

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

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (AS CUSTOMARY) REFERENCED IN THE CONTRACT PROJECT "PROPOSAL" EXCEPT AS MODIFIED BY CHANGES SET FORTH IN THE CONTRACT PROJECT PROPOSAL.

THE CONTRACT PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH NYS DOT POLICIES AND GUIDELINES AND THE FINAL DESIGN REPORT APPROVED ON 8/29/2023.

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

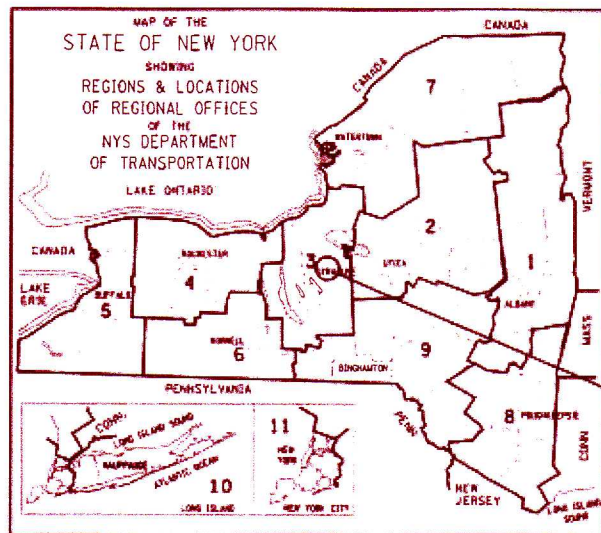
# MIDLAND AVENUE 2R PAVING PROJECT

## W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)

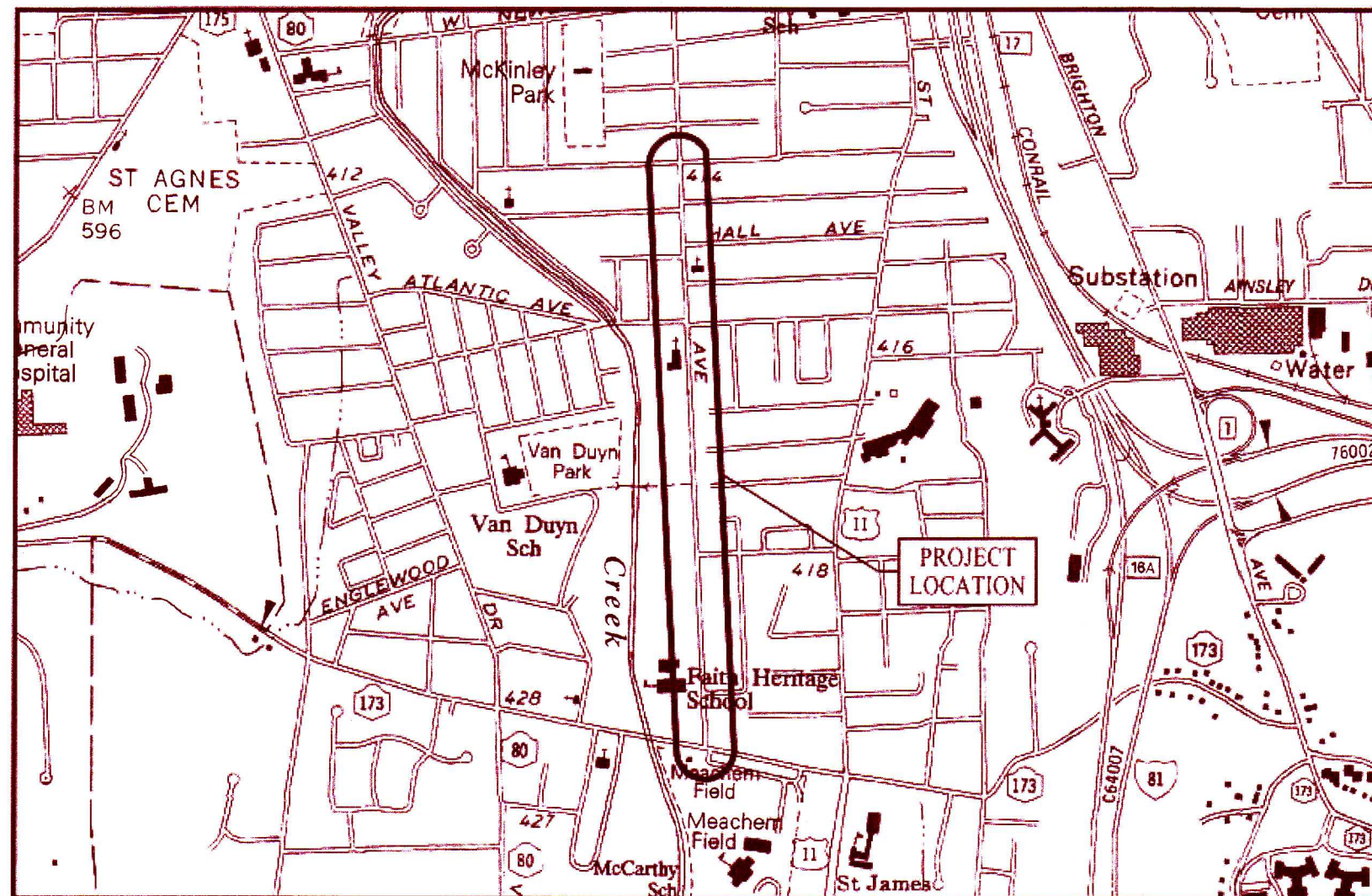
**PIN 3756.83**  
**D040388**

CITY OF SYRACUSE  
ONONDAGA COUNTY, NEW YORK

JULY 2025  
FEDERAL AID PROJECT



PROJECT LOCATION



PROJECT LOCATION

**FISHER**   
ASSOCIATES

WWW.FISHERASSOC.COM

PREPARED AND  
RECOMMENDED BY

*Tim Faulkner*

TIMOTHY FAULKNER, P.E.  
NYSPE LIC. NO. 077088  
FISHER ASSOCIATES, PE, LS, LA, DPC

6/18/2025  
DATE

APPROVED BY

*Mary E. Robison* 9/10/2025

MARY E. ROBISON, P.E.  
CITY ENGINEER, CITY OF SYRACUSE

DATE

MIDLAND AVENUE 2R PAVING PROJECT		
W. OSTRANDER AVENUE TO W. SENECA TURNPIKE (NY 173)		
CITY OF SYRACUSE		
ONONDAGA COUNTY, NEW YORK		
PIN 3756.83		
FED. ROAD REG. NO.	STATE	SHEET NO.
1	N.Y.	1
CAPITAL PROJECT IDENTIFICATION NO.		
INDEX ON SHEET NO. 2		

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ALIGNMENT		TOPOGRAPHY (MISCELLANEOUS)	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AH	AHEAD	ABUT	ABUTMENT
AZ	AZIMUTH	AOBE	AS ORDERED BY ENGINEER
BK	BACK	ASPH	ASPHALT
B	BASELINE	BOY	BOUNDARY
BRG	BEARING	BLDG	BUILDING
CL	CENTERLINE	BM	BENCH MARK
CS	CURVE TO SPIRAL	CC	CENTER TO CENTER
e	SUPERELEVATION RATE (CROSS SLOPE)	CONC	CONCRETE
EQ	EQUALITY	CONST	CONSTRUCTION
EXT	EXTERNAL	CR	COUNTY ROAD
HCL	HORIZONTAL CONTROL LINE	D	DEED DISTANCE
HSD	HEADLIGHT SIGHT DISTANCE	DM	DIRECT MEASUREMENT
L	LENGTH OF CIRCULAR CURVE	DWY	DRIVEWAY
LS	LENGTH OF SPIRAL	EP	EDGE OF PAVEMENT
LVC	LENGTH OF VERTICAL CURVE	ES	EDGE OF SHOULDER
E	CENTER CORRECTION OF VERTICAL CURVE	FEE	FEE ACQUISITION
M	MAIN LINE	FEE WO/A	FEE ACQUISITION WITHOUT ACCESS
PC	POINT OF CURVATURE	FP	FENCE POST
PI	POINT OF INTERSECTION	FD	FOUNDATION
POL	POINT ON LINE	FL	FENCE LINE
PSD	PASSING SIGHT DISTANCE	GAR	GARAGE
PT	POINT OF TANGENT	GR	GRAVEL
PVC	POINT OF VERTICAL CURVE	HO	HOUSE
PVI	POINT OF VERTICAL INTERSECTION	Hwy	HIGHWAY
PVT	POINT OF VERTICAL TANGENT	IP	IRON PIN OR IRON PIPE
R	RADIUS	MB	MAILBOX
SC	SPIRAL TO CURVE	MON	MONUMENT
SSD	STOPPING SIGHT DISTANCE	N&W	NAIL AND WASHER
ST	SPIRAL TO TANGENT	OG	ORIGINAL GROUND
STA	STATION	O/H	OVERHEAD
T	TANGENT LENGTH	P	PARCEL
TGL	THEORETICAL GRADE LINE	PAV'T	PAVEMENT
TS	TANGENT TO SPIRAL	PE	PERMANENT EASEMENT
VC	VERTICAL CURVE	PED POLE	PEDESTRIAN POLE
<b>TOPOGRAPHY (DRAINAGE)</b>			
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
BB	BOTTOM OF BANK (STREAM)	PL	PROPERTY LINE
BC	BOTTOM OF CURB	POR	PORCH
BO	BOTTOM OF OPENING	RR	RAILROAD
CAP	CORRUGATED ALUMINUM PIPE	RTE	ROUTE
CB	CATCH BASIN	ROW	RIGHT OF WAY
CIP	CAST IRON PIPE	RW	RETAINING WALL
C STRM	CENTERLINE OF STREAM	SH	STATE HIGHWAY
CMP	CORRUGATED METAL PIPE	SHLDR	SHOULDER
CP	CONCRETE PIPE	SPK	SPIKE
CSP	CORRUGATED STEEL PIPE	ST	STREET
CULV	CULVERT	STK	STAKE
DIA	DIAMETER	STY	STORY
DMH	DRAINAGE MANHOLE	SW	SIDEWALK
DS	DRAINAGE STRUCTURE PIPE	TE	TEMPORARY EASEMENT
D'XING	DITCH CROSSING	TO	TEMPORARY OCCUPANCY
EHW	EXTREME HIGH WATER	U/G	UNDERGROUND
EL	ELEVATION	WW	WING WALL
ELEV	ELEVATION		
ELW	EXTREME LOW WATER		
ES	END SECTION		
HW	HEADWALL		
INV	INVERT		
MH	MANHOLE		
MHW	MEAN HIGH WATER		
OHW	ORDINARY HIGH WATER		
OLW	ORDINARY LOW WATER		
RCP	REINFORCED CONCRETE PIPE		
SICPP	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE		
TB	TOP OF BANK (STREAM)		
TC	TOP OF CURB		
TG	TOP OF GRATE		
VCP	VITRIFIED CLAY PIPE		

TOPOGRAPHY (MISCELLANEOUS)		UTILITIES	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
ABUT	ABUTMENT	E	ELECTRIC
AOBE	AS ORDERED BY ENGINEER	EMH	ELECTRIC MANHOLE
ASPH	ASPHALT	G	GAS
BOY	BOUNDARY	GP	GUY POLE
BLDG	BUILDING	GSB	GAS SERVICE BOX (HOUSE LINE)
BM	BENCH MARK	GV	GAS VALVE (MAIN LINE)
CC	CENTER TO CENTER	HYD	HYDRANT
CONC	CONCRETE	LP	LIGHT POLE
CONST	CONSTRUCTION	LPG	LOW PRESSURE GAS
CR	COUNTY ROAD	PP	POWER POLE
D	DEED DISTANCE	SA	SANITARY SEWER
DM	DIRECT MEASUREMENT	SMH	SANITARY MANHOLE
DWY	DRIVEWAY	ST	STORM SEWER
EP	EDGE OF PAVEMENT	T	TELEPHONE
ES	EDGE OF SHOULDER	TCB	TRAFFIC CONTROL BOX
FEE	FEE ACQUISITION	TELBOX	TELEPHONE BOX
FEE WO/A	FEE ACQUISITION WITHOUT ACCESS	TEL P	TELEPHONE POLE
FP	FENCE POST	TMH	TELEPHONE MANHOLE
FD	FOUNDATION	CTV	CABLE TELEVISION
FL	FENCE LINE	W	WATER
GAR	GARAGE	WSB	WATER SERVICE BOX (HOUSE LINE)
GR	GRAVEL	WV	WATER VALVE (MAIN LINE)

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

STANDARD SYMBOL (PLANS)	ITEM PAYMENT UNIT: ESTIMATE OF QUANTITIES SHEET	EQUIVALENT NOMENCLATURE: (SPECS/PROPOSAL)
"	-	INCHES
'	LF	LINEAR FEET
mi	MI	MILES
ft²	SF	SQUARE FEET
YD²	SY	SQUARE YARD
AC	AC	ACRES
YD³	CY	CUBIC YARD
GAL	GAL	GALLON
lb	LB	POUND
TON	TON	TON

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REV	DESCRIPTION	DATE	BY
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FISHER ASSOCIATES  
 PROJECT NO. 200204.00  
 PROJECT MANAGER P. WLODARCZYK  
 DRAWN BY T. DAVIS  
 SCALE AS SHOWN  
 ISSUE DATE 7/18/2025



PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY

TITLE OF DRAWING: INDEX & ABBREVIATIONS

DRAWING NO. AB-01

SHEET 2 OF 60

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ALIGNMENT			LANDSCAPE			ROADWAY			TRAFFIC WORK ZONE		
STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION		TWZBT.P	BARRIER, TEMPORARY
	AC	CONTROL (CENTERLINE)		LABL	AREA, BRUSH LINE		RCZ.P	CLEAR ZONE		TWZBTWL.P	BARRIER, TEMPORARY, W/ WARNING LIGHTS
	AD.P	DETOUR		LAHR	AREA, HEDGE ROW		RG	GUIDE RAIL, MISCELLANEOUS		TWZCD.P	CHANNELIZING DEVICE
	AT.P	TRANSITION CONTROL		LAPB	AREA, PLANTING BED		RGB	GUIDE RAIL, BOX BEAM		TWZPMC.P	PAVEMENT MARKING REMOVAL OR COVERING
BRIDGE				LAWA	AREA, WOODED AREA OUTLINE		RGBM	GUIDE RAIL, BOX BEAM, MEDIAN	UTILITIES		
	BR	RAIL		LAWO	AREA, WATERS EDGE		RGC	GUIDE RAIL, CABLE	STYLE	NAME	DESCRIPTION
	BSHT	SHEET PILING		LAWL	CUT LIMIT		RGCB	GUIDE RAIL, CONCRETE BARRIER		UC	CONDUIT, UNDERGROUND
CONTROL				LCUT.P	CUT LIMIT		RGP.P	GUIDE POST		UCH	CONDUIT, HANGING
	CB	BASELINE		LFILL.P	FILL LIMIT		RGW	GUIDE RAIL, W BEAM		UCO	CONDUIT, OVERHEAD
	CBPR	BASELINE, PROJECTION		LFNC	FENCE		RGWM	GUIDE RAIL, W BEAM, MEDIAN		UE	ELECTRIC LINE, UNDERGROUND
DRAINAGE				LTRC	TREE ROW, CONIFEROUS		RPB	PARKING BUMPER		UEH	ELECTRIC LINE, HANGING
	DCP	CULVERT PIPE		LTRD	TREE ROW, DECIDUOUS		RRC	RAIL ROAD, CATENARY		UEO	ELECTRIC LINE, OVERHEAD
	DCP.P	CULVERT PIPE (DIR)		LWH	WALL, H PILE		RRER	RAIL ROAD, 3RD RAIL		UETO	ELECTRIC TRANSMISSION, OVERHEAD
	DDG.P	DITCH, GRASS LINED		LWR	WALL, RETAINING		RRPLS.P	RAIL, PHOTO, LARGE SCALE		UOSS	ELECTRIC, SUBSTATIONS
	DDP.P	DITCH, PAVED INVERT		LWS	WALL, STONE		RRPSS	RAIL, PHOTO, SMALL SCALE		UFO	FIBER OPTIC, UNDERGROUND
	DDS.P	DITCH, STONE LINED	ROW MAPPING				RRPSS	RAIL, PHOTO, SMALL SCALE		UFOH	FIBER OPTIC, HANGING
	DFL.P	FLOW LINE		MDL	DEED LINE		RRS	RUMBLE STRIP		UFOO	FIBER OPTIC, OVERHEAD
	DSSD	SLOTTED DRAIN		MEE	EASEMENT, EXISTING		RRSL.S.P	RAIL, SURVEY, LARGE SCALE		UG	GAS, UNDERGROUND
	DUD.P	UNDERDRAIN		MEP.P	EASEMENT, PERMANENT		RRSSS	RAIL, SURVEY, SMALL SCALE		UGH	GAS, HANGING
ENVIRONMENTAL				MEPA.P	EASEMENT, PERMANENT, APPROX.	SIGNS				UGO	GAS, OVERHEAD
	EBLHS	BALE, STRAW		MET.P	EASEMENT, TEMPORARY		SBLB	BILLBOARDS		UIC	INFORM CABLE, UNDERGROUND
	ECT	CURTAIN, TURBIDITY		META.P	EASEMENT, TEMPORARY, APPROX.		SM	MULTIPLE POST		UICH	INFORM CABLE, HANGING
	EDMC	DAM, COFFER		MF.P	FEE ACQUISITION, W/ ACCESS		SSO	STRUCTURE, OVERHEAD		UO	OIL LINE, UNDERGROUND
	EDMEC.P	DAM, EARTHEN CHECK		MFA.P	FEE ACQUISITION, APPROXIMATE		SSOC	STRUCTURE, OVHD. CANTILEVER		UOH	OIL LINE, HANGING
	EDMGSC.P	DAM, GRAVEL BAG/SAND BAG CHECK		MFS.P	FEE ACQUISITION, SHAPE	STRIPING				UPBP	POLE, BRACE, PUSH BRACE
	EDMPC.P	DAM, PREFABRICATED CHECK		MFWOA.P	FEE ACQUISITION, W/O ACCESS		STB*	BROKEN LINE		UPGW	POLE, GUY WIRE
	EDMSC.P	DAM, STONE CHECK		MHA	HISTORICAL, ACQUISITION		STDB*	DOUBLE BROKEN LINE		USA	SANITARY SEWER, UNDERGROUND
	EFNS	FENCE, SILT		MHB	HIGHWAY BOUNDARY		STD*	DOTTED LINE LONG		USAH	SANITARY SEWER, HANGING
	EFNSV	FENCE, SILT & VEGETATION		MHBA	HIGHWAY BOUNDARY, APPROX.		STDL*	DOTTED LINE SHORT		USAF	SANITARY SEWER, FORCE MAIN, UG
	EFNV	FENCE, VEGETATION		MHBW	Hwy BOUNDARY, FACE OF WALL		STDS*	DOTTED LINE SHORT		USAFH	SANITARY SEWER, FORCE MAIN, HANGING
	EWAA.P	WETLAND, ADJACENT AREA		MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS		STFB*	FULL BARRIER LINE		UT	TELEPHONE, UNDERGROUND
	EWI	WETLAND, FEDERAL		MJC	JURISDICTION, CITY		STH*	HATCH LINE		UTH	TELEPHONE, HANGING
	EWFS	WETLAND, FEDERAL AND STATE		MJCY	JURISDICTION, COUNTY		STPB*	PARTIAL BARRIER LINE		UTO	TELEPHONE, OVERHEAD
	EWL	WETLAND, MITIGATION AREA		MJHD	JURISDICTION, HISTORIC DISTRICT		STRCT	ROUNDABOUT, CAT TRACKS		UTV	CABLE TV, UNDERGROUND
	EWS	WETLAND, STATE		MJLL	JURIS., (GREAT, MILITARY) LOT LINE		STRYL	ROUNDABOUT, YIELD LINE		UTVH	CABLE TV, HANGING
				MJN	JURISDICTION, NATION		STSB	STOP BAR		UTVO	CABLE TV, OVERHEAD
				MJPB	JURISDICTION, PUBLIC LANDS		STSE*	SOLID, EDGE		UU	UNKNOWN, UNDERGROUND
				MJS	JURISDICTION, STATE		STXL	X WALK, LADDER LINE		UJH	UNKNOWN, HANGING
				MJT	JURISDICTION, TOWN		STXLB	X WALK, LADDER BAR LINE		LUO	UNKNOWN, OVERHEAD
				MJV	JURISDICTION, VILLAGE					UW	WATER LINE, UNDERGROUND
				MPL	PROPERTY LOT LINE					UWH	WATER LINE, HANGING
				MPLA	PROPERTY LOT LINE, APPROXIMATE					UWO	WATER LINE, OVERHEAD
				MSL	SUB LOT LINE						
						TRAFFIC CONTROL					
							TCSW	SIGNAL, SPAN WIRE			

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.

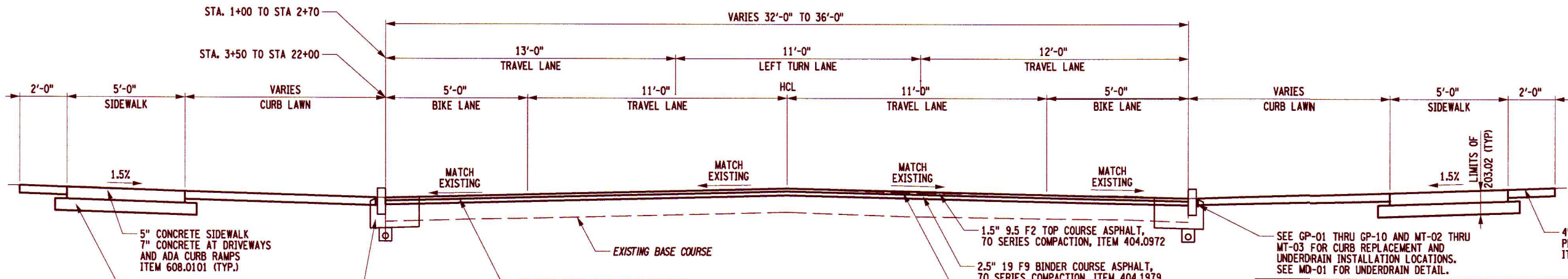
PROJECT	MIDLAND AVENUE 2R PAVING PROJECT
PROJECT MANAGER	P. WLODARCZYK
DRAWN BY	T. DAVIS
SCALE	AS SHOWN
ISSUE DATE	7/18/2025
PROJECT NO.	200204.00
DATE	7/18/2025
BY	
DESCRIPTION	
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STATE OF NEW YORK  
PROFESSIONAL ENGINEER  
972008  
JULY 18, 2025  
T. DAVIS

FISHER ASSOCIATES  
www.fisherassoc.com

DRAWING NO.  
LG-01

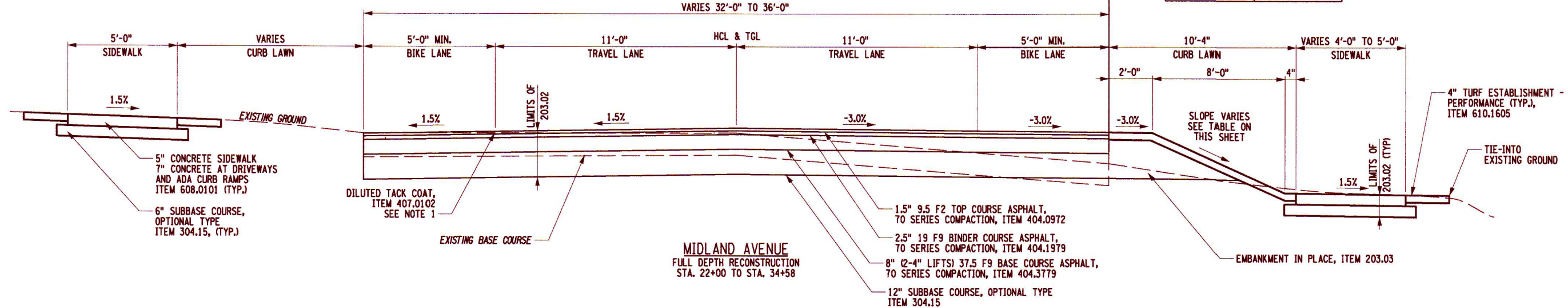
SHEET 3 OF 60



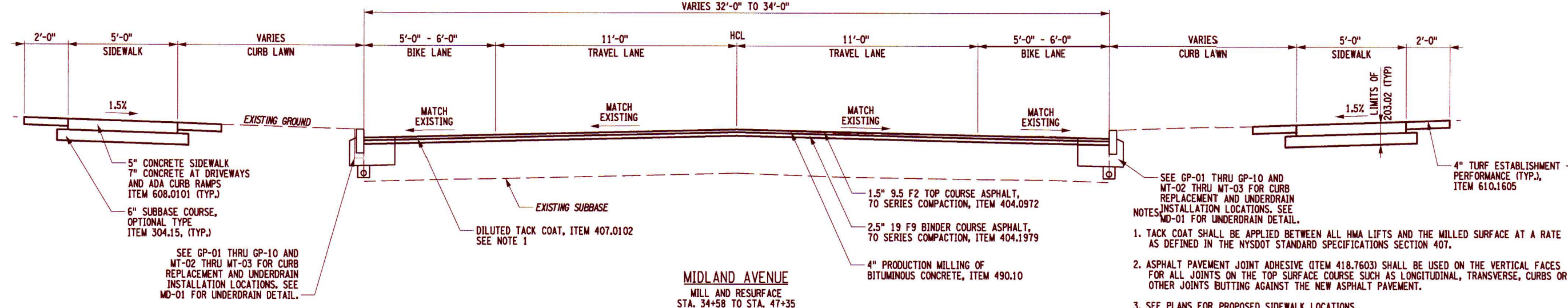
**MIDLAND AVENUE**  
MILL & RESURFACE  
STA. 1+00 TO STA. 22+00

**SIDEWALK LAWN SLOPE TABLE**

STA.	SLOPE	STA.	SLOPE
22+00 TO 22+50	EXISTING SIDEWALK REPLACEMENT	27+25 TO 28+00	TRANSITION
22+50 TO 23+90	7.0%	28+00 TO 29+00	9.0%
23+90 TO 24+10	TRANSITION	29+00 TO 29+50	TRANSITION
24+10 TO 25+50	15.0%	29+50 TO 33+79	2.5%
25+50 TO 26+00	TRANSITION	33+76 TO 34+58	EXISTING SIDEWALK REPLACEMENT
26+00 TO 27+25	19.0%		



**MIDLAND AVENUE**  
FULL DEPTH RECONSTRUCTION  
STA. 22+00 TO STA. 34+58

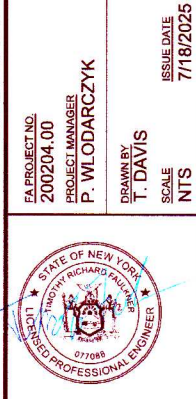


**MIDLAND AVENUE**  
MILL AND RESURFACE  
STA. 34+58 TO STA. 47+35

- NOTES:
- TACK COAT SHALL BE APPLIED BETWEEN ALL HMA LIFTS AND THE MILLED SURFACE AT A RATE AS DEFINED IN THE NYSDOT STANDARD SPECIFICATIONS SECTION 407.
  - ASPHALT PAVEMENT JOINT ADHESIVE (ITEM 418.7603) SHALL BE USED ON THE VERTICAL FACES FOR ALL JOINTS ON THE TOP SURFACE COURSE SUCH AS LONGITUDINAL, TRANSVERSE, CURBS OR OTHER JOINTS BUTTING AGAINST THE NEW ASPHALT PAVEMENT.
  - SEE PLANS FOR PROPOSED SIDEWALK LOCATIONS.

REV	DESCRIPTION	DATE	BY
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PROJECT NO. 200204.00  
PROJECT MANAGER P. WLODARCZYK  
DRAWN BY T. DAVIS  
SCALE NTS  
ISSUE DATE 7/18/2025



PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
W. OSSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
CITY OF SYRACUSE  
ONONDAGA COUNTY

TITLE OF DRAWING: TYPICAL SECTIONS

DRAWING NO. TS-01  
SHEET 4 OF 60

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**GENERAL NOTES**

1. THE CONTRACTOR SHALL FOLLOW THE PROVISIONS OF THE NYS DOT STANDARD SPECIFICATIONS, LATEST REVISION, ALL ADDENDA BULLETINS, AND ENGINEERING INSTRUCTIONS DISTRIBUTED BY NYS DOT EXCEPT AS MODIFIED BY THE "CONSTRUCTION CONTRACT DOCUMENTS".
2. ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATION NOT DESIGNATED FOR OTHER TREATMENT SHALL BE FINE GRADED, TOP SOILED AND SEEDED. FINE GRADING SHALL BE SHAPED TO ALLOW FOR SURFACE DRAINAGE AND RETURNED TO ITS ORIGINAL CONDITION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO EXISTING PAVEMENT, CURBS, SIDEWALKS, LAWN AREAS, TREES, AND OTHER EXISTING FEATURES OUTSIDE OF THE CONSTRUCTION LIMITS CAUSED BY HIS OPERATION. ALL SUCH DAMAGE SHALL BE REPAIRED OR REPLACED IN KIND TO THE SATISFACTION OF THE RESIDENT ENGINEER BY THE CONTRACTOR AT THE EXPENSE OF THE CONTRACTOR.
4. IN ACCORDANCE WITH ITEM 619.01 WORK ZONE TRAFFIC CONTROL, THE CONTRACTOR SHALL MAINTAIN DRAINAGE FACILITIES AND OTHER HIGHWAY ELEMENTS, OLD OR NEW. THE CONTRACTOR SHALL DEVOTE PARTICULAR ATTENTION TO ALL DRAINAGE FACILITIES KEEPING THEM FULLY OPERATIVE AT ALL TIMES.
5. THE OWNER SHALL OBTAIN ALL APPLICABLE STATE AND FEDERAL PERMITS UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS. HOWEVER, THE CONTRACTOR SHALL AT HIS OWN EXPENSE, OBTAIN ALL NECESSARY CITY PERMITS. THESE MAY INCLUDE, BUT SHALL NOT BE LIMITED TO ZONING, FILL, BLASTING, HAULING, DISPOSAL, SIGN, UTILITY CONNECTION, AND BUILDING PERMITS. THE CONTRACTOR SHALL SUBMIT COPIES OF ALL LOCAL PERMITS AND LICENSES TO THE RESIDENT ENGINEER
6. THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS FOR ALL INTERSECTING ROADWAYS, RESIDENCES AND BUSINESSES IN ACCORDANCE WITH SECTION 619 OF THE STANDARD SPECIFICATIONS. DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.
7. ALL SHOP DRAWINGS SUBMITTED FOR THIS PROJECT SHALL BE IN US CUSTOMARY UNITS.
8. THE COST OF ALL JOINT MATERIAL SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEMS OF THE CONTRACT, UNLESS OTHERWISE SPECIFIED ON THE PLANS.
9. NO ADDITIONAL PAYMENT WILL BE MADE FOR WORK CALLED FOR BY NOTES ON PLANS OR IN THE SPECIFICATIONS UNLESS PAYMENT IS SPECIFICALLY INDICATED BY ITEM NUMBER. THE COST OF WORK FOR WHICH NO PAYMENT ITEMS ARE INDICATED IS INCLUDED IN THE UNIT PRICE BID FOR VARIOUS ITEMS OF THE CONTRACT.

**SURVEY NOTES**

1. ALL PERMANENT SURVEY MARKERS, RIGHT-OF-WAY MONUMENTS, PROJECT SURVEY BASELINE CONTROL POINTS AND PROPERTY CORNERS ARE TO BE SAFEGUARDED AND PRESERVED UNLESS MARKED AS TO BE REPLACED IN THE CONTRACT DOCUMENTS. SHOULD A PERMANENT SURVEY MARKER, PROPERTY CORNER OR RIGHT-OF-WAY MONUMENT THAT IS TO REMAIN BE DISTURBED BY CONSTRUCTION ACTIVITIES, THE MARKER SHALL BE RESTORED BY A CERTIFIED N.Y.S. LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE MEETING THE REQUIREMENTS OF ITEM 625.05 FOR STEEL PIN AND CAP RIGHT-OF-WAY MARKERS, AND ITEM 625.06 FOR PERMANENT SURVEY MARKERS.
2. ALL OLD MONUMENTS, FRAMES, AND COVERS SHALL BECOME THE PROPERTY OF THE CITY OF SYRACUSE AT NO COST TO THE OWNER.

**PAVEMENT NOTES**

1. WHEN MATCHING INTO EXISTING PAVEMENT GRADES, CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT WITH A NEAT, STRAIGHT VERTICAL EDGE. THE CONTRACTOR SHALL WARP NEW PAVEMENT GRADES TO MATCH EXISTING PAVEMENT GRADES, SAW CUT A MINIMUM OF 2". THE COST TO CONSTRUCT AND SEAL THE JOINT SHALL BE INCLUDED IN THE ASSOCIATED ASPHALT ITEMS.
2. PRIOR TO PAVING SIDE STREETS, THE CONTRACTOR SHALL SAW CUT A NEAT STRAIGHT JOINT ACROSS INTERSECTION TO THE FULL DEPTH OF THE TOP COURSE. PAVING UP TO ROLLED OVER EDGES FROM PREVIOUS MAINLINE PAVING OPERATIONS WILL NOT BE ACCEPTABLE. THE COST TO SAW CUT, TACK COAT (IF NECESSARY) AND SEAL THESE JOINTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ASPHALT ITEMS. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK.

**PAVEMENT NOTES, CONTINUED**

3. AT ALL PAVEMENT LIMIT LINES A JOINT SEALER SHALL BE INSTALLED. THE COST TO CONSTRUCT THESE JOINTS ALONG WITH SEALING ALL JOINTS (INCLUDING JOINTS AT CENTERLINE OR JOINTS AT MAIN LINE TO SIDE STREET) SHALL BE INCLUDED IN THE PAYMENT FOR ASPHALT TOP.
4. SAW CUTS MADE IN THE ROADWAY ARE TO BE FULL DEPTH, WITH ALL OTHER SAW CUTS BEING A MINIMUM OF 2" DEPTH. SAW CUTS ARE TO BE MADE WHERE REQUIRED ON THE PLANS AND AS SHOWN ON THE DETAILS. THE COST OF ALL SAW CUTS IS TO BE INCLUDED IN THE RESPECTIVE WORK RELATED ITEMS), EXCEPT AS INDICATED ON THE TYPICAL SECTIONS. ALL SAW CUTS ARE TO BE SEALED WITH AN ASPHALT FILLER PER NYS DOT MATERIAL DESIGNATION 702-3401, THE COST OF WHICH IS TO BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE WORK RELATED ITEMS).
5. WHERE SIDEWALKS, DRIVEWAYS, AND OTHER PAVED AREAS ARE NOTED TO BE REMOVED ON THE PLANS, THE PAYMENT SHALL BE MADE BY THE RESPECTIVE ITEMS OR UNCLASSIFIED EXCAVATION, TOPSOIL INSTALLATION, AND SEEDING OR OTHER DESIGNATED SURFACE TREATMENT.
6. SAW CUTTING SHALL BE REQUIRED FOR ALL TRENCH WORK OUTSIDE OF THE RECONSTRUCTION AREAS. NEW GUTTER EDGES ABUTTING GUTTERS TO BE RETAINED, SIDE STREET WORK LIMITS, DRIVEWAY WORK LIMITS AND ALONG NEW CURBS IN PAVEMENT REHABILITATION AND MILLING AREAS. REGARDLESS OF THE STANDARD ITEM SPECIFICATION WORDING, NO SEPARATE PAYMENT WILL BE MADE FOR SAW CUTTING ON THIS PROJECT, EXCEPT AS INDICATED ON THE TYPICAL SECTIONS. THE COST FOR SAW CUTTING WILL BE INCLUDED IN THE RESPECTIVE BID ITEMS.
7. BLENDING THE NEW CURBING (WITH A 6" CURB REVEAL) TO THE EXISTING CURB SHALL BE DONE WITH A TRANSITION PIECE OF CURBING. THE TRANSITION CURB SLOPE SHALL BE A 1:12 MAXIMUM SLOPE AND A MINIMUM LENGTH OF 4'-0", AS DETAILED ON NYS DOT STANDARD SHEET 609-02. THE TRANSITION PIECE SHALL END AT THE CONTRACT LIMITS OR AS SHOWN ON THE PLANS.
8. PRIOR TO THE PLACEMENT OF THE ROADWAY STONE SUBBASE COURSE, THE SUBGRADE SHALL BE PROOF-ROLLED TO ENSURE A STABLE CONDITION, THE CONTRACTOR SHALL REPAIR ANY DEFECT IN THE SUBGRADE CONDITION PRIOR TO PLACEMENT OF THE STONE SUBBASE COURSE. THE CONTRACTOR SHALL ALSO SHAPE THE SUBGRADE TO THE PROPOSED CROSS SLOPE AND PROFILE PRIOR TO THE PLACEMENT OF ANY SUBBASE COURSE MATERIALS.
9. SUBBASE MATERIAL THAT IS CONTAMINATED PRIOR TO ASPHALT, CURB, AND SIDEWALK CONSTRUCTION WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

**UTILITY SPECIFIC**

1. THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ANY AFFECTED UTILITY COMPANIES.
2. EXISTING UTILITIES (LOCATIONS, SIZES, AND INVERTS) SHOWN ON THE PLANS HAVE BEEN PLOTTED FROM THE FIELD SURVEYS AND RECORD MAPS AND ARE NOT CERTIFIED AS TO THE ACCURACY OF THEIR LOCATION OR COMPLETENESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES AND STRUCTURES IN THE PATH OF OR CLOSELY PARALLEL TO OR UNDER THE PROPOSED CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITY OWNERS IN AMPLE TIME FOR THEM TO LOCATE AND MARK THEIR FACILITIES. THE CONTRACTOR SHALL ALSO NOTIFY CONTROL STAKEOUT AT LEAST 48 HOURS IN ADVANCE OF COMMENCING ANY WORK (UFPO TELEPHONE NO. 1-800-962-7962) AND ANY UTILITIES NOT SERVED BY UFPO.
3. THE LOCATION, DEPTHS, AND DATA AS TO UNDERGROUND CONDITIONS HAVE BEEN OBTAINED FROM RECORDS, SURFACE INDICATIONS, AND DATA FURNISHED BY OTHERS. THE CONTRACTOR SHALL BE AWARE THAT PAVEMENT TEST BORING DATA IS AVAILABLE FOR THIS PROJECT IN THE CONTRACT SPECIFICATIONS.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PRESERVE THE INTEGRITY OF EXISTING UTILITIES TO REMAIN AND SHALL PROVIDE UNINTERRUPTED SERVICE TO ALL USERS OF THE EXISTING UTILITIES. EXISTING UTILITIES TO REMAIN, ENCOUNTERED IN TRENCH OR PAVEMENT RECONSTRUCTION EXCAVATIONS SHALL BE SUPPORTED AS NECESSARY OR AS ORDERED BY THE RESIDENT ENGINEER. THE COST FOR SUPPORTING UTILITIES SHALL BE INCLUDED IN THE PRICE BID FOR EXCAVATION ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THESE UTILITIES CAUSED BY HIS OPERATIONS AND IF THE NATURE OF THE DAMAGE IS SUCH AS TO ENDANGER THE SATISFACTORY OPERATIONS OF THESE UTILITIES, REPAIRS MUST BE MADE BY THE CONTRACTOR OR THE UTILITY COMPANY, AS DETERMINED BY THE RESPECTIVE OWNING UTILITY COMPANY. ANY COSTS BORNE BY THE UTILITY COMPANY FOR THESE REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL COORDINATE WITH CITY SEWER AND WATER DURING CONSTRUCTION.

**WORK ZONE TRAFFIC CONTROL**

1. GENERAL WORK ZONE TRAFFIC CONTROL WILL BE REQUIRED FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH AND ERECT, MOVE AND REMOVE REFLECTORIZED CONSTRUCTION SIGNS, BARRICADES, PAVEMENT DELINEATION, AND EQUIPMENT NECESSARY TO SAFELY DIRECT MOTORISTS AND PEDESTRIANS A.O.B.E.
2. WORK ZONE TRAFFIC CONTROL MUST COMPLY WITH THE NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES WITH NEW YORK STATE SUPPLEMENT, SECTION 619 OF THE CURRENT NYS DOT STANDARD SPECIFICATIONS, THESE PLANS AND AS ORDERED BY THE RESIDENT ENGINEER.
3. NO NIGHT WORK SHALL BE ALLOWED.
4. AT THE TRAFFIC SIGNAL CONTROLLED INTERSECTIONS THE CONTRACTOR WILL ADJUST SIGNAL HEADS OVER THE CENTER OF THEIR RESPECTIVE TRAVEL LANES AND HIDE FROM SIGHT LANE DESIGNATION SIGNING AND PROTECTED TURN LANE SIGNAL PHASING THROUGH THE USE OF BAGS OR OTHER MEANS A.O.B.E. SIGNAL HEAD ADJUSTMENTS HORIZONTALLY ALONG THE SPANWIRE OR MASTARM AND DISTANCES FROM THE STOP BAR ARE TO BE IN ACCORDANCE WITH MUTCD AS WELL AS THE NYS SUPPLEMENTAL TRAFFIC SIGNAL TIMINGS/PHASING WILL NEED TO OPERATE IN A PRE-TIMED MODE. SIGNAL TIMINGS AND PHASING WILL BE PROVIDED BY THE ENGINEER AT THE TIME OF CONSTRUCTION. CONTRACTOR IS TO COORDINATE CLOSELY WITH THE RESIDENT ENGINEER AND THE CITY OF SYRACUSE ON ALL SIGNAL PHASING/TIMING AND SIGNAL HEAD LOCATION ADJUSTMENTS. PEDESTRIAN SIGNALS, PUSH BUTTON DETECTION AND TIMINGS SHALL BE MAINTAINED DURING CONSTRUCTION. THIS WORK WILL BE PAID FOR UNDER ITEM 619.01.

**HIGHWAY NOTES**

1. ROAD TO BE KEPT CLEAN OF DEBRIS AT ALL TIMES.
2. MATERIALS, EQUIPMENT AND VEHICLES ARE NOT TO BE STORED OR PARKED WITHIN THE CITY RIGHT-OF-WAY UNLESS THE CONTRACTOR MAKES PRIOR ARRANGEMENTS WITH THE CITY.
3. THE CONTRACTOR SHALL IDENTIFY AND COORDINATE WITH THE CITY OF SYRACUSE ANY NECESSARY ACCESS POINTS AND MATERIAL STORAGE AREAS.
4. ALL MATERIALS USED WITHIN THE RIGHT-OF-WAY MUST COMPLY WITH THE CURRENT NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S SPECIFICATIONS ALONG WITH ANY APPROPRIATE CURRENT NYS DEPARTMENT OF TRANSPORTATION'S STANDARD SHEETS.
5. PRIOR TO THE REMOVAL OF ANY PRIVATE SIGNS, FENCES, ETC. WITHIN THE ROW, THE CONTRACTOR SHALL GIVE THE PROPERTY OWNER(S) THREE (3) DAYS ADVANCE NOTICE.
6. THE CONTRACTOR SHALL RE-SEED ALL NON-PAVED DISTURBED AREAS UNDER ITEM 610.1605, TURF ESTABLISHMENT - PERFORMANCE, EXCEPT FOR TREE PITS. TREE PITS SHALL RECEIVE ITEM 610.1402, TURF ESTABLISHMENT - LAWNS AND ITEM 610.1404, TOPSOIL - SPECIAL PLANTING MIX. THE SPECIFIC MIX USED SHALL BE ITEM 610.1404.
7. A HIGHWAY WORK PERMIT WILL BE REQUIRED FROM NYS DOT REGION 3 DUE TO THE RESURFACING AND SIGNAL WORK AT THE MIDLAND AVENUE AND W. SENECA TURNPIKE INTERSECTION. CONTACT THE CITY ENGINEER AT 315-448-8200.
8. DAILY LANE AND SHOULDER CLOSURES SHALL NOT BE PERMITTED ON MIDLAND AVENUE DURING THE FOLLOWING HOLIDAY PERIODS:  
  
FRIDAY, MAY 23, 2025 THRU MONDAY, MAY 26, 2025 - (MEMORIAL DAY HOLIDAY)  
FRIDAY, JULY 4, 2025 THRU SUNDAY, JULY 6, 2025 - (JULY 4<sup>th</sup> HOLIDAY)  
FRIDAY, AUGUST 29, 2025 THRU MONDAY, SEPTEMBER 1, 2025 - (LABOR DAY HOLIDAY)  
WEDNESDAY, NOVEMBER 26, 2025 THRU SUNDAY, NOVEMBER 30, 2025 - (THANKSGIVING HOLIDAY)  
THURSDAY, DECEMBER 25, 2025 THRU SUNDAY, DECEMBER 28, 2025 - (CHRISTMAS HOLIDAY)  
THURSDAY, DECEMBER 31, 2025 THRU SUNDAY, JANUARY 4, 2026 - (NEW YEAR'S HOLIDAY)

**SUGGESTED CONSTRUCTION SEQUENCE**

1. INSTALL THE NECESSARY TRAFFIC CONTROL DEVICES.
2. INSTALL THE NECESSARY TEMPORARY EROSION CONTROL MEASURES.
3. PERFORM ALL DRAINAGE IMPROVEMENT WORK
4. INSTALL SIDEWALK RAMPS AND CURB.
5. MILL THE WEST SIDE OF THE ROADWAY AND INSTALL TEMPORARY STRIPING.
6. MILL THE EAST SIDE OF THE ROADWAY AND INSTALL TEMPORARY STRIPING.
7. INSTALL NEW SIDEWALK AND TREE PITS.
8. PERFORM CROSS-SLOPE AND PROFILE ADJUSTMENTS IN DESIGNATED LOCATIONS.
9. PLACE THE ASPHALT TOP COURSE AND STRIPE THE NEW PAVEMENT.
10. INSTALL TOPSOIL AND TURF ESTABLISHMENT.
11. REMOVE THE TEMPORARY EROSION CONTROL MEASURES.
12. REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES.

PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY		TITLE OF DRAWING GENERAL NOTES	
DRAWING NO. <b>GN-01</b>		SHEET 5 OF 60	
FA PROJECT NO. 200204.00 PROJECT MANAGER P. WLODARCZYK DRAWN BY T. DAVIS SCALE AS SHOWN	ISSUE DATE 7/18/2025	COPYRIGHT © 2025 FISHER ASSOCIATES, P.E. L.L.C. OF NEW YORK, P.C. New York State Registration License Number This License is for the person, address, and the location of the project. It is not to be assigned, loaned, or used in any way, in whole or in part, for any other project, location, or address. It is the responsibility of the licensee to ensure that the license is used in accordance with the terms of the license agreement, and a specific description of the location.	

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**SOIL EROSION AND SEDIMENT CONTROL NOTES:**

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO STARTING EARTHWORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL THE SOIL IS PERMANENTLY STABILIZED WITH SEEDING AND/OR MULCH.
- EROSION CONTROL AND SEDIMENTATION FACILITIES HAVE BEEN DESIGNED IN ACCORDANCE TO "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" - NOVEMBER 2016 OR LATEST EDITION. THE CONTRACTOR SHALL REFER TO THESE GUIDELINES AS WELL AS NYSDOT STANDARD SHEETS 209-1 THROUGH 209-7 FOR INSTALLATION AND MAINTENANCE OF THESE FACILITIES.
- ALL EROSION CONTROL ITEMS REQUIRED ON THE PLANS, IN THE SPECIFICATIONS, OR AS ORDERED BY THE RESIDENT ENGINEER SHALL BE PAID BY THE SEPARATE INDIVIDUAL PAY ITEMS IN THE CONTRACT. THE CONTRACTOR IS RESPONSIBLE TO INSTALL, MAINTAIN, AND REMOVE ALL EROSION CONTROL DEVICES. EROSION CONTROL ITEMS SHALL REMAIN IN PLACE UNTIL ORDERED TO BE REMOVED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL RESTRICT GRADING OPERATIONS TO AREAS INDICATED ON THE CONTRACT DRAWINGS. PERFORMING WORK OUTSIDE THE IDENTIFIED LIMITS SHALL NOT BE PERMITTED WITHOUT APPROVAL OF THE RESIDENT ENGINEER.
- INSPECTION, PERIODIC CLEANING AND MAINTENANCE OF TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SWPPP AND THE NYSDOT GENERAL PERMIT GP-0-10-001.
- OTHER EROSION AND SEDIMENT CONTROL MEASURES NOT ILLUSTRATED ON THE PLANS MAY BE NEEDED AOE. PAYMENT FOR ADDITIONAL WORK TO ENSURE COMPLIANCE WITH THE SWPPP WILL BE MADE UNDER THE APPROPRIATE CONTRACT ITEMS.
- THE CONTRACTOR WILL BE REQUIRED TO COMPLETE ALL TOPSOIL, SEEDING, SIDEWALK AND DRIVEWAY WORK PRIOR TO THE PLACEMENT OF THE TOP COURSE OF ASPHALT. ALL WORK WHICH MAY IMPACT THE INTEGRITY OF THE FINISHED ASPHALT WORK MUST BE COMPLETED PRIOR TO FINAL TOP PAVING, WITHOUT EXCEPTION.
- NO WET OR FRESH CONCRETE, LEACHATE, MATERIAL, OR DEBRIS SHALL BE ALLOWED TO ESCAPE INTO A WATER BODY OR WETLAND, NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER A WATER BODY OR WETLAND. ANY MATERIAL OR DEBRIS ACCIDENTALLY DROPPED INTO THE CHANNEL SHALL BE IMMEDIATELY AND COMPLETELY REMOVED AND DEPOSITED IN AN UPLAND AREA.
- THE CONTRACTOR SHALL COVER TEMPORARY STOCKPILES OF ERODIBLE MATERIAL (SUCH AS TOPSOIL OR EARTH FILL) WITH POLY SHEETING, OR RING THE STOCKPILES WITH SILT FENCE TO CONTROL EROSION. POLY SHEETING SHALL COMPLETELY COVER THE STOCKPILE AND BE SECURELY ANCHORED AT ALL TIMES. ANY POLY SHEETING OR SILT FENCE THAT IS DAMAGED SHALL BE PROMPTLY REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER. RINGED STOCKPILES EXPOSED OR EXPECTED TO BE EXPOSED FOR LONGER THAN 7 CALENDAR DAYS SHALL IMMEDIATELY BE STABILIZED WITH APPROPRIATE MEASURES. THE COST OF COVERING AND RINGING/STABILIZING STOCKPILES SHALL BE INCLUDED IN THE PRICE BID FOR THE CORRESPONDING STOCKPILED MATERIAL.
- THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE ENGINEER'S APPROVAL THAT SHOWS THE PROPOSED LOCATION OF ALL ERODIBLE MATERIAL STOCKPILES WITHIN THE PROJECT LIMITS, INCLUDING ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES TO BE USED (POLY SHEETING, SILT FENCE, TEMPORARY SEEDING AND MULCH, ETC). THE PLAN SHALL INCLUDE (AS NECESSARY) A CONSTRUCTION ENTRANCE TO EACH STOCKPILE AREA, WITH THE COST OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES INCLUDED IN THE PRICE BID FOR THE CORRESPONDING STOCKPILED MATERIAL ITEM.

**SITE STABILIZATION NOTES:**

- MINIMIZE EXPOSED SOILS WHEREVER POSSIBLE. THIS CAN BE ACCOMPLISHED THROUGH PROPER CONSTRUCTION SEQUENCING AND USE OF MULCH AND TEMPORARY SEEDING.
- THE CONTRACTOR SHALL INITIATE STABILIZATION MEASURES AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

**INVASIVE SPECIES MANAGEMENT AT CONTRACTOR STAGING AREAS**

- THE CONTRACTOR SHALL TAKE ALL PRUDENT AND REASONABLE EFFORTS TO SELECT STAGING AREAS THAT ARE FREE FROM THE INFESTATION OF THE FOLLOWING INVASIVE PLANT SPECIES; PHRAGMITES (PHRAGMITES AUSTRALIS), JAPANESE KNOTWEED (POLYGONUM CUSPIDATUM), PURPLE LOOSESTRIFE (LYTHRUM SALICARIA) AND GIANT HOGWEED (HERACLEUM MANTEGAZZIANUM).
- IF INVASIVE PLANT SPECIES ARE IN CLOSE PROXIMITY TO STAGING OPERATIONS, THE CONTRACTOR SHOULD TAKE THE NECESSARY STEPS TO ASSURE THAT NO INVASIVE SPECIES PLANT PARTS COME IN CONTACT WITH CONSTRUCTION VEHICLES, EQUIPMENT AND MATERIALS.
- IF CONTACT IS UNAVOIDABLE, AS PER SECTION 107-01A INVASIVE SPECIES OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR IS RESPONSIBLE FOR CLEANING THE INFECTED EQUIPMENT TO REMOVE ALL INVASIVE PLANT PARTS PRIOR TO THAT EQUIPMENT LEAVING THE STAGING AREA. THIS PROCEDURE IS REQUIRED IN ORDER TO MINIMIZE THE POSSIBILITY OF TRANSPORTING THE INVASIVE PLANT SPECIES OFF THE IMMEDIATE STAGING AREA AND ONTO STATE HIGHWAYS OR THE PROJECT SITE. REFER TO EI 09-002 AND USE ITEM 617.11000024, EQUIPMENT CLEANING FOR INVASIVE PLANT SPECIES, TO HELP ENSURE NO PLANT PARTS LEAVE THE JOBSITE.

**PLANTING NOTES:**

- SEE STANDARD SHEET 611-01 FOR LANDSCAPE PLANTING DETAILS.
- REFER TO MISCELLANEOUS DETAILS (PLANTING) FOR TREE AND/OR SHRUB BED PLANTING DETAIL. ALL TREES AND SHRUBS SHOWN AT THE STORMWATER POND SHALL BE PLANTED IN BEDS.
- ALL TREES AND SHRUBS SHALL BE INSPECTED FOR VARIETY, SIZE AND QUALITY PRIOR TO PLANTING.

**SIGNS OF CONTAMINATION:**

- IF, DURING EXCAVATION AT ANY LOCATION, SIGNS OF CONTAMINATION OR UNDERGROUND STORAGE TANKS ARE ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK AND NOTIFY THE EIC. SIGNS OF CONTAMINATION INCLUDE, BUT ARE NOT LIMITED TO: ODOR, OILY SHEEN, SLUDGE, SOIL STAINING AND UNUSUAL FILL MATERIAL. THE EIC SHALL IMMEDIATELY NOTIFY THE CONSTRUCTION ENVIRONMENTAL COORDINATOR.

**STREAM PROTECTION NOTES:**

- DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT OPERATIONS IN SUCH A MANNER AS TO PREVENT OR REDUCE TO A MINIMUM ANY DAMAGE TO ANY STREAM FROM POLLUTION BY DEBRIS, SEDIMENT, OR OTHER FOREIGN MATERIAL, OR FROM MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR SUCH STREAMS. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO A STREAM ANY WATER WHICH HAS BEEN USED FOR PURPOSES OR OTHER SIMILAR OPERATIONS WHICH CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL, OR OTHER IMPURITIES. IF THE CONTRACTOR USES WATER FROM A STREAM, THE CONTRACTOR SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM REQUIRED TO PROTECT AND MAINTAIN WATER RIGHTS AND TO SUSTAIN FISH LIFE DOWNSTREAM.

**THREATENED AND ENDANGERED SPECIES NOTES:**

- THE NORTHERN LONG EARED BAT (MYOTIS SEPTENTRIONALIS) IS LISTED AS A FEDERALLY THREATENED SPECIES STATEWIDE. THIS PROJECT HAS ANTICIPATED TREE REMOVALS GREATER THAN THREE (3) INCHES IN DIAMETER (DIAMETER BREST HEIGHT (DBH)). IF PROJECT CONDITIONS CHANGE AND TREE REMOVALS ARE NECESSARY, WHETHER UNDER CLEARING AND GRUBBING OR TREE REMOVALS, THE ENGINEER MUST BE NOTIFIED PRIOR TO THE START OF ANY TREE REMOVAL. TREE REMOVALS WILL BE ALLOWED ONLY AFTER COORDINATION AND APPROVAL BY THE ENGINEER IN CONSULTATION WITH THE CONSTRUCTION ENVIRONMENTAL COORDINATOR.

**TREE NOTES:**

- THE CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL TREES WITHIN THE RIGHT-OF-WAY AS ORDERED BY THE RESIDENT ENGINEER.
- NO TREES SHALL BE TRIMMED WITHOUT THE APPROVAL OF THE RESIDENT ENGINEER AND PROPERTY OWNER.
- NO TREES OVER 3" IN DIAMETER SHALL BE CUT BETWEEN APRIL 1 THROUGH OCTOBER 31.

**TOPSOIL PLACEMENT NOTES:**

- THE CONTRACTOR SHALL ACCOUNT FOR 25% SETTLING OF TOPSOIL DURING PLACEMENT. THE FINAL DEPTH OF TOPSOIL SHALL BE 4 INCHES IN ALL LOCATIONS UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL REPEAT THE WORK OF SECTION 610-3.01 AT NO ADDITIONAL COST TO THE OWNER IF AN ACCEPTABLE STAND OF TURF ESTABLISHMENT, LAWNS OR TURF ESTABLISHMENT HAS NOT BEEN PRODUCED IN ANY OF THESE SEEDED AREAS.

**WATERING VEGETATION NOTES:**

- ALL TURF ESTABLISHMENT AREAS SHALL BE WATERED.
- THE CONTRACTOR SHALL REPEAT THE WORK OF SECTION 610-3.10 FOR TURF AT NO ADDITIONAL COST TO THE OWNER IF AN ACCEPTABLE STAND OF TURF HAS NOT BEEN PRODUCED IN ANY SEEDED AREAS.

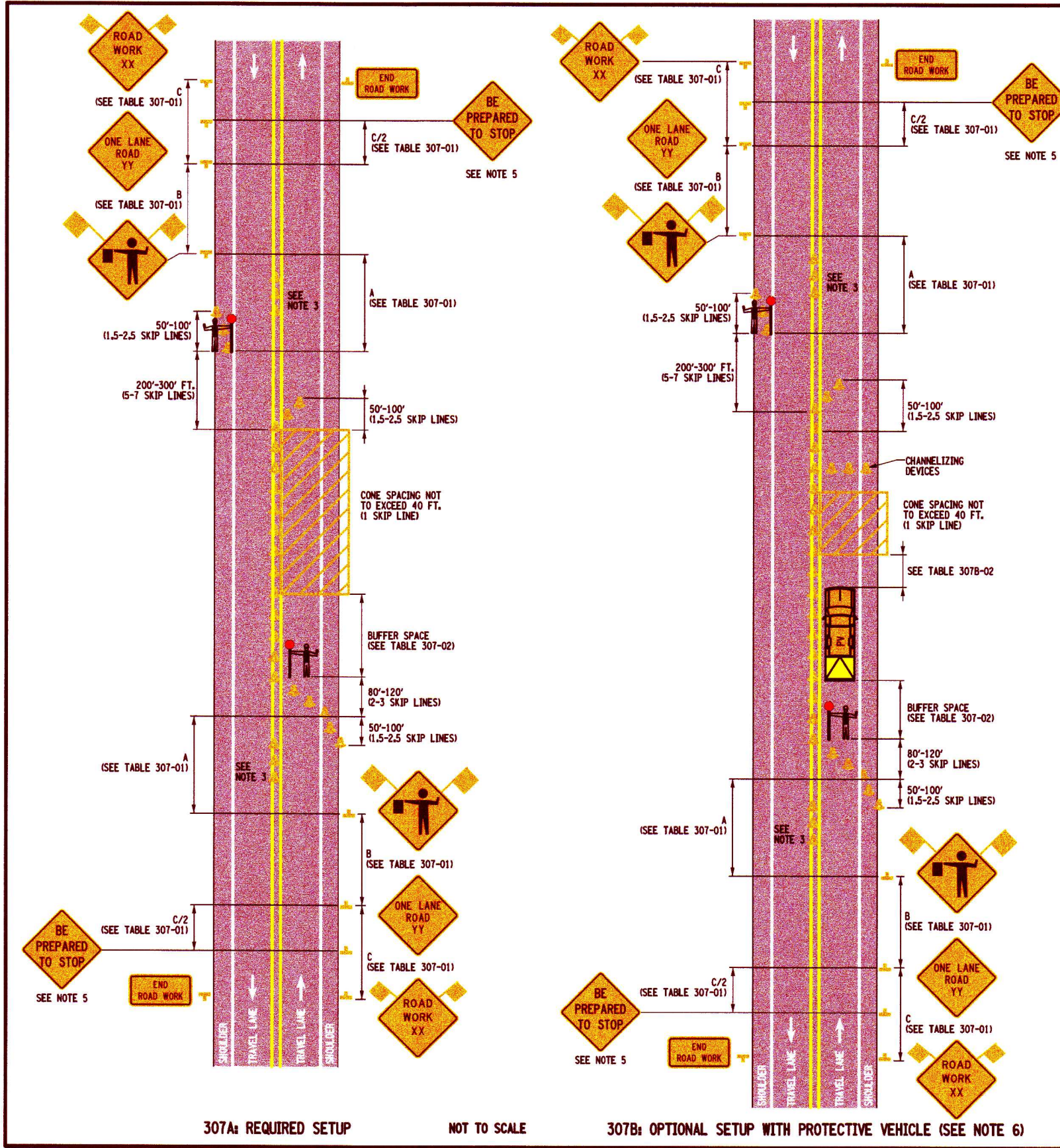
**WEED REMOVAL NOTES:**

- WEEDING SHALL OCCUR BEFORE ACCEPTANCE OF TURF ESTABLISHMENT, LAWN AREAS. WEEDING IS NOT REQUIRED AFTER ACCEPTANCE.
- THE CONTRACTOR SHALL REPEAT THE WORK OF SECTION 610-3.11 AT NO ADDITIONAL COST TO THE OWNER IF AN ACCEPTABLE STAND OF TURF ESTABLISHMENT, LAWNS HAS NOT BEEN PRODUCED IN ANY OF THESE SEEDED AREAS.

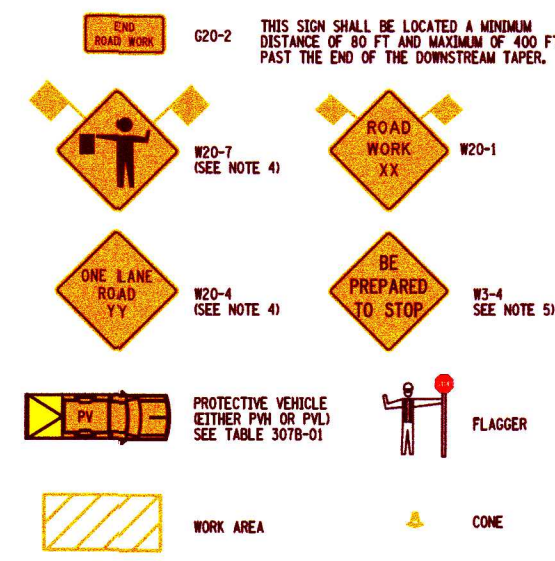
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PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY											
TITLE OF DRAWING ENVIRONMENTAL NOTES											
DRAWING NO. <b>EN-01</b>											
SHEET 5 OF 60											

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- NOTES:
- SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAY PERIOD.
  - IN URBAN CONDITIONS, ADVANCE WARNING SIGN SPACINGS MAY BE ADJUSTED IN ORDER TO ACCOMMODATE SIDE STREETS AND DRIVEWAYS, IF THERE IS A CONFLICT, MOVE THE SIGN UPSTREAM.
  - CENTERLINE CONES MAY BE ADDED TO ENHANCE THE VISIBILITY OF THE FLAGGER STATION, IF CONES ARE USED, PLACE THEM 100 FT. (MINIMUM) FROM FLAGGER.
  - FLAGGER SYMBOL SIGN (W20-7) AND "ONE LANE ROAD AHEAD" SIGN (W20-4) SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURRING.
  - IF THE TRAFFIC IS EXPECTED TO QUEUE PAST THE W20-4 SIGN, A W3-4 SIGN SHOULD BE ADDED.
  - PROTECTIVE VEHICLE WITH APPROPRIATE ROLL AHEAD DISTANCE MAY BE USED IN ADVANCE OF THE WORK AREA, IF DEEMED NECESSARY BY THE DOT ENGINEER OR THEIR DESIGNEE. TO USE PROTECTIVE VEHICLE, BUFFER SPACE SHALL BE PROVIDED ACCORDINGLY.
  - WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE ROADWAY WITHIN A WORK ZONE TRAFFIC CONTROL AREA, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES AND/OR FLAGGERS SHALL BE PLACED AS NEEDED. ADDITIONAL FLAGGERS SHALL BE LOCATED AT ALL INTERSECTIONS AND COMMERCIAL DRIVEWAYS LOCATED WITHIN OR NEAR THE ACTIVE WORK SPACE.
  - CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40' IN THE ACTIVE WORK SPACE.
  - CHANNELIZING DEVICES SHALL BE PLACED TRANSVERSELY A MINIMUM OF EVERY 800' AS SHOWN WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 800'.
  - ALL FLAGGERS SHALL USE 24" (MIN.) OCTAGON SHAPED STOP/SLOW PADDLES HAVING 6' STAFF. THE PADDLE IS THE PREFERRED DEVICE, BUT THE FLAG MAY BE USED AT INTERSECTIONS WHERE THE STOP/SLOW PADDLE WOULD OFFER CONTRADICTION TO DRIVERS TRAVELING IN OPPOSITE DIRECTIONS/LEGS OF THE INTERSECTION OR DURING INCIDENT MANAGEMENT SITUATIONS.



ERRATA 2 EFF. 09/01/23 ISSUED WITH EB 23-016	APPROVED DECEMBER 2, 2021 <i>Robert Limoges</i> ROBERT LIMOGES, P.E. DIRECTOR, OTSM	ISSUED UNDER EI 21-028  619-307
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REFER TO SHEET 2 OF 2 FOR ALL TABLES

**NEW YORK STATE OF OPPORTUNITY**  
**Department of Transportation**

U.S. CUSTOMARY STANDARD SHEET

**WORK ZONE TRAFFIC CONTROL  
 TWO-LANE TWO-WAY ROADWAY  
 LANE CLOSURE WITH FLAGGERS  
 SHORT TERM OPERATION  
 (SHEET 1 OF 2)**

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REV		DESCRIPTION		
7/18/2025		AS SHOWN		
T. DAVIS		SCALE		
P. WLODARCZYK		PROJECT MANAGER		
200204.00		EA PROJECT NO.		
<p>STATE OF NEW YORK                  PROFESSIONAL ENGINEER                  071068</p> <p><b>FISHER ASSOCIATES</b>                  WWW.FISHERASSOC.COM</p>				
<p>PROJECT: MIDLAND AVENUE 2R PAVING PROJECT                  W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)                  CITY OF SYRACUSE                  ONONDAGA COUNTY</p> <p>TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL</p>				
DRAWING NO. <b>WZTC-1</b>				
SHEET 6 OF 60				

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**TABLE 307-01: ADVANCE WARNING SIGN SPACING**

ROAD TYPE	DISTANCE BETWEEN SIGNS			SIGN LEGEND	
	A (FT.)	B (FT.)	C (FT.)	XX	YY
URBAN (≤ 30 MPH*)	100	100	100	AHEAD	AHEAD
URBAN (35-40 MPH*)	200	200	200	AHEAD	AHEAD
URBAN (≥ 45 MPH*)	350	350	350	1000 FT.	AHEAD
RURAL	500	500	500	1500 FT.	1000 FT.

\* PRECONSTRUCTION POSTED SPEED LIMIT

**TABLE 307-02: LONGITUDINAL BUFFER SPACE**

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	LONGITUDINAL BUFFER SPACE DISTANCE (FT.) / * OF SKIP LINES
25	155/4
30	200/5
35	250/6
40	305/8
45	360/9
50	425/11
55	495/13

**TABLE 307-03: REQUIRED SIGN SIZES\***

SIGN	NON-FREEWAY	FREEWAY
G20-2	36x18	48x24
W3-4	36x36	48x48
W20-1	36x36	48x48
W20-4	36x36	48x48
W20-7	36x36	48x48
WARNING FLAG	18x18	18x18

\*FREEWAY SIZES MAY BE USED ON NON-FREEWAY, IF SPACE CONSTRAINTS DO NOT EXIST.

**TABLE 307B-01: PROTECTIVE VEHICLE REQUIREMENTS**

CLOSURE TYPE	ROAD TYPE & SPEED EXPOSURE CONDITIONS (SEE NOTE 1)	NON-FREEWAY		
		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH
LANE CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PVH+TMIA	PVL+TMIA	PVL
	-NO WORKERS ON FOOT -NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (EQUIPMENT, MATERIALS)	PVH+TMIA	PVL	SEE NOTE 2
SHOULDER CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PVH+TMIA	PVL	PVL
	-NO WORKERS ON FOOT -NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (EQUIPMENT, MATERIALS, EXCAVATION)	PVH+TMIA	PVL	SEE NOTE 2

**LEGEND**  
 PVL - PROTECTIVE VEHICLE LIGHT (MINIMUM GROSS WEIGHT 9,500 LBS. OR GREATER) (SEE NOTE 4)  
 PVH - PROTECTIVE VEHICLE HEAVY (MINIMUM GROSS WEIGHT 22,000 LBS. OR GREATER)  
 TMIA - TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR

**NOTES**  
 1. THE EXPOSURE CONDITIONS ASSUME THERE IS NO POSITIVE PROTECTION PRESENT.  
 2. EITHER A PROTECTIVE LIGHT (PVL) OR THE STANDARD BUFFER SPACE (SEE TABLE 011-03) SHALL BE PROVIDED.  
 3. TRUCK/TRAILER MOUNTED IMPACT ATTENUATORS (TMIA) SHALL NOT BE MOUNTED/INSTALLED ON VEHICLES WITH A GROSS VEHICLE WEIGHT (GVW) LESS THAN WHAT IS MINIMALLY REQUIRED BY THE MANUFACTURER OF THE TMIA.  
 4. THE USE OF A PROTECTIVE VEHICLE LIGHT (PVL) AS A SHADOW VEHICLE IS LIMITED TO NON-FREEWAY ROADWAYS WHERE THE POSTED SPEED LIMITS IS ≤ 40 MPH UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

**TABLE 307B-02: ROLL AHEAD DISTANCE FOR PROTECTIVE VEHICLES**

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	ROLL AHEAD DISTANCE (FT.) / * OF SKIP LINES FOR VEHICLES	
	STATIONARY OPERATION	
	PROTECTIVE VEHICLES WEIGHING 9,500 TO 21,999 LBS. GVW	PROTECTIVE VEHICLES WEIGHING 22,000 LBS. OR GREATER GVW
45 - 55	160/4	120/3
≤ 40	120/3	80/2

**NEW YORK STATE OF OPPORTUNITY** | **Department of Transportation**

U.S. CUSTOMARY STANDARD SHEET

**WORK ZONE TRAFFIC CONTROL  
 TWO-LANE TWO-WAY ROADWAY  
 LANE CLOSURE WITH FLAGGERS  
 SHORT TERM OPERATION  
 (SHEET 2 OF 2)**

APPROVED DECEMBER 2, 2021 | ISSUED UNDER EI 21-028

Robert Limoges  
 ROBERT LIMOGES, P.E.  
 DIRECTOR, OTSM

619-307

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PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY

TITLE OF DRAWING: WORK ZONE TRAFFIC CONTROL

DRAWING NO.: **WZTC-2**

SHEET 7 OF 60

DATE: \_\_\_\_\_ BY: \_\_\_\_\_

REV: \_\_\_\_\_ DESCRIPTION: \_\_\_\_\_

7 6 5 4 3 2 1

ISSUE DATE: 7/18/2025

AS SHOWN

SCALE: AS SHOWN

DRAWN BY: T. DAVIS

PROJECT MANAGER: P. WLODARCZYK

FA PROJECT NO.: 200204.00

NEW YORK STATE ENGINEER

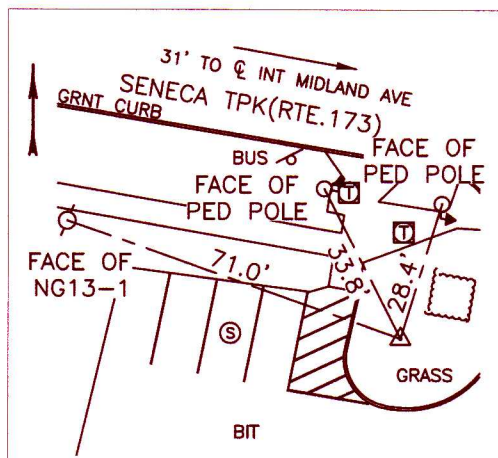
INDO RICHARD FISHBEIN

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STATE OF NEW YORK

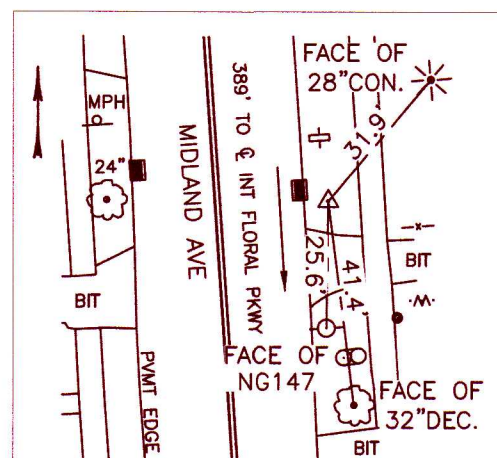
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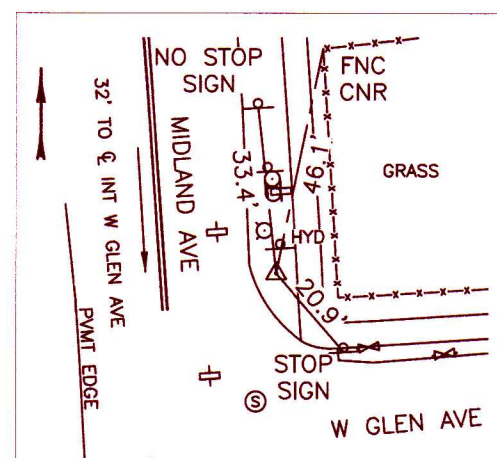
NOT TO SCALE

STA. 10+00.00 CBP-1  
 N: 1093774.152 CAPPED IRON  
 E: 936921.317 ROD IN GRASS  
 CAPPED IRON ROD SET ON THE SOUTHERLY SIDE OF SENECA TPK(RTE.173), 31'+/- WESTERLY OF THE INTERSECTION OF MIDLAND AVE AND SENECA TPK(RTE.173)



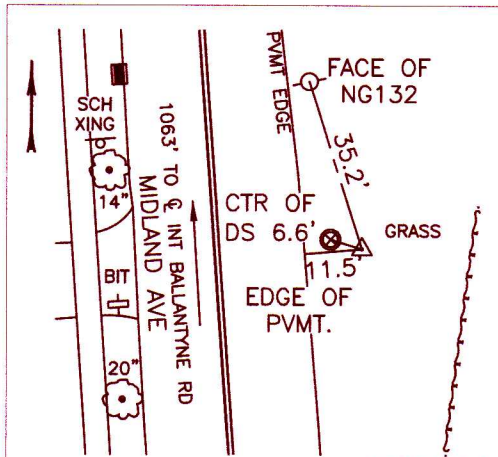
NOT TO SCALE

STA. 18+82.743 CBP-2  
 N: 1094656.894 CAPPED IRON  
 E: 936922.327 ROD IN GRASS  
 CAPPED IRON ROD SET ON THE EASTERLY SIDE OF MIDLAND AVE, 389'+/- NORTHERLY OF THE INTERSECTION OF MIDLAND AVE AND FLORAL PKWY



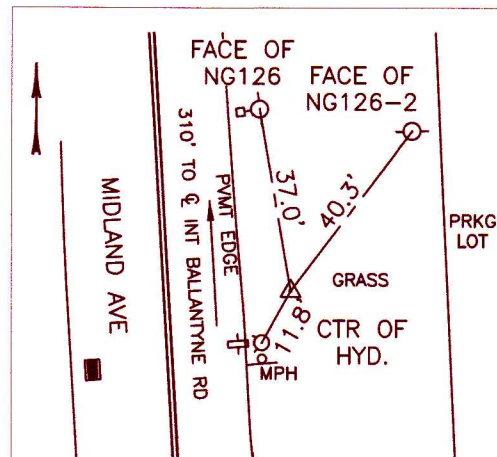
NOT TO SCALE

STA. 26+14.160 CBP-3  
 N: 1095386.700 CAPPED IRON  
 E: 936873.807 ROD IN GRASS  
 CAPPED IRON ROD SET ON THE EASTERLY SIDE OF MIDLAND AVE, 32'+/- NORTHERLY OF THE INTERSECTION OF MIDLAND AVE AND W GLEN AVE



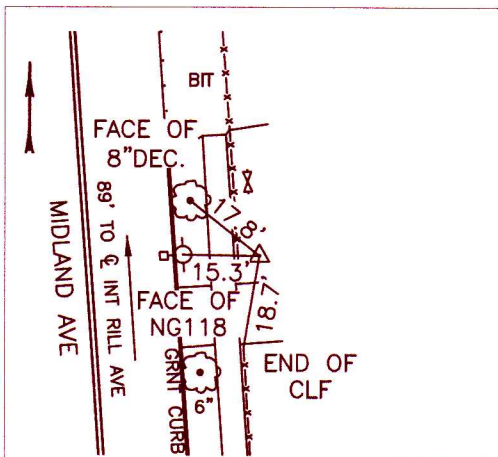
NOT TO SCALE

STA. 33+82.292 CBP-4  
 N: 1096153.264 CAPPED IRON  
 E: 936824.747 ROD IN GRASS  
 CAPPED IRON ROD SET ON THE EASTERLY SIDE OF MIDLAND AVE, 1063'+/- SOUTHERLY OF THE INTERSECTION OF MIDLAND AVE AND BALLANTYNE RD



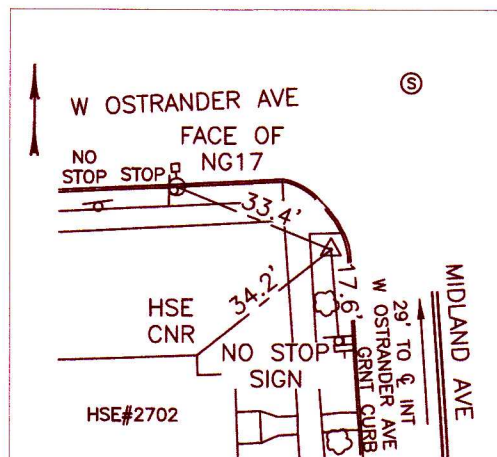
NOT TO SCALE

STA. 41+34.218 CBP-5  
 N: 1096903.104 CAPPED IRON  
 E: 936768.777 ROD IN GRASS  
 CAPPED IRON ROD SET ON THE EASTERLY SIDE OF MIDLAND AVE, 310'+/- SOUTHERLY OF THE INTERSECTION OF MIDLAND AVE AND BALLANTYNE RD



NOT TO SCALE

STA. 48+72.647 CBP-6  
 N: 1097640.545 CAPPED IRON  
 E: 936730.601 ROD IN GRASS  
 CAPPED IRON ROD SET ON THE EASTERLY SIDE OF MIDLAND AVE, 89'+/- SOUTHERLY OF THE INTERSECTION OF MIDLAND AVE AND RILL AVE



NOT TO SCALE

STA. 56+74.994 CBP-7  
 N: 1098435.259 CAPPED IRON  
 E: 936620.189 ROD IN GRASS  
 CAPPED IRON ROD SET ON THE WESTERLY SIDE OF MIDLAND AVE, 29'+/- SOUTHERLY OF THE INTERSECTION OF MIDLAND AVE AND W OSTRANDER AVE

NOTES:  
 THE BASELINE & BENCHMARK TIES SHOWN WERE ESTABLISHED IN MARCH OF 2023, FOR THE PROPOSED MIDLAND AVE PAVING PROJECT (OSTRANDER AVE TO SENECA TPK(RTE.173)), - PIN 3756.83.

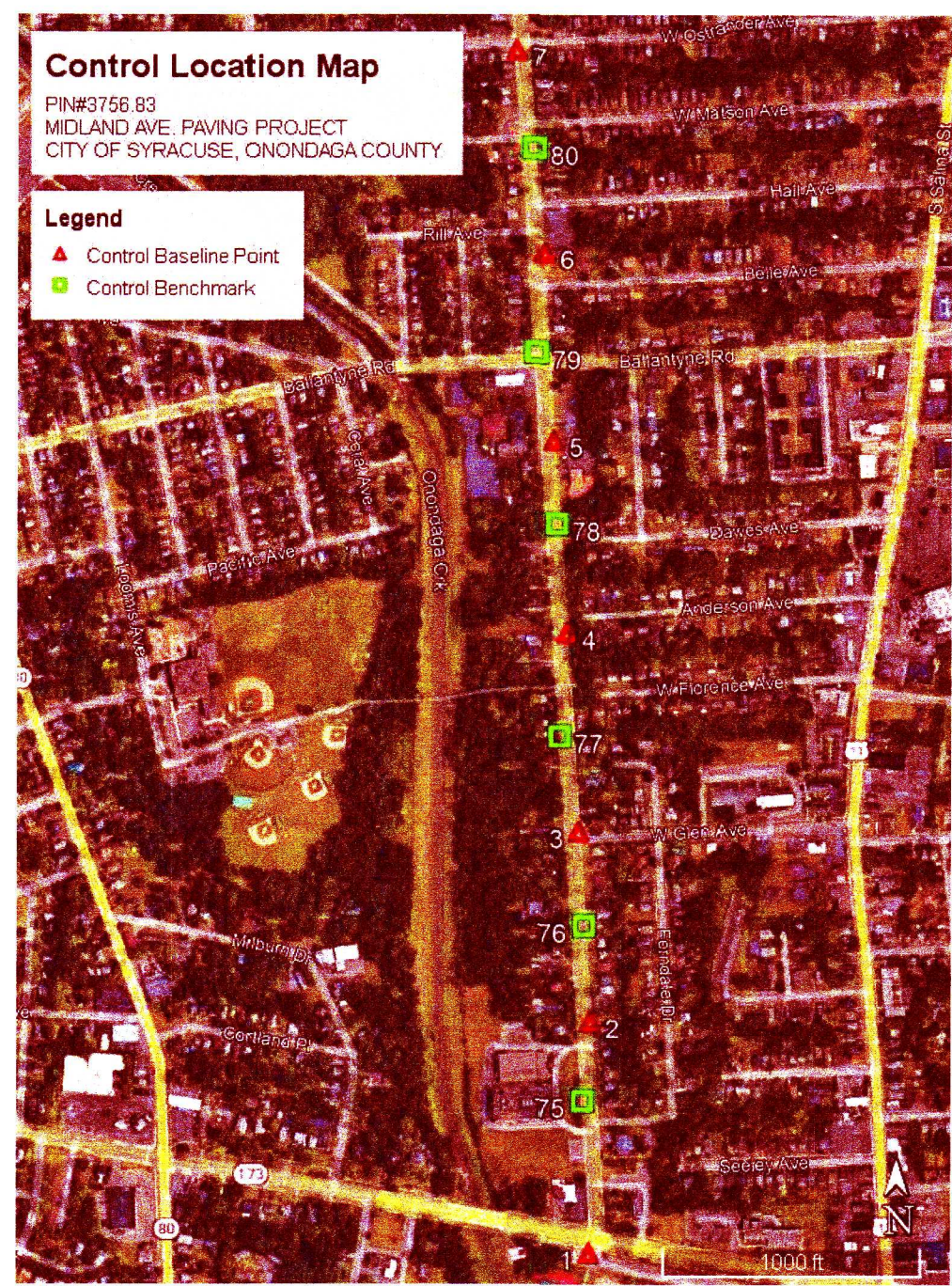
THE SITE DATUM WAS ESTABLISHED USING THE NYSNET CORS NETWORK AND VERIFIED INDEPENDENTLY WITH AN OPUS SOLUTION ON BASELINE 5. HORIZONTAL DATUM IS REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, NAD83(CORS2011) CENTRAL ZONE. VERTICAL DATUM IS NAVD88 (GEOID18). THE APPLIED AVERAGE COMBINED SCALE FACTOR FOR THIS PROJECT SITE IS 0.99993845. A TOTAL STATION TRAVERSE WAS NOT UTILIZED FOR THIS PROJECT.

ONSITE COORDINATES WERE ESTABLISHED USING SURVEY GRADE RTK METHODS UTILIZING AN ONSITE BASE HOLDING THE VALUES OF CBP-5. ALL BASELINE AND BENCHMARKS WERE SUBJECT TO REDUNDANCY CHECKS USING THE NYSNET CORS NETWORK.

FINAL ELEVATIONS OF ONSITE BASELINE AND BENCHMARKS WERE ESTABLISHED UTILIZING CLOSED LEVEL LOOPS, HOLDING THE ELEVATION OF CBP-5. A MINIMUM OF THIRD ORDER CLOSURES WERE ACCOMPLISHED FOR THE ONSITE LEVEL LOOPS.

ALL AZIMUTHS AND BEARINGS ARE REFERRED TO GRID NORTH.  
 ALL MEASUREMENTS ARE US SURVEY FEET.

- BENCHMARKS:**
- BM-75: STA.15+80.93 LEFT 29.15' EL.424.07'  
 "X" CUT ON NORTHERLY PART OF A TELECOMMUNICATION MANHOLE, ON THE WESTERLY SIDE OF MIDLAND AVE, 86± NORTHERLY OF THE INTERSECTION OF MIDLAND AVE AND FLORAL PKWAY.
  - BM-76: STA.22+51.65 LEFT 2.44' EL.422.94'  
 R.R SPIKE IN WESTERLY SIDE OF UTILITY POLE NG143, ON THE EASTERLY SIDE OF MIDLAND AVE, 332± SOUTHERLY OF THE INTERSECTION OF MIDLAND AVE AND W GLEN AVE.
  - BM-77: STA.29+86.89 LEFT 53.35' EL.415.55'  
 "X" CUT ON NORTHERLY PART OF A TELECOMMUNICATION MANHOLE, ON THE WESTERLY SIDE OF MIDLAND AVE, 403± NORTHERLY OF THE INTERSECTION OF MIDLAND AVE AND W GLEN AVE.
  - BM-78: STA.38+04.60 LEFT 11.18' EL.414.58'  
 R.R SPIKE IN WESTERLY SIDE OF UTILITY POLE NG129, ON THE EASTERLY SIDE OF MIDLAND AVE, 623± SOUTHERLY OF THE INTERSECTION OF MIDLAND AVE AND OSTRANDER AVE.
  - BM-79: STA.44+80.24 LEFT 49.91' EL.414.10'  
 "X" CUT ON SOUTHERLY PART OF A TRAFFIC SIGNAL MANHOLE, ON THE WESTERLY SIDE OF MIDLAND AVE, 31± NORTHERLY OF THE INTERSECTION OF MIDLAND AVE AND OSTRANDER AVE.
  - BM-80: STA.52+81.65 RIGHT 14.83' EL.412.37'  
 "X" CUT ON NORTHERLY PART OF A SEWER MANHOLE, ON THE EASTERLY SIDE OF MIDLAND AVE, 38± SOUTHERLY OF THE INTERSECTION OF MIDLAND AVE AND W MATSON AVE.



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PROJECT NO. 200204.00  
 PROJECT MANAGER P. WLODARCZYK  
 DRAWN BY J. GONZALES  
 SCALE AS SHOWN  
 ISSUE DATE 7/19/2025

STATE OF NEW YORK  
 COUNTY OF ONONDAGA  
 J. GONZALES  
 REGISTERED PROFESSIONAL ENGINEER  
 071588

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PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY  
 TITLE OF DRAWING: BASELINE TIES AND BENCHMARKS

**BLT-01**  
 SHEET 8 OF 80

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**DRAINAGE STRUCTURE TABLE**

ITEM 203.06 - SELECT FILL  
 ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION  
 ITEM 604.500301 - SPECIAL DRAINAGE STRUCTURE  
 ITEM 604.070301 - ALTER DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES  
 ITEM 604.07240110 - REBUILDING TOP OF EXISTING DRAINAGE STRUCTURE  
 ITEM 604.07290010 - REPAIR WALLS OF EXISTING DRAINAGE STRUCTURES  
 ITEM 621.04 - CLEANING DRAINAGE STRUCTURES  
 ITEM 655.25010005 - FURNISH AND/OR INSTALL INLET ASSEMBLY, AS SPECIFIED  
 ITEM 655.16000011 - REMOVE AND DISPOSE OF FRAMES AND GRATES

ID. NO	STATION	OFFSET	SIDE	EXISTING T.O.G. ELEVATION	PROPOSED T.O.G. ELEVATION	EXISTING INVERT ELEV.	EXISTING PIPE DESCRIPTION (DIRECTION)	ITEM 203.06 (CY)	ITEM 206.0201 (CY)	ITEM 604.070301 (EA)	ITEM 604.07290010 (SF)	ITEM 604.07240110 (EA)	ITEM 604.500301 (LF)	ITEM 621.04 (EA)	ITEM 655.16000011 (EA)	ITEM 655.25010005 (EA)	REMARKS
DS1-1	1+89	28.8	LT	-	-	-	-	-	2.5	-	-	-	4.50	-	-	1	NEW ARCTIC ISLE DRY WELL
DS 2-1	9+38	14.9	LT	422.63	MATCH EXISTING	-	-	-	-	-	-	-	-	-	1	1	
DS 4-1	15+96	17.7	RT	419.77	MATCH EXISTING	-	-	-	-	-	-	-	-	-	1	1	
DS 5-1	21+35		RT	-	-	-	-	-	-	-	-	-	-	-	-	-	NO WORK PROPOSED
DS 5-2	21+60	17.2	LT	414.04	MATCH EXISTING	UNKNOWN	UNKNOWN (E)	0.5	1.2	-	-	-	2.90	-	1	1	REPLACE STRUCTURE ALONG NEW E.O.P. NEW STRUCTURE IS IN LINE WITH EXISTING PIPE. COST TO TRIM EXISTING PIPE TO BE INCLUDED IN COST OF THE NEW STRUCTURE.
DS 5-3	24+67	16.7	LT	414.39	414.35	UNKNOWN	UNKNOWN (E)	1.6	4.2	-	-	-	6.80	-	1	1	REPLACE STRUCTURE ALONG NEW E.O.P. NEW STRUCTURE IS IN LINE WITH EXISTING PIPE. COST TO TRIM EXISTING PIPE TO BE INCLUDED IN COST OF THE NEW STRUCTURE.
DS 6-1	27+80	13.8	LT	414.19	414.29	411.39	12" HOLE (E)	0.9	2.4	-	-	-	3.80	1	1	1	
DS 6-2	29+77	14.1	LT	414.00	414.27	410.60	12" RCP (E)	1.0	2.7	-	-	-	4.40	-	1	1	REPLACE WITH STRUCTURE ON FLOW LINE
DS 7-1	30+69	15.2	RT	413.17	413.78	409.77	UNKNOWN (W)	1.0	2.7	-	-	-	4.40	-	1	1	
DS 7-2	31+68	15.4	LT	414.12	414.30	412.92	UNKNOWN (E)	0.5	1.4	-	-	-	2.20	-	1	1	REPLACE WITH STRUCTURE ON FLOW LINE INVERT IS CAPPED
DS 7-3	32+38	15.8	RT	413.15	413.41	411.25	UNKOWN (W)	0.7	1.8	-	-	-	2.90	-	1	1	
DS 7-4	32+52	14.9	LT	413.98	414.03	410.48	12" RCP (E)	1.0	2.8	-	-	-	4.50	-	1	1	REPLACE WITH STRUCTURE ON FLOW LINE
DS 8-1	34+78	68.7	RT	413.28	-	410.63	10" HDPE (S)	-	-	-	-	-	-	-	-	-	NO WORK PROPOSED
DS 8-2	34+82	46.6	LT	413.29	-	409.74	10" HDPE (N)	-	-	-	-	-	-	-	-	-	NO WORK PROPOSED
DS 8-3	35+08	54.2	RT	413.36	-	-	-	-	-	-	-	-	-	-	-	-	NO WORK PROPOSED
DS 8-4	35+41	15.6	RT	413.23	MATCH EXISTING	-	-	-	-	-	-	-	-	-	1	1	
DS 8-5	35+53	15.7	LT	413.36	MATCH EXISTING	N/A	UNDERDRAIN (S)	1.2	3.1	-	-	-	5.67	-	1	1	
DS 8-6	37+27	15.5	RT	413.19	MATCH EXISTING	409.5	10" VIT (W)	1.2	3.1	-	-	-	5.67	-	1	1	
DS 8-7	37+72	15.6	LT	413.11	MATCH EXISTING	-	-	-	-	-	30.0	-	-	-	1	1	
DS 8-8	38+43	15.6	RT	412.81	MATCH EXISTING	N/A	UNDERDRAIN (S)	1.2	3.3	-	-	-	5.92	-	1	1	
DS 9-1	39+72	15.6	LT	412.89	MATCH EXISTING	-	-	-	-	-	-	-	-	-	1	1	
DS 9-2	40+51	15.7	RT	412.51	MATCH EXISTING	-	-	-	-	-	8.0	-	-	-	1	1	
DS 9-3	40+78	15.6	LT	412.48	MATCH EXISTING	-	-	-	-	-	-	-	-	-	1	1	
DS 9-4	40+95	35.3	RT	412.72	MATCH EXISTING	-	-	-	-	-	-	1	-	-	1	1	ON HALL AVE
DS 9-5	41+16	38.8	RT	413.08	MATCH EXISTING	-	-	-	-	-	10.0	-	-	-	1	1	ON HALL AVE
DS 9-6	41+53	15.7	RT	412.28	MATCH EXISTING	409.01	UNKNOWN (W) UNDERDRAIN (N & S)	1.1	3.0	-	-	-	5.57	-	1	1	REPLACE OIL HOOD. SEE DWG MD-02
DS 9-7	43+03	15.2	LT	412.18	MATCH EXISTING	-	-	-	-	-	12.0	-	-	-	1	1	
DS 9-8	43+74	15.7	RT	411.86	411.95	-	-	-	-	1	-	-	-	-	1	1	
DS 10-1	44+05	15.6	LT	412.10	MATCH EXISTING	-	-	-	-	-	15.0	-	-	-	1	1	
DS 10-2	44+14	46.1	RT	-	-	-	-	-	-	-	-	-	-	-	-	-	NO WORK PROPOSED ON W. MATSON AVE
DS 10-3	44+38	38.6	RT	412.68	MATCH EXISTING	-	-	-	-	-	-	-	-	-	1	1	ON W. MATSON AVE
DS 10-4	44+64	15.7	RT	412.72	MATCH EXISTING	-	-	-	-	-	6.0	-	-	1	1	1	
DS 10-5	44+97	15.4	LT	412.80	MATCH EXISTING	-	-	-	-	-	12.0	-	-	-	1	1	
DS 10-6	46+39	15.8	RT	413.04	MATCH EXISTING	-	-	-	-	-	10.0	-	-	-	1	1	
DS 10-7	46+61	15.0	LT	412.96	MATCH EXISTING	-	-	-	-	-	-	-	-	-	1	1	
DS 10-8			RT	412.77	MATCH EXISTING	-	-	-	-	-	-	-	-	-	1	1	ON W. OSTRANDER AVE
<b>TOTALS</b>								<b>11.9</b>	<b>34.2</b>	<b>1</b>	<b>103.0</b>	<b>1</b>	<b>59.22</b>	<b>2</b>	<b>30</b>	<b>31</b>	

**NOTES:**

- EXISTING DRAINAGE PIPE INVERTS ARE APPROXIMATE OR UNKOWN DUE TO OIL HOOD OBSTRUCTION. CONTRACTOR SHALL FIELD VERIFY INVERT ELEVATIONS AND STRUCTURE SIZES PRIOR TO ORDERING DRAINAGE STRUCTURES.
- STORM DRAINAGE IS PART OF A COMBINED SEWER SYSTEM FROM BALLANTYNE ROAD TO W OSTRANDER AVENUE. STORM DRAINAGE IS SEPARATE FROM SANITARY SEWER FROM W SENECA TURNPIKE TO BALLANTYNE ROAD.

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PROJECT NO. 200204.00  
 PROJECT MANAGER P. WLODARCZYK  
 DRAWN BY J. GONZALES  
 SCALE AS SHOWN  
 ISSUE DATE 7/18/2025



PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY  
 TITLE OF DRAWING: MISCELLANEOUS TABLES

DRAWING NO. **MT-05**

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 7/18/2025 9:52:33 AM ADP:Paul

**SIDEWALK NOTES, GENERAL**

- BACK EDGE OF NEW SIDEWALK SHALL BE AT THE EXISTING BACK EDGE OF SIDEWALK. PRIOR TO REMOVAL OF EXISTING SIDEWALK, THE CONTRACTOR SHALL RECORD LOCATION OF BACK EDGE OF SIDEWALK AT A MINIMUM OF 50' INTERVALS SUCH THAT LOCATION CAN BE RE-ESTABLISHED AFTER REMOVAL.
  - SIDEWALK REPLACEMENT SHALL CONFORM TO CURRENT ADA STANDARDS. NEW SIDEWALK CROSS SLOPE SHALL BE A MAXIMUM OF 1.5% AND RUNNING SLOPE SHALL BE A MAXIMUM OF 4.5%.
- CURB RAMP NOTES, GENERAL**
- DEPENDING ON SITE CONDITIONS, EXISTING CURBS MAY REQUIRE PARTIAL OR TOTAL REMOVAL, OR CUTTING TO INSTALL NEW CURB RAMPS IN PROPER ORIENTATION. EXISTING CURB MAY ALSO REQUIRE REPLACEMENT IF AN ADA COMPLIANT CURB RAMP COULD NOT OTHERWISE BE CONSTRUCTED. NEW CURB WILL BE PAID FOR UNDER ITEM 609.0212. REFER TO PLAN SHEETS FOR LOCATIONS WHERE REPLACEMENT OF CURB IS ANTICIPATED, OR ADBE.
  - ITEM 610.1605 INCLUDES PLACING TOPSOIL AND RE-ESTABLISHING TURF IN DISTURBED AREAS. MATERIALS FOR ALL SITE RESTORATIONS SHALL MEET THE FOLLOWING REQUIREMENTS, AS PER THE NYS DOT STANDARD SPECIFICATIONS  

WATER	712-01
TOPSOIL	713-01
LIMESTONE	713-02
SEEDS	713-04
MULCH FOR TURF ESTABLISHMENT AND EROSION CONTROL	713-11
MULCH ANCHORAGE	713-12
SULFUR	713-17
STRAW	713-19

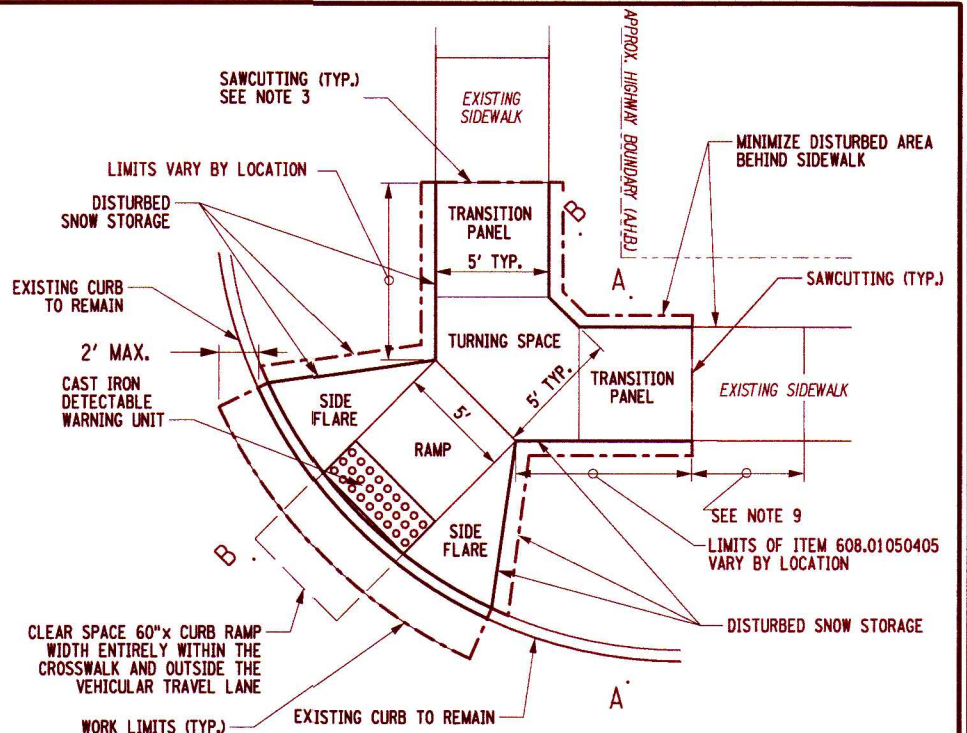
- RESTORATION OF DISTURBED AREAS SHALL BE ACCEPTED AS SPECIFIED UNDER SECTION 610-3.14 J.8 OF THE NYS DOT STANDARD SPECIFICATION.
- PAYMENT FOR SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE INCLUDED UNDER ITEM 627.50140008.
  - THE SNOW STORAGE AREA MATERIAL MAY VARY FROM CONCRETE, BRICK, TURF, ASPHALT, ETC. DISTURBANCE OF THE SNOW STORAGE SHALL BE KEPT AT A MINIMUM.
  - ANY FILL MATERIAL REQUIRED TO ACHIEVE GRADING OF THE PROPOSED CURB RAMP SHALL MEET THE REQUIREMENTS OF SECTION 733-08 - EMBANKMENT IN PLACE. THE PAYMENT FOR THE FILL MATERIAL SHALL BE INCLUDED UNDER ITEM 203.03, ADBE.
  - THE COLOR OF ALL EMBEDDED DETECTABLE WARNING UNITS SHALL BE ADBE. INSTALLATION OF DETECTABLE WARNING UNITS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ALL DETECTABLE WARNING UNITS SHALL HAVE A NATURAL FINISH COLOR.
  - RECONSTRUCTION LIMITS BEYOND THE CURB RAMP SHALL BE KEPT TO A MINIMUM. PROVIDE TRANSITION BETWEEN THE PROPOSED RAMP/LANDING AND EXISTING SIDEWALK AREAS TO REMAIN. THE CONTRACTOR SHALL NOT DAMAGE AREAS BEYOND SAW CUT LIMITS. DAMAGE BEYOND SAW CUT LIMITS SHALL BE REPLACED TO THE NEXT JOINT OR SCORE LINE. ANY SUCH DAMAGE SHALL BE REPAIRED BY CONTRACTOR AT NO COST TO THE CITY.
  - THE TRANSITION FROM 6 INCH CURB TO FLUSH CURB SHALL BE A SMOOTH AND CONSISTENT TRANSITION.
  - VERTICAL FACE CURB SHOULD NOT BE USED IN THE PEDESTRIAN ACCESSIBLE ROUTE IMMEDIATELY ADJACENT TO THE SLOPED PORTION OF RAMP OR LANDINGS. SIDE FLARES SHALL BE PROVIDED WHEN FEASIBLE. SIDE FLARE SLOPES ACROSS A PEDESTRIAN CIRCULATION PATH CANNOT EXCEED A SLOPE OF 9.5%. SIDE FLARE SLOPES STEEPER THAN 9.5% MAY BE CONSTRUCTED WHERE PEDESTRIAN CIRCULATION PATHS DO NOT CROSS THE FLARE.
  - FOR TYPICAL CURB RAMP PAY LIMITS SEE CURB RAMP CONFIGURATION SHEETS.
  - ALL PROPOSED WORK IS TO BE CONFINED WITHIN THE APPROXIMATE HIGHWAY BOUNDARY AS SHOWN IN THE PLANS.
  - THE CONTRACTOR IS NOT REQUIRED TO ESTABLISH EXISTING ROW IN THE FIELD.
  - ALL CURB RAMPS ARE TO BE LAID OUT COMPLETELY BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. PAYMENT FOR LAYOUT OF CURB RAMPS IS TO BE INCLUDED IN PRICE BID FOR ITEM 608.0101.
  - IT IS STRONGLY RECOMMENDED THAT THE CONTRACTOR USE A DIGITAL LEVEL ON ALL FORMS PRIOR TO PLACING CONCRETE IN ORDER TO BUILD NEW SIDEWALKS AND CURB RAMPS WITH CORRECT RUNNING SLOPE AND CROSS SLOPE. SEE STANDARD SHEET SERIES 608-01, TABLE ON THIS SHEET, AND/OR ADA RAMP DETAIL DRAWINGS IN THIS PLAN SET FOR CORRECT SLOPES AND TOLERANCES.
  - THE CONTRACTOR SHALL HAVE ONLY ONE SIDE OF ANY INTERSECTION CLOSED AT ANY TIME. THE E.I.C. SHALL DETERMINE THE COMPLETENESS OF THE WORK AND APPROVE COMMENCING WORK IN THE OTHER SIDE OF THE INTERSECTION.
  - NO EXCAVATION SHALL BE LEFT OPEN FOR MORE THAN ONE NIGHT. OPEN EXCAVATIONS SHALL BE PROTECTED WITH CONES AND SAFETY TAPE TO PREVENT PEDESTRIAN ENTRY. NO EXCAVATION SHALL BE LEFT OPEN ON A WEEKEND. IF CIRCUMSTANCES PREVENT THE COMPLETION OF AN INTERSECTION BEFORE THE WEEKEND, TEMPORARY SURFACES SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE CITY.
  - ALL WORK SHALL BE DONE SO AS NOT TO RESTRICT THE FREE MOVEMENT OF PEDESTRIANS ALONG ANY PEDESTRIAN FACILITY EXCEPT THAT MOVEMENT THROUGH AN AFFECTED CROSSWALK AND/OR CURB RAMP BEING RETROFITTED WITH THE DETECTABLE WARNING. PEDESTRIAN ACCOMMODATIONS MEETING ADA REGULATIONS AND DEPARTMENT STANDARD MUST BE MAINTAINED FOR THE FREE FLOW OF PEDESTRIANS AROUND ALL CONSTRUCTION SITES.

**CONTRACTOR RESPONSIBILITY FOR ADA COMPLIANCE**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT, INSTALLATION AND THAT THE FINAL PRODUCT IS FULLY COMPLIANT WITH CURRENT ADA GUIDELINES AS PER PROPOSED RIGHT OF WAY ACCESSIBILITY GUIDELINES, 2011 (PROWAG) AND NYS DOT STANDARD SHEETS 608-01 (SHEETS 1-9). IF THE FINAL PRODUCT FAILS TO MEET ADA GUIDELINES, AS DETERMINED BY THE ENGINEER, THE FINAL PRODUCT SHALL BE REPLACED AT NO ADDITIONAL COST TO THE CITY.

**CURB RAMP SLOPE AND DIMENSION REQUIREMENTS**

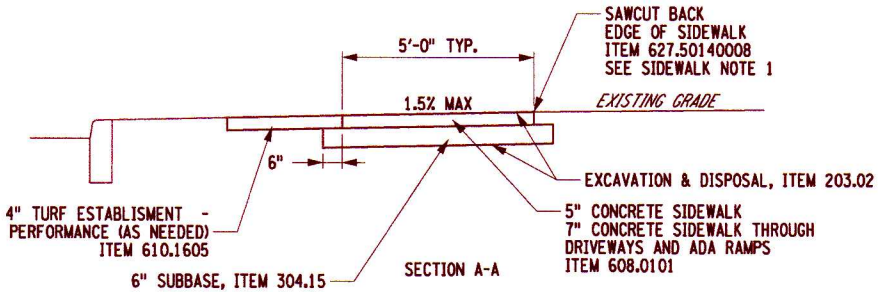
CURB RAMP SLOPE AND DIMENSION REQUIREMENTS		
FEATURE	DESIGN AND LAYOUT LIMITS	
<b>CURB RAMPS</b>		
RUNNING SLOPE	7.5% MAX	
CROSS SLOPE	1.5% MAX	
RAMP WIDTH	60" MIN	
LENGTH	15 FT. MAX	
TRAVERSABLE SIDE FLARES	9.5% MAX	
<b>TURNING SPACE (TOP TO RAMP)</b>		
DIMENSIONS	WIDTH OF RAMP X 5 FT MINIMUM	
CROSS SLOPE (ALL DIRECTIONS)	1.5% MAX	
<b>CLEAR SPACE (BOTTOM OF RAMP)</b>		
DIMENSIONS	5 FT X 5 FT MIN. (ENTIRELY WITHIN CROSSWALK, OUTSIDE OF VEHICULAR TRAVEL LANE)	
<b>DETECTABLE WARNING FIELD</b>		
DIMENSIONS	FULL WIDTH OF CURB RAMP X 2 FT DEPTH (MIN.)	
LOCATION	AT RAMP GRADE BREAK (IF < 5 FT. FROM CURB); OTHERWISE AT BACK OF CURB	
DOME PATTERN ORIENTATION	WITH RAMP GRADE BREAK (IF INSTALLED ON RAMP SLOPE)	
	WITH PRIMARY DIRECTION OF TRAVEL (FOR TYPE 2 RAMPS)	
	RADIALLY ALONG CURB (FOR TYPE 3 OR 4 RAMPS)	
SEE STANDARD SHEET 608-01, SHEET 2 OF 9		



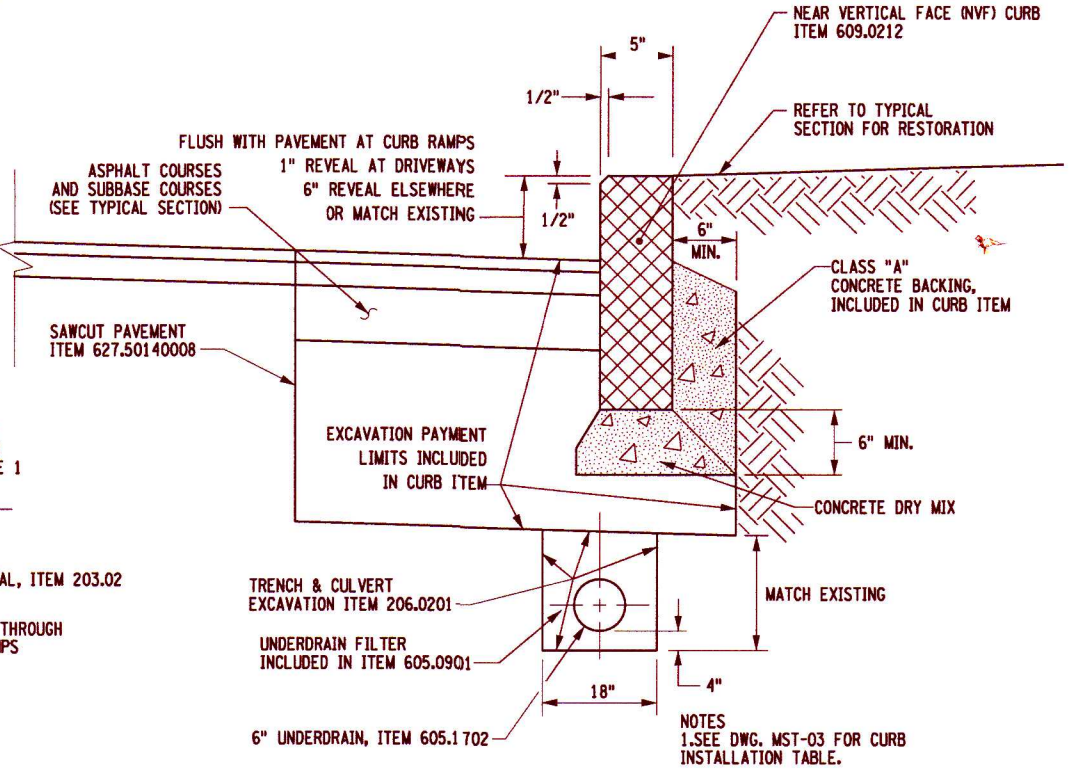
**CURB RAMP FEATURE ABBREVIATION LEGEND, AS SHOWN ON PLAN SHEETS**

R	-	RAMP
TS	-	TURNING SPACE (UPPER)
CS	-	CLEAR SPACE (LOWER)
SF	-	SIDE FLARE
T	-	TRANSITION PANEL

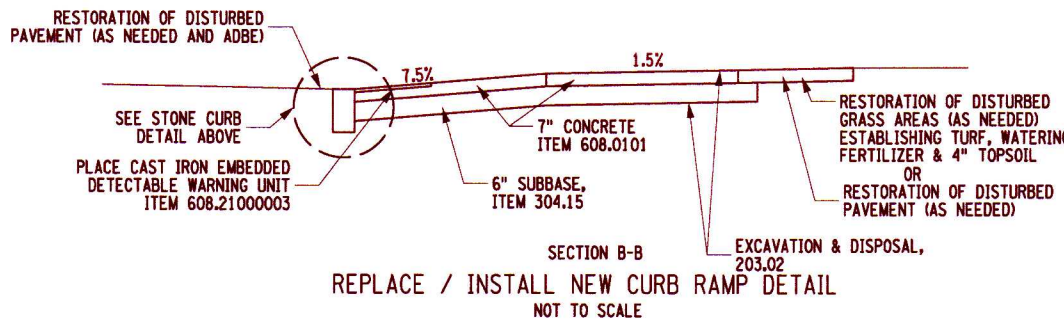
NOTE: TRANSITION PANEL SHALL BE ANY GRADE NECESSARY TO TIE INTO EXISTING SIDEWALK



**SIDEWALK REPLACEMENT DETAIL NOT TO SCALE**



**STONE CURB DETAIL - NEAR VERTICAL FACE (NVF) NOT TO SCALE**

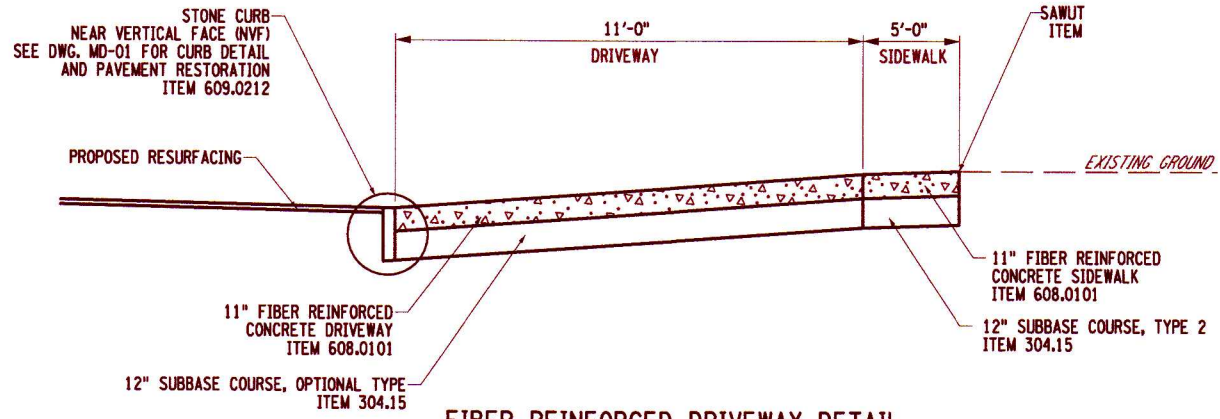


**REPLACE / INSTALL NEW CURB RAMP DETAIL NOT TO SCALE**

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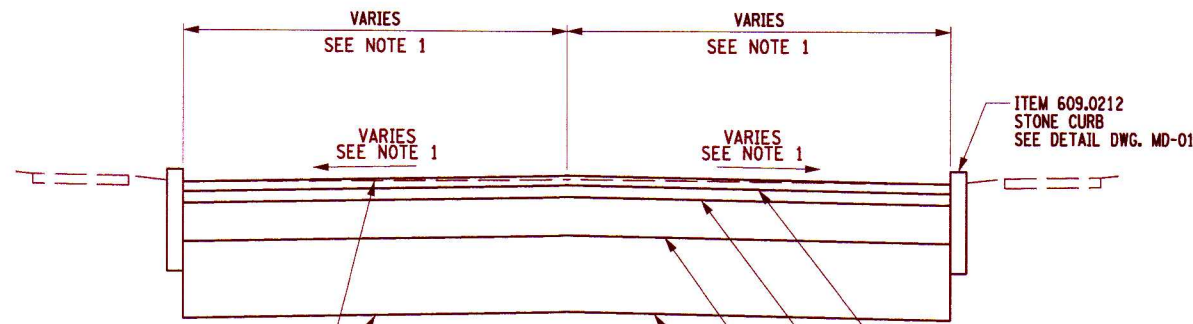
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PROJECT NO: 200204.00  
 PROJECT MANAGER: P. WLODARCZYK  
 DRAWN BY: T. DAVIS  
 SCALE: AS SHOWN  
 ISSUE DATE: 7/18/2025  
 TITLE OF DRAWING: MISCELLANEOUS DETAILS  
 PROJECT: MIDLAND AVENUE 2R PAVING PROJECT, W. OSTRANDER AVENUE TO WEST SENeca STREET (NY 173), CITY OF SYRACUSE, ONONDAGA COUNTY  
 DRAWING NO: MD-01  
 SHEET 14 OF 60



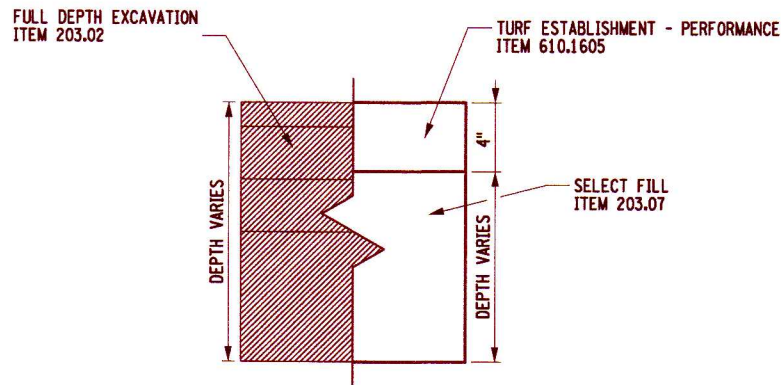
FIBER REINFORCED DRIVEWAY DETAIL

NOT TO SCALE  
APPLY TO  
FIRE DEPARTMENT DRIVEWAY



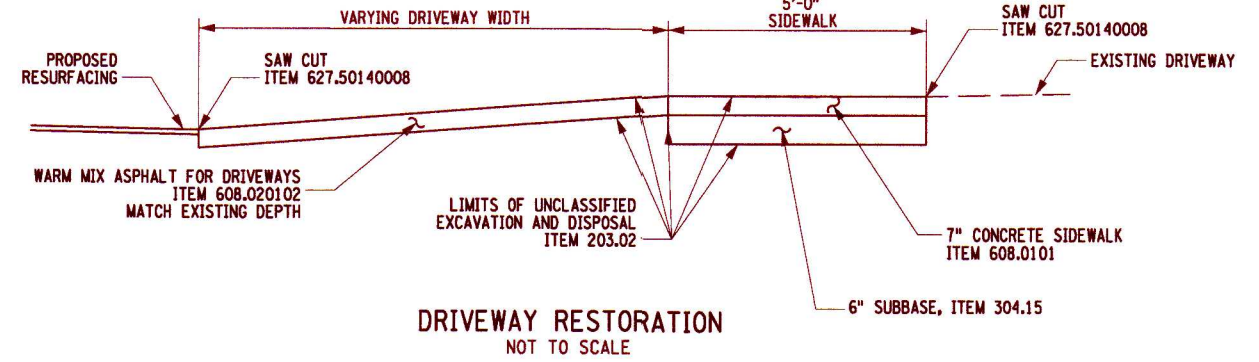
TYPICAL SIDE STREET FULL DEPTH RECONSTRUCTION DETAIL

NOT TO SCALE



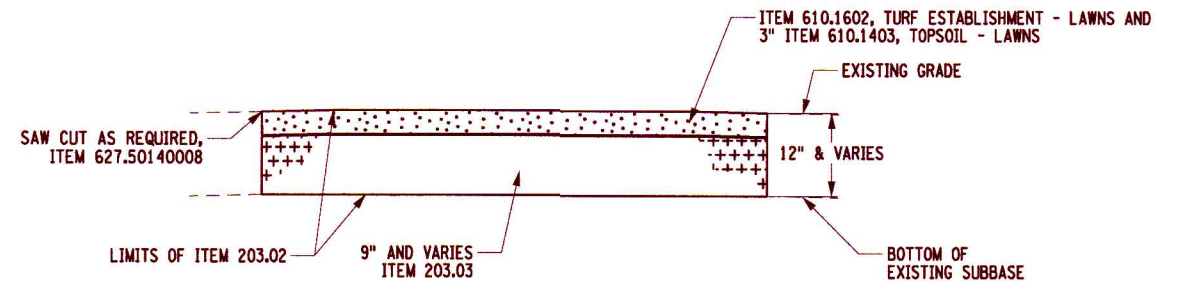
PAVEMENT WIDTH CHANGE TREATMENT

NOT TO SCALE



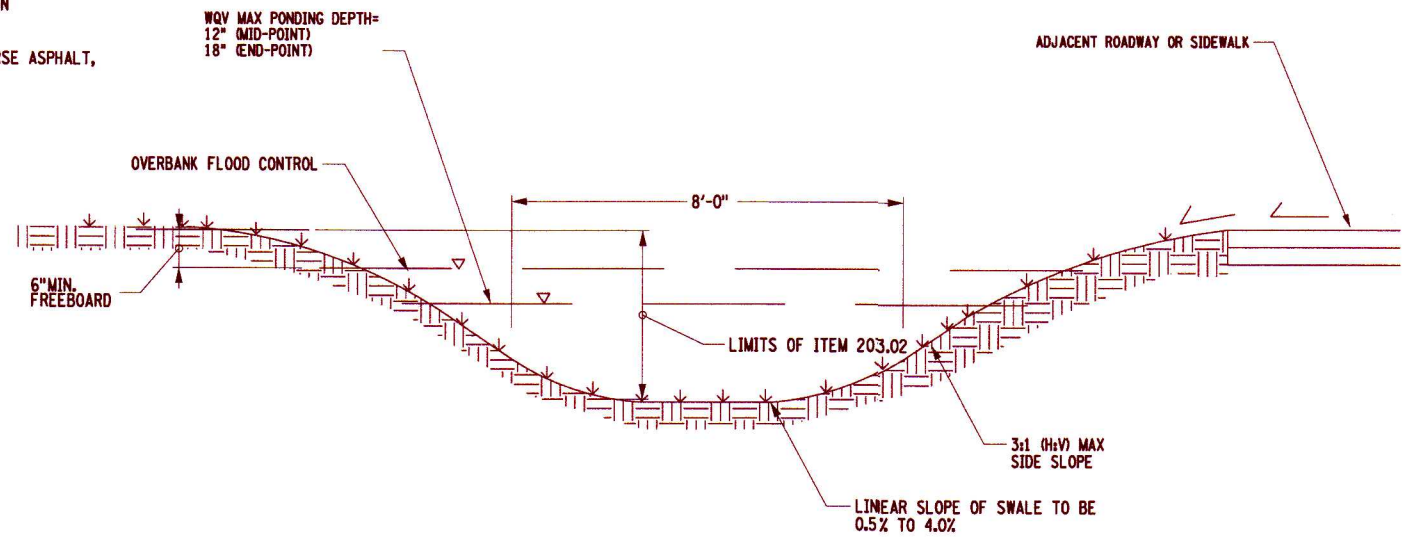
DRIVEWAY RESTORATION

NOT TO SCALE



ASPHALT REMOVAL

NOT TO SCALE



WETSWALE DETAIL

NOT TO SCALE

NOTES:

1. WET SWALE OUTLETS MUST CONVEY OVERBANK (10-YR, 24-HR) AND EXTREME FLOOD (100 YR, 24-HR) FLOOD EVENTS.
2. ENTIRE WQ MUST BE DRAINED WITHIN 48-HRS AFTER STORM EVENT.
3. 10% OF WQ TO BE PROVIDED AS PRETREATMENT IN PEA GRAVEL, FOREBAY, SEDIMENT CHAMBER, SUMP, OR APPROVED PROPRIETARY PRETREATMENT DEVICE.
4. THE MAXIMUM SLOPE OF SHEET FLOW CONTRIBUTING TO THE SWALE MUST BE NO GREATER THAN 5%.
5. AT NO POINT DURING CONSTRUCTION SHALL HEAVY EQUIPMENT RUN THROUGH THE WET SWALE.
6. SWALES TO BE SEEDING WITH ITEM 610.1605.
7. SEE PLANS FOR SWALE LOCATIONS

NOTES:

1. SEE DWG. SS-1 THRU SS-5 FOR SPECIFIC SIDE STREET INFORMATION REGARDING ROAD WIDTH, LENGTH, CURB ELEVATIONS, AND SLOPES.

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PROJECT NO. 200204.00  
PROJECT MANAGER P. WLODARCZYK  
DRAWN BY T. DAVIS  
SCALE AS SHOWN  
ISSUE DATE 7/18/2025

STATE OF NEW YORK  
REGISTERED PROFESSIONAL ENGINEER  
RICHARD J. JONES  
07168



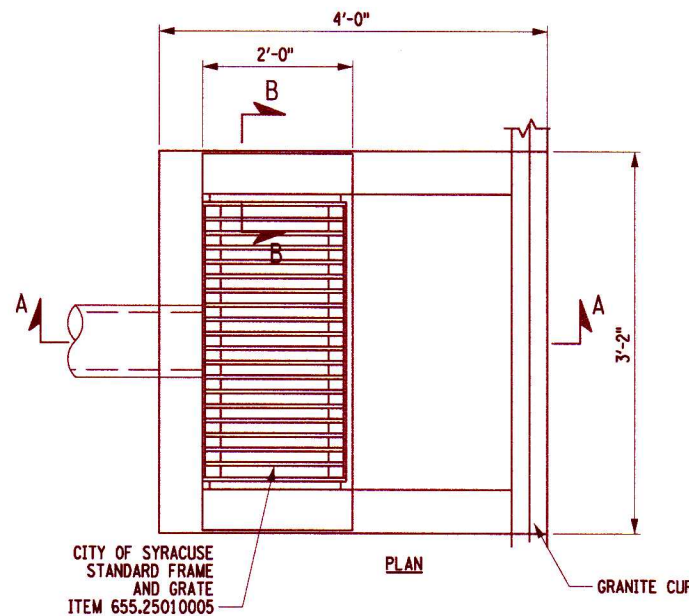
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WWW.FISHERASSOC.COM

PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
CITY OF SYRACUSE  
ONONDAGA COUNTY

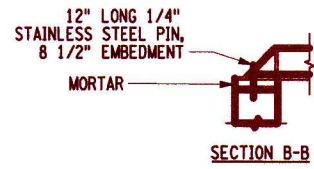
TITLE OF DRAWING: MISCELLANEOUS DETAILS

DRAWING NO. MD-02

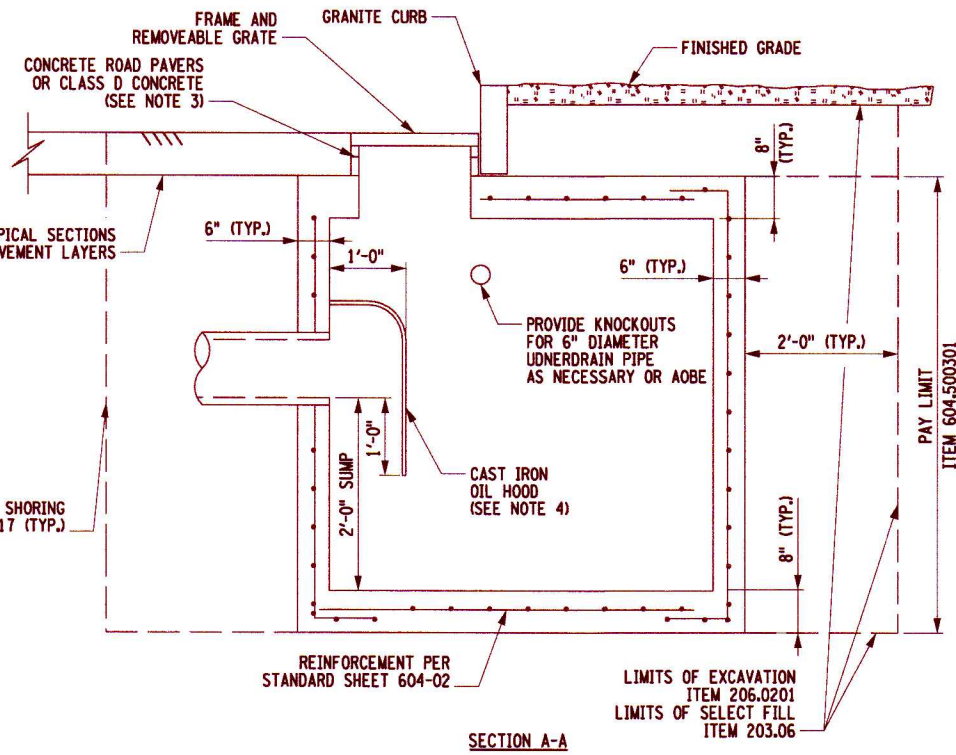




- NOTES:**
1. CATCH BASIN TRAP SHALL BE MODEL #2562 AS MANUFACTURED BY SYRACUSE CASTINGS SALES CORP., OR EQUAL. TRAP SHALL BE MOUNTED WITH MATERIALS PROVIDED AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
  2. FIELD VERIFY LENGTHS AND INVERT ELEVATIONS PRIOR TO FABRICATION.
  3. CONCRETE ROAD PAVERS AND/OR CLASS D CONCRETE TO BE INCLUDED IN ITEM 655.1011
  4. CAST IRON HOOD TO BE INCLUDED IN ITEM 604.500301

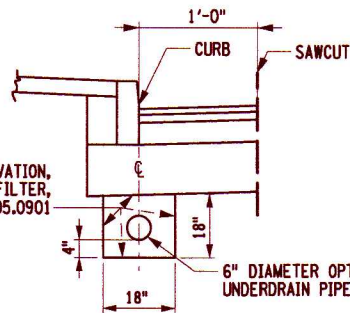


CITY OF SYRACUSE  
STANDARD FRAME  
AND GRATE  
ITEM 655.25010005



**SPECIAL DRAINAGE STRUCTURE DETAIL, ITEM 604.500301  
CITY OF SYRACUSE STANDARD DRAINAGE STRUCTURE**

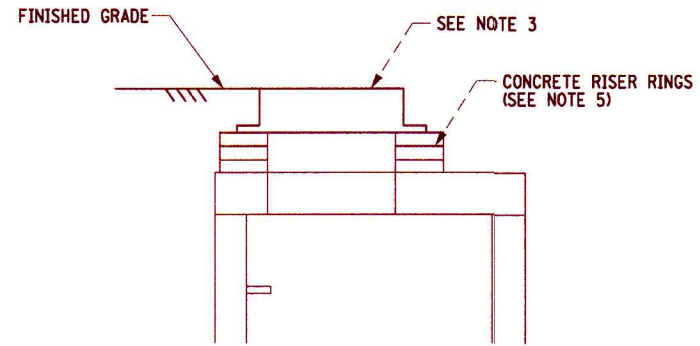
NOT TO SCALE



LIMIT OF TRENCH AND CULVERT EXCAVATION,  
ITEM 206.0201 AND UNDERDRAIN FILTER,  
TYPE I, ITEM 605.0901

- NOTES:**
1. ALL UNDERDRAINS NOT TYING INTO INLETS WILL BE CAPPED.

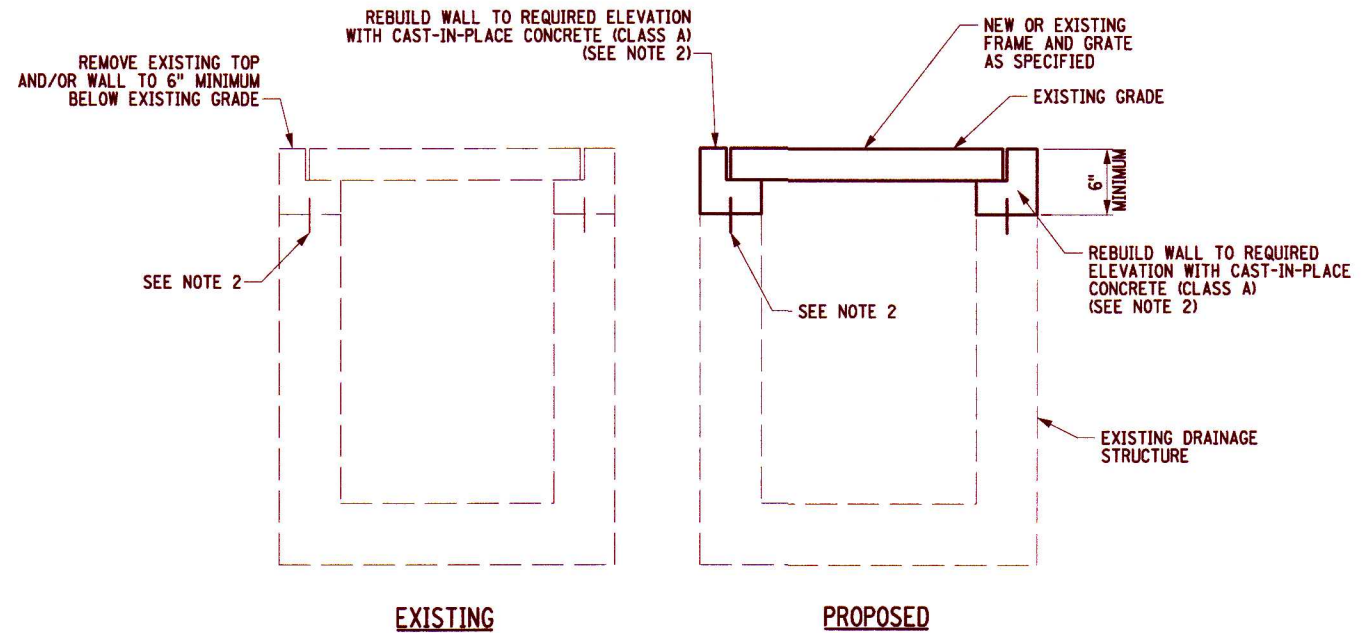
**UNDERDRAIN DETAIL  
NOT TO SCALE**



**ALTER DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES,  
ITEM 604.070301  
(ADJUST MANHOLE FRAME AND COVER / GRATE)**

N.T.S.  
ITEM 604.070301 ALTER DRAINAGE STRUCTURE - ADJUST FRAME AND GRATE

- NOTES**
1. THE COST OF CONCRETE ADJUSTMENT RINGS, CONCRETE COLLARS AND PRECAST CONCRETE PAVERS ARE INCLUDED IN THE PRICE BID FOR THIS ITEM.
  2. COAT ALL EXPOSED SURFACES OF NEW ADJUSTMENT MATERIAL WITH TWO COATS OF DAMP-PROOFING.
  3. RESET OR REPLACE THE EXISTING FRAME AND GRATE OR COVER AS SHOWN ON THE TABLES.
  4. SLOPE SHEETING & BRACING PER OSHA, SPECIFICATION, ITEM 552.17 TO BE USED ONLY IF CONTRACTOR IS UNABLE TO LAY BACK TRENCH AT A 1:1 SLOPE AND THE DEPTH OF THE EXCAVATION FROM THE ORIGINAL GROUND TO BOTTOM OF TRENCH EXCEEDS 4 FT.
  5. FOR ALL DRAINAGE STRUCTURE ADJUSTMENTS, A MAXIMUM OF 6 INCHES OF PRECAST CONCRETE PAVERS AND MORTAR FOR CONCRETE, OR A MAXIMUM OF 2 INCHES OF MORTAR FOR CONCRETE ALONE, SHALL BE USED FOR TOP SLAB AND/OR FRAME AND GRATE ADJUSTMENT. FOR ADJUSTMENTS OVER 6 INCHES AND NOT TO EXCEED 12 INCHES, CAST IN PLACE CONCRETE OR A PRECAST CONCRETE ADJUSTMENT ELEMENT SHALL BE USED. A MAXIMUM OF 2 INCHES OF MORTAR FOR CONCRETE SHALL BE ALLOWED ON BOTH THE TOP AND BOTTOM OF THE PRECAST DEVICES. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE AND SHAPE OF ALL REQUIRED ADJUSTMENT RINGS, AND OTHER NECESSARY ADJUSTMENT DEVICES.



- NOTES:**
1. INTERIOR (AND EXTERIOR WHERE APPLICABLE) OF REBUILT WALLS SHALL BE COATED WITH TWO COATS OF EPOXY RESIN DAMP PROOFING.
  2. DRILL AND GROUT #5 BAR DOWELS, 2 PER STRUCTURE DEPTH AND 3 PER WIDTH, WITH 6" MINIMUM EMBEDMENT INTO OLD AND NEW CONCRETE. ALL EXISTING CONCRETE SURFACES THAT WILL BE IN CONTACT WITH NEW CONCRETE SHALL BE COATED WITH EPOXY POLYSULFIDE GROUT PER NYS02
  3. THE UNIT PRICE BID SHALL INCLUDE THE COST OF: REMOVAL AND RESETTING OF THE FRAME, CLEANING EXISTING CATCH BASIN OR MANHOLE, DISPOSING ALL DEBRIS, EXCAVATION AND BACKFILL, AND FURNISH ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO COMPLETE THE WORK.

**ALTER EXISTING DRAINAGE STRUCTURES, ITEM 604.07240110  
NOT TO SCALE**

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2	NO AS-BUILT REVISIONS	8/1/22	TRD
1	FIELD CHANGE REVISIONS	7/22/21	TRD

CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY UPON DISCOVERY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF SYRACUSE AND ONONDAGA COUNTY. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL MAINTAIN THE EXISTING SURFACE FINISH AND SHALL REPAIR AND REPLACE ALL DAMAGED SURFACES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND PRESERVATION OF ALL TREES AND PLANTS ON THE SITE. THE CONTRACTOR SHALL MAINTAIN A SAFE WORKING ENVIRONMENT AT ALL TIMES AND SHALL FOLLOW ALL APPLICABLE SAFETY REGULATIONS AND STANDARDS.

EA PROJECT NO. 200204.00  
PROJECT MANAGER P. WLODARCZYK  
DRAWN BY T. DAVIS  
SCALE AS SHOWN  
ISSUE DATE 7/18/2025

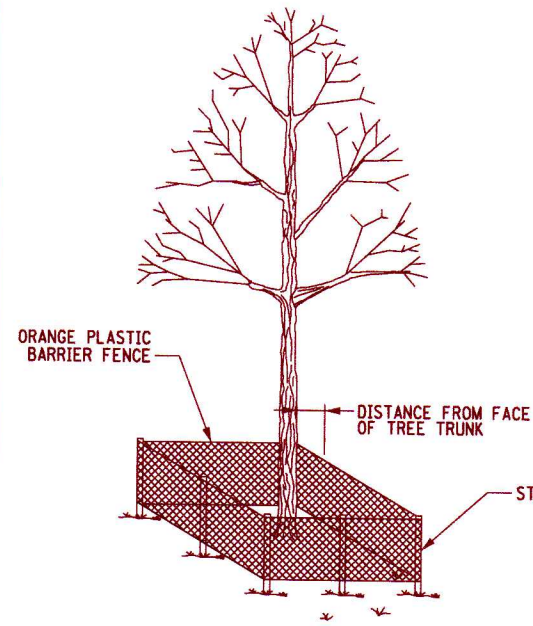


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PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
CITY OF SYRACUSE  
ONONDAGA COUNTY

TITLE OF DRAWING: MISCELLANEOUS DETAILS

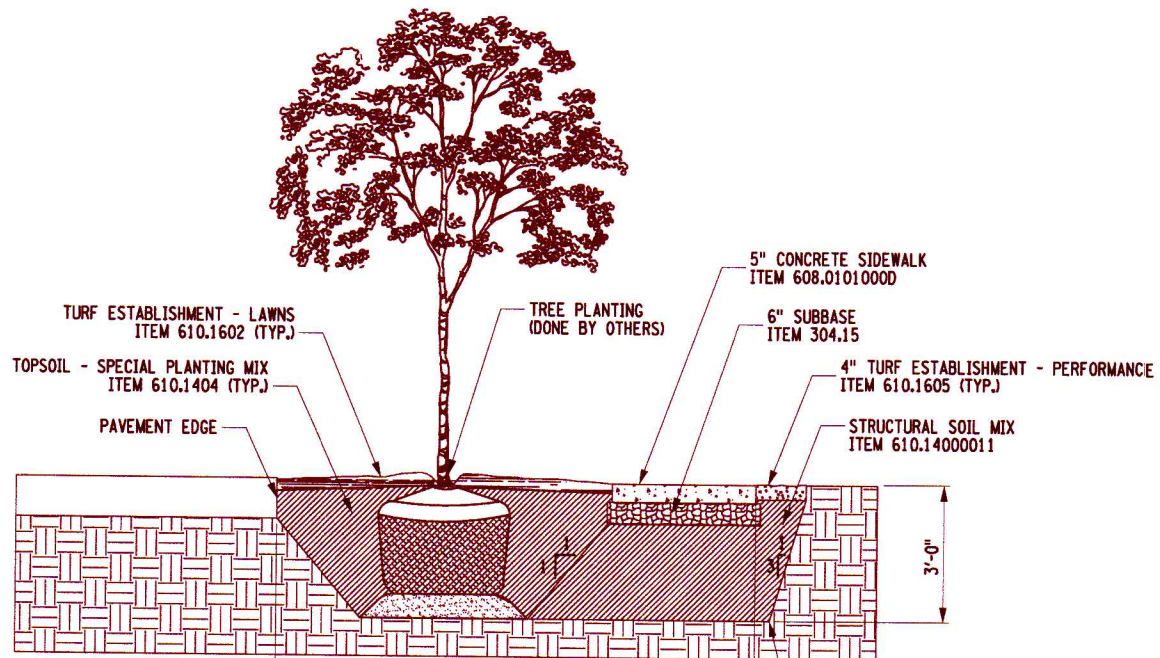
DRAWING NO. **MD-03**



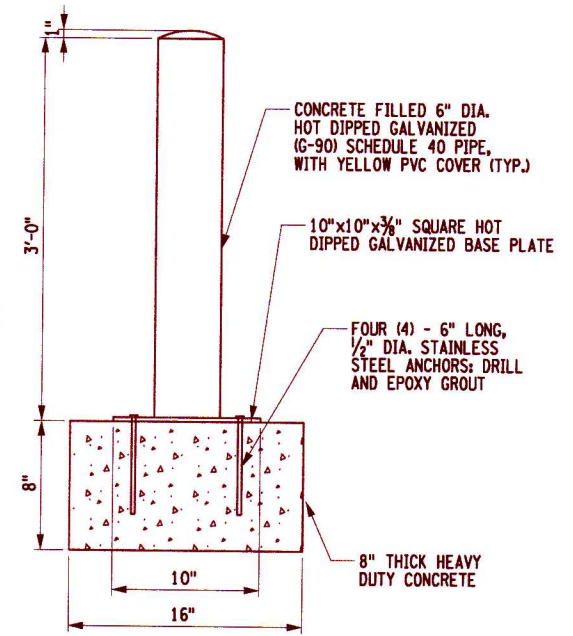
TREE DIAMETER (DBH)	DISTANCE OF FENCING FROM FACE OF TREE TRUNK
LESS THAN 10"	6'
10" - 14"	10'
15" - 19"	12'
20" OR MORE	15'

- NOTES:
- DO NOT LEAVE CONSTRUCTION EQUIPMENT RUNNING (IDLING) UNDER TREE CANOPY
  - NO VEHICLES, MATERIALS, GRAVEL, DEBRIS, OR EQUIPMENT SHALL BE STORED UNDER TREES.
  - MAXIMUM POST SPACING IS 8 FT.

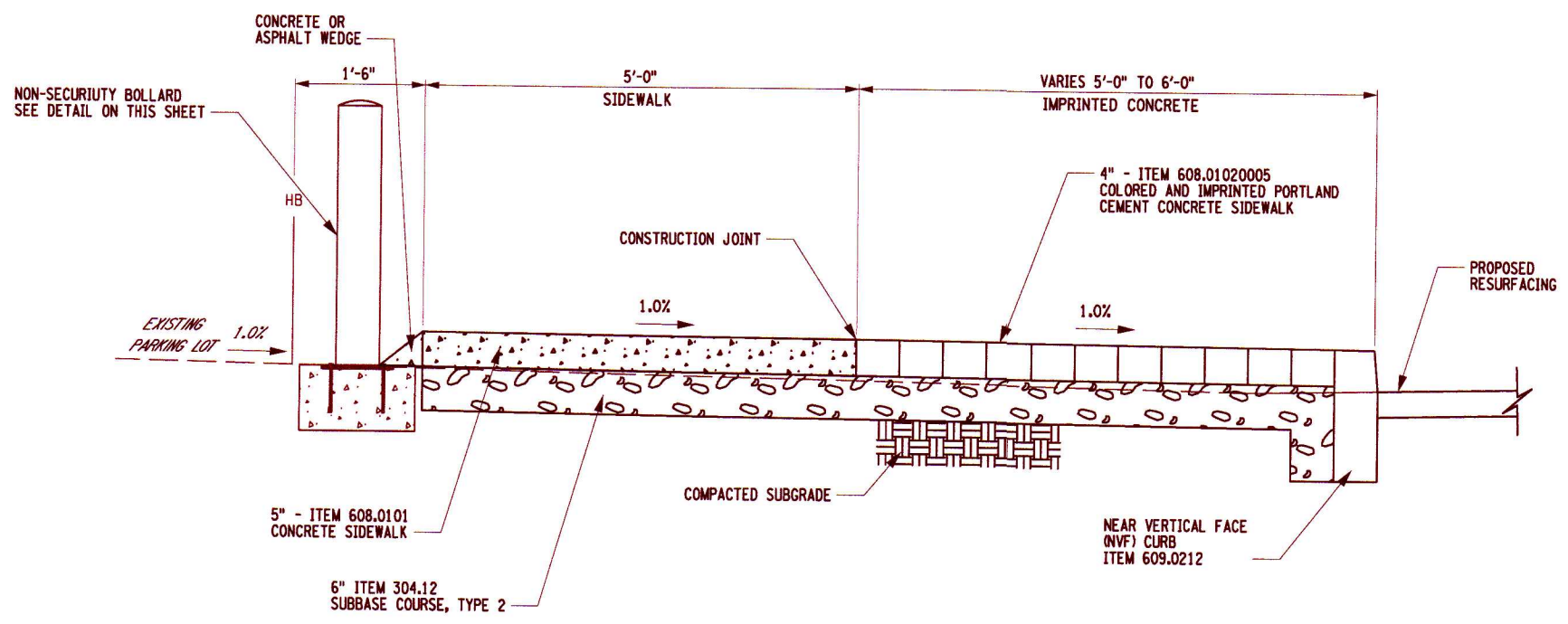
**TEMPORARY PLASTIC BARRIER FENCE, ITEM 607.41010010**  
NOT TO SCALE



**TREE PLANTING IN STRUCTURAL SOIL**  
NOT TO SCALE



**NON-SECURITY BOLLARD DETAIL - ITEM 618.71145124**  
NOT TO SCALE

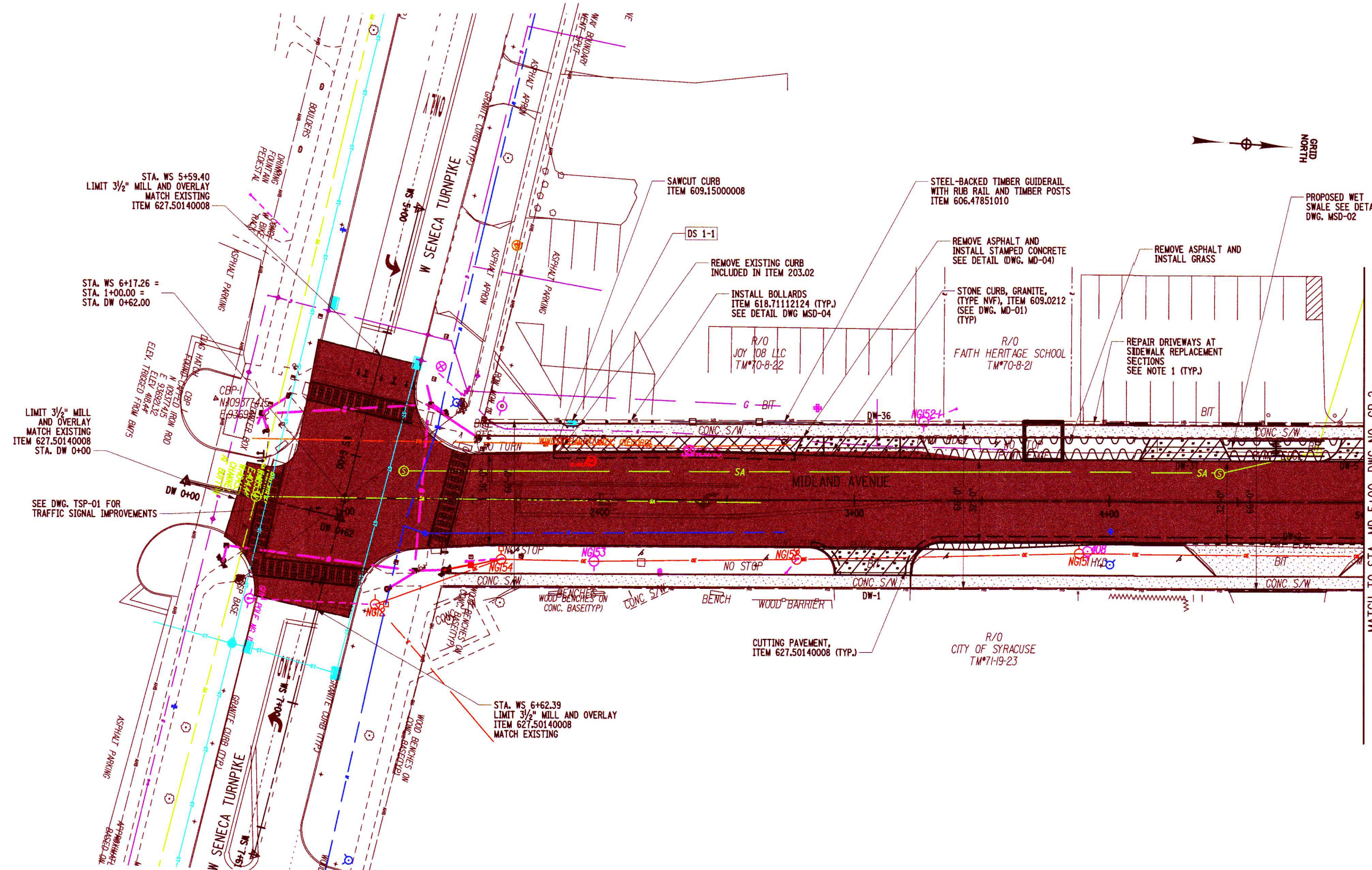


**ARCTIC ISLE ACCESS MANAGEMENT**  
NOT TO SCALE

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PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY		TITLE OF DRAWING MISCELLANEOUS DETAILS	
DRAWING NO. <b>MD-04</b>		SHEET 17 OF 60	
PROJECT MANAGER P. WLODARCZYK		ISSUE DATE 7/18/2025	
DRAWN BY T. DAVIS		AS SHOWN	
PROJECT NO. 200204.00		SCALE AS SHOWN	
ARCHITECT FISHER ASSOCIATES, P.E., L.L.C. OF NEW YORK, P.C.		REGISTERED PROFESSIONAL ENGINEER STATE OF NEW YORK 97768	
REVISIONS 7 6 5 4 3 2 1 NO AS-BUILT REVISIONS FIELD CHANGE REVISIONS DATE TRD BY		DESCRIPTION	

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 8/12/2025 8:46:17 AM ADP:Paul

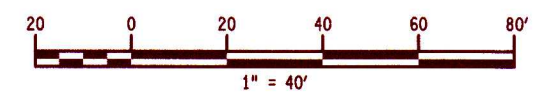


MATCH TO STA. MD 5+00, DWG NO. GP-2

**LEGEND**

- |  |   |  |  |
|--|---|--|--|
|  | PAVEMENT WORK   |  | STAMPED CONCRETE<br>ITEM 608.01020005                        |
|  | CONCRETE REMOVAL  |  | BITUMENOUS DRIVEWAY RESTORATION<br>SEE DETAIL ON SHEET MD-01 |
|  | SIDEWALK CONSTRUCTION<br>ITEM 608.0101  |  | PROPOSED TREE PIT<br>TREE WILL BE PLANTED BY OTHERS          |
|  | DETECTABLE WARNING<br>ITEM 608.21000003                                       |  |  |
|  | REMOVE PAVEMENT AND REPLACE WITH SOIL<br>AND GRASS, SEE DETAIL ON SHEET MD-02 |  |  |

- NOTES:**
- REPAIR DRIVEWAY TO ROAD AT ALL SIDEWALK REPLACEMENT AND NEW SIDEWALK SECTIONS INSTALLED OVER EXISTING DRIVEWAYS. SEE DWG. MD-01 FOR DRIVEWAY RESTORATION DETAILS.
  - REFER TO DWG. MD-03 FOR TREE PIT CONSTRUCTION DETAILS AND REFER TO TREE PIT TABLE ON DWG. MT-04.



REV	DESCRIPTION	DATE	BY
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PROJECT NO.  
200204.00  
 PROJECT MANAGER  
P. WLODARCZYK  
 DRAWN BY  
T. DAVIS  
 SCALE  
AS SHOWN  
 ISSUE DATE  
8/11/2025

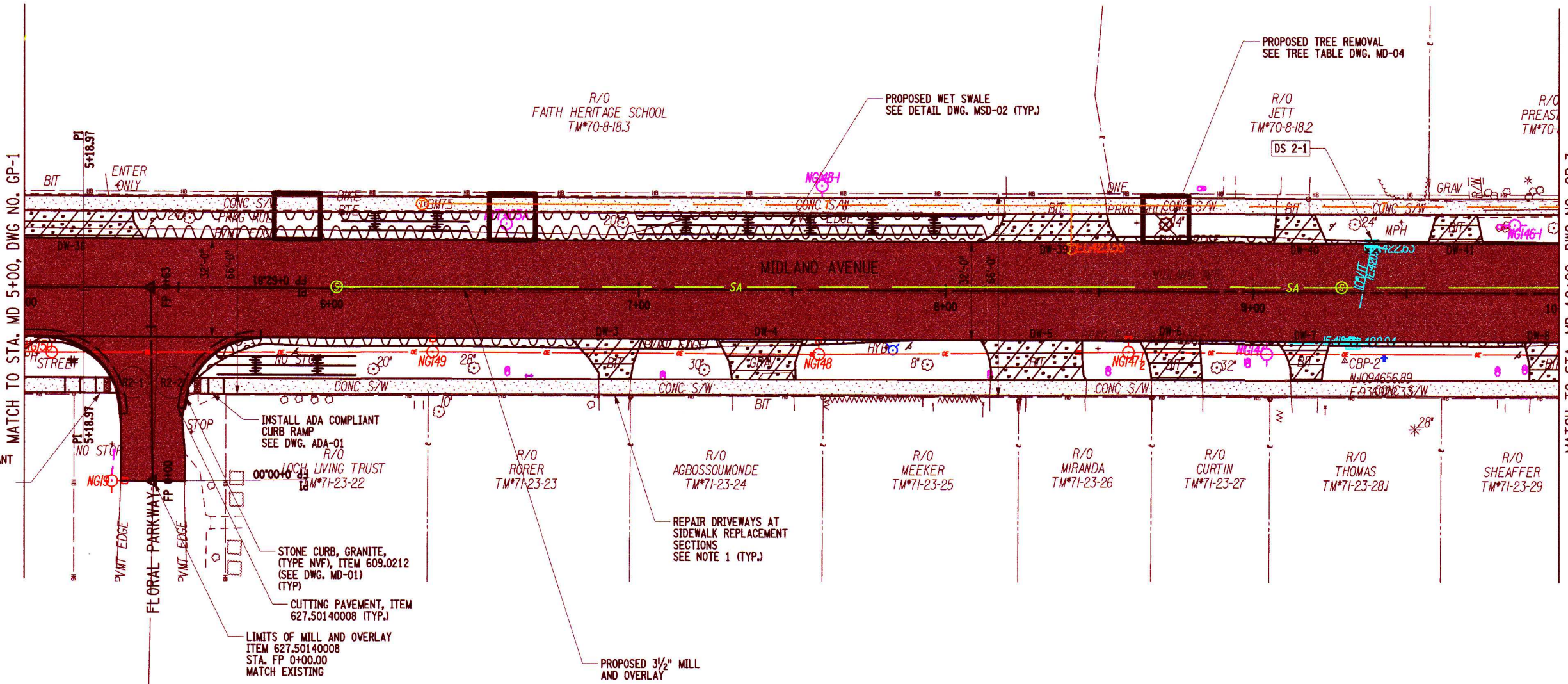


PROJECT  
MIDLAND AVENUE 2R PAVING PROJECT  
 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY

TITLE OF DRAWING  
GENERAL PLAN

DRAWING NO.  
**GP-1**  
 SHEET 18 OF 60

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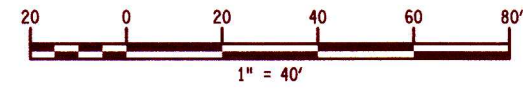


**LEGEND**

- PAVEMENT WORK
- CONCRETE REMOVAL
- SIDEWALK CONSTRUCTION ITEM 608.0101
- DETECTABLE WARNING ITEM 608.21000003
- REMOVE PAVEMENT AND REPLACE WITH SOIL AND GRASS, SEE DETAIL ON SHEET MD-02

- BITUMENOUS DRIVEWAY RESTORATION SEE DETAIL ON SHEET MD-01
- PROPOSED TREE PIT TREE WILL BE PLANTED BY OTHERS
- PROPOSED TREE PIT REMOVE AND PLANT NEW TREE

- NOTES:**
1. REPAIR DRIVEWAY TO ROAD AT ALL SIDEWALK REPLACEMENT AND NEW SIDEWALK SECTIONS INSTALLED OVER EXISTING DRIVEWAYS. SEE DWG. MD-01 FOR DRIVEWAY RESTORATION DETAILS.
  2. REFER TO DWG. MD-03 FOR TREE PIT CONSTRUCTION DETAILS AND REFER TO TREE PIT TABLE ON DWG. MT-04.



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EA PROJECT NO. 200204.00  
 PROJECT MANAGER P. WLODARCZYK  
 ORIGINATOR T. DAVIS  
 SCALE AS SHOWN  
 ISSUE DATE 7/18/2025

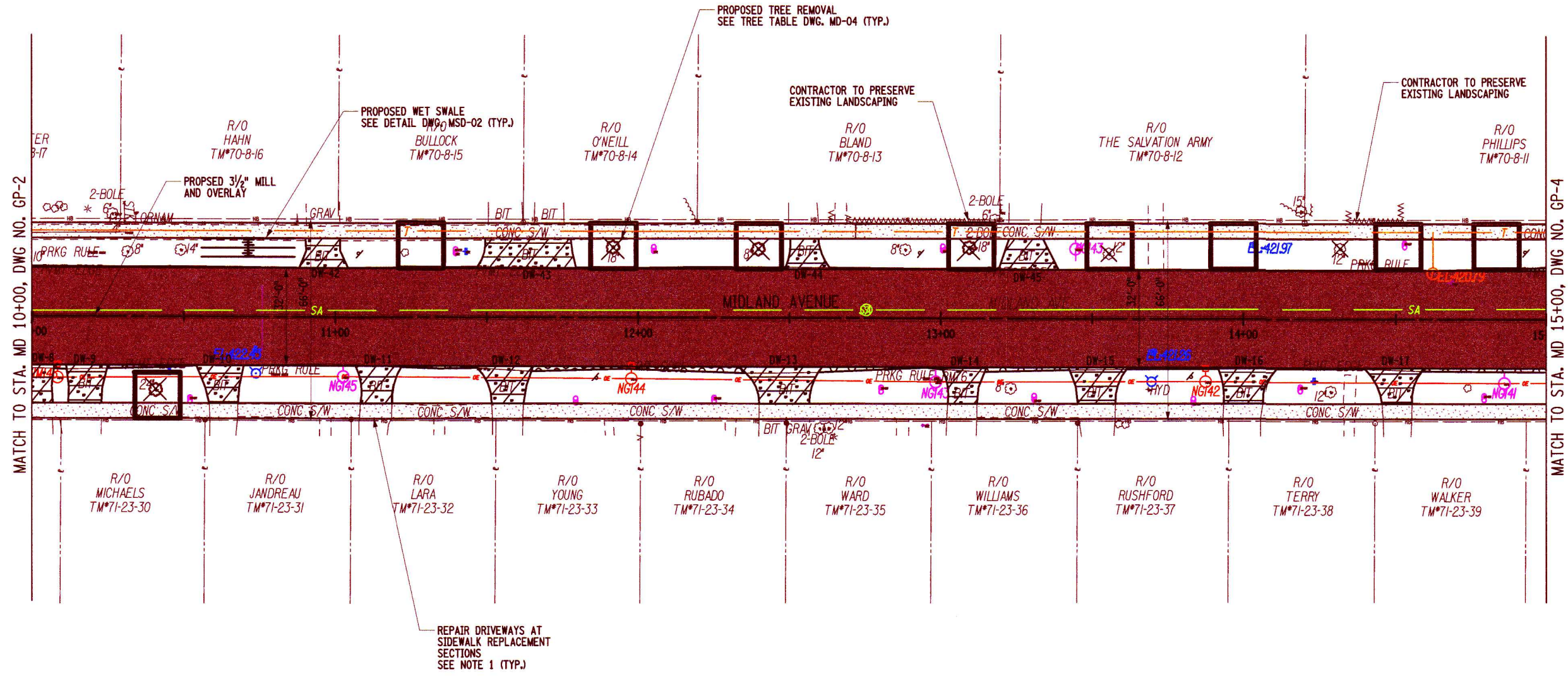


PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY

TITLE OF DRAWING: GENERAL PLAN

DRAWING NO. GP-2  
 SHEET 19 OF 60

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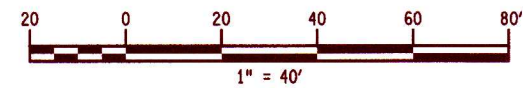


**LEGEND**

- PAVEMENT WORK
- CONCRETE REMOVAL
- SIDEWALK CONSTRUCTION  
ITEM 608.0101
- DETECTABLE WARNING  
ITEM 608.21000003
- REMOVE PAVEMENT AND REPLACE WITH SOIL  
AND GRASS, SEE DETAIL ON SHEET MD-02
- BITUMENOUS DRIVEWAY RESTORATION  
SEE DETAIL ON SHEET MD-01

- PROPOSED TREE PIT  
TREE WILL BE PLANTED BY OTHERS
- PROPOSED TREE PIT  
REMOVE AND PLANT NEW TREE
- PROPOSED TREE PIT  
REMOVE TREE AND GRUB STUMP

- NOTES:**
1. REPAIR DRIVEWAY TO ROAD AT ALL SIDEWALK REPLACEMENT AND NEW SIDEWALK SECTIONS INSTALLED OVER EXISTING DRIVEWAYS. SEE DWG. MD-01 FOR DRIVEWAY RESTORATION DETAILS.
  2. REFER TO DWG. MD-03 FOR TREE PIT CONSTRUCTION DETAILS AND REFER TO TREE PIT TABLE ON DWG. MD-04.



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DESCRIPTION

DATE

BY

COMPONENT NO. 2025  
FISHER ASSOCIATES P.E. S.L.A. OF NEW YORK P.C.

New York State Education Law Section 2002.04.00  
Project Manager  
P. WLODARCZYK

ISSUE DATE  
7/18/2025

DESIGN BY  
T. DAVIS

SCALE  
AS SHOWN

F

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PROJECT  
MIDLAND AVENUE 2R PAVING PROJECT  
W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
CITY OF SYRACUSE  
ONONDAGA COUNTY








TITLE OF DRAWING  
GENERAL PLAN

DRAWING NO.  
**GP-3**

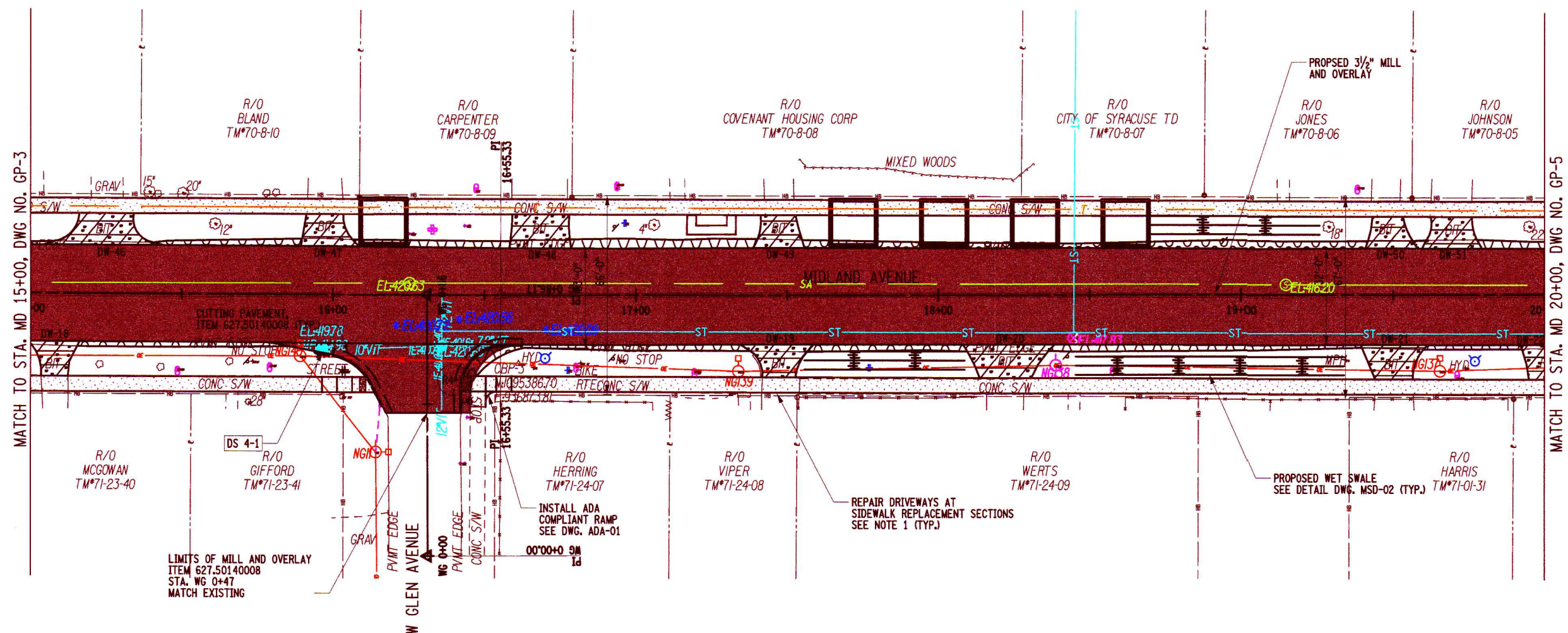
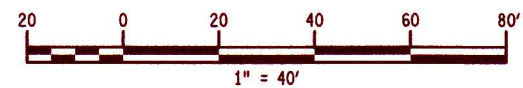
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**LEGEND**

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|---|---|---|--|
|  | PAVEMENT WORK   |  | BITUMENOUS DRIVEWAY RESTORATION<br>SEE DETAIL ON SHEET MD-01 |
|  | CONCRETE REMOVAL  |  | PROPOSED TREE PIT<br>TREE WILL BE PLANTED BY OTHERS          |
|  | SIDEWALK CONSTRUCTION<br>ITEM 608.0101  |   |  |
|  | DETECTABLE WARNING<br>ITEM 608.21000003                                       |   |  |
|  | REMOVE PAVEMENT AND REPLACE WITH SOIL<br>AND GRASS, SEE DETAIL ON SHEET MD-02 |   |  |

- NOTES:**
- REPAIR DRIVEWAY TO ROAD AT ALL SIDEWALK REPLACEMENT AND NEW SIDEWALK SECTIONS INSTALLED OVER EXISTING DRIVEWAYS. SEE DWG. MD-01 FOR DRIVEWAY RESTORATION DETAILS.
  - REFER TO DWG. MD-03 FOR TREE PIT CONSTRUCTION DETAILS AND REFER TO TREE PIT TABLE ON DWG. MT-04.



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FA PROJECT NO.  
200204.00  
PROJECT MANAGER  
P. WLODARCZYK  
DRAWN BY  
T. DAVIS  
SCALE  
AS SHOWN  
ISSUE DATE  
7/18/2025

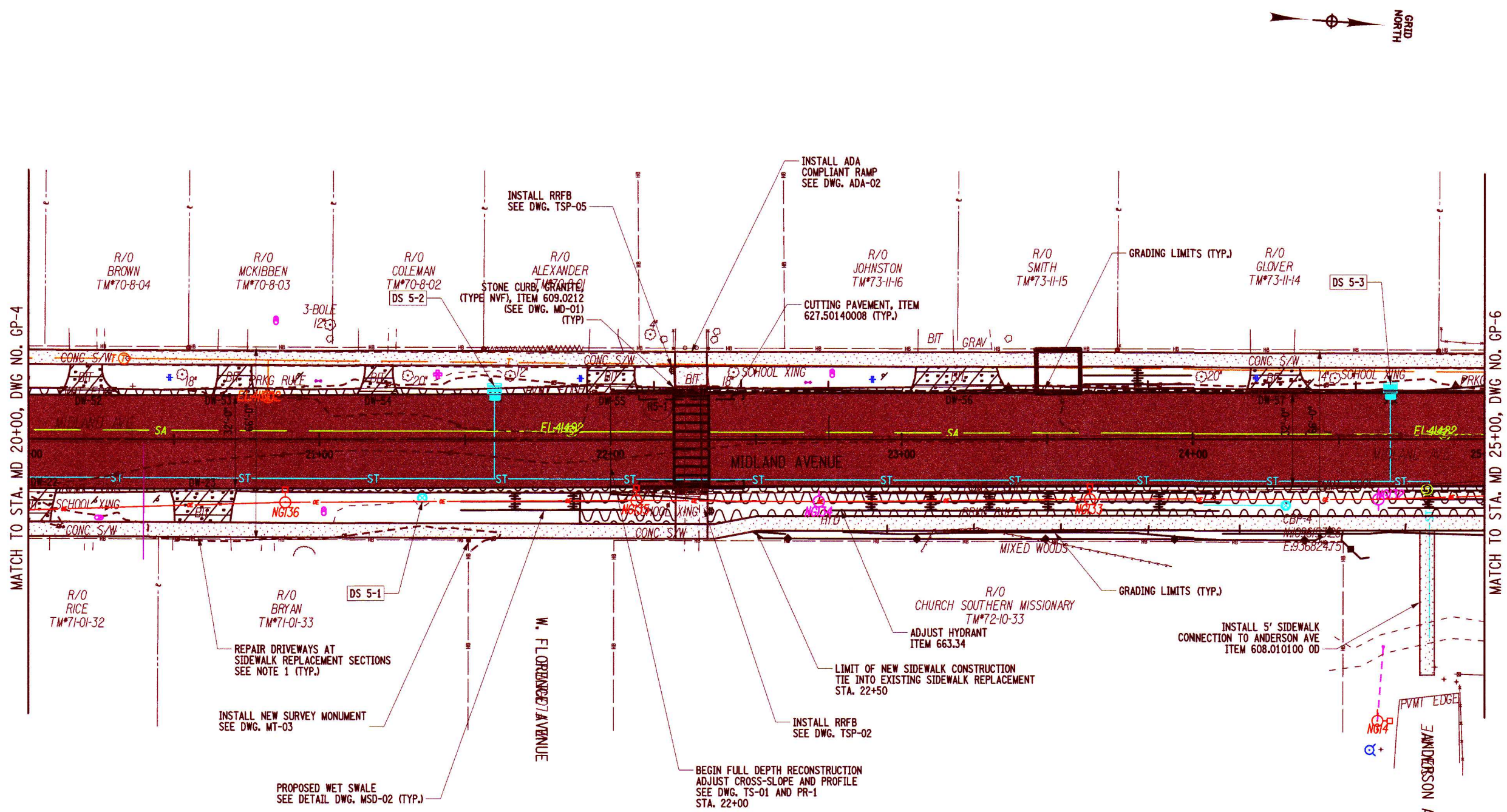


PROJECT  
MIDLAND AVENUE 2R PAVING PROJECT  
W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
CITY OF SYRACUSE  
ONONDAGA COUNTY

TITLE OF DRAWING  
GENERAL PLAN

DRAWING NO.  
**GP-4**  
SHEET 21 OF 60

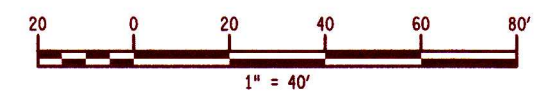
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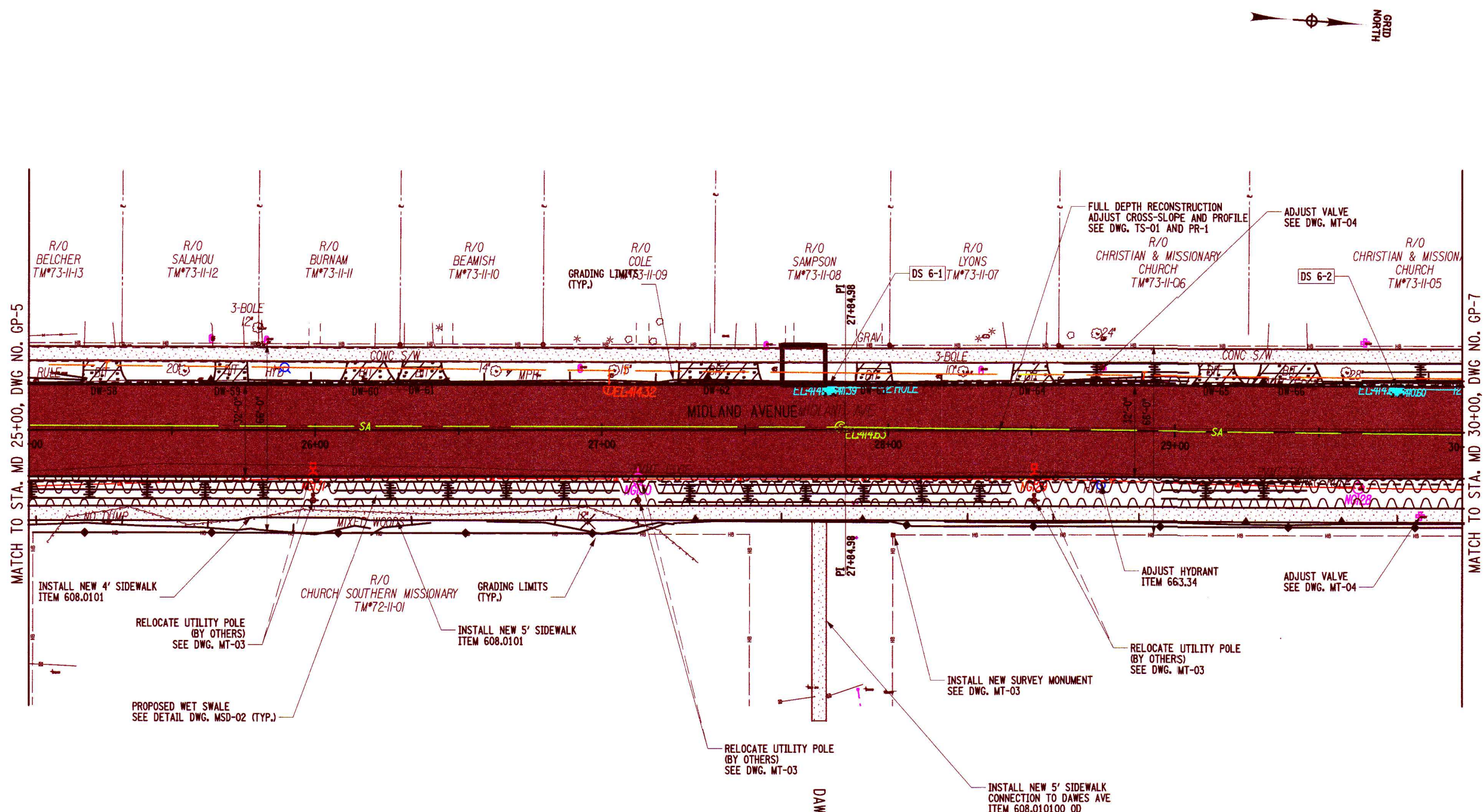
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|  | PAVEMENT WORK   |  | BITUMENOUS DRIVEWAY RESTORATION<br>SEE DETAIL ON SHEET MD-01 |
|  | CONCRETE REMOVAL  |  | SEDIMENT FILTER LOG-TEMPORARY, 12"<br>ITEM 209.2301          |
|  | SIDEWALK CONSTRUCTION<br>ITEM 608.0101  |  | PROPOSED TREE PIT<br>TREE WILL BE PLANTED BY OTHERS          |
|  | DETECTABLE WARNING<br>ITEM 608.21000003                                       |  |  |
|  | REMOVE PAVEMENT AND REPLACE WITH SOIL<br>AND GRASS, SEE DETAIL ON SHEET MD-02 |  |  |

- NOTES:**
- REPAIR DRIVEWAY TO ROAD AT ALL SIDEWALK REPLACEMENT AND NEW SIDEWALK SECTIONS INSTALLED OVER EXISTING DRIVEWAYS. SEE DWG. MD-01 FOR DRIVEWAY RESTORATION DETAILS.
  - REFER TO DWG. MD-03 FOR TREE PIT CONSTRUCTION DETAILS AND REFER TO TREE PIT TABLE ON DWG. MT-04.



PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY			PROJECT NO. 200204.00	PROJECT MANAGER P. WLODARCZYK	DRAWN BY A. BENHUMEA	ISSUE DATE 7/18/2025
DRAWING NO. <b>GP-5</b>			AS SHOWN	SCALE	DESCRIPTION	DATE
SHEET 22 OF 60		COPYRIGHT © 2025 FISHER ASSOCIATES, P.E., L.S., L.A. OF NEW YORK, P.C. New York State Education Law, Section 1405.3 requires that any person who is licensed as a professional engineer or land surveyor, to alter in any way, or to use on any drawing, specification, contract or other document, or to use the name of any person, without the written consent of that person, is guilty of a crime. The user of this drawing, specification, contract or other document, or the name of any person, without the written consent of that person, is guilty of a crime.				
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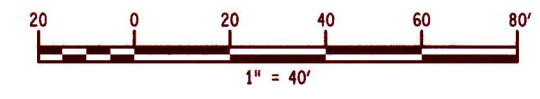
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 7/18/2025  
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**LEGEND**

- PAVEMENT WORK
- CONCRETE REMOVAL
- SIDEWALK CONSTRUCTION ITEM 608.0101
- DETECTABLE WARNING ITEM 608.21000003
- REMOVE PAVEMENT AND REPLACE WITH SOIL AND GRASS, SEE DETAIL ON SHEET MD-02
- BITUMENOUS DRIVEWAY RESTORATION SEE DETAIL ON SHEET MD-01
- SEDIMENT FILTER LOG-TEMPORARY, 12" ITEM 209.2301
- PROPOSED TREE PIT TREE WILL BE PLANTED BY OTHERS

- NOTES:**
- REPAIR DRIVEWAY TO ROAD AT ALL SIDEWALK REPLACEMENT AND NEW SIDEWALK SECTIONS INSTALLED OVER EXISTING DRIVEWAYS. SEE DWG. MD-01 FOR DRIVEWAY RESTORATION DETAILS.
  - REFER TO DWG. MD-03 FOR TREE PIT CONSTRUCTION DETAILS AND REFER TO TREE PIT TABLE ON DWG. MT-04.



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EA PROJECT NO. 200204.00  
 PROJECT MANAGER P. WLODARCZYK  
 DRAWN BY T. DAVIS  
 SCALE AS SHOWN  
 ISSUE DATE 7/18/2025



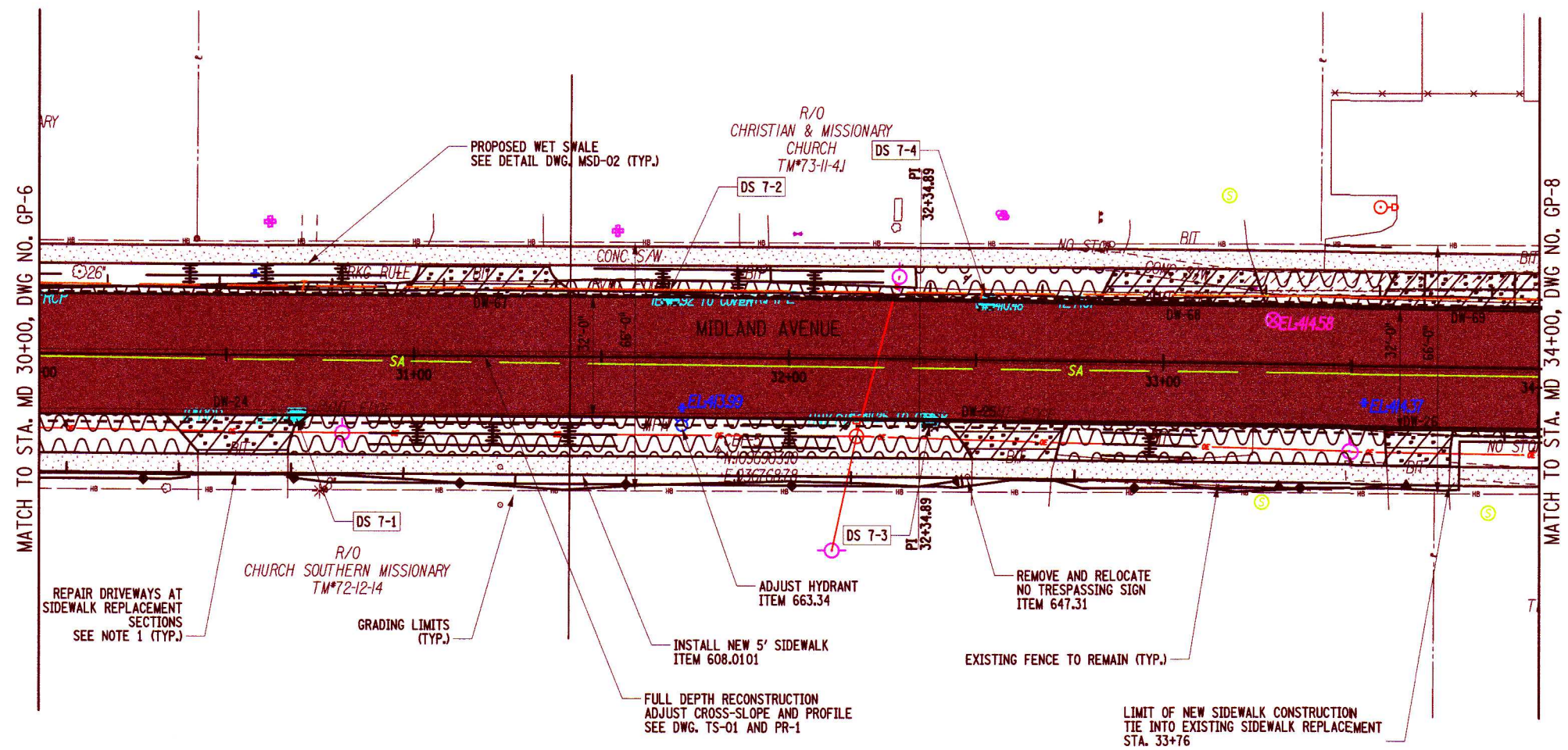
PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY

TITLE OF DRAWING: GENERAL PLAN

DRAWING NO. GP-6  
 SHEET 23 OF 60



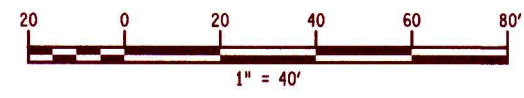
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**LEGEND**

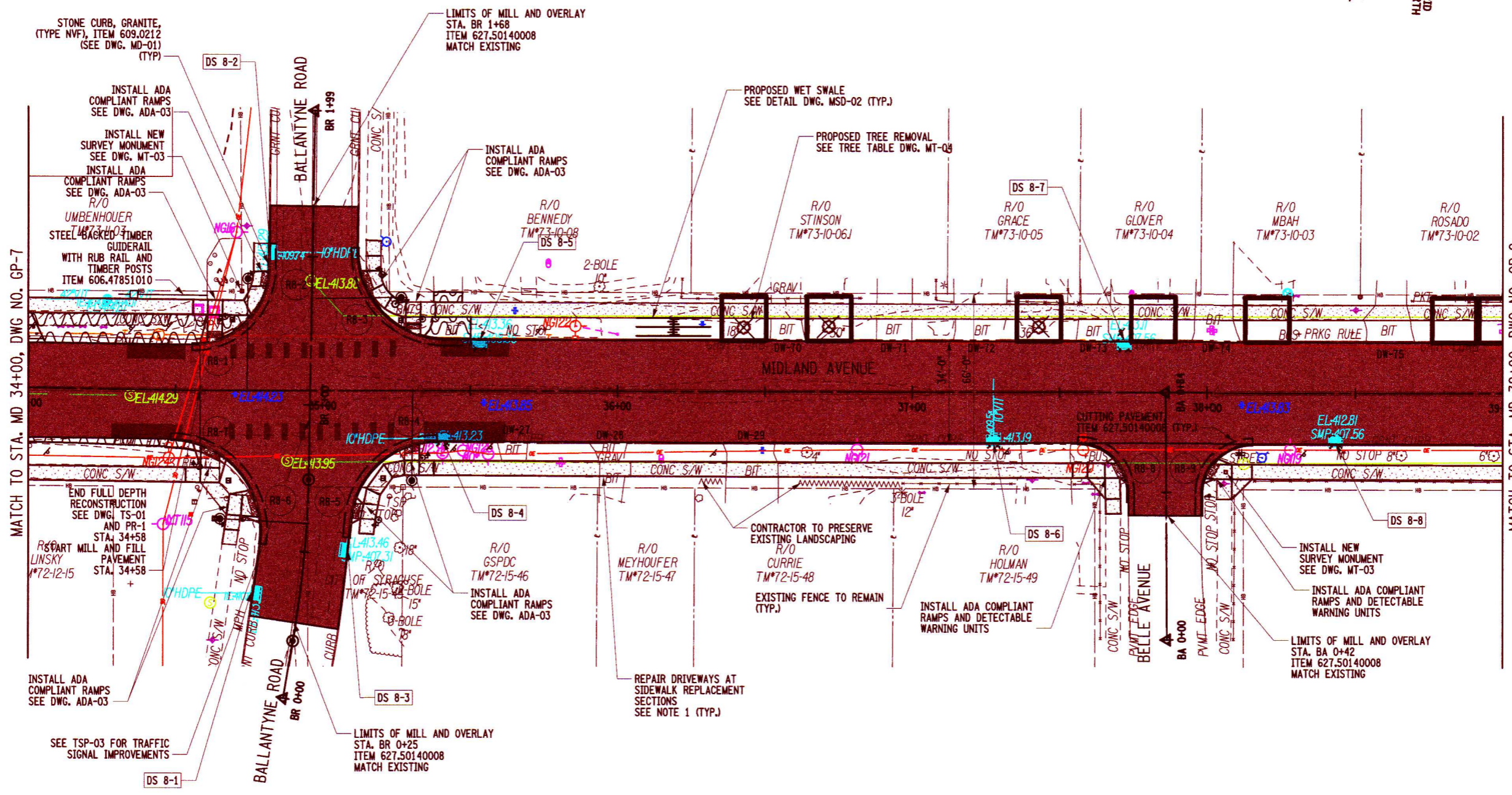
- PAVEMENT WORK
- CONCRETE REMOVAL
- SIDEWALK CONSTRUCTION ITEM 608.0101
- DETECTABLE WARNING ITEM 608.21000003
- REMOVE PAVEMENT AND REPLACE WITH SOIL AND GRASS, SEE DETAIL ON SHEET MD-02
- BITUMENOUS DRIVEWAY RESTORATION SEE DETAIL ON SHEET MD-01
- SEDIMENT FILTER LOG-TEMPORARY, 12" ITEM 209.2301

**NOTES:**  
 1. REPAIR DRIVEWAY TO ROAD AT ALL SIDEWALK REPLACEMENT AND NEW SIDEWALK SECTIONS INSTALLED OVER EXISTING DRIVEWAYS. SEE DWG. MD-01 FOR DRIVEWAY RESTORATION DETAILS.



	<p style="text-align: center;"><b>FISHER ASSOCIATES</b> WWW.FISHERASSOCIATES.COM</p>						
EA PROJECT NO. 200204.00 PROJECT MANAGER P. WLODARCZYK DRAWN BY T. DAVIS SCALE AS SHOWN ISSUE DATE 7/18/2025	PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY						
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DRAWING NO. <b>GP-7</b>							
SHEET 24 OF 60							

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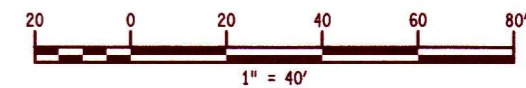


**LEGEND**

- PAVEMENT WORK
- CONCRETE REMOVAL
- SIDEWALK CONSTRUCTION  
ITEM 608.0101
- DETECTABLE WARNING  
ITEM 608.21000003
- REMOVE PAVEMENT AND REPLACE WITH SOIL  
AND GRASS, SEE DETAIL ON SHEET MD-02

- PROPOSED TREE PIT  
TREE WILL BE PLANTED BY OTHERS
- PROPOSED TREE PIT  
REMOVE AND PLANT NEW TREE

- NOTES:**
1. REPAIR DRIVEWAY TO ROAD AT ALL SIDEWALK REPLACEMENT AND NEW SIDEWALK SECTIONS INSTALLED OVER EXISTING DRIVEWAYS. SEE DWG. MD-01 FOR DRIVEWAY RESTORATION DETAILS.
  2. REFER TO DWG. MD-03 FOR TREE PIT CONSTRUCTION DETAILS AND REFER TO TREE PIT TABLE ON DWG. MT-04.



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EA PROJECT NO.  
200204.00  
 PROJECT MANAGER  
P. WLODARCZYK  
 DRAWN BY  
T. DAVIS  
 SCALE  
AS SHOWN  
 ISSUE DATE  
8/11/2025

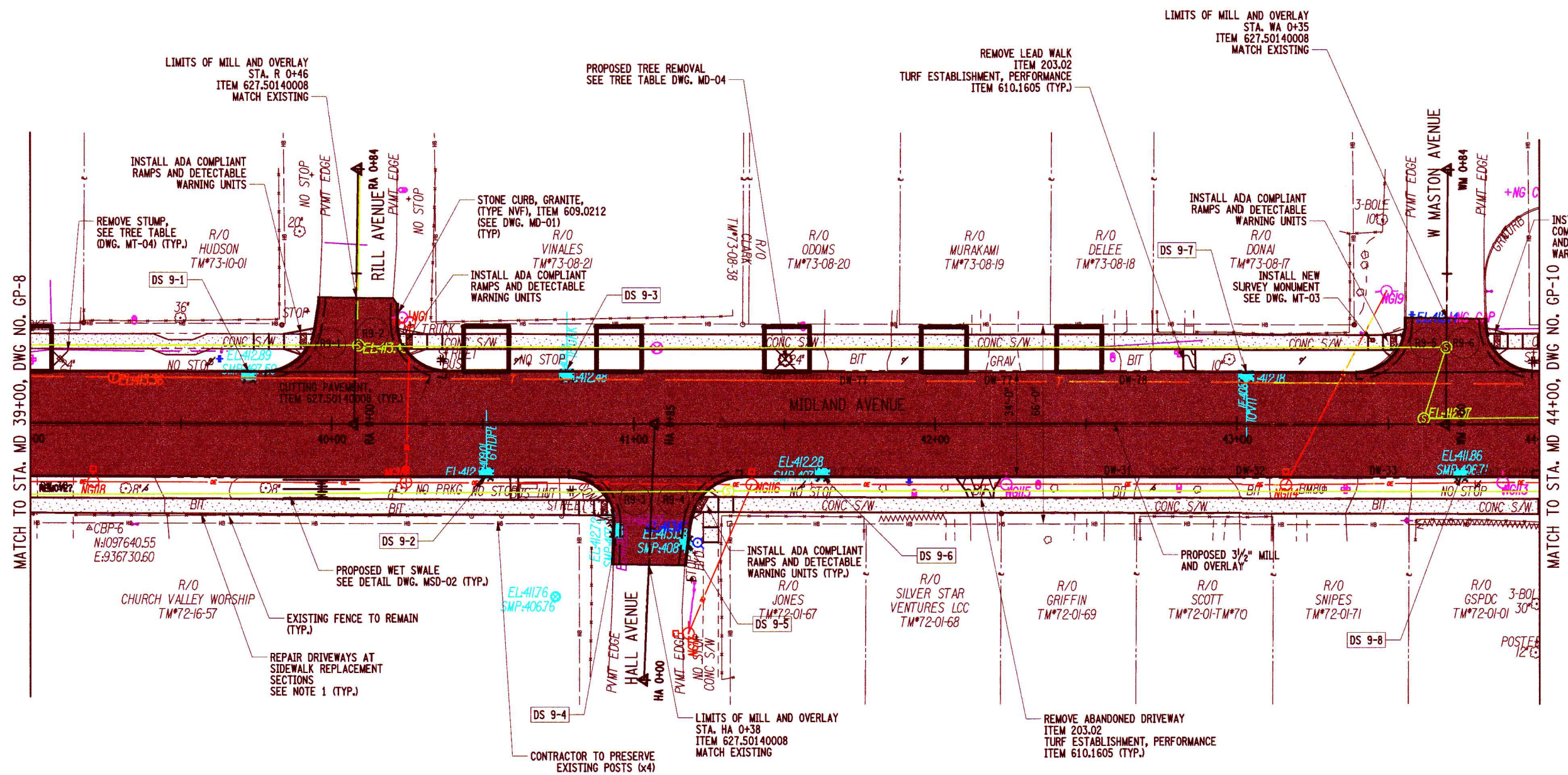


PROJECT  
MIDLAND AVENUE 2R PAVING PROJECT  
W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
CITY OF SYRACUSE  
ONONDAGA COUNTY

TITLE OF DRAWING  
GENERAL PLAN

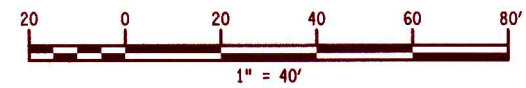
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**GP-8**  
 SHEET 25 OF 60

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- PAVEMENT WORK
- CONCRETE REMOVAL
- SIDEWALK CONSTRUCTION  
ITEM 608.0101
- DETECTABLE WARNING  
ITEM 608.21000003
- REMOVE PAVEMENT AND REPLACE WITH SOIL AND GRASS, SEE DETAIL ON SHEET MD-02
- PROPOSED TREE PIT  
TREE WILL BE PLANTED BY OTHERS
- PROPOSED TREE PIT  
REMOVE AND PLANT NEW TREE

- NOTES:**
- REPAIR DRIVEWAY TO ROAD AT ALL SIDEWALK REPLACEMENT AND NEW SIDEWALK SECTIONS INSTALLED OVER EXISTING DRIVEWAYS. SEE DWG. MD-01 FOR DRIVEWAY RESTORATION DETAILS.
  - REFER TO DWG. MD-03 FOR TREE PIT CONSTRUCTION DETAILS AND REFER TO TREE PIT TABLE ON DWG. MT-04.



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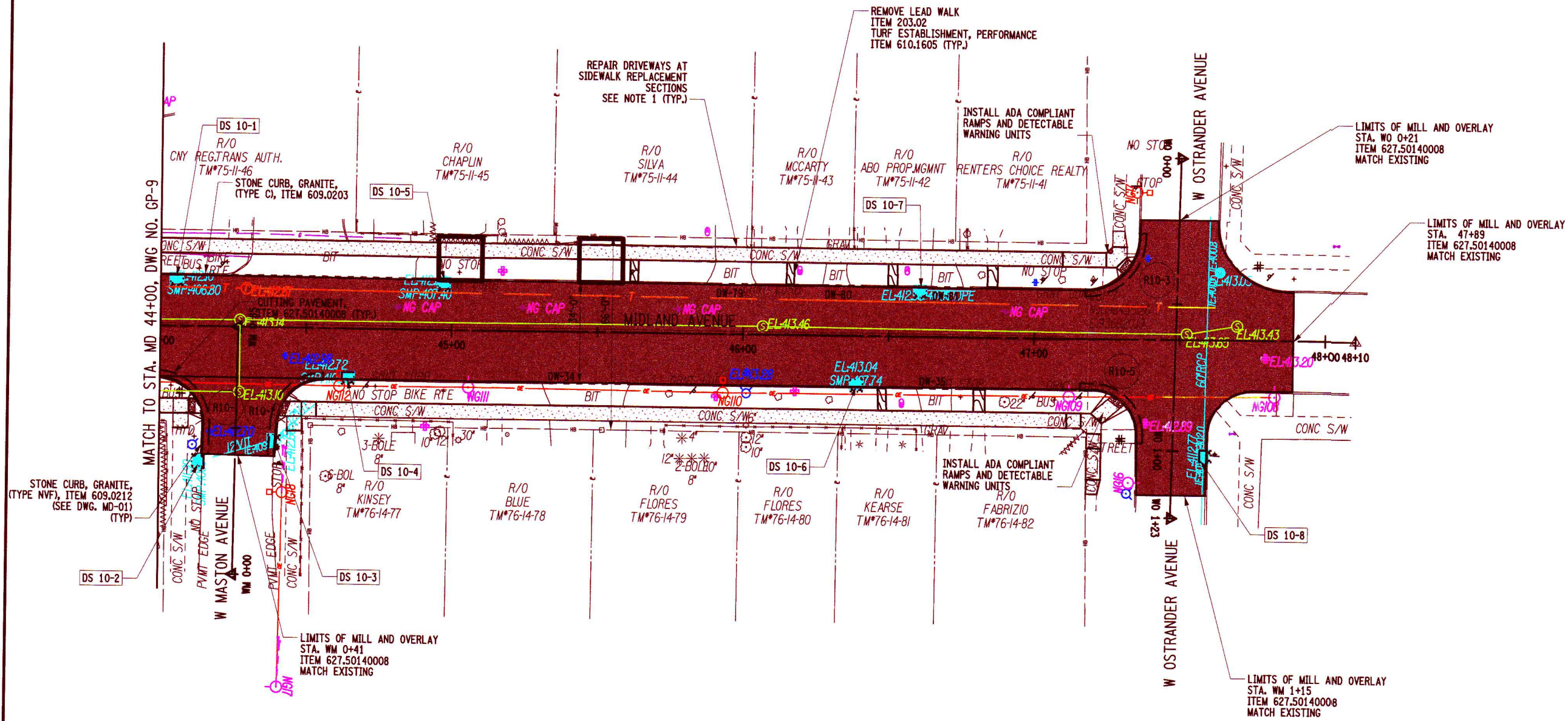
EA PROJECT NO. 200204.00  
 PROJECT MANAGER P. WLODARCZYK  
 DRAWN BY T. DAVIS  
 SCALE AS SHOWN  
 ISSUE DATE 7/18/2025



PROJECT  
 MIDLAND AVENUE 2R PAVING PROJECT  
 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY  
 TITLE OF DRAWING  
 GENERAL PLAN

DRAWING NO.  
**GP-9**  
 SHEET 26 OF 60

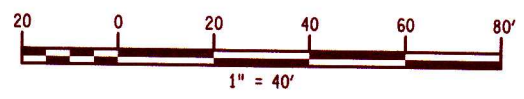
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**LEGEND**

- PAVEMENT WORK
- CONCRETE REMOVAL
- SIDEWALK CONSTRUCTION  
ITEM 608.0101
- DETECTABLE WARNING  
ITEM 608.21000003
- REMOVE PAVEMENT AND REPLACE WITH SOIL AND GRASS, SEE DETAIL ON SHEET MD-02
- PROPOSED TREE PIT  
TREE WILL BE PLANTED BY OTHERS

- NOTES:**
- REPAIR DRIVEWAY TO ROAD AT ALL SIDEWALK REPLACEMENT AND NEW SIDEWALK SECTIONS INSTALLED OVER EXISTING DRIVEWAYS. SEE DWG. MD-01 FOR DRIVEWAY RESTORATION DETAILS. REFER TO DWG. MD-03 FOR TREE PIT CONSTRUCTION DETAILS AND REFER TO TREE PIT TABLE ON DWG. MT-04.



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PROJECT NO. 200204.00  
 PROJECT MANAGER P. WLODARCZYK  
 DRAWN BY T. DAVIS  
 SCALE AS SHOWN  
 ISSUE DATE 7/18/2025

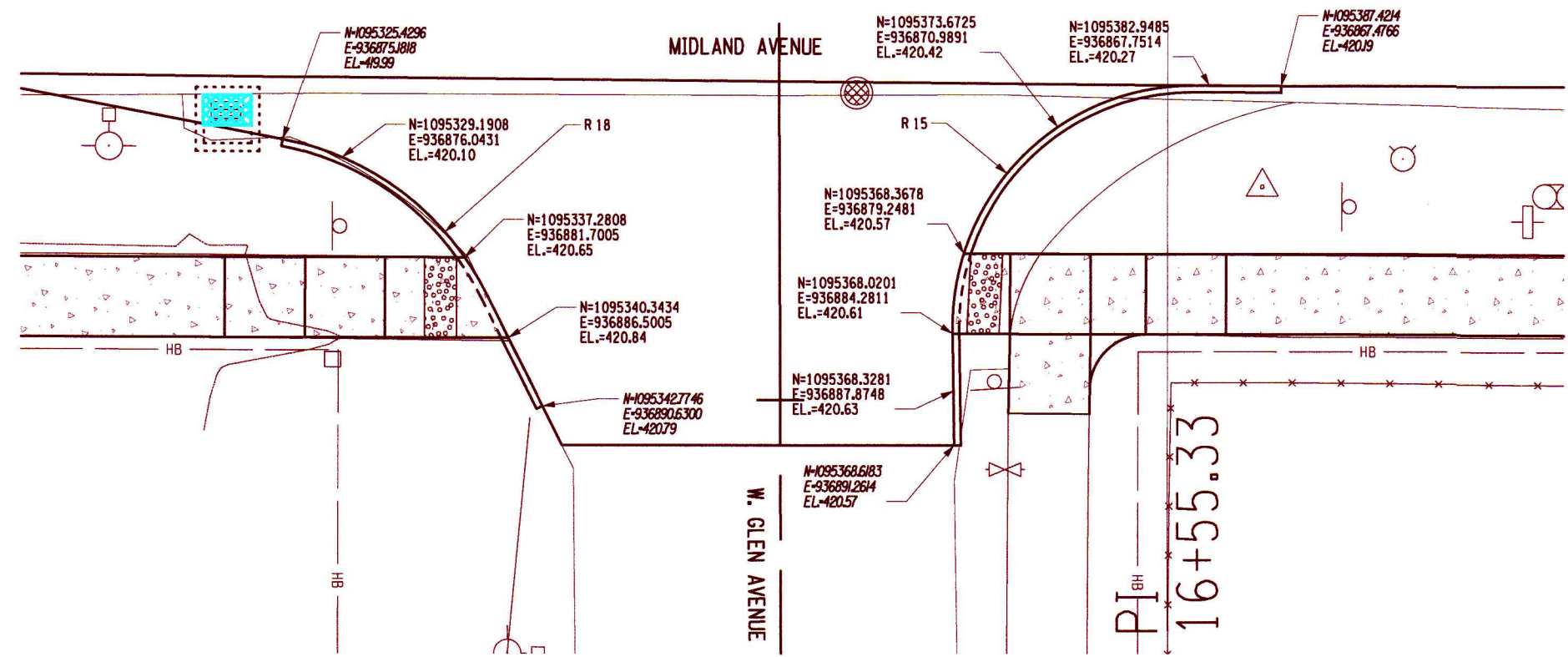
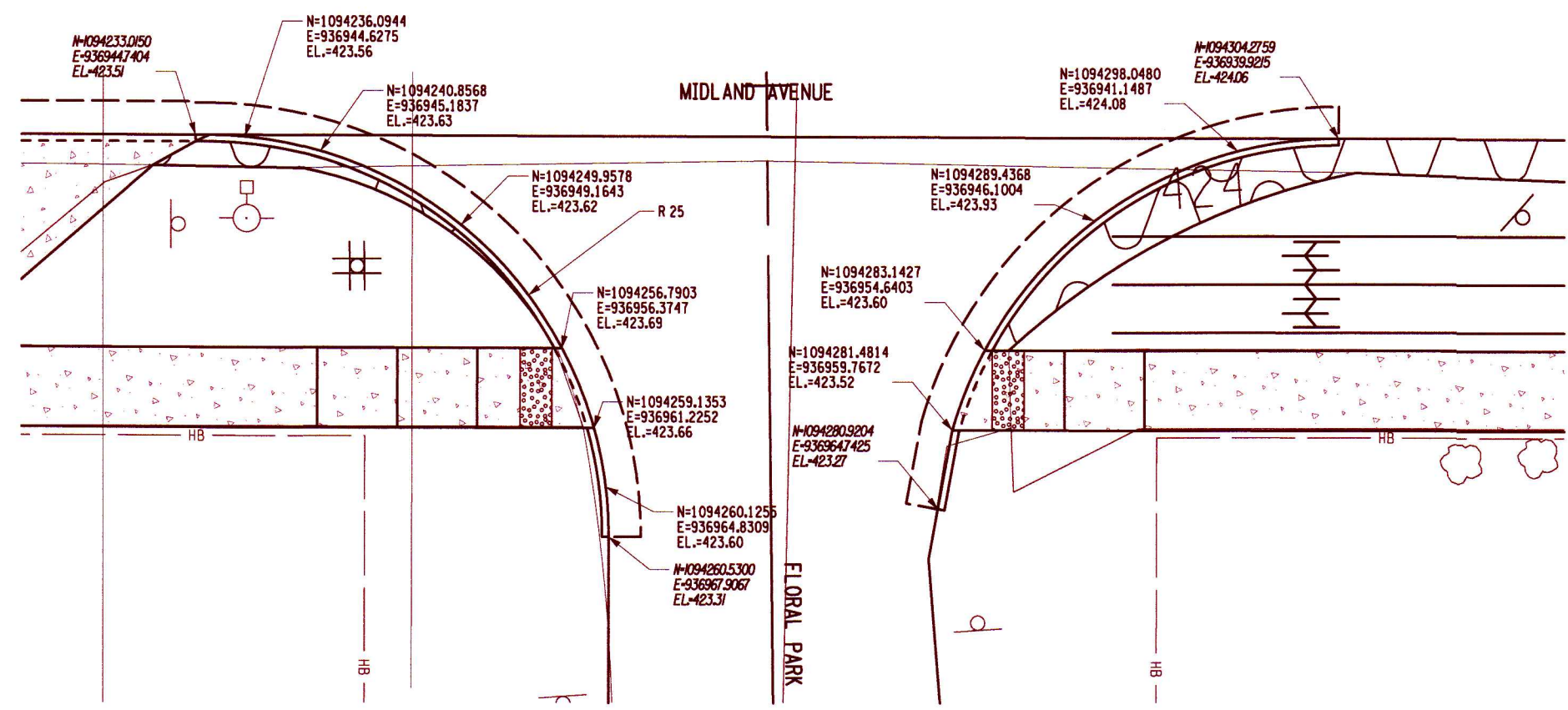


PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY

TITLE OF DRAWING: GENERAL PLAN

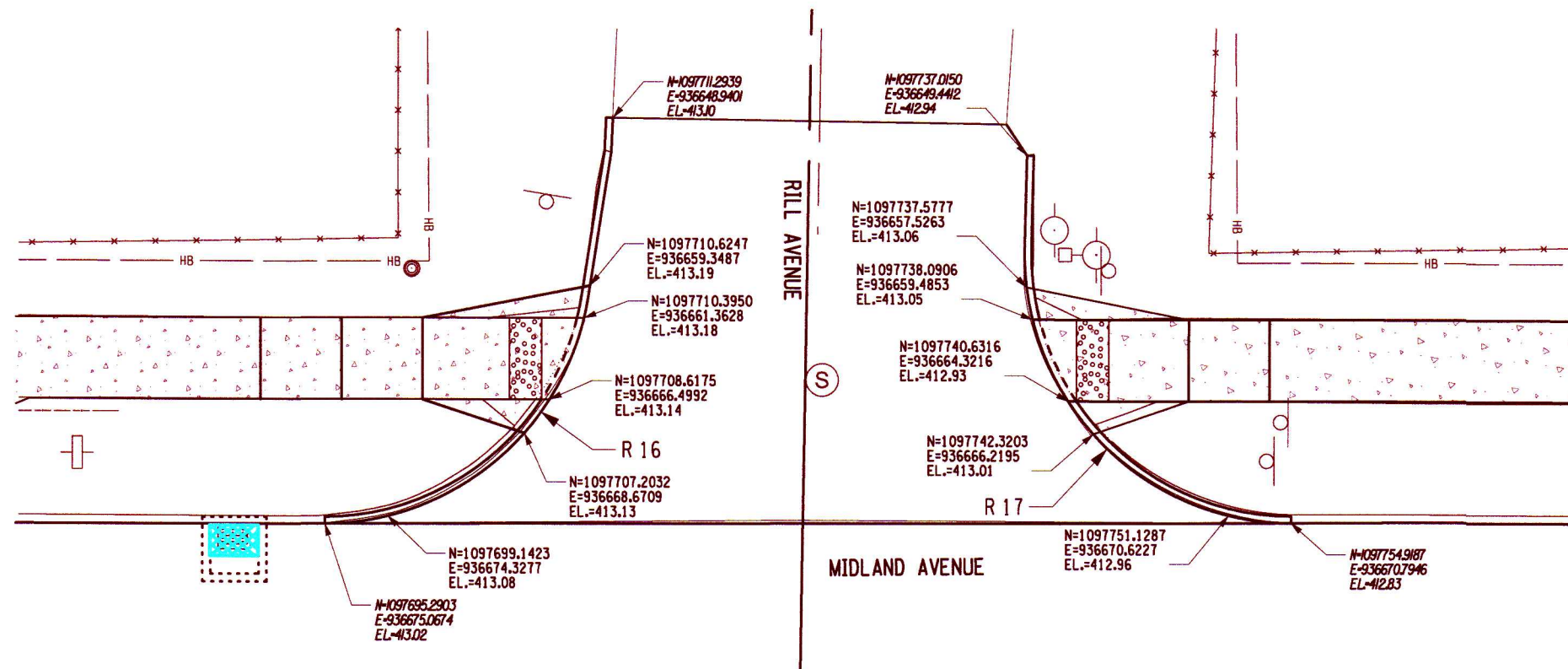
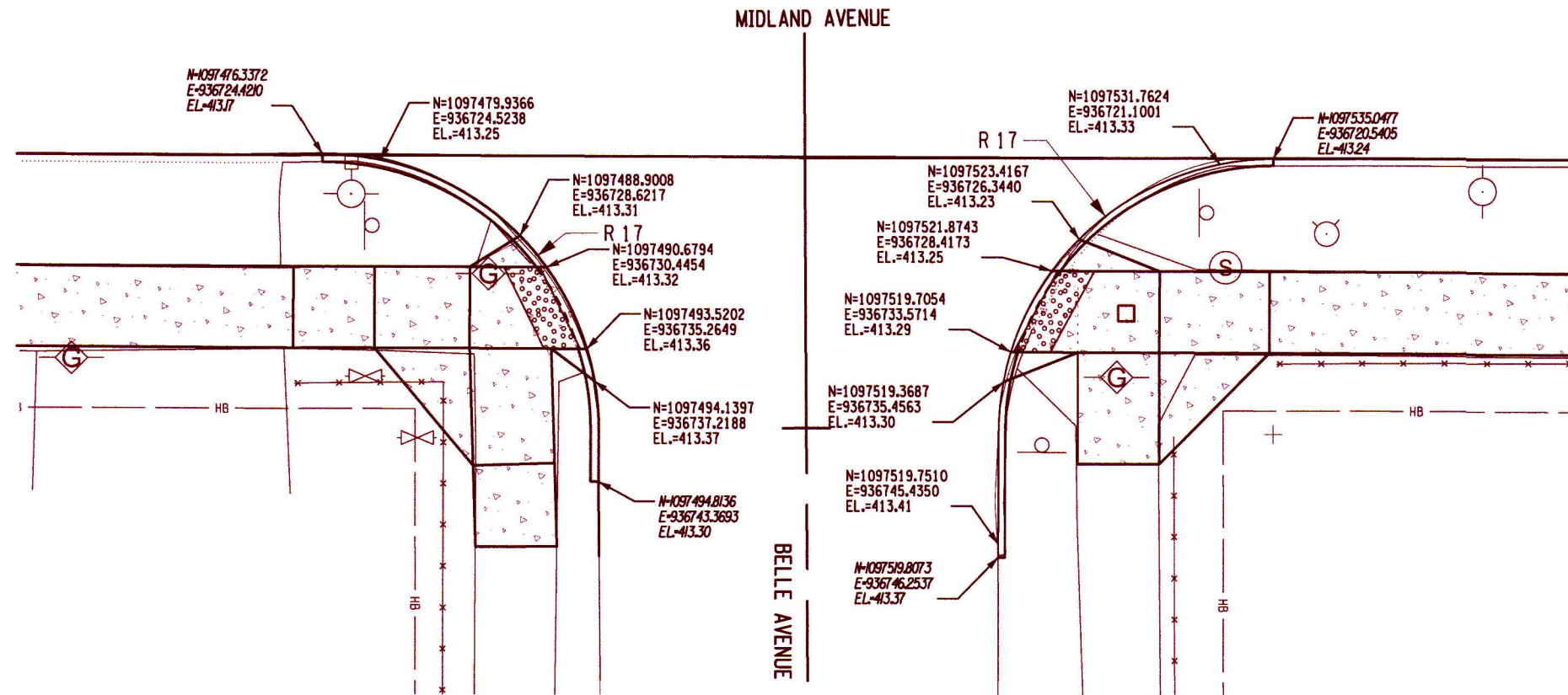
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 SHEET 27 OF 60

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PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY		TITLE OF DRAWING SIDE STREET FULL DEPTH RECONSTRUCTION DETAILS	
DRAWING NO. <b>SS-01</b>		SHEET 28 OF 60	
PROJECT NO. 200204.00 PROJECT MANAGER P. WLODARCZYK		DRAWN BY C. STROOPE SCALE AS SHOWN	
ISSUE DATE 7/18/2025		REV 1 2 3 4 5 6 7	
DESCRIPTION		DATE BY	
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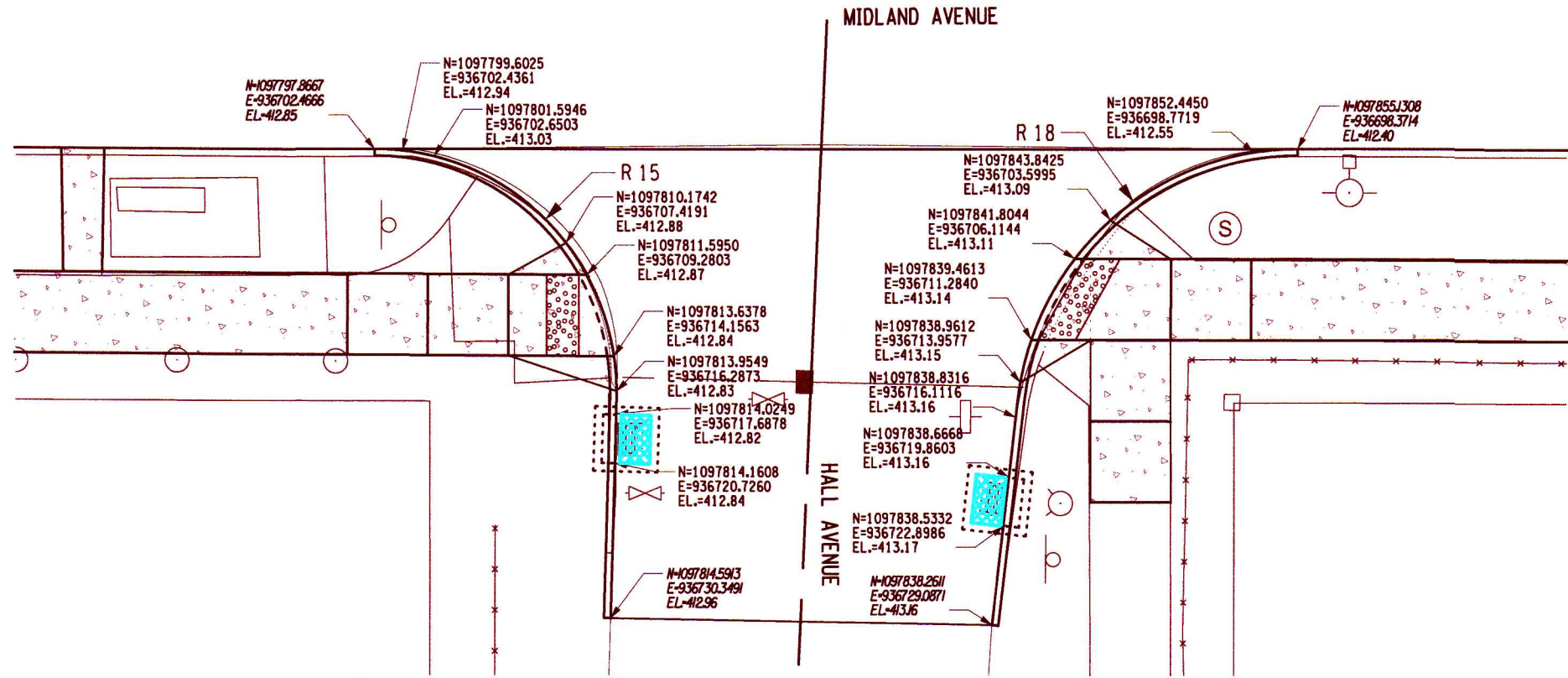
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 ADP:Paul



PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY		TITLE OF DRAWING SIDE STREET FULL DEPTH RECONSTRUCTION DETAILS	
DRAWING NO. <b>SS-02</b>		SHEET 29 OF 60	
PROJECT NO. 200204.00 PROJECT MANAGER P. WLODARCZYK DRAWN BY C. STROOPE SCALE AS SHOWN		ISSUE DATE 7/18/2025	
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		DESCRIPTION DATE BY	

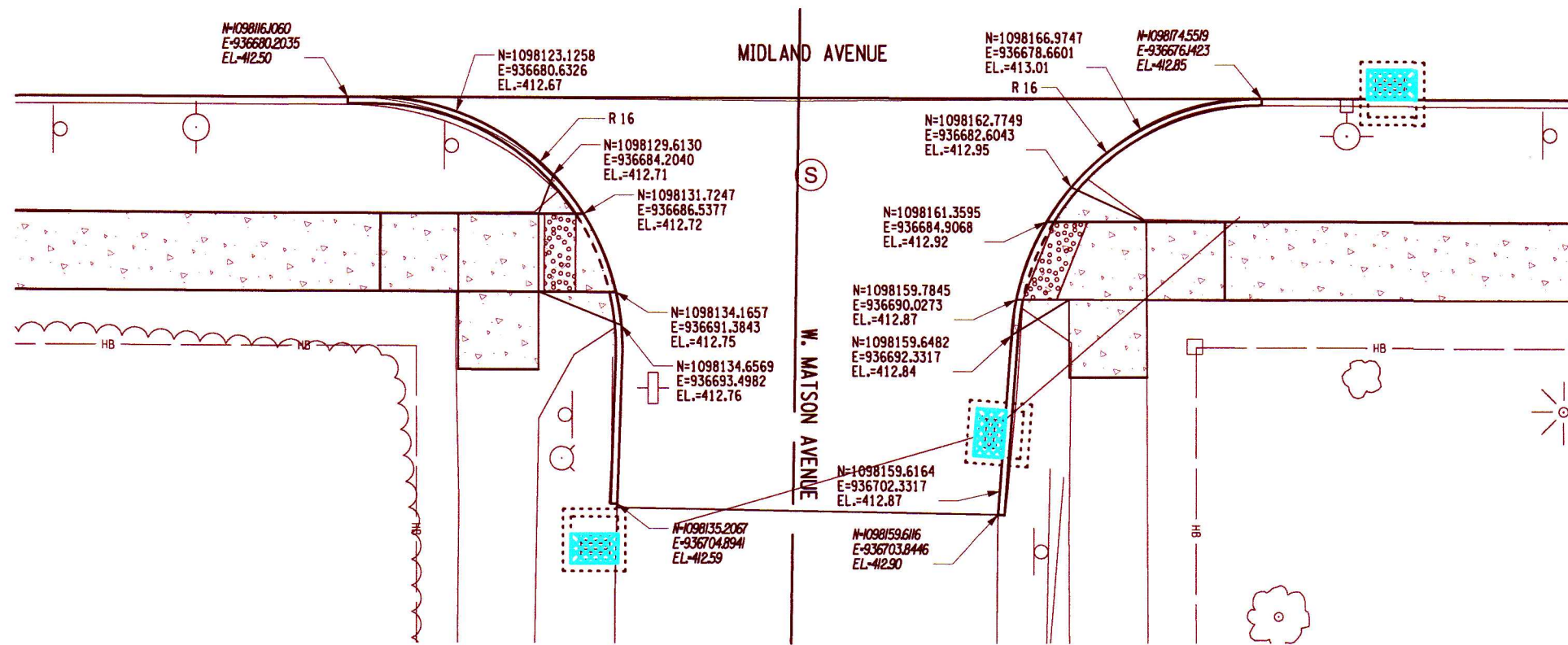
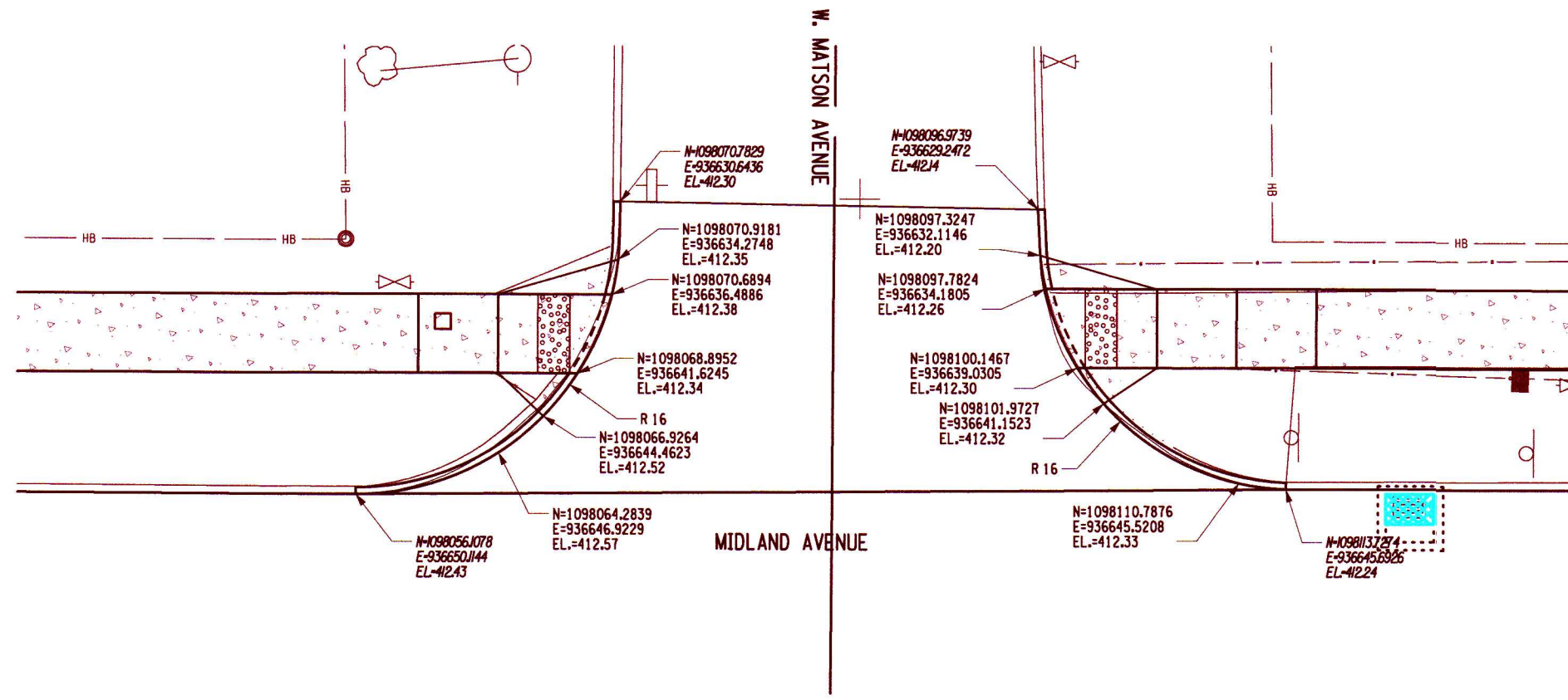


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PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY		TITLE OF DRAWING SIDE STREET FULL DEPTH RECONSTRUCTION DETAILS	
DRAWING NO. <b>SS-03</b>		SHEET 30 OF 60	
PROJECT NO. 200204.00 PROJECT MANAGER P. WLODARCZYK DRAWN BY C. STROOPE SCALE AS SHOWN		ISSUE DATE 7/18/2025	
STATE OF NEW YORK RICHARD W. FISHER REGISTERED PROFESSIONAL ENGINEER 071088		FISHER ASSOCIATES WWW.FISHERASSOC.COM	
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DESCRIPTION		DATE BY	

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 OF NEW YORK, P.C.  
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 1703.0(2) requires that the design  
 professional, in the design of any  
 project, shall be a duly licensed  
 professional engineer or land  
 surveyor, to date on file in any way,  
 in order to hold a contract or other  
 agreement with any party, and that  
 the professional shall be licensed in the  
 jurisdiction in which the project is  
 located, and a specific description  
 of the profession.

FA PROJECT NO.  
 200204.00  
 PROJECT MANAGER  
 P. WLODARCZYK  
 DRAWN BY  
 C. STROOPE  
 SCALE  
 AS SHOWN  
 ISSUE DATE  
 7/18/2025



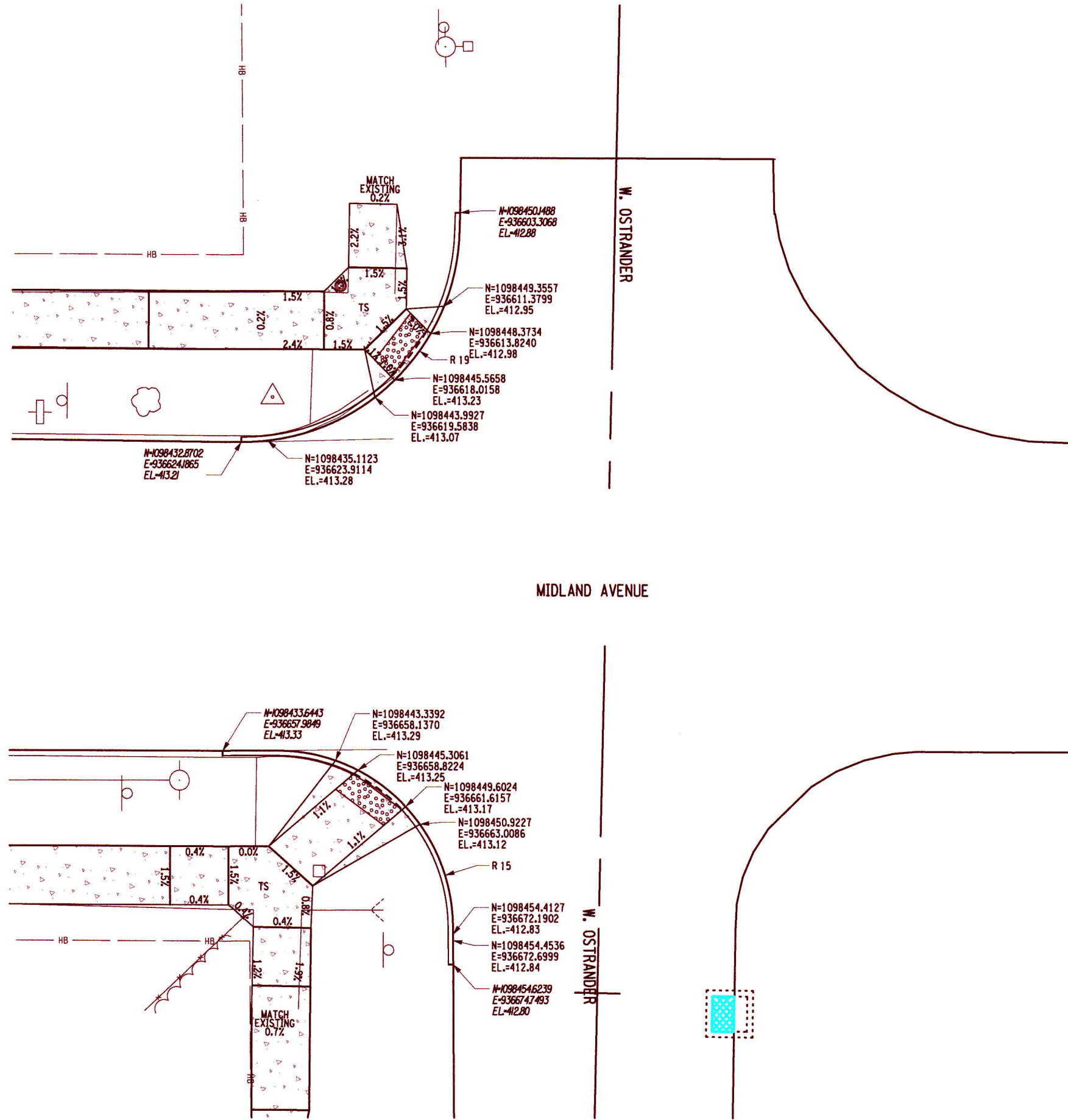
PROJECT  
 MIDLAND AVENUE 2R PAVING PROJECT  
 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY

TITLE OF DRAWING  
 SIDE STREET FULL DEPTH RECONSTRUCTION DETAILS

DRAWING NO.  
**SS-04**  
 SHEET 31 OF 60



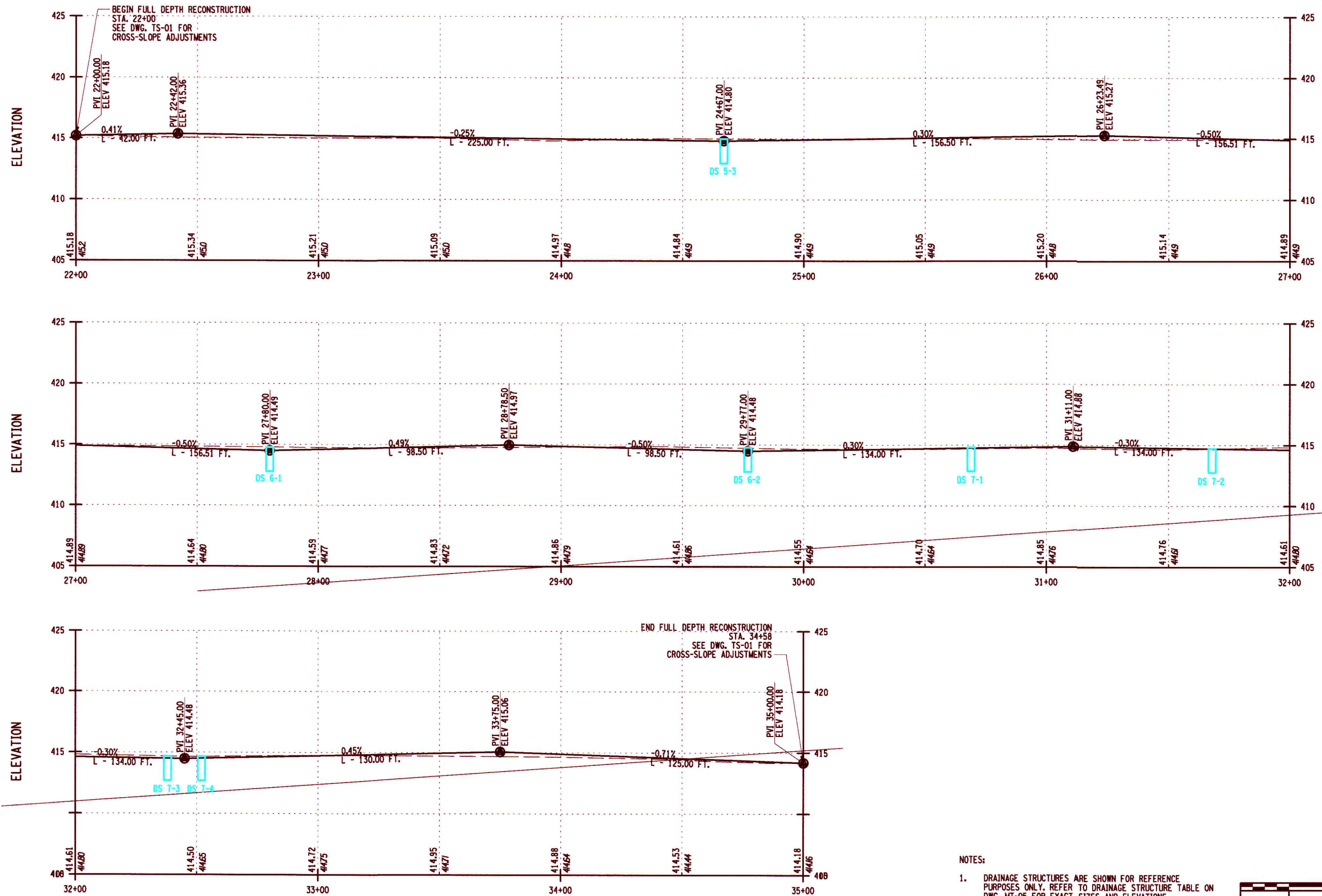
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PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY		TITLE OF DRAWING SIDE STREET FULL DEPTH RECONSTRUCTION DETAILS	
DRAWING NO. <b>SS-05</b>		SHEET 32 OF 60	
PROJECT NO. 200204.00 PROJECT MANAGER P. WLODARCZYK		DRAWN BY C. STROOPE SCALE AS SHOWN	
ISSUE DATE 7/18/2025		REV 1 2 3 4 5 6 7	
DESCRIPTION		DATE	
BY		DATE	
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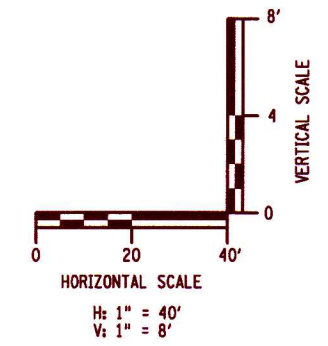


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**NOTES:**

1. DRAINAGE STRUCTURES ARE SHOWN FOR REFERENCE PURPOSES ONLY. REFER TO DRAINAGE STRUCTURE TABLE ON DWG. MT-05 FOR EXACT SIZES AND ELEVATIONS.



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ISSUE DATE  
7/18/2025

AS SHOWN

SCALE

AS SHOWN

DRAWN BY  
P. MACKO

PROJECT MANAGER  
P. WLODARCZYK

PROJECT NO.  
200204.00

FA PROJECT NO.  
200204.00

STATE OF NEW YORK  
REGISTERED PROFESSIONAL ENGINEER  
07298

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PROJECT  
MIDLAND AVENUE 2R PAVING PROJECT  
W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
CITY OF SYRACUSE  
ONONDAGA COUNTY

TITLE OF DRAWING  
FULL DEPTH RECONSTRUCTION PROFILE

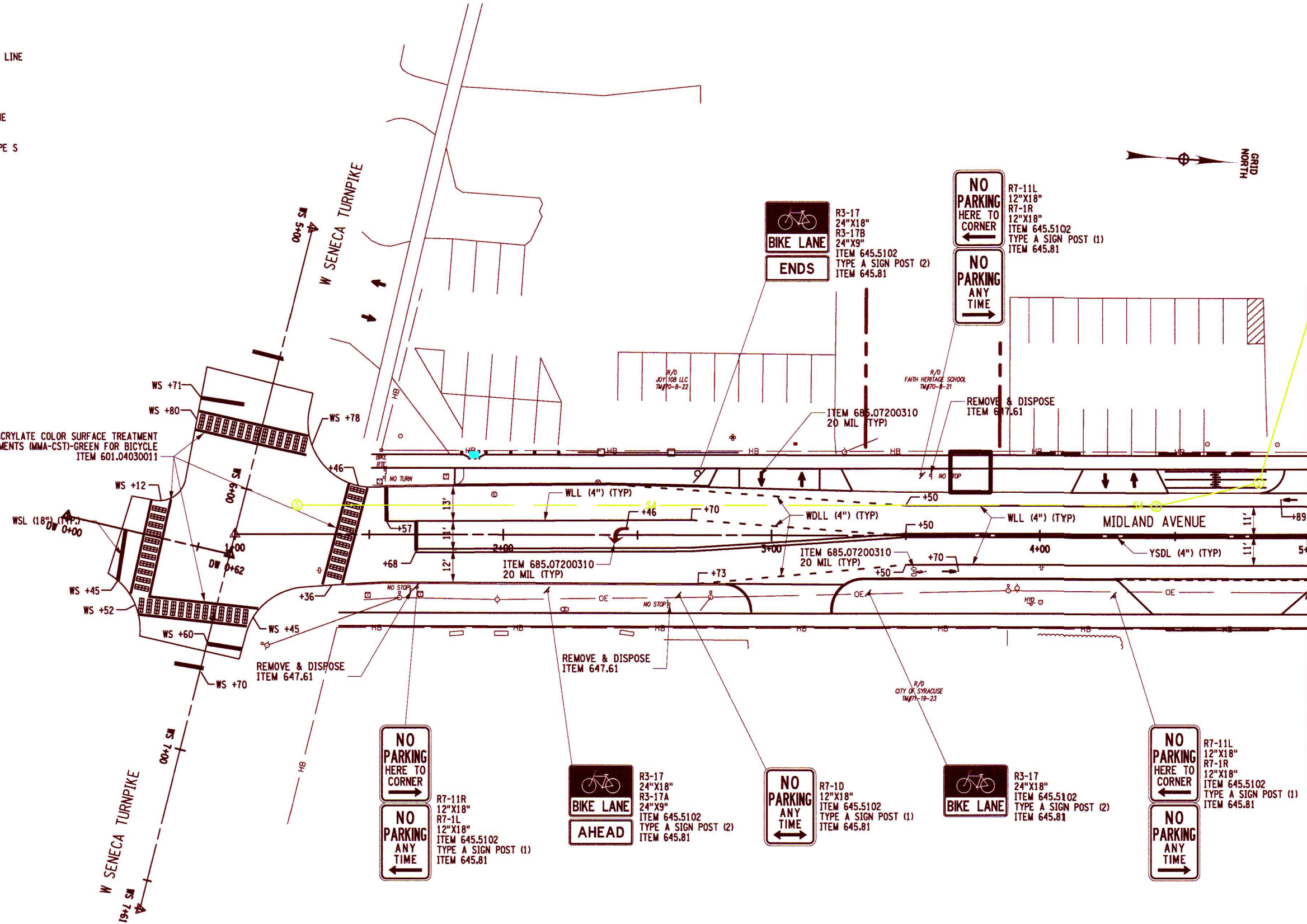
DRAWING NO.  
**PR-01**

SHEET 33 OF 60

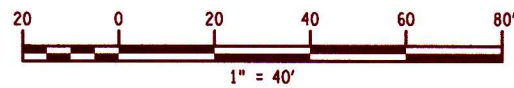
**LEGEND**

- WDLL WHITE DASHED LINE  
ITEM 685.1102
- YSDL YELLOW FULL BARRIER LINE  
ITEM 685.1202
- WSL WHITE STOP BAR  
ITEM 685.1102
- WLL WHITE SOLID LANE LINE  
ITEM 685.1102
- WCWL WHITE CROSSWALK, TYPE S  
ITEM 685.1102

METHYL METHACRYLATE COLOR SURFACE TREATMENT FOR PAVEMENTS (MMA-CST)-GREEN FOR BICYCLE  
ITEM 601.04030011



MATCH TO STA. MD 5+00, DWG NO. SPM-02

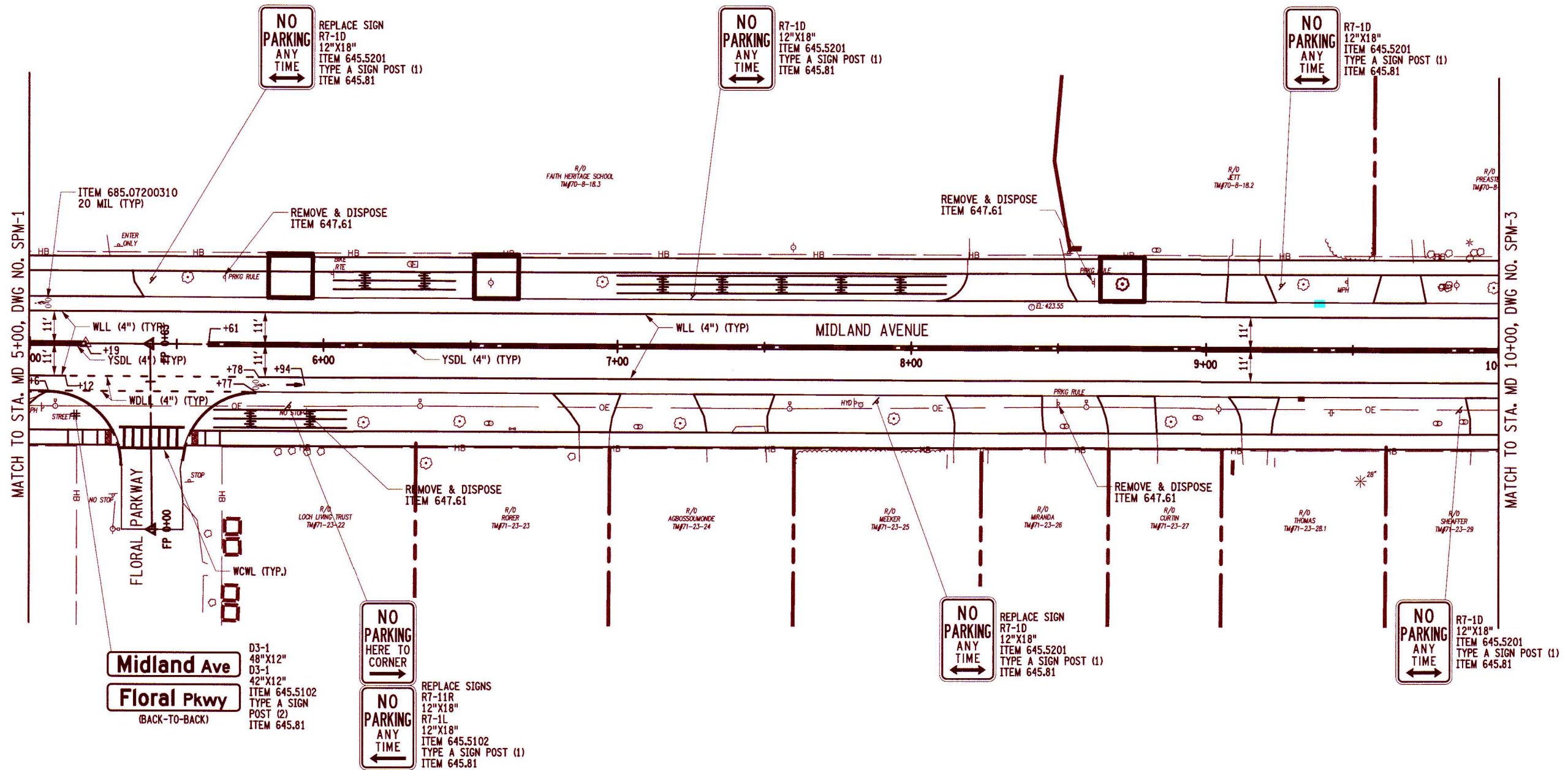


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PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY		
TITLE OF DRAWING SIGNING AND PAVEMENT MARKING PLAN		
DRAWING NO. <span style="font-size: 2em; font-weight: bold;">SPM-01</span>		
SHEET 34 OF 60		
FA PROJECT NO. 200204.00 PROJECT MANAGER P. WLODARCZYK DRAWN BY T. DAVIS SCALE AS SHOWN	ISSUE DATE 7/19/2025 AS SHOWN	REV 7 6 5 4 3 2 1
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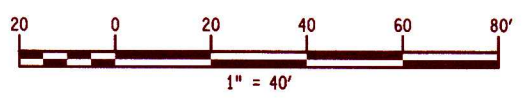
**LEGEND**

- WDLL WHITE DASHED LINE  
ITEM 685.1102
- YSDL YELLOW FULL BARRIER LINE  
ITEM 685.1202
- WSL WHITE STOP BAR  
ITEM 685.1102
- WLL WHITE SOLID LANE LINE  
ITEM 685.1102
- WCWL WHITE CROSSWALK, TYPE S  
ITEM 685.1102



MATCH TO STA. MD 5+00, DWG NO. SPM-1

MATCH TO STA. MD 10+00, DWG NO. SPM-3

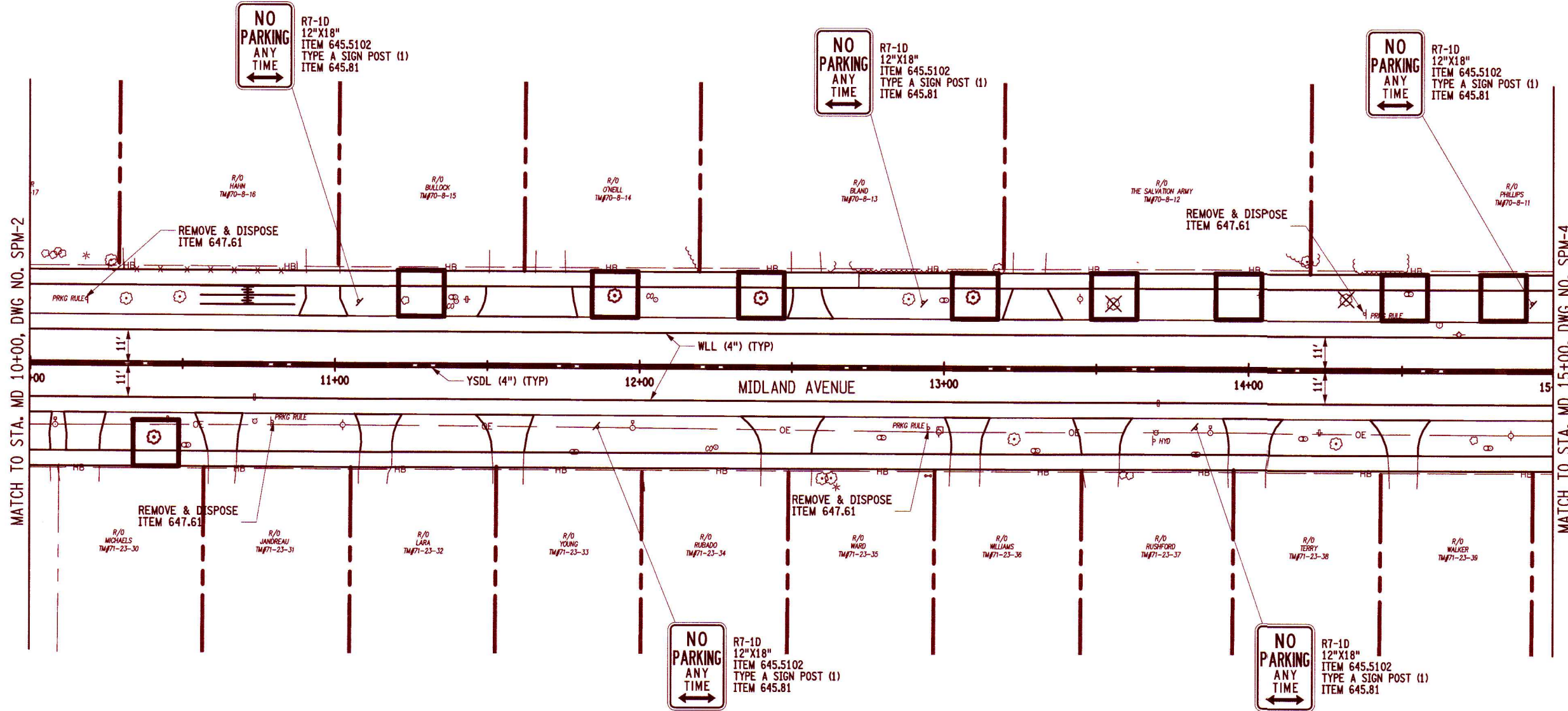


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PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY	TITLE OF DRAWING SIGNING AND PAVEMENT MARKING PLAN	DRAWING NO. <b>SPM-2</b>	SHEET 35 OF 60	DATE 7/18/2025
PROJECT NO. 200204.00		PROJECT MANAGER P. WLODARCZYK		ISSUE DATE 7/18/2025
DRAWN BY T. DAVIS		SCALE AS SHOWN		REV 1 2 3 4 5 6 7
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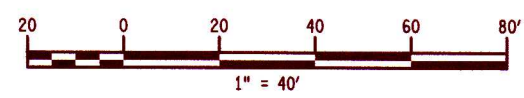
**LEGEND**

- WDL WHITE DASHED LINE  
ITEM 685.1102
- YSDL YELLOW FULL BARRIER LINE  
ITEM 685.1202
- WSL WHITE STOP BAR  
ITEM 685.1102
- WLL WHITE SOLID LANE LINE  
ITEM 685.1102
- WCWL WHITE CROSSWALK, TYPE S  
ITEM 685.1102



MATCH TO STA. MD 10+00, DWG NO. SPM-2

MATCH TO STA. MD 15+00, DWG NO. SPM-4

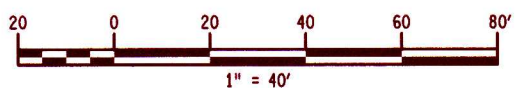
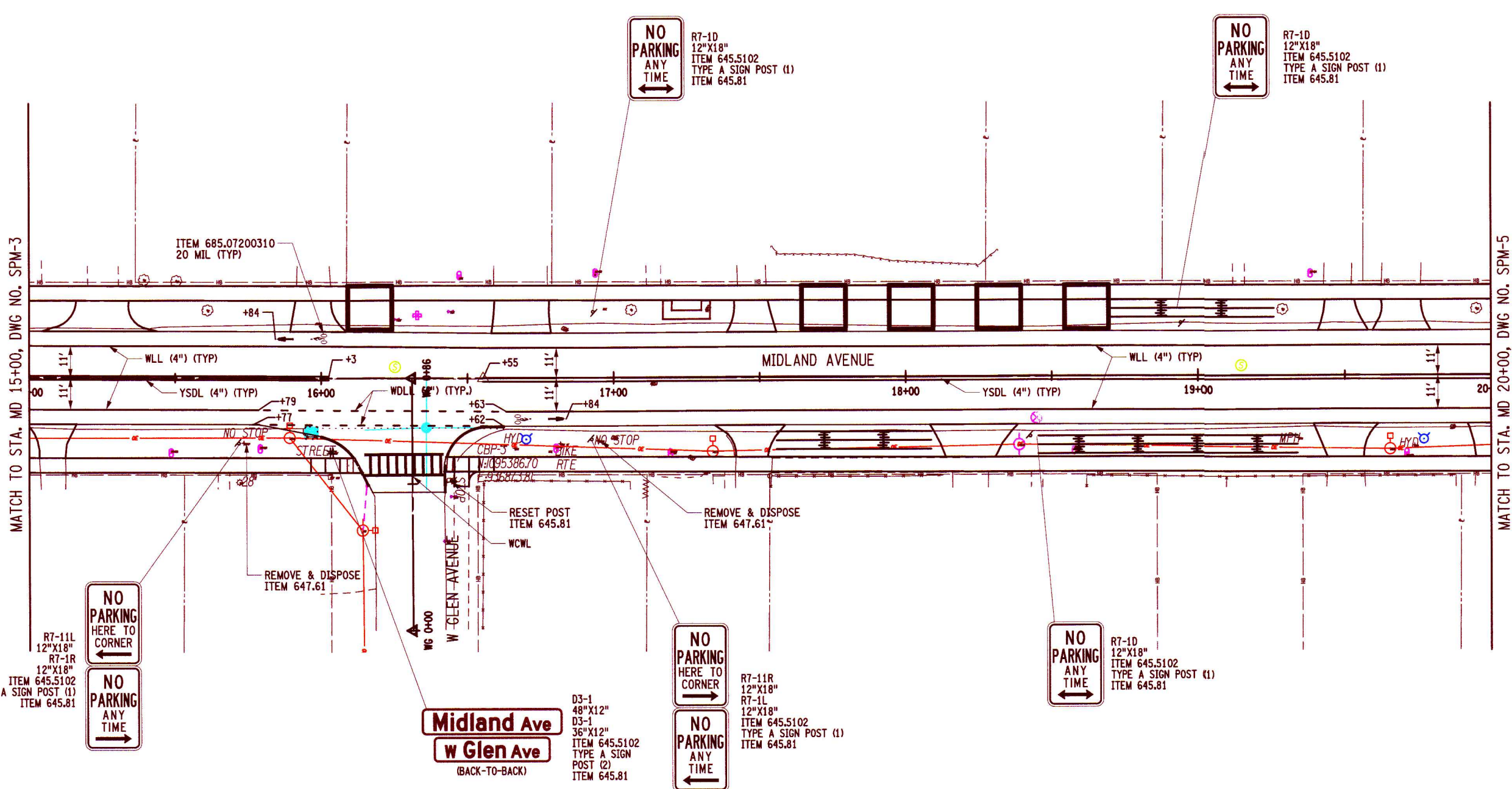


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PROJECT NO. 200204.00 PROJECT MANAGER P. WLODARCZYK DRAWN BY T. DAVIS SCALE AS SHOWN ISSUE DATE 7/18/2025							
PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY							
TITLE OF DRAWING SIGNING AND PAVEMENT MARKING PLAN							
DRAWING NO. <h1 style="margin: 0;">SPM-3</h1>							
SHEET 36 OF 60							

**LEGEND**

- WDLL WHITE DASHED LINE  
ITEM 685.1102
- YSOL YELLOW FULL BARRIER LINE  
ITEM 685.1202
- WSL WHITE STOP BAR  
ITEM 685.1102
- WLL WHITE SOLID LANE LINE  
ITEM 685.1102
- WCWL WHITE CROSSWALK, TYPE S  
ITEM 685.1102

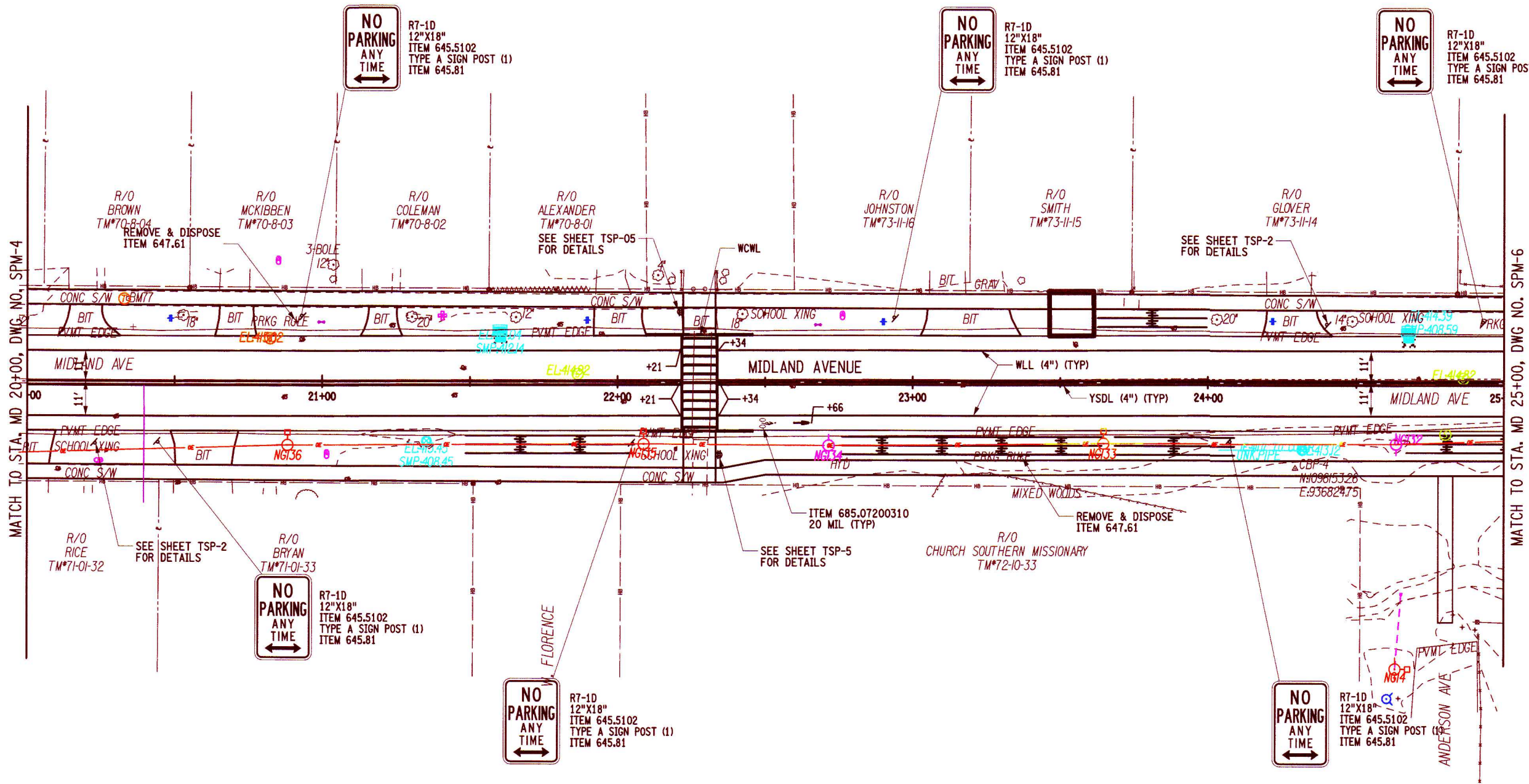


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PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE, ONONDAGA COUNTY		TITLE OF DRAWING SIGNING AND PAVEMENT MARKING PLAN
DRAWING NO. <b>SPM-4</b>		
PROJECT NO. 200204.00 PROJECT MANAGER P. WLODARCZYK		ISSUE DATE 7/18/2025 AS SHOWN
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**LEGEND**

- WDLL WHITE DASHED LINE  
ITEM 685.1102
- YSDL YELLOW FULL BARRIER LINE  
ITEM 685.1202
- WSL WHITE STOP BAR  
ITEM 685.1102
- WLL WHITE SOLID LANE LINE  
ITEM 685.1102
- WCWL WHITE CROSSWALK, TYPE S  
ITEM 685.1102



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PROJECT NO.  
 200204.00  
 PROJECT MANAGER  
 P. WLODARCZYK  
 DRAWN BY  
 T. DAVIS  
 SCALE  
 AS SHOWN  
 ISSUE DATE  
 7/18/2025



PROJECT  
 MIDLAND AVENUE 2R PAVING PROJECT  
 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY

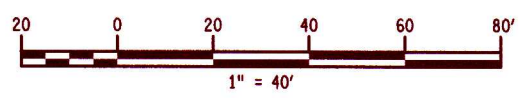
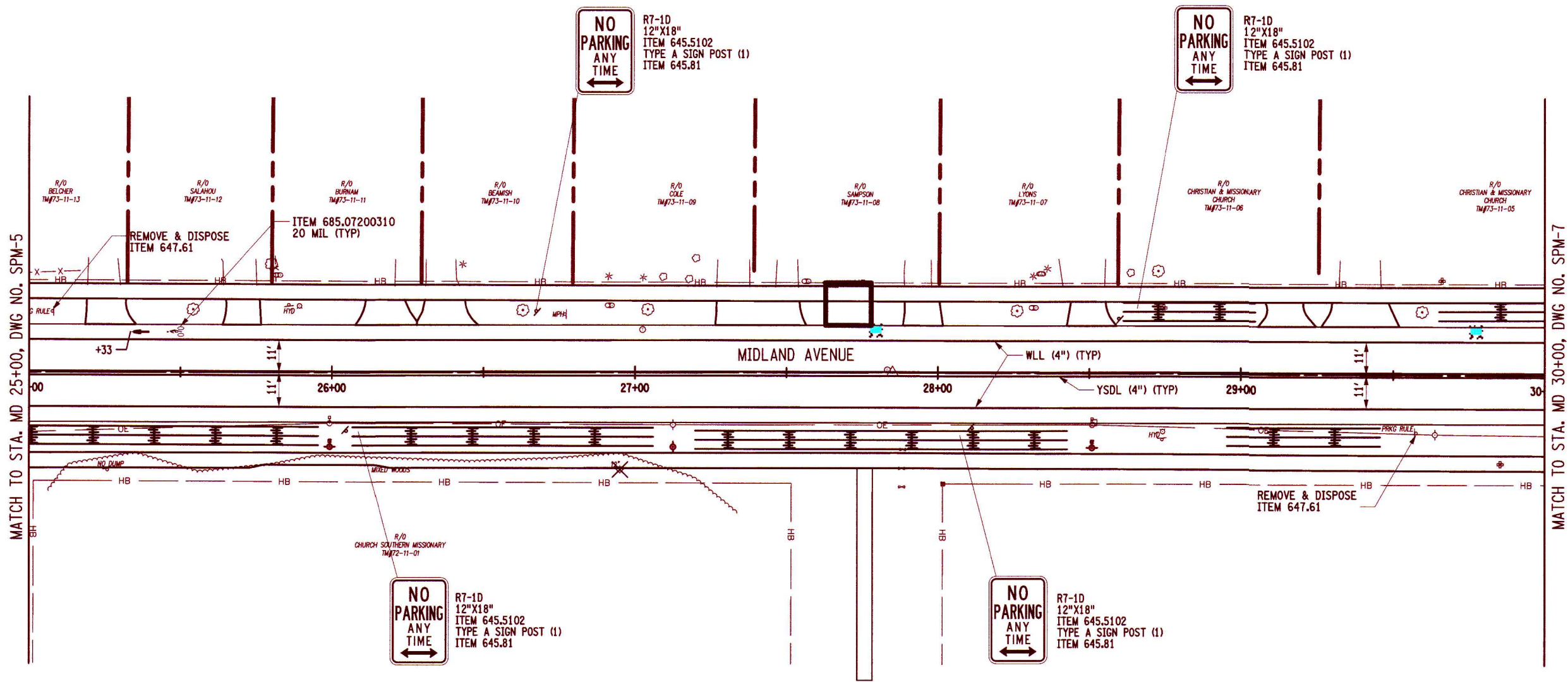
TITLE OF DRAWING  
 SIGNING AND PAVEMENT MARKING PLAN

DRAWING NO.  
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 SHEET 38 OF 60

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 ADaPaul

**LEGEND**

- WDLL WHITE DASHED LINE  
ITEM 685.1102
- YSDL YELLOW FULL BARRIER LINE  
ITEM 685.1202
- WSL WHITE STOP BAR  
ITEM 685.1102
- WLL WHITE SOLID LANE LINE  
ITEM 685.1102
- WCWL WHITE CROSSWALK, TYPE S  
ITEM 685.1102



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EA PROJECT NO. 200204.00 PROJECT MANAGER P. WLODARCZYK DRAWN BY T. DAVIS SCALE AS SHOWN	ISSUE DATE 7/18/2025
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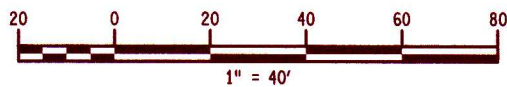
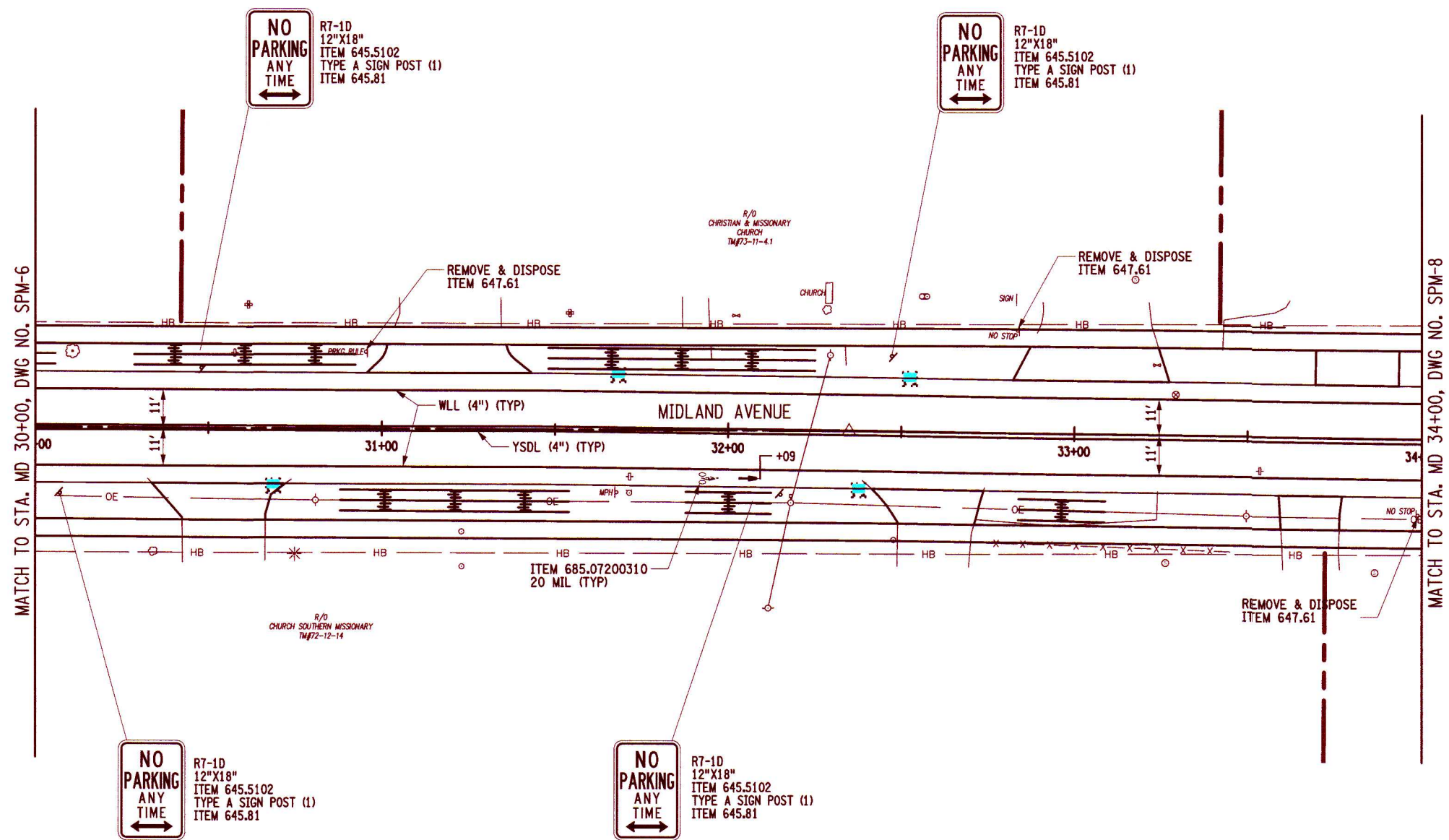
PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY	TITLE OF DRAWING SIGNING AND PAVEMENT MARKING PLAN
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DRAWING NO. <b>SPM-6</b>	SHEET 39 OF 60
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**LEGEND**

- WDLL WHITE DASHED LINE  
ITEM 685.1102
- YSDL YELLOW FULL BARRIER LINE  
ITEM 685.1202
- WSL WHITE STOP BAR  
ITEM 685.1102
- WLL WHITE SOLID LANE LINE  
ITEM 685.1102
- WCWL WHITE CROSSWALK, TYPE S  
ITEM 685.1102



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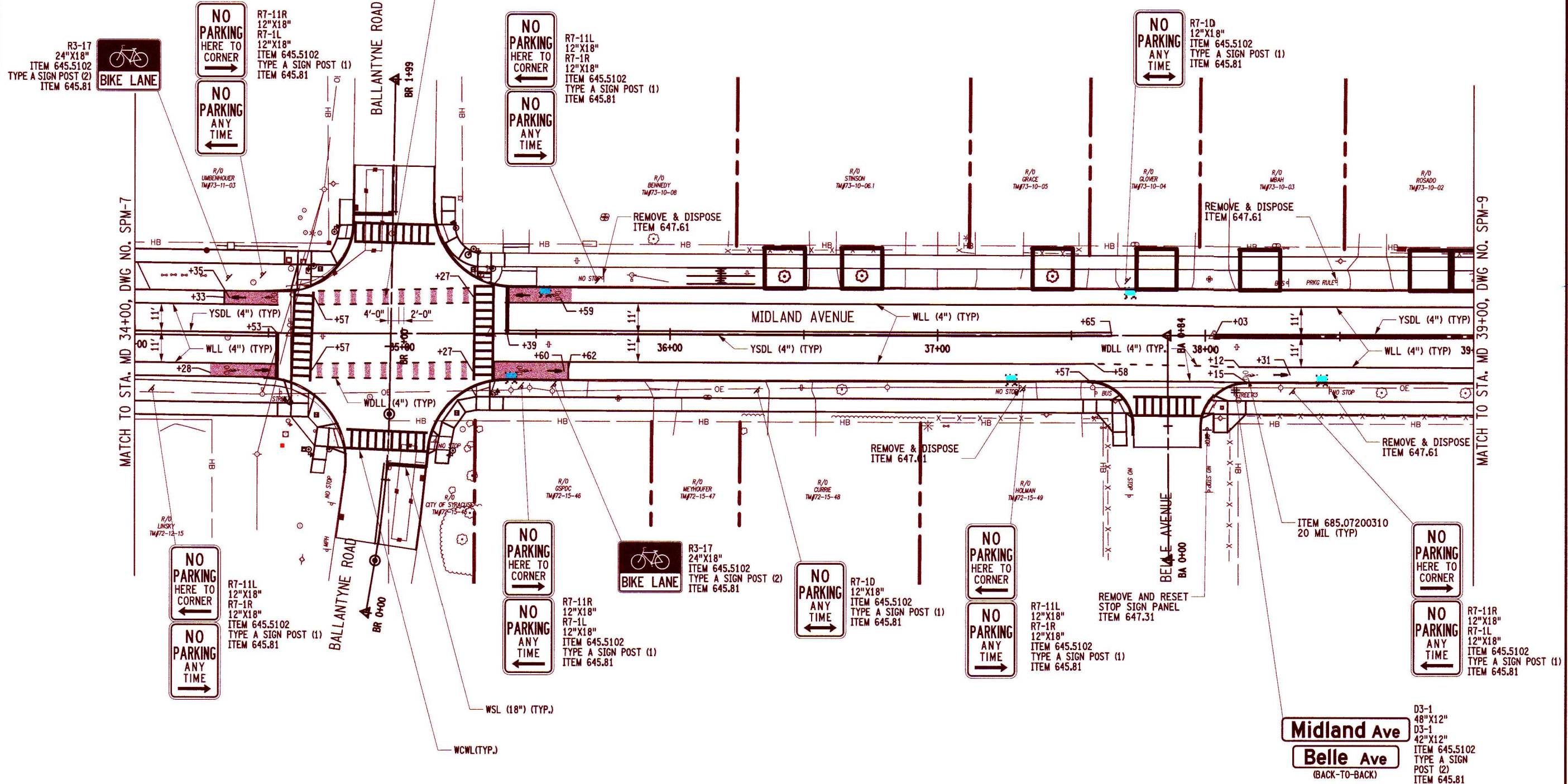
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FA PROJECT NO. 200204.00		PROJECT MANAGER P. WLODARCZYK		DRAWN BY T. DAVIS		ISSUE DATE 7/18/2025	
SCALE AS SHOWN							
PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY							
TITLE OF DRAWING SIGNING AND PAVEMENT MARKING PLAN							
DRAWING NO. <h1 style="margin: 0;">SPM-7</h1>							
SHEET 40 OF 60							

**LEGEND**

- WDLL WHITE DASHED LINE  
ITEM 685.1102
- YSDL YELLOW FULL BARRIER LINE  
ITEM 685.1202
- WSL WHITE STOP BAR  
ITEM 685.1102
- WLL WHITE SOLID LANE LINE  
ITEM 685.1102
- WCWL WHITE CROSSWALK, TYPE S  
ITEM 685.1102



METHYL METHACRYLATE COLOR SURFACE TREATMENT FOR PAVEMENTS (MMA-CST)-GREEN FOR BICYCLE  
ITEM 601.04030011



R3-17  
24"X18"  
ITEM 645.5102  
TYPE A SIGN POST (2)  
ITEM 645.81

NO PARKING  
HERE TO  
CORNER  
R7-11R  
12"X18"  
R7-1L  
12"X18"  
ITEM 645.5102  
TYPE A SIGN POST (1)  
ITEM 645.81

NO PARKING  
HERE TO  
CORNER  
R7-11L  
12"X18"  
R7-1R  
12"X18"  
ITEM 645.5102  
TYPE A SIGN POST (1)  
ITEM 645.81

NO PARKING  
ANY TIME  
R7-1D  
12"X18"  
ITEM 645.5102  
TYPE A SIGN POST (1)  
ITEM 645.81

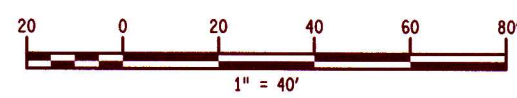
NO PARKING  
HERE TO  
CORNER  
R7-11R  
12"X18"  
R7-1L  
12"X18"  
ITEM 645.5102  
TYPE A SIGN POST (1)  
ITEM 645.81

NO PARKING  
ANY TIME  
R7-1D  
12"X18"  
ITEM 645.5102  
TYPE A SIGN POST (1)  
ITEM 645.81

NO PARKING  
HERE TO  
CORNER  
R7-11L  
12"X18"  
R7-1R  
12"X18"  
ITEM 645.5102  
TYPE A SIGN POST (1)  
ITEM 645.81

NO PARKING  
HERE TO  
CORNER  
R7-11R  
12"X18"  
R7-1L  
12"X18"  
ITEM 645.5102  
TYPE A SIGN POST (1)  
ITEM 645.81

Midland Ave  
Belle Ave  
(BACK-TO-BACK)  
D3-1  
48"X12"  
D3-1  
42"X12"  
ITEM 645.5102  
TYPE A SIGN  
POST (2)  
ITEM 645.81



REV	DESCRIPTION	DATE	BY
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1602(1)(3) requires that any contract  
for the design, construction, or  
management of a project involving  
public funds must be awarded to a  
qualified professional engineer or  
surveyor, to alter in any way,  
or to be used in any way,  
the design, construction, or  
management of a project involving  
public funds, without the consent  
of the State Education Board,  
and a specific description  
of the alteration.

PROJECT NO.  
200204.00  
PROJECT MANAGER  
P. WLODARCZYK  
DRAWN BY  
T. DAVIS  
SCALE  
AS SHOWN  
ISSUE DATE  
7/18/2025



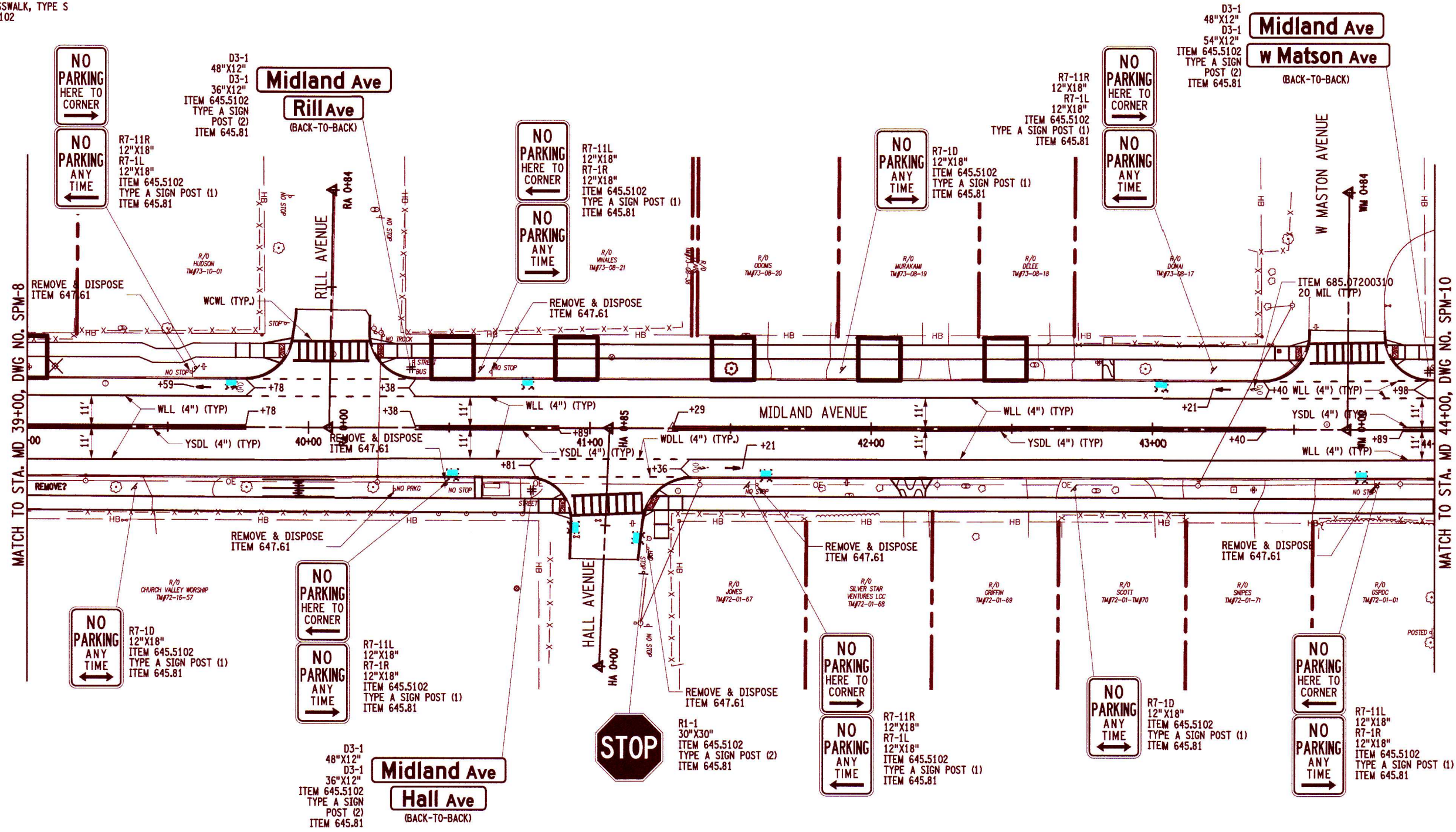
PROJECT  
MIDLAND AVENUE 2R PAVING PROJECT  
W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
CITY OF SYRACUSE  
ONONDAGA COUNTY

TITLE OF DRAWING  
SIGN AND PAVEMENT MARKING PLAN

DRAWING NO.  
**SPM-8**

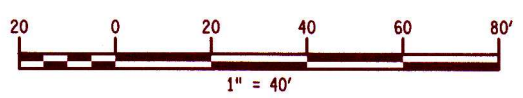
**LEGEND**

- WDLL WHITE DASHED LINE  
ITEM 685.1102
- YSDL YELLOW FULL BARRIER LINE  
ITEM 685.1202
- WSL WHITE STOP BAR  
ITEM 685.1102
- WLL WHITE SOLID LANE LINE  
ITEM 685.1102
- WCWL WHITE CROSSWALK, TYPE S  
ITEM 685.1102



MATCH TO STA. MD 39+00, DWG NO. SPM-8

MATCH TO STA. MD 44+00, DWG NO. SPM-10



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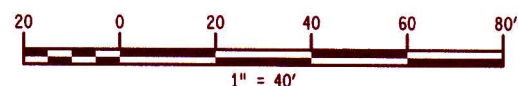
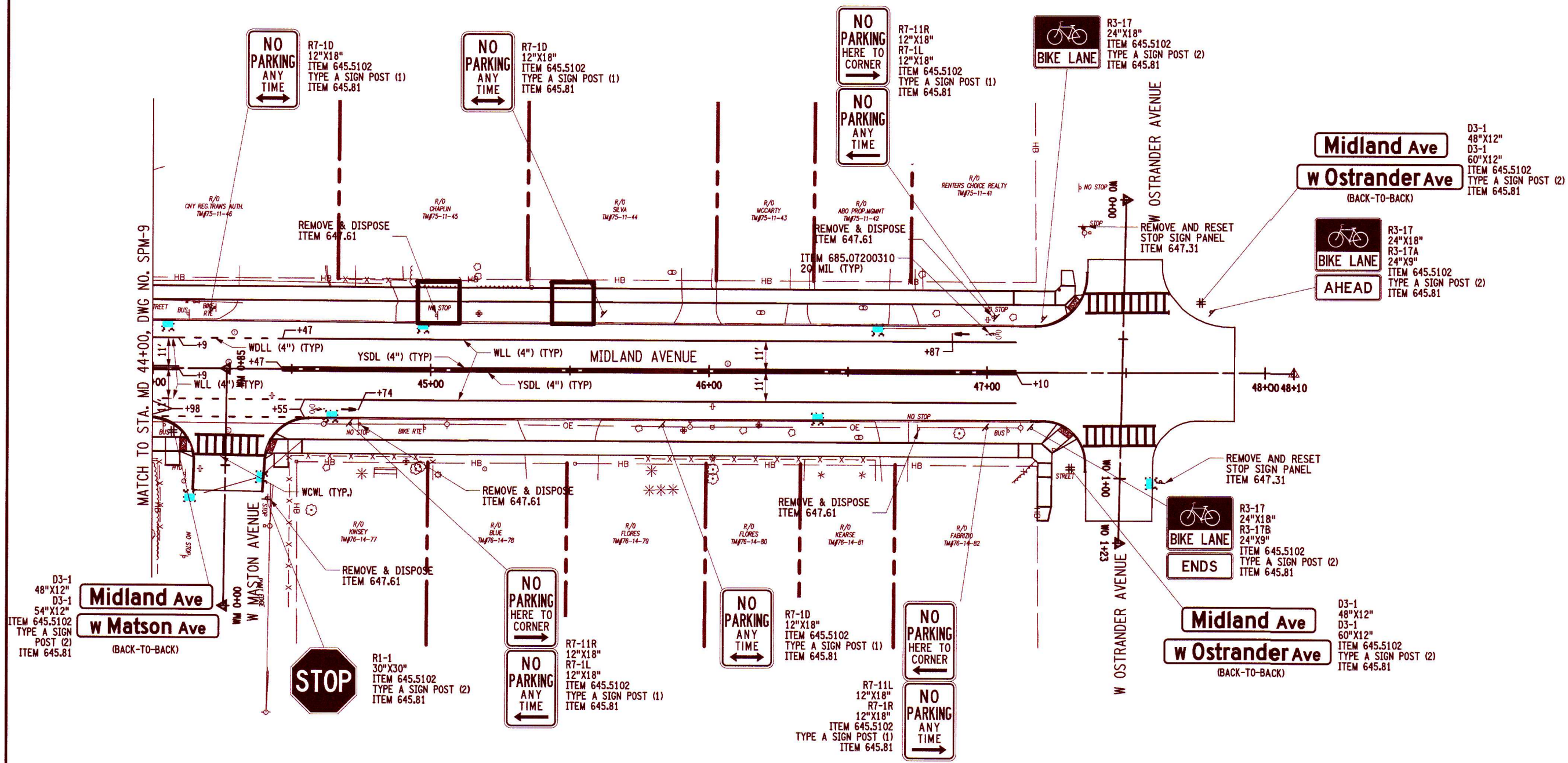
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TITLE OF DRAWING SIGNING AND PAVEMENT MARKING PLAN		
DRAWING NO. <b>SPM-9</b>		
SHEET 42 OF 60		

**LEGEND**

- WDLL WHITE DASHED LINE  
ITEM 685.1102
- YSDL YELLOW FULL BARRIER LINE  
ITEM 685.1202
- WSL WHITE STOP BAR  
ITEM 685.1102
- WLL WHITE SOLID LANE LINE  
ITEM 685.1102
- WCWL WHITE CROSSWALK, TYPE S  
ITEM 685.1102



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 or trade, to the same extent as if  
 the law specifically mentioned such  
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 of the profession, occupation, or  
 trade.

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 200204.00  
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 P. WLODARCZYK  
 DRAWN BY  
 T. DAVIS  
 SCALE  
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 ISSUE DATE  
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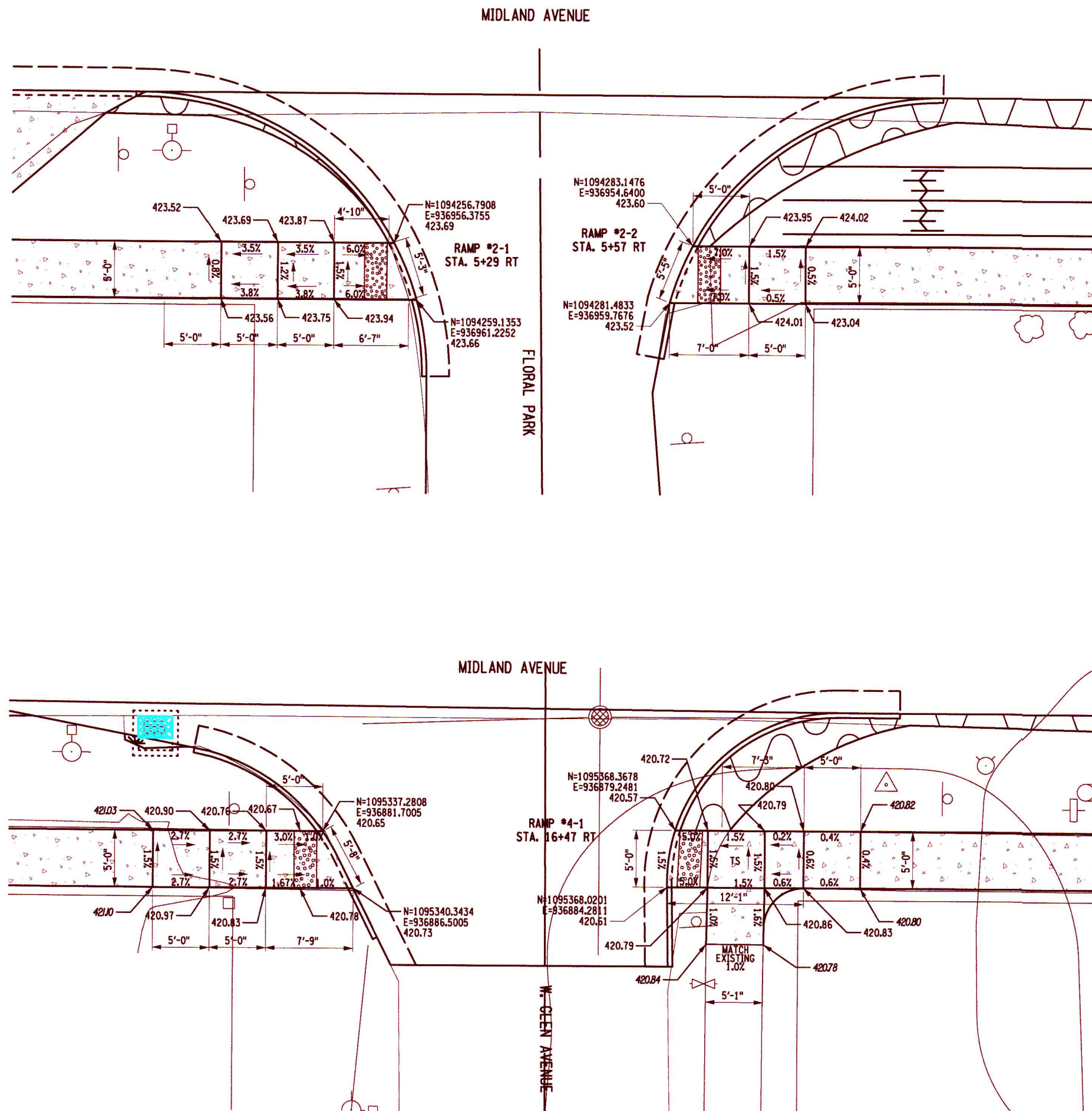
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 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY  
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 SIGNING AND PAVEMENT MARKING PLAN

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 CONCRETE SIDEWALK  
 ITEM 608.0101
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 CAST IRON EMBEDDED DETECTABLE WARNING UNITS  
 ITEM 608.21000003



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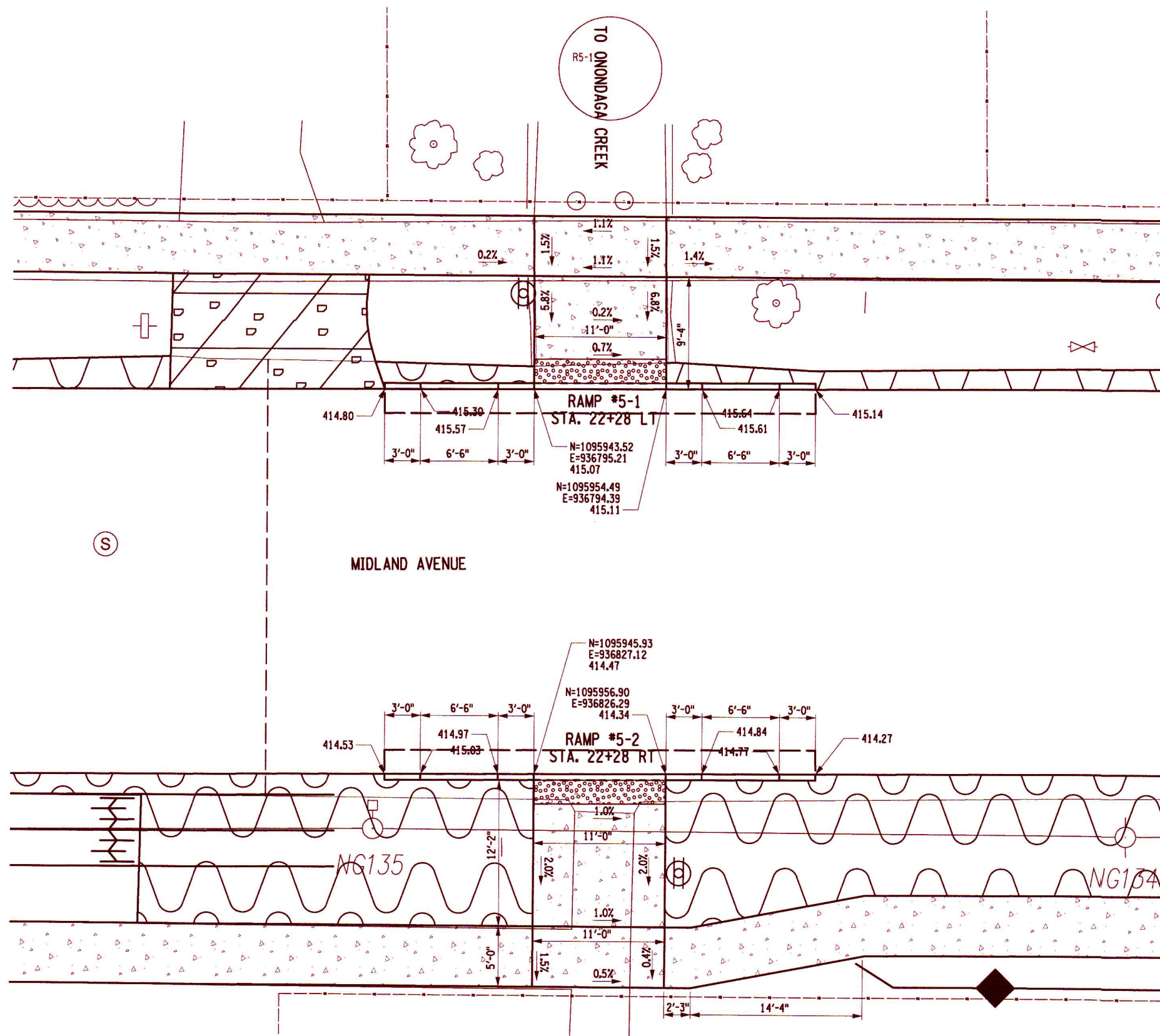
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 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY

TITLE OF DRAWING: RAMP DETAILS



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SHEET 44 OF 60

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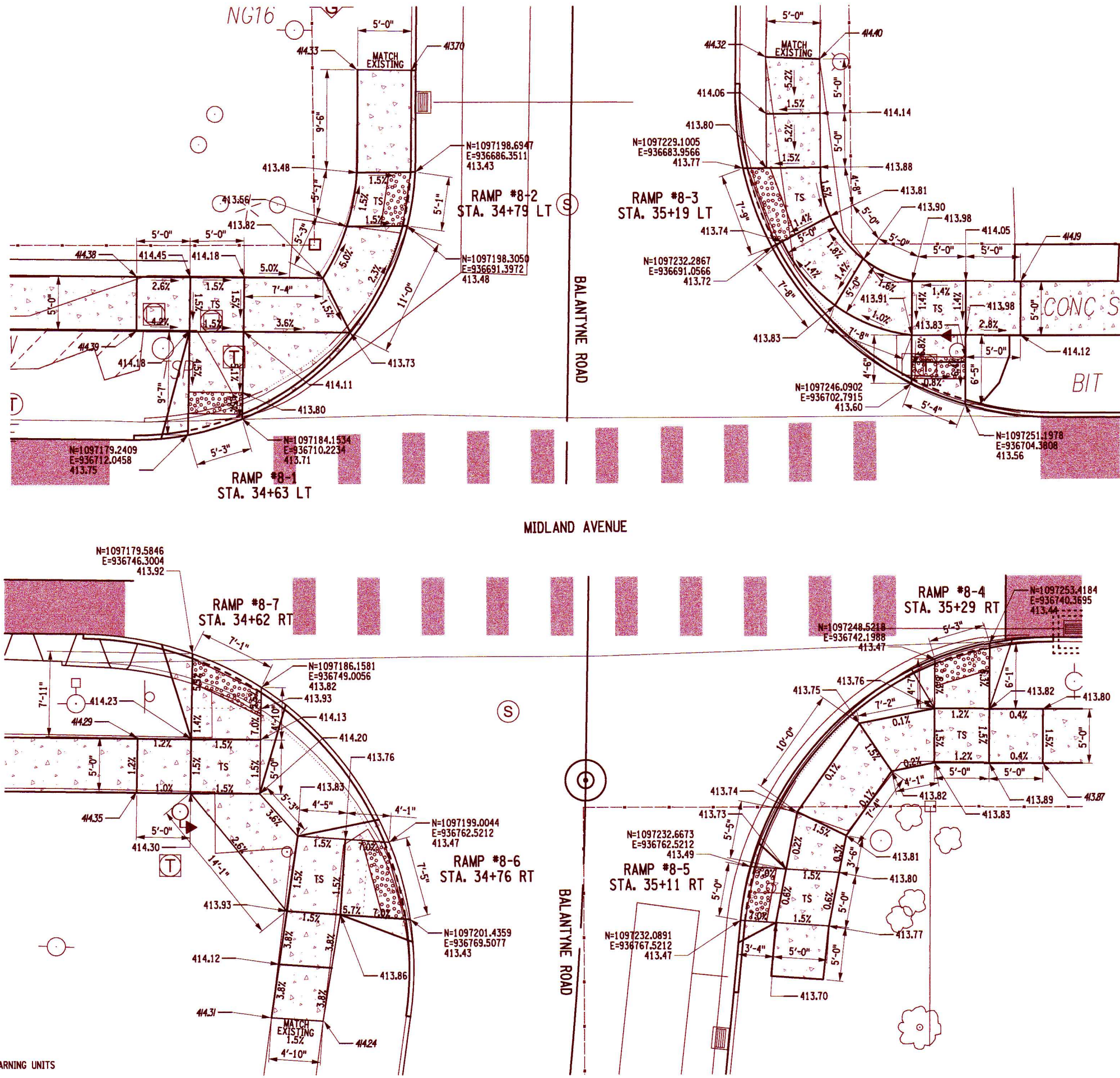


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

-  CONCRETE SIDEWALK  
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-  CAST IRON EMBEDDED DETECTABLE WARNING UNITS  
ITEM 608.2100003

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DRAWING NO. <b>ADA-02</b>			SHEET 45 OF 60		
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PROJECT  
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CITY OF SYRACUSE  
ONONDAGA COUNTY

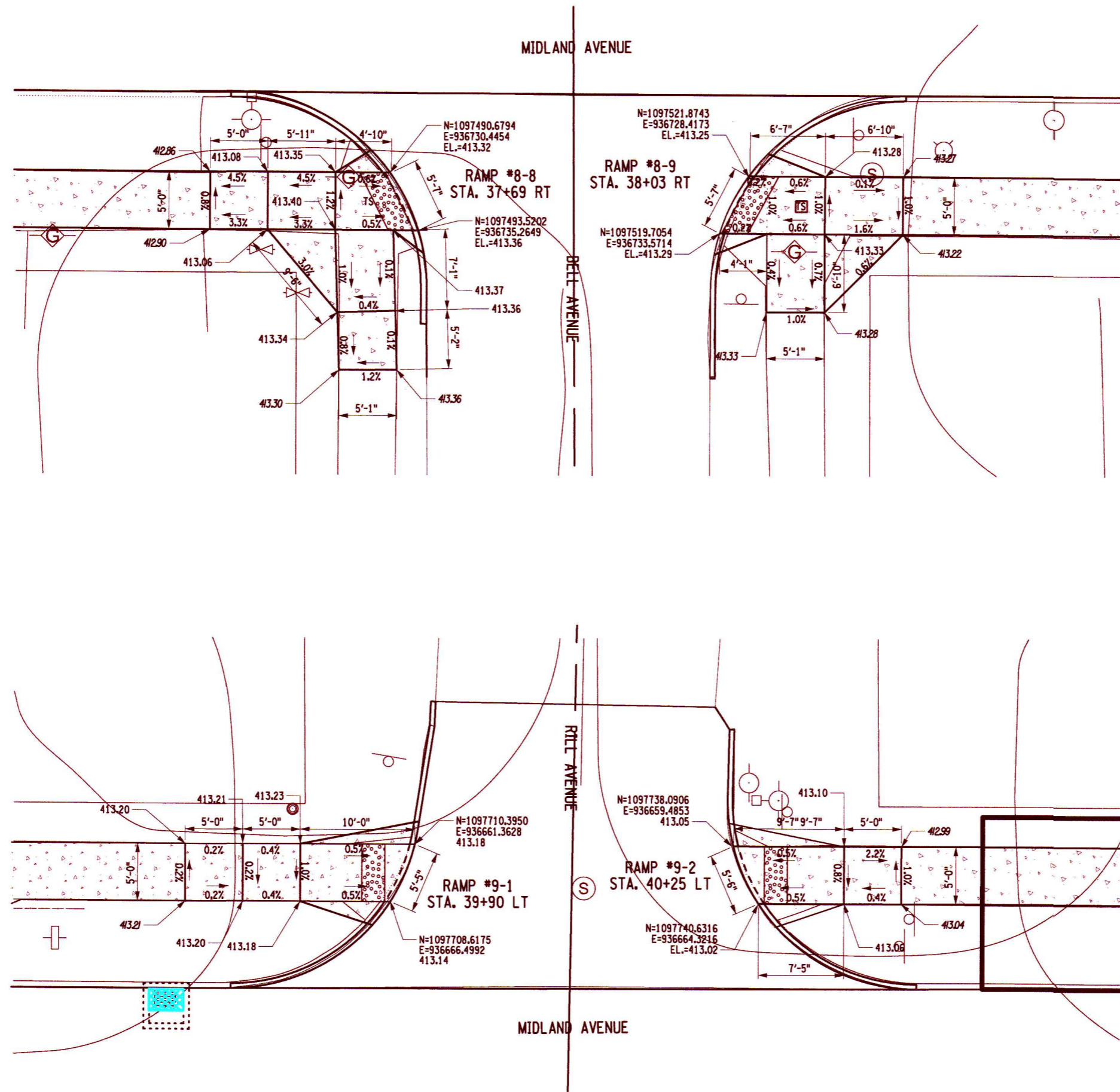
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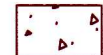


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TITLE OF DRAWING RAMP DETAILS							
DRAWING NO. <b>ADA-04</b>							
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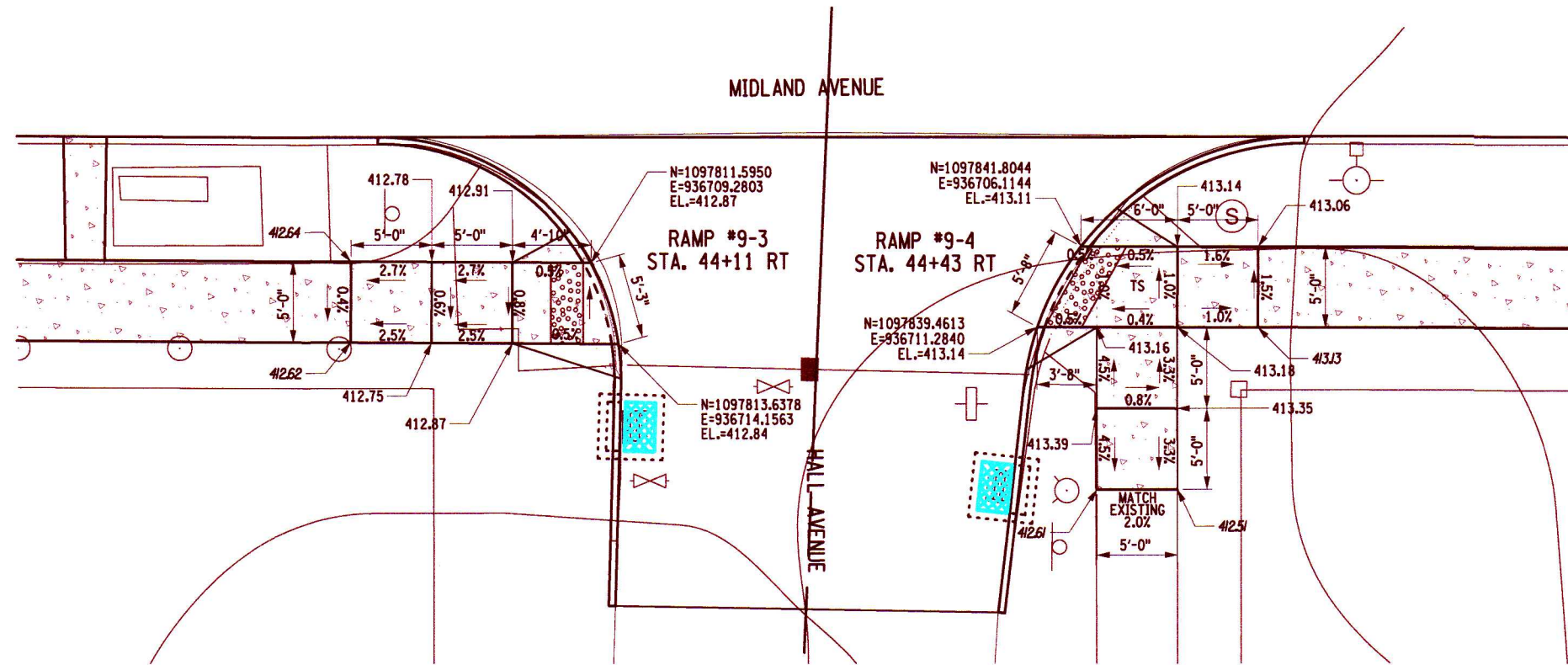
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CONCRETE SIDEWALK  
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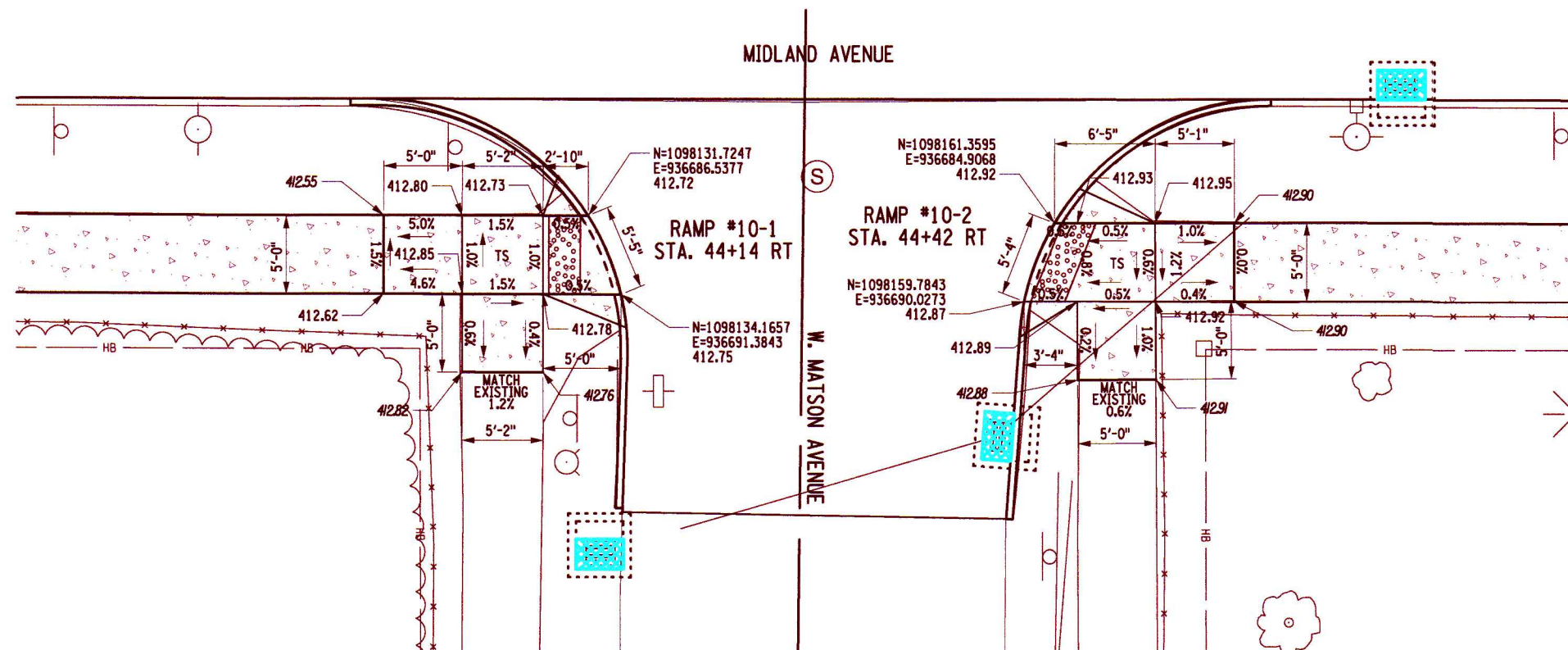
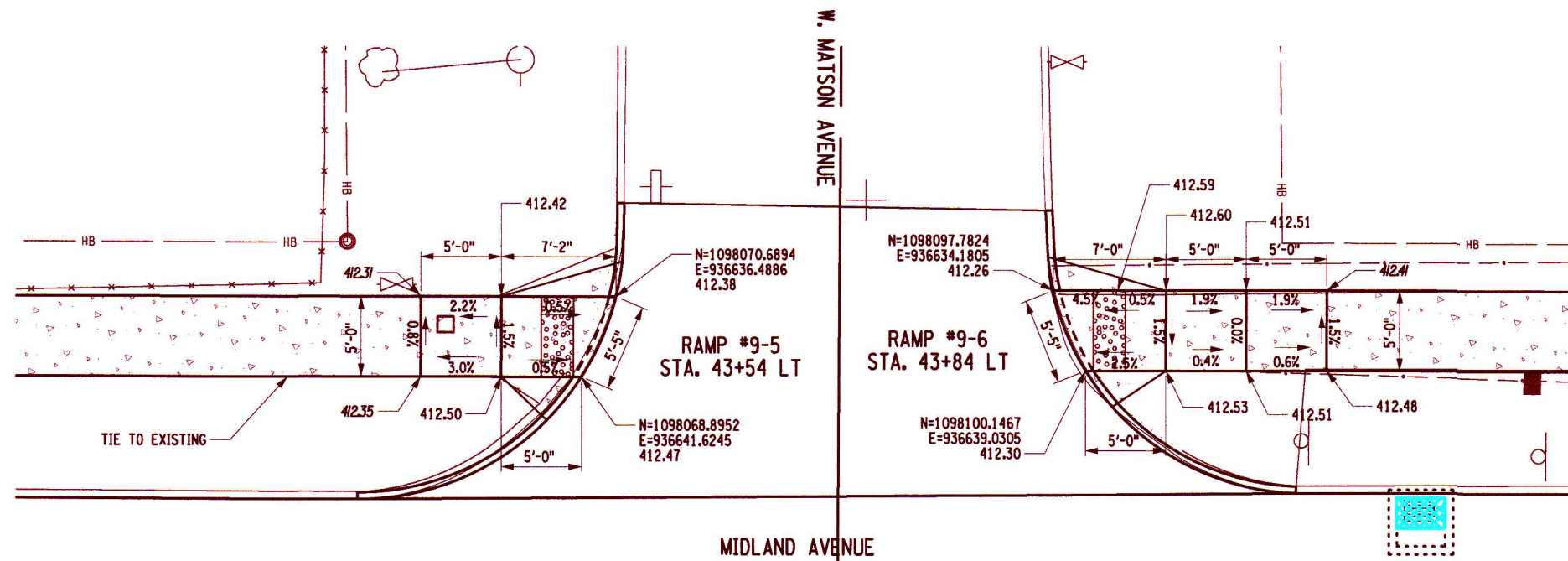


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-  CONCRETE SIDEWALK  
ITEM 608.0101
-  CAST IRON EMBEDDED DETECTABLE WARNING UNITS  
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PROJECT  
MIDLAND AVENUE 2R PAVING PROJECT  
W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
CITY OF SYRACUSE  
ONONDAGA COUNTY  
TITLE OF DRAWING  
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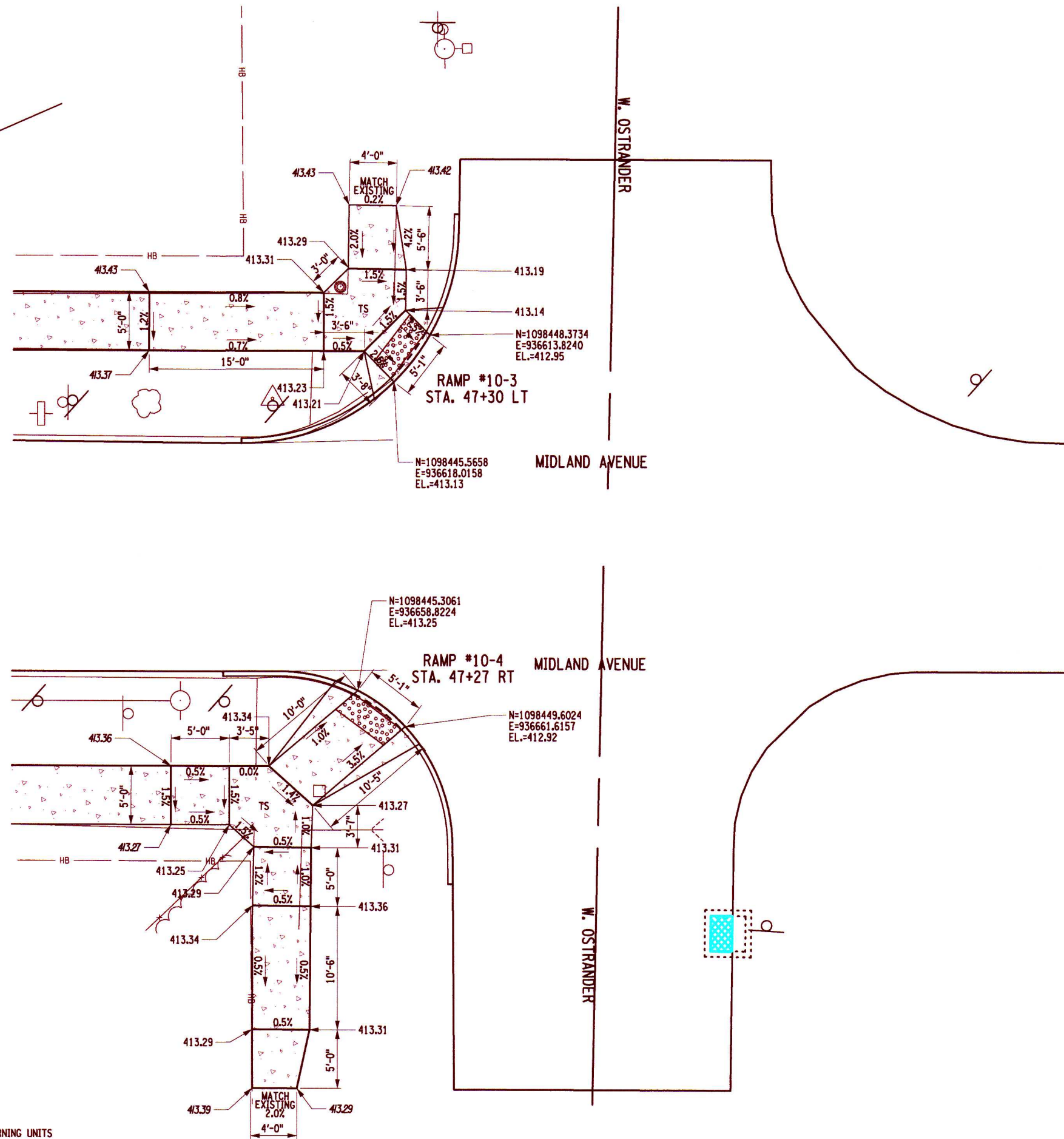
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 the accuracy of the information  
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PROJECT  
MIDLAND AVENUE 2R PAVING PROJECT  
W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
CITY OF SYRACUSE  
ONONDAGA COUNTY

TITLE OF DRAWING  
RAMP DETAILS

DRAWING NO.  
**ADA-07**

**GENERAL:**

1. THE CONTRACTOR SHALL INSTALL THE TRAFFIC SIGNAL IN ACCORDANCE WITH ALL APPLICABLE NEW YORK STATE CODES.
2. THE CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE NEW YORK BOARD OF FIRE UNDERWRITERS FOR SIGNAL INSTALLATIONS.
3. ALL EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION UNTIL ALL NEW TRAFFIC SIGNALS ARE OPERATIONAL. THE TRAFFIC SIGNAL MAINTENANCE ENGINEER (TSME) WILL ALLOW FOR REASONABLE SIGNAL SHUTDOWN PERIOD FOR EQUIPMENT RELOCATION AND INSTALLATION. THE TSME WILL BE SOLELY RESPONSIBLE FOR ESTABLISHING THE LENGTH AND ANY REQUIREMENTS FOR A SIGNAL SHUTDOWN PERIOD.  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL, MEETING ANY REQUIREMENTS MADE BY THE ENGINEER AND FOR COMPLETING THE WORK WITHIN THE LENGTH OF TIME GIVEN FOR ANY SHUTDOWN PERIOD.  
 THE ENGINEER WILL ASSESS ENGINEERING CHARGES AND/OR LIQUIDATED DAMAGES IN ACCORDANCE WITH SECTION 108-03 OF THE STANDARD SPECIFICATION FOR NONCONFORMANCE WITH ANY REQUIREMENT AND/OR FOR EXCEEDING THE DURATION OF THE SHUTDOWN PERIOD.
4. THE COST OF PRUNING TREES TO INSTALL TRAFFIC SIGNAL HARDWARE AND THE MINOR PRUNING OF TREES TO OBTAIN SIGHT DISTANCE FOR TRAFFIC SIGNAL DEVICES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR VARIOUS TRAFFIC SIGNAL ITEMS AND NO SEPARATE PAYMENT WILL BE MADE.  
 THE LIMITS FOR MINOR PRUNING OF TREES WILL BE DETERMINED SOLELY BY THE ENGINEER AND IS INTENDED FOR THE PRUNING OF BRANCHES APPROXIMATELY SIX (6) INCHES IN DIAMETER OR LESS. ALL PRUNING SHALL BE DONE AS DIRECTED BY THE ENGINEER AND IN A MANNER CONSISTENT WITH GOOD HORTICULTURAL PRACTICE.
5. THE CONTRACTOR SHALL COORDINATE ALL ROADWAY WIDENING, AND PAVEMENT MARKING LANE LAYOUT AND APPLICATION WITH THE COMPLETION OF ALL TRAFFIC SIGNAL WORK FOR THE PROPER ALIGNMENT OF THE TRAFFIC SIGNAL HEADS AND LOCATION OF THE VEHICLE DETECTION INDUCTANCE LOOPS IF IMPLEMENTED.
6. RECORD PLAN DATA HAS BEEN USED IN PREPARATION OF THE TRAFFIC SIGNAL PLANS. THE CONTRACTOR SHALL FIELD VERIFY ANY INFORMATION SHOWN ON THE PLANS WITH ACTUAL FIELD CONDITIONS.
7. GUY WIRE ASSEMBLIES AND NON-SPAN WIRE SIGNAL CABLES TO BE REMOVED AS PART OF A POLE REMOVAL ITEM SHALL BE INCLUDED IN THE BID PRICE FOR THE POLE REMOVAL. THE CONTRACTOR SHALL REMOVE ANY OVERHEAD CABLES ATTACHED TO THE POLES, AND ANY SIGNS NOT BEING SALVAGED SHALL BE REMOVED FROM THE POLES, AND THE COSTS SHALL BE INCLUDED IN THE POLE REMOVAL ITEM.
8. THE APPLICATION OF PAVEMENT MARKINGS SHALL BE COORDINATED WITH THE COMPLETION OF THE SIGNAL WORK AT EACH LOCATION WHERE PERMANENT PAVEMENT MARKINGS ARE TO BE APPLIED.

**FOUNDATION:**

1. TRAFFIC SIGNAL FOUNDATIONS SHALL BEAR ON UNDISTURBED GROUND, SOIL COMPACTED IN ACCORDANCE WITH SECTION 203 OF THE STANDARD SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.
2. CLARIFICATION OF STANDARD SHEET 680-01 - TRAFFIC SIGNAL POLE FOUNDATIONS SHALL MEET THE REQUIREMENTS OF SECTION 555 OF THE STANDARD SPECIFICATIONS AND BE PLACED AS A MONOLITHIC POUR.
3. TEST PITS SHOULD BE PERFORMED BY THE CONTRACTOR AT EACH PROPOSED MAST ARM FOUNDATION LOCATION PRIOR TO SUBMITTAL OF SHOP DRAWINGS FOR SIGNAL POLES. ITEM 206.05 - TEST PIT EXCAVATION.

**ANCHOR BOLTS:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER ORIENTATION OF THE ANCHOR BOLTS FOR TRAFFIC SIGNAL POLE, PRIOR TO CONCRETE PLACEMENT. THE CONTRACTOR SHALL ORIENTATE ALL ANCHOR BOLTS USING A MATHEMATICAL METHOD OR BY SURVEYING. ALIGNMENT BY EYE SHALL NOT BE PERMITTED.

**CABLES AND WIRING:**

1. THE CONTRACTOR SHALL IDENTIFY EVERY CABLE ENTERING ANY TRAFFIC CONTROL DEVICES; (CONTROLLER CABINET, PULLBOX AND POLES) BY FUNCTION AND DESTINATION ON A TAG ATTACHED TO THE CABLE WITH EITHER A STAINLESS STEEL WIRE OR A PLASTIC OR NYLON LINE.

**SALVAGE OF TRAFFIC SIGNAL EQUIPMENT:**

1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER TEN (10) WORKING DAYS IN ADVANCE FOR REMOVAL OF ANY TRAFFIC SIGNAL EQUIPMENT. THE ENGINEER SHALL PROVIDE A LIST OF TRAFFIC SIGNAL EQUIPMENT TO BE SALVAGED FOR EACH LOCATION.
2. ITEMS TO BE SALVAGED SHALL INCLUDE, BUT ARE NOT LIMITED TO: SIGNAL POLES, CONTROLLERS, SIGNAL HEADS AND BRACKETS, SIGNAL BACK PLATES, SIGNAL DISCONNECTS, OVERHEAD SIGNS, PEDESTRIAN HEADS AND BRACKETS, PEDESTRIAN PUSHBUTTONS, AND TRAFFIC SIGNAL MANHOLE FRAMES AND COVERS.
3. THE ENGINEER WILL ASSESS ENGINEERING CHARGES FOR ANY TRAFFIC SIGNAL EQUIPMENT TO BE SALVAGED WHICH IS DAMAGED DUE TO CARELESSNESS BY THE CONTRACTOR.
4. THE CONTRACTOR SHALL RETURN ALL TRAFFIC SIGNAL EQUIPMENT THAT IS REMOVED TO THE CITY OF SYRACUSE.

**OPTICOM PRE-EMPTION SYSTEM**

1. PLACEMENT OF THE PREEMPT SYSTEM OPTICAL DETECTORS SHALL BE DETERMINED IN THE PRESENCE OF THE ENGINEER AND THE FIRE DEPARTMENT REPRESENTATIVE. ALL OPTICOM WORK MUST BE COORDINATED WITH THE FIRE DEPARTMENT REPRESENTATIVE.
2. ITEM 680.560300 OD - EMERGENCY PRE-EMPTION SYSTEM - PHASE SELECTOR. THE SPECIFIC COMPONENTS USED SHALL BE AS FOLLOWS:  
 MIDLAND & BALLANTYNE: TWO 722 RECEIVERS AND TWO 762 TWO-CHANNEL CARDS.

**MAINTENANCE OF NEW OR EXISTING TRAFFIC SIGNALS:**

1. THE CONTRACTOR SHALL NOTIFY THE CITY OF SYRACUSE THREE WORKING DAYS PRIOR TO ASSUMING MAINTENANCE, STARTING WORK IN THE AREA, OR DISTURBING CONDUIT OR LOOPS.
2. TRAFFIC SIGNAL CONTROLLER PROGRAMMING CHANGES SHALL ONLY BE PERFORMED BY SIGNAL MAINTENANCE PERSONNEL DESIGNATED BY THE CITY OF SYRACUSE.
3. THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE EIC AND SIGNAL MAINTENANCE ENGINEER PRIOR TO ENTERING ANY EXISTING TRAFFIC SIGNAL CONTROLLER CABINET, PERFORMING ANY WORK ON AN EXISTING TRAFFIC SIGNAL, OR ENERGIZING ANY NEW TRAFFIC SIGNAL INSTALLATION.
4. PEDESTRIAN TRAFFIC SIGNAL DISPLAYS CONTROLLING CLOSED CROSSWALKS SHALL BE COVERED OR REMOVED.
5. THE CONTRACTOR SHALL NOTIFY THE CITY OF SYRACUSE PRIOR TO TAKING THE EXISTING SIGNALS OUT OF SERVICE.

**SIGNAL HEADS:**

1. THE CONTRACTOR SHALL NOT USE ANY ALUMINUM SUSPENSION COMPONENTS LISTED IN SECTION 724-04 TRAFFIC SIGNAL HEADS; MATERIAL REQUIREMENTS, ITEM B OF THE STANDARD SPECIFICATIONS.
2. ALUMINUM SUSPENSION SIGNAL HARDWARE COMPONENTS SHALL NOT BE USED.
3. CONTRACTOR SHALL CONSTRUCT EACH TRAFFIC SIGNAL HEAD ASSEMBLY WITH APPROPRIATE PIPING SUCH THAT ALL ASSEMBLIES ARE BALANCED AND HANG VERTICALLY.
4. ITEM 680.81990003, "TRAFFIC SIGNAL HEAD BACK PLATES W/YELLOW REFLECTIVE TAPE", SHALL BE A NON-LOUVERED, 5" BORDER HAVING A FLAT BLACK FINISH WITH 3" YELLOW REFLECTIVE TAPE.

**CONDUIT:**

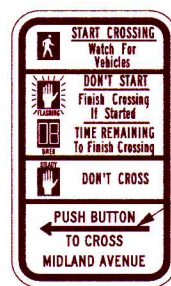
1. TRAFFIC SIGNAL CONDUIT EXCAVATION AND INSTALLATION OF TRAFFIC SIGNAL CONDUIT SHALL BE CONDUCTED PRIOR TO PAVING OF ROADWAY AND/OR INSTALLATION OF NEW SIDEWALK.
2. ALL BENDS IN CONDUIT SHALL BE A SWEEPING RADIUS AND MADE WITHOUT KINKING, FLATTENING OR APPRECIABLY REDUCING THE INTERNAL DIAMETER OF THE CONDUIT.

**ITEM 680.7900XX05 - REMOVE TRAFFIC SIGNAL INSTALLATION**

1. INCLUDED IN ITEM 680.7900XX05 - AS DESIGNATED ON THE TSP PLAN FOR EACH INDIVIDUAL INTERSECTION.
2. ALSO INCLUDED IS THE ABANDONING OF THE PREVIOUSLY INSTALLED AND UNUSED CONDUIT BY CAPPING THE ABANDONED CONDUIT ENDS.
3. EXISTING TRAFFIC SIGNAL PULLBOXES SHALL NOT BE INCLUDED IN REMOVE TRAFFIC SIGNAL INSTALLATION. EXISTING SIGNAL PULLBOXES SHALL BE REMOVED SEPARATELY UNDER ITEM 680.79490010.
4. REMOVAL OF EXISTING SIGNAL EQUIPMENT SHALL NOT BEGIN UNTIL THE NEW SIGNAL HAS BEEN PLACED INTO OPERATION AND VERIFIED BY THE ENGINEER, UNLESS PRIOR PERMISSION HAS BEEN GIVEN BY THE ENGINEER.

**PEDESTRIAN PUSHBUTTON SIGNS:**

1. USE SIGN R10-31 (MUTCD) SIZE OF SIGN SHALL BE 9" X 15". INCLUDE TEXT AND PROPER DIRECTIONAL ARROWS.
2. ALL TEXT SHALL BE PRINTED BY MANUFACTURER. SIGN PANELS SHALL BE ALUMINUM.
3. THE PEDESTRIAN COUNT-DOWN TIMER MODULE SHALL BE INSTALLED BENEATH THE PEDESTRIAN SIGNAL MODULE (BI-MODAL AND HAND/MAN)



R10-31

ARROW MAY FACE LEFT OR RIGHT, IT IS THE CONTRACTOR'S RESPONSIBILITY FOR PROPER ARROW ORIENTATION.

**AUDIBLE WIRING:**

1. THE MANUFACTURER'S SUGGESTED CABLES (OR EQUIVALENTS) SHALL BE USED WITH AUDIBLE PEDESTRIAN SIGNAL (APS) UNITS. THE QUANTITY OF CABLE REQUIRED AT THIS LOCATION SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APS MANUFACTURER'S INSTALLATION DETAILS AND PROCEDURES.
2. REFER TO THE MANUFACTURER'S INSTALLATION AND PROCEDURE MANUALS FOR DETAILS.
3. THE COST TO FURNISH AND INSTALL ALL WIRING BETWEEN THE AUDIBLE PEDESTRIAN SIGNAL (APS) UNITS FOR ITEM 680.8151 AND THEIR RESPECTIVE CONTROL UNITS MOUNTED IN THE PED. HEADS SHALL BE INCLUDED UNDER PROVISIONS OF ITEM 680.8151.

**APS:**

1. CONTRACTOR SHALL ORDER APS BUTTONS FROM MANUFACTURER WITH STREET NAME MESSAGES PRE-INSTALLED. CONTRACTOR SHALL PROVIDE COPIES OF THE ASSOCIATED ELECTRONIC "WAVE" FILES TO CITY OF SYRACUSE.

**ITEM 662.60010004 - FURNISHING ELECTRICAL SERVICE**

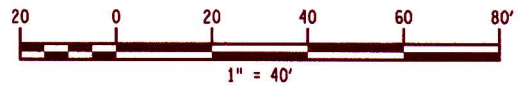
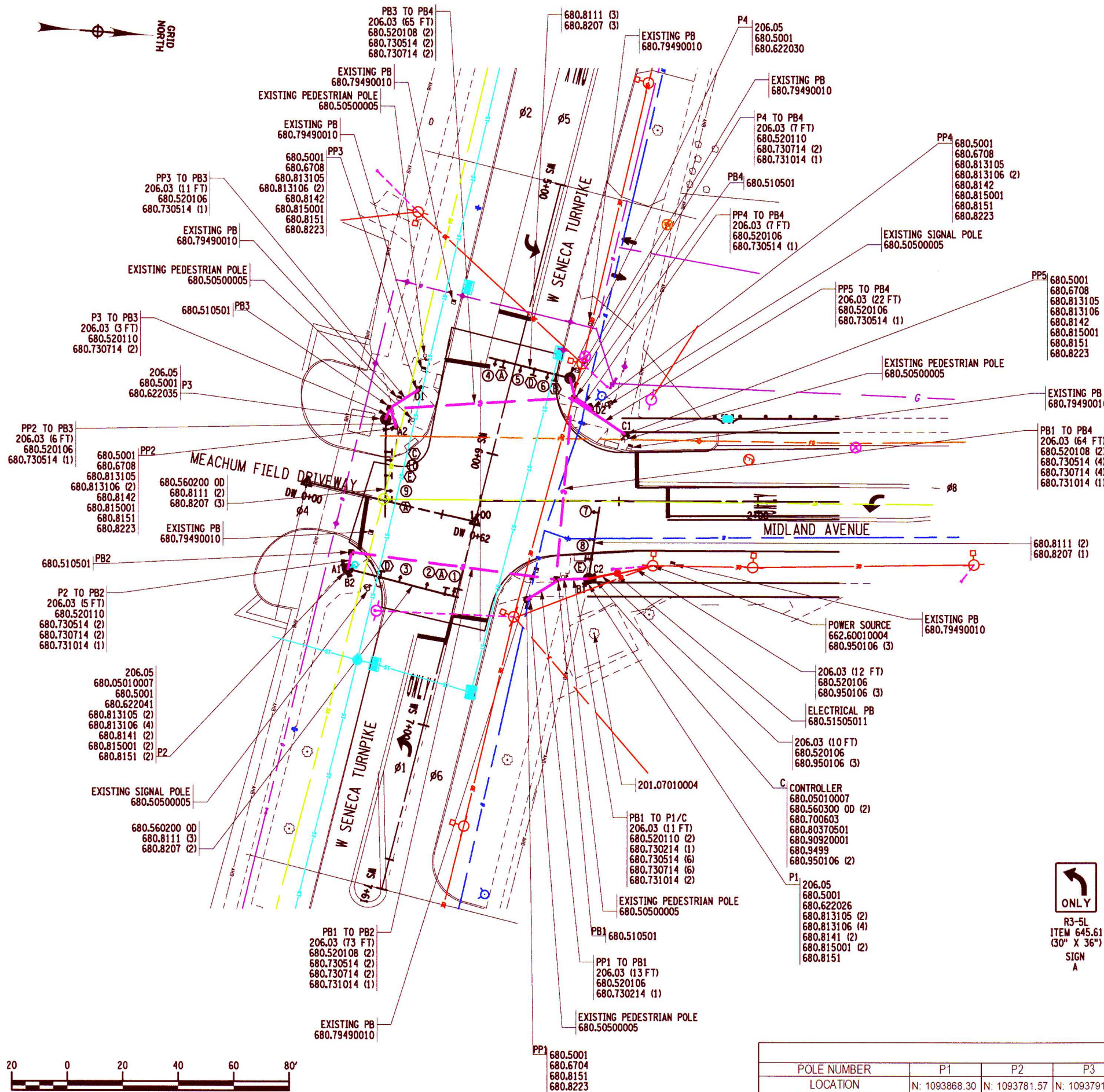
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND CONFIRMING THE POWER POINT LOCATION WITH THE UTILITY COMPANY FOR HAVING THE UTILITY SUPPLY AND HOOK UP OF THE METER.
2. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY DESIRED CHANGE TO THE POWER POINT LOCATION. THE TRAFFIC SIGNAL MAINTENANCE ENGINEER WILL BE SOLELY RESPONSIBLE FOR APPROVING CHANGES TO THE POWER POINT LOCATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF ANY RISER, CONDUIT AND CONTINUOUS WIRING FROM THE METER PAN TO THE LOCATION WHERE THE UTILITY COMPANY INTENDS TO PROVIDE ELECTRICAL SERVICE FROM.
4. THE REQUIREMENTS FOR ELECTRICAL SERVICE MAY VARY FOR EACH UTILITY COMPANY. A TYPICAL ELECTRICAL SERVICE CONNECTION HAS BEEN PROVIDED FOR USE.
5. THE CONTRACTOR SHALL FURNISH ELECTRICAL SERVICE IN ACCORDANCE WITH ALL APPLICABLE NEW YORK STATE AND UTILITY COMPANY CODES AND REQUIREMENTS.
6. THE CONTRACTOR SHALL PROVIDE ALL TRENCHING, RESTORATION REQUIRED, CONDUIT, AND WIRING ON THE LINE SIDE FROM THE METER TO THE POWER POINT. THE ENGINEER WILL MAKE PAYMENT FOR THIS WORK USING THE ITEMS INCLUDED IN THE CONTRACT.
7. FOR ANY WORK REQUIRED BY THE UTILITY ON THE LINE SIDE THAT IS NOT PAYABLE USING ITEMS INCLUDED IN THE CONTRACT, THE ENGINEER WILL ALLOW THE CONTRACTOR TO SUBMIT AN INVOICE SHOWING THE COST FOR THIS WORK COMPLETED.  
 IN ACCORDANCE WITH ITEM 662.60010004 - FURNISH ELECTRICAL SERVICE, ALL APPROVED INVOICES WILL BE PAID FOR BY THE ENGINEER USING THIS ITEM.

**RRFB NOTES**

1. SIGN NUMBERS SHOWN TO REFER TO THE 11TH EDITION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND NYS SUPPLEMENT.
2. ALL NECESSARY HOLES IN THE SIGNAL POLE BELOW THE LOAD ATTACHMENT POINT AND GREATER THAN 1/8" IN DIAMETER SHALL BE MADE BY THE MANUFACTURER AND REINFORCED ACCORDING TO FABRICATION DETAILS AND CONTRACT DOCUMENTS.
3. ALL COUPLINGS AND BUSHINGS SHALL BE MECHANICALLY THREADED. COMPRESSION OR SLIP TYPE COUPLINGS OR BUSHINGS SHALL NOT BE ALLOWED.
4. UNLESS OTHERWISE NOTED ON THE PLANS, ALL RRFBs SHALL HAVE A MINIMUM OF 2 NPS DIAMETER CONDUIT SWEEP.
5. THE CONTRACTOR SHALL SPOT LOCATE ALL POLL LOCATIONS. THE EIC SHALL APPROVE ALL LOCATIONS BEFORE CONSTRUCTION OF THE POLE FOUNDATIONS BEGIN.
6. AT LOCATIONS WHERE RRFBs ARE BEING INSTALLED WITH IN THE SIDEWALK THE TOP OF THE FOUNDATIONS SHALL BE FLUSH WITH THE SIDEWALK.
7. CONCRETE SLUMP AND AIR TEST AND THREE (3) CONCRETE CYLINDERS SHALL BE TAKEN FROM EACH RRFB FOUNDATION. COST INCLUDED IN ITEM 680.5001 "POLE EXCAVATION AND CONCRETE FOUNDATION".
8. ALL PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED PARALLEL WITH THE APPROPRIATE CROSSWALK.
9. THE CONTRACTOR SHALL INSTALL FURNISHED ANCHOR BOLT COVERS FOR ANY RRFB WHERE PEDESTRIAN TRAFFIC MAY EXIST.
10. ALL SIGNAL EQUIPMENT SHALL BE PLACED IN THE LOCATION THAT COMPLIES WITH THE NYS HIGH VOLTAGE PROXIMITY ACT. THIS INCLUDES, BUT IS NOT LIMITED TO, KEEPING ALL SIGNAL EQUIPMENT A MINIMUM OF 10 FT. FROM PRIMARY LINES, AND 2 FT. FROM SECONDARY AND ALL OTHER LINES. SEE STANDARD SHEET 680-16 FOR ADDITIONAL DETAILS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL RESPECTIVE UTILITY OWNERS DURING CONSTRUCTION.
12. THE CONTRACTOR IS CAUTIONED THAT THE LOCATIONS OF UTILITIES SHOWN ON THE CONTRACT PLANS ARE NOT GUARANTEED, NOR IS THERE ANY GUARANTEE THAT ALL UTILITIES WITH IN THE CONTRACT LIMITS HAVE BEEN SHOWN ON THE PLANS. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO SATISFY THEMSELVES AS TO THE EXACT UTILITY LOCATIONS, AND AT THEIR OWN EXPENSE, TO PROTECT AN SUPPORT ALL UTILITIES ENCOUNTERED IN THEIR EXCAVATING AND TRENCHING OPERATIONS. CONTRACTOR SHALL NOTIFY DIG SAFELY NEW YORK AT 811 IN ACCORDANCE WITH 16 NYCRR 753.
13. THE CONTRACTOR SHALL COORDINATE AND REQUEST PERMISSION FROM THE CITY OF SYRACUSE PRIOR TO THE START OF WORK.
14. RRFB IS TO BE BAGGED AND REMAIN DARK UNTIL IT IS READY FOR OPERATION.

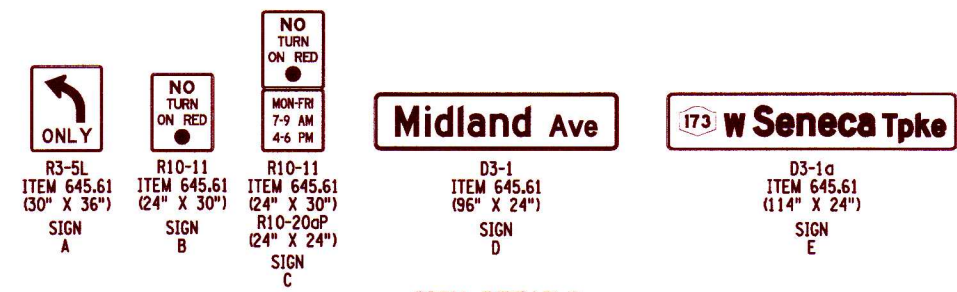
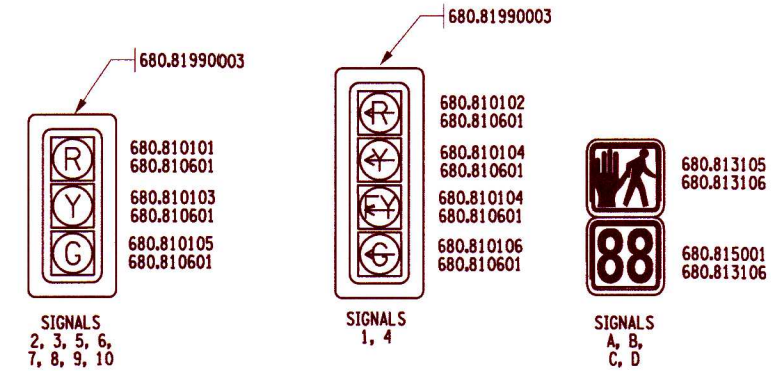
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FA PROJECT NO. 200204.00 PROJECT MANAGER P. WLODARCZYK DRAWN BY H. LAGOE SCALE AS SHOWN ISSUE DATE 7/18/2025										
<b>FISHER ASSOCIATES</b> WWW.FISHERASSOC.COM										
PROJECT MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY TITLE OF DRAWING TRAFFIC SIGNAL NOTES										
DRAWING NO. <b>TSN-01</b> SHEET 51 OF 60										



**NOTES:**

1. ITEM 680.79000105 - REMOVE TRAFFIC SIGNAL EQUIPMENT, SHALL INCLUDE: REMOVING EXISTING TRAFFIC SIGNAL EQUIPMENT, INCLUDING SIGNAL POLES, PED POLES, SPAN WIRE, SIGNAL HEADS, CONTROLLER CABINET, AND SIGNAL WIRES.
2. EXISTING PULLBOXES SHALL BE REMOVED IN ACCORDANCE WITH AND PAID UNDER ITEM 680.79490010.
3. NEW PEDESTRIAN POLES SUPPLIED UNDER 680.6708 SHALL BE ALUMINUM AND INCLUDE A BREAKAWAY TRANSFORMER BASE PAID UNDER 680.8223.
4. PEDESTRIAN SIGNAL HEADS SHALL BE INSTALLED ON THE TOP OF POLES TO PROVIDE CLEARANCE FOR TURNING TRAFFIC EXCEPT FOR P1 AND P2 WHICH SHALL HAVE BRACKET MOUNTED PEDESTRIAN SIGNAL HEADS.
5. CROSSWALKS ARE NOT SHOWN FOR CLARITY.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE FINAL GROUND AND PAVEMENT ELEVATIONS AND VERIFY THAT THE CLEARANCE FROM THE PAVEMENT AT ITS HIGHEST POINT UNDER THE MAST ARM TO THE BOTTOM OF THE SIGNAL HEAD IS A MINIMUM OF 17'-0" PRIOR TO ORDERING THE POLES.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, IN CONJUNCTION WITH THE POLE MANUFACTURER, TO DETERMINE THE ULTIMATE POLE STRENGTH AND FOOTING MOMENT FOR THE POLE'S DESIGN LOADING. THE FOOTING MOMENT FOR THE POLE'S ULTIMATE DESIGN LOADING SHALL BE VERIFIED TO SELECT THE FOOTING CODE, AS SPECIFIED ON STANDARD SHEET 680-01.
8. MAST ARMS & FOUNDATIONS TO BE DESIGNED FOR POSSIBLE FUTURE LOADING NEEDS. THE POLE MANUFACTURER AND CONTRACTOR SHALL BE RESPONSIBLE TO DESIGN THE SIGNAL POLE AND MAST ARM TO MEET THESE FUTURE NEEDS.
9. FUTURE POSSIBLE LOADING TO INCLUDE TWO ADDITIONAL SIGNS FOR DESIGN PURPOSES, THE LARGER FUTURE SIGN (12 SF) SHALL BE PLACED ON THE END OF THE MAST ARM, THE SMALLER FUTURE SIGN (7.5 SF) SHALL BE PLACED MID-SPAN ON THE MAST ARM.
10. FUTURE POSSIBLE LOADING TO INCLUDE A 4 SECTION SIGNAL OVER ANY LEFT ONLY LANES THAT DO NOT ALREADY HAVE A 4 SECTION SIGNAL IN THE CURRENT PLANS.
11. SEE TSP-02 THRU TSP-04 FOR ADDITIONAL SIGNAL INFORMATION, TABLES, AND QUANTITIES.



POLE TABLE									
POLE NUMBER	P1	P2	P3	P4	PP1	PP2	PP3	PP4	PP5
LOCATION (COORDINATES)	N: 1093868.30 E: 0936981.77	N: 1093781.57 E: 0936984.49	N: 1093791.31 E: 0936929.76	N: 1093856.47 E: 0936910.36	N: 1093846.65 E: 0936990.83	N: 1093795.19 E: 0936932.37	N: 1093802.30 E: 0936918.39	N: 1093864.90 E: 0936920.78	N: 1093877.56 E: 0936929.03
POLE HEIGHT (FT)	20	20	20	20	4	8	8	8	8
FOUNDATION CODE	L-5	L-8	L-8	L-7	J-1	J-1	J-1	J-1	J-1

DATE \_\_\_\_\_ BY \_\_\_\_\_

REV	DESCRIPTION
7	
6	
5	
4	
3	
2	
1	

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FA PROJECT NO. 200204.00  
 PROJECT MANAGER P. WLODARCZYK  
 DRAWN BY A. KLEE  
 SCALE AS SHOWN  
 ISSUE DATE 7/18/2025

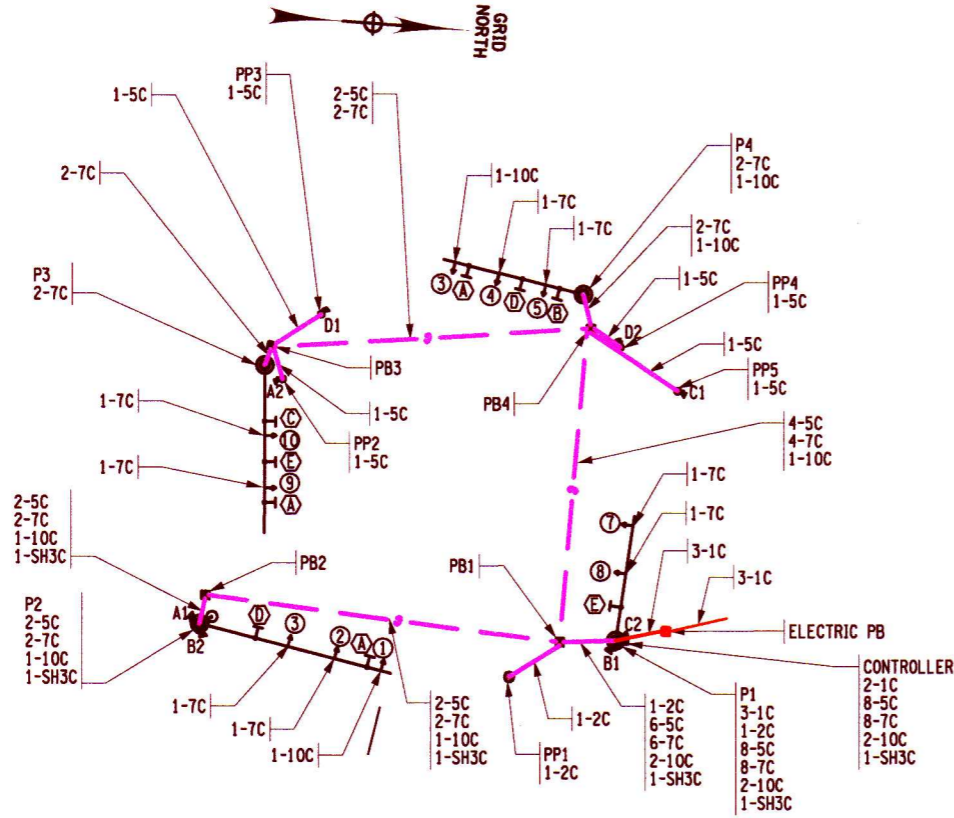
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PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY

TITLE OF DRAWING: TRAFFIC SIGNAL PLAN  
 WEST SENECA TURNPIKE & MIDLAND AVENUE

DRAWING NO. **TSP-01**  
 SHEET 52 OF 60

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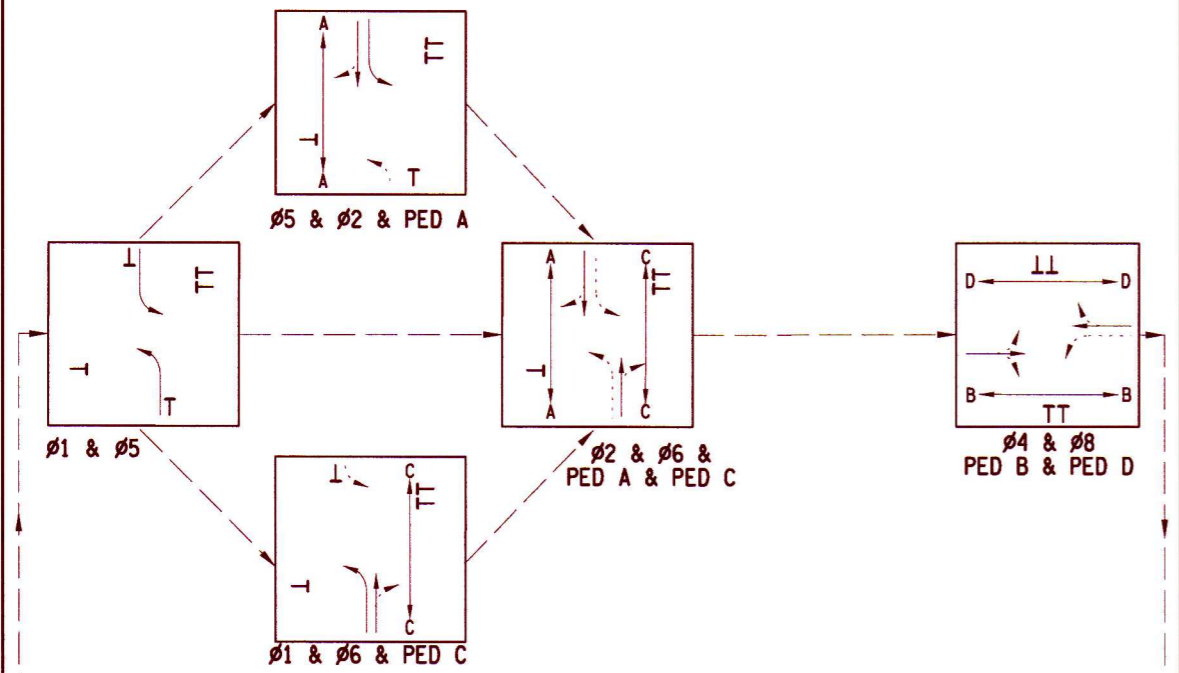


WIRING DIAGRAM  
SCALE = 1:40

LEGEND

- 2C- 680.730214 - SIGNAL CABLE 2 CONDUCTOR, 14 AWG
- 5C- 680.730514 - SIGNAL CABLE 5 CONDUCTOR, 14 AWG
- 7C- 680.730714 - SIGNAL CABLE 7 CONDUCTOR, 14 AWG
- 10C- 680.731014 - SERVICE CABLE 10 CONDUCTOR, 14 AWG
- 1C- 680.950106 - SERVICE CABLE 1 CONDUCTOR, 06AWG
- SH3C- SHIELDED, 3 CONDUCTOR WITH STRANDED GROUND, AWG #20 INCLUDED IN 680.05010007

PREFERENTIAL PHASING SEQUENCE



TO	FROM						
	R	G	<-R-	<-G-	<-FY-	MAN (W)	MAN (DW)
R	R	Y	-	-	-	-	-
G	R	R	-	-	-	-	-
<-R-	R	G	-	-	-	-	-
<-G-	-	-	<-R-	<-Y-	<-Y-	-	-
<-FY-	-	-	<-R-	<-G-	<-FY-	-	-
MAN (W)	-	-	-	-	-	W	DW
HAND (DW)	-	-	-	-	-	DW	DW

- G = CIRCULAR GREEN
- <-G- = CIRCULAR GREEN WITH FLASHING YELLOW ARROW
- Y = CIRCULAR YELLOW
- <-Y- = CIRCULAR YELLOW WITH FLASHING YELLOW ARROW
- <-FY- = FLASHING YELLOW ARROW
- R = CIRCULAR RED
- <-R- = CIRCULAR RED WITH FLASHING YELLOW ARROW

TABLE OF LOAD SWITCH TERMINATIONS

LOAD SWITCH	PHASE/OL PED	DESCRIPTION	FLASH MODE	LOAD SWITCH TERMINAL	HEAD, CABLE, & WIRE	HEAD, CABLE, & WIRE	COMMENT
1	ØVLA (Ø1)	HEAD 4 WB LEFT	W	LS1-R LS1-Y LS1-G NEUTRAL	HD4-HR-10C-4-R HD4-HR-10C-4-O HD4-HR-10C-4-G HD4-HR-10C-4-W		B/W BLK BLU = SPARES
2	Ø2	HEADS 2, 3 EB THRU	R	LS2-R LS2-Y LS2-G NEUTRAL	HD2-HR-7C-2-R HD2-HR-7C-2-O HD2-HR-7C-2-G HD2-HR-7C-2-W	HD3-HR-7C-3-R HD3-HR-7C-3-O HD3-HR-7C-3-G HD3-HR-7C-3-W	B/W BLK BLU = SPARES
3	NU						
4	Ø4	HEADS 7, 8 NB THRU	R	LS4-R LS4-Y LS4-G NEUTRAL	HD7-HR-7C-7-R HD7-HR-7C-7-O HD7-HR-7C-7-G HD7-HR-7C-7-W	HD8-HR-7C-8-R HD8-HR-7C-8-O HD8-HR-7C-8-G HD8-HR-7C-8-W	B/W BLK BLU = SPARES
5	ØVLB (Ø5)	HEAD 1 EB LEFT	W	LS5-R LS5-Y LS5-G NEUTRAL	HD1-HR-10C-1-R HD1-HR-10C-1-O HD1-HR-10C-1-G HD1-HR-10C-1-W		B/W BLK BLU = SPARES
6	Ø6	HEADS 5, 6 WB THRU	R	LS6-R LS6-Y LS6-G NEUTRAL	HD6-HR-7C-5-R HD6-HR-7C-5-O HD6-HR-7C-5-G HD6-HR-7C-5-W	HD6-HR-7C-6-R HD6-HR-7C-6-O HD6-HR-7C-6-G HD6-HR-7C-6-W	B/W BLK BLU = SPARES
7	NU						
8	Ø8	HEADS 9, 10 SB THRU	R	LS8-R LS8-Y LS8-G NEUTRAL	HD9-HR-7C-9-R HD9-HR-7C-9-O HD9-HR-7C-9-G HD9-HR-7C-9-W	HD10-HR-7C-10-R HD10-HR-7C-10-O HD10-HR-7C-10-G HD10-HR-7C-10-W	B/W BLK BLU = SPARES
9	Ø2 PED	A1, A2 W-E PED SOUTH SIDE 1-FYA		LS9-R (FYA) LS9-Y (DW) LS9-G (W) NEUTRAL	HD1-HR-10C-1-O/B A1-5C-1-R A1-5C-1-G A1-5C-1-W	A2-5C-2-R A2-5C-2-G A2-5C-2-W	ORG, BLK = BUTTONS
10	Ø4 PED	B1, B2 S-N PED EAST SIDE 4-FYA		LS9-R (FYA) LS9-Y (DW) LS9-G (W) NEUTRAL	HD4-HR-10C-4-O/B B1-5C-3-R B1-5C-3-G B1-5C-3-W	B2-5C-4-R B2-5C-4-G B2-5C-4-W	ORG, BLK = BUTTONS
11	Ø6 PED	C1, C2 E-W PED NORTH SIDE		LS9-R (NU) LS9-Y (DW) LS9-G (W) NEUTRAL	-- C1-5C-5-R C1-5C-5-G C1-5C-5-W	C2-5C-6-R C2-5C-6-G C2-5C-6-W	ORG, BLK = BUTTONS
12	Ø8 PED	D1, D2 N-S PED WEST SIDE		LS9-R (NU) LS9-Y (DW) LS9-G (W) NEUTRAL	-- D1-5C-7-R D1-5C-7-G D1-5C-7-W	D2-5C-8-R D2-5C-8-G D2-5C-8-W	ORG, BLK = BUTTONS

NOTE REFER TO MANUFACTURER'S NEMA CABINET WIRING DIAGRAM FOR SPECIFIC TERMINAL NUMBERS AS THEY RELATE TO THE TABLE OF LOAD SWITCH TERMINALS ABOVE

COLOR: R-RED, O-ORANGE, G-GREEN, BL-BLUE, W-WHITE, B-BLACK  
KEY FOR WIRE COLOR CODE

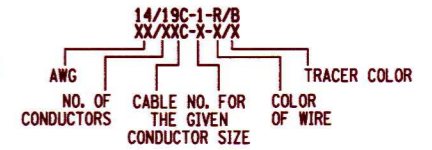


TABLE OF PEDESTRIAN PUSH BUTTON TERMINATIONS

FUNCTION	DET NUMBER	TYPE	PED BUTTON TERMINAL	
PED A (Ø2)	A1, A2	PUSH BUTTON	Ø2 PED CALL	CROSSING MEACHUM FIELD DWY (SOUTH SIDE)
PED B (Ø4)	B1, B2	PUSH BUTTON	Ø4 PED CALL	CROSSING W SENECA TPK (EAST SIDE)
PED C (Ø6)	C1, C2	PUSH BUTTON	Ø6 PED CALL	CROSSING MIDLAND AVE (NORTH SIDE)
PED D (Ø8)	D1, D2	PUSH BUTTON	Ø8 PED CALL	CROSSING W SENECA TPK (WEST SIDE)

NOTE REFER TO MANUFACTURER'S NEMA CABINET WIRING DIAGRAM FOR SPECIFIC TERMINAL NUMBERS AS THEY RELATE TO THE TABLE OF PEDESTRIAN PUSH BUTTON TERMINALS ABOVE

TABLE OF OPERATIONS

PHASE	FACE																	
	1	2	3	4	5	6	7	8	9	10	A1	A2	B1	B2	C1	C2	D1	D2
Ø1 + Ø5	<-G-	R	R	<-G-	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
Ø1 + Ø6	<-FY-	R	R	<-G-	G	G	R	R	R	R	DW	DW	DW	DW	W	W	DW	DW
Ø2 + Ø5	<-G-	G	G	<-FY-	R	R	R	R	R	R	W	W	DW	DW	DW	DW	DW	DW
Ø2 + Ø6	<-FY-	G	G	<-FY-	G	G	R	R	R	R	W	W	DW	DW	W	W	DW	DW
Ø4 + Ø8	<-R-	R	R	<-R-	R	R	G	G	G	G	DW	DW	W	W	DW	DW	W	W
12 INCH DIAMETER LENSES	<-R-	R	R	<-R-	R	R	R	R	R	R	HAND /MAN	HAND /MAN	HAND /MAN	HAND /MAN				
	<-Y-	Y	Y	<-Y-	Y	Y	Y	Y	Y	Y								
	<-FY-	G	G	<-FY-	G	G	G	G	G	G	CDT	CDT	CDT	CDT				
	<-G-			<-G-														

PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
CITY OF SYRACUSE  
ONONDAGA COUNTY

TITLE OF DRAWING: TRAFFIC SIGNAL PLAN  
WEST SENECA TURNPIKE & MIDLAND AVENUE

DRAWING NO. **TSP-02**

DATE: 7/19/2025

ISSUE DATE: 7/19/2025

SCALE: AS SHOWN

DRAWN BY: A. KLEE

CHECKED BY: P. WLODARCZYK

PROJECT NO.: 200204.00

PROJECT MANAGER: P. WLODARCZYK

FA PROJECT NO.: 200204.00

DATE: 7/19/2025

BY: [Signature]

DESCRIPTION: [Blank]

REV: [Blank]

7

6

5

4

3

2

1

DATE

DESCRIPTION

REV

STATE OF NEW YORK  
JUDITH A. HART  
REGISTERED PROFESSIONAL ENGINEER  
07688

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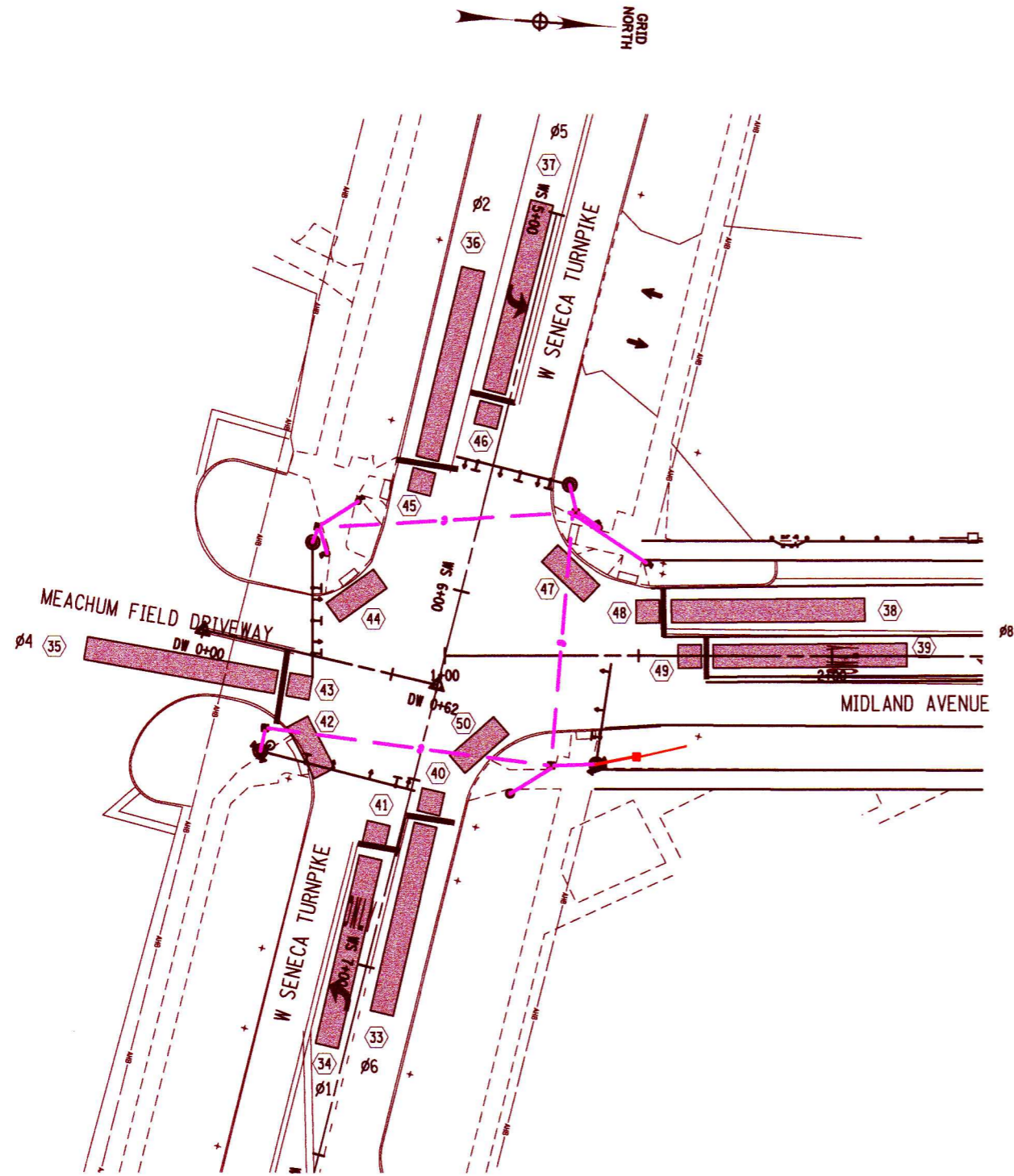
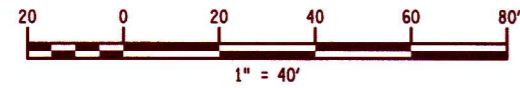


TABLE OF DETECTION INPUTS					
FUNCTION	DETECTION ZONE NUMBER	DETECTION ZONE SIZE	SDLC CHANNEL	REMARKS	
	ø6	33	6' X 50'	33	W SENECA TPK - WB
	ø1	34	6' X 50'	34	W SENECA TPK - WB LT
	ø4	35	6' X 50'	35	MEACHUM FIELD DRIVEWAY - NB
	ø2	36	6' X 50'	36	W SENECA TPK - EB
	ø5	37	6' X 50'	37	W SENECA TPK - EB LT
	ø8	38	6' X 50'	38	MIDLAND AVE - SB
	ø8	39	6' X 50'	39	MIDLAND AVE - SB LT
	ø6	40	6' X 6'	40	W SENECA TPK - WB - VEHICLE COUNTS
	ø1	41	6' X 6'	41	W SENECA TPK - WB LT - VEHICLE COUNTS
	ø4	42	6' X 15'	42	MEACHUM FIELD DRIVEWAY - NB RT - VEHICLE COUNTS
	ø4	43	6' X 6'	43	MEACHUM FIELD DRIVEWAY - NB - VEHICLE COUNTS
	ø2	44	6' X 15'	44	W SENECA TPK - EB RT - VEHICLE COUNTS
	ø2	45	6' X 6'	45	W SENECA TPK - EB - VEHICLE COUNTS
	ø5	46	6' X 6'	46	W SENECA TPK - EB LT - VEHICLE COUNTS
	ø8	47	6' X 15'	47	MIDLAND AVE - SB RT - VEHICLE COUNTS
	ø8	48	6' X 6'	48	MIDLAND AVE - SB - VEHICLE COUNTS
	ø8	49	6' X 6'	49	MIDLAND AVE - SB LT - VEHICLE COUNTS
	ø6	50	6' X 15'	50	W SENECA TPK - WB RT - VEHICLE COUNTS
	UNUSED			51	
	UNUSED			52	
	UNUSED			53	
	UNUSED			54	
	UNUSED			55	
	UNUSED			56	
	UNUSED			57	
	UNUSED			58	
	UNUSED			59	
	UNUSED			60	
	UNUSED			61	
	UNUSED			62	
	UNUSED			63	
	UNUSED			64	
	UNUSED			65	

PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY

TITLE OF DRAWING: VIDEO DETECTION PLAN  
 WEST SENECA TURNPIKE & MIDLAND AVENUE

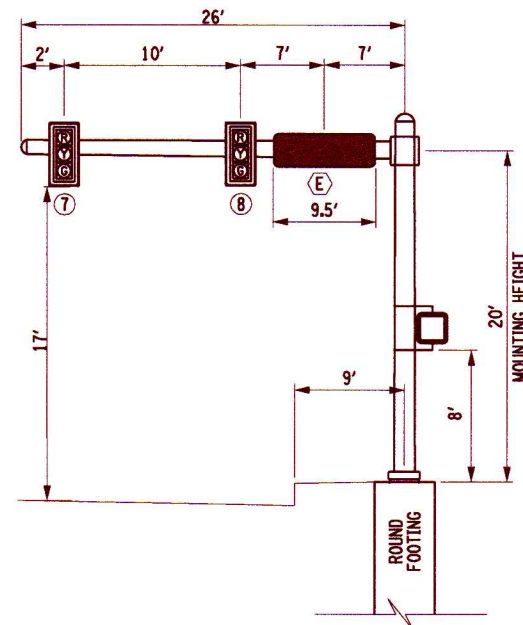
DRAWING NO.: **TSP-03**  
 SHEET 54 OF 60

FA PROJECT NO.: 200204.00  
 PROJECT MANAGER: P. WLODARCZYK  
 DRAWN BY: A. KLEE  
 SCALE: AS SHOWN  
 ISSUE DATE: 7/18/2025

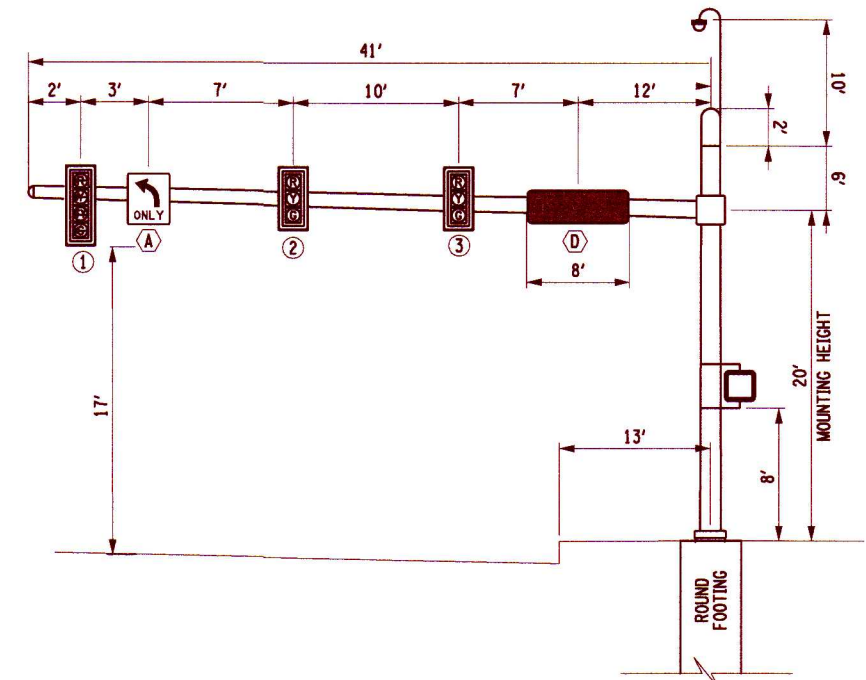
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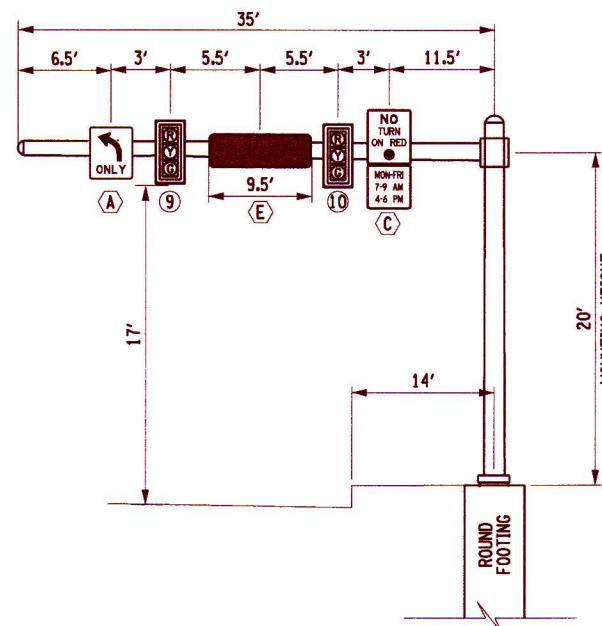
ESTIMATE OF QUANTITIES				
ITEM NUMBER	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
201.07010004	CLEARING AND GRUBBING AND TREE TRIMMING	EACH	1	
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF	324	
206.05	TEST PIT EXCAVATION	EACH	4	
645.61	OVERHEAD SIGN PANELS	SF	106.5	
662.60010004	FURNISHING ELECTRICAL SERVICE	DC	100	
680.05010007	360 Degree Camera Video Detection System	EACH	1	
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	16.7	
680.50500005	REMOVE POLE FOUNDATIONS	LF	22	
680.510501	PULLBOX-RECTANGULAR, 26 X 18 INCH, REINFORCED CONCRETE	EACH	4	
680.51505011	ELECTRICAL PB	EACH	1	
680.520106	CONDUIT, METAL STEEL, ZINC COATED, 2"	LF	85	
680.520108	CONDUIT, METAL STEEL, ZINC COATED, 3"	LF	424	
680.520110	CONDUIT, METAL STEEL, ZINC COATED, 4"	LF	27	
680.560200 OD	EMERGENCY PRE-EMPTION SYSTEM - OPTICAL DETECTOR	EACH	2	
680.560300 OD	EMERGENCY PRE-EMPTION SYSTEM - PHASE SELECTOR	EACH	2	
680.560400 OD	EMERGENCY PRE-EMPTION SYSTEM - DETECTOR CABLE	LF	430	
680.622026	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 26 FEET ARM LENGTH	EACH	1	
680.622030	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 30 FEET ARM LENGTH	EACH	1	
680.622035	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 35 FEET ARM LENGTH	EACH	1	
680.622041	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 41 FEET ARM LENGTH	EACH	1	
680.6704	TRAFFIC SIGNAL POLE - POST TOP MOUNT 4 FEET MOUNTING HEIGHT	EACH	1	
680.6708	TRAFFIC SIGNAL POLE POST TOP MOUNT, 8 FEET MOUNTING HEIGHT	EACH	4	
680.700603	RISER ASSEMBLY, 1" DIAMETER	EACH	1	
680.730214	SIGNAL CABLE 2 CONDUCTORS, 14 AWG	LF	65	
680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG	LF	1130	
680.730714	SIGNAL CABLE 7 CONDUCTORS, 14 AWG	LF	1360	
680.731014	SIGNAL CABLE 10 CONDUCTORS, 14 AWG	LF	395	
680.79000105	REMOVE TRAFFIC SIGNAL INSTALLATION	ELOC	1	
680.79490010	REMOVE TRAFFIC SIGNAL PULLBOXES	EACH	9	
680.80370501	CONTROLLER AND CABINET 4 THROUGH 8 PHASE FULL TRAFFICACTUATED ( NEMA)	EACH	1	
680.810101	TRAFFIC SIGNAL MODULE - 12 INCH, RED BALL, LED	EACH	8	
680.810102	TRAFFIC SIGNAL MODULE - 12 INCH, RED ARROW, LED	EACH	2	
680.810103	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW BALL, LED	EACH	8	
680.810104	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW ARROW, LED	EACH	4	
680.810105	TRAFFIC SIGNAL MODULE - 12 INCH, GREEN BALL, LED	EACH	8	
680.810106	TRAFFIC SIGNAL MODULE - 12 INCH GREEN ARROW, LED	EACH	2	
680.810601	TRAFFIC SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EACH	32	
680.8111	TRAFFIC SIGNAL BRACKET ASSEMBLY-1 WAY	EACH	10	
680.813105	PEDESTRIAN SIGNAL MODULE - 12 INCH BI-MODAL, HAND/MAN SYMBOLS LED	EACH	8	
680.813106	PEDESTRIAN SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EACH	16	
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY	EACH	4	
680.8142	PEDESTRIAN SIGNAL POST TOP MOUNT ASSEMBLY	EACH	4	
680.815001	PEDESTRIAN SIGNAL MODULE - 12 INCH COUNTDOWN TIMER, LED	EACH	8	
680.8151	ACCESSIBLE PEDESTRIAN SIGNAL (APS) W/O POST	EACH	8	
680.81990003	TRAFFIC SIGNAL BACKPLATES WITH YELLOW REFLECTIVE TAPE	EACH	10	
680.8207	OVERHEAD SIGN ASSEMBLY, TYPE G	EACH	9	
680.8223	BREAKAWAY TRANSFORMER BASE	EACH	5	
680.90920001	ELECTRIC METER SOCKET, 100 AMPERES, SNG PHASE, 120 VOLTSFOR TRAF SIGNAL LIGHT CIRCUITS (NIAGARA MOHAWK POWER CO)	EACH	1	
680.9499	Install Electrical Disconnect/Generator Transfer Switch	EACH	1	
680.950106	ELECTRICAL SERVICE CABLE 1 WIRE 6 GAUGE	LF	285	



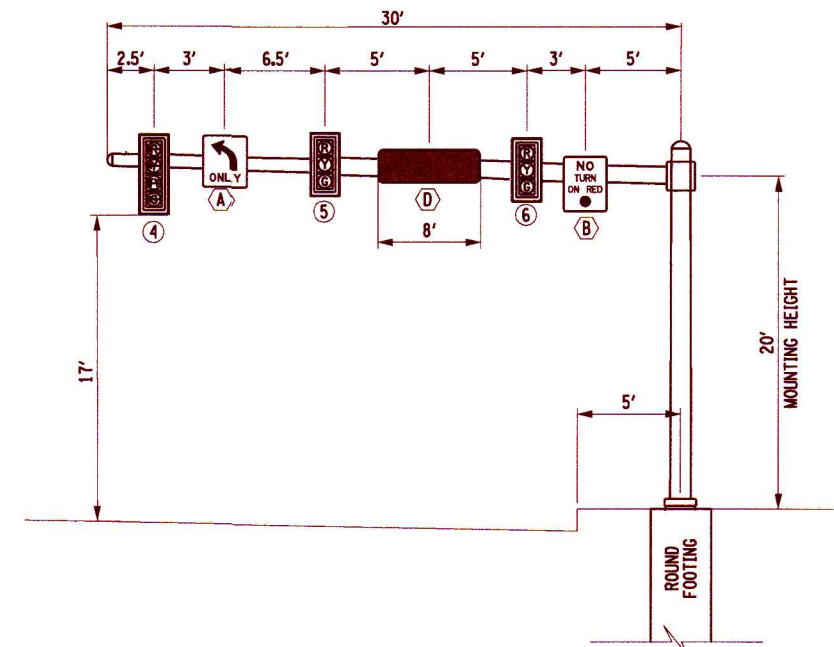
ITEM 680.622026 - MAST ARM TRAFFIC SIGNAL POLE 1, 20' MOUNT. HEIGHT, 26' ARM LOOKING NB ON MEACHUM FIELD DRIVEWAY  
NOT TO SCALE



ITEM 680.622041 - MAST ARM TRAFFIC SIGNAL POLE 2, 20' MOUNT. HEIGHT, 41' ARM LOOKING EB ON W SENECA TPKE  
NOT TO SCALE



ITEM 680.622035 - MAST ARM TRAFFIC SIGNAL POLE 3, 20' MOUNT. HEIGHT, 35' ARM LOOKING SB ON MIDLAND AVE  
NOT TO SCALE



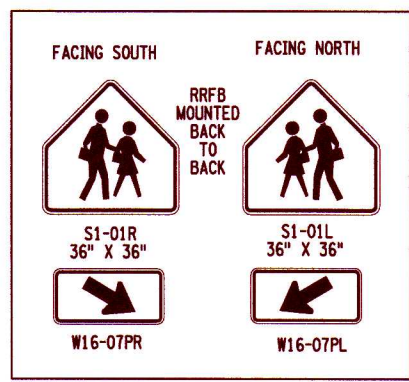
ITEM 680.622030 - MAST ARM TRAFFIC SIGNAL POLE 4, 20' MOUNT. HEIGHT, 30' ARM LOOKING WB ON W SENECA TPKE  
NOT TO SCALE

MASTARM DIAGRAM

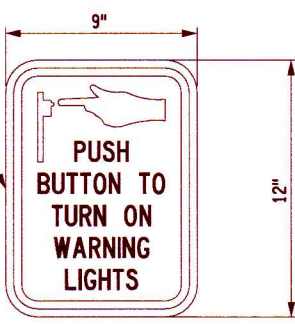
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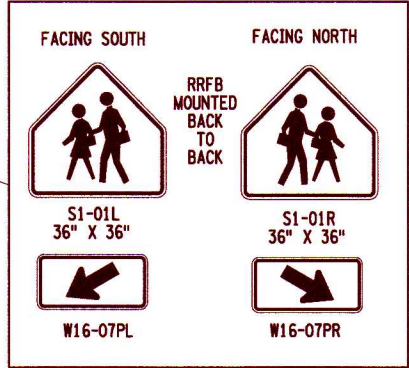
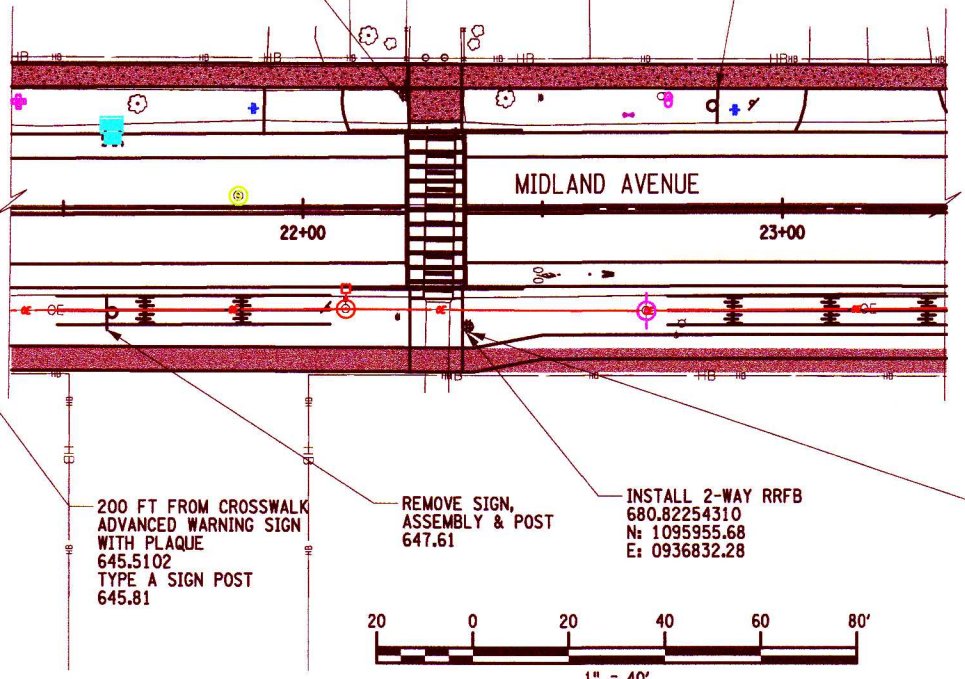




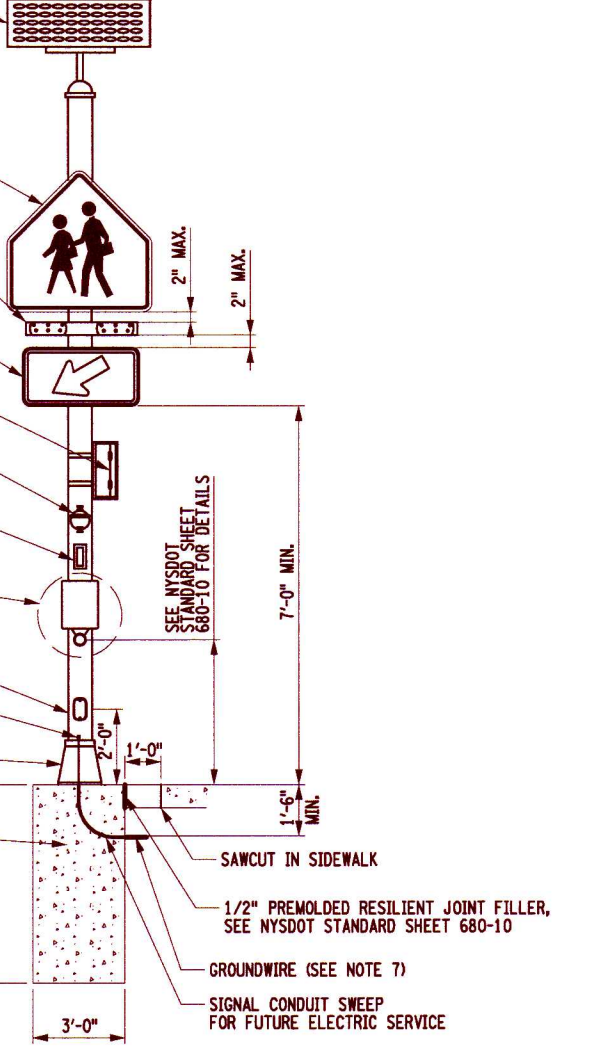
9" X 12" R10-25 R OR L PEDESTRIAN PUSHBUTTON SIGN



PUSH BUTTON SIGN DETAIL NOT TO SCALE



- SOLAR PANEL ENERGY SOURCE
- HI-VIS GREEN CROSSING SIGN (SEE NOTES 10, 16, & 18)
- RAPID FLASHING BAR CLEAR LENSES W/ AMBER LED'S (2 EACH)
- SUPPLEMENTAL HI-VIS GREEN SIGN (SEE NOTES 10, 16, & 18)
- POLE-MOUNTED RADIO CONTROLLED CABINET (SEE NOTES 5, 6, & 15)
- METER PAN MOUNTED ON POLE AWAY FROM TRAFFIC
- GENERATOR TRANSFER SWITCH ATTACHMENT TO POLE MAY BE BY BOLTING OR BANDING
- ACCESSIBLE PEDESTRIAN SIGNAL (APS) PUSHBUTTON WITH R10-25 INSTRUCTION SIGN (SEE NOTES 16 & 17) SEE NYSDOT STANDARD SHEET 680-10 FOR ADDITIONAL DETAILS
- GALVANIZED STEEL POLE (SEE NOTE 11)
- GROUND TERMINAL
- BREAKAWAY TRANSFORMER BASE (SEE NOTE 11)
- FOOTING ITEM 680.5001 POLE EXCAVATION AND CONCRETE FOUNDATION (FOUNDATIONS PAID FOR SEPARATELY, SEE NOTES 4 AND 11)



RECTANGULAR RAPID FLASHING BEACON (RRFB) ASSEMBLY  
ITEM NO 680.82254310

ESTIMATE OF QUANTITIES					
ITEM NUMBER	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY	
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITH Z-BARS	SF	22		
645.81	TYPE A SIGN POSTS	EACH	4		
647.61	REMOVE AND DISPOSE SIGNS, GROUND MOUNTED TYPE A SIGN SUPPORTS AND FOUNDATIONS - SIZE I (UNDER 30 SQ)	EACH	2		
680.82254310	RECTANGULAR RAPID FLASHING BEACON (RRFB) ASSEMBLY - FOUR BEACONS, SOLAR POWERED	EACH	2		

NOTES:

- FOR SPECIFIC FOUNDATION DETAILS SEE NYSDOT STANDARD SHEET 680-01 TITLED "TRAFFIC SIGNAL POLE FOUNDATIONS".
- FOR SPECIFIC GROUNDING DETAILS SEE NYSDOT STANDARD SHEET 680-04 TITLED "PULLBOX, CONDUIT AND GROUND ROD INSTALLATION DETAILS".
- FOR SPECIFIC POLE DETAILS SEE THE NYSDOT STANDARD SHEETS 680-06 TITLED "STANDARD TRAFFIC SIGNAL POLES".
- AN APPROVED BREAKAWAY TRANSFORMER BASE SUITABLE FOR USE WITH THE ASSEMBLY WEIGHT SHALL BE INSTALLED WITH THE FLASHING BEACON ASSEMBLY. THE FOUNDATION WIDTH SHALL BE 36" WIDE AND REINFORCED AS PER FOUNDATION CODE K-4 ON NYSDOT STANDARD SHEET 680-01 TITLED "TRAFFIC SIGNAL POLE FOUNDATIONS".
- MAXIMUM ALLOWABLE ENCROACHMENT INTO ADJACENT SIDEWALK IS 12".
- THE POLE MOUNTED RADIO NETWORK CONTROLLER CABINET SHALL NOT INTRUDE INTO THE SIDEWALK AREA OR OBSTRUCT THE PEDESTRIAN PUSHBUTTON. THE CABINET SHALL BE MOUNTED ON THE SIDE OF THE POLE AWAY FROM APPROACHING TRAFFIC. IN UNPAVED AREAS, A CONCRETE WORK PAD SHALL BE CONSTRUCTED IN FRONT OF THE CABINET DOOR (AOBE) NOT TO EXCEED 5'x5'x4" DEEP AND SHALL ABUT AND BE FLUSH WITH THE POLE FOUNDATION. THE CABINET SHALL BE OF SUFFICIENT SIZE TO HOUSE ALL REQUIRED EQUIPMENT.
- SERVICE GROUND WIRE MAY VARY AS PER UTILITY REQUIREMENTS. FOR SPECIFIC INSTALLATION DETAILS SEE NYSDOT STANDARD SHEET 608-05 TITLED "BASE AND POLE MOUNTED CABINET INSTALLATION DETAILS".

- ELECTRICAL SERVICE IS PROVIDED BY SOLAR. THE SOLAR PANEL ASSEMBLY SHALL BE AFFIXED TO THE TOP OF THE POLE AND BE CAPABLE OF ROTATING 360°. THE PANEL SHALL BE ABLE TO BE ANGLED BETWEEN 45-60°. FUTURE ELECTRICAL SERVICE CAN BE PROVIDED UNDERGROUND AND ENTER THROUGH THE BASE AS NEEDED. A CONDUIT SWEEP SHALL BE INSTALLED IN THE POLE FOUNDATION.
- THE HAND HOLE ON THE PED/POLE BREAKAWAY BASE SHALL BE ORIENTED AWAY FROM TRAFFIC.
- CROSSING SIGNS AND SUPPLEMENTAL PLAQUES SHALL UTILIZE FLUORESCENT YELLOW-GREEN TYPE IX SHEETING. SIGN AND PLAQUE SIZES SHALL CONFORM TO THE MUTCD. ALL SIGNS AND PLAQUES SHALL CONFORM TO THE MATERIAL REQUIREMENTS IN SECTION 645 OF THE NYSDOT STANDARD SPECIFICATIONS.
- THIS ASSEMBLY SHALL INCLUDE A GALVANIZED STEEL POLE WITH AN APPROVED BREAKAWAY TRANSFORMER BASE AND CONCRETE FOUNDATION MEETING ALL THE MATERIAL REQUIREMENTS OF NYSDOT STANDARD SPECIFICATION SECTION 680-2 AND BE SUITABLE TO HANDLE THE STATIC & DYNAMIC LOADING OF THE ASSEMBLY AS PER MANUFACTURER REQUIREMENTS. FOR FOUNDATION REINFORCEMENT, SEE STANDARD SHEET 680-01 TITLED "TRAFFIC SIGNAL POLE FOUNDATIONS", CODE K-4.
- NOTIFY DIG SAFELY - NEW YORK AT (800) 962-7962 PRIOR TO ANY EXCAVATION.
- WIDTH OF SOLAR PANEL AND LED SIGNAL INDICATION ASSEMBLY SHALL NOT EXCEED THE WIDTH OF SIGN PANEL TO AVOID DAMAGE AND POTENTIAL UTILITY CONFLICTS.
- ALL ADA STANDARDS SHALL BE MET WITH PLACEMENT OF THE SIGN WITH THE PROPOSED CROSSWALKS.

- WHEN MULTIPLE UNITS ARE USED AT A LOCATION CONTRACTOR SHALL USE DIFFERENT RADIO FREQUENCIES TO AVOID COMMUNICATION ISSUES.
- THE UNIT PRICE BID FOR ITEMS 680.82254310 - RECTANGULAR RAPID FLASHING BEACONS SHALL ALSO INCLUDE: SIGNAL POLE, SIGNS, BREAKAWAY TRANSFORMER BASE AND APS PUSH BUTTONS.
- ALL RECTANGULAR RAPID FLASHING BEACONS SHALL INCLUDE AN ADA PEDESTRIAN PUSHBUTTON MEETING THE REQUIREMENTS OF ITEM 680.8151 - ACCESSIBLE PEDESTRIAN SIGNAL (APS) WITHOUT POLE. COST TO BE INCLUDED IN THE UNIT BID PRICE FOR ITEMS 680.82254310 - RECTANGULAR RAPID FLASHING BEACONS.
- SINGLE DIRECTION BEACONS WILL REQUIRE 1 SIGN, BI DIRECTIONAL BEACONS WILL REQUIRE 2 SIGNS.
- THE BATTERY AND SOLAR POWERED COLLECTOR SHALL MEET ALL REQUIREMENTS FOR APS PUSH BUTTONS.

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PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
CITY OF SYRACUSE  
ONONDAGA COUNTY

TITLE OF DRAWING: TRAFFIC SIGNAL PLAN  
MIDLAND AVENUE CROSSING

DRAWING NO. **TSP-05**  
SHEET 56 OF 60

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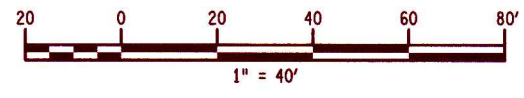
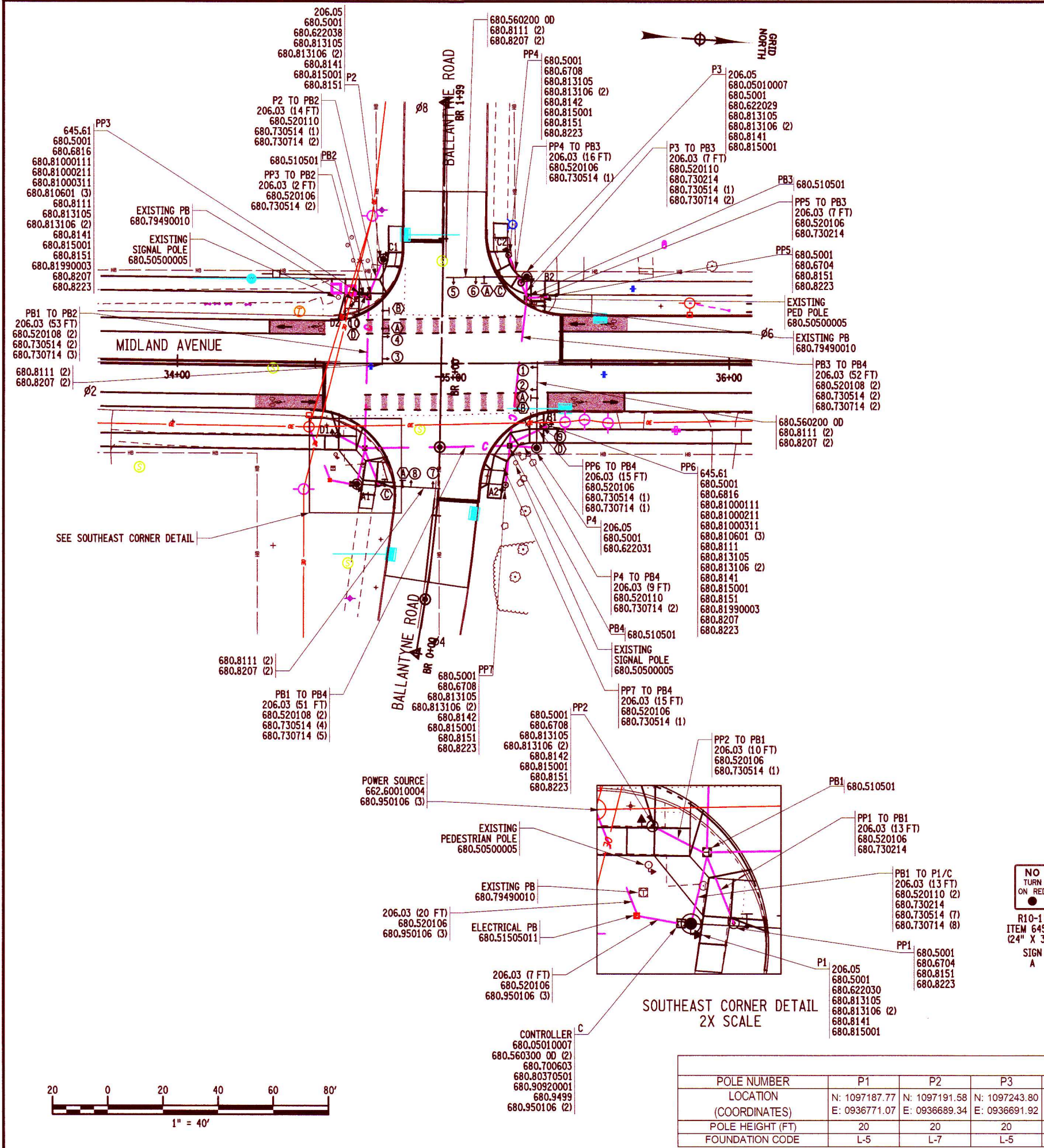
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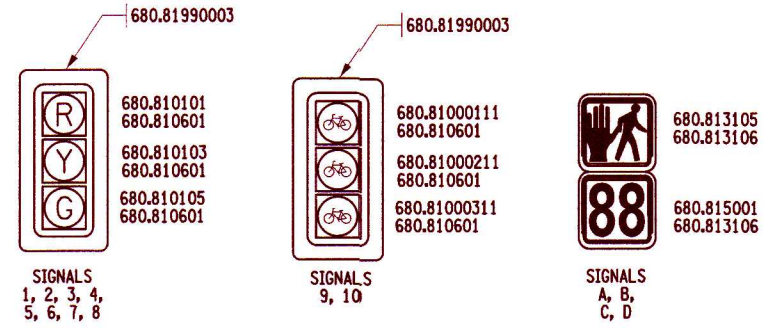
DATE: 7/18/2025  
ISSUE DATE: 7/18/2025  
SCALE: AS SHOWN  
DESIGNED BY: H. LAGOE  
DRAWN BY: P. WLODARCZYK  
PROJECT MANAGER: P. WLODARCZYK  
FA PROJECT NO.: 200204.00  
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ADP:Paul



- NOTES:
- ITEM 680.79000205 - REMOVE TRAFFIC SIGNAL EQUIPMENT, SHALL INCLUDE: REMOVING EXISTING TRAFFIC SIGNAL EQUIPMENT, INCLUDING SIGNAL POLES, PED POLES, SPAN WIRE, SIGNAL HEADS, CONTROLLER CABINET, AND SIGNAL WIRES.
  - EXISTING PULLBOXES SHALL BE REMOVED IN ACCORDANCE WITH AND PAID UNDER ITEM 680.79490010.
  - NEW PEDESTRIAN POLES SUPPLIED UNDER 680.6708 AND 680.6816 SHALL BE ALUMINUM AND INCLUDE A BREAKAWAY TRANSFORMER BASE PAID UNDER 680.8223.
  - PEDESTRIAN SIGNAL HEADS SHALL BE INSTALLED ON THE TOP OF POLES TO PROVIDE CLEARANCE FOR TURNING TRAFFIC EXCEPT FOR PP3 AND PP5 WHICH SHALL HAVE BRACKET MOUNTED PEDESTRIAN SIGNAL HEADS.
  - CROSSWALKS ARE NOT SHOWN FOR CLARITY,
  - IT IS THE CONTACTOR'S RESPONSIBILITY TO DETERMINE THE FINAL GROUND AND PAVEMENT ELEVATIONS AND VERIFY THAT THE CLEARANCE FROM THE PAVEMENT AT ITS HIGHEST POINT UNDER THE MAST ARM TO THE BOTTOM OF THE SIGNAL HEAD IS A MINIMUM OF 17'-0" PRIOR TO ORDERING THE POLES.
  - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, IN CONJUNCTION WITH THE POLE MANUFACTURER, TO DETERMINE THE ULTIMATE POLE STRENGTH AND FOOTING MOMENT FOR THE POLE'S DESIGN LOADING. THE FOOTING MOMENT FOR THE POLE'S ULTIMATE DESIGN LOADING SHALL BE VERIFIED TO SELECT THE FOOTING CODE, AS SPECIFIED ON STANDARD SHEET 680-01.
  - MAST ARMS & FOUNDATIONS TO BE DESIGNED FOR POSSIBLE FUTURE LOADING NEEDS. THE POLE MANUFACTURER AND CONTRACTOR SHALL BE RESPONSIBLE TO DESIGN THE SIGNAL POLE AND MAST ARM TO MEET THESE FUTURE NEEDS.
  - FUTURE POSSIBLE LOADING TO INCLUDE TWO ADDITIONAL SIGNS FOR DESIGN PURPOSES. THE LARGER FUTURE SIGN (12 SF) SHALL BE PLACED ON THE END OF THE MAST ARM, THE SMALLER FUTURE SIGN (7.5 SF) SHALL BE PLACED MID-SPAN ON THE MAST ARM.
  - FUTURE POSSIBLE LOADING TO INCLUDE A 4 SECTION SIGNAL OVER ANY LEFT ONLY LANES THAT DO NOT ALREADY HAVE A 4 SECTION SIGNAL IN THE CURRENT PLANS.
  - SEE TSP-07 THRU TSP-09 FOR ADDITIONAL SIGNAL INFORMATION, TABLES, AND QUANTITIES.



SIGNAL HEAD DETAILS  
(NOT TO SCALE)



SIGN DETAILS  
(NOT TO SCALE)

POLE TABLE		P1	P2	P3	P4	PP1	PP2	PP3	PP4	PP5	PP6	PP7
POLE NUMBER												
LOCATION (COORDINATES)	N: 1097187.77 E: 0936771.07	N: 1097191.58 E: 0936689.34	N: 1097243.80 E: 0936691.92	N: 1097251.77 E: 0936753.41	N: 1097195.50 E: 0936770.40	N: 1097179.58 E: 0936753.91	N: 1097184.66 E: 0936702.61	N: 1097236.71 E: 0936684.65	N: 1097251.50 E: 0936698.65	N: 1097254.71 E: 0936745.48	N: 1097238.42 E: 0936768.48	
POLE HEIGHT (FT)	20	20	20	20	4	8	16	8	4	16	8	
FOUNDATION CODE	L-5	L-7	L-5	L-6	J-1	J-1	K-3	J-1	J-1	K-3	J-1	

BY																
DATE																
DESCRIPTION																
REV	7	6	5	4	3	2	1									
PROJECT: MIDLAND AVENUE 2R PAVING PROJECT W. OSSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY																
DRAWING NO.: TSP-06 SHEET 57 OF 60																

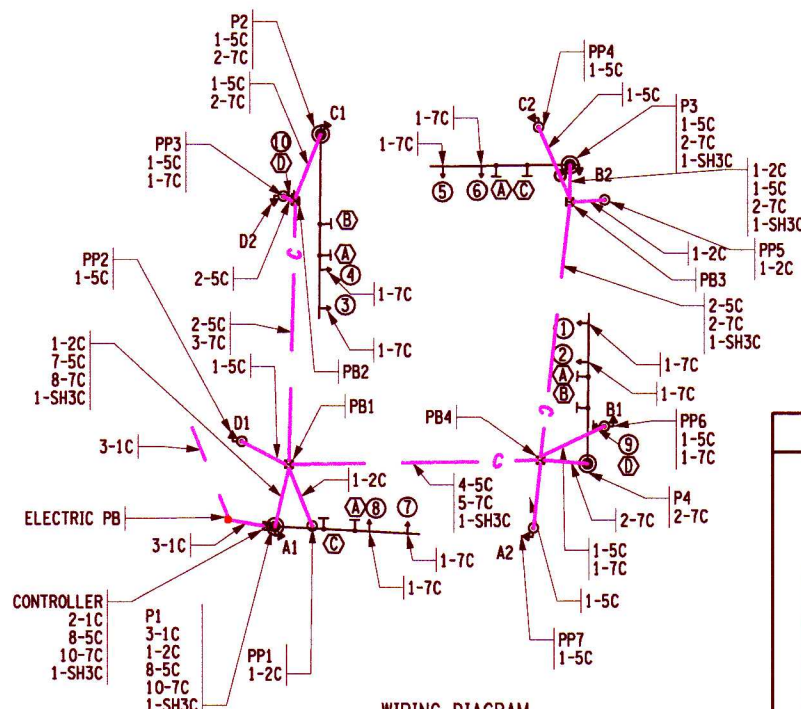


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ENGINEER  
RICHARD PALMER  
07198

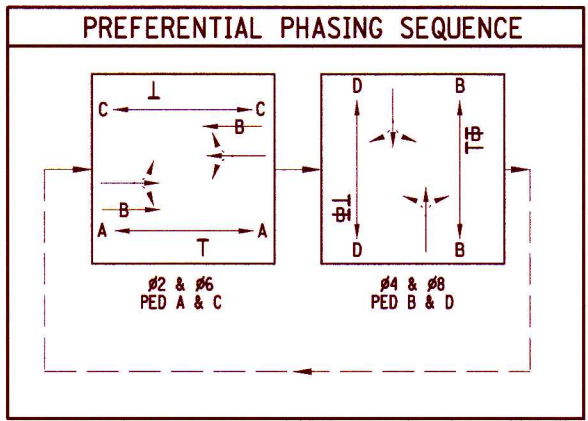
FA PROJECT NO. 200204.00  
PROJECT MANAGER P. WLODARCZYK  
DRAWN BY H. LAGOE  
SCALE AS SHOWN  
ISSUE DATE 7/18/2025



**LEGEND**

2C- 680.730214 - SIGNAL CABLE 2 CONDUCTOR, 14 AWG  
 5C- 680.730514 - SIGNAL CABLE 5 CONDUCTOR, 14 AWG  
 7C- 680.730714 - SIGNAL CABLE 7 CONDUCTOR, 14 AWG  
 1C- 680.950106 - SERVICE CABLE 1 CONDUCTOR, 06AWG  
 SH3C- SHIELDED, 3 CONDUCTOR WITH STRANDED GROUND, AWG #20 INCLUDED IN 680.05010007

**WIRING DIAGRAM**  
 SCALE = 1:40



**TABLE OF LOAD SWITCH TERMINATIONS**

LOAD SWITCH	PHASE/OL PED	DESCRIPTION	FLASH MODE	LOAD SWITCH TERMINAL	HEAD, CABLE, & WIRE	HEAD, CABLE, & WIRE	COMMENT
1	N/U						
2	φ2	HEADS 1, 2 NB THRU	R	LS2 - R LS2 - Y LS2 - G NEUTRAL	HD1-HR-7C-1-R HD1-HR-7C-1-O HD1-HR-7C-1-G HD1-HR-7C-1-W	HD2-HR-7C-2-R HD2-HR-7C-2-O HD2-HR-7C-2-G HD2-HR-7C-2-W	B/W, BLK, BLU = SPARES
3	N/U						
4	φ4	HEADS 5, 6 WB THRU	R	LS4 - R LS4 - Y LS4 - G NEUTRAL	HD5-HR-7C-5-R HD5-HR-7C-5-O HD5-HR-7C-5-G HD5-HR-7C-5-W	HD6-HR-7C-6-R HD6-HR-7C-6-O HD6-HR-7C-6-G HD6-HR-7C-6-W	B/W, BLK, BLU = SPARES
5	N/U						
6	φ6	HEADS 3, 4 SB THRU	R	LS6 - R LS6 - Y LS6 - G NEUTRAL	HD3-HR-7C-3-R HD3-HR-7C-3-O HD3-HR-7C-3-G HD3-HR-7C-3-W	HD4-HR-7C-4-R HD4-HR-7C-4-O HD4-HR-7C-4-G HD4-HR-7C-4-W	B/W, BLK, BLU = SPARES
7	N/U						
8	φ8	HEADS 7, 8 EB THRU	R	LS8 - R LS8 - Y LS8 - G NEUTRAL	HD7-HR-7C-7-R HD7-HR-7C-7-O HD7-HR-7C-7-G HD7-HR-7C-7-W	HD8-HR-7C-8-R HD8-HR-7C-8-O HD8-HR-7C-8-G HD8-HR-7C-8-W	B/W, BLK, BLU = SPARES
9	φ2 PED	A1, A2 N-S PED EAST SIDE		LS9 - R (N/U) LS9 - Y (DW) LS9 - G (W) NEUTRAL	A1-5C-1-R A1-5C-1-G A1-5C-1-W	A2-5C-2-R A2-5C-2-G A2-5C-2-W	ORG, BLK = BUTTONS
10	φ4 PED	B1, B2 E-W PED NORTH SIDE		LS9 - R (N/U) LS9 - Y (DW) LS9 - G (W) NEUTRAL	B3-5C-3-R B3-5C-3-G B3-5C-3-W	B4-5C-4-R B4-5C-4-G B4-5C-4-W	ORG, BLK = BUTTONS
11	φ6 PED	C1, C2 N-S PED WEST SIDE		LS9 - R (N/U) LS9 - Y (DW) LS9 - G (W) NEUTRAL	A3-5C-5-R A3-5C-5-G A3-5C-5-W	A4-5C-6-R A4-5C-6-G A4-5C-6-W	ORG, BLK = BUTTONS
12	φ8 PED	D1, D2 E-W PED SOUTH SIDE		LS9 - R (N/U) LS9 - Y (DW) LS9 - G (W) NEUTRAL	B1-5C-7-R B1-5C-7-G B1-5C-7-W	B2-5C-8-R B2-5C-8-G B2-5C-8-W	ORG, BLK = BUTTONS

NOTE: REFER TO MANUFACTURER'S NEMA CABINET WIRING DIAGRAM FOR SPECIFIC TERMINAL NUMBERS AS THEY RELATE TO THE TABLE OF LOAD SWITCH TERMINALS ABOVE

**TABLE OF PEDESTRIAN PUSH BUTTON TERMINATIONS**

FUNCTION	DET NUMBER	TYPE	PED BUTTON TERMINAL	
PED A (φ2)	A1, A2	PUSH BUTTON	φ2 PED CALL	CROSSING BALLANTYNE RD (EAST SIDE)
PED B (φ4)	B1, B2	PUSH BUTTON	φ4 PED CALL	CROSSING MIDLAND AVE (NORTH SIDE)
PED C (φ6)	C1, C2	PUSH BUTTON	φ6 PED CALL	CROSSING BALLANTYNE RD (WEST SIDE)
PED D (φ8)	D1, D2	PUSH BUTTON	φ8 PED CALL	CROSSING MIDLAND AVE (SOUTH SIDE)

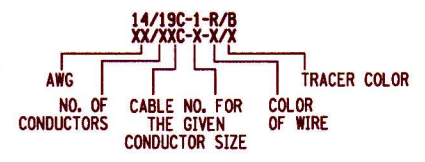
NOTE: REFER TO MANUFACTURER'S NEMA CABINET WIRING DIAGRAM FOR SPECIFIC TERMINAL NUMBERS AS THEY RELATE TO THE TABLE OF PEDESTRIAN PUSH BUTTON TERMINALS ABOVE

**TABLE OF CLEARANCES**

TO	FROM					
	R	G	BR	BG	MAN (W)	MAN (DW)
R	R	Y	-	-	-	-
G	R	G	-	-	-	-
BR	-	-	BR	BY	-	-
BG	-	-	BR	BG	-	-
MAN (W)	-	-	-	-	W	DW
HAND (DW)	-	-	-	-	FDW	DW

G = CIRCULAR GREEN Y = CIRCULAR YELLOW R = CIRCULAR RED  
 BG = BICYCLE GREEN BY = BICYCLE YELLOW BR = BICYCLE RED

COLOR: R-RED, O-ORANGE, G-GREEN, BL-BLUE, W-WHITE, B-BLACK  
 KEY FOR WIRE COLOR CODE



**TABLE OF OPERATIONS**

PHASE	FACE																	
	1	2	3	4	5	6	7	8	9	10	A1	A2	B1	B2	C1	C2	D1	D2
φ2 & φ6	G	G	G	G	R	R	R	R	BG	BG	W	W	DW	DW	W	W	DW	DW
φ4 & φ8	R	R	R	R	G	G	G	G	BR	BR	DW	DW	W	W	DW	DW	W	W

**DISPLAY**

12 INCH DIAMETER LENSES	R	R	R	R	R	R	R	R	R	BR	BR	HAND /MAN	HAND /MAN	HAND /MAN	HAND /MAN	HAND /MAN	HAND /MAN	HAND /MAN	HAND /MAN
	Y	Y	Y	Y	Y	Y	Y	Y	Y	BY	BY	/MAN	/MAN	/MAN	/MAN	/MAN	/MAN	/MAN	/MAN
	G	G	G	G	G	G	G	G	G	BG	BG	CDT	CDT	CDT	CDT	CDT	CDT	CDT	CDT

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EA PROJECT NO. 200204.00  
 PROJECT MANAGER P. WLODARCZYK  
 DRAWN BY H. LAGOE  
 SCALE AS SHOWN  
 ISSUE DATE 7/18/2025

P. WLODARCZYK  
 PROFESSIONAL ENGINEER

FISHER ASSOCIATES  
 WWW.FISHERASSOC.COM

PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY

TITLE OF DRAWING: TRAFFIC SIGNAL PLAN  
 MIDLAND AVENUE & BALLANTYNE ROAD

DRAWING NO. **TSP-07**

SHEET 58 OF 60

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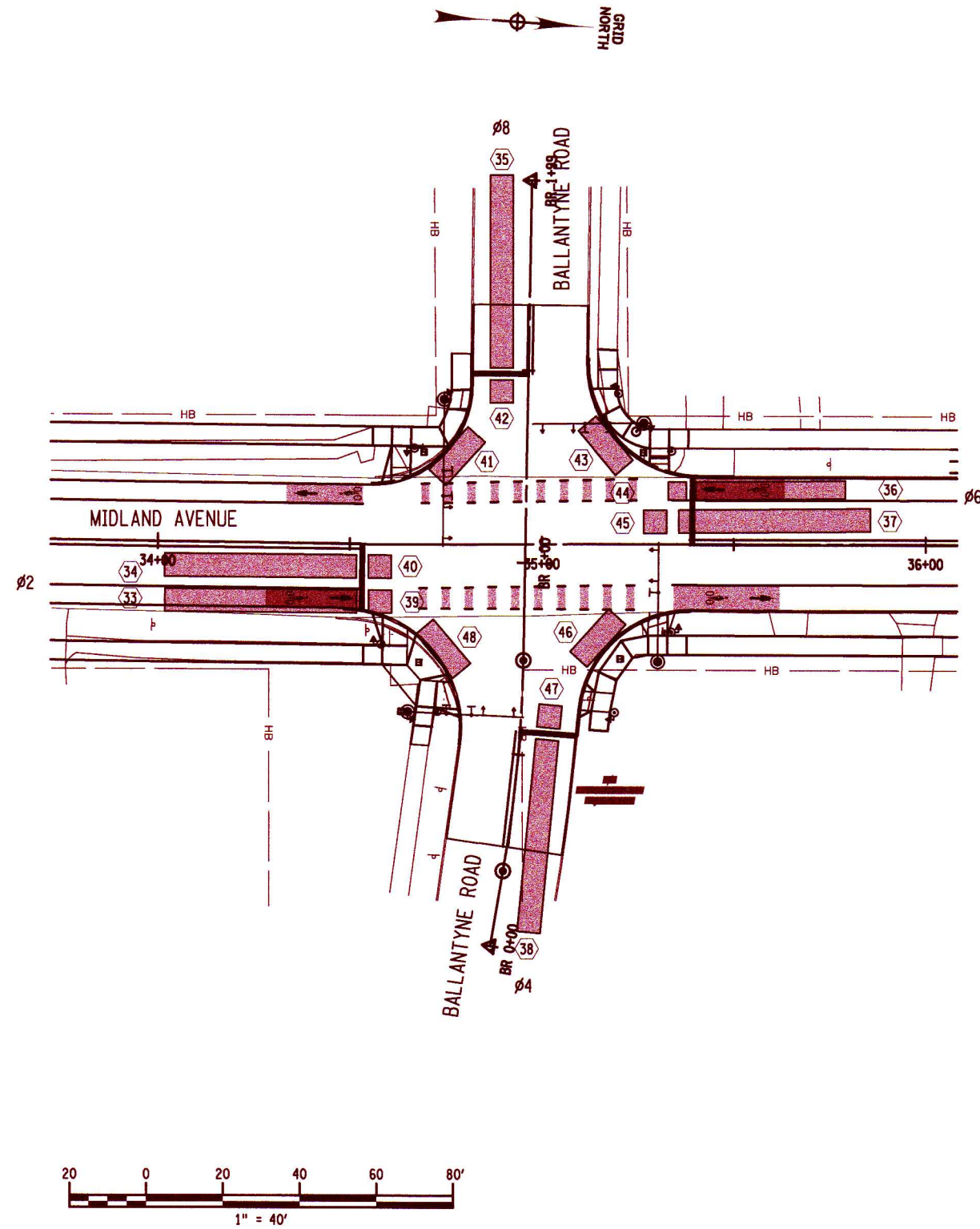


TABLE OF DETECTION INPUTS					
FUNCTION	DETECTION ZONE NUMBER	DETECTION ZONE SIZE	SDLC CHANNEL	REMARKS	
	Ø2	33	6' X 50'	33	MIDLAND AVE - NB - BIKE
	Ø2	34	6' X 50'	34	MIDLAND AVE - NB
	Ø8	35	6' X 50'	35	BALLANTYNE RD - EB
	Ø6	36	6' X 50'	36	MIDLAND AVE - SB - BIKE
	Ø6	37	6' X 50'	37	MIDLAND AVE - SB
	Ø4	38	6' X 50'	38	BALLANTYNE RD - WB
	Ø2	39	6' X 6'	39	MIDLAND AVE - NB - BIKE - COUNTS
	Ø2	40	6' X 6'	40	MIDLAND AVE - NB - VEHICLE COUNTS
	Ø8	41	6' X 15'	41	BALLANTYNE RD - EB RT - VEHICLE COUNTS
	Ø8	42	6' X 6'	42	BALLANTYNE RD - EB - VEHICLE COUNTS
	Ø6	43	6' X 15'	43	MIDLAND AVE - SB RT - VEHICLE COUNTS
	Ø6	44	6' X 6'	44	MIDLAND AVE - SB - BIKE - COUNTS
	Ø6	45	6' X 6'	45	MIDLAND AVE - SB - VEHICLE COUNTS
	Ø4	46	6' X 15'	46	BALLANTYNE RD - WB RT - VEHICLE COUNTS
	Ø4	47	6' X 6'	47	BALLANTYNE RD - WB - VEHICLE COUNTS
	Ø2	48	6' X 15'	48	MIDLAND AVE - NB RT - VEHICLE COUNTS
	UNUSED			49	
	UNUSED			50	
	UNUSED			51	
	UNUSED			52	
	UNUSED			53	
	UNUSED			54	
	UNUSED			55	
	UNUSED			56	
	UNUSED			57	
	UNUSED			58	
	UNUSED			59	
	UNUSED			60	
	UNUSED			61	
	UNUSED			62	
	UNUSED			63	
	UNUSED			64	
	UNUSED			65	

PROJECT: MIDLAND AVENUE 2R PAVING PROJECT  
 W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173)  
 CITY OF SYRACUSE  
 ONONDAGA COUNTY

TITLE OF DRAWING: VIDEO DETECTION PLAN  
 MIDLAND AVENUE & BALLANTYNE ROAD

DRAWING NO.: **TSP-08**  
 SHEET 59 OF 60

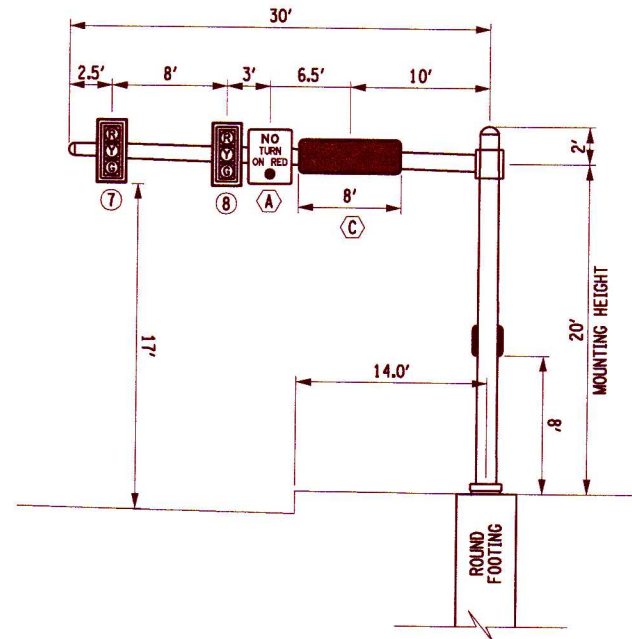
PROJECT NO.: 200204.00  
 PROJECT MANAGER: P. WLODARCZYK  
 DRAWN BY: H. LAGOE  
 SCALE: AS SHOWN  
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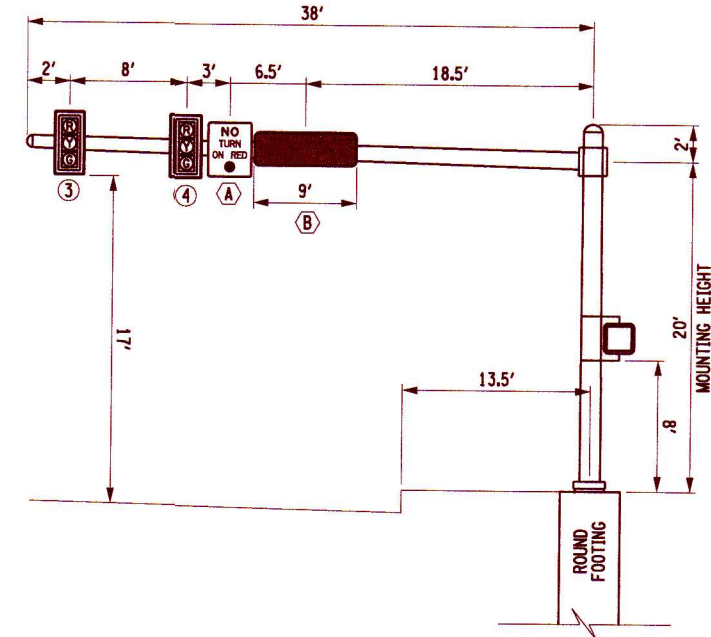
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ESTIMATE OF QUANTITIES				
ITEM NUMBER	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF	319	
206.05	TEST PIT EXCAVATION	EACH	4	
645.61	OVERHEAD SIGN PANELS	SF	91.5	
662.60010004	FURNISHING ELECTRICAL SERVICE	DC	100	
680.05010007	360 Degree Camera Video Detection System	EACH	1	
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	20.5	
680.50500005	REMOVE POLE FOUNDATIONS	LF	16	
680.510501	PULLBOX-RECTANGULAR, 26 X 18 INCH, REINFORCED CONCRETE	EACH	4	
680.51505011	ELECTRICAL PB	EACH	1	
680.520106	CONDUIT, METAL STEEL, ZINC COATED, 2"	LF	110	
680.520108	CONDUIT, METAL STEEL, ZINC COATED, 3"	LF	328	
680.520110	CONDUIT, METAL STEEL, ZINC COATED, 4"	LF	45	
680.560200 OD	EMERGENCY PRE-EMPTION SYSTEM - OPTICAL DETECTOR	EACH	1	
680.560300 OD	EMERGENCY PRE-EMPTION SYSTEM - PHASE SELECTOR	EACH	2	
680.560400 OD	EMERGENCY PRE-EMPTION SYSTEM - DETECTOR CABLE	LF	395	
680.622029	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 29 FEET ARM LENGTH	EACH	1	
680.622030	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 30 FEET ARM LENGTH	EACH	1	
680.622031	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 31 FEET ARM LENGTH	EACH	1	
680.622038	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 38 FEET ARM LENGTH	EACH	1	
680.6704	TRAFFIC SIGNAL POLE - POST TOP MOUNT 4 FEET MOUNTING HEIGHT	EACH	2	
680.6708	TRAFFIC SIGNAL POLE POST TOP MOUNT, 8 FEET MOUNTING HEIGHT	EACH	3	
680.6816	TRAFFIC SIGNAL POLE-BRACKET MOUNT 16 FEET MOUNTING HEIGHT	EACH	2	
680.700603	RISER ASSEMBLY, 1" DIAMETER	EACH	1	
680.730214	SIGNAL CABLE 2 CONDUCTORS, 14 AWG	LF	120	
680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG	LF	1490	
680.730714	SIGNAL CABLE 7 CONDUCTORS, 14 AWG	LF	2130	
680.79000205	REMOVE TRAFFIC SIGNAL INSTALLATION	ELOC	1	
680.79490010	REMOVE TRAFFIC SIGNAL PULLBOXES	EACH	3	
680.80370501	CONTROLLER AND CABINET 4 THROUGH 8 PHASE FULL TRAFFICACTUATED (NEMA)	EACH	1	
680.81000111	FURNISH AND INSTALL LED TRAFFIC SIGNAL MODULE 12 INCH RED BICYCLE	EACH	2	
680.81000211	FURNISH AND INSTALL LED TRAFFIC SIGNAL MODULE 12 INCH YELLOW BICYCLE	EACH	2	
680.81000311	FURNISH AND INSTALL LED TRAFFIC SIGNAL MODULE 12 INCH GREEN BICYCLE	EACH	2	
680.810101	TRAFFIC SIGNAL MODULE - 12 INCH, RED BALL, LED	EACH	8	
680.810103	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW BALL, LED	EACH	8	
680.810105	TRAFFIC SIGNAL MODULE - 12 INCH, GREEN BALL, LED	EACH	8	
680.810601	TRAFFIC SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EACH	30	
680.8111	TRAFFIC SIGNAL BRACKET ASSEMBLY-1 WAY	EACH	10	
680.813105	PEDESTRIAN SIGNAL MODULE - 12 INCH BI-MODAL, HAND/MAN SYMBOLS LED	EACH	8	
680.813106	PEDESTRIAN SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EACH	16	
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY	EACH	5	
680.8142	PEDESTRIAN SIGNAL POST TOP MOUNT ASSEMBLY	EACH	3	
680.815001	PEDESTRIAN SIGNAL MODULE - 12 INCH COUNTDOWN TIMER, LED	EACH	8	
680.8151	ACCESSIBLE PEDESTRIAN SIGNAL (APS) W/O POST	EACH	8	
680.81990003	TRAFFIC SIGNAL BACKPLATES WITH YELLOW REFLECTIVE TAPE	EACH	10	
680.8207	OVERHEAD SIGN ASSEMBLY, TYPE G	EACH	10	
680.8223	BREAKAWAY TRANSFORMER BASE	EACH	7	
680.90920001	ELECTRIC METER SOCKET, 100 AMPERES, SNG PHASE, 120 VOLTSFOR TRAF SIGNAL LIGHT CIRCUITS (NIAGARA MOHAWK POWER CO)	EACH	1	
680.9499	Install Electrical Disconnect/Generator Transfer Switch	EACH	1	
680.950106	ELECTRICAL SERVICE CABLE 1 WIRE 6 GAUGE	LF	300	



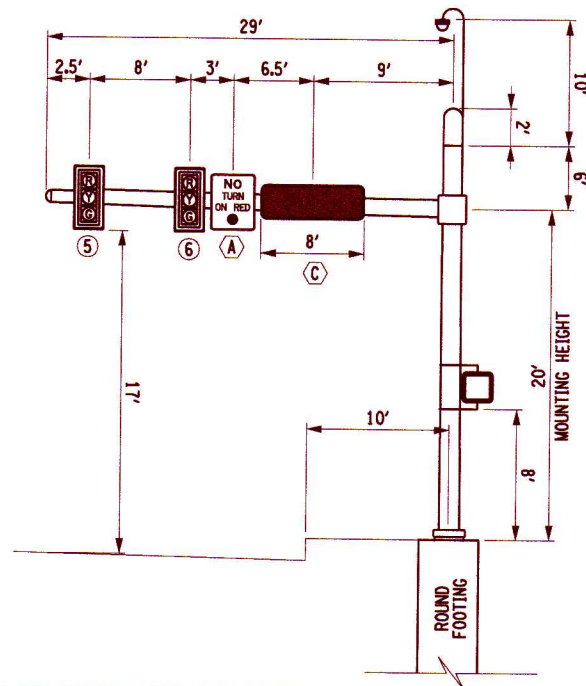
ITEM 680.622030 - MAST ARM TRAFFIC SIGNAL POLE 1, 20' MOUNT. HEIGHT, 30' ARM LOOKING EB ON BALLANTYNE RD

NOT TO SCALE



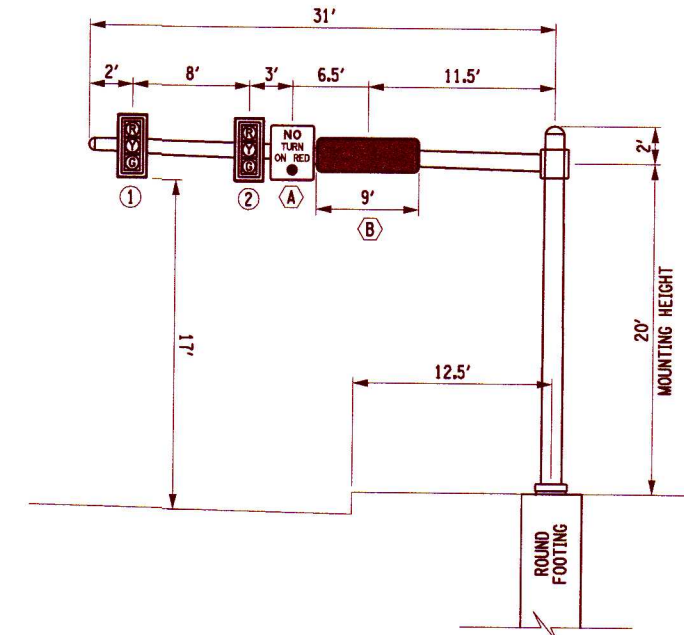
ITEM 680.622038 - MAST ARM TRAFFIC SIGNAL POLE 2, 20' MOUNT. HEIGHT, 38' ARM LOOKING SB ON MIDLAND AVE

NOT TO SCALE



ITEM 680.632029 MAST ARM TRAFFIC SIGNAL POLE 3, 20' MOUNT. HEIGHT, 29' ARM LOOKING WB ON BALLANTYNE AVE

NOT TO SCALE



ITEM 680.622031 - MAST ARM TRAFFIC SIGNAL POLE 4 20' MOUNT. HEIGHT, 31' ARM LOOKING NB ON MIDLAND AVE

NOT TO SCALE

MASTARM DIAGRAM

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PROJECT: MIDLAND AVENUE 2R PAVING PROJECT W. OSTRANDER AVENUE TO WEST SENECA STREET (NY 173) CITY OF SYRACUSE ONONDAGA COUNTY										
TITLE OF DRAWING: TRAFFIC SIGNAL PLAN MIDLAND AVENUE & BALLANTYNE ROAD										
DRAWING NO.: TSP-09										
SHEET 60 OF 60										
PROJECT NO.: 200204-00 PROJECT MANAGER: P. WLODARCZYK DRAWN BY: H. LAGOE SCALE: AS SHOWN ISSUE DATE: 7/18/2025										
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