

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

ADDITIONAL PROJECT SYMBOLOGY:

	CONDUIT UNDERGROUND IN SINGLE TRENCH
	PHASE


S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409, S.H. 5194, S.H. 5656A, S.H. C67004	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20	UTILITY QUALITY LEVEL B			LEGEND	DRAWING NO. LEG-1 SHEET NO. 3
COUNTY: VARIOUS	REGION: 02				

NEW YORK STATE OF OPPORTUNITY
 Department of Transportation

ALIGNMENT			DRAINAGE			ITS			ROW MAPPING			SIGNS			UTILITIES		
CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION
⊗	ACC	CENTER OF CURVATURE	+	DINV	INVERT	⊕	IANT P	ANTENNAS	⊕	MDL1P	DEED LINE, TYPE 1	⊕	S	SINGLE POST	⊕	UEB	ELECTRIC, BOX
+	ACOGO	COGO	▭	DS	STRUCTURE, RECTANGULAR	⊕	IASCTS	ACCOU. SPEED/COUNT SNSR.S	⊕	MDL2P	DEED LINE, TYPE 2	⊕	S.P	SINGLE POST, PROPOSED	⊕	UEM	ELECTRIC, METER
⊙	ACS	CURVE TO SPIRAL	+	DSI	STRUCTURE, INVERT	⊕	ICABPAD	CABINET & PAD	⊕	MDL3P	DEED LINE, TYPE 3	⊕	SB.P	BACK TO BACK, PROPOSED	⊕	UEMH	ELECTRIC, MANHOLE
△	ADPI.P	DETOUR, POINT OF INTERSECT.	⊕	DSM	STRUCTURE, MANHOLE	⊕	ICCTV	CCTV SITE	⊕	MDL4P	DEED LINE, TYPE 4	⊕	SDEL	DELINEATORS	⊕	UEPT	ELECTRIC, POLE, TRANS.
⊙	ADPL.P	DETOUR, POINT ON LINE	⊕	DSMTXX.P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96	⊕	ICDPD	CDPD TRANSCEIVER	⊕	MDL5P	DEED LINE, TYPE 5	⊕	SPM	PARKING METER	⊕	UGM	GAS, METER
⊙	AEQN	EQUATION	⊕	DSR	STRUCTURE, ROUND	⊕	ICELLT	CELL PHONE TOWER	⊕	MEEP	EASEMENT, EXISTING	⊕	SRM	REFERENCE MARKERS	⊕	UGMH	GAS, MANHOLE
⊙	AEQNAHD	EQUATION AHEAD	⊕	DSR	STRUCTURE, ROUND	⊕	ICJB	CONDUIT JACK OR BORING	⊕	MCPAP.P	EASEMENT, PERM., APPROX.	⊕	SRSC3	SHLD, CTY, 123 DIG.	⊕	UGLM	GAS, LINE MARKER
⊙	AEQNBK	EQUATION BACK	⊕	DST"X"CB P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	⊕	ICNTLCAB	CONTROLLER CABINET	⊕	MEPP.P	EASEMENT, PERM., BACK LINE	⊕	SRSC4	SHLD, CTY, 4 DIG.	⊕	UGP	GAS/FUEL PUMP
⊙	AEVT	EVENT STATION	⊕	DST"X" P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U	⊕	ICPB	COMMUNICATION PULL BOX	⊕	MEPSP.P	EASEMENT, PERM., SHAPE	⊕	SRSCT2	SHLD, CTY TOUR, 1-2 DIG.	⊕	UGV	GAS, VALVE
⊙	APC	POINT OF CURVATURE	ENVIRONMENTAL			⊕	ICTD	CONDUIT TURNING DOWN	⊕	MFAP.P	FEE ACQUISITION, APPROX.	⊕	SRSCT4	SHLD, CTY TOUR, 3-4 DIG.	⊕	UGVT	GAS, VENT
⊙	APCC	POINT OF COMPOUND CURVATURE				⊕	ICTU	CONDUIT TURNING UP	⊕	MF.P	FEE ACQUISITION, BACK LINE	⊕	MFP.P	FEE ACQUISITION, BACK LINE	⊕	SRSI	SHLD, INTERSTATE
△	API	POINT OF INTERSECTION	ENVIRONMENTAL			⊕	ICVTRT	COMM. VEH. ROAD TRANSCEIVER	⊕	MFSP.P	FEE ACQUISITION, SHAPE	⊕	SRSN2	SHLD, NATIONAL, 2 DIG.	⊕	ULPM	LIGHTING, POLE, MEDIAN
△	APOB	POINT OF BEGINNING				+	IDEFAULT	DEFAULT	⊕	MHBAP	HIGHWAY BNDRY., APPROX.	⊕	MHBAP	HIGHWAY BNDRY., APPROX.	⊕	SRSN3	SHLD, NATIONAL, 3 DIG.
⊙	APOC	POINT OF CURVATURE	⊕	IEZR	E-ZPASS READER	⊕	MHBCP	HISTORICAL, BLDG. CORNERS	⊕	MHBCP	HISTORICAL, BLDG. CORNERS	⊕	SRSS2	SHLD, STATE, 2 DIG.	⊕	UMFC	MISC. FILLER CAP
△	APOE	POINT OF END	⊕	IEZTR	TRANSMITTAL READER	⊕	MHBP	HIGHWAY BNDRY, PT.	⊕	MHBP	HIGHWAY BNDRY, PT.	⊕	SRSS3	SHLD, STATE, 3 DIG.	⊕	UOLM	OIL, LINE MARKER
⊙	APOL	POINT ON LINE	⊕	IFXCAB	FIBER OPTIC X-CONNECT CABINET	⊕	MJCP	PT., JURIS. CITY	⊕	MJCP	PT., JURIS. CITY	⊕	SRSS4	SHLD, STATE, 4 DIG.	⊕	UP	POLE, WITH UTILITY
⊙	APOS	POINT ON SPIRAL	⊕	IFUSSPL	FUSION SPLICE	⊕	MPBC	PT., BUILDING CORNER	⊕	MPBC	PT., BUILDING CORNER	TRAFFIC CONTROL			⊕	UPD	POLE, DEAD (NO UTILITY)
⊙	APOT	POINT ON TANGENT	⊕	IHARADV	HAR ADVISORY SIGN	⊕	MPCC	PT., CROSS CUT	⊕	MPCC	PT., CROSS CUT				⊕	TCBJ	BOX, JUNCTION
△	APOVC	POINT ON VERTICAL CURVE	⊕	IHARST	HAR SITE	⊕	MPDH	PT., DRILL HOLE	⊕	MPDH	PT., DRILL HOLE	⊕	TCBP	BOX, PULL BOX	⊕	USMH	SANITARY SEWER MANHOLE
△	APOVT	POINT ON VERTICAL TANGENT	⊕	ILC	LOAD CENTER	⊕	MPF	PT., FENCE LOCATION	⊕	MPF	PT., FENCE LOCATION	⊕	TCBS	BOX, SPLICE	⊕	UTB	TELEPHONE, BOOTH
Y	APORC	POINT ON REVERSE CURVE	⊕	IMECSPL	MECHANICAL SPLICE	⊕	MPIP	PT., IRON PIPE	⊕	MPIP	PT., IRON PIPE	⊕	TCMC	MICROCOMPUTER CABINET	⊕	UTLM	TELEPHONE, LINE MARKER
⊙	APT	POINT OF TANGENCY	⊕	IMSCS	PORT. SPEED & COUNT SENSOR	⊕	MPIR	PT., IRON ROD	⊕	MPIR	PT., IRON ROD	⊕	TCPP	PED POLE	⊕	UTMH	TELEPHONE, MANHOLE
⊙	APVC	POINT OF VERTICAL CURVATURE	⊕	IMSCTS	MICRO SPEED & COUNT SENSOR	⊕	MPM	PT., MONUMENT	⊕	MPM	PT., MONUMENT	⊕	TCSH	SIGNAL HEADS	⊕	UTVLM	CABLE TV, LINE MARKER
△	APVCC	POINT OF VERT. CMPND CURVE	⊕	IMT	MICROWAVE TRANSCEIVER	⊕	MPMM	PT., MONUMENT, MISC.	⊕	MPMM	PT., MONUMENT, MISC.	⊕	TCSP	SIGNAL POLE	⊕	UTVPB	CABLE TV, PULL BOX
⊕	APVI	POINT OF VERT. INTERSECTION	GEOTECHNICAL			⊕	MPN	PT., NAIL	⊕	MPN	PT., NAIL	TRAFFIC WORK ZONE			⊕	UUB	UNKNOWN, BOX
△	APVRC	POINT OF VERT. REVERSE CURVE				⊕	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR	⊕	MPRS	PT., RAILROAD SPIKE				⊕	MPRS	PT., RAILROAD SPIKE
⊙	APVT	POINT OF VERTICAL TANGENCY	LANDSCAPE			⊕	IPEDS	PEDESTRIAN SIGNAL HEAD	⊕	MPSP	PT., SPIKE	⊕	TWZAP.P	ARROW PANEL	⊕	UUMH	UNKNOWN, MANHOLE
⊙	ASC	SPIRAL TO CURVE				+	IPSS	PAVEMENT SURFACE SENSOR	⊕	MPST	PT., STAKE	⊕	MPST	PT., STAKE	⊕	TWZAPC.P	ARROW PANEL, CAUTION MODE
△	ASPI	SPIRAL POINT OF INTERSECTION	+	IPVMS	PERM. VMS	⊕	MPTW	PT., TREE W/ WIRE	⊕	MPTW	PT., TREE W/ WIRE	⊕	TWZAPT.P	ARROW PANEL, TRAILER OR SUPPORT	⊕	UUVL	UNKNOWN, VALVE
⊙	ASTS	SPIRAL TO SPIRAL	⊕	IRM	RAMP METER	⊕	MPWL	PT., WALL LOCATION	⊕	MPWL	PT., WALL LOCATION	⊕	TWZBCD.P	BARRICADE (TYPE III)	⊕	UUVT	UNKNOWN, VENT
⊗	AST	SPIRAL TO TANGENT	⊕	IRWIS	RDWY WEATHER INFO. SENSOR	ROW ACQUISITION			⊕	MFS.P.T	FEE ACQUISITION	⊕	TWZCMS.P	CHANGEABLE MESSAGE SIGN (PVMS)	⊕	UUVW	UNKNOWN, WELL
⊗	ATS	TANGENT TO SPIRAL	⊕	ISP	SOLAR PANEL				⊕	MFS.P.T	FEE ACQUISITION	⊕	MFS.P.T	FEE ACQUISITION	⊕	TWZFLG.P	FLAGGER
△	AVEVT	VERTICAL EVENT POINT	⊕	ISST	SPREAD SPECT. TRANSCEIVER	⊕	MEPS.P.T	EASEMENT, PERMANENT	⊕	MEPS.P.T	EASEMENT, PERMANENT	⊕	TWZFT.P	FLAG TREE	⊕	UWM	WATER, METER
⊙	AVHIGH	VERTICAL HIGH POINT	⊕	ITDB	TELEPHONE DEMARCATION BLK	⊕	METS.P.T	EASEMENT, TEMPORARY	⊕	METS.P.T	EASEMENT, TEMPORARY	⊕	TWZIA.P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)	⊕	UWMH	WATER, MANHOLE
⊙	AVLOW	VERTICAL LOW POINT	⊕	ITP	SUBSURFACE TEMP. PROBE	⊕	METS.P.T	EASEMENT, TEMPORARY	⊕	METS.P.T	EASEMENT, TEMPORARY	⊕	TWZLUM.P	LUMINAIRE (TEMPORARY)	⊕	UWV	WATER, VALVE
BRIDGE			⊕	IVTRT	VEHICLE TO RDWY TRANSCEIVER	⊕	METS.P.T	OCCUPANCY, TEMPORARY	⊕	METS.P.T	OCCUPANCY, TEMPORARY	⊕	TWZSDT.P	SYMBOL, DIRECTION OF TRAFFIC	⊕	UWW	WATER, WELL
			⊕	IWIND	WEIGHT IN MOTION DETECTOR	⊕	MFS.P.T	FEE ACQUISITION W/O ACCESS	⊕	MFS.P.T	FEE ACQUISITION W/O ACCESS	⊕	TWZSDTD.P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR	⊕	UWV	WATER, VALVE
CONTROL			⊕	IWVR	WIRELESS VIDEO REPEATER	ROADWAY			⊕	RES P	ELEVATION, SPOT	⊕	TWZSGN.P	SIGN (TEMPORARY)	LEGEND		
			⊕	IWVRC	WIRELESS VIDEO RECEIVER				⊕	RGA	GUIDE RAIL, ANCHOR	⊕	TWZSIG.P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)			
⊕	IWVTT	WIRELESS VIDEO TRANSMITTER	⊕	RGP	GUIDE POST, SINGLE	⊕	TWZWL.P	WARNING LIGHT	⊕	TWZWL.P	WARNING LIGHT	⊕	TWZWV.P	WORK VEHICLE	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED		
⊕	LUKP	UNKNOWN POINT	⊕	TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊕	TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR			

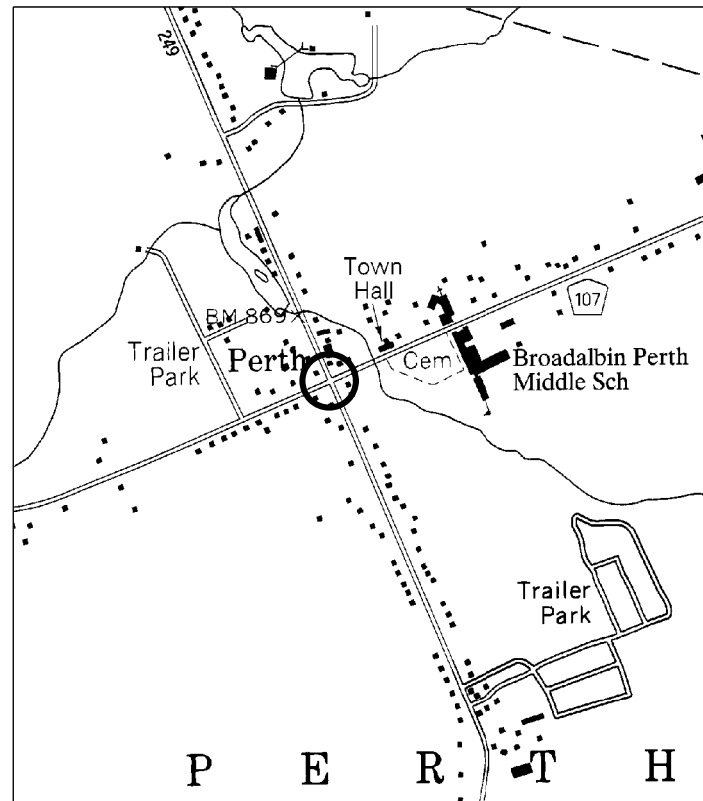
1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
4.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

S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409, S.H. 5194, S.H. 5656A, S.H. C67004	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20	UTILITY QUALITY LEVEL B	LEGEND			DRAWING NO. LEG-2 SHEET NO. 4
COUNTY: VARIOUS	REGION: 02				


Department of Transportation

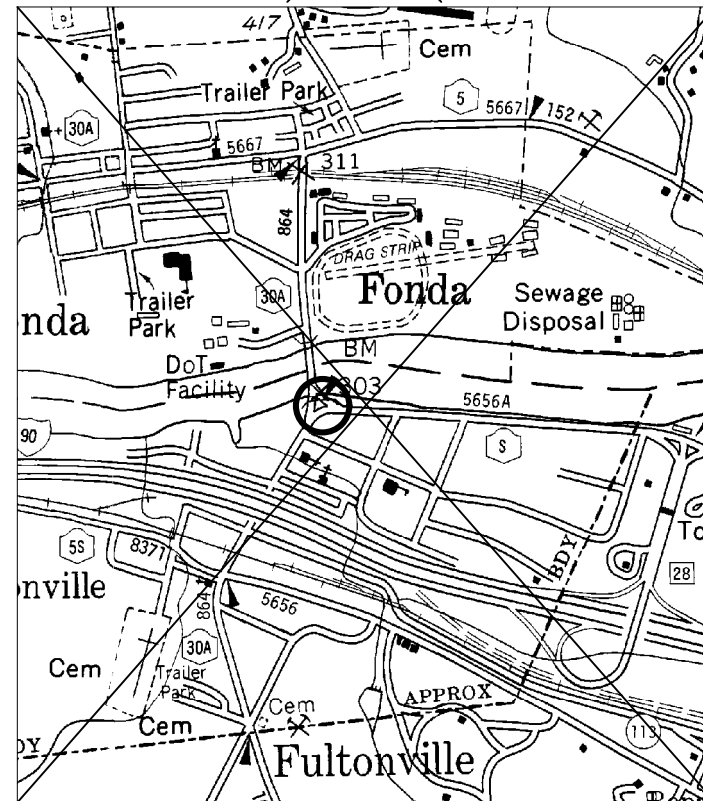
TRAFFIC SIGNAL LOCATION MAPS

SITE 1
PERTH
RTE 30/RTE 107



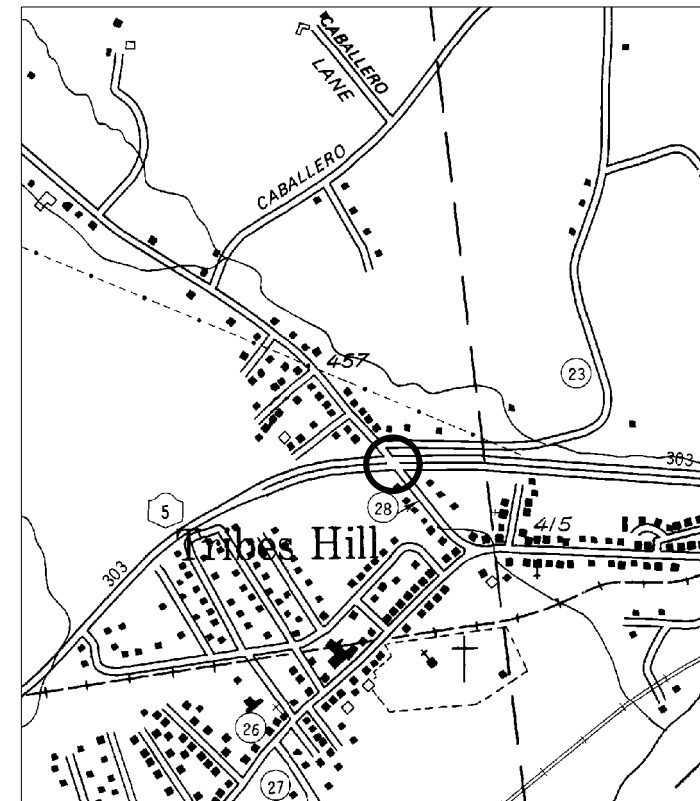
SCOPE OF WORK: SIGNAL REPLACEMENT
SITE 1 TRAFFIC VOLUMES
DHV: 475
AADT: 5275
% TRUCKS: 8%

N.I.C.
SITE 2
FULTONVILLE
N.I.C.



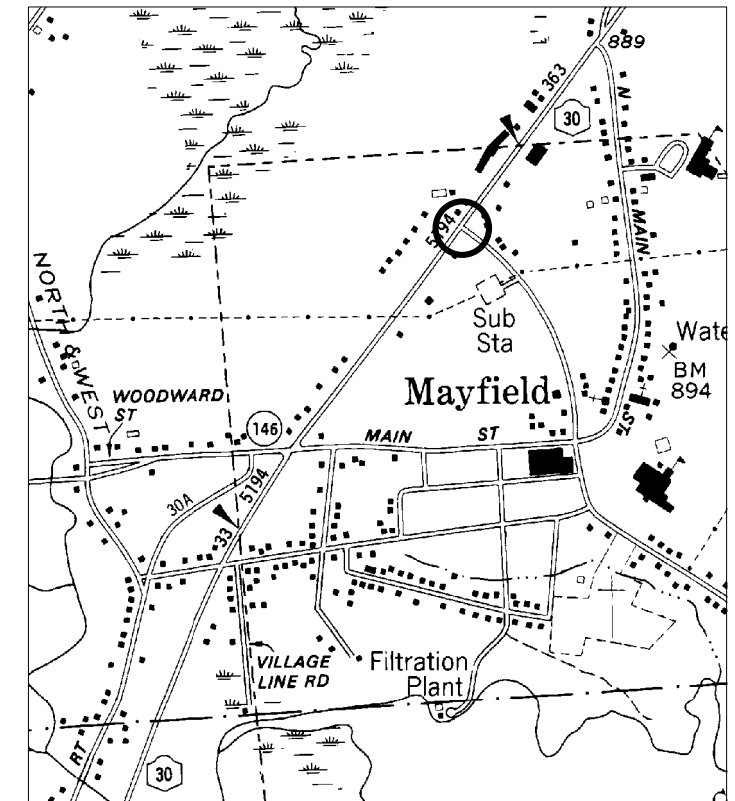
SCOPE OF WORK: SIGNAL REPLACEMENT
SITE 2 TRAFFIC VOLUMES
DHV: 970
AADT: 10766
% TRUCKS: 13%

SITE 3
TRIBES HILL
RTE 5/STONERS TRAIL RD



SCOPE OF WORK: SIGNAL REPLACEMENT
SITE 3 TRAFFIC VOLUMES
DHV: 355
AADT: 3927
% TRUCKS: 3%

SITE 4
MAYFIELD
RTE 30/ N. SCHOOL ST



SCOPE OF WORK: NEW SIGNAL INSTALLATION
SITE 4 TRAFFIC VOLUMES
DHV: 475
AADT: 5275
% TRUCKS: 8%

AFFIX SEAL:
ON: _____
ALTERED BY:
ON: _____



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409, S.H. 5194, S.H. 5656A, S.H. C67004
RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20
COUNTY: VARIOUS REGION: 02

PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
UTILITY QUALITY LEVEL B			LOCATION MAPS	DRAWING NO. MAP-1
			TRAFFIC SIGNAL SITES	SHEET NO. 5

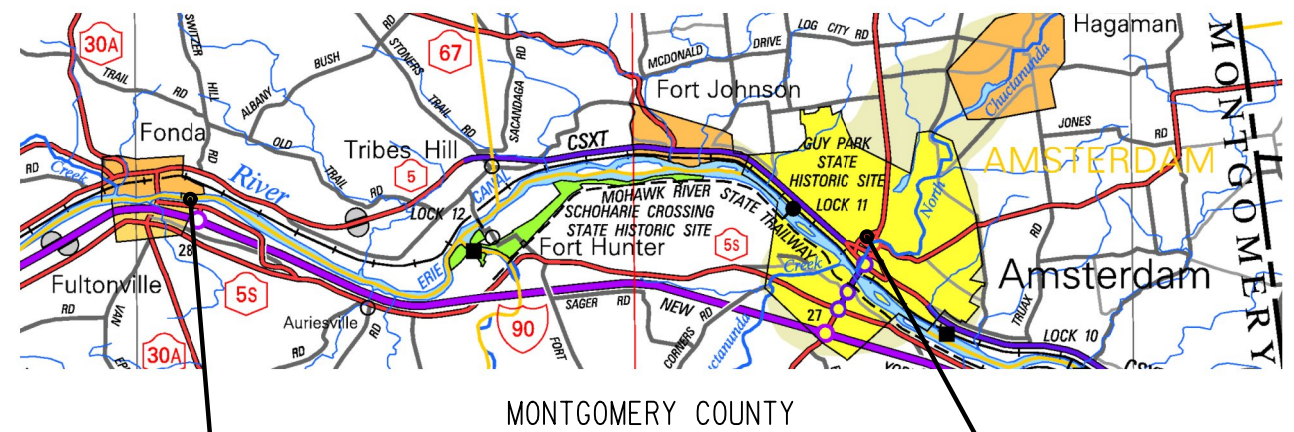
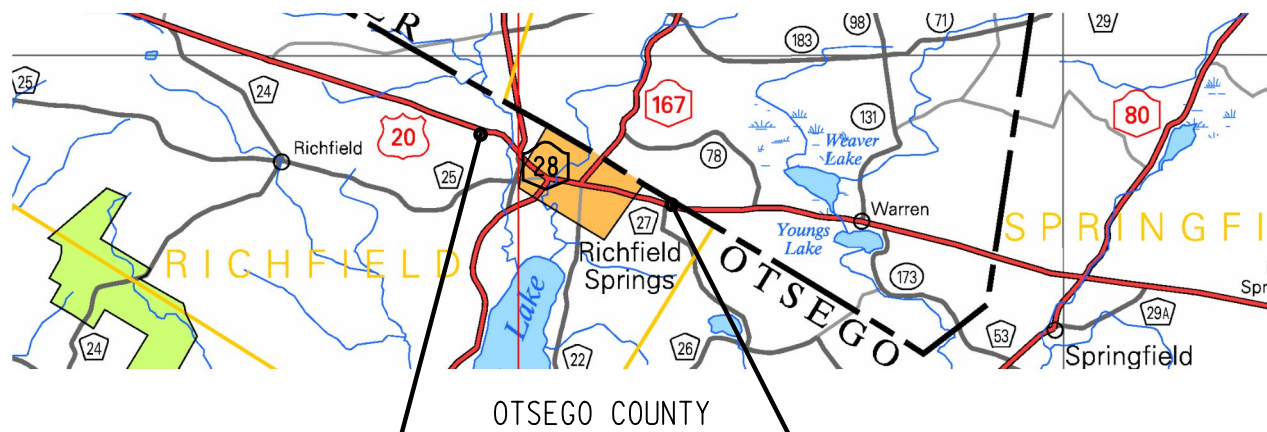
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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



FILE NAME = 280573_cph_mops.dgn
DATE/TIME = 13-JAN-2017 14:07
USER = jkupris

PROJECT MANAGER
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DESIGN M. JONES
JOB MANAGER K. REILLY
DESIGN SUPERVISOR J. TIBBITTS

ITS SITE LOCATION MAPS



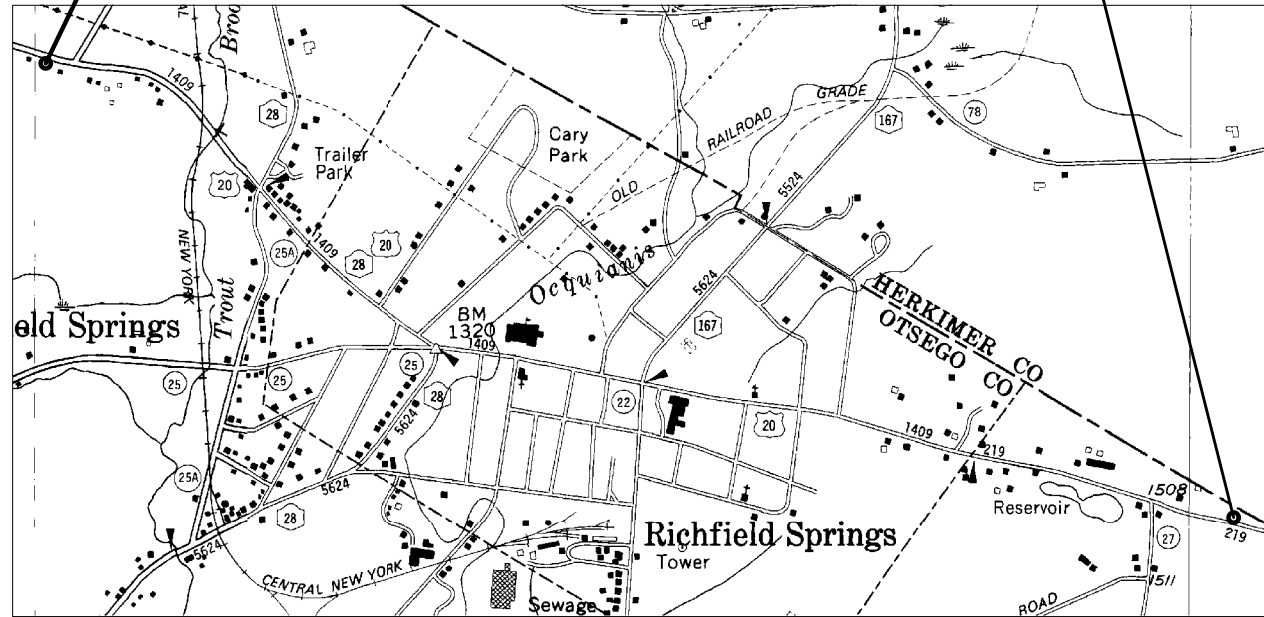
SITE 6A
VMS
RTE 20 EB AT
RM 20 9415 1059

SITE 6B
VMS
RTE 20 WB AT
RM 20 9415 1084

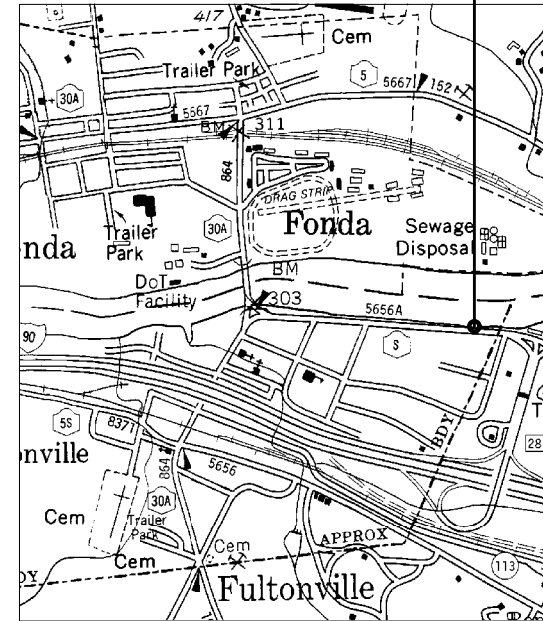
VMS
RTE 920P WB
340 FT EAST OF
RM 3862 2501 1004

CCTV
IN GRASS ISLAND
RTE 30 NB BRIDGE
RTE 67 SB HWY
SHULER ST SB ONE WAY

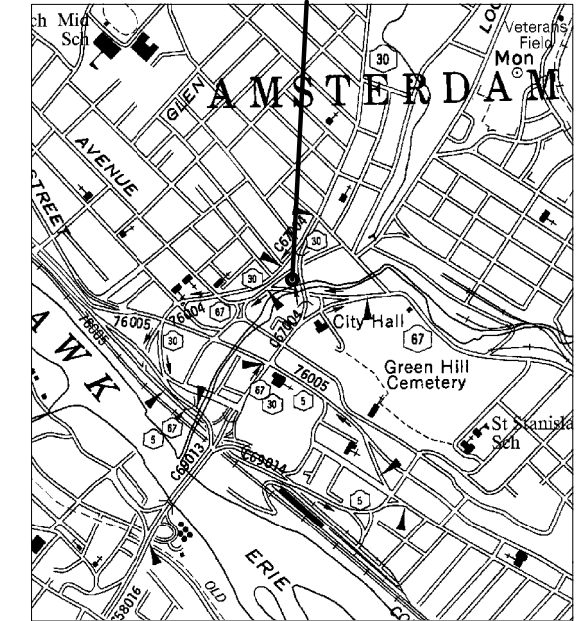
SITE 6 RICHFIELD NY (IN REGION 9)



SITE 5 FULTONVILLE NY



SITE 7 AMSTERDAM NY



SCOPE OF WORK: NEW VMS INSTALLATION
SITE 6A TRAFFIC VOLUMES
DHV: 255
AADT: 2826
% TRUCKS: 17%

SCOPE OF WORK: NEW VMS INSTALLATION
SITE 6B TRAFFIC VOLUMES
DHV: 225
AADT: 2465
% TRUCKS: 11%

SCOPE OF WORK: NEW VMS INSTALLATION
SITE 5 TRAFFIC VOLUME
DHV: 710
AADT: 7887
% TRUCKS: 18%

SCOPE OF WORK: CCTV POLE AND CAMERAS INSTALLATION
SITE 7 TRAFFIC VOLUMES
DHV: 1365
AADT: 15129
% TRUCKS: 13%

AFFIX SEAL:
ON: _____
ALTERED BY:
ON: _____



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409, S.H. 5194, S.H. 5656A, S.H. C67004
	RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20
	COUNTY: VARIOUS REGION: 02

PIN 2805.73	BRIDGES	CULVERTS
UTILITY QUALITY LEVEL B		

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
LOCATION MAPS	DRAWING NO. MAP-2
ITS SITES	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.



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 DESIGN SUPERVISOR
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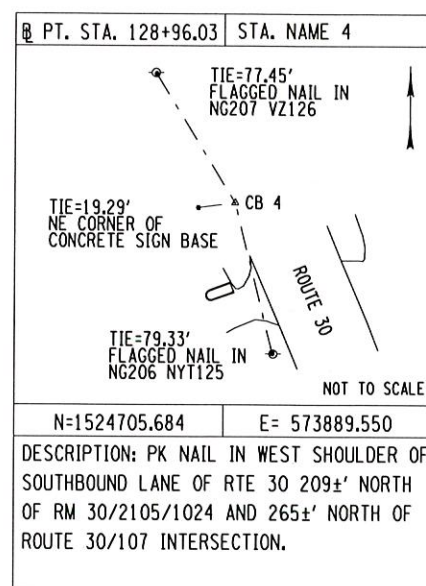
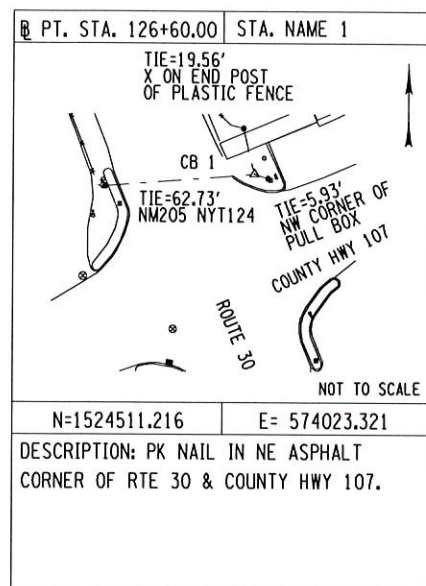
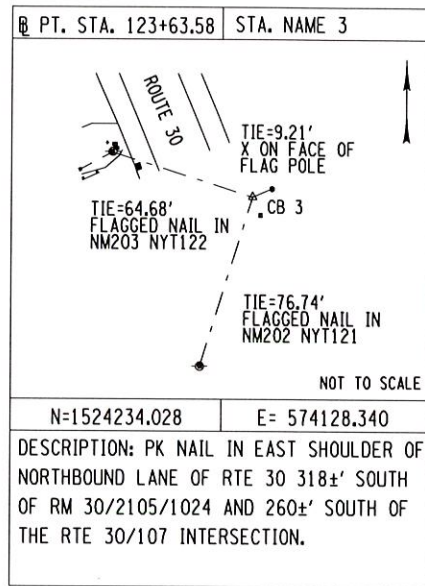


TABLE OF BENCHMARKS

NAME	DESCRIPTION	STATION (APPROX.)	OFFSET (FT)	ELEVATION (FT)
1	SPIKE IN UTILITY POLE NM 204 NYT 123 SW CORNER OF RTE 30 & RTE 107 INTERSECTION	125+76	58 LEFT	874.05
2	TOP OF CONCRETE MONUMENT 12' WEST OF UTILITY POLE NG 181 ON CR 107	126+78	134 LEFT	877.36
3	SPIKE SET IN BACK SIDE OF UTILITY POLE NG 206 NYT 125 WEST SIDE OF RTE 30	128+22	28 LEFT	871.61

SURVEY DATUM

HORIZONTAL	VERTICAL	
DATUM: NAD 83 (2011)	DATUM: NAVD88	THE COMBINED SCALE FACTOR IS A FUNCTION OF CONVERTING GEODETIC CONTROL DATA TO PLANIMETRIC DISTANCES AT SEA LEVEL.
NYSPCS ZONE: 3101 EAST	UNITS: FT	THE COMBINED SCALE FACTOR FOR THIS SITE: 1.000000000
UNITS: FT		A SURVEY CONTROL REPORT IS AVAILABLE FOR THE CONTRACTOR'S USE AT THE REGIONAL D.O.T. OFFICE, UNDER FILE NUMBER - C 1203.06 OR FROM PROJECTWISE, REGION 2, P.I.N. 2805.73, SURVEY FOLDER

R.O.W. MARKERS

NOTES: 1. DISCLAIMER THAT THE TABLE OF MONUMENTS IS FOR ESTIMATION PURPOSES ONLY. ALL MONUMENTS SHALL BE PLACED IN ACCORDANCE WITH RIGHT-OF-WAY APPROPRIATION MAPS.
 2. WHEN WORK IS COMPLETED UNDER THIS SECTION, THE CONTRACTOR SHALL PROVIDE A SIGNED COPY OF THIS SHEET TO THE EIC AT THE COMPLETION OF THE PROJECT.

STATION	OFFSET	ITEM 625.03	ITEM 625.04	ITEM 625.05
125+75±	RIGHT			1
125+95±	RIGHT			1
126+80±	LEFT			1
126+79±	LEFT			1
126+93±	LEFT			1

TABLE OF RIGHT OF WAY ACQUISITIONS
 S.H. NO. 249 OLD PLANK ROAD

MAP NO.	PARCEL NO.	TRN NO.	REPUTED OWNER(S)	TYPE OF TAKE	DWG NO.	REMARKS
185	203	1	DONALD B. KAUPELIS, JR.	P.E.		
186	204	2	VERNON C. O'BRIEN, JR. RONALD E. GRAS	P.E.		
187	205	4	DI MARK DEVELOPMENT PERTH, LLC	P.E.		


PROPERTY MONUMENTATION

MONUMENTATION FOUND (OR REPLACED) PRIOR TO AND/OR DURING CONSTRUCTION

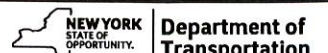
STATION	OFFSET	FOUND SIZE/TYPE	IF REPLACED- DATE REPLACED WITH SIZE & TYPE
125+36.84	4.45' LEFT	CONCRETE MONUMENT	
126+10.83	37.04' RIGHT	CONCRETE MONUMENT	
126+77.76	133.86' LEFT	CONCRETE MONUMENT	
128+30.14	32.25' LEFT	IRON ROD	

I am a Professional Land Surveyor or Exempt Professional Engineer who is licensed and registered to practice in New York State. I have performed or directed all the work under N.Y.S.D.O.T. Item 625 as directed by the Contractor, which are specifically required in the Specifications and in accordance with the Department's "Surveying Standards and Procedures Manual."

 Surveyor's Signature / Registration Number / Date

AFFIX SEAL: ON: 

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ROUTE 30 OLD PLANK ROAD, S.H. 249 TOWN OF PERTH COUNTY: FULTON	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
					RIGHT OF WAY & SURVEY SITE 1 - PERTH	DRAWING NO. ROW-1 SHEET NO. 7
<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>						

PROJECT MANAGER
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 DESIGN
 JOB MANAGER
 DESIGN SUPERVISOR

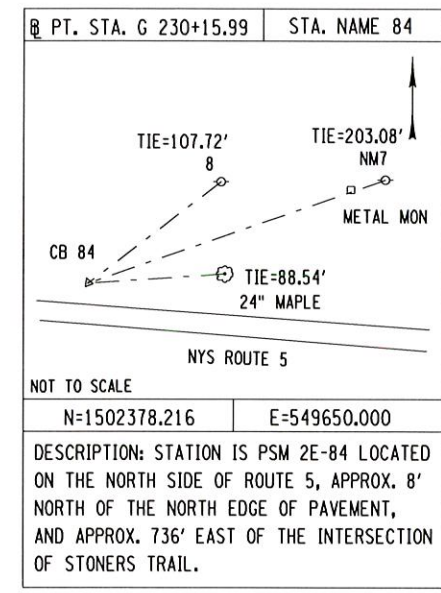
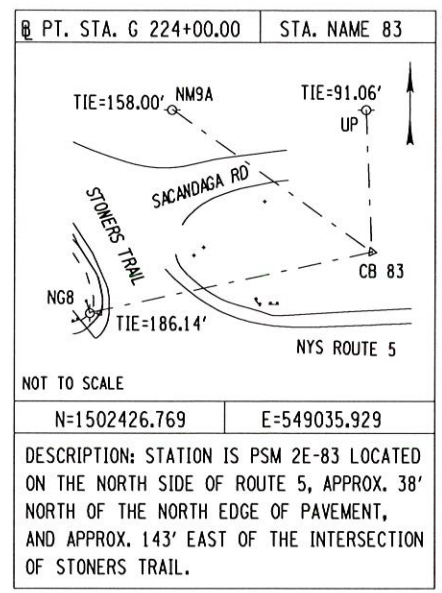


TABLE OF BENCHMARKS

NAME	DESCRIPTION	STATION (APPROX.)	OFFSET (FT)	ELEVATION (FT)
PSM 2E-83	PERMANENT SURVEY MARKER 2E-83 (CB 83)	@ G 224+00.00	0	443.94'
PSM 2E-84	PERMANENT SURVEY MARKER 2E-84 (CB 84)	@ G 230+15.99	0	425.06'

SURVEY DATUM		
HORIZONTAL	VERTICAL	
DATUM: NAD 83 (2011)	DATUM: NAVD88	THE COMBINED SCALE FACTOR IS A FUNCTION OF CONVERTING GEODETIC CONTROL DATA TO PLANIMETRIC DISTANCES AT SEA LEVEL.
NYSPCS ZONE: 3101 EAST	UNITS: FT	THE COMBINED SCALE FACTOR FOR THIS SITE: 1.000000000
UNITS: FT		A SURVEY CONTROL REPORT IS AVAILABLE FOR THE CONTRACTOR'S USE AT THE REGIONAL D.O.T. OFFICE, UNDER FILE NUMBER - C 1203.06 OR FROM PROJECTWISE, REGION 2, P.I.N. 2805.73, SURVEY FOLDER

PROPERTY MONUMENTATION			
MONUMENTATION FOUND (OR REPLACED) PRIOR TO AND/OR DURING CONSTRUCTION			
@ STATION	OFFSET	FOUND SIZE/TYPE	IF REPLACED- DATE REPLACED WITH SIZE & TYPE
@ G 219+91.36 F.T.P.B.	49.82' RIGHT	4 IN. GRANITE MONUMENT	
@ G 221+47.01 F.T.P.B.	15.63' RIGHT	GRANITE MONUMENT	
@ G 221+15.71 F.T.P.B.	241.24' RIGHT	METAL MONUMENT	
@ G 222+46.59 F.T.P.B.	251.47' RIGHT	4 IN. GRANITE MONUMENT	
@ G 223+44.40 F.T.P.B.	258.19' RIGHT	GRANITE MONUMENT	
@ G 225+04.99	223.67' RIGHT	GRANITE MONUMENT	
@ G 225+89.78	153.23' RIGHT	GRANITE MONUMENT	

AFFIX SEAL: ON:	ALTERED BY: ON:
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AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ROUTE 5 FONDA-TRIBES HILL, S.H. 303 TOWN OF MOHAWK COUNTY: MONTGOMERY	PIN 2805.73 REGION: 02	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED RIGHT OF WAY & SURVEY SITE 3 - TRIBES HILL	CONTRACT NUMBER D263402 DRAWING NO. ROW-2 SHEET NO. 8
<p style="font-size: small;">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>						Department of Transportation

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 DESIGN SUPERVISOR

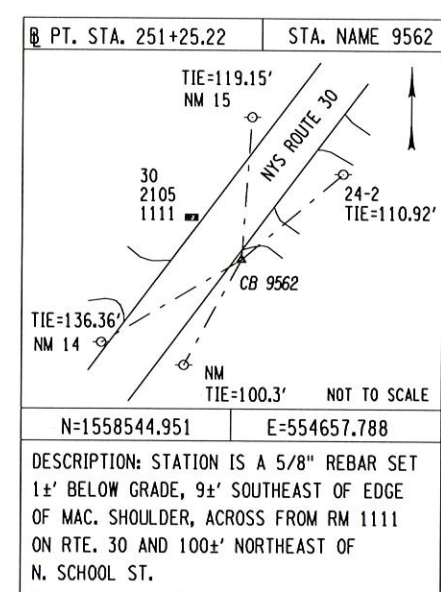
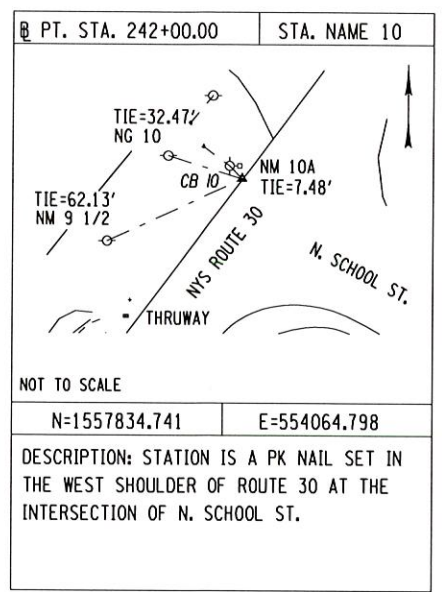



TABLE OF BENCHMARKS

NAME	DESCRIPTION	STATION (APPROX.)	OFFSET (FT)	ELEVATION (FT)
TBM 42	CHISELED 'X' T/CAP BOLT OF HYDRANT	238+83 FTPB	75 RIGHT	910.72'
TBM 43	T/BOLT @ POINT OF ARROW OF HYDRANT	241+69 FTPB	134 RIGHT	909.00'

SURVEY DATUM		
HORIZONTAL	VERTICAL	
DATUM: NAD 83 (2011)	DATUM: NAVD88	THE COMBINED SCALE FACTOR IS A FUNCTION OF CONVERTING GEODETIC CONTROL DATA TO PLANIMETRIC DISTANCES AT SEA LEVEL.
NYSPCS ZONE: 3101 EAST	UNITS: FT	THE COMBINED SCALE FACTOR FOR THIS SITE: 1.000000000
UNITS: FT		A SURVEY CONTROL REPORT IS AVAILABLE FOR THE CONTRACTOR'S USE AT THE REGIONAL D.O.T. OFFICE, UNDER FILE NUMBER - C 1203.06 & C 1202.06 OR FROM PROJECTWISE, REGION 2, P.I.N. 2805.73, SURVEY FOLDER

PROPERTY MONUMENTATION			
MONUMENTATION FOUND (OR REPLACED) PRIOR TO AND/OR DURING CONSTRUCTION			
@ STATION	OFFSET	FOUND SIZE/TYPE	IF REPLACED-DATE REPLACED WITH SIZE & TYPE
239+97.34 F.T.P.B.	82.15' RIGHT	IRON ROD	
240+92.07 F.T.P.B.	36.85' LEFT	R.O.W. MONUMENT	
245+73.25 F.T.P.B.	62.21' RIGHT	R.O.W. MONUMENT	

AFFIX SEAL: ON: 

ALTERED BY: ON:

1/5/17

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ROUTE 30 MAYFIELD VILLAGE, S.H. 5194 VILLAGE OF MAYFIELD COUNTY: FULTON	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
					RIGHT OF WAY & SURVEY SITE 4 - MAYFIELD	DRAWING NO. ROW-3 SHEET NO. 9
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.						NEW YORK STATE OF OPPORTUNITY Department of Transportation

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 DATE/TIME = mlanghere
 USER = mlanghere

PROJECT MANAGER

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JOB MANAGER

DESIGN SUPERVISOR

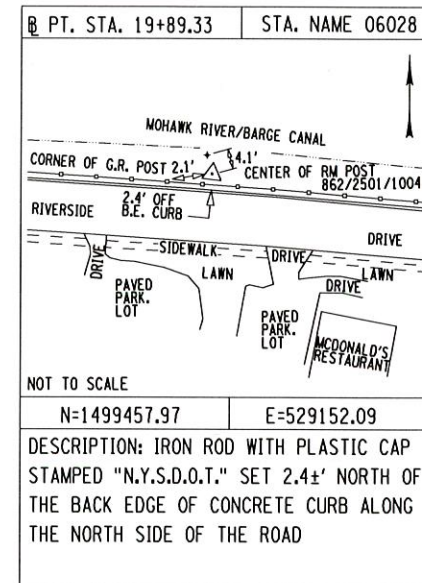
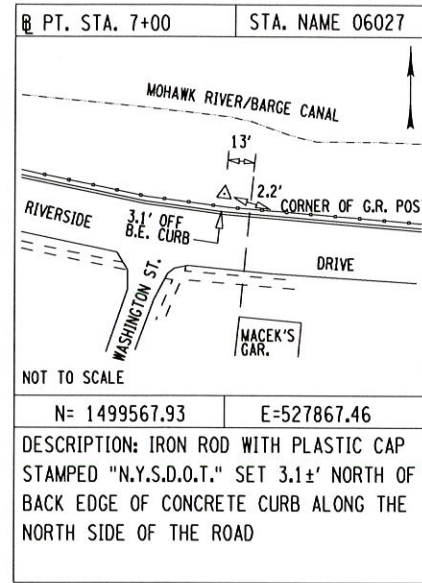


TABLE OF BENCHMARKS

NAME	DESCRIPTION	STATION (APPROX.)	OFFSET (FT)	ELEVATION (FT)
V 302 RESET 1983	DISK ON THE WESTERLY SIDE OF THE RTE 30A BRIDGE OVER THE BARGE CANAL (THIRD ORDER)	0+58 F.T.P.B.	114 LEFT	305.18
1	CH. "X" ON BRIDGE RAIL PLATE ON THE EASTERLY SIDE OF THE RTE 30A BRIDGE OVER THE BARGE CANAL	0+03	106 LEFT	304.29

SURVEY DATUM		
HORIZONTAL	VERTICAL	
DATUM: NAD 83 (CORS)	DATUM: NAVD88	THE COMBINED SCALE FACTOR IS A FUNCTION OF CONVERTING GEODETIC CONTROL DATA TO PLANIMETRIC DISTANCES AT SEA LEVEL.
NYSPCS ZONE: 3101 EAST	UNITS: FT	THE COMBINED SCALE FACTOR FOR THIS SITE: 1.00000000
UNITS: FT		A SURVEY CONTROL REPORT IS AVAILABLE FOR THE CONTRACTOR'S USE AT THE REGIONAL D.O.T. OFFICE, UNDER FILE NUMBER - D 5202.000 OR FROM PROJECTWISE, REGION 2, P.I.N. 2805.73, SURVEY FOLDER

PROPERTY MONUMENTATION			
MONUMENTATION FOUND (OR REPLACED) PRIOR TO AND/OR DURING CONSTRUCTION			
STATION	OFFSET	FOUND SIZE/TYPE	IF REPLACED- DATE REPLACED WITH SIZE & TYPE
22+56.93 B.T.P.A.	69.46' RIGHT	CONCRETE R.O.W. MONUMENT	

AFFIX SEAL: ON: _____ ALTERED BY: ON: _____



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ROUTE 920P	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	RIVERSIDE DRIVE - S.H. 5656A					
	VILLAGE OF FULTONVILLE					
	COUNTY: MONTGOMERY REGION: 02					
RIGHT OF WAY & SURVEY SITE 5 - FULTONVILLE VMS					DRAWING NO. ROW-4 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.



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JOB MANAGER

DESIGN SUPERVISOR

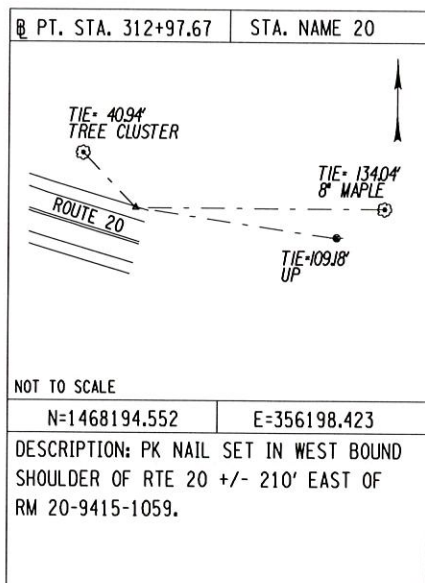
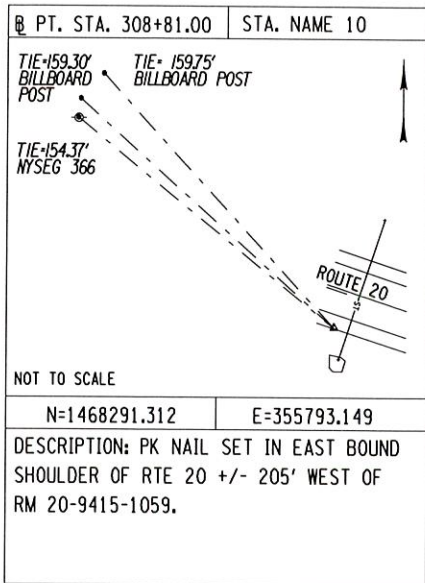


TABLE OF BENCHMARKS

NAME	DESCRIPTION	STATION (APPROX.)	OFFSET (FT)	ELEVATION (FT)
1	SPIKE SET IN NYSEG POLE 26 IN CLOSE PROXIMITY OF RM 20-9415-1059.	310+76	38 LEFT	1382.70

SURVEY DATUM		THE COMBINED SCALE FACTOR IS A FUNCTION OF CONVERTING GEODETIC CONTROL DATA TO PLANIMETRIC DISTANCES AT SEA LEVEL.
HORIZONTAL	VERTICAL	
DATUM: NAD 83 (2011)	DATUM: NAVD88	THE COMBINED SCALE FACTOR FOR THIS SITE: 1.000000000
NYSPCS ZONE: 3101 EAST	UNITS: FT	
UNITS: FT		A SURVEY CONTROL REPORT IS AVAILABLE FOR THE CONTRACTOR'S USE AT THE REGIONAL D.O.T. OFFICE, UNDER FILE NUMBER - C 1203.06 OR FROM PROJECTWISE, REGION 2, P.I.N. 2805.73, SURVEY FOLDER

PROPERTY MONUMENTATION MONUMENTATION FOUND (OR REPLACED) PRIOR TO AND/OR DURING CONSTRUCTION			
STATION	OFFSET	FOUND SIZE/TYPE	IF REPLACED- DATE REPLACED WITH SIZE & TYPE

AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	U.S. ROUTE 20 S.H. 1409 TOWN OF RICHFIELD COUNTY: OTSEGO	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
					RIGHT OF WAY & SURVEY SITE 6A - RICHFIELD EASTBOUND VMS	DRAWING NO. ROW-5 SHEET NO. 11

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



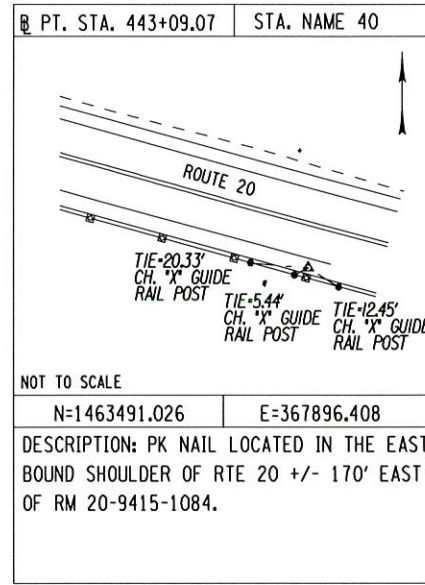
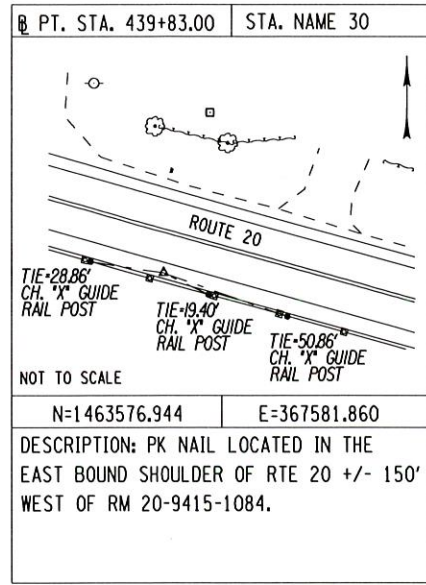


TABLE OF BENCHMARKS

NAME	DESCRIPTION	STATION (APPROX.)	OFFSET (FT)	ELEVATION (FT)
1	IN TOP OF CONCRETE ROW MONUMENT ACROSS FROM CB 30	439+84	64 LEFT	1527.80

SURVEY DATUM		THE COMBINED SCALE FACTOR IS A FUNCTION OF CONVERTING GEODETIC CONTROL DATA TO PLANIMETRIC DISTANCES AT SEA LEVEL.
HORIZONTAL	VERTICAL	
DATUM: NAD 83 (2011)	DATUM: NAVD88	THE COMBINED SCALE FACTOR FOR THIS SITE: 1.000000000
NYSPCS ZONE: 3101 EAST	UNITS: FT	
UNITS: FT		A SURVEY CONTROL REPORT IS AVAILABLE FOR THE CONTRACTOR'S USE AT THE REGIONAL D.O.T. OFFICE, UNDER FILE NUMBER - C 1203.06 OR FROM PROJECTWISE, REGION 2, P.I.N. 2805.73, SURVEY FOLDER

PROPERTY MONUMENTATION
 MONUMENTATION FOUND (OR REPLACED) PRIOR TO AND/OR DURING CONSTRUCTION

STATION	OFFSET	FOUND SIZE/TYPE	IF REPLACED- DATE REPLACED WITH SIZE & TYPE
439+84.20	64.37' LEFT	CONCRETE R.O.W. MONUMENT	

AFFIX SEAL: ON: ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	U.S. ROUTE 20	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	S.H. 219					RIGHT OF WAY & SURVEY SITE 6B - RICHFIELD WESTBOUND VMS
	TOWN OF RICHFIELD					
	COUNTY: OTSEGO	REGION: 09				

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

FILE NAME = 280573_cph_mst_01.dgn
 DATE/TIME = 13-JAN-2017 14:07
 USER = jkupris

JOB MANAGER K. REILLY
 DESIGN SUPERVISOR J. TIBBITTS
 DESIGN M. JONES
 CHECK
 DRAFTING
 CHECK
 PROJECT MANAGER


SITE 1-PERTH				
SIGN RELOCATIONS				
LOCATION	DIRECTION	DESCRIPTION	ITEM 645.81-TYPE A SIGN POSTS	ITEM 647.31-RELOCATE SIGN PANEL ASSEMBLY <30 sf
CO. RD. 107	EB	RTE 30 NORTH/SOUTH ASSEMBLY	2 EA	1 EA
CO. RD. 107	WB	RTE 30 SOUTH/NORTH ASSEMBLY	2 EA	1 EA
TOTAL			4 EA	2 EA

SITE 3-TRIBES HILL			
SIGN INSTALLATIONS			
LOCATION	DIRECTION	DESCRIPTION	ITEM 680.8204-OVERHEAD SIGN ASSEMBLY
NY RTE 5	EB	LEFT TURN ONLY	1 EA
NY RTE 5	EB	LEFT TURN ONLY	1 EA
TOTAL			2 EA

SITE 4-MAYFIELD									
SIGN INSTALLATIONS, RELOCATIONS & REMOVALS									
LOCATION	DIRECTION	DESCRIPTION	ITEM 645.5102-GROUND-MOUNTED SIGN PANEL <30 sf WITH Z-BARS	ITEM 645.81-TYPE A SIGN POSTS	ITEM 646.23-INSTALL LARGE DELINEATOR	ITEM 646.31-STEEL POST, 1.1 lb/ft	ITEM 647.31-RELOCATE SIGN PANEL ASSEMBLY <30 sf	ITEM 647.41-REMOVE & STORE SIGN PANEL ASSEMBLY <30 sf	ITEM 647.61-REMOVE AND DISPOSE SIGNS, SUPPORTS & FOUNDATIONS <30 sf
NY RTE 30	NB/SB	N School St (BACK TO BACK)	8.2 sf	2 EA					
NY RTE 30	NB	NO PARKING ANY TIME		1 EA					
NY RTE 30	NB	NO PARKING ANY TIME		1 EA					
NY RTE 30	SB	NO PARKING ANY TIME		1 EA					
NY RTE 30	SB	THRUWAY ASSEMBLY		1 EA			1 EA		
NY RTE 30	NB	DELINEATOR			1 EA	1 EA			1 EA
N School St	WB	STOP AHEAD						1 EA	
N School St	WB	STOP						1 EA	
TOTAL			8.2 sf	6 EA	1 EA	1 EA	1 EA	2 EA	1 EA

DRILL HOLES				
LOCATION	DRILL HOLE NO.	STATION	OFFSET (FT)	NOTES
SITE 1-PERTH	FH-X-1	126+93	43 RT	PETROLEUM CONTAMINATION ENCOUNTERED AT A DEPTH OF APPROXIMATELY 5'
	FH-X-2	126+73	0	
	FH-X-3	126+01	5 RT	
	FH-X-4	125+98	86 LT	
SITE 2-FULTONVILLE	FH-X-5	30+00	90 RT	
	FH-X-6			
	FH-X-7			
SITE 3-TRIBES HILL	FH-X-8	222+03	64 RT	
	FH-X-9	223+36	3 RT	
	FH-X-10	223+20	175 RT	
	FH-X-11	224+69	138 RT	
SITE 4-MAYFIELD	FH-X-12	241+96	19 LT	
	FH-X-13			
	FH-X-14	241+47	14 LT	
SITE 5-FULTONVILLE	FH-X-15			
SITE 6A-RICHFIELD	FH-X-16			
SITE 6B-RICHFIELD	FH-X-17	440+67	44 LT	
SITE 7-AMSTERDAM	FH-X-18			

CONTAMINATED SOIL QUANTITIES				
PETROLEUM CONTAMINATED SITES	EXCAVATED MATERIAL QUANTITY & ITEM NO.	ITEM 205.03 FIELD ORGANIC VAPOR MONIT. OF CONTAMINATED SOIL (HOURS)	ITEM 205.050201 DISPOSAL OF CONTAMINATED NON-HAZARDOUS WASTE SOIL (TONS)	NOTES
SITE 1 PERTH SIGNAL	12.70 CY	14 HOURS	17.80 TONS	ASSUMED FOR ALL 4 SIGNAL FOUNDATIONS & 6 PED. POLE FOUNDATIONS
TOTAL	12.70 CY	14 HOURS	17.80 TONS	

AFFIX SEAL ON: 

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409,	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	S.H. 5194, S.H. 5656A, S.H. C67004					
	RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20					
COUNTY: VARIOUS	REGION: 02	UTILITY QUALITY LEVEL B			MISCELLANEOUS TABLES	DRAWING NO. MST-1 SHEET NO. 13
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						



FILE NAME = 280573_cph_mst_02.dgn
 DATE/TIME = 13-JAN-2017 14:07
 USER = jkupris

DESIGN SUPERVISOR J. TIBBITTS
 JOB MANAGER K. REILLY
 DESIGN M. JONES
 CHECK
 DRAFTING
 CHECK
 PROJECT MANAGER

TABLE OF PAVEMENT MARKINGS						
SITE	LOCATION	MARKING STYLE	CLEANING PAVEMENT ITEMS		PAVEMENT MARKING ITEMS	
			ITEM 635.0103 (LF)	ITEM 635.0303 (EA)	ITEM 685.11010004 (LF)	ITEM 685.14 (EA)
1	ROUTE 30 NORTH	REGION 2 LADDER STYLE CROSSWALK	452		452	
	ROUTE 30 SOUTH		472		472	
	ROUTE 107 EAST		500		500	
	ROUTE 107 WEST		414		414	
	ROUTE 30 NORTH	24" STOPBAR	78		78	
	ROUTE 30 SOUTH		72		72	
	ROUTE 107 EAST		84		84	
	ROUTE 107 WEST		78		78	
3	ROUTE 5 WEST	R2 LADDER CROSSWALK	1504		1504	
	STONER TRAIL NORTH	24" STOPBAR	162		162	
	STONER TRAIL SOUTH		150		150	
	ROUTE 5 EAST		252		252	
	ROUTE 5 WEST	LEFT TURN ARROWS		2		2
	ROUTE 5 EAST			2		2
4	STEWARTS	TYPE-S CROSSWALK	180		180	
	NORTH SCHOOL STREET	R2 LADDER CROSSWALK	556		556	
	ROUTE 30 SOUTH		476		476	
	NORTH SCHOOL STREET	24" STOPBAR	138		138	
	ROUTE 30 NORTH		78		78	
	ROUTE 30 SOUTH		72		72	

TABLE OF GUIDE RAILING											
SITE	SIDE	POST SPACING	LENGTH	FACTOR	ITEM 606.10 (LF)	ITEM 606.120102 (EA)	ITEM 606.120201 (EA)	ITEM 606.5348 (LF)	ITEM 606.63 (LF)	ITEM 646.23 (EA)	ITEM 646.32 (EA)
SITE #5 ALONG NORTHERN CURB LINE	ALONG NORTH CURB LINE	3'-0"	36'	1.30				36	47		
SITE #6A ALONG SOUTHERN EDGE OF SHOULDER	ALONG SOUTH EDGE OF SHOULDER	6'-0"		1.00	48	1	1			2	2
SITE #6B ALONG NORTHERN EDGE OF SHOULDER	ALONG NORTH EDGE OF SHOULDER	6'-0"	102'	1.00	102	1	1			2	2
TOTAL					150	2	2	36	47	4	4

NOTE: STATION TO STATION DISTANCE MAY NOT EQUAL TRUE DISTANCE DUE TO RADIUS.

AFFIX SEAL: ON:	ALTERED BY: ON:
	


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409, S.H. 5194, S.H. 5656A, S.H. C67004	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED MISCELLANEOUS TABLES	CONTRACT NUMBER D263402 DRAWING NO. MST-2 SHEET NO. 14
	RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20	UTILITY QUALITY LEVEL B				
	COUNTY: VARIOUS	REGION: 02				
<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>						
						

TABLE OF CURBING AND SIDEWALK

SITE	LOCATION	203.02 (CY)	203.03 (CY)	304.12 (CY)	555.01010004 (CY)	608.0101 (CY)	ITEM 608.21000003 (SY)	609.04 (LF)	609.0401 (LF)	SAWCUTTING ITEMS		610.1601 (SY)	610.1602 (SY)
										520.60900002 (LF)	627.50140008 (LF)		
1	NE CORNER	4.20		1.90		1.30	2.50		27.00	17.00	27.00		
	NW CORNER	5.20		2.50		1.70	3.90		34.00	22.00	10.00		
	SE CORNER	3.70		1.90		1.20	3.11			38.00	11.00		24.80
	SW CORNER	12.50	1.00	7.50	1.60	1.50	1.80		75.00		45.00		
3	NORTH	3.90		1.57		1.04	1.11			16.00	8.00	4.70	
	SOUTH	3.90		1.57		1.04	1.11			16.00	8.00	4.70	
4	NE CORNER	3.20		1.51		1.00	1.11			25.00	16.00		
	NW CORNER	29.00	12.20	26.00		7.20	2.90	146.00			145.00	123.00	
	SOUTH CORNER	13.00	6.00	14.00		8.20	2.22	20.00			150.00	86.30	

TABLE OF EROSION CONTROL DEVICES

SITE	LOCATION	209.13 (LF)	209.1105 (LF)
1		0	
3	NORTH WEST CORNER SIDEWALK	30	
	SOUTH WEST CORNER SIDEWALK	40	
4	NORTH END DITCH ALONG WEST EP ROUTE 30		20
	EAST END OF DITCH ALONG SOUTH EP SCHOOL		20
5	BETWEEN WORKSITE & NYS CANAL	220	
6A	BETWEEN WORKSITE & EXISTING DITCH	80	
6B		0	
7		0	

AFFIX SEAL:
ON:

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409,

S.H. 5194, S.H. 5656A, S.H. C67004

VARIOUS

RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20

COUNTY: REGION: 02

PIN 2805.73

UTILITY QUALITY LEVEL B

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

MISCELLANEOUS TABLES

CONTRACT NUMBER

D263402

DRAWING NO. MST-3

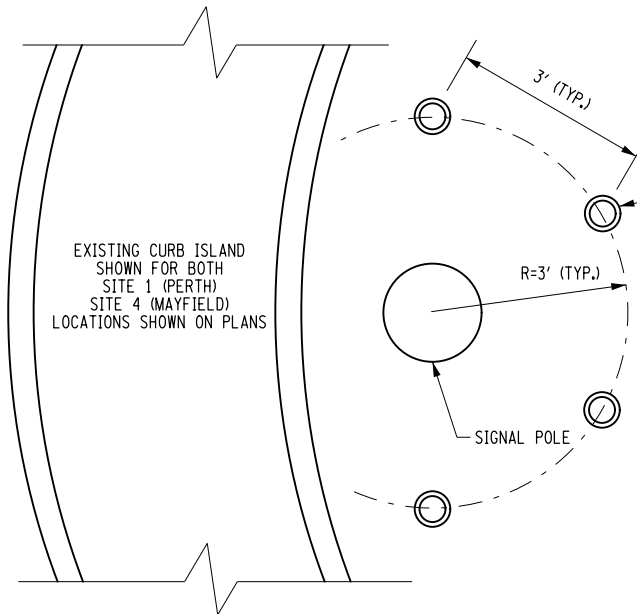
SHEET NO. 15

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.

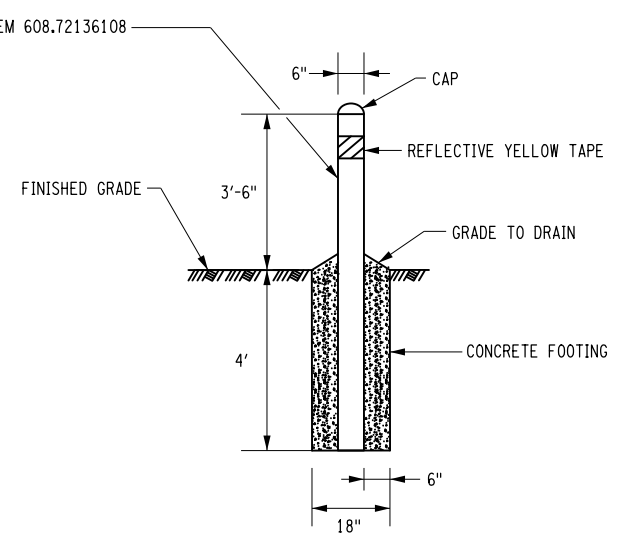


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 USER = jkupris

PROJECT MANAGER
 CHECK
 DRAFTING
 CHECK
 DESIGN M. JONES
 JOB MANAGER K. REILLY
 DESIGN SUPERVISOR J. TIBBITTS



BOLLARD LOCATION DIAGRAM
 FINAL LAYOUT OF BOLLARDS SHALL BE APPROVED BY E.I.C.
 (NOT TO SCALE)



BOLLARD DETAIL, FIXED (PAINTED)
 (NOT TO SCALE)

- NOTES:**
- 1.) BOLLARD SHALL BE FILLED WITH CLASS A CONCRETE
 - 2.) BOLLARDS SHALL BE PAINTED YELLOW, CONTRACTOR SHALL SUBMIT A PAINT SAMPLE TO BE APPROVED BY THE ENGINEER IN CHARGE.
 - 3.) REFLECTIVE TAPE SHALL BE ADDED AS SHOWN

ITEM 608.72136108
BOLLARDS

LOCATION	QTY (EA)
SITE 1-PERTH	4
SITE 4-MAYFIELD	4

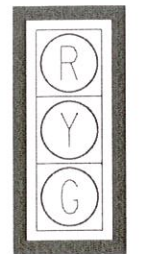
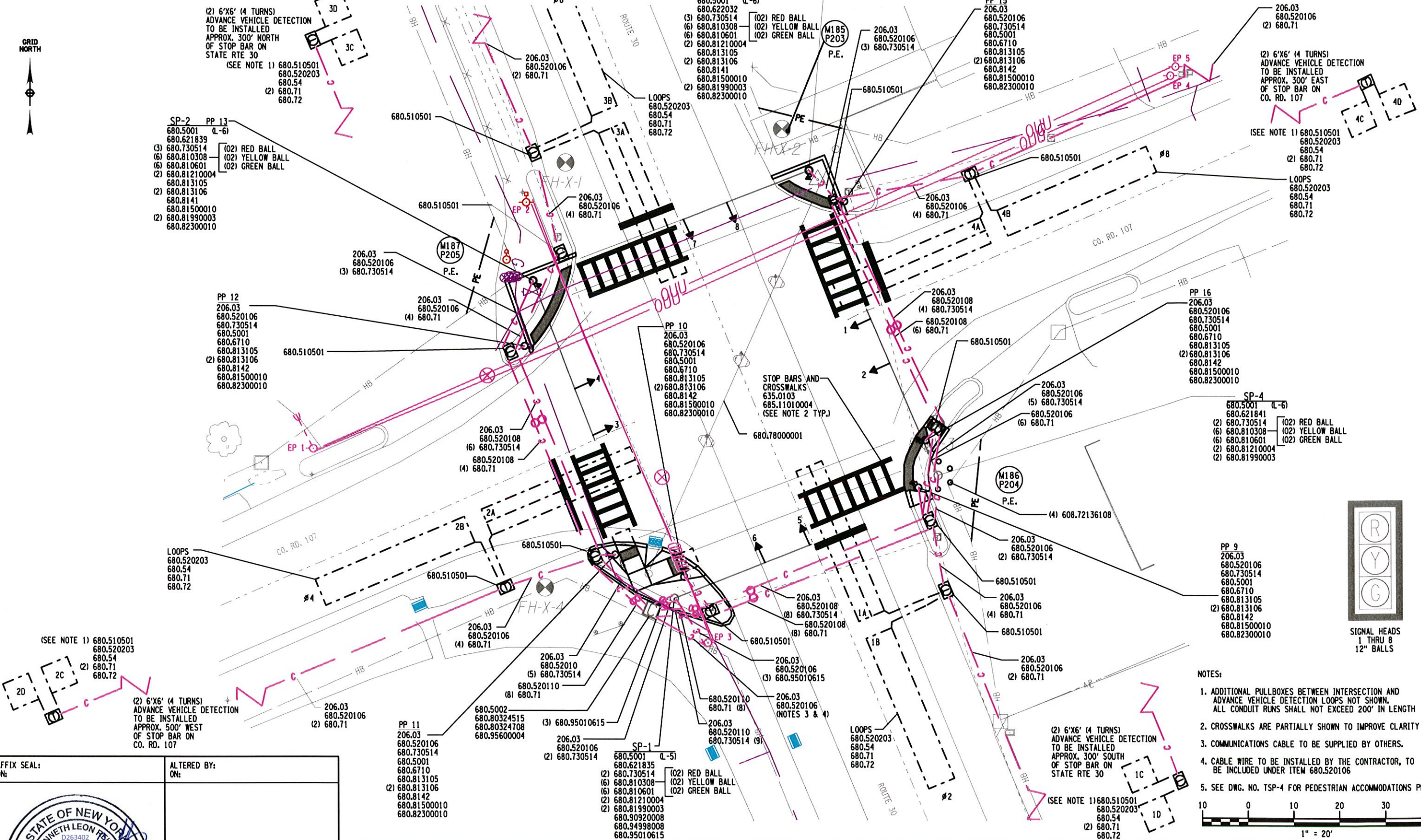
AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409, S.H. 5194, S.H. 5656A, S.H. C67004	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402	
	RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20	UTILITY QUALITY LEVEL B				MISCELLANEOUS DETAILS	DRAWING NO. MSD-1 SHEET NO. 16
	COUNTY: VARIOUS REGION: 02						

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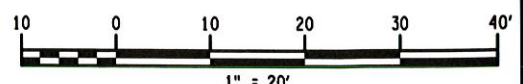


FULTON COUNTY - SIGNAL #3 - TOWN OF PERTH



SIGNAL HEADS 1 THRU 8 12" BALLS

- NOTES:
1. ADDITIONAL PULLBOXES BETWEEN INTERSECTION AND ADVANCE VEHICLE DETECTION LOOPS NOT SHOWN. ALL CONDUIT RUNS SHALL NOT EXCEED 200' IN LENGTH
 2. CROSSWALKS ARE PARTIALLY SHOWN TO IMPROVE CLARITY
 3. COMMUNICATIONS CABLE TO BE SUPPLIED BY OTHERS.
 4. CABLE WIRE TO BE INSTALLED BY THE CONTRACTOR, TO BE INCLUDED UNDER ITEM 680.520106
 5. SEE DWG. NO. TSP-4 FOR PEDESTRIAN ACCOMMODATIONS PLAN



AFFIX SEAL:
ON:

ALTERED BY:
ON:



2-1-2017

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

ROUTE 30
OLD PLANK ROAD, S.H. 249
TOWN OF PERTH
COUNTY: FULTON
REGION: 02

PIN 2805.73
RTE 30
UTILITY QUALITY LEVEL B

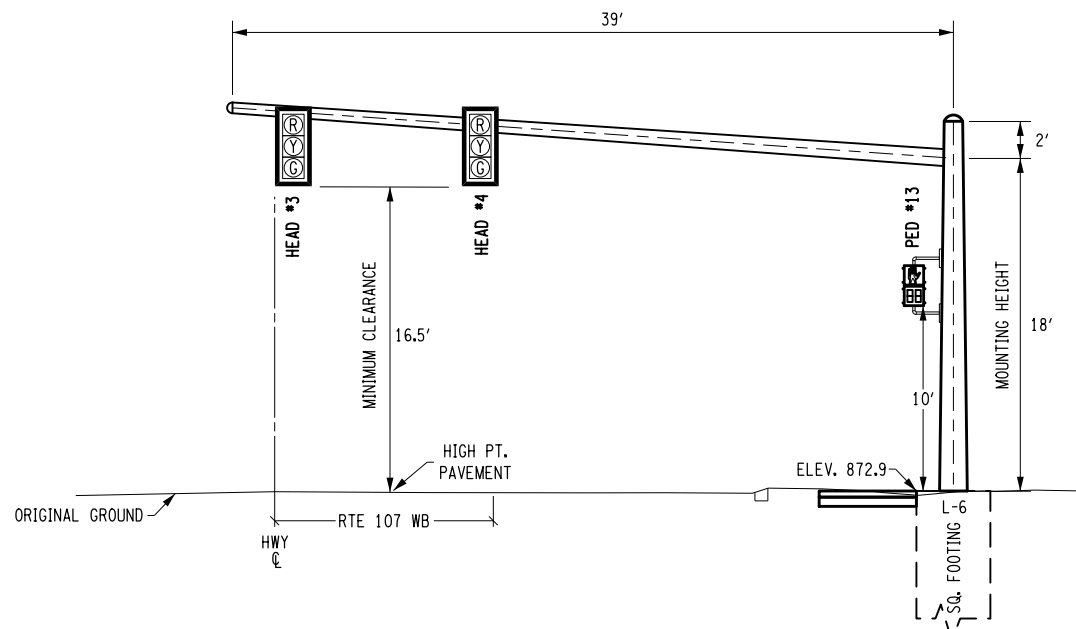
BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
TRAFFIC SIGNAL PLAN SITE 1- PERTH			DRAWING NO. TSP-1 SHEET NO. 17

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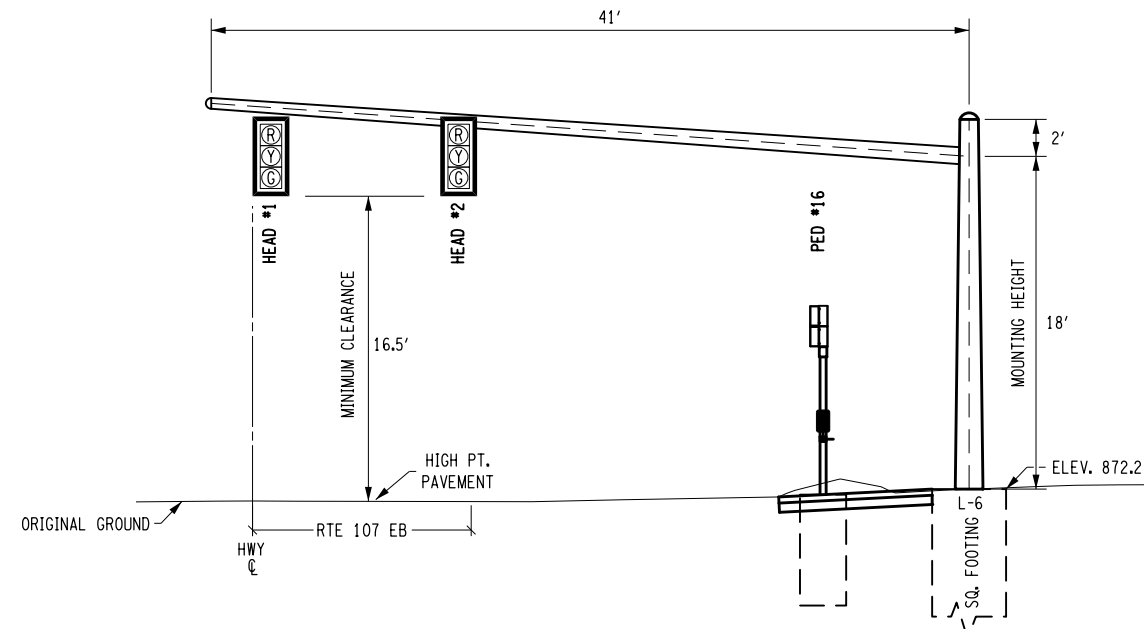
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USER = jlee1

PROJECT MANAGER
CHECK
DRAFTING
CHECK
DESIGN M. JONES
JOB MANAGER K. REILLY
DESIGN SUPERVISOR J. TIBBITTS



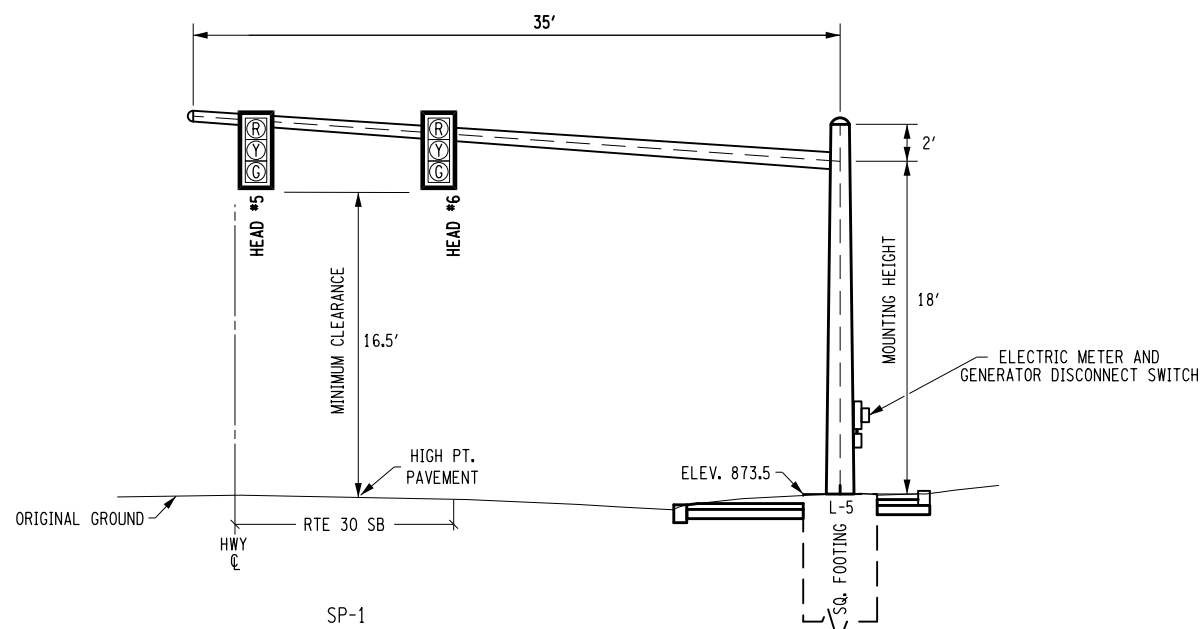
SP-2
ITEM 680.621839 - MAST ARM TRAFFIC SIGNAL POLE
18' MOUNTING HEIGHT, 39' ARM LENGTH
LOOKING WESTBOUND ON RTE 107

NORTHING = 1524489.31
EASTING = 573961.67



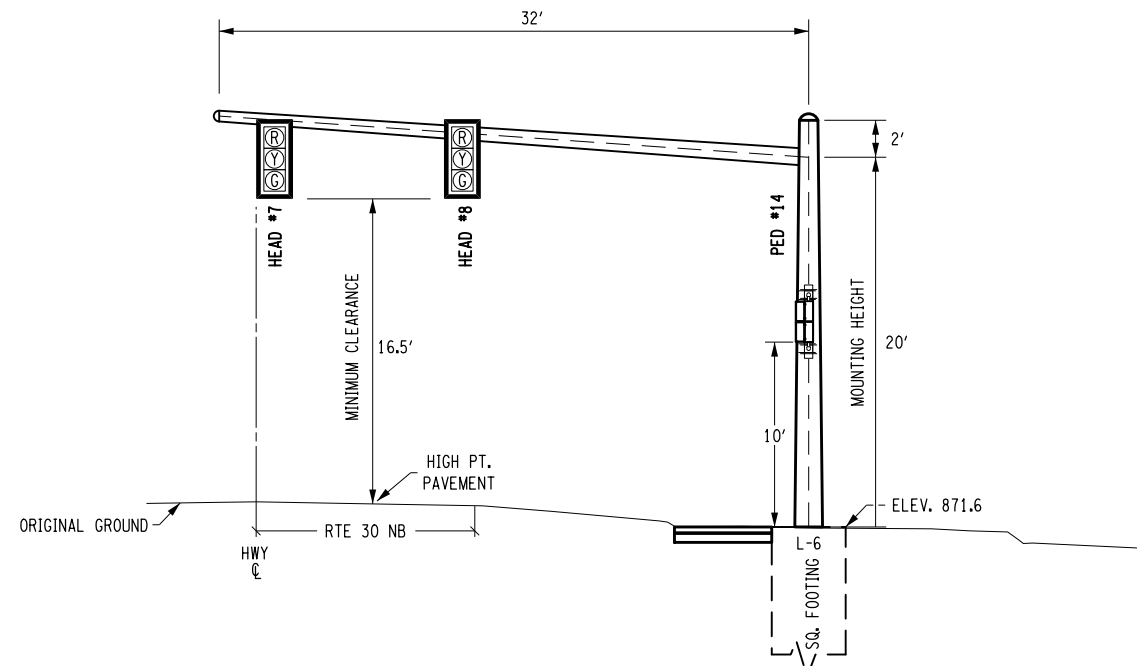
SP-4
ITEM 680.621841 - MAST ARM TRAFFIC SIGNAL POLE
18' MOUNTING HEIGHT, 41' ARM LENGTH
LOOKING EASTBOUND ON RTE 107

NORTHING = 1524513.25
EASTING = 574021.45



SP-1
ITEM 680.621835 - MAST ARM TRAFFIC SIGNAL POLE
18' MOUNTING HEIGHT, 35' ARM LENGTH
LOOKING SOUTHBOUND ON STATE ROUTE 30

NORTHING = 1524420.94
EASTING = 573992.20



SP-3
ITEM 680.622032 - MAST ARM TRAFFIC SIGNAL POLE
20' MOUNTING HEIGHT, 32' ARM LENGTH
LOOKING NORTHBOUND ON STATE ROUTE 30

NORTHING = 1524447.87
EASTING = 574049.43

- NOTES:**
1. PROFILES CUT ALONG SPAN
 2. SIDEWALK TYPE AND LOCATION SHOWN ON PLAN SHEET
 3. APPROXIMATE SIGNAL HEAD LOCATIONS SHOWN
PLACEMENT TO BE DETERMINED IN THE FIELD

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

ROUTE 30	PIN 2805.73
OLD PLANK ROAD, S.H. 249	RTE 30
TOWN OF PERTH	UTILITY QUALITY LEVEL B
COUNTY: FULTON	REGION: 02

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
TRAFFIC SIGNAL PLAN
SITE 1- PERTH
ELEVATION VIEWS

CONTRACT NUMBER
D263402
DRAWING NO. TSP-2
SHEET NO. 18

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AFFIX SEAL:
ON:

ALTERED BY:
ON:


FILE NAME = 280573_cph_A4_rst.dgn
 DATE/TIME = 13-JAN-2017 14:45
 USER = jtabbitts

PROJECT MANAGER: K. REILLY
 CHECK: J. TIBBITTS
 DRAFTING: M. JONES
 CHECK: M. JONES
 DESIGN MANAGER: K. REILLY
 DESIGN MANAGER: J. TIBBITTS

TABLE OF TRAFFIC SIGNAL QUANTITIES			
SITE 1-PERTH			
ITEM	ITEM DESCRIPTION	UNIT	QUANTITY
619.1613	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT C)	INTM	13.00
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	15.80
680.5002	CONCRETE BASE FOR CONTROLLER CABINET	EACH	1.00
680.510501	PULLBOX-RECTANGULAR, 26 X 18 INCH, REINFORCED CONCRETE	EACH	21.00
680.520106	CONDUIT, METAL STEEL, ZINC COATED, 2"	LF	1560.00
680.520108	CONDUIT, METAL STEEL, ZINC COATED, 3"	LF	310.00
680.520110	CONDUIT, METAL STEEL, ZINC COATED, 4"	LF	60.00
680.520203	TRAFFIC SIGNAL CONDUIT, FLEXIBLE LIQUID TIGHT STEEL, 1"	LF	130.00
680.54	INDUCTANCE LOOP INSTALLATION	LF	1170.00
680.621835	TRAFFIC SIGNAL POLE, MAST ARM, 18 FT MOUNTING HEIGHT, 35 FT ARM LENGTH	EACH	1.00
680.621839	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 39 FEET ARM LENGTH	EACH	1.00
680.621841	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 41 FEET ARM LENGTH	EACH	1.00
680.622032	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 32 FEET ARM LENGTH	EACH	1.00
680.6710	TRAFFIC SIGNAL POLE-POST TOP MOUNT 10 FEET MOUNTING HEIGHT	EACH	6.00
680.71	SHIELDED LEAD-IN CABLE	LF	4720.00
680.72	INDUCTANCE LOOP WIRE	LF	3740.00
680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG	LF	2100.00
680.78000001	MODIFY AND REMOVE TRAFFIC SIGNAL EQUIPMENT	LS	1.00
680.80324515	INSTALL MICROCOMPUTER CABINET	EACH	1.00
680.80324708	MICROCOMPUTER CABINET BASE (ALUMINUM)	EACH	1.00
680.810308	INSTALL BALL/ARROW LED TRAFFIC SIGNAL MODULE	EACH	24.00
680.810601	TRAFFIC SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EACH	24.00
680.81210004	TRAFFIC SIGNAL BRACKET ASSEMBLY - ONE WAY, MAST ARM MOUNT	EACH	8.00
680.813105	PEDESTRIAN SIGNAL MODULE - 12 INCH BI-MODAL, HAND/MAN SYMBOLS LED	EACH	8.00
680.813106	PEDESTRIAN SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EACH	16.00
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY	EACH	2.00
680.8142	PEDESTRIAN SIGNAL POST TOP MOUNT ASSEMBLY	EACH	6.00
680.81500010	PEDESTRIAN COUNT-DOWN TIMER MODULE	EACH	8.00
680.81990003	TRAFFIC SIGNAL BACKPLATES WITH YELLOW REFLECTIVE TAPE	EACH	8.00
680.82300010	ADA COMPLIANT PEDESTRIAN PUSHBUTTON WITH LATCHING LED INDICATION	EACH	8.00
680.90920008	ELECTRIC METER SOCKET, 200 AMP, SINGLE PHASE, 240/120 VOLT W/ BYPASS SWITCH FOR SIGNAL INSTALLATIONS	EACH	1.00
680.94998008	INSTALL ELECTRICAL DISCONNECT GENERATOR TRANSFER SWITCH - STATE SUPPLIED	EACH	1.00
680.95010615	SERVICE CABLE 1 CONDUCTOR, NO. 06 AWG	LF	261.00
680.95600004	ELECTRICAL METER PAN	EACH	1.00

TABLE OF INPUT WIRING						
RTE 30 - SITE 1 (PERTH)						
SIGNAL NO.	TERMINAL BOARD WIRING	FUNCTION	LOOP NUMBER	TYPE	SIZE	REMARKS
	1A, 1B	Ø 2	1A & 1B	2-4-2, 3T	SPLIT 6X35	NB ROUTE 30
	2A, 2B	-	1C	4 TURNS	6X6	POINT ROUTE 30 CLOSE
	3A, 3B	Ø 2	1D	4 TURNS	6X6	POINT ROUTE 30 FAR
	4A, 4B	Ø 4	2A & 2B	2-4-2, 3T	SPLIT 6X35	EB - CR 107
	5A, 5B	-	2C	4 TURNS	6X6	POINT EB CLOSE
	6A, 6B	Ø 4	2D	4 TURNS	6X6	POINT EB FAR
	7A, 7B	Ø 6	3A & 3B	2-4-2, 3T	SPLIT 6X35	SB ROUTE 30
	8A, 8B	-	3C	4 TURNS	6X6	POINT ROUTE 30 SB CLOSE
	9A, 9B	Ø 6	3D	4 TURNS	6X6	POINT ROUTE 30 SB FAR
	10A, 10B	Ø 8	4A & 4B	2-4-2, 3T	SPLIT 6X35	WB CR 107
	11A, 11B	-	4C	4 TURNS	6X6	POINT CR 107 CLOSE
	12A, 12B	Ø 8	4D	4 TURNS	6X6	POINT CR 107 FAR
	13A, 13B					
	14A, 14B					
	15A, 15B	Ø 2	NE CORNER	5C-9	BLACK-ORANGE	PED. HEAD 15
	16A, 16B	Ø 2	SE CORNER	5C-10	BLACK-ORANGE	PED. HEAD 16
	17A, 17B	Ø 4	SE CORNER	5C-11	BLACK-ORANGE	PED. HEAD 9
	18A, 18B	Ø 4	SW CORNER	5C-12	BLACK-ORANGE	PED. HEAD 10
	19A, 19B	Ø 6	SW CORNER	5C-13	BLACK-ORANGE	PED. HEAD 11
	20A, 20B	Ø 6	NW CORNER	5C-14	BLACK-ORANGE	PED. HEAD 12
	21A, 21B	Ø 8	NW CORNER	5C-15	BLACK-ORANGE	PED. HEAD 13
	22A, 22B	Ø 8	NE CORNER	5C-16	BLACK-ORANGE	PED. HEAD 14
	23A, 23B					
	24A, 24B					
	25A, 25B					
	26A, 26B					
	27A, 27B					
	28A, 28B					

TABLE OF SWITCH PACKS										FIELD REVISIONS	
RTE 30 - SITE 1 (PERTH)										WIRE COLOR CODE	
SIGNAL NO.	SWITCH PACK	FUNCTION	FACE NO.S	FLASH PLUG COLOR	INDICATIONS	DIRECTION	TERMINAL BOARD WIRING	WIRE COLOR CODE		WIRE COLOR CODE	
							TERMINAL	WIRE COLOR CODE		WIRE COLOR CODE	
	SP-1	Ø 2	7,8	Y	R Y G	ROUTE 30 NB	SP-1R	5C-1 R	5C-2 R		
							SP-1Y	0	0		
							SP-1G	(7) G	(8) G		
							GRND BUS	W	W		
	SP-2	Ø 4	1,2	R	R Y G	C.R. 107 EB	SP-2R	5C-3 R	5C-4 R		
							SP-2Y	0	0		
							SP-2G	(1) G	(2) G		
							GRND BUS	W	W		
	SP-3	Ø 6	5,6	Y	R Y G	ROUTE 30 SB	SP-3R	5C-5 R	5C-6 R		
							SP-3Y	0	0		
							SP-3G	(5) G	(6) G		
							GRND BUS	W	W		
	SP-4	Ø 8	3,4	R	R Y G	C.R. 107 WB	SP-4R	5C-7 R	5C-8 R		
							SP-4Y	0	0		
							SP-4G	(3) G	(4) G		
							GRND BUS	W	W		
	SP-5				R Y G		SP-5R				
							SP-5Y				
							SP-5G				
							GRND BUS				
	SP-6				R Y G		SP-6R				
							SP-6Y				
							SP-6G				
							GRND BUS				
	SP-7				R Y G		SP-7R				
							SP-7Y				
							SP-7G				
							GRND BUS				
	SP-8	PED. 1 Ø 2	15-16	W	R G	CROSSING N-S EAST SIDE	SP-8R	5C-9 R	5C-10 R		
								0	0		
							SP-8G	(15) G	(16) G		
							GRND BUS	W	W		
	SP-9	PED. 2 Ø 4	9-10	W	R DW G W	CROSSING E-W SOUTH SIDE	SP-9R	5C-11 R	5C-12 R		
								0	0		
							SP-9G	(9) G	(10) G		
							GRND BUS	W	W		
	SP-10	PED. 3 Ø 6	11-12	W	R DW G W	CROSSING S-N WEST SIDE	SP-10R	5C-13 R	5C-14 R		
								0	0		
							SP-10G	(11) G	(12) G		
							GRND BUS	W	W		
	SP-11	PED. 4 Ø 8	13-14	W	R DW G W	CROSSING S-N NORTH SIDE	SP-11R	5C-15 R	5C-16 R		
								0	0		
							SP-11G	(13) G	(14) G		
							GRND BUS	W	W		
	SP-12				R Y G		SP-12R				
							SP-12Y				
							SP-12G				
							GRND BUS				
	SP-13				R Y G		SP-13R				
							SP-13Y				
							SP-13G				
							GRND BUS				
	SP-14				R Y G		SP-14R				
							SP-14Y				
							SP-14G				
							GRND BUS				
	SP-15				R Y G		SP-15R				
							SP-15Y				
							SP-15G				
							GRND BUS				
	SP-16						SP-16R				
							SP-16Y				
							SP-16G				
							GRND BUS				

AFFIX SEAL ON: 

ALTERED BY ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ROUTE 30	PIN 2805.73 RTE 30 UTILITY QUALITY LEVEL B	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	TRAFFIC SIGNAL PLAN SITE 1- PERTH	CONTRACT NUMBER D263402
	OLD PLANK ROAD, S.H. 249						DRAWING NO. TSP-3
	TOWN OF PERTH						SHEET NO. 19
	COUNTY: FULTON	REGION: 02					

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NEW YORK STATE OF OPPORTUNITY Department of Transportation

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 DATE/TIME = 13-JAN-2017 14:07
 USER = jkupris

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 DESIGN M. JONES
 JOB MANAGER K. REILLY
 DESIGN SUPERVISOR J. TIBBITTS

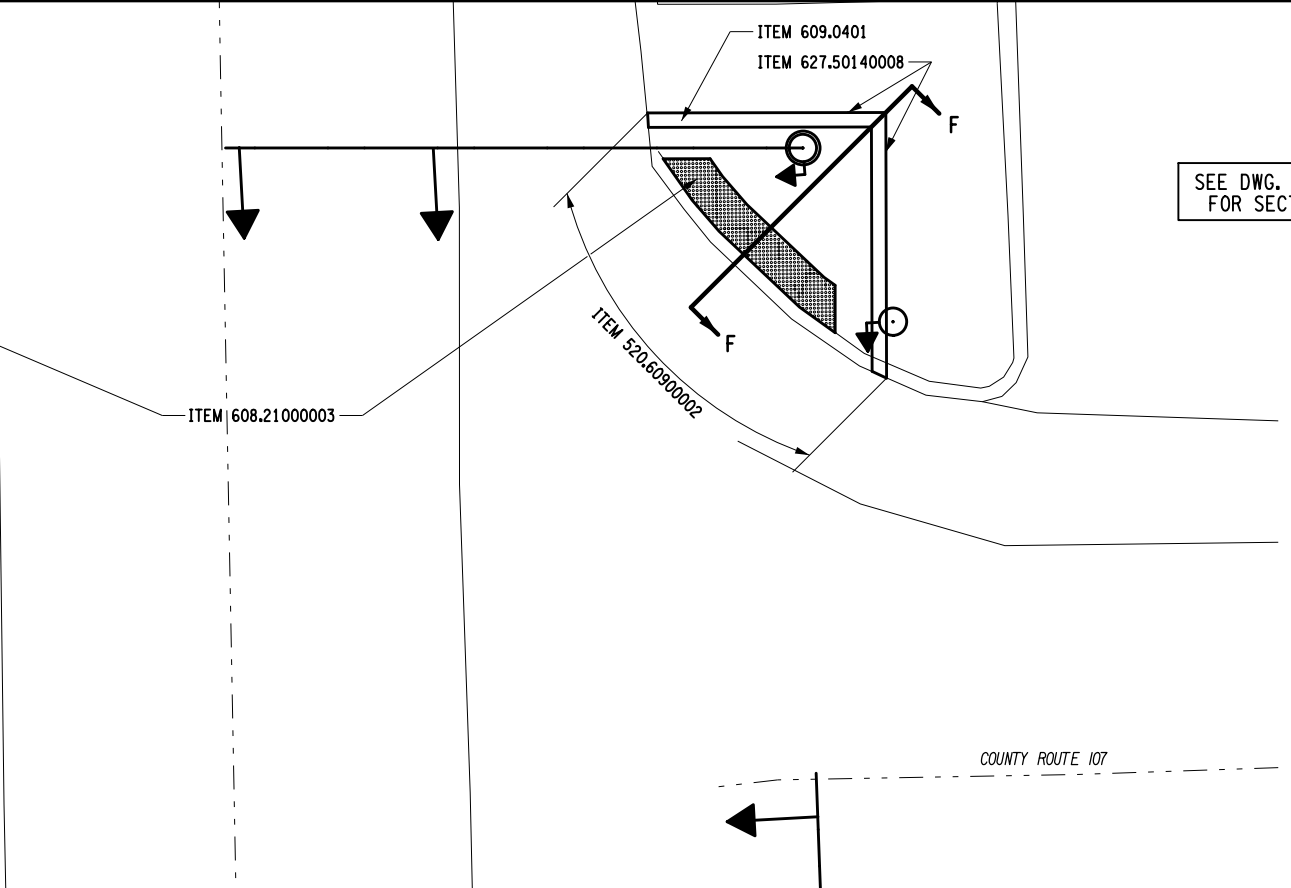
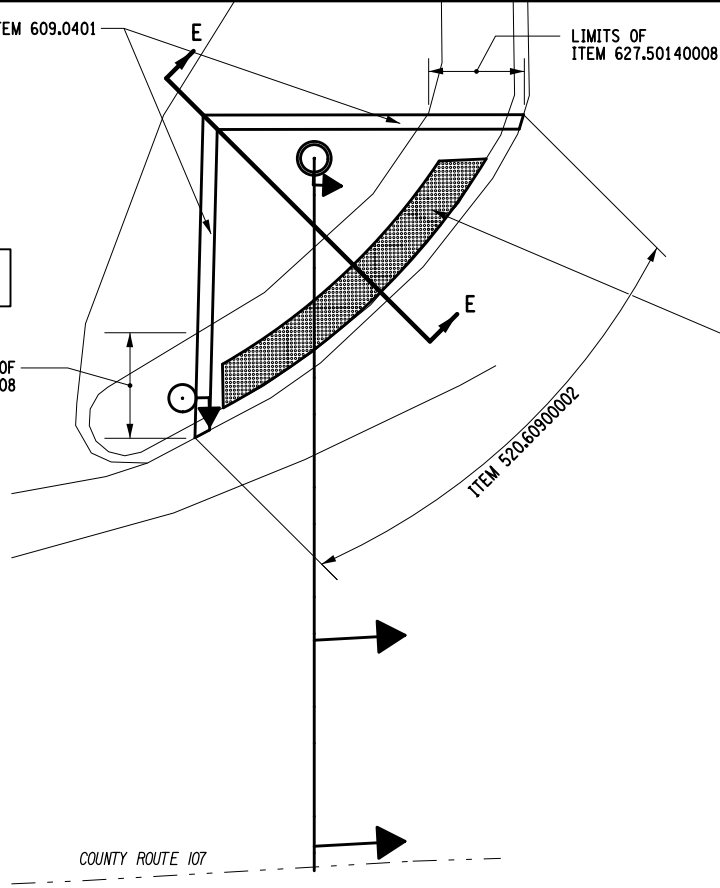
SEE DWG. NO. TSP-6
 FOR SECTION E-E

LIMITS OF
 ITEM 627.50140008

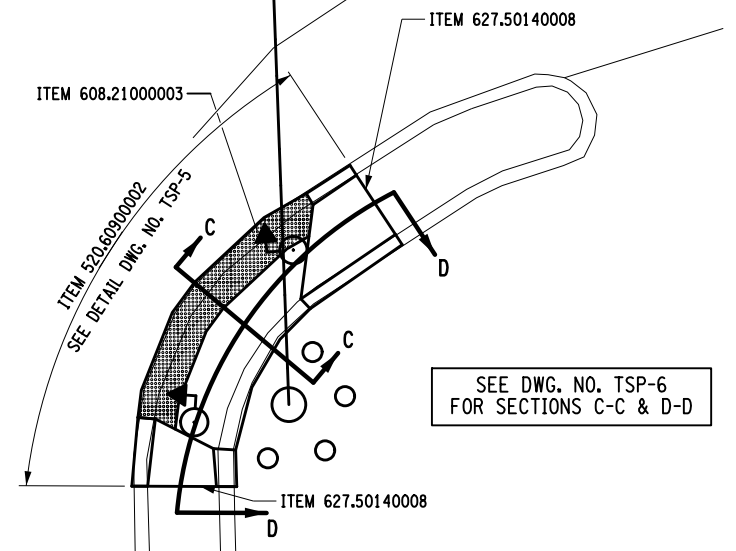
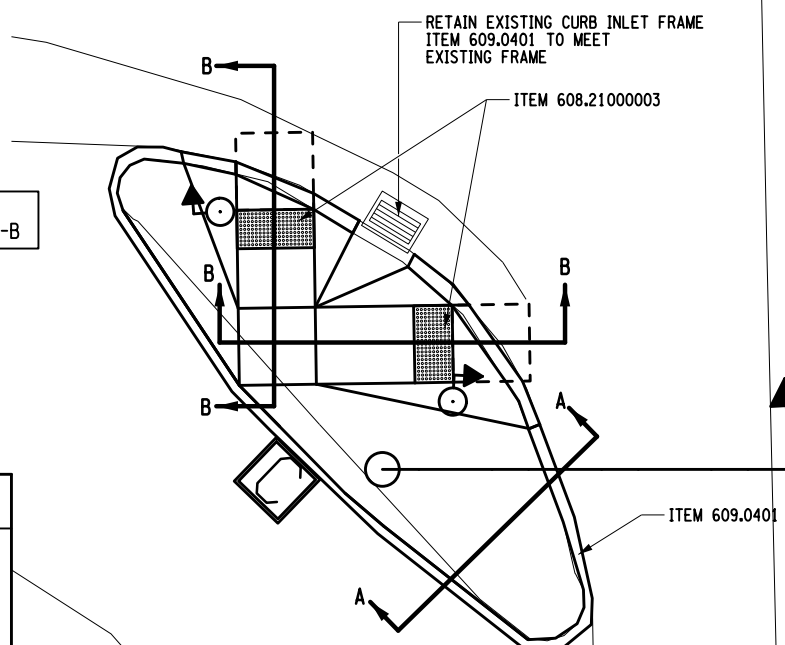
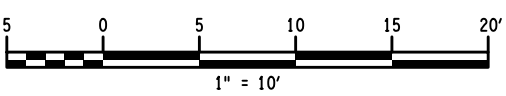
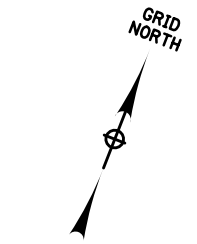
LIMITS OF
 ITEM 627.50140008

SEE DWG. NO. TSP-6
 FOR SECTION F-F

ITEM NO.	DESCRIPTION
520.60900002	SAWCUTTING CURB
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS
609.0401	CAST-IN-PLACE CONCRETE CURB TYPE VF 150
627.50140008	CUTTING PAVEMENT



SEE DWG. NO. TSP-5
 FOR SECTIONS A-A & B-B



AFFIX SEAL:
ON:

ALTERED BY:
ON:

AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

ROUTE 30
 OLD PLANK ROAD, S.H. 249
 TOWN OF PERTH
 COUNTY: FULTON REGION: 02

PIN 2805.73
 RTE 30
 UTILITY QUALITY LEVEL B

BRIDGES
 CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 TRAFFIC SIGNAL PLAN
 SITE 1-PERTH
 PEDESTRIAN ACCOMMODATIONS PLAN

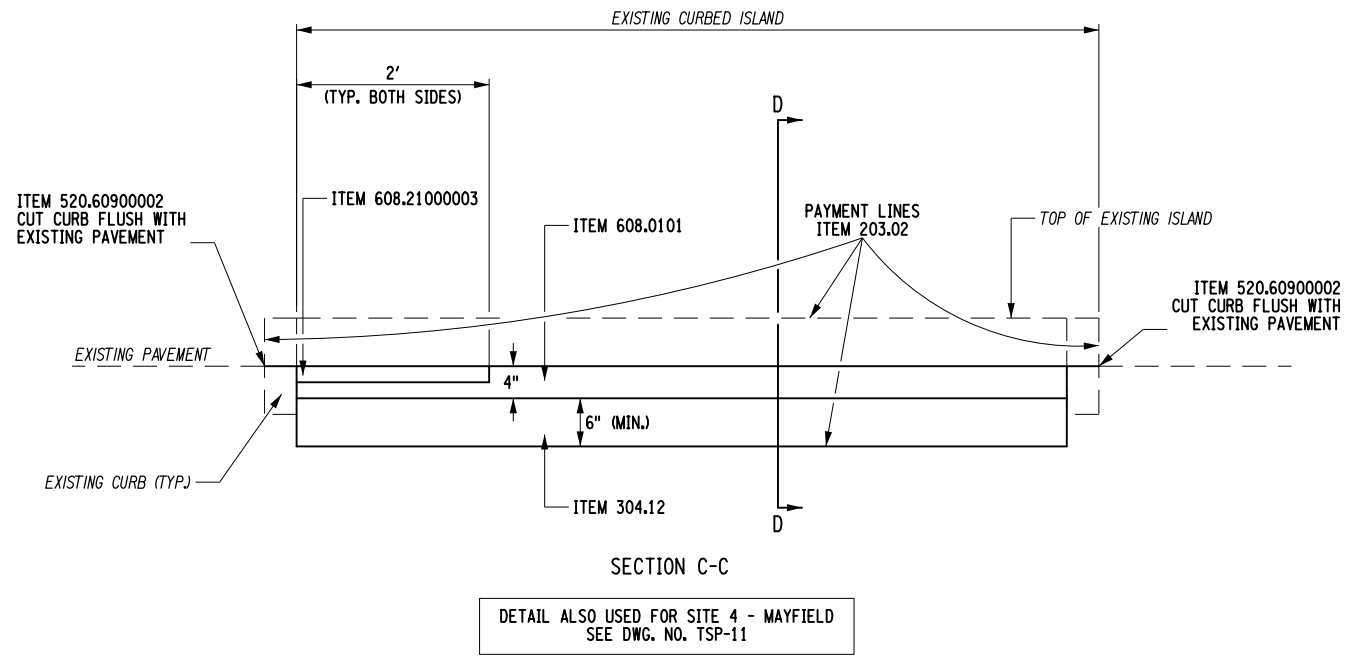
CONTRACT NUMBER
 D263402
 DRAWING NO. TSP-4
 SHEET NO. 20

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

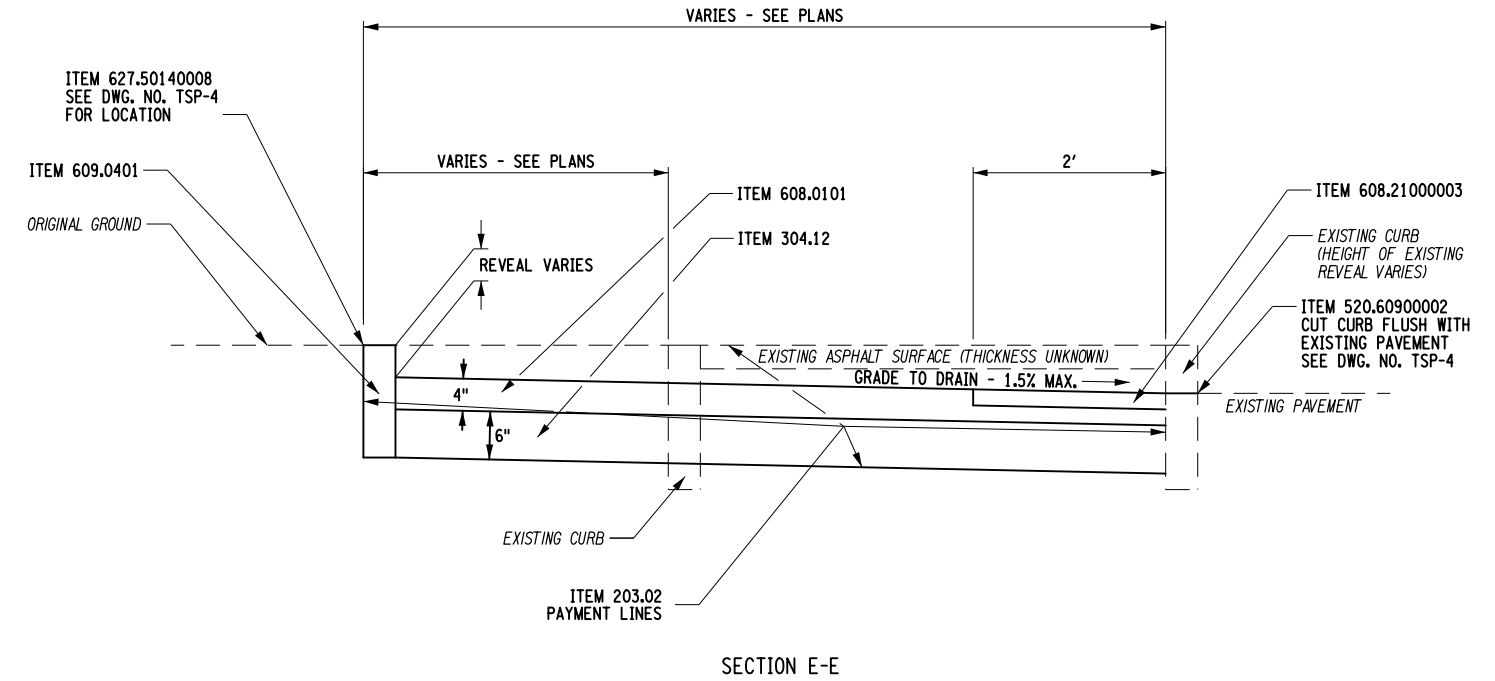


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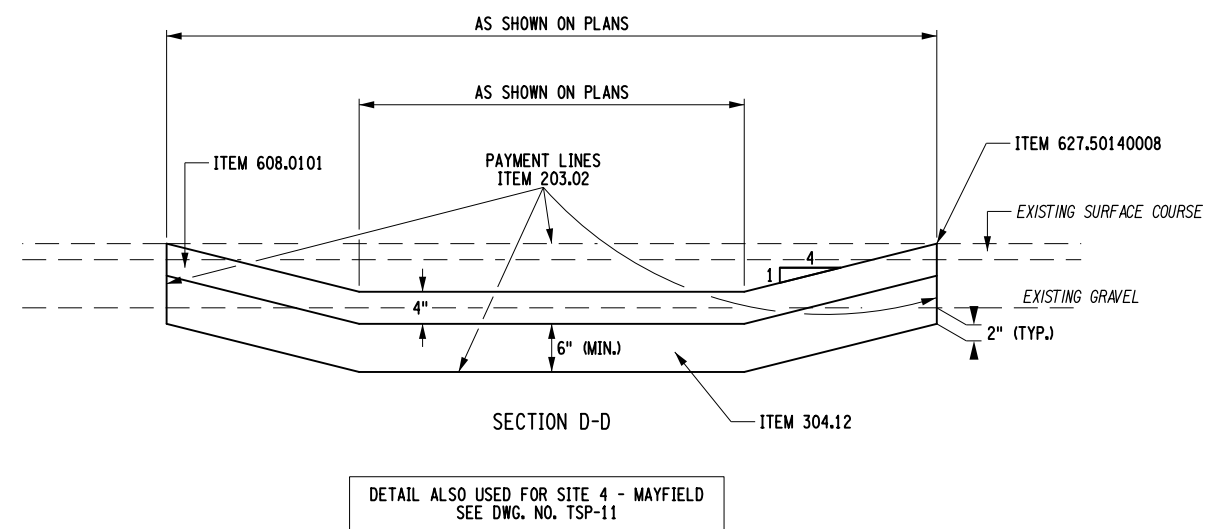
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 DESIGN M. JONES
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 JOB MANAGER K. REILLY
 DESIGN SUPERVISOR J. TIBBITTS



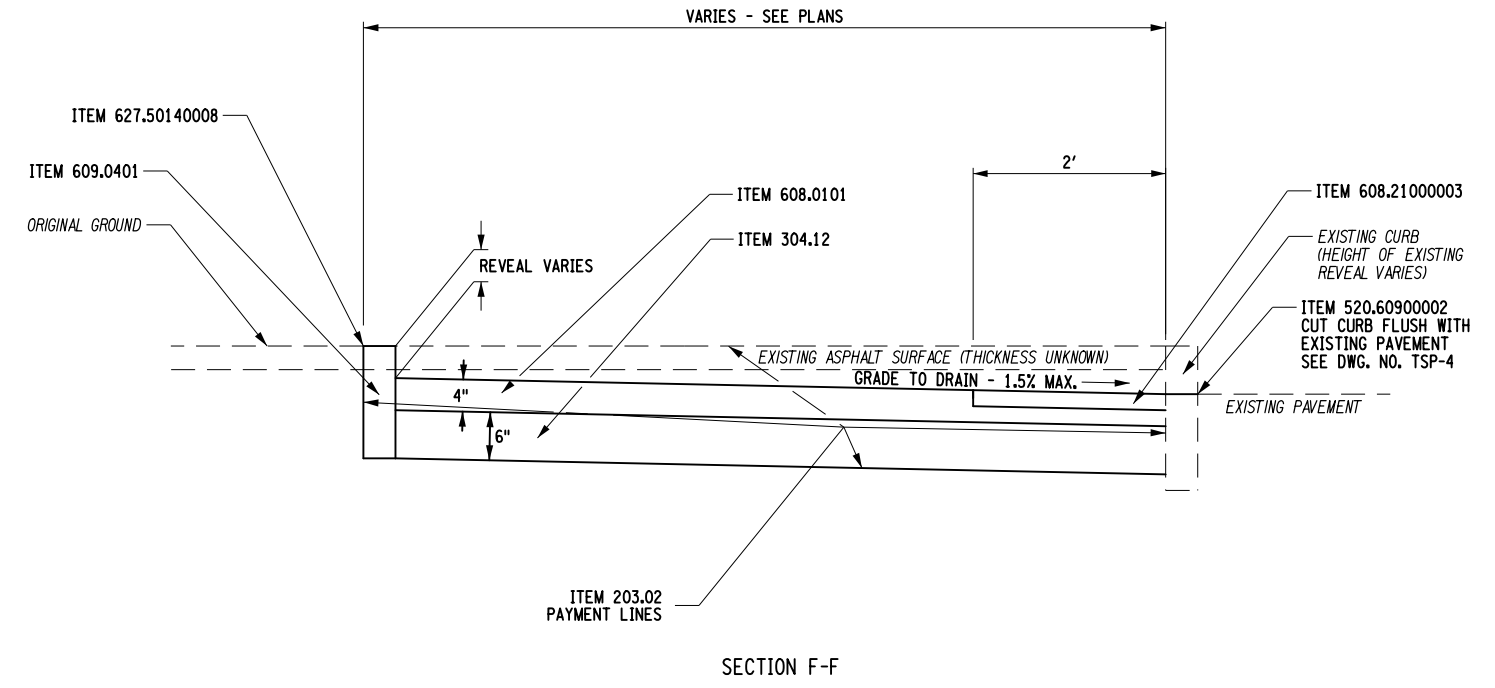
SECTION C-C
 DETAIL ALSO USED FOR SITE 4 - MAYFIELD
 SEE DWG. NO. TSP-11




SECTION E-E



SECTION D-D
 DETAIL ALSO USED FOR SITE 4 - MAYFIELD
 SEE DWG. NO. TSP-11



SECTION F-F

AFFIX SEAL ON: 

ALTERED BY ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ROUTE 30	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	OLD PLANK ROAD, S.H. 249	RTE 30			TRAFFIC SIGNAL PLAN SITE 1 - PERTH PEDESTRIAN ACCOMMODATIONS DETAILS	DRAWING NO. TSP-6 SHEET NO. 22
	TOWN OF PERTH	UTILITY QUALITY LEVEL B				
	COUNTY: FULTON	REGION: 02				

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MONTGOMERY COUNTY - SIGNALS #15 (EB) AND 15.2 (WB) - TRIBES HILL

GRID NORTH

PROJECT MANAGER

CHECK

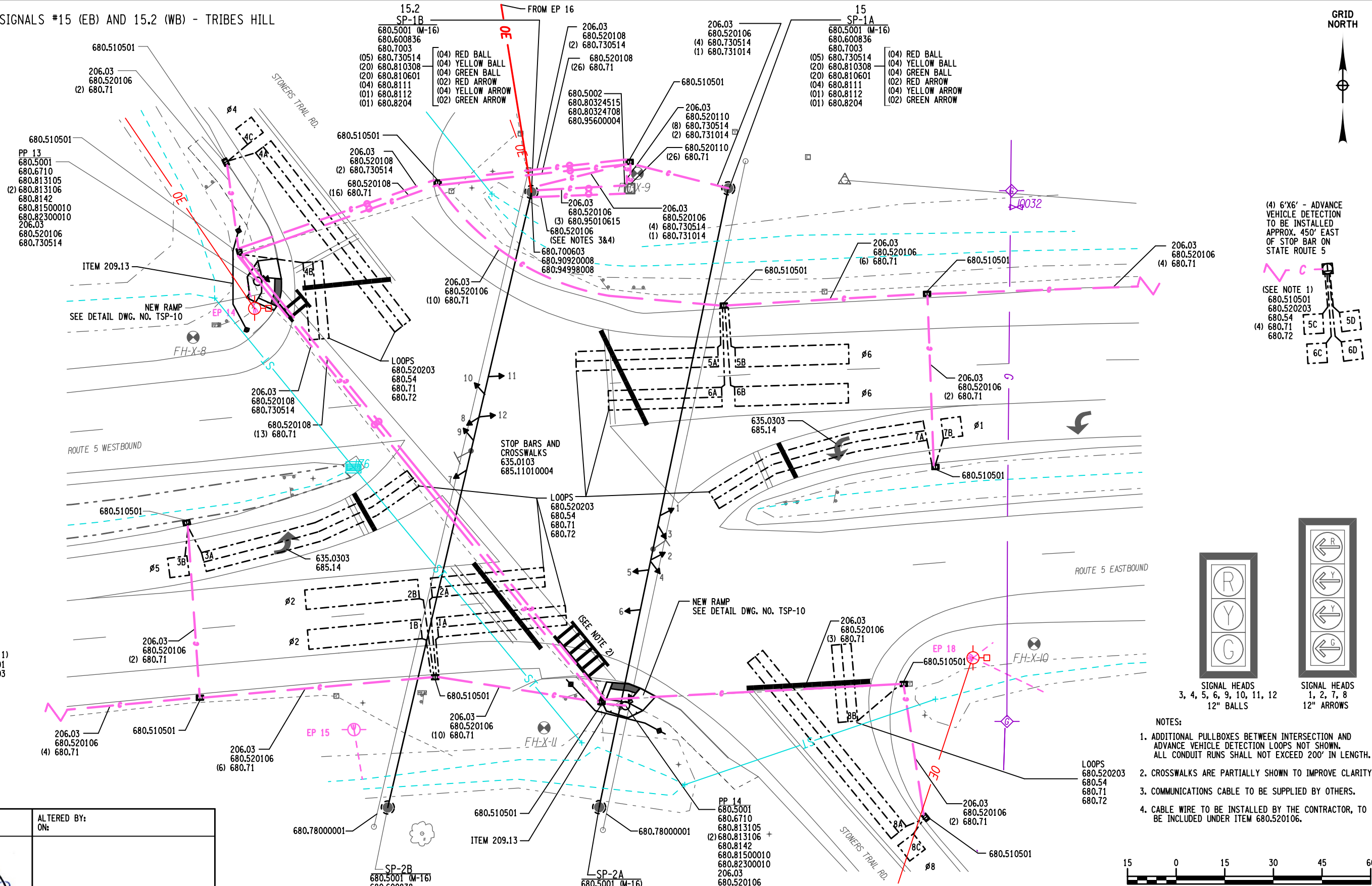
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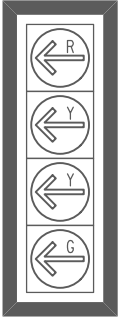
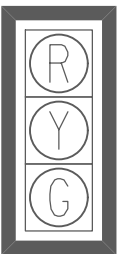
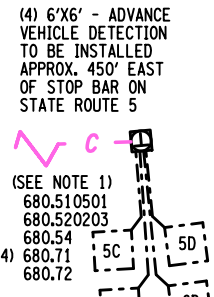
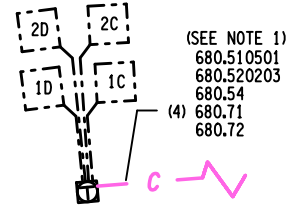
DESIGN M. JONES

JOB MANAGER K. REILLY

DESIGN SUPERVISOR J. TIBBITTS



(4) 6'x6' (4 TURNS) ADVANCE VEHICLE DETECTION TO BE INSTALLED APPROX. 520' WEST OF STOP BAR ON STATE ROUTE 5



- NOTES:
- ADDITIONAL PULLBOXES BETWEEN INTERSECTION AND ADVANCE VEHICLE DETECTION LOOPS NOT SHOWN. ALL CONDUIT RUNS SHALL NOT EXCEED 200' IN LENGTH.
 - CROSSWALKS ARE PARTIALLY SHOWN TO IMPROVE CLARITY.
 - COMMUNICATIONS CABLE TO BE SUPPLIED BY OTHERS.
 - CABLE WIRE TO BE INSTALLED BY THE CONTRACTOR, TO BE INCLUDED UNDER ITEM 680.520106.

AFFIX SEAL: ON: _____
ALTERED BY: ON: _____



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ROUTE 5 FONDA-TRIBES HILL, S.H. 303 TOWN OF MOHAWK COUNTY: MONTGOMERY	PIN 2805.73 UTILITY QUALITY LEVEL B	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
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REGION: 02	DRAWING NO. TSP-7 SHEET NO. 23
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



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 USER = jkupris

PROJECT MANAGER

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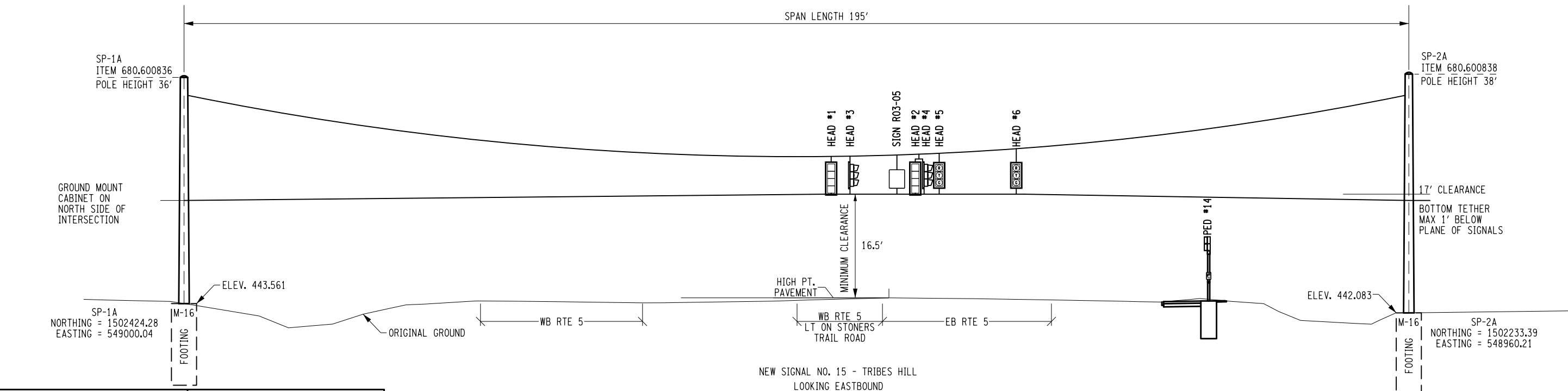
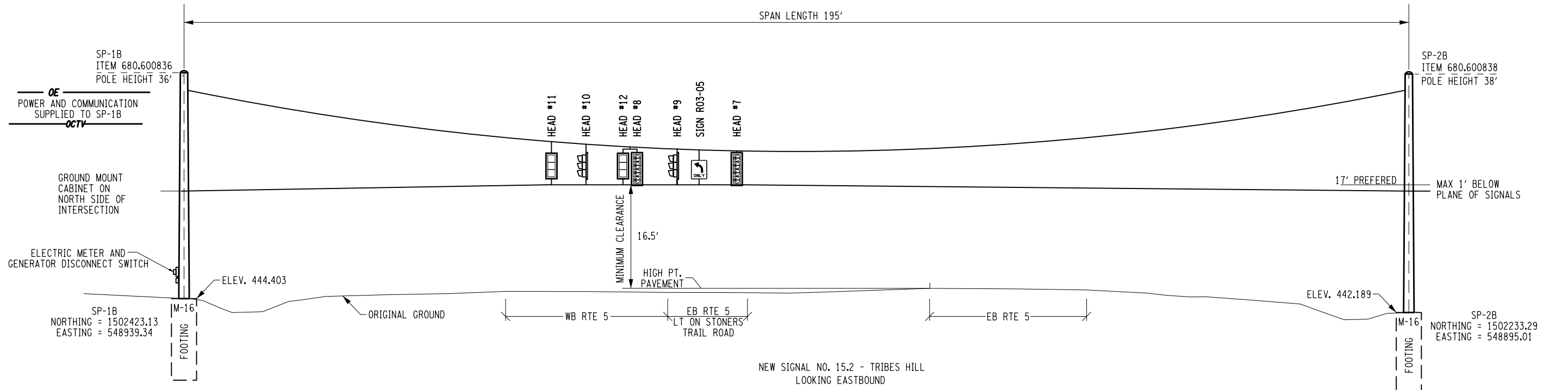
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DESIGN M. JONES

JOB MANAGER

DESIGN SUPERVISOR J. TIBBITTS



AFFIX SEAL ON:

ALTERED BY ON: _____

- NOTES:
1. PROFILES CUT ALONG SPAN
 2. SIDEWALK TYPE AND LOCATION SHOWN ON PLAN SHEET
 3. APPROXIMATE SIGNAL HEAD LOCATIONS SHOWN DIRECTION AND PLACEMENT TO BE DETERMINED IN THE FIELD

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ROUTE 5	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	FONDA-TRIBES HILL, S.H. 303	UTILITY QUALITY LEVEL B				
	TOWN OF MOHAWK				COUNTY: MONTGOMERY	REGION: 02

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NEW YORK STATE OF OPPORTUNITY Department of Transportation


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 DATE/TIME = 13-JAN-2017 14:07
 USER = jkupris

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 DESIGN M. JONES
 JOB MANAGER K. REILLY
 DESIGN SUPERVISOR J. TIBBITTS

TABLE OF TRAFFIC SIGNAL QUANTITIES			
SITE 3-TRIBES HILL			
ITEM	ITEM DESCRIPTION	UNIT	QUANTITY
619.1613	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT C)	INTM	13.00
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	25.20
680.5002	CONCRETE BASE FOR CONTROLLER CABINET	EACH	1.00
680.510501	PULLBOX-RECTANGULAR, 26 X 18 INCH, REINFORCED CONCRETE	EACH	18.00
680.520106	CONDUIT, METAL STEEL, ZINC COATED, 2"	LF	1445.00
680.520108	CONDUIT, METAL STEEL, ZINC COATED, 3"	LF	610.00
680.520110	CONDUIT, METAL STEEL, ZINC COATED, 4"	LF	20.00
680.520203	TRAFFIC SIGNAL CONDUIT, FLEXIBLE LIQUID TIGHT STEEL, 1"	LF	210.00
680.54	INDUCTANCE LOOP INSTALLATION	LF	2600.00
680.600836	SIGNAL POLE - 8 KIPS - 36 FT	EACH	2.00
680.600838	SIGNAL POLE - 8 KIPS - 38FT	EACH	2.00
680.6710	TRAFFIC SIGNAL POLE-POST TOP MOUNT 10 FEET MOUNTING HEIGHT	EACH	2.00
680.7003	DUAL SPAN WIRE ASSEMBLY WITH LOWER TETHER WIRE	EACH	2.00
680.700603	RISER ASSEMBLY 1" DIAMETER	EACH	1.00
680.71	SHIELDED LEAD-IN CABLE	LF	12250.00
680.72	INDUCTANCE LOOP WIRE	LF	7750.00
680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG	LF	1545.00
680.731014	SIGNAL CABLE 10 CONDUCTORS, 14 AWG	LF	400.00
680.78000001	MODIFY AND REMOVE TRAFFIC SIGNAL EQUIPMENT	LS	1.00
680.80324515	INSTALL MICROCOMPUTER CABINET	EACH	1.00
680.80324708	MICROCOMPUTER CABINET BASE (ALUMINUM)	EACH	1.00
680.810308	INSTALL BALL/ARROW LED TRAFFIC SIGNAL MODULE	EACH	40.00
680.810601	TRAFFIC SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EACH	40.00
680.8111	TRAFFIC SIGNAL BRACKET ASSEMBLY - 1 WAY	EACH	8.00
680.8112	TRAFFIC SIGNAL BRACKET ASSEMBLY - 2 WAY	EACH	2.00
680.813105	PEDESTRIAN SIGNAL MODULE - 12 INCH BI-MODAL, HAND/MAN SYMBOLS LED	EACH	2.00
680.813106	PEDESTRIAN SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EACH	4.00
680.8142	PEDESTRIAN SIGNAL POST TOP MOUNT ASSEMBLY	EACH	2.00
680.81500010	PEDESTRIAN COUNT-DOWN TIMER MODULE	EACH	2.00
680.8204	OVERHEAD SIGN ASSEMBLY, TYPE D	EACH	2.00
680.82300010	ADA COMPLIANT PEDESTRIAN PUSHBUTTON WITH LATCHING LED INDICATION	EACH	2.00
680.90920008	ELECTRIC METER SOCKET, 200 AMP, SINGLE PHASE, 240/120 VOLT W/ BYPASS SWITCH FOR SIGNAL INSTALLATIONS	EACH	1.00
680.94998008	INSTALL ELECTRICAL DISCONNECT GENERATOR TRANSFER SWITCH - STATE SUPPLIED	EACH	1.00
680.95010615	SERVICE CABLE 1 CONDUCTOR, NO. 06 AWG	LF	234.00
680.95600004	ELECTRICAL METER PAN	EACH	1.00

TABLE OF INPUT WIRING						
RTE 30 - SITE 1 (PERTH)						
SIGNAL NO.	TERMINAL BOARD WIRING	FUNCTION	LOOP NUMBER	TYPE	SIZE	REMARKS
	1A, 1B	Ø 2	1A & 1B	2-4-2, 3T	SPLIT 6X35	SPLIT LOOP EB
	2A, 2B	-	1C	4 TURNS	6X6	POINT LOOP EB
	3A, 3B	Ø 2	1D	4 TURNS	6X6	POINT LOOP EB
	4A, 4B	Ø 2	2A & 2B	2-4-2, 3T	SPLIT 6X35	SPLIT LOOP EB
	5A, 5B	-	2C	4 TURNS	6X6	POINT LOOP EB
	6A, 6B	Ø 2	2D	4 TURNS	6X6	POINT LOOP EB
	7A, 7B	Ø 5	3A	2-4-2	6X70	EB LEFT
	8A, 8B	-	3B	4 TURNS	6X6	
	9A, 9B	Ø 4	4A	2-4-2	6X70	
	10A, 10B	Ø 4	4B	2-4-2	6X24	
	11A, 11B	-	4C	4 TURNS	6X6	
	12A, 12B	Ø 6	5A - 5B	2-4-2, 3T	6X35	SPLIT LOOP WB
	13A, 13B		5C	4 TURNS	6X6	POINT LOOP WB
	14A, 14B	Ø 6	5D	4 TURNS	6X6	POINT LOOP WB
	15A, 15B	Ø 6	6A - 6B	2-4-2, 3T	6X35	SPLIT LOOP WB
	16A, 16B		6C	4 TURNS	6X6	POINT LOOP WB
	17A, 17B	Ø 6	6D	4 TURNS	6X6	POINT LOOP WB
	18A, 18B	Ø 1	7A	2-4-2	6X70	WB LEFT
	19A, 19B		7B	4 TURNS	6X6	
	20A, 20B	Ø 8	8A	2-4-2	6X70	
	21A, 21B	Ø 8	8B	2-4-2	6X24	
	22A, 22B		8C	4 TURNS	6X6	
	23A, 23B					
	24A, 24B					
	25A, 25B	PED. Ø 4	5C-9		BLACK/ ORANGE	PED. HEAD 13
	26A, 26B	PED. Ø 4	5C-10		BLACK/ ORANGE	PED. HEAD 14
	27A, 27B					
	28A, 28B					

TABLE OF SWITCH PACKS								FIELD REVISIONS
RTE 30 - SITE 1 (PERTH)								WIRE COLOR CODE
SIGNAL NO.	SWITCH PACK	FUNCTION	FACE NO.S	FLASH PLUG COLOR	INDICATIONS	DIRECTION	TERMINAL BOARD WIRING	
							TERMINAL	WIRE COLOR CODE
SP-1	Ø 1	1,2	W		G	WB LEFT	SP-1R	5C-1 R 10C-2 R
							SP-1Y	(1) O (2) O
							SP-1G	G G
							GRND BUS	
SP-2	Ø 2	5,6	Y		R	EB	SP-2R	5C-3 R 5C-4 R
					Y		SP-2Y	(5) O (6) O
					G		SP-2G	G G
							GRND BUS	W W
SP-3					R		SP-3R	
					Y		SP-3Y	
					G		SP-3G	
							GRND BUS	
SP-4	Ø 4	9,10	R		R	SB	SP-4R	5C-6 R 5C-7 R
					Y		SP-4Y	(9) O (10) O
					G		SP-4G	G G
							GRND BUS	W W
SP-5	Ø 5	7,8	W			EB LEFT	SP-5R	5C-5 R 10C-1 R
					G		SP-5Y	(7) O (8) O
							SP-5G	G G
							GRND BUS	
SP-6	Ø 6	11,12	Y		R	WB	SP-6R	5C-8 R 10C-1 R/BLK
					Y		SP-6Y	(11) O (12) O/BLK
					G		SP-6G	G G/BLK
							GRND BUS	W W/BLK
SP-7					R		SP-7R	
					Y		SP-7Y	
					G		SP-7G	
							GRND BUS	
SP-8	Ø 8	3,4	R		R	NB	SP-8R	5C-2 R 10C-2 R/BLK
					Y			(3) O O/BLK
					G		SP-8G	G G/BLK
							GRND BUS	W W/BLK
SP-9	VEHICLE Ø 1	1,2	Y		R	WB LEFT	SP-9R	5C-1 R 10C-2 R
					Y			(1) O O
					FYA		SP-9G	G G
							GRND BUS	W W
SP-10					R		SP-10R	
					Y			
					G		SP-10G	
							GRND BUS	
SP-11	VEHICLE Ø 5	7,8	Y		R	EB LEFT	SP-11R	5C-5 R 10C-1 R
					Y			(7) O (8) O
					FYA		SP-11G	BLACK B
							GRND BUS	WHITE W
SP-12					R		SP-12R	
					Y		SP-12Y	
					G		SP-12G	
							GRND BUS	
SP-13					R		SP-13R	
					Y		SP-13Y	
					G		SP-13G	
							GRND BUS	
SP-14	PED. Ø 4	13,14	W		R DW		SP-14R	5C-9 R 5C-10 R
					Y		SP-14Y	(13) O (14) O
					G W		SP-14G	G G
							GRND BUS	W W
SP-15					R		SP-15R	
					Y		SP-15Y	
					G		SP-15G	
							GRND BUS	
SP-16					R		SP-16R	
					Y		SP-16Y	
					G		SP-16G	
							GRND BUS	

AFFIX SEAL: ON: 

ALTERED BY: ON:

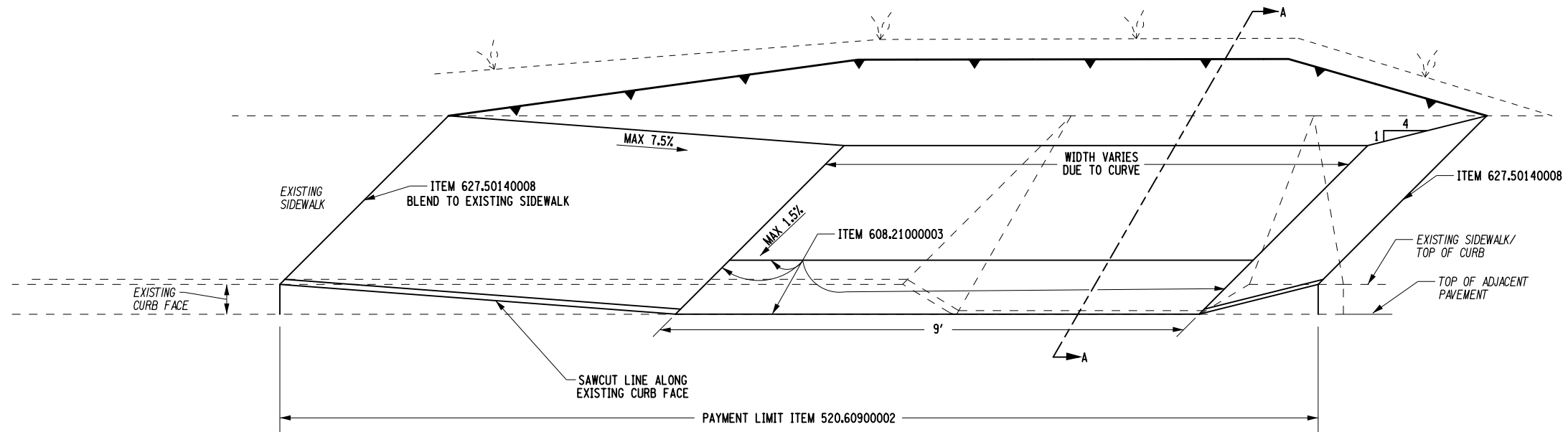
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

ROUTE 5	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
FONDA-TRIBES HILL, S.H. 303	UTILITY QUALITY LEVEL B			TRAFFIC SIGNAL PLAN SITE 3- TRIBES HILL SIGNAL TABLES	DRAWING NO. TSP-9 SHEET NO. 25
TOWN OF MOHAWK					
COUNTY: MONTGOMERY	REGION: 02				

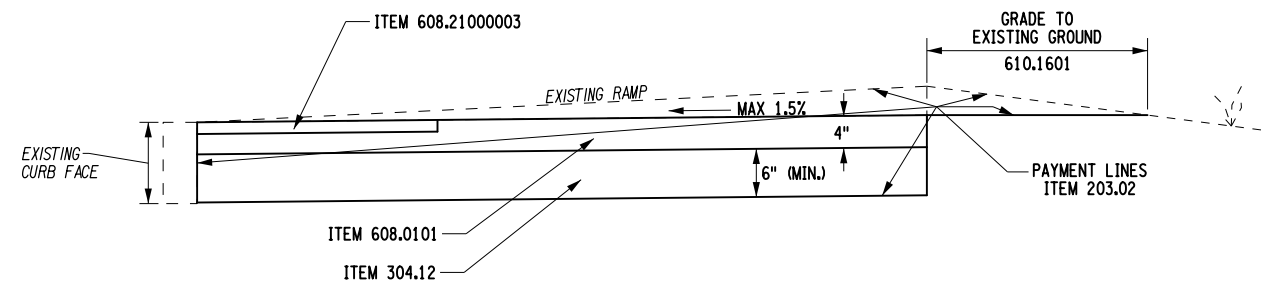
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

NEW YORK STATE OF OPPORTUNITY Department of Transportation

TRIBES HILL INTERSECTION
 PROPOSED PEDESTRIAN RAMPS
 MODIFICATION DETAIL
 (SOUTHERN RAMP SHOWN - MIRROR FOR NORTHERN RAMP)



ISOMETRIC VIEW



SECTION A-A

PROJECT MANAGER

CHECK

DRAFTING

CHECK

DESIGN M. JONES

JOB MANAGER K. REILLY

DESIGN SUPERVISOR J. TIBBITTS

AFFIX SEAL:
ON:

ALTERED BY:
ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

ROUTE 5
 FONDA-TRIBES HILL, S.H. 303
 TOWN OF MOHAWK
 COUNTY: MONTGOMERY REGION: 02

PIN 2805.73
 UTILITY QUALITY LEVEL B

BRIDGES
 CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 TRAFFIC SIGNAL PLAN
 SITE 3 - TRIBES HILL
 PEDESTRIAN ACCOMMODATION DETAILS

CONTRACT NUMBER
 D263402
 DRAWING NO. TSP-10
 SHEET NO. 26

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 - NEW SIGNAL INSTALL - MAYFIELD

GRID NORTH



- SP-3 (L-7)
 680.5001
 680.622039
 (2) 680.730514 (02) RED BALL
 (6) 680.810308 (02) YELLOW BALL
 (6) 680.810601 (02) GREEN BALL
 (2) 680.81210004
 (2) 680.81990003

- SP-1 (L-4)
 680.5001
 680.622021
 (2) 680.730514 (02) RED BALL
 (6) 680.810308 (02) YELLOW BALL
 (6) 680.810601 (02) GREEN BALL
 (2) 680.81210004
 (2) 680.81990003

- SP-2 PP 7 (L-7)
 680.5001
 680.622040
 (3) 680.730514 (02) RED BALL
 (6) 680.810308 (02) YELLOW BALL
 (6) 680.810601 (02) GREEN BALL
 (2) 680.81210004
 680.813105
 (2) 680.813106
 680.8141
 680.81500010
 (2) 680.81990003

PROJECT MANAGER
 CHECK
 DRAFTING
 CHECK
 DESIGN M. JONES
 JOB MANAGER K. REILLY
 DESIGN SUPERVISOR J. TIBBITTS

FILE NAME = 280573_cph_n_d1_tsp.dgn
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 USER = jrbabbitts

- PP 10
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 680.6710
 680.813105
 (2) 680.813106
 680.8142
 680.81500010
 680.82300010
 206.03
 680.520106
 680.730514

- 206.03
 680.520106
 (6) 680.730514
 680.520106
 (7) 680.71

- 206.03
 680.520108
 (5) 680.730514
 680.520108
 (7) 680.71

- LOOPS
 680.520203
 680.54
 680.71
 680.72

- (SEE NOTE 1)
 680.510501
 680.520203
 680.54
 680.71
 680.72
 (2) 680.71
 680.72

- PP 9
 680.5001
 680.6710
 680.813105
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 680.8142
 680.81500010
 680.82300010
 206.03
 680.520106
 680.730514

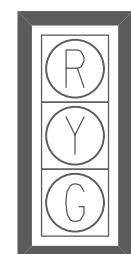
- PP 8
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 680.6710
 680.813105
 (2) 680.813106
 680.8142
 680.81500010
 680.82300010
 206.03
 680.520106
 680.730514

(2) 6'x6' (4 TURNS) ADVANCE VEHICLE DETECTION TO BE INSTALLED APPROX. 300' SOUTH OF STOP BAR ON STATE ROUTE 30

(2) 6'x6' (4 TURNS) ADVANCE VEHICLE DETECTION TO BE INSTALLED APPROX. 300' NORTH OF STOP BAR ON STATE ROUTE 30

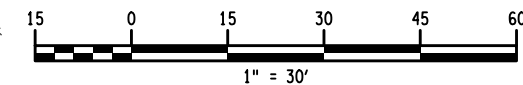
STOP BARS AND CROSSWALKS
 635.0103
 685.11010004
 (SEE NOTE 2)

SIDEWALK 5' WIDE
 SEE SECTION 'C-C'
 DWG NO. TSP-6 (SITE 1) FOR CONSTRUCTION DETAILS



SIGNAL HEADS 1 THRU 6
 12" BALLS

- NOTES:
 1. ADDITIONAL PULLBOXES BETWEEN INTERSECTION AND ADVANCE VEHICLE DETECTION LOOPS NOT SHOWN. ALL CONDUIT RUNS SHALL NOT EXCEED 200' IN LENGTH.
 2. CROSSWALKS ARE PARTIALLY SHOWN TO IMPROVE CLARITY.
 3. COMMUNICATIONS CABLE TO BE SUPPLIED BY OTHERS.
 4. CABLE WIRE TO BE INSTALLED BY THE CONTRACTOR, TO BE INCLUDED UNDER ITEM 680.520106.
 5. SEE DWG. NO. TSP-14 FOR SIDEWALK DETAILS ①-④.



AFFIX SEAL:
 ON:

ALTERED BY:
 ON:



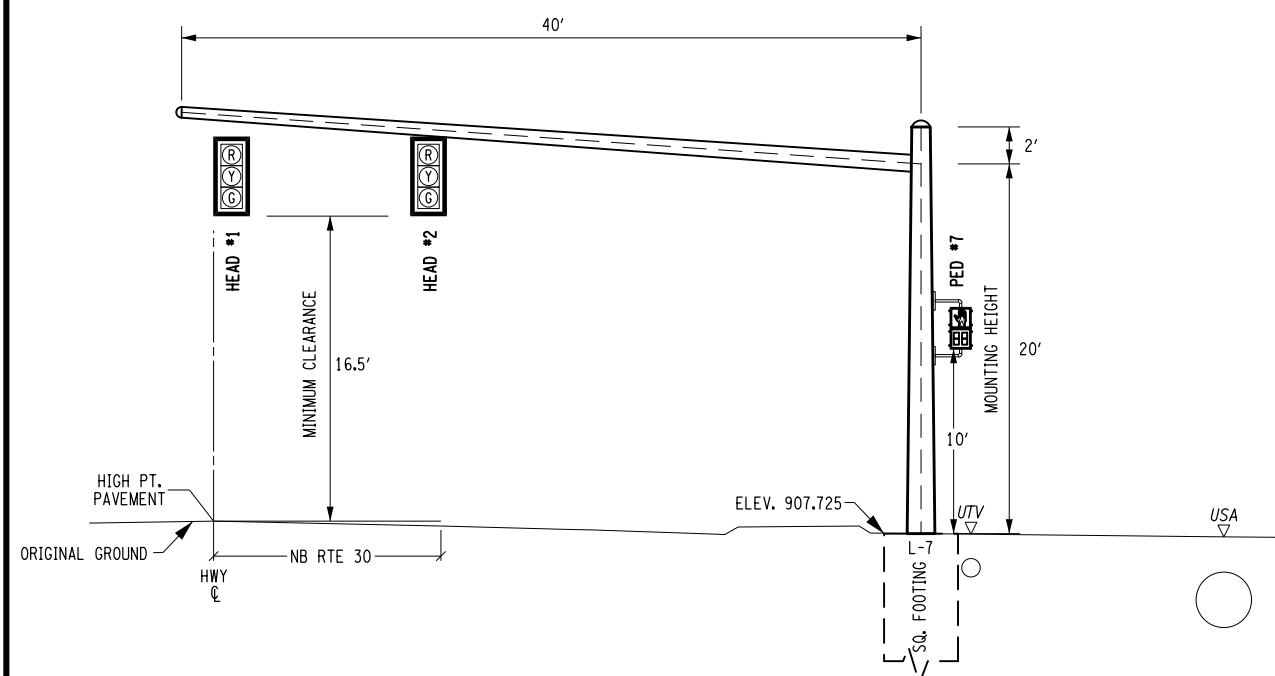
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ROUTE 30 MAYFIELD VILLAGE, S.H. 5194 VILLAGE OF MAYFIELD COUNTY: FULTON	PIN 2805.73 UTILITY QUALITY LEVEL B	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
					TRAFFIC SIGNAL PLAN SITE 4- MAYFIELD	DRAWING NO. TSP-11 SHEET NO. 27

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



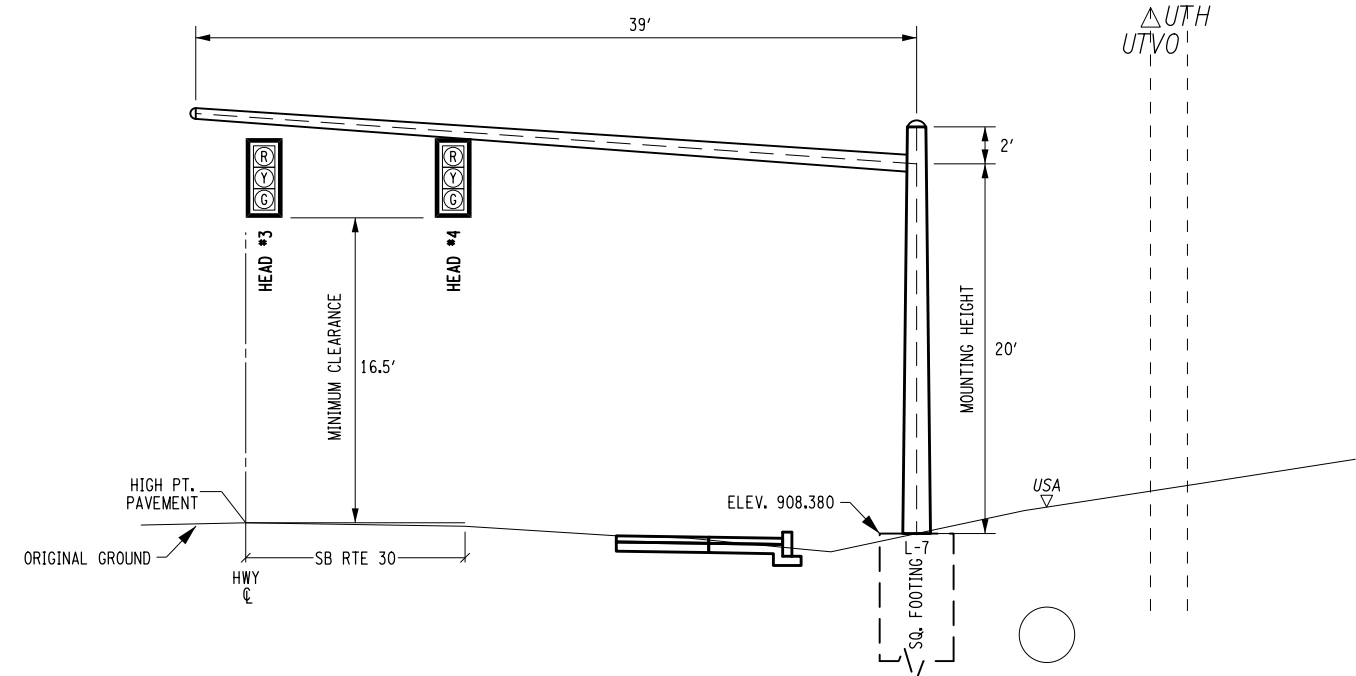
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 USER = jkupris

DESIGN SUPERVISOR J. TIBBITTS
 JOB MANAGER K. REILLY
 DESIGN M. JONES
 DRAFTING
 CHECK
 PROJECT MANAGER



SP-2
 ITEM 680.622040 - MAST ARM TRAFFIC SIGNAL POLE
 20' MOUNTING HEIGHT, 40' ARM LENGTH
 LOOKING NORTHBOUND ON STATE ROUTE 30

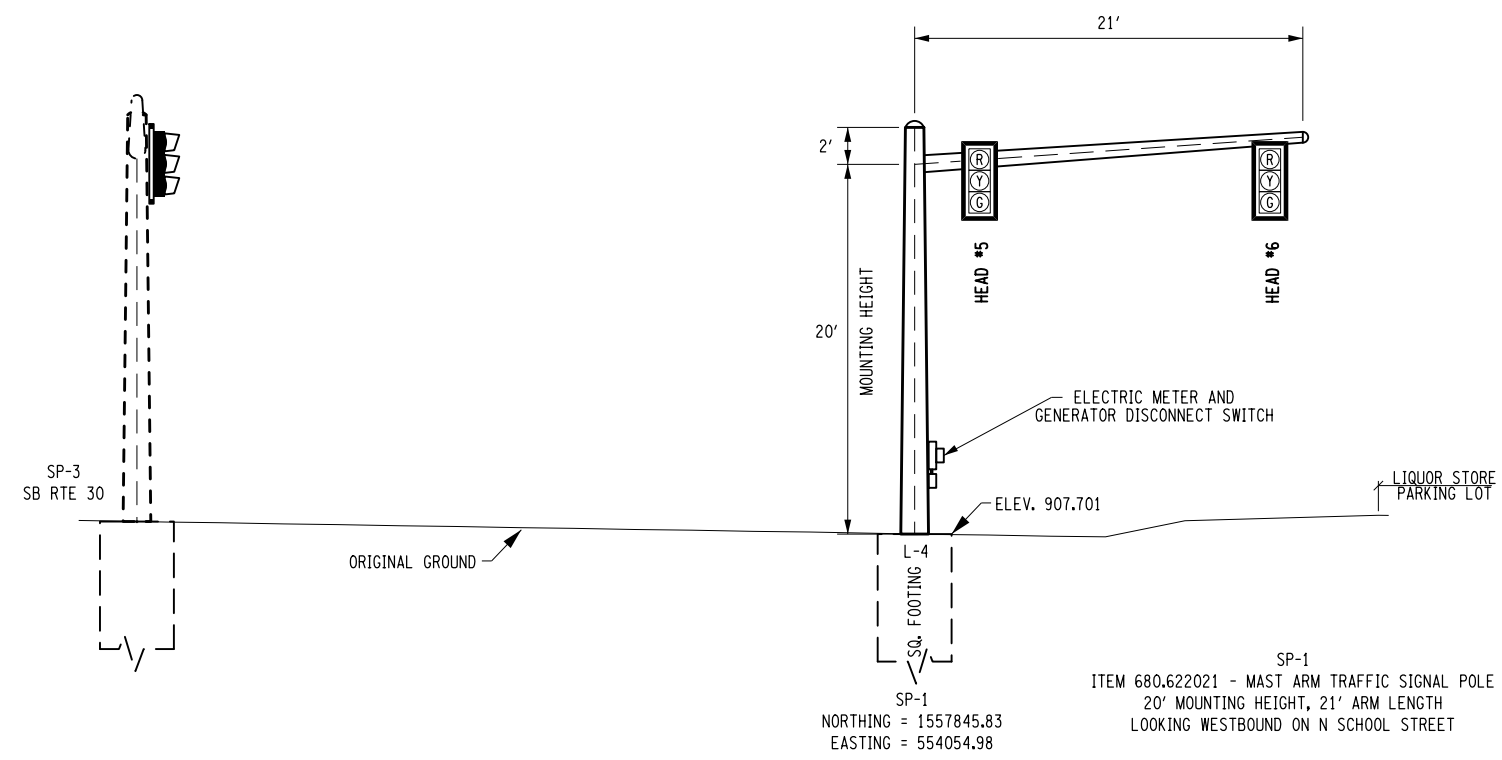
SP-2
 NORTHING = 1557832.39
 EASTING = 554136.17



SP-3
 ITEM 680.622039 - MAST ARM TRAFFIC SIGNAL POLE
 20' MOUNTING HEIGHT, 39' ARM LENGTH
 LOOKING SOUTHBOUND ON STATE ROUTE 30

SP-3
 NORTHING = 1557813.10
 EASTING = 554028.50

- NOTES:
1. PROFILES CUT ALONG SPAN
 2. SIDEWALK TYPE AND LOCATIONS SHOWN ON PLAN SHEET
 3. APPROXIMATE SIGNAL HEAD LOCATIONS SHOWN
 PLACEMENT TO BE DETERMINED IN THE FIELD



SP-1
 NORTHING = 1557845.83
 EASTING = 554054.98

SP-1
 ITEM 680.622021 - MAST ARM TRAFFIC SIGNAL POLE
 20' MOUNTING HEIGHT, 21' ARM LENGTH
 LOOKING WESTBOUND ON N SCHOOL STREET

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ROUTE 30	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	MAYFIELD VILLAGE, S.H. 5194	UTILITY QUALITY LEVEL B				TRAFFIC SIGNAL PLAN SITE 4- MAYFIELD ELEVATION VIEWS
	VILLAGE OF MAYFIELD	COUNTY: FULTON	REGION: 02			
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PROJECT MANAGER
 CHECK
 DRAFTING
 CHECK
 DESIGN M. JONES
 JOB MANAGER K. REILLY
 DESIGN SUPERVISOR J. TIBBITTS


TABLE OF TRAFFIC SIGNAL QUANTITIES			
SITE 4-MAYFIELD			
ITEM	ITEM DESCRIPTION	UNIT	QUANTITY
619.110513	PORTABLE, VARIABLE MESSAGE SIGN (PVMS) STANDARD SIZE - FULL MATRIX(LED) NO OPTIONAL EQUIPMENT SPEC, CELLULAR COM NTCIP	EACH	2.00
619.1613	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT C)	INTM	13.00
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	11.40
680.5002	CONCRETE BASE FOR CONTROLLER CABINET	EACH	1.00
680.510501	PULLBOX RECTANGULAR, 26 X 18 INCH, REINFORCED CONCRETE	EACH	12.00
680.520106	CONDUIT, METAL STEEL, ZINC COATED, 2"	LF	1055.00
680.520108	CONDUIT, METAL STEEL, ZINC COATED, 3"	LF	200.00
680.520110	CONDUIT, METAL STEEL, ZINC COATED, 4"	LF	10.00
680.520203	TRAFFIC SIGNAL CONDUIT, FLEXIBLE LIQUID TIGHT STEEL, 1"	LF	60.00
680.54	INDUCTANCE LOOP INSTALLATION	LF	1030.00
680.622021	TRAFFIC SIGNAL POLE MAST ARM, 20 FT MOUNTING HEIGHT, 21 FT ARM LENGTH	EACH	1.00
680.622039	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 39 FEET ARM LENGTH	EACH	1.00
680.622040	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 40 FEET ARM LENGTH	EACH	1.00
680.6710	TRAFFIC SIGNAL POLE-POST TOP MOUNT 10 FEET MOUNTING HEIGHT	EACH	3.00
680.71	SHIELDED LEAD-IN CABLE	LF	3020.00
680.72	INDUCTANCE LOOP WIRE	LF	3050.00
680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG	LF	1800.00
680.78000001	MODIFY AND REMOVE TRAFFIC SIGNAL EQUIPMENT	LS	1.00
680.80324515	INSTALL MICROCOMPUTER CABINET	EACH	1.00
680.80324708	MICROCOMPUTER CABINET BASE (ALUMINUM)	EACH	1.00
680.810308	INSTALL BALL/ARROW LED TRAFFIC SIGNAL MODULE	EACH	18.00
680.810601	TRAFFIC SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EACH	18.00
680.81210004	TRAFFIC SIGNAL BRACKET ASSEMBLY - ONE WAY, MAST ARM MOUNT	EACH	6.00
680.813105	PEDESTRIAN SIGNAL MODULE - 12 INCH BI-MODAL, HAND/MAN SYMBOLS LED	EACH	4.00
680.813106	PEDESTRIAN SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EACH	8.00
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY	EACH	1.00
680.8142	PEDESTRIAN SIGNAL POST TOP MOUNT ASSEMBLY	EACH	3.00
680.81500010	PEDESTRIAN COUNT-DOWN TIMER MODULE	EACH	4.00
680.81990003	TRAFFIC SIGNAL BACKPLATES WITH YELLOW REFLECTIVE TAPE	EACH	6.00
680.82290010	ADA COMPLIANT PEDESTRIAN PUSHBUTTON WITH LATCHING LED INDICATION - WITH POST	EACH	1.00
680.82300010	ADA COMPLIANT PEDESTRIAN PUSHBUTTON WITH LATCHING LED INDICATION	EACH	3.00
680.90920008	ELECTRIC METER SOCKET, 200 AMP, SINGLE PHASE, 240/120 VOLT W/ BYPASS SWITCH FOR SIGNAL INSTALLATIONS	EACH	1.00
680.94998008	INSTALL ELECTRICAL DISCONNECT GENERATOR TRANSFER SWITCH - STATE SUPPLIED	EACH	1.00
680.95010615	SERVICE CABLE 1 CONDUCTOR, NO. 06 AWG	LF	327.00
680.95600004	ELECTRICAL METER PAN	EACH	1.00

TABLE OF INPUT WIRING					
SIGNAL NO. RTE 30 - SCHOOL STREET (MAYFIELD)					
TERMINAL BOARD WIRING	FUNCTION	LOOP NUMBER	TYPE	SIZE	REMARKS
1A, 1B	ø 2	1A & 1B	2-4-2, 3T	SPLIT 6X35	NB RTE 30, SEP SHEILDDED
2A,2B	-	1C	4 TURNS	6X6	POINT NB CLOSE
3A,3B	ø 2	1D	4 TURNS	6X6	POINT NB FAR
4A,4B	ø 6	2A & 2B	2-4-2, 3T	SPLIT 6X35	SB RT 30
5A,5B	-	2C	4 TURNS	6X6	POINT SB RT 30 CLOSE
6A,6B	ø 6	2D	4 TURNS	6X6	POINT SB RT 30 FAR
7A,7B	ø 4	3A	2-4-2	6X70	WB SCHOOL ST
8A,8B	ø 4	3B	2-4-2	6X50	WB SCHOOL ST CORNER
9A,9B	-	3C	4 TURNS	6X6	COUNTING LOOP
10A,10B					
11A,11B					
12A,12B					
13A,13B	ø 2	5C-7	NE CORNER	BLACK/OR	PED. HEAD 7
14A,14B	ø 2	5C-8	SE CORNER	BLACK/OR	PED. HEAD 8
15A,15B	ø 4	5C-9	SE CORNER	BLACK/OR	PED. HEAD 9
16A,16B	ø 4	5C-10	SW CORNER	BLACK/OR	PED. HEAD 10
17A, 17B					
18A, 18B					
19A, 19B					
20A, 20B					
21A, 21B					
22A, 22B					
23A, 23B					
24A, 24B					
25A, 25B					
26A, 26B					
27A, 27B					
28A, 28B	PRE EMPTION TO FOLLOW WITH BLUE LIGHT				

TABLE OF SWITCH PACKS								FIELD REVISIONS
SIGNAL NO. RTE 30 - SCHOOL STREET (MAYFIELD)								WIRE COLOR CODE
SWITCH PACK	FUNCTION	FACE NO.S	FLASH PLUG COLOR	INDICATIONS	DIRECTION	TERMINAL BOARD WIRING		
							TERMINAL	WIRE COLOR CODE
SP 1	ø 2	1,2	Y	R	RTE 30 NB	SP-1R	5C-1 R 5C-2 R	
				Y		SP-1Y	(1) 0 (2) 0	
				G		SP-1G	G G	
GRND BUS							W W	
SP 2	ø 6	3,4	Y	R	RTE 30 SB	SP-2R	5C-3 R 5C-4 R	
				Y		SP-2Y	0 0	
				G		SP-2G	(3) G (4) G	
GRND BUS							W W	
SP 3	ø 4	5,6	R	R	SCHOOL ST WB	SP-3R	5C-5 R 5C-6 R	
				Y		SP-3Y	0 0	
				G		SP-3G	(5) G (6) G	
GRND BUS							W W	
SP 4				R		SP-4R		
				Y		SP-4Y		
				G		SP-4G		
GRND BUS								
SP 5				R		SP-5R		
				Y		SP-5Y		
				G		SP-5G		
GRND BUS								
SP 6				R		SP-6R		
				Y		SP-6Y		
				G		SP-6G		
GRND BUS								
SP 7				R		SP-7R		
				Y		SP-7Y		
				G		SP-7G		
GRND BUS								
SP 8	PED 1 ø 2	7,8	W	R DW	CROSSING S-N ON EAST SIDE	SP-8R	5C - 7R 5C-8R	
				G W		SP-8Y	- -	
						SP-8G	(7) G (8) G	
GRND BUS							W W	
SP 9	PED 2 ø 4	9,10	W	R DW	CROSSING E-W ON SOUTH SIDE	SP-9R	5C - 9R 5C-10R	
				G W		SP-9Y	- -	
						SP-9G	(9) G (10) G	
GRND BUS							W W	
SP 10				R		SP-10R		
				Y		SP-10Y		
				G		SP-10G		
GRND BUS								
SP 11				R		SP-11R		
				Y		SP-11Y		
				G		SP-11G		
GRND BUS								
SP 12				R		SP-12R		
				Y		SP-12Y		
				G		SP-12G		
GRND BUS								
SP 13				R		SP-13R		
				Y		SP-13Y		
				G		SP-13G		
GRND BUS								
SP 14				R		SP-14R		
				Y		SP-14Y		
				G		SP-14G		
GRND BUS								
SP 15				R		SP-15R		
				Y		SP-15Y		
				G		SP-15G		
GRND BUS								
SP 16				R		SP-16R		
				Y		SP-16Y		
				G		SP-16G		
GRND BUS								

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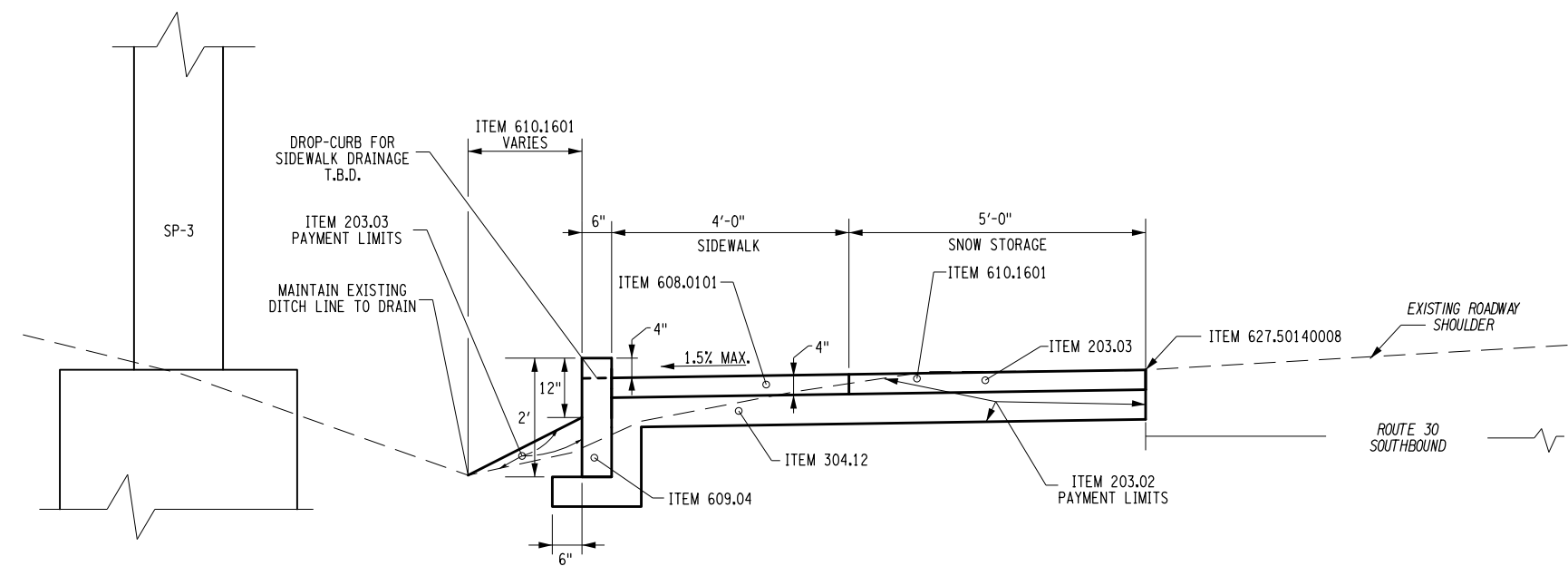
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AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ROUTE 30	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	TRAFFIC SIGNAL PLAN SITE 4- MAYFIELD SIGNAL TABLES	CONTRACT NUMBER D263402
	MAYFIELD VILLAGE, S.H. 5194	UTILITY QUALITY LEVEL B					DRAWING NO. TSP-13
	VILLAGE OF MAYFIELD						SHEET NO. 29
	COUNTY: FULTON	REGION: 02					

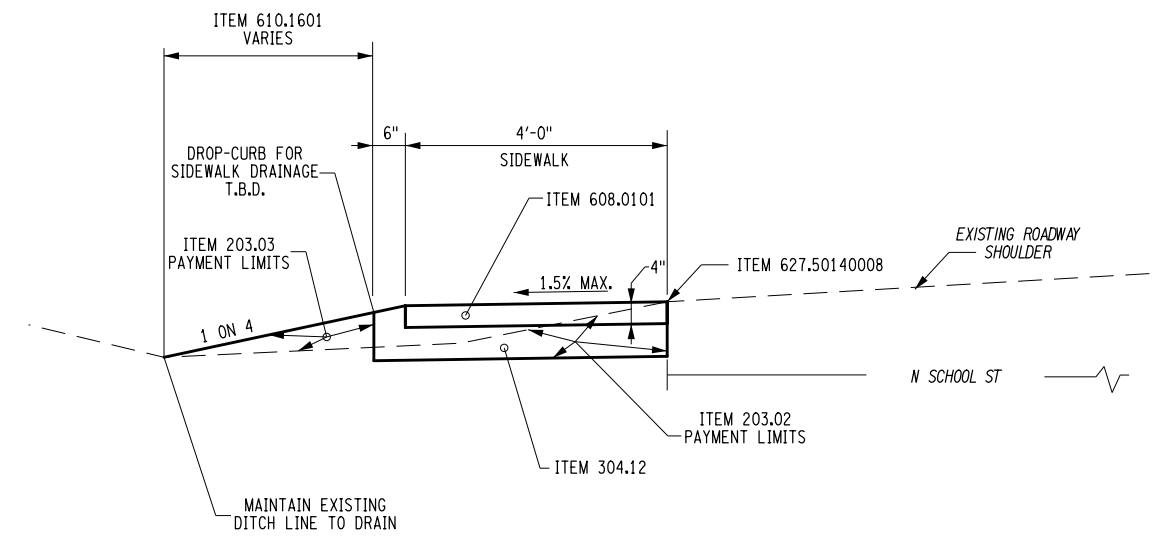
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 USER = jkupris

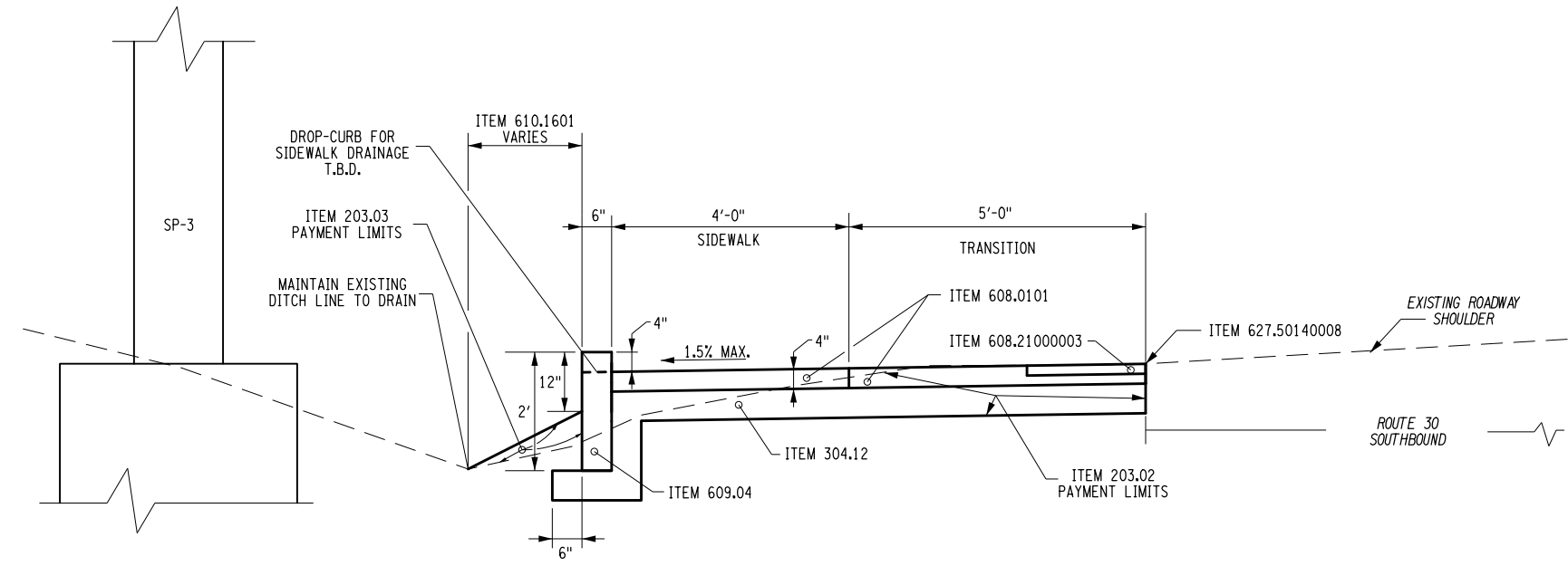
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 CHECK
 DRAFTING
 CHECK
 DESIGN M. JONES
 JOB MANAGER K. REILLY
 DESIGN SUPERVISOR J. TIBBITTS



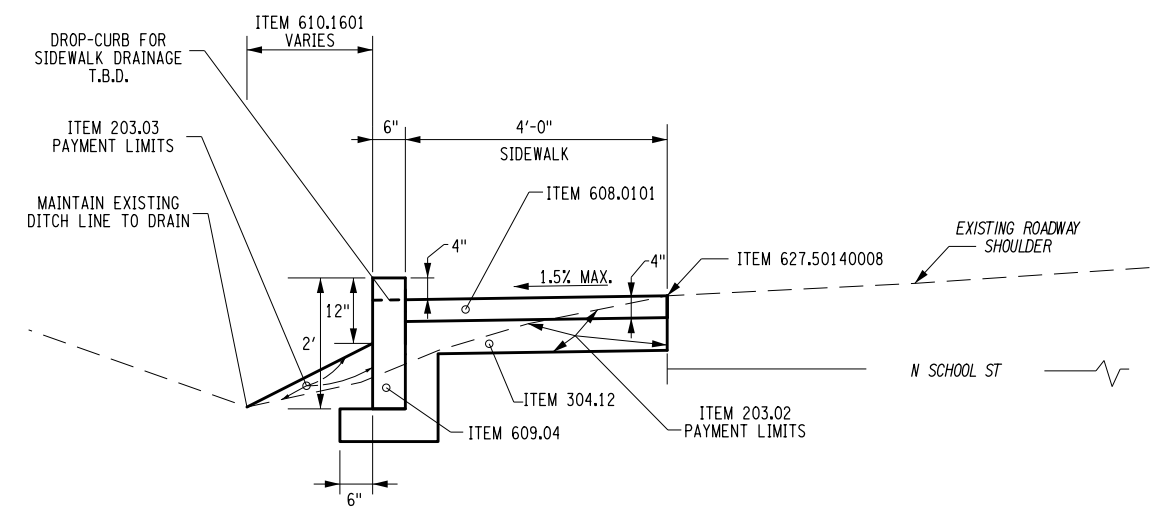
DETAIL 1
 SEE DRAWING NO. TSP-11 FOR LOCATION



DETAIL 3
 SEE DRAWING NO. TSP-11 FOR LOCATION



DETAIL 2
 SEE DRAWING NO. TSP-11 FOR LOCATION



DETAIL 4
 SEE DRAWING NO. TSP-11 FOR LOCATION

SITE 4-MAYFIELD
 SIDEWALK/CURBING DETAILS

AFFIX SEAL:
 ON:

ALTERED BY:
 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409,	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	TRAFFIC SIGNAL PLAN SITE 4 - MAYFIELD PEDESTRIAN ACCOMMODATIONS DETAILS	CONTRACT NUMBER D263402
	S.H. 5194, S.H. 5656A, S.H. C67004						DRAWING NO. TSP-14 SHEET NO. 30
	RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20						
COUNTY: VARIOUS	REGION: 02	UTILITY QUALITY LEVEL B					

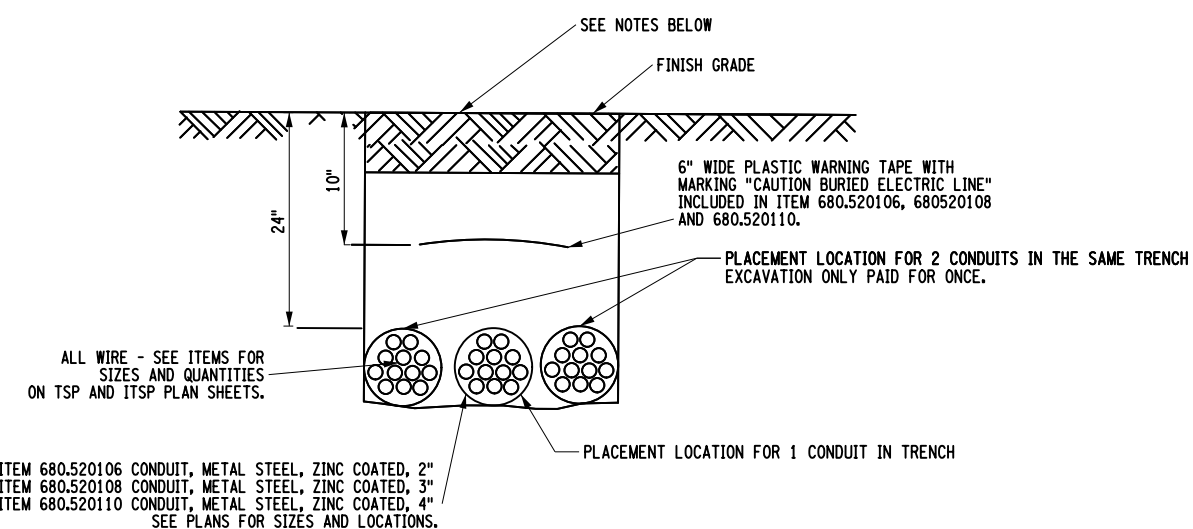
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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



FILE NAME = 280573_cph-rsd_01.dgn
 DATE/TIME = 13-JAN-2017 14:07
 USER = jkupris

PROJECT MANAGER
 CHECK
 DRAFTING
 CHECK
 DESIGN M. JONES
 JOB MANAGER K. REILLY
 DESIGN SUPERVISOR J. TIBBITTS

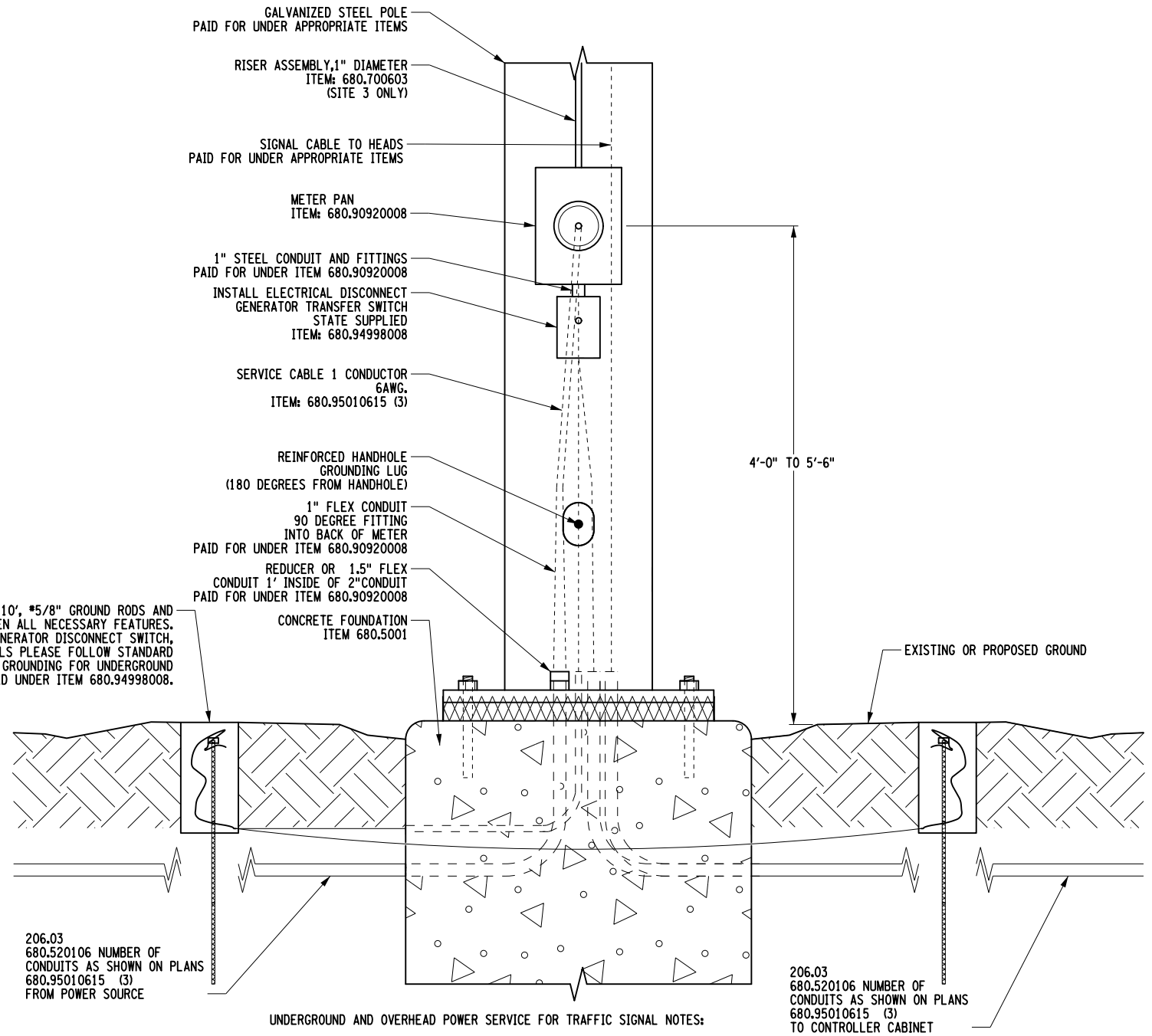
UNDERGROUND AND OVERHEAD POWER SERVICE FOR TRAFFIC SIGNAL DETAIL



TRENCH DETAILS FOR PLACEMENT OF TRAFFIC SIGNAL, VMS AND CCTV CONDUIT
 ITEM 206.03
 (NO SCALE)

- CONDUIT, PULLBOX, CAST IRON JUNCTION BOX NOTES:
 WHEN WORKING IN AN AREA NOT OTHERWISE DISTURBED BY THE CONTRACT WORK, THE FOLLOWING APPLY:
- 1.) AREA UNDER TRENCH SHALL BE RESTORED TO ORIGINAL CONDITION. THIS MAY INCLUDE SEEDING AND TOPSOIL; ALL ROCKS SHALL BE REMOVED FROM THIS AREA.
 - 2.) IF THE AREA DISTURBED BY THE TRENCHING IS ON EXISTING SEEDED AREA, THE TOP 4" OF TRENCH BACK FILL SHALL BE TOPSOIL AND THE SURFACE SHALL BE SEEDED.
 - 3.) OTHER AREAS (ASPHALT, CONCRETE, ETC.) SHALL BE REPLACED IN KIND WITH THICKNESS MATCHING EXISTING MATERIALS.
 - 4.) WHEN WORKING IN AN AREA TO BE SURFACE TREATED UNDER OTHER CONTRACT ITEMS, THE TRENCHING AND BACK FILL WILL BE PAID FOR UNDER ITEM 206.03 AND THE SURFACE TREATMENT UNDER SEPARATE CONTRACT ITEMS.

(2) PLASTIC GROUND CROCS, (2) 10', #5/8" GROUND RODS AND #4 BARE COPPER WIRELOOP BETWEEN ALL NECESSARY FEATURES. GROUND WIRE SHALL BE CONTINUOUS FROM GENERATOR DISCONNECT SWITCH, GROUNDING RODS. ANY ADDITIONAL DETAILS PLEASE FOLLOW STANDARD SHEETS AND NATIONAL ELECTRICAL CODES. GROUNDING FOR UNDERGROUND SERVICE TO BE INCLUDED UNDER ITEM 680.94998008.



- UNDERGROUND AND OVERHEAD POWER SERVICE FOR TRAFFIC SIGNAL NOTES:
1. THE CONTRACTOR WILL COORDINATE WITH THE UTILITY COMPANY FOR ELECTRIC SERVICE ORDER.
 2. INSTALL SERVICE ENTRANCE GROUND IN ACCORDANCE WITH NATIONAL ELECTRIC CODE. PROVIDE #4 BARE COPPER WIRELOOP BETWEEN GROUND RODS AND RISER LEAD TO LOAD CENTER. GROUND RODS SHALL BE 6'-0" MIN APART. GROUND RODS SHALL BE IN DIRECT EARTH CONTACT OF 10'-0" MIN.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES, INSPECTIONS NEEDED TO COMPLETE INSTALLATION OF LIGHTING METER CABINET.
 4. ALL CONDUITS SHALL HAVE 90 DEGREE FACTORY SWEEPS.
 5. ALL PARTS AND PIECES SHALL BE APPROVED BY THE EIC AND THE REGIONAL TRAFFIC SIGNAL ENGINEER.
 6. SEE 680 STANDARD SHEETS FOR ADDITIONAL INFORMATION AND DETAILS.

AFFIX SEAL:
ON:

ALTERED BY:
ON:

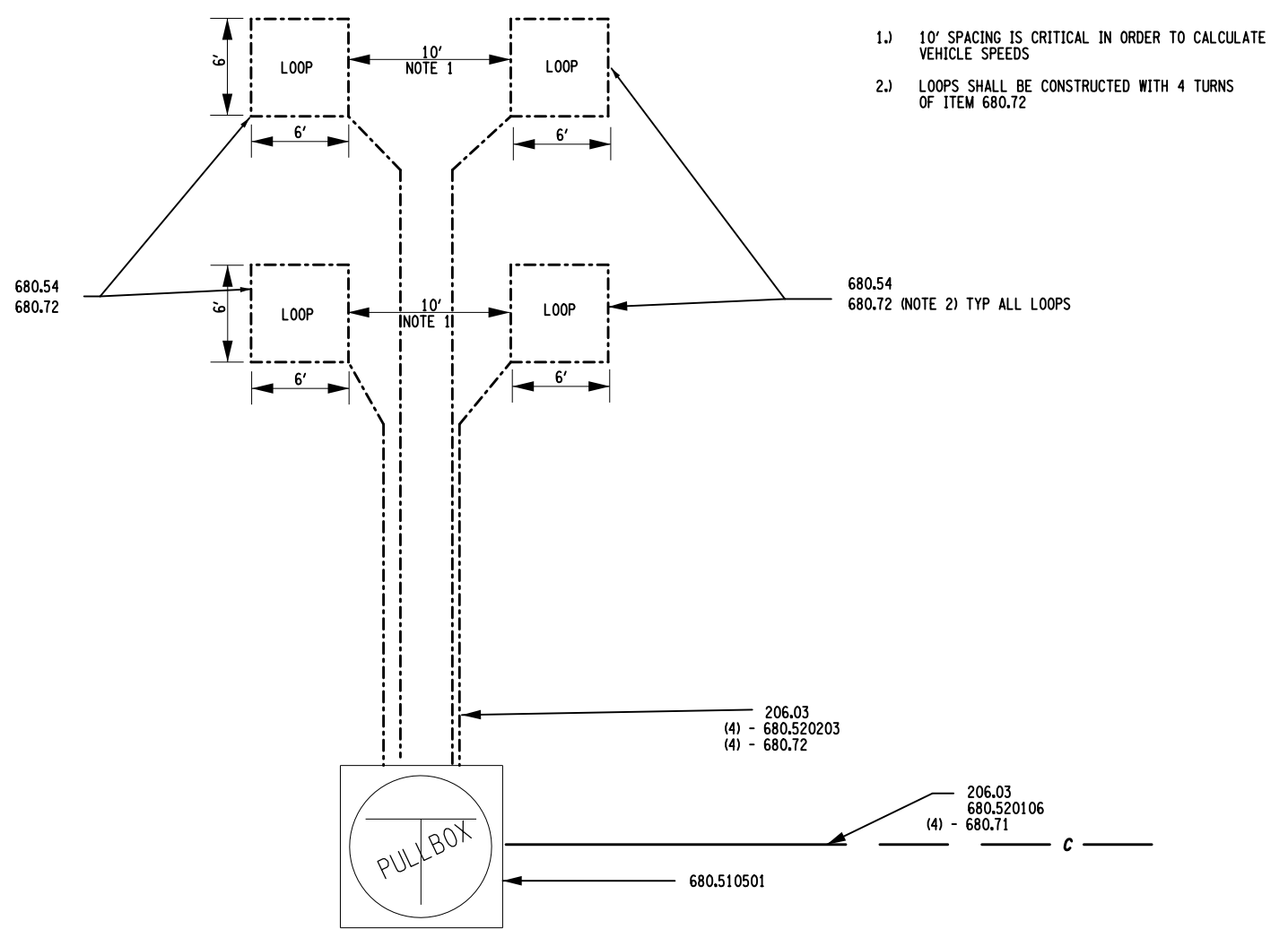
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409,	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	S.H. 5194, S.H. 5656A, S.H. C67004					
	RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20	UTILITY QUALITY LEVEL B			TRAFFIC SIGNAL DETAIL	DRAWING NO. TSD-1 SHEET NO. 31
	COUNTY: VARIOUS REGION: 02					

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



FILE NAME = 280573_cph_rsd_02.dgn
 DATE/TIME = 13-JAN-2017 14:08
 USER = jkupris

DESIGN SUPERVISOR J. TIBBITTS
 JOB MANAGER K. REILLY
 DESIGN M. JONES
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 DRAFTING
 CHECK
 PROJECT MANAGER



ADVANCE DETECTION LOOP
 ITEM BREAKDOWNS

AFFIX SEAL: ON:	ALTERED BY: ON:

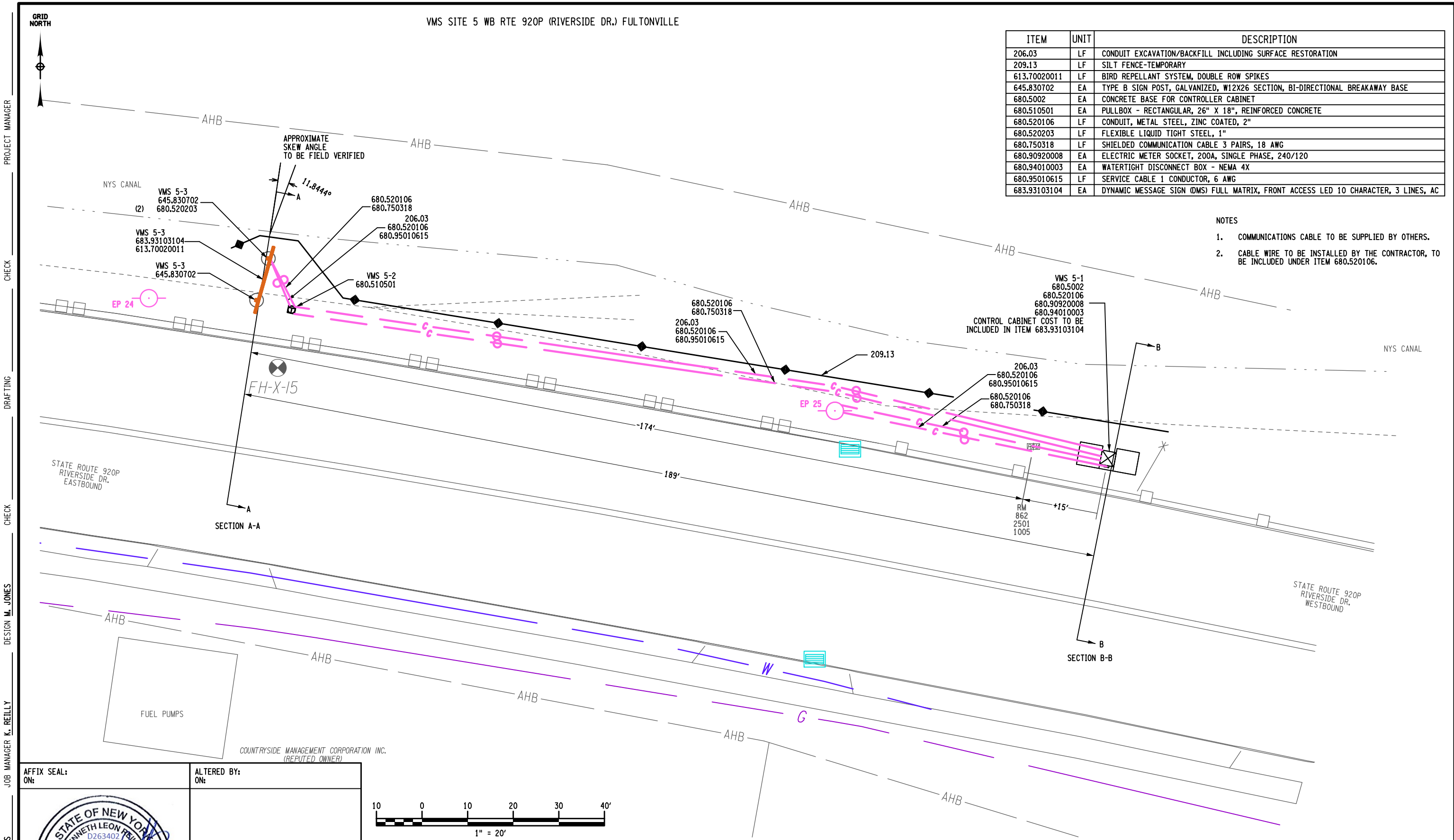
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409, S.H. 5194, S.H. 5656A, S.H. C67004	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED TRAFFIC SIGNAL DETAILS	CONTRACT NUMBER D263402
	RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20 COUNTY: VARIOUS REGION: 02	UTILITY QUALITY LEVEL B				DRAWING NO. TSD-2 SHEET NO. 32
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.						

VMS SITE 5 WB RTE 920P (RIVERSIDE DR.) FULTONVILLE

ITEM	UNIT	DESCRIPTION
206.03	LF	CONDUIT EXCAVATION/BACKFILL INCLUDING SURFACE RESTORATION
209.13	LF	SILT FENCE-TEMPORARY
613.70020011	LF	BIRD REPELLANT SYSTEM, DOUBLE ROW SPIKES
645.830702	EA	TYPE B SIGN POST, GALVANIZED, W12X26 SECTION, BI-DIRECTIONAL BREAKAWAY BASE
680.5002	EA	CONCRETE BASE FOR CONTROLLER CABINET
680.510501	EA	PULLBOX - RECTANGULAR, 26" X 18", REINFORCED CONCRETE
680.520106	LF	CONDUIT, METAL STEEL, ZINC COATED, 2"
680.520203	LF	FLEXIBLE LIQUID TIGHT STEEL, 1"
680.750318	LF	SHIELDED COMMUNICATION CABLE 3 PAIRS, 18 AWG
680.90920008	EA	ELECTRIC METER SOCKET, 200A, SINGLE PHASE, 240/120
680.94010003	EA	WATERTIGHT DISCONNECT BOX - NEMA 4X
680.95010615	LF	SERVICE CABLE 1 CONDUCTOR, 6 AWG
683.93103104	EA	DYNAMIC MESSAGE SIGN (DMS) FULL MATRIX, FRONT ACCESS LED 10 CHARACTER, 3 LINES, AC

NOTES

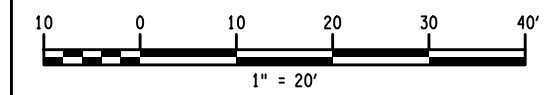
1. COMMUNICATIONS CABLE TO BE SUPPLIED BY OTHERS.
2. CABLE WIRE TO BE INSTALLED BY THE CONTRACTOR, TO BE INCLUDED UNDER ITEM 680.520106.



PROJECT MANAGER
 CHECK
 DRAFTING
 CHECK
 DESIGN M. JONES
 JOB MANAGER K. REILLY
 DESIGN SUPERVISOR J. TIBBITTS

FILE NAME = 280573_cph_e1_itfsp_vms_pfh.dgn
 DATE/TIME = 13-JAN-2017 15:17
 USER = jtibbits

AFFIX SEAL: ON:	ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ROUTE 920P	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	RIVERSIDE DR.-S.H. 5656A	UTILITY QUALITY LEVEL B				VMS PLAN SITE 5- FULTONVILLE VMS
	VILLAGE OF FULTONVILLE					
	COUNTY: MONTGOMERY	REGION: 02				

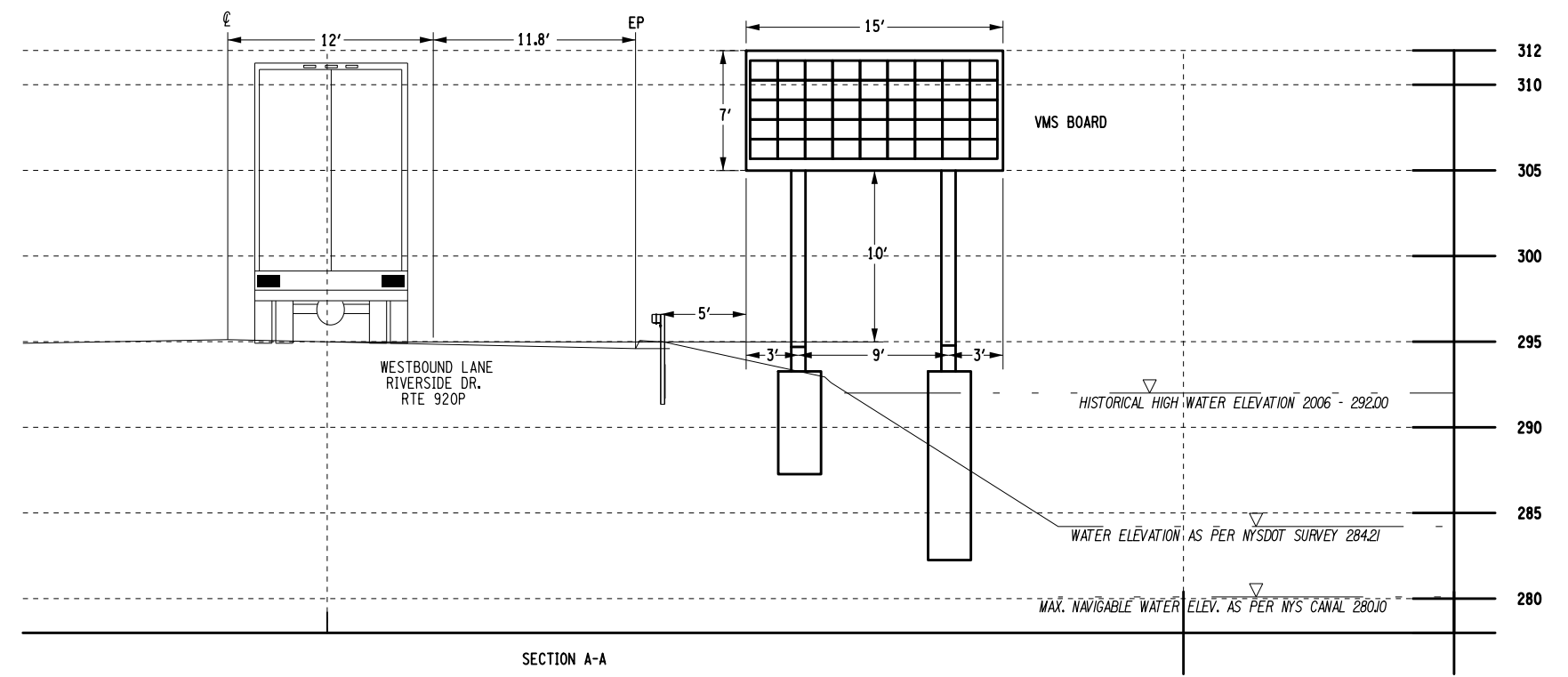
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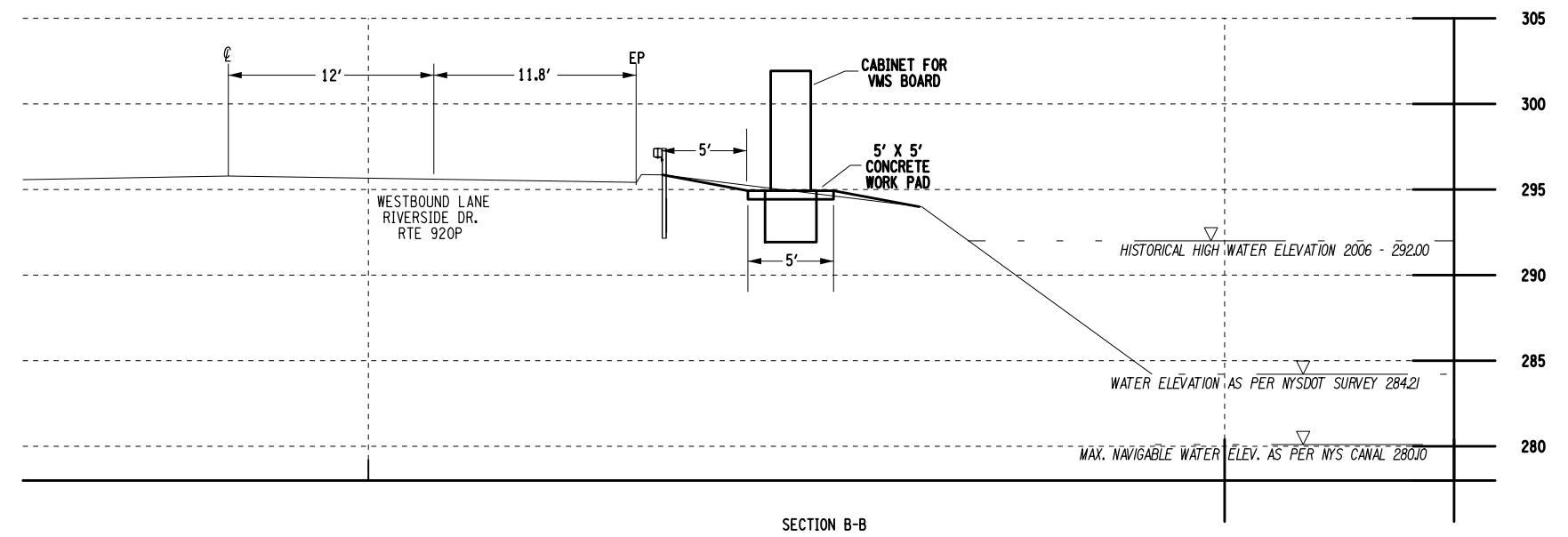
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 USER = jkupris

DESIGN SUPERVISOR J. TIBBITTS
 JOB MANAGER K. REILLY
 DESIGN M. JONES
 CHECK
 DRAFTING
 CHECK
 PROJECT MANAGER

CROSS SECTION AT VMS BOARD
 RM 862 2501 1005 - 174'



CROSS SECTION AT CABINET
 RM 862 2501 1005 + 15'



AFFIX SEAL:
ON:

ALTERED BY:
ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

ROUTE 920P	PIN 2805.73
RIVERSIDE DR.-S.H. 5656A	UTILTY QUALITY LEVEL B
VILLAGE OF FULTONVILLE	
COUNTY: MONTGOMERY	REGION: 02

BRIDGES	CULVERTS
---------	----------

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

ITS PLAN
 SITE 5- FULTONVILLE VMS
 ELEVATION VIEWS


CONTRACT NUMBER
D263402

DRAWING NO. ITSP-2
SHEET NO. 34

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.



PROPOSED ITS TABLE																	
PIN 2805.73 PROJECT NAME: TRAFFIC SYSTEMS IMPROVEMENT PROJECT 16																	
TABLE IS IN FEET																	
SITE	DRAWING NUMBER	ITS FEATURE LOCATION AS NUMBERED ON PLANS	NEXT ITS FEATURE TO TIE INTO AS NUMBERED IN PLANS	ITEM 206.03	ITEM 680.520106	ITEM 680.520203	ITEM 680.510601	ITEM 680.5002	ITEM 680.90920008	ITEM 680.510601	ITEM 680.94010003	ITEM 645.830702	ITEM 683.93103104	ITEM 680.750318	ITEM 680.95010615	ITEM 613.70020011	
				CONDUIT EXCAVATION	CONDUIT, METAL STEEL, ZINC COATED, 2"	TRAFFIC SIGNAL CONDUIT, FLEXIBLE LIQUID TIGHT STEEL, 1"	PULL BOX - RECTANGULAR, 26" X 18", REINFORCED CONCRETE	CONCRETE BASE FOR CONTROLLER CABINET	ELECTRIC METER SOCKET, 200 AMP, SINGLE PHASE, 240/120 VOLT W/ BYPASS SWITCH FOR SIGNAL INSTALLATIONS	WATERTIGHT DISCONNECT BOX - NEMA 4X	TYPE B SIGN POST, GALVANIZED, W12X26 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	DYNAMIC MESSAGE SIGN (DMS) FULL MATRIX, FRONT ACCESSED 10 CHARACTER, 3 LINES, AC	SHIELDED COMMUNICATION CABLE 3 PAIRS, 18 AWG	(X) ACTUAL WIRES IN CONDUIT (TOTAL DIVIDED BY X)	SERVICE CABLE 1 CONDUCTOR, 6AWG	BIRD REPELLANT SYSTEM, DOUBLE ROW SPIKES	
				FEET	FEET	FEET	EACH	EACH	EACH	EACH	EACH	EACH	FEET	FEET	FEET	LF	
5	ITSP-1	EP 25	VMS 5-1	60	70										3	300	
5	ITSP-1	EP 25	VMS 5-1		70								XX				
5	ITSP-1	VMS 5-1	VMS 5-2	180	180			1	1	1				3	600		
5	ITSP-1	VMS 5-1	VMS 5-2		180								200				
5	ITSP-1	VMS 5-2	VMS 5-3	13	13		1							3	60		
5	ITSP-1	VMS 5-2	VMS 5-3		13								20				
5	ITSP-1	VMS 5-3				20						2	1	3	60		15
5	ITSP-1	VMS 5-3				20							20				
			TOTAL	253	526	40	1	1	1	1	2	1	240		1020		15
<p>CONDUITS FROM THE UTILITY POLE TO THE CABINET BASE SHALL BE PLACED IN THE SAME TRENCH AT EACH SIDE. (2) 2 INCH CONDUITS SHALL BE PLACED BETWEEN THE LOCATIONS STATED.</p>																	
<p>CONDUITS FROM THE CABINET BASE TO THE MESSAGE BOARD SHALL BE PLACED IN THE SAME TRENCH AT EACH SIDE. (2) 2 INCH CONDUITS SHALL BE PLACED BETWEEN THE LOCATIONS STATED.</p>																	
<p>XX - WIRE SHALL BE SUPPLIED BY TIME WARNER CABLE, THE CONTRACTOR SHALL PLACE WIRE TO BE PAID FOR UNDER CONDUIT ITEM 680.520106.</p>																	
<p>RISERS LOCATED AT THE UTILITY POLE SHALL HAVE FACTORY SWEEPS AND CONDUIT 10 FEET ABOVE GROUND WITH FOUR (4) STEEL CONDUITS CLAMPS AND BUSHINGS TO BE PAID FOR UNDER ITEM 680.520106.</p>																	

AFFIX SEAL: ON:	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ROUTE 920P RIVERSIDE DR.-S.H. 5656A VILLAGE OF FULTONVILLE COUNTY: MONTGOMERY REGION: 02	PIN 2805.73 UTILITY QUALITY LEVEL B	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED ITS PLAN SITE 5 - FULTONVILLE VMS QUANTITY TABLE	CONTRACT NUMBER D263402 DRAWING NO. ITSP-3 SHEET NO. 35
<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>						



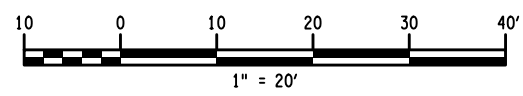
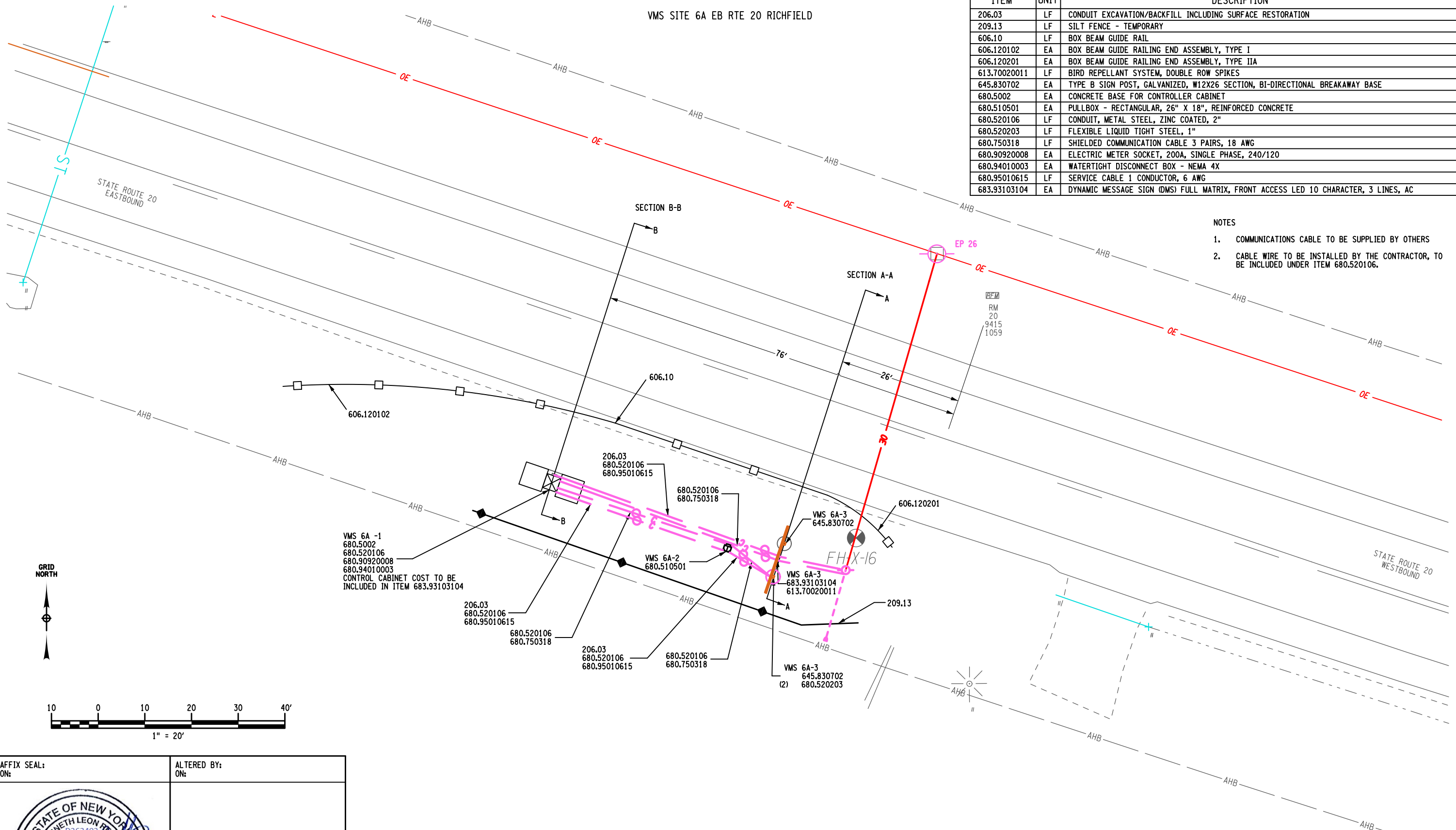
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 USER = jrbibbitts

DESIGN SUPERVISOR: J. TIBBITTS
 JOB MANAGER: K. REILLY
 DESIGN: M. JONES
 CHECK: [blank]
 DRAFTING: [blank]
 CHECK: [blank]
 PROJECT MANAGER: [blank]

VMS SITE 6A EB RTE 20 RICHFIELD

ITEM	UNIT	DESCRIPTION
206.03	LF	CONDUIT EXCAVATION/BACKFILL INCLUDING SURFACE RESTORATION
209.13	LF	SILT FENCE - TEMPORARY
606.10	LF	BOX BEAM GUIDE RAIL
606.120102	EA	BOX BEAM GUIDE RAILING END ASSEMBLY, TYPE I
606.120201	EA	BOX BEAM GUIDE RAILING END ASSEMBLY, TYPE IIA
613.70020011	LF	BIRD REPELLANT SYSTEM, DOUBLE ROW SPIKES
645.830702	EA	TYPE B SIGN POST, GALVANIZED, W12X26 SECTION, BI-DIRECTIONAL BREAKAWAY BASE
680.5002	EA	CONCRETE BASE FOR CONTROLLER CABINET
680.510501	EA	PULLBOX - RECTANGULAR, 26" X 18", REINFORCED CONCRETE
680.520106	LF	CONDUIT, METAL STEEL, ZINC COATED, 2"
680.520203	LF	FLEXIBLE LIQUID TIGHT STEEL, 1"
680.750318	LF	SHIELDED COMMUNICATION CABLE 3 PAIRS, 18 AWG
680.90920008	EA	ELECTRIC METER SOCKET, 200A, SINGLE PHASE, 240/120
680.94010003	EA	WATERTIGHT DISCONNECT BOX - NEMA 4X
680.95010615	LF	SERVICE CABLE 1 CONDUCTOR, 6 AWG
683.93103104	EA	DYNAMIC MESSAGE SIGN (DMS) FULL MATRIX, FRONT ACCESS LED 10 CHARACTER, 3 LINES, AC

- NOTES
1. COMMUNICATIONS CABLE TO BE SUPPLIED BY OTHERS
 2. CABLE WIRE TO BE INSTALLED BY THE CONTRACTOR, TO BE INCLUDED UNDER ITEM 680.520106.



AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	US ROUTE 20	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	S.H. 1409	UTILITY QUALITY LEVEL B				
	TOWN OF RICHFIELD				VMS PLAN SITE 6A- RICHFIELD EASTBOUND VMS	DRAWING NO. ITSP-4
	COUNTY: OTSEGO	REGION: 09				SHEET NO. 36

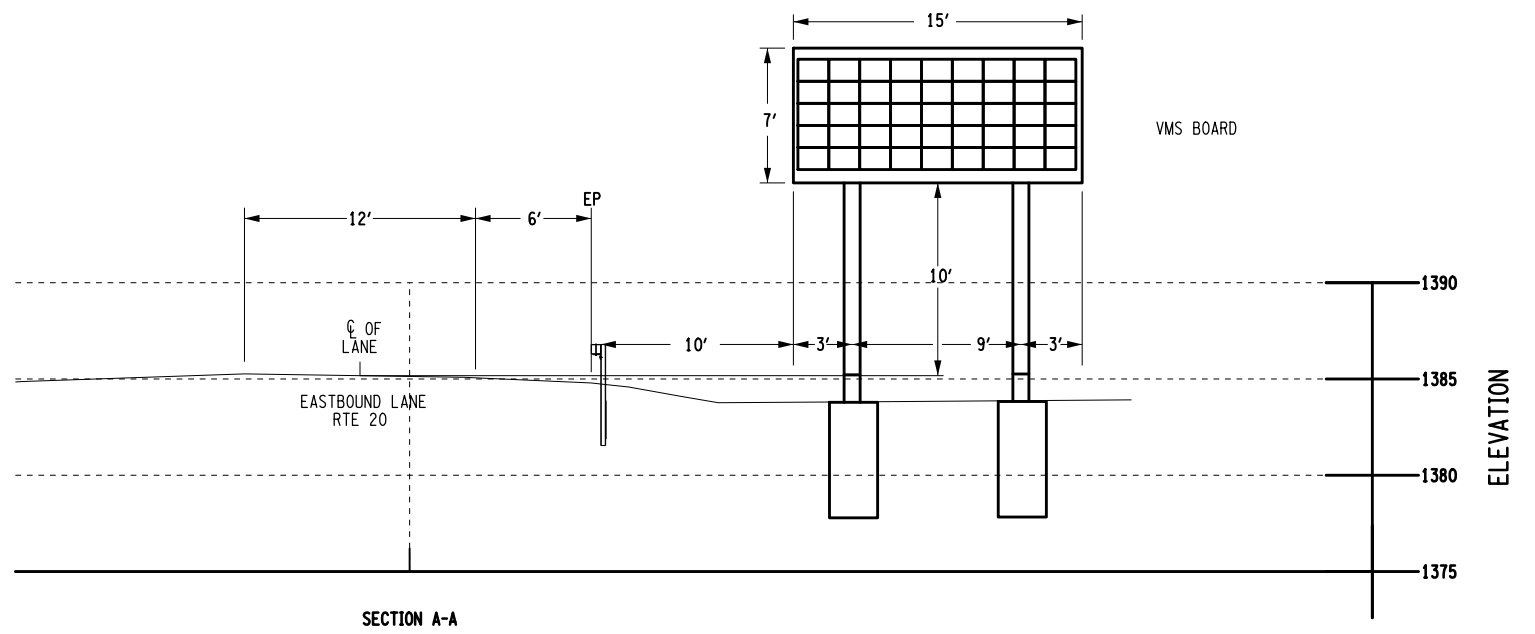
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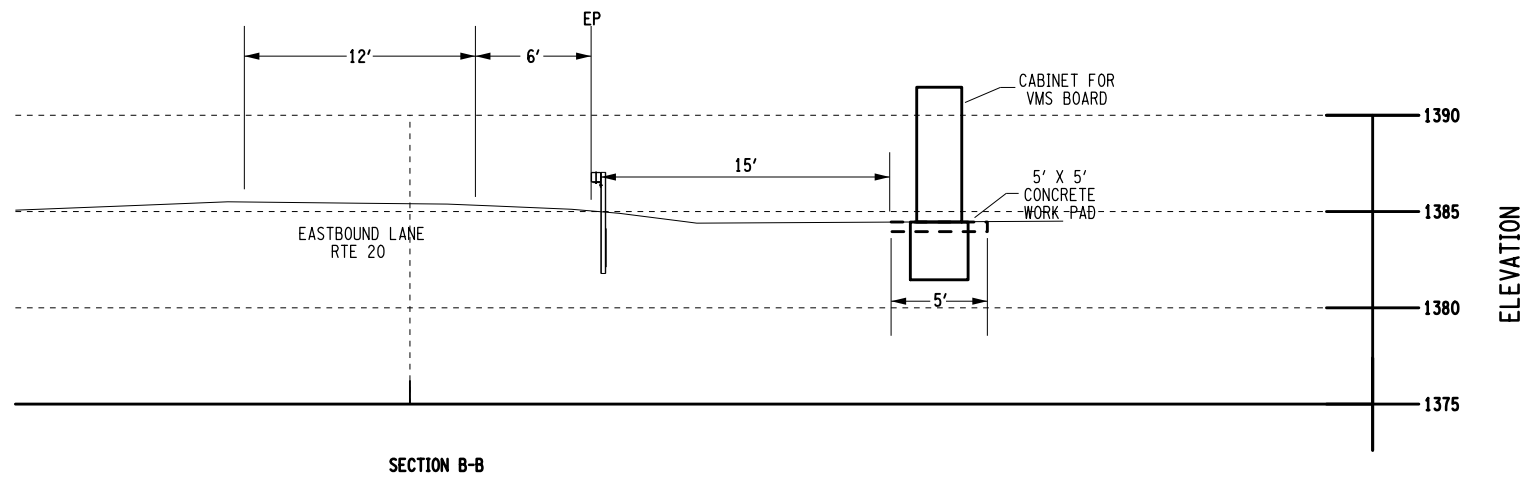
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 DATE/TIME = 13-JAN-2017 14:08
 USER = jkprts

DESIGN SUPERVISOR J. TIBBITTS
 JOB MANAGER K. REILLY
 DESIGN M. JONES
 CHECK
 DRAFTING
 CHECK
 PROJECT MANAGER

CROSS SECTION AT VMS BOARD
 RM 20 9415 1059 - 26'



CROSS SECTION AT CABINET
 RM 20 9415 1059 - 76'



AFFIX SEAL:
ON:

ALTERED BY:
ON:




AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	US ROUTE 20	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	S.H. 1409	UTILITY QUALITY LEVEL B				ITS PLAN SITE 6A- RICHFIELD EASTBOUND VMS ELEVATION VIEWS
	TOWN OF RICHFIELD					
	COUNTY: OTSEGO	REGION: 09				

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PROPOSED ITS TABLE																	
PIN 2805.73 PROJECT NAME: TRAFFIC SYSTEMS IMPROVEMENT PROJECT 16																	
TABLE IS IN FEET																	
SITE	DRAWING NUMBER	ITS FEATURE LOCATION AS NUMBERED ON PLANS	NEXT ITS FEATURE TO TIE INTO AS NUMBERED IN PLANS	ITEM 206.03 CONDUIT EXCAVATION FEET	ITEM 680.520106 CONDUIT, METAL STEEL, ZINC COATED, 2" FEET	ITEM 680.520203 TRAFFIC SIGNAL CONDUIT, FLEXIBLE LIQUID TIGHT STEEL, 1" FEET	ITEM 680.510501 PULL BOX - RECTANGULAR, 26" X 18", REINFORCED CONCRETE EACH	ITEM 680.5002 CONCRETE BASE FOR CONTROLLER CABINET EACH	ITEM 680.90920008 ELECTRIC METER SOCKET, 200 AMP, SINGLE PHASE, 240/120 VOLT W/ BYPASS SWITCH FOR SIGNAL INSTALLATIONS EACH	ITEM 680.94010003 WATERTIGHT DISCONNECT BOX - NEMA 4X EACH	ITEM 645.830702 TYPE B SIGN POST, GALVANIZED, W12X26 SECTION, BI-DIRECTIONAL BREAKAWAY BASE EACH	ITEM 683.93103104 DYNAMIC MESSAGE SIGN (DMS) FULL MATRIX, FRONT ACCESS LED 10 CHARACTER, 3 LINES, AC EACH	ITEM 680.750318 SHIELDED COMMUNICATION CABLE 3 PAIRS, 18 AWG FEET	(X) ACTUAL WIRES IN CONDUIT (TOTAL DIVIDED BY X) FEET	ITEM 680.95010615 SERVICE CABLE 1 CONDUCTOR, 6AWG FEET	ITEM 613.70020011 BIRD REPELLANT SYSTEM, DOUBLE ROW SPIKES LF	
6A	ITSP-4	PROPOSED POLE	VMS 6A-1	65	75										3	315	
6A	ITSP-4	PROPOSED POLE	VMS 6A-1		75								XX				
6A	ITSP-4	VMS 6A-1	VMS 6A-2	38	38			1	1	1				3	174		
6A	ITSP-4	VMS 6A-1	VMS 6A-2		38								58				
6A	ITSP-4	VMS 6A-2	VMS 6A-3	11	11		1							3	93		
6A	ITSP-4	VMS 6A-2	VMS 6A-3		11								31				
6A	ITSP-4	VMS 6A-3				20					2	1		3	60	15	
6A	ITSP-4	VMS 6A-3				20							20				
			TOTAL	114	248	40	1	1	1	1	2	1	109		642	15	
<p>CONDUITS FROM THE UTILITY POLE TO THE CABINET BASE SHALL BE PLACED IN THE SAME TRENCH AT EACH SIDE. (2) 2 INCH CONDUITS SHALL BE PLACED BETWEEN THE LOCATIONS STATED.</p>																	
<p>CONDUITS FROM THE CABINET BASE TO THE MESSAGE BOARD SHALL BE PLACED IN THE SAME TRENCH AT EACH SIDE. (2) 2 INCH CONDUITS SHALL BE PLACED BETWEEN THE LOCATIONS STATED.</p>																	
<p>XX - WIRE SHALL BE SUPPLIED BY TIME WARNER CABLE, THE CONTRACTOR SHALL PLACE WIRE TO BE PAID FOR UNDER CONDUIT ITEM 680.520106.</p>																	
<p>RISERS LOCATED AT THE UTILITY POLE SHALL HAVE FACTORY SWEEPS AND CONDUIT 10 FEET ABOVE GROUND WITH FOUR (4) STEEL CONDUITS CLAMPS AND BUSHINGS TO BE PAID FOR UNDER ITEM 680.520106.</p>																	

AFFIX SEAL: ON:	ALTERED BY: ON:
	

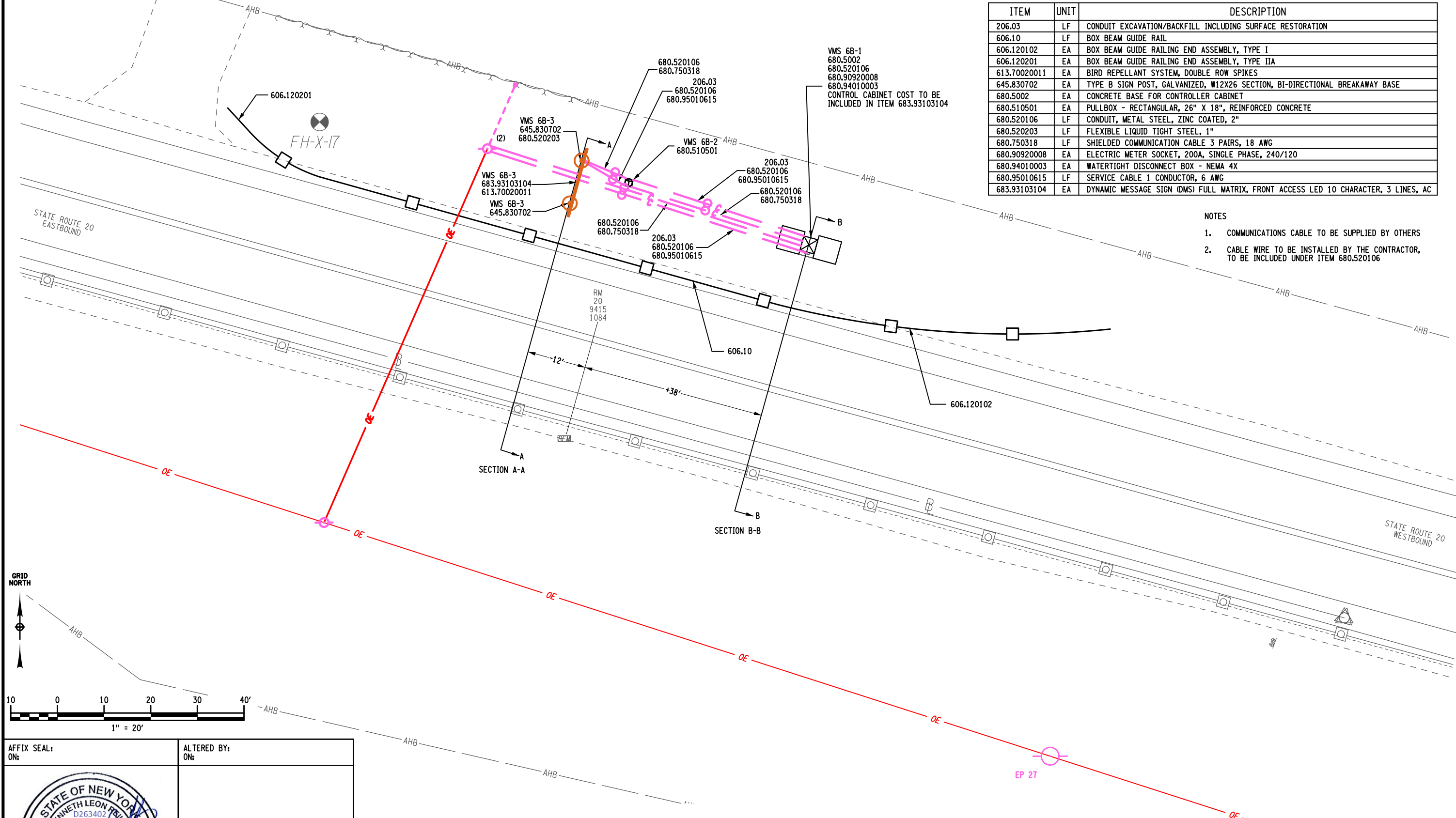
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	US ROUTE 20 S.H. 1409 TOWN OF RICHFIELD COUNTY: OTSEGO REGION: 09	PIN 2805.73 UTILITY QUALITY LEVEL B	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED ITS PLAN SITE 6A - RICHFIELD EASTBOUND VMS QUANTITY TABLE	CONTRACT NUMBER D263402 DRAWING NO. ITSP-6 SHEET NO. 38
<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>						



VMS SITE 6B WB RTE 20 RICHFIELD

ITEM	UNIT	DESCRIPTION
206.03	LF	CONDUIT EXCAVATION/BACKFILL INCLUDING SURFACE RESTORATION
606.10	LF	BOX BEAM GUIDE RAIL
606.120102	EA	BOX BEAM GUIDE RAILING END ASSEMBLY, TYPE I
606.120201	EA	BOX BEAM GUIDE RAILING END ASSEMBLY, TYPE IIA
613.70020011	EA	BIRD REPELLANT SYSTEM, DOUBLE ROW SPIKES
645.830702	EA	TYPE B SIGN POST, GALVANIZED, W12X26 SECTION, BI-DIRECTIONAL BREAKAWAY BASE
680.5002	EA	CONCRETE BASE FOR CONTROLLER CABINET
680.510501	EA	PULLBOX - RECTANGULAR, 26" X 18", REINFORCED CONCRETE
680.520106	LF	CONDUIT, METAL STEEL, ZINC COATED, 2"
680.520203	LF	FLEXIBLE LIQUID TIGHT STEEL, 1"
680.750318	LF	SHIELDED COMMUNICATION CABLE 3 PAIRS, 18 AWG
680.90920008	EA	ELECTRIC METER SOCKET, 200A, SINGLE PHASE, 240/120
680.94010003	EA	WATERTIGHT DISCONNECT BOX - NEMA 4X
680.95010615	LF	SERVICE CABLE 1 CONDUCTOR, 6 AWG
683.93103104	EA	DYNAMIC MESSAGE SIGN (DMS) FULL MATRIX, FRONT ACCESS LED 10 CHARACTER, 3 LINES, AC

- NOTES
1. COMMUNICATIONS CABLE TO BE SUPPLIED BY OTHERS
 2. CABLE WIRE TO BE INSTALLED BY THE CONTRACTOR, TO BE INCLUDED UNDER ITEM 680.520106



AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	US ROUTE 20	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	S.H. 219	UTILITY QUALITY LEVEL B				
	TOWN OF RICHFIELD				ITS PLAN SITE 6B- RICHFIELD WESTBOUND VMS	DRAWING NO. ITSP-7
	COUNTY: OTSEGO	REGION: 09				SHEET NO. 39

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



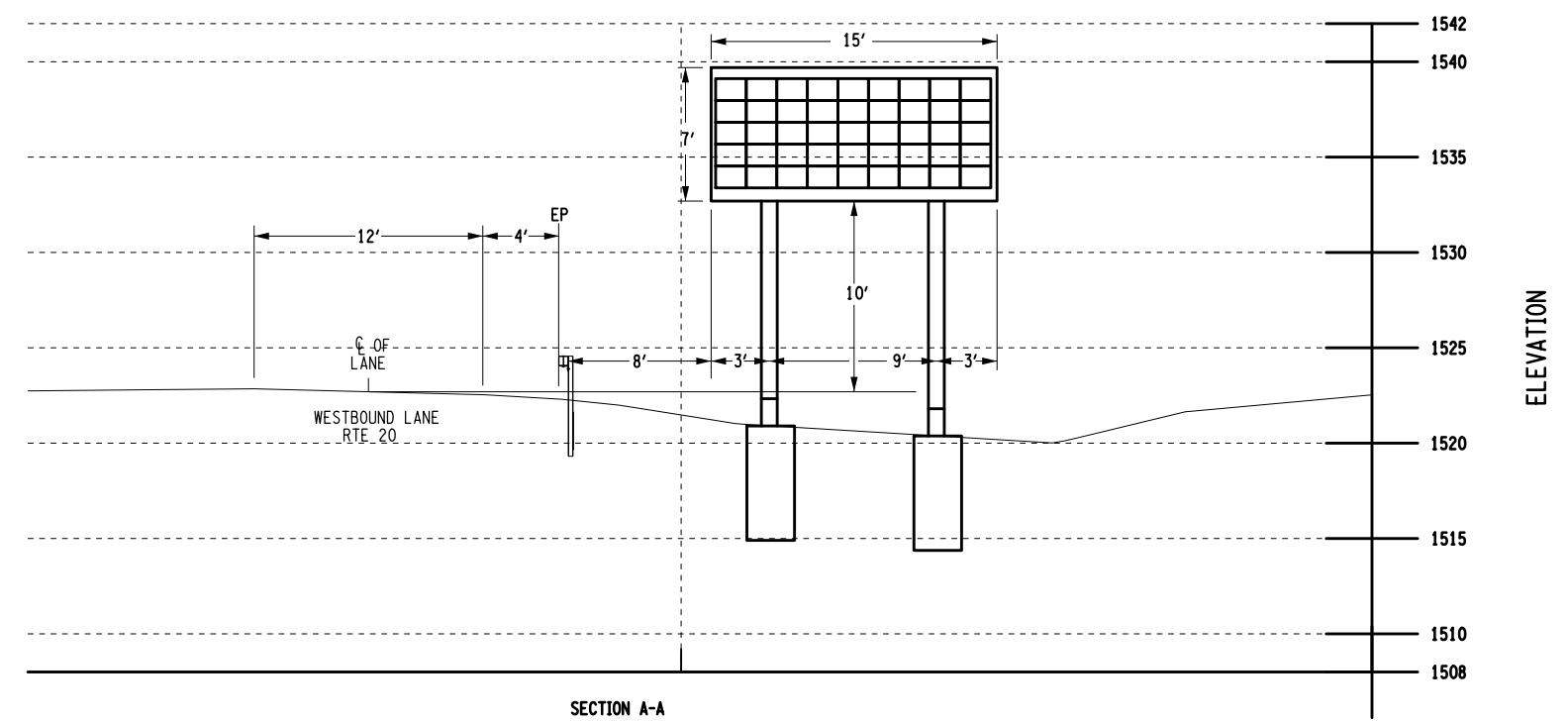
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PROJECT MANAGER
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DRAFTING
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DESIGN M. JONES
JOB MANAGER K. REILLY
DESIGN SUPERVISOR J. TIBBITTS

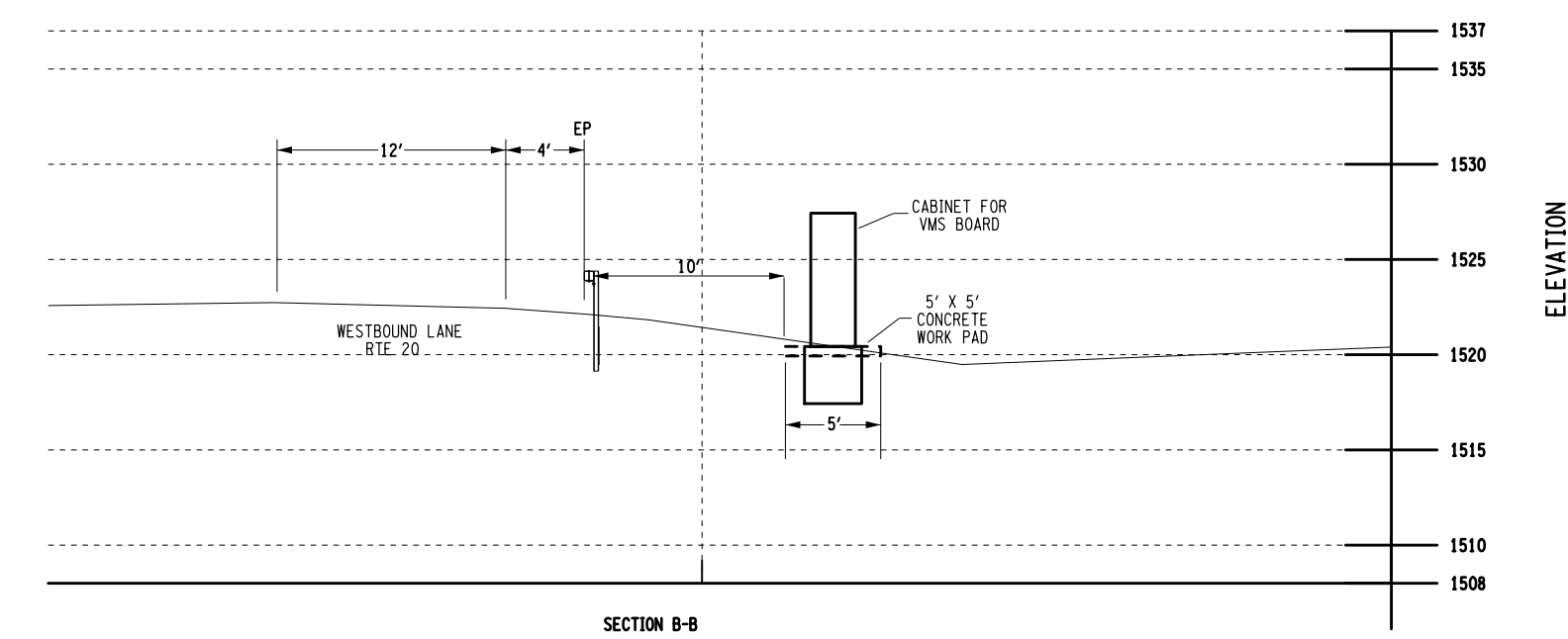
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 USER = jkupris

DESIGN SUPERVISOR J. TIBBITTS
 JOB MANAGER K. REILLY
 DESIGN M. JONES
 CHECK
 DRAFTING
 CHECK
 PROJECT MANAGER

CROSS SECTION AT VMS BOARD
 RM 20 9415 1084 - 12'



CROSS SECTION AT CABINET
 RM 20 9415 1084 + 38'



AFFIX SEAL:
ON:

ALTERED BY:
ON:





AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	US ROUTE 20	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	S.H. 219	UTILITY QUALITY LEVEL B				
	TOWN OF RICHFIELD				ITS PLAN SITE 6B- RICHFIELD WESTBOUND VMS ELEVATION VIEWS	DRAWING NO. ITSP-8 SHEET NO. 40
	COUNTY: OTSEGO	REGION: 09				

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.



PROPOSED ITS TABLE																
PIN 2805.73 PROJECT NAME: TRAFFIC SYSTEMS IMPROVEMENT PROJECT 16																
TABLE IS IN FEET																
SITE	DRAWING NUMBER	ITS FEATURE LOCATION AS NUMBERED ON PLANS	NEXT ITS FEATURE TO TIE INTO AS NUMBERED IN PLANS	ITEM 206.03 CONDUIT EXCAVATION	ITEM 680.520106 CONDUIT, METAL STEEL, ZINC COATED, 2"	ITEM 680.520203 TRAFFIC SIGNAL CONDUIT, FLEXIBLE LIQUID TIGHT STEEL, 1"	ITEM 680.510501 PULL BOX - RECTANGULAR, 26" X 18", REINFORCED CONCRETE	ITEM 680.5002 CONCRETE BASE FOR CONTROLLER CABINET	ITEM 680.90920008 ELECTRIC METER SOCKET, 200 AMP, SINGLE PHASE, 240/120 VOLT W/ BYPASS SWITCH FOR SIGNAL INSTALLATIONS	ITEM 680.94010003 WATERTIGHT DISCONNECT BOX - NEMA 4X	ITEM 645.830702 TYPE B SIGN POST, GALVANIZED, W12X26 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	ITEM 683.93103104 DYNAMIC MESSAGE SIGN (DMS) FULL MATRIX, FRONT ACCESS LED 10 CHARACTER, 3 LINES, AC	ITEM 680.750318 SHIELDED COMMUNICATION CABLE 3 PAIRS, 18 AWG	(X) ACTUAL WIRES IN CONDUIT (TOTAL DIVIDED BY X)	ITEM 680.95010615 SERVICE CABLE 1 CONDUCTOR, 6AWG	ITEM 613.70020011 BIRD REPELLANT SYSTEM, DOUBLE ROW SPIKES
				FEET	FEET	FEET	EACH	EACH	EACH	EACH	EACH	EACH	FEET	FEET	LF	
6B	ITSP-7	PROPOSED POLE	VMS 6B-1	72	82									3	336	
6B	ITSP-7	PROPOSED POLE	VMS 6B-1		82								XX			
6B	ITSP-7	VMS 6B-1	VMS 6B-2	39	38			1	1	1			59	3	177	
6B	ITSP-7	VMS 6B-1	VMS 6B-2		38											
6B	ITSP-7	VMS 6B-2	VMS 6B-3	10	10		1						30	3	90	
6B	ITSP-7	VMS 6B-2	VMS 6B-3		10											
6B	ITSP-7	VMS 6B-3				20					2	1		3	60	15
6B	ITSP-7	VMS 6B-3				20							20			
			TOTAL	121	260	40	1	1	1	1	2	1	109	663	15	
<p>CONDUITS FROM THE UTILITY POLE TO THE CABINET BASE SHALL BE PLACED IN THE SAME TRENCH AT EACH SIDE. (2) 2 INCH CONDUITS SHALL BE PLACED BETWEEN THE LOCATIONS STATED.</p> <p>CONDUITS FROM THE CABINET BASE TO THE MESSAGE BOARD SHALL BE PLACED IN THE SAME TRENCH AT EACH SIDE. (2) 2 INCH CONDUITS SHALL BE PLACED BETWEEN THE LOCATIONS STATED.</p> <p>XX - WIRE SHALL BE SUPPLIED BY TIME WARNER CABLE, THE CONTRACTOR SHALL PLACE WIRE TO BE PAID FOR UNDER CONDUIT ITEM 680.520106. RISERS LOCATED AT THE UTILITY POLE SHALL HAVE FACTORY SWEEPS AND CONDUIT 10 FEET ABOVE GROUND WITH FOUR (4) STEEL CONDUITS CLAMPS AND BUSHINGS TO BE PAID FOR UNDER ITEM 680.520106.</p>																

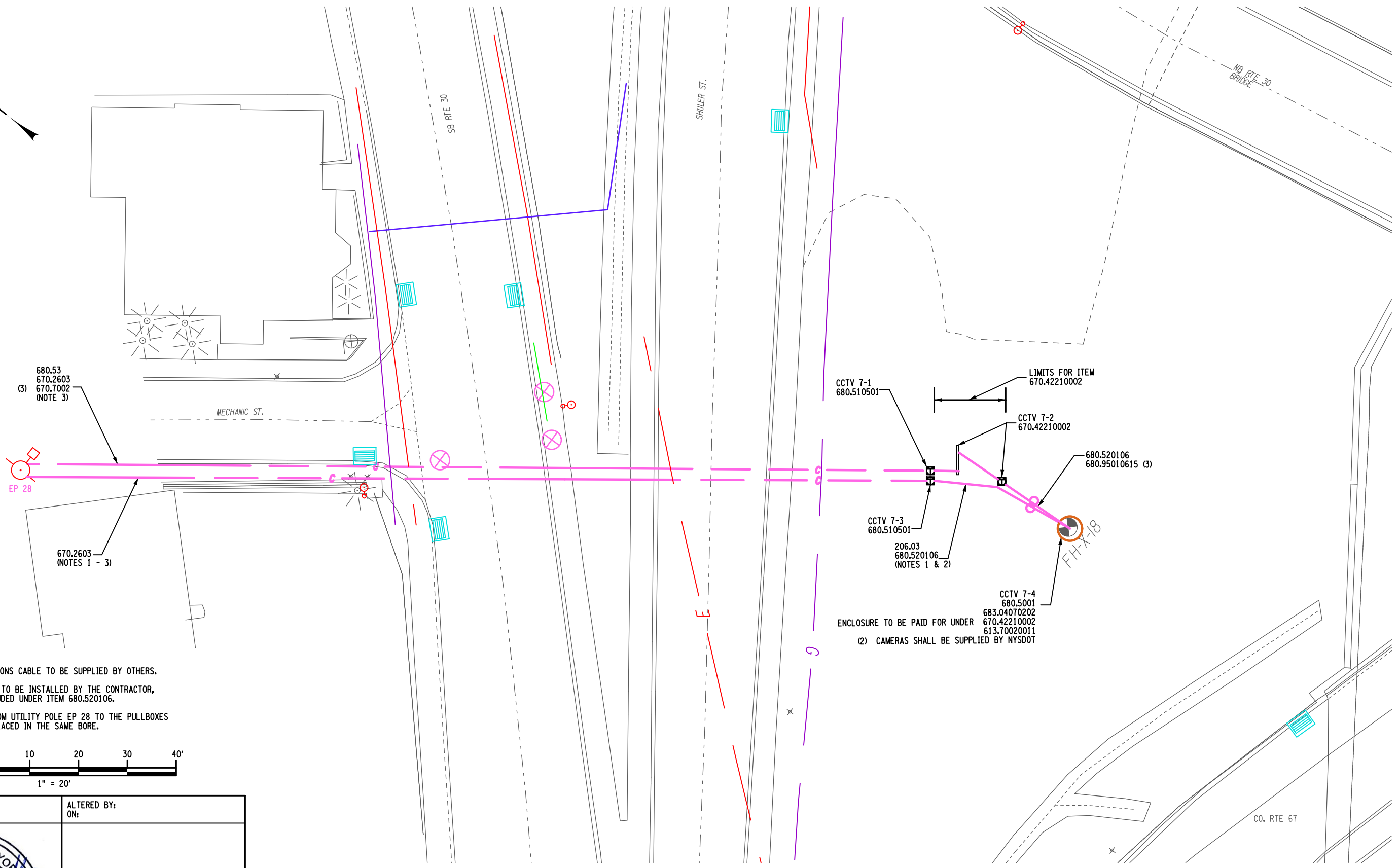
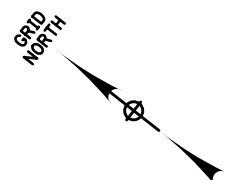
AFFIX SEAL: ON:	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	US ROUTE 20 S.H. 219 TOWN OF RICHFIELD COUNTY: OTSEGO REGION: 09	PIN 2805.73 UTILITY QUALITY LEVEL B	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED ITS PLAN SITE 6B - RICHFIELD WESTBOUND VMS QUANTITY TABLE	CONTRACT NUMBER D263402 DRAWING NO. ITSP-9 SHEET NO. 41
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.						
						Department of Transportation

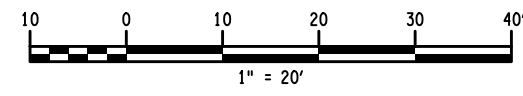
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 USER = krellly

DESIGN SUPERVISOR J. TIBBITTS
 JOB MANAGER K. REILLY
 DESIGN M. JONES
 CHECK
 DRAFTING
 CHECK
 PROJECT MANAGER

CCTV - AMSTERDAM



- NOTES
1. COMMUNICATIONS CABLE TO BE SUPPLIED BY OTHERS.
 2. CABLE WIRE TO BE INSTALLED BY THE CONTRACTOR, TO BE INCLUDED UNDER ITEM 680.520106.
 3. CONDUITS FROM UTILITY POLE EP 28 TO THE PULLBOXES SHALL BE PLACED IN THE SAME BORE.



AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ROUTE 30	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	SCHULER ST.-S.H. C67004	UTILITY QUALITY LEVEL B				
	CITY OF AMSTERDAM				ITS PLAN SITE 7- AMSTERDAM CCTV POLE AND CAMERA	DRAWING NO. ITSP-10 SHEET NO. 42
	COUNTY: MONTGOMERY	REGION: 02				

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.



DESIGN NOTES:

PERFORM ALL WELDING IN ACCORDANCE WITH NEW YORK STATE STEEL CONSTRUCTION MANUAL.

FOUNDATION MATERIALS:

REINFORCING STEEL: ASTM A615 GRADE 60

CONCRETE: 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.

ANCHOR BOLTS: ASTM F1554 GRADE 55 WITH ASTM A563 GRADE A HEAVY-HEX NUTS.
 ASTM F436 TYPE 1 WASHERS.
 ASTM A123 ZINC GALVANIZATION TYPE 1.

SUB-SURFACE EXPLORATION LOGS ARE AVAILABLE TO VERIFY THE ASSUMED SOIL PROPERTIES, AND AT RELATIVELY UNIFORM SITES, A SINGLE BORING OR SOUNDING MAY COVER SEVERAL FOUNDATIONS. FURTHERMORE, BORINGS IN THE AREA THAT WERE PERFORMED FOR OTHER PURPOSES MAY BE USED TO CONFIRM THE ASSUMED SOIL PROPERTIES.

LOWERING DEVICE INSTALLATION NOTES:

DESIGN TENON DIMENSIONS TO FACILITATE LOWERING DEVICES COMPONENT INSTALLATION. LOCATE SLOTS AS REQUIRED FOR THE MOUNTING OF THE LOWERING DEVICES.

PLACE THE LOWERING CABLE THAT MOVES WITHIN THE POLE IN AN INTERIOR CONDUIT TO PREVENT IT FROM TANGLING OR INTERFERING WITH ANY ELECTRICAL WIRE THAT IS IN THE POLE. ENSURE THAT ANY ELECTRICAL WIRE WITHIN THE POLE IS ROUTED SECURELY AND FREE FROM SLACK.

CONTRACTOR TO COORDINATE CCTV CAMERA INSTALLATIONS WITH NYS DOT.

POLE GENERAL NOTES:

16 SIDED OR MORE OR ROUND.

TAPERED 0.14 INCHES PER FOOT.

TRANSVERSE WELDS ONLY ALLOWED AT THE BASE.

ONE OR TWO SECTIONS (WITH TELESCOPIC FIELD SPLICE) IS ALLOWED

NO LAMINATED TUBES.

ONE LONGITUDINAL SEAM WELD IS PERMITTED.

LONGITUDINAL SEAM WELDS WITHIN 6" OF CIRCUMFERENTIAL WELDS SHALL BE COMPLETE PENETRATION WELDS. LONGITUDINAL SEAM WELDS AT TELESCOPIC FIELD SPLICES SHALL BE COMPLETE PENETRATION WELDS FOR THE SPLICE LENGTH PLUS SIX INCHES. ALL OTHER AREAS, SIZE THE PARTIAL PENETRATION WELDS TO AT LEAST 60% OF THE POLE TUBE THICKNESS.

IDENTIFICATION TAG:

ALUMINUM, SECURED TO POLE WITH STAINLESS STEEL SCREWS.
 LOCATE INSIDE POLE AND VISIBLE FROM HANDHOLE.
 PROVIDE MONTH AND YEAR OF MANUFACTURE, POLE HEIGHT, MANUFACTURER'S NAME, POLE BASE (F_y OF STEEL) AND POLE BASE WALL THICKNESS.


PERFORM ALL WELDING IN ACCORDANCE WITH NEW YORK STATE STEEL CONSTRUCTION MANUAL.

THE UNIT PRICE BID FOR EACH POLE SHALL INCLUDE THE NECESSARY GROUNDING SYSTEM, ANCHOR BOLTS, POLE ASSEMBLY AND ERECTIONS AND FIELD GALVANIZING AS REQUIRED.

CAMERA

NYS DOT SHALL SUPPLY TWO (2) CAMERAS FOR INSTALLATION BY THE CONTRACTOR.
 COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 683.04070202.

PROPOSED ITS TABLE																
PIN 2805.73 PROJECT NAME: TRAFFIC SYSTEMS IMPROVEMENT PROJECT 16																
TABLE IS IN FEET																
SITE	DRAWING NUMBER	ITS FEATURE LOCATION AS NUMBERED ON PLANS	NEXT ITS FEATURE TO TIE INTO AS NUMBERED IN PLANS	ITEM 680.53 CONDUIT JACKING OR BORING	ITEM 206.03 CONDUIT EXCAVATION	ITEM 670.2606 RIGID PLASTIC CONDUIT, 3"	ITEM 680.520106 CONDUIT, METAL STEEL, ZINC COATED, 2"	ITEM 680.510501 PULL BOX - RECTANGULAR, 26" X 18", REINFORCED CONCRETE	ITEM 680.5001 POLE EXCAVATION AND CONCRETE FOUNDATION	ITEM 683.04070202 CCTV CAMERA MOUNTING POLE WITH LOWERING DEVICES	(X) ACTUAL WIRES IN CONDUIT (TOTAL DIVIDED BY X)	ITEM 670.7002 SINGLE CONDUCTOR 2 GAGE 3 SEPARATE LINES / COLORS	(X) ACTUAL WIRES IN CONDUIT (TOTAL DIVIDED BY X)	ITEM 680.95010615 SERVICE CABLE 1 CONDUCTOR, 6AWG	ITEM 670.42210002 LIGHTING METER CABINET	ITEM 613.70020011 BIRD REPELLANT SYSTEM, DOUBLE ROW SPIKES
				FEET	FEET	FEET	FEET	EACH	CY	EACH	FEET	FEET	FEET	FEET	EACH	LF
7	ITSP-10	EP 28	CCTV 7-1	185	2	185	12	1			3	696				
7	ITSP-10	EP 28	CCTV 7-3			185	12	1				XX				
7	ITSP-10	CCTV 7-2			X		X	X			X	X	3	70	1	
7	ITSP-10	CCTV 7-2	CCTV 7-4				16						3	93		
7	ITSP-10	CCTV 7-3	CCTV 7-4		31		31							XX		
7	ITSP-10	CCTV 7-4							7	1						6
			TOTAL	185	33	370	71	2	7	1		696		163	1	6
CONDUITS FROM THE UTILITY POLE TO THE PULL BOXES SHALL BE PLACED IN THE SAME BORE.																
(2) 3 INCH CONDUITS SHALL BE PLACED BETWEEN THE LOCATIONS STATED. THE BORE SHALL BE A MINIMUM OF 3 FEET FROM TOP OF PIPE.																
RIGID PLASTIC CONDUIT, 3" SHALL BE ONE PIECE FROM THE UTILITY POLE TO THE PROPOSED PULL BOXES FOR EACH LINE.																
CONDUITS FROM THE PULL BOX TO THE FOUNDATION SHALL BE PLACED IN THE SAME TRENCH.																
(2) 2 INCH CONDUITS SHALL BE PLACED BETWEEN THE LOCATIONS STATED.																
X - TO BE PAID FOR UNDER ITEM 670.42210002.																
XX - WIRE SHALL BE SUPPLIED BY TIME WARNER CABLE, THE CONTRACTOR SHALL PLACE WIRE TO BE PAID FOR UNDER CONDUIT ITEM 680.520106.																
RISERS LOCATED AT THE UTILITY POLE SHALL HAVE FACTORY SWEEPS AND CONDUIT 10 FEET ABOVE GROUND WITH FOUR (4) STEEL CONDUITS CLAMPS AND BUSHINGS TO BE PAID FOR UNDER ITEM 680.520106.																

AFFIX SEAL: ON:	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ROUTE 30 SCHULER ST.-S.H. C67004 CITY OF AMSTERDAM COUNTY: MONTGOMERY	PIN 2805.73 UTILITY QUALITY LEVEL B	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED SITE 7 - AMSTERDAM CCTV POLE AND CAMERA NOTES AND TABLES	CONTRACT NUMBER D263402 DRAWING NO. ITSP-11 SHEET NO. 43
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						

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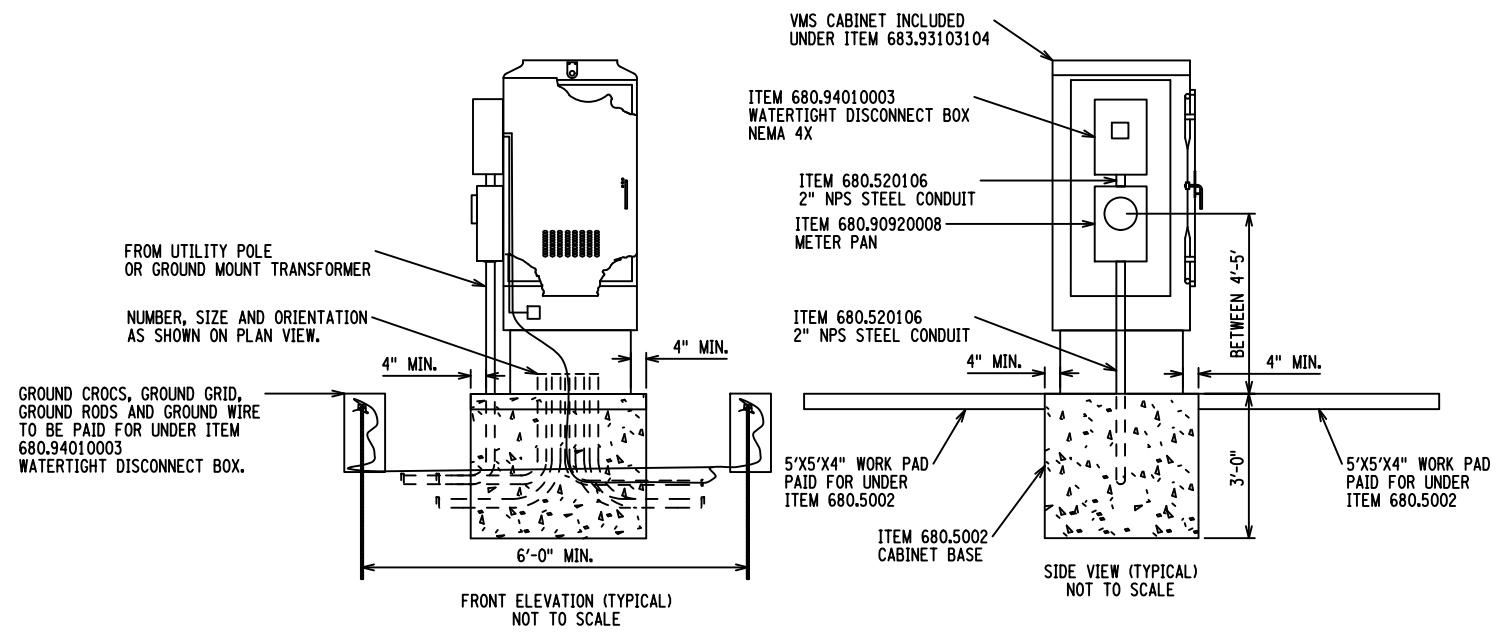
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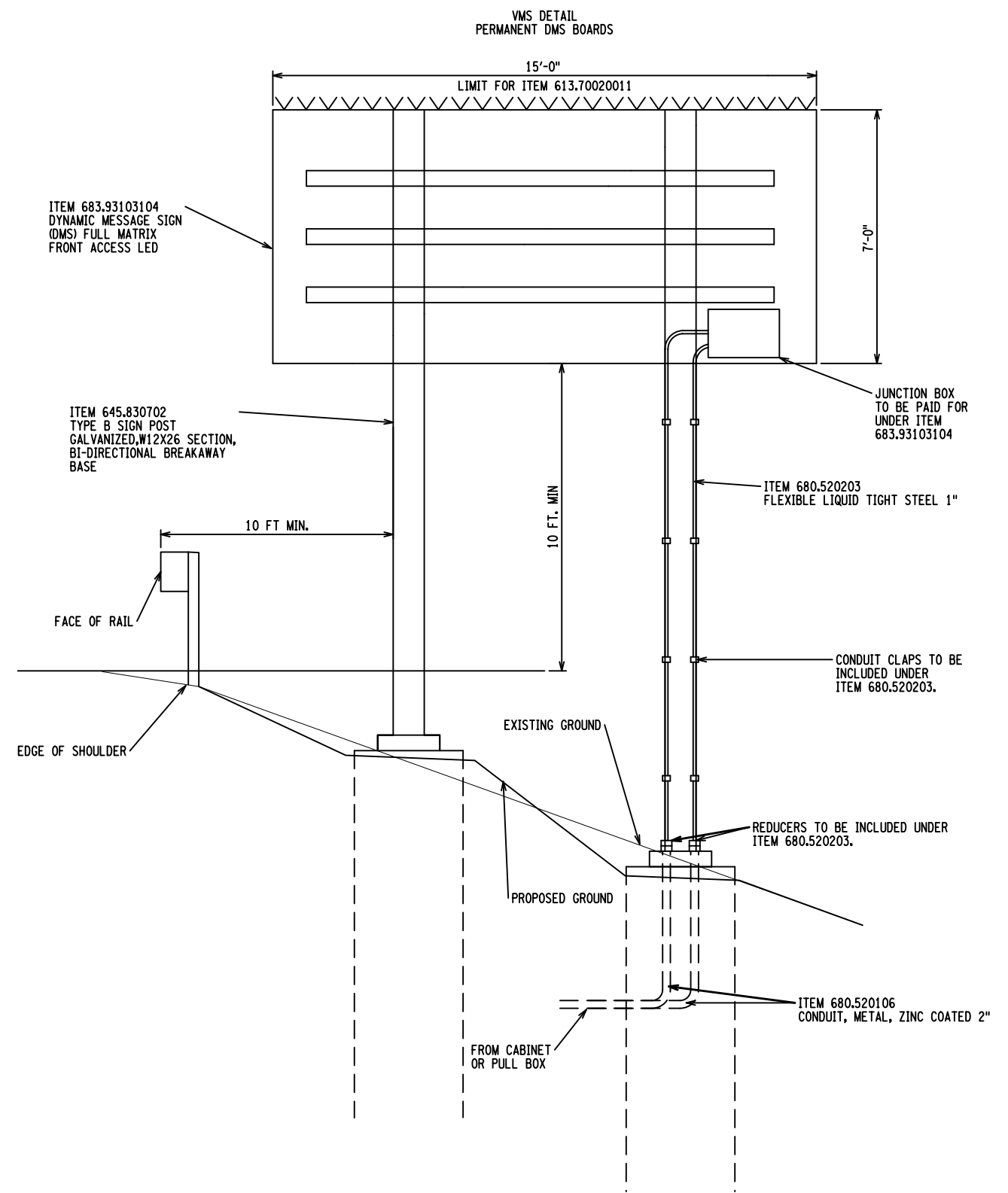
DESIGN M. JONES

JOB MANAGER K. REILLY

DESIGN SUPERVISOR J. TIBBITTS



DETAILS FOR VMS SITE LOCATIONS	
SITE #	DRAWING NUMBER
SITE 5	ITSP-1
SITE 6A	ITSP-4
SITE 6B	ITSP-7



AFFIX SEAL:
ON:

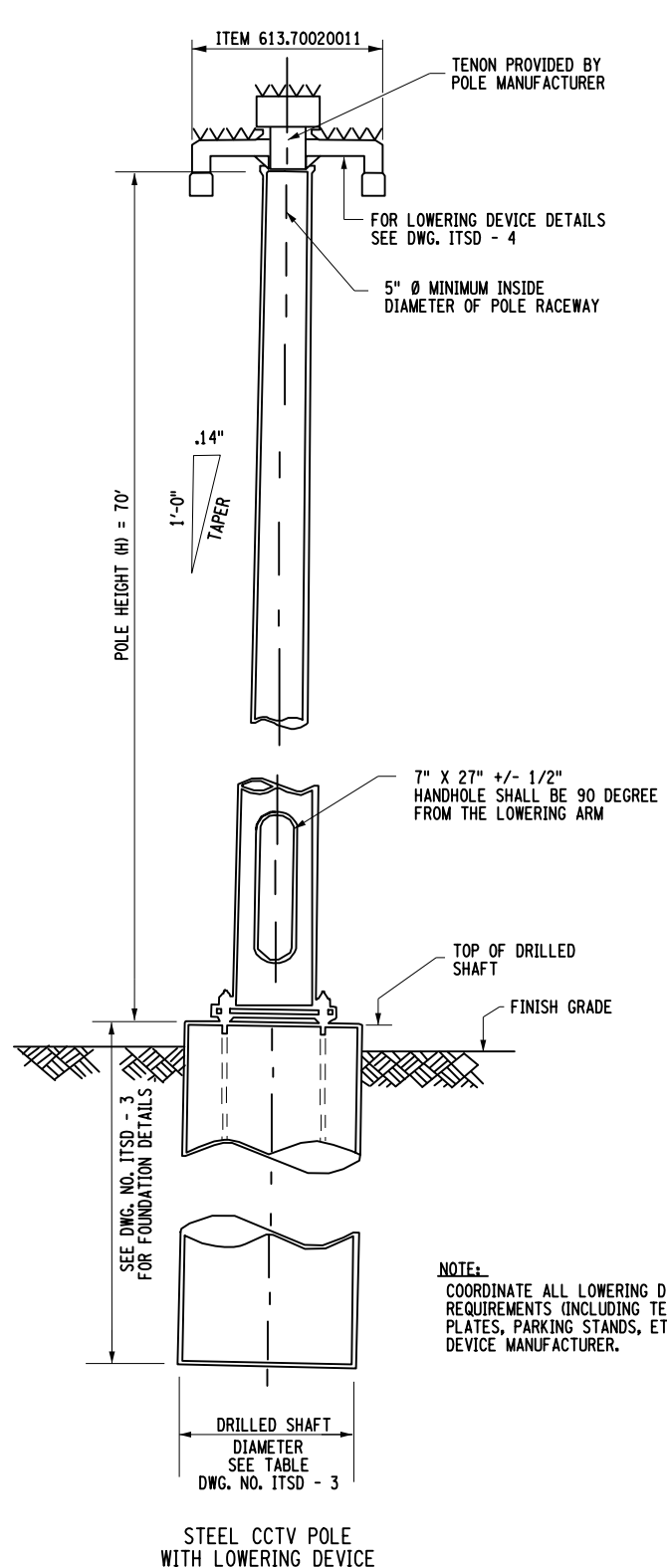
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AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409,	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	S.H. 5194, S.H. 5656A, S.H. C67004					
	RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20	REGION: 02	ITS DETAILS VMS DETAILS	DRAWING NO. ITSD-1 SHEET NO. 44		
	COUNTY: VARIOUS					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						



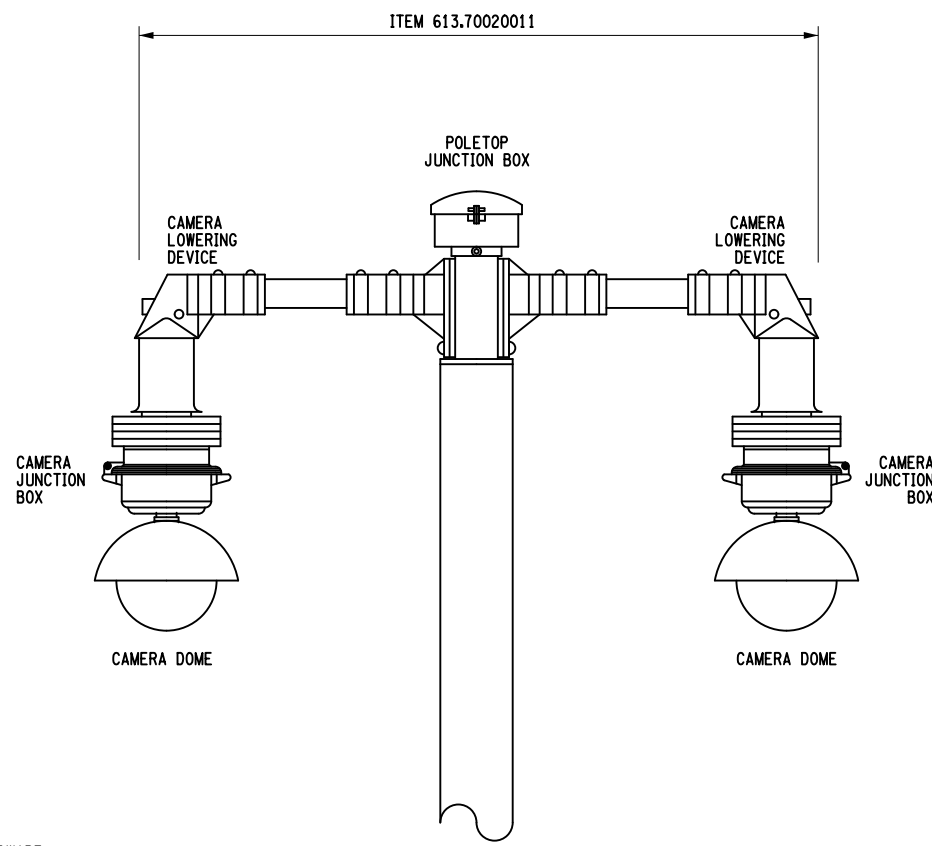
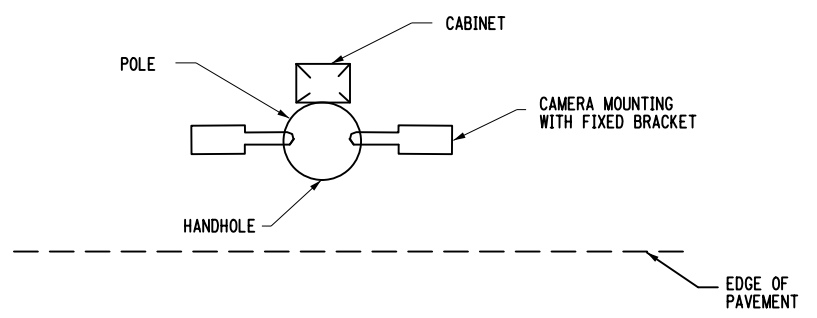
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 USER = jkupris

PROJECT MANAGER
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 DESIGN M. JONES
 JOB MANAGER K. REILLY
 DESIGN SUPERVISOR J. TIBBITTS



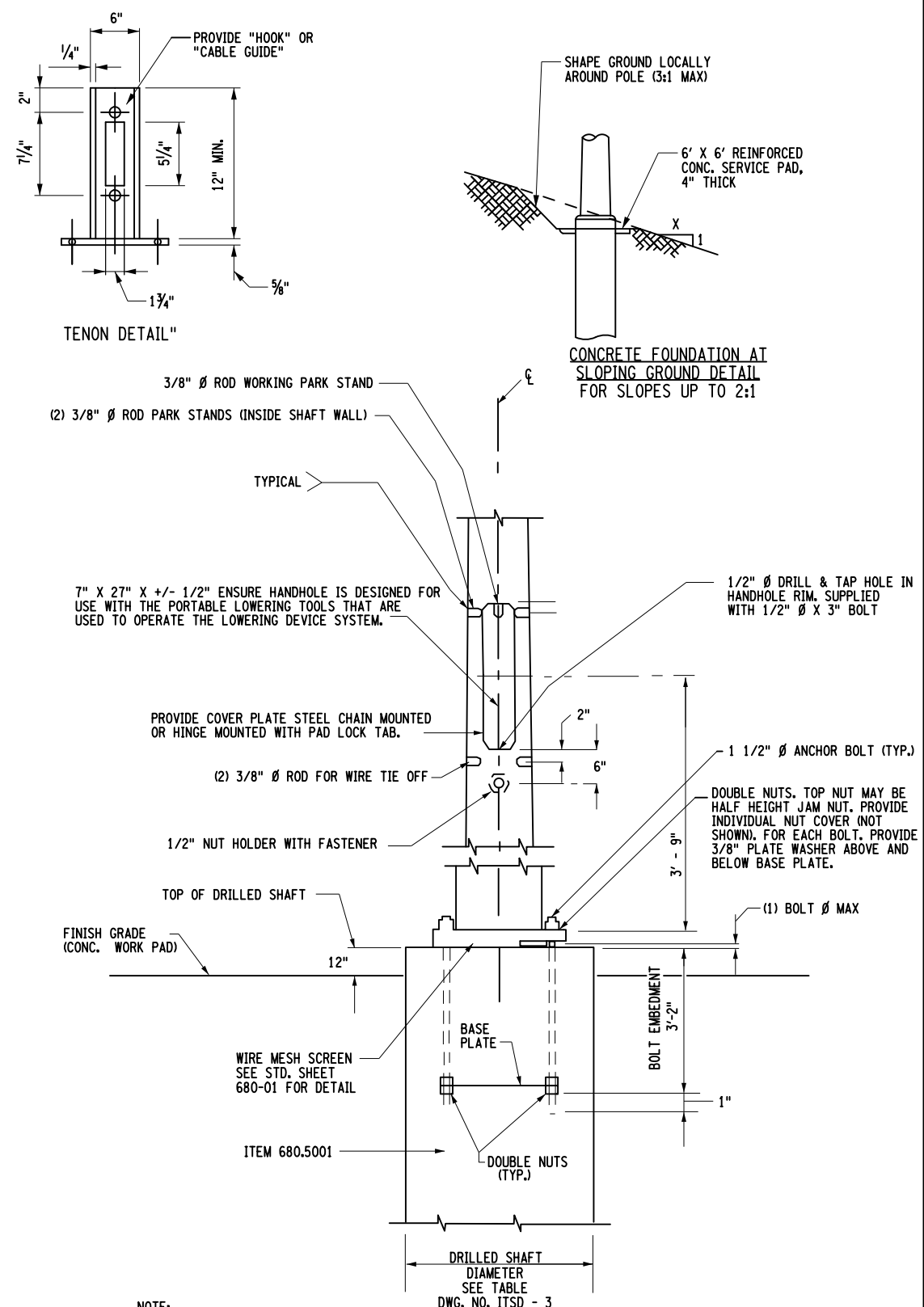
STEEL CCTV POLE WITH LOWERING DEVICE

NOTE:
 COORDINATE ALL LOWERING DEVICE HARDWARE REQUIREMENTS (INCLUDING TENON, TENON MOUNTING PLATES, PARKING STANDS, ETC.) WITH LOWERING DEVICE MANUFACTURER.



DUAL MOUNT APPLICATIONS ARE A SINGLE MOUNT MIRRORED 180 DEGREES APART

CCTV CAMERAS TO BE PROVIDED BY THE NYS DOT

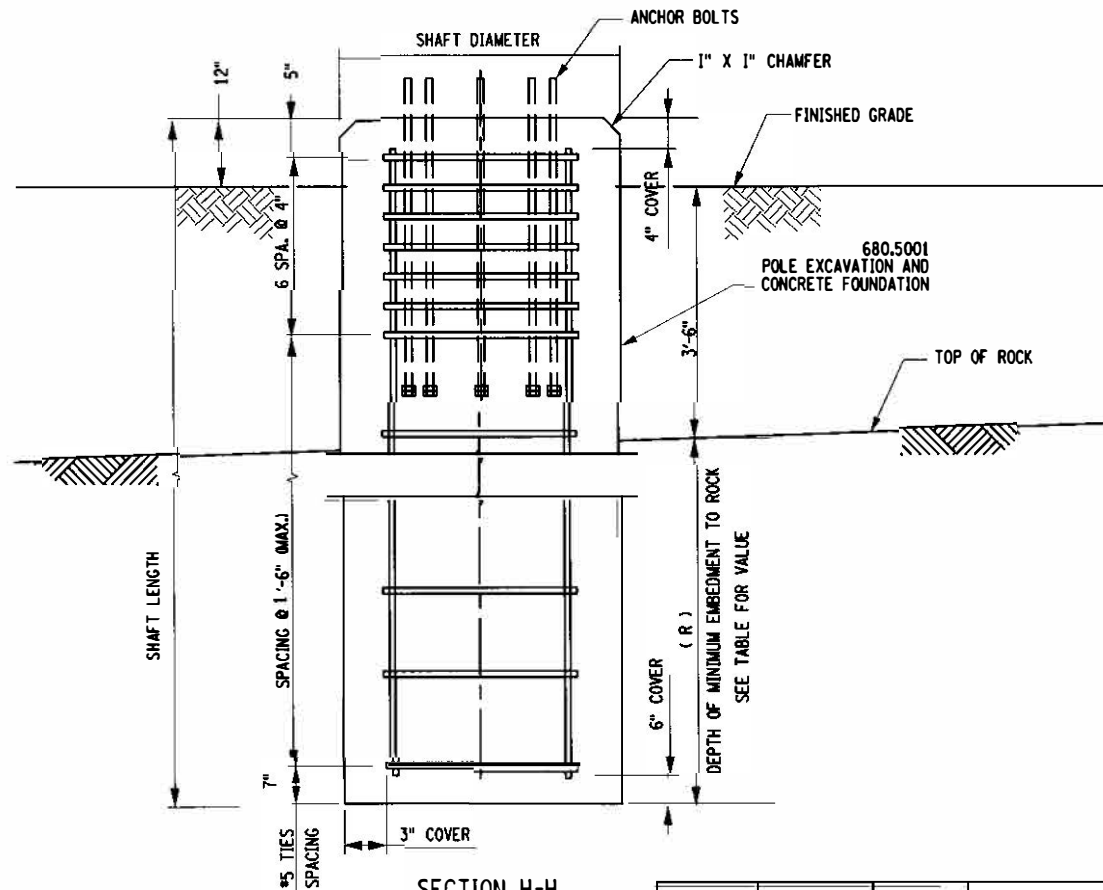
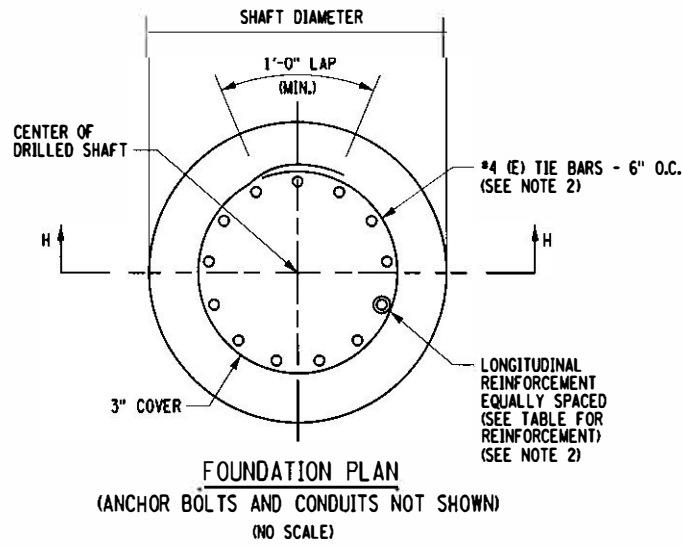


NOTE:
 INSTALL GROUNDING LUG FOR POLE AT 180 DEGREES FROM HANDHOLE, INSTALL GROUNDING LUG AT 6" BELOW HANDHOLE FRAME. GROUNDING PROVISIONS AS PER STANDARD SPECIFICATIONS SECTION 680 AND STANDARD SHEET 680-04

AFFIX SEAL: ON: _____
 ALTERED BY: ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409,	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	S.H. 5194, S.H. 5656A, S.H. C67004					
	RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20	REGION: 02	ITS DETAILS CCTV POLE DETAILS	DRAWING NO. ITSD-2 SHEET NO. 45		
	COUNTY: VARIOUS					
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.						



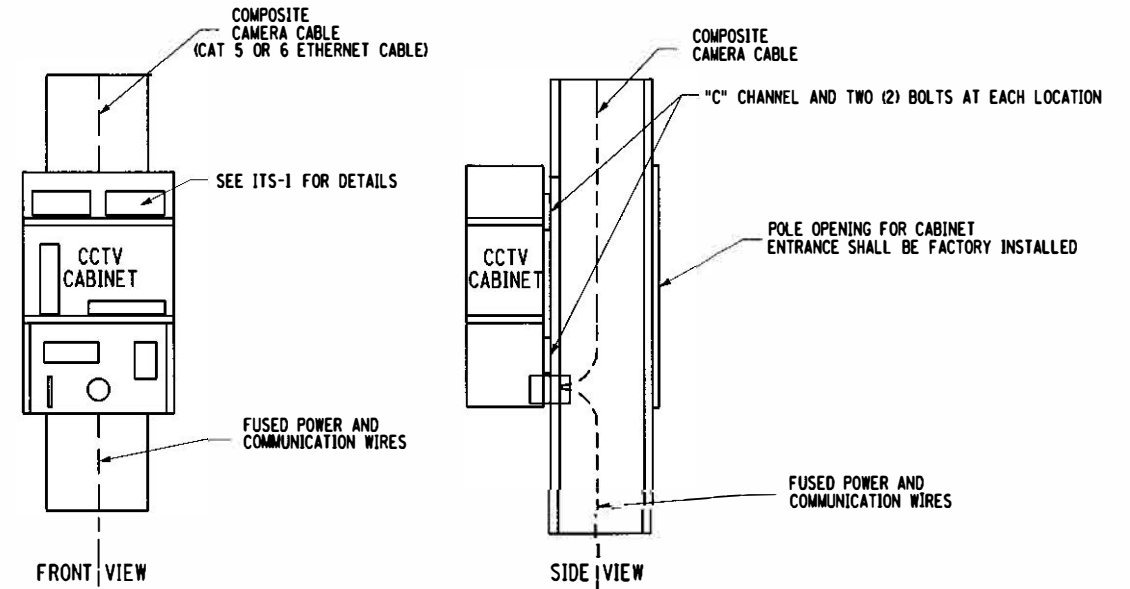


POLE HEIGHT	SHAFT DIAMETER	(R)	LONGITUDINAL REINFORCEMENT
70'-0"	4'-6"	6'-0"	30 - # 8 (E)

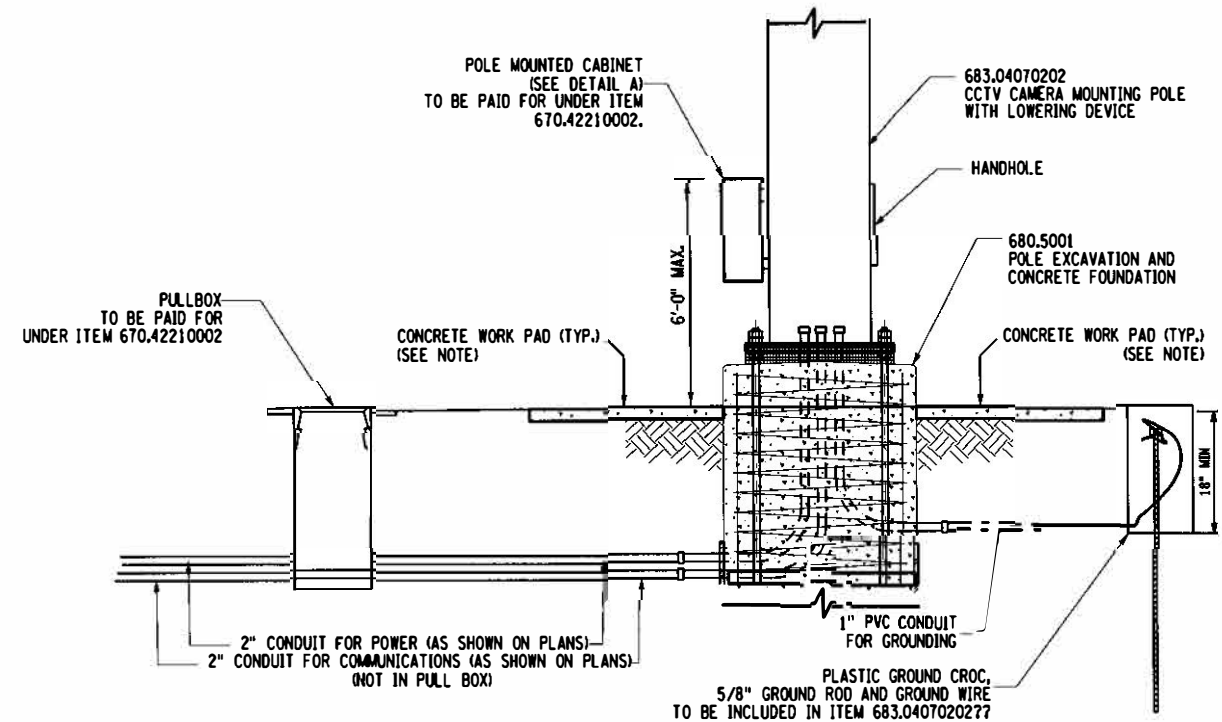
NOTE: ANCHOR BOLTS SHOWN ARE TYPICAL ONLY.

FOUNDATION DESIGN NOTES:

1. CONCRETE WITH A MINIMUM 4,000 psi COMPRESSIVE STRENGTH AT 28 DAYS.
2. ALL REINFORCING STEEL IN FOUNDATION TO BE INCLUDED IN BID PRICE FOR ITEM 680.5001



NOTE: THE ENCLOSURE FROM ITEM 670.42210002 SHALL BE MOUNTED TO STEEL CCTV POLE. ENCLOSURE SHALL BE MOUNTED 180 DEGREES FROM HANDHOLE. SEE STANDARD SHEET 680-5 FOR ADDITIONAL CABINET/BACKET INSTALLATION DETAILS.



NOTE: 5'X5'X4" CONCRETE WORK PADS TO BE INSTALLED ON CABINET AND HAND HOLE SIDE OF POLE, WORK PAD SHALL ABUT THE POLE FOUNDATION, COST OF EMBANKMENT SHAPING AND CONCRETE WORK PAD TO BE INCLUDED IN THE CCTV POLE ITEM 683.04070202.

AFFIX SEAL: ON: ALTERED BY: ON:



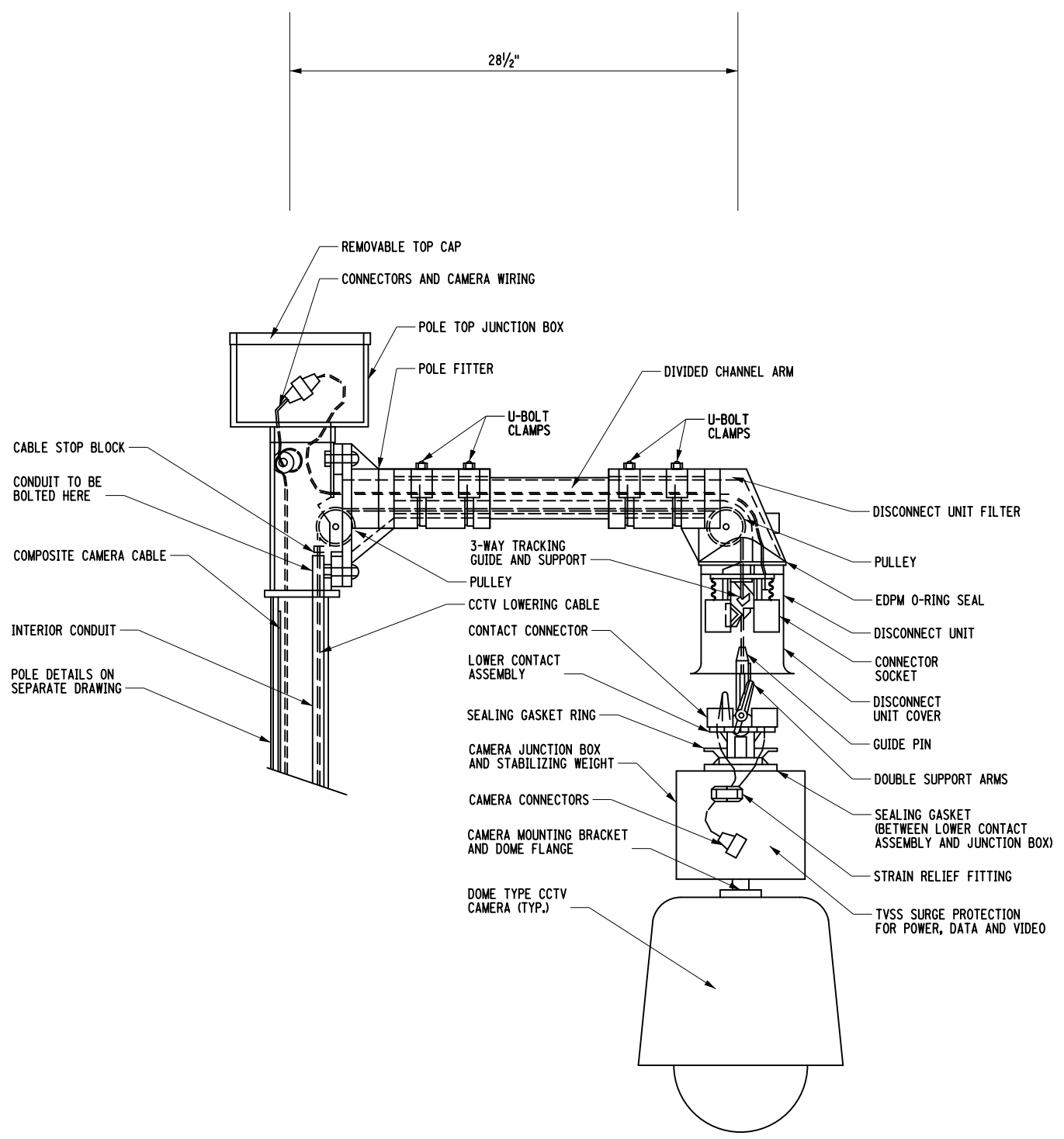
AS-BUILT REVISIONS	S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409,	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
DESCRIPTION OF ALTERATIONS:	S.H. 5194, S.H. 5656A, S.H. C67004	UTILITY QUALITY LEVEL B				
	RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20				ITS DETAILS CCTV FOUNDATION AND CABINET DETAILS	DRAWING NO. ITSD-3 SHEET NO. 46
	COUNTY: VARIOUS REGION: 02					

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



FILE NAME = 280573_cph_frsc_04.dgn
 DATE/TIME = 13-JAN-2017 14:08
 USER = jkupris

PROJECT MANAGER
 CHECK
 DRAFTING
 CHECK
 DESIGN M. JONES
 JOB MANAGER K. REILLY
 DESIGN SUPERVISOR J. TIBBITTS



NOTES:

1. LOWERING DEVICE TO BE SHIPPED READY FOR POLE ATTACHMENT TO INCLUDE 100 FT. OF COMPOSITE POWER AND SIGNAL CABLE PRE WIRED TO LOWERING DEVICE AT THE FACTORY.
2. THE LOWERING DEVICE MANUFACTURER SHALL SUPPLY A PORTABLE LOWERING TOOL WITH A MANUAL HAND CRANK AND A HALF-INCH CHUCK VARIABLE-SPEED REVERSIBLE INDUSTRIAL-DUTY ELECTRIC DRILL THAT MATCHES THE WINCH'S MANUFACTURER- RECOMMENDED REVOLUTIONS PER MINUTE.
3. THE LOWERING DEVICE MANUFACTURER SHALL PROVIDE AN ON -SITE INSTALLATION INSPECTION AND OPERATOR INSTRUCTION AND CERTIFICATION. THIS ENSURES THE PRODUCT IS ASSEMBLED CORRECTLY AND THAT ALL NECESSARY PERSONS ARE TRAINED IN THE PROPER, SAFE OPERATION OF THE SYSTEM. BEFORE ERECTING THE FIRST POLE THE CONTRACTOR MUST CONTACT THE LOWERING DEVICE SUPPLIER AND SCHEDULE A MANUFACTURER'S REPRESENTATIVE TO BE ON -SITE.
4. THE STAINLESS STEEL DEVICE LOWERING CABLE SHALL BE INSTALLED INSIDE THE POLE WITHIN A 1/4 INCH DIAMETER PVC CONDUIT. INTERIOR CONDUIT POLE ATTACHMENTS NO GREATER THAN 15 FT INTERVALS.
5. ALL COMMUNICATION AND POWER CABLES MUST BE NEATLY BUNDLED AND SECURED.
6. CONTRACTOR TO COORDINATE CAMERA INSTALLATION WITH NYSOT AND LOWERING DEVICE MANUFACTURER.
7. ALL POLE ATTACHMENTS AND CONDUITS SHALL BE COORDINATED WITH STEEL POLE MANUFACTURER.

CAMERA LOWERING DEVICE DETAIL

CCTV CAMERAS TO BE PROVIDED BY THE NYSOT

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409, S.H. 5194, S.H. 5656A, S.H. C67004	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20 COUNTY: VARIOUS REGION: 02	UTILITY QUALITY LEVEL B			ITS DETAILS CCTV CAMERA LOWERING DEVICE	DRAWING NO. ITS-4 SHEET NO. 47

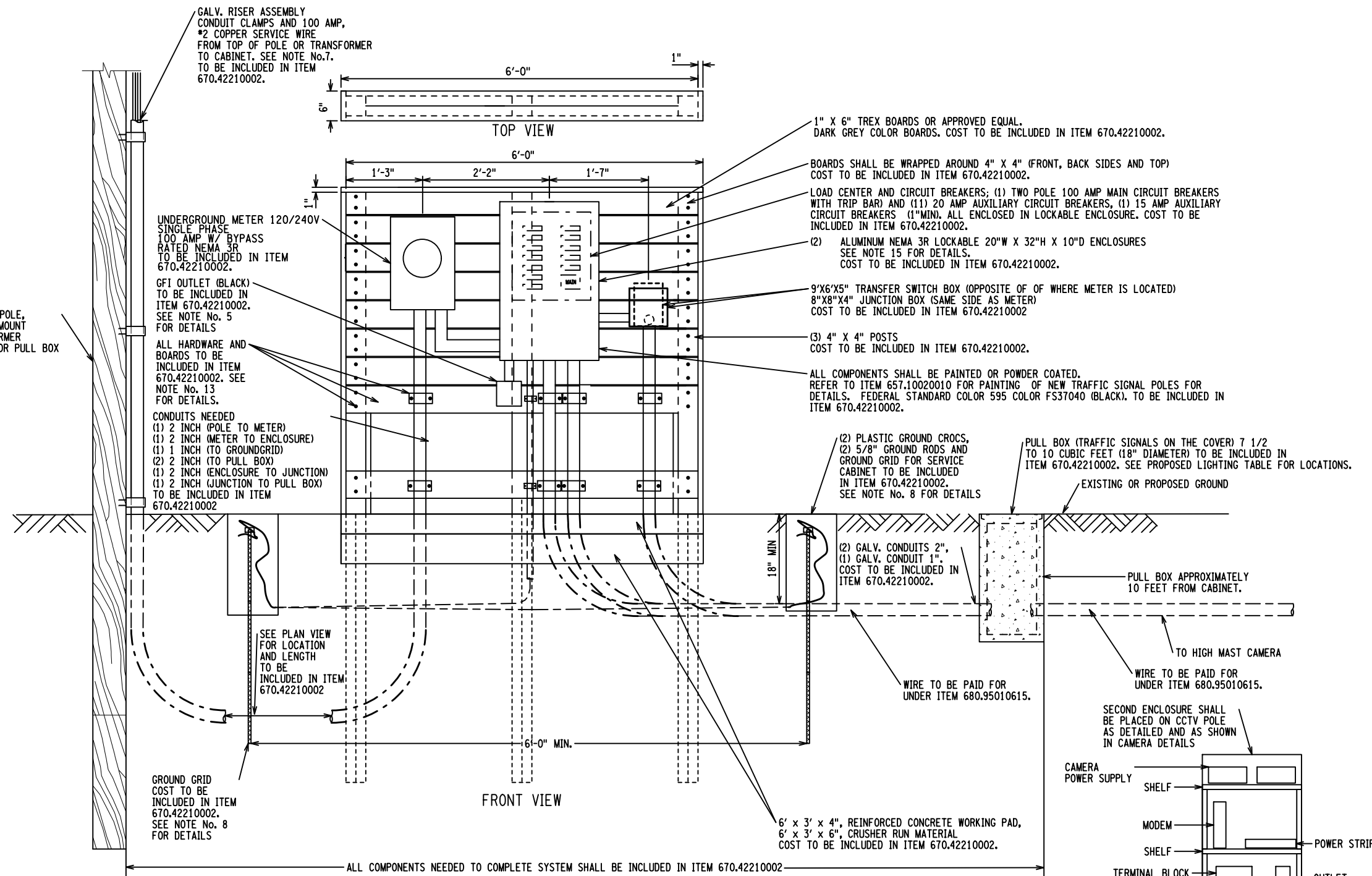
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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



LIGHTING METER CABINET NOTES:

WHEN WORKING IN AN AREA NOT OTHERWISE DISTURBED BY THE CONTRACT WORK, THE FOLLOWING APPLY:

- AREA EXCAVATED TO PLACE CABINET SHALL BE RESTORED TO ORIGINAL CONDITION. THIS MAY INCLUDE SEEDING AND TOPSOIL; ALL ROCKS SHALL BE REMOVED FROM THIS AREA.
- IF THE AREA DISTURBED BY THE TRENCHING IS ON EXISTING SEEDED AREA, THE TOP 4" OF TRENCH BACK FILL SHALL BE TOPSOIL AND THE SURFACE SHALL BE SEEDED.
- OTHER AREAS (ASPHALT, CONCRETE, ETC.) SHALL BE REPLACED IN KIND WITH THICKNESS MATCHING EXISTING MATERIALS.
- WHEN WORKING IN AN AREA TO BE SURFACE TREATED UNDER OTHER CONTRACT ITEMS, THE TRENCHING AND BACK FILL WILL BE PAID FOR UNDER ITEM 206.03 AND THE SURFACE TREATMENT UNDER SEPARATE CONTRACT ITEMS.
- A 15 AMP, 110 VOLT, GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE SHALL BE MOUNTED AS EXPLAINED IN PROJECT DOCUMENTS. THE RECEPTACLE SHALL BE U.L. LISTED ACCORDING TO E-48380 AND U.L. 943CLASS A AND U.L. 498. THE RECEPTACLE SHALL HAVE A CAST ALUMINUM, LOCKABLE, U.L. LISTED COVER (LOCK AND 3 KEYS SHALL BE SUPPLIED AND PLACED IN ENCLOSURE) THAT IS SUITABLE FOR WET LOCATIONS WHILE IN USE AND COMPLIES WITH NEC ARTICLE 410-57 (B), THE COVER SHALL ACCEPT MOST COMMON CORDS SETS UP TO 3/8" DIAMETER (14/3), THE RECEPTACLE AND COVER SHALL MOUNT TO AN OUTLET OPENING, IN THE POST SHAFT, WITH A GASKET AND STAINLESS STEEL SCREWS. CONNECT TO DEDICATED 120V, 20A BREAKER WITH #12AWG CONDUCTORS. COST OF THE BOX AND ASSOCIATED HARDWARE SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 670.42210002.
- THE CONTRACTOR WILL COORDINATE WITH UTILITY COMPANY FOR ELECTRIC SERVICE ORDER.
- RISER ASSEMBLY SHALL BE PLACED 10 FEET UP EXISTING UTILITY POLE AND ATTACHED PROPERLY. FINAL LOCATION OF RISER ON THE UTILITY POLE SHALL BE GIVEN TO THE CONTRACTOR FROM THE REGIONAL UTILITY ENGINEER.
- INSTALL SERVICE ENTRANCE GROUND IN ACCORDANCE WITH NATIONAL ELECTRIC CODE. PROVIDE #4 BARE COPPER WIRE LOOP BETWEEN GROUND RODS AND RISER LEAD TO LOAD CENTER. GROUND RODS SHALL BE 6'-0" MIN APART. GROUND RODS SHALL BE IN DIRECT EARTH CONTACT OF 10'-0" MIN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES, INSPECTIONS NEEDED TO COMPLETE INSTALLATION OF LIGHTING METER CABINET.
- CONDUIT TO PULL BOX SHALL HAVE PULL STRING IF THE CONDUIT IS NOT USED AT TIME OF INSTALLATION.
- ALL THE WORK ASSOCIATED TO THE COMPLETE INSTALLATION OF THE PROPOSED DISCONNECT AND METER BOX BETWEEN THE EXISTING UTILITY POLE OR GROUND MOUNT TRANSFORMER TO THE PROPOSED PULL BOX SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 670.42210002 - (LIGHTING METER CABINET WITH ALL COMPONENTS). EXCEPT FOR WIRE FROM CABINET TO PULL BOX TO HIGH MAST CAMERA WHICH WILL BE PAID FOR UNDER APPROPRIATE 680.95010615 WIRE ITEMS.
- SEE ITSP-11 FOR PROPOSED HIGH MAST CAMERA TABLE FOR QUANTITIES, AND ITSP-10 FOR PROPOSED HIGH MAST CAMERA LOCATIONS.
- EACH MOUNTING BOARD SHALL BE ATTACHED TO THE VERTICAL POSTS AT EACH END USING (2) 3/8" x 8" STAINLESS STEEL CARRIAGE BOLTS, STAINLESS STEEL FLAT WASHERS, STAINLESS STEEL LOCK WASHERS AND STAINLESS STEEL NUTS AT APPROXIMATE LOCATIONS SHOWN. ALL CONDUITS SHALL BE CLAMPED AND BOLTED AS SHOWN AND PAINTED DARK GREY.
- CABINET SHALL BE PLACED SO CABINET CAN NOT BE SEEN FROM THE HIGHWAY.
- THERE SHALL BE TWO (2) ENCLOSURES. 1 ON THE TREX BOARD AND 1 CCTV POLE. ENCLOSURE SHALL HAVE THE FOLLOWING: MANUFACTURED TO NEMA 3R SPECIFICATIONS, FREE STANDING ENCLOSURE, SEAL WELDED CONSTRUCTION DOUBLE FLANGED DOOR SEAL, SST 3 POINT PAD LOCKABLE LATCH SYSTEM WITH NYLON ROLLERS, TWO POSITION DOOR STOP ROD ASSEMBLY, #2 DOOR LOCK WITH 4 KEYS, HEAVY DUTY SST HINGE, 1/2" x 2" CLOSE CELL NEOPRENE GASKET, 3/8 x 2 WELD STUDS PROVIDED FOR BACK PANEL (BACK PANEL USUALLY NOT PROVIDED). ENCLOSURE SHALL BE POWDER COATED BLACK.
- ALL CONDUITS SHALL HAVE 90 DEGREE FACTORY SWEEPS.
- ALL EXCAVATION SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 670.42210002.
- ALL PARTS AND PIECES SHALL BE APPROVED BY THE EIC AND THE REGIONAL UTILITY ENGINEER.



**ITEM 670.42210002
LIGHTING METER CABINET
WITH ALL COMPONENTS**

(NO SCALE)

LOCATIONS FOR ITEM 670.42210002
LIGHTING METER CABINET WITH ALL COMPONENTS:

DRAWING No.	SITE	LOCATION
ITSP-10	7	AS SHOWN IN PLAN VIEW.

CABINET PARTS LIST:

1 PER SITE G.E. LOAD CENTER *TLM1212CCU	2 PER SITE G.E. 15 AMP BREAKER *THQL1115
1 PER SITE G.E. MAIN BREAKER CIRCUIT BREAKER KIT *TQMHOOD	2 PER SITE MULBERRY OR RED DOT ONE GANG BOX FOR GFI RECEPTACLE
1 PER SITE G.E. MAIN BREAKER RETAINERS *THQLR3	1 PER SITE HUBBLE *MX3200 IN USE COVER FOR GFI RECEPTACLE
1 PER SITE G.E. GROUND KIT *TK12	2 PER SITE LEGRAND *1595TRWR, 15 AMP BLACK GFI RECEPTACLE
1 PER SITE G.E. LOAD CENTER MAIN BREAKER *THQL2160	2 PER SITE BISON PRO FAB ALUMINUM CABINET 32"x20"x10"
10 PER SITE G.E. 20 AMP BREAKER *THQL1120	1 PER SITE MILBANK *U2047-0, NATIONAL GRID METER SOCKET
	1 PER SITE RELIANCE CONTROLS *C30A4L73
	1 PER SITE WIEGMANN ENCLOSURES *RSC081206NK

OTHER MISCELLANEOUS PARTS AND PIECES NOT SPECIFIED MAY BE REQUIRED TO COMPLETE SYSTEM TO BE PAID FOR UNDER ITEM 670.42210002..

AFFIX SEAL:
ON: _____
ALTERED BY:
ON: _____



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409,	PIN 2805.73	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D263402
	S.H. 5194, S.H. 5656A, S.H. C67004					
	RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20	UTILITY QUALITY LEVEL B	ITS DETAILS CCTV CABINET	DRAWING NO. ITSD-5 SHEET NO. 48		
	COUNTY: VARIOUS	REGION: 02				

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FILE NAME = 280573_cph_rtscl_05.dgn
DATE/TIME = 13-JAN-2017 14:08
USER = jkupris

PROJECT MANAGER: _____
CHECK: _____
DRAFTING: _____
CHECK: _____
DESIGN M. JONES: _____
JOB MANAGER K. REILLY: _____
DESIGN SUPERVISOR J. TIBBITTS: _____


FILE NAME = 280573_cph_utt.tbl.dgn
 DATE/TIME = 13-JAN-2017 14:08
 USER = jkupris

PROJECT MANAGER
 CHECK
 DRAFTING
 CHECK
 DESIGN M. JONES
 JOB MANAGER K. REILLY
 DESIGN SUPERVISOR J. TIBBITTS

OVERHEAD UTILITY DISPOSITION TABLE														
PIN 2805.73 PROJECT NAME: TRAFFIC SYSTEMS IMPROVEMENT PROJECT 16														
TABLE IS IN FEET														
EP POLE NUMBER ON PLANS	SITE NUMBER	UTILITIES REAL POLE NUMBER	FACILITIES ON STRUCTURE						PROPOSED DESIGN CONFLICT WITH EXISTING UTILITIES	RELOCATION OR REMOVAL REQUIRED		PRIVATE PROPERTY		UNDERGROUND POWER RISER
			DIST	SEC	LIGHT	FIRE	CABLE	TEL		YES	NO	YES	NO	RELOCATION NEEDED (+)
EP 1	1	NM 181	X	X			X	X	IMPACT TO CONSTRUCTION	X			X	
EP 2	1	NM 205	X	X			X	X	IMPACT TO CONSTRUCTION	X			X	
EP 3	1	NM 204	X	X			X	X	IMPACT TO CONSTRUCTION	X			X	
EP 4	1	NO#						X	DOUBLE WOOD	X			X	
EP 5	1	NM 96	X	X			X		IMPACT TO CONSTRUCTION	X			X	
EP 6	2	NM 9	X	X			X	X	(NIC) NOT IN CONTRACT		X		X	
EP 7	2	NM 10	X	X			X	X	(NIC) NOT IN CONTRACT		X		X	
EP 8	2	NM 10-1		X	X		X	X	(NIC) NOT IN CONTRACT	X			X	
EP 9	2	NM 143	X	X			X	X	(NIC) NOT IN CONTRACT	X			X	
EP 10	2	TEL 200					X	X	(NIC) NOT IN CONTRACT	X			X	
EP 11	2	NM 142-1	X	X					(NIC) NOT IN CONTRACT	X			X	
EP 12	2	NM 142	X	X			X		(NIC) NOT IN CONTRACT		X		X	
EP 13	2	NM 141	X	X	X		X	X	(NIC) NOT IN CONTRACT		X		X	
EP 14	3	NM 8	X	X			X	X	IMPACT TO CONSTRUCTION	X			X	
EP 15	3	NO#					X		IMPACT TO CONSTRUCTION	X			X	
EP 16	3	NM 9A	X	X			X	X			X		X	
EP 17	3	NM 9B	X	X			X	X			X		X	
EP 18	3	NM 6-1		X	X				IMPACT TO CONSTRUCTION	X			X	
EP 19	4	NM 9 1/2	X	X			X		IMPACT TO CONSTRUCTION	X			X	
EP 20	4	NM 10	X	X			X		IMPACT TO CONSTRUCTION	X			X	(+) SECONDARY RISER
EP 21	4	NM 10 1-2	X	X			X	X	IMPACT TO CONSTRUCTION	X			X	
EP 22	4	NO#			X				IMPACT TO CONSTRUCTION	X			X	
EP 23	4	NM 10 1/2	X	X			X	X	IMPACT TO CONSTRUCTION	X			X	
EP 24	5	NO#	X	X	X		X	X	IMPACT TO CONSTRUCTION	X			X	
EP 25	5	NO#	X	X	X		X	X	IMPACT TO CONSTRUCTION	X			X	
EP 26	6A	NYSEG NO#	X								X		X	
EP 27	6B	NYSEG NO#	X								X		X	

REESTABLISHING ELECTRICAL UNDERGROUND SERVICE TO CUSTOMERS			
PIN 2805.73 PROJECT NAME: TRAFFIC SYSTEMS IMPROVEMENT PROJECT 16			
TABLE IS IN FEET			
DRAWING NUMBER	ITEM NUMBER	POLE NUMBER	PROPOSED POLE LOCATION
TSP-11	662.01000107	EP 20	WITHIN 5 FEET OF EP 20
NOTE: THE CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER AND COMPLETE RELOCATION WORK IN A TIMELY MANOR TO AVOID/MINIMIZE IMPACTS TO THE PROPERTY OWNER (POWER OUTAGE 4 HOURS MAX). NEW SERVICE WIRE FROM METER TO TOP OF POLE TO BE INCLUDED IN ITEM 662.01000107.			

UNDERGROUND UTILITY DISPOSITION TABLE								
PIN 2805.73 PROJECT NAME: TRAFFIC SYSTEMS IMPROVEMENT PROJECT 16								
TABLE IS IN FEET								
DRAWING NUMBER	APPROXIMATE LENGTH OF IMPACTED FACILITIES	UTILITIES AFFECTED				PROPOSED DESIGN CONFLICT WITH EXISTING UTILITIES	RELOCATION REQUIRED	
		PWR	CABLE	TEL	GAS		YES	NO
TSP-1	300 FEET				X	IMPACT TO SIGNAL, PED POLE AND CABINET FOUNDATIONS	X	

AFFIX SEAL: ON:	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409, S.H. 5194, S.H. 5656A, S.H. C67004 RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20 COUNTY: VARIOUS REGION: 02	PIN 2805.73 UTILITY QUALITY LEVEL B	BRIDGES CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED UTILITY DISPOSITION TABLE	CONTRACT NUMBER D263402 DRAWING NO. UTT-1 SHEET NO. 49
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.					



FILE NAME = 280573EST_01.dgn
 DATE/TIME = 02-FEB-2017 16:43
 USER = wnolan

DESIGN SUPERVISOR J. TIBBITTS

JOB MANAGER K. REILLY

CHECK

DESIGN M. JONES

CHECK

DRAFTING W. NOLAN

CHECK

PROJECT MANAGER

ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	85.0
203.03	EMBANKMENT IN PLACE	CY	20.0
205.0201	SEGREGATION AND STORAGE OF CONTAMINATED SOIL	LS	1.0
205.03	FIELD ORGANIC VAPOR MONITORING OF CONTAMINATED SOIL	HOUR	14.0
205.050201	DISPOSAL OF CONTAMINATED NON-HAZARDOUS WASTE SOIL	TON	18.0
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF	5025.0
209.1003	SEED AND MULCH - TEMPORARY	SY	250.0
209.1105	CHECK DAM, PREFABRICATED - TEMPORARY	LF	40.0
209.13	SILT FENCE-TEMPORARY	LF	370.0
304.12	SUBBASE COURSE, TYPE 2	CY	65.0
520.60900002	SAWCUTTING CURB	LF	134.0
606.10	BOX BEAM GUIDE RAILING	LF	150.0
606.120102	BOX BEAM GUIDE RAILING END ASSEMBLY, TYPE I	EA	2.0
606.120201	BOX BEAM GUIDE RAILING END ASSEMBLY, TYPE IIA	EA	2.0
606.5348	RESETTING BOX BEAM GUIDE RAILING (NEW POSTS)	LF	36.0
606.63	REMOVING AND STORING BOX BEAM GUIDE RAILING	LF	47.0
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY	30.0
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY	21.0
608.72136108	BOLLARD-FIXED IN GROUND, WITHOUT LIGHTING, WIDTH OVER 5 INCHES TO 7 INCHES, HEIGHT OVER 36 INCHES	EA	8.0
609.04	CAST-IN-PLACE CONCRETE CURB (AS DETAILED)	LF	166.0
609.0401	CAST-IN-PLACE CONCRETE CURB TYPE VF150	LF	136.0
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY	220.0
610.1602	TURF ESTABLISHMENT - LAWNS	SY	25.0
613.70020011	BIRD REPELLANT SYSTEM, DOUBLE ROW SPIKES	LF	51.0
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	1.0
619.110513	PORTABLE, VARIABLE MESSAGE SIGN (PVMS) STANDARD SIZE - FULL MATRIX (LED) NO OPTIONAL EQUIPMENT SPEC, CELLULAR COM NTCI	EA	2.0
619.1613	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT C)	INTM	39.0
625.01	SURVEY OPERATIONS	LS	1.0
625.05	STEEL PIN AND CAP RIGHT-OF-WAY MARKER	EA	5.0

ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
627.50140008	CUTTING PAVEMENT	LF	409.0
635.0103	CLEANING AND PREPARATION OF PAVEMENT SURFACES - LINES	LF	5976.0
635.0303	CLEANING AND PREPARATION OF PAVEMENT SURFACES - SYMBOLS	EA	4.0
637.12	ENGINEER'S FIELD OFFICE - TYPE 2	MNTH	13.0
637.34	OFFICE TECHNOLOGY AND SUPPLIES	DC	5000.0
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 30 SF, WITH Z-BARS	SF	9.0
645.81	TYPE A SIGN POSTS	EA	10.0
645.830702	TYPE B SIGN POST, GALVANIZED, W12X26 SECTION, BI-DIRECTIONAL BREAKAWAY BASE	EA	6.0
646.23	LARGE DELINEATOR, LARGE SNOWPLOWING MARKER, LARGE SUPPLEMENTARY SNOWPLOWING MARKER PANELS	EA	5.0
646.31	STEEL POST, 1.1 LB/FT	EA	1.0
646.32	STEEL POST, 2.0 LB/FT	EA	4.0
647.31	RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SQUARE FEET)	EA	3.0
647.41	REMOVE AND STORE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SQUARE FEET)	EA	2.0
647.61	REM AND DISPOSE GROUND MOUNTED TYPE A SIGN SUPPORT(S), FDNS AND ANY ATTACHED SIGNS - SIZE I (UNDER 30 SQUARE FEET)	EA	1.0
662.01000107	REESTABLISHING ELECTRICAL UNDERGROUND SERVICE TO CUSTOMERS	LS	1.0
670.2603	RIGID PLASTIC CONDUIT, 3"	LF	370.0
670.42210002	LIGHTING METER CABINET WITH ALL COMPONENTS	EA	1.0
670.7002	SINGLE CONDUCTOR CABLE, NUMBER 2 GAGE	LF	696.0
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	60.0
680.5002	CONCRETE BASE FOR CONTROLLER CABINET	EA	7.0
680.510501	PULLBOX-RECTANGULAR, 26 X 18 INCH, REINFORCED CONCRETE	EA	56.0
680.520106	CONDUIT, METAL STEEL, ZINC COATED, 2"	LF	5175.0
680.520108	CONDUIT, METAL STEEL, ZINC COATED, 3"	LF	1120.0
680.520110	CONDUIT, METAL STEEL, ZINC COATED, 4"	LF	90.0
680.520203	TRAFFIC SIGNAL CONDUIT, FLEXIBLE LIQUID TIGHT STEEL, 1"	LF	520.0
680.53	CONDUIT JACKING OR BORING	LF	185.0
680.54	INDUCTANCE LOOP INSTALLATION	LF	4800.0
680.600836	TRAFFIC SIGNAL POLE-SPAN WIRE 8,000 POUND LOAD, 36 FEET LONG	EA	2.0
680.600838	TRAFFIC SIGNAL POLE-SPAN WIRE 8,000 POUND LOAD, 38 FEET LONG	EA	2.0

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:
S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409, S.H. 5194, S.H. 5656A, S.H. C67004
RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20
COUNTY: VARIOUS REGION: 02

PIN 2805.73	BRIDGES	CULVERTS
UTILITY QUALITY LEVEL B		

ALL DIMENSIONS IN M+ UNLESS OTHERWISE NOTED
ESTIMATE OF QUANTITIES

CONTRACT NUMBER D263402
DRAWING NO. EQQ-1 SHEET NO. 50

ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
680.621835	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 35 FEET ARM LENGTH	EA	1.0
680.621839	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 39 FEET ARM LENGTH	EA	1.0
680.621841	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 41 FEET ARM LENGTH	EA	1.0
680.622021	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 21 FEET ARM LENGTH	EA	1.0
680.622032	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 32 FEET ARM LENGTH	EA	1.0
680.622039	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 39 FEET ARM LENGTH	EA	1.0
680.622040	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 40 FEET ARM LENGTH	EA	1.0
680.6710	TRAFFIC SIGNAL POLE-POST TOP MOUNT 10 FEET MOUNTING HEIGHT	EA	11.0
680.7003	DUAL SPAN WIRE ASSEMBLY WITH LOWER TETHER WIRE	EA	2.0
680.700603	RISER ASSEMBLY, 1" DIAMETER	EA	1.0
680.71	SHIELDED LEAD-IN CABLE	LF	19990.0
680.72	INDUCTANCE LOOP WIRE	LF	14540.0
680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG	LF	5445.0
680.731014	SIGNAL CABLE 10 CONDUCTORS, 14 AWG	LF	400.0
680.750318	SHIELDED COMMUNICATION CABLE 3 PAIRS, 18 AWG	LF	458.0
680.78000001	MODIFY AND REMOVE TRAFFIC SIGNAL EQUIPMENT	LS	1.0
680.80324515	INSTALL MICROCOMPUTER CABINET	EA	3.0
680.80324708	MICROCOMPUTER CABINET BASE (ALUMINUM)	EA	3.0
680.810308	INSTALL BALL/ARROW LED TRAFFIC SIGNAL MODULE	EA	82.0
680.810601	TRAFFIC SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EA	82.0
680.8111	TRAFFIC SIGNAL BRACKET ASSEMBLY - 1 WAY	EA	8.0
680.8112	TRAFFIC SIGNAL BRACKET ASSEMBLY - 2 WAY	EA	2.0
680.81210004	TRAFFIC SIGNAL BRACKET ASSEMBLY - ONE WAY, MAST ARM MOUNT	EA	14.0
680.813105	PEDESTRIAN SIGNAL MODULE - 12 INCH BI-MODAL, HAND/MAN SYMBOLS LED	EA	14.0
680.813106	PEDESTRIAN SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EA	28.0
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY	EA	3.0
680.8142	PEDESTRIAN SIGNAL POST TOP MOUNT ASSEMBLY	EA	11.0
680.81500010	PEDESTRIAN COUNT-DOWN TIMER MODULE	EA	14.0
680.81990003	TRAFFIC SIGNAL BACKPLATES WITH YELLOW REFLECTIVE TAPE	EA	14.0

ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
680.8204	OVERHEAD SIGN ASSEMBLY, TYPE D	EA	2.0
680.82290010	ADA COMPLIANT PEDESTRIAN PUSHBUTTON WITH LATCHING LED INDICATION - WITH POST	EA	1.0
680.82300010	ADA COMPLIANT PEDESTRIAN PUSHBUTTON WITH LATCHING LED INDICATION	EA	13.0
680.90920008	ELECTRIC METER SOCKET, 200 AMP, SINGLE PHASE, 240/120 VOLT W/ BYPASS SWITCH FOR SIGNAL INSTALLATIONS	EA	6.0
680.94010003	WATERTIGHT DISCONNECT BOX - NEMA 4X	EA	3.0
680.94998008	INSTALL ELECTRICAL DISCONNECT GENERATOR TRANSFER SWITCH - STATE SUPPLIED	EA	3.0
680.95010615	SERVICE CABLE 1 CONDUCTOR, NO. 06 AWG	LF	3310.0
680.95600004	ELECTRICAL METER PAN	EA	3.0
683.04070202	CCTV CAMERA MOUNTING POLE WITH LOWERING DEVICES	EA	1.0
683.93103104	DYNAMIC MESSAGE SIGN (DMS) FULL MATRIX, FRONT ACCESS LED 10 CHARACTER, 3 LINES, AC	EA	3.0
685.11010004	WHITE EPOXY REFLECTORIZED PAVEMENT MARKING -20 MILS (SPECIAL STRIPES)	LF	5976.0
685.14	WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS - 20 MILS	EA	4.0
697.03	FIELD CHANGE PAYMENT	DC	48000.0
698.05	FUEL PRICE ADJUSTMENT	DC	100.0
698.06	STEEL/IRON PRICE ADJUSTMENT	DC	100.0
699.040001	MOBILIZATION	LS	1.0

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:
S.H. 219, S.H. 249, S.H. 303, S.H.864, S.H. 1409, S.H. 5194, S.H. 5656A, S.H. C67004
RTE 5, RTE 30, RTE 30A, RTE 920P, US RTE 20
COUNTY: VARIOUS REGION: 02

PIN 2805.73	BRIDGES	CULVERTS
UTILITY QUALITY LEVEL B		

ALL DIMENSIONS IN M+ UNLESS OTHERWISE NOTED
ESTIMATE OF QUANTITIES

CONTRACT NUMBER D263402
DRAWING NO. EQQ-2 SHEET NO. 51