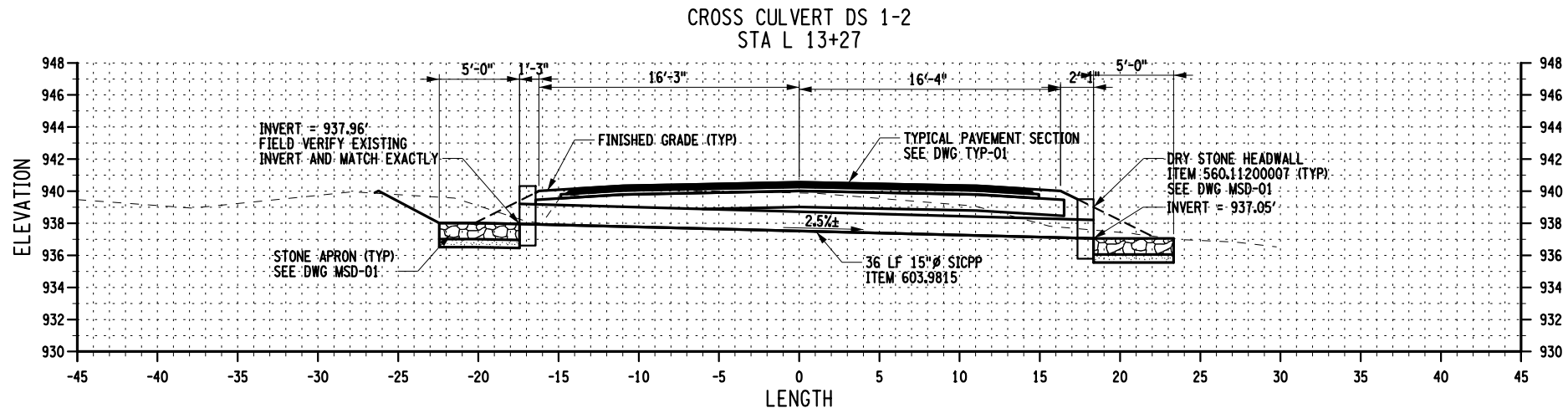
AFFIX SEAL: GREENMAN - PEDERSEN, INC
 ON: 1/19/2023
 ALTERED BY:
 ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER RFP 02-23
	TOWN OF SPRAKERS					DRAWING NO. PRO-02 SHEET NO. 18
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.						
MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS						

FILE NAME = \\CADD\log_oph_dsc-1.dgn
 DATE/TIME = 1/20/2023
 USER = tyjce

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



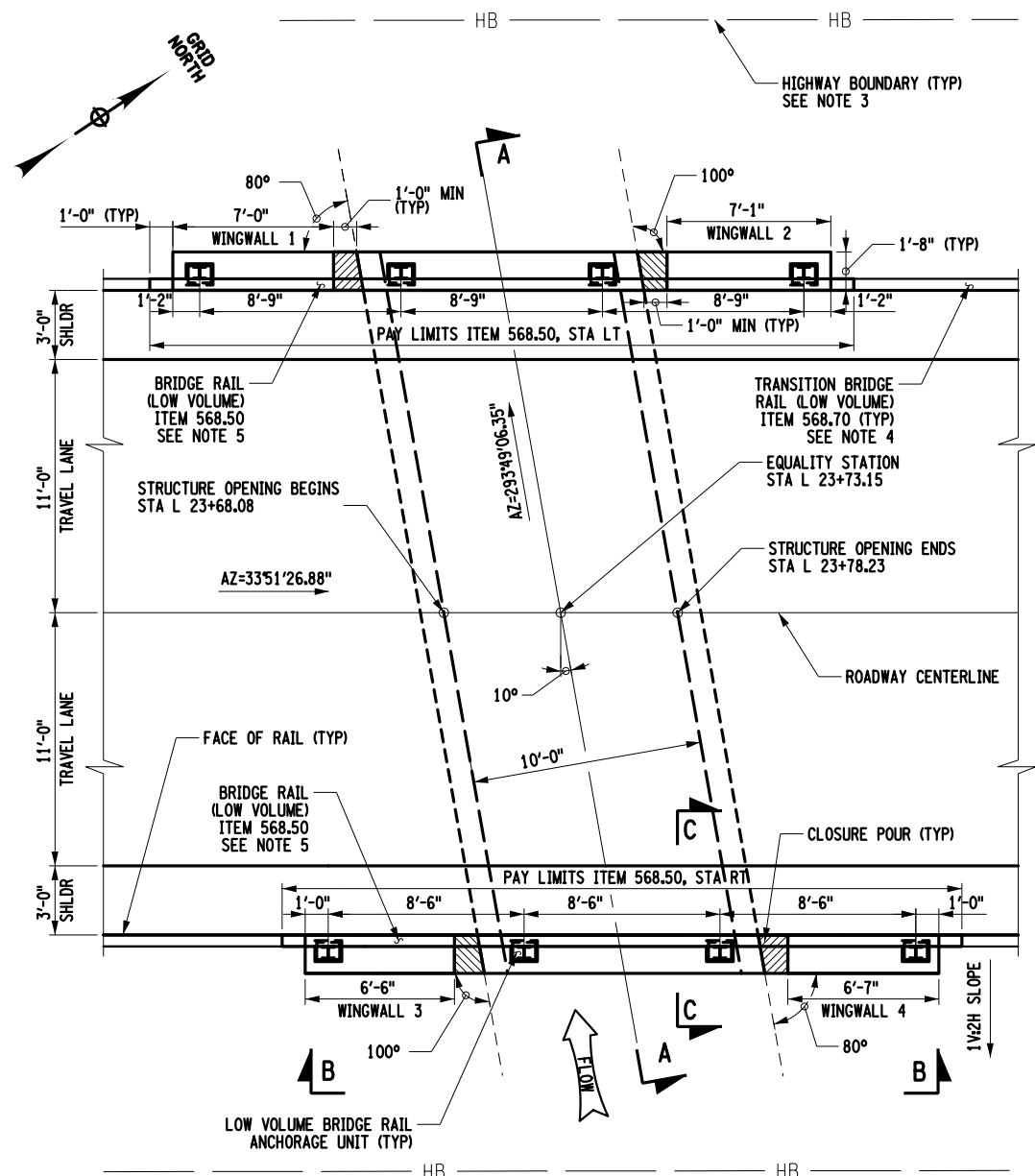
AFFIX SEAL: GREENMAN - PEDERSEN, INC
 ON: 1/19/2023

ALTERED BY:
 ON:



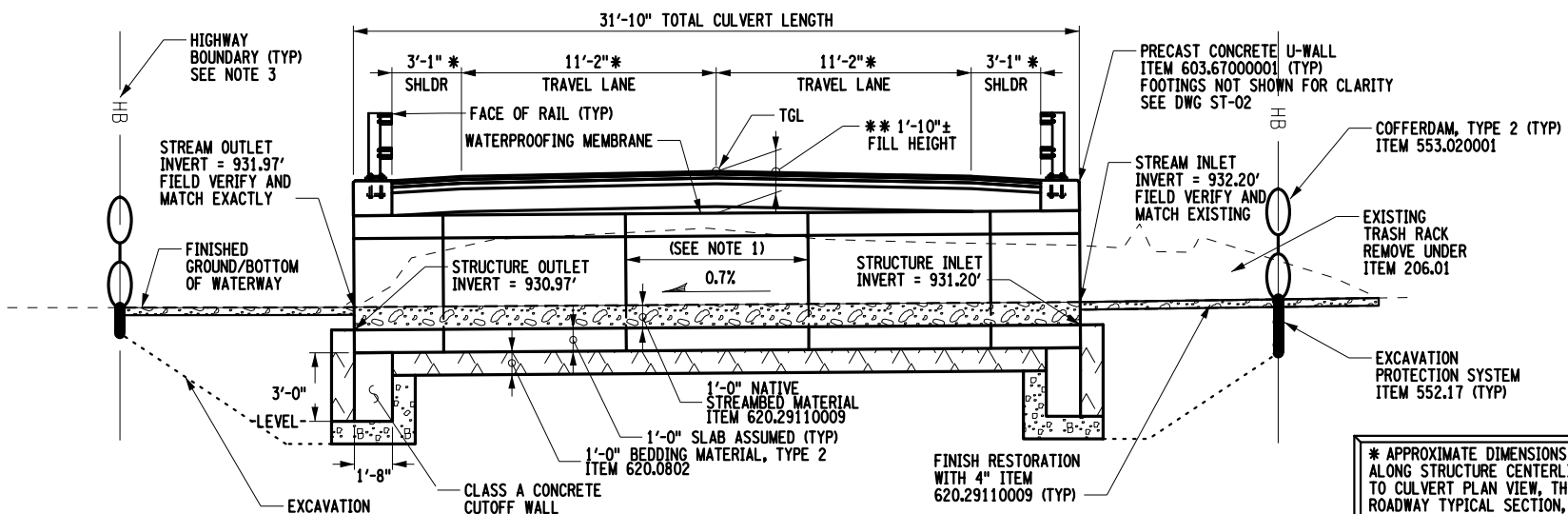
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110) TOWN OF SPRAKERS COUNTY: MONTGOMERY	PIN REGION: 2	BRIDGES CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED DRAINAGE CROSS SECTIONS	CONTRACT NUMBER RFP 02-23 DRAWING NO. DSC-01 SHEET NO. 19
IT IS A VIOLATION OF LAW FOR 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.				GREENMAN-PEDERSEN, INC. CONSULTING ENGINEERS	MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS

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



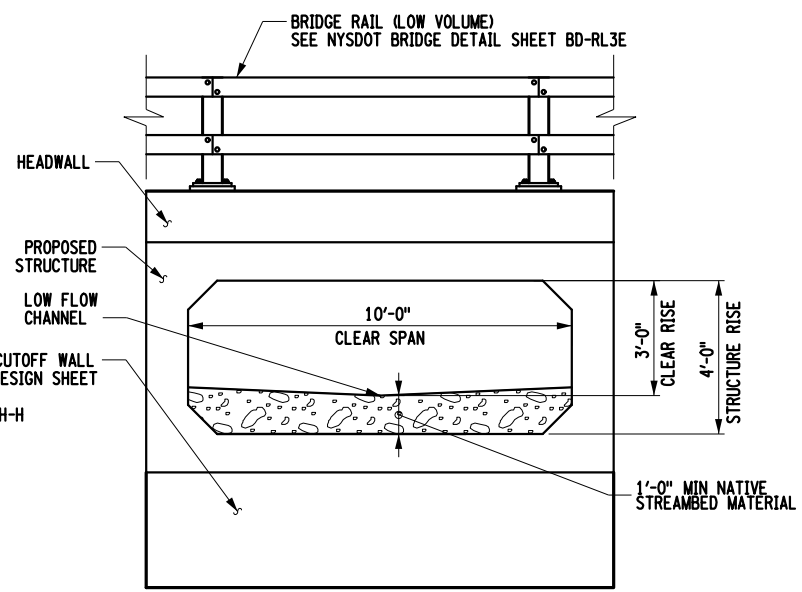
CULVERT PLAN VIEW
NOT TO SCALE

- CONTRACTOR NOTES:**
1. THE LENGTH OF EACH CULVERT SEGMENT SHALL BE DETERMINED BY THE CONTRACTOR.
 2. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1".
 3. NO WORK IS TO BE PERFORMED OUTSIDE OF COUNTY ROW WITHOUT FIRST OBTAINING EXPRESS PERMISSION FROM THE IMPACTED LANDOWNER. USE STEEL SHEETING OR OTHER EXCAVATION PROTECTION SYSTEM AS REQUIRED TO ENSURE LIMITS OF BOX CULVERT EXCAVATION REMAIN WITHIN THE ROW. PAYMENT FOR THESE SYSTEMS TO BE MADE UNDER ITEM 552.17, SHIELDS AND SHORING.
 4. REFER TO NYSDOT BRIDGE SHEET BD-RL3E FOR ADDITIONAL LOW VOLUME BRIDGE RAIL DETAILS.



LONGITUDINAL ELEVATION A-A
NOT TO SCALE

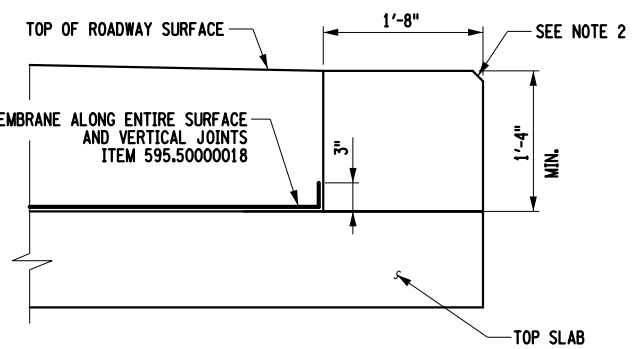
* APPROXIMATE DIMENSIONS TAKEN ALONG STRUCTURE CENTERLINE. REFER TO CULVERT PLAN VIEW, THIS DWG, AND ROADWAY TYPICAL SECTION, DWG TYP-01 FOR UNSKEWED WIDTHS.
 ** SAMPLE LOCATION OF FILL HEIGHT. ACTUAL LOCATION OF MAXIMUM AND MINIMUM FILL HEIGHTS WILL VARY BASED ON CROSS SLOPE OF ROADWAY AND SLOPE OF CULVERT.



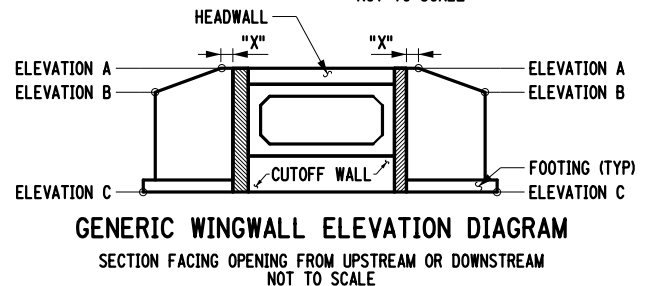
CULVERT SECTION B-B
NOT TO SCALE

BOX CULVERT DESIGN DATA	
CLEAR SPAN, ft.	10.0
STRUCTURE RISE, ft.	4.0
* MIN. FILL HEIGHT, ft.	1.35±
* MAX. FILL HEIGHT, ft.	1.85±
SKEW ANGLE I TO C OF ROADWAY, DEG.	10
LIVE LOAD	HL93
RAILING / BARRIER TEST LEVEL	TL-2

* BASED ON ASSUMED TOP SLAB THICKNESS OF 1'-0". MEASURED FROM THE TOP OF THE TOP SLAB TO THE TOP OF THE PAVEMENT.



SECTION C-C WATERPROOFING MEMBRANE AT HEADWALL
NOT TO SCALE



GENERIC WINGWALL ELEVATION DIAGRAM
SECTION FACING OPENING FROM UPSTREAM OR DOWNSTREAM
NOT TO SCALE

WINGWALL DATA				
LOCATION	*ELEVATION A	*ELEVATION B	*ELEVATION C	DIMENSION "X"
WINGWALL 1	937.52'	937.44'	926.97'	1'-0"
WINGWALL 2	937.52'	937.51'	926.97'	1'-0"
WINGWALL 3	937.53'	937.46'	927.20'	1'-0"
WINGWALL 4	937.53'	937.50'	927.20'	1'-0"

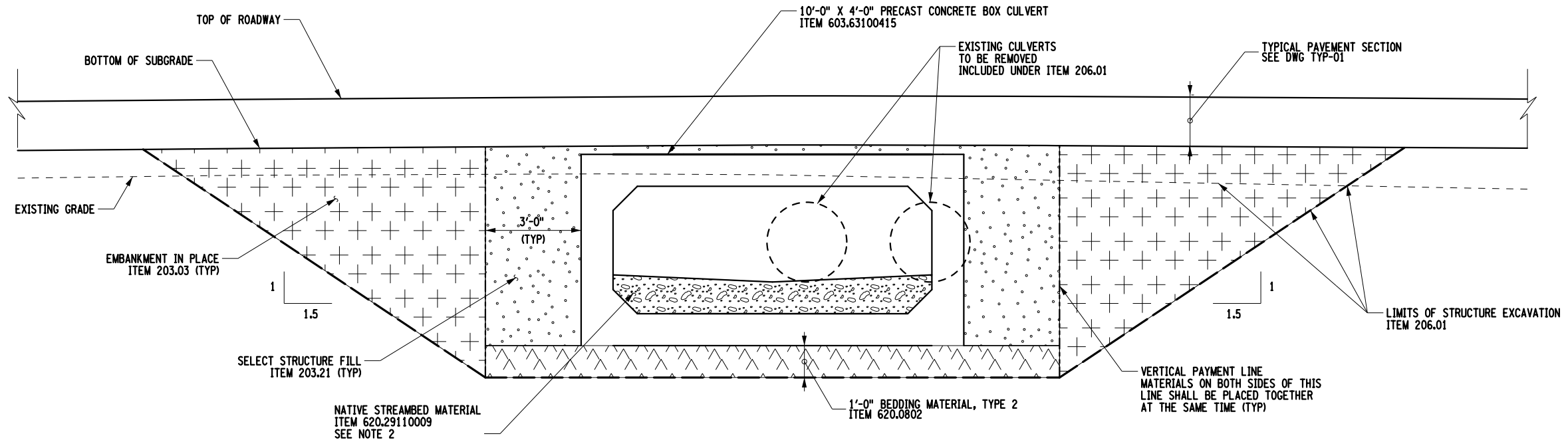
DIMENSION "X" MEASURED ALONG FRONT FACE OF WINGWALL REFER TO NYSDOT BRIDGE DESIGN SHEET BD-CB6 FOR ADDITIONAL DETAILS * SEE WINGWALL ELEVATION DIAGRAM THIS DWG FOR LOCATIONS

AFFIX SEAL: GREENMAN - PEDERSEN, INC
ON: 1/19/2023
 ALTERED BY:
ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER RFP 02-23	
	TOWN OF SPRAKERS				BOX CULVERT PLAN AND SECTIONS	DRAWING NO. ST-01 SHEET NO. 21	
CITY OF 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

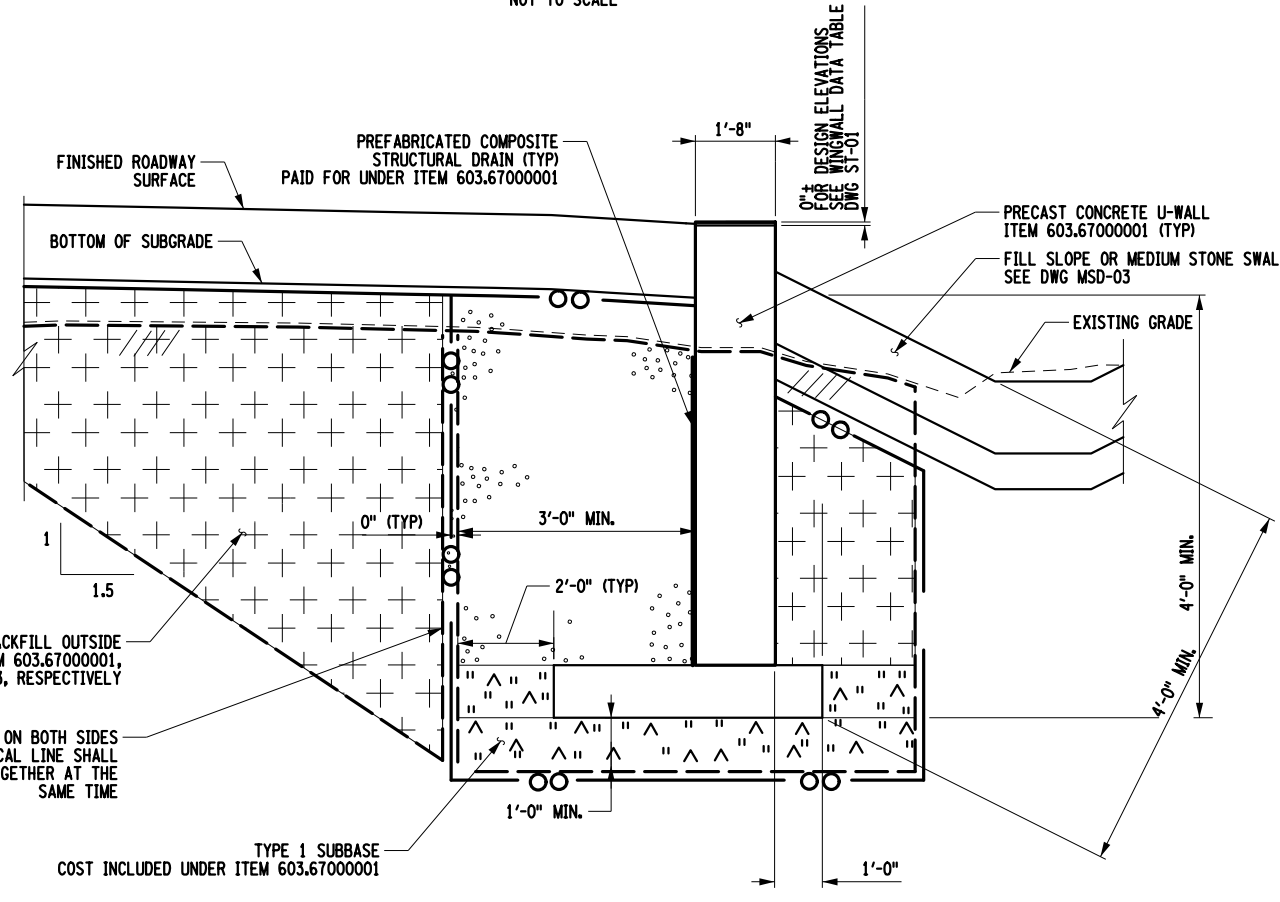
FILE NAME = \\CADD\log_oph_st-1.dgn
 DATE/TIME = 1/20/2023
 USER = tyjoe



EXCAVATION AND EMBANKMENT SECTION
 NOT TO SCALE

LEGEND

- NATIVE STREAMBED MATERIAL (ITEM 620.29110009)
- BEDDING MATERIAL, TYPE 2 (ITEM 620.0802)
- SELECT STRUCTURE FILL (ITEM 203.21), COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY
- EMBANKMENT IN PLACE (ITEM 203.03 - SEE DETAILS FOR PAY LIMITS)
- SUBBASE COURSE, TYPE 1 (COST INCLUDED UNDER ITEM 603.67000001)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR STRUCTURE EXCAVATION (ITEM 206.01 - DRAINAGE TABLE)
- WITHIN THESE LINES, EXCAVATE AND BACKFILL IN ACCORDANCE WITH THE ITEMS INDICATED. PAYMENT FOR ALL ITEMS WITHIN THESE LINES SHALL BE INCLUDED IN THE PRICE BID FOR THE WINGWALL ITEM



GENERIC PRECAST CANTILEVER U-WALL ON SOIL SECTION
 NOT TO SCALE

CONTRACTOR NOTES:

1. SEE DWGS ST-01 AND ST-03 FOR ADDITIONAL ITEMS AND DETAILS.
2. THE CONTRACTOR MAY ELECT TO STOCKPILE AND RE-USE EXISTING ON-SITE STREAMBED MATERIAL FOR PLACEMENT WITHIN THE NEW BOX CULVERT. BOTH THE STOCKPILING AND REPLACEMENT OF EXISTING MATERIAL AND ANY ADDITIONAL NEWLY IMPORTED MATERIAL REQUIRED SHALL BE PAID FOR UNDER ITEM 620.29110009.

FABRICATOR NOTES:

FABRICATOR SHALL DESIGN WEEPHOLES AS REQUIRED BY SECTION 11 OF THE BRIDGE MANUAL. WEEPHOLES USE 4" DIA. PIPE AND PREFABRICATED STRUCTURAL DRAIN AS SHOWN ON NYS DOT BRIDGE DESIGN SHEET BD-EE3. COST INCLUDED UNDER ITEM 603.63100415 AND ITEM 603.67000001.
 REFER TO NYS DOT BD-CD SHEETS FOR ANY ADDITIONAL DETAILS.

AFFIX SEAL: GREENMAN - PEDERSEN, INC
 ON: 1/19/2023
 ALTERED BY:
 ON:

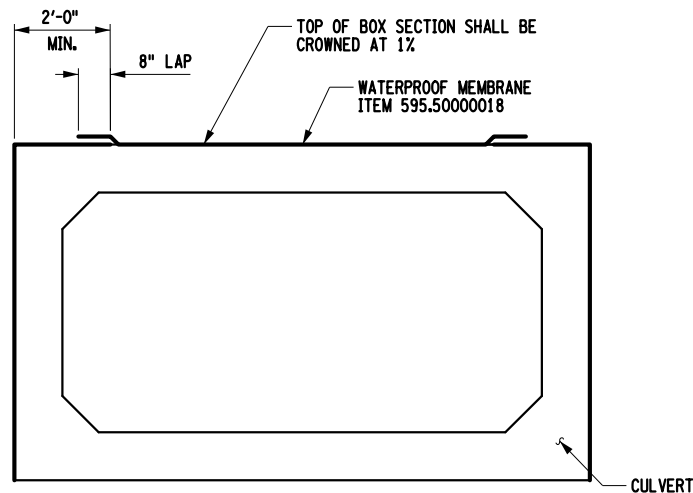


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER RFP 02-23
	TOWN OF SPRAKERS				BOX CULVERT EXCAVATION AND EMBANKMENT	DRAWING NO. ST-02 SHEET NO. 22
COUNTY: MONTGOMERY	REGION: 2					

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.

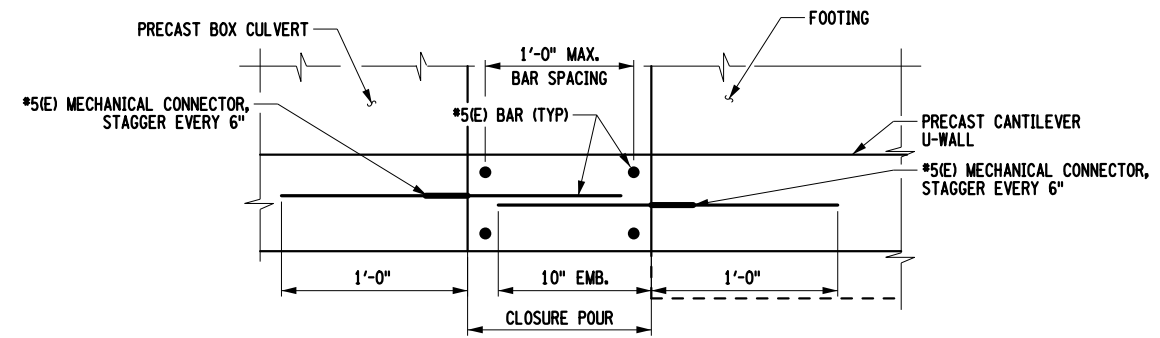
PROJECT MANAGER C. CORNWELL
 CHECK C. CORNWELL
 DRAFTING M. HACKER
 DESIGN M. HACKER
 JOB MANAGER C. CORNWELL
 DESIGN SUPERVISOR C. CORNWELL

FILE NAME = \\CADD\log_oph_st-3.dgn
 DATE/TIME = 1/20/2023
 USER = tyjoe



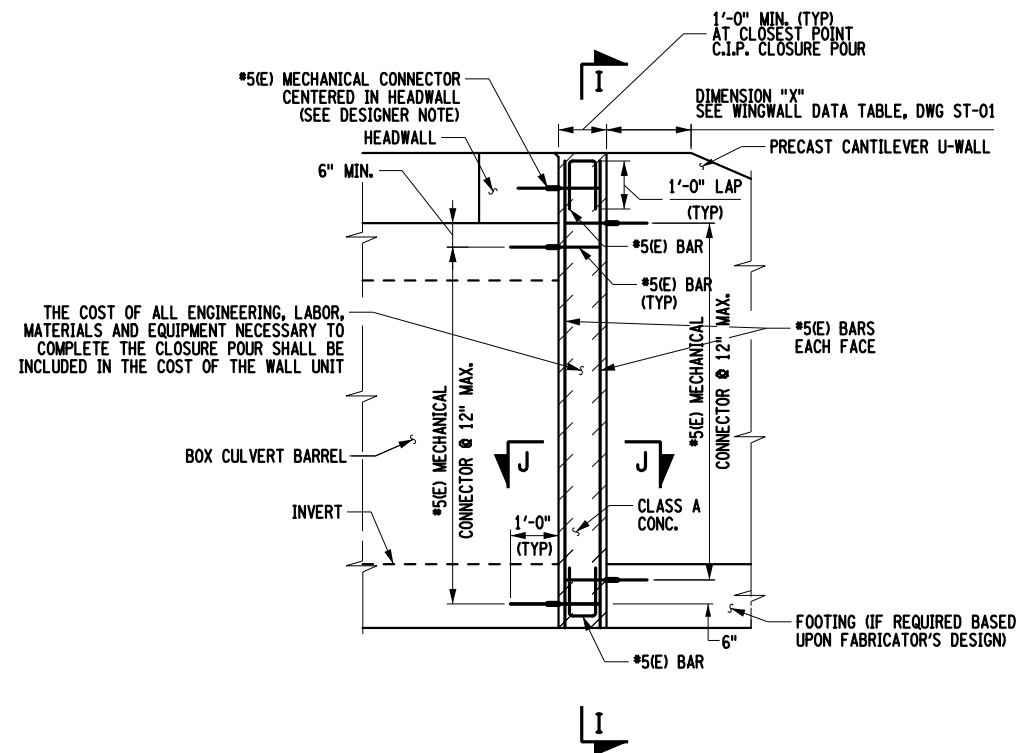
NOTE:
WHEN SPLICES ARE
REQUIRED IN THE
WATERPROOF MEMBRANE,
LOCATE AS SHOWN.

**WATERPROOF MEMBRANE
SPLICE DETAIL**
NOT TO SCALE



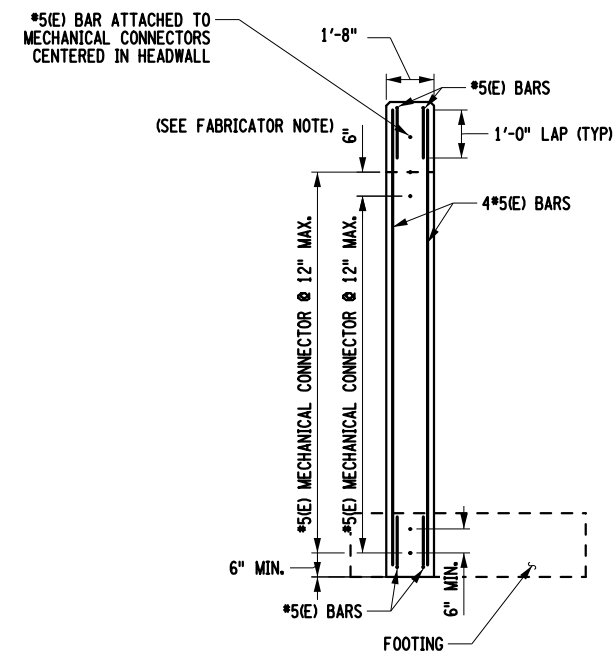
NOTE: PLACE C.I.P. CLOSURE POUR AFTER
BACKFILLING USING C.I.P. FORMS.

SECTION J-J
NOT TO SCALE



THE COST OF ALL ENGINEERING, LABOR,
MATERIALS AND EQUIPMENT NECESSARY TO
COMPLETE THE CLOSURE POUR SHALL BE
INCLUDED IN THE COST OF THE WALL UNIT

CLOSURE POUR DETAIL
NOT TO SCALE



**SECTION I-I
CLOSURE POUR REINFORCEMENT SECTION**
NOT TO SCALE

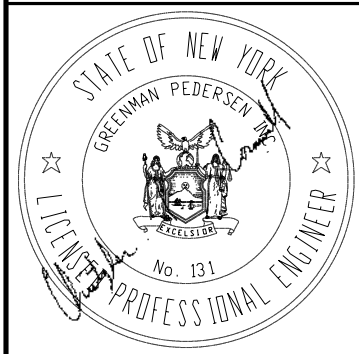
CONTRACTOR NOTES:

1. ACTUAL CULVERT TOP SLAB AND BOTTOM SLAB THICKNESSES, REINFORCEMENT SIZE AND SPACINGS TO BE DETERMINED BY THE FABRICATOR.
2. WHERE EPOXY COATED THREADED INSERTS ARE SHOWN, ANY NON-CORROSIVE MECHANICAL CONNECTOR MEETING §709-10 MAY BE USED AS AN ALTERNATIVE.
3. ALL REINFORCEMENT COVER ON PRECAST UNITS SHALL BE 1" UNLESS NOTED OTHERWISE.
4. SEE DWGS ST-01 AND ST-02 FOR ADDITIONAL ITEMS AND DETAILS.

FABRICATOR NOTES:
MECHANICAL CONNECTOR IN HEADWALL DETAIL IS FOR HEADWALLS <2' HIGH. FOR HEADWALLS >2' PROVIDE ADDITIONAL MECHANICAL CONNECTOR AT SPACINGS SIMILAR TO THE LOWER PORTION OF THE CLOSURE POUR.
ALL BARS ARE TO HAVE PROTECTION FROM CORROSION. EPOXY COATED BARS SHOWN.
REFER TO NYSDOT BRIDGE DESIGN BD-CB SHEETS FOR ADDITIONAL DETAILS.

AFFIX SEAL: GREENMAN - PEDERSEN, INC
ON: 1/19/2023

ALTERED BY:
ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER RFP 02-23
	TOWN OF SPRAKERS				BOX CULVERT REINFORCEMENT AND CLOSURE POUR DETAILS	DRAWING NO. ST-03 SHEET NO. 23
	COUNTY: MONTGOMERY	REGION: 2				MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS

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

FILE NAME = \\CADD\log_oph_eqq-1.dgn
 DATE/TIME = 1/20/2023
 USER = tyce

DESIGN SUPERVISOR C. CORNWELL
 DESIGN T. VYCE
 CHECK C. CORNWELL
 DRAFTING T. VYCE
 CHECK C. CORNWELL
 PROJECT MANAGER C. CORNWELL

ESTIMATE OF QUANTITIES				
ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	AS-BUILT QUANTITY
201.06	CLEARING AND GRUBBING (LARGE AREA) (BY OTHERS)	LS	-	
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	2,506	
203.03	EMBANKMENT IN PLACE	CY	1,219	
203.07	SELECT GRANULAR FILL	CY	32	
203.21	SELECT STRUCTURE FILL	CY	64	
203.24010017	SHOULDER BACKUP MATERIAL	TON	213	
206.01	STRUCTURE EXCAVATION	CY	285	
206.0201	TRENCH AND CULVERT EXCAVATION	CY	65	
209.13	SILT FENCE - TEMPORARY	LF	3,482	
209.200301	TURF REINFORCEMENT MATS, CLASS II TYPE C, PERMANENT	SY	2,438	
304.12	SUBBASE COURSE, TYPE 2	CY	2,099	
404.128301	12.5 F3 TOP COURSE WMA, 80 SERIES COMPACTION (BY OTHERS)	TON	-	
404.258901	25 F9 BINDER COURSE WMA, 80 SERIES COMPACTION (BY OTHERS)	TON	-	
404.378901	37.5 F9 BASE COURSE WMA, 80 SERIES COMPACTION (BY OTHERS)	TON	-	
407.0103	TACK COAT (STRAIGHT) (BY OTHERS)	GAL	-	
490.30	MISCELLANEOUS COLD MIXING OF BITUMINOUS CONCRETE	SY	-	
552.17	SHIELDS AND SHORING (BY OTHERS)	SF	-	
553.020001	COFFERDAMS (TYPE 2)	EA	2	
553.030001	TEMPORARY WATERWAY DIVERSION STRUCTURE	EA	3	
555.0105	CONCRETE FOR STRUCTURES - CLASS A	CY	4	
560.11200007	CONSTRUCT STONE WALL	LF	52	
568.50	STEEL BRIDGE RAILING (TWO RAIL)	LF	61	
568.70	TRANSITION BRIDGE RAILING	LF	128	
595.50000016	SHEET-APPLIED WATERPROOFING MEMBRANE	SF	726	
603.63100415	PRECAST CONCRETE BOX CULVERT (FULL HEIGHT LESS THAN 24 IN) 10 FT SPAN, 4 FT RISE	LF	32	
603.67000001	PRECAST CONCRETE WINGWALL UNITS FOR BOX CULVERTS	SY	32	
603.9815	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 15 INCH DIAMETER	LF	155	
606.1001	BOX BEAM GUIDE RAILING WITH EXTRA LONG POSTS	LF	72	
606.120101	BOX BEAM END PIECE	EA	2	
606.120201	BOX BEAM GUIDE RAILING TYPE II END SECTION	EA	2	
610.16010020	TURF ESTABLISHMENT - (X=ROADSIDE OR LAWNS)	SY	2,438	
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	1	
619.27	MAILBOXES	EA	1	

ESTIMATE OF QUANTITIES				
ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	AS-BUILT QUANTITY
620.03	STONE FILLING - LIGHT	CY	137	
620.04	STONE FILLING - MEDIUM	CY	96	
620.0802	BEDDING MATERIAL - TYPE 2	CY	141	
620.29110009	NEW (IMPORTED) STREAM BED MATERIAL (B)	CY	17	
625.01	SURVEY OPERATIONS	LS	1	
627.50140008	CUTTING PAVEMENT	LF	112	
640.21	YELLOW PAINT REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	3,482	
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITH 2-BARS (BY OTHERS)	SF	-	
645.81	TYPE A SIGN POSTS (BY OTHERS)	EA	-	
646.22	DELINEATOR, SNOWPLOWING MARKER, SUPPLEMENTARY SNOWPLOWING MARKER PANELS (BY OTHERS)	EA	-	
646.32	STEEL POST, (X=1.1 LB/FT PR 2.0 LB/FT) (BY OTHERS)	EA	-	
647.51	REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE 3 (UNDER 30 SQUARE FEET) (BY OTHERS)	EA	-	
697.03	FIELD CHANGE PAYMENT (FCP)	DC	35,600	
699.040001	MOBILIZATION 4%	LS	1	

AFFIX SEAL: GREENMAN - PEDERSEN, INC ON: 1/19/2023	ALTERED BY: On:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LOGTOWN ROAD (COUNTY ROUTE 110)	PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER RFP 02-23
	TOWN OF SPRAKERS				ESTIMATE OF QUANTITIES	DRAWING NO. EQQ-01 SHEET NO. 23
	COUNTY: MONTGOMERY	REGION: 2				MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS

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