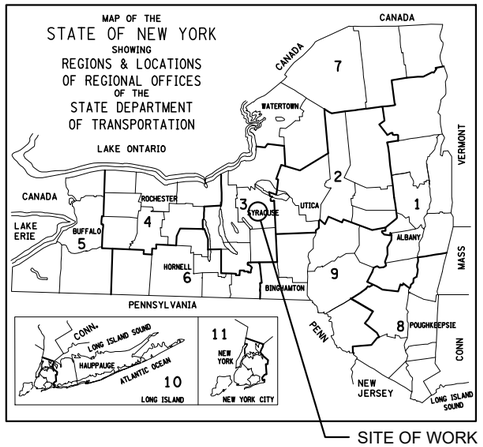
D040386



PROJECT LOCATION

THE PROJECT IS LOCATED ON EAST BRIGHTON AVENUE IN THE CITY OF SYRACUSE, ONONDAGA COUNTY. THE PROJECT EXTENDS FROM THURBER STREET SOUTH TO THE I-81 & I-481 INTERCHANGE. AFTER THE INTERCHANGE THE PROJECT CONTINUES SOUTH ON EAST BRIGHTON AVENUE FROM ROCK CUT ROAD TO EAST SENECA TURNPIKE, BEFORE CONTINUING SOUTHEAST ON EAST SENECA TURNPIKE (NYS ROUTE 173), ENDING AT THE SYRACUSE CITY LIMITS. A LENGTH OF APPROXIMATELY 6,336 FEET (1.2 MILES) IN TOTAL.

CONTRACTOR'S NAME _____

AWARD DATE _____

COMPLETION DATE _____

FINAL ACCEPTANCE DATE _____

CITY ENGINEER _____

RESIDENT ENGINEER _____

FINAL COST TOTAL _____

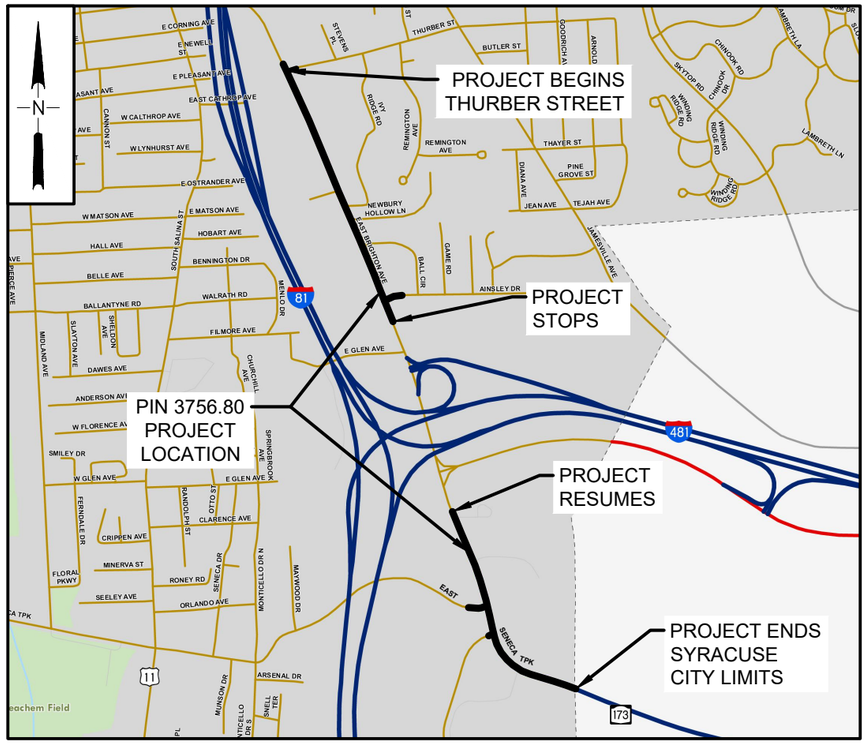
FISCAL SHARE	COST(S)
1	
2	

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
ONONDAGA COUNTY, NEW YORK

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

JANUARY 2025



PROJECT LOCATION MAP

NOT TO SCALE

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

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

CONTRACT PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH NYSDOT POLICIES AND GUIDE LINES AND THE FINAL DESIGN REPORT APPROVED ON 09/01/2023.

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.

MAINTENANCE RESPONSIBILITY

THE CITY OF SYRACUSE WILL BE RESPONSIBLE FOR MAINTENANCE OF THE ROADWAY CONSTRUCTED UNDER THIS CONTRACT.

PREPARED AND RECOMMENDED BY:

Douglas C. Stansbury 12/10/2024

DATE

C&S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
cscos.com

APPROVED BY: CITY OF SYRACUSE

Mary E. Robison 12/10/2024

MARY E. ROBISON, P.E. DATE
CITY ENGINEER

EAST BRIGHTON AVENUE 2R PAVING PROJECT		
THURBER STREET TO CITY LIMIT		
CITY OF SYRACUSE		
COUNTY: ONONDAGA		
FED. ROAD REG. NO.	STATE	SHEET NO.
1	N.Y.	1
CAPITAL PROJECT IDENTIFICATION NO.	3756.80	

INDEX ON SHEET NO. 2

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ALIGNMENT

ABBR.	DESCRIPTION
AH	AHEAD
AZ	AZIMUTH
BK	BACK
℄	BASELINE
BRG	BEARING
℄	CENTERLINE
CS	CURVE TO SPIRAL
e	SUPERELEVATION RATE (CROSS SLOPE)
EQ	EQUALITY
EXT	EXTERNAL
HCL	HORIZONTAL CONTROL LINE
HSD	HEADLIGHT SIGHT DISTANCE
L	LENGTH OF CIRCULAR CURVE
LS	LENGTH OF SPIRAL
LVC	LENGTH OF VERTICAL CURVE
E	CENTER CORRECTION OF VERTICAL CURVE
ℳ	MAIN LINE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
POL	POINT ON LINE
PSD	PASSING SIGHT DISTANCE
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS
SC	SPIRAL TO CURVE
SSD	STOPPING SIGHT DISTANCE
ST	SPIRAL TO TANGENT
STA	STATION
T	TANGENT LENGTH
TGL	THEORETICAL GRADE LINE
TS	TANGENT TO SPIRAL
VC	VERTICAL CURVE

TOPOGRAPHY (DRAINAGE)

ABBR.	DESCRIPTION
BB	BOTTOM OF BANK (STREAM)
BC	BOTTOM OF CURB
BO	BOTTOM OF OPENING
CAP	CORRUGATED ALUMINUM PIPE
CB	CATCH BASIN
CIP	CAST IRON PIPE
℄ STRM	CENTERLINE OF STREAM
CMP	CORRUGATED METAL PIPE
CP	CONCRETE PIPE
CSP	CORRUGATED STEEL PIPE
CULV	CULVERT
DIA	DIAMETER
DMH	DRAINAGE MANHOLE
DS	DRAINAGE STRUCTURE PIPE
D'XING	DITCH CROSSING
EHW	EXTREME HIGH WATER
EL	ELEVATION
ELEV	ELEVATION
ELW	EXTREME LOW WATER
ES	END SECTION
HW	HEADWALL
INV	INVERT
MH	MANHOLE
MHW	MEAN HIGH WATER
OHW	ORDINARY HIGH WATER
OLW	ORDINARY LOW WATER
RCP	REINFORCED CONCRETE PIPE
SICPP	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE
TB	TOP OF BANK (STREAM)
TC	TOP OF CURB
TG	TOP OF GRATE
VCP	VITRIFIED CLAY PIPE

TOPOGRAPHY (MISCELLANEOUS)

ABBR.	DESCRIPTION
ABUT	ABUTMENT
AOBE	AS ORDERED BY ENGINEER
ASPH	ASPHALT
BDY	BOUNDARY
BLDG	BUILDING
BM	BENCH MARK
CC	CENTER TO CENTER
CONC	CONCRETE
CONST	CONSTRUCTION
CR	COUNTY ROAD
D	DEED DISTANCE
DM	DIRECT MEASUREMENT
DWY	DRIVEWAY
EP	EDGE OF PAVEMENT
ES	EDGE OF SHOULDER
FEE	FEE ACQUISITION
FEE W/O/A	FEE ACQUISITION WITHOUT ACCESS
FP	FENCE POST
FD	FOUNDATION
FL	FENCE LINE
GAR	GARAGE
GR	GRAVEL
HO	HOUSE
HWY	HIGHWAY
IP	IRON PIN OR IRON PIPE
MB	MAILBOX
MON	MONUMENT
N&W	NAIL AND WASHER
OG	ORIGINAL GROUND
O/H	OVERHEAD
P	PARCEL
PAV'T	PAVEMENT
PE	PERMANENT EASEMENT
PED POLE	PEDESTRIAN POLE
ℙ	PROPERTY LINE
POR	PORCH
RR	RAILROAD
RTE	ROUTE
ROW	RIGHT OF WAY
RW	RETAINING WALL
SH	STATE HIGHWAY
SHLDR	SHOULDER
SPK	SPIKE
ST	STREET
STK	STAKE
STY	STORY
SW	SIDEWALK
TE	TEMPORARY EASEMENT
TO	TEMPORARY OCCUPANCY
U/G	UNDERGROUND
WW	WING WALL

UTILITIES

ABBR.	DESCRIPTION
E	ELECTRIC
EMH	ELECTRIC MANHOLE
G	GAS
GP	GUY POLE
GSB	GAS SERVICE BOX (HOUSE LINE)
GV	GAS VALVE (MAIN LINE)
HYD	HYDRANT
LP	LIGHT POLE
LPG	LOW PRESSURE GAS
PP	POWER POLE
SA	SANITARY SEWER
SMH	SANITARY MANHOLE
ST	STORM SEWER
T	TELEPHONE
TCB	TRAFFIC CONTROL BOX
TELBOX	TELEPHONE BOX
TEL P	TELEPHONE POLE
TMH	TELEPHONE MANHOLE
CTV	CABLE TELEVISION
W	WATER
WSB	WATER SERVICE BOX (HOUSE LINE)
WV	WATER VALVE (MAIN LINE)

SUBSURFACE EXPLORATION

ABBR.	DESCRIPTION
REPLACE ABBREVIATION "AB" WITH:	
AH	HAND AUGER
CP	CONE PENTROMETER
DA	2¼ INCHES CASED DRILL HOLE
DM	DRILLING MUD
DN	4 INCHES CASED DRILL HOLE
FH	HOLLOW FLIGHT AUGER
PA	POWER AUGER
PH	PROBE
PT	PERCOLATION TEST HOLE
RP	1 INCH SAMPLER (RETRACTABLE PLUG)
	TO BE DEFINED AT THE TIME OF EXPLORATION
SP	SEISMIC POINT
TP	TEST PIT
ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH:	
B	BRIDGE
C	CUT
D	DAM
F	FILL
K	CULVERT
W	WALL
X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE

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

INDEX — TOTAL NUMBER OF SHEETS 241

SHEET NUMBERS	DRAWING NO.	DESCRIPTION
1	COVER	TITLE SHEET
2	IND	LIST OF ABBREVIATIONS AND INDEX
3 - 4	LEG-01 TO LEG-02	LEGENDS
5 - 11	TYP-01 TO TYP-07	TYPICAL SECTIONS
12 - 13	GEN-01 TO GEN-02	GENERAL NOTES
14	TCN-01	TRAFFIC CONTROL NOTES
15 - 21	TCP-01 TO TCP-07	TRAFFIC CONTROL PLANS
22	BLT-01	BASELINE TIES AND BENCHMARKS
23 - 32	MST-01 TO MST-10	MISCELLANEOUS TABLES
33 - 35	DWT-01 TO DWT-03	DRIVEWAY TABLES
36 - 41	DRT-01 TO DRT-06	DRAINAGE TABLES
42 - 43	MSD-01 TO MSD-02	MISCELLANEOUS DETAILS
44 - 53	CRD-01 TO CRD-10	CURB RAMP DETAILS
54 - 56	DRD-01 TO DRD-03	DRAINAGE DETAILS
57	ESN-01	EROSION & SEDIMENT CONTROL NOTES
58 - 59	ESD-01 TO ESD-02	EROSION & SEDIMENT CONTROL DETAILS
60 - 86	ESP-01 TO ESP-27	EROSION & SEDIMENT CONTROL PLANS
87 - 113	PRP-01 TO PRP-27	PAVEMENT REPAIR PLANS
114 - 140	PLN-01 TO PLN-27	GENERAL PLANS
141 - 167	PRO-01 TO PRO-27	PROFILES
168 - 172	SPR-01 TO SPR-05	SIDEWALK PROFILES
173 - 174	TSN-01 TO TSN-02	TRAFFIC SIGNAL NOTES
175 - 191	TSP-01 TO TSP-17	TRAFFIC SIGNAL PLANS
192 - 193	LTG-01 TO LGT-02	LIGHTING TABLE AND DETAILS
194 - 196	SDS-01 TO SDS-03	SIGN TEXT DATA SHEETS
197	SRT-01	SIGN REMOVAL AND RELOCATION TABLES
198	PMD-01	PAVEMENT MARKING TABLE AND DETAILS
199 - 225	SPM-01 TO SPM-27	SIGN AND PAVEMENT MARKING PLANS
226 - 229	PLD-01 TO PLD-04	PLANTING SCHEDULE DETAILS AND PLANS
230 - 237	PLP-01 TO PLP-08	PLANTING PLANS
238 - 241	EST-01 TO EST-04	ESTIMATE OF QUANTITIES

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Syracuse New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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LIST OF ABBREVIATIONS AND INDEX

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ALIGNMENT

STYLE	NAME	DESCRIPTION
	AC	CONTROL (CENTERLINE)
	AD_P	DETOUR
	AT_P	TRANSITION CONTROL

BRIDGE

STYLE	NAME	DESCRIPTION
	BR	RAIL
	BSHT	SHEET PILING

CONTROL

STYLE	NAME	DESCRIPTION
	CB	BASELINE
	CBPR	BASELINE, PROJECTION

DRAINAGE

STYLE	NAME	DESCRIPTION
ST	DCP	CULVERT PIPE
ST	DCP_P	CULVERT PIPE (DIR)
	DDG_P	DITCH, GRASS LINED
	DDP_P	DITCH, PAVED INVERT
	DDS_P	DITCH, STONE LINED
	DFL_P	FLOW LINE
	DSSD	SLOTTED DRAIN
UD	DUD_P	UNDERDRAIN

ENVIRONMENTAL

STYLE	NAME	DESCRIPTION
	ECT	CURTAIN, TURBIDITY
	EDMC	DAM, COFFER
	EDMEC_P	DAM, EARTHEN CHECK
	EDMGSC_P	DAM, GRAVEL BAG/SAND BAG CHECK
	EDMPC_P	DAM, PREFABRICATED CHECK
	EDMSC_P	DAM, STONE CHECK
	EFNS	FENCE, SILT
x	EFNSV	FENCE, SILT & VEGETATION
x	EFNV	FENCE, VEGETATION
FL	ESFL	FILTER, SEDIMENT LOG
AA	EWAA_P	WETLAND, ADJACENT AREA
FW	EWF	WETLAND, FEDERAL
FW SW	EWFS	WETLAND, FEDERAL AND STATE
SW	EWM	WETLAND, MITIGATION AREA
SW	EWS	WETLAND, STATE

LANDSCAPE

STYLE	NAME	DESCRIPTION
	LABL	AREA, BRUSH LINE
	LAHR	AREA, HEDGE ROW
	LAPB	AREA, PLANTING BED
	LAWA	AREA, WOODED AREA OUTLINE
	LAWE	AREA, WATERS EDGE
	LCUT_P	CUT LIMIT
	LFILL_P	FILL LIMIT
	LFNC	FENCE
	LTRC	TREE ROW, CONIFEROUS
	LTRD	TREE ROW, DECIDUOUS
	LWH	WALL, H PILE
	LWR	WALL, RETAINING
	LWS	WALL, STONE

ROW MAPPING

STYLE	NAME	DESCRIPTION
	MDL	DEED LINE
PE	MEE	EASEMENT, EXISTING
PE	MEP_P	EASEMENT, PERMANENT
APE	MEPA_P	EASEMENT, PERMANENT, APPROX.
TE	MET_P	EASEMENT, TEMPORARY
ATE	META_P	EASEMENT. TEMPORARY, APPROX.
FEE	MF_P	FEE ACQUISITION, W/ ACCESS
AFEE	MFA_P	FEE ACQUISITION, APPROXIMATE
	MFS_P	FEE ACQUISITION, SHAPE
FEE W/OA	MFWOA_P	FEE ACQUISITION, W/O ACCESS
	MHA	HISTORICAL, ACQUISITION
HB	MHB	HIGHWAY BOUNDARY
AHB	MHBA	HIGHWAY BOUNDARY, APPROX.
	MHBW	HWY BOUNDARY, FACE OF WALL
HB W/OA	MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS
	MJC	JURISDICTION, CITY
	MJCY	JURISDICTION, COUNTY
	MJHD	JURISDICTION, HISTORIC DISTRICT
	MJLL	JURIS., (GREAT, MILITARY) LOT LINE
	MJN	JURISDICTION, NATION
	MJPB	JURISDICTION, PUBLIC LANDS
	MJS	JURISDICTION, STATE
	MJT	JURISDICTION, TOWN
	MJV	JURISDICTION, VILLAGE
	MPL	PROPERTY LOT LINE
	MPLA	PROPERTY LOT LINE, APPROXIMATE
	MSL	SUB LOT LINE

ROADWAY

STYLE	NAME	DESCRIPTION
CZ	RCZ_P	CLEAR ZONE
	RG	GUIDE RAIL, MISCELLANEOUS
	RGB	GUIDE RAIL, BOX BEAM
	RGBM	GUIDE RAIL, BOX BEAM, MEDIAN
	RGC	GUIDE RAIL, CABLE
	RGCB	GUIDE RAIL, CONCRETE BARRIER
	RGP_P	GUIDE POST
	RGW	GUIDE RAIL, W BEAM
	RGWM	GUIDE RAIL, W BEAM, MEDIAN
	RPB	PARKING BUMPER
	RRC	RAIL ROAD, CATENARY
	RRER	RAIL ROAD, 3RD RAIL
	RRPLS_P	RAIL, PHOTO, LARGE SCALE
	RRPSS	RAIL, PHOTO, SMALL SCALE
	RRS	RUMBLE STRIP
	RRSLS_P	RAIL, SURVEY, LARGE SCALE
	RRSSS	RAIL, SURVEY, SMALL SCALE

SIGNS

STYLE	NAME	DESCRIPTION
	SBLB	BILLBOARDS
	SM	MULTIPLE POST
	SSO	STRUCTURE, OVERHEAD
	SSOC	STRUCTURE, OVHD. CANTILEVER

STRIPING

STYLE	NAME	DESCRIPTION
	STB•	BROKEN LINE
	STDB•	DOUBLE BROKEN LINE
	STDL•	DOTTED LINE LONG
	STDS•	DOTTED LINE SHORT
	STFB•	FULL BARRIER LINE
	STH•	HATCH LINE
	STPB•	PARTIAL BARRIER LINE
	STRCT	ROUNDABOUT, CAT TRACKS
	STRYL	ROUNDABOUT, YIELD LINE
	STSB	STOP BAR
	STSE•	SOLID, EDGE
	STXL	X WALK, LADDER LINE
	STXLB	X WALK, LADDER BAR LINE

• = W (WHITE) OR Y (YELLOW)

TRAFFIC CONTROL

STYLE	NAME	DESCRIPTION
	TCSW	SIGNAL, SPAN WIRE

TRAFFIC WORK ZONE

STYLE	NAME	DESCRIPTION
	TWZBT_P	BARRIER, TEMPORARY
	TWZBTWL_P	BARRIER, TEMPORARY, W/ WARNING LIGHTS
	TWZCD_P	CHANNELIZING DEVICE
	TWZPMRC_P	PAVEMENT MARKING REMOVAL OR COVERING

UTILITIES

STYLE	NAME	DESCRIPTION
C	UC	CONDUIT, UNDERGROUND
]C[	UCH	CONDUIT, HANGING
OC	UCO	CONDUIT, OVERHEAD
E	UE	ELECTRIC LINE, UNDERGROUND
]E[	UEH	ELECTRIC LINE, HANGING
OE	UEO	ELECTRIC LINE, OVERHEAD
OET	UETO	ELECTRIC TRANSMISSION, OVERHEAD
	UESS	ELECTRIC, SUBSTATIONS
FO	UFO	FIBER OPTIC, UNDERGROUND
]FO[	UFOH	FIBER OPTIC, HANGING
OFO	UFOO	FIBER OPTIC, OVERHEAD
G	UG	GAS, UNDERGROUND
]G[	UGH	GAS, HANGING
OG	UGO	GAS, OVERHEAD
IC	UIC	INFORM CABLE, UNDERGROUND
]IC[	UICH	INFORM CABLE, HANGING
O	UO	OIL LINE, UNDERGROUND
]O[	UOH	OIL LINE, HANGING
	UPBP	POLE, BRACE, PUSH BRACE
	UPGW	POLE, GUY WIRE
SA	USA	SANITARY SEWER, UNDERGROUND
]SA[	USAH	SANITARY SEWER, HANGING
SAF	USAF	SANITARY SEWER, FORCE MAIN, UGND
]SAF[	USAFH	SANITARY SEWER, FORCE MAIN, HANG
T	UT	TELEPHONE, UNDERGROUND
]T[	UTH	TELEPHONE, HANGING
OT	UTO	TELEPHONE, OVERHEAD
CTV	UTV	CABLE TV, UNDERGROUND
]CTV[	UTVH	CABLE TV, HANGING
OCTV	UTVO	CABLE TV, OVERHEAD
UU	UUU	UNKNOWN, UNDERGROUND
]UU[	UUH	UNKNOWN, HANGING
OUU	UUO	UNKNOWN, OVERHEAD
W	UW	WATER LINE, UNDERGROUND
]W[	UWH	WATER LINE, HANGING
OW	UWO	WATER LINE, OVERHEAD

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.

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EAST BRIGHTON AVENUE
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THURBER STREET TO CITY LIMIT
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MARK	DATE	DESCRIPTION

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CHECKED BY:	DOS

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LEGEND LINES

LEG-01

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ALIGNMENT

CELL	NAME	DESCRIPTION
	ACC	CENTER OF CURVATURE
	ACOGO	COGO
	ACS	CURVE TO SPIRAL
	ADPI_P	DETOUR, POINT OF INTERSECT.
	ADPL_P	DETOUR, POINT ON LINE
	AEQN	EQUATION
	AEQNAHD	EQUATION AHEAD
	AEQNBK	EQUATION BACK
	AEVT	EVENT STATION
	APC	POINT OF CURVATURE
	APCC	POINT OF COMPOUND CURVATURE
	API	POINT OF INTERSECTION
	APOB	POINT OF BEGINNING
	APOC	POINT OF CURVATURE
	APOE	POINT OF END
	APOL	POINT ON LINE
	APOS	POINT ON SPIRAL
	APOT	POINT ON TANGENT
	APOVC	POINT ON VERTICAL CURVE
	APOVT	POINT ON VERTICAL TANGENT
	APORC	POINT ON REVERSE CURVE
	APT	POINT OF TANGENCY
	APVC	POINT OF VERTICAL CURVATURE
	APVCC	POINT OF VERT. CMPND CURVE
	APVI	POINT OF VERT. INTERSECTION
	APVRC	POINT OF VERT. REVERSE CURVE
	APVT	POINT OF VERTICAL TANGENCY
	ASC	SPIRAL TO CURVE
	ASPI	SPIRAL POINT OF INTERSECTION
	ASTS	SPIRAL TO SPIRAL
	AST	SPIRAL TO TANGENT
	ATS	TANGENT TO SPIRAL
	AVEVT	VERTICAL EVENT POINT
	AVHIGH	VERTICAL HIGH POINT
	AVLOW	VERTICAL LOW POINT

BRIDGE

	BSC	BRIDGE, SCUPPER

CONTROL

	CBP	BASELINE, POINT
	CBPOL	BASELINE, POINT ON LINE
	CBSP	BASELINE, SPUR POINT
	CBTP	BASELINE, TIE POINT
	CPBM	BENCHMARK
	CPH	POINT, HORIZ. PHOTOGRAMMETRY
	CPSM	POINT, SURVEY MARKER, PERM.
	CPSV	POINT, VERT., PHOTOGRAMMETRY

DRAINAGE

CELL	NAME	DESCRIPTION
	DINV	INVERT
	DS	STRUCTURE, RECTANGULAR
	DSI	STRUCTURE, INVERT
	DSM	STRUCTURE, MANHOLE
	DSMTXX_P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96
	DSR	STRUCTURE, ROUND
	DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R
	DST"X"_P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U

ENVIRONMENTAL

CULV	EIOP_P	STR., INLET, OUTLET PROT.
GB	EIPGB_P	STR., INLET PROT., GRAVEL BAG
FL	EIPEFL_P	STR., INLET PROT., FILTER LOG
PRFB	EIPP_P	STR., INLET PROT., PREFAB.
SF	EIPSF_P	STR., INLET PROT., SILT FENCE
	ERCB	RISER, CONCRETE BOX
	ETRS_P	TRAP, SEDIMENT
	EWFG	WETLAND FLAG

GEOTECHNICAL

	GDH	DRILL HOLE

LANDSCAPE

	LELS	ELEVATION, SPOT
	LFP	FLAG POLE
	LMB	MAILBOX
	LPB	PAPER BOX
	LPST	POST, SINGLE
	LRB	ROCK, BOULDER
	LSHC	SHRUB, CONIFEROUS
	LSHD	SHRUB, DECIDUOUS
	LTC	TREE, CONIFEROUS
	LTD	TREE, DECIDUOUS
	LTS	TREE, STUMP
	LTW_P	TREE, WELL OR WALL
	LUKP	UNKNOWN POINT

ITS

CELL	NAME	DESCRIPTION
	IANT_P	ANTENNAS
AID	IASCTS	ACCOU. SPEED/COUNT SNSR.S
P	ICABPAD	CABINET & PAD
	ICCTV	CCTV SITE
CDPD	ICDPD	CDPD TRANSCEIVER
	ICELLT	CELL PHONE TOWER
	ICJB	CONDUIT JACK OR BORING
	ICNTLCAB	CONTROLLER CABINET
C	ICPB	COMMUNICATION PULL BOX
	ICTD	CONDUIT TURNING DOWN
	ICTU	CONDUIT TURNING UP
	ICVTRT	COMM. VEH. ROAD TRANSCEIVER
	IDEFAULT	DEFAULT
EZ	IEZR	E-ZPASS READER
EZ-T	IEZTR	TRANSMITTAL READER
XC	IFOXCAB	FIBER OPTIC X-CONNECT CABINET
	IFUSSPL	FUSION SPLICE
	IHARADV	HAR ADVISORY SIGN
	IHARST	HAR SITE
LC	ILC	LOAD CENTER
	IMECSPL	MECHANICAL SPLICE
PM	IMSCS	PORT. SPEED & COUNT SENSOR
M	IMSCTS	MICRO SPEED & COUNT SENSOR
M	IMT	MICROWAVE TRANSCEIVER
VMS	IOVHVMS	PERM. OVERHEAD VMS
PA	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR
	IPEDS	PEDESTRIAN SIGNAL HEAD
	IPSS	PAVEMENT SURFACE SENSOR
PVMS	IPVMS	PERM. VMS
RM	IRM	RAMP METER
RWIS	IRWIS	RDWY WEATHER INFO. SENSOR
	ISP	SOLAR PANEL
SS	ISST	SPREAD SPECT. TRANSCEIVER
TC	ITDB	TELEPHONE DEMARCATION BLK
TP	ITP	SUBSURFACE TEMP. PROBE
	IVTRT	VEHICLE TO RDWY TRANSCEIVER
WIM	IWIMD	WEIGHT IN MOTION DETECTOR
WVR	IWVR	WIRELESS VIDEO REPEATER
V	IWVRC	WIRELESS VIDEO RECEIVER
V	IWVTT	WIRELESS VIDEO TRANSMITTER

ROW MAPPING

CELL	NAME	DESCRIPTION
	MDL1P	DEED LINE, TYPE 1
	MDL2P	DEED LINE, TYPE 2
	MDL3P	DEED LINE, TYPE 3
	MDL4P	DEED LINE, TYPE 4
	MDL5P	DEED LINE, TYPE 5
	MEEP	EASEMENT, EXISTING
A	MEPAP_P	EASEMENT, PERM., APPROX.
	MEPP_P	EASEMENT, PERM., BACK LINE
	MEPSP_P	EASEMENT, PERM., SHAPE
	MFAP_P	FEE ACQUISITION, APPROX.
	MFP_P	FEE ACQUISITION, BACK LINE
	MFSP_P	FEE ACQUISITION, SHAPE
	MHBAP	HIGHWAY BNDRY., APPROX.
	MHBCP	HISTORICAL, BLDG. CORNERS
	MHBP	HIGHWAY BNDRY, PT.
	MJCP	PT., JURIS. CITY
	MPBC	PT., BUILDING CORNER
	MPCC	PT., CROSS CUT
	MPDH	PT., DRILL HOLE
	MPF	PT., FENCE LOCATION
	MPIP	PT., IRON PIPE
	MPIR	PT., IRON ROD
	MPM	PT., MONUMENT
	MPMM	PT., MONUMENT, MISC.
	MPN	PT., NAIL
	MPRS	PT., RAILROAD SPIKE
	MPSP	PT., SPIKE
	MPST	PT., STAKE
	MPTW	PT., TREE W/ WIRE
	MPWL	PT., WALL LOCATION

ROW ACQUISITION

M1 P1 FEE	MFS_P_T	FEE ACQUISITION
M1 P1 PE	MEPS_P_T	EASEMENT, PERMANENT
M1 P1 TE	METS_P_T	EASEMENT, TEMPORARY
M1 P1 TO	METS_P_T	OCCUPANCY, TEMPORARY
M1 P1 FEE W/O A	MFS_P_T	FEE ACQUISITION W/O ACCESS

ROADWAY

	RES_P	ELEVATION, SPOT
	RGA	GUIDE RAIL, ANCHOR
	RGP	GUIDE POST, SINGLE

SIGNS

CELL	NAME	DESCRIPTION
	S	SINGLE POST
	S_P	SINGLE POST, PROPOSED
	SB_P	BACK TO BACK, PROPOSED
	SDEL	DELINEATORS
	SPM	PARKING METER
RFM	SRM	REFERENCE MARKERS
	SRSC3	SHLD, CTY, 123 DIG.
	SRSC4	SHLD, CTY, 4 DIG.
	SRSCT2	SHLD, CTY TOUR, 1-2 DIG.
	SRSCT4	SHLD, CTY TOUR, 3-4 DIG.
	SRSI	SHLD, INTERSTATE
	SRSN2	SHLD, NATIONAL, 2 DIG.
	SRSN3	SHLD, NATIONAL, 3 DIG.
	SRSS2	SHLD, STATE, 2 DIG.
	SRSS3	SHLD, STATE, 3 DIG.
	SRSS4	SHLD, STATE, 4 DIG.

TRAFFIC CONTROL

	TCBJ	BOX, JUNCTION
	TCBP	BOX, PULL BOX
	TCBS	BOX, SPLICE
	TCMC	MICROCOMPUTER CABINET
	TCPP	PED POLE
	TCSH	SIGNAL HEADS
	TCSP	SIGNAL POLE

TRAFFIC WORK ZONE

	TWZAP_P	ARROW PANEL
	TWZAPC_P	ARROW PANEL, CAUTION MODE
	TWZAPT_P	ARROW PANEL, TRAILER OR SUPPORT
	TWZBCD_P	BARRICADE (TYPE III)
	TWZCMS_P	CHANGEABLE MESSAGE SIGN (PVMS)
	TWZFLG_P	FLAGGER
	TWZFT_P	FLAG TREE
	TWZIA_P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	TWZLUM_P	LUMINAIRE (TEMPORARY)
	TWZSDT_P	SYMBOL, DIRECTION OF TRAFFIC
	TWZSDTD_P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR
	TWZSGN_P	SIGN (TEMPORARY)
	TWZSIG_P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)
	TWZWL_P	WARNING LIGHT
	TWZWV_P	WORK VEHICLE
	TWZWVA_P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR

UTILITIES

CELL	NAME	DESCRIPTION
E	UEB	ELECTRIC, BOX
E	UEM	ELECTRIC, METER
E	UEMH	ELECTRIC, MANHOLE
E	UEPT	ELECTRIC, POLE, TRANS.
G	UGM	GAS, METER
G	UGMH	GAS, MANHOLE
	UGLM	GAS, LINE MARKER
FP	UGP	GAS/FUEL PUMP
	UGV	GAS, VALVE
GV	UGVT	GAS, VENT
	ULP	LIGHTING, POLE
	ULPM	LIGHTING, POLE, MEDIAN
	ULPP	LIGHTING, POLE, PED.
	UMFC	MISC. FILLER CAP
	UOLM	OIL, LINE MARKER
	UP	POLE, WITH UTILITY
	UPD	POLE, DEAD (NO UTILITY)
	UPL	POLE, WITH LIGHT
S	USMH	SANITARY SEWER MANHOLE
P	UTB	TELEPHONE, BOOTH
	UTLM	TELEPHONE, LINE MARKER
T	UTMH	TELEPHONE, MANHOLE
	UTVLM	CABLE TV, LINE MARKER
TV	UTVPB	CABLE TV, PULL BOX
	UUB	UNKNOWN, BOX
	UUJB	UNKNOWN, JUNCTION BOX
	UUMH	UNKNOWN, MANHOLE
	UUPB	UNKNOWN, PULL BOX
	UUVL	UNKNOWN, VALVE
	UUVT	UNKNOWN, VENT
W	UUW	UNKNOWN, WELL
	UWFH	WATER, FIRE HYDRANT
W	UWM	WATER, METER
W	UWMH	WATER, MANHOLE
	UWV	WATER, VALVE
W	UWW	WATER, WELL

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.

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EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80
D040386

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

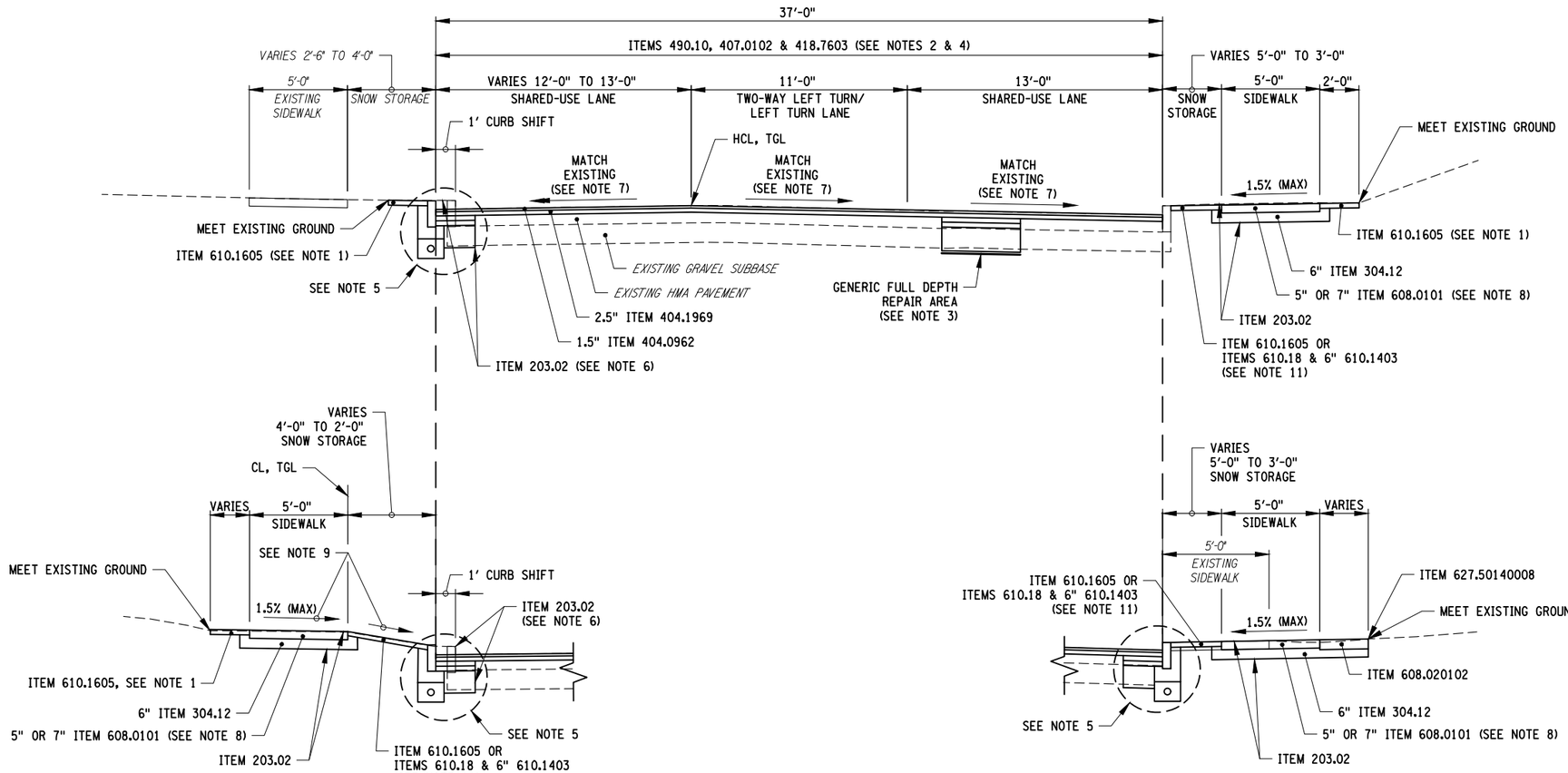
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LEGEND POINTS

LEG-02

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SIDEWALK AND CURB REPLACEMENT
SEE NOTES 1 , 5 & 9

SIDEWALK RELOCATION AND CURB REPLACEMENT
SEE NOTES 1 & 5

HCL STA 10+23 TO 36+46

EAST BRIGHTON AVENUE
TWO-COURSE MILL & OVERLAY

NOT TO SCALE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	CY
304.12	SUBBASE COURSE, TYPE 2	CY
404.0962	9.5 F2 TOP COURSE WMA, 60 SERIES COMPACTION	TON
404.1969	19 F9 BINDER COURSE WMA, 60 SERIES COMPACTION	TON
407.0102	DILUTED TACK COAT	GAL
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
490.10	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE	SY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.020102	HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS, AND VEGETATION CONTROL STRIPS	TON
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY
627.50140008	CUTTING PAVEMENT	LF

NOTES

1. RESTORATION OF DISTURBED AREAS BEHIND NEW CURB AND SIDEWALK SHALL BE AS FOLLOWS:
   - LAWN AREAS: USE ITEM 610.1605 WITH 4" OF TOPSOIL (2' WIDTH OR AOBE)
   - ASPHALT DRIVEWAYS: SEE HMA DRIVEWAY DETAIL ON DWG MSD-02. SEE PLN DWGS AND DRIVEWAY TABLE ON DWG DWT-01 TO 03 FOR REPLACEMENT LOCATIONS AND LIMITS.
   - CONCRETE SIDEWALKS AND DRIVEWAY APRONS: SEE CONCRETE SIDEWALK AND DRIVEWAY DETAIL ON DWG MSD-02. SEE PLN DWGS AND CONCRETE SIDEWALK TABLE ON DWG MST-05 TO 06 FOR REPLACEMENT LOCATIONS AND LIMITS.
2. DILUTED TACK COAT (ITEM 407.0102) SHALL BE USED ON MILLED SURFACES, EXISTING WMA PAVEMENT AND BETWEEN ALL LIFTS OF NEW WMA PAVEMENT AS WELL AS ON VERTICAL FACES FOR ALL WMA COURSES EXCEPT THE WMA TOP COURSE. ASPHALT PAVEMENT JOINT ADHESIVE (ITEM 418.7603) SHALL BE USED ON VERTICAL FACES FOR ALL JOINTS IN THE WMA TOP COURSE, INCLUDING CURBS AND DRAINAGE STRUCTURES.
3. SEE PRP DWGS FOR LOCATIONS OF FULL DEPTH PAVEMENT REPAIRS AND DETAIL ON DWG MSD-01.
4. MILL EXISTING PAVEMENT TO A DEPTH OF 4".
5. SEE DWG MSD-01 FOR TYPICAL GRANITE CURB RESET OR REPLACEMENT WITH UNDERDRAIN INSTALLATION DETAIL. SEE DWG MST-03 TO MST-04 FOR NEW CURB AND ISOLATED REPLACEMENT LOCATIONS.
6. REMOVE AND DISPOSE OF EXISTING CURB, UNDERDRAIN, UNDERDRAIN FILTER AND SUBBASE AS REQUIRED TO WIDEN ROAD. COST TO BE INCLUDED UNDER ITEM 203.02.
7. SEE PRO DWGS FOR ROADWAY PROFILE AND BANKING DIAGRAMS.
8. CONCRETE SIDEWALKS SHALL HAVE A THICKNESS OF 5" EXCEPT AT DRIVEWAYS AND AREAS ADJACENT TO INTERSECTION CORNER RADII IT SHALL HAVE A THICKNESS OF 7".
9. SIDEWALK AND SNOW STORAGE CROSS SLOPE VARIES. SEE SIDEWALK A & B PROFILES ON DWGS PRO-28 TO PRO-32. REMAINING SIDEWALKS SHOULD HAVE A SNOW STORAGE CROSS SLOPE OF 1.5%.
10. SEED MIX FOR ITEM 610.1605 - TURF ESTABLISHMENT PERFORMANCE SHALL BE LAWN SEED. A MINIMUM OF 4" OF TOPSOIL SHALL BE PLACE AND THE COST SHALL BE INCLUDED UNDER THE ITEM 610.1605.
11. ESTABLISHING TURF IN SNOW STORAGE AREAS WITH A WIDTH LESS THAN OR EQUAL TO 3 FT. SHALL USE ITEMS 610.18 (SODDING) AND 6" ITEM 610.1403 (TOPSOIL - LAWNS) TO ESTABLISH TURF.

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1/9/2025

STATE OF NEW YORK · DOUGLAS OWEN STRAUSS · LICENSED PROFESSIONAL ENGINEER · NO. 073787

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	LJM
DESIGNED BY:	DJB
CHECKED BY:	DOS

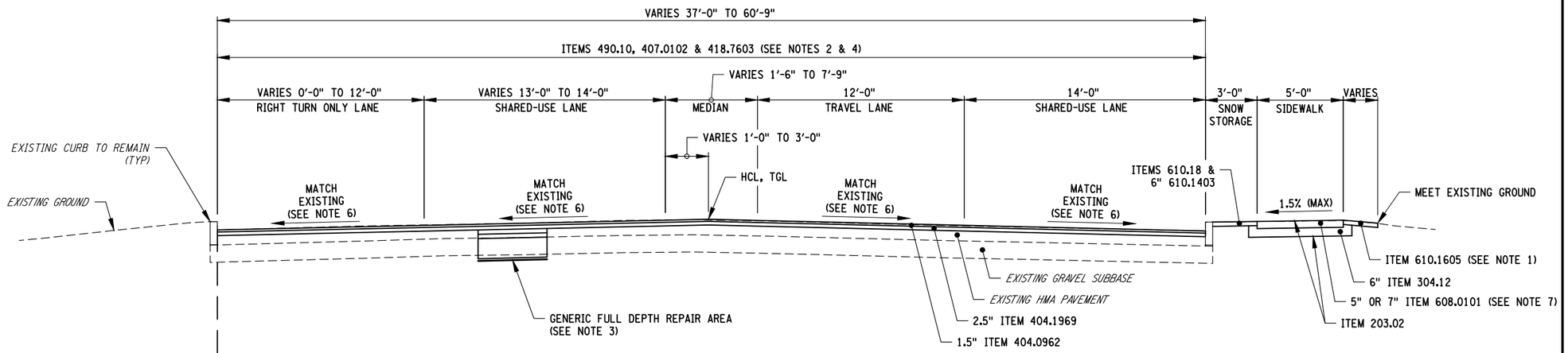
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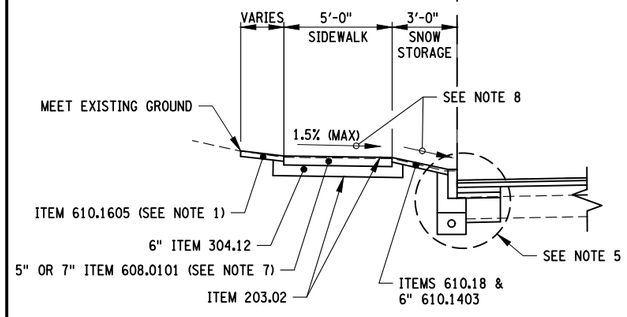
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SIDEWALK AND CURB REPLACEMENT
SEE NOTES 1, 5 & 8

HCL STA 36+46 TO 39+96

EAST BRIGHTON AVENUE
TWO-COURSE MILL & OVERLAY

NOT TO SCALE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	CY
304.12	SUBBASE COURSE, TYPE 2	CY
404.0962	9.5 F2 TOP COURSE WMA, 60 SERIES COMPACTION	TON
404.1969	19 F9 BINDER COURSE WMA, 60 SERIES COMPACTION	TON
407.0102	DILUTED TACK COAT	GAL
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
490.10	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE	SY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

NOTES

1. RESTORATION OF DISTURBED AREAS BEHIND NEW CURB AND SIDEWALK SHALL BE AS FOLLOWS:
   - LAWN AREAS: USE ITEM 610.1605 WITH 4" OF TOPSOIL (2' WIDTH OR AOBE)
   - ASPHALT DRIVEWAYS: SEE HMA DRIVEWAY DETAIL ON DWG MSD-02. SEE PLN DWGS AND DRIVEWAY TABLE ON DWG DWT-01 TO 03 FOR REPLACEMENT LOCATIONS AND LIMITS.
   - CONCRETE SIDEWALKS AND DRIVEWAY APRONS: SEE CONCRETE SIDEWALK AND DRIVEWAY DETAIL ON DWG MSD-02. SEE PLN DWGS AND CONCRETE SIDEWALK TABLE ON DWG MST-05 TO 06 FOR REPLACEMENT LOCATIONS AND LIMITS.
2. DILUTED TACK COAT (ITEM 407.0102) SHALL BE USED ON MILLED SURFACES, EXISTING WMA PAVEMENT AND BETWEEN ALL LIFTS OF NEW WMA PAVEMENT AS WELL AS ON VERTICAL FACES FOR ALL WMA COURSES EXCEPT THE WMA TOP COURSE. ASPHALT PAVEMENT JOINT ADHESIVE (ITEM 418.7603) SHALL BE USED ON VERTICAL FACES FOR ALL JOINTS IN THE WMA TOP COURSE, INCLUDING CURBS AND DRAINAGE STRUCTURES.
3. SEE PRP DWGS FOR LOCATIONS OF FULL DEPTH PAVEMENT REPAIRS AND DETAIL ON DWG MSD-01.
4. MILL EXISTING PAVEMENT TO A DEPTH OF 4".
5. SEE DWG MSD-01 FOR TYPICAL GRANITE CURB RESET OR REPLACEMENT WITH UNDERDRAIN INSTALLATION DETAIL. SEE DWG MST-03 TO MST-04 FOR NEW CURB AND ISOLATED REPLACEMENT LOCATIONS.
6. SEE PRO DWGS FOR ROADWAY PROFILE AND BANKING DIAGRAMS.
7. CONCRETE SIDEWALKS SHALL HAVE A THICKNESS OF 5" EXCEPT AT DRIVEWAYS AND AREAS ADJACENT TO INTERSECTION CORNER RADII IT SHALL HAVE A THICKNESS OF 7".
8. SIDEWALK AND SNOW STORAGE CROSS SLOPE VARIES. SEE SIDEWALK A & B PROFILES ON DWGS PRO-28 TO PRO-32. REMAINING SIDEWALKS SHOULD HAVE A SNOW STORAGE CROSS SLOPE OF 1.5%.
9. SEED MIX FOR ITEM 610.1605 - TURF ESTABLISHMENT PERFORMANCE SHALL BE LAWN SEED. A MINIMUM OF 4" OF TOPSOIL SHALL BE PLACE AND THE COST SHALL BE INCLUDED UNDER THE ITEM 610.1605.

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1/9/2025

STATE OF NEW YORK · DOUGLAS OWEN STRAUSER · LICENSED PROFESSIONAL ENGINEER · NO. 073267

Syracuse New York

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

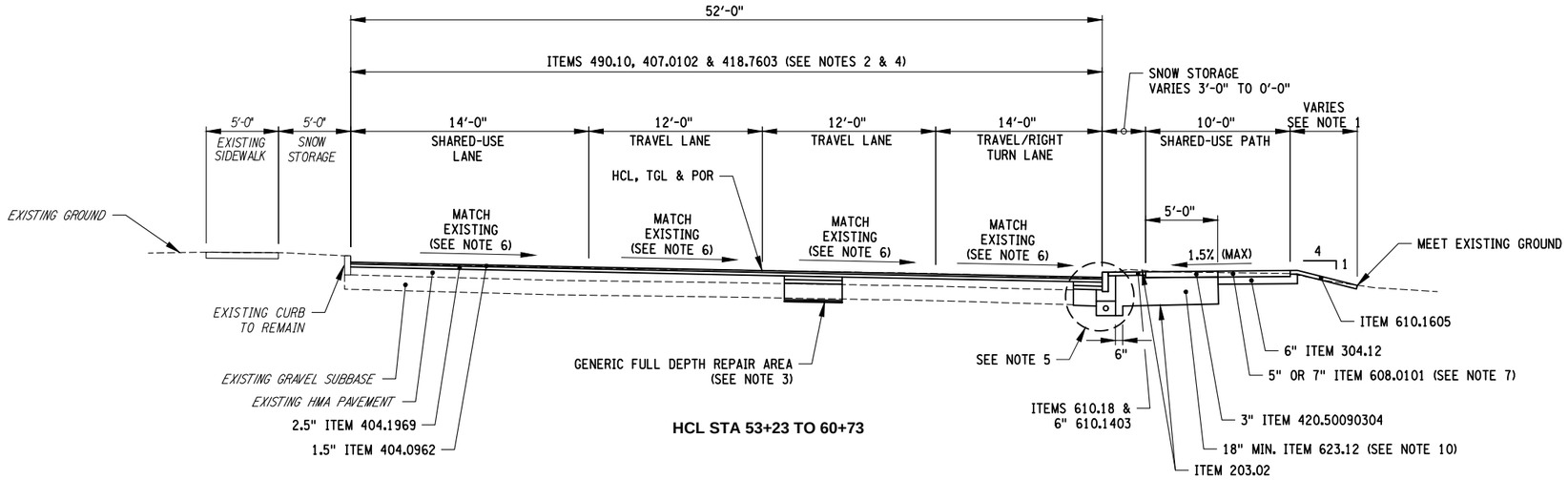
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TYPICAL SECTION

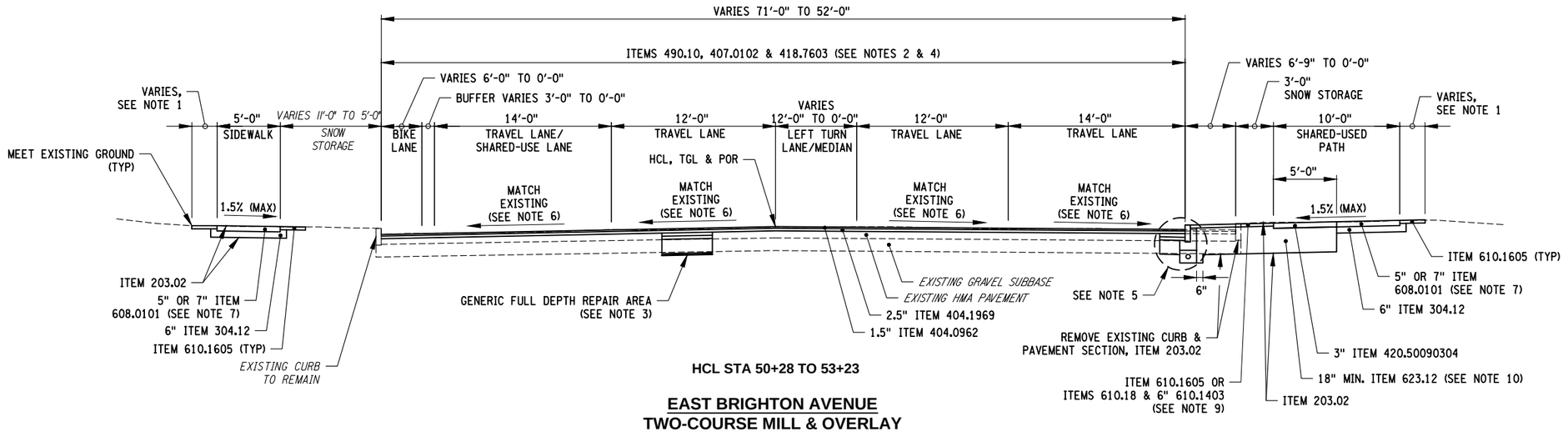
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HCL STA 53+23 TO 60+73



HCL STA 50+28 TO 53+23

EAST BRIGHTON AVENUE
TWO-COURSE MILL & OVERLAY

NOT TO SCALE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	CY
304.12	SUBBASE COURSE, TYPE 2	CY
404.0962	9.5 F2 TOP COURSE WMA, 60 SERIES COMPACTION	TON
404.1969	19 F9 BINDER COURSE WMA, 60 SERIES COMPACTION	TON
407.0102	DILUTED TACK COAT	GAL
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
420.50090304	TOP COURSE POROUS ASPHALT PAVEMENT F9	TON
490.10	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE	SY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY
623.12	CRUSHED STONE (IN-PLACE MEASURE)	CY

NOTES

1. RESTORATION OF DISTURBED AREAS BEHIND NEW CURB AND SIDEWALK SHALL BE AS FOLLOWS:
   - LAWN AREAS: USE ITEM 610.1605 WITH 4" OF TOPSOIL (2' WIDTH OR AOBE)
   - ASPHALT DRIVEWAYS: SEE HMA DRIVEWAY DETAIL ON DWG MSD-02. SEE PLN DWGS AND DRIVEWAY TABLE ON DWG DWT-01 TO 03 FOR REPLACEMENT LOCATIONS AND LIMITS.
   - CONCRETE SIDEWALKS AND DRIVEWAY APRONS: SEE CONCRETE SIDEWALK AND DRIVEWAY DETAIL ON DWG MSD-02. SEE PLN DWGS AND CONCRETE SIDEWALK TABLE ON DWG MST-05 TO 06 FOR REPLACEMENT LOCATIONS AND LIMITS.
2. DILUTED TACK COAT (ITEM 407.0102) SHALL BE USED ON MILLED SURFACES, EXISTING WMA PAVEMENT AND BETWEEN ALL LIFTS OF NEW WMA PAVEMENT AS WELL AS ON VERTICAL FACES FOR ALL WMA COURSES EXCEPT THE WMA TOP COURSE. ASPHALT PAVEMENT JOINT ADHESIVE (ITEM 418.7603) SHALL BE USED ON VERTICAL FACES FOR ALL JOINTS IN THE WMA TOP COURSE, INCLUDING CURBS AND DRAINAGE STRUCTURES.
3. SEE PRP DWGS FOR LOCATIONS OF FULL DEPTH PAVEMENT REPAIRS AND DETAIL ON DWG MSD-01.
4. MILL EXISTING PAVEMENT TO A DEPTH OF 4".
5. SEE DWG MSD-01 FOR TYPICAL GRANITE CURB RESET OR REPLACEMENT WITH UNDERDRAIN INSTALLATION DETAIL. SEE DWG MST-03 TO MST-04 FOR NEW CURB AND ISOLATED REPLACEMENT LOCATIONS.
6. SEE PRO DWGS FOR ROADWAY PROFILE AND BANKING DIAGRAMS.
7. CONCRETE SIDEWALKS SHALL HAVE A THICKNESS OF 5" EXCEPT AT DRIVEWAYS AND AREAS ADJACENT TO INTERSECTION CORNER RADII IT SHALL HAVE A THICKNESS OF 7".
8. SEED MIX FOR ITEM 610.1605 - TURF ESTABLISHMENT PERFORMANCE SHALL BE LAWN SEED. A MINIMUM OF 4" OF TOPSOIL SHALL BE PLACE AND THE COST SHALL BE INCLUDED UNDER THE ITEM 610.1605.
9. ESTABLISHING TURF IN SNOW STORAGE AREAS WITH A WIDTH LESS THAN OR EQUAL TO 3 FT. SHALL USE ITEMS 610.18 (SODDING) AND 6" ITEM 610.1403 (TOPSOIL - LAWNS) TO ESTABLISH TURF.
10. CRUSHED STONE (IN-PLACE MEASURE) SHALL BE #2 STONE.

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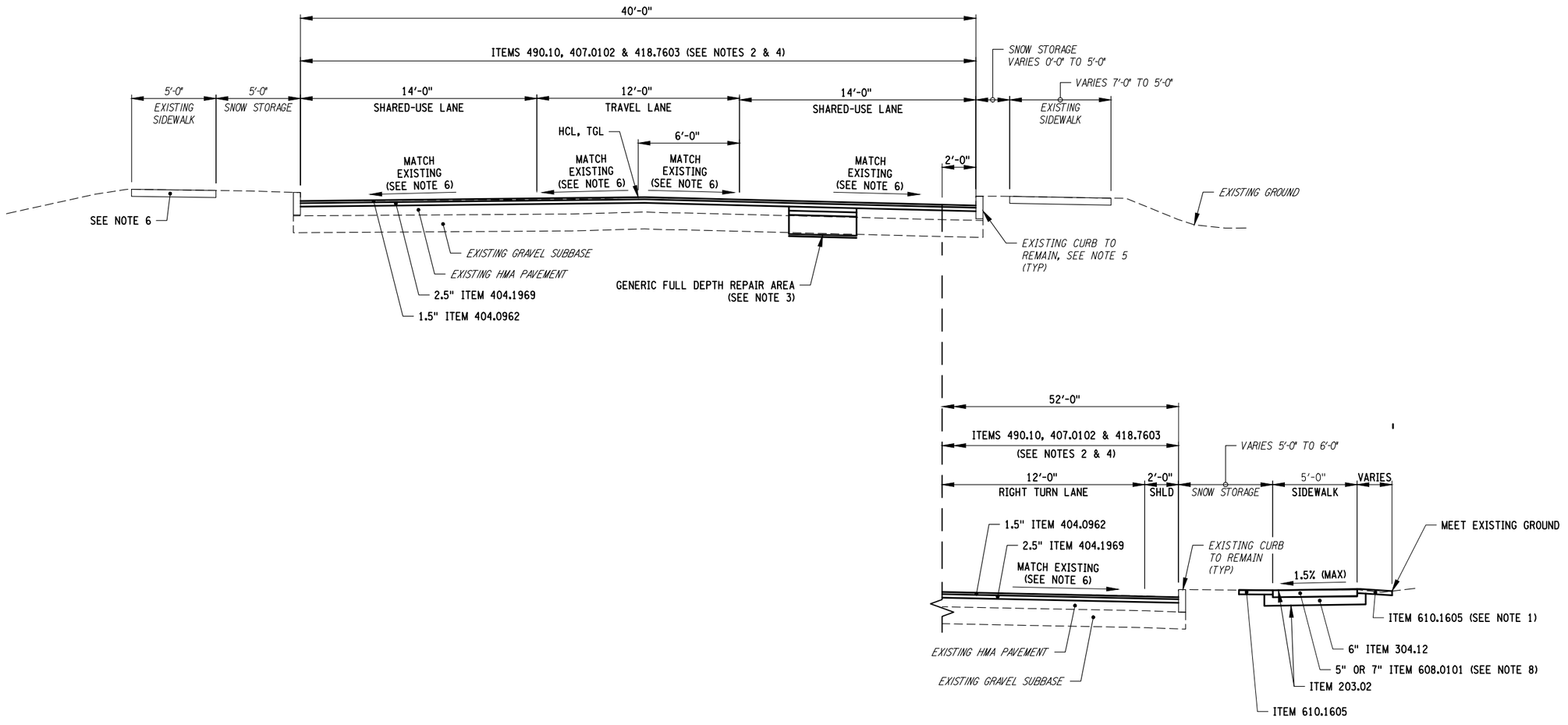
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TYPICAL SECTION

TYP-03

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RIGHT TURN LANE
HCL STA 61+59 TO 63+75

HCL STA 60+73 TO 63+78

EAST SENECA TURNPIKE
TWO-COURSE MILL & OVERLAY

NOT TO SCALE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
404.0962	9.5 F2 TOP COURSE WMA, 60 SERIES COMPACTION	TON
404.1969	19 F9 BINDER COURSE WMA, 60 SERIES COMPACTION	TON
407.0102	DILUTED TACK COAT	GAL
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
490.10	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE	SY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

NOTES

1. RESTORATION OF DISTURBED AREAS BEHIND NEW CURB AND SIDEWALK SHALL BE AS FOLLOWS:
   - LAWN AREAS: USE ITEM 610.1605 WITH 4" OF TOPSOIL (2' WIDTH OR AOBE)
   - ASPHALT DRIVEWAYS: SEE HMA DRIVEWAY DETAIL ON DWG MSD-02. SEE PLN DWGS AND DRIVEWAY TABLE ON DWG DWT-01 TO 03 FOR REPLACEMENT LOCATIONS AND LIMITS.
   - CONCRETE SIDEWALKS AND DRIVEWAY APRONS: SEE CONCRETE SIDEWALK AND DRIVEWAY DETAIL ON DWG MSD-02. SEE PLN DWGS AND CONCRETE SIDEWALK TABLE ON DWG MST-05 TO 06 FOR REPLACEMENT LOCATIONS AND LIMITS.
2. DILUTED TACK COAT (ITEM 407.0102) SHALL BE USED ON MILLED SURFACES, EXISTING WMA PAVEMENT AND BETWEEN ALL LIFTS OF NEW WMA PAVEMENT AS WELL AS ON VERTICAL FACES FOR ALL WMA COURSES EXCEPT THE WMA TOP COURSE. ASPHALT PAVEMENT JOINT ADHESIVE (ITEM 418.7603) SHALL BE USED ON VERTICAL FACES FOR ALL JOINTS IN THE WMA TOP COURSE, INCLUDING CURBS AND DRAINAGE STRUCTURES.
3. SEE PRP DWGS FOR LOCATIONS OF FULL DEPTH PAVEMENT REPAIRS AND DETAIL ON DWG MSD-01.
4. MILL EXISTING PAVEMENT TO A DEPTH OF 4".
5. SEE DWG MSD-01 FOR TYPICAL GRANITE CURB RESET OR REPLACEMENT WITH UNDERDRAIN INSTALLATION DETAIL. SEE DWG MST-03 TO MST-04 FOR NEW CURB AND ISOLATED REPLACEMENT LOCATIONS.
6. SEE PRO DWGS FOR ROADWAY PROFILE AND BANKING DIAGRAMS.
7. CONCRETE SIDEWALKS SHALL HAVE A THICKNESS OF 5" EXCEPT AT DRIVEWAYS AND AREAS ADJACENT TO INTERSECTION CORNER RADII IT SHALL HAVE A THICKNESS OF 7".
8. SEED MIX FOR ITEM 610.1605 - TURF ESTABLISHMENT PERFORMANCE SHALL BE LAWN SEED. A MINIMUM OF 4" OF TOPSOIL SHALL BE PLACE AND THE COST SHALL BE INCLUDED UNDER THE ITEM 610.1605.

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1/9/2025

STATE OF NEW YORK · DOUGLAS OWEN STRAUSER · LICENSED PROFESSIONAL ENGINEER · NO. 073767

Syracuse New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

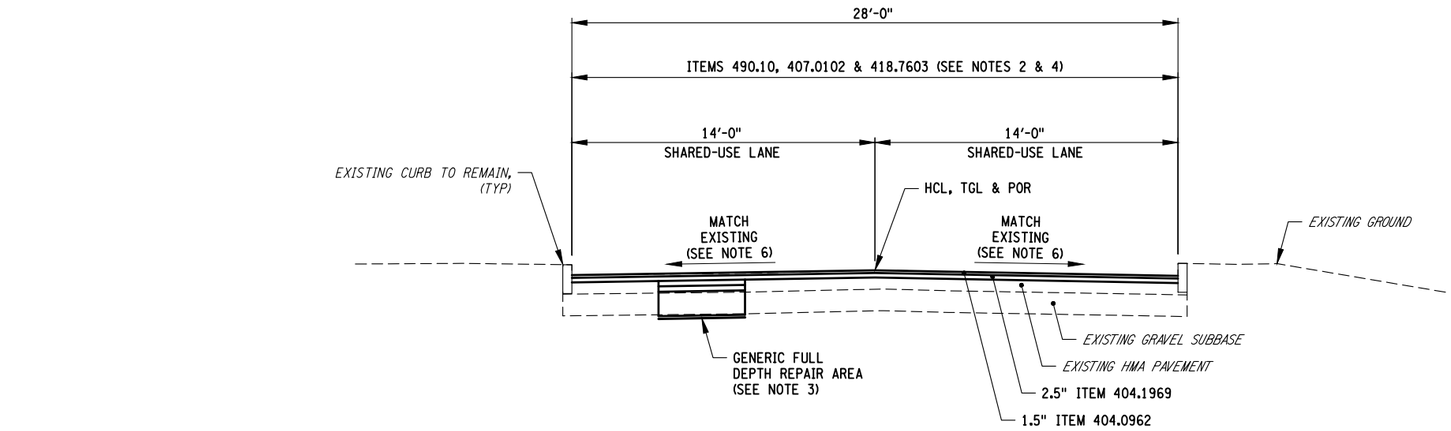
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TYPICAL SECTION

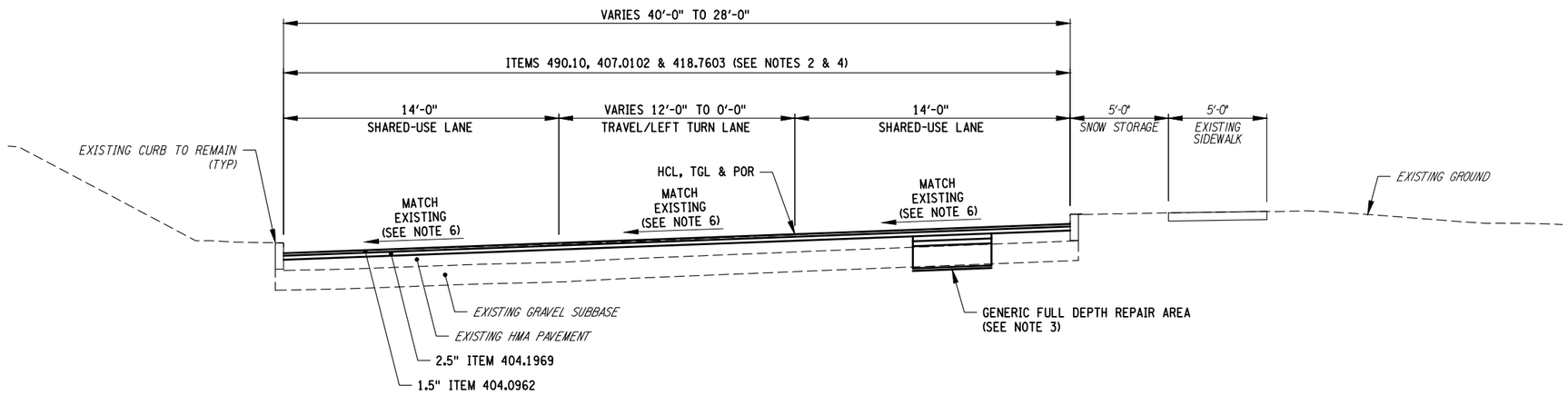
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HCL STA 67+05 TO 74+98



HCL STA 63+78 TO 67+05

EAST SENECA TURNPIKE
TWO-COURSE MILL & OVERLAY

NOT TO SCALE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
404.0962	9.5 F2 TOP COURSE WMA, 60 SERIES COMPACTION	TON
404.1969	19 F9 BINDER COURSE WMA, 60 SERIES COMPACTION	TON
407.0102	DILUTED TACK COAT	GAL
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
490.10	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE	SY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF

NOTES

1. RESTORATION OF DISTURBED AREAS BEHIND NEW CURB AND SIDEWALK SHALL BE AS FOLLOWS:
   - LAWN AREAS: USE ITEM 610.1605 WITH 4" OF TOPSOIL (2' WIDTH OR AOBE)
   - ASPHALT DRIVEWAYS: SEE HMA DRIVEWAY DETAIL ON DWG MSD-02. SEE PLN DWGS AND DRIVEWAY TABLE ON DWG DWT-01 TO 03 FOR REPLACEMENT LOCATIONS AND LIMITS.
   - CONCRETE SIDEWALKS AND DRIVEWAY APRONS: SEE CONCRETE SIDEWALK AND DRIVEWAY DETAIL ON DWG MSD-02. SEE PLN DWGS AND CONCRETE SIDEWALK TABLE ON DWG MST-05 TO 06 FOR REPLACEMENT LOCATIONS AND LIMITS.
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4. MILL EXISTING PAVEMENT TO A DEPTH OF 4".
5. SEE DWG MSD-01 FOR TYPICAL GRANITE CURB RESET OR REPLACEMENT WITH UNDERDRAIN INSTALLATION DETAIL. SEE DWG MST-03 TO MST-04 FOR NEW CURB AND ISOLATED REPLACEMENT LOCATIONS.
6. SEE PRO DWGS FOR ROADWAY PROFILE AND BANKING DIAGRAMS.
7. SEED MIX FOR ITEM 610.1605 - TURF ESTABLISHMENT PERFORMANCE SHALL BE LAWN SEED. A MINIMUM OF 4" OF TOPSOIL SHALL BE PLACE AND THE COST SHALL BE INCLUDED UNDER THE ITEM 610.1605.

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1/9/2025

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Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

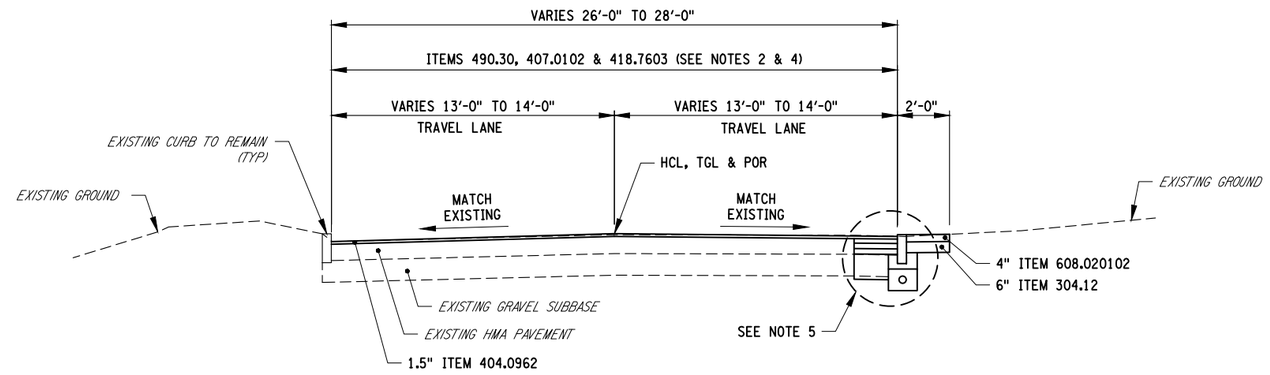
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TYPICAL SECTION

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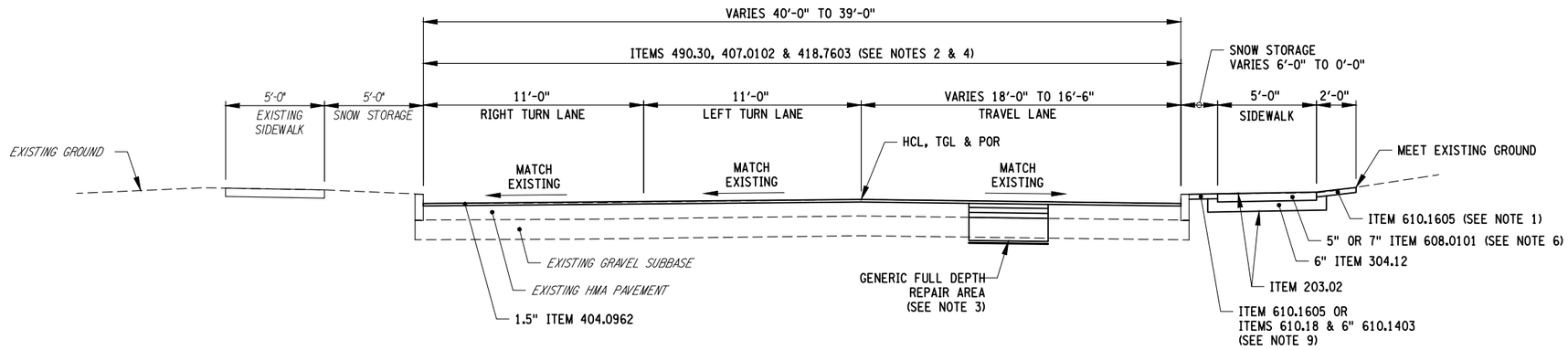
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HCL STA B 5+13 TO B 6+08

BALL CIRCLE
SINGLE-COURSE MILL & OVERLAY

NOT TO SCALE



HCL STA T 5+12 TO T 6+04

THURBER STREET
SINGLE-COURSE MILL & OVERLAY

NOT TO SCALE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
404.0962	9.5 F2 TOP COURSE WMA, 60 SERIES COMPACTION	TON
407.0102	DILUTED TACK COAT	GAL
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.020102	ASPHALT SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS, AND VEGETATION CONTROL STRIPS	TON
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT PERFORMANCE	SY

NOTES

1. RESTORATION OF DISTURBED AREAS BEHIND NEW CURB AND SIDEWALK SHALL BE AS FOLLOWS:
   - LAWN AREAS: USE ITEM 610.1605 WITH 4" OF TOPSOIL (2' WIDTH OR AOBE)
   - ASPHALT DRIVEWAYS: SEE HMA DRIVEWAY DETAIL ON DWG MSD-02. SEE PLN DWGS AND DRIVEWAY TABLE ON DWG DWT-01 TO 03 FOR REPLACEMENT LOCATIONS AND LIMITS.
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8. SEED MIX FOR ITEM 610.1605 - TURF ESTABLISHMENT PERFORMANCE SHALL BE LAWN SEED. A MINIMUM OF 4" OF TOPSOIL SHALL BE PLACE AND THE COST SHALL BE INCLUDED UNDER THE ITEM 610.1605.
9. ESTABLISHING TURF IN SNOW STORAGE AREAS WITH A WIDTH LESS THAN OR EQUAL TO 3 FT. SHALL USE ITEMS 610.18 (SODDING) AND 6" ITEM 610.1403 (TOPSOIL - LAWNS) TO ESTABLISH TURF.

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRAUSER
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	LJM
DESIGNED BY:	DJB
CHECKED BY:	DOS

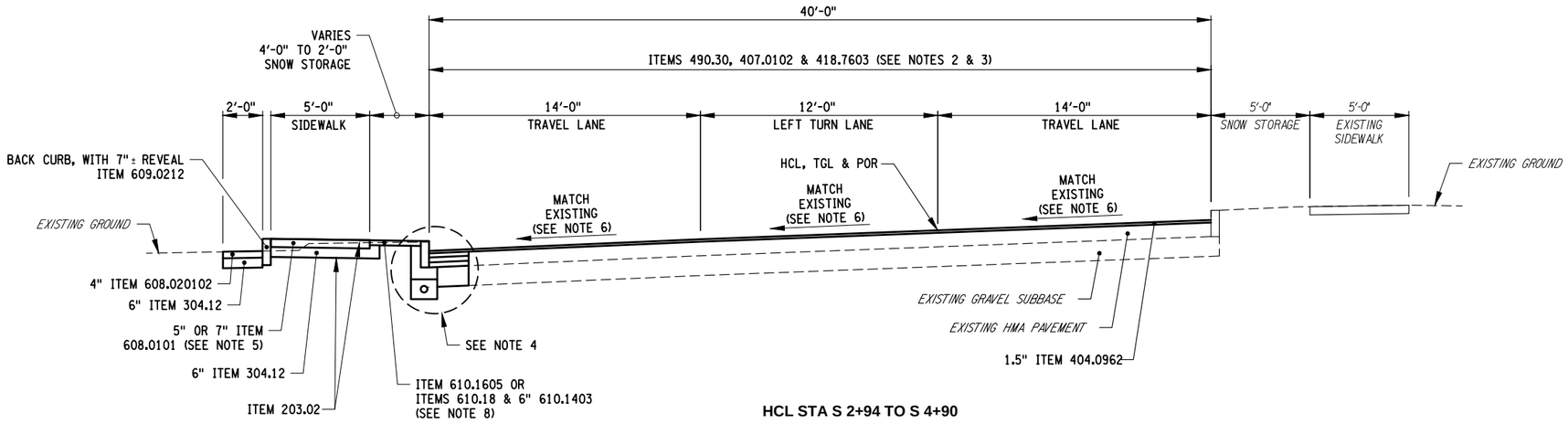
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TYPICAL SECTION

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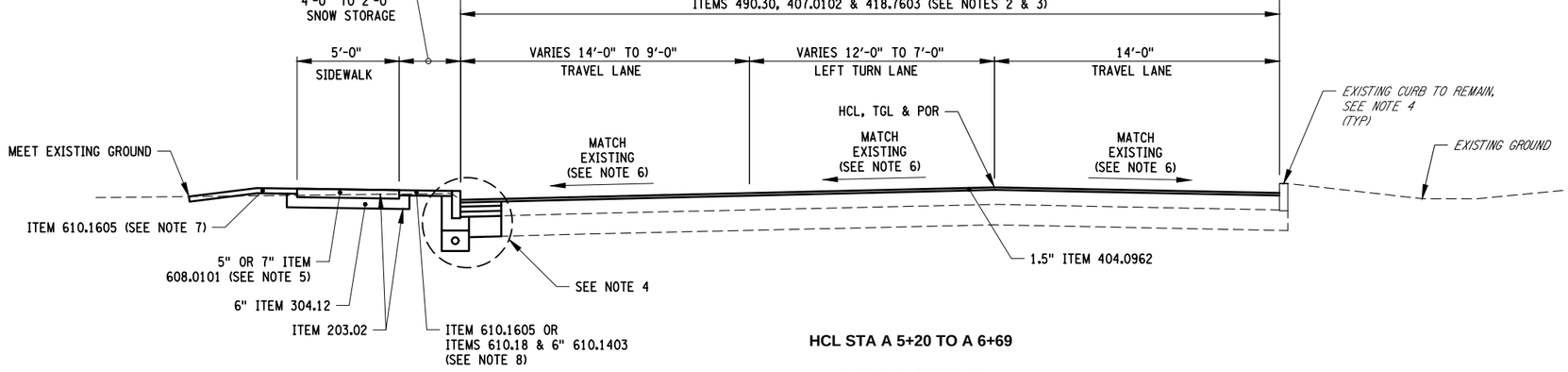
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HCL STA S 2+94 TO S 4+90

EAST SENECA TURNPIKE
SINGLE-COURSE MILL & OVERLAY

NOT TO SCALE



HCL STA A 5+20 TO A 6+69

AINSLEY DRIVE
SINGLE-COURSE MILL & OVERLAY

NOT TO SCALE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
404.0962	9.5 F2 TOP COURSE WMA, 60 SERIES COMPACTION	TON
407.0102	DILUTED TACK COAT	GAL
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
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609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT PERFORMANCE	SY

NOTES

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1/9/2025

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Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

TYPICAL SECTION

TYP-07

Jan 09, 2025 - 12:36pm
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DEFINITIONS

THE WORDS "SHALL", "SHOULD", AND "MAY", AS USED IN THE CONTRACT DOCUMENTS, HAVE THE FOLLOWING MEANINGS:

SHALL - A MANDATORY CONDITION. IN THE DESIGN, APPLICATION, OR LOCATION OF DEVICES, REQUIREMENTS HAVING "SHALL" STIPULATIONS ARE MANDATORY. NO DISCRETION IN FOLLOWING THEM IS ALLOWED.

SHOULD - ANY ADVISORY CONDITION. WHERE "SHOULD" IS USED IN RELATION TO A PROVISION, THAT PROVISION IS RECOMMENDED, AND NORMALLY IS TO BE FOLLOWED, BUT IS NOT MANDATORY, DEVIATION FROM SUCH PROVISIONS IS PERMISSIBLE IF, AND TO THE EXTENT NECESSARY, THERE IS JUSTIFIABLE CAUSE TO DO SO.

MAY - ANY PERMISSIVE CONDITION. NO REQUIREMENT FOR DESIGN OR APPLICATION IS INTENDED.

GENERAL NOTES

1. PLANS ARE BASED ON NYSDOT STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, DATED MAY 1, 2025.
2. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF THIS PROJECT, THE EXACT EXTENT OF FULL DEPTH PAVEMENT REPAIR WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION, PAVEMENT CORES AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS AS ORDERED BY RESIDENT ENGINEER.
3. THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE CITY, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE CITY, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE RESIDENT ENGINEER AT THE EXPENSE OF THE CONTRACTOR. ANY SALVAGED MATERIAL TO REMAIN THE PROPERTY OF THE CITY SHALL BE PICKED UP BY CITY FORCES AT NO EXPENSE TO THE CONTRACTOR.
4. WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THOSE ITEMS.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO THE START OF WORK AND/OR PREPARATION OF SHOP DRAWINGS. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY AND PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
6. 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.
7. ALL DISTURBED AREAS ADJACENT TO CURBING, DRIVEWAY AND SIDEWALK INSTALLATION SHALL BE RESTORED BY THE TREATMENT SHOWN ON THE PLANS, BY TOPSOIL AND SEEDING, OR AS ORDERED BY RESIDENT ENGINEER.
8. WORK LIMITS ARE SHOWN ON THE ROADWAY PLANS. THE ACTUAL LIMITS OF WORK SHALL BE CONFIRMED IN THE FIELD AT THE TIME OF CONSTRUCTION. THE RESIDENT ENGINEER SHALL DEFINE SPECIFIC LIMITS WHERE QUESTIONS ARISE.
9. SAWCUTTING SHALL BE REQUIRED FOR ALL FULL DEPTH REPAIRS IN PAVEMENT AREAS, AT ABUTTING SIDEWALK AND DRIVEWAY EDGES TO BE RETAINED, AT PAVEMENT TERMINATIONS, AND ALONG CURBS TO BE REPLACED OR RESET. ALL SAWCUTS IN STREETS ARE TO BE SEALED WITH ASPHALT FILLERS PER NYSDOT SECTION 705-02.
10. ALL RIGHT-OF-WAY MONUMENTS AND PROPERTY CORNERS ARE TO BE PROTECTED, SAFEGUARDED AND PRESERVED. ANY RIGHT-OF-WAY MONUMENTS OR PROPERTY CORNERS THAT ARE DISTURBED BY CONTRACTOR'S OPERATIONS SHALL BE REPLACED BY A NYS LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.
11. THE ROADWAY SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES. ROADWAY CLEANING SHALL BE PERFORMED AOBE.
12. MATERIALS, EQUIPMENT AND VEHICLES SHALL NOT BE STORED OR PARKED WITHIN 10 FEET OF THE CURBLINE BEFORE WORK BEGINS OR AFTER THE CONTRACTOR'S OPERATIONS ARE SHUT DOWN. THE CONTRACTOR WILL NEED TO MAKE HIS OWN ARRANGEMENTS FOR A STAGING AREA FOR THE PROJECT. NO CONSTRUCTION MATERIALS MAY BE STORED OR PLACED ON THE ROADWAY OR ROADBED EXCEPT WITHIN A PROTECTED WORK AREA.
13. SEED MIX FOR ITEM 610.1605 - TURF ESTABLISHMENT PERFORMANCE SHALL BE LAWN SEED MIX MEETING SECTION 714-04 C.

RECORD DRAWINGS

1. RECONSTRUCTION OF EAST BRIGHTON AVENUE AND EAST SENECA TURNPIKE (1983) RECORD DRAWINGS ARE AVAILABLE AT: CITY OF SYRACUSE DEPARTMENT OF ENGINEERING, CITY HALL, 233 EAST WASHINGTON STREET, ROOM 401 (315-448-8200) FOR THE STREETS INCLUDED IN THIS PROJECT. THESE DRAWINGS INCLUDE ROADWAY PLAN, PROFILE, TYPICAL SECTIONS, DRAINAGE, ETC.

SURVEY CONTROL

1. REFER TO DRAWING BLT-01 IN THE CONTRACT DRAWINGS FOR SURVEY BASELINE AND HORIZONTAL AND VERTICAL CONTROL INFORMATION.

STREET PAVEMENT

1. PAVEMENT CORES AND BORINGS WERE OBTAINED FOR THE PROJECT. EAST BRIGHTON AVENUE HAS A 10.5" HOT MIX ASPHALT (HMA) PAVEMENT SECTION. PAVEMENT CORE AND BORING LOCATIONS ARE SHOWN ON THE PRP DRAWINGS WITH ANY ADDITIONAL INFORMATION AVAILABLE AS SUPPLEMENTAL INFORMATION TO BIDDERS.
2. A DEPTH OF 4" SHALL BE MILLED FROM THE EXISTING PAVEMENT AND RECEIVE A TWO-COURSE WMA OVERLAY TO THE LIMITS SHOWN ON THE CONTRACT DRAWINGS. FULL DEPTH REPAIRS SHALL BE REPAIRED IN THE MANNER AND LOCATIONS SHOWN ON THE MSD AND PRP DRAWINGS. THE PAVEMENT SURFACE SHALL BE EVALUATED AFTER MILLING OPERATIONS BY THE RESIDENT ENGINEER AND CONTRACTOR TO DETERMINE IF ANY ADDITIONAL REPAIRS ARE NEEDED PRIOR TO PLACING ANY WMA OVERLAY.
3. THE CONTRACTOR SHALL COORDINATE WITH THE CITY'S UTILITY WORK PERMIT MANAGER AT THE DEPARTMENT OF PUBLIC WORKS ON ANY UTILITY WORK PATCHES IN PAVEMENT MILL AND OVERLAY AREAS THAT HAVE NOT BEEN RESTORED TO FULL DEPTH PAVEMENT. ANY UTILITY PATCHES THAT HAVE NOT BEEN RESTORED TO FULL DEPTH PAVEMENT MAY BE ADDED TO THE CONTRACT REPAIR AREAS AT THE CITY'S DISCRETION AND/OR AS ORDERED BY THE RESIDENT ENGINEER.
4. THE CONTRACTOR SHALL CONDUCT MILLING AND PAVING OPERATIONS SO THAT THE FINISHED PAVEMENT SURFACE WILL DRAIN TO THE EXISTING DROP INLETS. POSITIVE DRAINAGE SHALL BE PROVIDED ALONG CURBLINES TO THE EXISTING DROP INLETS. NO STANDING WATER SHALL BE PRESENT.
5. THERE ARE SECTIONS OF THE PAVEMENT THAT HAVE LESS THAN 0.50% LONGITUDINAL SLOPE IMMEDIATELY ADJACENT TO THE CURB. IN THESE AREAS, UNDER ITEM 625.01 SURVEY OPERATIONS, A CONTINUOUS FINISHED GRADE REFERENCE LINE SHALL BE PLACED BY THE CONTRACTOR ON THE CURB, THAT IS DEVELOPED FROM THE ELEVATIONS SHOWN ON THE DESIGN PROFILE. THIS IS TO BE COMPLETED IN ADVANCE OF PAVING OPERATIONS, AND USED AS A REFERENCE LINE TO PLACE THE FINISHED PAVEMENT.

CONCRETE SIDEWALKS, DRIVEWAYS AND CURB RAMPS

1. SIDEWALK CURB RAMPS INSTALLED UNDER THIS PROJECT SHALL CONFORM TO THE DETAILS ON NYSDOT STANDARD SHEET 608-01 (SHEETS 1 - 12). THE CONTRACTOR SHALL INSTALL CAST IRON EMBEDDED DETECTABLE WARNING UNITS (PAYMENT ITEM 608.21000003) AT ALL CURB RAMP LOCATIONS SHOWN ON THE CRD DRAWINGS AND THE CONCRETE SIDEWALK TABLE ON DWG. MST-05 AND MST-06.
2. CONCRETE SIDEWALKS ACROSS DRIVEWAYS AS WELL AS SIDEWALK AND CURB RAMPS AT INTERSECTION CORNER RADII WILL HAVE A THICKNESS OF 7" AND BE PAID UNDER ITEM 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS.
3. CONCRETE FOR SIDEWALKS NOT AT DRIVEWAYS OR INTERSECTION CORNER RADII WILL HAVE A THICKNESS OF 5" AND BE PAID UNDER ITEM 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS.
4. CONCRETE SIDEWALKS AND DRIVEWAYS ARE TO BE GENERALLY PLACED IN LENGTHS THAT HAVE CONTROL JOINTS THAT CREATE 5 FOOT BY 5 FOOT BLOCKS. AT STREET INTERSECTIONS THE SIDEWALK IS IRREGULARLY SHAPED TO CONFORM TO THE CORNER RADII. AT THESE AND ANY OTHER SIMILAR LOCATIONS, AND WHERE UTILITY COVERS PENETRATE THE SIDEWALK, ADDITIONAL CONTROL JOINTS SHALL BE PLACED TO CONTROL CRACKING. ADDITIONAL CONTROL JOINT LOCATIONS ARE TO BE DETERMINED BY THE CONTRACTOR. ANY NEW SIDEWALK THAT CRACKS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ANY SAWCUTTING NECESSARY TO INSTALL SIDEWALK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 608.0101.
5. EXPANSION JOINTS SHALL BE PLACED AT APPROXIMATELY 50 FT. INTERVALS OR A.O.B.E. ALL EXPANSION JOINTS SHALL HAVE PREMOULDED RESILIENT JOINT FILLER MATERIAL PLACED BELOW THE SURFACE AND THEN SEALED WITH "SIKAFLEX SL" OR APPROVED EQUAL CONCRETE SEALER MEETING NYSDOT MATERIAL SPECIFICATION 705-06.
6. THE CURB RAMP DETAILS PROVIDED ARE APPROXIMATE TO ACHIEVE ADA COMPLIANT RAMPS. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND GRADES TO ENSURE COMPLIANCE WITH ADA REQUIREMENTS PRIOR TO ANY CONSTRUCTION ACTIVITIES.
7. IF FIELD CONDITIONS REQUIRE MODIFICATION TO THE LIMITS OF CURB RAMP RECONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A SKETCH TO THE RESIDENT ENGINEER WITH NEW LIMITS OF WORK, DIMENSIONS AND GRADES TO DEMONSTRATE THE RAMP WILL MEET ADA REQUIREMENTS.
8. ALL SIDEWALK REMOVALS SHALL BE COMPLETED AT AN EXISTING JOINT.

GRANITE CURBING

1. FURNISHING AND INSTALLING NEW GRANITE CURBING (STRAIGHT, CURVED, TRANSITION, AND DROP CURB) SHALL BE PAID FOR UNDER ITEM 609.0212. A NOMINAL AMOUNT OF ITEM 609.15, RESETTING EXISTING CURB IS INCLUDED IN THE CONTRACT FOR UNANTICIPATED FIELD CONDITIONS AND MAY BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.
2. TRANSITION CURBS FOR DRIVEWAY AND CURB RAMP FLARES (NOT IN THE PEDESTRIAN CIRCULATION PATH) SHALL HAVE A MINIMUM LENGTH OF 3 FEET. TRANSITION CURB LENGTHS AT CURB RAMPS SHALL MEET NYSDOT 608-01 STANDARD SHEETS. REFER TO CRD DRAWINGS FOR TRANSITION LENGTHS AND LAYOUT INFORMATION.

PAVEMENT MARKINGS

1. PERMANENT PAVEMENT MARKINGS (CENTER LINES, EDGE LINES, HATCH, SYMBOLS, ETC.) SHALL BE INSTALLED ON FINAL PAVEMENT SURFACES AFTER TWO WEEKS OF INSTALLING FINAL PAVEMENT SURFACE. THIS REQUIREMENT APPLIES TO ANY PORTION OF FINAL PAVEMENT SURFACE INSTALLED REGARDLESS OF LENGTH.
2. TEMPORARY LONG LINE MARKINGS (ITEM 619.0901) SHALL BE APPLIED WITHIN 24 HOURS OF COMPLETING THE MILLING OPERATION ON EACH STREET SEGMENT AND ALSO ON THE NEW WMA BINDER COURSE. MARKINGS SHALL INCLUDE 4" YELLOW FULL BARRIER CENTERLINE AND 4" WHITE BROKEN LANE LINES WHERE APPLICABLE. TEMPORARY LONG LINE MARKINGS SHALL ALSO BE APPLIED TO THE NEW WMA TOP COURSE IN THE EXACT LOCATION OF PERMANENT PAVEMENT MARKINGS.

UTILITIES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES ENCOUNTERED IN THIS WORK, WHERE NECESSARY THE CONTRACTOR SHALL PROVIDE TIMBER, PLANK OR OTHER APPROVED MATERIALS AND SECURELY BRACE AND PROTECT THESE UTILITIES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS IN THE CONTRACT.
2. FOUR SEPARATE QUALITY LEVELS OF SUBSURFACE UTILITY FACILITY INFORMATION ARE GENERALLY RECOGNIZED AND ARE AS FOLLOWS:

   QUALITY LEVEL A (QLA): QUALITY LEVEL A IS THE HIGHEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS HAS BEEN OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITY FACILITIES) OF SUBSURFACE UTILITIES, USING (TYPICALLY) MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO BE DETERMINE THEIR PRECISE HORIZONTAL AND VERTICAL POSITIONS, AS WELL AS THEIR OTHER UTILITY FACILITY ATTRIBUTES. (SHOWN AS QLA)

   QUALITY LEVEL B (QLB): QUALITY LEVEL B IS THE SECOND HIGHEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS HAS BEEN OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHOD (I.E., UNDERGROUND CAMERAS, RADAR, SONAR, TONE OUTS, ETC.) TO IDENTIFY THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF SUBSURFACE UTILITY FACILITIES. QUALITY LEVEL B DATA ARE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THE INFORMATION WAS SURVEYED TO APPLICABLE TOLERANCES AND REDUCED ONTO THE PLANS. NO EXCAVATIONS WERE PERFORMED. (SHOWN AS QLB)

   QUALITY LEVEL C (QLC): QUALITY LEVEL C IS THE THIRD HIGHEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS HAS BEEN OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION. (SHOWN AS QLC)

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

   ALL UTILITY LOCATIONS SHOWN ON THESE PLANS ARE QLC.

UTILITY ADJUSTMENTS

1. ALL CITY MANHOLE COVERS AND DRAINAGE STRUCTURE GRATES SHALL BE ADJUSTED TO FINAL GRADE AND SET FLUSH. PAYMENT WILL BE MADE UNDER ITEM 604.070301. ALL CITY WATER VALVE COVERS SHALL BE ADJUSTED TO FINAL GRADE UNDER ITEM 663.33. THE COSTS FOR DISTURBING PAVEMENT, SALVAGE, CLEANING AND RESETTING EXISTING FRAMES, GRATES AND COVERS SHALL BE INCLUDED IN THE PRICE BID FOR THE THERE RESPECTIVE ADJUSTMENT ITEM.
2. THE REMAINING UTILITY MANHOLES, VALVES, ETC WILL BE ADJUSTED BY THE RESPONSIBLE UTILITY OWNERS. THESE LOCATIONS HAVE BEEN IDENTIFIED ON THE "MANHOLE AND VALVEBOX ADJUSTMENT TABLE" ON DRAWINGS MTB-08, MTB-09, AND MTB-10 BUT IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THESE FEATURES AND COORDINATE THE ADJUSTMENT WITH THE AFFECTED UTILITY OWNERS. SEE COORDINATION WITH UTILITIES NOTE IN THE SPECIAL NOTES INCLUDED IN SECTION 01200 OF THE PROPOSAL BOOK.
3. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER IF HE ENCOUNTERS ANY DAMAGED AND/OR MISSING CITY MANHOLE OR WATER VALVE COVERS. THE RESIDENT ENGINEER WILL CONTACT THE CITY DEPARTMENT OF PUBLIC WORKS TO PROVIDE REPLACEMENT COVERS.
4. THE CONTRACTOR SHALL EXERCISE CARE WHEN MILLING AROUND UTILITY FRAMES, GRATES, AND COVERS. SHOULD THESE ITEMS BECOME DAMAGED DUE TO THE CONTRACTORS OPERATIONS, THEY SHALL BE REPAIRED OR REPLACED AT NO COST TO THE UTILITY OWNER OR THE CITY.

METHOD OF CONSTRUCTION AND TRAFFIC ON MILLED SURFACES

1. TRAFFIC WILL BE ALLOWED ON A MILLED SURFACE ON AN INDIVIDUAL STREET SEGMENT NO MORE THAN 14 CALENDAR DAYS BEFORE PLACING THE NEW BINDER COURSE OR TOP COURSE. THIS TIME MAY BE EXTENDED BY THE RESIDENT ENGINEER IF THERE ARE DELAYS BY PRIVATE UTILITY COMPANIES IN COMPLETING MANHOLE AND VALVE BOX ADJUSTMENT IN THE PAVEMENT AREA.
2. ASPHALT COLD PATCH SHALL BE PLACED AS A TEMPORARY WEDGE AROUND STRUCTURES IN THE PAVEMENT AFTER MILLING. POLYETHYLENE WRAP SHALL FIRST BE PLACED AROUND THE STRUCTURE TO ALLOW THE ASPHALT WEDGE TO BE EASILY REMOVED PRIOR TO FINAL PAVING. THE COST OF PLACING AND MOVING THE TEMPORARY WEDGES SHALL BE INCLUDED IN ITEM 619.01.

DRAINAGE FACILITIES

1. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE DRAINAGE CHARACTERISTICS OF THE STREET SEGMENT INCLUDED IN THE PROJECT SO THAT WORK MAY PROGRESS EFFICIENTLY WITH FULL KNOWLEDGE OF THE POTENTIAL DRAINAGE PROBLEMS, ALL DRAINAGE FACILITIES, INCLUDING DITCHES, CULVERTS, GUTTERS, DRAINAGE PIPES AND DRAINAGE STRUCTURES, WITHIN THE CONTRACT LIMITS SHALL BE KEPT CLEAN AND FREE FLOWING FOR THE DURATION OF THE CONTRACT, AOBE.
2. THE CONTRACTOR SHALL FIRST CLEAN ALL DRAINAGE STRUCTURES WHERE INDICATED IN THE DRAINAGE TABLE AND THEN CONFIRM THE REPAIR OR REPLACEMENT DIMENSIONS AND QUANTITIES NEEDED FOR EACH STRUCTURE AND PIPE INVERT ELEVATIONS FOR REPLACEMENT STRUCTURES.

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRASSER
LICENSED PROFESSIONAL ENGINEER
NO. 073267

Syracuse
New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL NOTES

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COORDINATION WITH OTHER CONSTRUCTION

1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THERE WILL BE OTHER CONTRACTORS WORKING NEAR OR WITHIN THE LIMITS OF WORK FOR THIS CONTRACT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE WORK OF THIS CONTRACT WITH THAT OF OTHERS SO THERE IS NO CONFLICT.

2. D900056 - I-81 VIADUCT-PHASE 1, CONTRACT 2 (PIN 3501.91) IS LOCATED BETWEEN THE NORTHERN AND SOUTHERN PORTIONS OF THIS PROJECT. CONTRACT 2 WILL BE UNDER CONSTRUCTION DURING THIS PROJECT. THE CONTRACTOR SHALL CONTACT I-81 VIADUCT PROJECT CONSTRUCTION COORDINATOR, CHRIS SHERIDAN AT (585) 272-3712, FOR COORDINATION.

3. THE SYRACUSE WATER DEPARTMENT (SWD) IS PLANNING ON REPLACEMENTS TO THE CITY WATER SYSTEM ALONG THURBER STREET AND AINSLEY DRIVE WHICH ARE LOCATED WITHIN THE PROJECT AREA. THE UPGRADES INCLUDE WATER MAIN WORK, VALVES, PRESSURE RELIEF VAULTS AND ELECTRICAL SERVICE. THE CONTRACTOR SHALL CONTACT SWD COMMISIONER OF WATER, ROBERT BRANDT AT (315) 448-8340, FOR COORDINATION.

PERMITS

1. A PERMIT WILL BE REQUIRED FROM NYSDOT FOR WORK ALONG NYS ROUTE 173 (EAST SENECA TURNPIKE). THE CONTRACTOR SHALL CONTACT THE REGION 3 PERMIT ENGINEER AT (315) 428-4382.

2. A STORMWATER POLLUTION PREVENTION PLAN (SWPP) HAS BEEN DEVELOPED FOR THIS PROJECT. SEE THE BID PROPOSAL BOOK FOR MORE INFORMATION. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SOIL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE SWPP AND SECTION 209 OF THE NYSDOT STANDARD SPECIFICATIONS.

WORK RESTRICTIONS

1. NO WORK REQUIRING THE CLOSING OF LANES OR SHOULDERS WILL BE PERMITTED ON THE FOLLOWING HOLIDAYS:

   - MEMORIAL DAY (MAY 23-26, 2025, FRIDAY THRU MONDAY)
   - INDEPENDENCE DAY (JULY 4-6, 2025, FRIDAY THRU SUNDAY)
   - LABOR DAY (AUGUST 29 - SEPTEMBER 1, 2025, FRIDAY THRU MONDAY)
   - THANKSGIVING DAY (NOVEMBER 26-28, 2025, WEDNESDAY THRU FRIDAY)
   - CHRISTMAS DAY (DECEMBER 25-28, 2025, THURSDAY THRU SUNDAY)
   - NEW YEARS DAY (JANUARY 1-4, 2026, THURSDAY THRU SUNDAY)
   - MEMORIAL DAY (MAY 23-25, 2026, FRIDAY THRU MONDAY)
   - INDEPENDENCE DAY (JULY 3-5, 2026, FRIDAY THRU SUNDAY)

TREES

1. IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) THREATENED AND ENDANGERED SPECIES CONCURRENCE, THE CONTRACTOR SHALL CONDUCT TREE REMOVAL OPERATIONS ONLY BETWEEN THE DATES OF NOVEMBER 1 AND MARCH 31.

2. ALL NEW STREET TREES WILL BE PROVIDED AND INSTALLED BY THE CITY IN THE LOCATIONS SHOWN ON THE PLP DRAWINGS. THE CONTRACTOR SHALL PROVIDE LOOSENED SOIL AND ADD COMPOST AT THE PROPOSED STREET TREE LOCATIONS. SEE NOTES 5 & 6 ACCOMPANYING THE STANDARD TREE PLANTING DETAIL ON DRAWING PLD-02 AND NOTE 2 ON THE PLP DRAWINGS FOR MORE INFORMATION ON THIS WORK AND THE METHOD OF PAYMENT.

SPECIAL NOTE - WARM MIX ASPHALT

60 SERIES COMPACTION:

1. THE CONTRACTOR SHOULD BE AWARE THAT THIS IS A PERFORMANCE RELATED SPECIFICATION IN WHICH THE CONTRACTOR IS RESPONSIBLE FOR COMPACTING THE PAVEMENT TO WITHIN A SPECIFIED DENSITY RANGE. IN ORDER TO SUCCESSFULLY COMPACT THE PAVEMENT TO THE SPECIFIED DENSITY RANGE, THE CONTRACTOR MUST BE PREPARED TO SELECT, OPERATE, AND CONTROL THE PAVING AND COMPACTION EQUIPMENT, TO MONITOR THE RESULTS, AND TO MAKE NECESSARY ADJUSTMENTS (WITHOUT DIRECTION FROM THE ENGINEER) TO ACHIEVE THE DESIRED RESULTS. WRITTEN INSTRUCTIONS FOR DETERMINING PAVEMENT DENSITY AND CORE LOCATIONS ARE AVAILABLE IN MATERIALS PROCEDURE MP 402-02 FROM THE NYSDOT'S WEB SITE. PROVISIONS OF SECTION 404-3 SHALL APPLY, EXCEPT AS MODIFIED BY THE PROPOSAL DOCUMENTS.

SPECIAL NOTE - PG BINDER AND MIX DESIGN LEVEL

REQUIREMENTS OF THIS NOTE APPLY TO ALL SECTION 404 ASPHALT PAVEMENT ITEMS IN THIS CONTRACT, EXCEPT FOR SHIM, PERMEABLE BASE, TEMPORARY PAVEMENTS, AND MISCELLANEOUS, WHICH MAY USE NON-MODIFIED PG BINDERS SUCH AS PG 64S-22 AND PG 64H-22.

PG BINDER
USE POLYMER OR TERMINAL BLEND CRUMB RUBBER MODIFIED PG 64V-22 (VERY HIGH) MEETING THE REQUIREMENTS OF AASHTO M 332, STANDARD SPECIFICATION FOR PERFORMANCE GRADED ASPHALT BINDER USING MULTIPLE STRESS CREEP RECOVERY (MSCR), FOR THE PRODUCTION OF ASPHALT MIXTURES FOR THIS PROJECT. IN ADDITION, THE BINDER GRADE MUST ALSO MEET THE ELASTOMERIC PROPERTIES AS INDICATED BY ONE OF THE FOLLOWING EQUATIONS FOR %R3.2:

1. FOR JNR3.2 ≥0.1, %R3.2 ≥29.371 • JNR3.2-0.2633
2. FOR JNR3.2 <0.1, %R3.2 > 55

WHERE:
R3.2 IS % RECOVERY AT 3.2 KPA
JNR 3.2 IS THE AVERAGE NON-RECOVERABLE CREEP COMPLIANCE AT 3.2 KPA

WHEN TERMINAL BLEND CRM PG BINDER IS USED, THE FOLLOWING SHALL APPLY:
- CRUMB RUBBER PARTICLES SHALL BE FINER THAN #30 SIEVE SIZE.
- THE CRM PG BINDER SHALL BE STORAGE-STABLE AND HOMOGENEOUS.
- THE DYNAMIC SHEAR RHEOMETER (DSR) SHALL BE SET AT 2-MM GAP.
- THE CRM PG BINDER SHALL BE 99% FREE OF PARTICLES RETAINED ON THE 600 MM SIEVE AS TESTED IN ACCORDANCE WITH SECTION 5.4 OF M 332.

USE OF POLYPHOSPHORIC ACID (PPA) TO MODIFY THE PG BINDER PROPERTIES IS PROHIBITED FOR MIXTURES UNDER THIS CONTRACT. THIS PROHIBITION ALSO APPLIES TO THE USE OF PPA AS A CROSS LINKING AGENT FOR POLYMER MODIFICATION.

MIX DESIGN
THE MIXTURE DESIGNS MUST BE DEVELOPED IN ACCORDANCE WITH THE CRITERIA SPECIFIED IN THE ASPHALT PAVEMENT ITEMS THAT ARE APPROPRIATE FOR THE MIXTURE DESIGN LEVEL OF 75 GYRATIONS.

NOTE: THE PG BINDER FOR THIS PROJECT WILL BE MODIFIED WITH POLYMER OR CRM ADDITIVES TO MEET THE REQUIREMENTS STATED ABOVE. HANDLING OF THE ASPHALT MIXTURES SHALL BE DISCUSSED AT PRE-CONSTRUCTION AND PRE-PAVING MEETINGS.

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1/9/2025

STATE OF NEW YORK · DOUGLAS OWEN STARKEY · 073267 · LICENSED PROFESSIONAL ENGINEER

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

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GENERAL NOTES

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GENERAL NOTES

1. THE CONTRACTOR SHALL MAINTAIN TRAFFIC THROUGHOUT THE LENGTH OF THE CONTRACT IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 619 OF THE CURRENT NYSDOT STANDARD SPECIFICATIONS, THE NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) WITH THE NEW YORK STATE (NYS) SUPPLEMENT, THE TEMPORARY TRAFFIC CONTROL DETAILS IN THE PLANS AND PROPOSAL OF THIS CONTRACT AND AS ORDERED BY THE ENGINEER (AOBE).

2. FOR TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES IN CONSTRUCTION AREAS NOT SPECIFIED IN THE PLANS, THE PROVISIONS OF PART 6 OF THE MUTCD WITH NYS SUPPLEMENT SHALL APPLY. THE STANDARDS OF APPLICATION NOTED THEREIN AND ON THE PLANS ARE TO BE CONSIDERED MINIMUM STANDARDS.

3. PRIOR TO THE START OF ANY WORK OPERATIONS, ALL RELATED WORK FOR PROPOSED TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETE. THIS INCLUDES BUT IS NOT LIMITED TO, ALL SIGNS, SIGNALS, PAVEMENT MARKINGS, BARRIERS, DELINEATION (CONES, DRUMS, ETC.), FLAGGERS, PAVEMENT MODIFICATIONS AND ANY OTHER RELATED WORK AS DIRECTED BY THE ENGINEER IN CHARGE.

4. WEEDS, SHRUBBERY, CONSTRUCTION MATERIALS, EQUIPMENT, VEHICLES OR WORKERS SHALL NOT OBSCURE TRAFFIC CONTROL DEVICES OR OBSTRUCT TRAFFIC. THE CONTRACTOR SHALL BE REQUIRED TO TRIM ANY FOLIAGE OBSTRUCTING THE VISIBILITY OF ANY TRAFFIC CONTROL DEVICES WHETHER PERMANENT, TEMPORARY OR CONSTRUCTION.

5. THE CONTRACTOR MUST SUBMIT TO THE ENGINEER, IN WRITING, PROPOSED REVISIONS TO THE TEMPORARY TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE ENGINEER OR DESIGNEE FIVE (5) WORKING DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH PROPOSED REVISIONS, EXCEPT FOR CHANGES THAT ALTER THE BASIC CONCEPT OF THE TRAFFIC CONTROL PLAN. SUCH CONCEPTUAL CHANGES MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BY THE SYRACUSE CITY ENGINEER OR DESIGNEE.

ACTIVITY AREA AND WORK AREA COORDINATION

1. THE CONTRACTOR SHALL COORDINATE ANY WORK WITH OTHER CONTRACTORS, UTILITY COMPANIES, OR MUNICIPALITIES IN ORDER TO ENSURE ALL TRAFFIC IS PROPERLY AND SAFELY MAINTAINED AND PROTECTED AT ALL TIMES.

CONTRACTOR VEHICLES

1. VEHICLES OR EQUIPMENT ARE NOT TO BE PARKED ALONG THE ROADWAY USED BY THE GENERAL PUBLIC, OR ANY OTHER AREAS DEEMED HAZARDOUS BY THE ENGINEER.

2. VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES SHALL NOT BE PARKED IN A MANNER WHICH OBSTRUCTS SIGNS, BARRIERS, BARRICADES, OR OTHER TRAFFIC CONTROL DEVICES.

SIGNS

1. ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE NATIONAL MUTCD WITH NYS SUPPLEMENT. THE LOCATIONS OF THE SIGNS SHOWN ON THE TEMPORARY TRAFFIC CONTROL PLANS AND DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL OF THE ENGINEER IN CHARGE.

2. ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGN LAYOUT SHALL BE COVERED, REMOVED, STORED OR RESET, AOBE. BLANK COVERS USED TO COVER PORTIONS OF EXISTING SIGNS SHALL BE OF A COLOR AND REFLECTORIZED MATERIAL MATCHING THAT OF THE SIGN BEING PARTIALLY COVERED. PAYMENT UNDER ITEM 619.01. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE TO SIGNS CAUSED BY THE METHODS USED TO TEMPORARILY REMOVE, RELOCATE OR COVER SIGN PANELS OR SIGN TEXT, AT NO ADDITIONAL COST TO THE CITY. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED IN THIS CONTRACT.

3. WHEN TWO OR MORE WORK AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY AS DETERMINED BY THE EIC, THE CONTRACTOR SHALL ENSURE THERE ARE NO CONFLICTING SIGNS AND THAT LANE CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.

4. SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.

5. ALL CONSTRUCTION SIGNS SHALL BE MOUNTED ON NCHRP350 APPROVED TEMPORARY SIGN SUPPORTS UNLESS SHIELDED BY TEMPORARY CONCRETE BARRIER OR GUIDE RAIL, AND LOCATED BEYOND THE DEFLECTION DISTANCES. SIGN SUPPORTS FABRICATED PER STANDARD SHEET 619-08 SHALL BE CONSIDERED NCHRP 350 APPROVED.

6. IF CONSTRUCTION RELATED TRAFFIC CONGESTION BACKS UP BEYOND THE INSTALLED ADVANCE SIGN SEQUENCE, ADDITIONAL ADVANCE SIGNING SHALL BE PLACED IN ADVANCE OF THE CONGESTION.

7. ALL WARNING AND REGULATORY SIGNS SHALL BE POSTED ON BOTH SIDES OF THE ROADWAY ON DIVIDED HIGHWAYS, MULTI-LANE RAMPS, ONE-WAY STREETS AND AS DIRECTED BY THE ENGINEER IN CHARGE.

8. UNDER NO CIRCUMSTANCES SHALL A SIGN PANEL BE TRUNCATED OR TRIMMED SO THAT IT WILL NOT INTERFERE WITH TRAVEL WAY. IF THIS CONDITION EXISTS, THE ENGINEER IN CHARGE WILL DIRECT THE CONTRACTOR TO RELOCATE THAT SIGN AS NOT TO CAUSE ANY OBSTRUCTION WITH THE TRAVEL WAY.

9. WARNING FLAGS ON SIGNS MAY BE USED TO INCREASE TARGET VALUE AND VISIBILITY OF WORK ZONE SIGNS DURING DAYLIGHT HOURS.

10. THE DIMENSIONS OF WORK ZONE TRAFFIC CONTROL SIGNS ARE DESCRIBED ON STANDARD SHEET 619-12. THESE DIMENSIONS MAY BE INCREASED WHENEVER NECESSARY FOR GREATER LEGIBILITY OR EMPHASIS.

DELINEATION AND GUIDING DEVICES

1. WHERE POSSIBLE ALL DELINEATION AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2 FT LATERAL CLEARANCE TO THE TRAVELED WAY.

2. DEFORMED OR DAMAGED CHANNELIZING DEVICES THAT DO NOT MAINTAIN APPEARANCE, COLOR AND REFLECTIVITY WILL BE EVALUATED FOR ACCEPTABILITY IN ACCORDANCE WITH THE AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) "QUALITY GUIDELINES FOR WORK ZONE TRAFFIC CONTROL DEVICES". AS THE CONDITION OF DEVICES DETERIORATE OVER TIME, THOSE THAT FALL BELOW THE MARGINAL CATEGORY SHALL BE REPLACED.

PUBLIC ACCESS

1. ACCESS TO RESIDENTIAL AND COMMERCIAL DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES, UNLESS OTHER AGREEMENTS, SUITABLE TO THE OWNERS, CAN BE MADE. PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 24 HOURS PRIOR TO RESTRICTING USE OF THE DRIVE. THE CONTRACTOR SHALL MAINTAIN ACCESS TO COMMERCIAL DRIVEWAYS AT ALL TIMES WHEN A FACILITY IS IN USE. FOR MULTIPLE ACCESS PROPERTIES, ONLY ONE DRIVEWAY MAY BE CLOSED AT ONE TIME. ACCESS SHALL BE RESTORED TO ALL DRIVEWAYS AS SOON AS POSSIBLE.

2. SUITABLE RAMPS SHALL BE INSTALLED TO MAINTAIN SMOOTH TRANSITIONS FROM RESIDENTIAL AND COMMERCIAL DRIVEWAYS TO AND FROM THE WORK AREA. THE MATERIAL SHALL CONSIST OF CRUSHED STONE OR ASPHALT CONCRETE, WHICHEVER IS DEEMED MORE APPROPRIATE FOR THE CIRCUMSTANCE, AOBE. PLASTIC DRUMS OR OTHER APPROVED TRAFFIC CONTROL DEVICES SHALL BE USED TO DELINEATE THE DRIVEWAY AND TO CONTROL ACCESS DURING NON-WORKING HOURS. PAYMENT UNDER ITEM 619.01.

LANE CLOSURES

1. THE CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION WHENEVER POSSIBLE DURING CONSTRUCTION. USE SINGLE LANE SHIFT SETUP ON DRAWING TCP-02 AS NEEDED, MAINTAINING 13 FOOT MINIMUM LANE WIDTHS.

2. WHEN THERE IS INSUFFICIENT WIDTH ON EAST BRIGHTON AVENUE TO MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION WITH THE WORK AREA, TRAFFIC SHALL BE MAINTAINED USING A SHORT TERM LANE CLOSURE AND FLAGGERS. SEE SETUP ON DRAWING TCP-01.

3. IF, IN THE OPINION OF THE ENGINEER, SHORT TERM LANE CLOSURES ARE CREATING EXCESSIVE DELAYS TO TRAFFIC OR ARE CREATING A SAFETY CONCERN DUE TO SLOW OR STOPPED TRAFFIC, AFFECTED LANE CLOSURES SHALL BE REMOVED AND THE ROADWAY OPENED TO TRAFFIC.

4. THE ENGINEER MAY REQUIRE THAT ALL LANES BE RE-OPENED AT ANY TIME IF THE ROUTE IS NEEDED FOR EMERGENCY PURPOSES. THIS COULD INCLUDE INCIDENTS AT LOCATIONS NOT WITHIN THE PROJECT LIMITS.

BICYCLIST AND PEDESTRIANS

1. THE NEEDS AND CONTROL OF ALL ROAD USERS (MOTORISTS, BICYCLISTS, AND PEDESTRIANS WITHIN THE HIGHWAY INCLUDING PERSONS WITH DISABILITIES IN ACCORDANCE WITH THE AMERICAN WITH DISABILITIES ACT OF 1990 (ADA) TITLE II, PARAGRAPH 35.130) THROUGH A WORK ZONE SHALL BE AN ESSENTIAL PART OF THE HIGHWAY CONSTRUCTION, UTILITY WORK, MAINTENANCE, AND THE MANAGEMENT OF TRAFFIC INCIDENTS.

2. THE CONTRACTOR SHALL PROVIDE, DELINEATE AND MAINTAIN A USABLE TRAVEL PATH FOR PEDESTRIANS AND BICYCLISTS EITHER THROUGH OR AROUND WORK ZONES FOR THE DURATION OF THIS PROJECT, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE TRAVEL PATH SHALL COMPLY WITH THE PROVISIONS OF THE ADA GUIDELINES AND NYS HIGHWAY LAW, SECTION 316. THE CONTRACTOR MAY UTILIZE ANY COMBINATION OF THE FOLLOWING TO PROVIDE THE USABLE TRAVEL PATH: EXISTING SIDEWALKS/SHOULDERS; TEMPORARY SIDEWALKS/SHOULDERS; FINAL SIDEWALKS/SHOULDERS; AND EXISTING OR TEMPORARY SIDEWALK CURB RAMPS. THE USABLE TRAVEL PATH SHALL BE CLEARLY MARKED AND STAGED BETWEEN INTERSECTING ROADS TO ENSURE SAFE PEDESTRIAN CROSSING AND ACCESSIBILITY. PEDESTRIAN ACCESS TO RESIDENTIAL AND COMMERCIAL PROPERTIES SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION.

3. THE CONTRACTOR SHALL CONDUCT WORK OPERATIONS TO MINIMIZE THE INTERRUPTIONS OF PEDESTRIAN TRAFFIC. THIS SHALL INCLUDE BUT NOT LIMITED TO COMPLETING ALL SIDEWALK WORK ON ONE SIDE OF THE ROAD AT A TIME. THE TEMPORARY STORAGE OF CONSTRUCTION EQUIPMENT OR MATERIALS SHALL NOT BE PERMITTED ON ANY USABLE TRAVEL PATH THAT IS OPEN TO PEDESTRIAN TRAFFIC.

4. THE INSTALLATION OF TEMPORARY/FINAL SIDEWALK SHALL BE STAGED SO THAT WORK IS STARTED AND COMPLETED ON ONE SIDE OF THE ROAD PRIOR TO THE START OF ANY WORK ON THE OPPOSITE SIDE OF THE ROAD. WHEN A SECTION OF THE SIDEWALK/ USABLE TRAVEL PATH MUST BE CLOSED AND PEDESTRIAN TRAFFIC IS SHIFTED TO THE SIDEWALK/USABLE TRAVEL PATH ON THE OPPOSITE SIDE OF THE ROAD, PEDESTRIANS SHALL BE DIRECTED TO CROSS AT THE NEXT AVAILABLE INTERSECTION.

PAVEMENT MARKINGS

1. EXISTING PAVEMENT MARKINGS OUTSIDE OF PREVIOUSLY DISTURBED CONSTRUCTION ZONES SHALL BE MAINTAINED AND RE-STRIPED IF REQUIRED BY THE ENGINEER. EXISTING MARKINGS, LETTERS AND SYMBOLS WILL BE RE-APPLIED AS NECESSARY, AOBE. PAVEMENT MARKINGS THAT HAVE BEEN OBLITERATED BY THE OPERATION OF UTILITY COMPANIES SHALL BE MAINTAINED AS ORDERED BY THE ENGINEER. PAYMENT UNDER ITEM 619.01.

2. PAVEMENT MARKINGS SHALL BE MAINTAINED IN ACCORDANCE WITH THE CONTRACT PLANS.

3. TEMPORARY MARKINGS (ITEM 619.0901) ON THE MILLED SURFACE, BINDER COURSE AND TOP COURSE SHALL CONSIST OF CENTERLINE YELLOW BARRIER LINE, BROKEN LANE LINES, EDGE LINES AT BIKE LANES, STOP BARS AND TYPE S CROSSWALK MARKINGS.

BUMPS

1. A W8-1 "BUMP" SIGN SHALL BE PLACED ON ALL APPROACHES WHERE A BUMP IS PRESENT IN THE ROADWAY. WHERE NUMEROUS BUMPS OR DIPS OCCUR, THE W8-1 "BUMP" SIGN SHALL BE REPLACED WITH A W8-8 "ROUGH ROAD" SIGN.

BARRIER/SHADOW VEHICLE

1. A SHADOW VEHICLE IS REQUIRED FOR SETTING UP OF TEMPORARY TRAFFIC CONTROL SIGNS AND DEVICES.

2. IN ADDITION TO THE REQUIREMENTS OF SECTION 619 OF THE STANDARD SPECIFICATIONS, AND UNLESS OTHERWISE APPROVED BY THE EIC, THE CONTRACTOR SHALL PROVIDE BARRIER VEHICLES FOR ALL ACTIVE WORK AREAS OCCUPYING ANY TRAVEL LANE CLOSED TO TRAFFIC WITH CONES, DRUMS OR OTHER CHANNELIZING DEVICES. A SEPARATE BARRIER VEHICLE SHALL BE PROVIDED FOR EACH CLOSED LANE. EXCEPTIONS TO THIS REQUIREMENT MAY BE MADE WHERE, AS DETERMINED BY THE EIC, THE BARRIER VEHICLE PLACEMENT WOULD BE INEFFECTIVE.

FLAGGERS

1. WHEN FLAGGERS ARE BEING USED FOR TRAFFIC CONTROL PURPOSES, FLAGGER SIGNS (W20-7) SHALL BE PLACED AS SHOWN ON PROPOSAL OR AOBE ON ALL APPROACHES TO THE AREAS BEING FLAGGED. THE COST OF FLAGGER SIGNS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL. FLAGGER SIGNS SHALL NOT BE USED FOR BRIEF PERIODS OF INCIDENTAL FLAGGING. FLAGGER SIGNS SHALL NOT BE VISIBLE WHEN FLAGGERS ARE NOT BEING USED.

2. STOP/SLOW PADDLES SHALL BE USED FOR FLAGGING AND SHALL CONFORM TO THE REQUIREMENTS IN THE MUTCD BUT SHALL BE A MINIMUM OF 24 INCHES. THE COST OF THESE PADDLES AND ALL FLAGGERS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.

3. FLAGGERS SHALL NOT POSITION THEMSELVES DIRECTLY IN THE PATH OF ONCOMING TRAFFIC. THE FLAGGER SHOULD STAND EITHER ON THE SHOULDER ADJACENT TO THE TRAFFIC BEING CONTROLLED OR IN THE CLOSED/CHANNELIZED LANE. AT ALL TIMES, THE CONTRACTOR SHALL PROVIDE FLAGGERS WITH A CLEAR ESCAPE PATH, FREE OF PARKED VEHICLES, EQUIPMENT OR OTHER OBSTACLES.

4. THE CONTRACTOR SHALL PROVIDE FLAGGERS WHERE SIGHT DISTANCES ARE IMPAIRED BY THE OPERATION OR IN ANY OTHER SITUATION AOBE.

   FLAGGERS SHALL BE REQUIRED TO USE TWO-WAY RADIOS, WALKIE -TALKIES, OR OTHER FORMS OF ENHANCED COMMUNICATION WHEN ONE FLAGGER IS NOT VISIBLE TO THE OTHER OR IF THE ENGINEER DEEMS IT NECESSARY. ALL COSTS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.

5. FLAGGERS SHALL USE THE FREE HAND FOR EMPHASIS AS SHOWN IN PART 6 OF THE MUTCD. EACH FLAGGER SHALL CONTROL NO MORE THAN ONE APPROACH OF TRAFFIC.

6. THE ENGINEER SHALL DETERMINE THE NUMBER OF FLAGGERS NEEDED FOR EACH WORK ZONE. UNDER CERTAIN GEOMETRIC AND TRAFFIC SITUATIONS, MORE THAN ONE FLAGGER STATION MAY BE REQUIRED FOR EACH DIRECTION OF TRAFFIC.

7. FLAGGER STATIONS SHOULD BE VISIBLE FAR ENOUGH AHEAD TO PERMIT ALL VEHICLES TO STOP. THE FLAGGER SHOULD BE STATIONED FAR ENOUGH AHEAD OF THE WORK TO WARN THEM WITH AIR HORNS, TO COMPLY WITH CURRENT SPECIFICATIONS OF APPROACHING DANGER, SUCH AS VEHICLES OUT OF CONTROL.

8. WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE HIGHWAY WITHIN THE TEMPORARY TRAFFIC CONTROL ZONE, ADDITIONAL TRAFFIC CONTROL DEVICES AND FLAGGERS SHALL BE PROVIDED.

OPEN CUTS IN PAVEMENT

1. ALL ROADWAY AREAS TEMPORARILY CLOSED FOR FULL DEPTH REPAIRS, TRENCHING FOR CURB WORK, DRIVEWAY EXCAVATION OR EXCAVATION REQUIRED FOR DRAINAGE STRUCTURES REPAIRS SHALL BE REOPENED AT THE END OF THE WORK DAY. AT ALL TIMES WHEN WORK IS NOT IN PROGRESS, ALL OPENINGS SHALL BE COVERED WITH ANCHORED STEEL PLATES OR SHALL BE BACKFILLED IN ACCORDANCE WITH SECTION 203-3.15 OR TO A DEPTH AS ORDERED BY THE ENGINEER. IF ANCHORED STEEL PLATES ARE THE CHOSEN OPTION, THE CONTRACTOR SHALL SUBMIT THE PROPOSED METHOD OF ANCHORING THE STEEL PLATES TO THE ENGINEER FOR THE APPROVAL PRIOR TO STARTING ANY ROADWAY EXCAVATION. THE STEEL PLATES SHALL BE RAMPED WITH A BITUMINOUS MATERIAL PRIOR TO OPENING THE LANE. A ROUGH ROAD SIGN (W8-8) WITH A SUPPLEMENTAL DISTANCE PANEL (W7-3aP OR W16-4P) SHALL BE PLACED AT THE END OF WORK LIMITS FOR THAT STREET. THE DISTANCE ON THE SUPPLEMENTAL DISTANCE PANEL SHALL BE THE LENGTH OF THE WORK LIMITS FOR THAT STREET. THE COST OF THIS WORK INCLUDING ALL LABOR, MATERIALS (EXCEPT ASPHALT), EQUIPMENT, AND ANY RE-EXCAVATION OF TEMPORARY RESTORED AREAS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.

2. TEMPORARY HOT MIX ASPHALT WEDGES SHALL BE REQUIRED AT PAVEMENT TERMINATION AREAS IN ORDER TO PROVIDE A SMOOTH TRAVELED WAY. THE TAPER RATE BETWEEN THE EXISTING AND MILLED SURFACES SHALL BE 1 ON POSTED SPEED LIMIT. THE WEDGE MATERIAL SHALL BE THE SAME AS THE TOP COURSE ITEM USED IN THE CONTRACT OR EQUIVALENT, AOBE. THE COST OF NECESSARY CLEANING, TACK COAT, HMA PLACEMENT AND REMOVAL SHALL BE PAID FOR UNDER ITEM 619.01, BASIC WORK ZONE TRAFFIC CONTROL.

LOCAL EVENTS

1. EVENTS AT SYRACUSE UNIVERSITY'S JMA WIRELESS DOME ARE LIKELY TO OCCUR DURING CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL BE AWARE THAT LARGE EVENTS MAY DIRECTLY OR INDIRECTLY IMPACT THEIR WORK AT EAST BRIGHTON AVENUE AND AINSLEY DRIVE.

PORTABLE VARIABLE MESSAGE SIGNS (PVMS)

1. PVMS UNITS SHALL BE LOCATED A.O.BE. IN THE SOUTHBOUND DIRECTION AT THE INTERSECTIONS OF THURBER STREET AND BRIGHTON PLAZA, NORTHBOUND DIRECTION AT THE INTERSECTIONS OF AINSLEY DRIVE, EAST SENECA TURNPIKE AND THE CITY LIMIT THROUGHOUT THE PROJECT.

TWO WEEKS BEFORE CONSTRUCTION:		DURING CONSTRUCTION:	
ROAD WORK TO BEGIN	DAY DATE TIME	ROAD WORK AHEAD	USE CAUTION

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STATE OF NEW YORK · DOUGLAS OWEN STRAUSS · LICENSED PROFESSIONAL ENGINEER · NO. 073767

Syracuse New York

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

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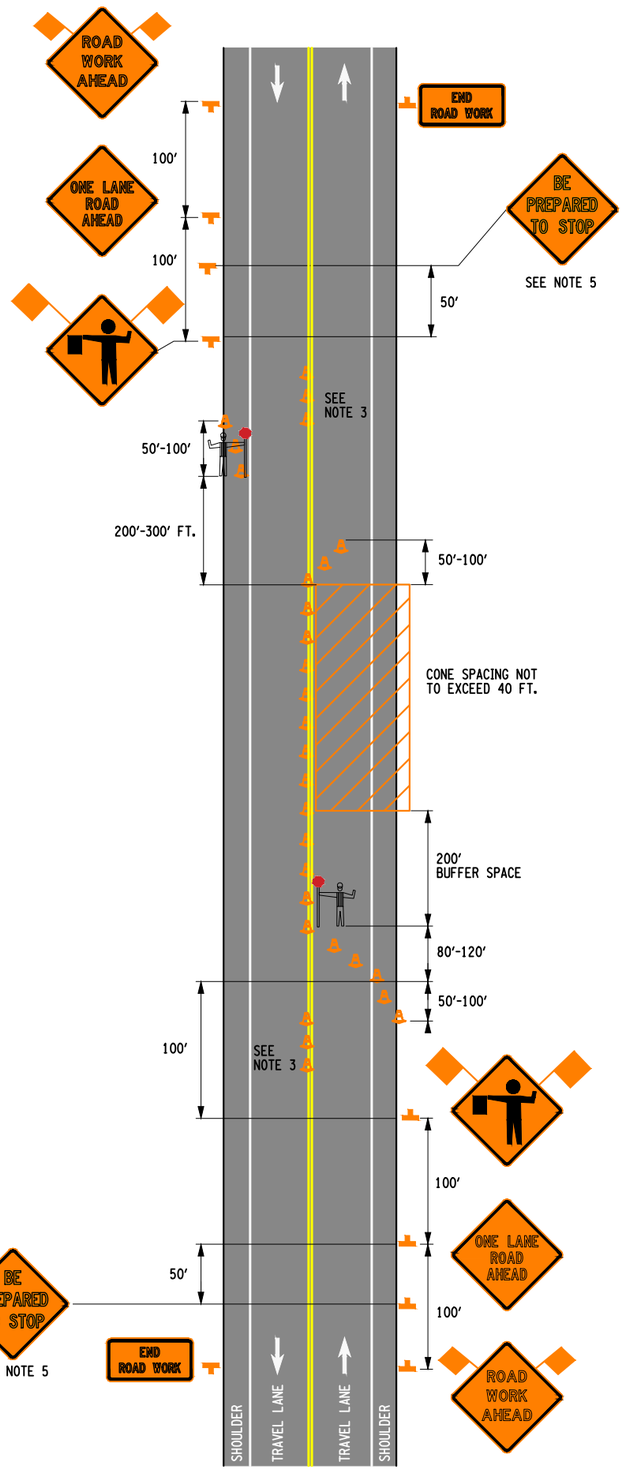
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TRAFFIC CONTROL NOTES

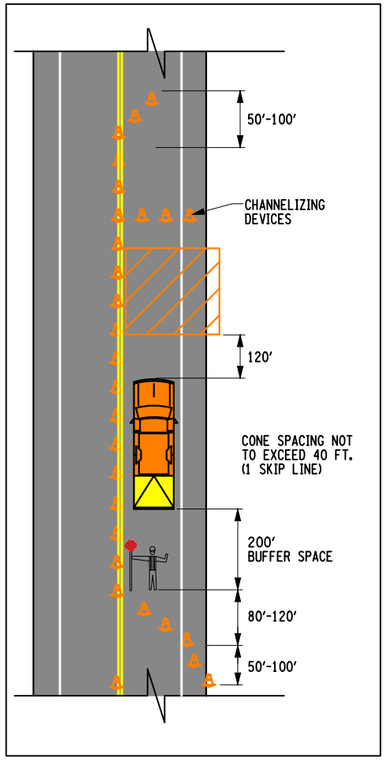
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307A: REQUIRED SETUP



307B: OPTIONAL SETUP WITH PROTECTIVE VEHICLE (SEE NOTE 6)

FLAGGING OPERATION
BASED ON NYSDOT STD. SHT. 619-307

SHORT OR INTERMEDIATE TERM STATIONARY LANE CLOSURE ON 2-LANE 2-WAY ROADWAY
NOT TO SCALE

PROTECTIVE VEHICLE REQUIREMENTS		
CLOSURE TYPE	EXPOSURE CONDITIONS (SEE NOTE 1)	
LANE CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	PVL
	OTHER HAZARDS NO WORKERS EXPOSED	SEE NOTE 2
SHOULDER CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	PVL
	OTHER HAZARDS NO WORKERS EXPOSED	SEE NOTE 2

LEGEND
PVL: PROTECTIVE VEHICLE (MINIMUM GROSS WEIGHT 9,500 LBS. OR GREATER)

NOTES:
1. THE EXPOSURE CONDITIONS ASSUMES THERE IS NO POSITIVE PROTECTION PRESENT.

2. EITHER A PROTECTIVE LIGHT VEHICLE (PVL) OR THE STANDARD BUFFER SPACE SHALL BE PROVIDED.

NOTES:

1. SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAY PERIOD.
2. 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.
3. CENTERLINE CONES MAY BE ADDED TO ENHANCE THE VISIBILITY OF THE FLAGGER STATION. IF CONES ARE USED, PLACE THEM 100 FT. (MINIMUM) FROM FLAGGER.
4. 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 OCCURING.
5. IF THE TRAFFIC IS EXPECTED TO QUEUE PAST THE W20-4 SIGN, A W3-4 SIGN SHOULD BE ADDED.
6. IF CONDITIONS WARRANT, PROTECTIVE VEHICLE WITH APPROPRIATE ROLL AHEAD DISTANCE MAY BE USED IN ADVANCE OF THE WORK AREA. TO USE PROTECTIVE VEHICLE, BUFFER SPACE SHALL BE PROVIDED ACCORDINGLY.
7. 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.
8. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40′ IN THE ACTIVE WORK SPACE.
9. 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′.
10. 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 CONTRADICTING INFORMATION TO DRIVERS TRAVELING IN OPPOSITE DIRECTIONS/LEGS OF THE INTERSECTION OR DURING INCIDENT MANAGEMENT SITUATIONS.



G20-2
36"x18"

THIS SIGN SHALL BE LOCATED A MINIMUM DISTANCE OF 80 FT AND MAXIMUM OF 400 FT PAST THE END OF THE DOWNSTREAM TAPER.



W20-7
(SEE NOTE 4)
36"x36"



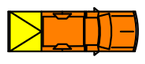
W20-1
36"x36"



W20-4
(SEE NOTE 4)
36"x36"



W3-4
SEE NOTE 5)
36"x36"



PROTECTIVE VEHICLE
SEE TABLE



FLAGGER



WORK AREA

CONE



NYR9-11

THIS SIGN SHALL BE LOCATED A MINIMUM DISTANCE OF 300 FT AND MAXIMUM OF 500 FT AHEAD OF THE W20-1 ROAD WORK AHEAD SIGN.

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRAUSER
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse
NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

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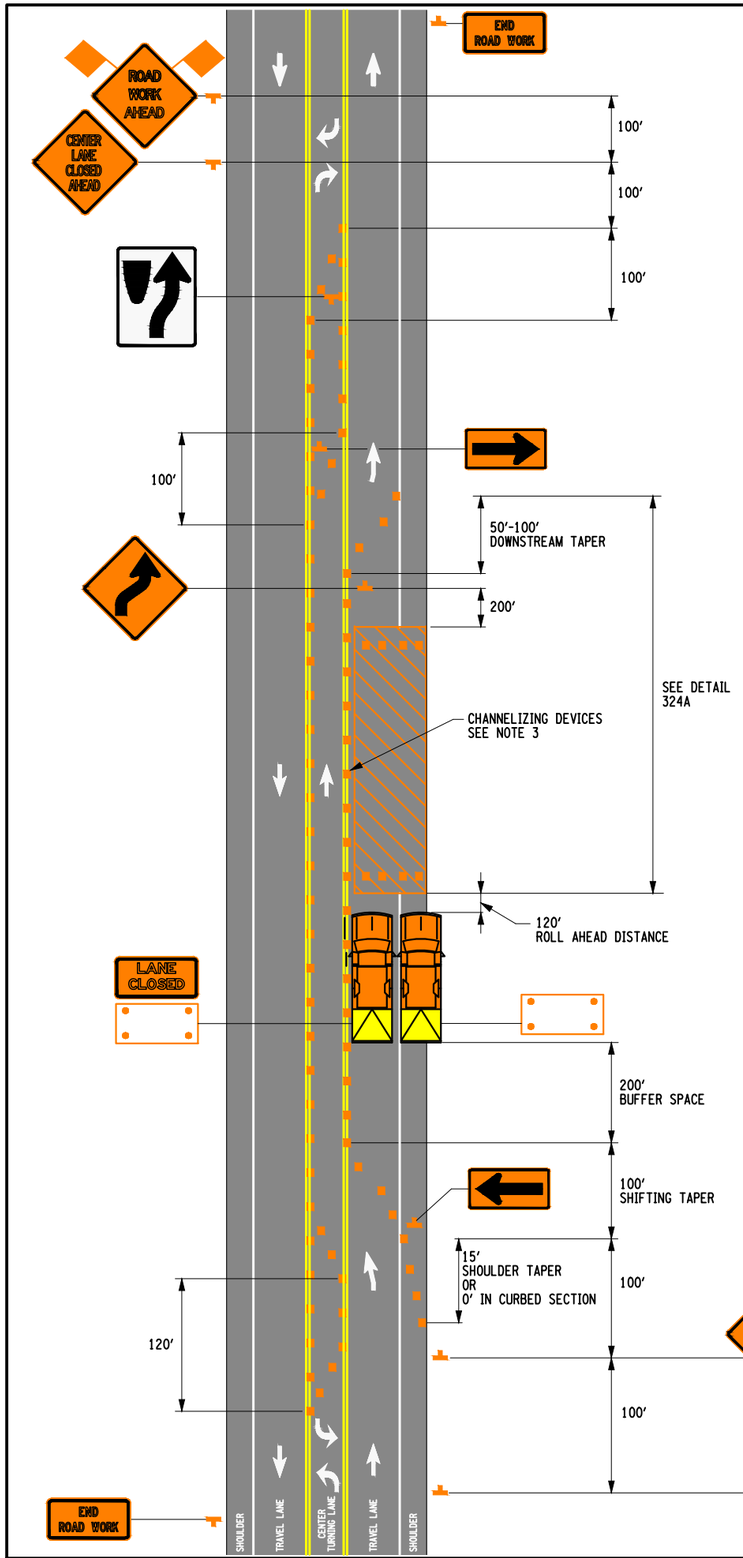
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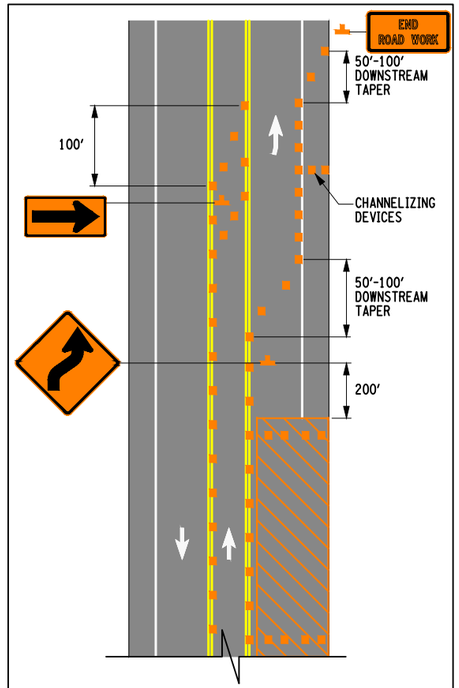
TRAFFIC CONTROL PLAN

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DETAIL 324A: SEE NOTE 4

LANE SHIFT

BASED ON NYSDOT STD. SHT. 619-324

TWO-LANE TWO-WAY ROADWAY SINGLE LANE SHIFT
WITH TWO-WAY LEFT TURN LANE SHORT TERM OPERATION

NOT TO SCALE

PROTECTIVE VEHICLE REQUIREMENTS		
CLOSURE TYPE	EXPOSURE CONDITIONS (SEE NOTE 1)	
LANE CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	PVL
	OTHER HAZARDS NO WORKERS EXPOSED	SEE NOTE 2
SHOULDER CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	PVL
	OTHER HAZARDS NO WORKERS EXPOSED	SEE NOTE 2

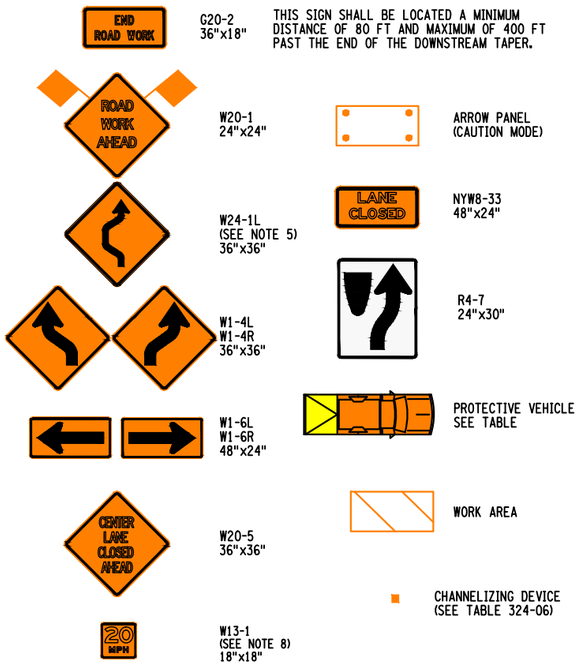
LEGEND
PVL: PROTECTIVE VEHICLE (MINIMUM GROSS WEIGHT 9,500 LBS. OR GREATER)

NOTES:
1. THE EXPOSURE CONDITIONS ASSUMES THERE IS NO POSITIVE PROTECTION PRESENT.

2. EITHER A PROTECTIVE LIGHT VEHICLE (PVL) OR THE STANDARD BUFFER SPACE SHALL BE PROVIDED.

NOTES:

1. SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.
2. NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
3. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40′ IN THE ACTIVE WORK SPACE, AND 20′ IN THE TURN LANE TAPER SPACE.
4. 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′.
5. WHERE THE SHIFTED SECTION IS LONGER THAN 600′, ONE REVERSE CURVE SIGN SHOULD BE USED TO SHOW THE INITIAL SHIFT AND A SECOND SIGN SHOULD BE USED TO SHOW THE RETURN TO THE NORMAL ALIGNMENT. IF THE TANGENT DISTANCE ALONG THE TEMPORARY DIVERSION IS LESS THAN 600′, THE DOUBLE REVERSE CURVE SIGN (W24-1L) SHOULD BE USED INSTEAD OF THE FIRST REVERSE CURVE SIGN (W1-4L) AND THE SECOND REVERSE CURVE SIGN (W1-4L) SHOULD BE OMITTED.
6. THE ENGINEER MAY REQUIRE THE USE OF AN ADVISORY SPEED PLAQUE (W13-1) TO SUPPLEMENT A WARNING SIGN. THE PLAQUE WILL BE USED TO INDICATE AN ADVISORY SPEED FOR THE WORK ZONE CONDITION. (I.E. NARROW LANES, BUMPS, POOR ROADWAY SURFACE, LOW OR NO SHOULDER, DROP-OFFS, GEOMETRIC CONSTRAINTS, AND/OR POOR SIGHT CONDITIONS).
7. THE PROTECTIVE VEHICLE(S) SHALL MAINTAIN THE APPROPRIATE ROLL AHEAD DISTANCE, BE AN UNOCCUPIED TRUCK POSITIONED PARALLEL TO TRAFFIC. PARKING BRAKE SET, PLACED IN 2ND GEAR (MANUAL TRANSMISSIONS/ENGINE OFF) OR PARK/NEUTRAL (AUTOMATIC TRANSMISSIONS) AND HAVE THE FRONT WHEELS ALIGNED WITH THE LANE STRIPING.
8. AN ADVISORY SPEED PLAQUE (W13-1) IS RECOMMENDED TO SUPPLEMENT A WARNING SIGN IN ORDER TO INDICATE AN ADVISORY SPEED FOR THE WORK ZONE CONDITION (IE. NARROW LANES, BUMPS, POOR ROADWAY SURFACE, LOW OR NO SHOULDER, DROP-OFFS, GEOMETRIC CONSTRAINTS, AND/OR POOR SIGHT CONDITIONS).
9. LONG-TERM OPERATIONS WITH LANE CLOSURES MAY REQUIRE INTERIM PAVEMENT MARKINGS (ITEM 619.100103). PLACEMENT SHALL BE AT THE DIRECTION OF THE ENGINEER IN CHARGE.



FLAGGING OPERATION

BASED ON NYSDOT STD. SHT. 619-307

SHORT OR INTERMEDIATE TERM STATIONARY
LANE CLOSURE ON 2-LANE 2-WAY ROADWAY

NOT TO SCALE

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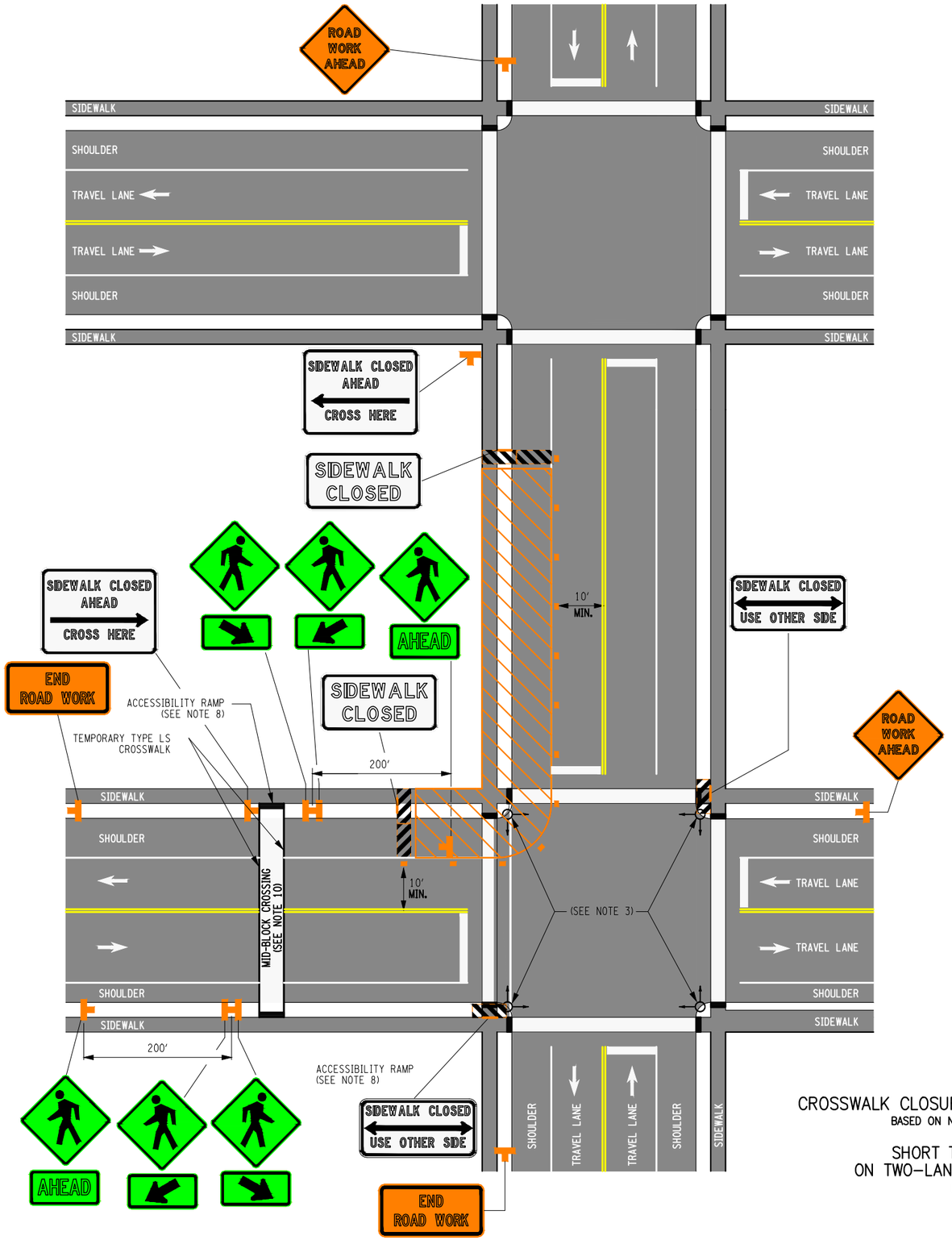
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TRAFFIC CONTROL PLAN

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CROSSWALK CLOSURE AND PEDESTRIAN DETOUR
BASED ON NYSDOT STD. SHT. 619-322

SHORT TERM OPERATIONS
ON TWO-LANE TWO-WAY ROADWAY
NOT TO SCALE

NOTES:

1. SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.
2. PARKING ALONG THE CURB SHALL BE PROHIBITED FOR AT LEAST 50' IN ADVANCE OF THE MID-BLOCK CROSSWALK. IF THE SHOULDER IS GREATER THAN OR EQUAL TO 8 FOOT, AN R8-3 SIGN IS RECOMMENDED TO PREVENT PARKING ON SHOULDER.
3. PEDESTRIAN TRAFFIC SIGNAL DISPLAYS CONTROLLING CLOSED CROSSWALKS SHOULD BE COVERED OR DEACTIVATED.
4. ONLY THE WORK ZONE TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN. OTHER DEVICES, SUCH AS LANE/SHOULDER CLOSURE SIGNING, ROAD NARROWS SIGNS (W5-4), OR NO PARKING SIGNS MAY BE USED TO CONTROL VEHICULAR TRAFFIC.
5. ANY FEATURES CONSTRUCTED AS PART OF A PEDESTRIAN DETOUR MUST BE ADA COMPLIANT AND FOLLOW THE 2011 PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG). TEMPORARY RAMPS AND OTHER TEMPORARY PEDESTRIAN FACILITIES SHALL BE PAID FOR UNDER THE APPROPRIATE ITEM FOR HOT MIX ASPHALT (HMA) SIDEWALKS.
6. PROWAG SECTION R205 AND MUTCD PART 6 SHALL APPLY TO ALL TEMPORARY ALTERNATIVE PEDESTRIAN PATHWAYS.
7. TYPE III BARRICADES SHALL BE THE FULL WIDTH OF THE PATH BEING CLOSED.
8. THE GRADE (RUNNING SLOPE), AND CROSS SLOPE OF A TEMPORARY CURB RAMP FOR DESIGN AND LAYOUT SHALL BE IN ACCORDANCE WITH STANDARD SHEET 608-01.
9. ACCESS TO BUSINESS ENTRANCES AND TRANSIT STOPS WILL NEED TO BE MAINTAINED. IF THE PEDESTRIAN FACILITY CURRENTLY HAS A TRANSIT STOP THAT WILL BE AFFECTED BY THE WORK ZONE, PRACTITIONERS SHOULD CONSULT THE TRANSIT AUTHORITIES THAT SERVICE THE AFFECTED STOP TO DETERMINE HOW TO ACCOMMODATE THE STOP.
10. ALL MID BLOCK CROSSWALKS SHALL BE APPROVED BY THE DOT REGIONAL DIRECTOR OR HIS/HER DESIGNEE.

END ROAD WORK — G20-2 36"x18" — THIS SIGN SHALL BE LOCATED A MINIMUM DISTANCE OF 80 FT AND MAXIMUM OF 400 FT PAST THE END OF THE DOWNSTREAM TAPER.

AHEAD — W16-9P 24"X12"

ROAD WORK AHEAD — W20-1 36"X36"

W16-7PR 24"x12" / W16-7PL 24"X12"

SIDEWALK CLOSED AHEAD CROSS HERE — R9-11L 24"x18"

W11-2R 36"x36" / W11-2L 36"X36"

SIDEWALK CLOSED — R9-9 24"X12"

R8-3 (SEE NOTE 2) 24"X24"

SIDEWALK CLOSED USE OTHER SIDE — R9-10 24"X12"

SIDEWALK CLOSED AHEAD CROSS HERE — R9-11R 24"X18"

WORK AREA

TYPE III BARRICADE

CHANNELIZING DEVICE (SEE TABLE 322-02)

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PROJECT NO:	119.429.001
DATE:	JANUARY 2025
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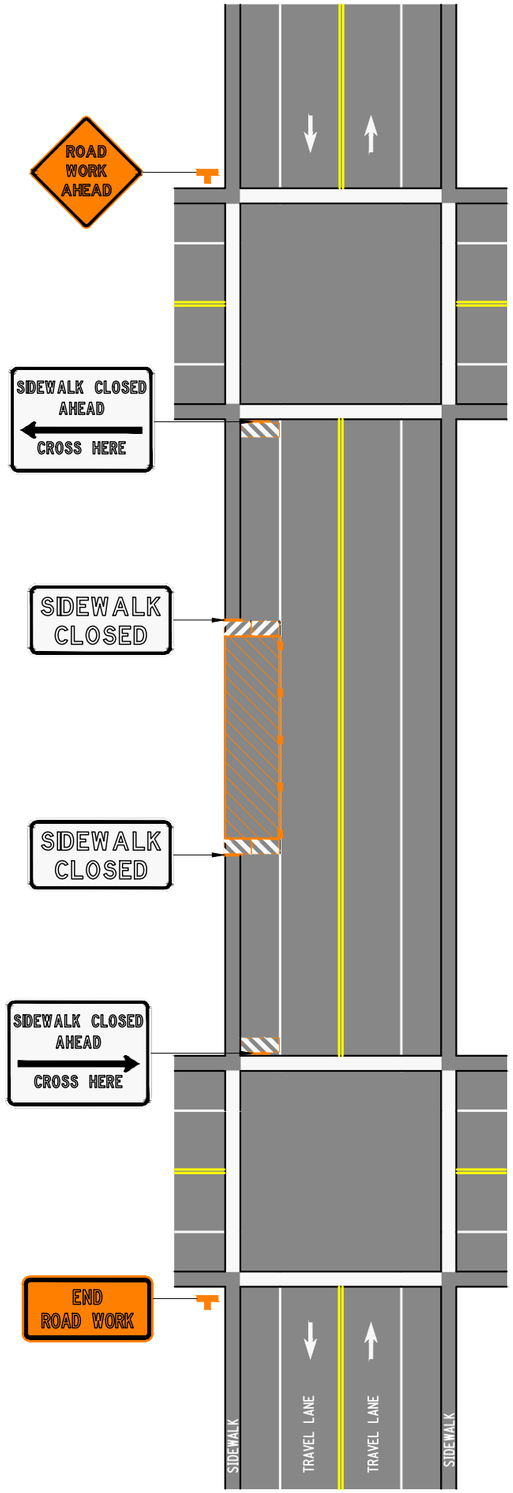
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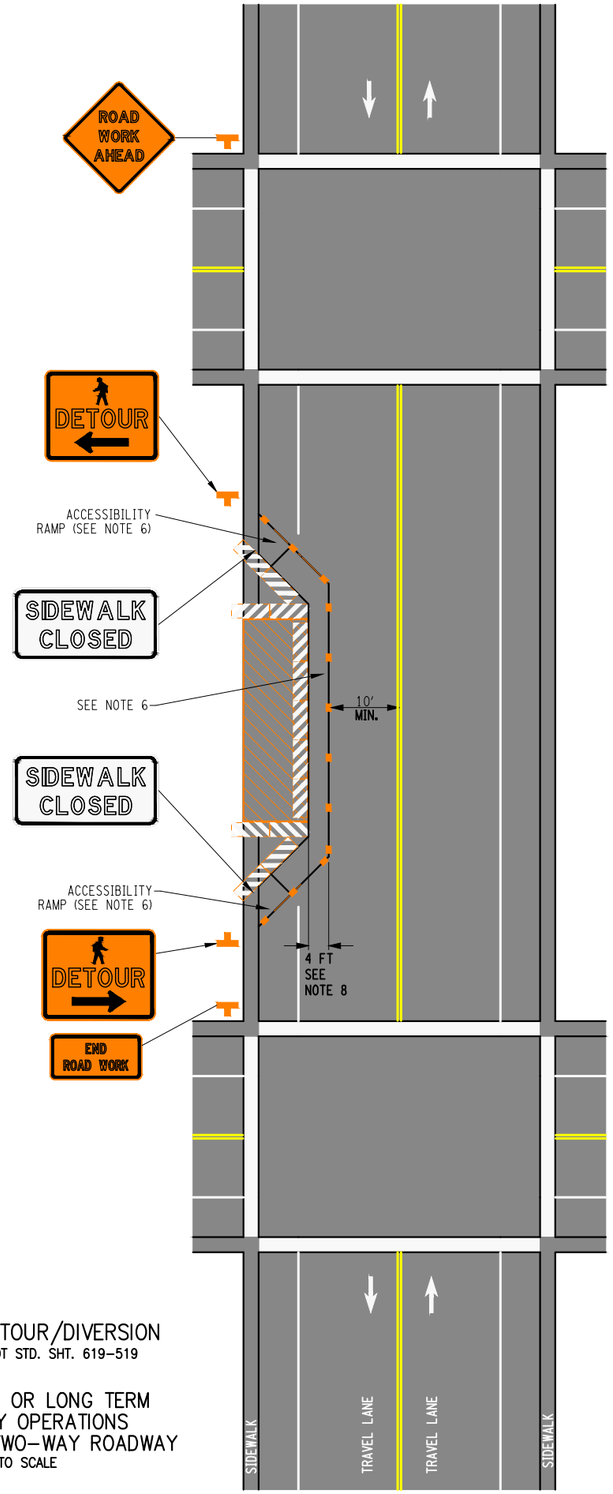
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SIDEWALK DETOUR



SIDEWALK DIVERSION

SIDEWALK DETOUR/DIVERSION
BASED ON NYSDOT STD. SHT. 619-519

INTERMEDIATE OR LONG TERM
STATIONARY OPERATIONS
ON TWO-LANE TWO-WAY ROADWAY
NOT TO SCALE

NOTES:

1. LONG-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN 3 CONSECUTIVE DAYS. THIS SETUP CAN ALSO BE USED FOR INTERMEDIATE TERM WORK.
2. ANY SIDEWALK DIVERSION MUST BE ADA COMPLIANT AND FOLLOW THE 2011 PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG). TEMPORARY RAMPS AND OTHER TEMPORARY PEDESTRIAN FACILITIES SHALL BE PAID FOR UNDER THE APPROPRIATE ITEM FOR HOT MIX ASPHALT (HMA) SIDEWALKS.
3. PROWAG SECTION R205 AND MUTCD PART 6 SHALL APPLY TO ALL TEMPORARY ALTERNATIVE PEDESTRIAN PATHWAYS.
4. ONLY THE WORK ZONE TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN. OTHER DEVICES, SUCH AS LANE/SHOULDER CLOSURE SIGNING, ROAD NARROWS SIGNS (W5-4), OR NO PARKING SIGNS MAY BE USED TO CONTROL VEHICULAR TRAFFIC.
5. TYPE III BARRICADES SHALL BE THE FULL WIDTH OF THE PATH BEING CLOSED.
6. THE GRADE (RUNNING SLOPE) OF A TEMPORARY CURB RAMP FOR DESIGN AND LAYOUT SHALL BE IN ACCORDANCE WITH STANDARD SHEET 608-01.
7. ACCESS TO BUSINESS ENTRANCES AND TRANSIT STOPS WILL NEED TO BE MAINTAINED. IF THE PEDESTRIAN FACILITY CURRENTLY HAS A TRANSIT STOP THAT WILL BE AFFECTED BY THE WORK ZONE, PRACTITIONERS SHOULD CONSULT THE TRANSIT AUTHORITIES THAT SERVICE THE AFFECTED STOP TO DETERMINE HOW TO ACCOMMODATE THE STOP.
8. A MINIMUM 4' CLEAR WIDTH SHALL BE MAINTAINED. THE MAXIMUM LENGTH OF A 4' WIDE PEDESTRIAN PATHWAY SHALL NOT EXCEED 200'.

NOTES ON NIGHTTIME WORK:

N1. WORK OCCURRING AFTER SUNSET AND BEFORE SUNRISE WILL BE CONSIDERED NIGHTTIME OPERATIONS.

N2. ALL SIGNS, STOP/SLOW PADDLES AND RED FLAGS USED TO WARN/ALERT/CONTROL TRAFFIC SHALL BE RETROREFLECTIVE.

N3. ALL WORKERS INVOLVED SHALL WEAR PROTECTIVE HELMETS AND NIGHTTIME APPAREL IN ACCORDANCE WITH §107-05A. HIGH VISIBILITY APPAREL AT ALL TIMES.

N4. VEHICLES OPERATING ON THE PAVEMENT OF A CLOSED ROADWAY OR TRAVEL LANE SHALL DISPLAY ROTATING AMBER BEACONS OR FLASHING LED BEACONS AT ALL TIMES.

N5. LEVEL I ILLUMINATION SHALL BE PROVIDED NEAR THE BEGINNING OF LANE CLOSURE TAPERS AND AT ROAD CLOSURES, INCLUDING THE SETUP AND REMOVAL OF THE CLOSURE TAPERS.

N6. LEVEL II ILLUMINATION SHALL BE PROVIDED FOR FLAGGING STATIONS, ASPHALT PAVING, MILLING, AND CONCRETE PLACEMENT AND/OR REMOVAL OPERATIONS, INCLUDING BRIDGE DECKS, 50 FEET AHEAD OF AND 100 FEET BEHIND A PAVING OR MILLING MACHINE.

N7. LEVEL III ILLUMINATION SHALL BE PROVIDED FOR PAVEMENT OR STRUCTURAL CRACK FILLING, JOINT REPAIR, PAVEMENT PATCHING AND REPAIRS, INSTALLATION OF SIGNAL EQUIPMENT OR OTHER ELECTRICAL/MECHANICAL EQUIPMENT, AND OTHER TASKS INVOLVING FINE DETAILS OR INTRICATE PARTS AND EQUIPMENT.

N8. ALL LIGHTING SHALL BE DESIGNED, INSTALLED, AND OPERATED TO AVOID GLARE THAT AFFECTS TRAFFIC ON THE ROADWAY OR THAT CAUSES ANNOYANCE OR DISCOMFORT FOR RESIDENCES ADJOINING THE ROADWAY.

N9. PRIOR TO THE START OF NIGHTTIME OPERATIONS, A WRITTEN NIGHTTIME OPERATIONS AND LIGHTING PLAN IS REQUIRED FOR APPROVAL.

N10. AT NIGHT, EACH TYPE III CONSTRUCTION BARRICADE USED TO CLOSE A ROADWAY, A SEGMENT OF A ROADWAY OR A SIDEWALK SHALL BE EQUIPPED WITH ONE FLASHING WARNING LIGHT.

N11. SEE NIGHTTIME SAFETY BULLETIN, HDM §16.5.7, & STANDARD SPECIFICATIONS §619 FOR ADDITIONAL REQUIREMENTS AND CONSIDERATIONS.

END ROAD WORK — G20-2 36"x18" — THIS SIGN SHALL BE LOCATED A MINIMUM DISTANCE OF 80 FT AND MAXIMUM OF 400 FT PAST THE END OF THE DOWNSTREAM TAPER.

M4-9bL 30"x24" — DETOUR

DETOUR — M4-9bR 30"x24"

ROAD WORK AHEAD — W20-1 36"x36"

SIDEWALK CLOSED AHEAD / CROSS HERE — R9-11L 24"x18"

SIDEWALK CLOSED AHEAD / CROSS HERE — R9-11R 24"x18"

SIDEWALK CLOSED — R9-9 24"x12"

WORK AREA

ALLOWED CHANNELIZING DEVICE:
DRUMS, OVERSIZED VERTICAL PANELS,
TYPE II BARRICADES,
20' MAXIMUM SPACING (CENTER TO CENTER).

TYPE III BARRICADE

C&S COMPANIES
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STATE OF NEW YORK
DOUGLAS OWEN STRAUSER
LICENSED PROFESSIONAL ENGINEER
NO. 077367

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

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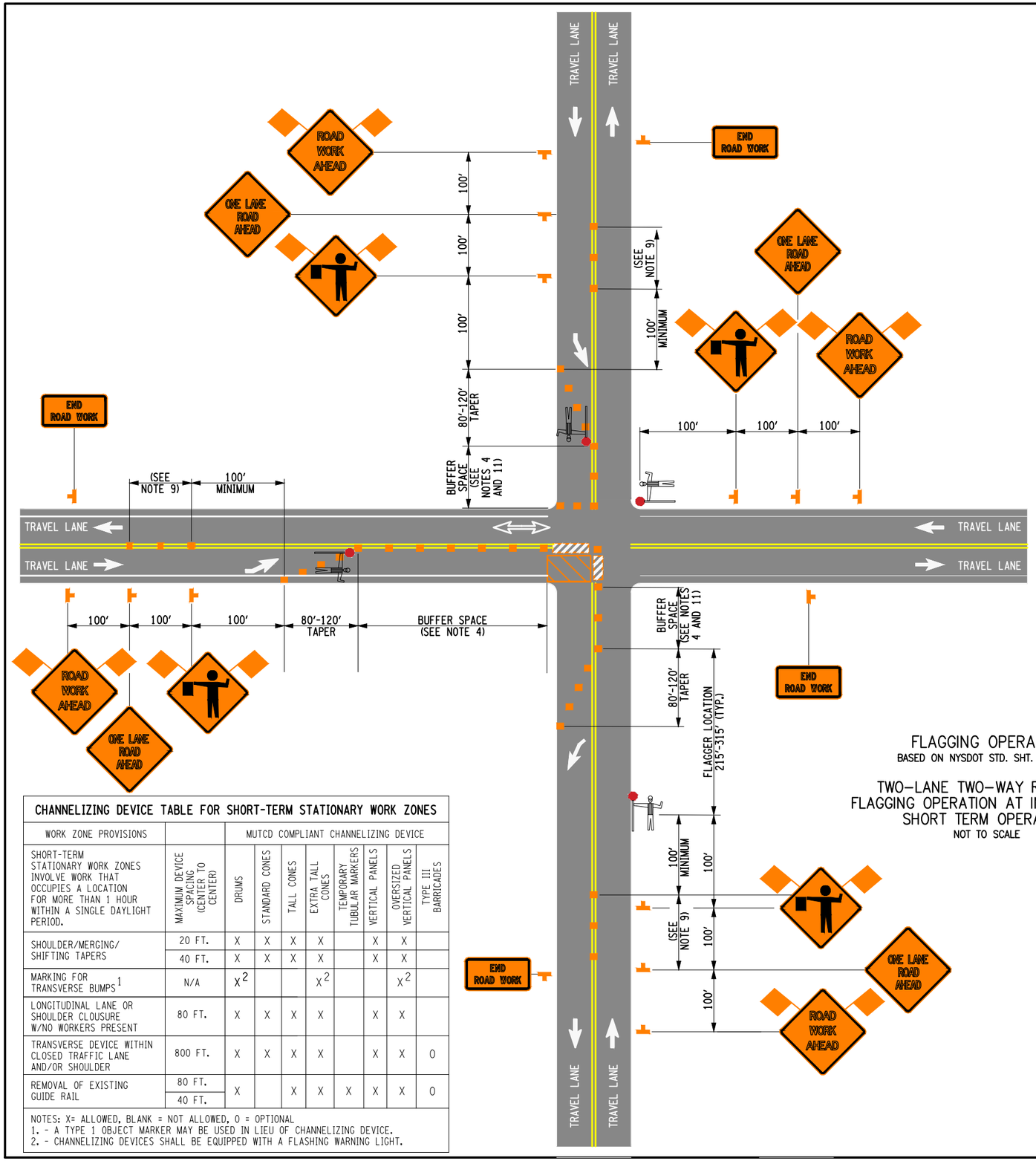
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TRAFFIC CONTROL PLAN

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FLAGGING OPERATION
BASED ON NYSDOT STD. SHT. 619-519

TWO-LANE TWO-WAY ROADWAY
FLAGGING OPERATION AT INTERSECTION
SHORT TERM OPERATION
NOT TO SCALE

NOTES:

1. SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.
2. AT SIGNALIZED INTERSECTIONS, SIGNALS SHALL BE TURNED OFF FOR ANY FLAGGING OPERATIONS, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
3. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40′ IN THE ACTIVE WORK SPACE.
4. WHERE DIRECTED BY THE ENGINEER, A BUFFER SPACE SHALL BE PROVIDED IN ORDER TO LOCATE THE ONE-LANE, TWO-WAY TRAFFIC TAPER PRIOR TO ANY HORIZONTAL OR VERTICAL CURVE, IN ORDER TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGERS AND/OR A QUEUE OF STOPPED VEHICLES.
5. IF THE TRAFFIC IS EXPECTED TO QUEUE PAST THE W20-4 SIGN, A W3-4 SIGN SHOULD BE ADDED HALFWAY BETWEEN THE W20-4 AND W20-1 SIGNS.
6. FLAGGER SIGN (W20-7a) AND ONE LANE ROAD AHEAD SIGN (W20-4) SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURING.
7. 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 CONTRADICTING INFORMATION TO DRIVERS TRAVELING IN OPPOSITE DIRECTIONS/LEGS OF THE INTERSECTION OR DURING INCIDENT MANAGEMENT SITUATIONS.
8. ADDITIONAL FLAGGERS SHALL BE LOCATED AT ALL INTERSECTIONS AND COMMERCIAL DRIVEWAYS LOCATED WITHIN OR NEAR THE ACTIVE WORK AREA.
9. CENTERLINE CONES MAY BE ADDED TO ENHANCE THE VISIBILITY OF THE FLAGGER STATION. IF CONES ARE USED, PLACE THEM 100 FT. (MINIMUM) FROM FLAGGER.
10. NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
11. PROTECTIVE VEHICLES WITH APPROPRIATE ROLL AHEAD DISTANCE MAY BE USED IN ADVANCE OF THE WORK AREA IF DEEMED NECESSARY BY THE RESIDENT ENGINEER OR THEIR DESIGNEE. TO USE THE PROTECTIVE VEHICLE, STANDARD BUFFER SPACE AND APPROPRIATE ROLL AHEAD DISTANCE SHALL BE PROVIDED IN ACCORDANCE WITH TABLES 011-03 AND 011-04 ON NYSDOT STANDARD SHEET 619.011.

END ROAD WORK — G20-2 36"x18" — THIS SIGN SHALL BE LOCATED A MINIMUM DISTANCE OF 80 FT AND MAXIMUM OF 400 FT PAST THE END OF THE DOWNSTREAM TAPER.



W20-7 (SEE NOTE 6) 36"x36"



W3-4 SEE NOTE 5) 36"x36"



W20-1 36"x36"

WORK AREA


FLAGGER



W20-4 (SEE NOTE 6) 36"x36"

CHANNELIZING DEVICE (SEE CHANNELIZING DEVICE TABLE)

TYPE III BARRICADE



NYR9-11 — THIS SIGN SHALL BE LOCATED A MINIMUM DISTANCE OF 300 FT AND MAXIMUM OF 500 FT AHEAD OF THE W20-1 ROAD WORK AHEAD SIGN.

CHANNELIZING DEVICE TABLE FOR SHORT-TERM STATIONARY WORK ZONES

WORK ZONE PROVISIONS	MAXIMUM DEVICE SPACING (CENTER TO CENTER)	MUTCD COMPLIANT CHANNELIZING DEVICE							
		DRUMS	STANDARD CONES	TALL CONES	EXTRA TALL CONES	TEMPORARY TUBULAR MARKERS	VERTICAL PANELS	OVERSIZED VERTICAL PANELS	TYPE III BARRICADES
SHORT-TERM STATIONARY WORK ZONES INVOLVE WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.									
SHOULDER/MERGING/ SHIFTING TAPERS	20 FT.	X	X	X	X		X	X	
	40 FT.	X	X	X	X		X	X	
MARKING FOR TRANSVERSE BUMPS [1]	N/A	X[2]			X[2]			X[2]	
LONGITUDINAL LANE OR SHOULDER CLOSURE W/NO WORKERS PRESENT	80 FT.	X	X	X	X		X	X	
TRANSVERSE DEVICE WITHIN CLOSED TRAFFIC LANE AND/OR SHOULDER	800 FT.	X	X	X	X		X	X	O
REMOVAL OF EXISTING GUIDE RAIL	80 FT.	X		X	X	X	X	X	O
	40 FT.								

NOTES: X= ALLOWED, BLANK = NOT ALLOWED, O = OPTIONAL
1. - A TYPE 1 OBJECT MARKER MAY BE USED IN LIEU OF CHANNELIZING DEVICE.
2. - CHANNELIZING DEVICES SHALL BE EQUIPPED WITH A FLASHING WARNING LIGHT.

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STATE OF NEW YORK — DOUGLAS OWEN STRAUSS — LICENSED PROFESSIONAL ENGINEER — NO. 073767

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

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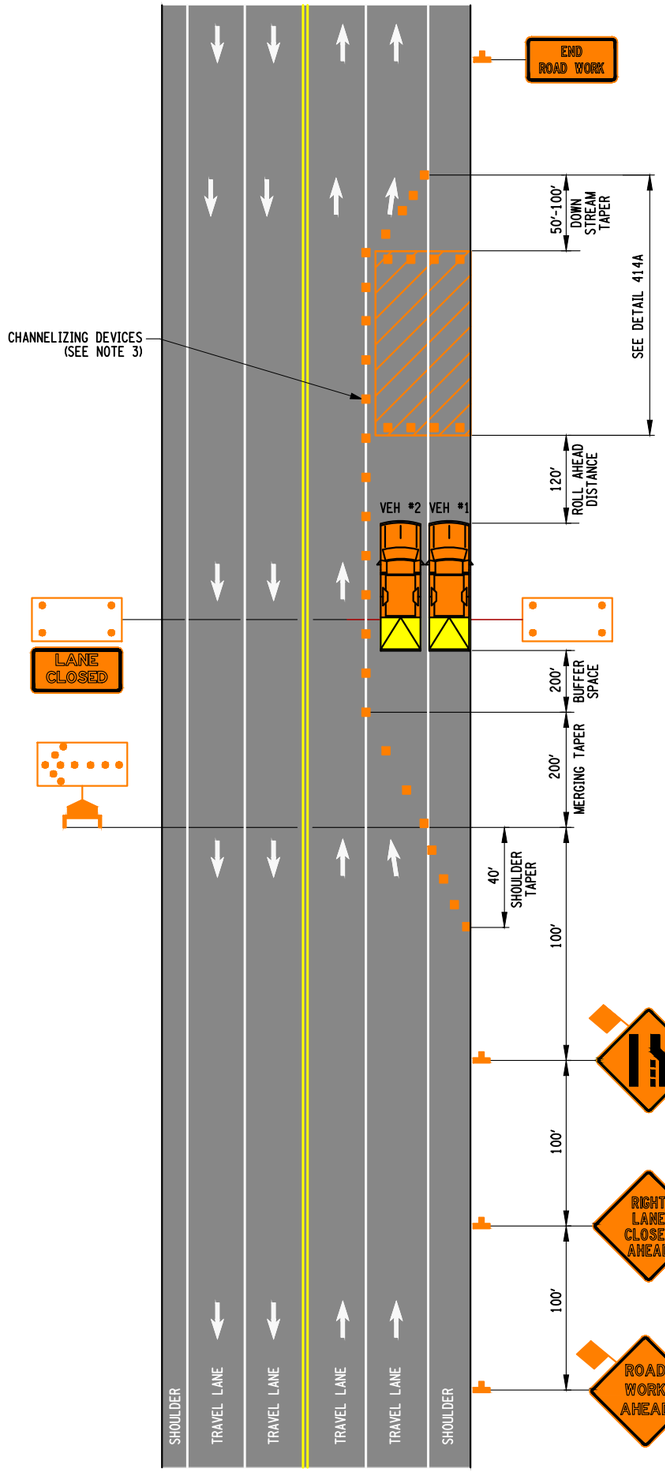
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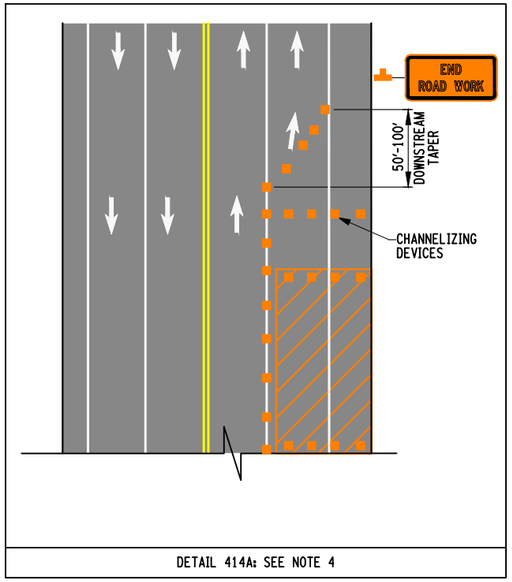
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DETAIL 414A: SEE NOTE 4

NOTES:

1. INTERMEDIATE-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MOR THAN ONE DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTIME WORK LASTING MORE THAN 1 HOUR.
2. NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
3. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 20' IN THE ACTIVE WORK SPACE.
4. 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'.
5. THE PROTECTIVE VEHICLE(S) SHALL MAINTAIN THE APPROPRIATE ROLL AHEAD DISTANCE, BE AN UNOCCUPIED TRUCK POSITIONED PARALLEL TO TRAFFIC, PARKING BRAKE SET, PLACED IN 2ND GEAR (MANUAL TRANSMISSIONS /ENGINE OFF) OR PARK / NEUTRAL (AUTOMATIC TRANSMISSIONS) AND HAVE THE FRONT WHEELS ALIGNED WITH THE LANE STRIPING.
6. THE NYR9-11 SIGN IS RECOMMENDED. WHEN USED, IT SHALL BE PLACED IN ADVANCE OF THE FIRST ADVANCE WARNING SIGN. THE PLACEMENT DISTANCE SHALL BE 1000' FOR POSTED SPEED LIMITS OF 45 MPH OR HIGHER, AND 300' - 500' FOR POSTED SPEED LIMITS OF LESS THAN 45 MPH.
7. LONG-TERM OPERATIONS WITH LANE CLOSURES MAY REQUIRE INTERIM PAVEMENT MARKINGS (ITEM 619.100103). PLACEMENT SHALL BE AT THE DIRECTION OF THE ENGINEER IN CHARGE.

NOTES ON NIGHTTIME WORK:

N1. WORK OCCURRING AFTER SUNSET AND BEFORE SUNRISE WILL BE CONSIDERED NIGHTTIME OPERATIONS.

N2. ALL SIGNS, STOP/SLOW PADDLES AND RED FLAGS USED TO WARN/ALERT/CONTROL TRAFFIC SHALL BE RETROREFLECTIVE.

N3. ALL WORKERS INVOLVED SHALL WEAR PROTECTIVE HELMETS AND NIGHTTIME APPAREL IN ACCORDANCE WITH §107-05A. HIGH VISIBILITY APPAREL AT ALL TIMES.

N4. VEHICLES OPERATING ON THE PAVEMENT OF A CLOSED ROADWAY OR TRAVEL LANE SHALL DISPLAY ROTATING AMBER BEACONS OR FLASHING LED BEACONS AT ALL TIMES.

N5. LEVEL I ILLUMINATION SHALL BE PROVIDED NEAR THE BEGINNING OF LANE CLOSURE TAPERS AND AT ROAD CLOSURES, INCLUDING THE SETUP AND REMOVAL OF THE CLOSURE TAPERS.

N6. LEVEL II ILLUMINATION SHALL BE PROVIDED FOR FLAGGING STATIONS, ASPHALT PAVING, MILLING, AND CONCRETE PLACEMENT AND/OR REMOVAL OPERATIONS, INCLUDING BRIDGE DECKS, 50 FEET AHEAD OF AND 100 FEET BEHIND A PAVING OR MILLING MACHINE.

N7. LEVEL III ILLUMINATION SHALL BE PROVIDED FOR PAVEMENT OR STRUCTURAL CRACK FILLING, JOINT REPAIR, PAVEMENT PATCHING AND REPAIRS, INSTALLATION OF SIGNAL EQUIPMENT OR OTHER ELECTRICAL/MECHANICAL EQUIPMENT, AND OTHER TASKS INVOLVING FINE DETAILS OR INTRICATE PARTS AND EQUIPMENT.

N8. ALL LIGHTING SHALL BE DESIGNED, INSTALLED, AND OPERATED TO AVOID GLARE THAT AFFECTS TRAFFIC ON THE ROADWAY OR THAT CAUSES ANNOYANCE OR DISCOMFORT FOR RESIDENCES ADJOINING THE ROADWAY.

N9. PRIOR TO THE START OF NIGHTTIME OPERATIONS, A WRITTEN NIGHTTIME OPERATIONS AND LIGHTING PLAN IS REQUIRED FOR APPROVAL.

N10. SEE NIGHTTIME SAFETY BULLETIN, HDM §16.5.7, & STANDARD SPECIFICATIONS §619 FOR ADDITONAL REQUIREMENTS AND CONSIDERATIONS.

END ROAD WORK — G20-2 — THIS SIGN SHALL BE LOCATED A MINIMUM DISTANCE OF 80 FT. AND MAXIMUM OF 400 FT. PAST THE END OF THE DOWNSTREAM TAPER

W4-2R

ROAD WORK AHEAD — W20-1

LANE CLOSED — NYW8-33

RIGHT LANE CLOSED AHEAD — W20-5R

ARROW PANEL (CAUTION MODE)

ARROW PANEL

24000 LB PROTECTIVE VEHICLE WITH TMIA SEE TABLE 414-04

WORK AREA

CHANNELIZING DEVICE (SEE TABLE 414-05)

LICENSE SUSPENDED AFTER TWO WORK ZONE SPEEDING TICKETS — NYR9-11 (SEE NOTE 6)

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STATE OF NEW YORK — DOUGLAS OWEN STRAUSS — LICENSED PROFESSIONAL ENGINEER — NO. 073767

Syracuse NEW YORK

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EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

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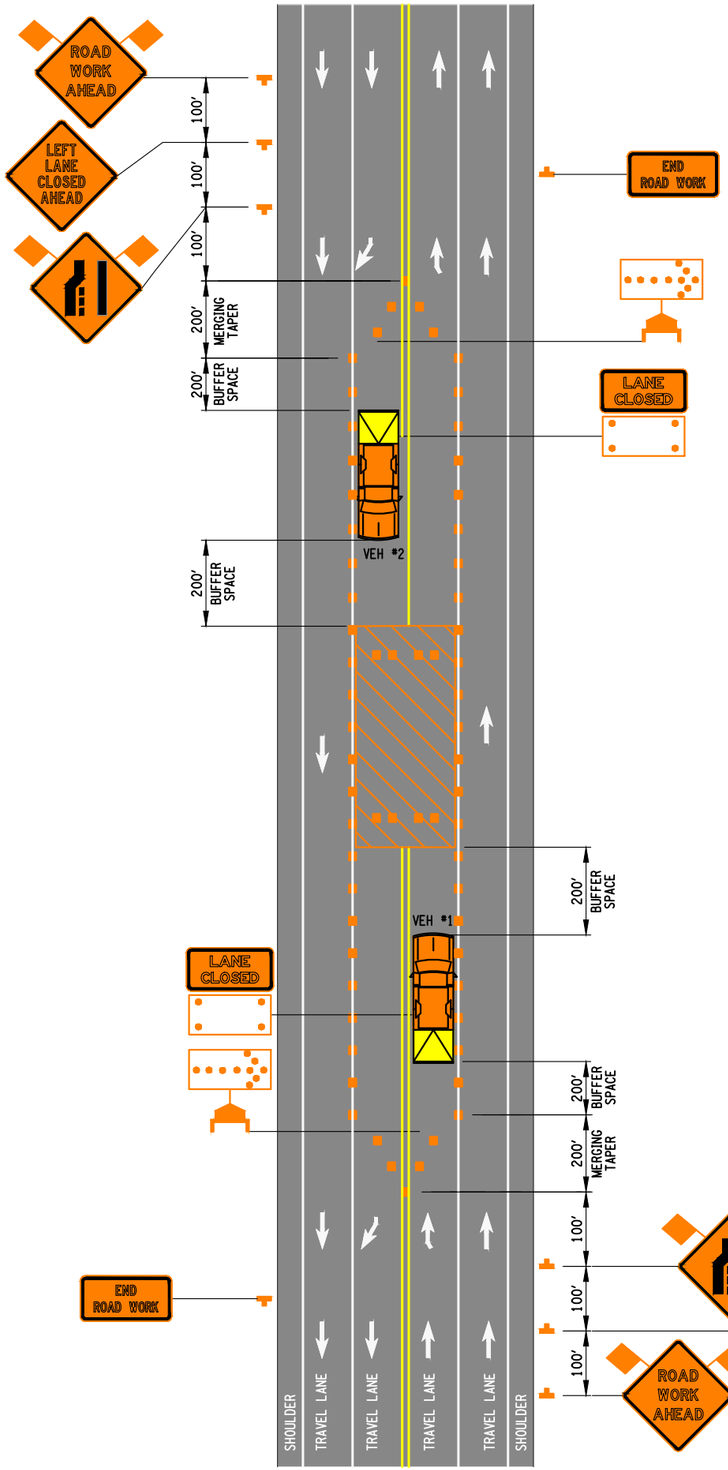
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NOTES:

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2. NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
3. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 20' IN THE ACTIVE WORK SPACE.
4. THE PROTECTIVE VEHICLE SHALL BE UNOCCUPIED AND SHALL BE POSITIONED PARALLEL TO TRAFFIC AND HAVE THE WHEELS ALIGNED WITH THE LANE STRIPING. IT MUST BE PLACED IN NEUTRAL WITH THE PARKING BRAKE SET (PARK/ 2ND GEAR FOR ENGINE OFF CONDITIONS).
5. FOR LOW SPEED (< 45 MPH), LOW VOLUME URBAN STREETS, THE W20-5 SIGN MAY BE OMITTED AND THE W20-1 SIGN RELOCATED TO THAT LOCATION.
6. THE PROTECTIVE VEHICLE(S) SHALL MAINTAIN THE APPROPRIATE ROLL AHEAD DISTANCE, BE AN UNOCCUPIED TRUCK POSITIONED PARALLEL TO TRAFFIC, PARKING BRAKE SET, PLACED IN 2ND GEAR (MANUAL TRANSMISSIONS /ENGINE OFF) OR PARK / NEUTRAL (AUTOMATIC TRANSMISSIONS) AND HAVE THE FRONT WHEELS ALIGNED WITH THE LANE STRIPING.
7. THE NYR9-11 SIGN IS REOMMENDED. WHEN USED, IT SHALL BE PLACED IN ADVANCE OF THE FIRST ADVANCE WARNING SIGN. THE PLACEMENT DISTANCE SHALL BE 1000' FOR POSTED SPEED LIMITS OF 45 MPH OR HIGHER, AND 300' - 500' FOR POSTED SPEED LIMITS OF LESS THAN 45 MPH.
8. LONG-TERM OPERATIONS WITH LANE CLOSURES MAY REQUIRE INTERIM PAVEMENT MARKINGS (ITEM 619.100103). PLACEMENT SHALL BE AT THE DIRECTION OF THE ENGINEER IN CHARGE.

NOTES ON NIGHTTIME WORK:

N1. WORK OCCURRING AFTER SUNSET AND BEFORE SUNRISE WILL BE CONSIDERED NIGHTTIME OPERATIONS.

N2. ALL SIGNS, STOP / SLOW PADDLES AND RED FLAGS USED TO WARN / ALERT / CONTROL TRAFFIC SHALL BE RETROREFLECTIVE.

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N9. PRIOR TO THE START OF NIGHTTIME OPERATIONS, A WRITTEN NIGHTTIME OPERATIONS AND LIGHTING PLAN IS REQUIRED FOR APPROVAL.

N10. SEE NIGHTTIME SAFETY BULLETIN, HDM §16.5.7, & STANDARD SPECIFICATIONS §619 FOR ADDITONAL REQUIREMENTS AND CONSIDERATIONS.





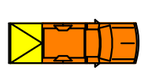
W20-1
(SEE NOTE 5)



ARROW PANEL
(CAUTION MODE)



CHANNELIZING DEVICE
(SEE TABLE 423-05)



24000 LB PROTECTIVE
VEHICLE WITH TMIA
SEE TABLE 423-04



G20-2 THIS SIGN SHALL BE LOCATED A MINIMUM DISTANCE OF 80 FT. AND MAXIMUM OF 400 FT. PAST THE END OF THE DOWNSTREAM TAPER



NYW8-33



W20-5L
(SEE NOTE 5)



ARROW PANEL



WORK AREA

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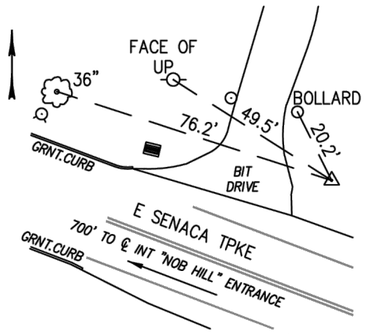
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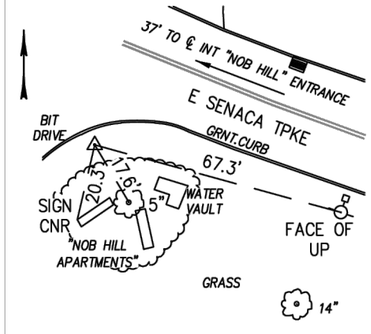
Jan 09, 2025 - 12:38pm
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NOT TO SCALE

℄ STA. 10+00.00 CBP-1
N: 1093289.155 CAPPED IRON
E: 942645.484 ROD IN GRASS

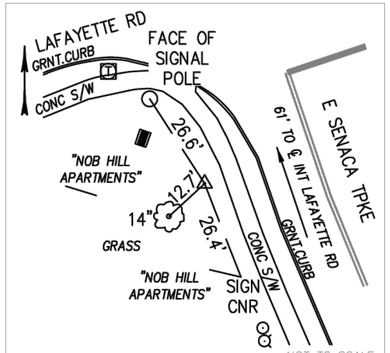
CAPPED IRON ROD SET ON THE NORTHERLY SIDE OF E SENECA TPKE, 700'+/- EASTERLY OF THE INTERSECTION OF E SENECA TPKE AND "NOB HILL" ENTRANCE



NOT TO SCALE

℄ STA. 16+69.978 CBP-2
N: 1093438.950 CAPPED IRON
E: 941992.467 ROD IN GRASS

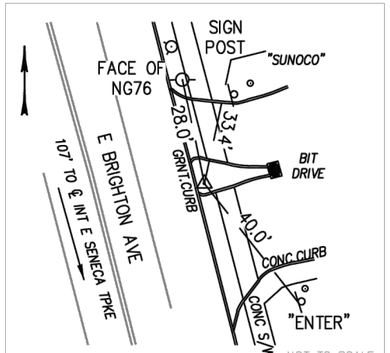
CAPPED IRON ROD SET IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF E SENECA TPKE AND "NOB HILL" ENTRANCE



NOT TO SCALE

℄ STA. 21+43.822 CBP-3
N: 1093785.710 CAPPED IRON
E: 941669.534 ROD IN GRASS

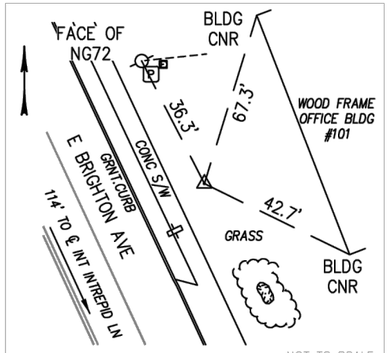
CAPPED IRON ROD SET ON THE WESTERLY SIDE OF E SENECA TPKE, 61'+/- SOUTHERLY OF THE INTERSECTION OF E SENECA TPKE AND LAFAYETTE RD



NOT TO SCALE

℄ STA. 26+21.328 CBP-4
N: 1094258.645 MAG NAIL
E: 941603.617 IN CONCRETE ISLAND

MAG NAIL SET ON THE EASTERLY SIDE OF E BRIGHTON AVE, 107'+/- NORTHERLY OF THE INTERSECTION OF E BRIGHTON AVE AND E SENECA TPKE



NOT TO SCALE

℄ STA. 31+35.359 CBP-5
N: 1094747.085 CAPPED IRON
E: 941443.447 ROD IN GRASS

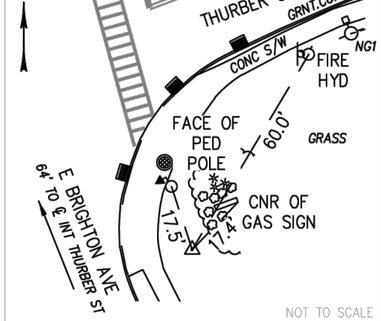
CAPPED IRON ROD SET ON THE EASTERLY SIDE OF E BRIGHTON AVE, 114'+/- NORTHERLY OF THE INTERSECTION OF E BRIGHTON AVE AND INTREPID LN



NOT TO SCALE

℄ STA. 36+22.396 CBP-6
N: 1095142.587 CAPPED IRON
E: 941159.224 ROD IN GRASS

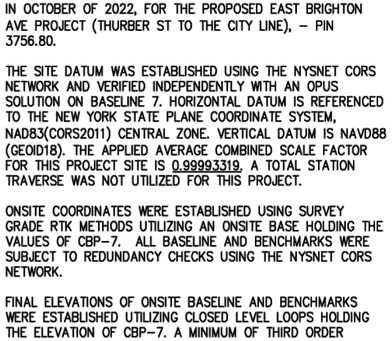
CAPPED IRON ROD SET ON THE WESTERLY SIDE OF E BRIGHTON AVE, 413'+/- SOUTHERLY OF THE INTERSECTION OF E BRIGHTON AVE AND ROCK CUT RD



NOT TO SCALE

℄ STA. 54+66.036 CBP-7
N: 1096884.080 CAPPED IRON
E: 940554.070 ROD IN GRASS

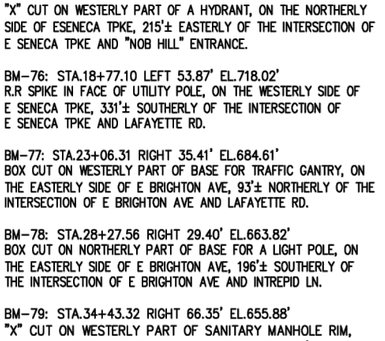
CAPPED IRON ROD SET IN THE NORTHWEST QUADRANT OF THE INTERSECTION OF E BRIGHTON AVE AND E GLEN AVE



NOT TO SCALE

℄ STA. 61+07.253 CBP-8
N: 1097499.950 CAPPED IRON
E: 940375.566 ROD IN GRASS

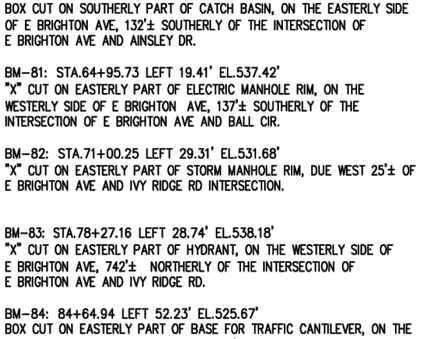
CAPPED IRON ROD SET ON THE WESTERLY SIDE OF EBRIGHTON AVE, 106'+/- NORTHERLY OF THE INTERSECTION OF E BRIGHTON AVE AND AINSLEY DR



NOT TO SCALE

℄ STA. 68+51.884 CBP-9
N: 1098203.664 CAPPED IRON
E: 940132.127 ROD IN GRASS

CAPPED IRON ROD SET IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF E BRIGHTON AVE AND NEWBURY HOLLOW LN



NOT TO SCALE

℄ STA. 74+81.918 CBP-10
N: 1098746.750 CAPPED IRON
E: 939812.753 ROD IN GRASS

CAPPED IRON ROD SET ON THE WESTERLY SIDE OF E BRIGHTON AVE, 395'+/- NORTHERLY OF THE INTERSECTION OF E BRIGHTON AVE AND IVY RIDGE RD

NOT TO SCALE

℄ STA. 81+11.023 CBP-11
N: 1099346.517 CAPPED IRON
E: 939622.876 ROD IN GRASS

CAPPED IRON ROD SET ON THE EASTERLY SIDE OF E BRIGHTON AVE, 537'+/- SOUTHERLY OF THE INTERSECTION OF E BRIGHTON AVE AND THURBER ST

NOT TO SCALE

℄ STA. 85+85.774 CBP-12
N: 1099778.636 CAPPED IRON
E: 939426.250 ROD IN GRASS

CAPPED IRON ROD SET IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF E BRIGHTON AVE AND THURBER ST

NOTES:

THE BASELINE & BENCHMARK TIES SHOWN WERE ESTABLISHED IN OCTOBER OF 2022, FOR THE PROPOSED EAST BRIGHTON AVE PROJECT (THURBER ST TO THE CITY LINE), – PIN 3756.80.

THE SITE DATUM WAS ESTABLISHED USING THE NYSNET CORS NETWORK AND VERIFIED INDEPENDENTLY WITH AN OPUS SOLUTION ON BASELINE 7. 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 0.99993319. 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-7. 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-7. 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.14+88.24 RIGHT 30.48' EL.732.05'
"X" CUT ON WESTERLY PART OF A HYDRANT, ON THE NORTHERLY SIDE OF ESENECA TPKE, 215'± EASTERLY OF THE INTERSECTION OF E SENECA TPKE AND "NOB HILL" ENTRANCE.

BM-76: STA.18+77.10 LEFT 53.87' EL.718.02'
R.R SPIKE IN FACE OF UTILITY POLE, ON THE WESTERLY SIDE OF E SENECA TPKE, 331'± SOUTHERLY OF THE INTERSECTION OF E SENECA TPKE AND LAFAYETTE RD.

BM-77: STA.23+06.31 RIGHT 35.41' EL.684.61'
BOX CUT ON WESTERLY PART OF BASE FOR TRAFFIC GANTRY, ON THE EASTERLY SIDE OF E BRIGHTON AVE, 93'± NORTHERLY OF THE INTERSECTION OF E BRIGHTON AVE AND LAFAYETTE RD.

BM-78: STA.28+27.56 RIGHT 29.40' EL.663.82'
BOX CUT ON NORTHERLY PART OF BASE FOR A LIGHT POLE, ON THE EASTERLY SIDE OF E BRIGHTON AVE, 196'± SOUTHERLY OF THE INTERSECTION OF E BRIGHTON AVE AND INTREPID LN.

BM-79: STA.34+43.32 RIGHT 66.35' EL.655.88'
"X" CUT ON WESTERLY PART OF SANITARY MANHOLE RIM, ON THE EASTERLY SIDE OF E BRIGHTON AVE, 589'± SOUTHERLY OF THE INTERSECTION OF E BRIGHTON AVE AND ROCK CUT RD.

BM-80: STA.58+74.66 RIGHT 101.48' EL.549.18'
BOX CUT ON SOUTHERLY PART OF CATCH BASIN, ON THE EASTERLY SIDE OF E BRIGHTON AVE, 132'± SOUTHERLY OF THE INTERSECTION OF E BRIGHTON AVE AND AINSLEY DR.

BM-81: STA.64+95.73 LEFT 19.41' EL.537.42'
"X" CUT ON EASTERLY PART OF ELECTRIC MANHOLE RIM, ON THE WESTERLY SIDE OF E BRIGHTON AVE, 137'± SOUTHERLY OF THE INTERSECTION OF E BRIGHTON AVE AND BALL CIR.

BM-82: STA.71+00.25 LEFT 29.31' EL.531.68'
"X" CUT ON EASTERLY PART OF STORM MANHOLE RIM, DUE WEST 25'± OF E BRIGHTON AVE AND IVY RIDGE RD INTERSECTION.

BM-83: STA.78+27.16 LEFT 28.74' EL.538.18'
"X" CUT ON EASTERLY PART OF HYDRANT, ON THE WESTERLY SIDE OF E BRIGHTON AVE, 742'± NORTHERLY OF THE INTERSECTION OF E BRIGHTON AVE AND IVY RIDGE RD.

BM-84: 84+64.94 LEFT 52.23' EL.525.67'
BOX CUT ON EASTERLY PART OF BASE FOR TRAFFIC CANTILEVER, ON THE WESTERLY SIDE OF E BRIGHTON AVE, 189'± SOUTHERLY OF THE INTERSECTION OF E BRIGHTON AVE AND THURBER ST.

WR SURVEYING
WBE/ESOSB/DASNY/NYS DOT Certified
WARREN RAMIE SURVEYING

Warren Ramie Surveying
6437 Collamer Road
East Syracuse, NY 13057
Phone 315-458-8979
Fax 315-458-8978
www.warrenramie.com

STATE OF NEW YORK
HEATHER DAWN WARREN
050270
LICENSED LAND SURVEYOR

Syracuse

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMITS

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO:	119.429.001
DATE:	AUGUST 2024
DRAWN BY:	JAK
DESIGNED BY:	JFR
CHECKED BY:	JTG

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

BASELINE TIES AND BENCHMARKS

BLT-01

Jul 23, 2024 – 2:50pm
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PROPERTY RELEASE TABLE

Number	STATION	SIDE	DRIVEWAY NO.	ADDRESS	PROPERTY OWNER(S)	RELEASE TYPE	COMMENTS, INCLUDE PURPOSE	SIGNED
THURBER TO AINSLEY								
1	13+71 TO 13+98	RT	-	416 E BRIGHTON AVE	416 E BRIGHTON, LLC	GRADING	GRADE BEHIND IT PROPOSED SIDEWALK AND PLACE ASPHALT MOWING STRIP. ELIMINATE UNUSED DRIVEWAY. REDUCE MAIN DRIVEWAY OPENING 30'.	X
2	15+55 TO 15+71	LT	-	425 E BRIGHTON AVE	TY KUHNS, LLC	GRADING	GRADE BEHIND PROPOSED SIDEWALK. RE-GRADE AROUND FIELD INLETS AND RESTORE DRIVEWAY PAVEMENT.	X
3	13+98 TO 14+43	RT	-	426 E BRIGHTON AVE	CRANESVILLE BLOCK CO, INC	GRADING	GRADE BEHIND PROPOSED SIDEWALK AND PLACE ASPHALT MOWING STRIP. REDUCE DRIVEWAY OPENING TO 45'	X
4	15+65 TO 16+30	RT		430 E BRIGHTON AVE	NIAGARA MOHAWK POWER CORP	GRADING	GRADE BEHIND PROPOSED SIDEWALK.	X
5	16+30 TO 17+96	RT	3-5 & 4-1	436 E BRIGHTON AVE	CRANESVILLE BLOCK CO, INC	GRADING & RE-ESTABLISH APPROACHES	GRADE BEHIND BEHIND PROPOSED SIDEWALK AND RESTORE DRIVEWAY PAVEMENT. REDUCE DRIVEWAY OPENINGS TO 20' AND 45'.	X
6	17+96 TO 19+37	RT	4-2 & 5-1	448 E BRIGHTON AVE	VALLEY 1800 LLC	RE-ESTABLISH APPROACHES	RESTORE DRIVEWAY PAVEMENT BEHIND BEHIND PROPOSED SIDEWALK. RE-STRIPE EFFECTED PARKING SPACES. REDUCE DRIVEWAYS OPENINGS TO 20'.	X
7	19+37 TO 19+97	RT	5-3	452 E BRIGHTON AVE	VALLEY 1800 LLC	RE-ESTABLISH APPROACHES	RESTORE DRIVEWAY PAVEMENT BEHIND BEHIND PROPOSED SIDEWALK. RE-STRIPE EFFECTED PARKING SPACES. REDUCE DRIVEWAYS OPENINGS TO 30'.	X
8	20+28 TO 21+47	RT	5-5	456 E BRIGHTON AVE	NAFRI REAL ESTATE, LLC	RE-ESTABLISH APPROACHES	RESTORE DRIVEWAY BEHIND PROPOSED SIDEWALK. REDUCE DRIVEWAY TO OPEING TO 45' & SHIFT TO CENTER PARKING LOT.	X
9	20+82 TO 26+38	LT	5-2, 5-4, 5-6, 6-1 & 7-3	479 E BRIGHTON AVE	TY KUHNS, LLC	GRADING & RE-ESTABLISH APPROACHES	GRADE BEHIND BEHIND PROPOSED SIDEWALK AND RESTORE DRIVEWAY PAVEMENT. NORTH PARKING LOT TO BE REDUCED TO TWO 30' DRIVEWAY ENTRANCES. LOADING DOCK DRIVEWAY TO REMAIN UNCHANGED. SOUTH PARKING LOT TO HAVE ONE 65' DRIVEWAY OPENING. CONNECT DRAINAGE PIPE TO STRUCTURE DS-XX.	X
10	27+09 TO 27+38	RT	8-1, 8-2 & 8-3	492 E BRIGHTON AVE	WILLIAM POMEROY REALTY, LLC	RE-ESTABLISH APPROACHES	RESTORE DRIVEWAY PAVEMENT BEHIND IT BEHIND PROPOSED SIDEWALK. REDUCE DRIVEWAY OPENINGS TO 30'	
11	27+71 TO 28+37	RT		498 E BRIGHTON AVE	NIAGARA MOHAWK POWER CORP	RE-ESTABLISH APPROACHES	RESTORE DRIVEWAY PAVEMENT BEHIND PROPOSED SIDEWALK.	X
12	28+57 TO 29+54	RT	9-1, 9-2	500 E BRIGHTON AVE	GF BRIGHTON PROP, LLC	RE-ESTABLISH APPROACHES	RESTORE DRIVEWAY PAVEMENT BEHIND PROPOSED SIDEWALK. ELIMINATE TRIPLE DRIVEWAY TO TWO 30' OPENINGS.	X
13	27+11 TO 27+31	LT	-	228 THURBER ST TO BRIGHTON AVE	DLH CLARENDON, LLC	GRADING	GRADE BEHIND IT PROPOSED SIDEWALK.	X
14	28+78 TO 29+87	LT	-	501 E BRIGHTON AVE	ZAVAGLIA COSIMO	GRADING	GRADE BEHIND IT PROPOSED SIDEWALK.	
15	29+87 TO 30+83	LT	10-2	515 E BRIGHTON AVE	210 W SENECA TPK, LLC	RE-ESTABLISH APPROACHES	RESTORE DRIVEWAY PAVEMENT BEHIND PROPOSED SIDEWALK. REDUCE MAIN DRIVEWAY OPENING TO 30'.	X
16	31+65 TO 32+51	LT	10-5 & 11-1	529 E BRIGHTON AVE	DAVID MELILLO IRREVOCABLE TRST MELILLO SAMANTHA	RE-ESTABLISH APPROACHES	RE-GRADE AND RESTORE DRIVEWAY PAVEMENT BEHIND PROPOSED SIDEWALK. RE-STRIPE EFFECTED PARKING SPACES. REDUCE AND SHIFT BRIGHTON AVE DRIVEWAY OPENING TO 30'. INSTALL NEW CURB AT BALL CIRCLE TO DEFINE 20' DRIVEWAY OPENING.	X
17	32+51 TO 33+46	LT	11-2 & 11-4	541 E BRIGHTON AVE	GARY N CURTIS	RE-ESTABLISH APPROACHES	RE-GRADE AND RESTORE DRIVEWAY PAVEMENT BEHIND PROPOSED SIDEWALK. SEPARATE DRIVEWAY OPEINING FROM DINER.	
18	33+46 TO 34+37	LT	11-5 & 11-7	551 BRIGHTON AVE	RICHARD FRIER & ELENA M. FRIER	RE-ESTABLISH APPROACHES	RE-GRADE DRIVEWAY PAVEMENT BEHIND PROPOSED SIDEWALK. REDUCE DRIVEWAY OPENING TO 30'.	X
19	34+37 TO 34+84	LT	12-2	559 BRIGHTON AVE	SYRACUSE SERVICES, INC.	RE-ESTABLISH APPROACHES	RE-GRADE AND RESTORE DRIVEWAY PAVEMENT PROPOSED SIDEWALK.	X
20	35+64 TO 35+80	LT	12-4	565 BRIGHTON AVE	RAYMOND J. SHELL, JR.	RE-ESTABLISH APPROACHES	RE-GRADE AND RESTORE DRIVEWAY PAVEMENT BEHIND PROPOSED SIDEWALK.	X
21	35+80 TO 36+75	LT	12-5, 13-1 & 14-1	571 BRIGHTON AVE & AINSLEY	571 E BRIGHTON AVE, LLC	RE-ESTABLISH APPROACHES	RE-GRADE AND RESTORE DRIVEWAY PAVEMENT PROPOSED SIDEWALK.	X
22	38+16 TO 38+66	LT	-	621 BRIGHTON AVE	AINSLEY INDUS. PK PARTNERSHIP	RE-ESTABLISH APPROACHES	GRADE BEHIND PROPOSED SIDEWALK.	X
BRIGHTON TOWERS TO CITY LIMIT								
23	57+54 TO 58+00	RT	19-1	962 E BRIGHTON AVE TO SENECA TPK	EAST HURON STREET, LLC	GRADING & RE-ESTABLISH APPROACHES	REPLACE EXISTING SIDEWALK, GRADE AND RESTORE DRIVEWAY PAVEMENT BEHIND IT.	X
24	S 2+94 TO S 4+20	RT	21-1	565 SENECA TPK	BRIGHTON AVE GAS, INC.	RE-ESTABLISH APPROACHES	RESTORE DRIVEWAY PAVEMENT BEHIND PROPOSED SIDEWALK. ELIMINATE DOUBLE DRIVEWAY TO ONE 45' DRIVEWAY OPENING.	X
25	61+01 TO 63+36	RT	-	104 LAFAYETTE RD & SENECA TPK	KINNEY-BRIGHTON, LLC	SIDEWALK, GRADING & RE-ESTABLISH APPROACHES	REPLACE EXISTING SIDEWALK AND GRADE BEHIND IT.	

C&S COMPANIES
C&S Engineers, Inc.
499 Col Eileen Collins Blvd,
Syracuse, NY 13212
Phone: 315-455-2000
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www.cscos.com

1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRAUSER
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse New York

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

MISCELLANEOUS TABLES

MST-01

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FULL DEPTH PAVEMENT REPAIR TABLE

ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL
ITEM 207.21 - GEOTEXTILE SEPARATION
ITEM 304.12 - SUBBASE COURSE, TYPE 2
ITEM 404.1989 - 19 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION
ITEM 404.2589 - 25 F9 BASE COURSE ASPHALT, 80 SERIES COMPACTION
ITEM 627.50140008 - CUTTING PAVEMENT

REPAIR NO.	AREA (SF)	ITEM 203.02 (CY)	ITEM 207.21 (SY)	12" ITEM 304.12 (CY)	4" ITEM 404.1989 (TON)	6" ITEM 404.2589 (TON)	ITEM 627.50140008 (LF)
THURBER STREET TO AINSLEY DRIVE (PRP-01 TO PRP-15)							
1-1	1264	85.8	140.4	46.8	30.8	47.1	153
1-2	4790	325.2	532.2	177.4	116.9	178.6	360
2-1	2144	145.6	238.2	79.4	52.3	79.9	292
3-1	3573	242.6	397.0	132.3	87.2	133.3	456
5-1	4757	323.0	528.5	176.2	116.1	177.4	422
6-1	1669	113.3	185.5	61.8	40.7	62.3	260
7-1	1430	97.1	158.9	53.0	34.9	53.3	234
8-1	10960	744.2	1217.8	405.9	267.5	408.8	775
11-1	262	17.8	29.2	9.7	6.4	9.8	68
11-2	6697	454.8	744.1	248.0	163.5	249.8	828
13-1	977	66.4	108.6	36.2	23.9	36.5	147
SUBTOTAL		**2616**	**4280**	**1427**	**940**	**1437**	**3995**
BRIGHTON TOWERS TO CITY LIMIT (PRP-16 TO PRP-27)							
16-1	2332	158.4	259.1	86.4	56.9	87.0	211
17-1	245	16.6	27.2	9.1	6.0	9.1	63
17-2	481	32.7	53.5	17.8	11.8	18.0	92
17-3	720	48.9	80.0	26.7	17.6	26.9	116
18-1	1380	93.7	153.4	51.1	33.7	51.5	216
19-1	1915	130.0	212.7	70.9	46.7	71.4	192
19-2	647	43.9	71.8	23.9	15.8	24.1	133
20-1	1272	86.4	141.4	47.1	31.1	47.5	164
20-2	1131	76.8	125.6	41.9	27.6	42.2	200
22-1	472	32.1	52.5	17.5	11.5	17.6	89
22-2	261	17.7	29.0	9.7	6.4	9.7	65
22-3	2920	198.3	324.4	108.1	71.3	108.9	295
24-1	1949	132.3	216.5	72.2	47.6	72.7	284
25-1	2636	179.0	292.8	97.6	64.3	98.3	304
26-1	663	45.0	73.7	24.6	16.2	24.7	107
SUBTOTAL		**1292**	**2114**	**705**	**464**	**709**	**2530**
TOTAL		**3907**	**6394**	**2131**	**1405**	**2146**	**6525**

NOTE: FULL DEPTH AREAS ARE OFFSET 2' FROM PROPOSED EAST CURB LINE (THURBER STREET TO AINSLEY DRIVE). AREAS THAT OVERLAP CURB REPLACEMENT ELSEWHERE ARE NEGLIBLE SO NOT INCLUDED.

MILLING TABLE

ITEM 490.10 - PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE
ITEM 490.30 - MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE

DESCRIPTION	FROM STATION	TO STATION	LENGTH (FT)	AVERAGE WIDTH (FT)	AREA (SF)	ITEM 490.10 (SY)	ITEM 490.30 (SY)
THURBER STREET TO AINSLEY DRIVE (PLN-01 TO PLN-15)							
EAST BRIGHTON AVE (MAINLINE)	10+08	36+46	2,638.1	37.0	97,609	10845	
THURBER STREET	T 5+12	T 5+55	42.9	89.4	3,839		427
THURBER STREET	T 5+55	T 6+04	49.5	40.1	1,985		221
IVY RIDGE ROAD	26+23	27+37	10.9	88.4	963		107
NEWBURY HOLLOW LANE	27+97	29+03	10.5	80.4	844		94
BALL CIRCLE	B 5+13	B 5+67	54.0	57.9	3,126		347
BALL CIRCLE	B 5+67	B 6+08	40.6	26.0	1,055		117
EAST BRIGHTON AVE (MAINLINE)	36+46	38+55	208.9	46.8	9,777	1086	
AINSLEY DRIVE	A 5+20	A 5+76	55.8	93.1	5,190		577
AINSLEY DRIVE	A 5+76	A 6+69	92.7	41.0	3,799		422
EAST BRIGHTON AVE (MAINLINE)	38+55	40+13	158.0	58.7	9,271	1030	
					SUBTOTAL	**12962**	**2311**
BRIGHTON TOWER TO CITY LIMIT (PLN-16 TO PLN-27)							
BRIGHTON HILL OFFICE PARK	50+10	50+68	23.6	36.4	858		87
EAST BRIGHTON AVE (MAINLINE)	50+28	54+13	385.1	61.5	23,665	2629	
BRIGHTON TOWERS DRIVEWAY	50+47	51+30	41.9	40.8	1,710		190
EAST BRIGHTON AVE (MAINLINE)	54+13	59+98	585.4	52.0	30,440	3382	
INTREPID LANE	55+28	56+05	25.2	52.6	1,326		147
EAST BRIGHTON AVE/ E SENECA TPK (MAINLINE)	59+98	61+29	130.6	46.0	6,008	668	
E SENECA TPK	S 2+94	S 4+57	163.0	40.0	6,521		725
E SENECA TPK	S 4+57	S 4+90	32.8	84.2	2,758		306
E SENECA TPK (MAINLINE)	61+29	61+59	30.1	40.0	1,204	134	
E SENECA TPK (MAINLINE)	61+59	62+07	47.5	46.0	2,184	243	
E SENECA TPK (MAINLINE)	62+07	63+23	116.6	52.0	6,064	674	
E SENECA TPK (MAINLINE)	63+23	64+34	110.8	46.2	5,120	569	
LAFAYETTE ROAD (WEST)	63+23	64+33	33.4	32.4	1,082		120
LAFAYETTE ROAD (EAST)	63+36	64+01	72.9	47.0	3,423		380
E SENECA TPK (MAINLINE)	64+34	67+05	271.0	34.2	9,270	1030	
E SENECA TPK (MAINLINE)	67+05	75+13	808.0	28.0	22,624	2514	
NOB HILL APARTMENTS DRIVEWAY	68+10	69+18	9.8	86.3	846		94
					SUBTOTAL	**11842**	**2050**
					ROUNDED TOTAL	**24810**	**4370**

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRAUSER
LICENSED PROFESSIONAL ENGINEER
No. 073767

Syracuse
New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

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CURB AND UNDERDRAIN TABLE

ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION
ITEM 605.0901 - UNDERDRAIN FILTER TYPE 1
ITEM 605.1701 - OPTIONAL UNDERDRAIN PIPE 4" DIAMETER
ITEM 605.1702 - OPTIONAL UNDERDRAIN PIPE 6" DIAMETER
ITEM 609.15 - RESETTING EXISTING CURB
ITEM 609.0212 - STONE CURB NEAR VERTICAL FACE (NVF)

FROM STATION	OFFSET (FT)	TO STATION	OFFSET (FT)	RADIUS (FT)	CENTER OF RADIUS	OFFSET (FT)	ITEM 206.0201 (CY)	ITEM 605.0901 (CY)	ITEM 605.1701 (LF)	ITEM 605.1702 (LF)	ITEM 609.15 (LF)	ITEM 609.0212 (LF)	COMMENT
THURBER ST TO AINSLEY DR (PLN-01 TO PLN-15)													
10+38.1	11.7 LT	T 5+37.7	27.3 LT	50	T 5+57.1	72.2 LT	4.5	4.5	54.0			54.0	
T 5+28.2	33.7 RT	11+77.2	13.0 LT	50	T 5+66.8	68.4 RT	3.2	3.2	38.4			38.4	COMPOUND CURVE
T 5+28.2	33.7 RT	T 5+62.5	18.5 RT	50	T 5+67.9	67.2 RT	3.1	3.1	37.4			37.4	COMPOUND CURVE
T 5+62.5	18.5 RT	T 5+73.4	17.9 RT				0.9	0.9	10.9			10.9	
11+11.2	24.0 RT	35+21.9	24.0 RT				200.9	200.9	2410.7			2410.7	
11+77.2	13.0 LT	26+23.0	13.0 LT				120.5	120.5	1445.8			1445.8	SEE NOTE 3
13+03.9	13.0 LT	13+14.5	17.4 LT	15	13+03.9	28.0 LT	1.0	1.0	11.8			11.8	MIRABITO DRIVEWAY
13+31.8	17.4 LT	13+34.5	13.0 LT	3	13+34.5	16.0 LT	0.5	0.5	6.0			6.0	MIRABITO DRIVEWAY
15+93.9	20.0 LT	16+13.9	20.0 LT									20.0	BEGIN BACK CURB WITH TRANSITION FROM EXISTING GRADE TO 8" REVEAL (10 FT.). END BACK CURB MEETING PROPOSED GRADE (10 FT.) WITH NO REVEAL
26+23.0	13.0 LT	26+48.7	24.0 LT	35	26+23.0	48.0 LT	2.4	2.4	28.5			28.5	
27+11.7	23.8 LT	27+37.0	13.0 LT	35	27+37.0	48.0 LT	2.4	2.4	28.3			28.3	
27+37.0	13.0 LT	27+97.2	13.0 LT				5.0	5.0	60.2			60.2	
27+97.2	13.0 LT	28+22.3	23.5 LT	35	27+97.2	48.0 LT	2.3	2.3	27.9			27.9	
28+80.5	20.7 LT	29+03.1	13.0 LT	37	29+03.1	50.0 LT	2.4	2.4	28.4			28.4	
29+03.1	13.0 LT	30+59.7	13.0 LT				13.1	13.1	156.6			156.6	
30+59.7	13.0 LT	30+98.8	36.1 LT	45	30+59.7	58.0 LT	3.8	3.8	45.3			45.3	
31+82.8	13.0 LT	B 5+64.0	15.2 RT	40	31+82.8	53.0 LT	5.7	5.7	68.6			68.6	COMPOUND CURVE
B 5+64.0	15.2 RT	B 5+93.4	13.0 RT	150	32+91.6	37.3 LT	2.4	2.4	28.6			28.6	COMPOUND CURVE
B 5+93.4	13.0 RT	B 6+00.7	13.0 RT				0.6	0.6	7.3			7.3	
B 6+00.7	13.0 RT	B 6+07.5	14.2 RT				0.6	0.6	6.8			6.8	END CURB TRANSITION TO MEET EXISTING GRADE
31+82.8	13.0 LT	36+46.1	13.0 LT				38.6	38.6	463.3			463.3	SEE NOTE 4
34+37.0	32.0 RT	34+86.0	32.0 RT									49.0	BEGIN BACK CURB WITH TRANSITION FROM EXISTING GRADE TO 4" CURB REVEAL. END BACK WITH TRANSITION TO EXISTING GRADE.
34+83.8	21.0 LT	35+35.0	21.0 LT									51.2	BEGIN BACK CURB WITH TRANSITION FROM EXISTING GRADE TO 6"-8" CURB REVEAL. END BACK CURB AT NEW STEP
35+06.0	32.0 RT	35+36.6	32.0 RT									30.6	BEGIN BACK CURB WITH TRANSITION FROM EXISTING GRADE TO 4" CURB REVEAL. END BACK WITH TRANSITION TO EXISTING GRADE.
35+37.9	21.0 LT	35+63.7	21.0 LT									25.8	BEGIN BACK CURB AT STEP WITH 6"-8" CURB REVEAL, END BACK CURB WITH TRANSITION TO EXISTING GRADE
36+46.1	13.0 LT	36+90.4	19.9 LT	150	36+46.1	163.0 LT	3.8	3.8	45.1			45.1	COMPOUND CURVE
36+86.4	24.8 RT	37+59.7	26.4 RT				6.1	6.1	73.0			73.0	
36+90.4	19.9 LT	A 5+52.4	29.4 LT	50	A 5+61.7	78.5 LT	4.1	4.1	49.7			49.7	COMPOUND CURVE
A 5+52.4	29.4 LT	A 5+76.1	26.9 LT	150	A 5+77.2	176.9 LT	2.0	2.0	24.3			24.3	COMPOUND CURVE
A 5+76.1	26.9 LT	A 5+93.8	26.4 LT				1.5	1.5	17.7			17.7	
A 5+76.9	19.6 RT	38+09.3	34.3 LT	50	A 5+89.9	68.1 RT	4.7	4.7	56.9			56.9	COMPOUND CURVE
A 5+93.8	26.4 LT	A 6+69.9	21.1 LT	382	A 5+84.2	355.5 RT	6.3	6.3	76.1			76.1	
38+09.3	34.3 LT	38+55.1	28.2 LT	150	A 7+00.0	78.3 RT	3.9	3.9	46.2			46.2	COMPOUND CURVE
						SUBTOTAL	**446.1**	**446.1**	**5354**	**0**	**50.0**	**5530**	

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRAUSBURY
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

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CURB AND UNDERDRAIN TABLE (CONTINUED)

ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION
ITEM 605.0901 - UNDERDRAIN FILTER TYPE 1
ITEM 605.1701 - OPTIONAL UNDERDRAIN PIPE 4" DIAMETER
ITEM 605.1702 - OPTIONAL UNDERDRAIN PIPE 6" DIAMETER
ITEM 609.15 - RESETTING EXISTING CURB
ITEM 609.0212 - STONE CURB NEAR VERTICAL FACE (NVF)

FROM STATION	OFFSET (FT)	TO STATION	OFFSET (FT)	RADIUS (FT)	CENTER OF RADIUS	OFFSET (FT)	ITEM 206.0201 (CY)	ITEM 605.0901 (CY)	ITEM 605.1701 (LF)	ITEM 605.1702 (LF)	ITEM 609.15 (LF)	ITEM 609.0212 (LF)	COMMENT
BRIGHTON TOWER TO CITY LIMIT (PLN-16 TO PLN-27)													
50+52.4	53.8 RT	50+54.9	46.6 RT				10.0	10.0		120		7.7	BEGIN CURB TRANSITION, OUTLET UNDERDRAIN TO DS 16-3
50+54.9	46.6 RT	50+67.7	37.1 RT	14	50+68.2	51.0 RT	1.4	1.4		16.9		16.9	
50+67.7	37.1 RT	59+98.4	26.0 RT				77.6	77.6		930.7		930.7	
51+07.7	66.0 LT	51+08.9	69.4 LT				0.3	0.3	3.6			3.6	
51+07.7	66.0 LT	51+30.3	32.4 LT	25	51+31.4	57.4 LT	3.9	3.9	47.1			47.1	BRIGHTON TOWER'S DRIVEWAY
51+30.3	32.4 LT	51+40.4	32.0 LT				0.8	0.8	10.1			10.1	
53+61.5	25.8 LT	53+89.3	25.8 LT				2.3	2.3	27.8			27.8	
54+74.8	25.9 LT	55+05.3	25.8 LT				2.5	2.5	30.5			30.5	
55+28.2	25.9 LT	55+52.6	50.2 LT	25	55+28.1	50.9 LT	3.2	3.2	38.4			38.4	END CURB TRANSITION
55+52.6	50.2 LT	55+52.6	52.4 LT				0.0					2.1	
55+81.1	50.5 LT	56+05.3	25.8 LT	25	56+05.5	50.8 LT	3.2	3.2	38.6			38.6	BEGIN CURB TRANSITION
56+77.5	25.9 LT	57+14.3	25.9 LT				3.1	3.1	36.8			36.8	
58+03.6	25.9 LT	58+46.2	25.8 LT				3.5	3.5	42.6			42.6	
58+74.8	26.0 LT	59+21.6	26.0 LT				3.9	3.9	46.8			46.8	
59+98.4	26.0 RT	S 4+24.3	14.0 LT	45	S 4+24.3	59.0 LT	6.7	6.7	80.4			80.4	
60+16.5	26.0 LT	61+87.8	26.1 LT				14.3	14.3	171.3			171.3	
60+60.3	36.2 LT	60+61.5	45.1 LT				0.7	0.7	8.9			8.9	CAR WASH DRIVEWAY
61+01.0	36.2 LT	61+02.5	47.4 LT				1.0	1.0	11.4			11.4	CAR WASH DRIVEWAY
S 2+94.0	14.0 LT	S 4+24.3	14.0 LT	559	55+08.5	78.4 LT	10.6	10.6	127.2			127.2	
S 3+04.4	22.0 LT	S 3+30.5	22.0 LT									26.1	BEGIN BACK CURB WITH TRANSITION FROM EIXSTING GRADE TO 7" REVEAL; END BACK CURB WITH TRANSITION TO EXISTING GRADE
S 3+81.7	22.0 LT	S 4+08.4	22.0 LT									26.7	BEGIN BACK CURB TRANSITION FROM EXISTING GRADE TO 7" REVEAL, MEET NEW CURB FROM LANDSCAPING BED
S 4+08.4	22.0 LT	S 40+09.0	28.1 LT	2	S 4+10.1	24.0 LT						7.4	BEGIN BACK CURB FROM LANDSCAPE BED
S 4+08.4	22.0 LT	59+85.8	38.0 RT	2	59+87.8	38.0 RT						87.9	CONTINUE BACK CURB, REVEAL VARIES; END BACK CURB WITH TRANSITION TO EXISTING LANDSCAPE BED
S 4+47.6	26.0 RT	S 4+68.0	26.0 RT				1.7	1.7	20.4			20.4	
S 4+68.0	26.0 RT	61+29.0	14.1 RT	40	61+29.5	54.1 RT	4.5	4.5	54.3			54.3	
63+16.0	25.8 RT	63+23.2	25.8 RT				0.6	0.6	7.2			7.2	
63+23.2	25.8 RT	63+62.1	61.4 RT	40	63+23.1	65.8 RT	4.8	4.8	58.1			58.1	
63+16.0	26.2 LT	63+35.6	26.2 LT				1.6	1.6	19.6			19.6	
63+35.6	26.2 LT	63+59.8	43.3 LT	25	63+35.7	51.2 LT	2.6	2.6	31.4			31.4	
63+59.8	43.3 LT	63+66.7	63.0 LT				1.7	1.7	20.8			20.8	END CURB TRANSITION
63+62.1	61.4 RT	63+63.2	70.8 RT				0.8	0.8	9.5			9.5	END CURB TRANSITION
63+84.3	50.8 LT	63+86.5	56.4 LT				0.5	0.5	6.0			6.0	END CURB TRANSITION
63+84.3	50.8 LT	64+01.3	27.3 LT	17'-6"	64+01.6	44.8 LT	2.8	2.8	33.6			33.6	
63+99.6	89.3 RT	63+96.3	56.9 RT				2.7	2.7	32.5			32.5	BEGIN CURB TRANSITION
63+96.3	56.9 RT	64+33.0	13.7 RT	40	64+33.5	53.7 RT	5.4	5.4	64.5			64.5	
64+01.3	27.3 LT	64+13.0	27.0 LT				1.0	1.0	11.7			11.7	
66+02.5	19.9 LT	66+28.4	18.9 LT				2.2	2.2	25.9			25.9	
68+18.6	15.0 RT	68+34.5	23.6 RT	30	68+14.2	44.6 RT	1.5	1.5	18.5			18.5	NOB HILL DRIVEWAY
68+30.5	13.8 LT	68+87.9	14.1 LT				4.8	4.8	57.4			57.4	
70+87.6	13.8 LT	71+20.0	13.6 LT				2.7	2.7	32.4			32.4	
74+27.4	13.8 LT	74+57.3	14.0 LT				2.5	2.5	29.9			29.9	
						SUBTOTAL	**193.6**	**193.6**	**1255**	**1068**	**50.0**	**2361**	
						TOTAL	**640**	**640**	**6609**	**1068**	**100**	**7891**	

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1/9/2025

STATE OF NEW YORK * DOUGLAS OWEN STRAUSBAUGH * LICENSED PROFESSIONAL ENGINEER * NO. 073767

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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CONCRETE SIDEWALK TABLE

ITEM 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS
ITEM 608.21000003 - CAST IRON EMBEDDED DETECTABLE WARNING UNITS

FROM STATION	TO STATION	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	DEPTH (IN)	ITEM 608.0101 (CY)	ITEM 608.21000003 (SY)	COMMENTS
THURBER ST TO AINSLEY DR (PLN-01 TO PLN-15)									
11+07.2	11+14.2	RT	7.0	5.0	35.0	5	0.5		
11+14.2	11+41.6	RT	27.4	5.0	137.0	7	3.0		DW 1-3
T 5+95.1	11+86.0	RT/LT	109.1	5.0	545.5	5	8.4		
T 5+45.6	11+59.9	RT/LT	40.9	VARIES	198.1	7	4.3	2.6	CURB RAMP 1, 2 & APRON
11+49.2	11+60.2	RT	11.0	3.0	17.8	5	0.3	1.1	CURB RAMP 3
11+41.6	12+33.0	RT	91.4	5.0	456.9	5	7.1		
12+33.0	12+63.1	RT	30.1	5.0	150.5	7	3.3		DW 2-1
12+63.1	14+57.2	RT	194.1	5.0	970.7	5	15.0		
13+10.7	13+17.1	LT	6.4	5.0	32.0	5	0.5	1.1	CURB RAMP 4
13+31.8	13+38.4	LT	6.6	5.0	33.0	7	0.7	1.1	CURB RAMP 5
14+57.2	15+02.3	RT	45.1	5.0	225.5	7	4.9		DW 3-1
SA 0+00.0	SA 0+05.0	CTR	5.0	5.0	25.0	5	0.4	1.1	CURB RAMP 6
SA 0+05.0	SA 0+30.7	CTR	25.7	5.0	128.5	7	2.8		DW 3-2
SA 0+30.7	SA 0+35.7	CTR	5.0	5.0	24.9	5	0.4	1.1	CURB RAMP 7
SA 0+35.7	SA 0+91.0	CTR	55.3	5.0	276.6	5	4.3		
15+02.3	15+41.7	RT	39.4	5.0	197.0	5	3.0		
15+17.0	15+27.0	RT	10.0	3.0	30.0	5	0.5		BUS STOP PAD
15+41.7	15+61.8	RT	20.1	5.0	100.5	7	2.2		DW 3-3
SA 0+91.0	SA 1+29.8	CTR	38.8	5.0	193.9	7	4.2		DW 3-4
15+61.8	16+37.7	RT	75.9	5.0	379.5	5	5.9		
SA 1+29.8	SA 4+33.4	CTR	303.6	5.0	1,518.0	5	23.4		
16+37.7	16+57.7	RT	20.0	5.0	100.0	7	2.2		DW 3-5
16+57.7	17+18.1	RT	60.4	5.0	302.0	5	4.7		
17+18.1	17+63.1	RT	45.0	5.0	225.0	7	4.9		DW 4-1
17+63.1	18+13.2	RT	50.1	5.0	250.5	5	3.9		
18+13.2	18+33.2	RT	20.0	5.0	100.0	7	2.2		DW 4-2
18+33.2	18+78.0	RT	44.8	5.0	224.2	5	3.5		
18+78.0	18+98.0	RT	20.0	5.0	100.0	7	2.2		DW 5-1
SA 4+33.4	SA 4+63.4	CTR	30.0	5.0	150.0	7	3.2		DW 5-2
18+98.0	19+48.9	RT	50.9	5.0	254.5	5	3.9		
SA 4+63.4	SA 5+17.3	CTR	53.9	5.0	269.5	5	4.2		
19+48.9	19+78.9	RT	30.0	5.0	150.0	7	3.2		DW 5-3
19+78.9	20+73.7	RT	94.8	5.0	474.0	5	7.3		
SA 5+17.3	SA 5+47.3	CTR	30.0	5.0	150.0	7	3.2		DW 5-4
SA 5+47.3	SA 6+01.5	CTR	54.2	5.0	271.0	5	4.2		
20+73.7	21+03.7	RT	30.0	5.0	150.0	7	3.2		DW 5-5
SA 6+01.5	SA 6+51.5	CTR	50.0	5.0	250.0	7	5.4		DW 5-6
21+03.7	22+89.4	RT	185.7	5.0	928.5	5	14.3		
SA 6+51.5	SA 6+93.8	CTR	42.3	5.0	211.5	5	3.3		
SA 6+93.8	SA 7+23.8	CTR	30.0	5.0	150.0	7	3.2		DW 6-1
SA 7+23.8	SA 10+39.0	CTR	315.2	5.0	1,576.0	5	24.3		
22+89.4	23+44.3	RT	54.9	5.0	274.5	7	5.9		DW 6-2
23+44.3	23+91.7	RT	47.4	5.0	237.0	5	3.7		
23+91.7	24+28.4	RT	36.7	5.0	183.5	7	4.0		DW 7-1
24+28.4	24+62.7	RT	34.3	5.0	171.5	5	2.6		
24+62.7	24+90.7	RT	28.0	5.0	140.0	7	3.0		DW 7-2
24+90.7	25+97.8	RT	107.1	5.0	535.5	5	8.3		
SA 10+39.0	SA 10+64.3	CTR	25.3	5.0	126.5	7	2.7		DW 7-3
SA 10+64.3	SA 11+65.0	CTR	100.7	5.0	503.5	5	7.8		
25+97.8	26+27.8	RT	30.0	5.0	150.0	7	3.2		DW 8-1
26+27.8	26+62.5	RT	34.7	5.0	173.5	5	2.7		
SA 11+65.0	SA 11+72.0	CTR	7.0	5.0	35.0	7	0.8	2.1	CURB RAMP 8
26+62.5	26+92.5	RT	30.0	5.0	150.0	7	3.2		DW 8-2
26+92.5	27+26.5	RT	34.0	5.0	170.0	5	2.6		
27+15.4	27+30.9	LT	15.5	5.0	77.5	7	1.7	2.1	CURB RAMP 9
27+26.5	27+51.6	RT	25.1	5.0	125.5	7	2.7		DW 8-3
27+30.9	28+03.4	LT	72.5	5.0	362.5	5	5.6		

CONCRETE SIDEWALK TABLE (CONTINUED)

ITEM 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS
ITEM 608.21000003 - CAST IRON EMBEDDED DETECTABLE WARNING UNITS

FROM STATION	TO STATION	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	DEPTH (IN)	ITEM 608.0101 (CY)	ITEM 608.21000003 (SY)	COMMENTS
THURBER ST TO AINSLEY DR (PLN-01 TO PLN-15)									
27+51.6	27+88.4	RT	36.8	5.0	184.0	5	2.8		
27+65.5	27+75.5	LT	10.0	3.0	30.0	5	0.5		BUS STOP PAD
27+88.4	28+18.4	RT	30.0	5.0	150.0	7	3.2		DW 9-1
28+03.4	28+18.9	LT	15.5	5.0	77.5	7	1.7	2.1	CURB RAMP 10
28+18.4	28+91.5	RT	73.1	5.0	365.5	5	5.6		
28+80.8	28+96.5	LT	15.7	5.0	78.5	7	1.7	2.1	CURB RAMP 11
28+91.5	29+21.5	RT	30.0	5.0	150.0	7	3.2		DW 9-2
28+96.5	30+21.6	LT	125.1	5.0	625.5	5	9.7		
29+21.5	29+95.2	RT	73.7	5.0	368.5	5	5.7		
29+39.9	29+49.9	RT	10.0	3.0	30.0	5	0.5		BUS STOP PAD
29+95.2	30+11.2	RT	16.0	5.0	80.0	7	1.7		DW 10-1
30+11.2	30+73.2	RT	62.0	5.0	310.0	5	4.8		
30+21.6	30+51.5	LT	29.9	5.0	149.5	7	3.2		DW 10-2
30+51.5	30+67.6	LT	16.1	5.0	80.5	5	1.2		
30+67.6	30+84.4	LT	16.8	5.0	84.0	7	1.8	2.3	CURB RAMP 12
30+73.2	31+01.3	RT	28.1	5.0	140.5	7	3.0		DW 10-3
31+01.3	31+34.0	RT	32.7	5.0	163.7	5	2.5		
31+34.0	31+62.0	RT	28.0	5.0	140.0	7	3.0		DW 10-4
SB 0+00.0	SB 0+12.0	CTR	12.0	5.0	60.0	7	1.3	2.2	CURB RAMP 13
31+62.0	31+97.3	RT	35.3	5.0	176.4	5	2.7		
SB 0+12.0	SB 0+45.4	CTR	33.4	5.0	167.0	5	2.6		
31+97.3	32+27.3	RT	30.0	5.0	150.0	7	3.2		DW 10-6
SB 0+45.4	SB 1+05.4	CTR	60.0	5.0	300.0	7	6.5		DW 11-1
32+27.3	32+70.5	RT	43.2	5.0	216.0	5	3.3		
SB 1+05.4	SB 1+38.9	CTR	33.5	5.0	167.5	5	2.6		
32+70.5	33+00.5	RT	30.0	5.0	150.0	7	3.2		DW 11-2
33+00.5	33+69.1	RT	68.6	5.0	343.0	5	5.3		
SB 1+38.9	SB 1+58.9	CTR	20.0	5.0	100.0	5	1.5		DW 11-3
SB 1+58.9	SB 1+72.6	CTR	13.7	5.0	68.5	5	1.1		
SB 1+72.6	SB 1+90.6	CTR	18.0	5.0	90.0	7	1.9		DW 11-4
SB 1+90.6	SB 2+34.2	CTR	43.6	5.0	218.0	5	3.4		
33+69.1	33+99.1	RT	30.0	5.0	150.0	7	3.2		DW 11-5
33+99.1	34+17.0	RT	17.9	5.0	89.5	5	1.4		
SB 2+34.2	SB 2+64.2	CTR	30.0	5.0	150.0	7	3.2		DW 11-6
34+17.0	34+37.0	RT	20.0	5.0	100.0	7	2.2		DW 12-1
SB 2+64.2	SB 2+85.1	CTR	20.9	5.0	104.5	5	1.6		
34+37.0	34+86.0	RT	49.0	5.0	245.0	5	3.8		
SB 2+85.1	SB 3+15.1	CTR	30.0	5.0	150.0	7	3.2		DW 12-2
SB 3+15.1	SB 3+95.0	CTR	79.9	5.0	399.5	5	6.2		
34+86.0	35+06.0	RT	20.0	5.0	100.0	7	2.2		DW 12-3
35+06.0	37+22.5	RT	216.5	5.0	1,082.5	5	16.7		
SB 3+34.6	SB 3+44.6	CTR	10.0	3.0	30.0	5	0.5		BUS STOP PAD
SB 3+66.3	SB 3+69.2	CTR	2.9	1.0	2.9	5	0.0		HOUSE NO. 565
SB 3+95.0	SB 4+11.0	CTR	16.0	5.0	80.0	7	1.7		DW 12-4
SB 4+11.0	SB 4+33.3	CTR	22.3	5.0	111.5	5	1.7		
SB 4+33.3	SB 4+58.3	CTR	25.0	5.0	125.0	7	2.7		DW 12-5
SB 4+58.3	SB 5+91.5	CTR	133.2	5.0	666.0	5	10.3		
SB 5+25.3	SB 5+40.7	CTR	15.4	5.0	77.0	7	1.7	2.2	CURB RAMP 15
SB 5+91.3	SB 6+26.4	CTR	35.1	5.0	175.5	7	3.8		DW 13-1
SB 6+26.4	SB 6+42.5	CTR	16.1	5.0	80.5	5	1.2		
SB 6+42.5	SB 6+76.3	CTR	33.8	5.0	169.0	7	3.7		DW 14-1
36+94.3	37+05.3	RT	11.0	3.0	33.0	5	0.5	1.1	CURB RAMP 14
37+22.5	37+52.6	RT	30.1	5.0	150.5	7	3.3		DW 13-2
37+52.6	39+28.4	RT	175.8	5.0	879.0	5	13.6		
38+00.6	38+12.3	LT	12.4	3.0	37.2	7	0.8	1.3	CURB RAMP 16
38+04.9	38+65.1	LT	60.2	5.0	301.0	5	4.6		
38+55.1	38+65.1	LT	10.0	3.0	30.0	5	0.5		BUS STOP PAD
39+28.4	39+56.9	RT	28.5	5.0	142.5	7	3.1		DW 15-2
39+56.9	39+77.0	RT	20.0	5.0	100.2	5	1.5		
						SUBTOTAL	455.2	25.4	

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRAUSS
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

MISCELLANEOUS TABLES

MST-05

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CONCRETE SIDEWALK TABLE (CONTINUED)

ITEM 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS
ITEM 608.21000003 - CAST IRON EMBEDDED DETECTABLE WARNING UNITS

FROM STATION	TO STATION	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	DEPTH (IN)	ITEM 608.0101 (CY)	ITEM 608.21000003 (SY)	COMMENTS
BRIGHTON TOWERS TO CITY LIMIT (PLN-16 TO PLN-27)									
50+53.7	50+69.9	RT	16.2	10.0	162.0	7	3.5	2.7	CURB RAMP 17
50+69.9	51+28.9	RT	59.0	5.0	295.0	5	4.6		
51+09.3	51+21.3	LT	34.6	7.7	266.4	7	5.8	1.4	CURB RAMP 18
51+21.3	51+58.7	LT	37.4	5.0	187.0	5	2.9		
51+28.9	51+46.7	RT	17.8	10.0	177.7	7	3.8		DW 16-3
51+46.7	51+94.7	RT	48.1	5.0	240.3	5	3.7		
51+58.7	51+78.3	LT	19.6	5.0	98.0	7	2.1		DW 16-4
51+78.3	52+11.0	LT	32.6	5.0	163.2	5	2.5		
51+94.7	52+13.7	RT	19.0	10.0	190.0	7	4.1		DW 16-5
52+11.0	52+26.7	LT	15.8	5.0	78.9	7	1.7		DW 16-6
52+26.7	52+64.1	LT	37.4	5.0	186.8	5	2.9		
52+13.7	52+55.6	RT	41.9	5.0	209.5	5	3.2		
52+55.6	52+73.4	RT	17.8	10.0	178.0	7	3.8		DW 17-1
52+64.1	52+76.6	LT	12.5	5.0	62.5	7	1.4		DW 17-2
52+73.5	53+44.1	RT	70.6	5.0	353.0	5	5.4		
52+76.6	53+66.7	LT	90.1	5.0	450.5	5	7.0		
53+44.1	53+63.0	RT	18.9	10.0	189.0	7	4.1		DW 17-3
53+63.0	53+90.6	RT	27.6	5.0	138.0	5	2.1		
53+66.7	55+30.6	LT	163.9	5.0	819.5	5	12.6		
53+90.6	54+11.3	RT	20.7	10.0	207.0	7	4.5		DW 17-4
54+15.7	54+25.7	LT	10.0	5.0	50.0	5	0.8		BUS STOP PAD
54+11.3	54+48.4	RT	37.1	5.0	185.7	5	2.9		
54+48.4	54+71.4	RT	23.0	10.0	229.6	7	5.0		DW 17-5
54+71.4	55+02.3	RT	30.9	5.0	154.5	5	2.4		
55+02.3	55+24.5	RT	22.2	10.0	222.0	7	4.8		DW 18-1
55+24.5	55+56.4	RT	31.9	10.0	319.0	5	4.9	2.2	CURB RAMP 22
55+30.6	55+47.6	LT	17.0	5.0	85.0	7	1.8	2.8	CURB RAMP 19
55+31.4	55+47.6	RT	16.2	3.0	48.6	5	0.8	2.2	CURB RAMP 21
55+57.3	55+79.5	RT	22.2	10.0	222.0	7	4.8		DW 18-2
55+79.5	55+86.6	RT	7.1	10.0	71.0	5	1.1	2.2	CURB RAMP 23
55+86.2	56+01.7	LT	15.5	5.0	77.5	7	1.7	1.6	CURB RAMP 20
55+86.6	56+01.7	RT	15.1	5.0	75.5	5	1.2		
56+01.7	56+21.6	RT	19.9	5.0	99.5	5	1.5		
56+21.6	57+72.7	RT	151.1	5.0	755.5	5	11.7		
56+76.9	57+34.9	LT	58.0	5.0	290.0	5	4.5		
57+72.7	57+79.8	RT	7.1	6.0	42.6	5	0.7	2.2	CURB RAMP 24
57+79.8	58+10.2	RT	30.4	9.6	291.2	7	6.3		DW 19-1
58+10.2	58+17.2	RT	7.0	9.6	67.1	5	1.0	2.2	CURB RAMP 25
58+17.2	58+87.1	RT	69.9	5.0	349.3	5	5.4		
58+87.1	59+56.5	RT	69.4	9.6	665.4	7	14.4		DW 19-4
59+30.8	59+40.7	LT	9.9	9.6	95.0	5	1.5	1.1	CURB RAMP 26
59+40.7	59+44.8	LT	4.1	9.6	39.4	7	0.9		DW 19-5
59+56.5	59+98.4	RT	41.9	5.0	209.5	5	3.2		
59+98.4	60+11.5	RT	13.3	5.0	66.5	7	1.4		
60+11.5	60+29.2	RT	23.7	9.5	224.0	7	4.8	2.9	CURB RAMP 33
S 2+93.7	S 3+04.4	LT	10.7	5.0	53.5	5	0.8		
S 3+04.4	S 3+30.5	LT	26.1	5.0	130.3	5	2.0		
S 3+30.5	S 3+74.6	LT	44.1	5.0	220.5	7	4.8		DW 21-1
S 3+74.6	S 4+60.9	LT/RT	91.6	5.0	458.0	5	7.1		
59+91.4	59+96.4	LT	5.0	5.0	25.0	7	0.5		DW 19-5
59+96.4	60+59.6	LT	63.2	5.0	316.0	5	4.9	2.3	CURB RAMP 27 & 29
60+16.5	60+27.5	LT	11.0	5.0	55.0	5	0.8	1.1	CURB RAMP 28
S 4+40.7	63+58.9	RT/LT	334.3	9.6	3,203.7	7	69.2		
60+59.6	61+00.3	LT	40.7	5.0	203.5	7	4.4		DW 20-1
4+80.3	4+91.9	RT	12.2	3.0	36.6	7	0.8	1.3	CURB RAMP 33
61+00.3	61+88.4	LT	88.1	5.0	440.5	5	6.8	1.1	CURB RAMP 30
61+12.5	61+24.2	RT	12.3	3.0	36.9	7	0.8	1.3	CURB RAMP 34
61+13.1	61+24.1	LT	11.0	5.0	55.0	5	0.8	1.1	CURB RAMP 31

CONCRETE SIDEWALK TABLE (CONTINUED)

ITEM 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS
ITEM 608.21000003 - CAST IRON EMBEDDED DETECTABLE WARNING UNITS

FROM STATION	TO STATION	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	DEPTH (IN)	ITEM 608.0101 (CY)	ITEM 608.21000003 (SY)	COMMENTS
BRIGHTON TOWERS TO CITY LIMIT (PLN-16 TO PLN-27)									
61+40.2	61+50.2	RT	10.0	5.0	50.0	5	0.8		BENCH PAD
62+64.2	62+74.2	RT	10.0	2.5	25.0	5	0.4		BUS STOP PAD
62+87.1	62+97.1	LT	10.0	4.5	45.0	5	0.7		BUS STOP PAD
63+14.0	63+55.4	LT	41.4	5.0	207.0	5	3.2	1.1	CURB RAMP 36
63+16.0	63+27.0	LT	11.0	5.0	55.0	7	1.2	1.1	CURB RAMP 35
63+16.0	63+27.0	RT	11.0	3.0	33.0	7	0.7	1.1	CURB RAMP 37
63+48.0	63+56.1	RT	12.5	2.0	25.0	7	0.5	1.1	CURB RAMP 38
63+85.5	64+10.0	LT	24.5	5.0	122.5	5	1.9	1.1	CURB RAMP 39
64+01.6	64+13.0	LT	11.4	5.0	57.1	5	0.9	1.1	CURB RAMP 40
64+01.8	64+41.7	RT	63.1	5.0	315.5	5	4.9		
64+00.0	64+12.7	RT	20.5	5.7	116.9	7	2.5	3.1	CURB RAMP 41
68+15.8	68+33.1	RT	17.3	5.0	86.5	7	1.9	2.1	CURB RAMP 42
						SUBTOTAL	294.3	43.7	
						TOTAL	749.5	69.2	

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRAUSER
LICENSED PROFESSIONAL ENGINEER
LIC. NO. 073267

Syracuse
New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

MISCELLANEOUS TABLES

MST-06

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HYDRANT TABLE

ITEM 663.0106 - DUCTILE IRON CEMENT LINED WATER PIPE, 6"
ITEM 663.1006 - RESILIENT WEDGE VALVE & VALVE BOX, 6"
ITEM 663.13000010 - INSTALL FIRE HYDRANT
ITEM 663.2001 - IRON WATERMAIN FITTINGS
ITEM 663.31 - RELOCATE EXISTING HYDRANT
ITEM 663.51000004 - FURNISH AND INSTALL NEW WATER VALVE BOX

HYDRANT NUMBER	STATION	OFFSET		ITEM 663.0106 (LF)	ITEM 663.1006 (EA)	ITEM 663.13000010 (EA)	ITEM 663.2001 (LB) 8"X6" TEE	ITEM 663.2001 (LB) 12"X6" TEE	ITEM 663.31 (EA)	ITEM 663.51000004 (EA)	COMMENT
THURBER ST TO AINSLEY DR (PLN-01 TO PLN-15)											
HYD-1	11+97	15.1	LT			1					REPLACE HYDRANT ONLY
HYD-2	15+05	15.2	LT	20		1	72				
HYD-3	16+02	33.7	RT			1					REPLACE HYDRANT ONLY
HYD-4	22+24	36.3	RT			1					REPLACE HYDRANT ONLY
HYD-5	25+38	15.2	LT	12	1	1	72				
HYD-6	27+60	32.8	RT			1					REPLACE HYDRANT ONLY
HYD-7	30+90	30.9	LT			1					REPLACE HYDRANT ONLY
HYD-8	31+09	34.1	RT			1					REPLACE HYDRANT ONLY
HYD-9	34+96	15.3	LT	12	1	1	72				
HYD-10	38+76	30.7	LT	10	1	1		114			
SUBTOTAL				**54**	**3**	**10**	**330**		**0**		
BRIGHTON TOWER TO CITY LIMIT (PLN-16 TO PLN-27)											
HYD-11	52+51	41.2	RT	16					1		
HYD-12	55+37	39.8	RT	20					1		
HYD-13	58+55	36.8	RT	17					1		
HYD-14	67+93	9.9	LT							1	INSTALL MISSING VALVE BOX TOP SECTION
SUBTOTAL				**54**	**0**	**0**	**0**		**3**	**1**	
TOTAL				**108**	**3**	**10**	**330**		**3**	**1**	

NOTE:
1. CITY OF SYRACUSE WATER DEPARTMENT WILL PROVIDE FIRE HYDRANTS FOR INSTALLATION. CONTRACTOR TO COORDINATE PICK-UP FROM WATER DEPARTMENT COMMISSIONER ROBERT BRANDT.

STONE FILL TABLE

ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL
ITEM 207.20 - GEOTEXTILE BEDDING
ITEM 620.03 - STONE FILLING (LIGHT)

FROM STATION	TO STATION	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	DEPTH (IN)	ITEM 203.02 (CY)	ITEM 207.20 (SY)	ITEM 620.03 (CY)	COMMENTS
THURBER ST TO AINSLEY DR (PLN-01 TO PLN-15)										
15+91.0		LT	5.0	5.0	25.0	12	0.9	2.8	0.9	DS 3-2
24+32.7		LT	10.0	10.0	100.0	12	3.7	11.1	3.7	SLOPE PLACEMENT
A 5+58.3		RT	45.0	3.0	135.0	12	5.0	15.0	5.0	DS 13-7
SUBTOTAL							**9.6**	**29**	**9.6**	
ROUNDED TOTAL							**10**	**30**	**10**	
BRIGHTON TOWERS TO CITY LIMIT (PLN-16 TO PLN-27)										
56+02.3	56+74.6	RT	72.3	9.2	662.6	12	24.5	73.6	24.5	SLOPE PLACEMENT
56+74.6	57+24.4	RT	49.8	16.7	829.9	12	30.7	92.2	30.7	SLOPE PLACEMENT
57+24.4	57+68.1	RT	43.7	12.5	544.8	12	20.2	60.5	20.2	SLOPE PLACEMENT
31+25.4		RT	45.0	3.0	135.0	12	5.0	15.0	5.0	DS 20-2
64+19.6		RT	45.0	3.0	135.0	12	5.0	15.0	5.0	DS 22-7
SUBTOTAL							**85.5**	**256**	**85.5**	
ROUNDED TOTAL							**90**	**269**	**90**	

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRASSER
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

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MANHOLE AND VALVE BOX ADJUSTMENT TABLE

ITEM 604.070301 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
ITEM 604.10 - PREFABRICATED ADJUSTMENT RINGS FOR MANHOLES
ITEM 663.33 - ADJUST EXISTING VALVE BOX ELEVATION
ITEM 663.52000004 - REMOVE EXISTING WATER VALVE BOX

STATION	OFFSET (FT)	TYPE OF STRUCTURE	ITEM 604.070301 (EA)	ITEM 604.10 (EA) (SEE NOTE 1)	ITEM 663.33 (EA)	ITEM 663.52000004 (EA)	ELECTRIC MANHOLE (SEE NOTE 2)	TELEPHONE MANHOLE (SEE NOTE 2)	GAS VALVE OR MARKER (SEE NOTE 2)	COMMENT
THURBER ST TO AINSLEY DR (PLN-01 TO PLN-15)										
10+11	10.8 RT	MH	1							
T 5+63	6.5 RT	WV			1					
T 5+98	20.4 LT	MH	1							
10+99	16.1 LT	MH					1			
11+04	7.9 LT	WV			1					
11+20	6.9 LT	WV			1					
11+97	7.6 LT	WV			1					
12+43	5.0 RT	MH	1							
14+02	9.8 RT	MH						1		
14+95	8.5 LT	WV			1					
15+10	26.9 RT	GV							1	
15+11	1.4 LT	MH	1							
15+50	16.8 LT	MH					1			
15+83	20.2 RT	MH					1			
16+24	4.9 LT	WV			1					
17+62	1.1 LT	MH	1							
17+74	32.9 RT	WV			1					
19+21	4.5 LT	WV			1					
19+57	20.6 LT	UV			1					UNKNOWN VALVE
19+57	21.7 LT	UV			1					UNKNOWN VALVE
19+91	1.9 LT	MH	1							
19+98	10.1 RT	MH						1		
20+18	0.3 LT	MH	1							
20+67	14.6 LT	MH					1			
21+64	20.1 LT	GV							1	
21+76	23.4 LT	GV							1	
22+26	4.2 LT	WV			1					
22+43	6.0 LT	WV			1					
22+93	4.4 LT	WV			1					
22+95	31.7 RT	UV			1					UNKNOWN VALVE
23+80	18.0 RT	MH					1			
23+94	0.8 LT	MH	1							
25+23	3.8 LT	WV			1					
25+38	8.5 LT	WV			1					
25+98	11.8 RT	MH						1		
26+16	18.2 LT	GM							1	GAS MARKER
26+38	33.1 RT	WV			1					
26+50	2.5 RT	MH	1							
26+83	6.1 LT	WV			1					
26+85	3.7 LT	WV			1					
27+77	3.1 LT	WV			1					
28+12	33.9 RT	UV			1					UNKNOWN VALVE
28+23	8.2 RT	MH	1							
28+76	20.1 RT	MH					1			
28+87	1.8 LT	WV			1					
29+99	29.6 RT	WV			1					
29+99	29.6 RT	GV							1	
30+11	2.0 LT	WV			1					
30+94	3.8 LT	WV			1					
31+01	11.0 RT	MH	1							
31+10	1.4 RT	WV			1					

LEGEND:

MH: MANHOLE
GV: GAS VALVE
GM: GAS MARKER
WV: WATER VALVE
UV: UNKNOWN VALVE

C&S COMPANIES
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499 Col Eileen Collins Blvd,
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1/9/2025

STATE OF NEW YORK * DOUGLAS OWEN STRAUSS * LICENSED PROFESSIONAL ENGINEER * NO. 073767

Syracuse NEW YORK

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MANHOLE AND VALVE BOX ADJUSTMENT TABLE (CONTINUED)

ITEM 604.070301 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
ITEM 604.10 - PREFABRICATED ADJUSTMENT RINGS FOR MANHOLES
ITEM 663.33 - ADJUST EXISTING VALVE BOX ELEVATION
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STATION	OFFSET (FT)	TYPE OF STRUCTURE	ITEM 604.070301 (EA)	ITEM 604.10 (EA) (SEE NOTE 1)	ITEM 663.33 (EA)	ITEM 663.52000004 (EA)	ELECTRIC MANHOLE (SEE NOTE 2)	TELEPHONE MANHOLE (SEE NOTE 2)	GAS VALVE OR MARKER (SEE NOTE 2)	COMMENT
THURBER ST TO AINSLEY DR (PLN-01 TO PLN-15)										
31+20	0.7 LT	WV			1					
31+37	90.5 LT	MH	1							
31+93	19.7 RT	MH						1		
32+00	19.4 RT	MH						1		
36+81	15.2 LT	WV			1					
36+88	20.4 LT	WV			1					
36+90	5.4 RT	MH	1							
36+90	15.3 LT	WV			1					
37+03	30.1 LT	WV			1					
A 5+48	50.4 LT	GV							1	
A 5+49	55.2 LT	GV							1	
A 5+50	45.7 LT	GV							1	
A 5+55	43.9 LT	GV							1	
A 5+60	42.8 LT	GV							1	
38+19	20.4 LT	WV			1					
39+47	5.7 RT	MH						1		
SUBTOTAL			**13**	**0**	**32**	**0**	**6**	**6**	**10**	
BRIGHTON TOWERS TO CITY LIMIT (PLN-16 TO PLN-27)										
51+03	32.9 RT	WV			1					
51+05	31.5 RT	WV			1					
51+32	20.7 LT	MH	1							
51+38	47.2 LT	MH	1							
51+60	29.9 RT	WV			1					
52+50	25.2 RT	WV			1					
52+90	43.5 RT	WV			1					
53+04	43.8 LT	WV			1					
53+30	40.0 RT	WV			1					
52+43	35.9 RT	WV			1					
53+58	5.6 LT	WV				1				
54+80	10.7 LT	MH	1							
55+37	19.7 RT	WV				1				
55+41	6.6 RT	WV			1					
55+63	6,2 RT	WV				1				
55+91	17.7 RT	WV			1					
55+94	16.1 RT	WV			1					
55+98	17.3 RT	WV			1					
56+70	6.1 LT	MH	1							
57+08	31.2 RT	GM							1	GAS MARKER
58+35	17.2 LT	MH	1							
58+59	19.4 RT	WV			1					
59+96	10.2 RT	GV							1	
59+97	13.1 RT	GV							1	
60+11	18.4 RT	WV			1					
60+44	20.8 RT	WV			1					
60+90	25.7 RT	MH	1							
61+18	17.9 LT	MH	1							
61+26	5.9 LT	MH						1		
61+30	9.7 LT	MH						1		
61+43	19.5 LT	MH	1							
61+45	4.0 LT	WV			1					
61+66	7.5 RT	MH	1							

LEGEND:

MH: MANHOLE
GV: GAS VALVE
GM: GAS MARKER
WV: WATER VALVE
UV: UNKNOWN VALVE

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STATE OF NEW YORK
DOUGLAS OWEN STRAUSER
LICENSED PROFESSIONAL ENGINEER
NO. 077367

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MISCELLANEOUS TABLES

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MANHOLE AND VALVE BOX ADJUSTMENT TABLE (CONTINUED)

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BRIGHTON TOWERS TO CITY LIMIT (PLN-16 TO PLN-27)										
62+20	15.8 RT	GV							1	
62+20	18.8 RT	GV							1	
63+02	25.7 LT	WV				1				
63+05	5.2 LT	WV			1					
63+09	2.1 LT	WV			1					
63+66	1.2 LT	WV			1					
64+11	4.8 LT	WV			1					
67+93	LT	WV								
68+94	7.3 LT	WV			1					
69+06	5.2 RT	WV			1					
69+19	8.4 RT	WV			1					
70+76	9.9 LT	WV								BROKEN
70+94	0.1 RT	MH						1		
71+43	9.5 LT	WV			1					
71+45	9.4 LT	WV			1					
72+07	7.5 RT	GV							1	
72+08	5.3 RT	GV							1	
72+08	2.9 RT	GV							1	
74+66	9.4 LT	WV			1					
		SUBTOTAL	9	0	26	4	0	3	8	
		TOTAL	22	10	58	4	6	9	18	

NOTES:

1. AN ALLOWANCE OF 10 EA HAS BEEN INCLUDED FOR ITEM 604.10. ADJUSTMENT RINGS TO BE INSTALLED A.O.B.E.

2. ELECTRIC MANHOLES, TELEPHONE MANHOLES, GAS VALVES, AND GAS MARKERS WILL BE ADJUSTED BY THE RESPECTIVE OWNING UTILITY COMPANIES. LOCATION INFORMATION IS INCLUDED IN THIS TABLE FOR THE CONTRACTOR'S CONVENIENCE ONLY.

LEGEND:

MH: MANHOLE
GV: GAS VALVE
GM: GAS MARKER
WV: WATER VALVE
UV: UNKNOWN VALVE

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DRIVEWAY TABLE

ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL
ITEM 304.12 - SUBBASE COURSE, TYPE 2
ITEM 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS
ITEM 608.020102 - HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS, AND VEGETATION CONTROL STRIPS

DRIVEWAY NO.	FROM STATION	TO STATION	SIDE	DRIVEWAY CLASS	MATERIAL	WIDTH "W" (FT)	LENGTH "L1" (FT)	LENGTH "L2" (FT)	CONCRETE APRON THICKNESS (IN)	HMA APRON/ DRIVEWAY THICKNESS (IN)	CONCRETE ITEM 608.0101 QUANTITY (CY)	HMA ITEM 608.020102 QUANTITY (TON)	EXCAVATION ITEM 203.02 QUANTITY (CY)	SUBBASE ITEM 304.12 QUANTITY (CY)	COMMENTS
						(SEE DETAILS ON DWG DWT-03)									
THURBER STREET TO AINSLEY DRIVE (PLN-01 TO PLN-15)															
DW 1-1	10+12.9	10+40.6	RT	R	CONCRETE APRON - ASPHALT DRIVEWAY										NO WORK PROPOSED
DW 1-2	10+49.9	10+73.5	RT	R	CONCRETE APRON - ASPHALT DRIVEWAY										NO WORK PROPOSED
DW 1-3	11+14.2	11+41.6	RT	R	CONCRETE APRON - ASPHALT DRIVEWAY	27.4	4.1 AVG.	5.9 AVG.	7	4	2.7	3.9	9.9	5.3	
	12+11.7	12+83.0	RT	C	ASPHALT	71.3		4.0		4		6.9	10.6	7.0	PARKING LOT
DW 2-1	12+33.0	12+63.1	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	30.1	3.0		7		2.1		4.0	1.8	
DW 2-2	13+03.9	13+34.5	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	30.6	4.3		7		3.1		5.8	2.7	
	13+47.6	15+41.7	RT	C	ASPHALT	194.1		2.0		4		9.3	14.4	9.6	PARKING LOT
DW 3-1	14+57.2	15+02.3	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	45.1	3.0		7		3.1		5.8	2.7	
DW 3-2	14+69.4	14+95.1	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	25.7	4.1	2.0	7	4	2.5	1.2	6.6	3.4	
DW 3-3	15+41.7	15+61.8	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	20.1	3.0	4.0	7	4	1.5	1.9	5.8	3.3	
DW 3-4	15+58.0	15+93.9	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	35.9	2.0		7		1.7		3.1	1.4	
	15+53.8	16+02.6	LT	C	ASPHALT	48.8		10.5		4		12.3	19.0	12.7	PARKING LOT
	16+30.0	16+63.2	RT	C	ASPHALT	33.2		2.0		4		1.6	2.5	1.6	PARKING LOT
DW 3-5	16+37.7	16+57.7	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	20.0	3.0		7		1.5		2.8	1.3	
	17+11.4	19+48.9	RT	C	ASPHALT	237.5		6.0		4		34.2	52.8	35.2	PARKING LOT
DW 4-1	17+18.1	17+63.1	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	45.0	3.0		7		3.1		5.8	2.7	
	17+66.4	18+42.6	LT	C	ASPHALT	76.2		1.0		4		1.8	2.8	1.9	PARKING LOT
DW 4-2	18+13.2	18+33.2	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	20.0	3.0		7		1.5		2.8	1.3	
	18+42.6	22+37.3	LT	C	ASPHALT	394.7		6.4 AVG.		6		90.3	108.3	92.8	PARKING LOT
DW 5-1	18+78.0	18+98.0	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	20.0	3.0		7		1.5		2.8	1.3	
DW 5-2	18+97.5	19+27.5	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	30.0	3.0		7		2.1		4.0	1.8	
DW 5-3	19+48.9	19+78.9	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	30.0	3.0	10.0	7		2.1		15.1	9.2	
DW 5-4	19+81.4	20+11.4	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	30.0	3.0		7		2.1		4.0	1.8	
	20+27.2	21+46.7	RT	C	ASPHALT	119.5		9.0		4		25.8	39.8	26.6	PARKING LOT
DW 5-5	20+73.7	21+03.7	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	30.0	3.0		7		2.1		4.0	1.8	
DW 5-6	20+65.5	21+15.6	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	50.1	3.0		7		3.4		6.4	2.9	
DW 6-1	21+57.8	22+87.8	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	130.0	3.0		7		8.6		16.0	7.4	
DW 6-2	22+89.4	23+44.3	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	54.9	3.0	6.0	7	4	3.8	7.9	19.2	11.4	
DW 7-1	23+91.7	24+28.4	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	36.7	3.0	6.0	7	4	2.6	5.3	12.9	7.6	
DW 7-2	24+63.7	24+88.7	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	25.0	3.0	6.5	7	4	1.8	3.9	9.4	5.6	
DW 7-3	25+03.7	25+29.0	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	25.3	3.0	8.0	7	4	1.8	4.9	10.9	6.6	
	25+93.6	26+27.8	RT	C	ASPHALT	34.2		8.0		4		6.6	10.1	6.8	PARKING LOT
DW 8-1	25+97.8	26+27.8	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	30.0	3.0		7		2.1		4.0	1.8	
	26+27.8	29+54.7	RT	C	ASPHALT	326.9		4.0		4		31.4	48.4	32.3	PARKING LOT
DW 8-2	26+62.5	26+92.5	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	30.0	3.0		7		2.1		4.0	1.8	
DW 8-3	27+26.5	27+51.6	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	25.1	3.0		7		1.8		3.4	1.6	
DW 9-1	27+88.4	28+18.4	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	30.0	3.0		7		2.1		4.0	1.8	
DW 9-2	28+91.5	29+21.5	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	30.0	3.0	2.0	7	4	2.1	1.4	6.2	3.3	
	29+94.7	30+93.8	LT	C	ASPHALT	99.1		8.5		4		20.2	31.2	20.8	PARKING LOT
DW 10-1	29+95.2	30+11.2	RT	R	CONCRETE APRON - ASPHALT DRIVEWAY	16.0	3.0	2.0	7	4	1.2	0.8	3.2	1.6	
DW 10-2	30+21.6	30+51.5	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	29.9	3.0		7		2.1		4.0	1.8	
	30+59.9	31+64.6	RT	C	ASPHALT	104.7		4.0		4		10.1	15.5	10.3	PARKING LOT
DW 10-3	30+73.2	31+01.3	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	28.1	3.0		7		2.0		3.7	1.7	
DW 10-4	31+34.0	31+62.0	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	28.0	3.0		7		2.0		3.7	1.7	
DW 10-5	B 5+65.8	B 5+86.4	RT	C	ASPHALT	20.6									NO WORK PROPOSED
	B 5+40.2	B 5+72.5	RT	C	ASPHALT	34.6		8.0 AVG.		4		6.7	10.3	6.8	PARKING LOT
	B 5+72.5	B 6+07.5	RT	C	ASPHALT	38.4		2.0		4		1.8	2.8	1.9	PARKING LOT
	31+64.6	31+95.7	RT	C	ASPHALT	31.1		2.1		4		1.6	2.4	1.6	PARKING LOT
	31+64.3	33+41.9	LT	C	ASPHALT	177.6		10.0		4		42.7	65.8	43.9	PARKING LOT
	31+95.7	35+36.6	RT	C	ASPHALT	340.9		4.0		4		32.8	50.5	33.7	PARKING LOT
DW 10-6	31+97.3	32+27.3	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	30.0	3.0		7		2.1		4.0	1.8	

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D040386

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DRIVEWAY TABLE

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DRIVEWAY TABLE (CONTINUED)

ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL
ITEM 304.12 - SUBBASE COURSE, TYPE 2
ITEM 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS
ITEM 608.020102 - HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS, AND VEGETATION CONTROL STRIPS

DRIVEWAY NO.	FROM STATION	TO STATION	SIDE	DRIVEWAY CLASS	MATERIAL	WIDTH "W" (FT) (SEE DETAILS ON DWG DWT-03)	LENGTH "L1" (FT)	LENGTH "L2" (FT)	CONCRETE APRON THICKNESS (IN)	HMA APRON/ DRIVEWAY THICKNESS (IN)	CONCRETE ITEM 608.0101 QUANTITY (CY)	HMA ITEM 608.020102 QUANTITY (TON)	EXCAVATION ITEM 203.02 QUANTITY (CY)	SUBBASE ITEM 304.12 QUANTITY (CY)	COMMENTS
THURBER STREET TO AINSLEY DRIVE (CONTINUED)															
DW 11-1	32+14.1	32+74.1	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	60.0	3.0		7		4.1		7.6	3.5	
DW 11-2	32+70.5	33+00.5	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	30.0	3.0		7		2.1		4.0	1.8	
DW 11-3	33+07.6	33+27.6	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	20.0	3.0		7		1.5		2.8	1.3	
DW 11-4	33+41.3	33+59.3	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	18.0	3.0		7		1.4		2.5	1.2	
	33+41.9	34+04.7	LT	C	ASPHALT	62.8		10.8 AVG.		4		16.3	25.1	16.7	PARKING LOT
DW 11-5	33+69.1	34+37.0	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	67.9	3.0		7		4.6		8.5	3.9	
DW 11-6	34+02.9	34+32.9	LT	R	CONCRETE APRON - ASPHALT DRIVEWAY	30.0	3.0		7		2.1		4.0	1.8	
	34+04.7	34+32.7	LT	C	ASPHALT	28.0		10.0		4		6.7	10.4	6.9	PARKING LOT
	34+32.7	34+41.4	LT	C	ASPHALT	8.7		3.9		4		0.8	1.3	0.8	PARKING LOT
	34+41.4	34+83.8	LT	C	ASPHALT	42.4		10.0		4		10.2	15.7	10.5	PARKING LOT
DW 12-1	34+53.8	34+83.8	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	30.0	3.0		7		2.1		4.0	1.8	
DW 12-2	34+86.0	35+06.0	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	20.0	3.0		7		1.5		2.8	1.3	
DW 12-3	35+63.9	35+79.7	LT	R	CONCRETE APRON - ASPHALT DRIVEWAY	15.8	3.0	10.0	7	4	1.2	3.8	7.1	4.0	
DW 12-4	36+01.9	36+26.8	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	24.9	3.0	4.0	7	4	1.8	2.4	7.0	4.0	
DW 13-1	A 5+75.3	A 6+08.8	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	33.5	3.0		7		2.4		4.4	2.0	
	A 5+72.3	A 6+58.4	LT	C	ASPHALT	86.1		10.0		4		20.7	31.9	21.3	PARKING LOT
DW 13-2	37+22.6	37+52.3	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	29.7		7.0		4		5.0	7.7	5.1	
DW 14-1	A 6+24.2	A 6+56.7	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	32.5	3.0		7		2.3		4.3	2.0	
DW 15-1	39+08.7	39+47.5	LT	C	ASPHALT										NO WORK PROPOSED
DW 15-2	39+28.5	39+57.0	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	28.4	3.0	2.0	7	4	2.0	1.4	5.9	3.2	
DW 15-3	39+78.1	40+13.0	LT	C	ASPHALT										NO WORK PROPOSED
										SUBTOTAL	**104.0**	**434.7**	**841.0**	**541.0**	
BRIGHTON TOWERS TO CITY LIMIT (PLN-16 TO PLN-27)															
DW 16-1	50+25.9	50+67.7	RT	C	ASPHALT										SINGLE COURSE MILL AND OVERLAY
DW 16-2	50+45.6	51+30.3	LT	C	ASPHALT										SINGLE COURSE MILL AND OVERLAY
DW 16-3	51+28.7	51+47.5	RT	R	CONCRETE APRON - ASPHALT DRIVEWAY	18.8	3.0	3.0	7	4	1.4	1.4	4.4	2.3	
DW 16-4	51+53.5	51+78.7	LT	R	CONCRETE APRON - ASPHALT DRIVEWAY	25.2	10.6	2.0	7	4	6.5	1.2	13.5	6.5	
DW 16-5	51+94.6	52+14.3	RT	R	CONCRETE APRON - ASPHALT DRIVEWAY	19.7	3.0	3.0	7	4	1.5	1.4	4.6	2.4	
DW 16-6	52+07.5	52+27.6	LT	R	CONCRETE APRON - ASPHALT DRIVEWAY	20.1	11.1	2.0	7	4	5.5	1.0	11.5	5.5	
DW 17-1	52+59.8	52+75.6	RT	R	CONCRETE APRON - ASPHALT DRIVEWAY	15.8	3.0	7.0	7	4	1.2	2.7	5.7	3.1	
DW 17-2	52+55.5	52+74.1	LT	R	CONCRETE APRON - ASPHALT DRIVEWAY	18.6	10.1	2.0	7	4	4.7	0.9	9.9	4.7	
DW 17-3	53+44.1	53+63.1	RT	R	CONCRETE APRON - ASPHALT DRIVEWAY	19.0	3.0		7		1.4		2.6	1.2	
	53+20.7	53+59.0	RT	R	ASPHALT	38.3		4.0		4		3.7	4.7	2.8	
DW 17-4	53+90.6	54+12.3	RT	R	CONCRETE APRON - ASPHALT DRIVEWAY	21.7	3.0	10.0	7	4	1.6	5.2	9.7	5.4	
DW 17-5	54+48.4	54+72.3	RT	R	CONCRETE APRON - ASPHALT DRIVEWAY	23.9	3.0	14.0	7	4	1.7	8.0	13.6	7.7	
DW 18-1	55+02.3	55+25.2	RT	R	CONCRETE APRON - ASPHALT DRIVEWAY	22.9	3.0	8.0	7	4	1.7	4.4	8.8	4.8	
DW 18-2	55+56.4	55+80.6	RT	R	CONCRETE APRON - ASPHALT DRIVEWAY	24.2	3.0	5.0	7	4	1.8	2.9	7.0	3.8	
DW 19-1	57+79.8	58+10.2	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	30.4		4.0		4		2.9	4.5	3.0	
DW 19-2	58+06.6	58+43.2	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	36.6	5.1		7		4.4		8.1	3.7	
DW 19-3	58+77.7	59+18.7	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	41.0	5.1		7		4.8		9.0	4.2	
	58+86.0	59+86.1	RT	C	ASPHALT	100.2		4.0		6		14.4	17.3	14.8	
DW 19-4	58+94.2	59+49.5	RT	C	CONCRETE APRON - ASPHALT DRIVEWAY	55.3									

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1/9/2025

STATE OF NEW YORK · DOUGLAS OWEN STRAZDAS · LICENSED PROFESSIONAL ENGINEER · NO. 073767

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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DRIVEWAY TABLE

DWT-02

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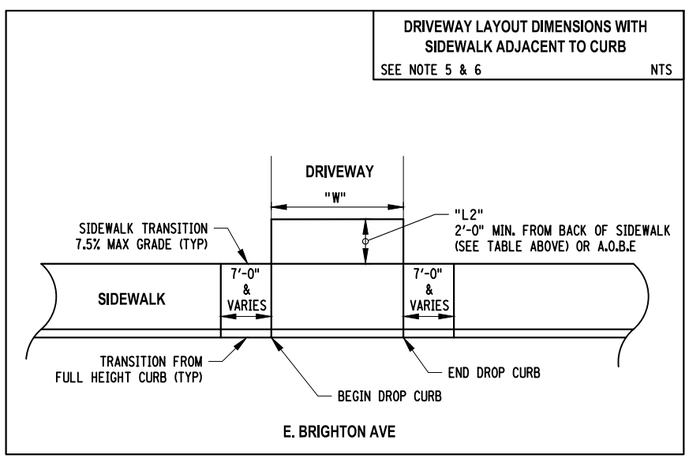
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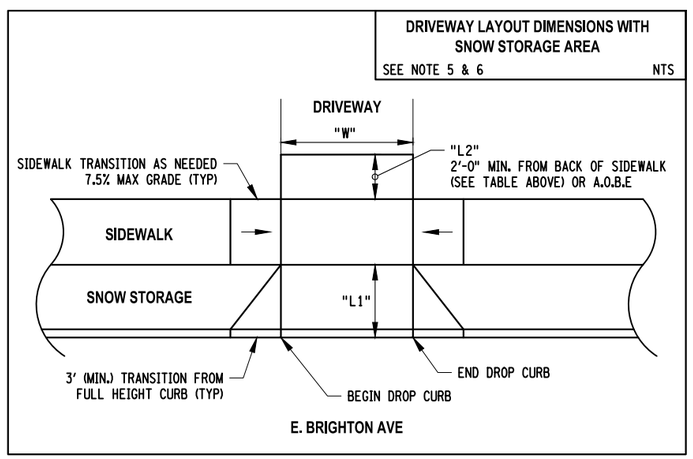
DRIVEWAY TABLE (CONTINUED)

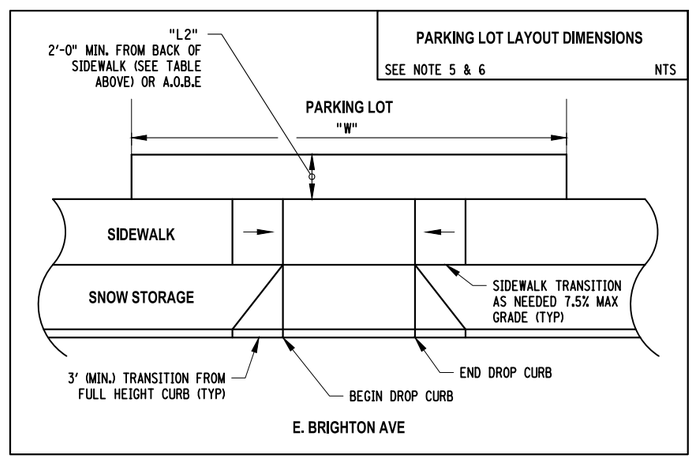
ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL
ITEM 304.12 - SUBBASE COURSE, TYPE 2
ITEM 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS
ITEM 608.020102 - HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS, AND VEGETATION CONTROL STRIPS

DRIVEWAY NO.	FROM STATION	TO STATION	SIDE	DRIVEWAY CLASS	MATERIAL	WIDTH "W" (FT)	LENGTH "L1" (FT)	LENGTH "L2" (FT)	CONCRETE APRON THICKNESS (IN)	HMA APRON/ DRIVEWAY THICKNESS (IN)	CONCRETE ITEM 608.0101 QUANTITY (CY)	HMA ITEM 608.020102 QUANTITY (TON)	EXCAVATION ITEM 203.02 QUANTITY (CY)	SUBBASE ITEM 304.12 QUANTITY (CY)	COMMENTS
						(SEE DETAILS BELOW)									
BRIGHTON TOWERS TO CITY LIMIT (CONTINUED)															
	59+86.1	S 4+08.4	RT/LT	C	ASPHALT	88.2		2.0		6		6.4	6.5	6.5	
	S 2+94.0	S 4+08.0	LT	C	ASPHALT	114.0		1.7		4		4.6	8.2	4.7	
DW 20-1	60+58.9	60+99.6	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	40.7	5.1	2.0	7	4	4.8	2.0	12.0	6.1	
DW 21-1	S 3+30.5	S 3+81.7	LT	C	CONCRETE APRON - ASPHALT DRIVEWAY	51.2	3.0		7		3.5		6.5	3.0	
DW 24-1	67+24.3	67+55.0	LT	R	ASPHALT										NO WORK PROPOSED
DW 24-2	68+10.9	69+17.0	RT	C	ASPHALT										SINGLE COURSE MILL AND OVERLAY
DW 24-3	68+46.5	68+79.3	LT	R	ASPHALT	32.8	0.0	2.0		4		1.6	2.0	1.2	
DW 24-4	68+87.9	69+18.8	LT	R	ASPHALT										NO WORK PROPOSED
DW 25-1	69+65.5	69+87.3	LT	R	ASPHALT										NO WORK PROPOSED
DW 25-2	70+27.1	70+51.9	LT	R	ASPHALT										NO WORK PROPOSED
DW 25-3	70+92.4	71+15.0	LT	R	ASPHALT	22.6	0.0	2.0		4		1.1	1.4	0.8	
DW 26-1	72+84.0	73+20.5	LT	R	ASPHALT										NO WORK PROPOSED
DW 27-1	73+49.5	73+80.9	LT	R	ASPHALT										NO WORK PROPOSED
										SUBTOTAL	46.6	65.7	171.6	98.3	
										TOTAL	150.6	500.3	1012.6	639.3	

NOTES:
1. REFER TO THE DIAGRAMS BELOW FOR DIMENSIONS "W", "L1" & "L2".
2. RECONSTRUCT EXISTING DRIVEWAYS FROM CURB TO NEW SIDEWALK ("L1") AND FROM NEW SIDEWALK TO WORK LIMIT ("L2") OR A.O.B.E. PROVIDE SMOOTH TRANSITION TO EXISTING DRIVEWAY.
3. SIDEWALKS THROUGH DRIVEWAYS HAVE BEEN ACCOUNTED FOR SEPARATELY IN THE SIDEWALK TABLE ON DWG MST-05 TO MST-06.
4. LENGTH "L2" SHALL BE 2 FT. (MIN.) UNLESS SPECIFIED OTHERWISE IN THE DRIVEWAY TABLE OR A.O.B.E.
4. DRIVEWAYS THAT ENTER LARGE PARKING LOTS WILL NOT HAVE A LENGTH OF "L2" AS THE TIE-IN HAS BEEN ACCOUNTED FOR IN A SEPARATE LINE. SEE TABLE ABOVE FOR PARKING LOT AREAS.
5. SEE PROPERTY RELEASE TABLE ON DWG MST-01 FOR LIMITS BEYOND THE HIGHWAY BOUNDARY.
6. SEE CONCRETE SIDEWALK AND DRIVEWAY DETAILS ON DWG MSD-02.







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1/9/2025

STATE OF NEW YORK · DOUGLAS OWEN STARKEY · LICENSED PROFESSIONAL ENGINEER · NO. 073767

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

DRIVEWAY TABLE

DWT-03

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DRAINAGE TABLE

ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL
ITEM 203.07 - SELECT GRANULAR FILL
ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION
ITEM 206.05 - TEST PIT EXCAVATION
ITEM 208.5401 - STORMWATER TREATMENT SYSTEM SWTD - MAXIMUM TREATMENT FLOW RATE OVER 2.8 CFS UP TO 3.8 CFS
ITEM 304.12 - SUBBASE COURSE, TYPE 2
ITEM 552.17 - SHIELDS AND SHORING
ITEM 603.77 - CONCRETE COLLARS
ITEM 603.9812 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 12" DIAMETER
ITEM 603.9815 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 15" DIAMETER
ITEM 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 18" DIAMETER
ITEM 603.9824 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 24" DIAMETER
ITEM 603.9830 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 30" DIAMETER
ITEM 603.9842 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 42" DIAMETER
ITEM 603.99050002 - CONCRETE PLUGS FOR SEWER PIPE
ITEM 604.070301 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
ITEM 604.070302 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
ITEM 604.070303 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
ITEM 604.11 - PREFABRICATED ADJUSTMENT FRAMES FOR DRAINAGE STRUCTURES
ITEM 604.4048 - ROUND PRECAST CONCRETE MANHOLE TYPE 48
ITEM 604.301016 - RECTANGULAR DRAINAGE STRUCTURE TYPE J FOR #16 WELDED FRAME
ITEM 621.03 - CLEANING CLOSED DRAINAGE SYSTEMS
ITEM 621.04 - CLEANING DRAINAGE STRUCTURES
ITEM 655.04000006 - FURNISH AND INSTALL GRATES IN EXISTING FRAMES
ITEM 655.1116 - WELDED FRAME AND RETICULINE GRATE 16
ITEM 655.1202 - MANHOLE FRAME AND COVER

STRUCTURE NUMBER	HCL STATION	OFFSET (FT)	WORK TO BE PERFORMED	RIM ELEV	INVERTS	ITEM 203.02 CY	ITEM 203.07 CY	ITEM 206.0201 CY	ITEM 206.05 EA	ITEM 208.5401 EA	ITEM 304.12 CY	ITEM 552.17 SF	ITEM 603.77 EA	ITEM 603.9812 LF	ITEM 603.9815 LF	ITEM 603.9818 LF	ITEM 603.9824 LF	ITEM 603.9830 LF	ITEM 603.9842 LF	ITEM 603.99050002 EA	ITEM 604.11 EA	ITEM 604.070301 EA	ITEM 604.070302 EA	ITEM 604.070303 EA	ITEM 604.4048 EA	ITEM 604.301016 LF	ITEM 621.03 LF	ITEM 621.04 EA	ITEM 655.04000006 EA	ITEM 655.1116 EA	ITEM 655.1202 EA
THURBER ST TO AINSLEY DR (PLN-01 TO PLN-15)																														
DS 1-1	10+47.4	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. CLEAN PIPE AS REQUIRED.	513.8																		1					50.0		1		
DS 1-2	10+66.4	20.9 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	514.8																		1							1		
DS 1-3	10+56.9	37.6 LT	NO WORK.	-																											
DS 1-4	T 5+39.4	26.2 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	517.1																		1							1		
DS 1-5	T 4+68.2	18.2 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	519.2																		1							1		
DS 1-6	T 5+47.8	21.8 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	519.0																		1							1		
DS 1-7	11+44.9	25.1 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	519.5																		1							1		
DS 1-8	11+46.6	34.9 LT	ADJUST EXISTING MANHOLE COVER AND FRAME TO FINAL GRADE.	519.9																		1									
DS 1-9	11+48.3	24.3 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	519.5																		1							1		
DS 1-10	12+07.0	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	522.3																		1							1		
DS 2-1	13+01.2	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	525.4																		1							1		
DS 2-2	13+28.3	31.2 RT	ABANDON STRUCTURE IN PLACE, PLUG 12" DIA. CMP PIPE.			3.1					3.6									1											
DS 2-3	13+75.6	22.0 LT	NO WORK.																												
DS 2-4	13+97.0	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	527.0																		1							1		
DS 3-1	15+56.0	13.0 LT	INSTALL NEW TYPE J DRAINAGE STRUCTURE WITH FRAME AND GRATE. INSTALL 36 FT. OF 12" DIA. SICPP OUTLET TO DS 3-4.	529.6	S: 526.9		20.6	36.1	1		5.0	171.4									1					5.1				1	
DS 3-2	15+91.0	27.8 LT	REMOVE EXISTING DRAINAGE STRUCTURE AND 6" OUTLET PIPE. PLUG EXISTING PIPE CONNECTION TO 15" CMP. SEE NOTE 11.	-				4.3			2.7									1										
DS 3-3	15+96.2	22.2 LT	ROTATE 4'X4' TOP SLAB 90 DEGREES. ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	530.3																		1							1		
DS 3-4	15+95.9	13.0 LT	ALTER EXISTING 2.54'x4' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE. CONNECT 12" SICPP FROM DS 3-1.	530.4	N: 526.6																1		1				10.0	1		1	
DS 3-5	16+29.7	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	530.8																		1							1		
DS 4-1	16+65.8	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. PLUG 12" INLET FROM STRUCTURE DS 4-2.	531.4																1		1							1		
DS 4-2	16+66.2	31.8 RT	REMOVE EXISTING DRAINAGE STRUCTURE AND 8 FT. OF 12" DIA. CMP PIPE THAT OUTLETS TO STRUCTURE DS 4-1. REMOVE 482 FT. OF 12" CMP SLOT DRAIN.	-		71.4		15.5			52.6	97																				
DS 4-3	17+44.2	22.1 LT	REMOVE EXISTING FRAME AND GRATE. REPLACE WITH MANHOLE FRAME AND COVER. REMOVE 313 FT. 12" DIA. CMP SLOT DRAIN, PLUG PIPE OUTLET IN STRUCTURE. STRUCTURE DS 4-4 SHALL STILL OUTLET TO DS 4-3.	533.6		46.4					25.0									1				1						1
DS 4-4	17+87.6	13.0 LT	ALTER EXISTING 4'x4' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE.	533.5																	1		1							1	
DS 4-5	18+37.1	13.0 LT	ALTER EXISTING 2.54'x4' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE.	534.2																	1		1							1	

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRASSER
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

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DRAINAGE TABLE

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DRAINAGE TABLE (CONTINUED)

ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL
ITEM 203.07 - SELECT GRANULAR FILL
ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION
ITEM 206.05 - TEST PIT EXCAVATION
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ITEM 603.9815 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 15" DIAMETER
ITEM 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 18" DIAMETER
ITEM 603.9824 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 24" DIAMETER
ITEM 603.9830 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 30" DIAMETER
ITEM 603.9842 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 42" DIAMETER
ITEM 603.99050002 - CONCRETE PLUGS FOR SEWER PIPE
ITEM 604.070301 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
ITEM 604.070302 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
ITEM 604.070303 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
ITEM 604.11 - PREFABRICATED ADJUSTMENT FRAMES FOR DRAINAGE STRUCTURES
ITEM 604.4048 - ROUND PRECAST CONCRETE MANHOLE TYPE 48
ITEM 604.301016 - RECTANGULAR DRAINAGE STRUCTURE TYPE J FOR #16 WELDED FRAME
ITEM 621.03 - CLEANING CLOSED DRAINAGE SYSTEMS
ITEM 621.04 - CLEANING DRAINAGE STRUCTURES
ITEM 655.04000006 - FURNISH AND INSTALL GRATES IN EXISTING FRAMES
ITEM 655.1116 - WELDED FRAME AND RETICULINE GRATE 16
ITEM 655.1202 - MANHOLE FRAME AND COVER

STRUCTURE NUMBER	HCL STATION	OFFSET (FT)	WORK TO BE PERFORMED	RIM ELEV	INVERTS	ITEM 203.02	ITEM 203.07	ITEM 206.0201	ITEM 206.05	ITEM 208.5401	ITEM 304.12	ITEM 552.17	ITEM 603.77	ITEM 603.9812	ITEM 603.9815	ITEM 603.9818	ITEM 603.9824	ITEM 603.9830	ITEM 603.9842	ITEM 603.99050002	ITEM 604.11	ITEM 604.070301	ITEM 604.070302	ITEM 604.070303	ITEM 604.4048	ITEM 604.301016	ITEM 621.03	ITEM 621.04	ITEM 655.04000006	ITEM 655.1116	ITEM 655.1202
						CY	CY	CY	EA	EA	CY	SF	EA	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	LF	LF	LF	EA	EA	EA	EA
THURBER ST TO AINSLEY DR (PLN-01 TO PLN-15)																														
DS 6-1	21+49.7	31.3 RT	REMOVE EXISTING DRAINAGE STRUCTURE AND 42 FT. OF 12" DIA. CMP PIPE THAT OUTLETS TO STRUCTURE DS 6-2.	-				32.1			27.8	599																				
DS 6-2	21+92.5	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE, PLUG 12" INLET FROM STRUCTURE DS 6-1.	533.5																1		1							1		
DS 6-3	21+92.9	13.0 LT	ALTER EXISTING 4'x4' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE.	533.8																	1		1							1	
DS 6-4	21+98.1	19.4 LT	REMOVE EXISTING FRAME AND GRATE. REPLACE WITH MANHOLE FRAME AND COVER. REMOVE 82 FT. OF 12" CMP SLOT DRAIN, PLUG PIPE INLET.	534.4		12.1					6.6									1				1							1
DS 7-1	23+70.8	18.0 LT	REMOVE EXISTING FRAME AND GRATE. REPLACE WITH MANHOLE COVER.	532.4																				1							1
DS 7-2	24+32.7	17.9 LT	REPLACE EXISTING STRUCTURE WITH NEW TYPE 48 MANHOLE WITH MANHOLE FRAME AND COVER. REPLACE EXISTING 9 LF OF 18" DIA. CMP OUTLET PIPE TO DS 7-4 WITH 9 LF OF 18" DIA. SICPP. INSTALL 5 LF OF 15" DIA. SICPP TO ROW LINE AND PLUG FOR FUTURE CONNECTION. CONNECT TO EXISTING 18" DIA. RCP WITH CONCRETE COLLAR.	531.7	N: 524.8 E: 528.6 SW: 524.8		21.9	31.0				307	1		5					1				9.6						1
DS 7-3	24+40.3	24.0 RT	INSTALL NEW FRAME AND GRATE. REMOVE 47 FT. 12 CMP SLOT DRAIN. INSTALL NEW 10 FT. OF 12" DIA. SICPP FROM DS 7-3 TO DS 7-5.	530.5		7.0	3.6				8.9			10						1	1									1	
DS 7-4	24+40.7	13.0 LT	ALTER EXISTING 4'x4' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE.	530.8																	1		1							1	
DS 7-5	24+49.1	29.8 RT	ADJUST EXISTING MANHOLE FRAME AND COVER TO FINAL GRADE. CONNECT 10 FT. OF 12" DIA. SICPP.	531.0																		1									
DS 7-6	24+56.6	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	530.4																		1							1		
DS 7-7	24+71.6	13.0 LT	ALTER EXISTING 4'x4' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE.	530.7																	1		1							1	
DS 7-8	24+95.7	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	530.5																		1							1		
DS 7-9	24+98.6	13.0 LT	ALTER EXISTING 2.54'x4' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE.	530.8																	1		1							1	
DS 8-1	25+68.2	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	530.7																		1							1		
DS 8-2	26+21.2	13.0 LT	INSTALL NEW TYPE J DRAINAGE STRUCTURE WITH FRAME AND GRATE. INSTALL 19 FT. OF 12" DIA. SICPP OUTLET TO DS 8-6.	531.2	S: 527.9		21.9	31.3				310		19							1				5.8					1	
DS 8-3	26+24.7	17.4 LT	REMOVE EXISTING DRAINAGE STRUCTURE AND 16 FT. OF 12" DIA. RCP PIPE.	-				19.7			19.7	288																			
DS 8-4	26+39.8	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	531.0																		1					10.0	1	1		
DS 8-5	26+41.9	18.3 LT	REMOVE EXISTING DRAINAGE STRUCTURE AND 5 FT. OF 12" DIA. CMP PIPE.				12.5				10.8	69																			
DS 8-6	26+43.7	12.7 LT	INSTALL NEW TYPE 48 MANHOLE WITH MANHOLE FRAME AND COVER. REMOVE 3 LF OF EXISTING 12" DIA. RCP PIPE FROM DS 8-5. CONNECT 12" DIA. SICPP FROM DS 8-4.	531.3	N: 527.5 W: 527.4		15.2	21.0				208	1												6.5						
DS 8-7	26+51.4	30.7 RT	REPLACE MANHOLE FRAME AND COVER.	531.7																										1
DS 8-8	26+60.0	43.7 LT	NO WORK.	-																										
DS 8-9	27+04.7	35.2 LT	NO WORK.	-																										

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1/9/2025

STATE OF NEW YORK · DOUGLAS OWEN STRASSER · LICENSED PROFESSIONAL ENGINEER · NO. 073707

Syracuse

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

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DRAINAGE TABLE

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DRAINAGE TABLE (CONTINUED)

ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL
ITEM 203.07 - SELECT GRANULAR FILL
ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION
ITEM 206.05 - TEST PIT EXCAVATION
ITEM 208.5401 - STORMWATER TREATMENT SYSTEM SWTD - MAXIMUM TREATMENT FLOW RATE OVER 2.8 CFS UP TO 3.8 CFS
ITEM 304.12 - SUBBASE COURSE, TYPE 2
ITEM 552.17 - SHIELDS AND SHORING
ITEM 603.77 - CONCRETE COLLARS
ITEM 603.9812 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 12" DIAMETER
ITEM 603.9815 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 15" DIAMETER
ITEM 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 18" DIAMETER
ITEM 603.9824 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 24" DIAMETER
ITEM 603.9830 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 30" DIAMETER
ITEM 603.9842 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 42" DIAMETER
ITEM 603.99050002 - CONCRETE PLUGS FOR SEWER PIPE
ITEM 604.070301 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
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ITEM 621.03 - CLEANING CLOSED DRAINAGE SYSTEMS
ITEM 621.04 - CLEANING DRAINAGE STRUCTURES
ITEM 655.04000006 - FURNISH AND INSTALL GRATES IN EXISTING FRAMES
ITEM 655.1116 - WELDED FRAME AND RETICULINE GRATE 16
ITEM 655.1202 - MANHOLE FRAME AND COVER

STRUCTURE NUMBER	HCL STATION	OFFSET (FT)	WORK TO BE PERFORMED	RIM ELEV	INVERTS	ITEM 203.02 CY	ITEM 203.07 CY	ITEM 206.0201 CY	ITEM 206.05 EA	ITEM 208.5401 EA	ITEM 304.12 CY	ITEM 552.17 SF	ITEM 603.77 EA	ITEM 603.9812 LF	ITEM 603.9815 LF	ITEM 603.9818 LF	ITEM 603.9824 LF	ITEM 603.9830 LF	ITEM 603.9842 LF	ITEM 603.99050002 EA	ITEM 604.11 EA	ITEM 604.070301 EA	ITEM 604.070302 EA	ITEM 604.070303 EA	ITEM 604.4048 EA	ITEM 604.301016 LF	ITEM 621.03 LF	ITEM 621.04 EA	ITEM 655.04000006 EA	ITEM 655.1116 EA	ITEM 655.1202 EA
THURBER ST TO AINSLEY DR (PLN-01 TO PLN-15)																															
DS 8-10	27+19.9	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	531.1																		1							1		
DS 8-11	27+21.7	16.8 LT	REMOVE EXISTING DRAINAGE STRUCTURE AND 38 FT. OF 18" DIA. CMP PIPE FROM DS 8-11 TO DS 8-10.	-				37.8			33.2	569																				
DS 8-12	27+29.0	13.9 LT	INSTALL NEW TYPE J DRAINAGE STRUCTURE WITH FRAME AND GRATE. CONNECT 15 FT. OF 18" SICPP EXTENSION FROM DS 8-9 & 9 FT. OF 8" HDPE PIPE EXTENSIONS. REPLACE 35 FT. 18" CMP PIPE WITH 18" SICPP PIPE.	531.4	NE: 527.5 E: 528.0 W: 527.2		41.4	86.2			52.0	1170		9		50										6.7					
DS 8-13	27+58.3	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	531.0																		1							1		
DS 9-1	28+20.0	31.6 RT	ADJUST FRAME AND MANHOLE COVER TO FINAL GRADE.	531.1																		1									
DS 9-2	28+38.7	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REPLACE EXISTING 18 LF OF 12" DIA. CMP OUTLET PIPE TO DS 9-1 WITH 18 LF OF 12" DIA. SICPP.	530.6			7.3	29.4			26.9	353		18									1							1		
DS 9-3	28+40.4	13.0 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REPLACE EXISTING 45 LF OF 42" DIA. CMP OUTLET PIPE TO DS 9-1 WITH 45 LF OF 42" DIA. SICPP.	530.9			50.2	163.2			152.1	1102							45			1							1		
DS 9-4	29+03.7	18.0 LT	ABANDON STRUCTURE IN PLACE, PLUG 12" DIA. CMP PIPE.	-		3.1					5.2									1											
DS 9-5	29+36.3	13.0 LT	ALTER EXISTING 4'x4' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE. REPLACE EXISTING 94 LF OF 42" DIA. CMP OUTLET PIPE TO DS 9-3 WITH 94 LF OF 42" DIA. SICPP.	530.5			104.8	317.3			294.1	2142							94		1		1						1		
DS 9-6	29+36.8	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	530.2																		1							1		
DS 9-7	29+63.3	13.0 LT	ALTER EXISTING 2.54'x4' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE. REPLACE EXISTING 25 LF OF 42" DIA. CMP OUTLET PIPE TO DS 9-5 WITH 25 LF OF 42" DIA. SICPP.	530.4			27.9	87.1			80.9	588							25		1		1						1		
DS 9-8	29+64.0	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REPLACE EXISTING 25 LF OF 12" DIA. CMP OUTLET PIPE TO DS 9-6 WITH 25 LF OF 12" DIA. SICPP.	530.1			10.2	30.0			26.5	360		25								1							1		
DS 10-1	30+04.2	13.0 LT	ALTER EXISTING 2.54'x4' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE. REPLACE EXISTING 39 LF OF 42" DIA. CMP OUTLET PIPE TO DS 9-7 WITH 39 LF OF 42" DIA. SICPP.	530.5			43.5	124.8			115.2	842							39		1		1						1		
DS 10-2	30+20.0	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REPLACE EXISTING 54 LF OF 12" DIA. CMP OUTLET PIPE TO DS 9-8 WITH 54 LF OF 12" DIA. SICPP.	530.4			22.0	46.2			38.7	554		54								1							1		
DS 10-3	30+67.2	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REPLACE EXISTING 45 LF OF 12" DIA. CMP OUTLET PIPE TO DS 10-2 WITH 45 LF OF 12" DIA. SICPP.	531.1			18.3	19.6			13.3	235		45								1							1		
DS 10-4	30+86.1	7.2 LT	REPLACE EXISTING MANHOLE FRAME AND COVER. REPLACE EXISTING 80 LF OF 42" DIA. CMP OUTLET PIPE TO DS 10-1 WITH 80 LF OF 42" DIA. SICPP.	531.9	N: UNK. E: UNK. S: UNK.		89.2	253.6			233.8	1712							80											1

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRAUSER
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse
NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

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DRAINAGE TABLE

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DRAINAGE TABLE (CONTINUED)

ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL
ITEM 203.07 - SELECT GRANULAR FILL
ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION
ITEM 206.05 - TEST PIT EXCAVATION
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STRUCTURE NUMBER	HCL STATION	OFFSET (FT)	WORK TO BE PERFORMED	RIM ELEV	INVERTS	ITEM 203.02	ITEM 203.07	ITEM 206.0201	ITEM 206.05	ITEM 208.5401	ITEM 304.12	ITEM 552.17	ITEM 603.77	ITEM 603.9812	ITEM 603.9815	ITEM 603.9818	ITEM 603.9824	ITEM 603.9830	ITEM 603.9842	ITEM 603.99050002	ITEM 604.11	ITEM 604.070301	ITEM 604.070302	ITEM 604.070303	ITEM 604.4048	ITEM 604.301016	ITEM 621.03	ITEM 621.04	ITEM 655.04000006	ITEM 655.1116	ITEM 655.1202
						CY	CY	CY	EA	EA	CY	SF	EA	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	LF	LF	LF	EA	EA	EA	EA
THURBER ST TO AINSLEY DR (PLN-01 TO PLN-15)																														
DS 10-5	31+00.4	38.4 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REPLACE EXISTING 32 LF OF 42" DIA. CMP OUTLET PIPE TO DS 10-4 WITH 35 LF OF 42" DIA. SICPP.	532.9			35.7	107.5			99.6	725				32						1							1			
DS 10-6	31+42.8	49.0 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REPLACE EXISTING 40 LF OF 18" DIA. CMP OUTLET PIPE TO DS 10-5 WITH 40 LF OF 18" DIA. SICPP.	533.8			25.0	77.4			70.0	697				40						1							1			
DS 10-7	31+52.1	43.4 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REPLACE EXISTING 9 LF OF 18" DIA. CMP OUTLET PIPE TO DS 10-6 WITH 9 LF OF 18" DIA. SICPP.	534.5			5.6	13.4			11.7	121				9						1							1			
DS 10-8	31+81.5	13.0 LT	INSTALL NEW TYPE J DRAINAGE STRUCTURE WITH FRAME AND GRATE. CONNECT 30" & 12" SICPP PIPES. REPLACE EXISTING 120 LF CMP OUTLET PIPE TO DS 10-4 WITH 30" DIA. SICPP PIPE	535.7	N: 527.3 W: 527.4 S: 527.3		125.9	279.9	1		114.6	2211						120			1						11.6			1		
DS 11-1	32+33.4	24.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REMOVE EXISTING 31 LF OF 12" DIA. CMP OUTLET PIPE TO TEE. INSTALL NEW OUTLET PIPE TO DS 10-8 WITH 41 LF OF 12" SICPP.	536.4			27.3	87.5			62.7	1050		41								1							1			
DS 11-2	32+96.0	13.0 LT	ALTER EXISTING 5'x5' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE. REPLACE EXISTING 83 LF OF 30" DIA. CMP OUTLET PIPE TO DS 10-8 WITH 83 LF OF 30" DIA. SICPP.	539.0			67.3	186.6			101.3	1439						83			1		1						1			
DS 11-3	33+65.5	13.0 LT	ALTER EXISTING 4'x4' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE. REPLACE EXISTING 68 LF OF 24" DIA. CMP OUTLET PIPE TO DS 11-2 WITH 68 LF OF 24" DIA. SICPP.	541.4			50.4	152.0			138.3	1263					68					1		1						1			
DS 12-1	34+48.5	13.0 LT	ALTER EXISTING 4'x4' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE.	543.8																	1		1							1		
DS 12-2	35+03.0	13.0 LT	ALTER EXISTING 2.54'x4' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE.	544.9																	1		1							1		
DS 12-3	35+42.1	23.9 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REMOVE EXISTING 33 LF OF 12" DIA. CMP OUTLET PIPE TO TEE, PLUG ENTRY TO 24" RCP. INSTALL NEW OUTLET PIPE TO DS 12-4 WITH 38 LF OF 12" SICPP.	545.3	N: 535.5 W: 536.1 S:535.8		27.1	94.6			71.0	1135		38						1		1							1			
DS 12-4	35+61.7	13.0 LT	ALTER EXISTING 4'x4' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE. CONNECT 12" DIA. SICPP PIPE.	545.8																	1		1							1		
DS 13-1	36+57.5	18.7 LT	REMOVE EXISTING STRUCTURE AND 6 FT. OF 12" CMP.	546.8				13.4			19.4	106																				
DS 13-2	36+59.6	13.0 LT	ALTER EXISTING 2.54'x4' DRAINAGE STRUCTURE FOR ROAD WIDENING. INSTALL NEW FRAME AND GRATE. PLUG 12" CMP OUTLET FROM DS 13-1.	546.9																1	1		1							1		
DS 13-3	37+03.1	0.7 RT	ADJUST FRAME AND COVER TO FINAL GRADE.	547.7																		1									
DS 13-4	A 5+43.4	29.6 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. SEE NOTE 14.	547.7			56.2	89.6			72.9	806		90								1						1	1			
DS 13-5	A 25+56.3	25.9 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REPLACE EXISTING 12 LF OF 12" DIA. CMP OUTLET PIPE TO DS 13-5 WITH 12 LF OF 12" DIA. SICPP.	547.9			4.9	18.1			16.4	217		12								1							1			

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STATE OF NEW YORK
DOUGLAS OWEN STRAUSER
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse
New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
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DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

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DRAINAGE TABLE

DRT-04

Jan 09, 2025 - 12:41pm
F:\Project\119 - City of Syracuse\119429001 - East Brighton Ave Paving\Design\CADD\Sheet Files\119429001 - DRT-04.dwg
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DRAINAGE TABLE (CONTINUED)

ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL
ITEM 203.07 - SELECT GRANULAR FILL
ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION
ITEM 206.05 - TEST PIT EXCAVATION
ITEM 208.5401 - STORMWATER TREATMENT SYSTEM SWTD - MAXIMUM TREATMENT FLOW RATE OVER 2.8 CFS UP TO 3.8 CFS
ITEM 304.12 - SUBBASE COURSE, TYPE 2
ITEM 552.17 - SHIELDS AND SHORING
ITEM 603.77 - CONCRETE COLLARS
ITEM 603.9812 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 12" DIAMETER
ITEM 603.9815 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 15" DIAMETER
ITEM 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 18" DIAMETER
ITEM 603.9824 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 24" DIAMETER
ITEM 603.9830 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 30" DIAMETER
ITEM 603.9842 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 42" DIAMETER
ITEM 603.99050002 - CONCRETE PLUGS FOR SEWER PIPE
ITEM 604.070301 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
ITEM 604.070302 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
ITEM 604.070303 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
ITEM 604.11 - PREFABRICATED ADJUSTMENT FRAMES FOR DRAINAGE STRUCTURES
ITEM 604.4048 - ROUND PRECAST CONCRETE MANHOLE TYPE 48
ITEM 604.301016 - RECTANGULAR DRAINAGE STRUCTURE TYPE J FOR #16 WELDED FRAME
ITEM 604.301911- RECTANGULAR DRAINAGE STRUCTURE TYPE S FOR #11 WELDED FRAME
ITEM 621.03 - CLEANING CLOSED DRAINAGE SYSTEMS
ITEM 621.04 - CLEANING DRAINAGE STRUCTURES
ITEM 655.04000006 - FURNISH AND INSTALL GRATES IN EXISTING FRAMES
ITEM 655.1111- WELDED FRAME AND RETICULINE GRATE 11
ITEM 655.1116 - WELDED FRAME AND RETICULINE GRATE 16
ITEM 655.1202 - MANHOLE FRAME AND COVER

STRUCTURE NUMBER	HCL STATION	OFFSET (FT)	WORK TO BE PERFORMED	RIM ELEV	INVERTS	ITEM 203.02 CY	ITEM 203.07 CY	ITEM 206.0201 CY	ITEM 206.05 EA	ITEM 208.5401 EA	ITEM 304.12 CY	ITEM 552.17 SF	ITEM 603.77 EA	ITEM 603.9812 LF	ITEM 603.9815 LF	ITEM 603.9818 LF	ITEM 603.9824 LF	ITEM 603.9830 LF	ITEM 603.9842 LF	ITEM 603.99050002 EA	ITEM 604.11 EA	ITEM 604.070301 EA	ITEM 604.070302 EA	ITEM 604.070303 EA	ITEM 604.4048 EA	ITEM 604.301016 LF	ITEM 604.301911 LF	ITEM 621.03 LF	ITEM 621.04 EA	ITEM 655.04000006 EA	ITEM 655.1111 EA	ITEM 655.1116 EA	ITEM 655.1202 EA
THURBER ST TO AINSLEY DR (PLN-01 TO PLN-15)																																
DS 13-6	A 5+57.0	32.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REPLACE EXISTING 9 LF OF 12" DIA. CMP OUTLET PIPE TO DS 13-7 WITH 9 LF OF 12" DIA. SICPP.	548.1			3.7	10.9			9.7	131		9								1									1			
DS 13-7	A 5+58.3	41.9 RT	NO WORK. SEE NOTE 11.	-																												
DS 13-8	A 5+42.8	46.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REPLACE EXISTING 14 LF OF 18" DIA. CMP OUTLET PIPE TO DS 13-7 WITH 14 LF OF 18" DIA. SICPP.	548.6			8.7	21.2			18.6	191				14						1									1			
DS 13-9	37+95.2	27.1 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REPLACE EXISTING 64 LF OF 12" DIA. CMP OUTLET PIPE TO DS 13-8 WITH 64 LF OF 12" DIA. SICPP.	548.5			26.0	54.0			45.1	648		64								1									1			
DS 14-1	A 6+16.7	24.4 RT	NO WORK.	-																												
DS 14-2	A 6+62.1	23.7 LT	INSTALL NEW TYPE S DRAINAGE STRUCTURE WITH FRAME AND GRATE. INSTALL 32 FT. OF 12" SICPP AT STRUCTURE OUTLET TO STRUCTURE DS 14-3.	548.6	S: 545.5		24.6	37.7	1		3.5	183		33							1							5.7				1	1	
DS 14-3	A 6+65.8	14.1 RT	ADJUST FRAME AND COVER TO FINAL GRADE. CONNECT 15" SICPP FROM DS 14-2. REPLACE EXISTING 47 LF OF 18" DIA. CMP OUTLET PIPE TO DS 14-1 WITH 47 LF OF 18" DIA. SICPP.	548.4	N: 544.6		29.3	48.4			39.7	436				47						1									1			
			SUBTOTAL			**143.0**	**1028.2**	**2678.3**	**3**	**0**	**2129.3**	**23034**	**2**	**467.0**	**5.0**	**192.0**	**68.0**	**203.0**	**283.0**	**11**	**21**	**41**	**16**	**3**	**16.1**	**29.1**	**5.7**	**70.0**	**3.0**	**37.0**	**1**	**21**	**6**
BRIGHTON TOWERS TO CITY LIMIT (PLN-16 TO PLN-27)																																
DS 16-1	50+76.1	50.3 LT	NO WORK.	-																												
DS 16-2	51+03.8	60.1 LT	ADJUST FRAME AND COVER TO FINAL GRADE.	655.0																		1											
DS 16-3	51+27.4	31.7 LT	INSTALL NEW TYPE J DRAINAGE STRUCTURE WITH FRAME AND GRATE. CONNECT TO EXISTING 12" DIA. CMP WITH CONCRETE COLLAR AND 6" UNDERDRAIN OUTLET PIPE.	654.9	N: 651.4		16.0	22.8				204	1														6.2					1	
DS 16-4	51+99.3	17.0 LT	REPLACE WITH MANHOLE FRAME AND COVER.	656.4																		1											1
DS 17-1	54+74.3	6.5 LT	ADJUST FRAME AND COVER TO FINAL GRADE.	658.1																		1											
DS 17-2	54+78.9	26.0 RT	INSTALL NEW FRAME AND GRATE FRAME TO FINAL GRADE. ADJUST STRUCTURE TO ACCEPT 6" UNDERDRAIN PIPE.	657.7																	1	1											1
DS 18-1	56+15.3	26.0 RT	ADJUST EXISTING FRAME, INSTALL NEW GRATE TO FINAL GRADE AND ACCEPT 6" UNDERDRAIN PIPE.	658.5																		1								1			
DS 18-2	57+01.6	3.9 LT	ADJUST FRAME AND COVER TO FINAL GRADE.	660.0																		1											
DS 18-3	57+08.0	26.0 RT	INSTALL NEW FRAME AND GRATE FRAME TO FINAL GRADE. ADJUST STRUCTURE TO ACCEPT 6" UNDERDRAIN PIPE.	659.4																	1	1											1
DS 19-1	58+29.5	12.0 LT	ADJUST FRAME AND COVER TO FINAL GRADE.	663.2																		1											
DS 19-2	58+32.4	26.0 RT	INSTALL NEW SWTD WITH FRAME AND GRATE. CONNECT TO EXISTING 24" DIA. RCP PIPES AND 8" PVC PIPE WITH CONCRETE COLLARS. ADJUST STRUCTURE TO ACCEPT 6" UNDERDRAIN PIPE.	662.6	E: 655.6 S: UNK. W: 655.6		22.1	31.2		1		309	3									1													
DS 20-1	60+91.9	39.4 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	670.5																		1								1			
DS 20-2	31+25.4	29.8 RT	CONNECT 12" SICPP OUTLET FROM DS 20-5. SEE NOTE 11.	*673.8*	*N: 664.3* S: 670.8																	1								1			
DS 20-3	61+28.1	26.0 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	673.5																		1								1			
DS 20-4	61+43.1	43.0 LT	ADJUST EXISTING FRAME AND COVER TO FINAL GRADE.	674.1																		1											

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 40

CHANGES INCLUDE:
1. **RELOCATION OF DS 14-2 ALONG WITH STRUCTURE SIZE AND PIPE SIZE.**
2. **NEW SOUTH INVERT FOR DS 20-2**

C&S COMPANIES
C&S Engineers, Inc.
499 Col Eileen Collins Blvd,
Syracuse, NY 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

2/11/2026

STATE OF NEW YORK
DOUGLAS OWEN STANDISH
LICENSED PROFESSIONAL ENGINEER
NO. 073787

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

DRAINAGE TABLE

DRT-05
SHEET 40R1 OF 241

Dec 18, 2025 - 9:22am
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DRAINAGE TABLE (CONTINUED)

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ITEM 203.07 - SELECT GRANULAR FILL
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ITEM 603.9824 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 24" DIAMETER
ITEM 603.9830 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 30" DIAMETER
ITEM 603.9842 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 42" DIAMETER
ITEM 603.99050002 - CONCRETE PLUGS FOR SEWER PIPE
ITEM 604.070301 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
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ITEM 604.4048 - ROUND PRECAST CONCRETE MANHOLE TYPE 48
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ITEM 621.03 - CLEANING CLOSED DRAINAGE SYSTEMS
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ITEM 655.1202 - MANHOLE FRAME AND COVER

STRUCTURE NUMBER	HCL STATION	OFFSET (FT)	WORK TO BE PERFORMED	RIM ELEV	INVERTS	ITEM 203.02 CY	ITEM 203.07 CY	ITEM 206.0201 CY	ITEM 206.05 EA	ITEM 208.5401 EA	ITEM 304.12 CY	ITEM 552.17 SF	ITEM 603.77 EA	ITEM 603.9812 LF	ITEM 603.9815 LF	ITEM 603.9818 LF	ITEM 603.9824 LF	ITEM 603.9830 LF	ITEM 603.9842 LF	ITEM 603.99050002 EA	ITEM 604.11 EA	ITEM 604.070301 EA	ITEM 604.070302 EA	ITEM 604.070303 EA	ITEM 604.4048 EA	ITEM 604.301016 LF	ITEM 621.03 LF	ITEM 621.04 EA	ITEM 655.04000006 EA	ITEM 655.1116 EA	ITEM 655.1202 EA
THURBER ST TO AINSLEY DR (PLN-01 TO PLN-15)																														
DS 13-6	A 5+57.0	32.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REPLACE EXISTING 9 LF OF 12" DIA. CMP OUTLET PIPE TO DS 13-7 WITH 9 LF OF 12" DIA. SICPP.	548.1			3.7	10.9			9.7	131		9									1							1		
DS 13-7	A 5+58.3	41.9 RT	NO WORK. SEE NOTE 11.	-																										
DS 13-8	A 5+42.8	46.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REPLACE EXISTING 14 LF OF 18" DIA. CMP OUTLET PIPE TO DS 13-7 WITH 14 LF OF 18" DIA. SICPP.	548.6			8.7	21.2			18.6	191				14							1							1		
DS 13-9	37+95.2	27.1 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE. REPLACE EXISTING 64 LF OF 12" DIA. CMP OUTLET PIPE TO DS 13-8 WITH 64 LF OF 12" DIA. SICPP.	548.5			26.0	54.0			45.1	648		64									1							1		
DS 14-1	A 6+16.7	24.4 RT	NO WORK.	-																										
DS 14-2	A 6+62.1	22.0 LT	INSTALL NEW TYPE J DRAINAGE STRUCTURE WITH FRAME AND GRATE. INSTALL 32 FT. OF 15" SICPP AT STRUCTURE OUTLET TO STRUCTURE DS 14-3.	548.8	S: 545.2		25.6	39.3	1		3.5	198			32							1					6.0				1	
DS 14-3	A 6+65.8	14.1 RT	ADJUST FRAME AND COVER TO FINAL GRADE. CONNECT 15" SICPP FROM DS 14-2. REPLACE EXISTING 47 LF OF 18" DIA. CMP OUTLET PIPE TO DS 14-1 WITH 47 LF OF 18" DIA. SICPP.	548.4	N: 544.6		29.3	48.4			39.7	436				47							1							1		
					SUBTOTAL	**143.0**	**1029.2**	**2679.9**	**3**	**0**	**2129.3**	**23049**	**2**	**434.0**	**37.0**	**192.0**	**68.0**	**203.0**	**283.0**	**11**	**21**	**41**	**16**	**3**	**16.1**	**35.1**	**70.0**	**3**	**37**	**21**	**6**
BRIGHTON TOWERS TO CITY LIMIT (PLN-16 TO PLN-27)																														
DS 16-1	50+76.1	50.3 LT	NO WORK.	-																										
DS 16-2	51+03.8	60.1 LT	ADJUST FRAME AND COVER TO FINAL GRADE.	655.0																		1								
DS 16-3	51+27.4	31.7 LT	INSTALL NEW TYPE J DRAINAGE STRUCTURE WITH FRAME AND GRATE. CONNECT TO EXISTING 12" DIA. CMP WITH CONCRETE COLLAR AND 6" UNDERDRAIN OUTLET PIPE.	654.9	N: 651.4		16.0	22.8				204	1														6.2				1	
DS 16-4	51+99.3	17.0 LT	REPLACE WITH MANHOLE FRAME AND COVER.	656.4																		1								1
DS 17-1	54+74.3	6.5 LT	ADJUST FRAME AND COVER TO FINAL GRADE.	658.1																		1								
DS 17-2	54+78.9	26.0 RT	INSTALL NEW FRAME AND GRATE FRAME TO FINAL GRADE. ADJUST STRUCTURE TO ACCEPT 6" UNDERDRAIN PIPE.	657.7																	1	1								1	
DS 18-1	56+15.3	26.0 RT	ADJUST EXISTING FRAME, INSTALL NEW GRATE TO FINAL GRADE AND ACCEPT 6" UNDERDRAIN PIPE.	658.5																		1						1		
DS 18-2	57+01.6	3.9 LT	ADJUST FRAME AND COVER TO FINAL GRADE.	660.0																		1								
DS 18-3	57+08.0	26.0 RT	INSTALL NEW FRAME AND GRATE FRAME TO FINAL GRADE. ADJUST STRUCTURE TO ACCEPT 6" UNDERDRAIN PIPE.	659.4																	1	1								1	
DS 19-1	58+29.5	12.0 LT	ADJUST FRAME AND COVER TO FINAL GRADE.	663.2																		1								
DS 19-2	58+32.4	26.0 RT	INSTALL NEW SWTD WITH FRAME AND GRATE. CONNECT TO EXISTING 24" DIA. RCP PIPES AND 8" PVC PIPE WITH CONCRETE COLLARS. ADJUST STRUCTURE TO ACCEPT 6" UNDERDRAIN PIPE.	662.6	E: 655.6 S: UNK. W: 655.6		22.1	31.2		1		309	3										1									
DS 20-1	60+91.9	39.4 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	670.5																		1						1		
DS 20-2	31+25.4	29.8 RT	CONNECT 12" SICPP OUTLET FROM DS 20-5. SEE NOTE 11.	*673.8*	*N: 664.3* S: 668.2																	1						1		
DS 20-3	61+28.1	26.0 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	673.5																		1						1		
DS 20-4	61+43.1	43.0 LT	ADJUST EXISTING FRAME AND COVER TO FINAL GRADE.	674.1																		1								

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRAUSER
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

DRAINAGE TABLE

DRT-05

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DRAINAGE TABLE (CONTINUED)

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BRIGHTON TOWERS TO CITY LIMIT (PLN-16 TO PLN-27)																																
DS 20-5	62+06.6	25.8 RT	INSTALL NEW TYPE J DRAINAGE STRUCTURE WITH FRAME AND GRATE. INSTALL 75 FT. OF 12" SICPP AT STRUCTURE OUTLET TO STRUCTURE DS 20-2.	677.6	N: 674.6		41.4	41.1	1		15.6	432		60							1					5.5						1	
DS 20-6	62+07.7	43.1 LT	NO WORK.	-																												
DS 21-1	S 2+72.5	27.8 LT	NO WORK.	-																												
DS 22-1	62+61.4	26.0 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	682.5																		1								1		
DS 22-2	63+61.3	47.7 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	690.2																		1								1		
DS 22-3	63+61.6	73.8 RT	INSTALL NEW GRATE IN EXISTING FRAME. CLEAN DRAINAGE STRUCTURE.	-																									1	1		
DS 22-4	63+89.0	29.0 LT	INSTALL NEW FRAME AND GRATE FRAME TO FINAL GRADE.	691.3																	1										1	
DS 22-5	63+97.5	71.8 RT	ADJUST EXISTING FRAME AND COVER TO FINAL GRADE.	691.6																		1								1		
DS 22-6	64+02.1	92.5 RT	INSTALL NEW GRATE IN EXISTING FRAME. CLEAN DRAINAGE STRUCTURE.	-																									1	1		
DS 22-7	64+19.6	40.5 RT	SEE NOTE 11.	-																												
DS 23-1	65+39.9	24.1 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	701.4																		1								1		
DS 23-2	66+80.1	14.4 LT	INSTALL NEW FRAME AND GRATE FRAME TO FINAL GRADE.	711.5																	1										1	
DS 24-1	68+35.1	14.0 LT	INSTALL NEW FRAME AND GRATE FRAME TO FINAL GRADE.	720.7																	1										1	
DS 24-2	68+35.6	24.8 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	722.0																		1								1		
DS 25-1	69+40.9	14.0 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	724.5																		1								1		
DS 25-2	71+15.9	14.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	729.2																		1								1		
DS 25-3	71+16.3	14.0 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	729.3																		1								1		
DS 27-1	75+16.0	21.7 LT	NO WORK.																													
					SUBTOTAL	0.0	79.5	95.1	1	1	15.6	944.9	4	60.0	0.0	0.0	0.0	0.0	0.0	0	6	21	0	0	0.0	11.6	0.0	0.0	2	14	0	7.0	1
					TOTAL	143.0	1107.6	2773.4	4	1	2144.9	23979.2	6	527.0	5.0	192.0	68.0	203.0	283.0	11	27	62	16	3	16.1	40.7	5.7	70.0	5	51	1	28	7

NOTES:
1. REFER TO DRD DWGS FOR DRAINAGE DETAILS.
2. FOR ADDITIONAL INFORMATION ON THE ORIENTATION OF PIPE INVERTS SEE ON PLN DWGS.
3. OFFSETS FOR STRUCTURES ADJACENT TO CURB ARE TAKEN AT CURB LINE. OFFSETS FOR ALL OTHER STRUCTURES TAKEN AT CENTER OF GRATE OR COVER.
4. CONTRACTOR TO VERIFY THAT NO UNDOCUMENTED PIPES OUTLET TO THE STRUCTURES THAT ARE TO REMOVED OR ABANONED. IF IT IS DETERMINED THAT THE STRUCTURES ARE TO REQUIRED TO REMAIN THEY SHOULD BE MODIFIED TO REMOVE THE EXISTING FRAME AND GRATE (ITEM 604.070303) AND REPLACED WITH MANHOLE FRAME AND COVER (ITEM 655.1202).
5. ITEM 655.04000006 - FURNISH AND INSTALL GRATES IN EXISTING FRAMES SHALL BE REPLACED WITH TYPE 02028034 GALVANIZED STEEL RETICULINE GRATE BY EJ OR APPROVE EQUAL .
6. EXISTING FRAMES THAT REQUIRE REPLACEMENT DUE TO THEIR CONDITION SHOULD BE REPLACED WITH 7160Z CAST FRAME BY EJ OR APPROVED EQUAL. FRAME SHALL BE MODIFIED TO REMOVE BACK FLANGE AND GUSSETS TO ACCOMDATE CURB. COST TO BE PAID FOR UNDER ITEM 655.1116.
7. EXISTING CMP PIPE SHOULD BE REPLACED DUE TO ITS DETERIORTED CONDITION. ANY CMP ENCOUNTERED THAT IS NOT INCLUDED IN THIS TABLE SHOULD BE REPLACED WITH SICPP A.O.B.E.
8. NEW STRUCTURES (ITEM 604.301016) OR EXISTING MODIFIED EXISTING STRUCTURES (ITEM 604.070302) SHALL USE ITEM 655.1116 - WELDED FRAME AND RETICULINE GRATE 16.
9. SEE "DETAIL A" ON DWG DRD-02 FOR CURB SEAT TO BE CAST INTO TOP SLAB OF ITEM ITEM 604.301016.
10. TEST PIT EXCAVATION (ITEM 206.05) HAS BEEN INCLUDED IN AREAS WHERE THERE MAY BE UTILITY CONFLICTS WITH PROPOSED DRAINAGE STRUCTURES AND/OR PIPES. CONTRACTOR TO CONFIRM ANY POTENTIAL CONFLICTS PRIOR TO INSTALLATION.
11. SEE STONE FILL TABLE ON DWG MST-07 FOR PLACEMENT AROUND FIELD INLET STRUCTURES DS 3-2, DS13-7, DS 20-2 & DS 22-7.
12. ITEM 204.01 - CONTROLLED LOW STRENGTH MATERIAL (CLSM) SHOULD BE PLACED A.O.B.E IN AREAS WHERE ADEQUATE COMPACTION CANNOT BE MET.
13. COST OF ANY MODIFICATIONS REQUIRED TO CONNECT PIPES TO EXISTING DRAINAGE STRUCTURES (ENLARGING ENTRY HOLE, CREATING A NEW ENTRY AND SEALING) SHALL BE INCLUDED UNDER THE RESPECTIVE 603 PIPE ITEM.
14. PLUGGED 12" DIA. CMP PIPE HAS UNKNOWN ORIGIN BUT SHALL BE REPLACED IF REQUIRED FOR FUNCTION OF DRAINAGE SYSTEM WITH 12" DIA. SICPP PIPE. QUANTITIES IN THE TABLE ASSUME PIPE OUTLETS FROM DS 14-1. IF THE PIPE IS DETERMINED TO NOT HAVE ANY FUNCTION NO WORK IS REQUIRED.

FIELD REVISION SHEET THIS SHEET SUPERSEDES SHEET NO. 41

CHANGES INCLUDE:
1. **RELOCATION OF DS 20-5 AND NEW NORTH INVERT.**

C&S COMPANIES
C&S Engineers, Inc.
499 Col Eileen Collins Blvd,
Syracuse, NY 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

2/11/2026

STATE OF NEW YORK · DOUGLAS OWEN STANGER · LICENSED PROFESSIONAL ENGINEER · NO. 073781

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

DRAINAGE TABLE

DRT-06
SHEET 41R1 OF 241

Dec 08, 2025 - 9:23am
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DRAINAGE TABLE (CONTINUED)

ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL
ITEM 203.07 - SELECT GRANULAR FILL
ITEM 206.0201 - TRENCH AND CULVERT EXCAVATION
ITEM 206.05 - TEST PIT EXCAVATION
ITEM 208.5401 - STORMWATER TREATMENT SYSTEM SWTD - MAXIMUM TREATMENT FLOW RATE OVER 2.8 CFS UP TO 3.8 CFS
ITEM 304.12 - SUBBASE COURSE, TYPE 2
ITEM 552.17 - SHIELDS AND SHORING
ITEM 603.77 - CONCRETE COLLARS
ITEM 603.9812 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 12" DIAMETER
ITEM 603.9815 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 15" DIAMETER
ITEM 603.9818 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 18" DIAMETER
ITEM 603.9824 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 24" DIAMETER
ITEM 603.9830 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 30" DIAMETER
ITEM 603.9842 - SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 42" DIAMETER
ITEM 603.99050002 - CONCRETE PLUGS FOR SEWER PIPE
ITEM 604.070301 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
ITEM 604.070302 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
ITEM 604.070303 - ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES
ITEM 604.11 - PREFABRICATED ADJUSTMENT FRAMES FOR DRAINAGE STRUCTURES
ITEM 604.4048 - ROUND PRECAST CONCRETE MANHOLE TYPE 48
ITEM 604.301016 - RECTANGULAR DRAINAGE STRUCTURE TYPE J FOR #16 WELDED FRAME
ITEM 621.03 - CLEANING CLOSED DRAINAGE SYSTEMS
ITEM 621.04 - CLEANING DRAINAGE STRUCTURES
ITEM 655.04000006 - FURNISH AND INSTALL GRATES IN EXISTING FRAMES
ITEM 655.1116 - WELDED FRAME AND RETICULINE GRATE 16
ITEM 655.1202 - MANHOLE FRAME AND COVER

STRUCTURE NUMBER	HCL STATION	OFFSET (FT)	WORK TO BE PERFORMED	RIM ELEV	INVERTS	ITEM 203.02	ITEM 203.07	ITEM 206.0201	ITEM 206.05	ITEM 208.5401	ITEM 304.12	ITEM 552.17	ITEM 603.77	ITEM 603.9812	ITEM 603.9815	ITEM 603.9818	ITEM 603.9824	ITEM 603.9830	ITEM 603.9842	ITEM 603.99050002	ITEM 604.11	ITEM 604.070301	ITEM 604.070302	ITEM 604.070303	ITEM 604.4048	ITEM 604.301016	ITEM 621.03	ITEM 621.04	ITEM 655.04000006	ITEM 655.1116	ITEM 655.1202
						CY	CY	CY	EA	EA	CY	SF	EA	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	LF	LF	LF	EA	EA	EA	EA
BRIGHTON TOWERS TO CITY LIMIT (PLN-16 TO PLN-27)																														
DS 20-5	62+06.6	25.8 RT	INSTALL NEW TYPE J DRAINAGE STRUCTURE WITH FRAME AND GRATE. INSTALL 75 FT. OF 12" SICPP AT STRUCTURE OUTLET TO STRUCTURE DS 20-2.	678.8	N: 671.95		50.3	97.1	1		30.9	1061		75							1					9.3				1	
DS 20-6	62+07.7	43.1 LT	NO WORK.	-																										
DS 21-1	S 2+72.5	27.8 LT	NO WORK.	-																										
DS 22-1	62+61.4	26.0 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	682.5																		1							1		
DS 22-2	63+61.3	47.7 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	690.2																		1							1		
DS 22-3	63+61.6	73.8 RT	INSTALL NEW GRATE IN EXISTING FRAME. CLEAN DRAINAGE STRUCTURE.	-																								1	1		
DS 22-4	63+89.0	29.0 LT	INSTALL NEW FRAME AND GRATE FRAME TO FINAL GRADE.	691.3																	1									1	
DS 22-5	63+97.5	71.8 RT	ADJUST EXISTING FRAME AND COVER TO FINAL GRADE.	691.6																		1							1		
DS 22-6	64+02.1	92.5 RT	INSTALL NEW GRATE IN EXISTING FRAME. CLEAN DRAINAGE STRUCTURE.	-																								1	1		
DS 22-7	64+19.6	40.5 RT	SEE NOTE 11.	-																										
DS 23-1	65+39.9	24.1 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	701.4																		1							1		
DS 23-2	66+80.1	14.4 LT	INSTALL NEW FRAME AND GRATE FRAME TO FINAL GRADE.	711.5																	1									1	
DS 24-1	68+35.1	14.0 LT	INSTALL NEW FRAME AND GRATE FRAME TO FINAL GRADE.	720.7																	1									1	
DS 24-2	68+35.6	24.8 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	722.0																		1							1		
DS 25-1	69+40.9	14.0 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	724.5																		1							1		
DS 25-2	71+15.9	14.0 RT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	729.2																		1							1		
DS 25-3	71+16.3	14.0 LT	ADJUST EXISTING FRAME AND INSTALL NEW GRATE TO FINAL GRADE.	729.3																		1							1		
DS 27-1	75+16.0	21.7 LT	NO WORK.																												
					SUBTOTAL	0.0	88.4	151.1	1	1	30.9	1574.1	4	75.0	0.0	0.0	0.0	0.0	0.0	0	6	21	0	0	0.0	15.5	0.0	2	14	7.0	1
					TOTAL	143.0	1117.6	2831.0	4	1	2160.2	24623.1	6	509.0	37.0	192.0	68.0	203.0	283.0	11	27	62	16	3	16.1	50.6	70.0	5	51	28	7

NOTES:
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1/9/2025

STATE OF NEW YORK · DOUGLAS OWEN STRAUSER · LICENSED PROFESSIONAL ENGINEER · LIC. NO. 073767

Syracuse New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

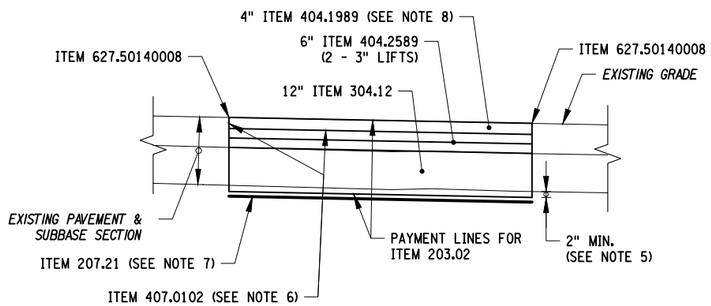
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DRAINAGE TABLE

DRT-06

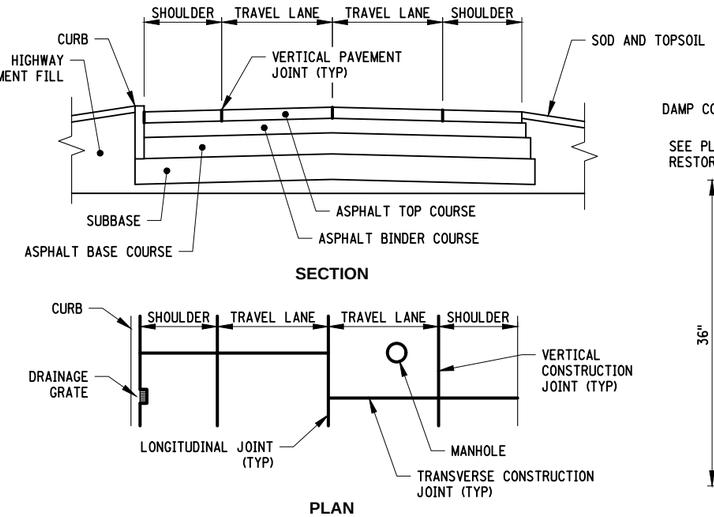
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WMA FULL DEPTH PAVEMENT REPAIR

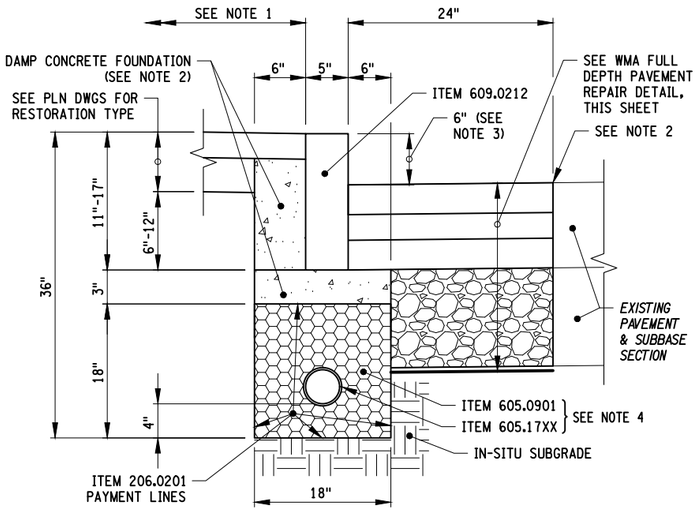
SEE PRP DWGS FOR LOCATIONS
NOT TO SCALE



ITEM 418.7603

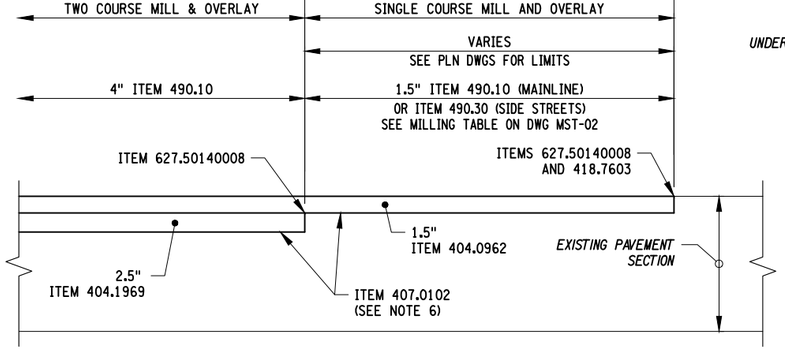
ASPHALT PAVEMENT JOINT ADHESIVE DETAIL

NOT TO SCALE



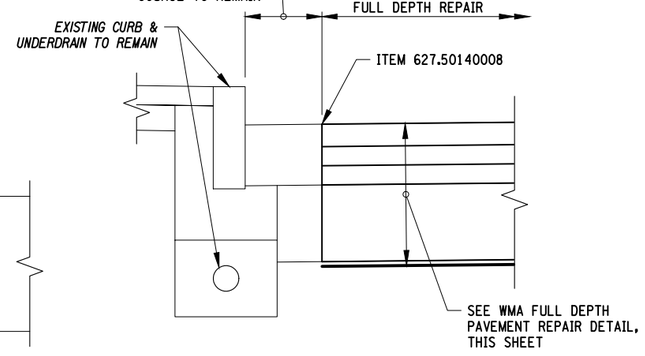
TYPICAL GRANITE CURB AND UNDERDRAIN INSTALLATION

SEE TABLE ON DWG MST-03 TO 04 FOR LOCATIONS
NOT TO SCALE



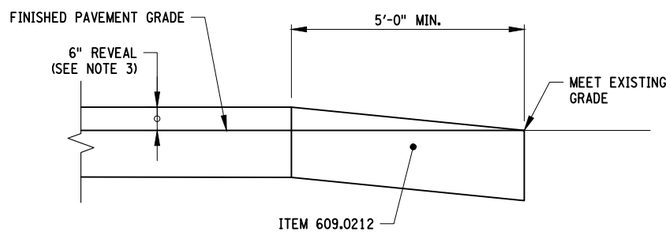
PAVEMENT TERMINATION DETAIL

SEE PLN DWGS FOR LOCATIONS NOT TO SCALE



FULL DEPTH PAVEMENT REPAIR ADJACENT TO EXISTING CURB TO REMAIN

SEE PRP DWGS FOR LOCATIONS
NOT TO SCALE



CURB TRANSITION TO EXISTING GRADE

SEE TABLE ON DWG MST-03 TO MST-04 FOR CURB TRANSITION LOCATIONS
NOT TO SCALE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
206.0201	TRENCH AND CULVERT EXCAVATION	CY
207.21	GEOTEXTILE SEPARATION	SY
304.12	SUBBASE COURSE, TYPE 2	CY
404.0962	9.5 F2 TOP COURSE WMA, 60 SERIES COMPACTION	TON
404.1969	19.0 F9 BINDER COURSE WMA, 60 SERIES COMPACTION	TON
404.1989	19.0 F9 BINDER COURSE WMA, 80 SERIES COMPACTION	TON
404.2589	25 F9 BASE COURSE WMA, 80 SERIES COMPACTION	TON
407.0102	DILUTED TACK COAT	GAL
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
490.10	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE	SY
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
605.0901	UNDERDRAIN FILTER, TYPE 1	CY
605.1701	OPTIONAL UNDERDRAIN PIPE, 4 INCH DIAMETER	LF
605.1702	OPTIONAL UNDERDRAIN PIPE, 6 INCH DIAMETER	LF
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
627.50140008	CUTTING PAVEMENT	LF

NOTES

1. RESTORATION OF DISTURBED AREAS BEHIND NEW CURB AND SIDEWALK SHALL BE AS FOLLOWS:
   - LAWN AREAS: USE ITEM 610.1605 WITH 4" OF TOPSOIL (2' WIDTH OR AOBE)
   - ASPHALT DRIVEWAYS: SEE HMA DRIVEWAY DETAIL ON DWG MSD-02. SEE PLN DWGS AND DRIVEWAY TABLE ON DWG DWT-01 TO DWT-03 FOR REPLACEMENT LOCATIONS AND LIMITS.
   - CONCRETE SIDEWALKS AND DRIVEWAY APRONS: SEE CONCRETE SIDEWALK AND DRIVEWAY DETAIL ON DWG MSD-02. SEE PLN DWGS AND CONCRETE SIDEWALK TABLE ON DWG MST-05 TO 06 FOR REPLACEMENT LOCATIONS AND LIMITS.
2. PAYMENT FOR SAWCUTTING, CONCRETE FOUNDATION AND BACKING TO BE INCLUDED UNDER CURB ITEM.
3. 6" DIMENSION FROM TOP OF CURB TO BOTTOM OF CURB IS OPTIMAL DESIGN DIMENSION. THIS DIMENSION MAY VARY DUE TO CHANGES IN PAVEMENT GRADE AND AS DIRECTED BY THE ENGINEER.
4. SEE CURB AND UNDERDRAIN TABLE ON DWG MST-03 TO MST-04 FOR LOCATIONS AND SIZES OF UNDERDRAIN INSTALLATION. UNDERDRAIN PIPE TO BE CENTERED HORIZONTALLY IN TRENCH.
5. SUBBASE SHALL BE PLACED A MINIMUM OF 2" BELOW THE BOTTOM OF EXISTING SUBBASE OR BE 12" DEEP, WHICHEVER IS GREATER.
6. DILUTED TACK COAT (ITEM 407.0102) SHALL BE USED ON MILLED SURFACES, EXISTING WMA PAVEMENT AND BETWEEN ALL LIFTS OF NEW WMA PAVEMENT, AS WELL AS ON VERTICAL FACES FOR ALL WMA COURSES EXCEPT THE WMA TOP COURSE. ASPHALT PAVEMENT JOINT ADHESIVE (ITEM 418.7603) SHALL BE USED ON VERTICAL FACES FOR ALL JOINTS IN THE WMA TOP COURSE, INCLUDING CURBS AND DRAINAGE STRUCTURES.
7. ITEM 207.21 - GEOTEXTILE SEPARATION, SHALL BE STRENGTH CLASS 2 AND SEPARATION CLASS 'X'.
8. FULL DEPTH REPAIRS SHOULD TAKE PLACE PRIOR TO MILLING OPERATIONS. PLACE BINDER COURSE TO MEET EXISTING PAVEMENT SURFACE ELEVATION. IF BINDER THICKNESS IS MORE THAN 4", IT SHALL BE INSTALLED IN TWO LIFTS.

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1/9/2025

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Syracuse NEW YORK

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PIN 3756.80

MARK	DATE	DESCRIPTION

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CHECKED BY:	DOS

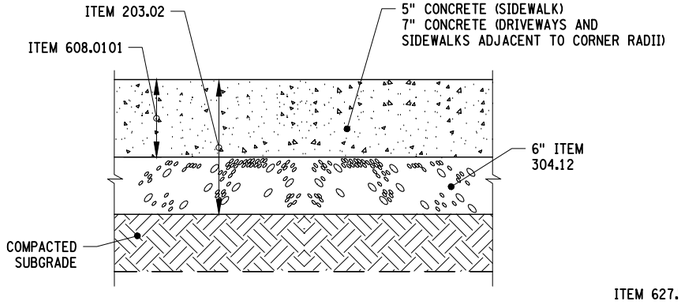
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MISCELLANEOUS DETAILS

MSD-01

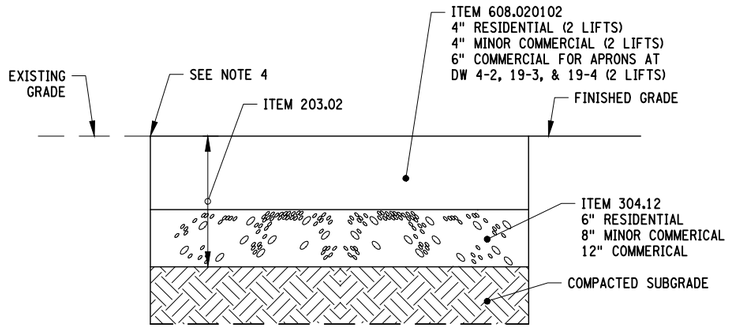
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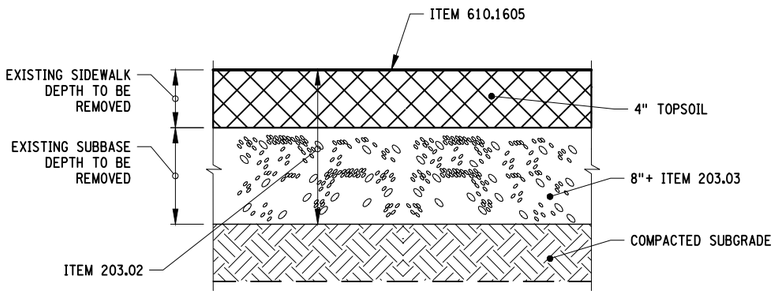
CONCRETE SIDEWALK AND DRIVEWAY DETAIL

SEE NOTE 1 & 2 AND TABLE ON DWG MST-05 TO 06
NOT TO SCALE



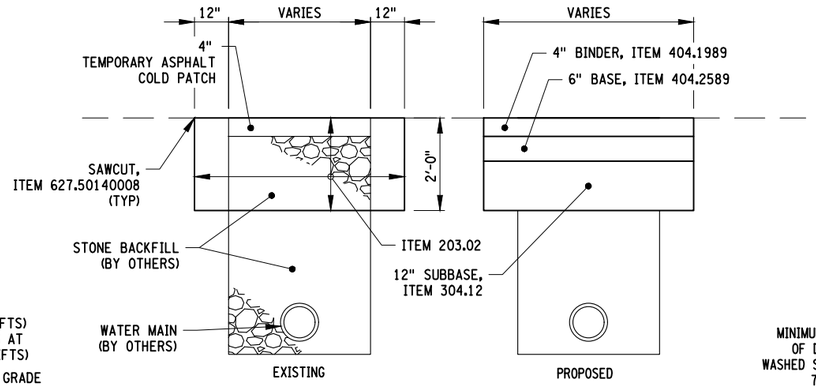
HMA DRIVEWAY DETAIL

SEE DRIVEWAY TABLE ON DWT DWGS FOR LOCATIONS.
NOT TO SCALE



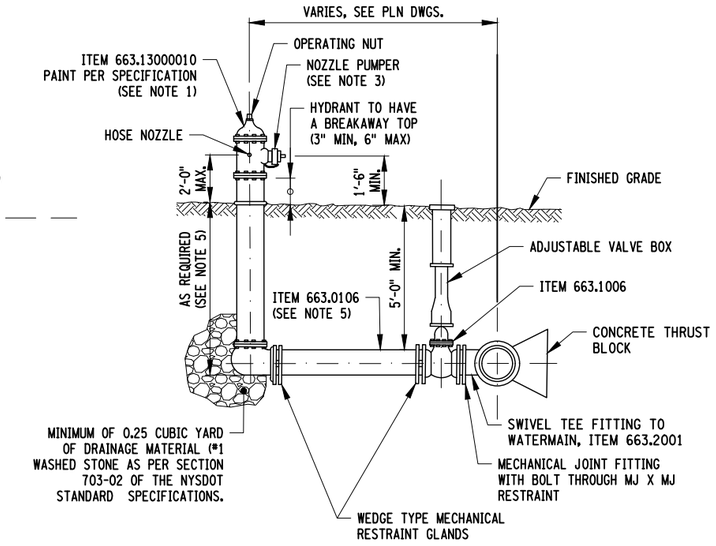
PERMANENT REMOVAL OF EXISTING SIDEWALK

SEE DWG CRD-01 TO CRD-09 FOR LOCATIONS.
NOT TO SCALE



WATERMAIN TRENCH RESTORATION

NOT TO SCALE

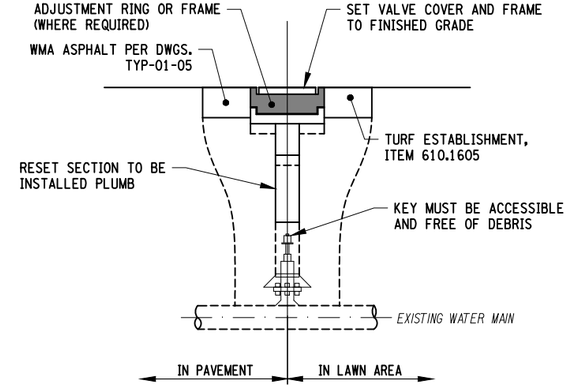


HYDRANT NOTES:

1. CITY OF SYRACUSE WATER DEPARTMENT WILL PROVIDE FIRE HYDRANTS FOR INSTALLATION. CONTRACTOR TO COORDINATE PICK-UP FROM WATER DEPARTMENT COMMISIONER JOE AWALD AT (315) 448-8340.
2. REFER TO PLN DWGS AND TABLE OF HDRANTS ON MST DWGS LOCATION AND DETAILS.
3. ORIENTATE PUMPER NOZZLE PERPENDICULAR TO EDGE OF ROADWAY.
4. 6.5 FT OF BRANCH PIPE BETWEEN VALVE AND HYDRANT STEM INCLUDED IN ITEM 663.1301. PIPE FOOTAGE INSTALLED IN EXCESS OF 6 FT SHALL BE PAID UNDER ITEM 663.0106.
5. CONTRACTOR SHALL VERIFY HYDRANT STEM LENGTH BASED ON FIELD CONDITIONS AND GRADES PRIOR TO SECURING NEW HYDRANTS TO INSURE PROPER INSTALLATION HEIGHT.

FIRE HYDRANT ASSEMBLY

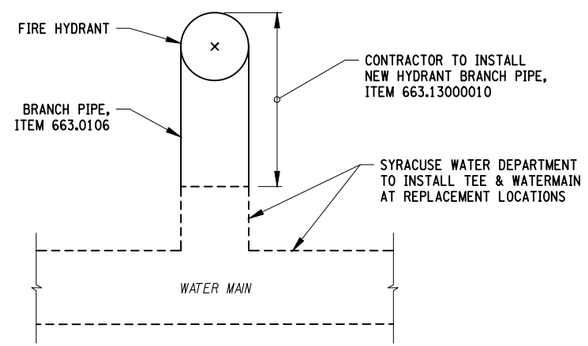
NOT TO SCALE



ITEM 663.33

ADJUST WATER VALVE BOX

SEE VALVE BOX ADJUSTMENT TABLE ON DWG MST-08 TO 10 FOR LOCATIONS
NOT TO SCALE



PLAN

FIRE HYDRANT INSTALLATION AT NEW MAINS

NOTE: SEE HYDRANT TABLE ON DWG MST-02 FOR LOCATIONS
NOT TO SCALE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
203.03	EMBANKMENT IN PLACE	CY
304.12	SUBBASE COURSE, TYPE 2	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.020102	HMA SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS, AND VEGETATION CONTROL STRIPS	TON
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY
663.33	ADJUST EXISTING VALVE BOX ELEVATION	EA
663.0106	DUCTILE IRON CEMENT LINED WATER PIPE, 6"	LF
663.1006	RESILIENT WEDGE VALVE AND BOX, 6"	EA
663.1301	HYDRANT	EA

NOTES

1. EXISTING SIDEWALK SHALL BE SAWCUT AT NEXT JOINT BEYOND REPLACEMENT LINITS, PAY MANET SHALL BE INCLUDED UNDER ITEM 608.0101.
2. 6X6 WWF IS REQUIRES WHERE SIDEWALK CROSSES DRIVEWAYS AND IN CONCRETE APRONS.
3. DILUTED TACK COAT (ITEM 407.0102) SHALL BE USED ON MILLED SURFACES, EXISTING WMA PAVEMENT AND BETWEEN ALL LIFTS OF NEW WMA PAVEMENT, AS WELL AS ON VERTICAL FACES FOR ALL WMA COURSES EXCEPT THE WMA TOP COURSE. ASPHALT PAVEMENT JOINT ADHESIVE (ITEM 418.7603) SHALL BE USED ON VERTICAL FACES FOR ALL JOINTS IN THE WMA TOP COURSE, INCLUDING CURBS AND DRAINAGE STRUCTURES.
4. SAWCUT DRIVEWAY AT LIMIT OF RECONSTRUCTION. PAYMENT SHALL BE INCLUDED UNDER ITEM 608.020102.

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STANLEY
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse
NEW YORK

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

MISCELLANEOUS DETAILS

MSD-02

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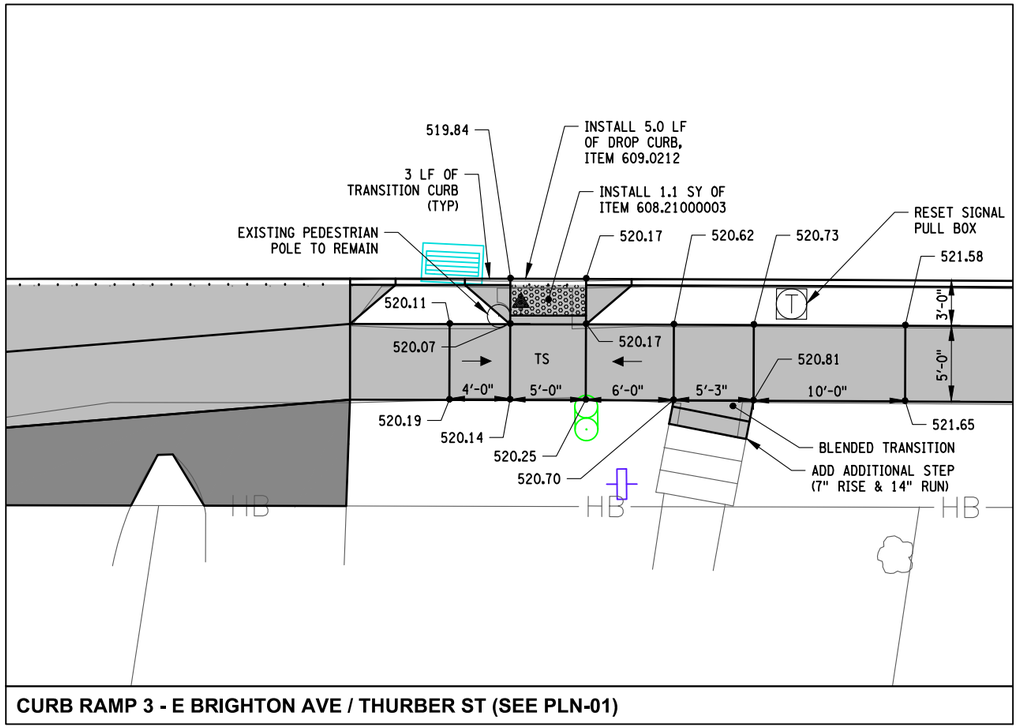
LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TS TURNING SPACE

5 0 5 10

TYPICAL OF ALL QUADRANTS

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

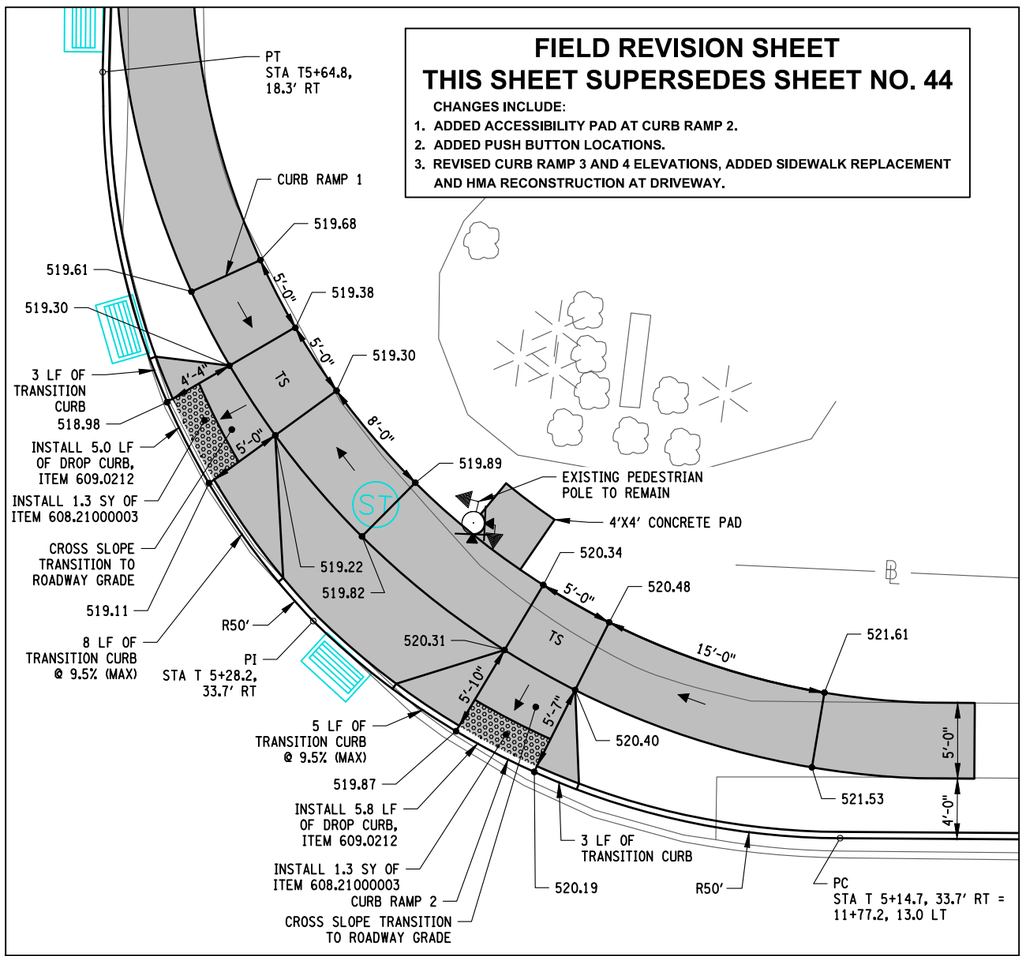


CURB RAMP 3 - E BRIGHTON AVE / THURBER ST (SEE PLN-01)

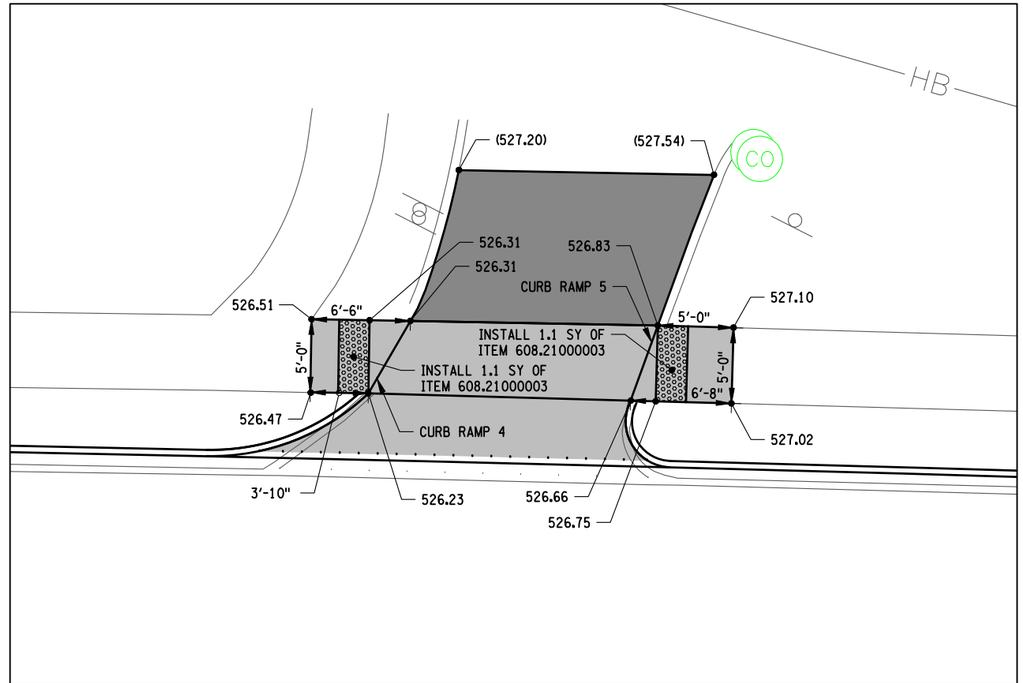
FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 44

CHANGES INCLUDE:

1. ADDED ACCESSIBILITY PAD AT CURB RAMP 2.
2. ADDED PUSH BUTTON LOCATIONS.
3. REVISED CURB RAMP 3 AND 4 ELEVATIONS, ADDED SIDEWALK REPLACEMENT AND HMA RECONSTRUCTION AT DRIVEWAY.



CURB RAMP 1 & 2 - 977 E BRIGHTON AVE/ THURBER ST (SEE PLN-01)



CURB RAMP 4 & 5 - 415 E BRIGHTON AVE (SEE PLN-02)

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2/11/2026

STATE OF NEW YORK * DOUGLAS OWEN STANBURY * LICENSED PROFESSIONAL ENGINEER * NO. 073781

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

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DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

CURB RAMP DETAILS

CRD-01

SHEET 44R1 OF 241

Feb 11, 2026 - 11:18am
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LEGEND

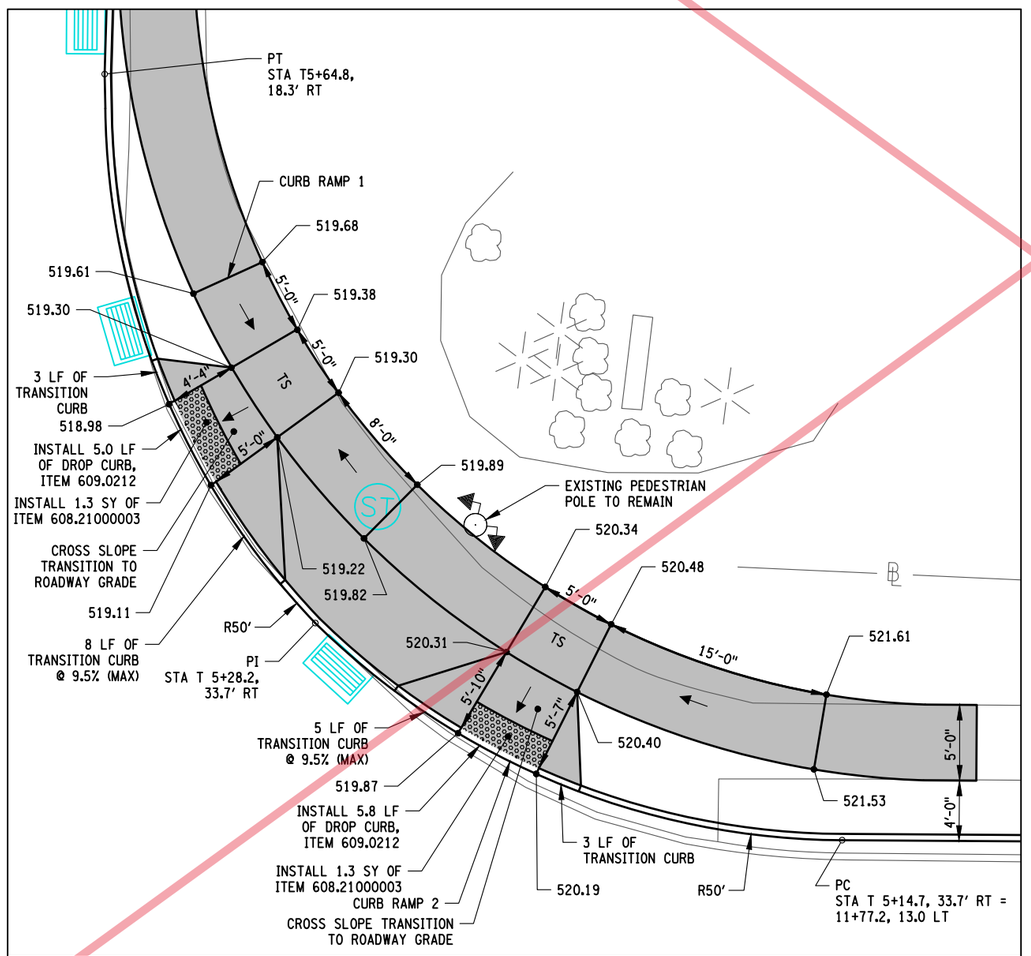
- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TS TURNING SPACE

5 0 5 10

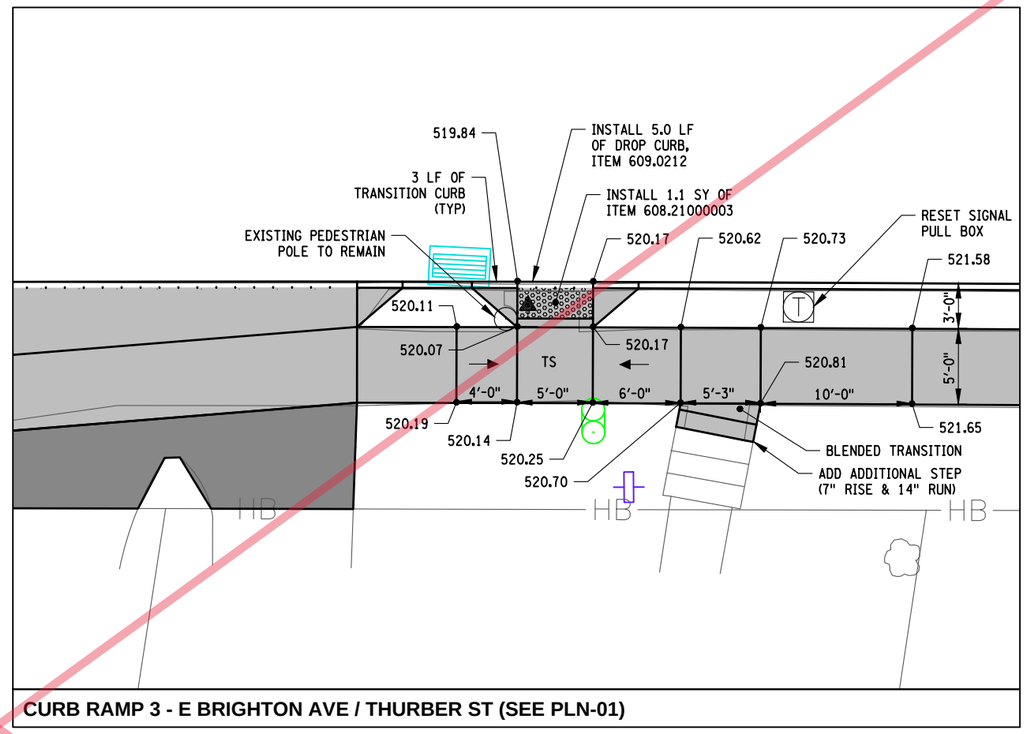


TYPICAL OF ALL QUADRANTS

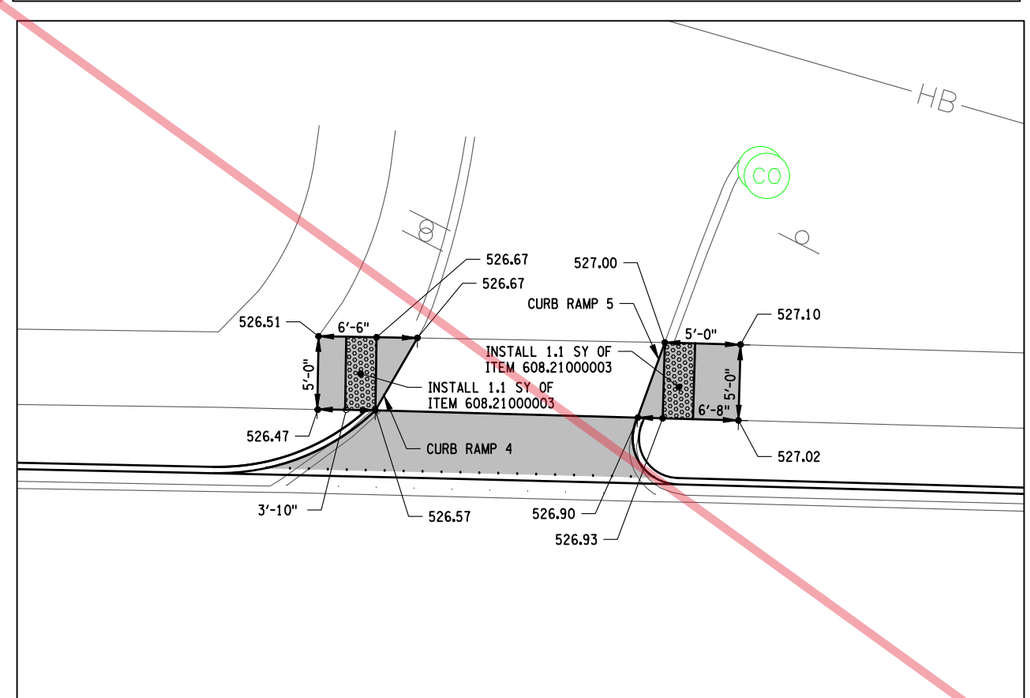
ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY



CURB RAMP 1 & 2 - 977 E BRIGHTON AVE/ THURBER ST (SEE PLN-01)



CURB RAMP 3 - E BRIGHTON AVE / THURBER ST (SEE PLN-01)



CURB RAMP 4 & 5 - 415 E BRIGHTON AVE (SEE PLN-02)

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Syracuse

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
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DESIGNED BY:	DJB
CHECKED BY:	DOS

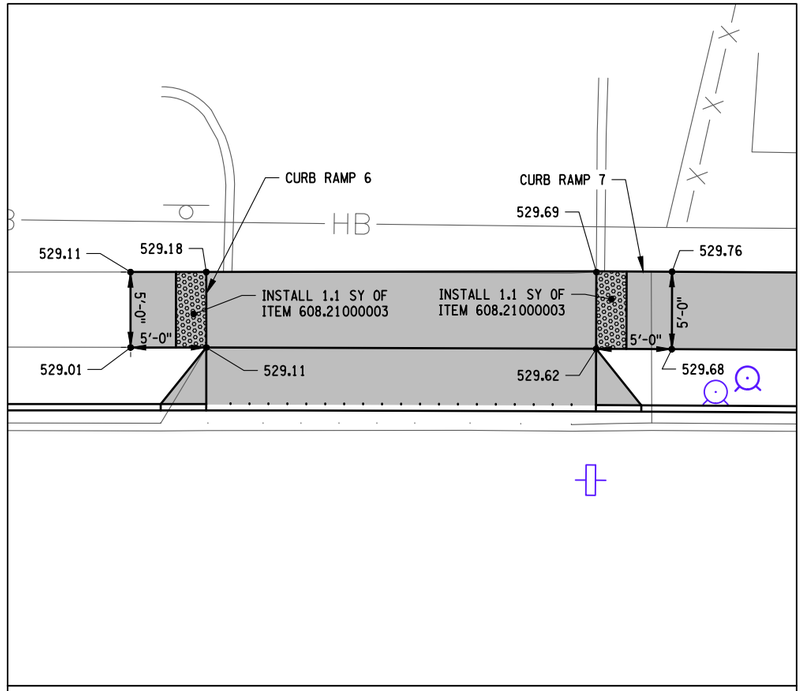
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CURB RAMP DETAILS

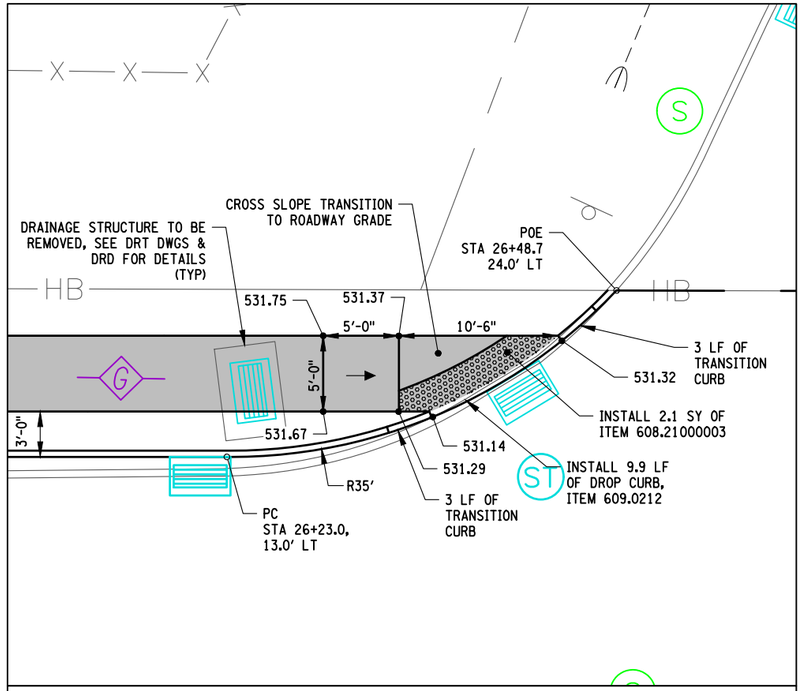
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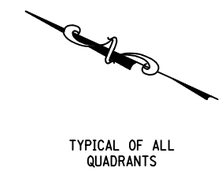
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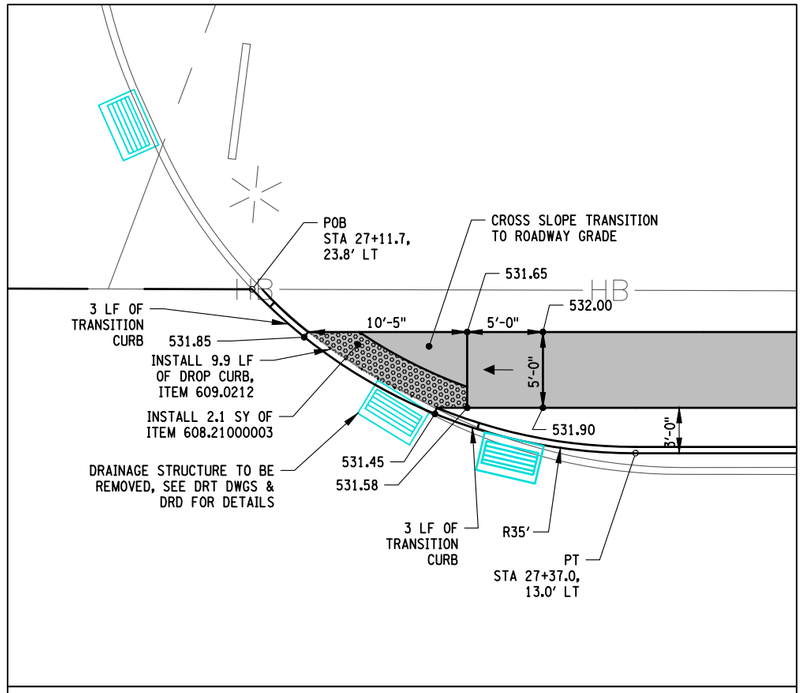


CURB RAMP 6 & 7 - 415 E BRIGHTON AVE (SEE PLN-03)

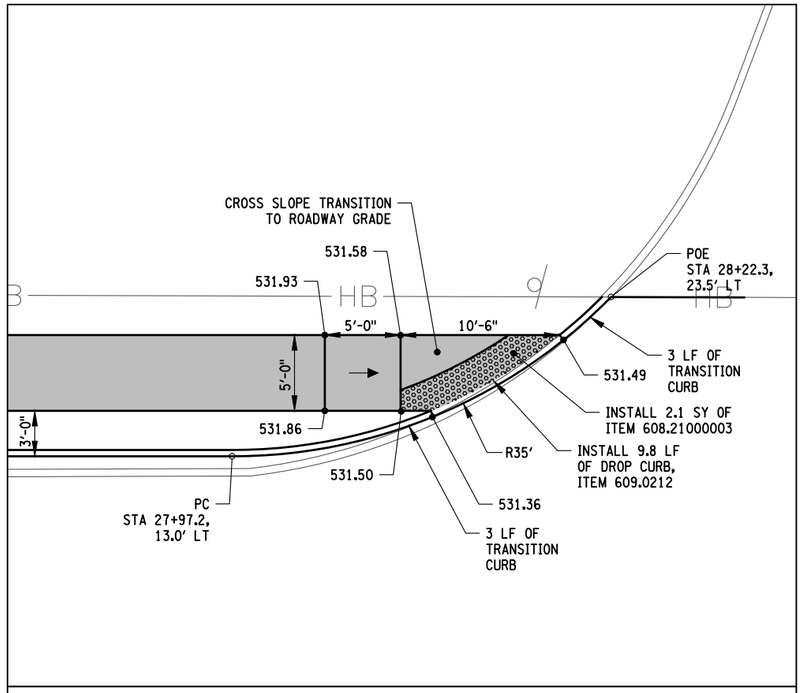


CURB RAMP 8 - E BRIGHTON AVE / IVY RIDGE RD (SEE PLN-08)





CURB RAMP 9 - E BRIGHTON AVE / IVY RIDGE RD (SEE PLN-08)



CURB RAMP 10 - E BRIGHTON AVE / NEWBURY HOLLOW LN (SEE PLN-09)

LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TS TURNING SPACE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

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Syracuse

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

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CHECKED BY:	DOS

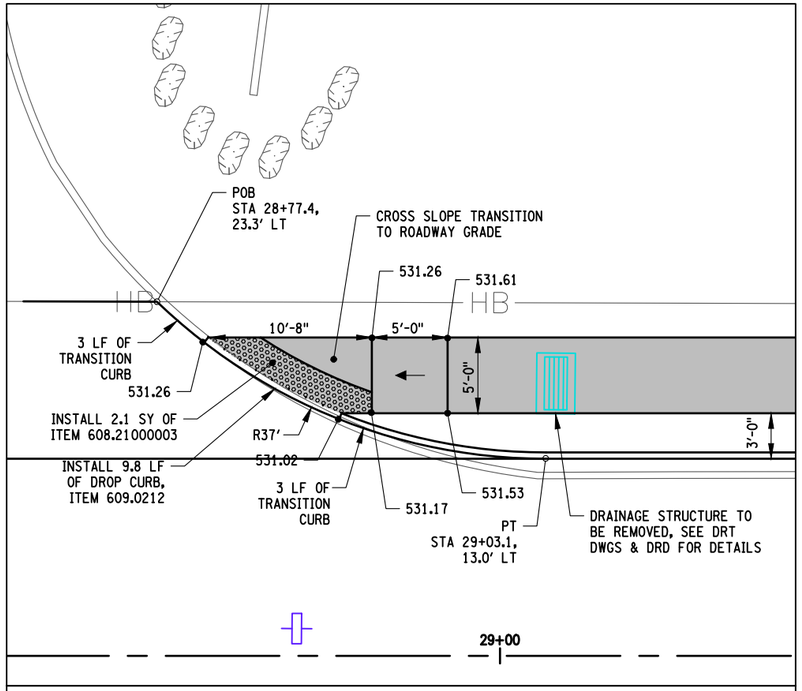
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CURB RAMP DETAILS

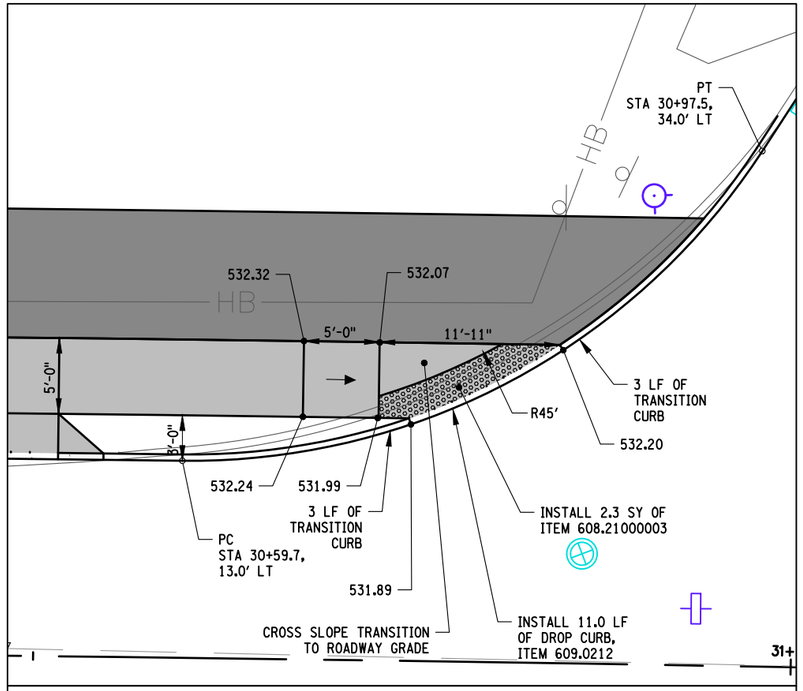
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CURB RAMP 11 - E BRIGHTON AVE / NEWBURY HOLLOW LN (SEE PLN-09)



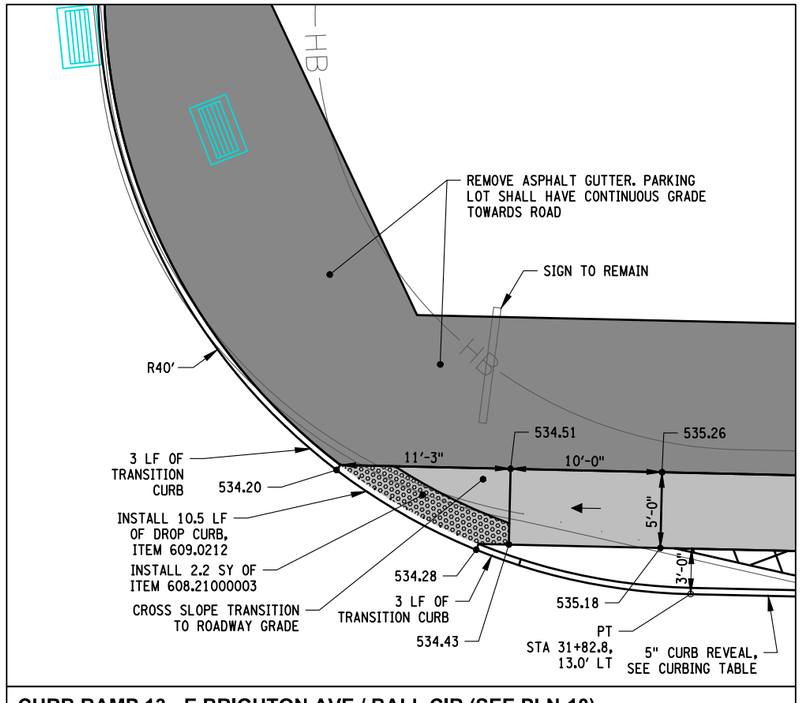
CURB RAMP 12 - E BRIGHTON AVE / BALL CIR (SEE PLN-10)

TYPICAL OF ALL
QUADRANTS

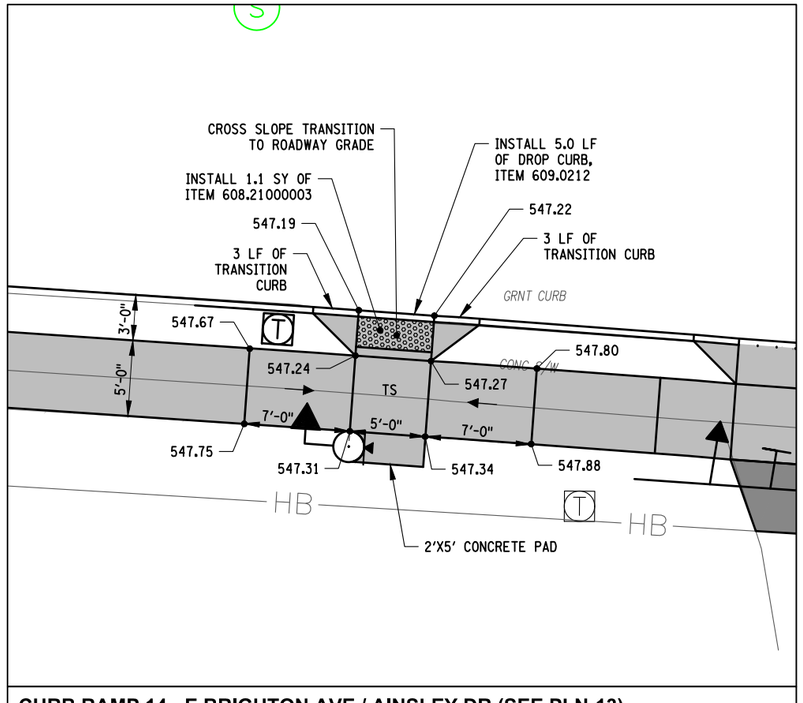
FIELD REVISION SHEET
THIS SHEET SUPERSEDES
SHEET NO. 46

CHANGES INCLUDE:

1. DISPLAYED PEDESTRIAN POLE AND CHANGED.
2. ADDED ACCESSIBILITY PAD AT CURB RAMP 14.
3. ADDED PUSH BUTTON LOCATIONS.



CURB RAMP 13 - E BRIGHTON AVE / BALL CIR (SEE PLN-10)



CURB RAMP 14 - E BRIGHTON AVE / AINSLEY DR (SEE PLN-13)

LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TS TURNING SPACE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

5 0 5 10

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2/11/2026

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Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
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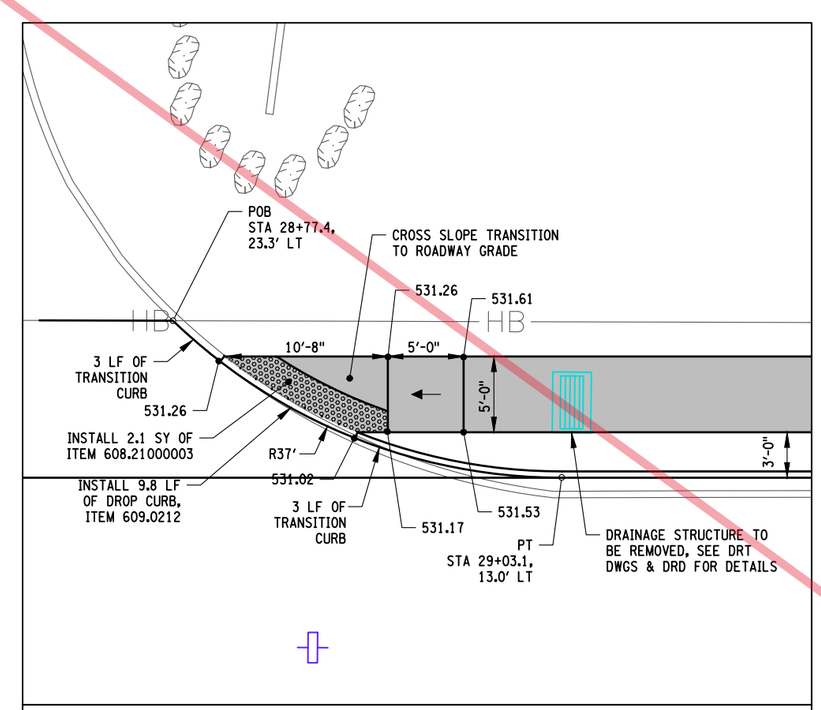
CURB RAMP DETAILS

CRD-03

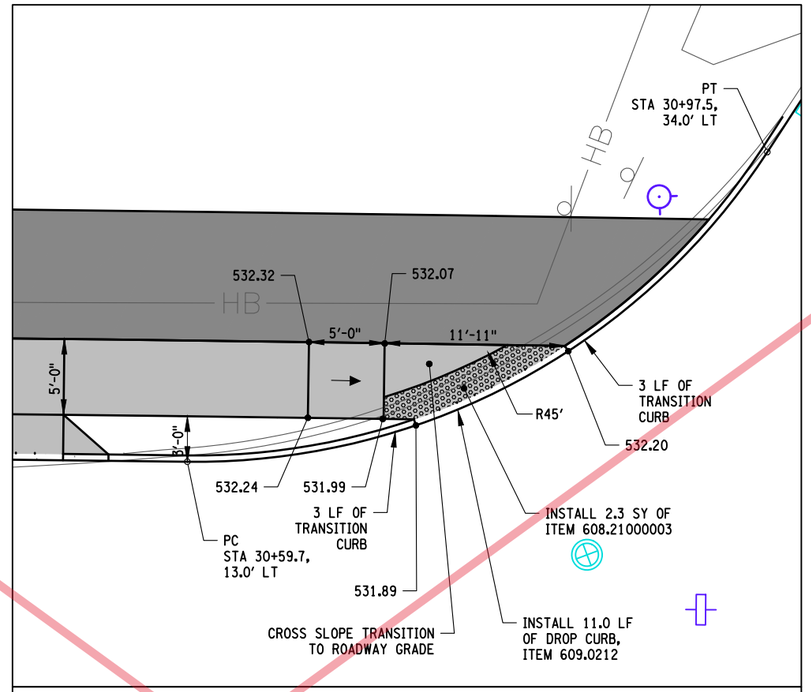
SHEET 46R1 OF 241

Feb 11, 2026 - 11:18am
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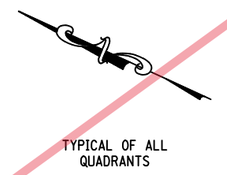
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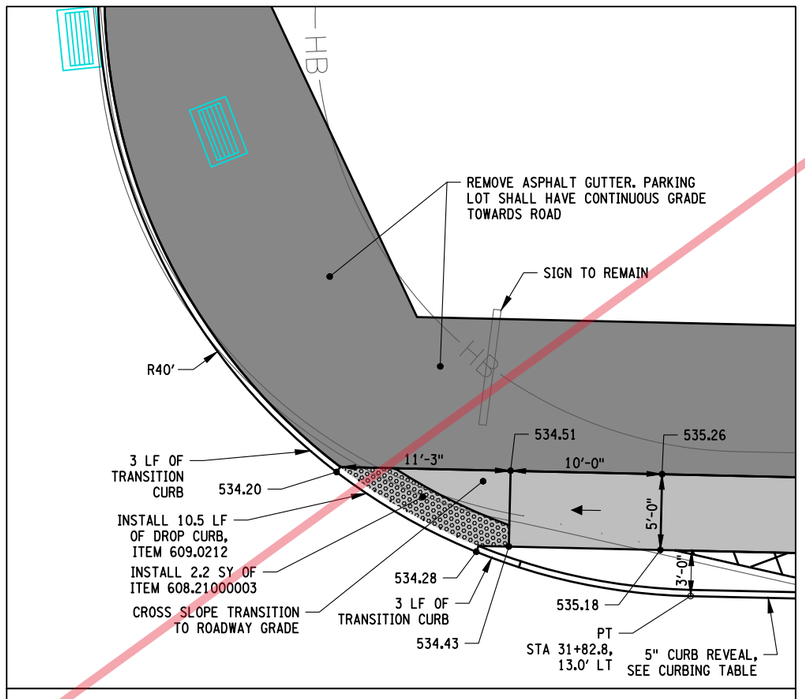


CURB RAMP 11 - E BRIGHTON AVE / NEWBURY HOLLOW LN (SEE PLN-09)

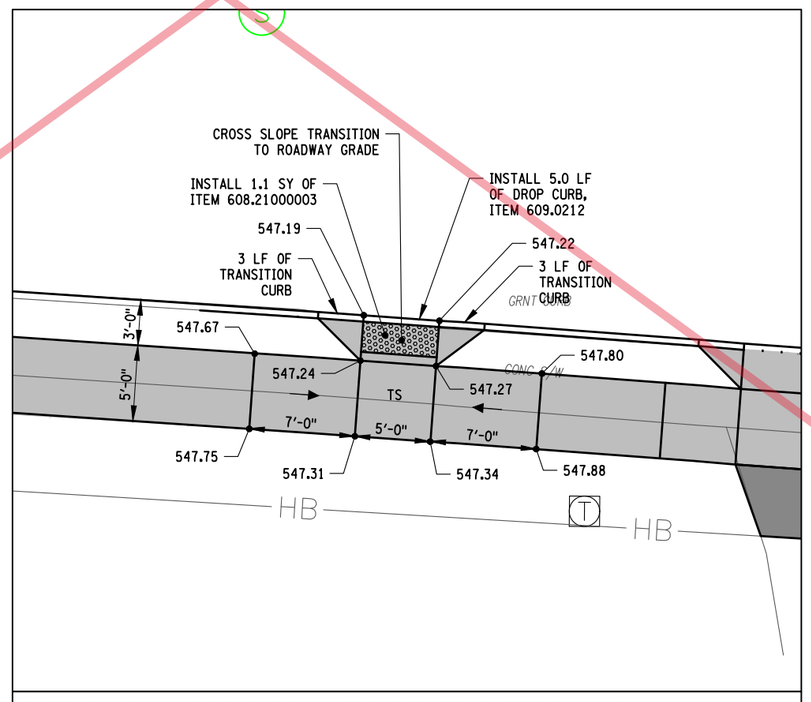


CURB RAMP 12 - E BRIGHTON AVE / BALL CIR (SEE PLN-10)





CURB RAMP 13 - E BRIGHTON AVE / BALL CIR (SEE PLN-10)



CURB RAMP 14 - E BRIGHTON AVE / AINSLEY DR (SEE PLN-13)

LEGEND

←	CURB RAMP SLOPE
	NEW CURB (ITEM 609.0212)
	DETECTABLE WARNING UNIT (ITEM 608.21000003)
	PERMANENT CONCRETE REMOVAL (ITEM 203.02)
	CONCRETE SIDEWALK (ITEM 608.0101)
	ASPHALT DRIVEWAY (ITEM 608.0201O2)
TC	TOP OF CURB
BC	BOTTOM OF CURB
TS	TURNING SPACE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

5 0 5 10

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LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
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DRAWN BY:	DJB
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CHECKED BY:	DOS

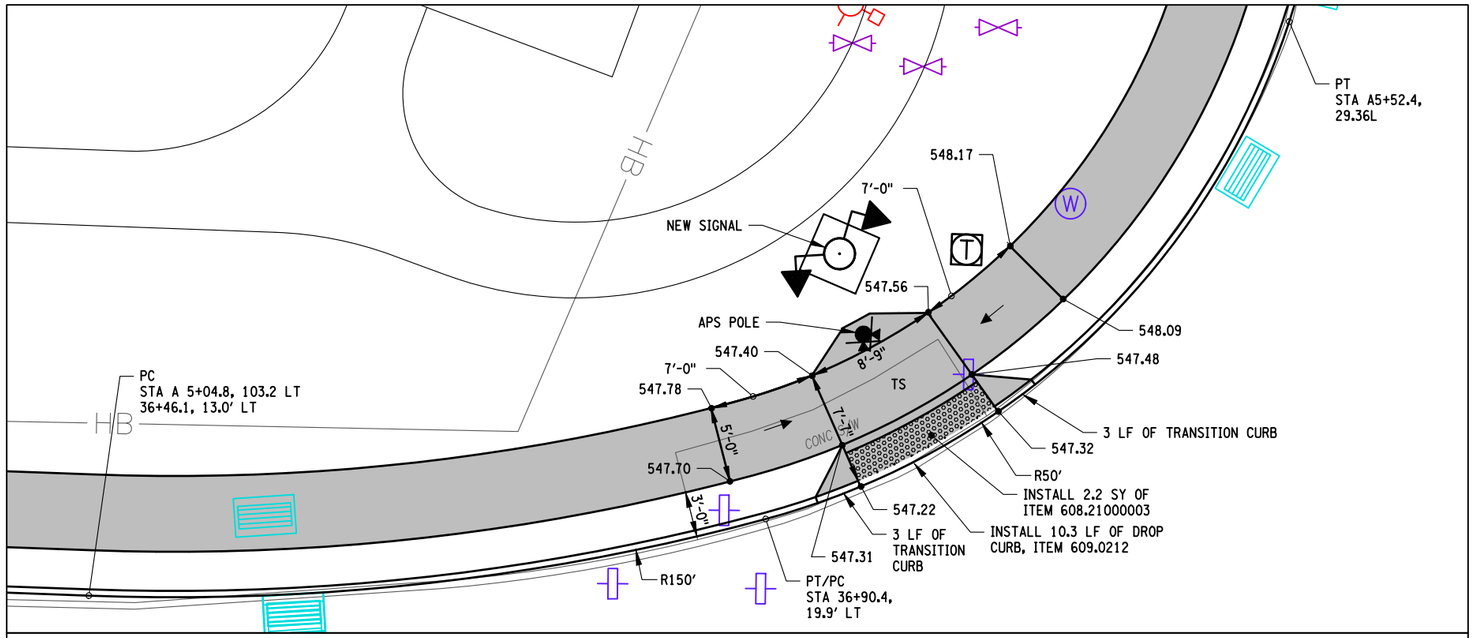
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CURB RAMP DETAILS

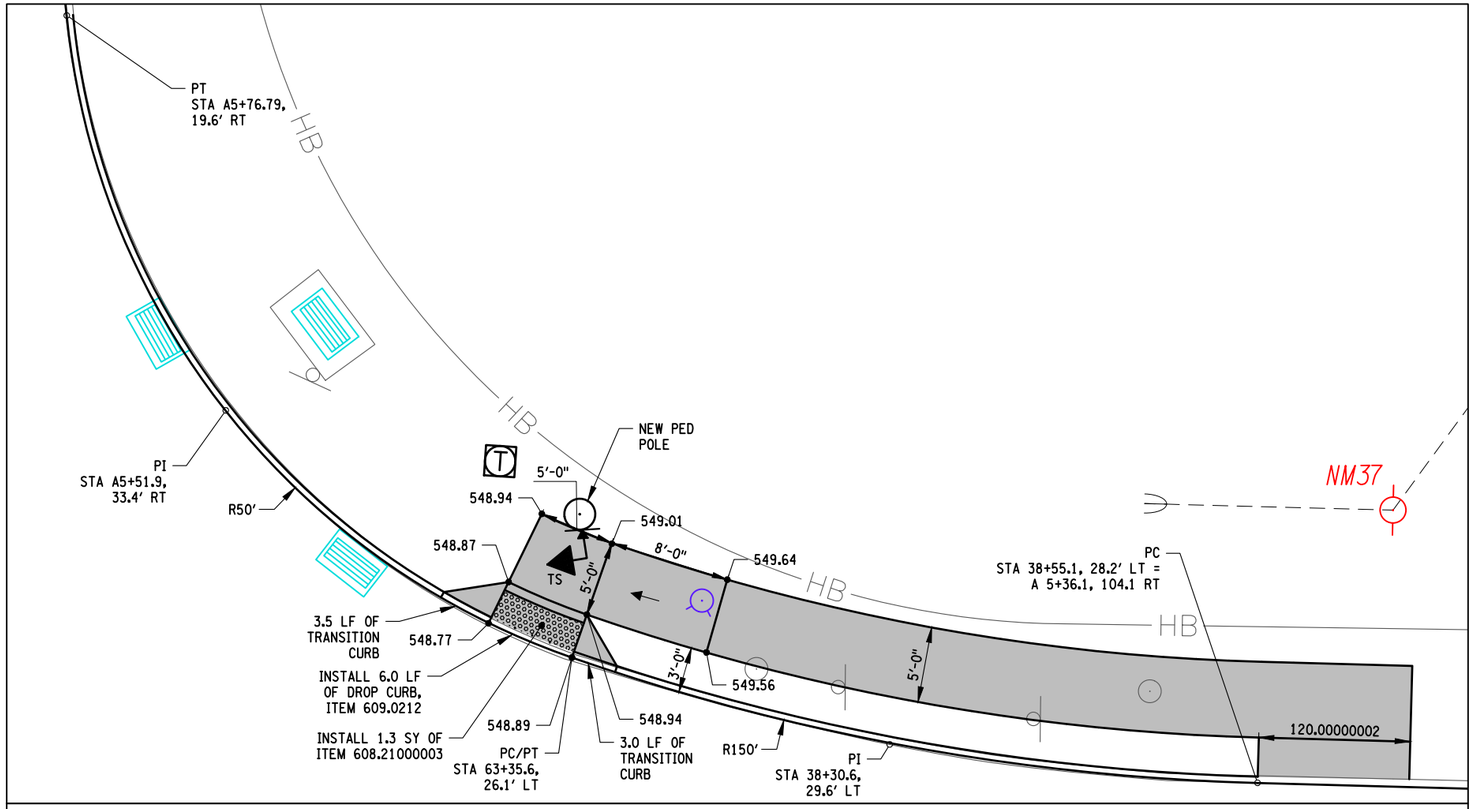
CRD-03

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CURB RAMP 15 - E BRIGHTON AVE / AINSLEY DR (SEE PLN-13)



CURB RAMP 16 - E BRIGHTON AVE / AINSLEY DR (SEE PLN-13)



TYPICAL OF ALL
QUADRANTS

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 47

CHANGES INCLUDE:

1. RELOCATED TRAFFIC SIGNAL POLE AND CHANGED PEDESTRIAN POLE TO APS.
2. ADDED ACCESSIBILITY PAD AT CURB RAMP 15.
3. ADDED PUSH BUTTON LOCATIONS.

LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TS TURNING SPACE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

5 0 5 10

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2/11/2026

STATE OF NEW YORK · DOUGLAS OWEN STANLEY · LICENSED PROFESSIONAL ENGINEER · NO. 073781

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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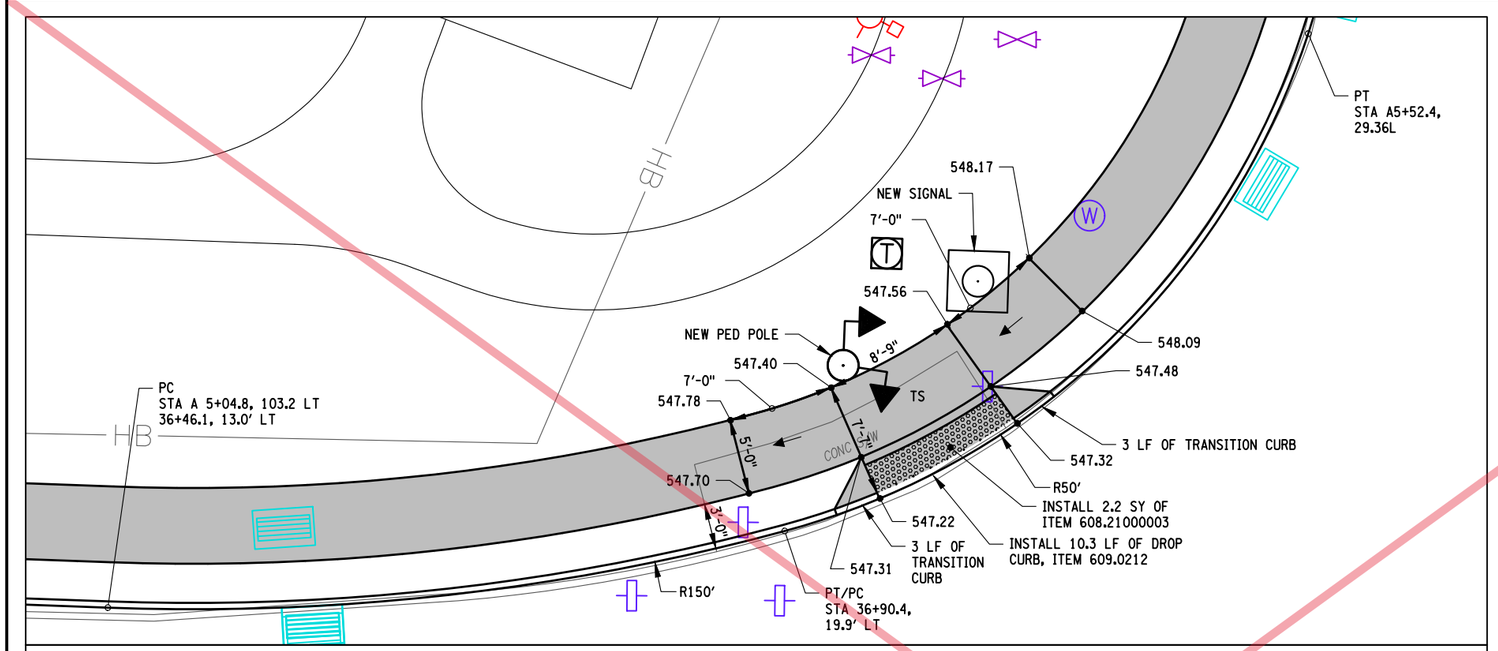
CURB RAMP DETAILS

CRD-04

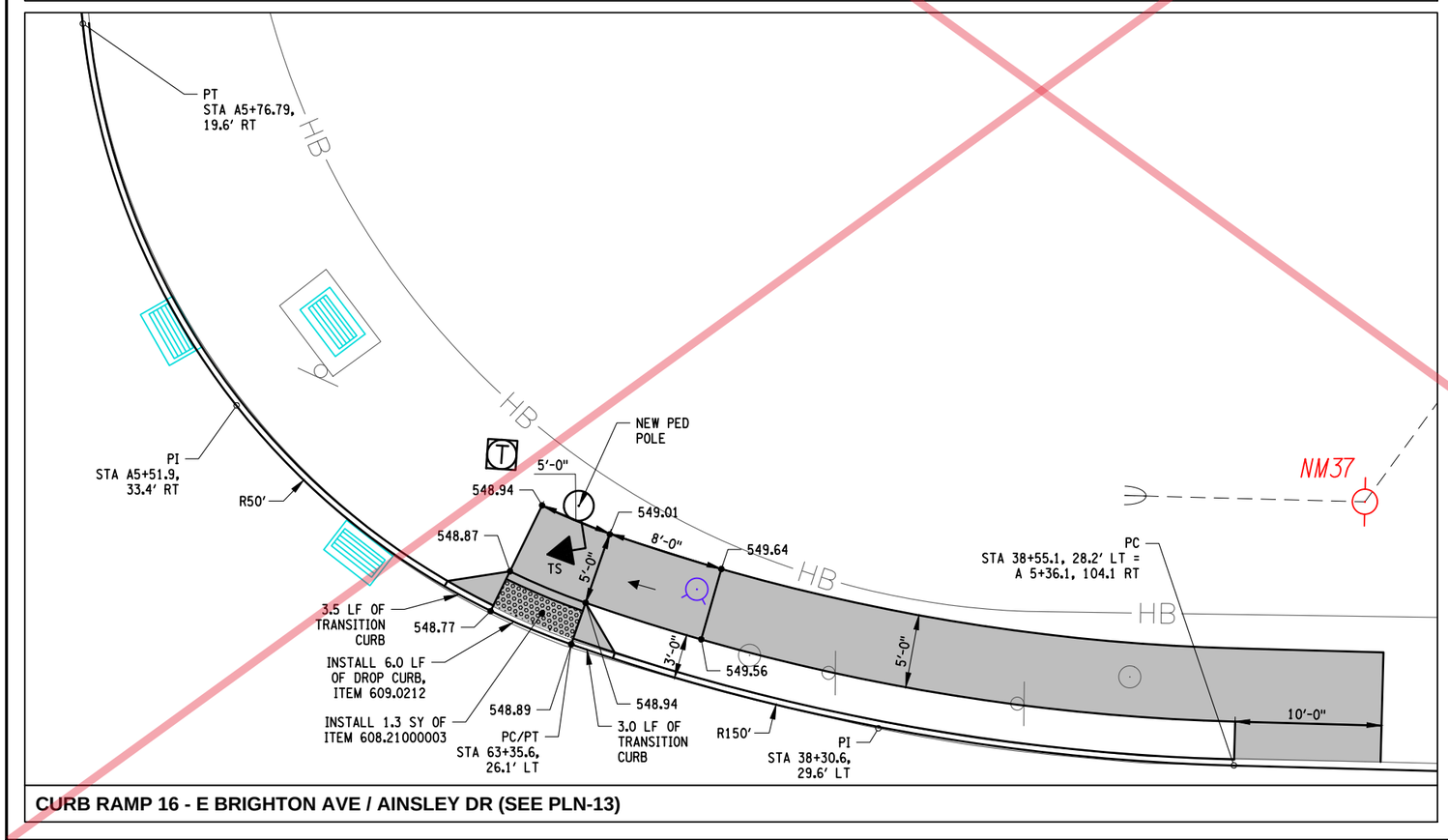
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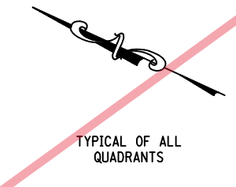
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CURB RAMP 15 - E BRIGHTON AVE / AINSLEY DR (SEE PLN-13)



CURB RAMP 16 - E BRIGHTON AVE / AINSLEY DR (SEE PLN-13)



LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TS TURNING SPACE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

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D040386

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THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

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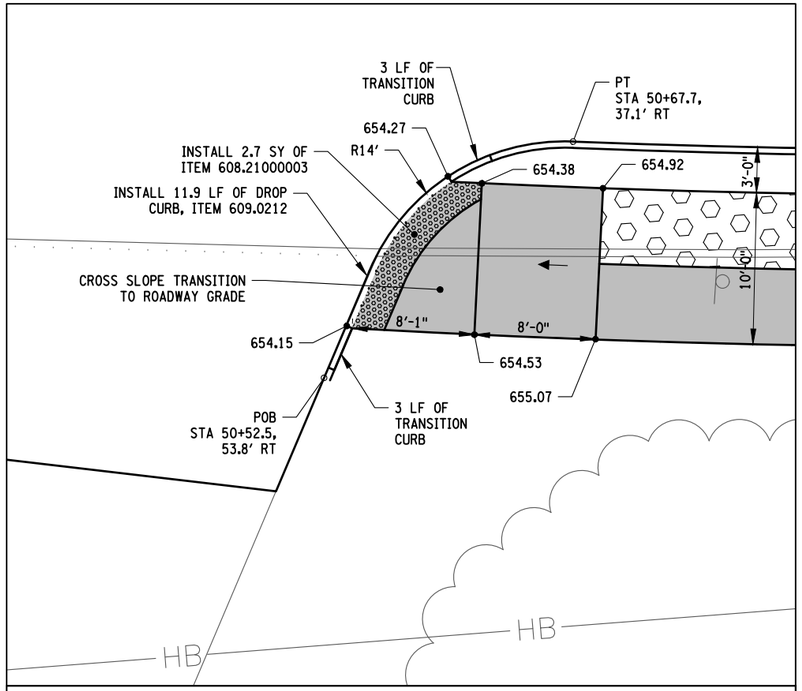
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CURB RAMP DETAILS

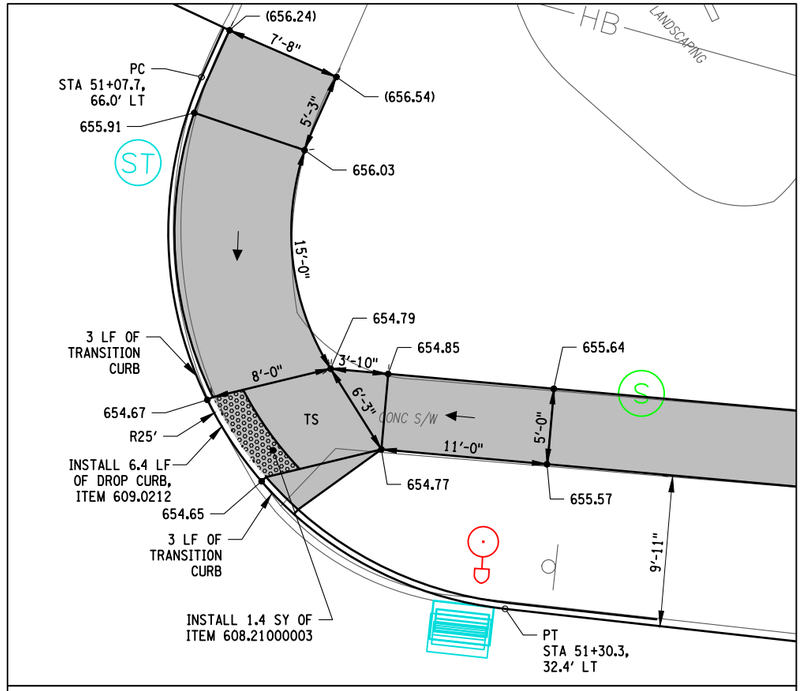
CRD-04

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CURB RAMP 17 - E BRIGHTON AVE / BRIGHTON HILL OFF. PARK (SEE PLN-16)

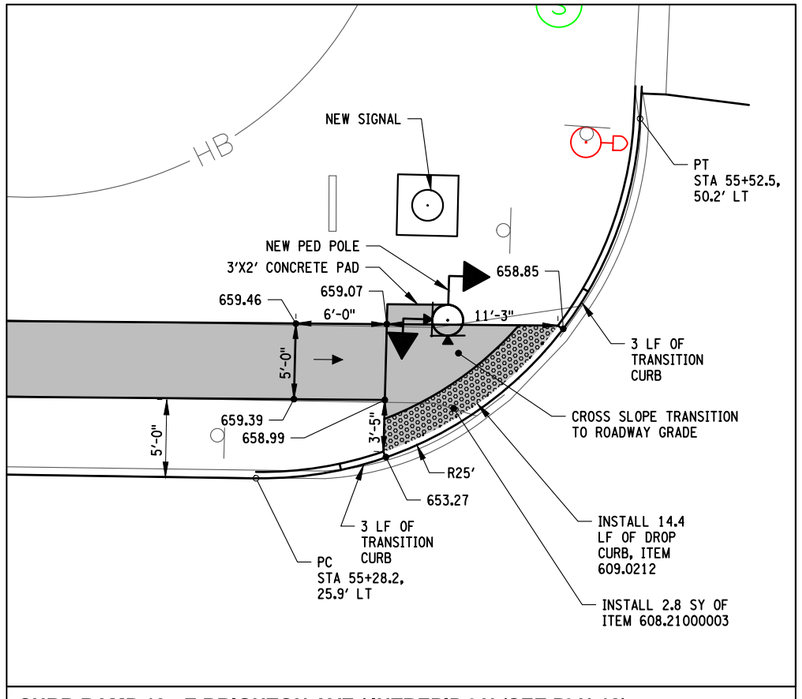


CURB RAMP 18 - E BRIGHTON AVE / BRIGHTON TOWERS (SEE PLN-16)

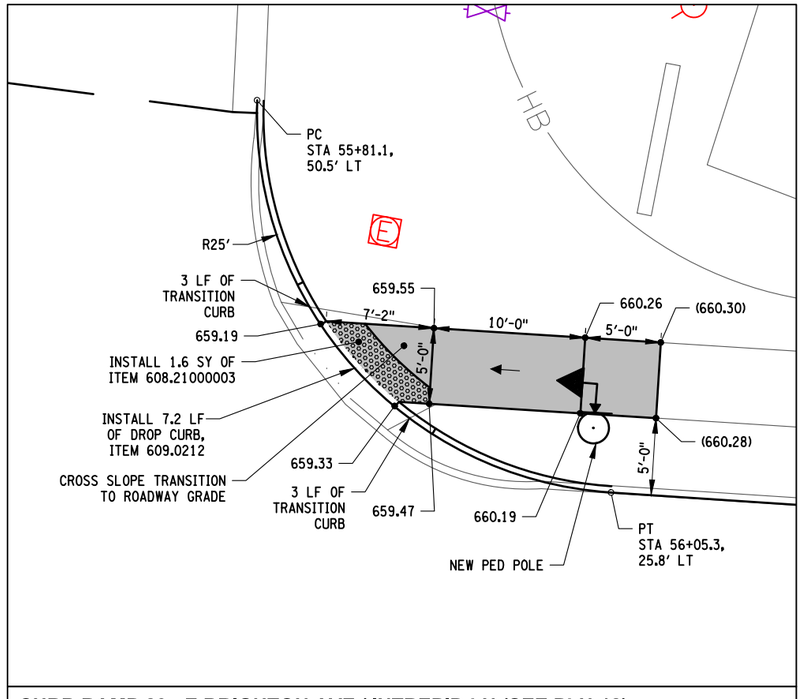
TYPICAL OF ALL QUADRANTS

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 48

CHANGES INCLUDE:
1. ADDED ACCESSIBILITY PADS AT CURB RAMP 19 AND RELOCATED PED POLE.
2. ADDED PUSH BUTTON LOCATIONS.



CURB RAMP 19 - E BRIGHTON AVE / INTREPID LN (SEE PLN-18)



CURB RAMP 20 - E BRIGHTON AVE / INTREPID LN (SEE PLN-18)

LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TS TURNING SPACE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

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Syracuse NEW YORK

D040386

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CITY OF SYRACUSE
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PIN 3756.80

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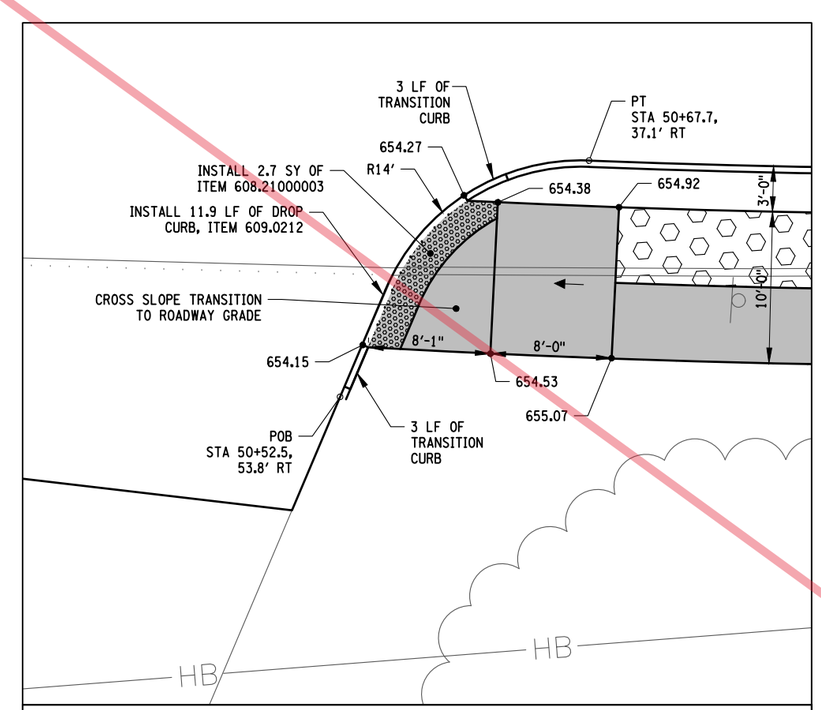
CURB RAMP DETAILS

CRD-05

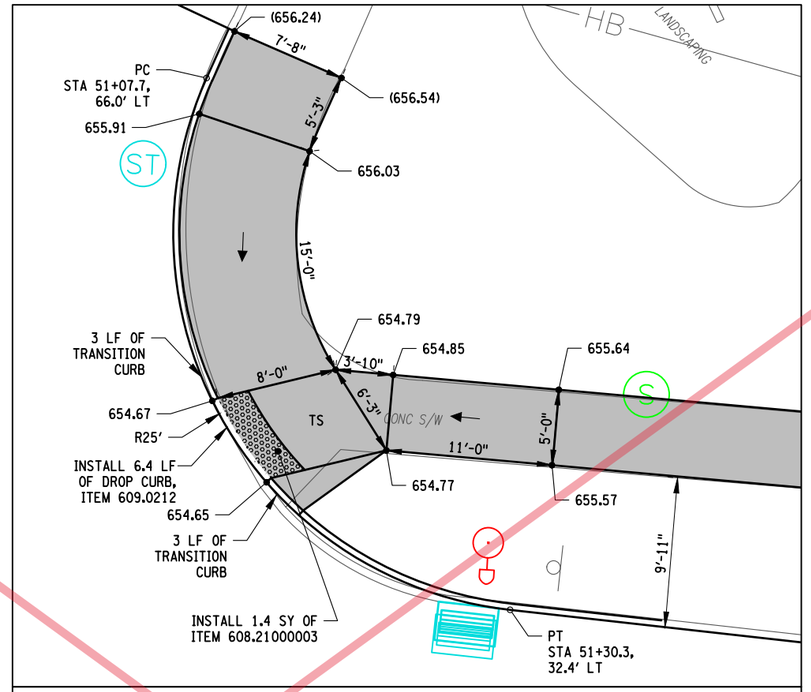
SHEET 48R1 OF 241

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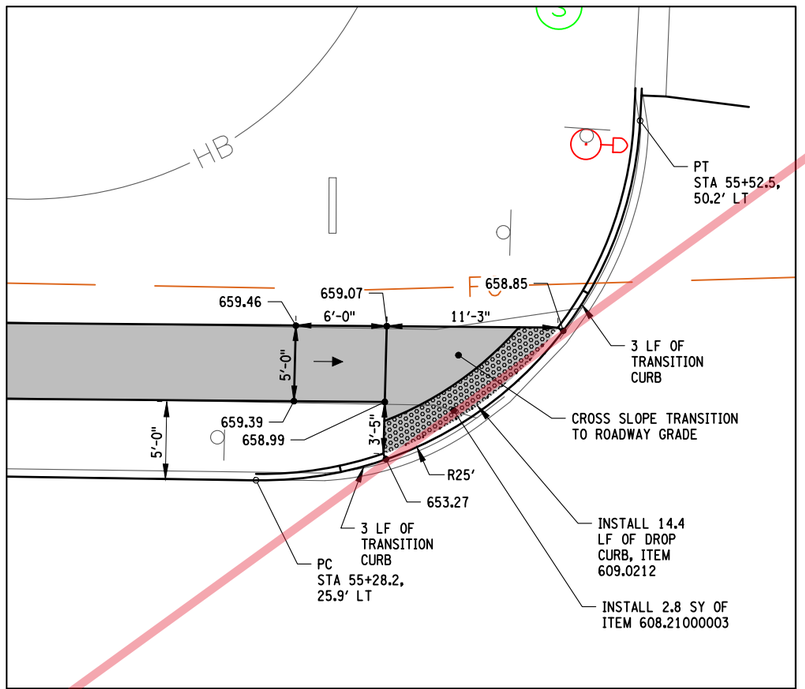
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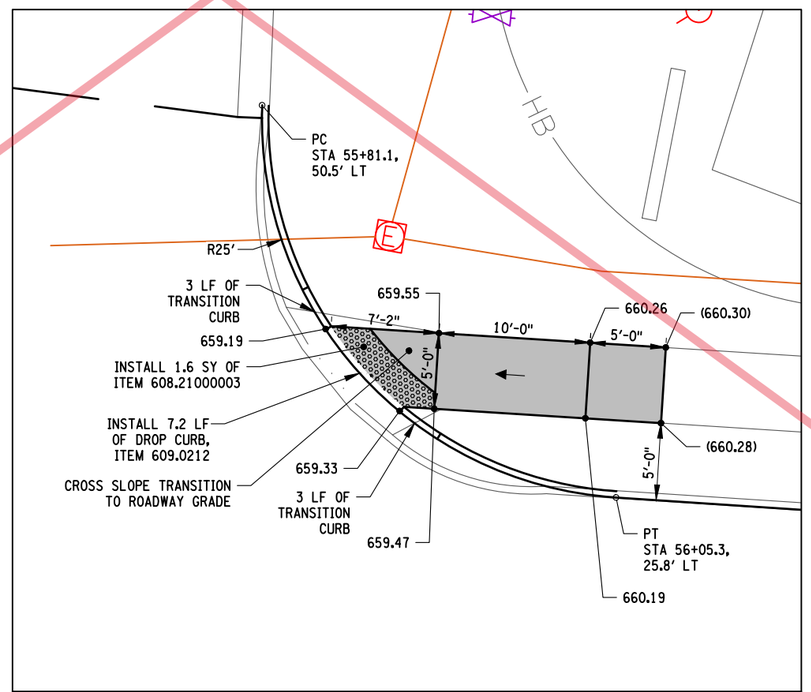
CURB RAMP 17 - E BRIGHTON AVE / BRIGHTON HILL OFF. PARK (SEE PLN-16)



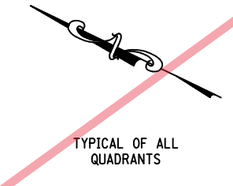
CURB RAMP 18 - E BRIGHTON AVE / BRIGHTON TOWERS (SEE PLN-16)



CURB RAMP 19 - E BRIGHTON AVE / INTREPID LN (SEE PLN-18)



CURB RAMP 20 - E BRIGHTON AVE / INTREPID LN (SEE PLN-18)



LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TS TURNING SPACE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY



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EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

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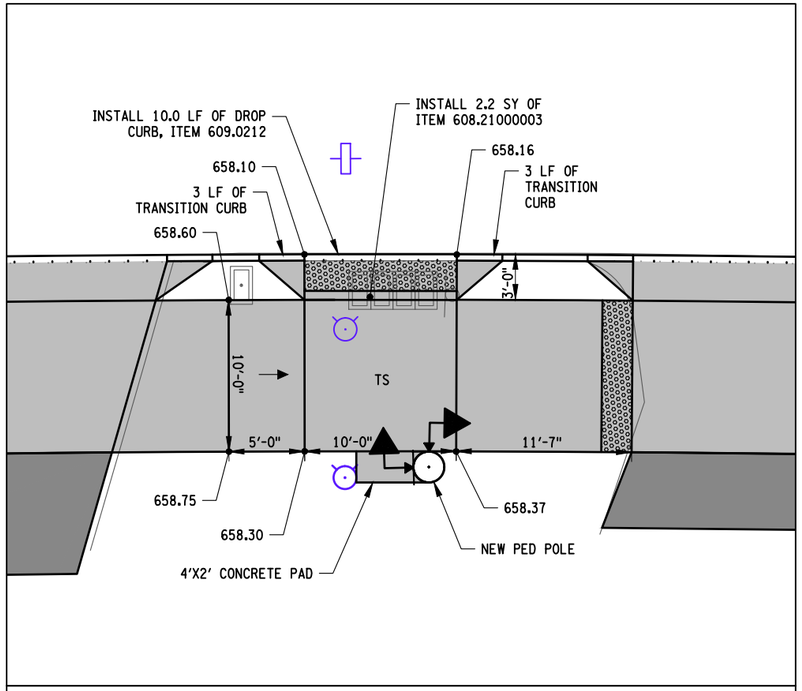
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CURB RAMP DETAILS

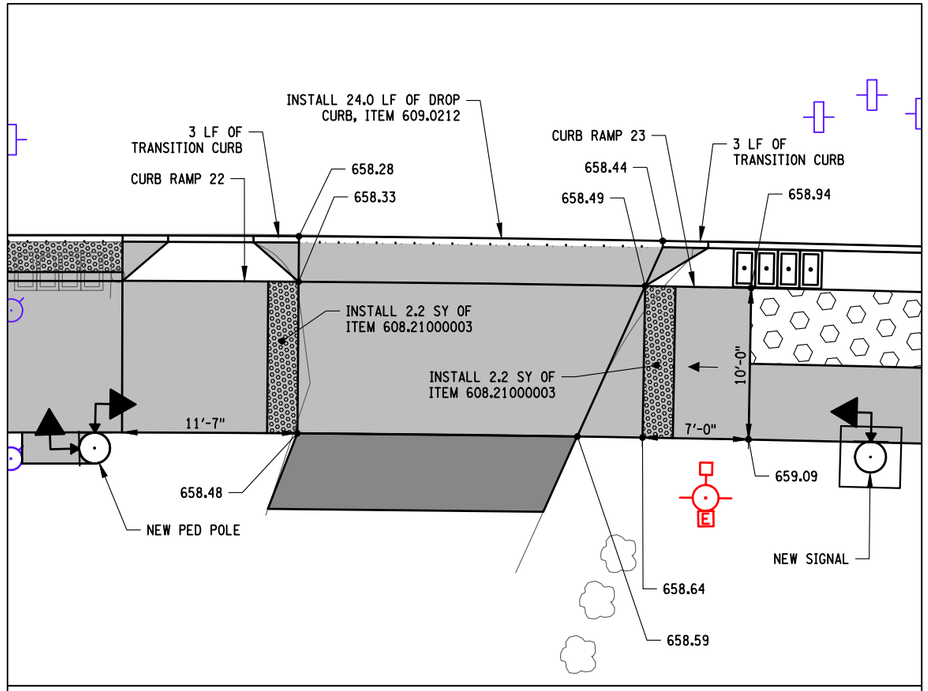
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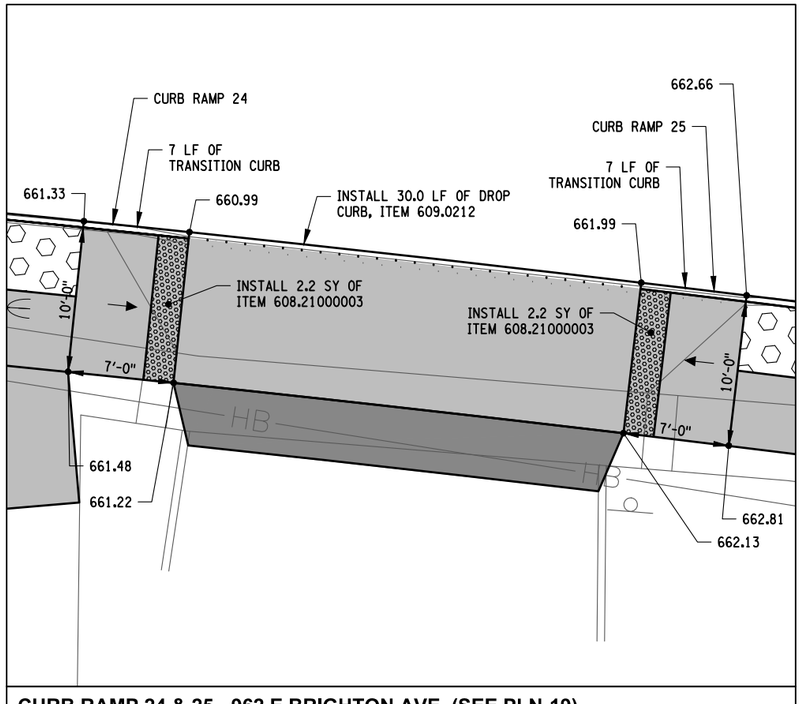
CURB RAMP 21 - E BRIGHTON AVE / INTREPID LN (SEE PLN-18)



CURB RAMP 22 & 23 - 952 E BRIGHTON AVE (SEE PLN-18)



TYPICAL OF ALL QUADRANTS



CURB RAMP 24 & 25 - 962 E BRIGHTON AVE (SEE PLN-19)

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 49

CHANGES INCLUDE:

1. ADDED ACCESSIBILITY PAD AT CURB RAMP 21.
2. REVISED RAMP BETWEEN CURB RAMP 21 & 22.
3. REMOVED SEPARATE PEDESTRIAN POLES AT 952 E BRIGHTON.
4. PEDESTRIAN EQUIPMENT AT 952 E BRIGHTON COMBINED WITH CURB RAMP 21 PEDESTRIAN POLE AND TO THE TRAFFIC SIGNAL POLE.
5. ADDED PUSH BUTTON LOCATIONS.

LEGEND

←	CURB RAMP SLOPE
	NEW CURB (ITEM 609.0212)
	DETECTABLE WARNING UNIT (ITEM 608.21000003)
	PERMANENT CONCRETE REMOVAL (ITEM 203.02)
	CONCRETE SIDEWALK (ITEM 608.0101)
	ASPHALT DRIVEWAY (ITEM 608.020102)
TC	TOP OF CURB
BC	BOTTOM OF CURB
TS	TURNING SPACE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
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610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

5 0 5 10

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Syracuse NEW YORK

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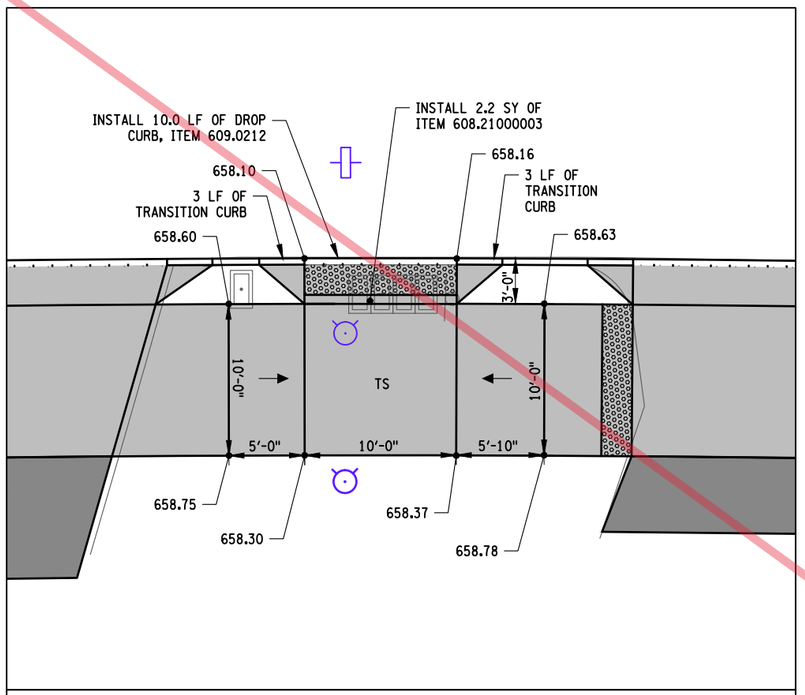
CURB RAMP DETAILS

CRD-06

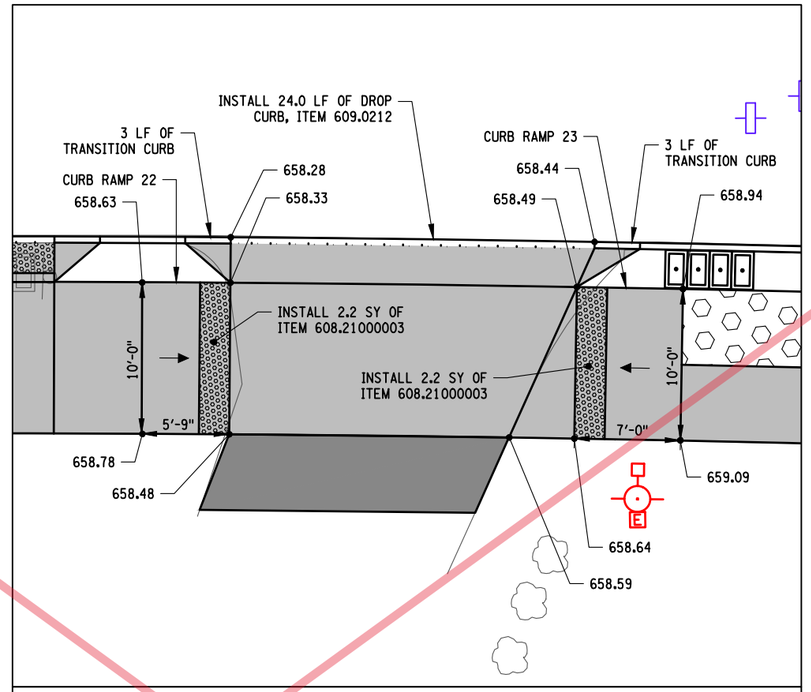
SHEET 49R1 OF 241

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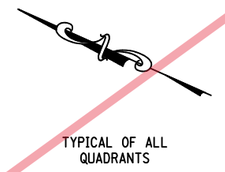
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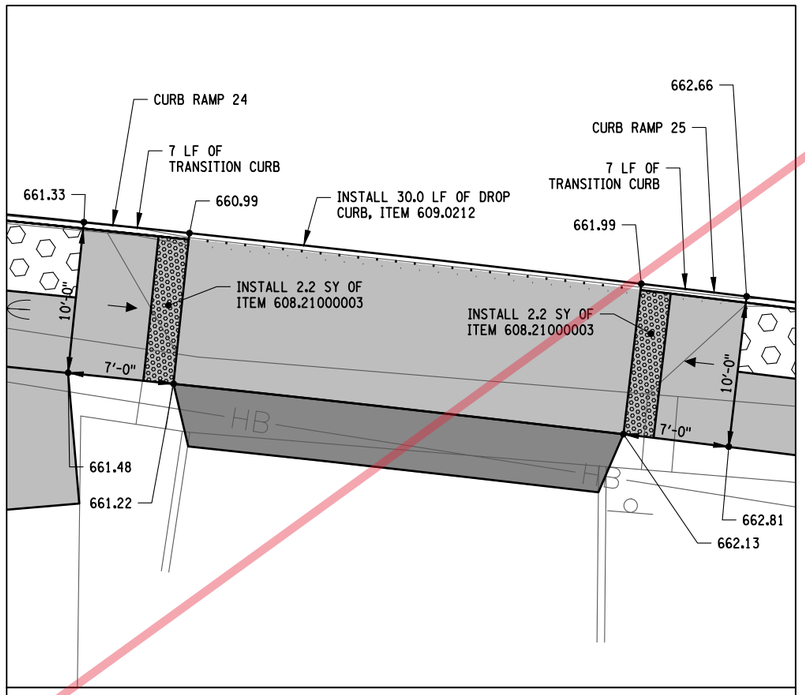


CURB RAMP 21 - E BRIGHTON AVE / INTREPID LN (SEE PLN-18)



CURB RAMP 22 & 23 - 952 E BRIGHTON AVE (SEE PLN-18)





CURB RAMP 24 & 25 - 962 E BRIGHTON AVE (SEE PLN-19)

LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)

TC	TOP OF CURB
BC	BOTTOM OF CURB
TS	TURNING SPACE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
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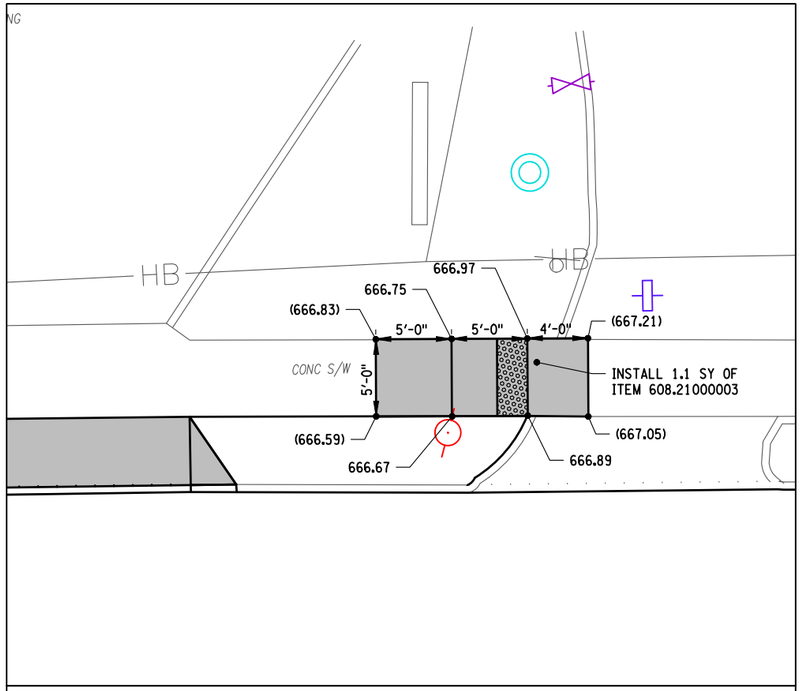
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CURB RAMP DETAILS

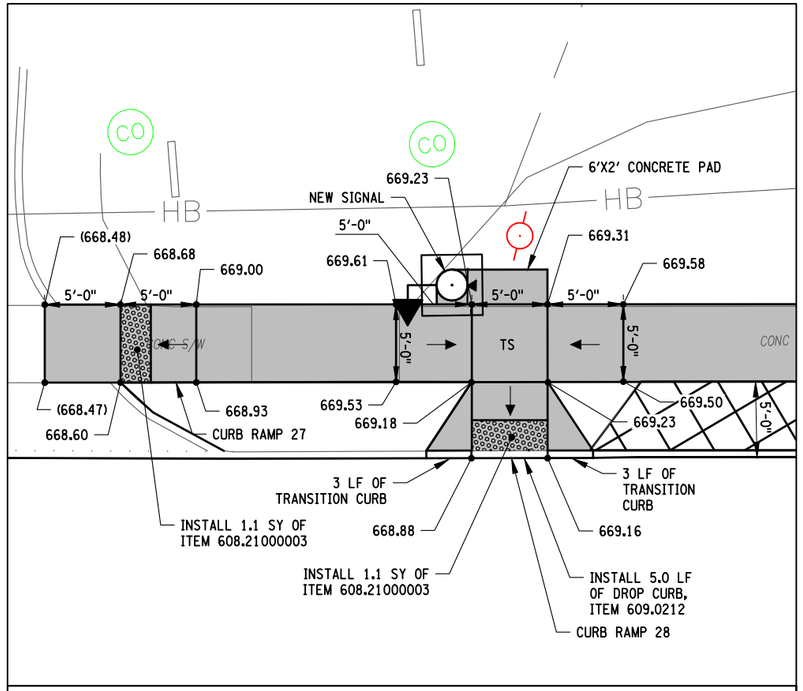
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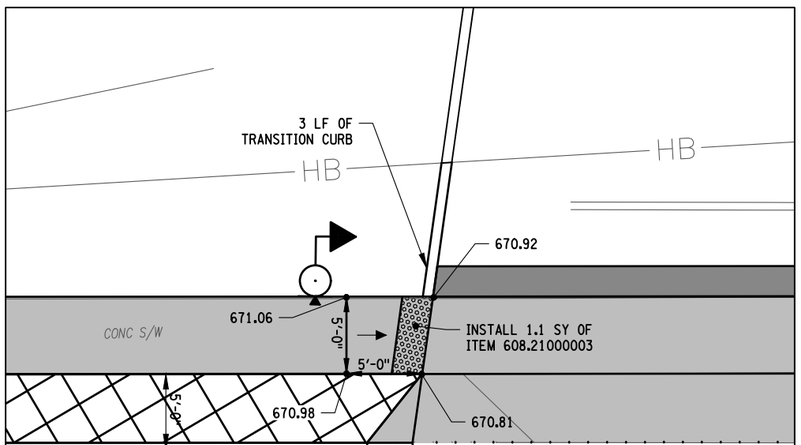
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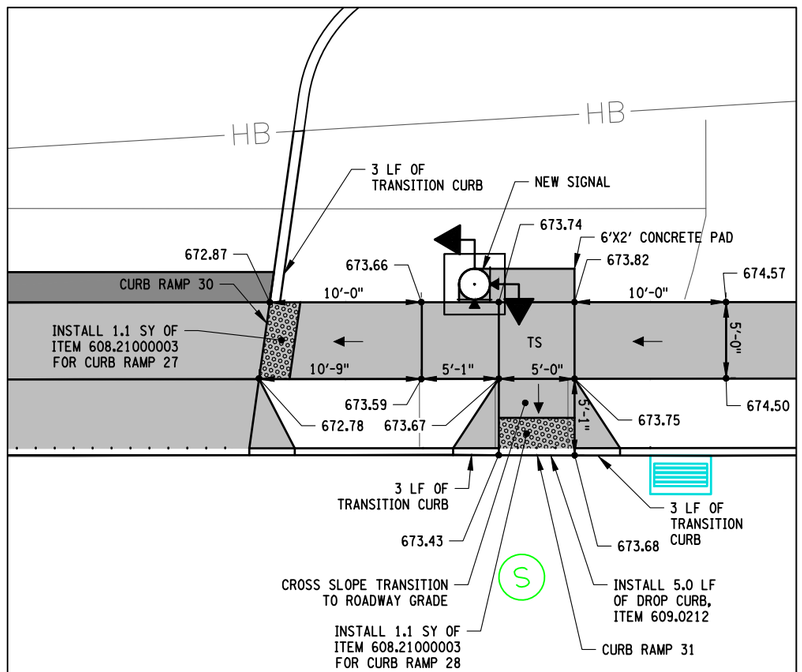
CURB RAMP 26 - 977 E BRIGHTON AVE (SEE PLN-19)



CURB RAMP 27 & 28 - E BRIGHTON AVE / E SENECA TPK (SEE PLN-20)



CURB RAMP 29 - E BRIGHTON AVE / E SENECA TPK (SEE PLN-20)



CURB RAMP 30 & 31 - E BRIGHTON AVE / E SENECA TPK (SEE PLN-20)

TYPICAL OF ALL
QUADRANTS

FIELD REVISION SHEET
THIS SHEET SUPERSEDES
SHEET NO. 50

CHANGES INCLUDE:

1. REVISED CURB RAMP 31 ELEVATIONS.
2. ADDED ACCESSIBILITY PADS AT CURB RAMPS 28 & 31.
3. ADDED PUSH BUTTON LOCATIONS.

LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TS TURNING SPACE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
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610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

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CHECKED BY:	DOS

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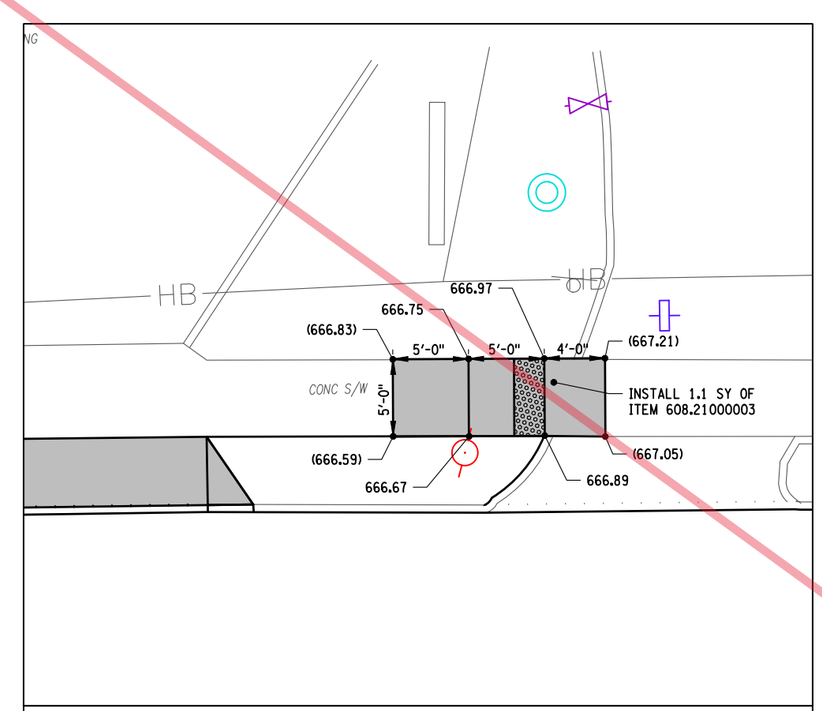
CURB RAMP DETAILS

CRD-07

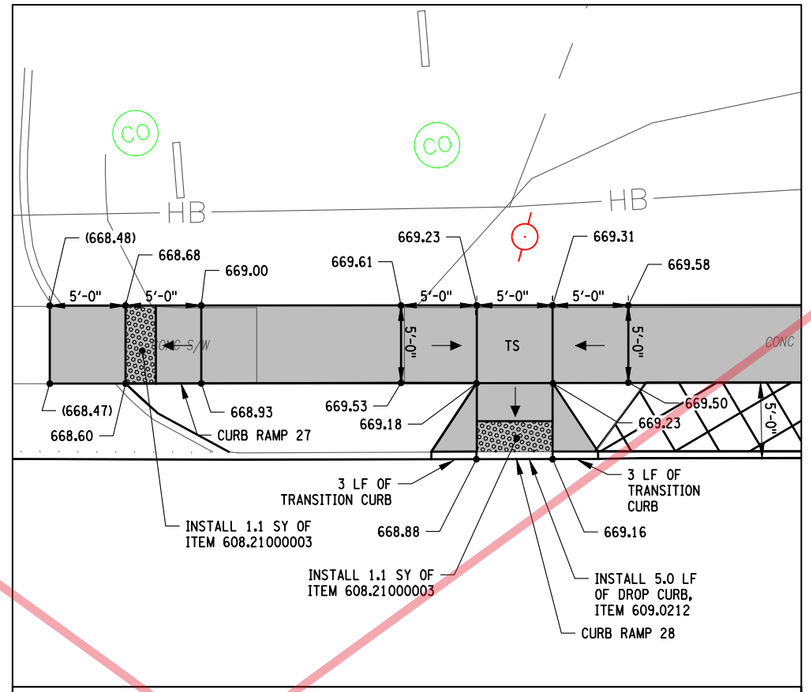
SHEET 50R1 OF 241

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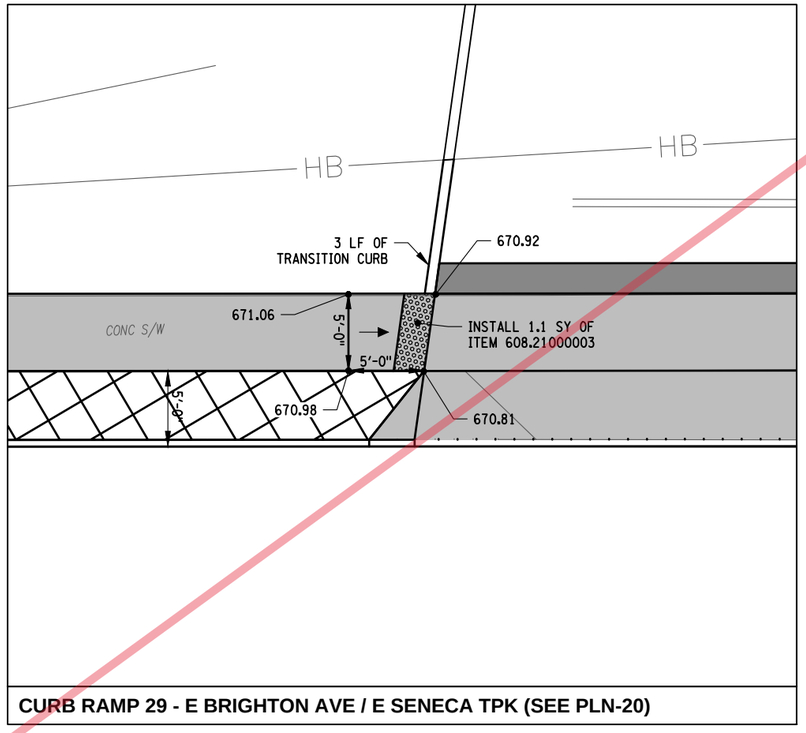


CURB RAMP 26 - 977 E BRIGHTON AVE (SEE PLN-19)

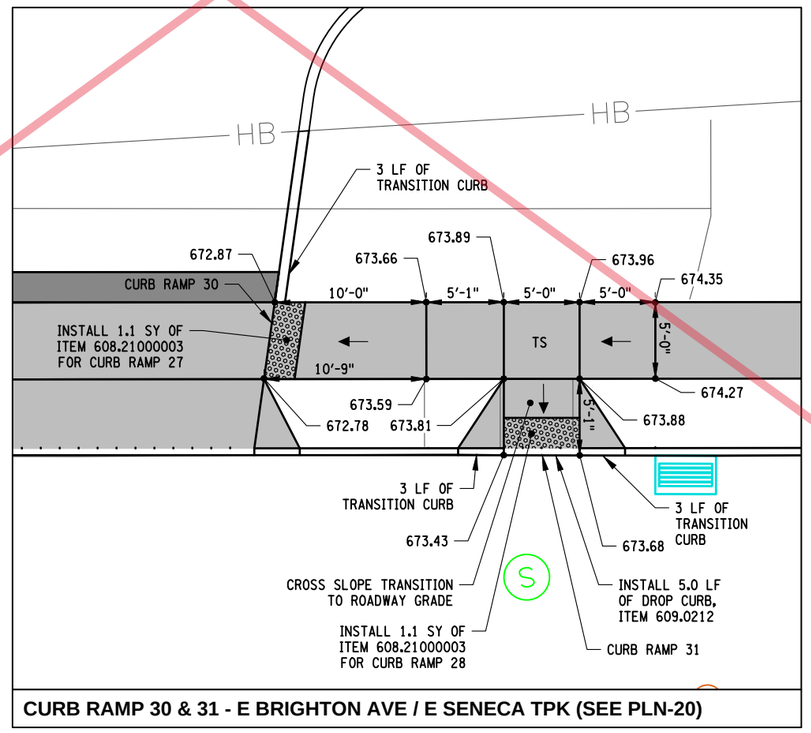


CURB RAMP 27 & 28 - E BRIGHTON AVE / E SENECA TPK (SEE PLN-20)

TYPICAL OF ALL
QUADRANTS



CURB RAMP 29 - E BRIGHTON AVE / E SENECA TPK (SEE PLN-20)



CURB RAMP 30 & 31 - E BRIGHTON AVE / E SENECA TPK (SEE PLN-20)

LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TS TURNING SPACE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

5 0 5 10

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Phone: 315-455-2000
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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRASSER
LICENSED PROFESSIONAL ENGINEER
NO. 073707

Syracuse
New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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CURB RAMP DETAILS

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LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)
- TC — TOP OF CURB
- BC — BOTTOM OF CURB
- TS — TURNING SPACE

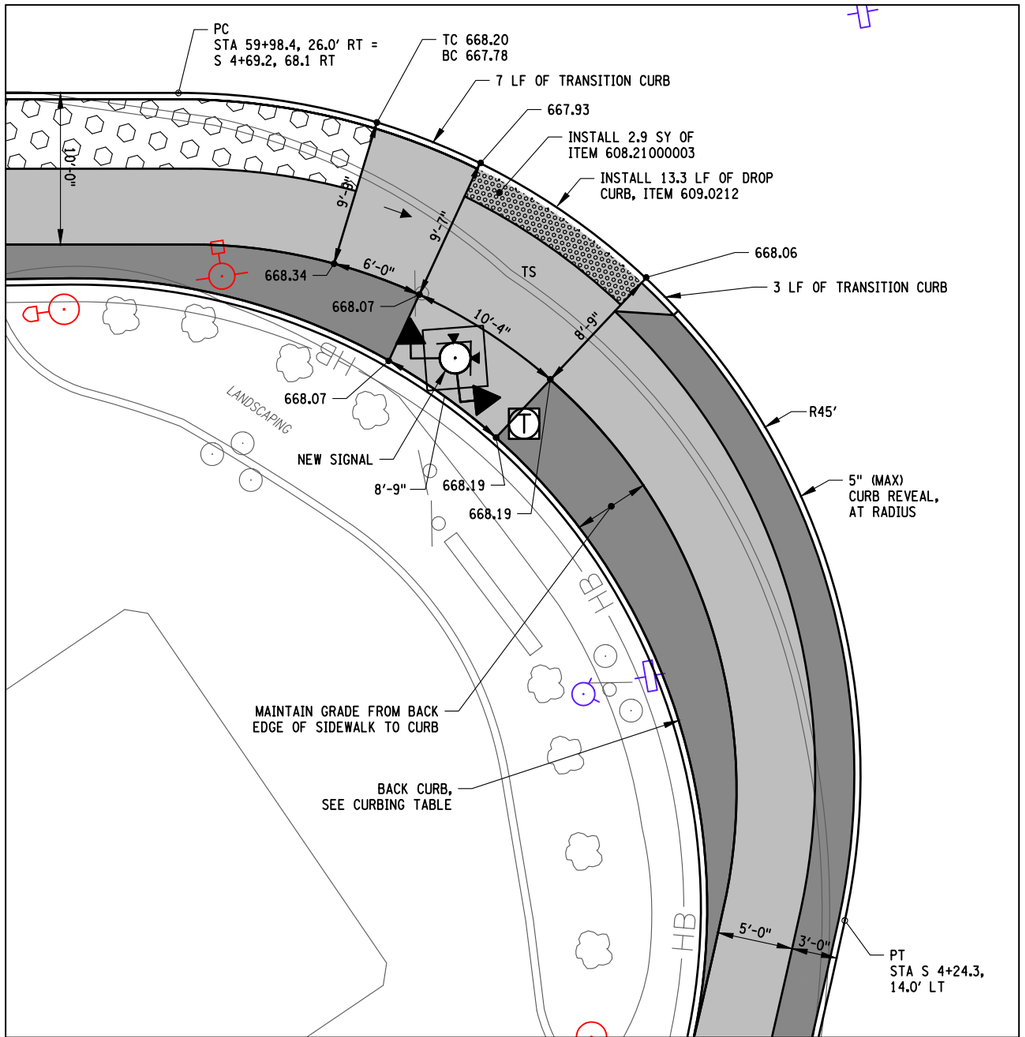
ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

5 0 5 10

FIELD REVISION SHEET
THIS SHEET SUPERSEDES
SHEET NO. 51

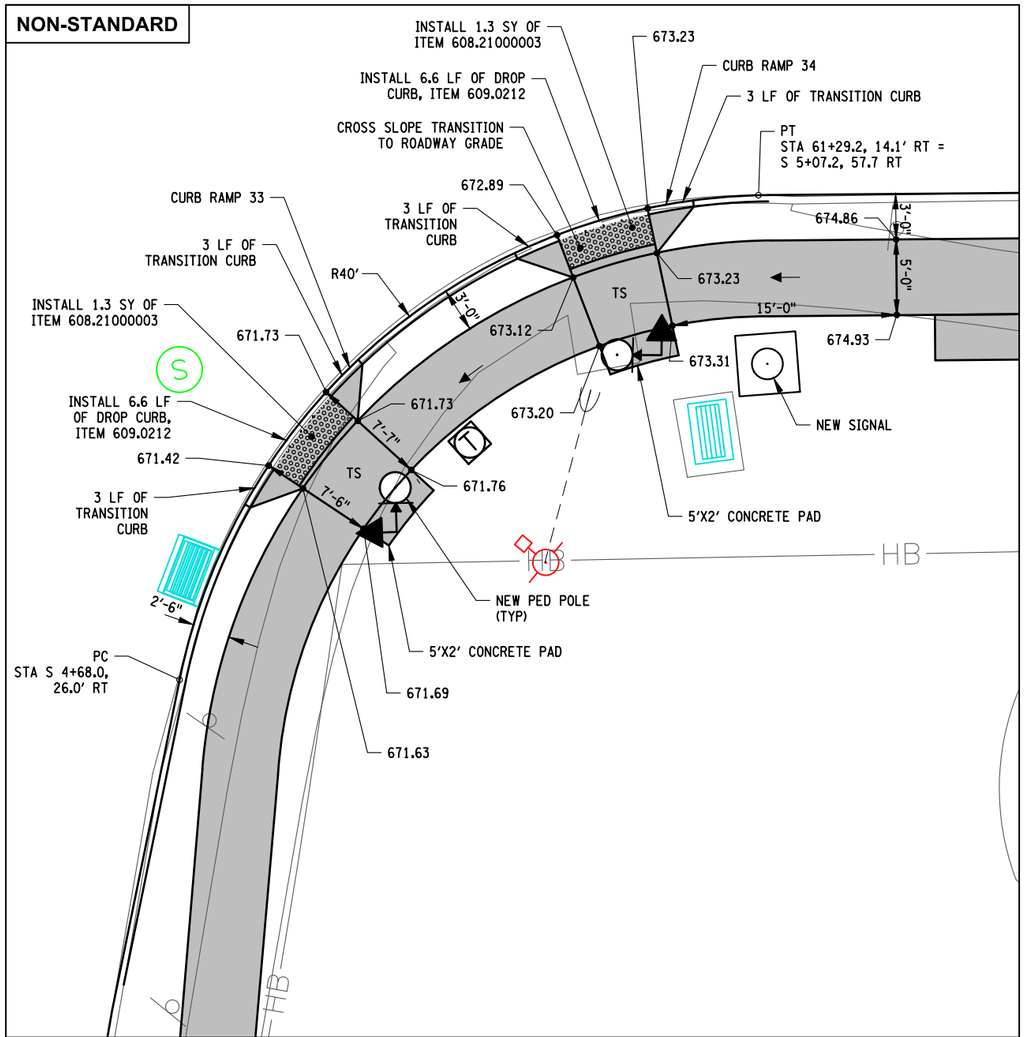
CHANGES INCLUDE:
1. ADDED ACCESSIBILITY PADS AT CURB RAMPS 33 & 34.
2. MOVED BACK CURB BEHIND RAMP 32 TO HIGHWAY BOUNDARY FOR ADDITIONAL PED ACCESSIBILITY.
3. ADDED PUSH BUTTON LOCATIONS.

TYPICAL OF ALL QUADRANTS



CURB RAMP 32 - E BRIGHTON AVE / E SENECA TPK (SEE PLN-20)

NON-STANDARD



CURB RAMP 33 & 34 - E BRIGHTON AVE / E SENECA TPK (SEE PLN-20)

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Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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CURB RAMP DETAILS

CRD-08

SHEET 51R1 OF 241

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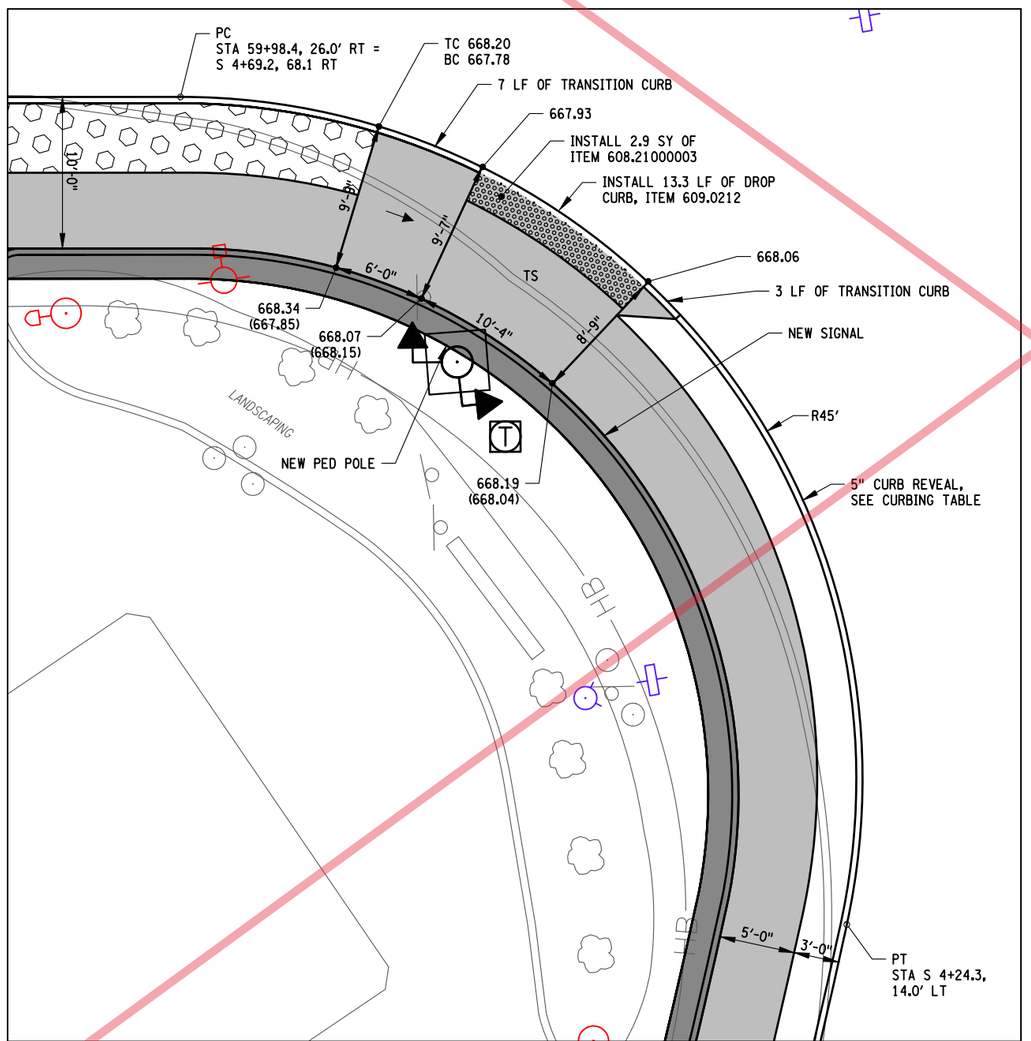
LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TS TURNING SPACE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

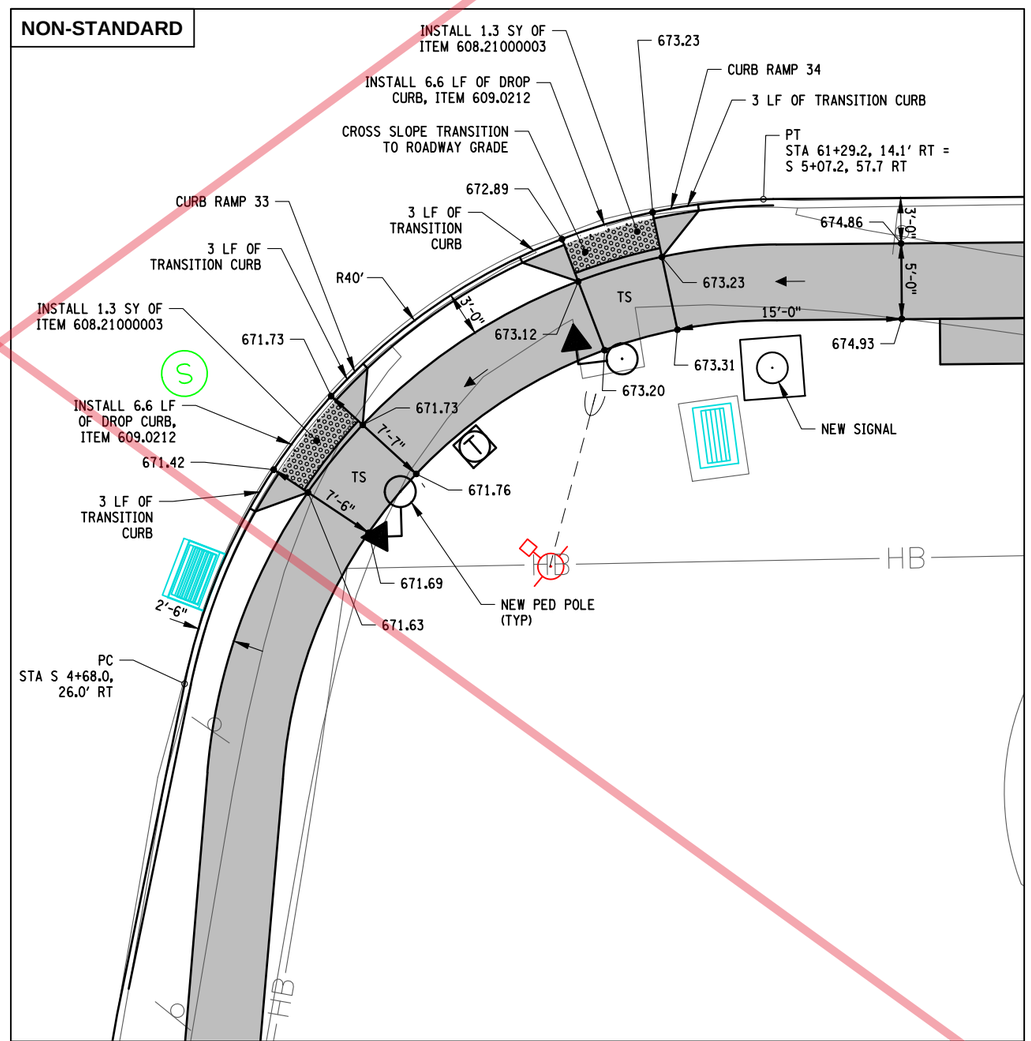
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TYPICAL OF ALL QUADRANTS



CURB RAMP 32 - E BRIGHTON AVE / E SENECA TPK (SEE PLN-20)

NON-STANDARD



CURB RAMP 33 & 34 - E BRIGHTON AVE / E SENECA TPK (SEE PLN-20)

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Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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CURB RAMP DETAILS

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LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TS TURNING SPACE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

5 0 5 10

NOTE:

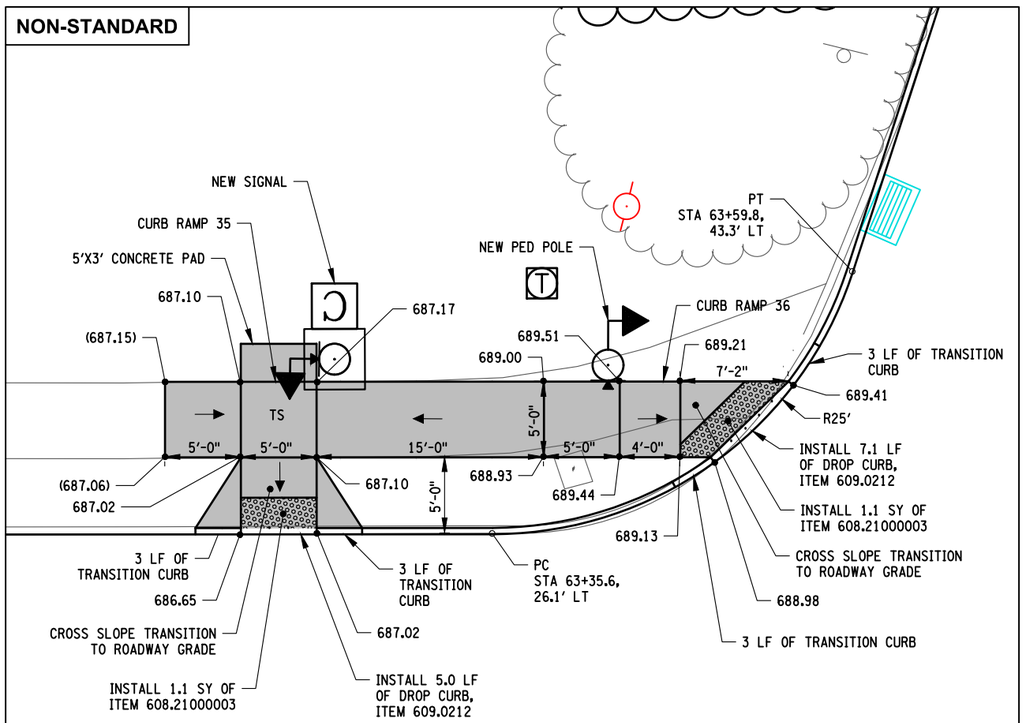
1. CROSS SLOPE TRANSITION TO ROADWAY GRADE SHALL NOT EXCEED 7.5% (MAX) AT STEEPEST PART OF RAMP.

TYPICAL OF ALL QUADRANTS

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 52

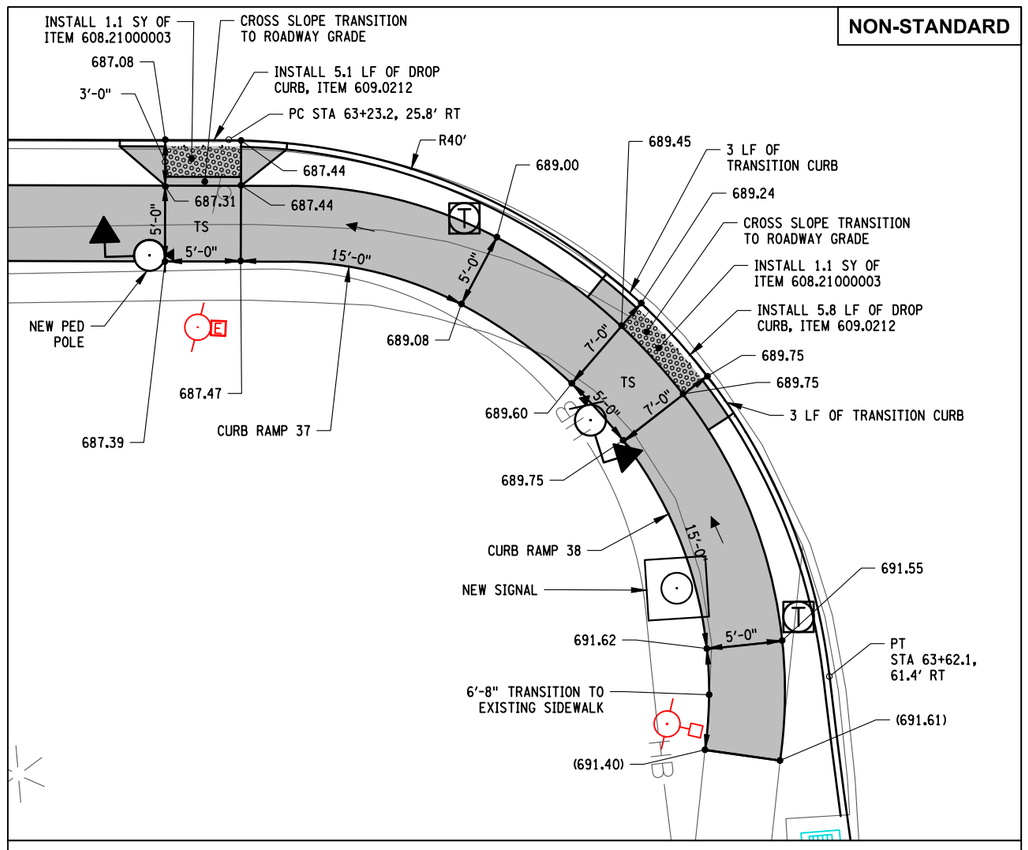
CHANGES INCLUDE:
1. ADDED ACCESSIBILITY PADS AT CURB RAMP 35.
2. MOVED PEDESTRIAN POLE AT CURB RAMP 37.
3. ADDED PUSH BUTTON LOCATIONS.

NON-STANDARD



CURB RAMP 35 & 36 - E SENECA TPK / LAFAYETTE RD (SEE PLN-22)

NON-STANDARD



CURB RAMP 37 & 38 - E SENECA TPK / LAFAYETTE RD (SEE PLN-22)

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Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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CURB RAMP DETAILS

CRD-09

SHEET 52R1 OF 241

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LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TS TURNING SPACE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

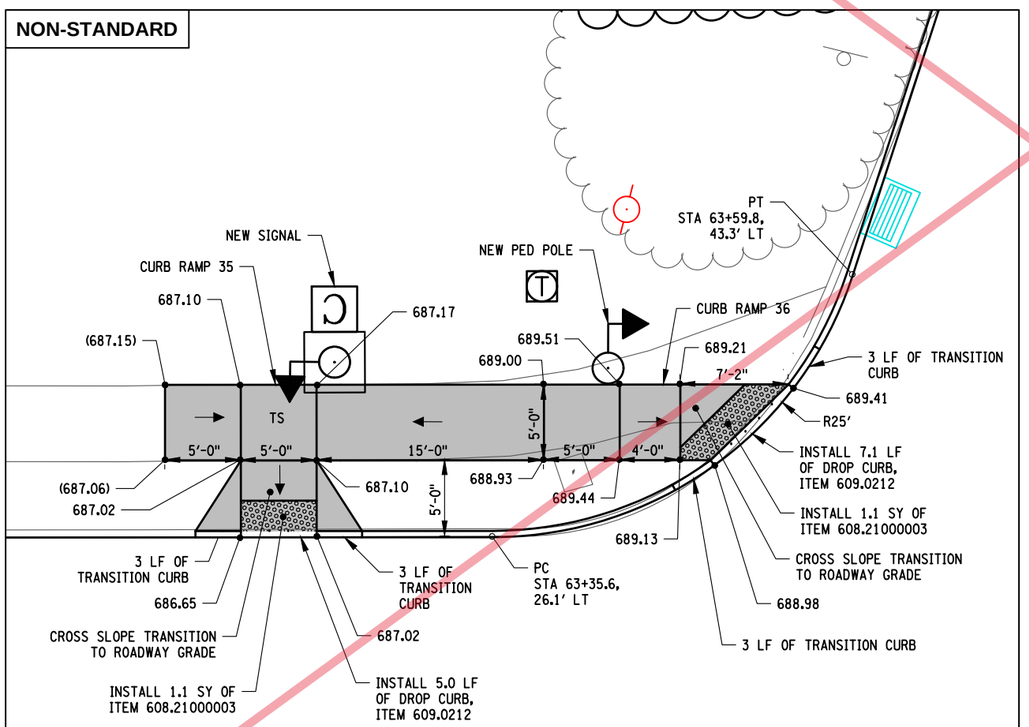
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NOTE:

1. CROSS SLOPE TRANSITION TO ROADWAY GRADE SHALL NOT EXCEED 7.5% (MAX) AT STEEPEST PART OF RAMP.

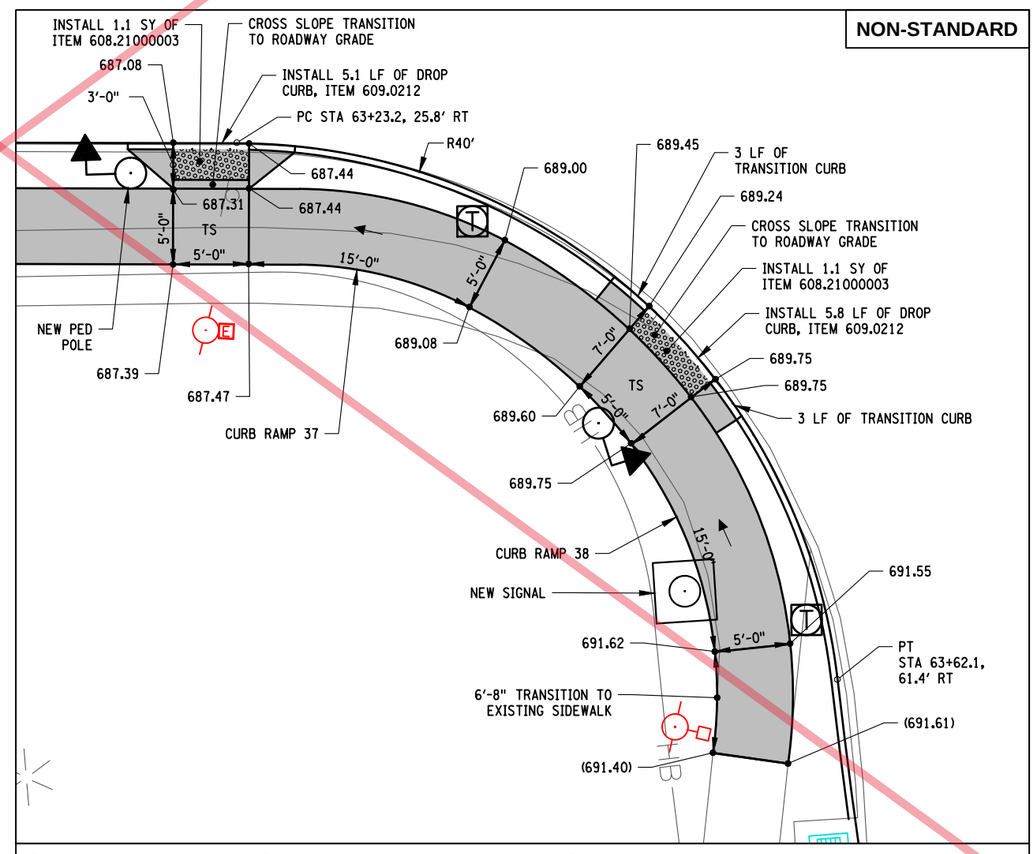
TYPICAL OF ALL QUADRANTS

NON-STANDARD



CURB RAMP 35 & 36 - E SENECA TPK / LAFAYETTE RD (SEE PLN-22)

NON-STANDARD



CURB RAMP 37 & 38 - E SENECA TPK / LAFAYETTE RD (SEE PLN-22)

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Syracuse New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
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CHECKED BY:	DOS

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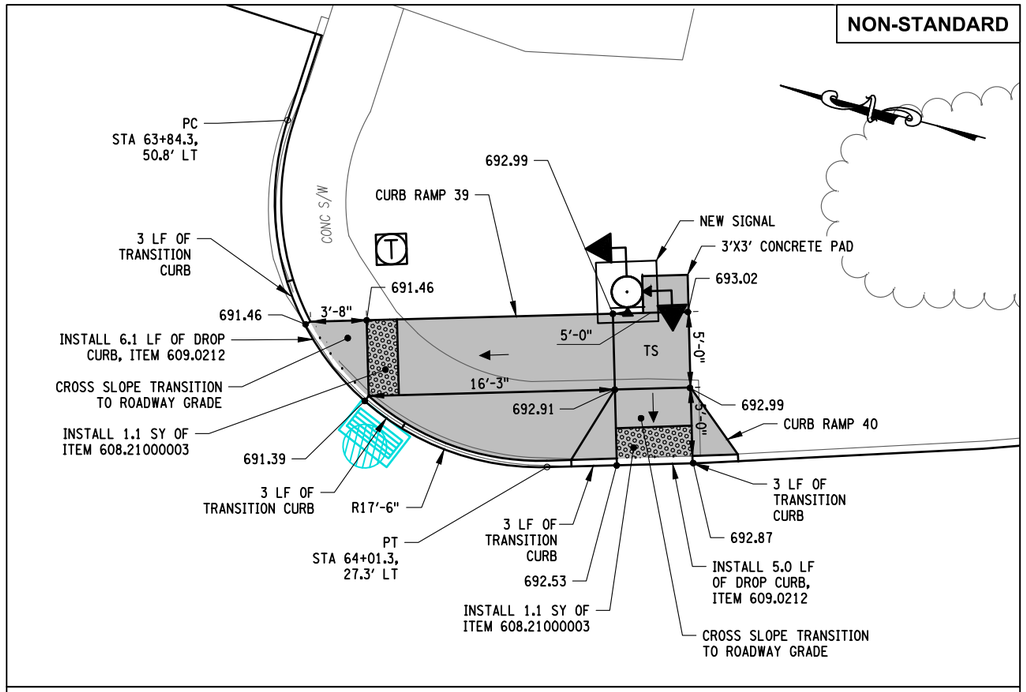
CURB RAMP DETAILS

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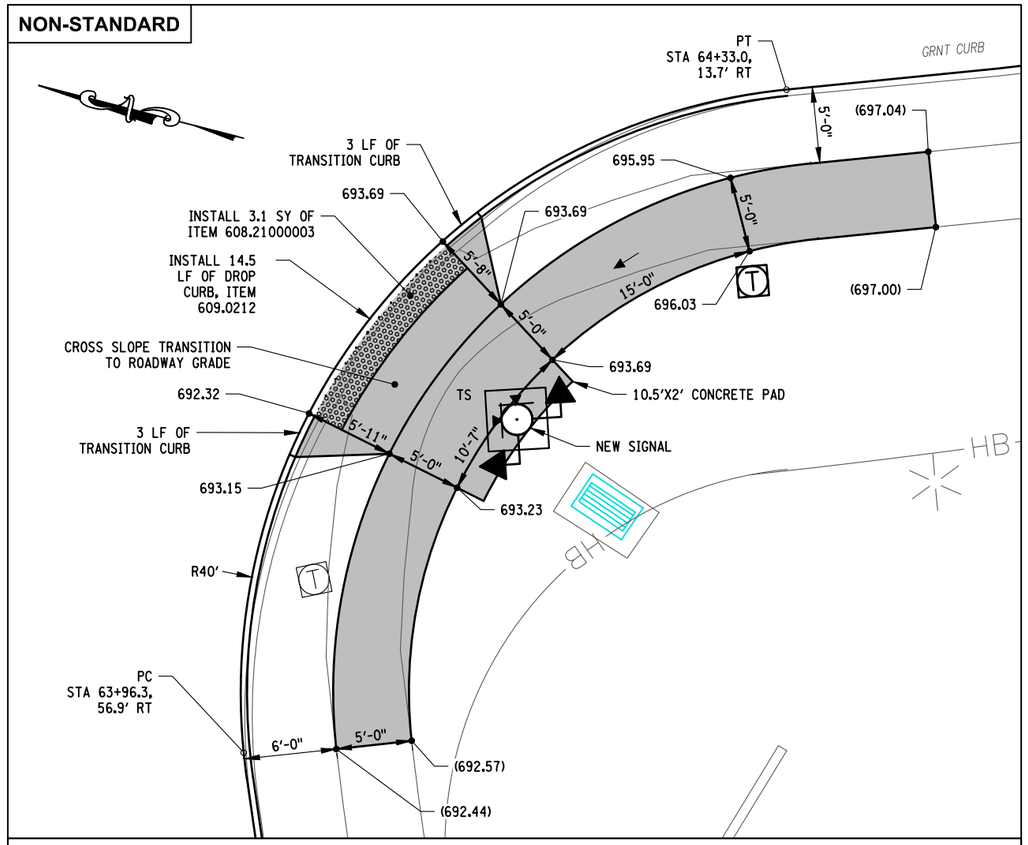
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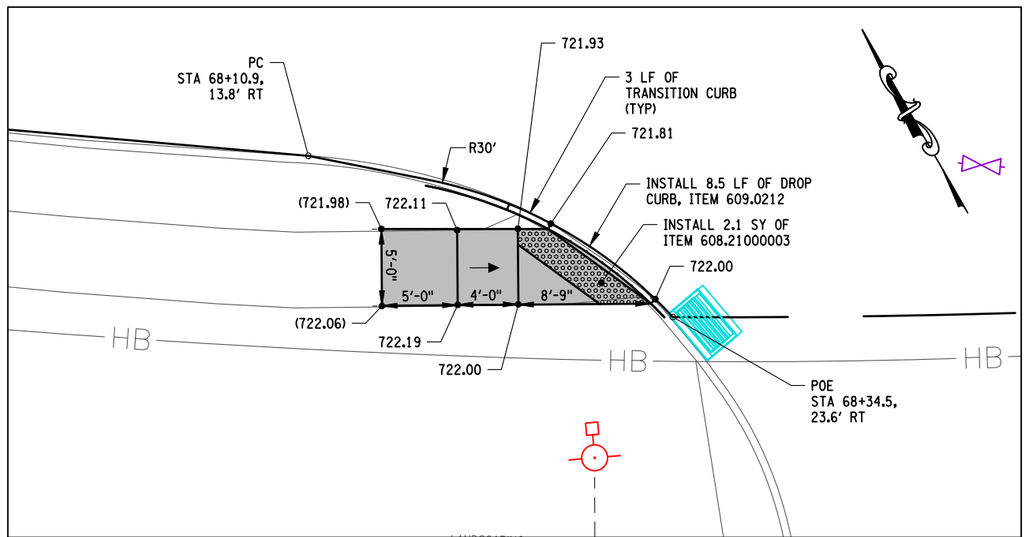


CURB RAMP 39 & 40 - E SENECA TPK / LAFAYETTE RD (SEE PLN-22)

NON-STANDARD



CURB RAMP 41 - E SENECA TPK / LAFAYETTE RD (SEE PLN-22)



CURB RAMP 42 - E SENECA TPK / NOB HILL APARTMENTS (SEE PLN-24)

LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- PERMANENT CONCRETE REMOVAL (ITEM 203.02)
- CONCRETE SIDEWALK (ITEM 608.0101)
- ASPHALT DRIVEWAY (ITEM 608.020102)
- TC — TOP OF CURB
- BC — BOTTOM OF CURB
- TS — TURNING SPACE

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

5 0 5 10

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 53

CHANGES INCLUDE:
1. SHIFTED CURB RAMP 40 SOUTH (1'-3").
2. ADDED ACCESSIBILITY PADS TO CURB RAMPS 40 & 41.
3. ADDED PUSH BUTTON LOCATIONS.

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2/11/2026

STATE OF NEW YORK
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NO. 073781

Syracuse

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EAST BRIGHTON AVENUE 2R PAVING PROJECT

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CURB RAMP DETAILS

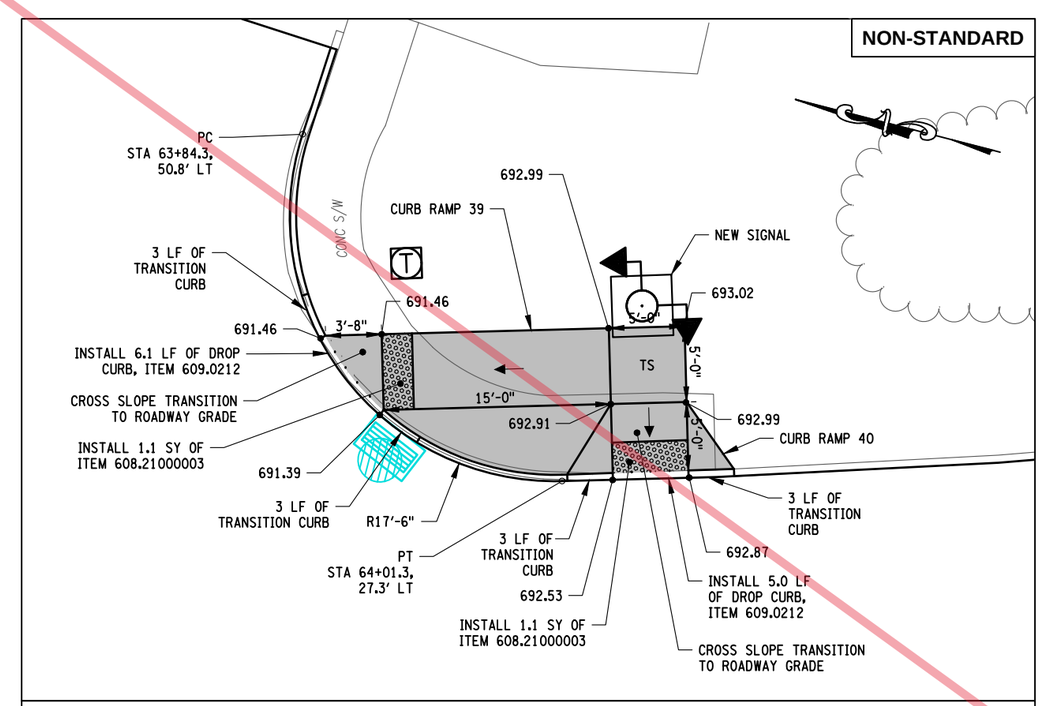
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SHEET 53R1 OF 241

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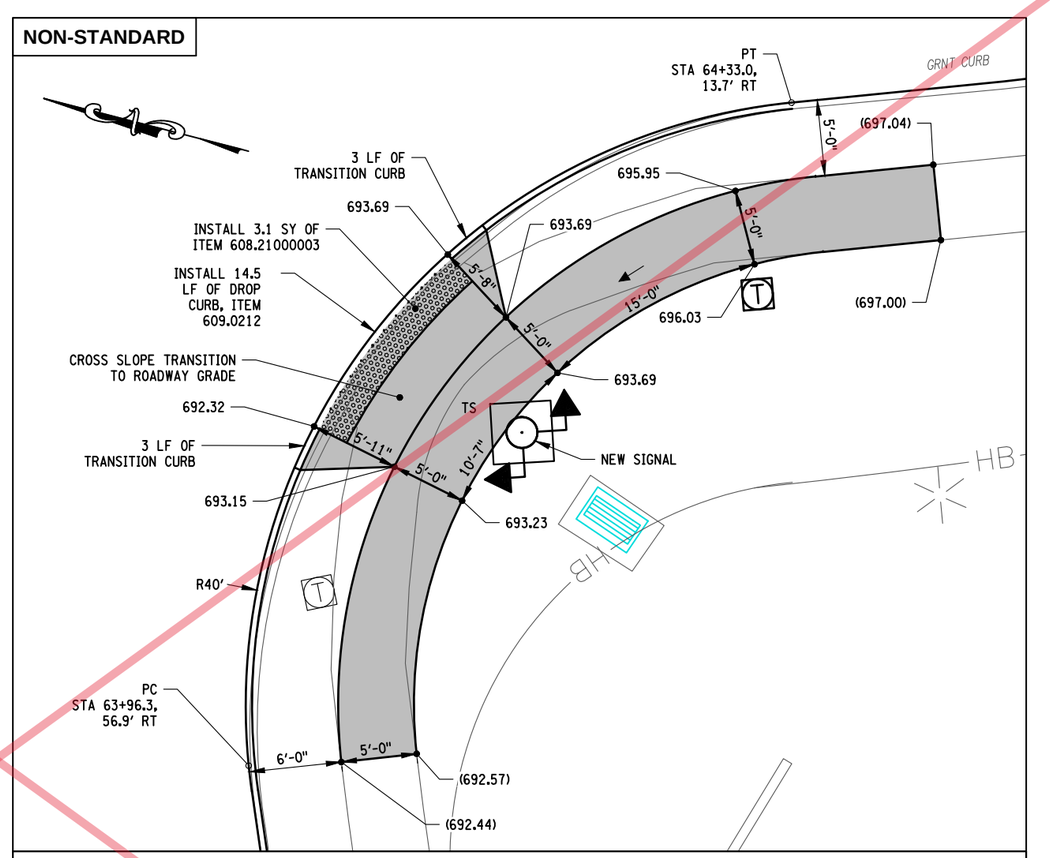
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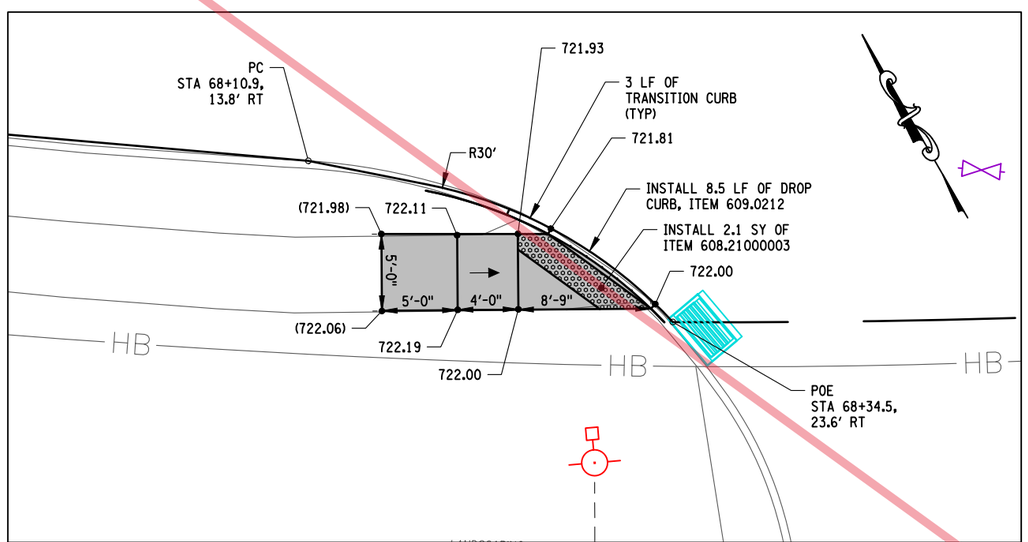


CURB RAMP 39 & 40 - E SENECA TPK / LAFAYETTE RD (SEE PLN-22)

NON-STANDARD



CURB RAMP 41 - E SENECA TPK / LAFAYETTE RD (SEE PLN-22)



CURB RAMP 42 - E SENECA TPK / NOB HILL APARTMENTS (SEE PLN-24)

LEGEND

- CURB RAMP SLOPE
- NEW CURB (ITEM 609.0212)
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ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
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610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY

5 0 5 10

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Syracuse New York

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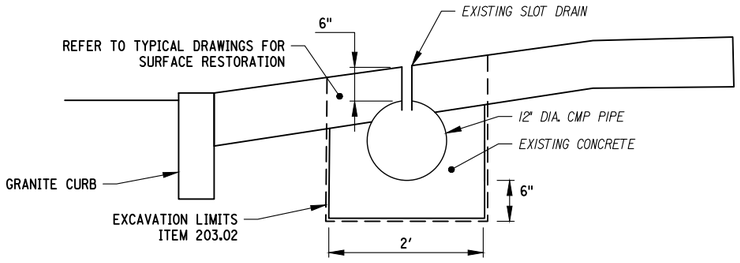
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CURB RAMP DETAILS

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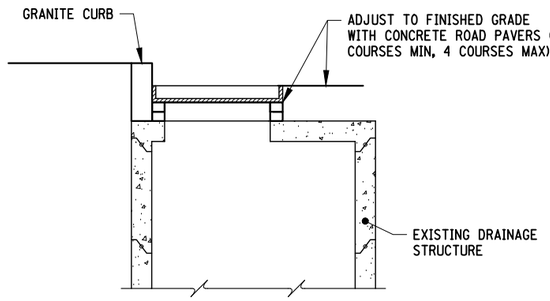
LOCATIONS: DS 4-2, DS 4-3, DS 6-4, DS 7-3

REMOVAL OF EXISTING SLOTTED DRAIN

NOT TO SCALE

NOTES:

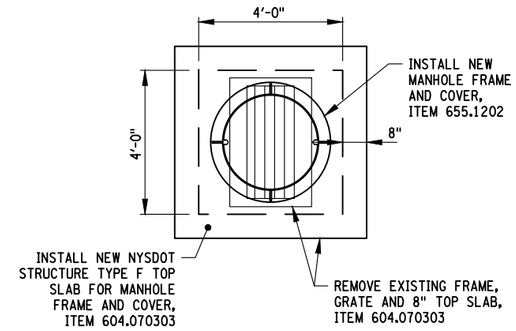
1. REMOVE AND DISPOSE OF EXISTING SLOTTED DRAIN COST SHALL BE INCLUDED UNDER ITEM 203.02.
2. BACKFILL REMOVED SLOTTED DRAIN EXCAVATION WITH ITEM 304.12 AND COMPACT ACCORDING TO SPECIFICATIONS.



ITEM 604.070301

ALTERING EXISTING DRAINAGE STRUCTURE TO PROPOSED GRADE

SEE DRAINAGE TABLE ON DRT DWGS FOR LOCATIONS.
NOT TO SCALE



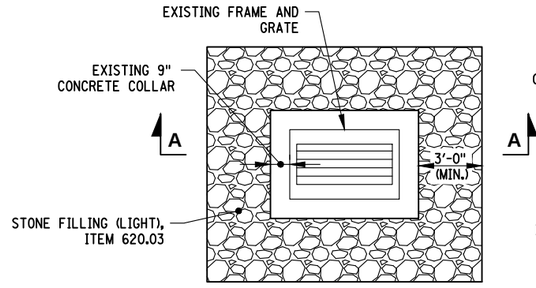
ITEM 604.070303

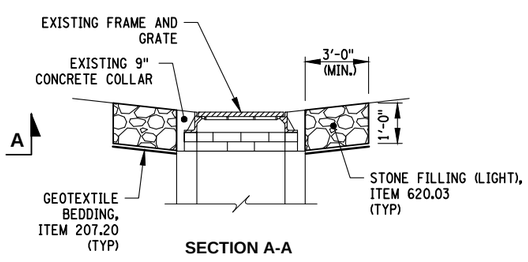
MODIFYING EXISTING DRAINAGE STRUCTURE TO ACCEPT MANHOLE FRAME AND COVER

SEE DRAINAGE TABLE ON DRT DWGS FOR LOCATIONS
NOT TO SCALE

NOTE:

1. CONTRACTOR TO VERIFY THE SIZE OF THE EXISTING DRAINAGE STRUCTURE PRIOR TO MODIFYING.





SECTION A-A

LOCATIONS: DS 3-3, DS 4-3, DS 13-7, DS 20-2, DS 22-7

LIGHT STONE FILL AT FIELD INLETS

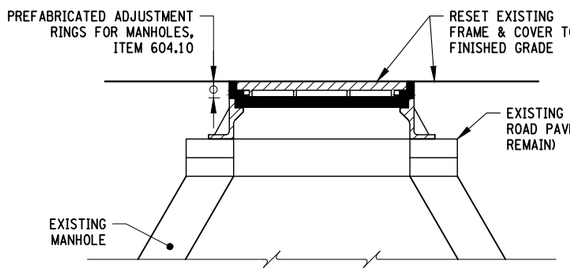
SEE DRAINAGE TABLE ON DRT & PLN DWGS FOR LOCATIONS. NOT TO SCALE

PIPE TRENCH IN ROADWAY

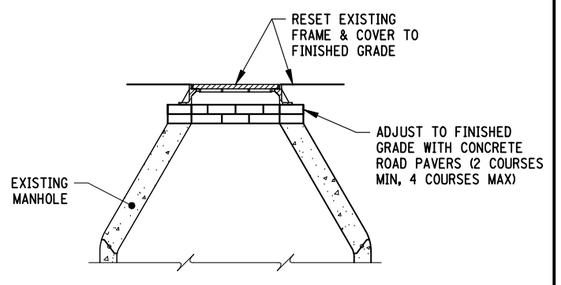
NOT TO SCALE

NOTES:

1. TEMPORARY PAVEMENT SHALL BE INSTALLED IN PIPE TRENCH RESTORATION AREAS TO MATCH ADJACENT PAVEMENT GRADE TO MAINTAIN TRAFFIC PRIOR TO MILLING.
2. ITEM 407.0102 - DILUTED TACK COAT SHALL BE USED BETWEEN ALL NEW ASPHALT COURSES.
3. IF UNSTABLE ON UNSUITABLE SOIL CONDITIONS ARE ENCOUNTERED NEAR THE PIPE INVERT ELEVATION, A MINIMUM OF 12" AND MAXIMUM OF 2'-0" OF MATERIAL SHALL BE EXCAVATED A.O.B.E. AND REPLACED WITH NO. 1 CRUSHED STONE BEDDING, ITEM 623.12.
4. THE TRENCH WIDTH SHALL BE DETERMINED IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION SECTION 206-4.03. WHERE THE WIDTH (W) IS THE LESSER OF (O.D. + 4FT) OR (3*O.D.).
5. FINAL BACKFILL UNDER LAWN AREAS SHALL BE SUITABLE MATERIAL PER ITEM 206.0201 SPECIFICATIONS. FINAL BACKFILL COURSE UNDER ROADWAYS, DRIVEWAYS, AND SIDEWALKS SHALL BE ITEM 304.12.



ITEM 604.10



ITEM 604.070301

ALTERING EXISTING SANITARY AND STORM MANHOLE TO PROPOSED GRADE

SEE MANHOLE AND VALVE BOX ADJUSTMENT TABLE ON DWGS MST-08 TO MST-10 AND DRAINAGE TABLE ON DRT DWGS FOR LOCATIONS
NOT TO SCALE

NOTES:

1. RESIDENT ENGINEER SHALL DETERMINE IF ITEM 604.10 OR ITEM 604.070301 SHALL BE USED TO ALTER EXISTING MANHOLES TO PROPOSED GRADE.
2. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER IF HE ENCOUNTERS ANY DAMAGED MANHOLE OR WATER VALVE COVERS. THE RESIDENT ENGINEER WILL CONTACT THE CITY DEPARTMENT OF PUBLIC WORKS TO PROVIDE REPLACEMENT COVERS.

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Phone: 315-455-2000
Fax: 315-455-9667
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1/9/2025

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Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

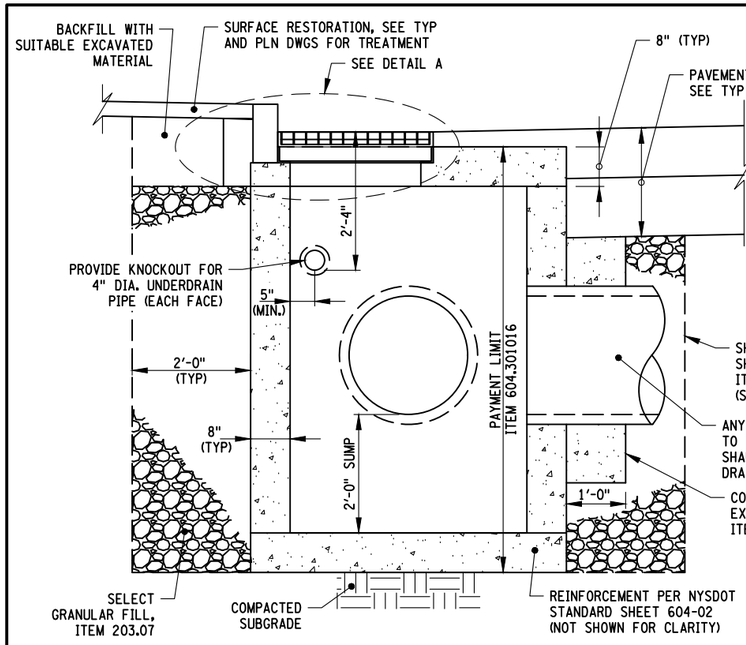
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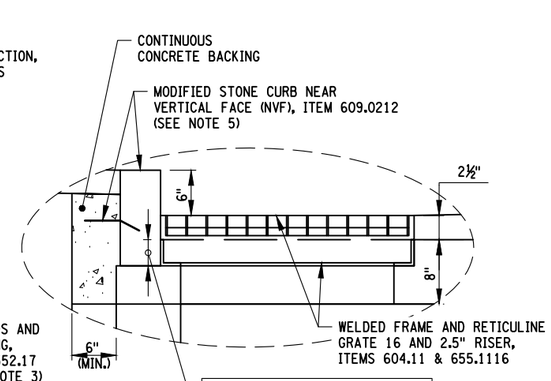
LOCATIONS: DS 8-2, DS 8-12, 10-8, 14-2, 16-3, 20-5

TYPE J DRAINAGE STRUCTURE FOR NO. 16 WELDED FRAME

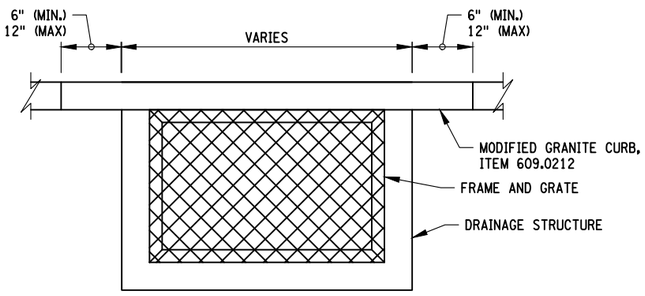
NOT TO SCALE

NOTES:

1. SEE DRAINAGE TABLES ON DRT DWGS.
2. FIELD VERIFY LENGTHS PRIOR TO FABRICATION
3. SHIELDS AND SHORING SHALL BE USED IF THE EXCAVATION DEPTH REQUIRES.
4. REFER TO DIMENSIONS AND DETAILS FOR TYPE J DRAINAGE STRUCTURE ON NYSDOT STANDARD SHEET 604-02. COST TO MODIFY TOP SLAB TO ACCEPET GRANITE CURB SHALL BE INCLUDED UNDER ITEM 604.301016.
5. ALL CURB THAT SPANS DRAINAGE STRUCTURES SHALL BE SAWCUT TO A HEIGHT OF 12" AND INCLUDE A MINIMUM OF 3 CONCRETE ANCHORS. CURB HEIGHT SHALL BE VERIFIED IN THE FIELD PRIOR TO CUTTING. COST FOR ANCHORS AND CUTTING TO BE INCLUDED UNDER ITEM 609.0212.



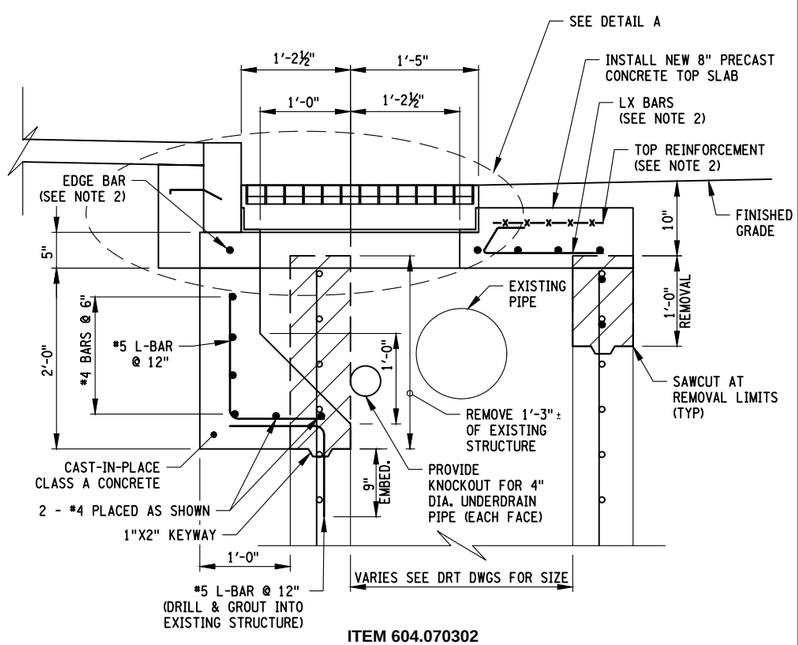
DETAIL A



PLAN

CURB SPANNING DRAINAGE STRUCTURES

NOT TO SCALE



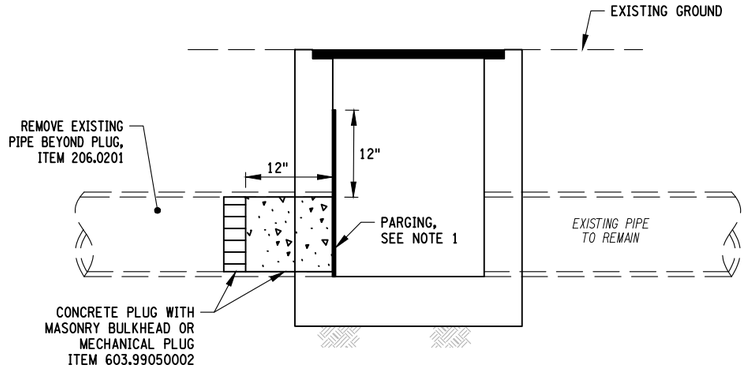
ITEM 604.070302

ALTERING EXISTING DRAINAGE STRUCTURE FOR ROAD WIDENING

SEE DRAINAGE TABLE ON DRT DWGS FOR LOCATIONS.
NOT TO SCALE

NOTES:

1. COSTS TO MODIFY EXISTING DRAINAGE STRUCTURE SHALL INCLUDE THE COSTS OF ALL MATERIAL, LABOR AND EQUIPMENT NECESSARY TO SATISFACTORILY COMPLETE THE WORK. CURB, FRAME AND GRATE WILL BE PAID FOR SEPARATELY UNDER THEIR RESPECTIVE ITEMS.
2. REFER TO NYSDOT STANDARD SHEETS 604-02 SLAB REINFORCEMENT.
3. EXCAVATION, SHORING AND BACKFILL REQUIREMENTS SHALL FOLLOW THAT OF TYPE J DRAINAGE STRUCTURE DETAIL, THIS SHEET.

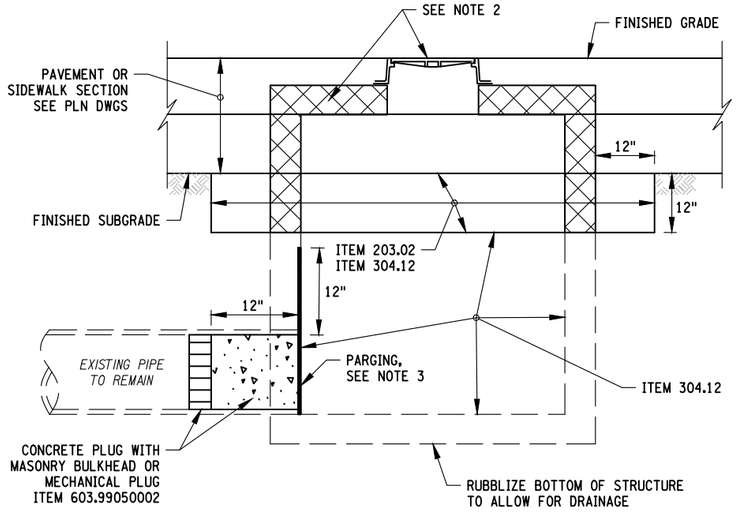


PIPE REMOVAL IN STRUCTURE

NOT TO SCALE

NOTES:

1. THE INTERIOR OF THE STRUCTURE SHALL BE PARGED WITH MASONRY MORTAR, MEETING THE REQUIREMENTS OF NYSDOT SECTION 705-21, A MINIMUM OF 12" BEYOND PIPE OPENING. COST TO BE INCLUDED IN ITEM 603.99050002.



LOCATIONS: DS 2-2, DS 9-4

STRUCTURE TO BE ABANDONED

NOT TO SCALE

NOTES:

1. BACKFILL REMAINING STRUCTURE WITH ITEM 304.12 AND COMPACT ACCORDING TO SPECIFICATIONS. BACKFILL REMAINING EXCAVATED AREA TO SUBGRADE WITH ITEM 304.12.
2. REMOVE AND DISPOSE OF EXISTING STRUCTURE AS SHOWN INCLUDING FRAME AND COVER/GRATE. COST SHALL BE INCLUDED UNDER ITEM 203.02.
3. THE INTERIOR OF THE STRUCTURE SHALL BE PARGED WITH MASONRY MORTAR, MEETING THE REQUIREMENTS OF NYSDOT SECTION 705-21, A MINIMUM OF 12" BEYOND PIPE OPENING. COST TO BE INCLUDED IN ITEM 603.99050002.

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1/9/2025

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D040386

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PIN 3756.80

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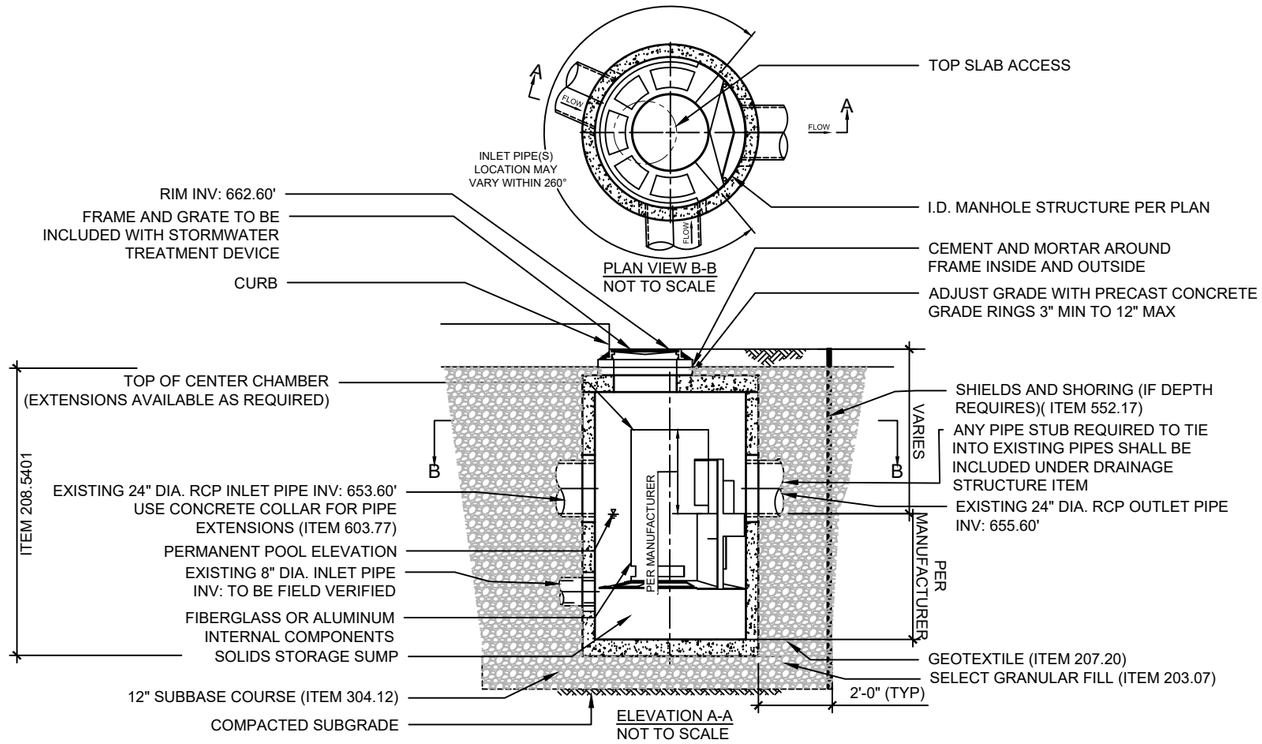
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GENERAL NOTES

1. TREATMENT FLOW RATE: 2.90 CFS, MAX 10-YEAR BYPASS FLOW RATE: 32.00 CFS
2. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
3. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT THE MANUFACTURER. WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 2' , AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. CASTINGS SHALL MEET AASHTO M306.
5. STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.
6. EXISTING STORM CONNECTIONS AND NON PRESSURE TRANSITION COUPLING REQUIRED FOR EXISITNG STORM SEWER CONNECTION TO NEW HDS UNIT

INSTALLATION NOTES

A. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE MANHOLE STRUCTURE.
B. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
C. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
D. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

6' DIAMETER HYDRODYNAMIC SEPARATOR DS 19-2

Scale: NTS

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New York

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMITS
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

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PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	JK
DESIGNED BY:	RS
CHECKED BY:	TFJD

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EROSION & SEDIMENT CONTROL PLAN NOTES

1. THIS PROJECT OBTAINED COVERAGE UNDER THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES, PERMIT NO. GP-0-20-001 (GENERAL PERMIT), EFFECTIVE JANUARY 29, 2020 WITH ACTIVITIES. A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN PREPARED IN ACCORDANCE WITH THIS PERMIT, AND IS PART OF THE CONTRACT AND CONSTRUCTION REQUIREMENTS FOR THIS PROJECT.
2. REFER TO THE CONSTRUCTION SEQUENCE IN THE SWPPP.
3. DISTURBED AREAS SHALL BE AS SMALL AS PRACTICAL, AND SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN THE TIME FRAME REQUIRED BY THE SWPPP.
4. MAINTAIN AN ADEQUATE SUPPLY OF EROSION AND SEDIMENT CONTROL MATERIALS AT THE CONSTRUCTION SITE AT ALL TIMES TO BE USED FOR URGENT SITUATIONS, SUCH AS UNEXPECTED HEAVY RAINFALL.
5. PROVIDED THAT AN AREA OF SIDEWALK REPLACEMENT WORK WILL BE COMPLETED WITHIN ONE WORK DAY, THAT THERE IS NO RAIN IN THE FORECAST, AND WITH THE PERMISSION OF THE OWNER'S REPRESENTATIVE, THE CONTRACTOR MAY COMPLETE SIDEWALK REPLACEMENT WORK WITHOUT THE INSTALLATION OF PERIMETER CONTROL OR INLET PROTECTION PRACTICES.
6. EROSION CONTROL MEASURES SHALL BE THE FIRST ITEMS CONSTRUCTED WHEN SITE WORK BEGINS, AND MUST BE COMPLETELY FUNCTIONAL BEFORE DOWN SLOPE LAND DISTURBANCE BEGINS.
7. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND OPERATED IN ACCORDANCE WITH THEIR DESIGN. ANY NEED FOR REPAIRS OR MAINTENANCE SHALL BE ADDRESSED IMMEDIATELY TO ASSURE THE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION THROUGHOUT THE CONSTRUCTION PROCESS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ANY DEWATERING AND SUBSEQUENT SEDIMENT REMOVAL PRACTICES. DEWATERING PRACTICES SHALL NOT DIRECTLY DISCHARGE INTO THE CITY OF SYRACUSE SEWER SYSTEM OR ANY STRUCTURE CONNECTED TO THE SEWER.
9. MAINTENANCE AND REPAIR OF ALL EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM AND FUEL TANK DRAIN DOWN, DEGREASING OPERATIONS AND OTHER ACTIVITIES THAT MAY RESULT IN THE ACCIDENTAL RELEASE OF CONTAMINANTS MUST BE CONDUCTED OFF-SITE. ACCIDENTAL SPILLS MUST BE CLEANED UP IMMEDIATELY AND CONTAMINANTS DISPOSED OF PROPERLY.
10. THE CONTRACTOR SHALL TAKE THE NECESSARY MEASURES, INCLUDING WATER SPRINKLING TO PROVIDE DUST CONTROL DURING CONSTRUCTION.
11. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL PRACTICES, AS SHOWN ON THE DETAIL SHEETS, AS NECESSARY DURING THE COURSE OF CONSTRUCTION AT NO COST TO THE OWNER.
12. IF SEDIMENT IS TRANSPORTED ONTO ROADS OR SIDEWALKS, IT MUST BE REMOVED FROM THE ROAD SURFACE ON A DAILY BASIS AND PRIOR TO RAIN EVENTS. SEDIMENT SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTAMINATION OF STORMWATER AND SURFACE WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL PRACTICAL MEASURES TO PREVENT SEDIMENT FROM BEING TRANSPORTED OUTSIDE OF THE WORK AREA.
13. VEGETATION OUTSIDE THE LIMITS OF DISTURBANCE SHALL BE PROTECTED.
14. CONTRACTOR SHALL REMOVE AND REPLACE ANY STREET TREES THAT ARE DAMAGED DURING CONSTRUCTION.
15. THE CONTRACTOR SHALL ULTIMATELY BE RESPONSIBLE FOR LOCATING SOIL AND EXCESS EXCAVATED EARTH STOCK PILES AT A STABLE LOCATION.
16. CONSTRUCTION ROUTES SHALL BE STABILIZED PER THE NYS STANDARDS FOR EROSION AND SEDIMENT CONTROL, AS NECESSARY BASED ON SITE CONDITIONS.
17. THE CONTRACTOR IS RESPONSIBLE FOR THE PLACEMENT, DESIGN, APPROVAL, AND OPERATION OF THE CONCRETE WASHOUTS. THE CONCRETE WASHOUTS SHALL BE INSTALLED A MINIMUM OF 50' FROM STORM DRAINAGE OR SURFACE WATER. CONCRETE WASTE MATERIAL SHALL NOT BE ALLOWED TO DISCHARGE FROM THE CONCRETE WASHOUT.
18. FOR INSTALLED SEDIMENT CONTROL PRACTICES, REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS WHEN THE ACCUMULATION HAS REACHED A DEPTH OF 25% OF THE HEIGHT AND/OR VOLUME OF THE PRACTICE'S CAPACITY, OR MORE FREQUENTLY AS REQUIRED BY THE DETAILS.
19. THE CONTRACTOR SHALL PROVIDE PORTABLE HANDWASHING AND SANITARY FACILITIES, THESE FACILITIES SHALL BE SERVICED REGULARLY BY AN APPROVED SERVICE PROVIDER.
20. SOLID WASTE SHALL BE STORED IN COVERED DUMPSTERS OR OTHER APPROPRIATE CONTAINERS. WASTE IS TO BE DISPOSED OF REGULARLY AND PROPERLY IN ACCORDANCE WITH LOCAL, STATE, AND/OR FEDERAL REGULATIONS.
21. THE EROSION AND SEDIMENT CONTROLS ARE SHOWN FOR A CONDITION WHEN ALL WORK IS OCCURRING SIMULTANEOUSLY. ACTUAL INSTALLATIONS SHALL BE ADJUSTED BASED ON CURRENT CONSTRUCTION ACTIVITY AND SITE CONDITIONS.
22. SILT FENCE OR SEDIMENT FILTER LOG AS SHOWN IS APPROXIMATE. THE CONTRACTOR SHALL INSTALL THE EROSION CONTROL PRACTICE PARALLEL TO THE CONTOURS, TYP. COORDINATE THE PLACEMENT OF EROSION CONTROL PRACTICES ACROSS DRIVEWAYS AND PEDESTRIAN ACCESS WITH THE MUNICIPALITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING EROSION CONTROL PRACTICES ON THE DOWNSLOPE SIDE OF ALL DISTURBANCES
23. TOP DRESS, SEED, AND MULCH OR SOD ALL LAWN AREAS DISTURBED BY THE CONSTRUCTION AS SOON AS THE FINISHED GRADING OPERATION IS COMPLETED.
24. AVOID ANY DISTURBANCE OF EXISTING VEGETATION ON THE SITE EXCEPT THE VEGETATION SPECIFICALLY DESIGNATED TO BE REMOVED.
25. TAKE ALL PRECAUTIONS NECESSARY TO PREVENT EROSION AND CONTROL SEDIMENTATION AS REQUIRED BY THE AGENCIES OF GOVERNMENT HAVING JURISDICTION.

EROSION & SEDIMENT CONTROL QUANTITIES

PAY ITEM NO.	ITEM NAME	QTY.	UNITS
209.11010024	TEMPORARY CATCH BASIN INSERT	92	QTY
209.13	SILT FENCE, TEMPORARY	2,631	FT
209.1801	ROLLED EROSION CONTROL PRODUCT, CLASS 1 TYPE A, SHORT TERM	70	SY

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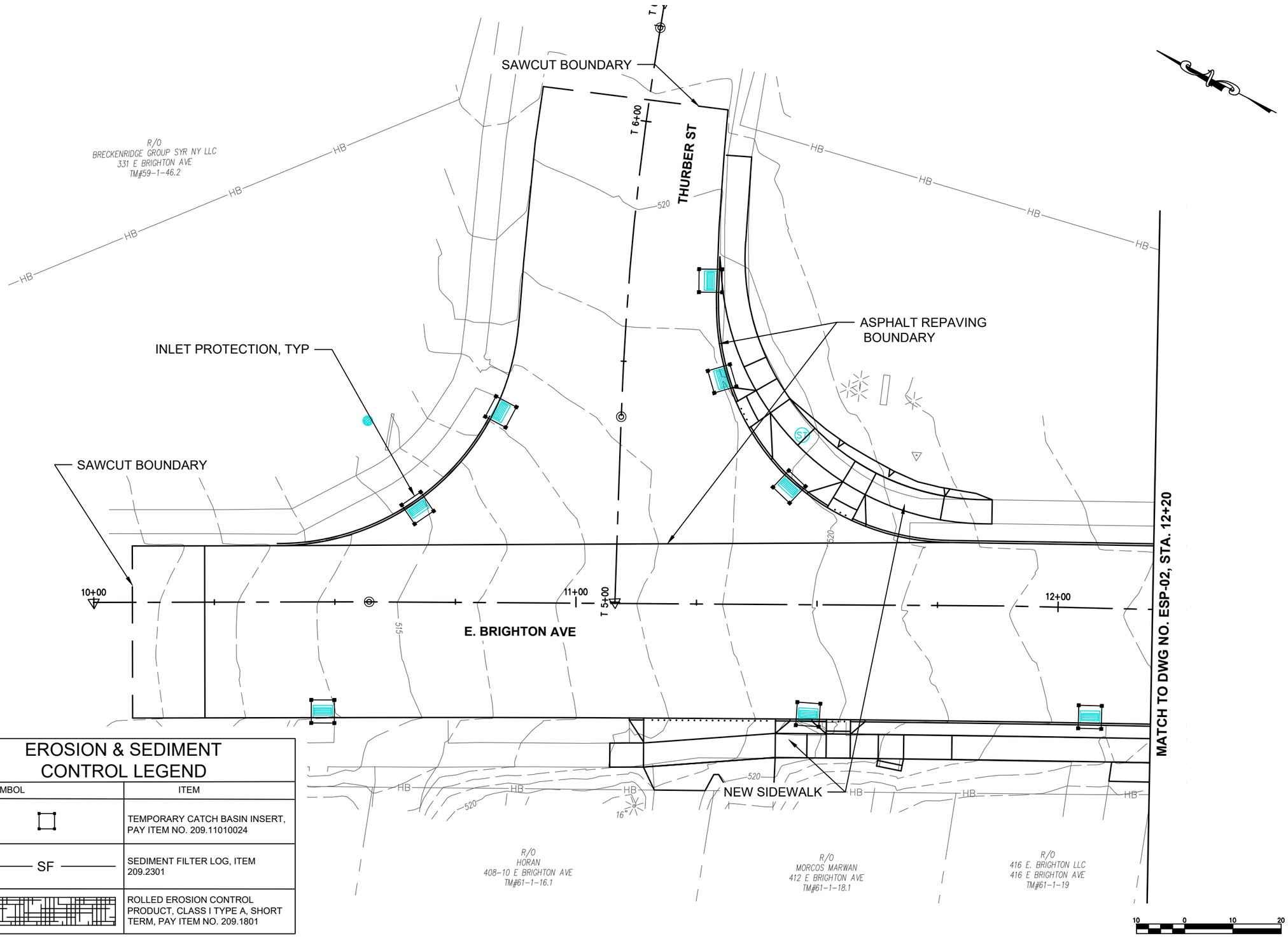
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EROSION AND SEDIMENT CONTROL NOTES

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EROSION & SEDIMENT CONTROL LEGEND

SYMBOL	ITEM
	TEMPORARY CATCH BASIN INSERT, PAY ITEM NO. 209.11010024
SF	SEDIMENT FILTER LOG, ITEM 209.2301
	ROLLED EROSION CONTROL PRODUCT, CLASS I TYPE A, SHORT TERM, PAY ITEM NO. 209.1801

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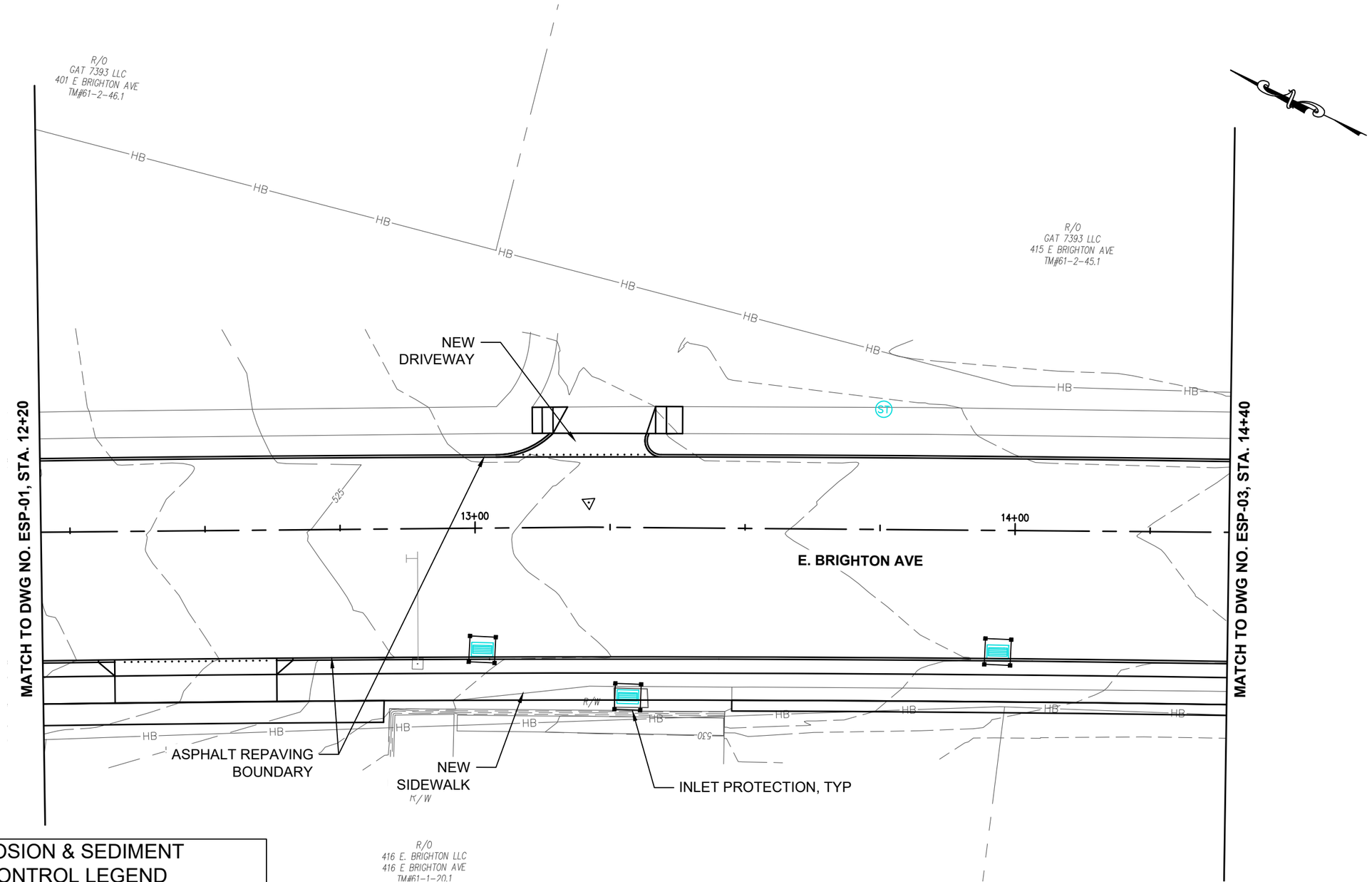
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EROSION AND SEDIMENT CONTROL PLAN

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EROSION & SEDIMENT CONTROL LEGEND

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	TEMPORARY CATCH BASIN INSERT, PAY ITEM NO. 209.11010024
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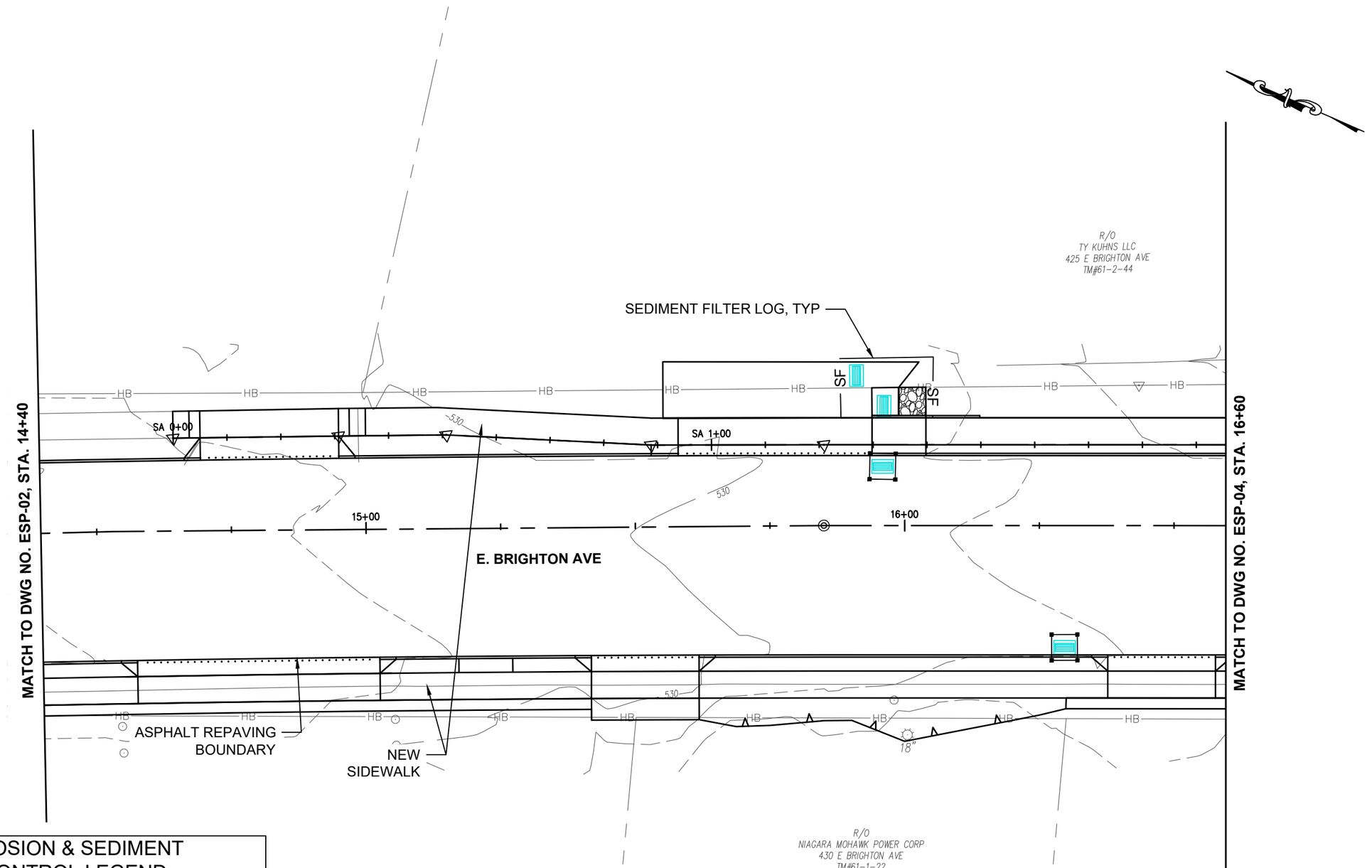
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CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

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MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	GJ
DESIGNED BY:	RS
CHECKED BY:	TFJD

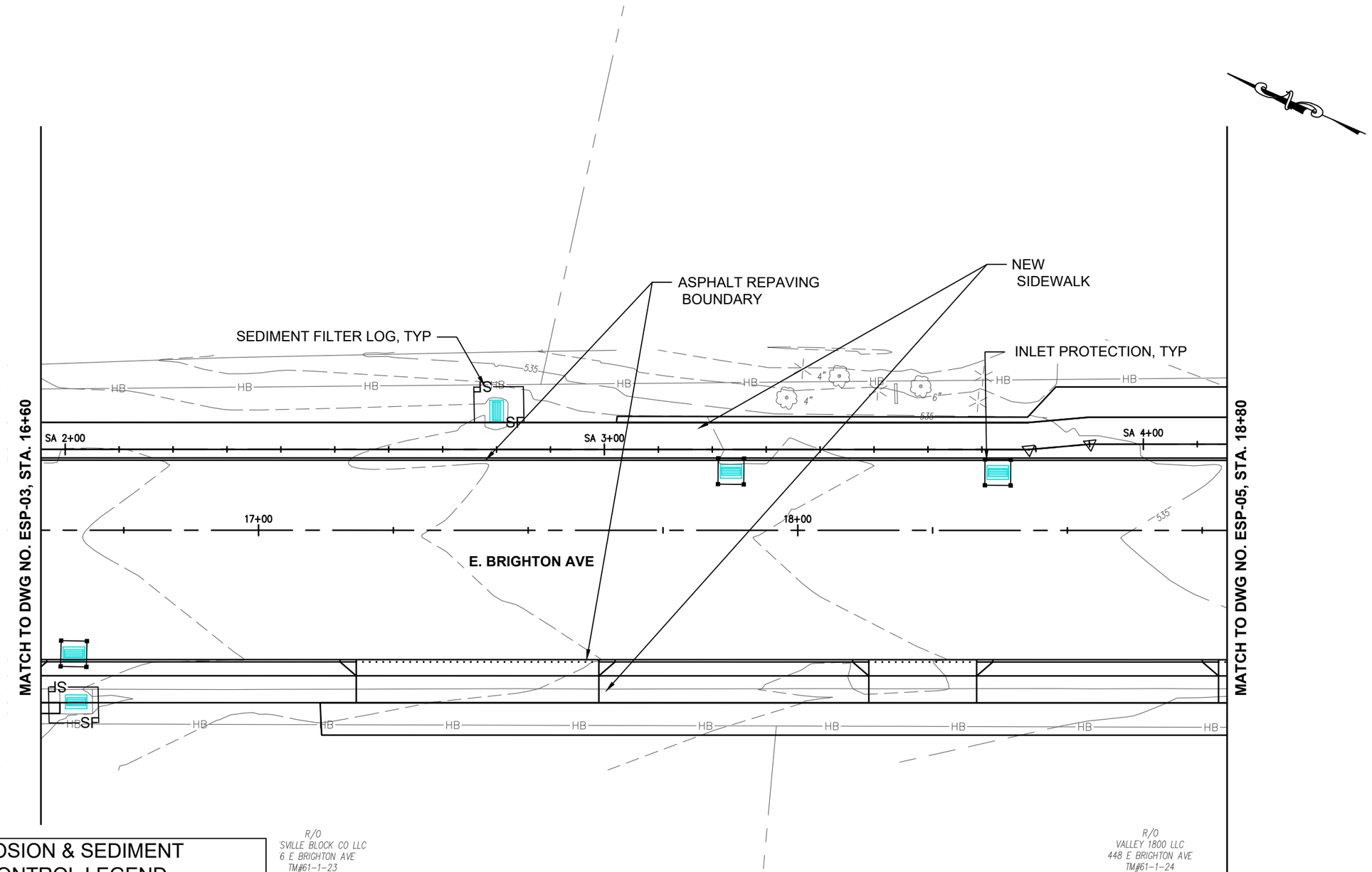
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MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	JK
DESIGNED BY:	RS
CHECKED BY:	TFJD

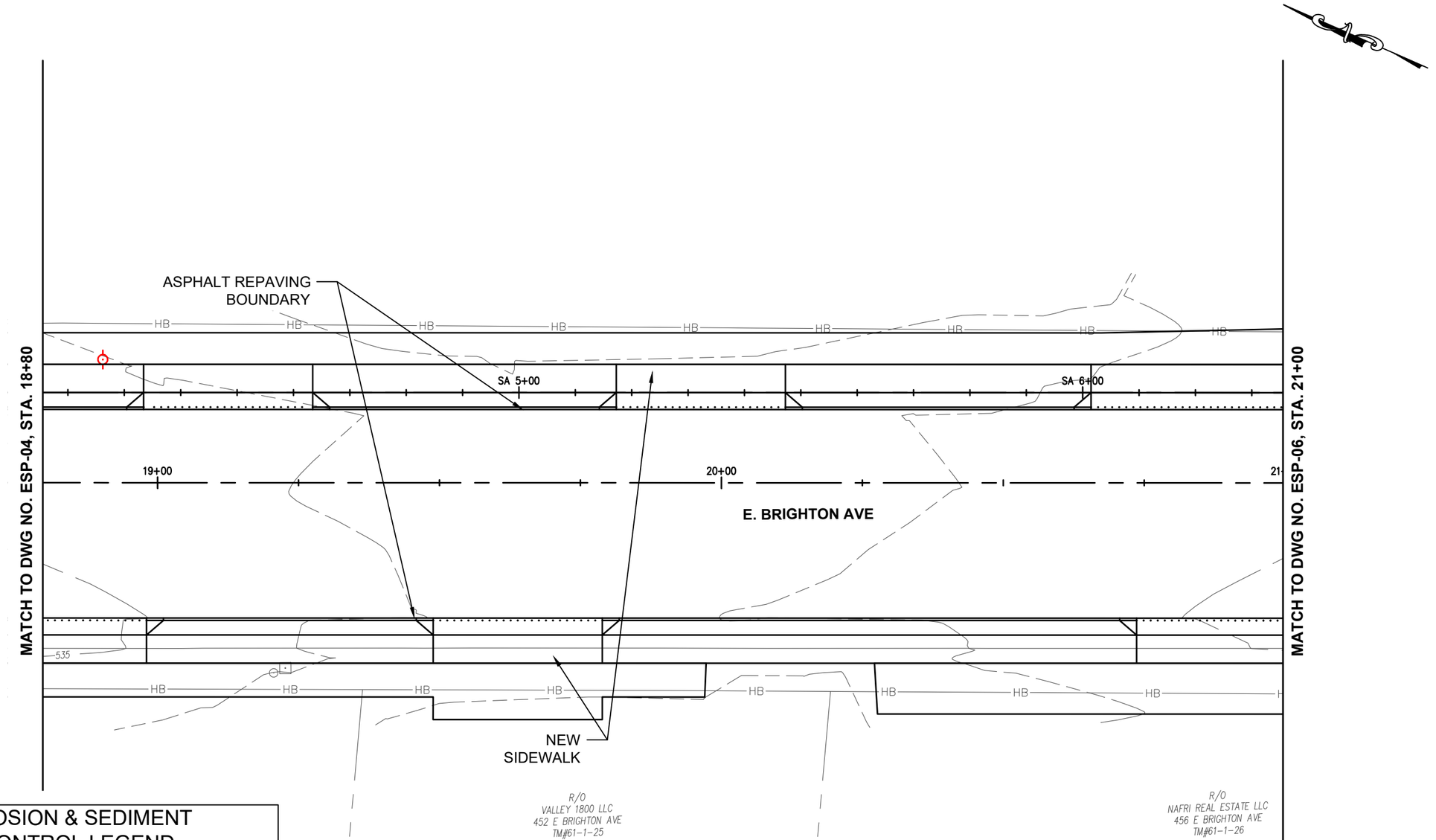
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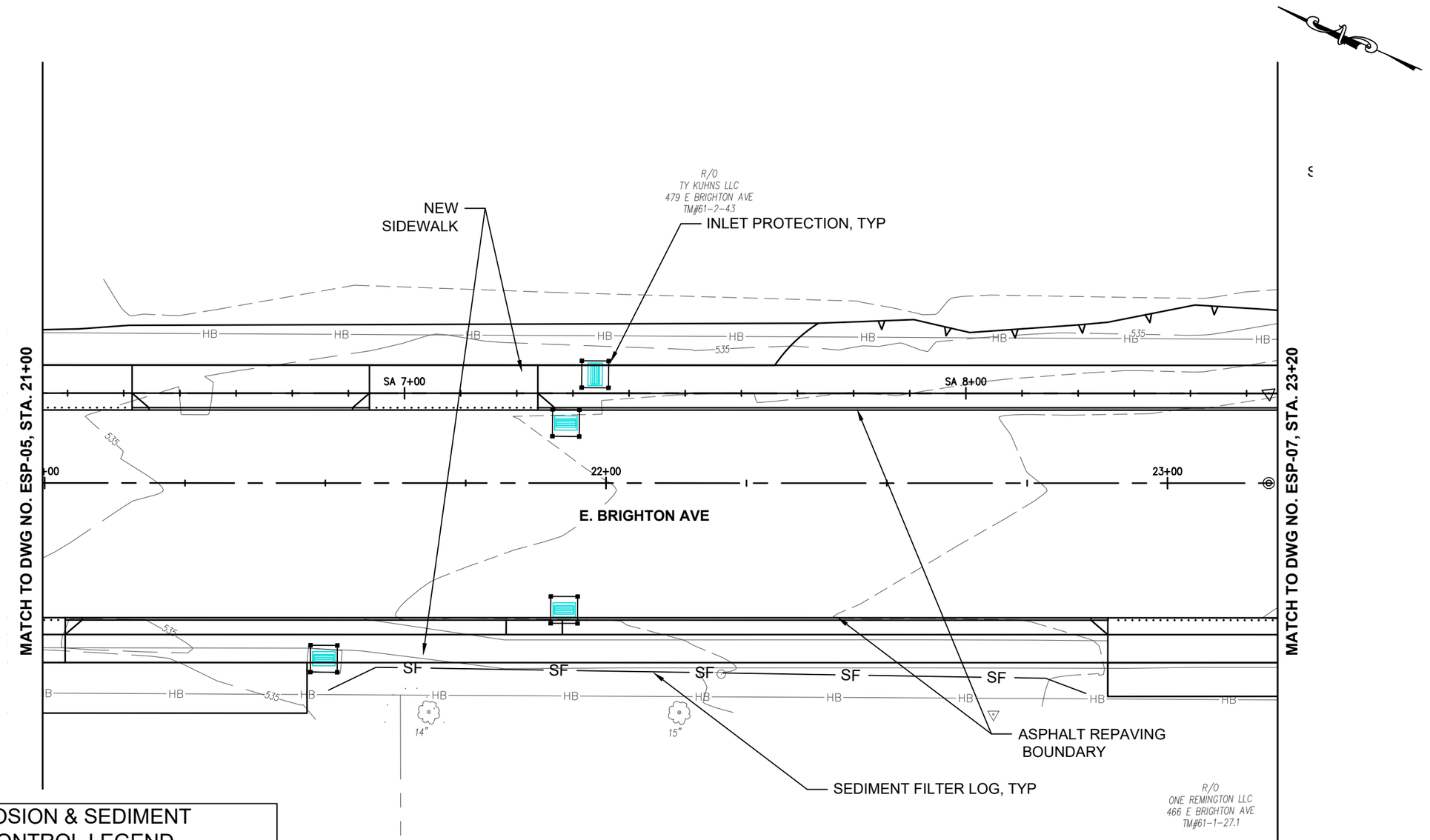
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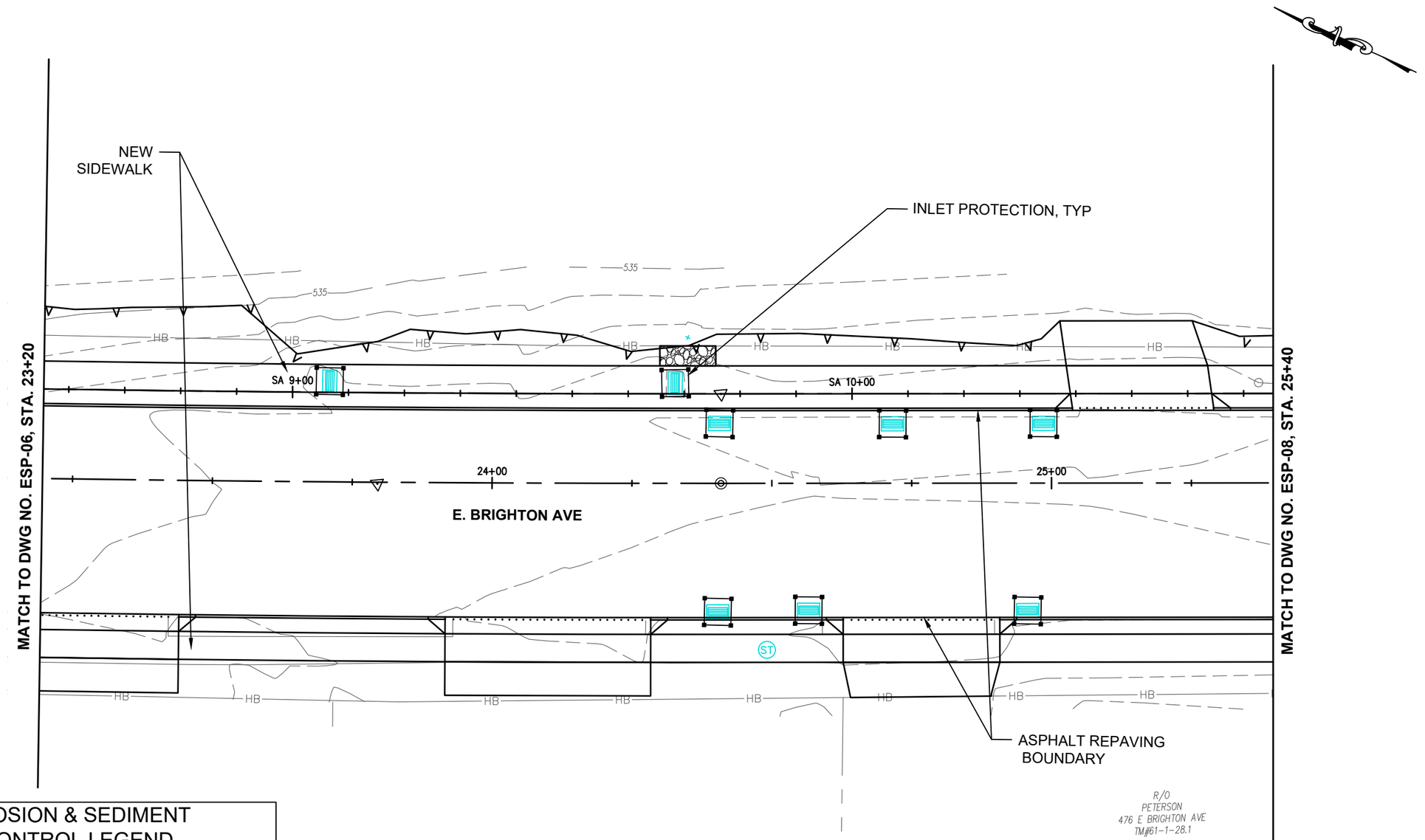
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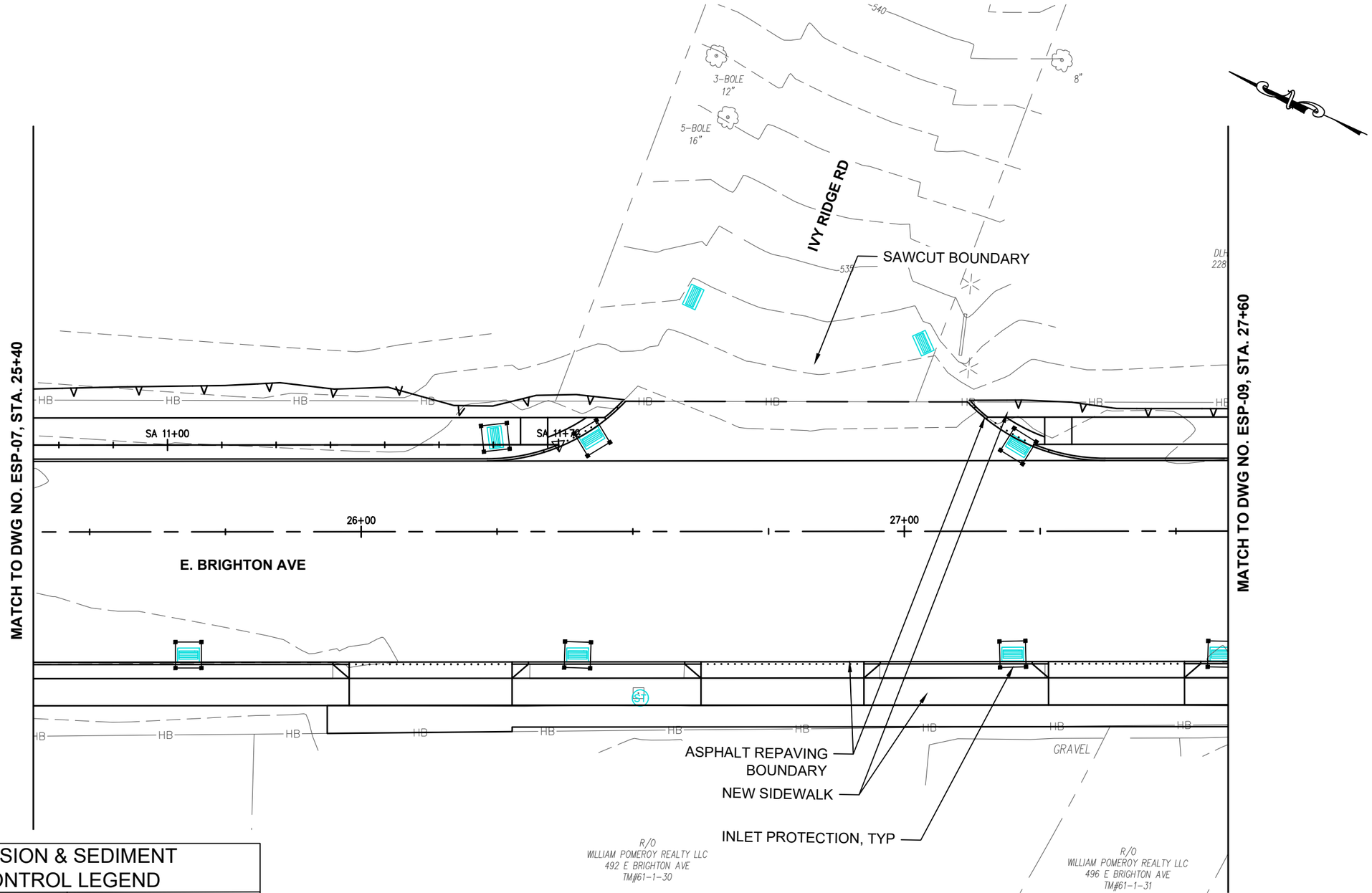
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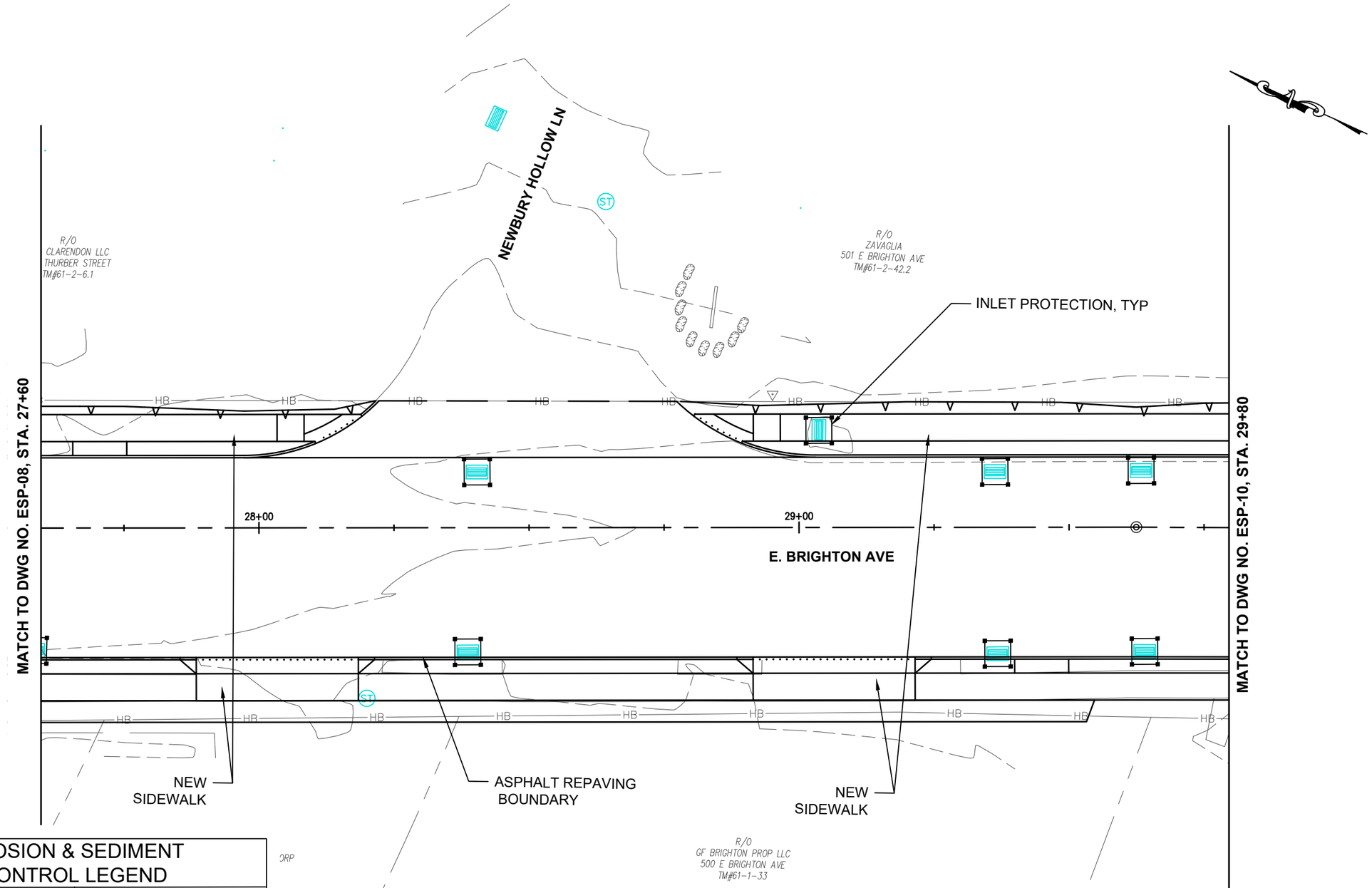
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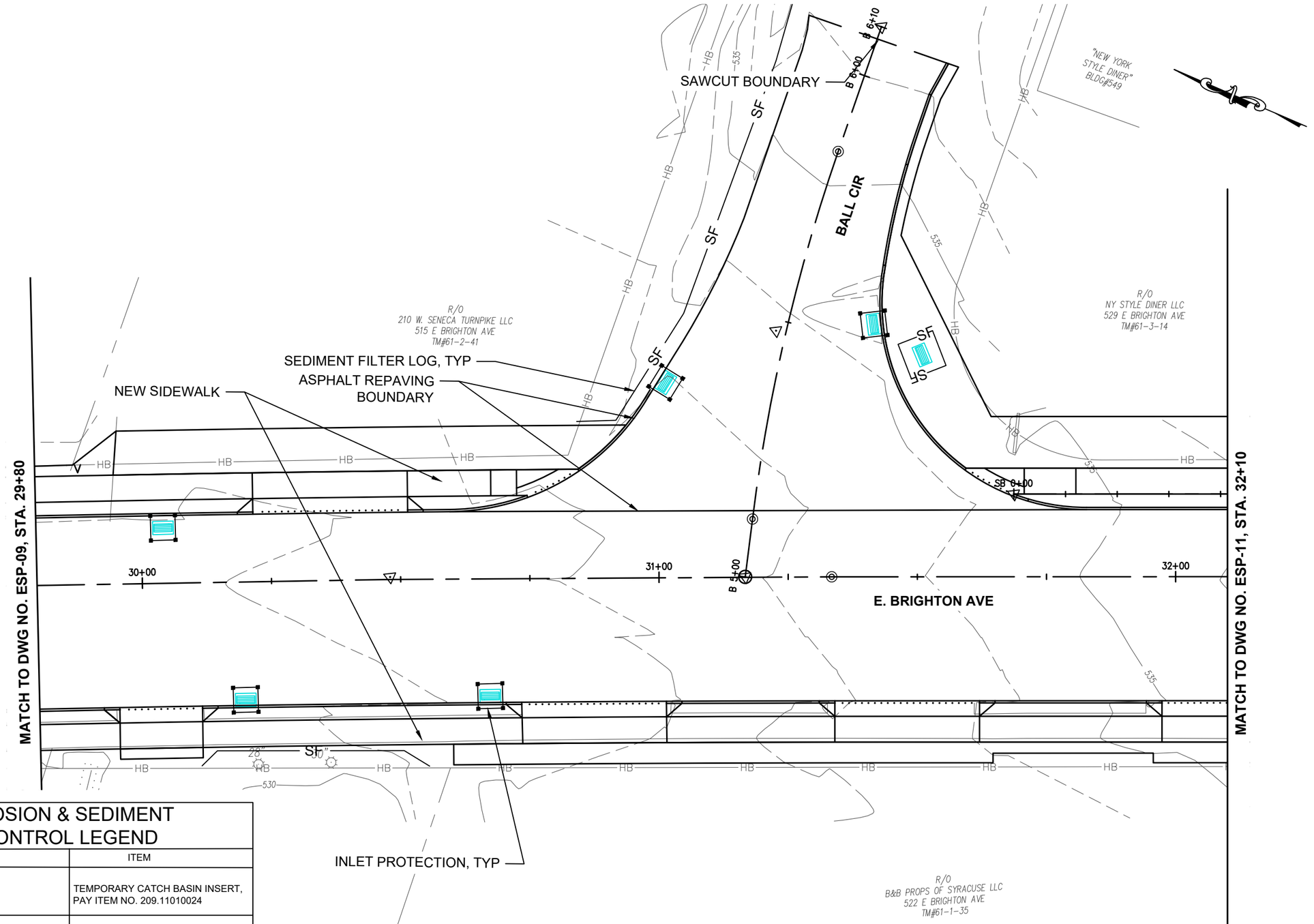
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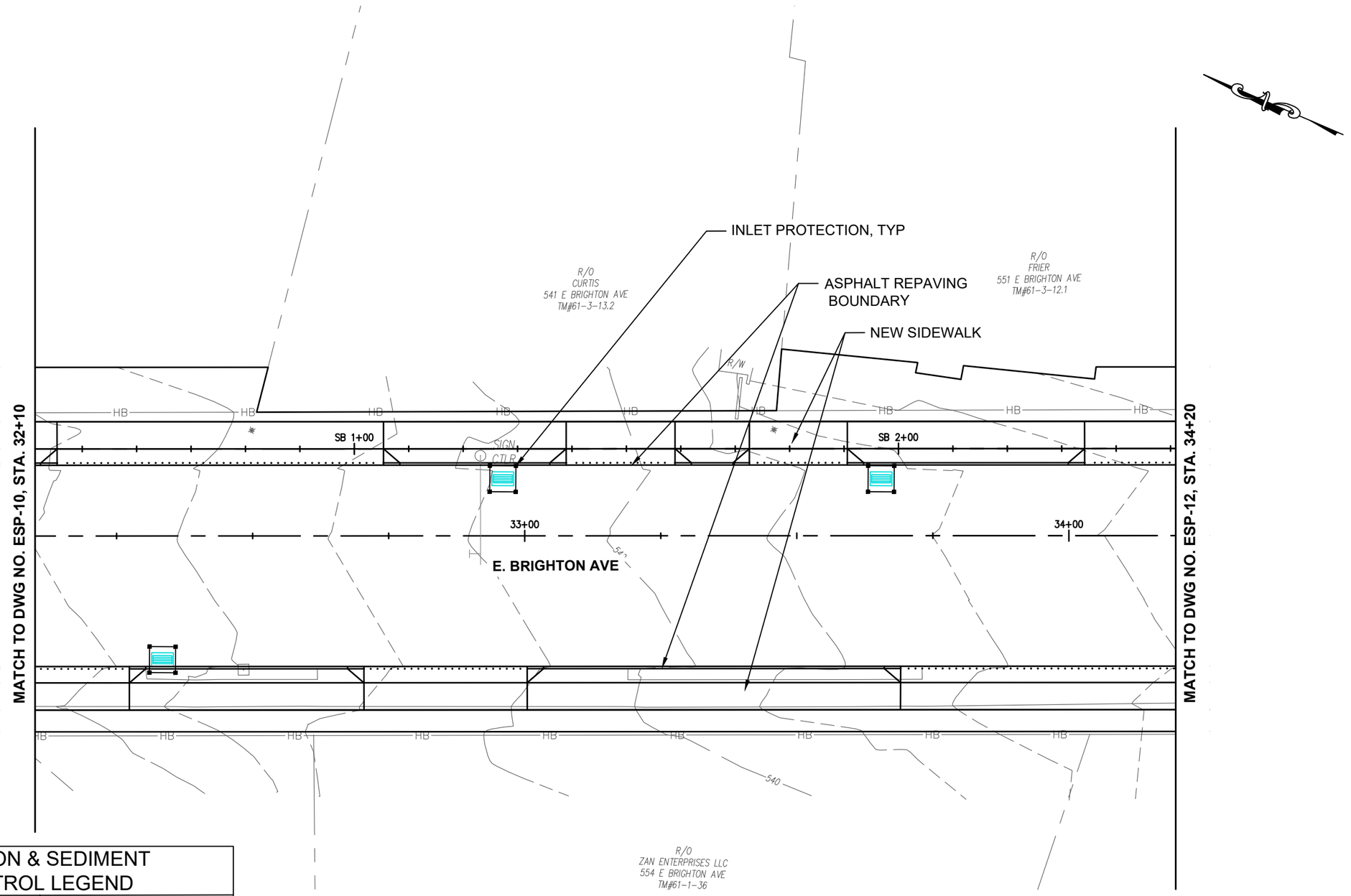
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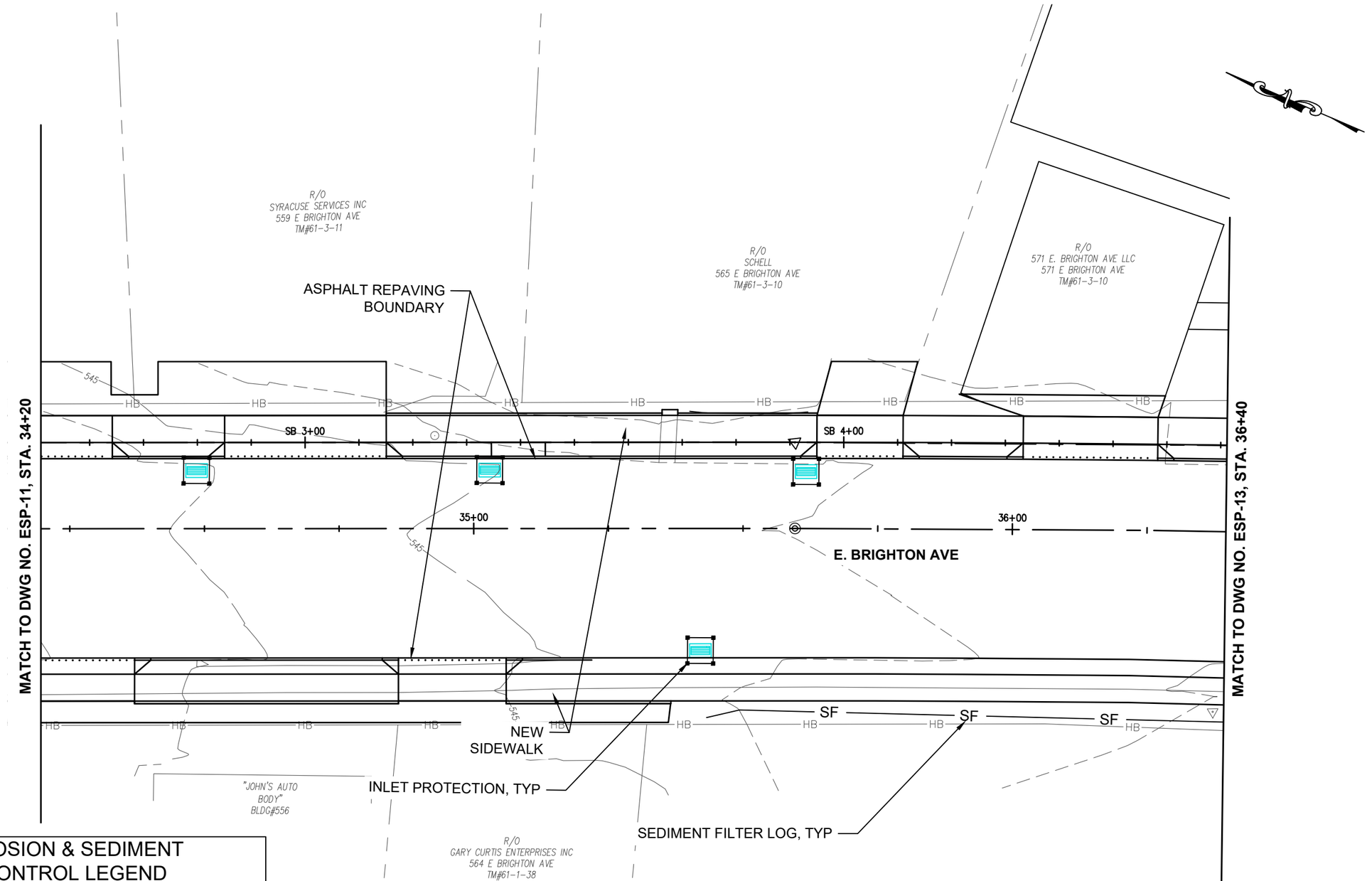
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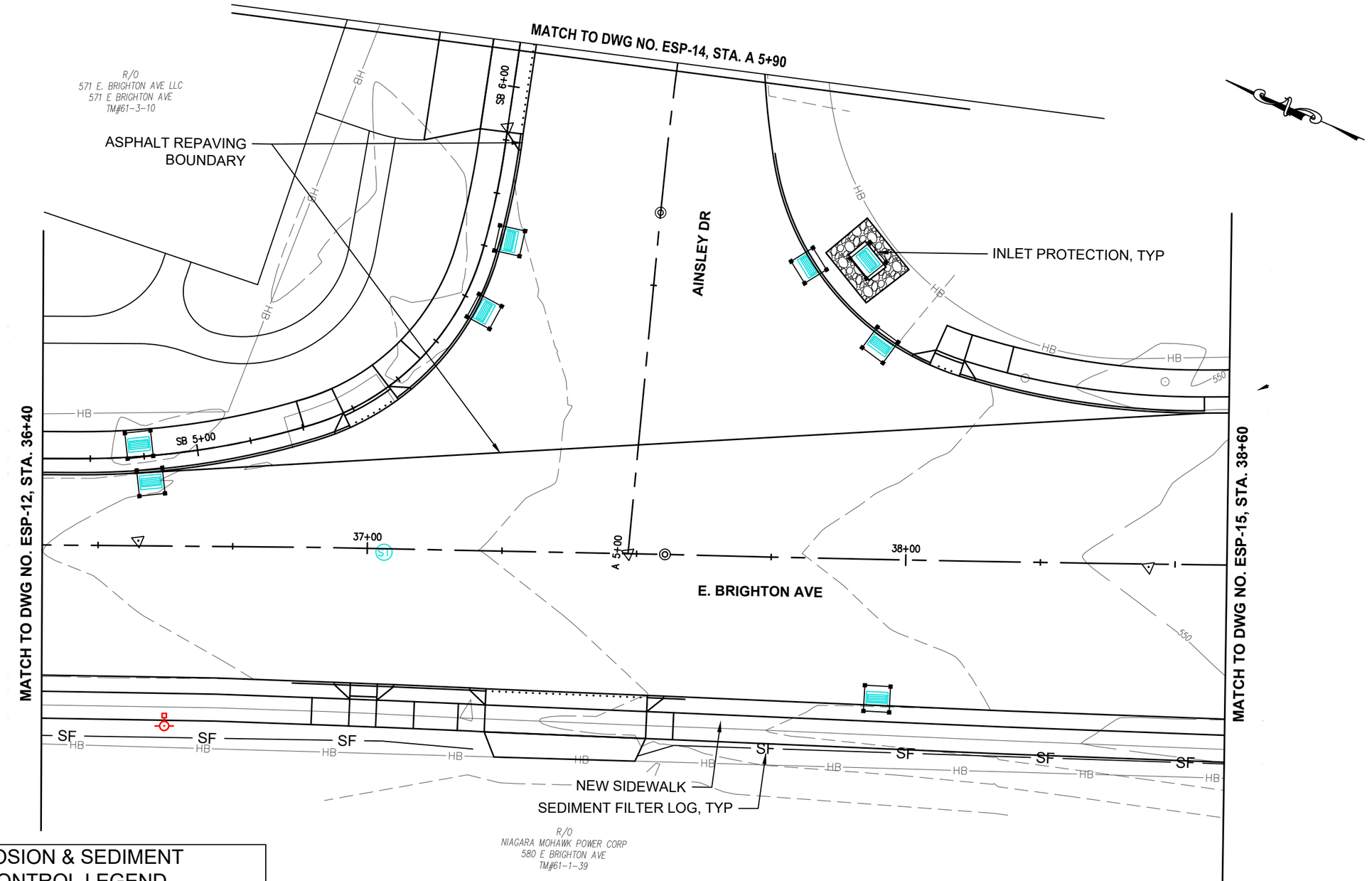
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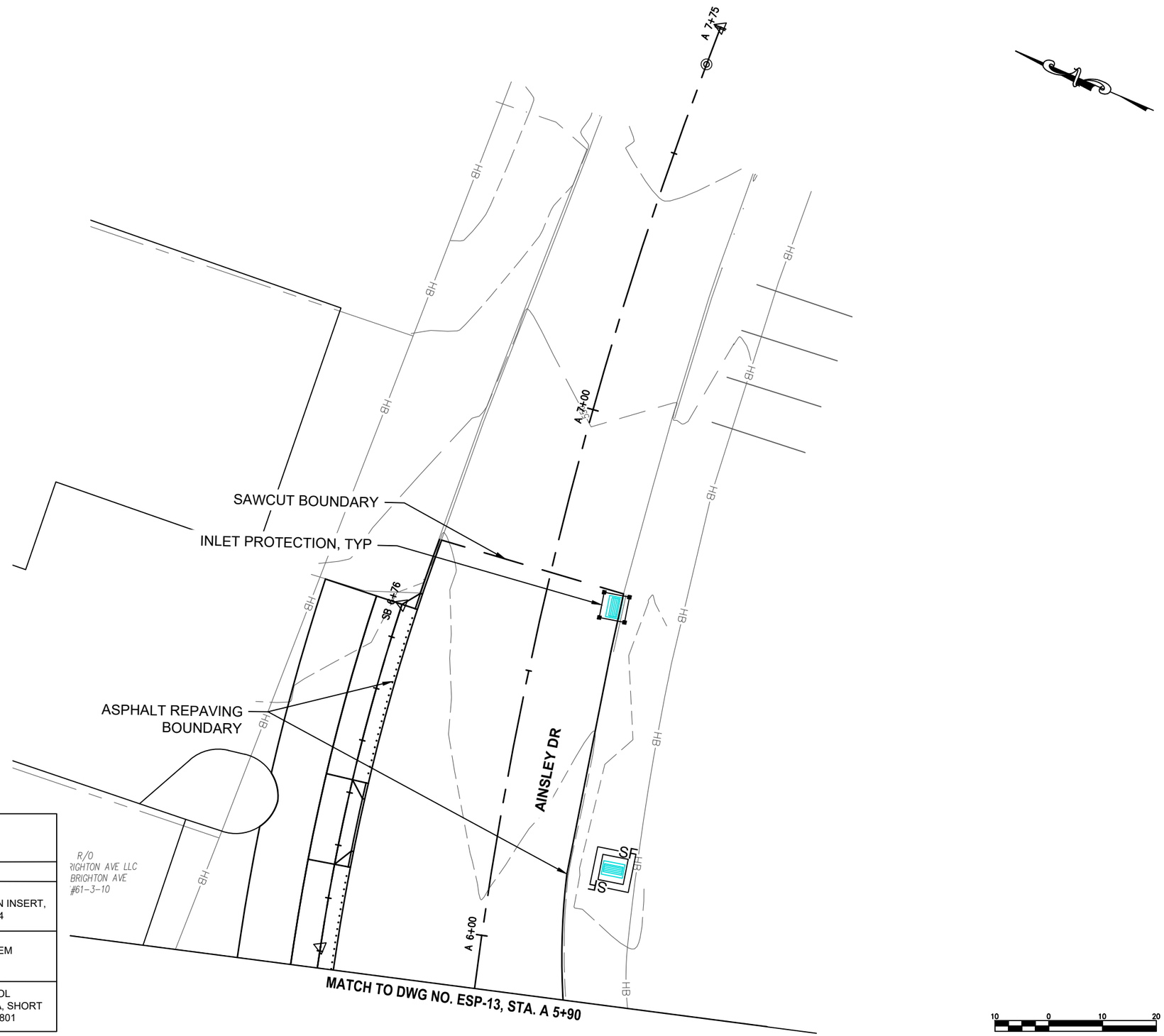
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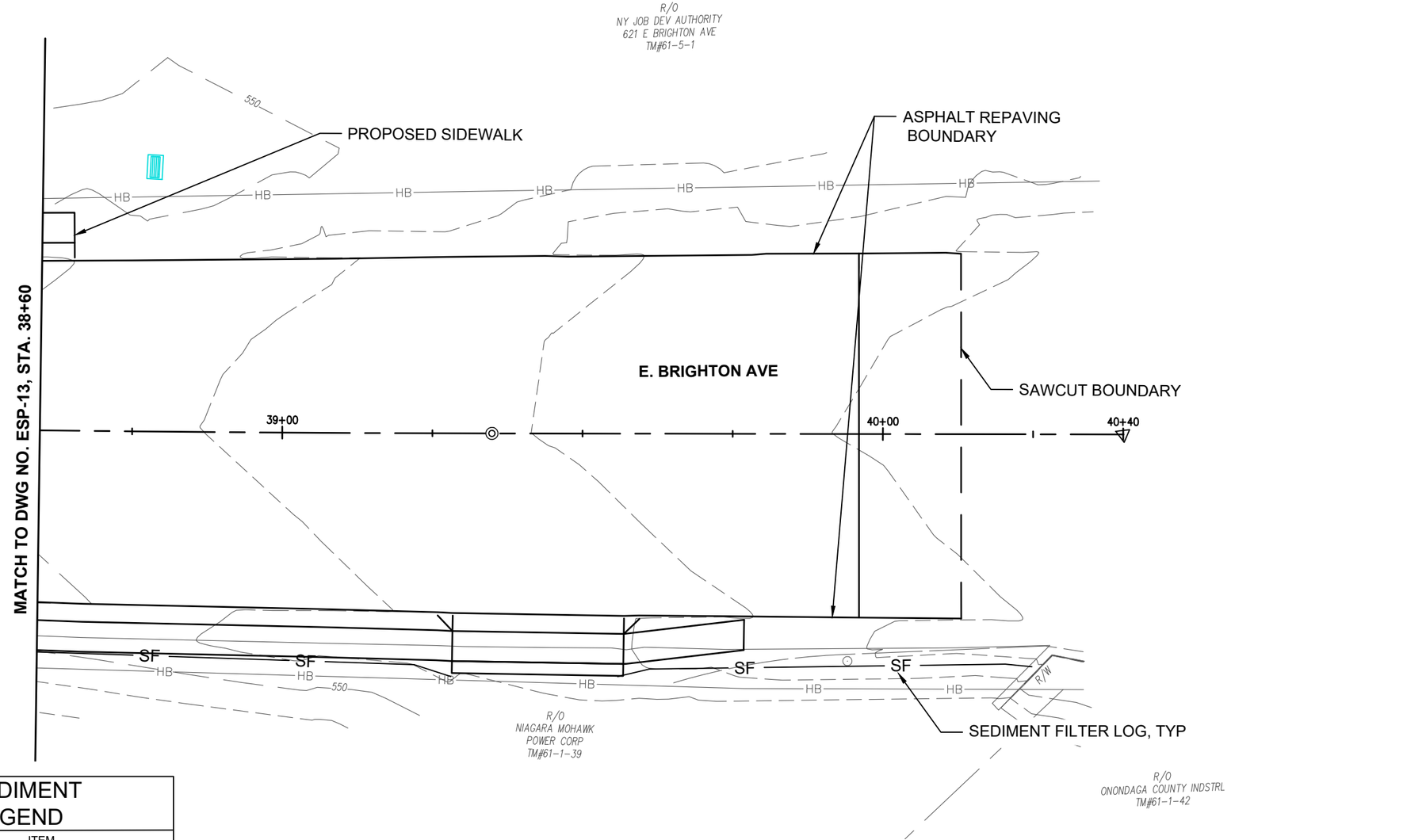
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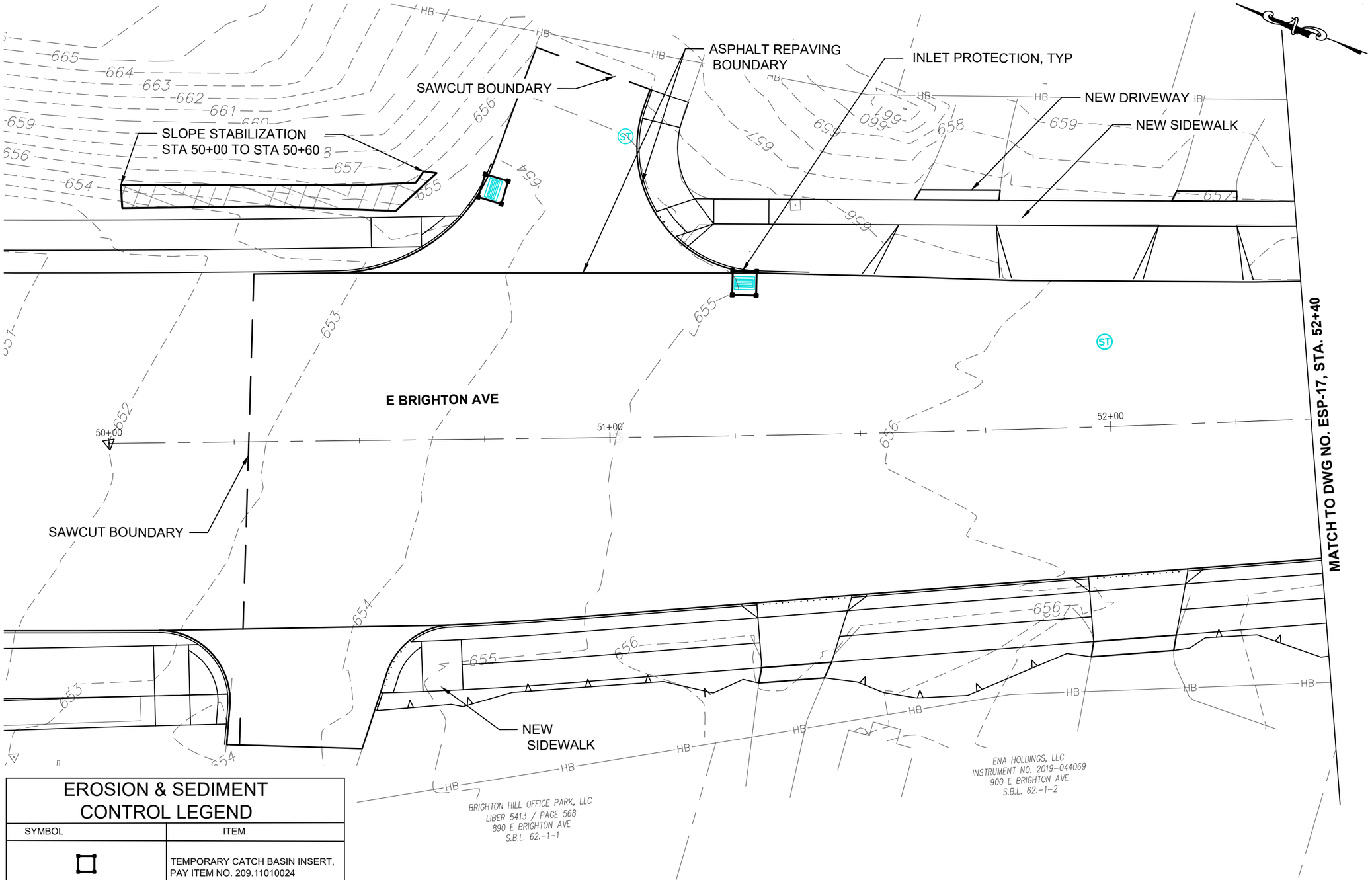
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911 E BRIGHTON AVE
S.B.L. 62.-2-28

MARY BETH FREY
LIBER 4885 / PAGE 900
915 E BRIGHTON AVE
S.B.L. 62.-2-27

NEIL C. BURNSIDE, JR.
LIBER 4360 / PAGE 171
101 INTREPID LANE
S.B.L. 62.-2-26

MATCH TO DWG NO. ESP-16, STA. 52+40

MATCH TO DWG NO. ESP-18, STA. 54+90

53+00

54+00

E BRIGHTON AVE

NEW SIDEWALK

NEW DRIVEWAY

INLET PROTECTION, TYP

ASPHALT REPAVING BOUNDARY

FARKO & SEFIKA CUSTIC
LIBER 4756 / PAGE 290
916 E BRIGHTON AVE
S.B.L. 62.-1-4

CUSTIC FARKO
924 E BRIGHTON AVE
S.B.L. 62.-1-5

BRUCE P. HEANEY
LIBER 5346 / PAGE 572
930 E BRIGHTON AVE
S.B.L. 62.-1-6

AMY M. SCRO &
JAMIE R. HENNESSY
LIBER 5431 / PAGE 358
934 E BRIGHTON AVE
S.B.L. 62.-1-7

EROSION & SEDIMENT CONTROL LEGEND

SYMBOL	ITEM
	TEMPORARY CATCH BASIN INSERT, PAY ITEM NO. 209.11010024
SF	SEDIMENT FILTER LOG, ITEM 209.2301
	ROLLED EROSION CONTROL PRODUCT, CLASS I TYPE A, SHORT TERM, PAY ITEM NO. 209.1801

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THURBER STREET TO CITY LIMITS

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

D040386

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	JK
DESIGNED BY:	RS
CHECKED BY:	TFJD

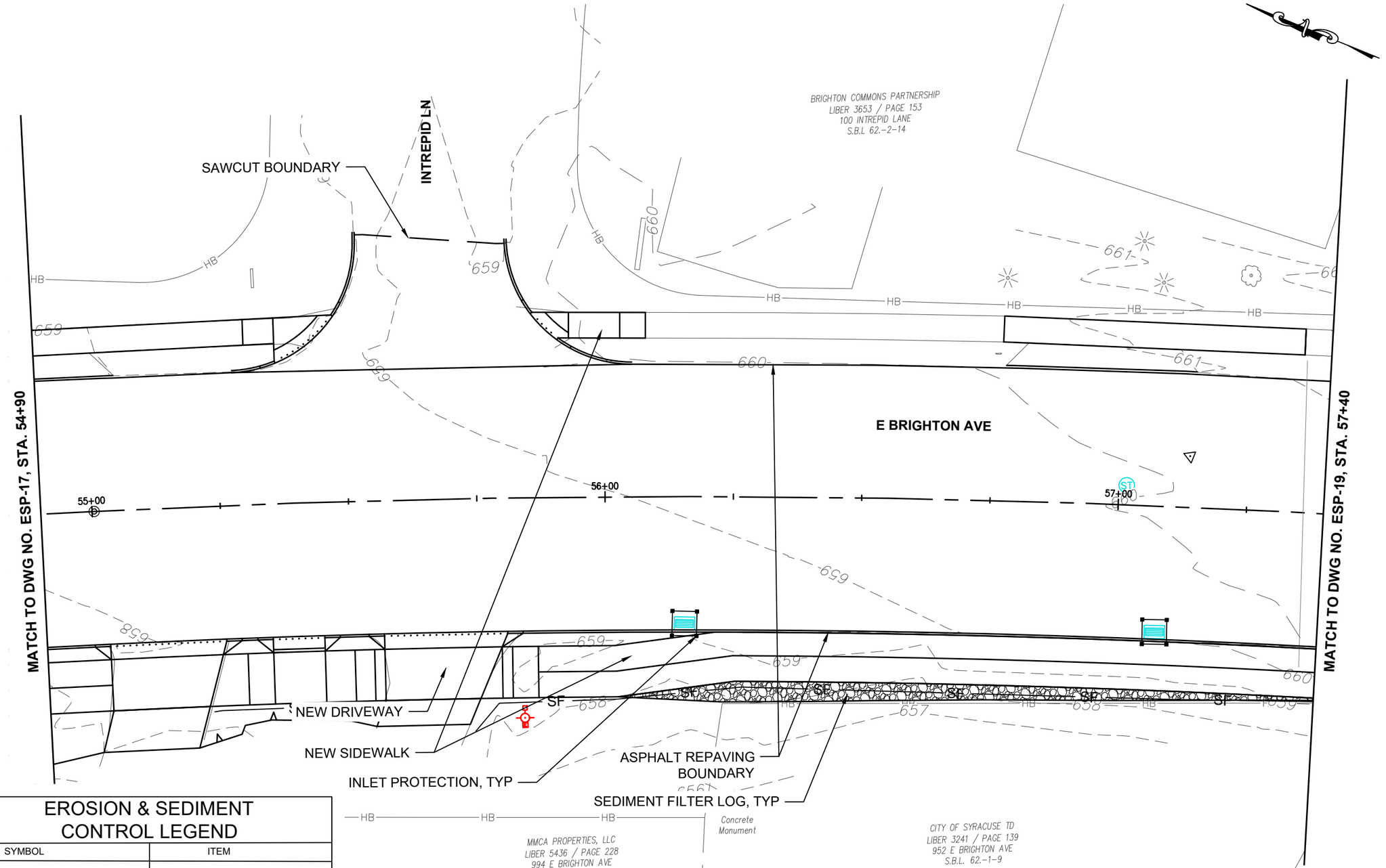
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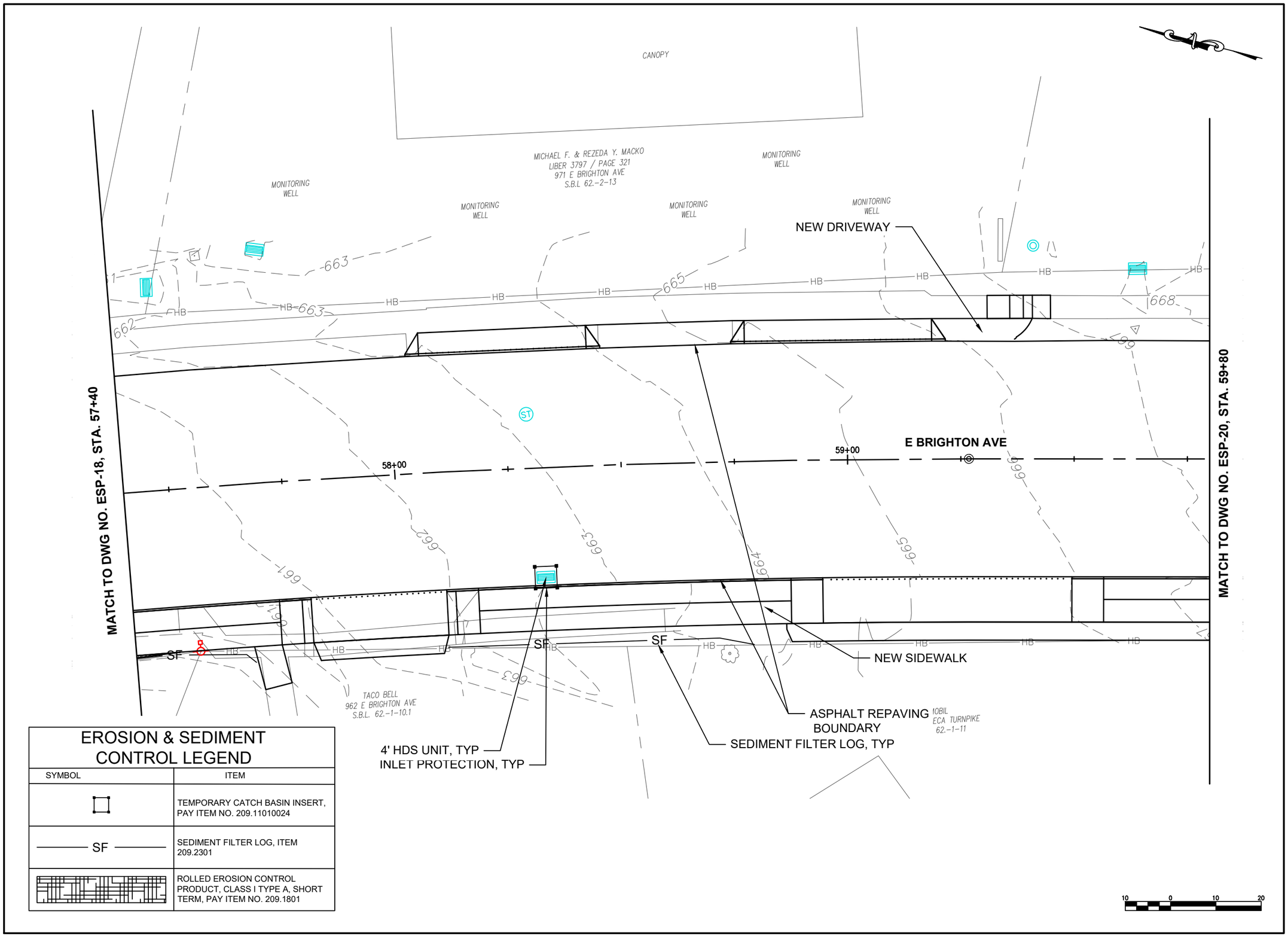
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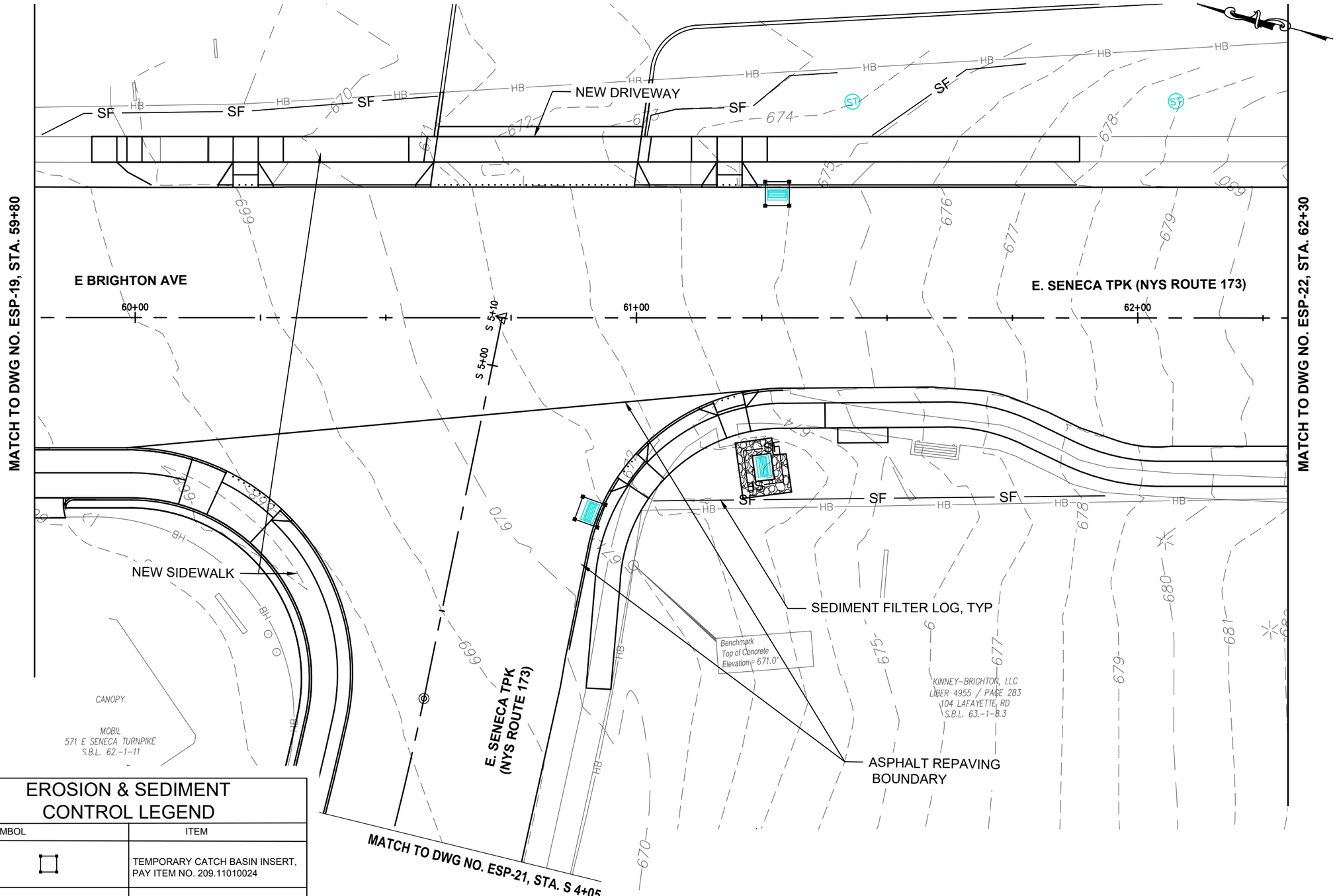
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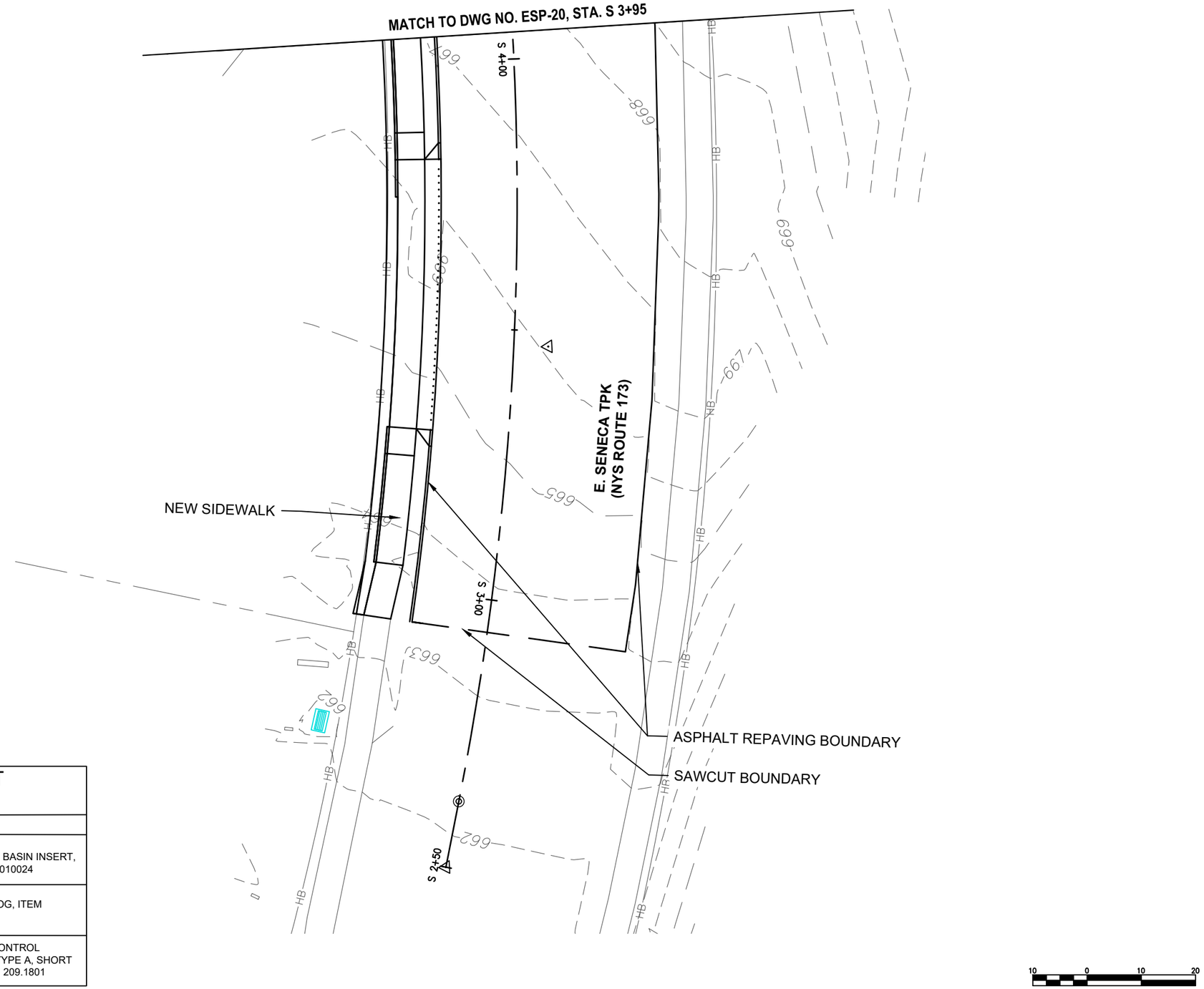
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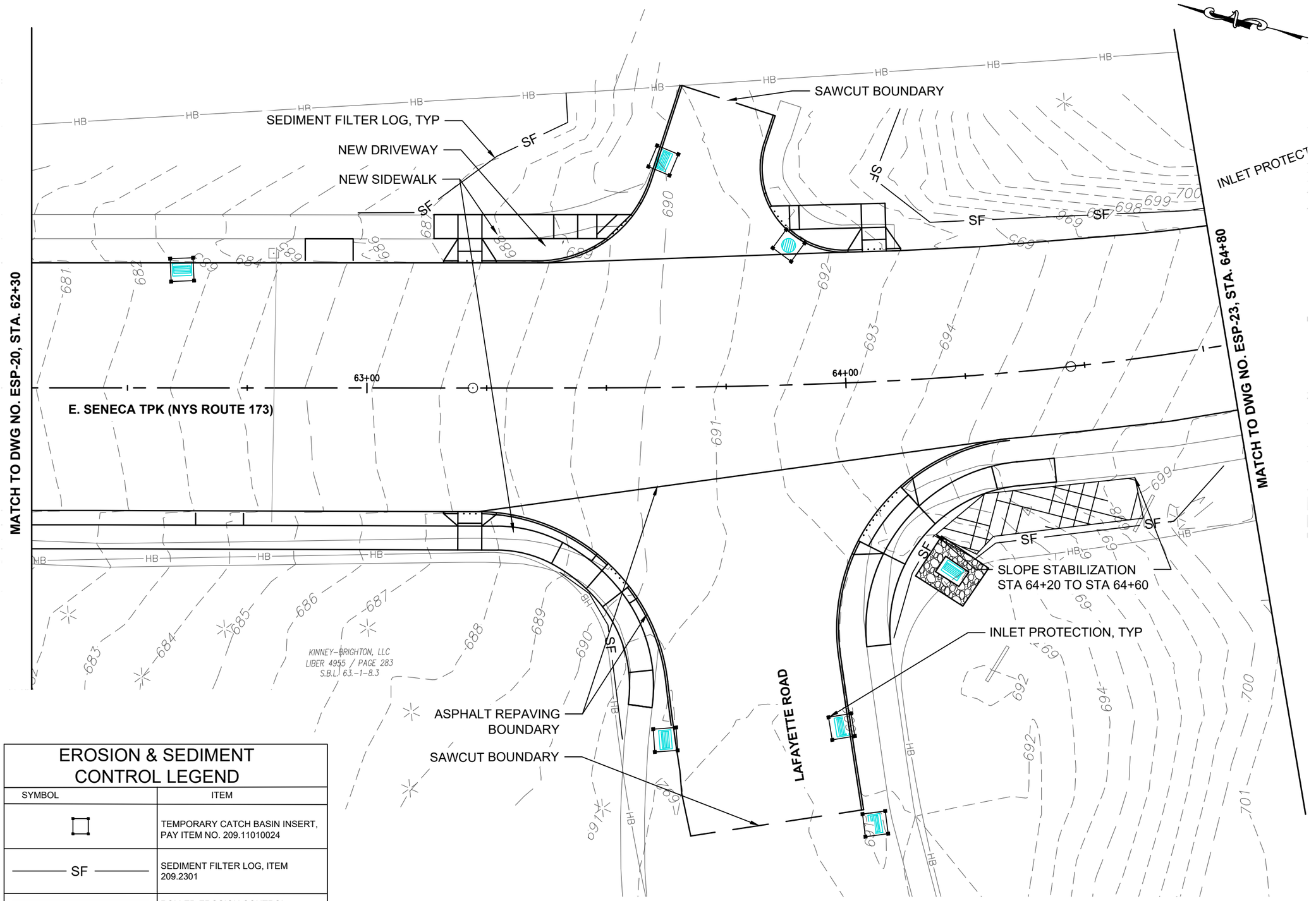
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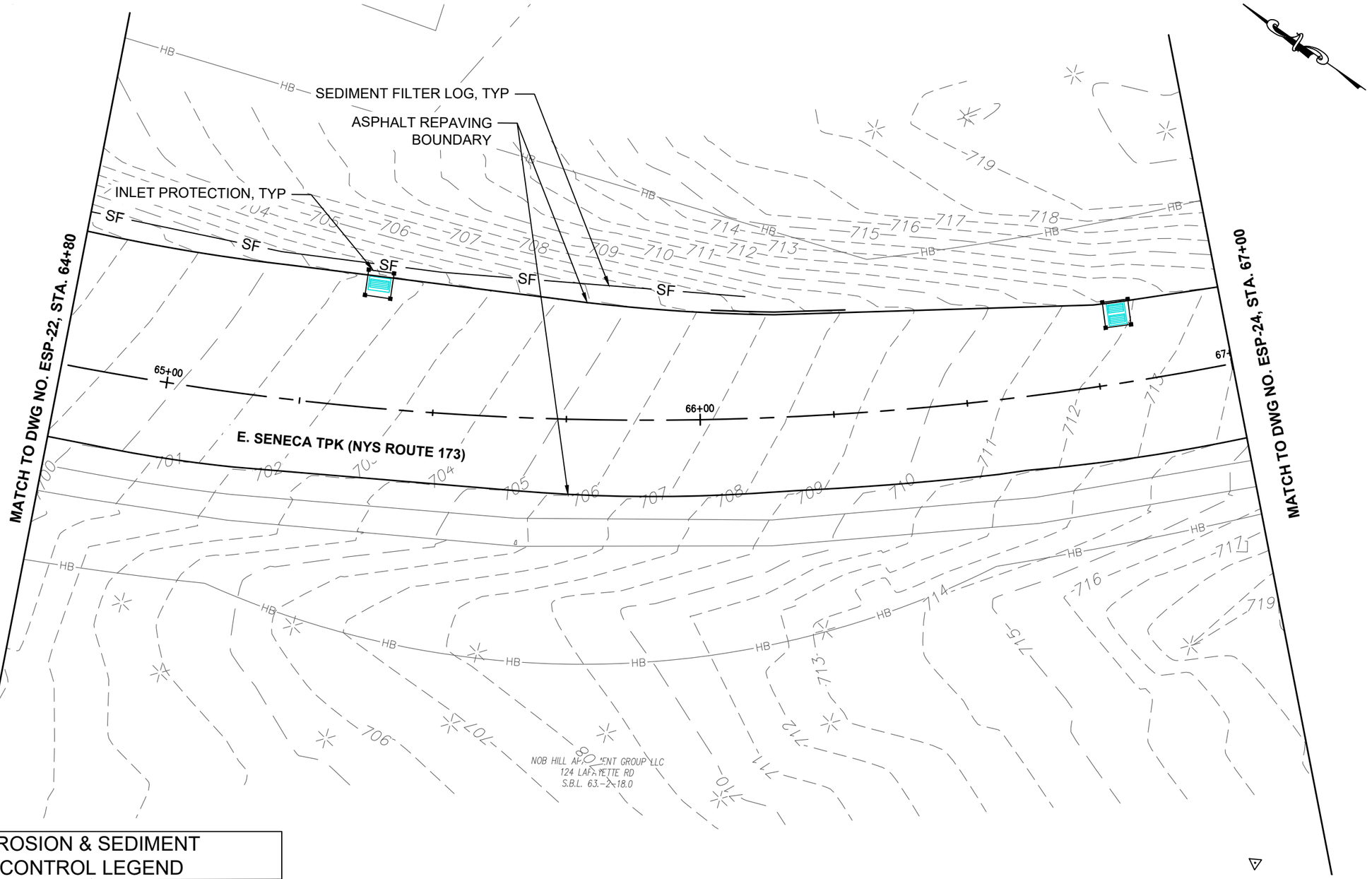
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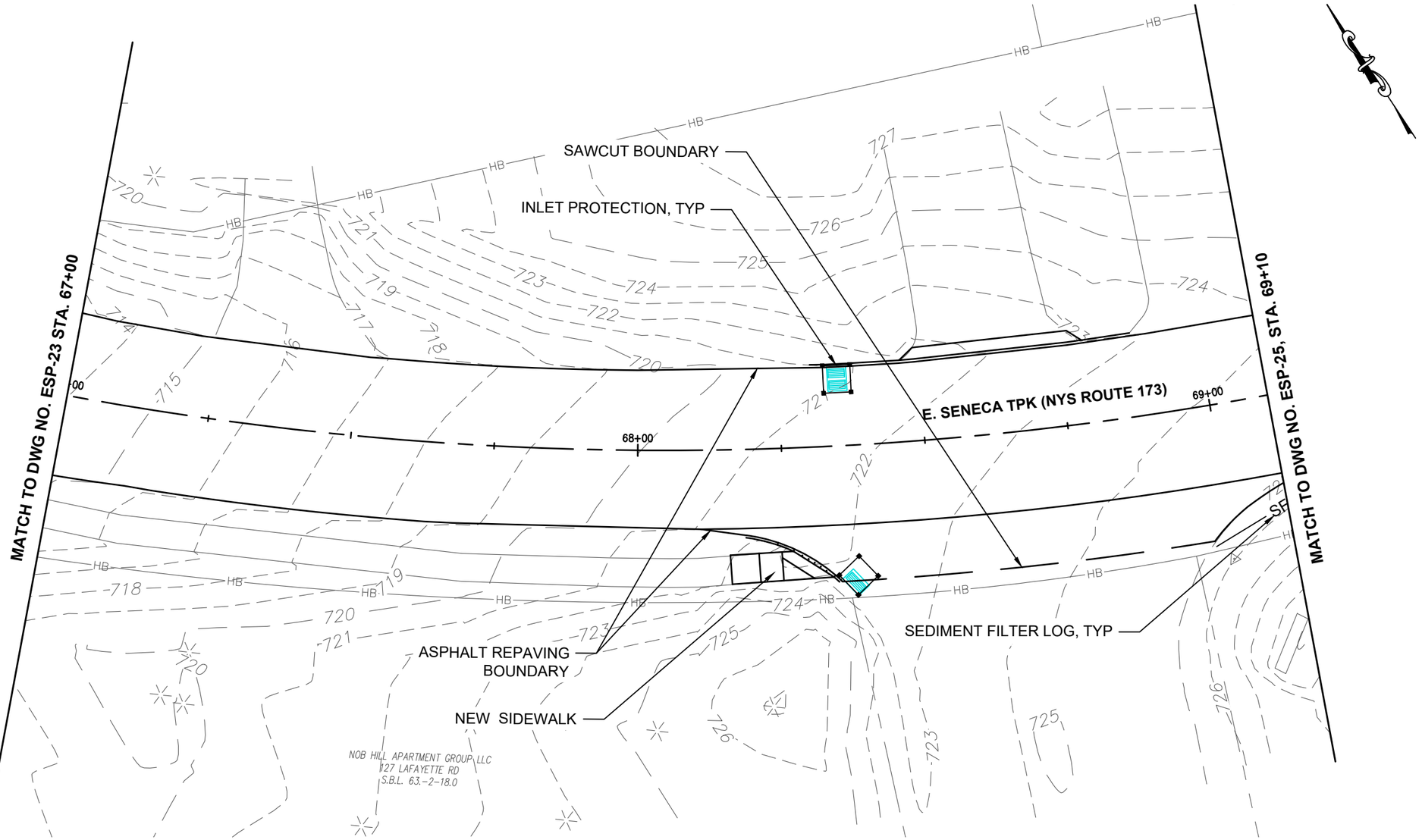
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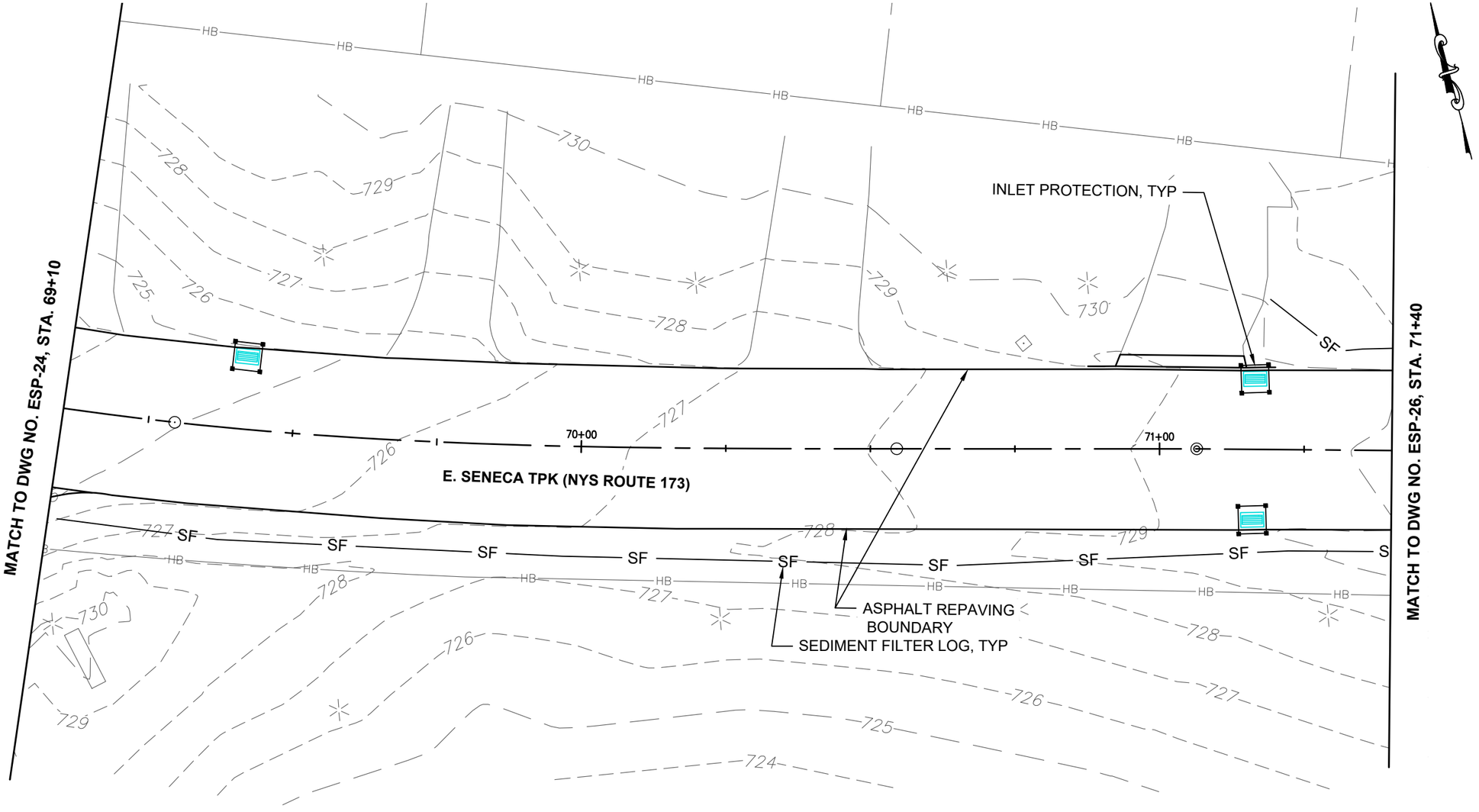
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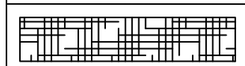
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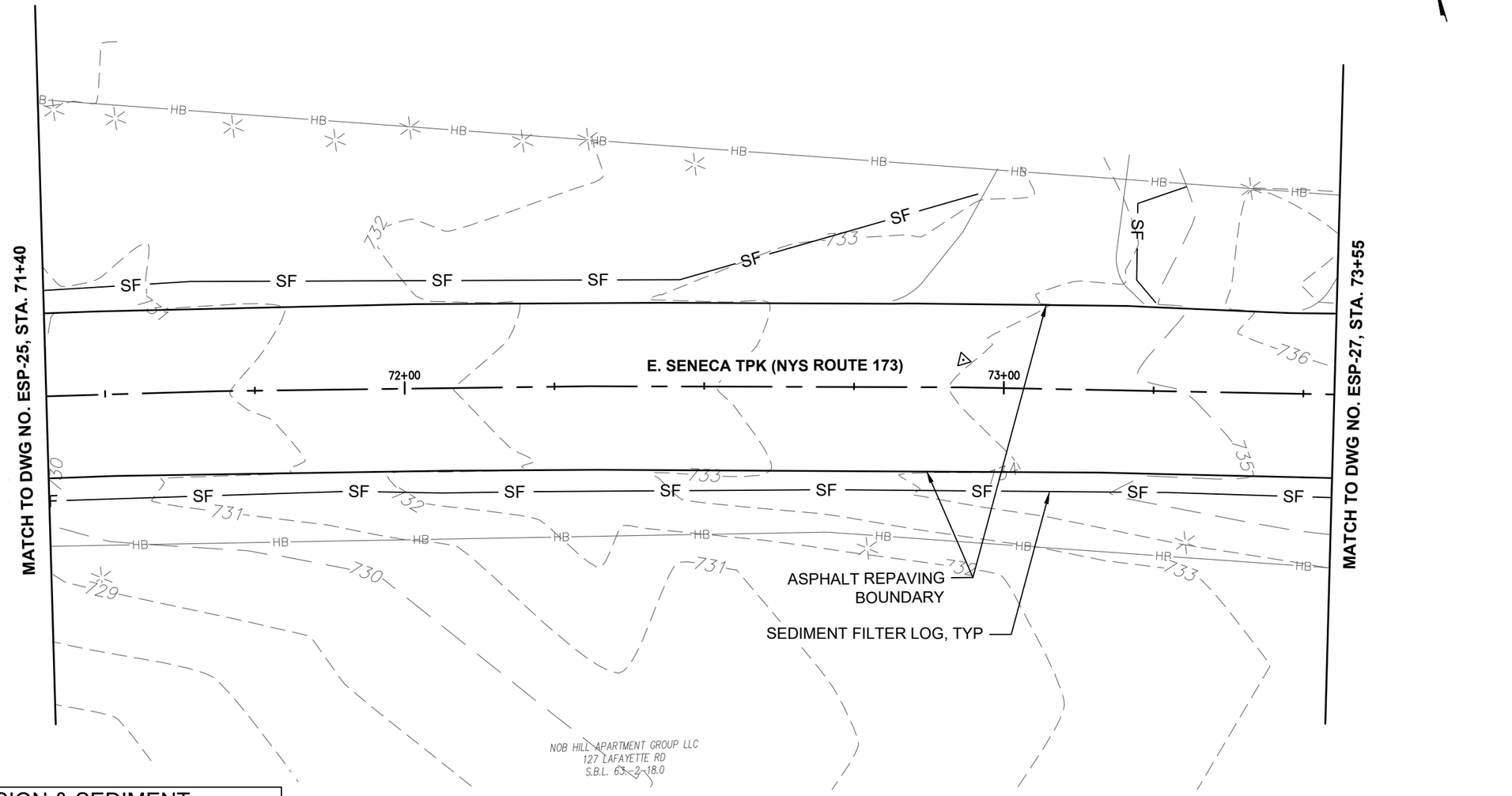
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LIBER 2434 / PAGE 910
695 E SENECA TURNPIKE
S.B.L 62.-2-3

PRV VAULT

CORDELLE DEVELOPMENT CORPORATION
LIBER 5387 / PAGE 637
E SENECA TURNPIKE
S.B.L 32.-1-9.3

INLET PROTECTION, TYP

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74+00

75+00

75+50

E. SENECA TPK
(NYS ROUTE 173)

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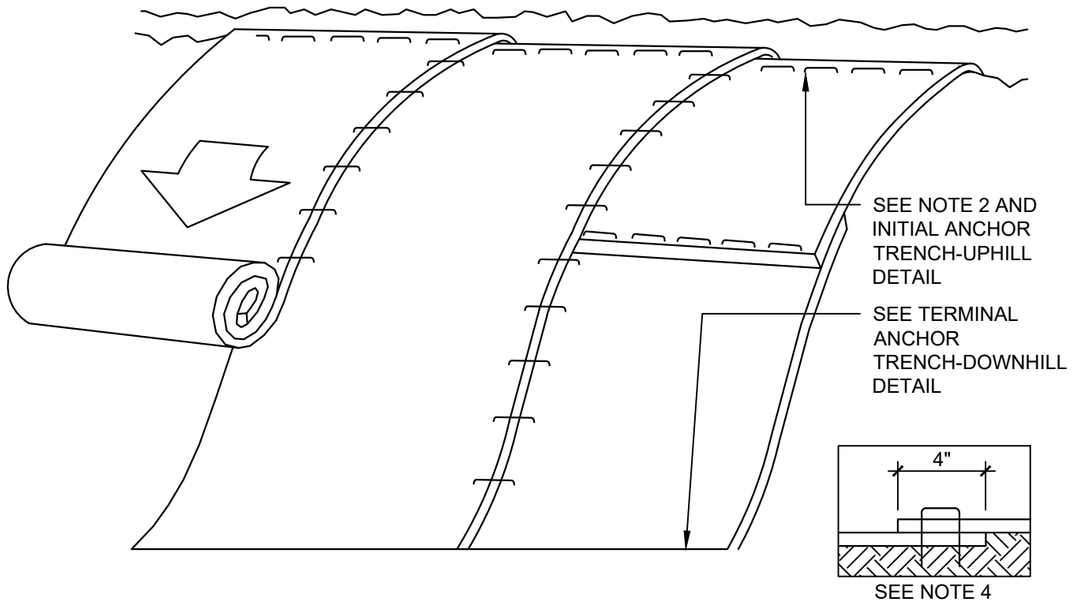
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PERSPECTIVE VIEW

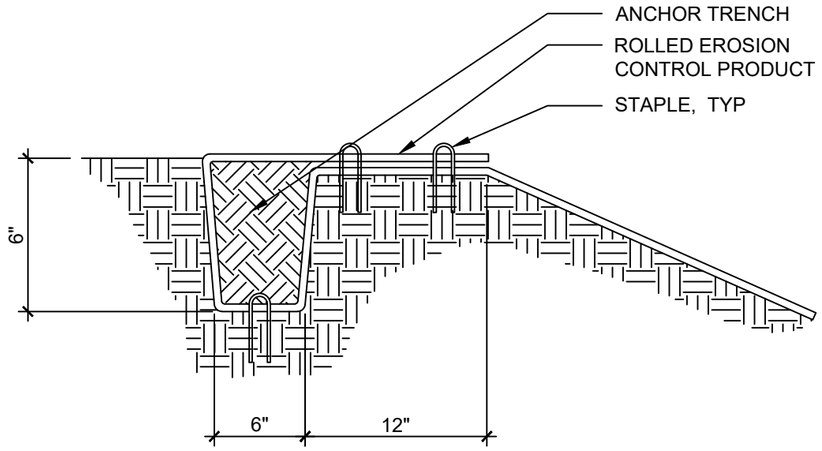
NOTES:

1. TURF REINFORCEMENT MAT (TRM) SHALL BE TENSAR NORTH AMERICAN GREEN SC-150, OR APPROVED EQUAL.
2. PREPARE SOIL BEFORE INSTALLING TRM INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
3. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE TRM IN A TRENCH, AS SHOWN ON THE INITIAL ANCHOR TRENCH-UPHILL DETAIL. ANCHOR THE TRM WITH A ROW OF STAPLES APPROXIMATELY 12" APART IN THE BOTTOM OF TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF TRM BACK OVER THE SEED AND COMPACTED SOIL. SECURE TRM OVER COMPACTED SOIL WITH A ROW OF STAPLES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE ROLLED EROSION CONTROL PRODUCTS.
4. ROLL THE TRM DOWN THE SLOPE. TRM WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL TRM MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE PROVIDED BY MANUFACTURER.
5. THE EDGES OF PARALLEL TRM MUST BE STAPLED WITH 4" MINIMUM OVERLAP. OVERLAP PER MANUFACTURER'S INSTRUCTIONS.
6. CONSECUTIVE TRM SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH A 4" MINIMUM OVERLAP. STAPLE THROUGH OVERLAPPED AREA APPROXIMATELY 12" APART ACROSS ENTIRE TRM WIDTH. NOTE: IN LOOSE SOIL CONDITIONS THE USE OF STAPLE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE TRM.
7. REFER TO TERMINAL ANCHOR TRENCH-DOWNHILL DETAIL FOR TERMINAL ANCHOR TRENCH INSTALLATION.

SLOPE STABILIZATION

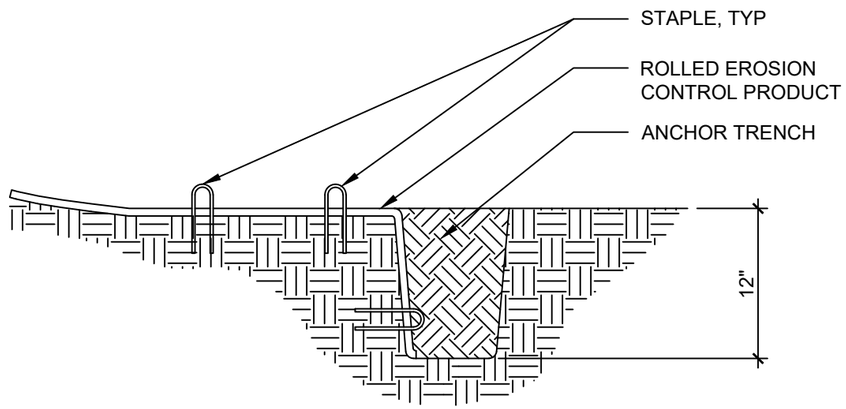
Scale: NTS

PAY ITEM NO. 209.1801



SECTION

INITIAL ANCHOR TRENCH-UPHILL



SECTION

TERMINAL ANCHOR TRENCH-DOWNHILL

ANCHOR TRENCH

Scale: NTS

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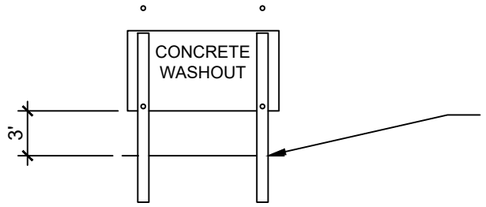
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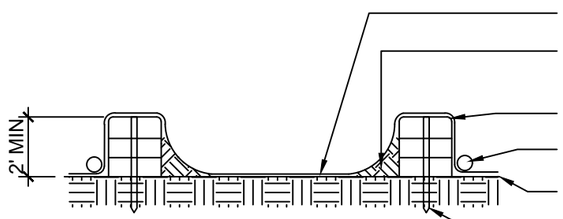
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TEMPORARY CATCH BASIN INSERT



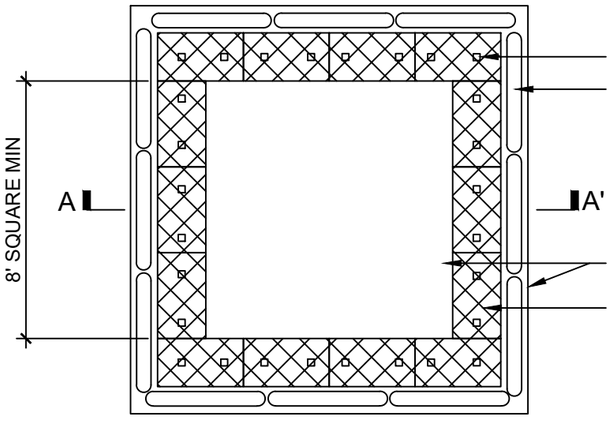
EMBED OR OTHERWISE SECURE SIGN TO STAND UPRIGHT

ELEVATION
CONCRETE WASHOUT SIGN



10 MIL PLASTIC LINING
FILL WITH ONSITE MATERIAL
STRAW BALE
SAND BAG
EXISTING GRADE
STAKE, OR OTHER NYSDEC APPROVED METHOD TO SECURE

SECTION A-A'



STAKE, TYP.
SAND BAG, OR OTHER METHOD TO SECURE PLASTIC
10 MIL PLASTIC LINING
STRAW BALE, TYP.

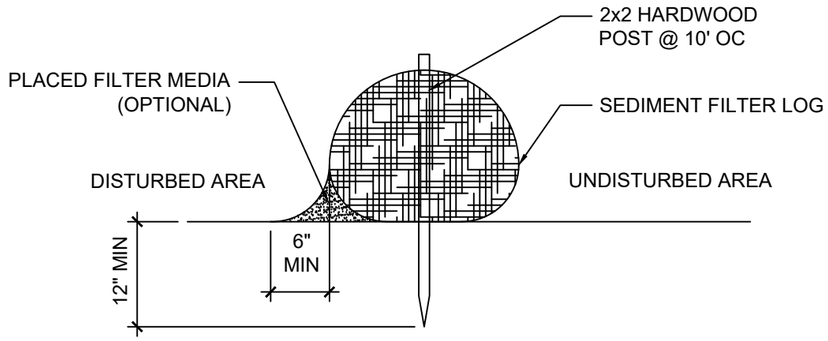
PLAN

NOTES:

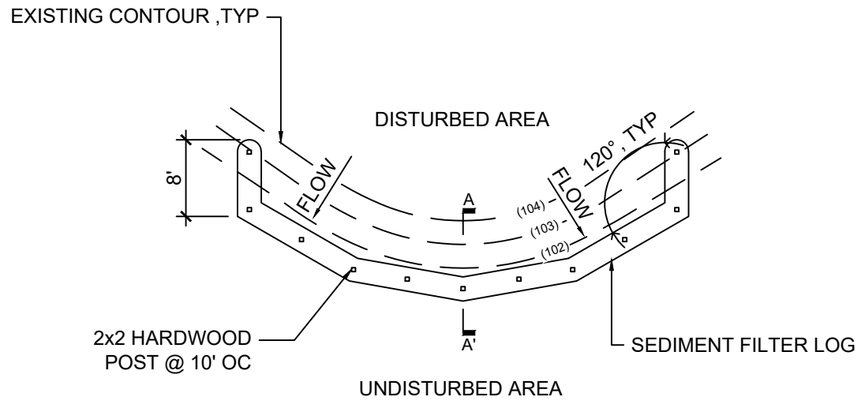
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING, CONSTRUCTION, AND INTEGRITY OF THE WASHOUT. THE CAPACITY OF THE WASHOUT SHALL BE 60 GALLONS PER TRUCK TO BE CLEANED WITHIN THE EXPECTED MAINTENANCE FREQUENCY. ADDITIONAL CAPACITY SHALL BE PROVIDED TO ACCOMMODATE RAINFALL.
2. OTHER METHODS OF CONCRETE WASHOUT CONTAINMENT MAY BE UTILIZED IF APPROVED BY THE OWNER'S REPRESENTATIVE.
3. LOCATE WASHOUT AREA AT LEAST 100' FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES.
4. THE PLASTIC LINING SHALL BE MAINTAINED IN A WATER TIGHT CONDITION AND SHALL BE REPLACED AT EVERY CLEANING.
5. DO NOT ALLOW RUNOFF TO ENTER THIS AREA.
6. THE CONCRETE WASHOUT SIGN SHALL BE PLACED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
7. THERE IS NO SEPARATE PAYMENT FOR THIS DETAIL. COST TO BE INCLUDED IN VARIOUS ITEMS IN THE CONTRACT.

CONCRETE WASHOUT AREA

Scale: NTS TEMPORARY



SECTION A-A'



PLAN

NOTE:

1. SEDIMENT FILTER LOGS SHALL BE PLACED ON THE CONTOUR WITH BOTH TERMINAL ENDS OF THE SOCK EXTENDED 8 FEET UPSLOPE AT A 45° ANGLE TO PREVENT BYPASS FLOW.
2. DIAMETERS DESIGNED FOR USE SHALL BE 12"-32".
3. THE FLAT DIMENSION OF THE LOG SHALL BE AT LEAST 1.5 TIMES THE NOMINAL DIAMETER.
4. SEDIMENT FILTER LOGS SHALL MEET THE REQUIREMENTS OF ITEM 209.2301.

SEDIMENT FILTER LOG

Scale: NTS TEMPORARY

EDR
a better environment
Environmental Design & Research,
Landscape Architecture, Engineering & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1100
Syracuse, New York 13202
P. 315.471.0688

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Syracuse New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT
THURBER STREET TO CITY LIMITS
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	JK
DESIGNED BY:	RS
CHECKED BY:	TFJD

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EROSION AND SEDIMENT CONTROL DETAILS

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LEGEND

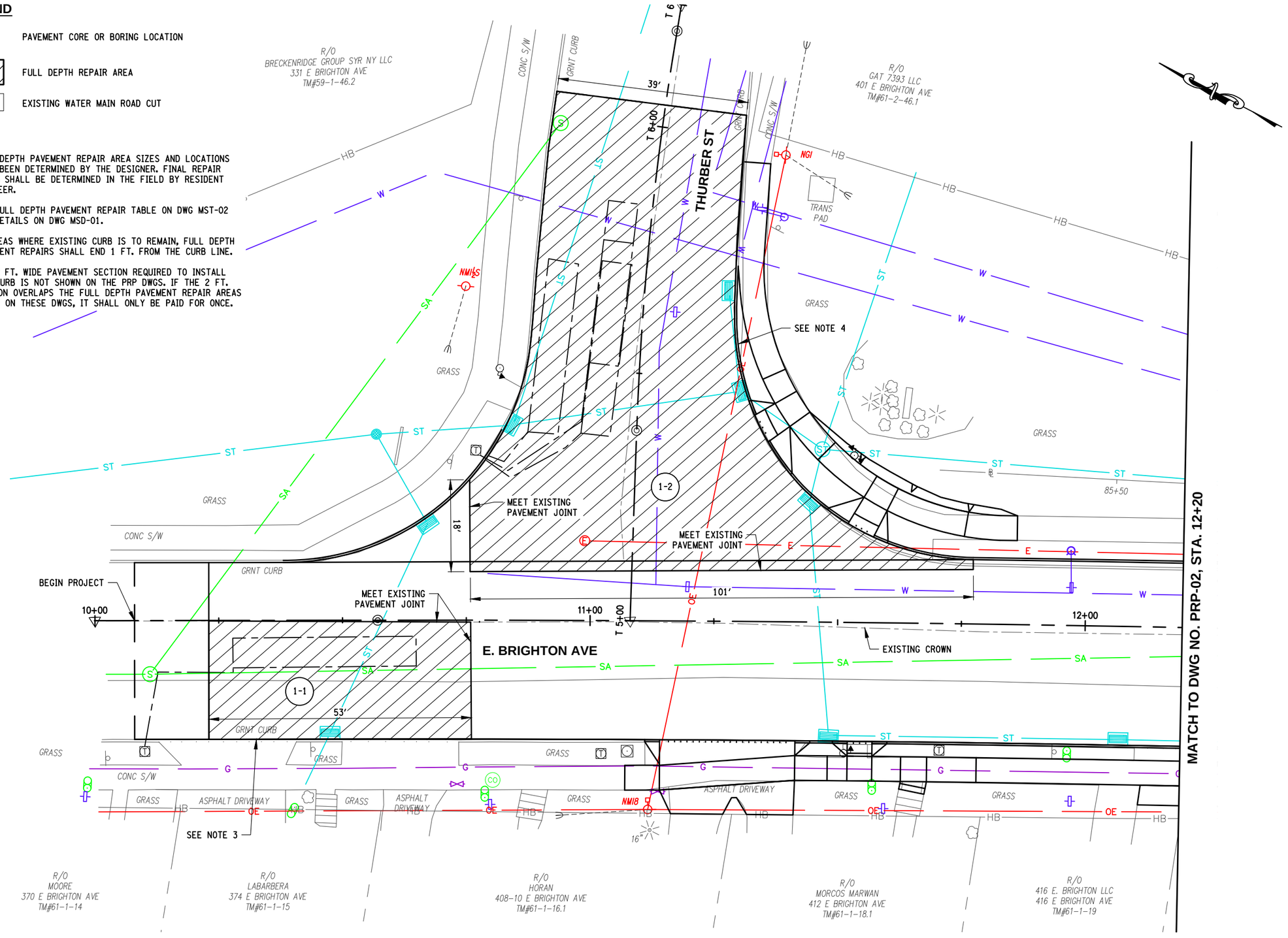
X-XX — PAVEMENT CORE OR BORING LOCATION

(X-X) — FULL DEPTH REPAIR AREA

EXISTING WATER MAIN ROAD CUT

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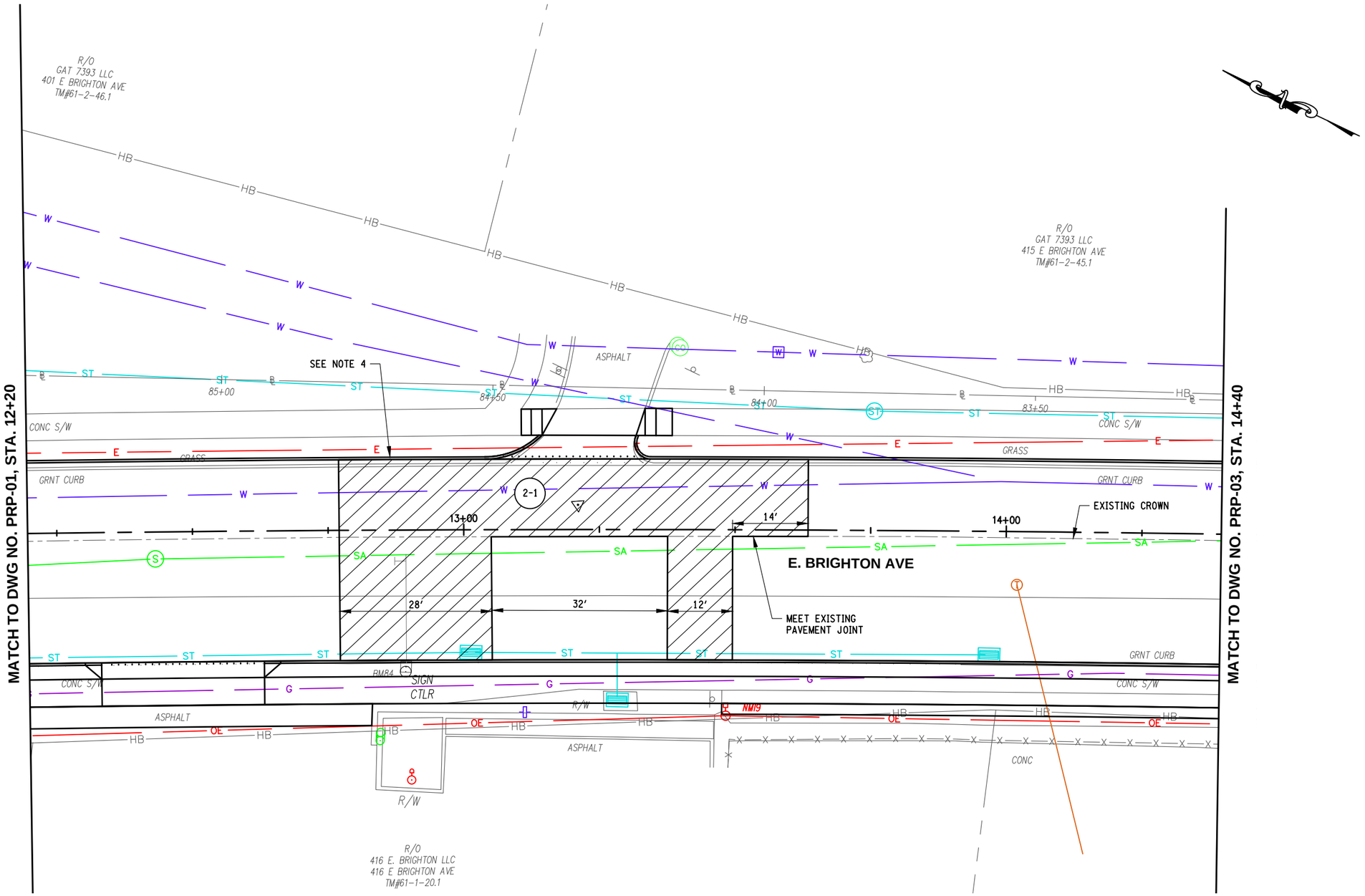
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PAVEMENT REPAIR PLAN

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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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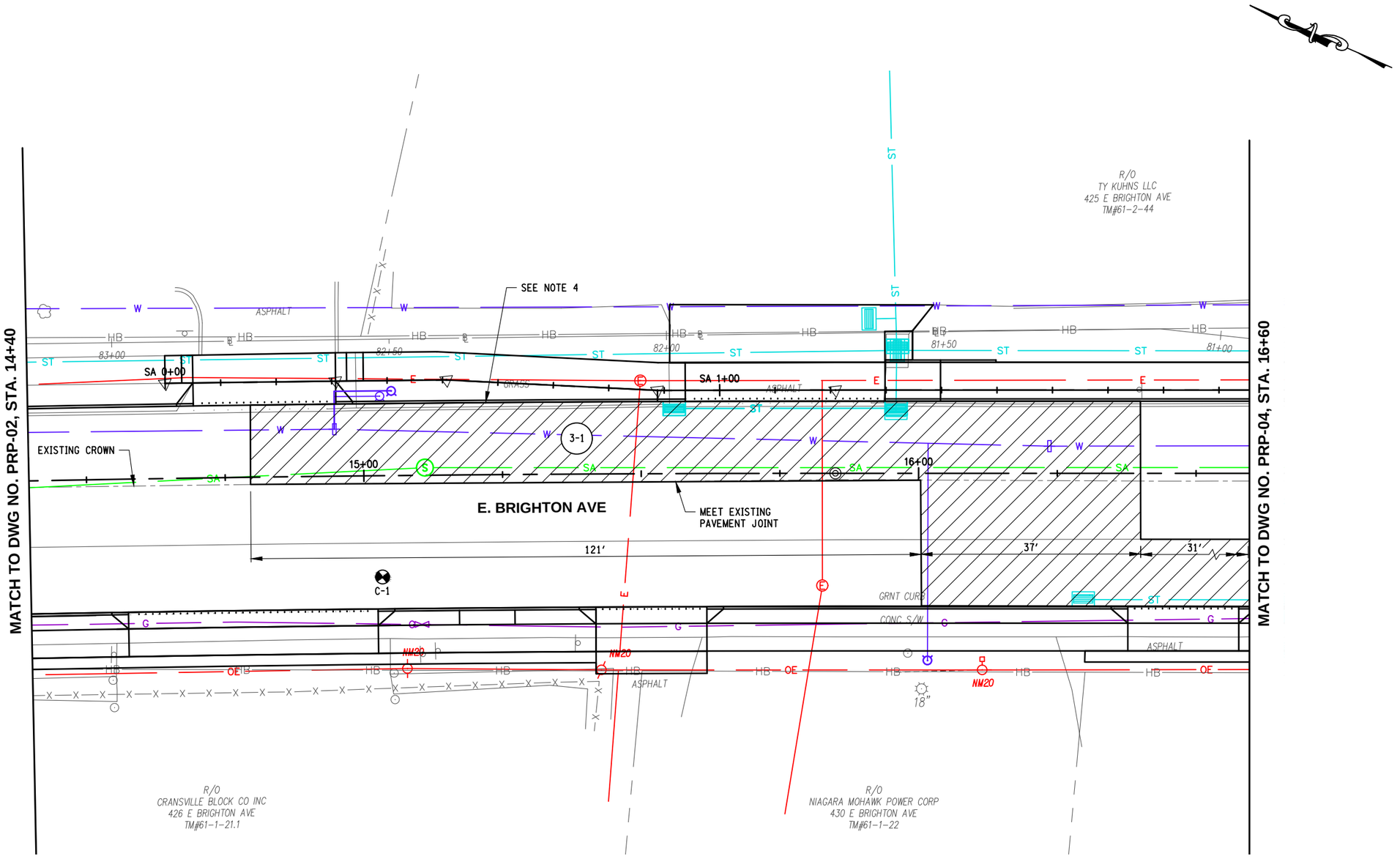
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LEGEND

X-XX	PAVEMENT CORE OR BORING LOCATION
(X-X)	FULL DEPTH REPAIR AREA
	EXISTING WATER MAIN ROAD CUT

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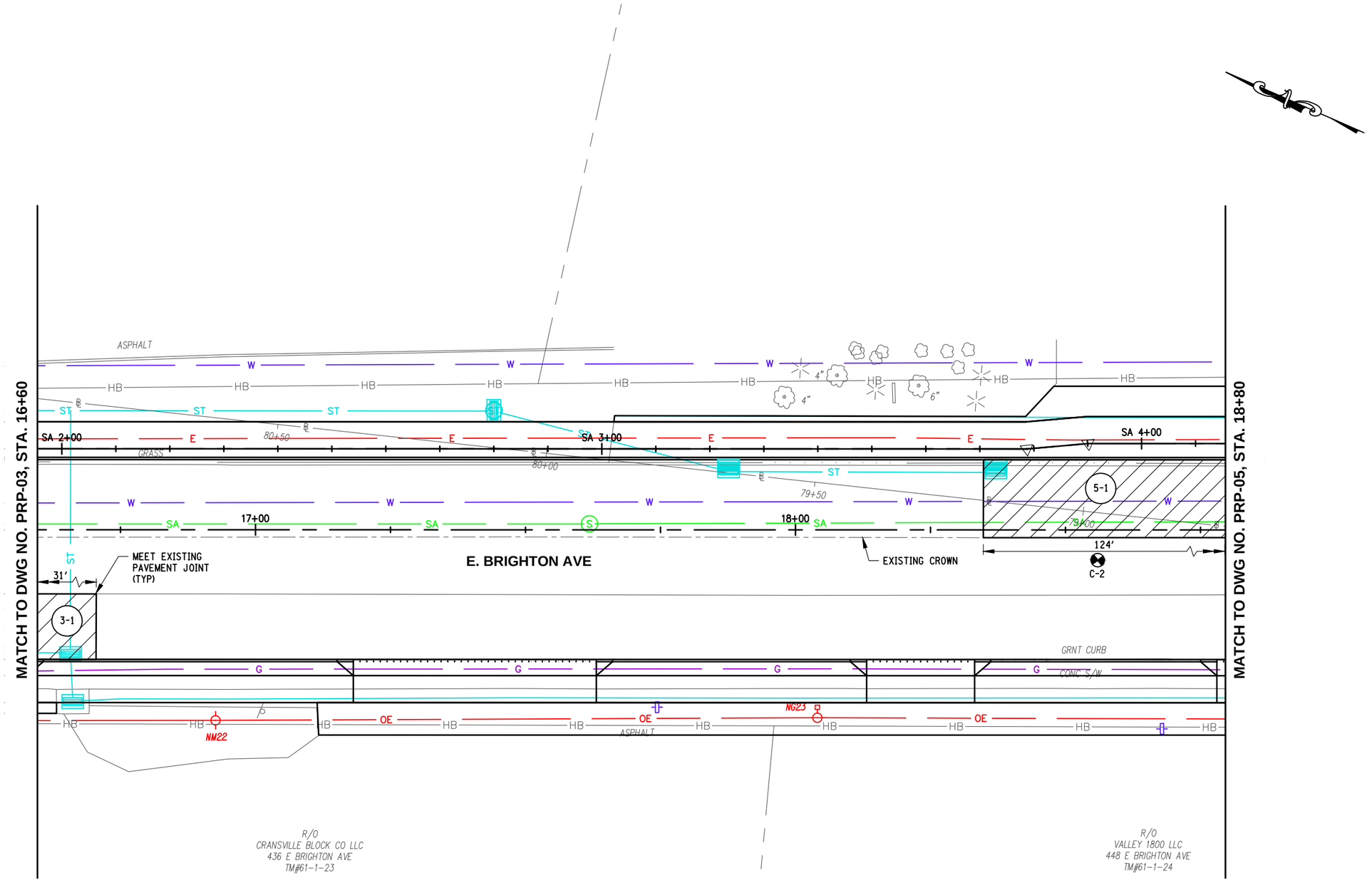
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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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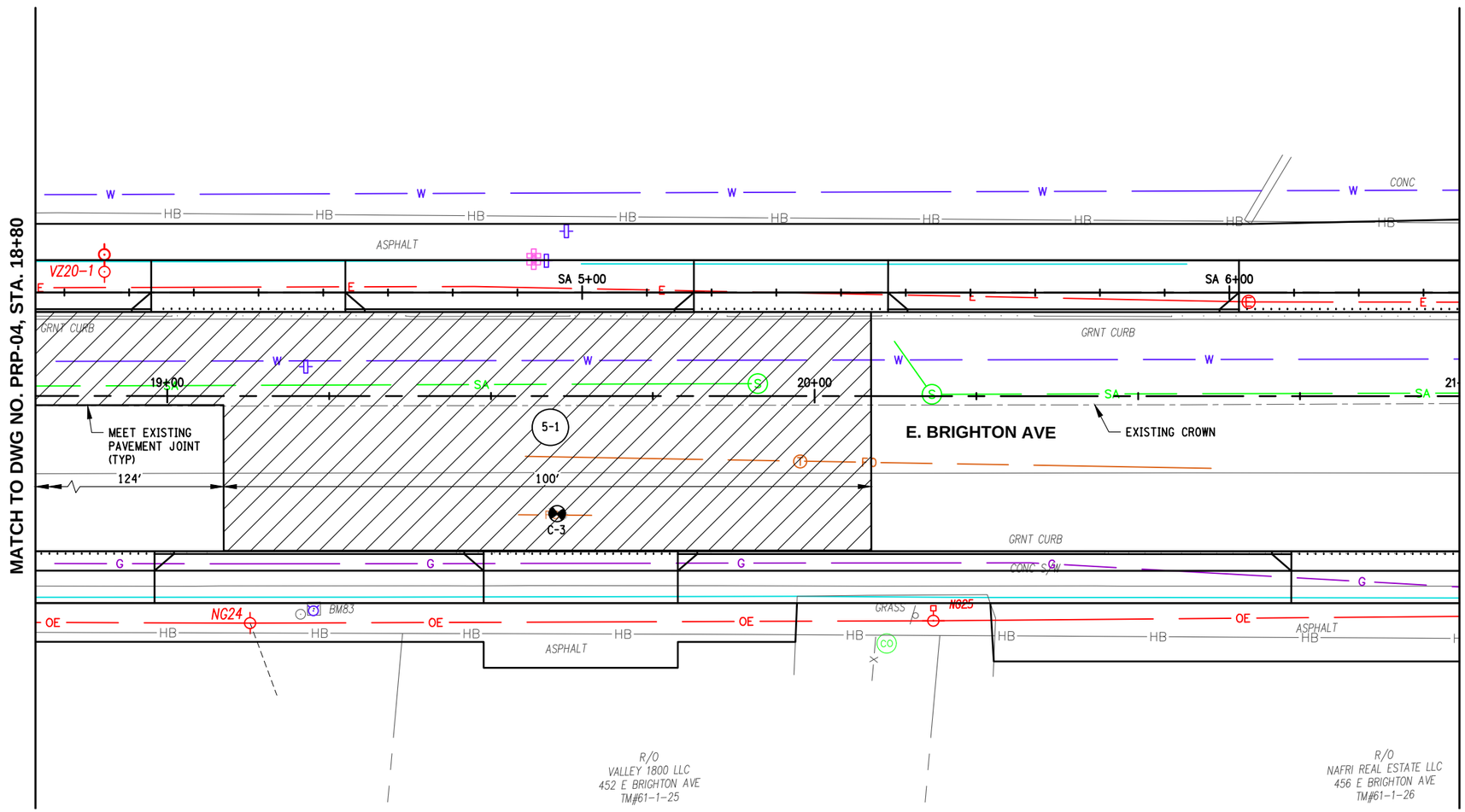
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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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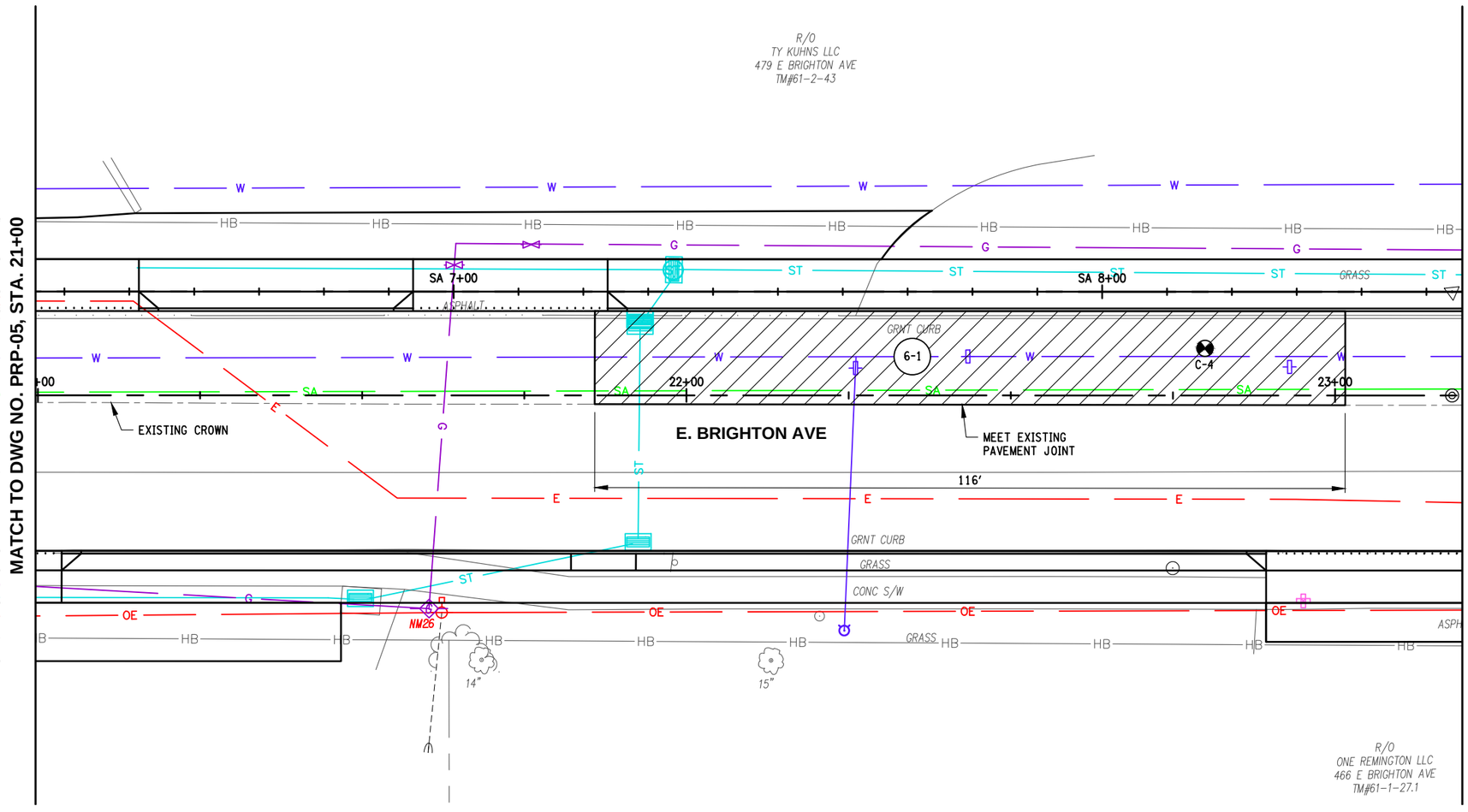
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LEGEND

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- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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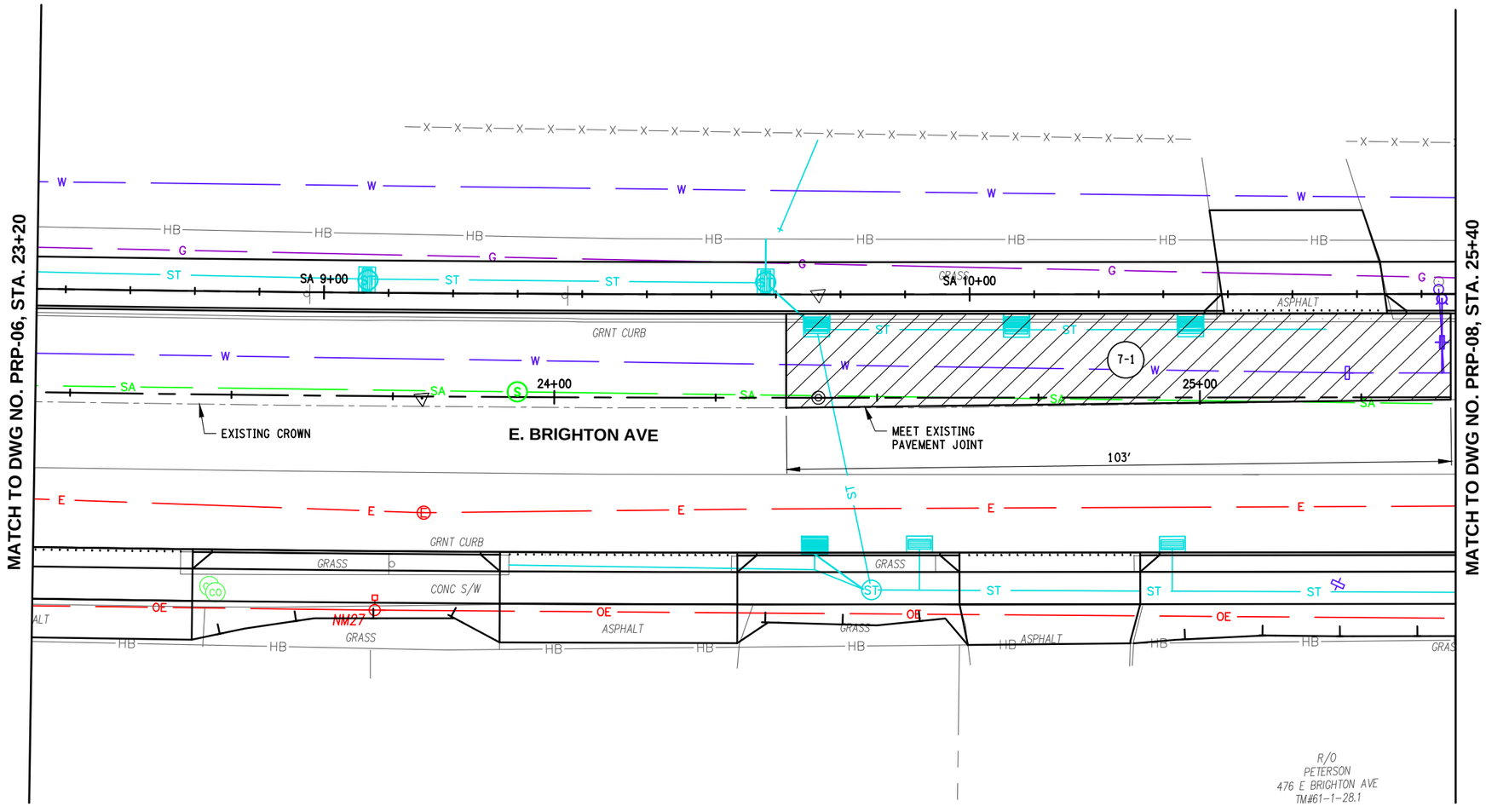
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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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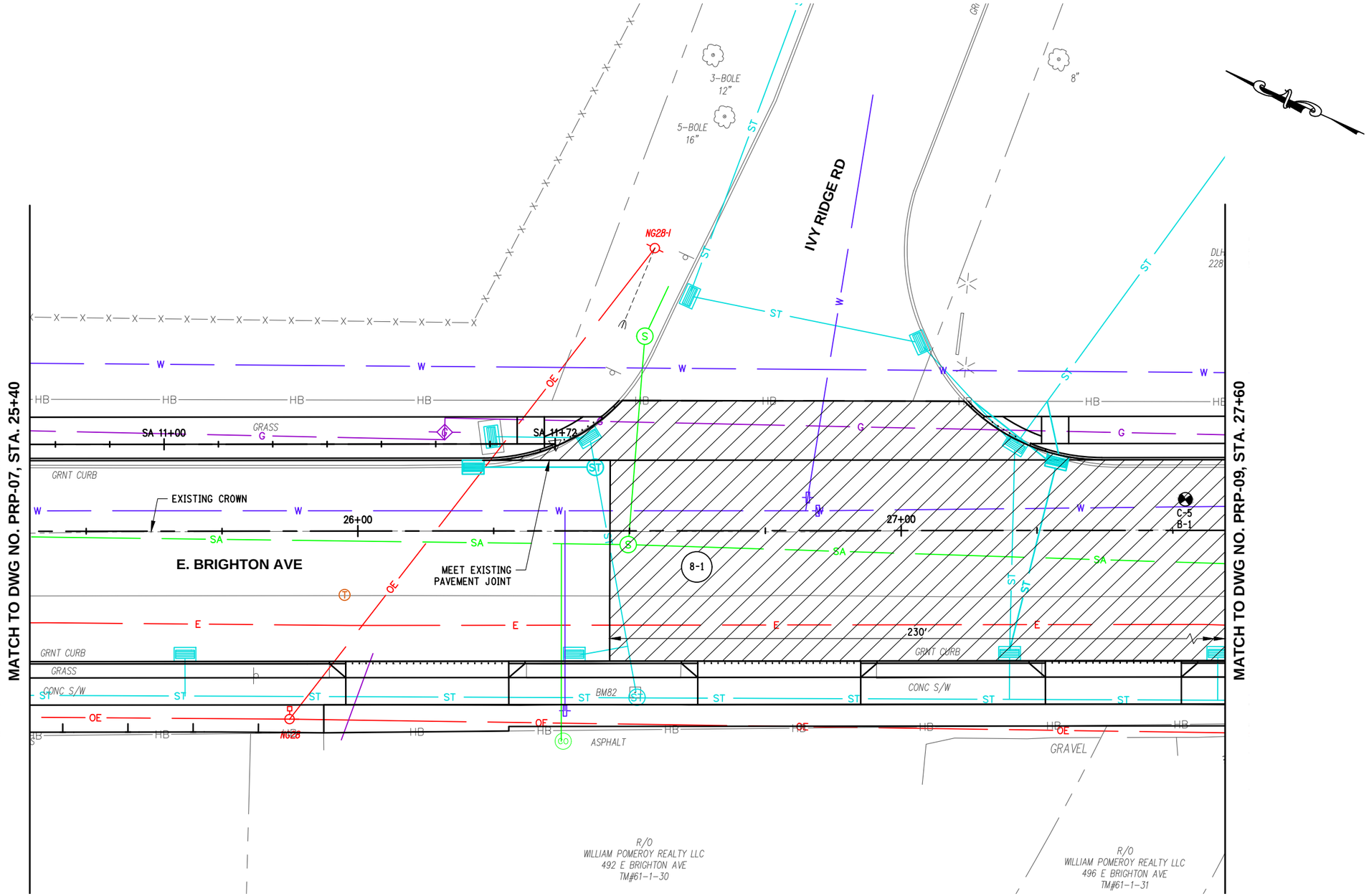
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PAVEMENT REPAIR PLAN

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LEGEND

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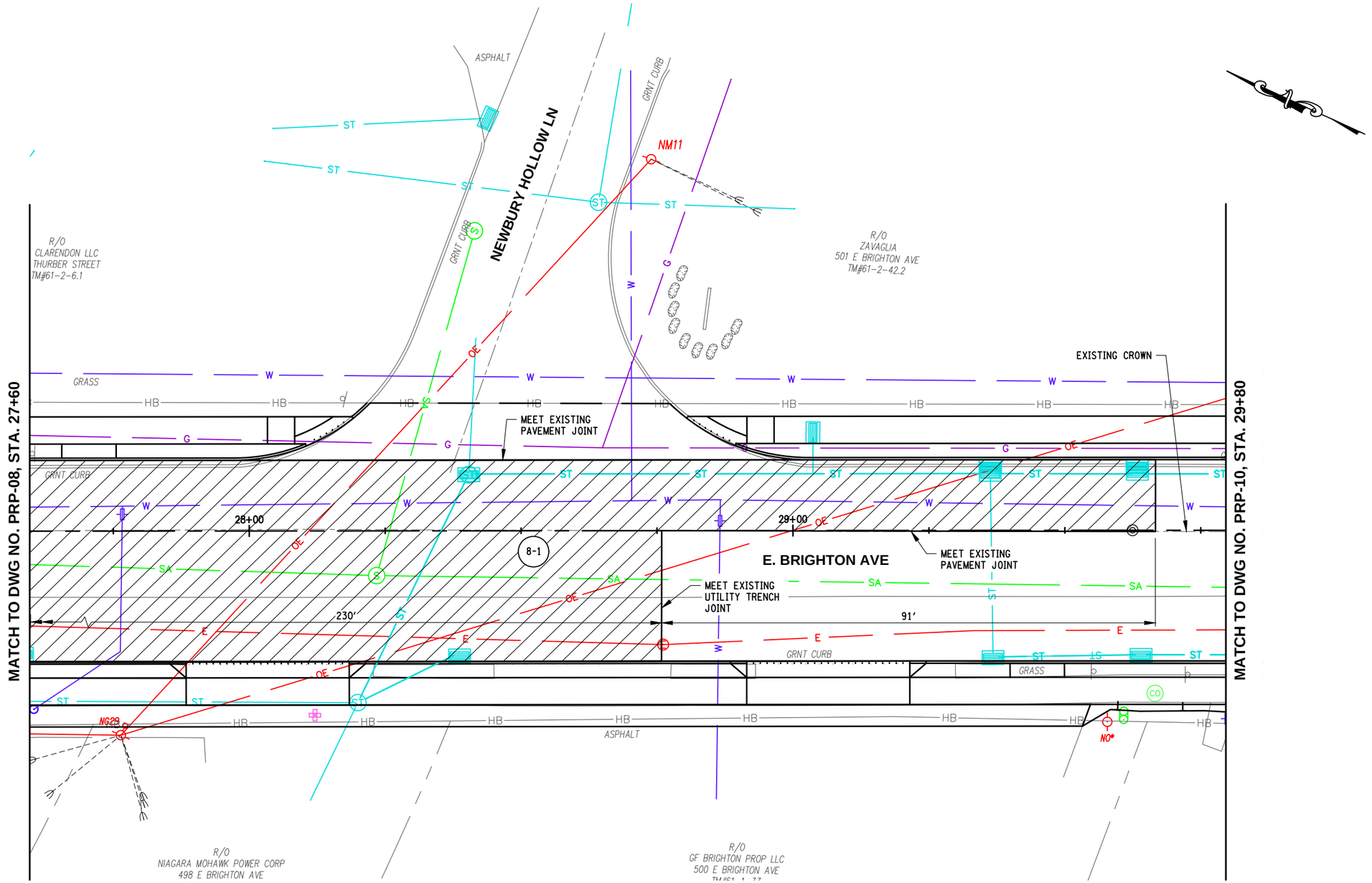
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PAVEMENT REPAIR PLAN

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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
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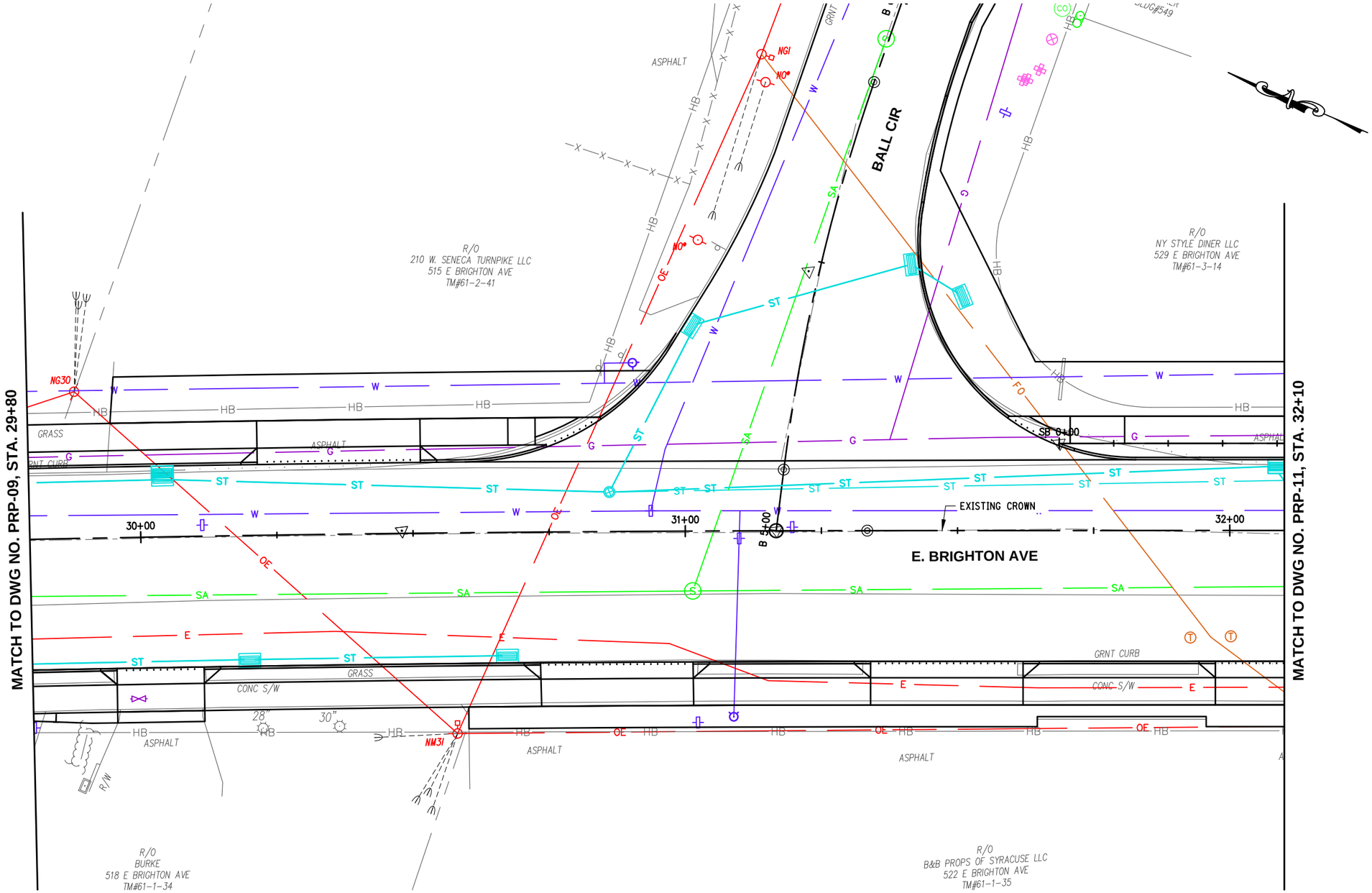
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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

NOTES:

1. FULL DEPTH PAVEMENT REPAIR AREA SIZES AND LOCATIONS HAVE BEEN DETERMINED BY THE DESIGNER. FINAL REPAIR AREAS MAY BE MODIFIED IN THE FIELD BY RESIDENT ENGINEER.
2. SEE FULL DEPTH PAVEMENT REPAIR TABLE ON DWG MST-02 AND DETAILS ON DWG MSD-01.
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Syracuse New York

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

D040386

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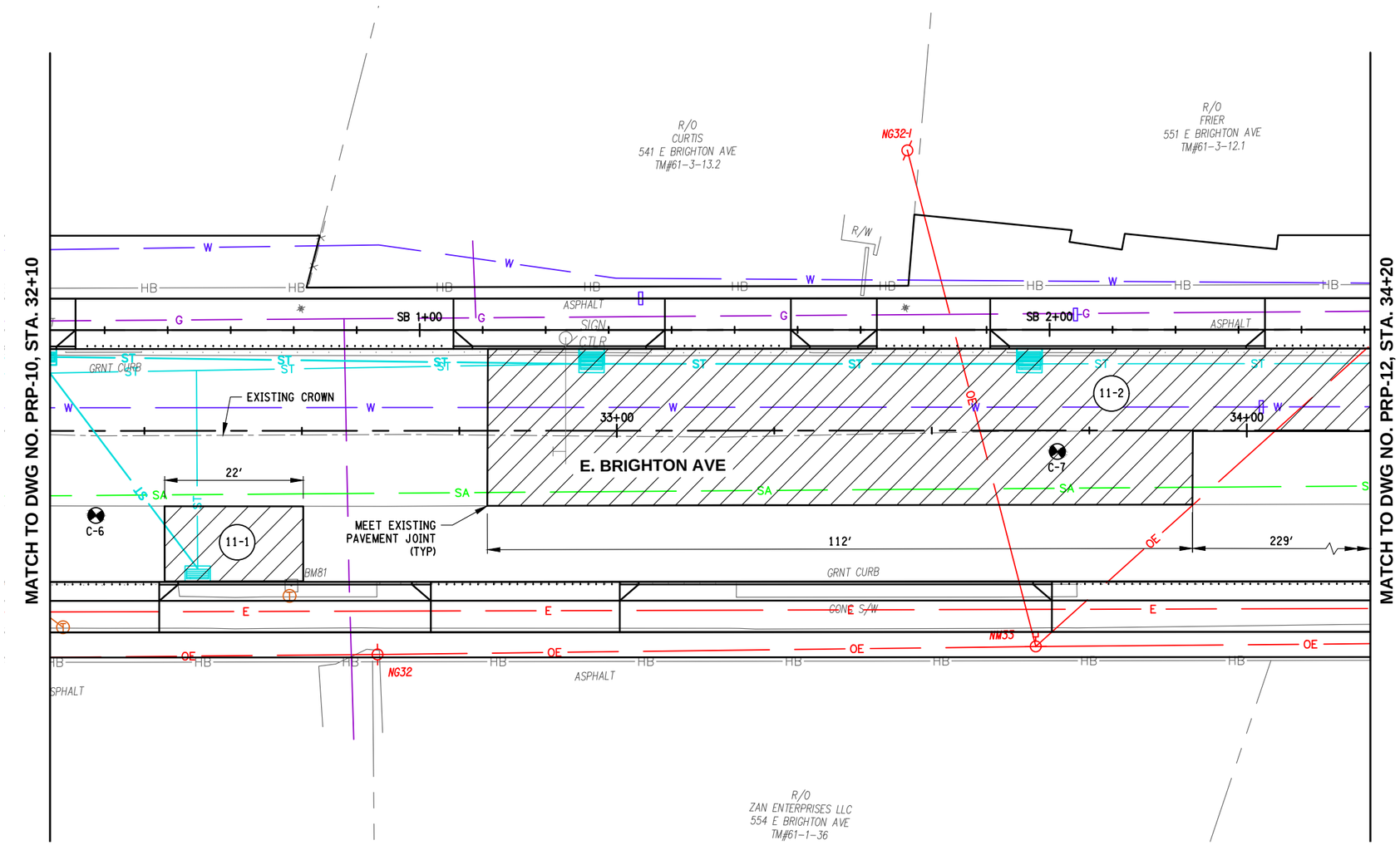
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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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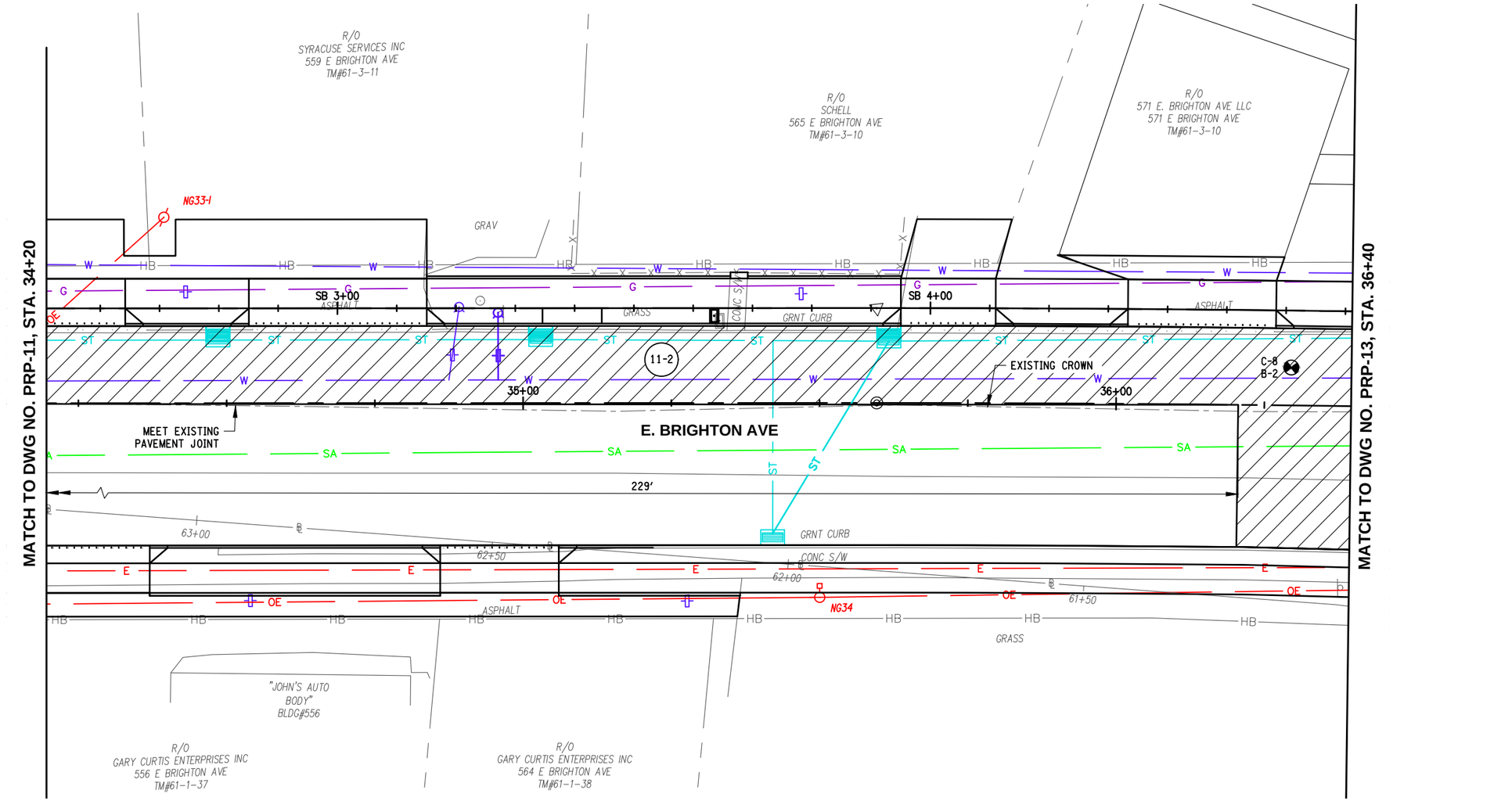
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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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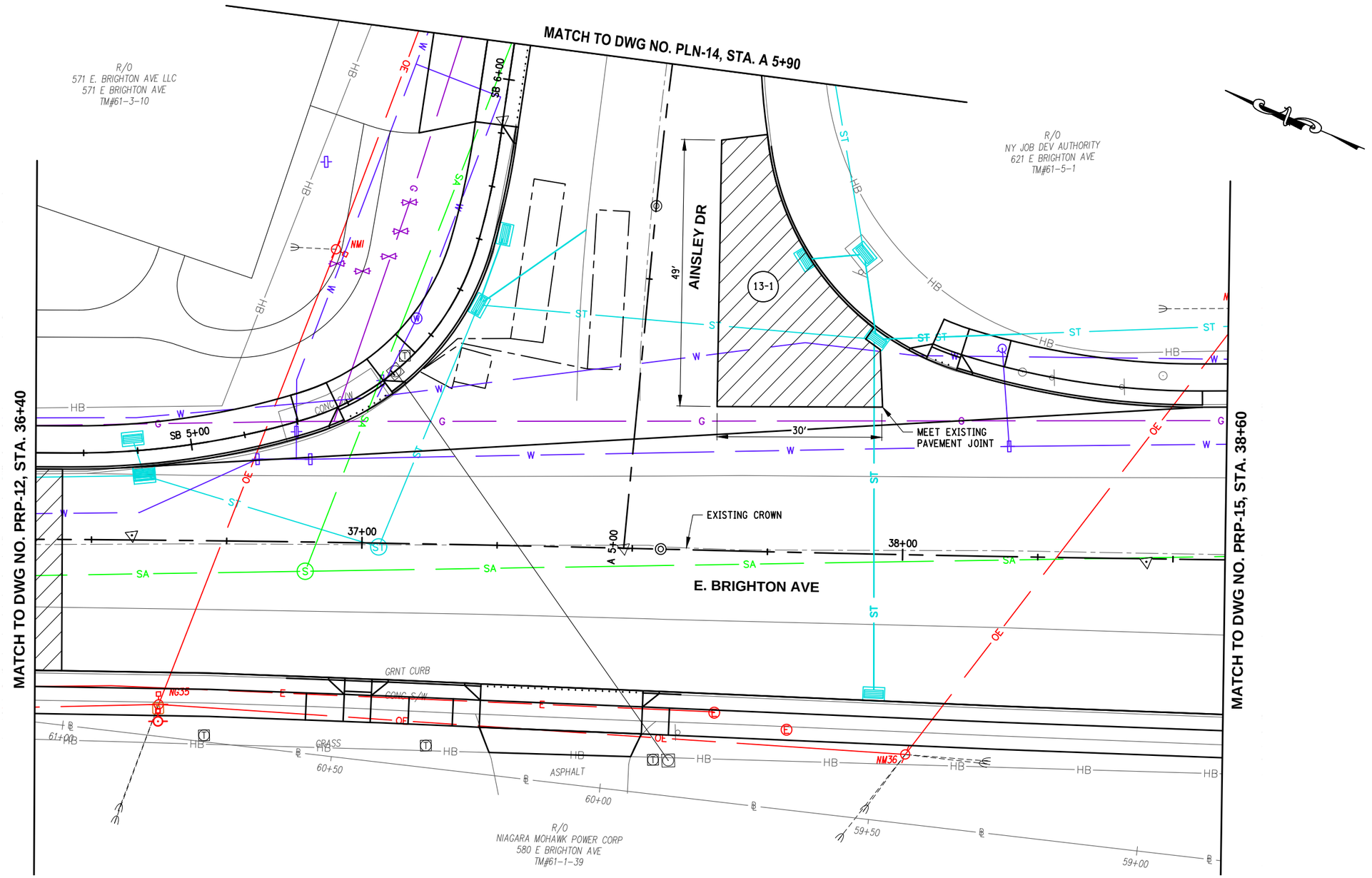
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- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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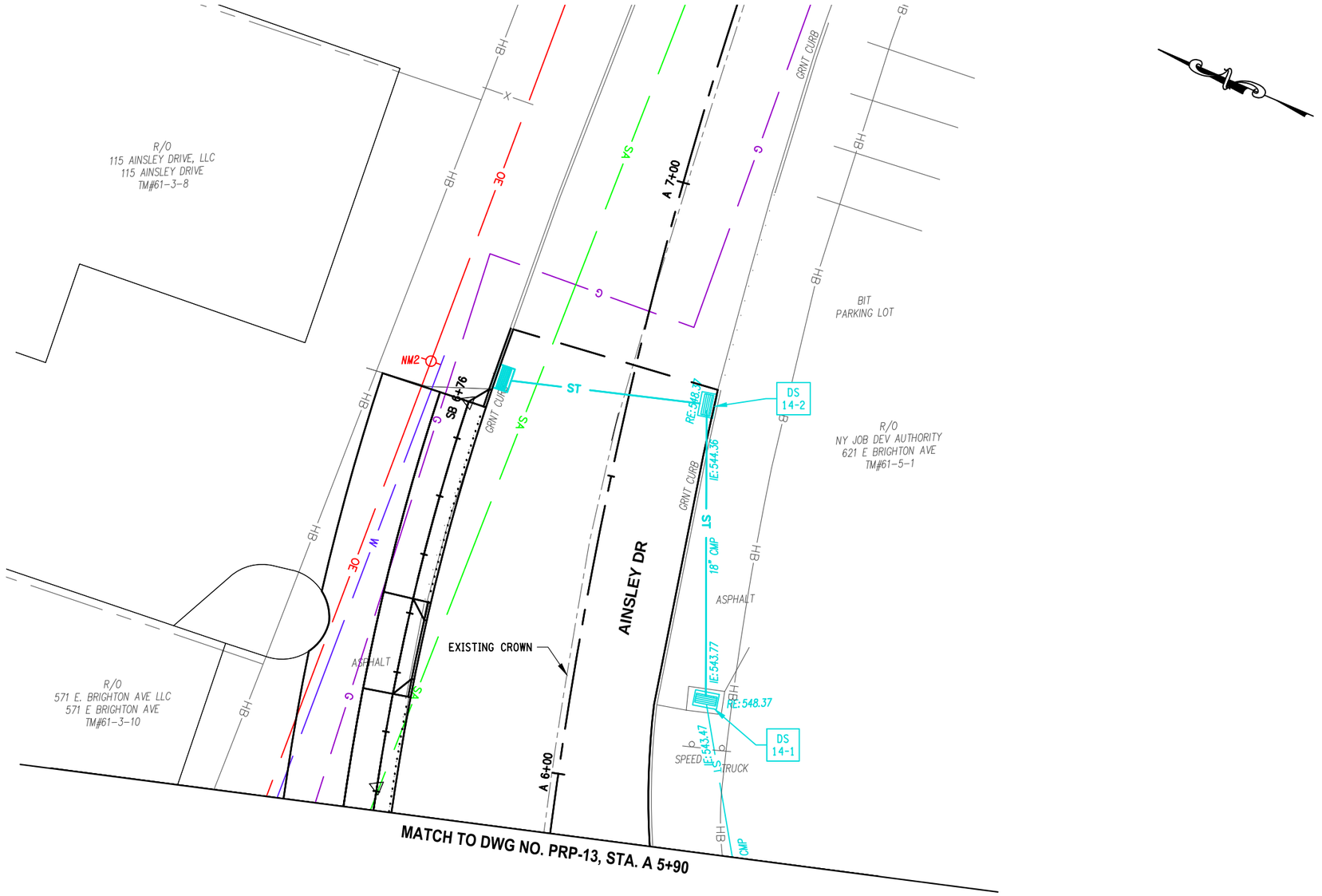
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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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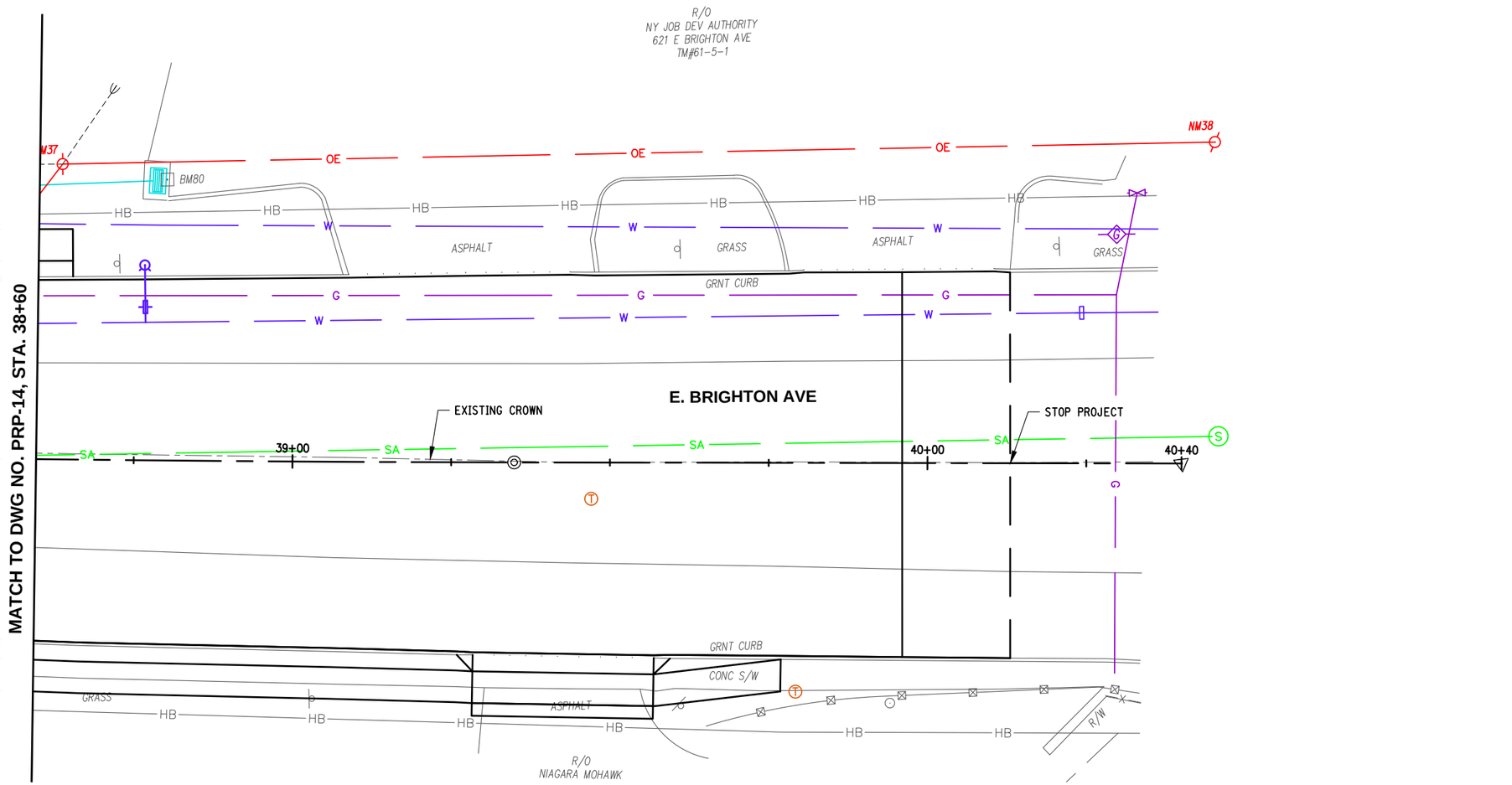
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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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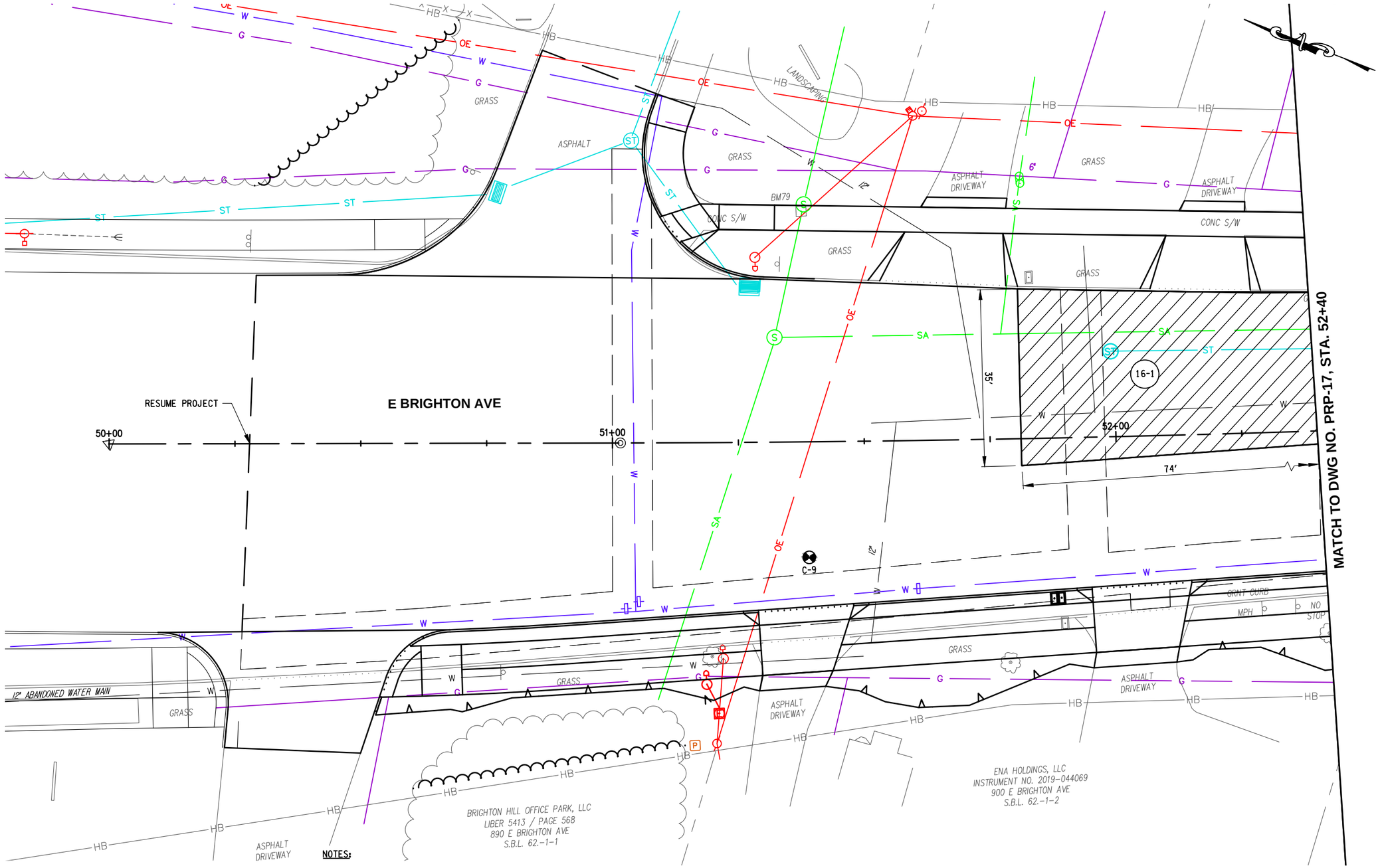
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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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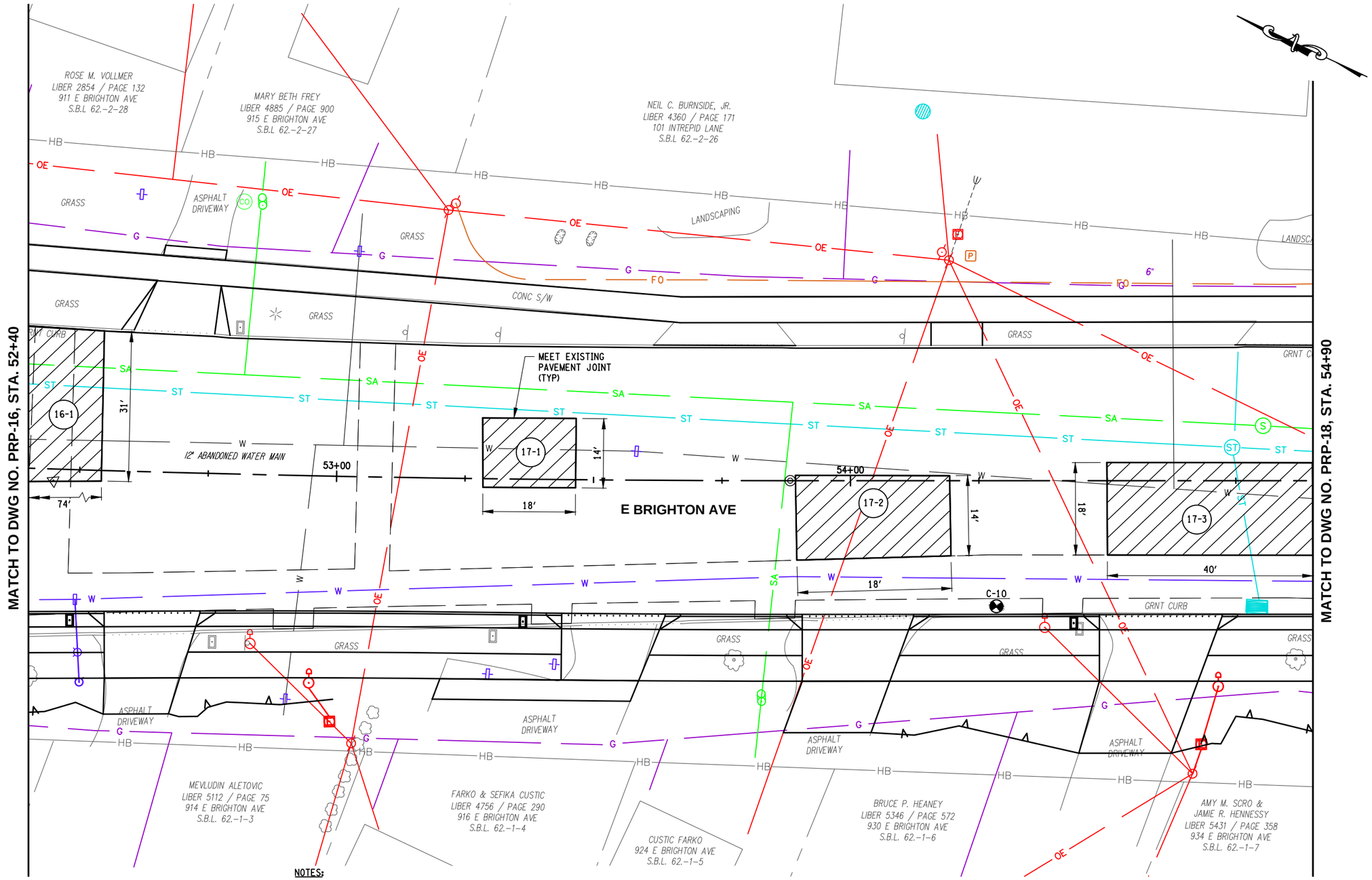
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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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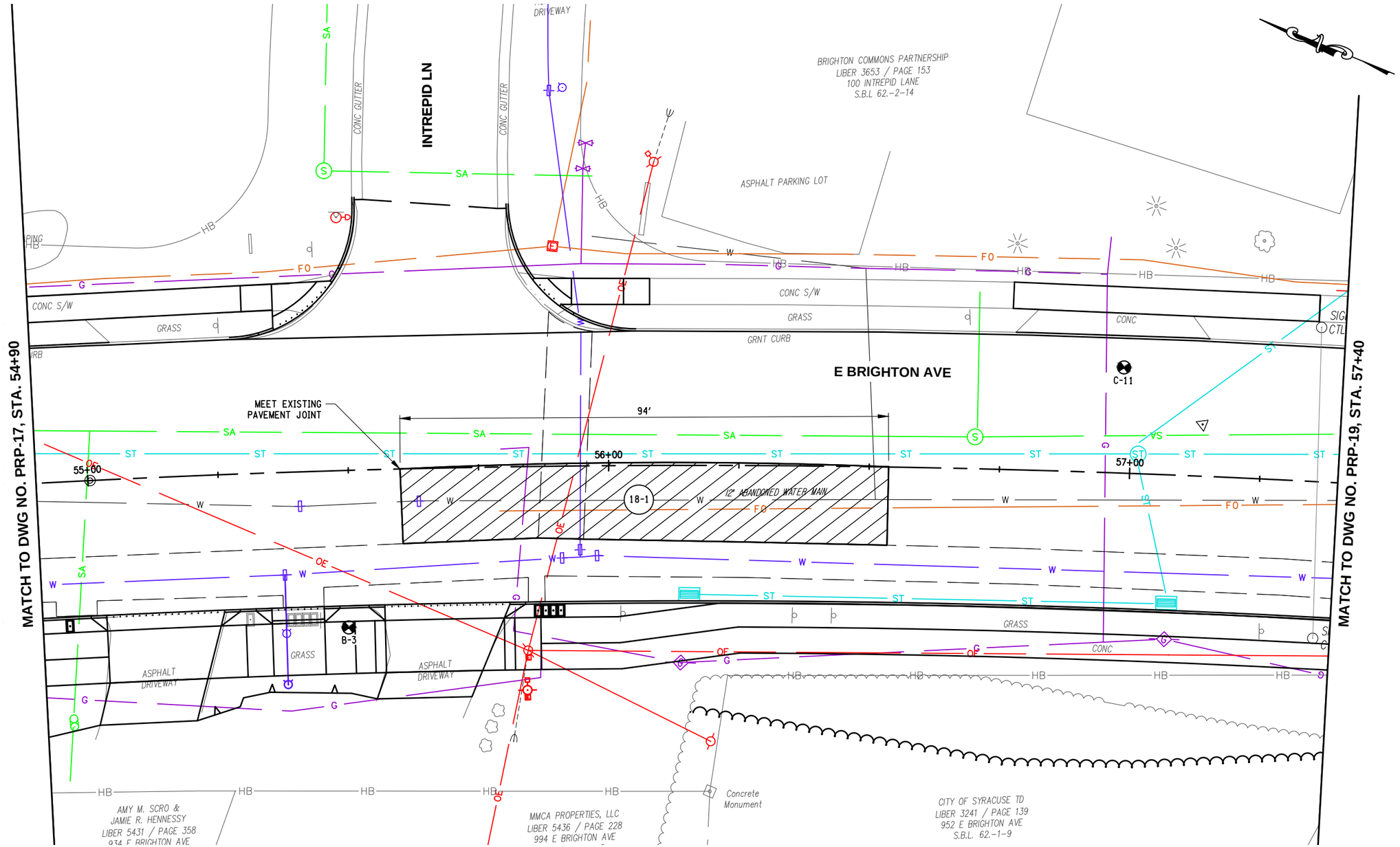
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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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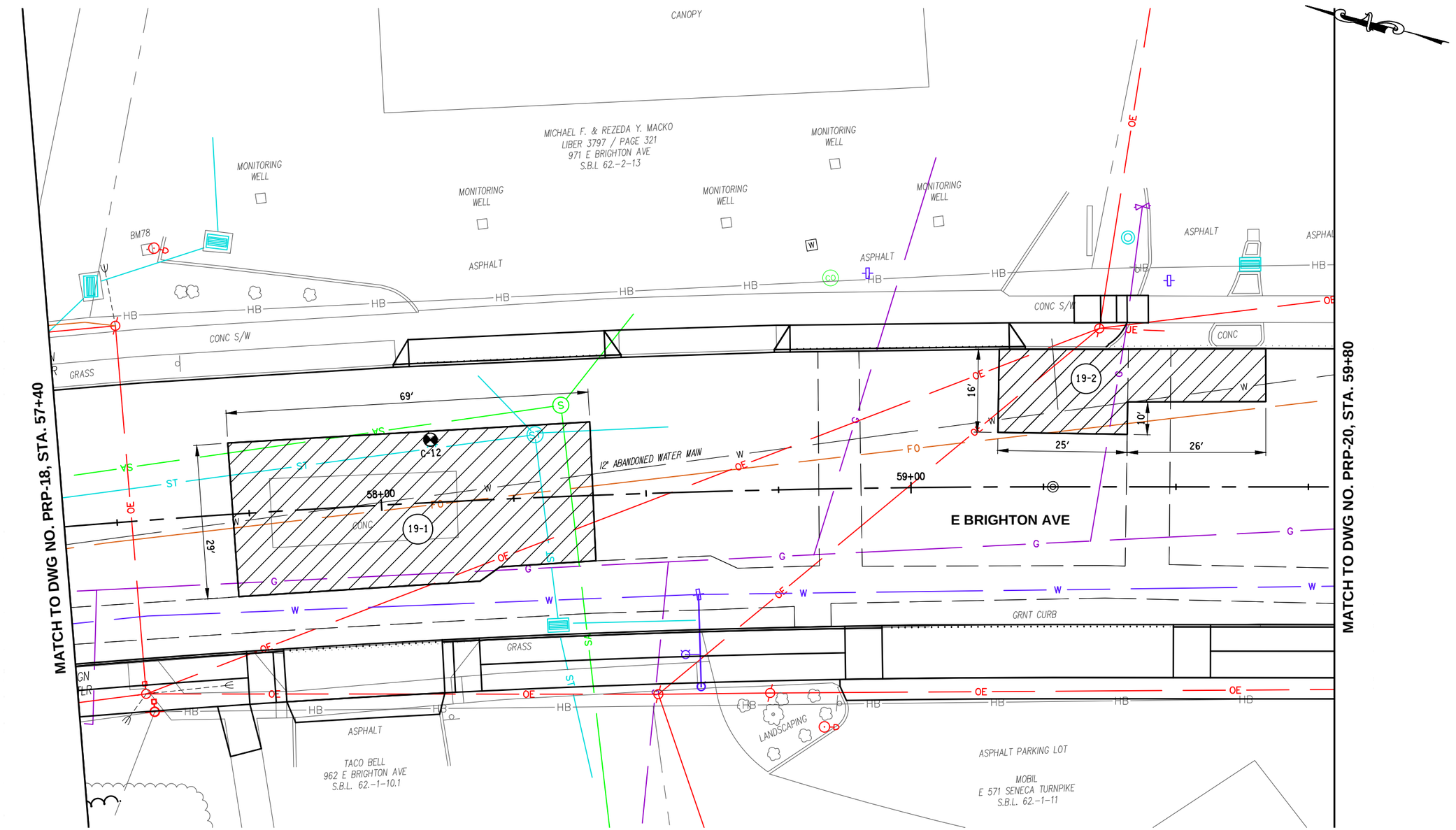
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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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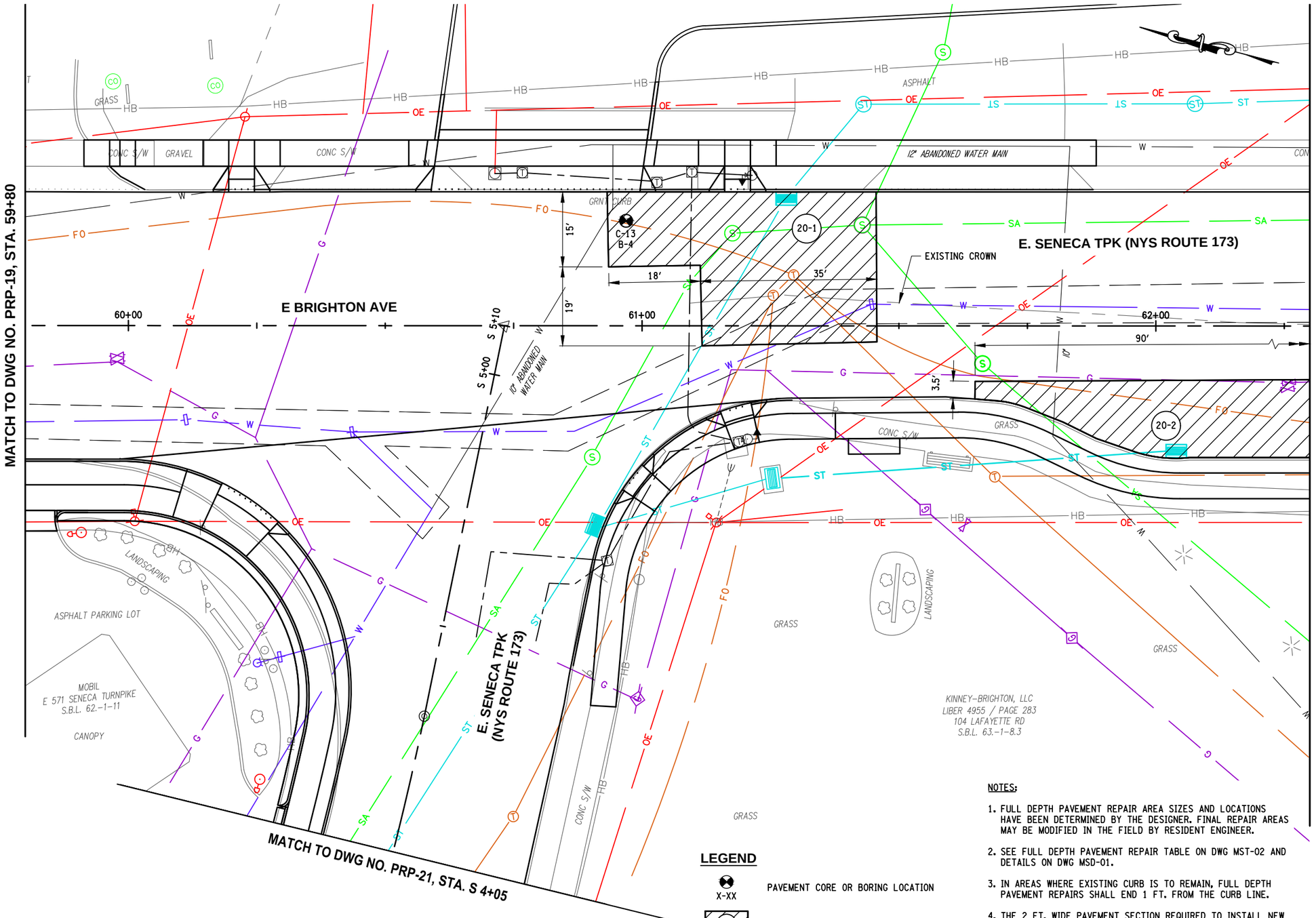
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- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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STATE OF NEW YORK · DOUGLAS OWEN STRAUSER · LICENSED PROFESSIONAL ENGINEER · NO. 073767

Syracuse New York

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

D040386

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

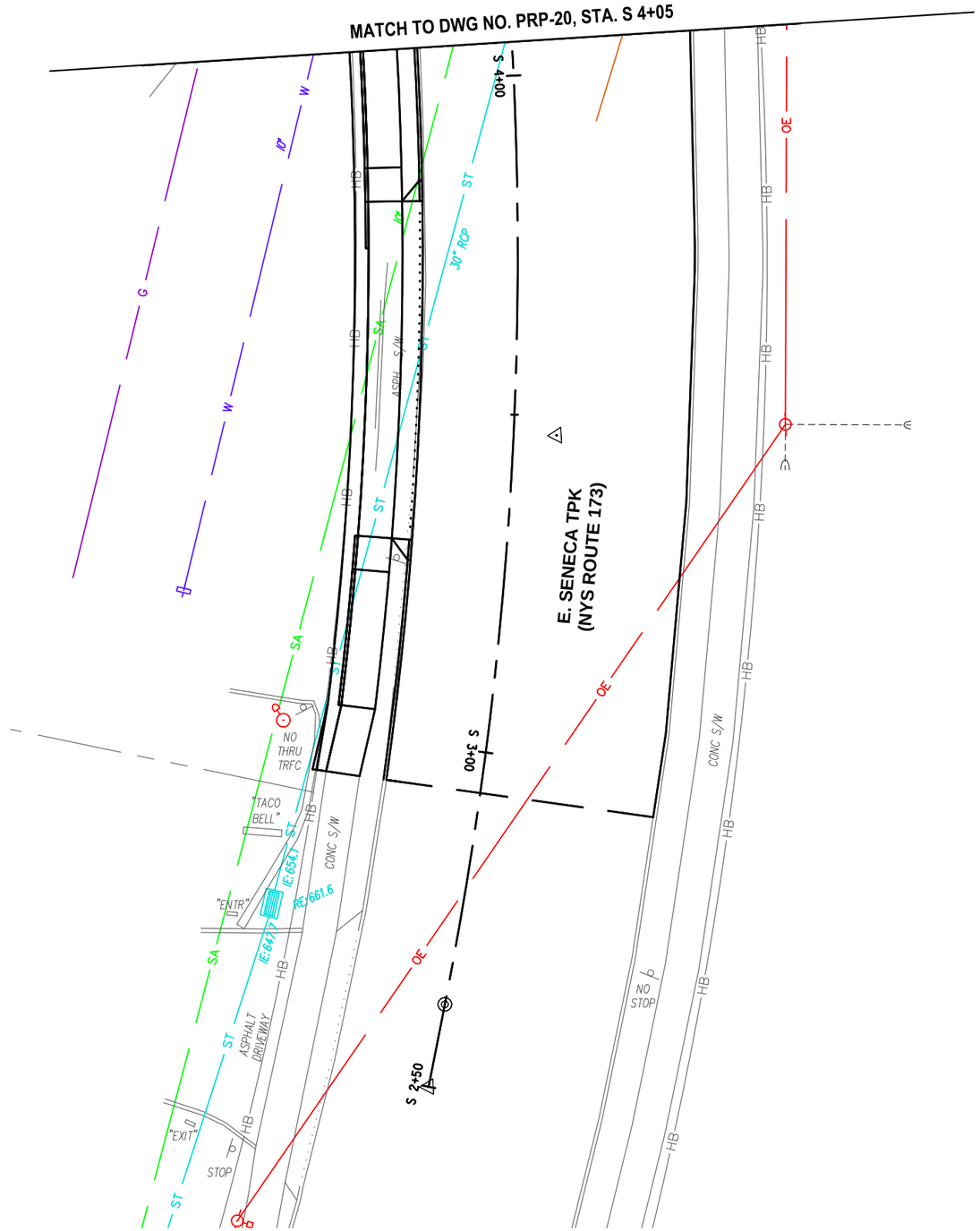
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PAVEMENT REPAIR PLAN

PRP-20

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NOTES:

1. FULL DEPTH PAVEMENT REPAIR AREA SIZES AND LOCATIONS HAVE BEEN DETERMINED BY THE DESIGNER. FINAL REPAIR AREAS MAY BE MODIFIED IN THE FIELD BY RESIDENT ENGINEER.
2. SEE FULL DEPTH PAVEMENT REPAIR TABLE ON DWG MST-02 AND DETAILS ON DWG MSD-01.
3. IN AREAS WHERE EXISTING CURB IS TO REMAIN, FULL DEPTH PAVEMENT REPAIRS SHALL END 1 FT. FROM THE CURB LINE.
4. THE 2 FT. WIDE PAVEMENT SECTION REQUIRED TO INSTALL NEW CURB IS NOT SHOWN ON THE PRP DWGS. IF THE 2 FT. SECTION OVERLAPS THE FULL DEPTH PAVEMENT REPAIR AREAS SHOWN ON THESE DWGS, IT SHALL ONLY BE PAID FOR ONCE.

LEGEND

X-XX — PAVEMENT CORE OR BORING LOCATION

(X-X) — FULL DEPTH REPAIR AREA

EXISTING WATER MAIN ROAD CUT

C&S COMPANIES
C&S Engineers, Inc.
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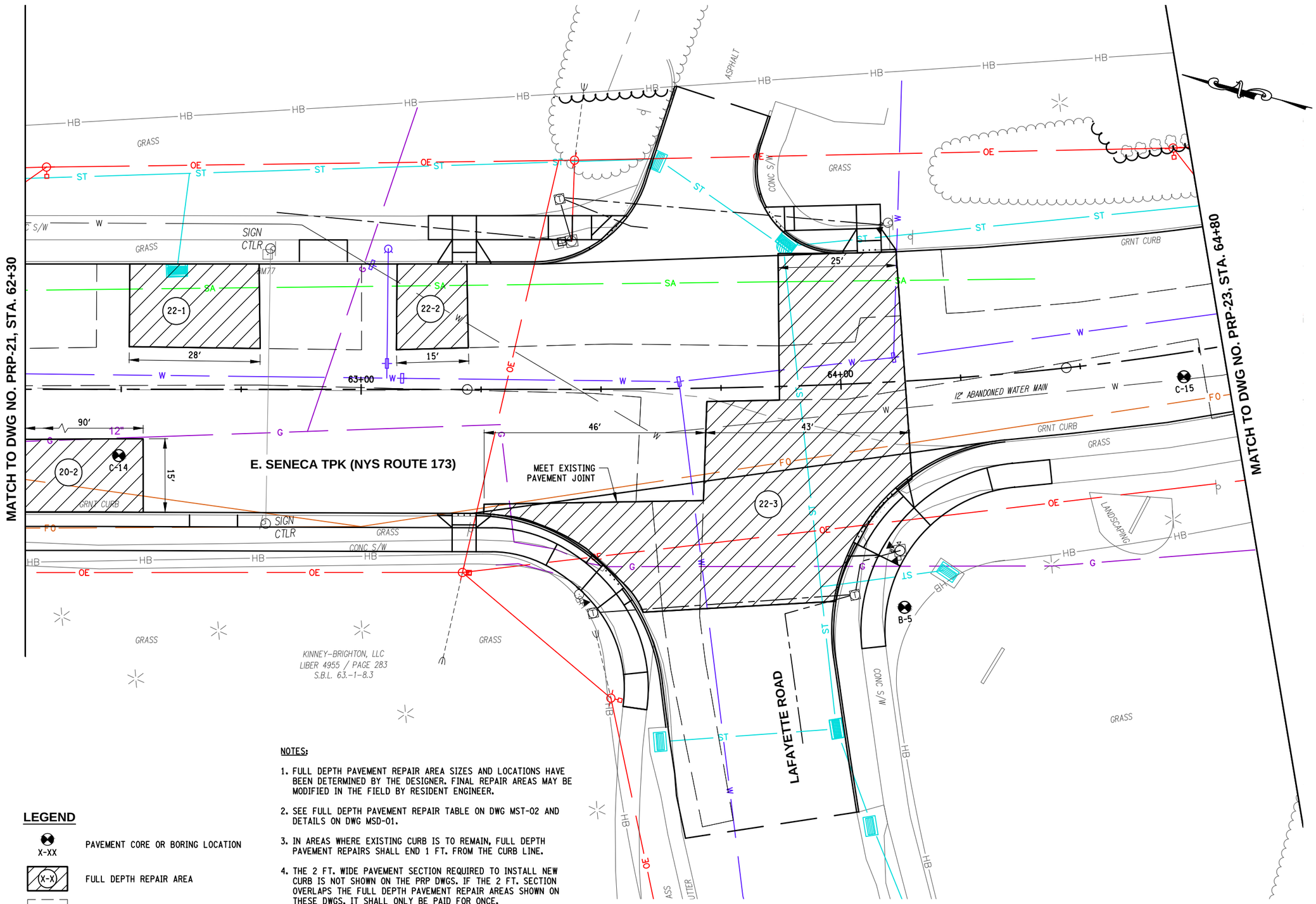
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PAVEMENT REPAIR PLAN

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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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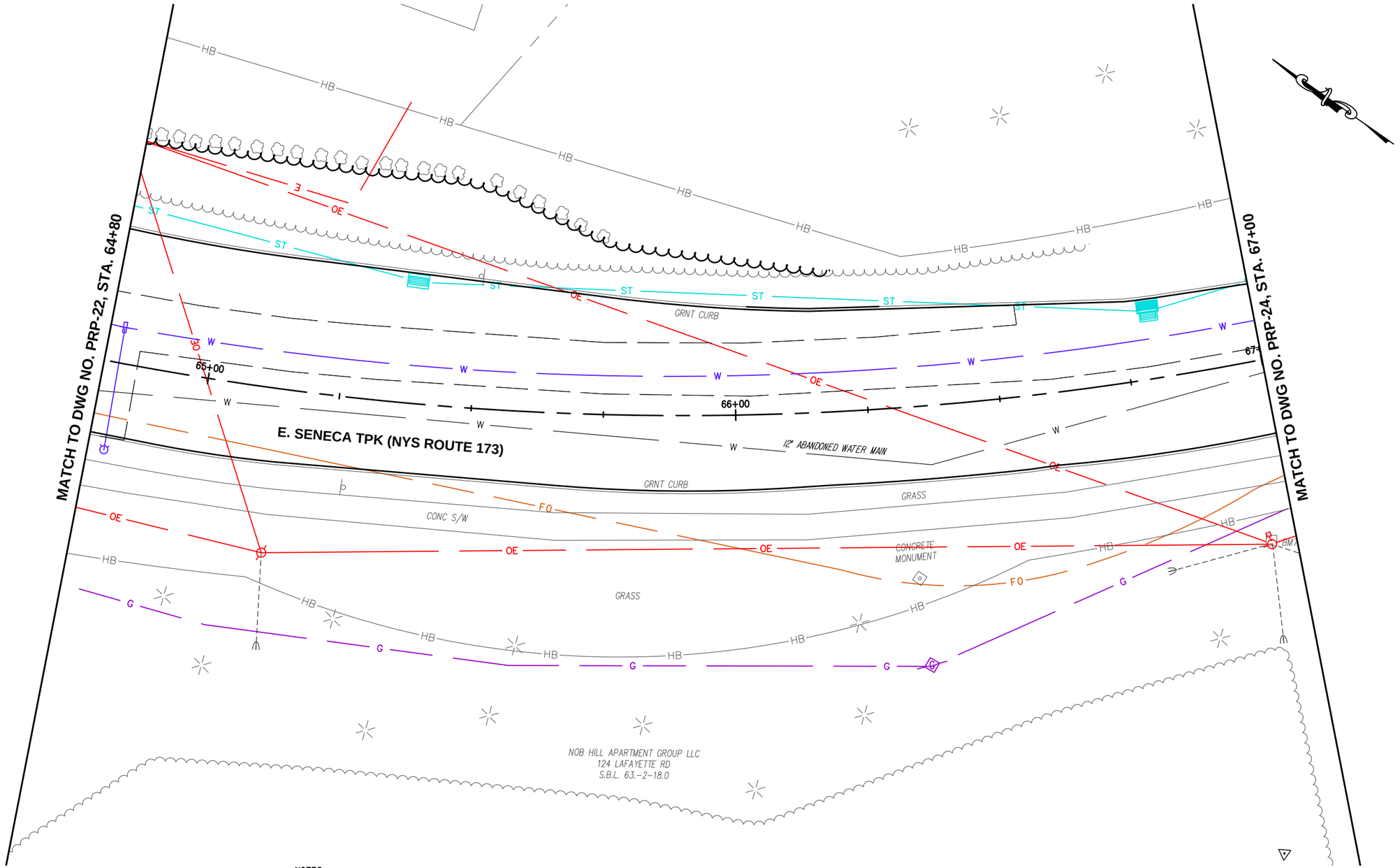
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PAVEMENT REPAIR PLAN

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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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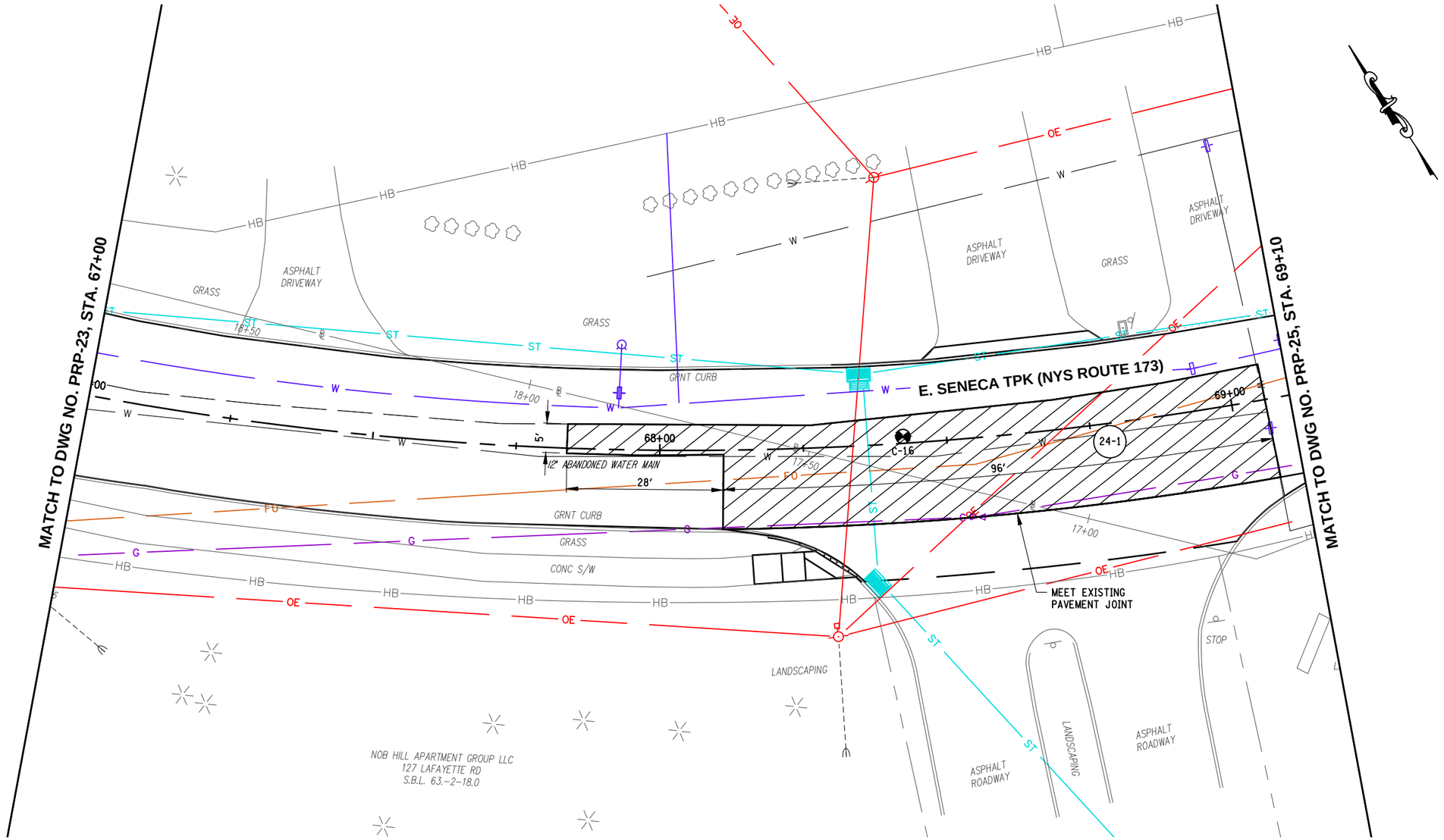
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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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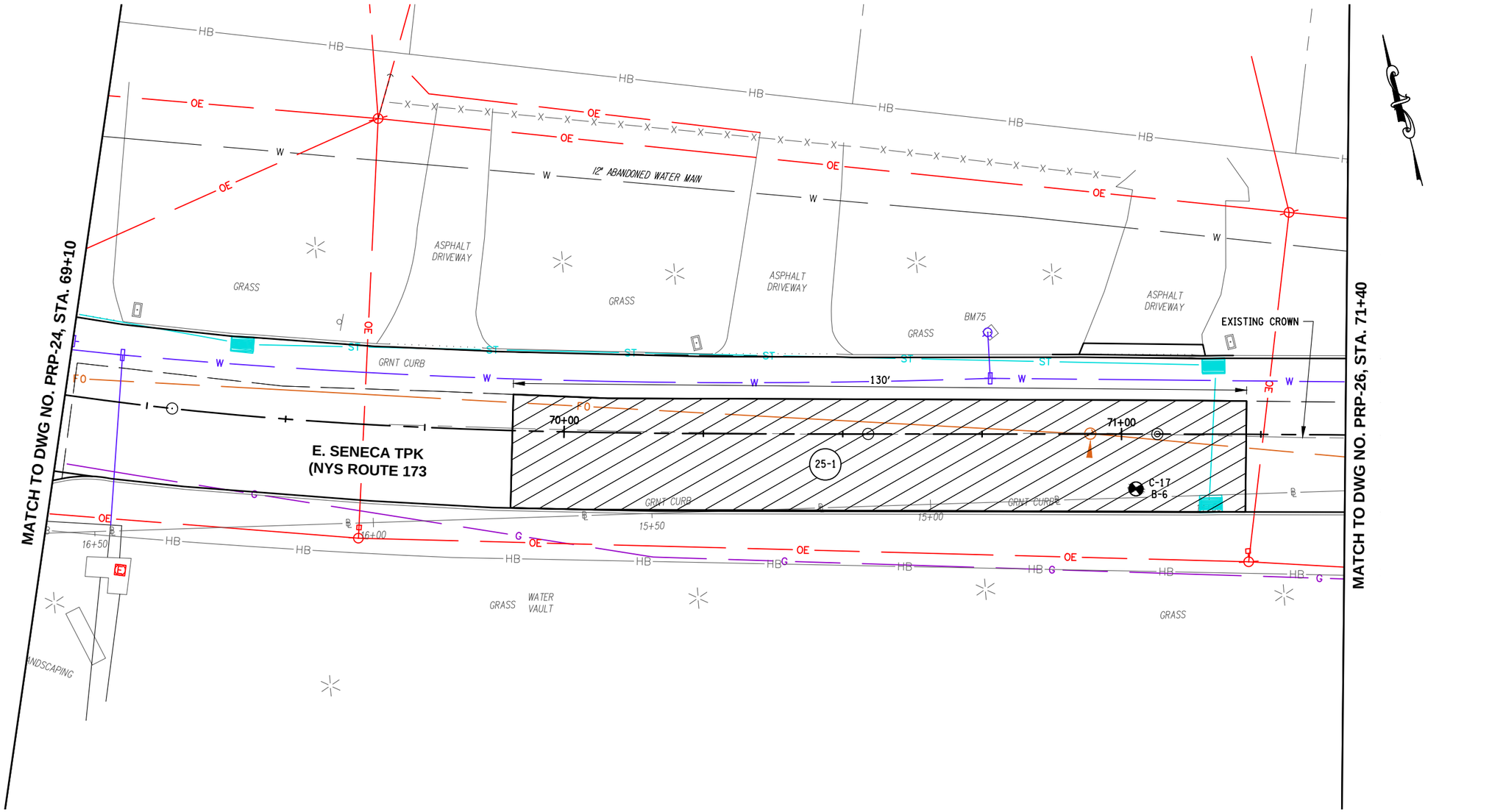
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PAVEMENT REPAIR PLAN

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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
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- EXISTING WATER MAIN ROAD CUT

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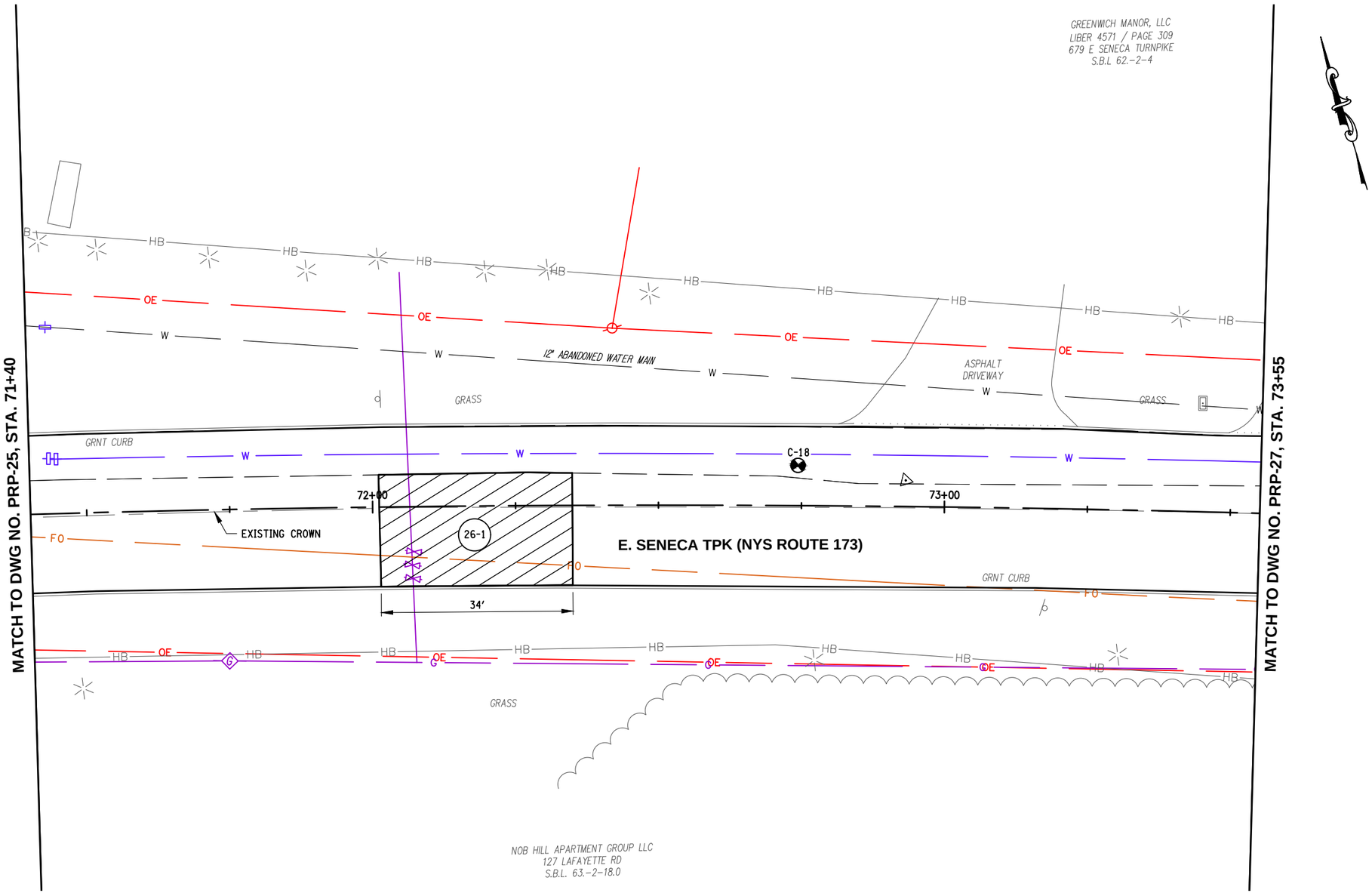
PAVEMENT REPAIR PLAN

PRP-25

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LEGEND

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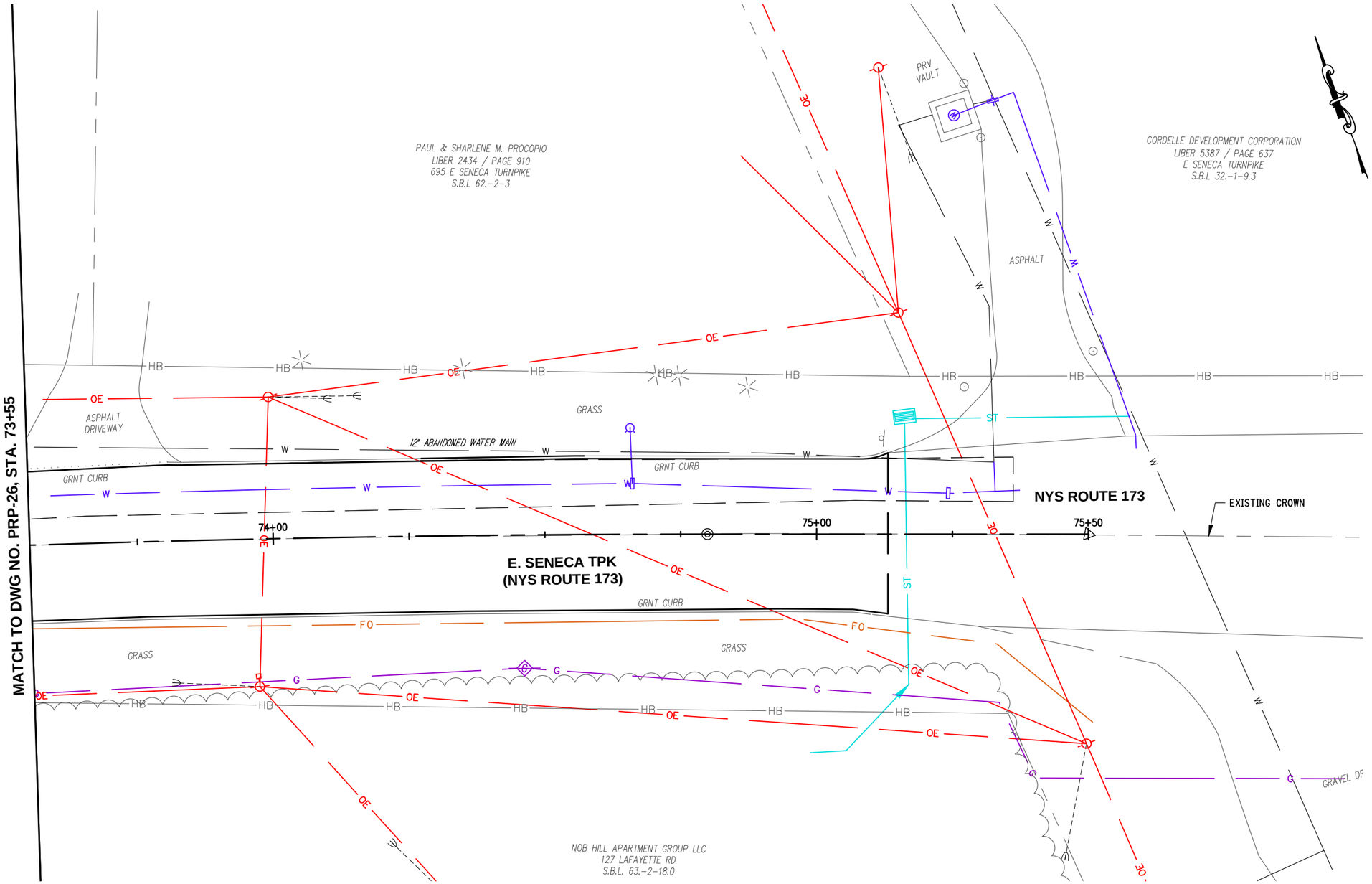
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PAVEMENT REPAIR PLAN

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LEGEND

- X-XX — PAVEMENT CORE OR BORING LOCATION
- (X-X) — FULL DEPTH REPAIR AREA
- EXISTING WATER MAIN ROAD CUT

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LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
- DS X-XX — DRAINAGE STRUCTURE NUMBER (SEE TABLES ON DWG DRT-01 TO 04)

NOTES:

1. SEE MST DWGS FOR PROPERTY RELEASE TABLE, MILLING TABLE, HYDRANT TABLE, CURB AND UNDERDRAIN TABLE, CONCRETE SIDEWALK TABLE, ASPHALT SNOW STORAGE TABLE & MANHOLE AND VALVE ADJUSTMENT TABLE.
2. SEE CRD DWGS FOR CURB RAMP DETAILS.
3. SEE TSN & TSP DWGS FOR TRAFFIC SIGNAL NOTES AND PLANS.
4. EAST CURB LINE TO BE SHIFTED 1 FT. FROM THURBER ST TO AINSLEY DR. SEE TYP & MSD DWGS LT FOR ADDITIONAL INFORMATION.

CURVE TABLE - THURBER STREET				
CURVE NO. T1	R 615.00′ Δ 7°33'42" D 9°18'59" L 81.17′ T 40.64′ E 1.34′	PC STA T 5+38.46 N: 1099836.64 E: 939405.00	PI STA T 5+79.10 N: 1099854.19 E: 939441.66	PT STA T 6+19.62 N: 1099866.76 E: 939480.31

POE STA 6+25.00 N:1099868.42 E:939485.42
AZ. 71°59'15"
T 6+25 PT
T 6+00
CURVE NO. T1
THURBER ST
22′
16′-6"
24" RCP
END PAVEMENT TERMINATION STA T 6+04
R/O BRECKENRIDGE GROUP SYR NY LLC 331 E BRIGHTON AVE TM#59-1-46.2
ABANDONED WATER MAIN PER CITY'S COMMENTS
CONC S/W
GRNT CURB
RTE
NGI
TRANS PAD
NO TRUCK
RE:519.51 IE:511.81E
BEGIN NEW CURB STA T 5+73.7
RE:519.21
DS 1-4
DS 1-5
DS 1-6
DS 1-8
DS 1-7
DS 1-3
DS 1-2
DS 1-1
DS 1-9
DS 1-10
NM1&S
GRASS
5′ SIDEWALK
8" CPP
12" CMP
1 FT. CURB SHIFT, SEE NOTE 4
"MIRABITO"
HYD-1
END NEW CURB STA T 5+37.7
"OUTER COMSTOCK"
STREET
BEGIN NEW CURB STA 10+38.1
IE:507.37
IE:507.45
IE:508.70
IE:508.50
RE:515.22
RE:517.20
IE:510.45
RE:519.00
R50′
CURB RAMP 1
CURB RAMP 2
CURB RAMP 3
@ STA.85+85.774 N:1099778.636 E:939426.250 EL:521.69
IE:514.45
IE:514.75
IE:511.20
IE:519.80
IE:514.15W
IE:512.01
CUT LIMIT
85+50
BEGIN PROJECT BEGIN PAVEMENT TERMINATION STA. 10+08
END PAVEMENT TERMINATION BEGIN TWO-COURSE MILLING AND RESURFACING STA. 10+23
BEGIN SINGLE-COURSE MILL AND OVERLAY STA T 5+12
AZ. 64°25'32"
IE:507.54
IE:508.41
12" RCP
RE:514.82
SMP:506.62
STA 11+08.08 = T 5+00.00
PROPOSED HCL & TGL
POB STA 10+00.00 N:1099915.85 E:939320.29
AZ. 152°20'21"
PC
10+00
11+00
12+00
T 5+00
E. BRIGHTON AVE
RE:513.84
IE:512.4±
SMP:511.2±
FULL OF WATER
BEGIN NEW CURB STA 11+11.2
RE:519.56
IE:513.81
IE:512.81
RE:522.34
IE:515.49
3′ SNOW STORAGE
5′ SNOW STORAGE
MATCH TO DWG NO. PLN-02, STA. 12+20
DW 1-1
DW 1-2
DW 1-3
NO STOP
ASPHALT DRIVEWAY
R/O MOORE 370 E BRIGHTON AVE TM#61-1-14
R/O LABARBERA 374 E BRIGHTON AVE TM#61-1-15
R/O HORAN 408-10 E BRIGHTON AVE TM#61-1-16.1
R/O MORCOS MARWAN 412 E BRIGHTON AVE TM#61-1-18.1
R/O 416 E. BRIGHTON LLC 416 E BRIGHTON AVE TM#61-1-19

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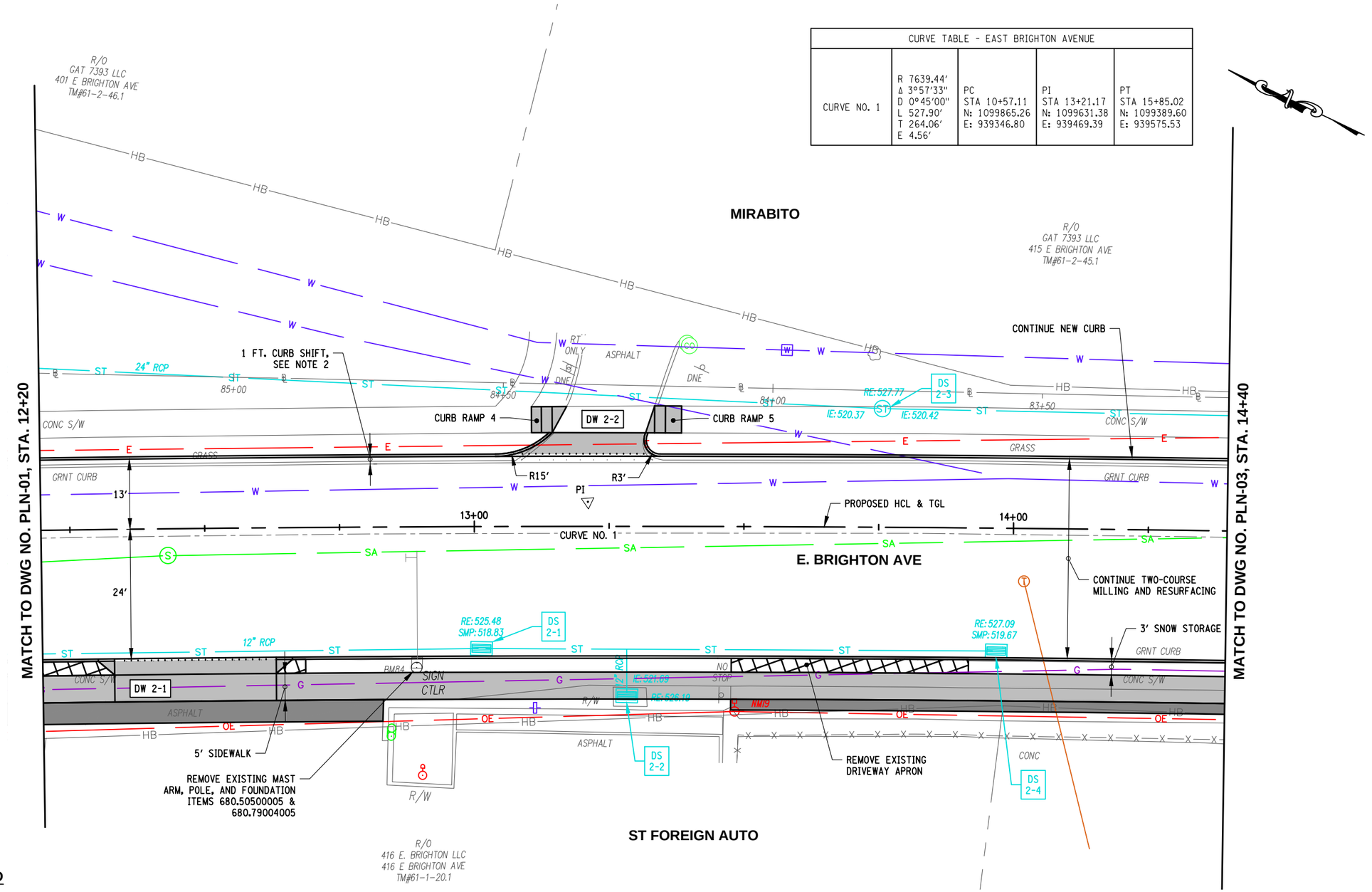
GENERAL PLAN

PLN-01

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CURVE TABLE - EAST BRIGHTON AVENUE				
CURVE NO. 1	R 7639.44′ Δ 3°57′33" D 0°45′00" L 527.90′ T 264.06′ E 4.56′	PC STA 10+57.11 N: 1099865.26 E: 939346.80	PI STA 13+21.17 N: 1099631.38 E: 939469.39	PT STA 15+85.02 N: 1099389.60 E: 939575.53



LEGEND

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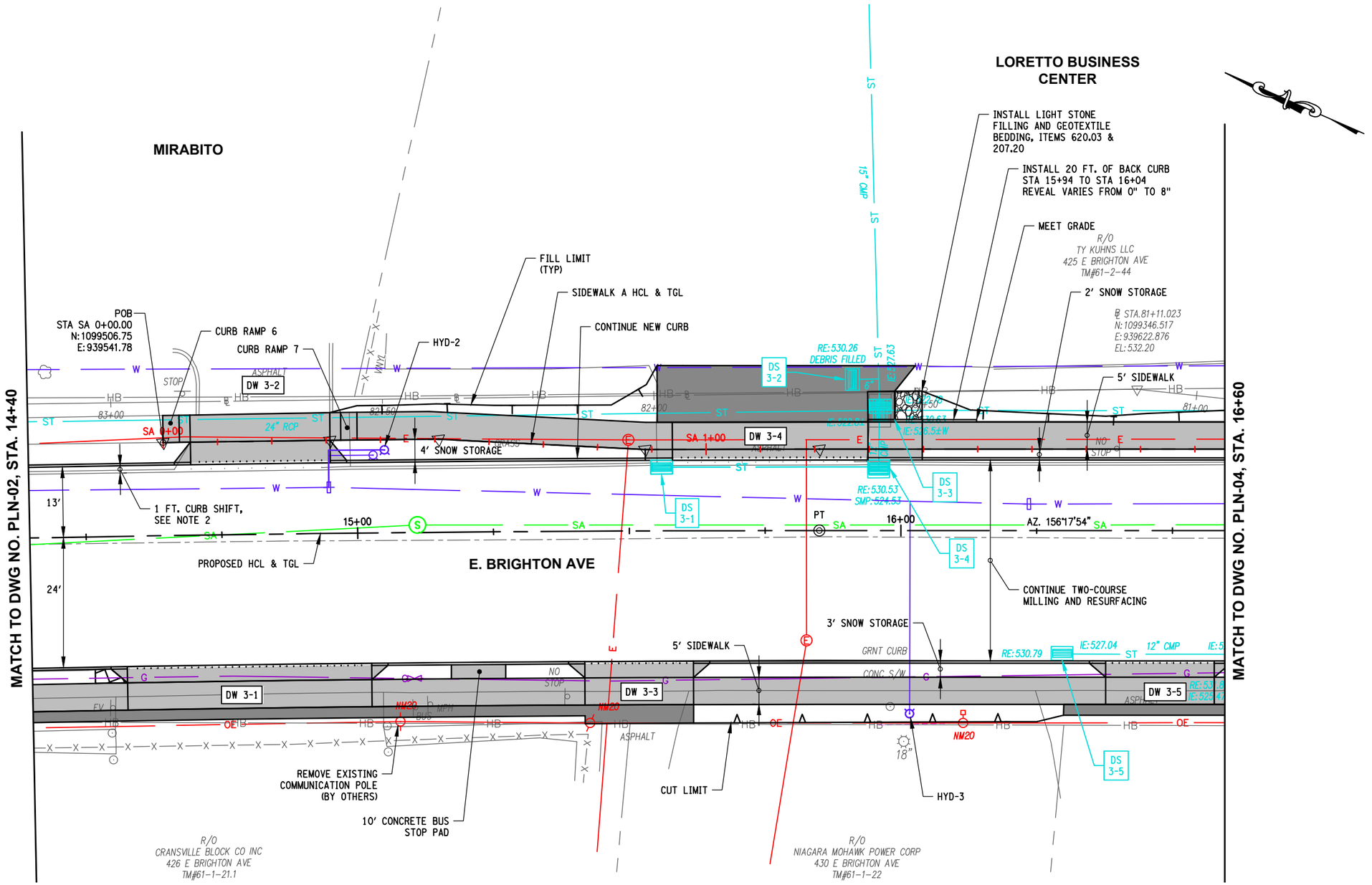
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LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
- DS X-XX — DRAINAGE STRUCTURE NUMBER (SEE TABLES ON DWG DRT-01 TO 04)

NOTES:

1. SEE MST DWGS FOR PROPERTY RELEASE TABLE, MILLING TABLE, HYDRANT TABLE, CURB AND UNDERDRAIN TABLE, CONCRETE SIDEWALK TABLE, ASPHALT SNOW STORAGE TABLE & MANHOLE AND VALVE ADJUSTMENT TABLE.
2. EAST CURB LINE TO BE SHIFTED 1 FT. LT FROM THURBER ST TO AINSLEY DR. SEE TYP & MSD DWGS FOR ADDITIONAL INFORMATION.
3. SEE PLP DWGS FOR PLANTING PLANS, SCHEDULE AND DETAILS.

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Syracuse New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

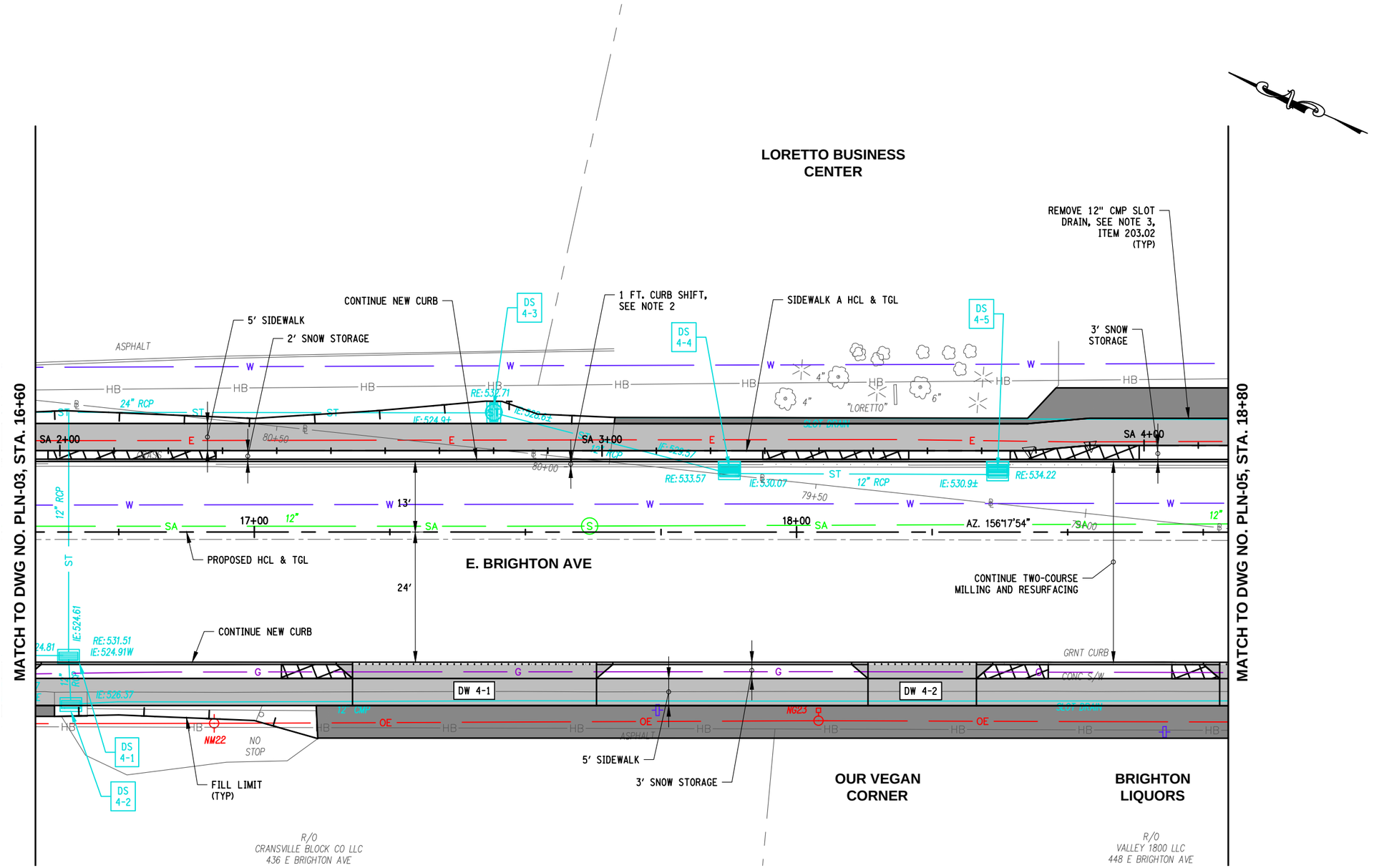
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LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
- DS X-XX — DRAINAGE STRUCTURE NUMBER (SEE TABLES ON DWG DRT-01 TO 04)

NOTES:

1. SEE MST DWGS FOR PROPERTY RELEASE TABLE, MILLING TABLE, HYDRANT TABLE, CURB AND UNDERDRAIN TABLE, CONCRETE SIDEWALK TABLE, ASPHALT SNOW STORAGE TABLE & MANHOLE AND VALVE ADJUSTMENT TABLE.
2. EAST CURB LINE TO BE SHIFTED 1 FT. LT FROM THURBER ST TO AINSLEY DR. SEE TYP & MSD DWGS FOR ADDITIONAL INFORMATION.
3. SEE DWG. DRD-01 FOR "REMOVAL OF EXISTING SLOT DRAIN" DETAIL.
4. SEE PLP DWGS FOR PLANTING PLANS, SCHEDULE AND DETAILS.

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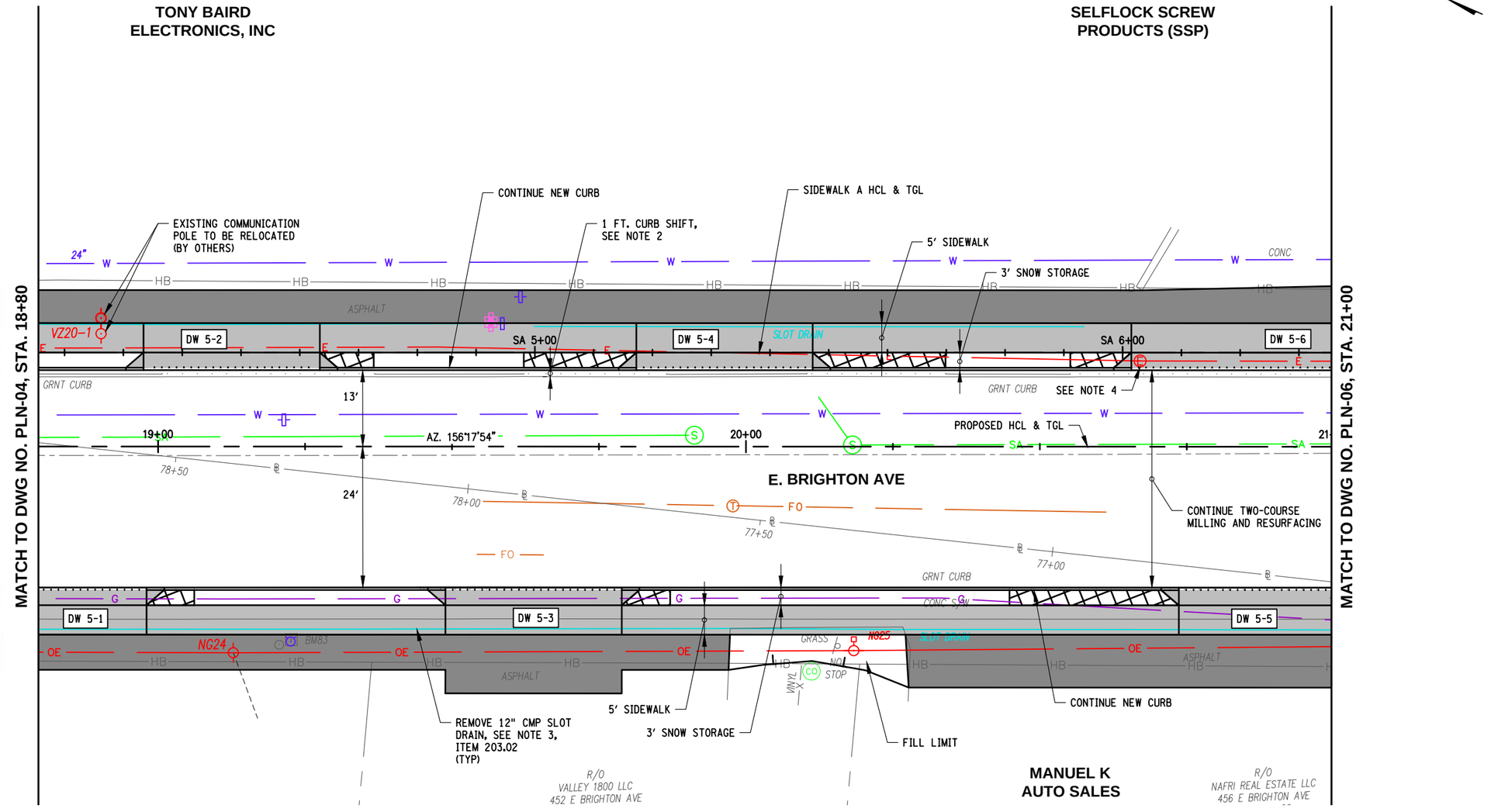
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LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
- DS X-XX — DRAINAGE STRUCTURE NUMBER (SEE TABLES ON DWG DRT-01 TO 04)

NOTES:

1. SEE MST DWGS FOR PROPERTY RELEASE TABLE, MILLING TABLE, HYDRANT TABLE, CURB AND UNDERDRAIN TABLE, CONCRETE SIDEWALK TABLE, ASPHALT SNOW STORAGE TABLE & MANHOLE AND VALVE ADJUSTMENT TABLE.
2. EAST CURB LINE TO BE SHIFTED 1 FT. LT FROM THURBER ST TO AINSLEY DR. SEE TYP & MSD DWGS FOR ADDITIONAL INFORMATION.
3. SEE DWG. DRD-01 FOR "REMOVAL OF EXISTING SLOT DRAIN" DETAIL.
4. DROP CURB AT DW 5-5 MAY INTERFERE WITH ELECTRIC MANHOLE. IF A GAP IN THE CURB IS REQUIRED TO AVOID THE MANHOLE IT SHALL BE FILLED WITH CONCRETE. ANY VERTICAL ADJUSTMENTS SHALL BE MADE BY THE RESPECTIVE UTILITY OWNER.

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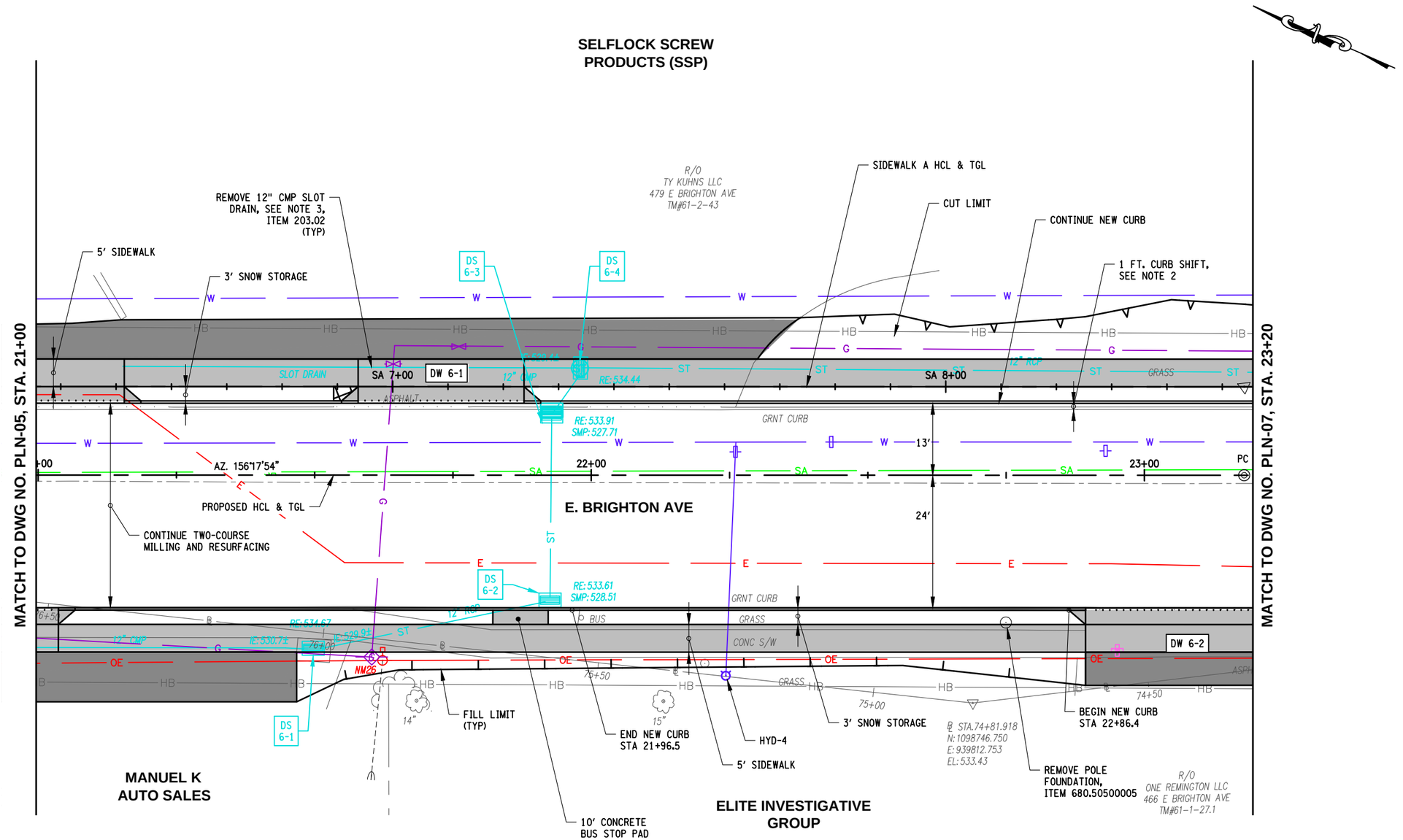
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- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
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NOTES:

1. SEE MST DWGS FOR PROPERTY RELEASE TABLE, MILLING TABLE, HYDRANT TABLE, CURB AND UNDERDRAIN TABLE, CONCRETE SIDEWALK TABLE, ASPHALT SNOW STORAGE TABLE & MANHOLE AND VALVE ADJUSTMENT TABLE.
2. EAST CURB LINE TO BE SHIFTED 1 FT. LT FROM THURBER ST TO AINSLEY DR. SEE TYP & MSD DWGS FOR ADDITIONAL INFORMATION.
3. SEE DWG. DRD-01 FOR "REMOVAL OF EXISTING SLOT DRAIN" DETAIL.
4. SEE PLP DWGS FOR PLANTING PLANS, SCHEDULE AND DETAILS.

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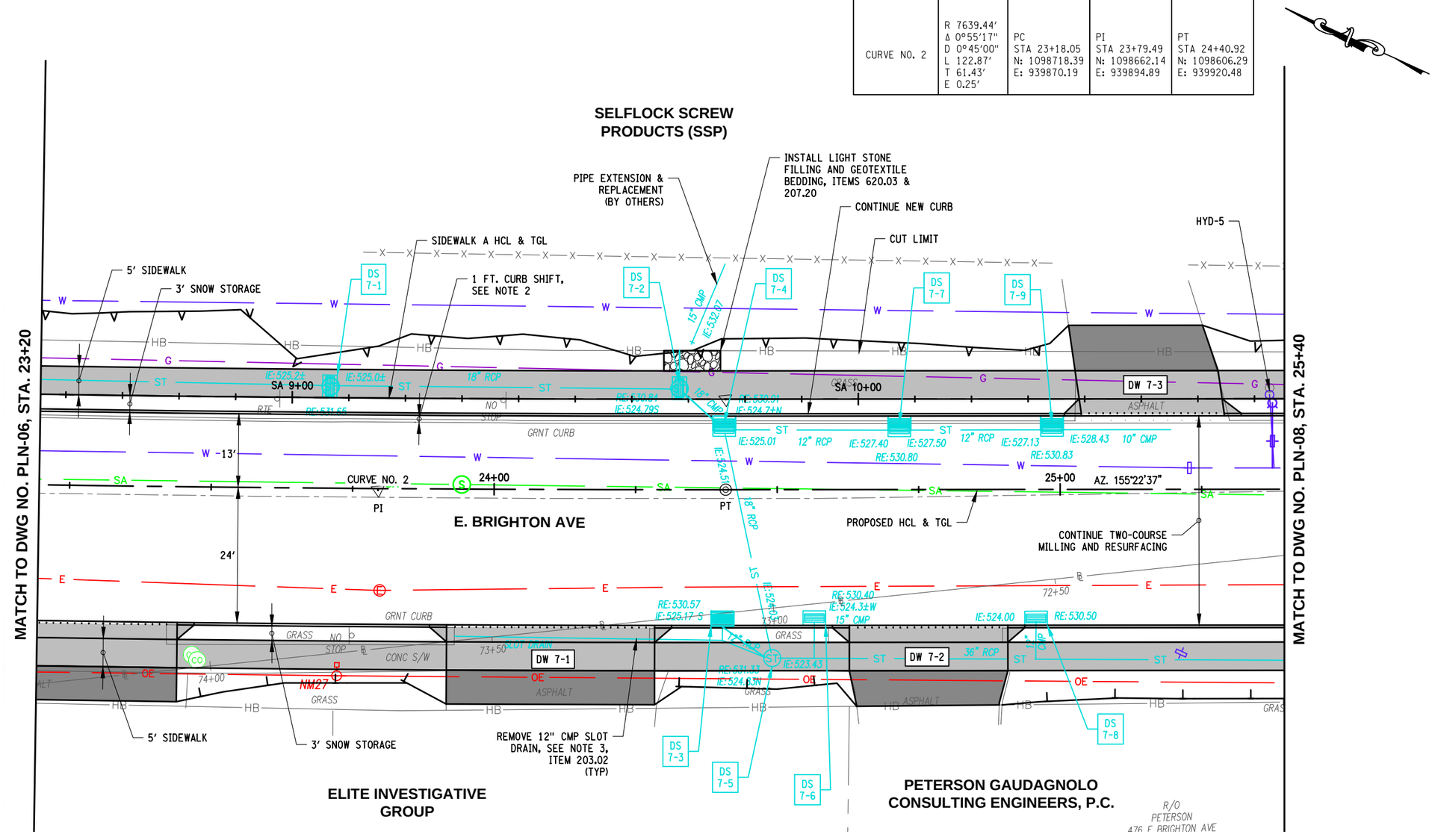
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CURVE TABLE - EAST BRIGHTON AVENUE				
CURVE NO. 2	R 7639.44′ Δ 0°55'17" D 0°45'00" L 122.87′ T 61.43′ E 0.25′	PC STA 23+18.05 N: 1098718.39 E: 939870.19	PI STA 23+79.49 N: 1098662.14 E: 939894.89	PT STA 24+40.92 N: 1098606.29 E: 939920.48



LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
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NOTES:

1. SEE MST DWGS FOR PROPERTY RELEASE TABLE, MILLING TABLE, HYDRANT TABLE, CURB AND UNDERDRAIN TABLE, CONCRETE SIDEWALK TABLE, ASPHALT SNOW STORAGE TABLE & MANHOLE AND VALVE ADJUSTMENT TABLE.
2. EAST CURB LINE TO BE SHIFTED 1 FT. LT FROM THURBER ST TO AINSLEY DR. SEE TYP & MSD DWGS FOR ADDITIONAL INFORMATION.
3. SEE DWG. DRD-01 FOR "REMOVAL OF EXISTING SLOT DRAIN" DETAIL.
4. SEE PLP DWGS FOR PLANTING PLANS, SCHEDULE AND DETAILS.

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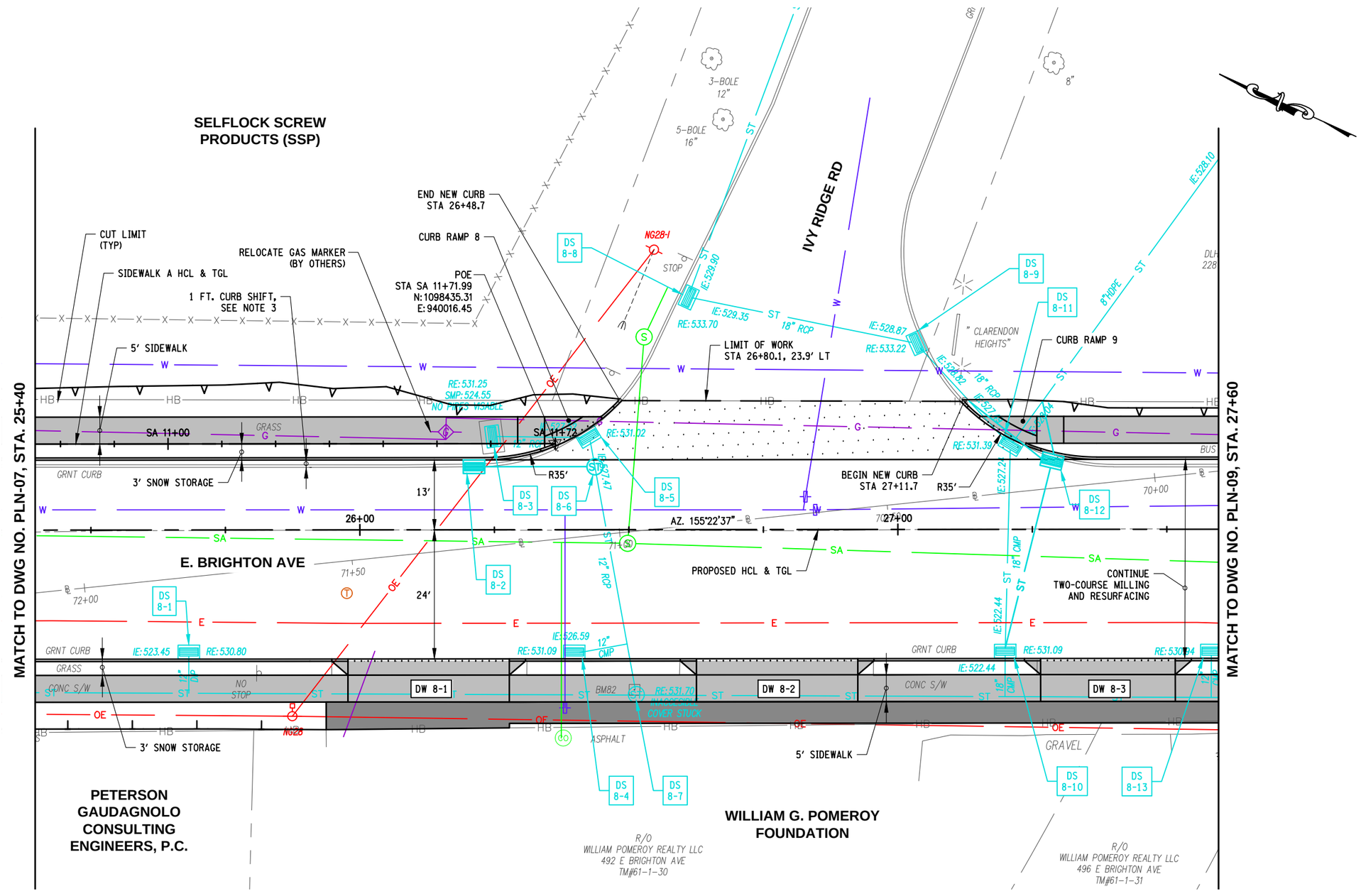
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LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
- DS X-XX — DRAINAGE STRUCTURE NUMBER (SEE TABLES ON DWG DRT-01 TO 04)

NOTES:

1. SEE MST DWGS FOR PROPERTY RELEASE TABLE, MILLING TABLE, HYDRANT TABLE, CURB AND UNDERDRAIN TABLE, CONCRETE SIDEWALK TABLE, ASPHALT SNOW STORAGE TABLE & MANHOLE AND VALVE ADJUSTMENT TABLE.
2. SEE CRD DWGS FOR CURB RAMP DETAILS.
3. EAST CURB LINE TO BE SHIFTED 1 FT. LT FROM THURBER ST TO AINSLEY DR. SEE TYP & MSD DWGS FOR ADDITIONAL INFORMATION.

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THURBER STREET TO CITY LIMIT

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DEPARTMENT OF ENGINEERING

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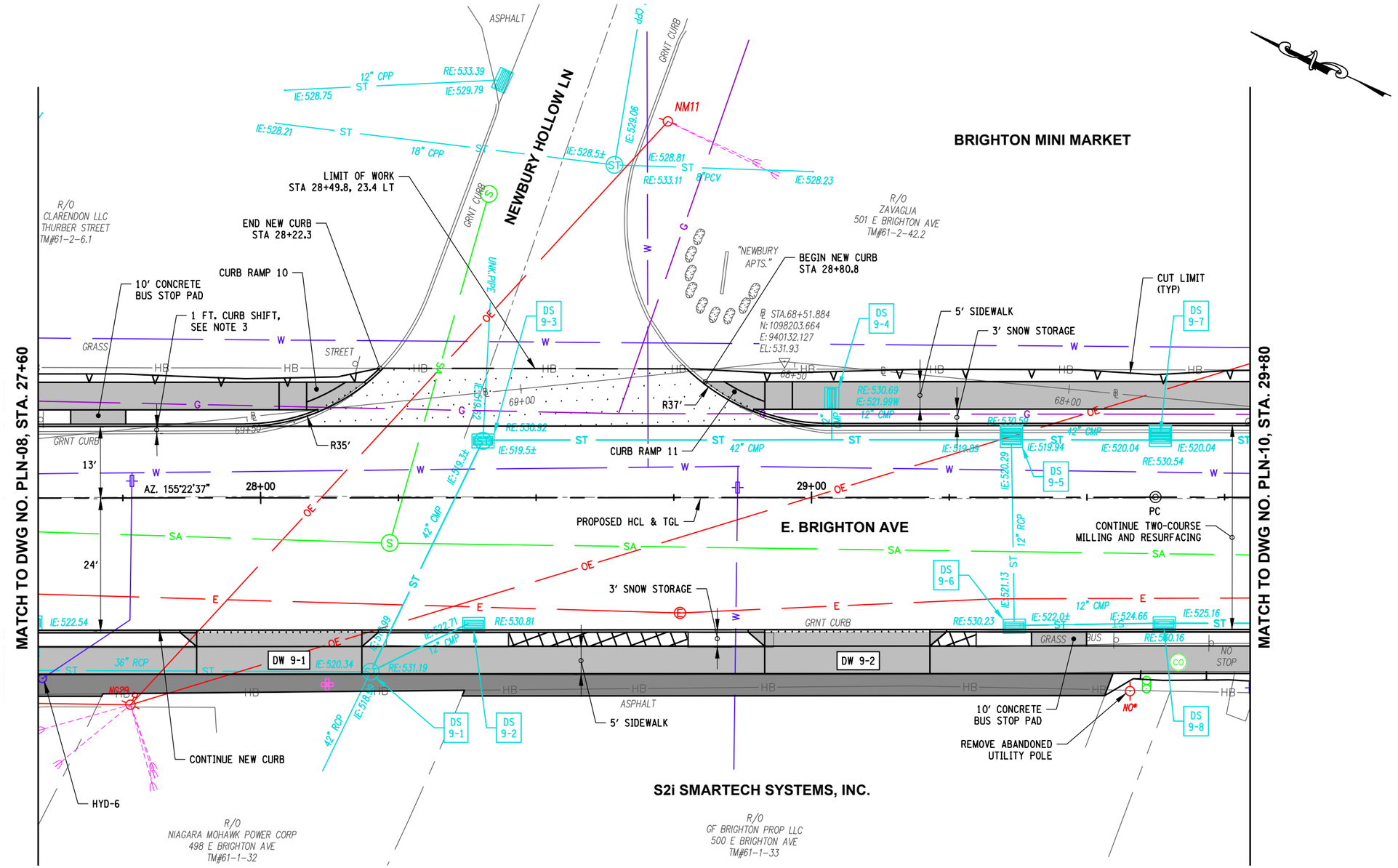
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- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
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- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
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NOTES:

1. SEE MST DWGS FOR PROPERTY RELEASE TABLE, MILLING TABLE, HYDRANT TABLE, CURB AND UNDERDRAIN TABLE, CONCRETE SIDEWALK TABLE, ASPHALT SNOW STORAGE TABLE & MANHOLE AND VALVE ADJUSTMENT TABLE.
2. SEE CRD DWGS FOR CURB RAMP DETAILS.
3. EAST CURB LINE TO BE SHIFTED 1 FT. LT FROM THURBER ST TO AINSLEY DR. SEE TYP & MSD DWGS FOR ADDITIONAL INFORMATION.

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THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

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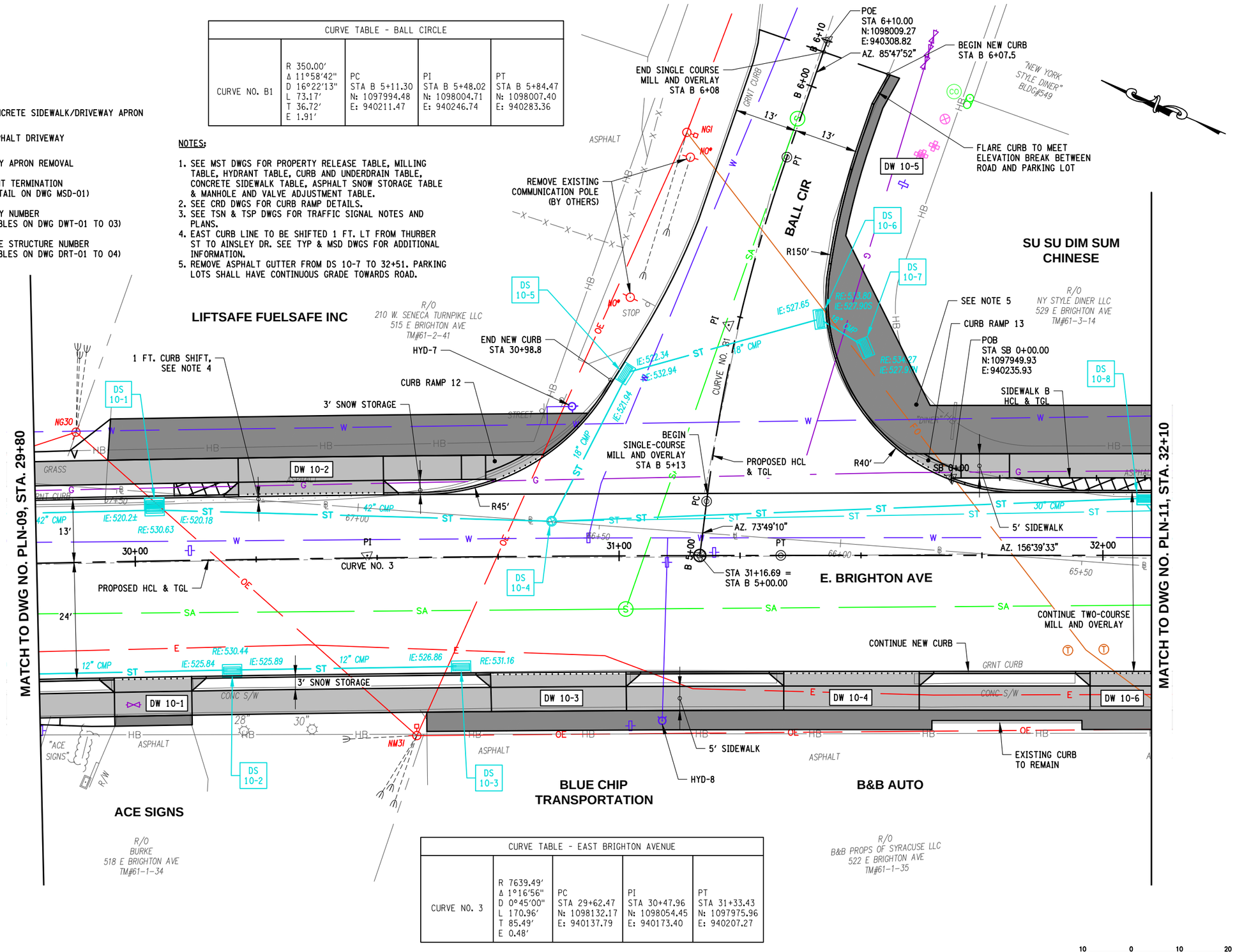
LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
- DS X-XX — DRAINAGE STRUCTURE NUMBER (SEE TABLES ON DWG DRT-01 TO 04)

CURVE TABLE - BALL CIRCLE				
CURVE NO. B1	R 350.00' Δ 11°58'42" D 16°22'13" L 73.17' T 36.72' E 1.91'	PC STA B 5+11.30 N: 1097994.48 E: 940211.47	PI STA B 5+48.02 N: 1098004.71 E: 940246.74	PT STA B 5+84.47 N: 1098007.40 E: 940283.36

NOTES:

1. SEE MST DWGS FOR PROPERTY RELEASE TABLE, MILLING TABLE, HYDRANT TABLE, CURB AND UNDERDRAIN TABLE, CONCRETE SIDEWALK TABLE, ASPHALT SNOW STORAGE TABLE & MANHOLE AND VALVE ADJUSTMENT TABLE.
2. SEE CRD DWGS FOR CURB RAMP DETAILS.
3. SEE TSN & TSP DWGS FOR TRAFFIC SIGNAL NOTES AND PLANS.
4. EAST CURB LINE TO BE SHIFTED 1 FT. LT FROM THURBER ST TO AINSLEY DR. SEE TYP & MSD DWGS FOR ADDITIONAL INFORMATION.
5. REMOVE ASPHALT GUTTER FROM DS 10-7 TO 32+51. PARKING LOTS SHALL HAVE CONTINUOUS GRADE TOWARDS ROAD.



CURVE TABLE - EAST BRIGHTON AVENUE				
CURVE NO. 3	R 7639.49' Δ 1°16'56" D 0°45'00" L 170.96' T 85.49' E 0.48'	PC STA 29+62.47 N: 1098132.17 E: 940137.79	PI STA 30+47.96 N: 1098054.45 E: 940173.40	PT STA 31+33.43 N: 1097975.96 E: 940207.27

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THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

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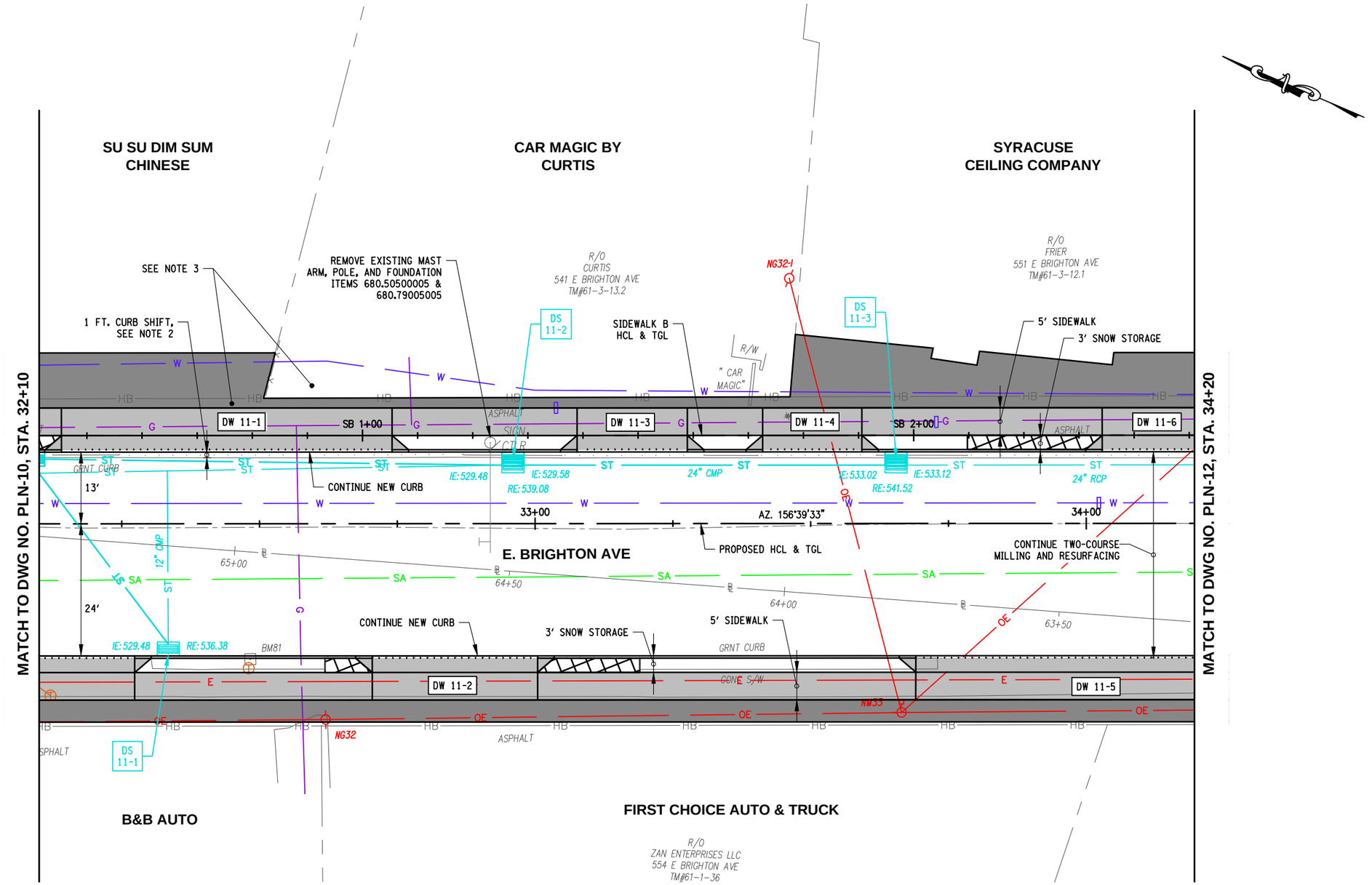
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LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
- DS X-XX — DRAINAGE STRUCTURE NUMBER (SEE TABLES ON DWG DRT-01 TO 04)

NOTES:

1. SEE MST DWGS FOR PROPERTY RELEASE TABLE, MILLING TABLE, HYDRANT TABLE, CURB AND UNDERDRAIN TABLE, CONCRETE SIDEWALK TABLE, ASPHALT SNOW STORAGE TABLE & MANHOLE AND VALVE ADJUSTMENT TABLE.
2. EAST CURB LINE TO BE SHIFTED 1 FT. LT FROM THURBER ST TO AINSLEY DR. SEE TYP & MSD DWGS FOR ADDITIONAL INFORMATION.
3. REMOVE ASPHALT GUTTER FROM DS 10-7 TO STA 32+51. PARKING LOTS SHALL HAVE CONTINUOUS GRADE TOWARDS ROAD AND DS 10-8.

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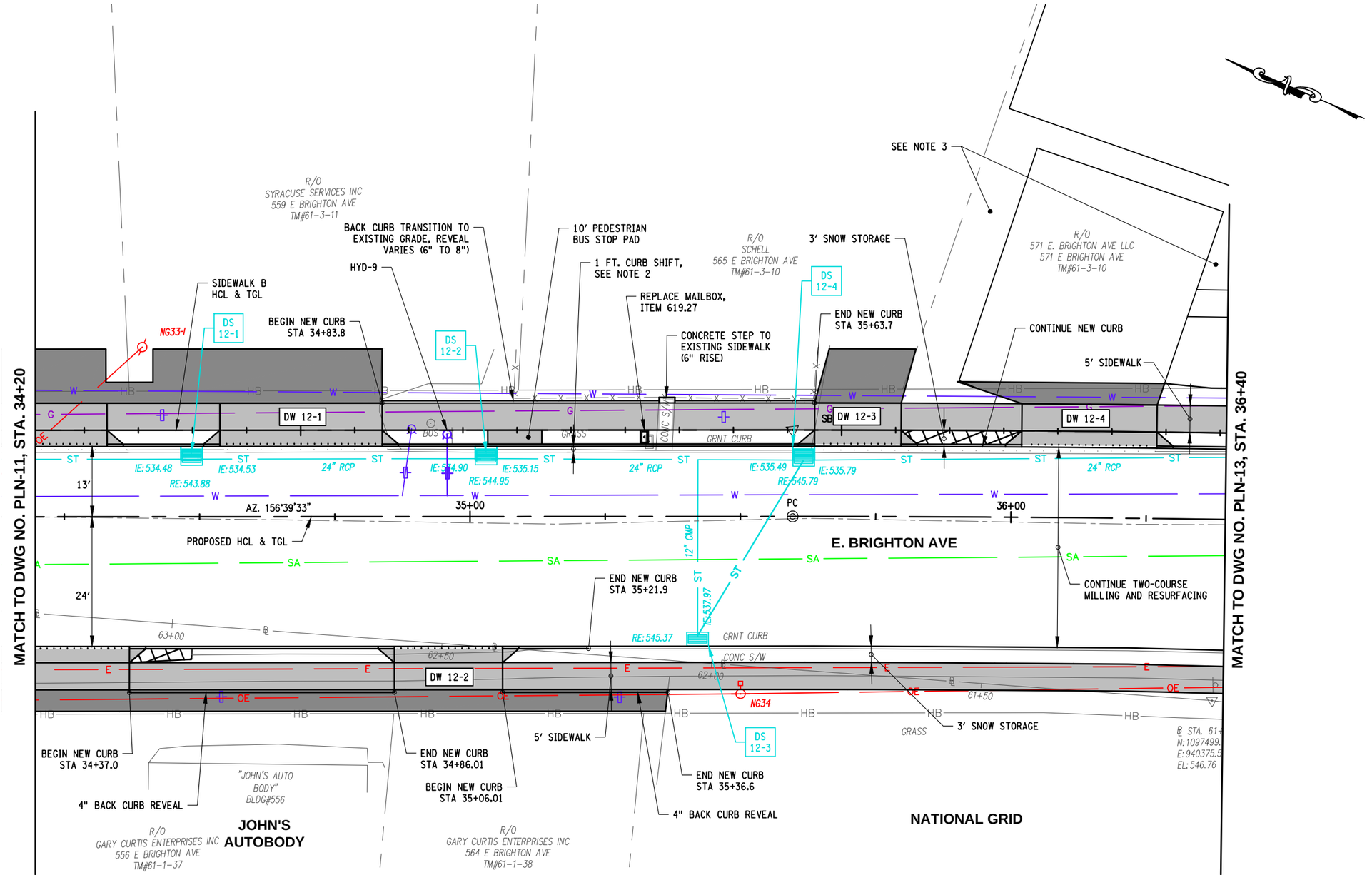
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LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
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- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
- DS X-XX — DRAINAGE STRUCTURE NUMBER (SEE TABLES ON DWG DRT-01 TO 04)

NOTES:

1. SEE MST DWGS FOR PROPERTY RELEASE TABLE, MILLING TABLE, HYDRANT TABLE, CURB AND UNDERDRAIN TABLE, CONCRETE SIDEWALK TABLE, ASPHALT SNOW STORAGE TABLE & MANHOLE AND VALVE ADJUSTMENT TABLE.
2. EAST CURB LINE TO BE SHIFTED 1 FT. LT FROM THURBER ST TO AINSLEY DR. SEE TYP & MSD DWGS FOR ADDITIONAL INFORMATION.
3. PROPERTY OWNER TO REMOVE EXISTING ASPHALT PAVEMENT OUTSIDE OF HIGHWAY BOUNDARY AND RESTORE WITH GREEN SPACE AS SHOWN.

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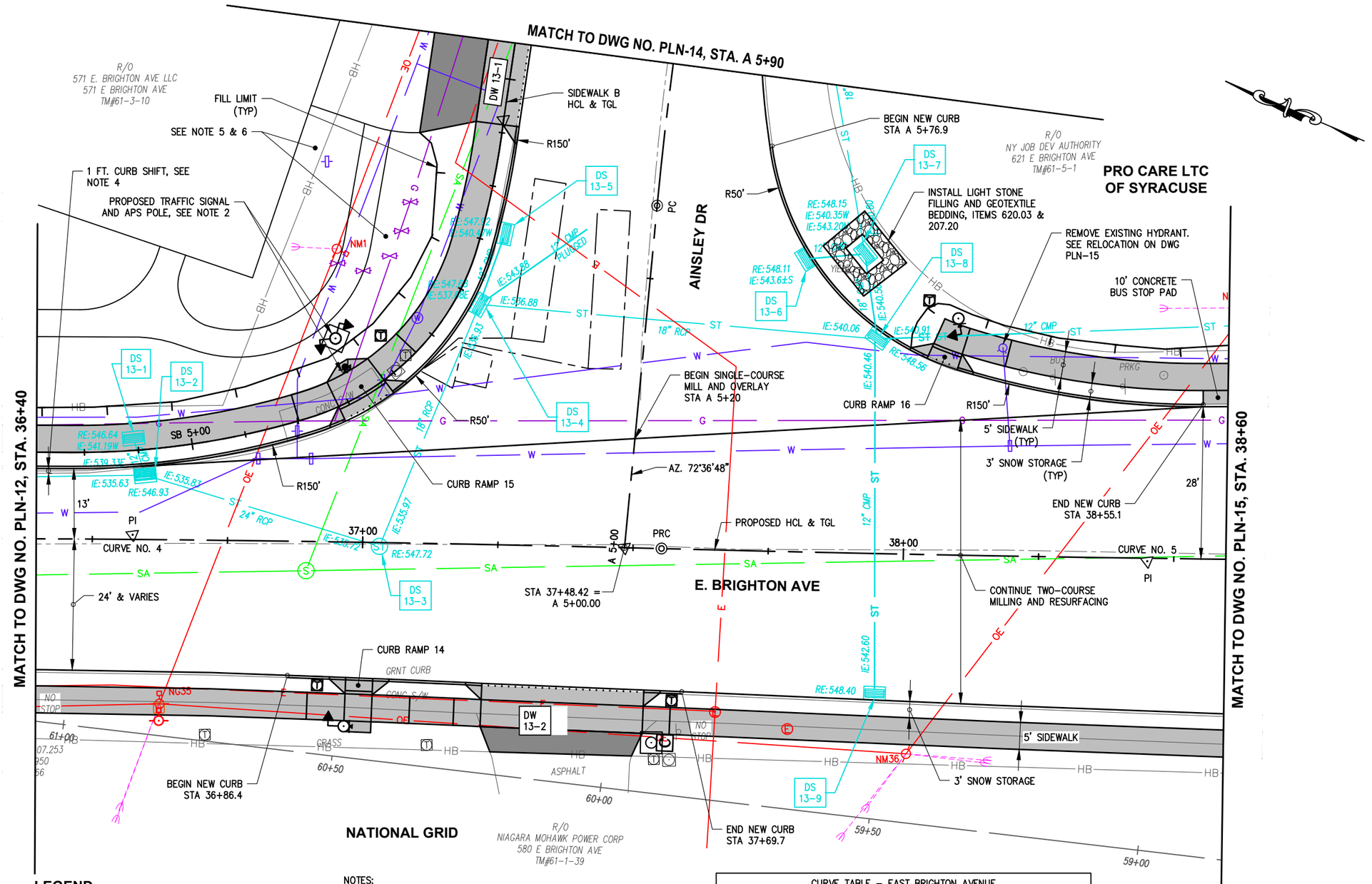
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GENERAL PLAN

PLN-12

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LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
- DS X-XX — DRAINAGE STRUCTURE NUMBER (SEE TABLES ON DWG DRT-01 TO 04)

NOTES:

1. SEE MST DWGS FOR PROPERTY RELEASE TABLE, MILLING TABLE, HYDRANT TABLE, CURB AND UNDERDRAIN TABLE, CONCRETE SIDEWALK TABLE, ASPHALT SNOW STORAGE TABLE & MANHOLE AND VALVE ADJUSTMENT TABLE.
2. SEE CRD DWGS FOR CURB RAMP DETAILS.
3. SEE TSN & TSP DWGS FOR TRAFFIC SIGNAL NOTES AND PLANS.
4. EAST CURB LINE TO BE SHIFTED 1 FT. LT FROM THURBER ST TO AINSLEY DR. SEE TYP & MSD DWGS FOR ADDITIONAL INFORMATION.
5. REMOVE ASPHALT GUTTER FROM A 6+57 TO DS 13-1. PARKING LOTS SHALL HAVE CONTINUOUS GRADE TOWARDS ROAD.
6. PROPERTY OWNER TO REMOVE EXISTING ASPHALT PAVEMENT OUTSIDE OF HIGHWAY BOUNDARY AND RESTORE WITH GREEN SPACE AS SHOWN.

CURVE TABLE – EAST BRIGHTON AVENUE

CURVE NO. 4	R 5620.37' Δ 1°59'40" D 1°01'10" L 195.64' T 97.83' E 0.85'	PC STA 35+59.64 N: 1097584.64 E: 940376.13	PI STA 36+57.47 N: 1097494.82 E: 940414.89	PT STA 37+55.28 N: 1097403.70 E: 940450.50
CURVE NO. 5	R 7367.99' Δ 1°23'49" D 0°46'39" L 179.64' T 89.82'	PC STA 37+55.28 N: 1097403.69 E: 940450.51	PI STA 38+45.11 N: 1097320.03 E: 940483.20	PT STA 39+34.92 N: 1097237.19 E: 940517.93

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 126

CHANGES INCLUDE:
1. RELOCATED SIGNAL POLE AT NE CORNER. CHANGED PEDESTRIAN POLE TO APS POLE.
2. ADDED ACCESSIBLE PAD AT CURB RAMP 15.

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2/11/2026

STATE OF NEW YORK · DOUGLAS OWEN STANGER · LIC. NO. 073781 · LICENSED PROFESSIONAL ENGINEER

Syracuse

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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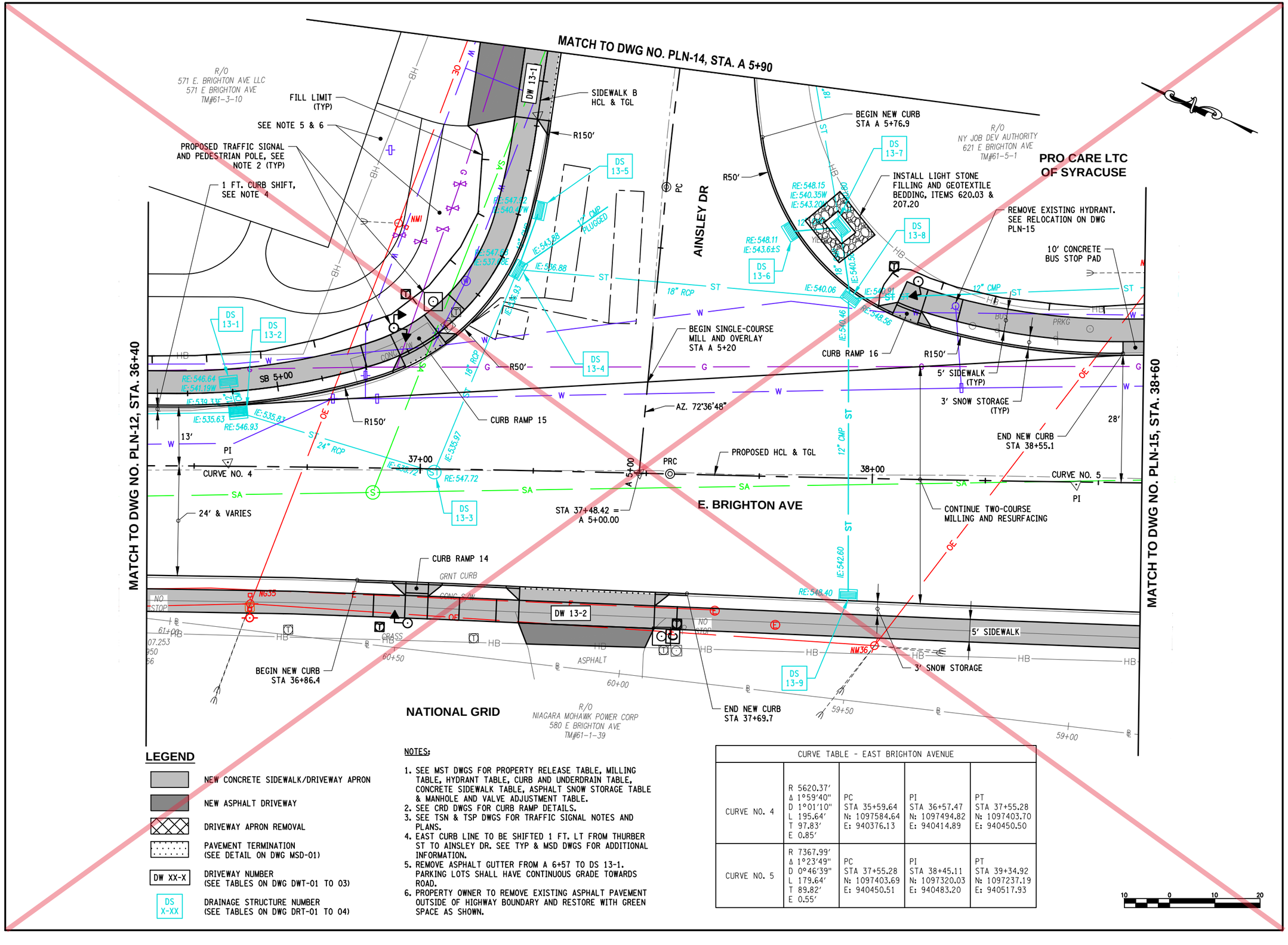
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PLN-13

SHEET 126R1 OF 241

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LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
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CURVE TABLE - EAST BRIGHTON AVENUE				
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Syracuse

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THURBER STREET TO CITY LIMIT

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PIN 3756.80

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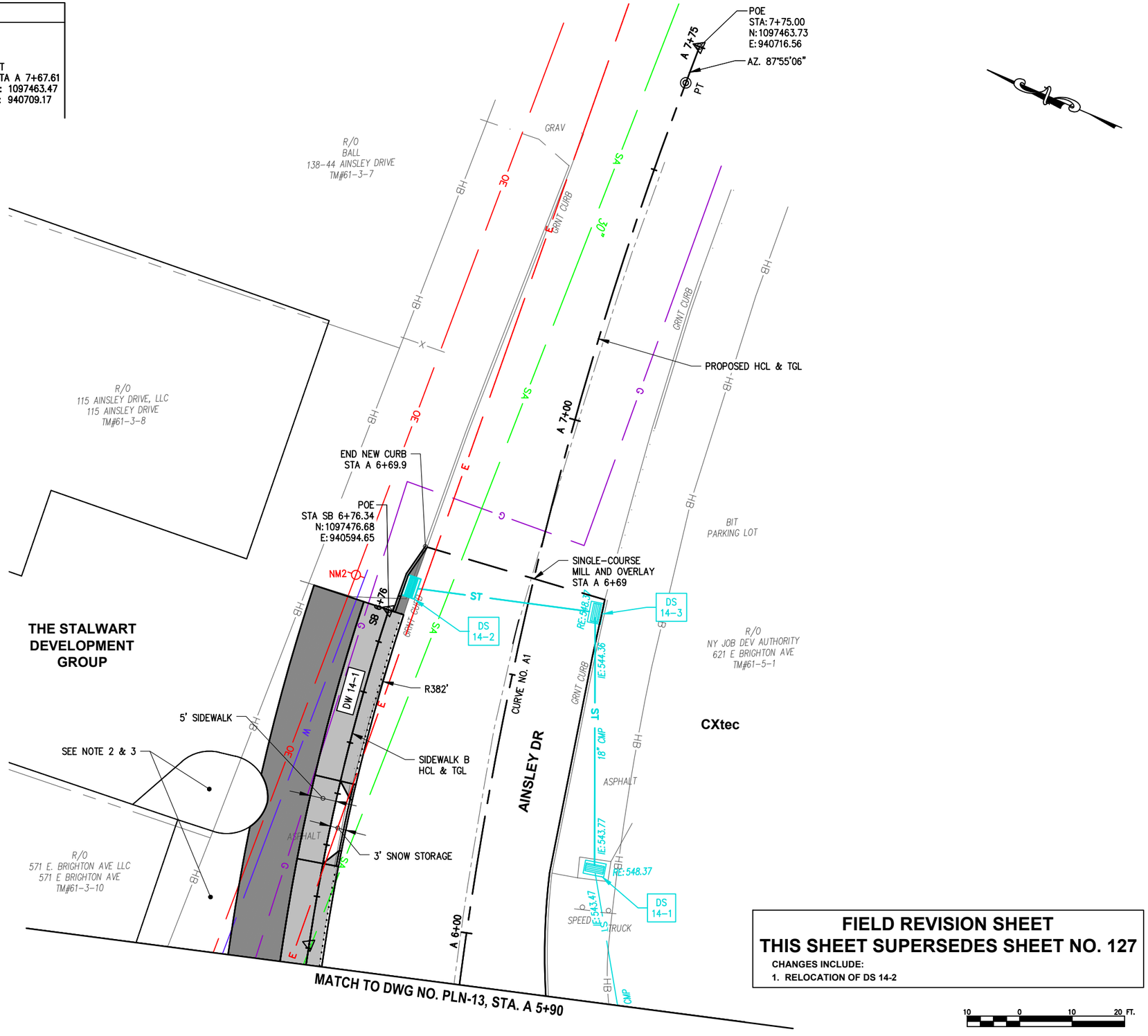
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CURVE TABLE – AINSLEY DRIVE				
CURVE NO. A1	R 763.94' Δ 15°18'18" D 7°30'00" L 204.06' T 102.64' E 6.80'	PC STA A 5+63.54 N: 1097429.07 E: 940508.64	PI STA A 6+66.19 N: 1097459.74 E: 940606.60	PT STA A 7+67.61 N: 1097463.47 E: 940709.17



LEGEND

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FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 127

CHANGES INCLUDE:
1. RELOCATION OF DS 14-2

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2/11/2026

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Syracuse New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

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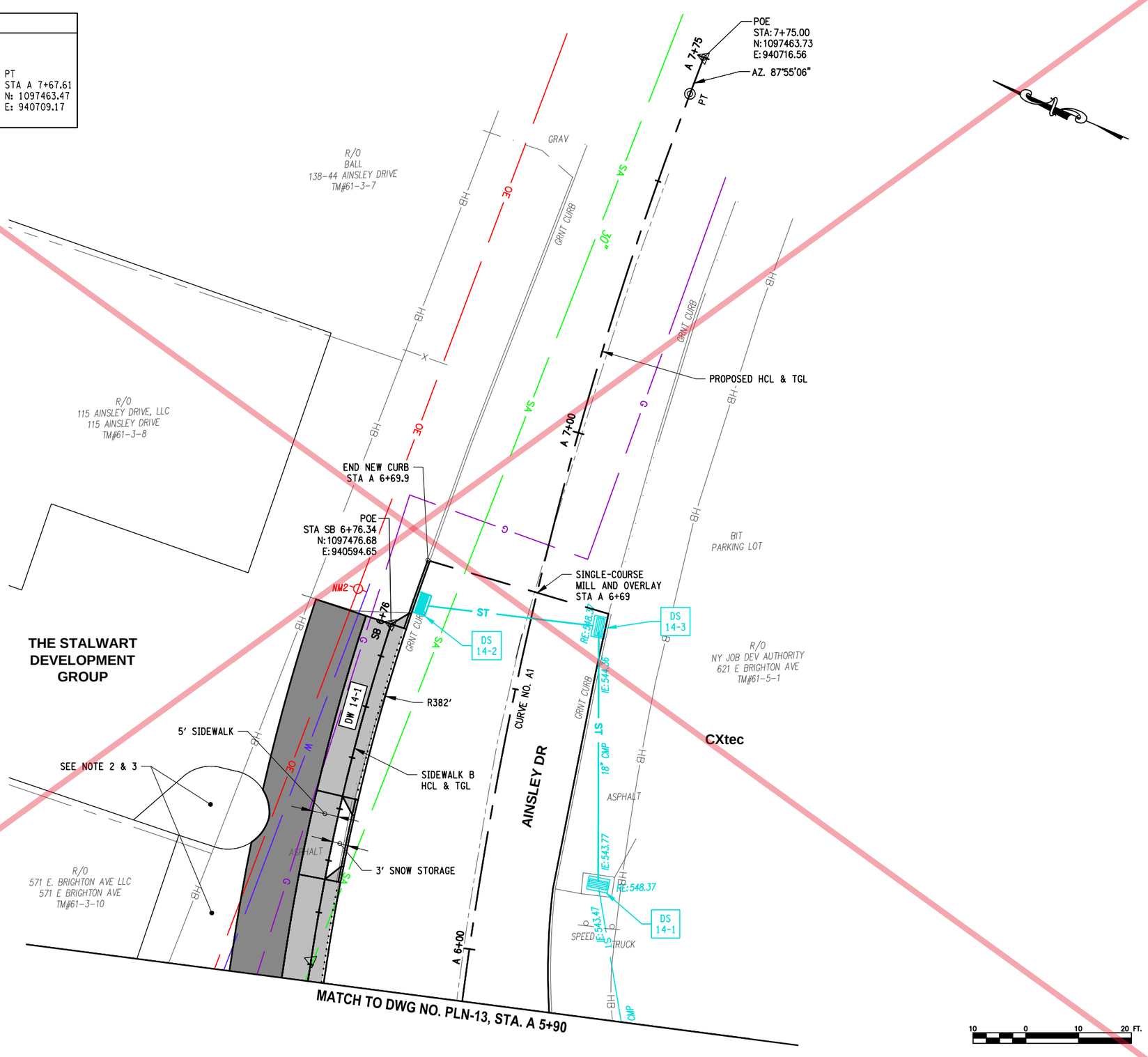
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SHEET 127R1 OF 241

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CURVE TABLE - AINSLEY DRIVE				
CURVE NO. A1	R 763.94' Δ 15°18'18" D 7°30'00" L 204.06' T 102.64' E 6.80'	PC STA A 5+63.54 N: 1097429.07 E: 940508.64	PI STA A 6+66.19 N: 1097459.74 E: 940606.60	PT STA A 7+67.61 N: 1097463.47 E: 940709.17



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EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

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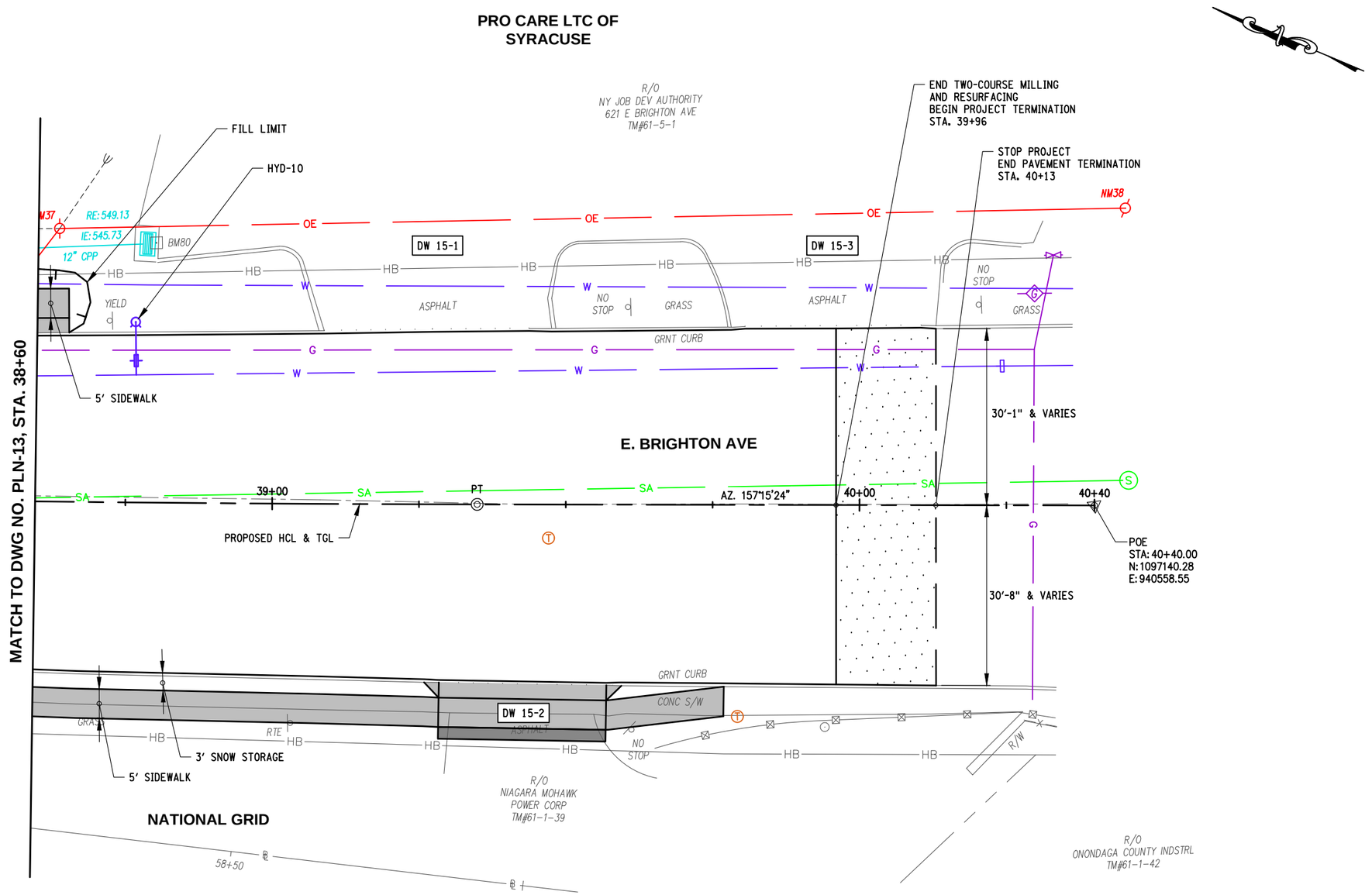
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PLN-14

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PRO CARE LTC OF SYRACUSE



LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
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Syracuse New York

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EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
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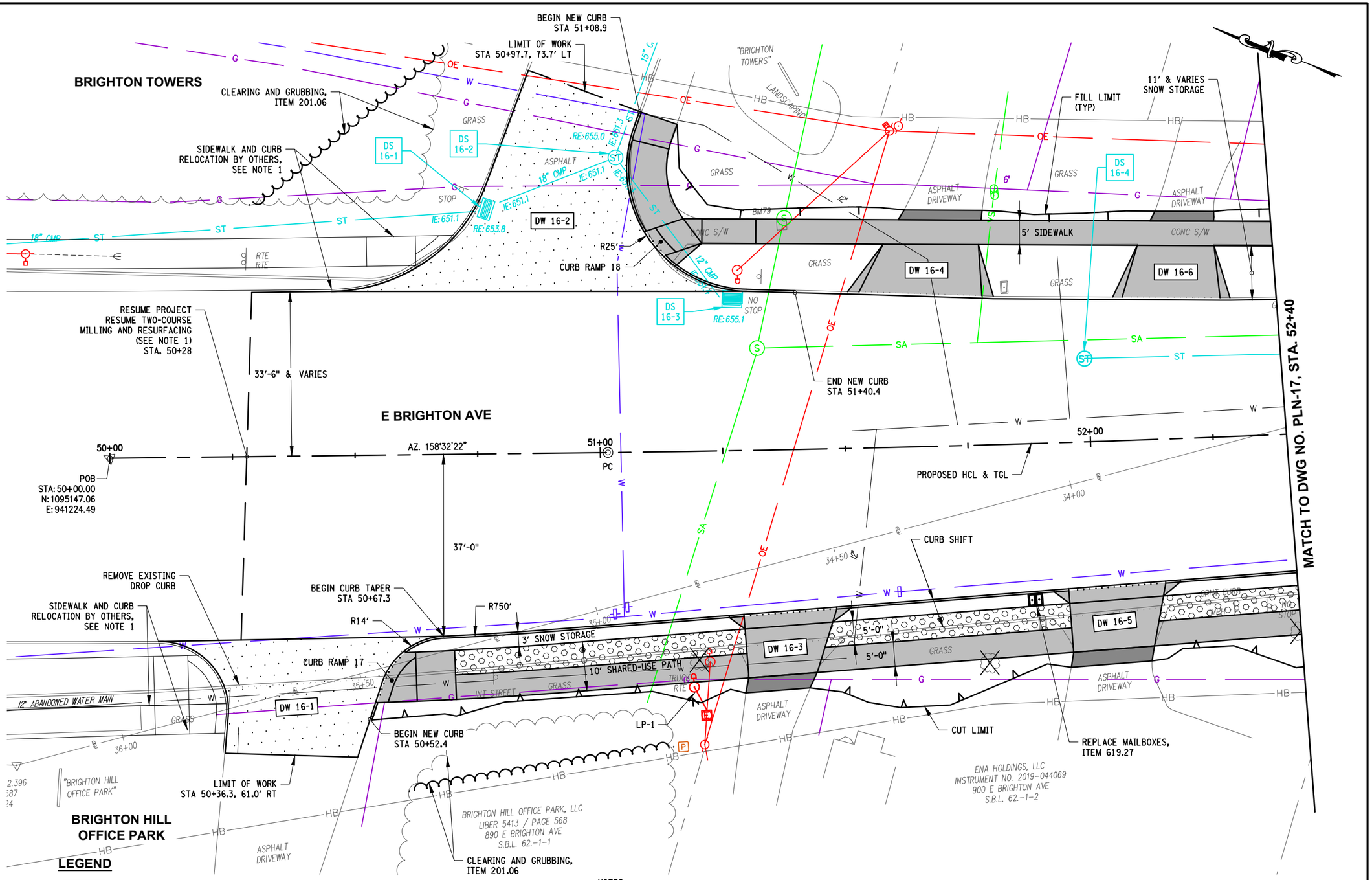
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GENERAL PLAN

PLN-15

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NOTES:

1. PROJECT TO MEET I-81 VIADUCT PROJECT - PHASE 2, CONTRACT 2 (D900056). SEE NOTE "COORDINATION WITH OTHER CONSTRUCTION" ON DWG. GEN-02 FOR ADDITIONAL INFORMATION.
2. SEE MST DWGS FOR PROPERTY RELEASE TABLE, MILLING TABLE, HYDRANT TABLE, CURB AND UNDERDRAIN TABLE, CONCRETE SIDEWALK TABLE, ASPHALT SNOW STORAGE TABLE & MANHOLE AND VALVE ADJUSTMENT TABLE.
3. SEE CRD DWGS FOR CURB RAMP DETAILS.
4. SEE PLP DWGS FOR PLANTING PLANS, SCHEDULE AND DETAILS.

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Syracuse New York

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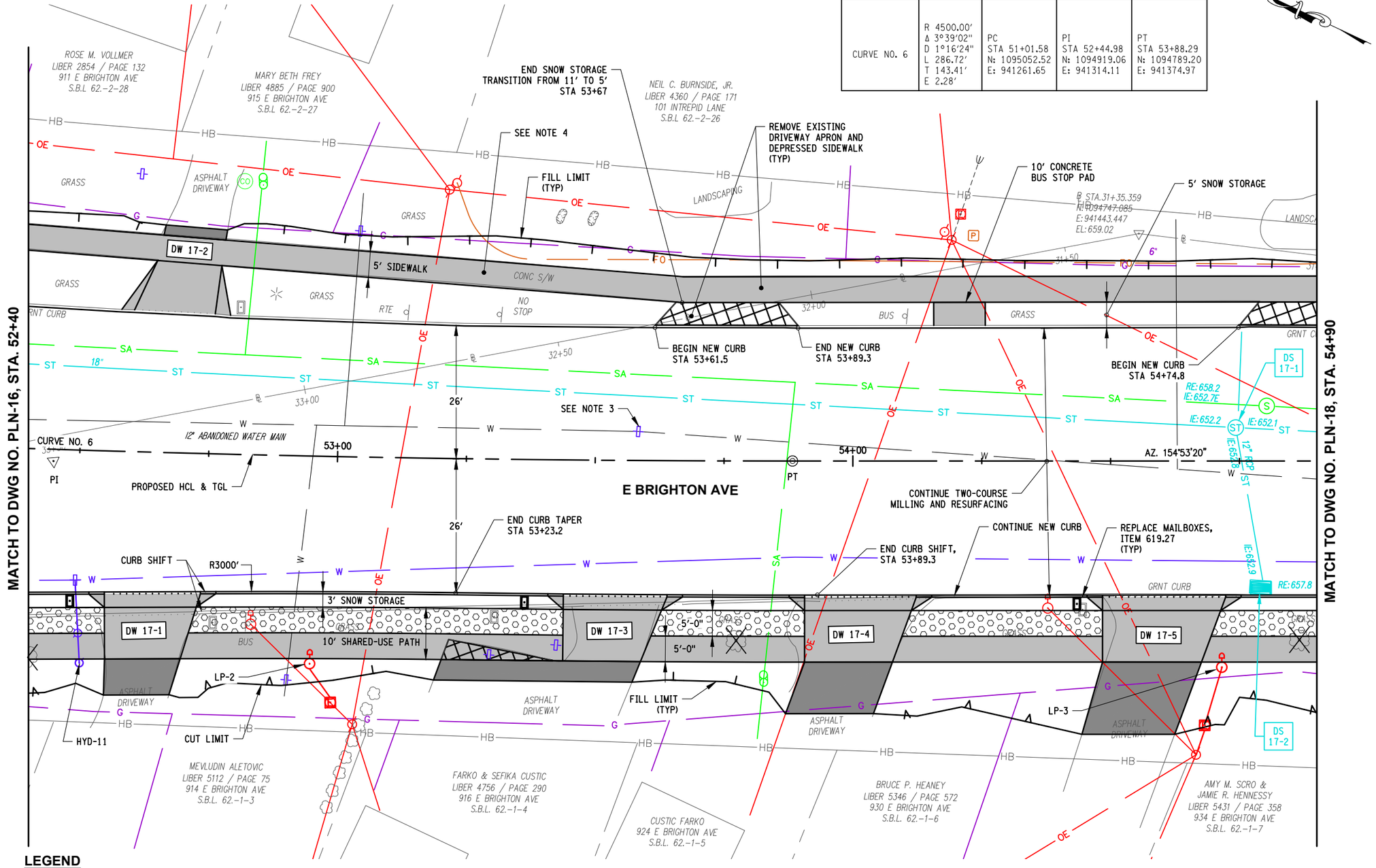
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PLN-16

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City of Syracuse

CURVE TABLE - EAST BRIGHTON AVENUE				
CURVE NO. 6	R 4500.00' Δ 3°39'02" D 1°16'24" L 286.72' T 143.41' E 2.28'	PC STA 51+01.58 N: 1095052.52 E: 941261.65	PI STA 52+44.98 N: 1094919.06 E: 941314.11	PT STA 53+88.29 N: 1094789.20 E: 941374.97



LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- POROUS ASPHALT
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
- DS X-XX — DRAINAGE STRUCTURE NUMBER (SEE TABLES ON DWG DRT-01 TO 04)
- STUMP REMOVAL (ITEM 614.0702)

NOTES:

1. SEE MST DWGS FOR PROPERTY RELEASE TABLE, MILLING TABLE, HYDRANT TABLE, CURB AND UNDERDRAIN TABLE, CONCRETE SIDEWALK TABLE, ASPHALT SNOW STORAGE TABLE & MANHOLE AND VALVE ADJUSTMENT TABLE.
2. SEE PLP DWGS FOR PLANTING PLANS, SCHEDULE AND DETAILS.
3. REMOVE EXISTING WATER VALVE BOX IN ABANDONED WATER MAIN. COST TO BE PAID FOR UNDER ITEM 663.52000004.
4. PROPOSED SIDEWALK AND SNOW STORAGE SHALL HAVE POSITIVE DRAINAGE TOWARDS ROAD. RAISE SIDEWALK BY REMOVING THE DEPRESSION FROM STA 52+77 TO 54+35.

10 0 10 20

NOTES:

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Syracuse New York

EAST BRIGHTON AVENUE 2R PAVING PROJECT

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GENERAL PLAN

PLN-17

130 of 241

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City of Syracuse\119 -

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CURVE TABLE - EAST BRIGHTON AVENUE				
CURVE NO. 7	R 2292.01′ Δ 10°39′30" D 2°29′59" L 426.37′ T 213.80′ E 9.91′	PC STA 55+00.43 N: 1094687.67 E: 941422.56	PI STA 57+14.23 N: 1094494.07 E: 941513.29	PT STA 59+26.80 N: 1094287.04 E: 941566.65

BRIGHTON COMMONS

INTREPID LN

E BRIGHTON AVE

MATCH TO DWG NO. PLN-17, STA. 54+90

MATCH TO DWG NO. PLN-19, STA. 57+40

LIMIT OF WORK STA 55+66.8, 50.7′ LT

END NEW CURB WITH 5′ TERMINATION STA 55+52.6

PROPOSED TRAFFIC SIGNAL AND PEDESTRIAN POLE, SEE NOTE 3 (TYP)

BEGIN NEW CURB WITH 5′ TERMINATION STA 55+81.1

END NEW CURB STA 56+05.3

BRIGHTON COMMONS PARTNERSHIP
LIBER 3653 / PAGE 153
100 INTREPID LANE
S.B.L. 62.-2-14

REMOVE OVERHEAD SIGN STRUCTURE, ITEM 647.21

REMOVE EXISTING DRIVEWAY APRON AND DEPRESSED SIDEWALK (TYP)

END NEW CURB STA 55+05.3

BEGIN NEW CURB STA 55+28.2

CURB RAMP 19

CURB RAMP 20

5′ SIDEWALK

5′ SNOW STORAGE

BEGIN NEW CURB STA 56+77.5

END NEW CURB STA 57+14.3

CONTINUE TWO-COURSE MILLING AND RESURFACING

PROPOSED HCL & TGL

SEE NOTE 4

CURB RAMP 21

CURB RAMP 22

3′ SNOW STORAGE

12" ABANDONED WATER MAIN

CURVE NO. 7

DW 18-1

DW 18-2

ASPHALT DRIVEWAY

GRASS

CONC S/W

CONC

10′ SHARED-USE PATH

5′-0"

HYD-12

CURB RAMP 23

CUT LIMIT

REPLACE MAILBOXES, ITEM 619.27 (TYP)

CLEARING AND GRUBBING, ITEM 201.06

INSTALL LIGHT STONE FILLING AND GEOTEXTILE BEDDING TO TOE OF SLOPE, ITEMS 620.03 & 207.20

GAS MARKER TO BE RELOCATED (BY OTHERS)

FILL LIMIT (TYP)

AMY M. SCRO & JAMIE R. HENNESSY
LIBER 5431 / PAGE 358
934 E BRIGHTON AVE
S.B.L. 62.-1-7

MMCA PROPERTIES, LLC
LIBER 5436 / PAGE 228
994 E BRIGHTON AVE
S.B.L. 62.-1-8

CITY OF SYRACUSE TD
LIBER 3241 / PAGE 139
952 E BRIGHTON AVE
S.B.L. 62.-1-9

Concrete Monument

DS 18-1 IE: 654.7

DS 18-2 IE: 651.7

DS 18-3 RE: 659.4

IE: 650.8 RE: 659.8 PI

IE: 650.6

12" RCP

18" RCP

LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- POROUS ASPHALT
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Syracuse New York

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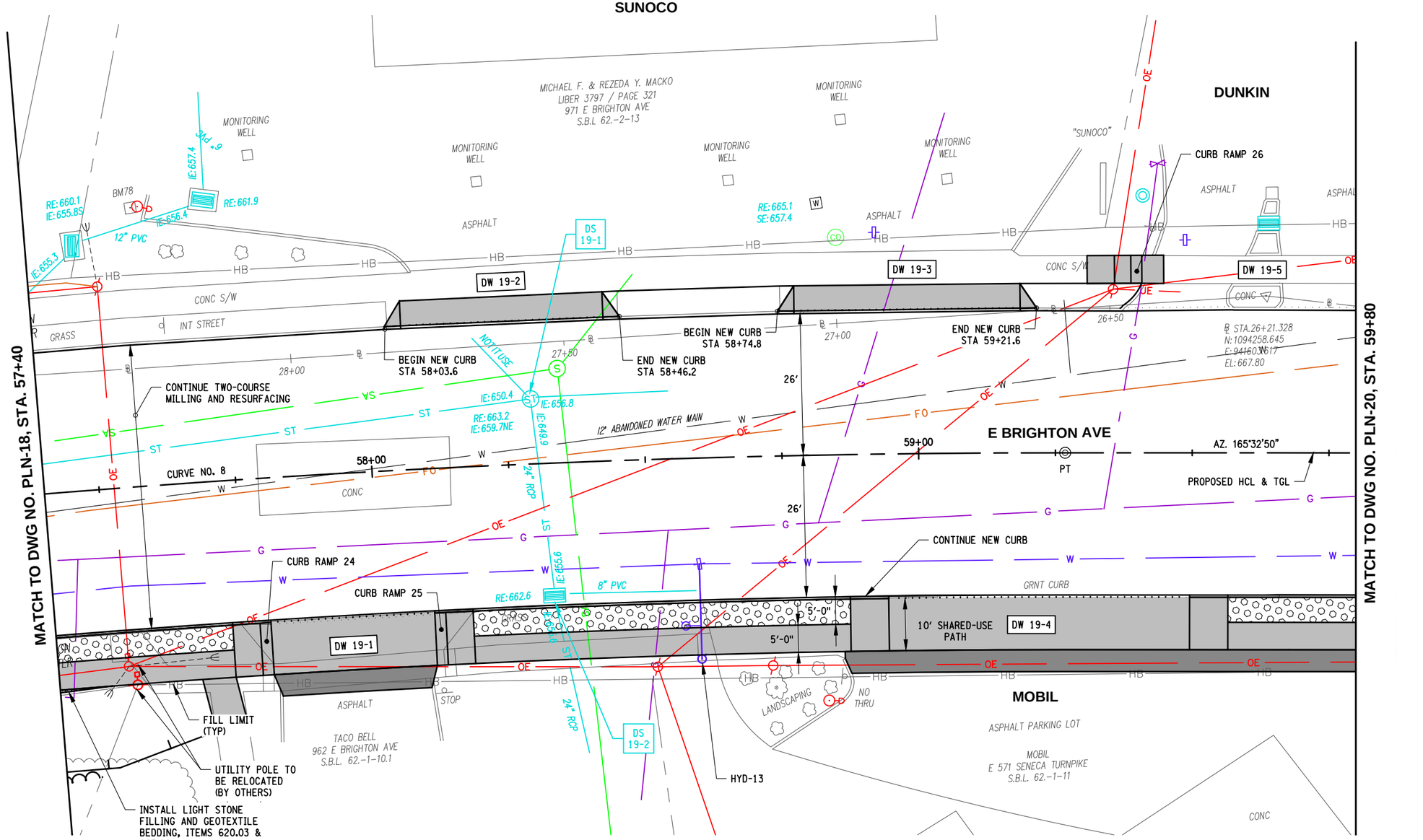
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GENERAL PLAN

PLN-18

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LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- POROUS ASPHALT
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
- DS X-XX — DRAINAGE STRUCTURE NUMBER (SEE TABLES ON DWG DRT-01 TO 04)

NOTES:

1. SEE MST DWGS FOR PROPERTY RELEASE TABLE, MILLING TABLE, HYDRANT TABLE, CURB AND UNDERDRAIN TABLE, CONCRETE SIDEWALK TABLE, ASPHALT SNOW STORAGE TABLE & MANHOLE AND VALVE ADJUSTMENT TABLE.

10 0 10 20

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499 Col Eileen Collins Blvd,
Syracuse, NY 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

1/9/2025

STATE OF NEW YORK · DOUGLAS OWEN STRANGE · LICENSED PROFESSIONAL ENGINEER · NO. 073767

Syracuse New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

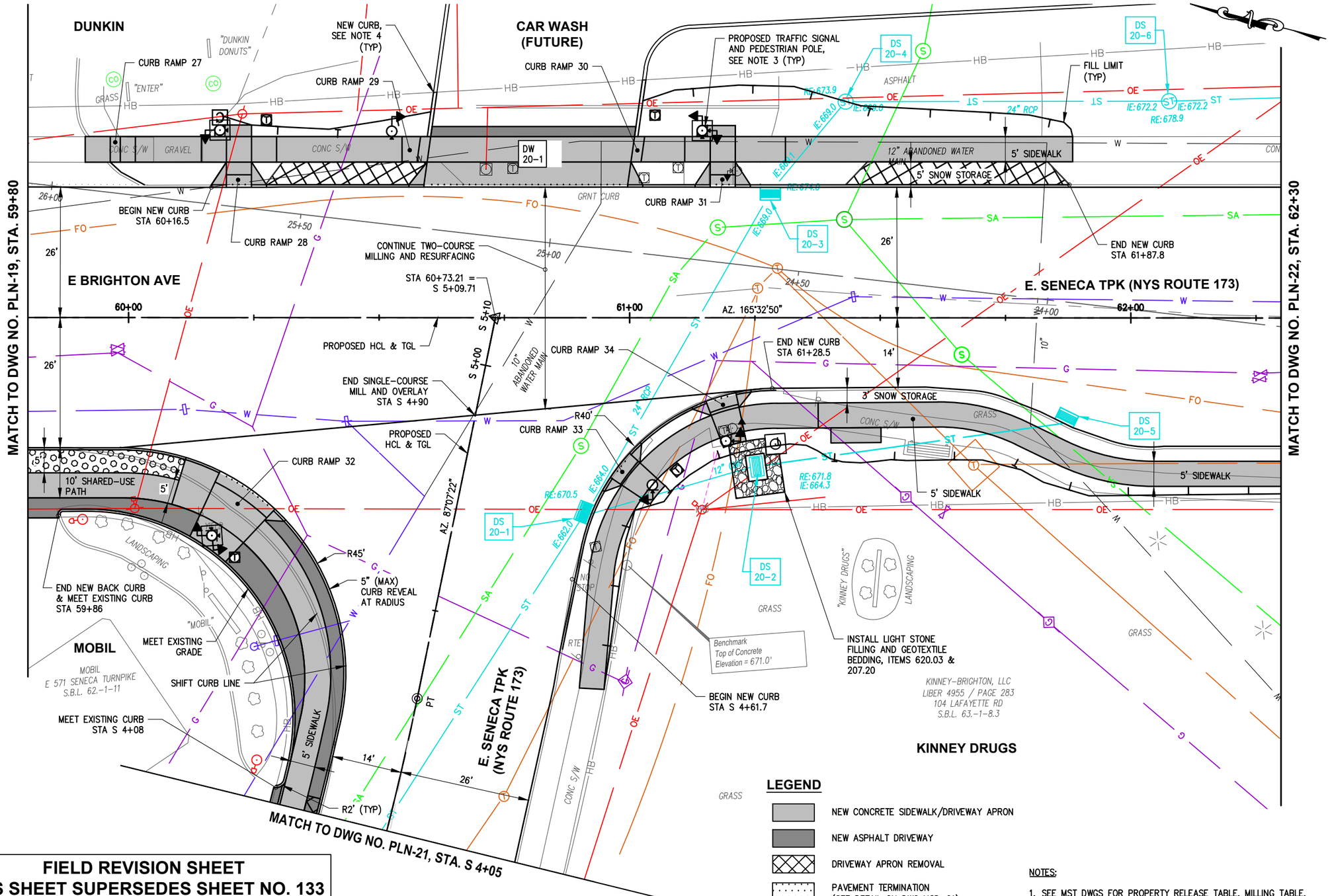
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GENERAL PLAN

PLN-19

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City of Syracuse



FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 133

CHANGES INCLUDE:

1. RELOCATION OF DS 20-5.
2. ADDED ACCESSIBILITY PADS TO ALL CURB RAMPS.
3. BACK CURB SHIFTED TO HIGHWAY BOUNDARY FOR ACCESSIBILITY.
4. ITEM 608.020102 ADDED TO SNOW STORAGE AREA AND BEHIND SIDEWALK AT NW CORNER OF E BRIGHTON AND E SENECA TPK.

LEGEND

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2. SEE CRD DWGS FOR CURB RAMP DETAILS.
3. SEE TSN & TSP DWGS FOR TRAFFIC SIGNAL NOTES AND PLANS.
4. CONTINUE DRIVEWAY CURB FROM HIGHWAY BOUNDARY TO SIDEWALK WITH 5 FT. TERMINATION. CURB TYPE TO MATCH CURB INSTALLED BY DEVELOPER.

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Syracuse New York

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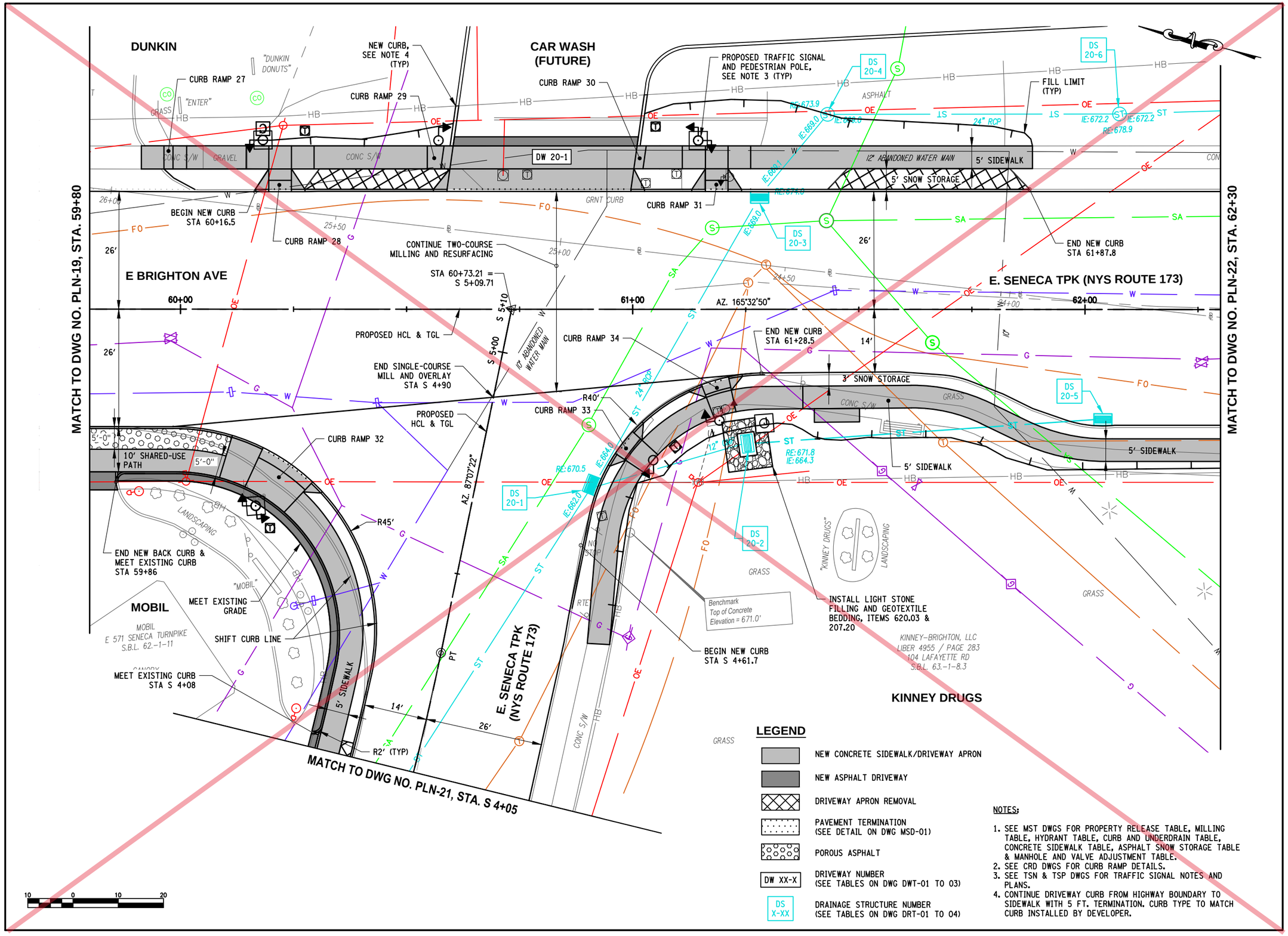
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PLN-20
SHEET 133R1 OF 241

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LEGEND

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Syracuse New York

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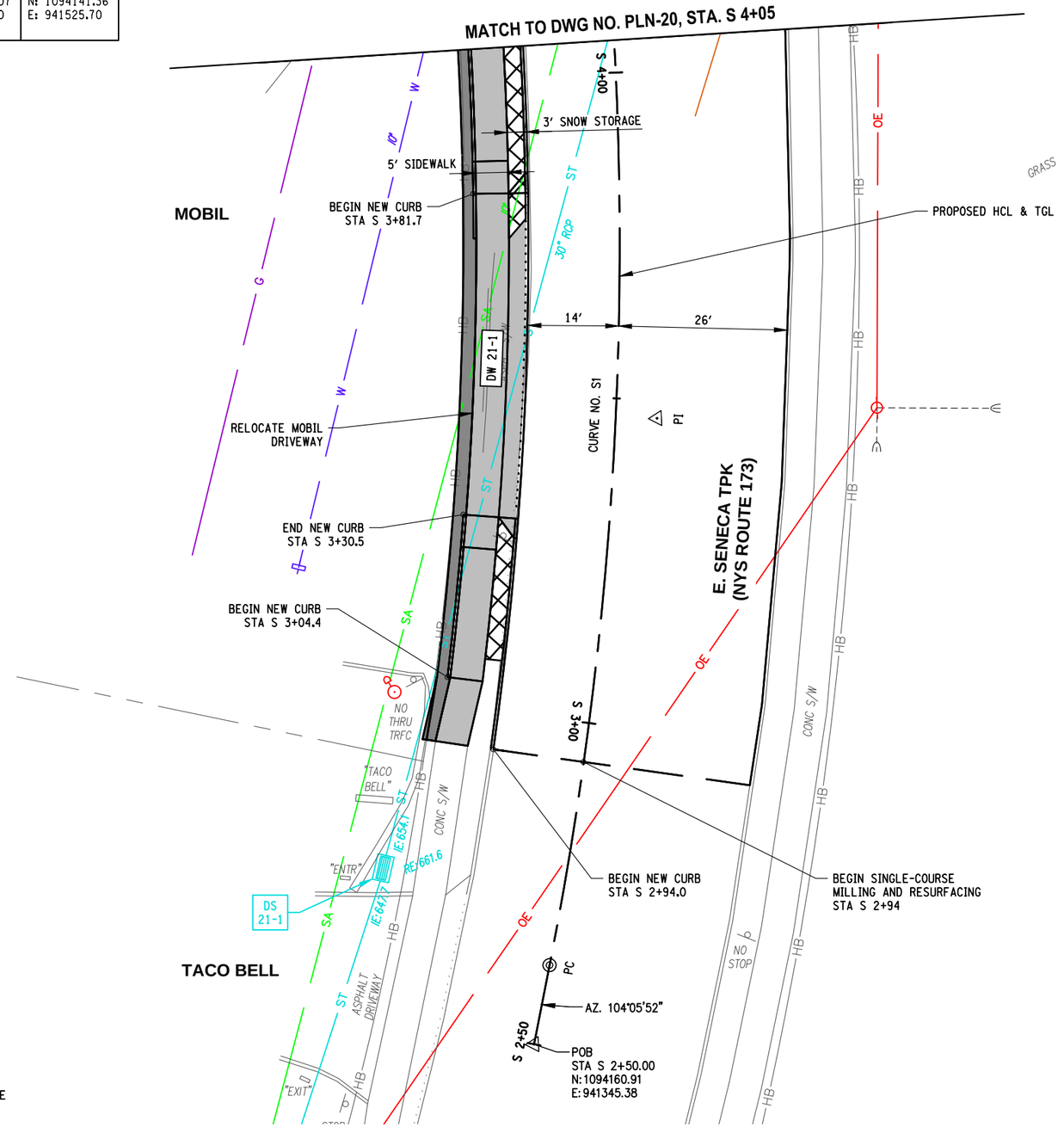
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CURVE TABLE - EAST SENECA TURNPIKE				
CURVE NO. S1	R 572.96′ Δ 16°58′30" D 10°00′00" L 169.75′ T 85.50′ E 6.28′	PC STA S 2+62.36 N: 1094157.90 E: 941357.37	PI STA S 3+47.87 N: 1094137.07 E: 941440.30	PT STA S 4+32.12 N: 1094141.36 E: 941525.70



LEGEND

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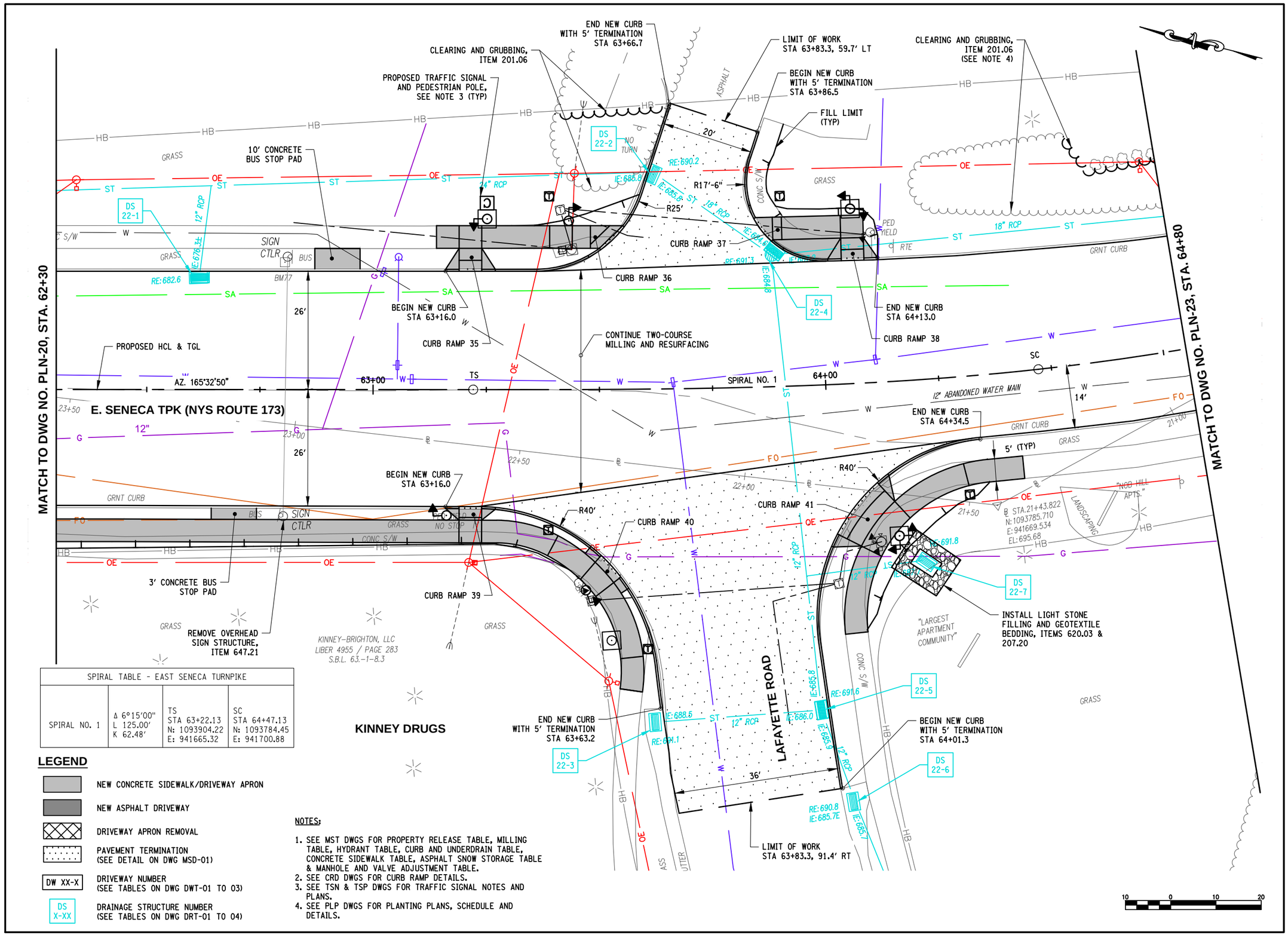
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SPIRAL TABLE - EAST SENECA TURNPIKE			
SPIRAL NO. 1	Δ 6°15'00" L 125.00' K 62.48'	TS STA 63+22.13 N: 1093904.22 E: 941665.32	SC STA 64+47.13 N: 1093784.45 E: 941700.88

LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
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NOTES:

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2. SEE CRD DWGS FOR CURB RAMP DETAILS.
3. SEE TSN & TSP DWGS FOR TRAFFIC SIGNAL NOTES AND PLANS.
4. SEE PLP DWGS FOR PLANTING PLANS, SCHEDULE AND DETAILS.

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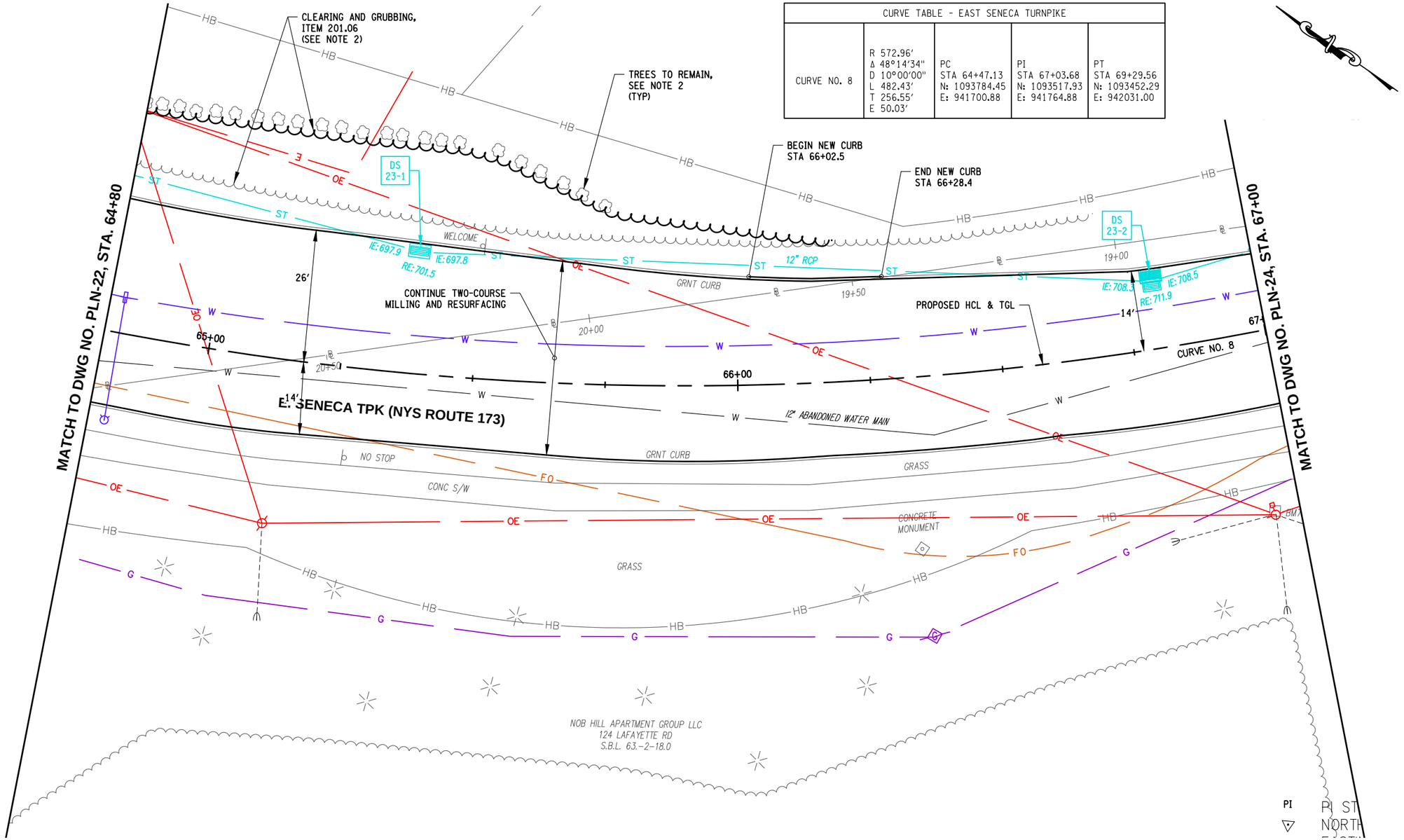
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PLN-22

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CURVE TABLE - EAST SENECA TURNPIKE				
CURVE NO. 8	R 572.96' Δ 48°14'34" D 10°00'00" L 482.43' T 256.55' E 50.03'	PC STA 64+47.13 N: 1093784.45 E: 941700.88	PI STA 67+03.68 N: 1093517.93 E: 941764.88	PT STA 69+29.56 N: 1093452.29 E: 942031.00

LEGEND

- NEW CONCRETE SIDEWALK/DRIVEWAY APRON
- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
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2. SEE PLP DWGS FOR PLANTING PLANS, SCHEDULE AND DETAILS.

10 0 10 20

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CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

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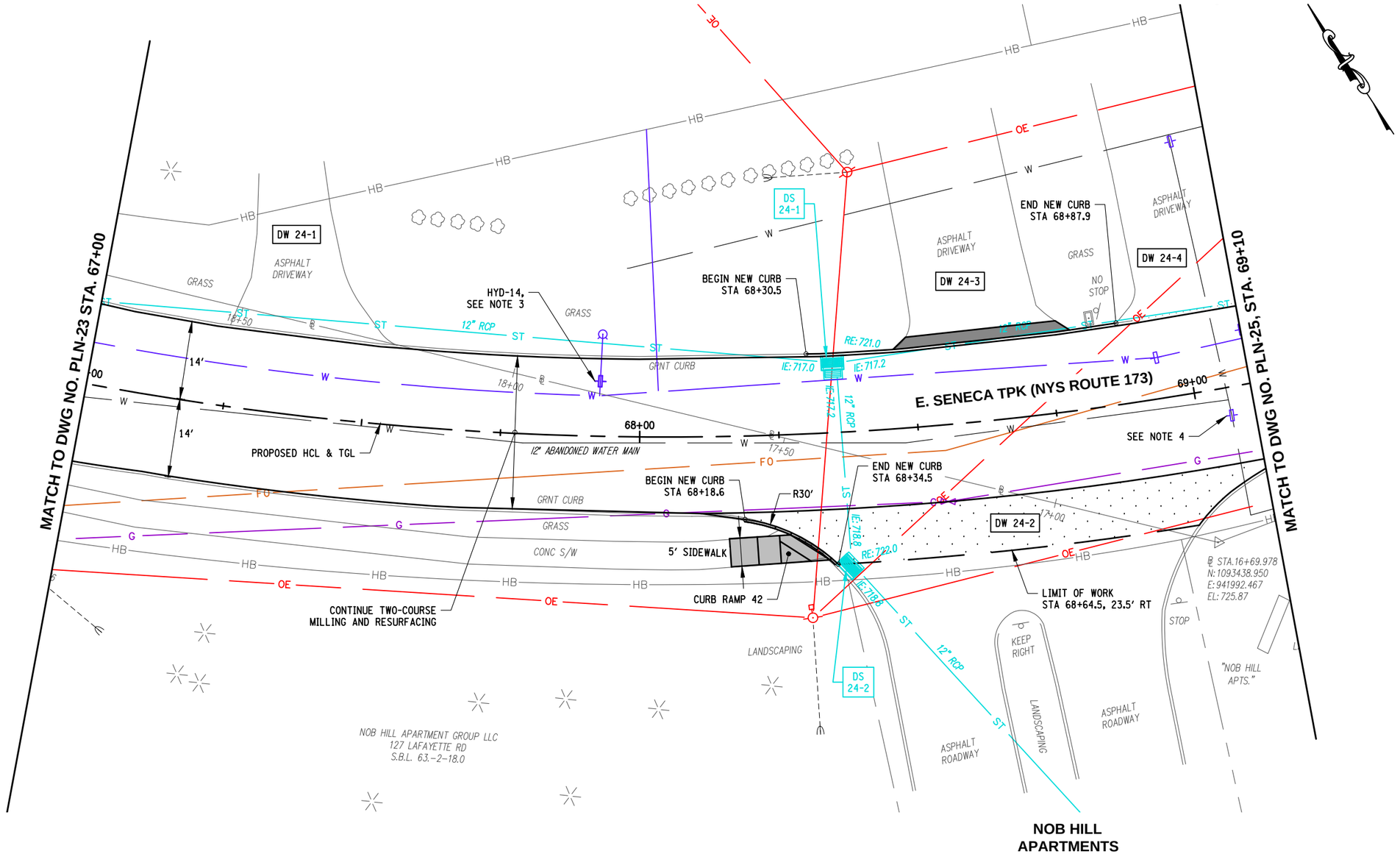
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LEGEND

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- NEW ASPHALT DRIVEWAY
- DRIVEWAY APRON REMOVAL
- PAVEMENT TERMINATION (SEE DETAIL ON DWG MSD-01)
- DW XX-X — DRIVEWAY NUMBER (SEE TABLES ON DWG DWT-01 TO 03)
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NOTES:

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2. SEE CRD DWGS FOR CURB RAMP DETAILS.
3. CONTRACTOR TO VERIFY A VALVE BOX WAS NEVER INSTALLED. IF NO VALVE BOX IS FOUND. FURNISH AND INSTALL NEW WATER VALVE BOX UNDER ITEM 663.51000004.
4. REMOVE EXISTING WATER VALVE BOX IN ABANDONED WATER MAIN. COST TO BE PAID FOR UNDER ITEM 663.52000004.

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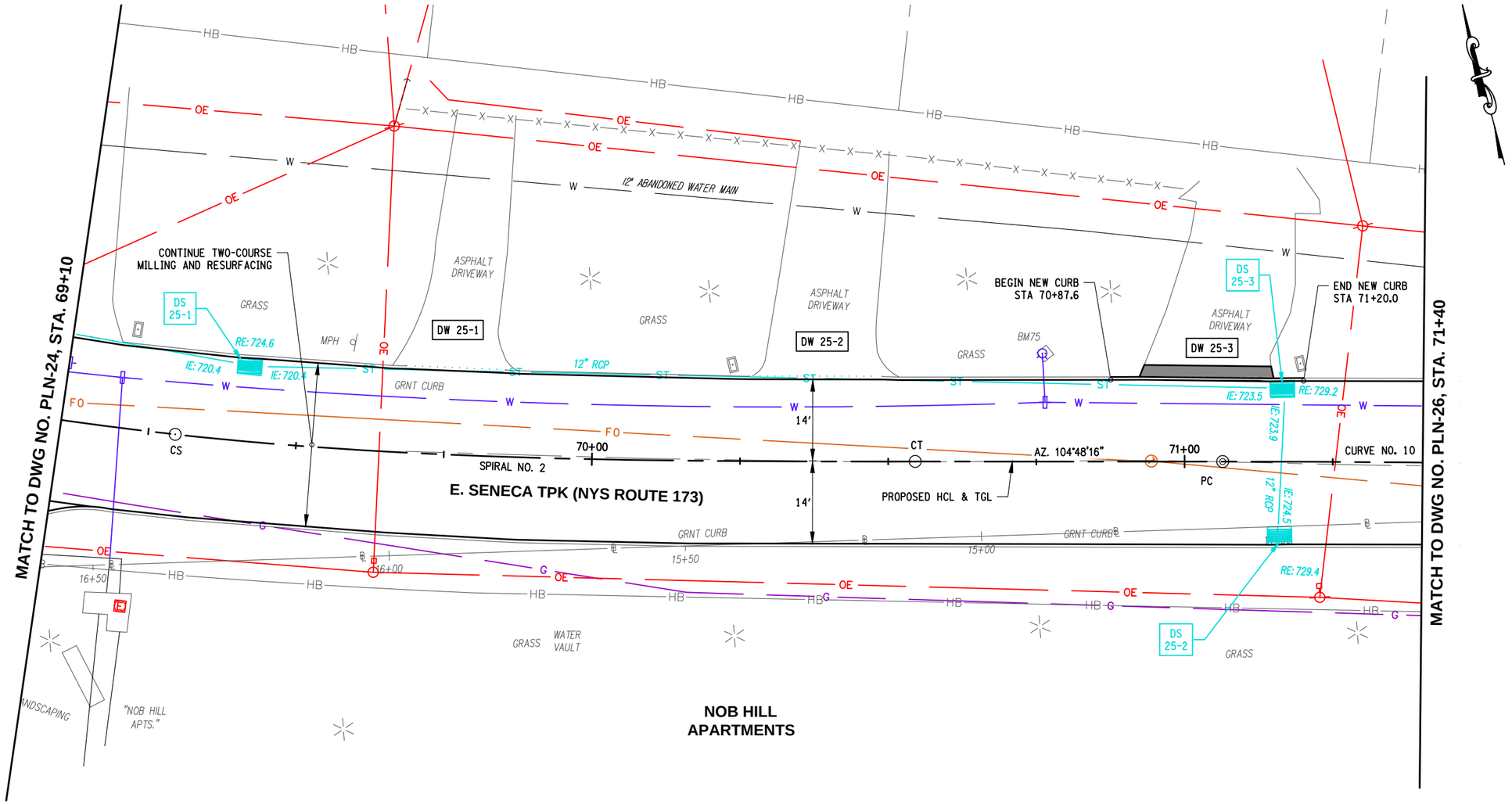
GENERAL PLAN

PLN-24

137 of 241

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SPIRAL TABLE - EAST SENECA TURNPIKE			
SPIRAL NO. 2	Δ 6°15'00" L 125.00' K 62.48'	CS STA 69+29.56 N: 1093452.29 E: 942031.00	ST STA 70+54.56 N: 1093416.00 E: 942150.55

LEGEND

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PLN-25

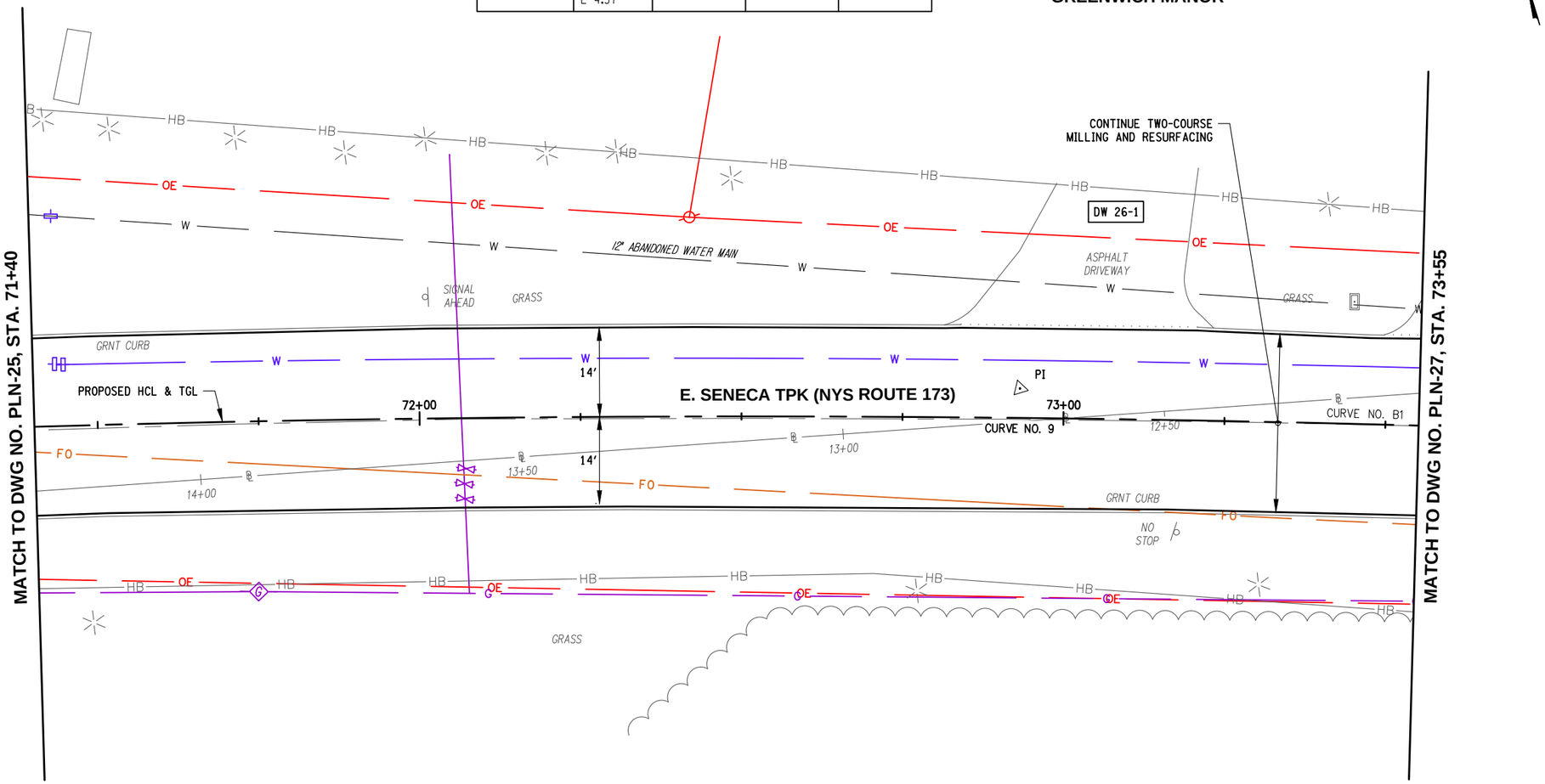
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CURVE TABLE - EAST SENECA TURNPIKE				
CURVE NO. 9	R 3818.72' Δ 5°36'14" D 1°30'01" L 373.49' T 186.89' E 4.57'	PC STA 71+06.45 N: 1093402.74 E: 942200.71	PI STA 72+93.34 N: 1093354.99 E: 942381.40	PT STA 74+79.93 N: 1093289.82 E: 942556.56

GREENWICH MANOR, LLC
LIBER 4571 / PAGE 309
679 E SENECA TURNPIKE
S.B.L 62.-2-4

GREENWICH MANOR



NOB HILL APARTMENT GROUP LLC
127 LAFAYETTE RD
S.B.L. 63.-2-18.0

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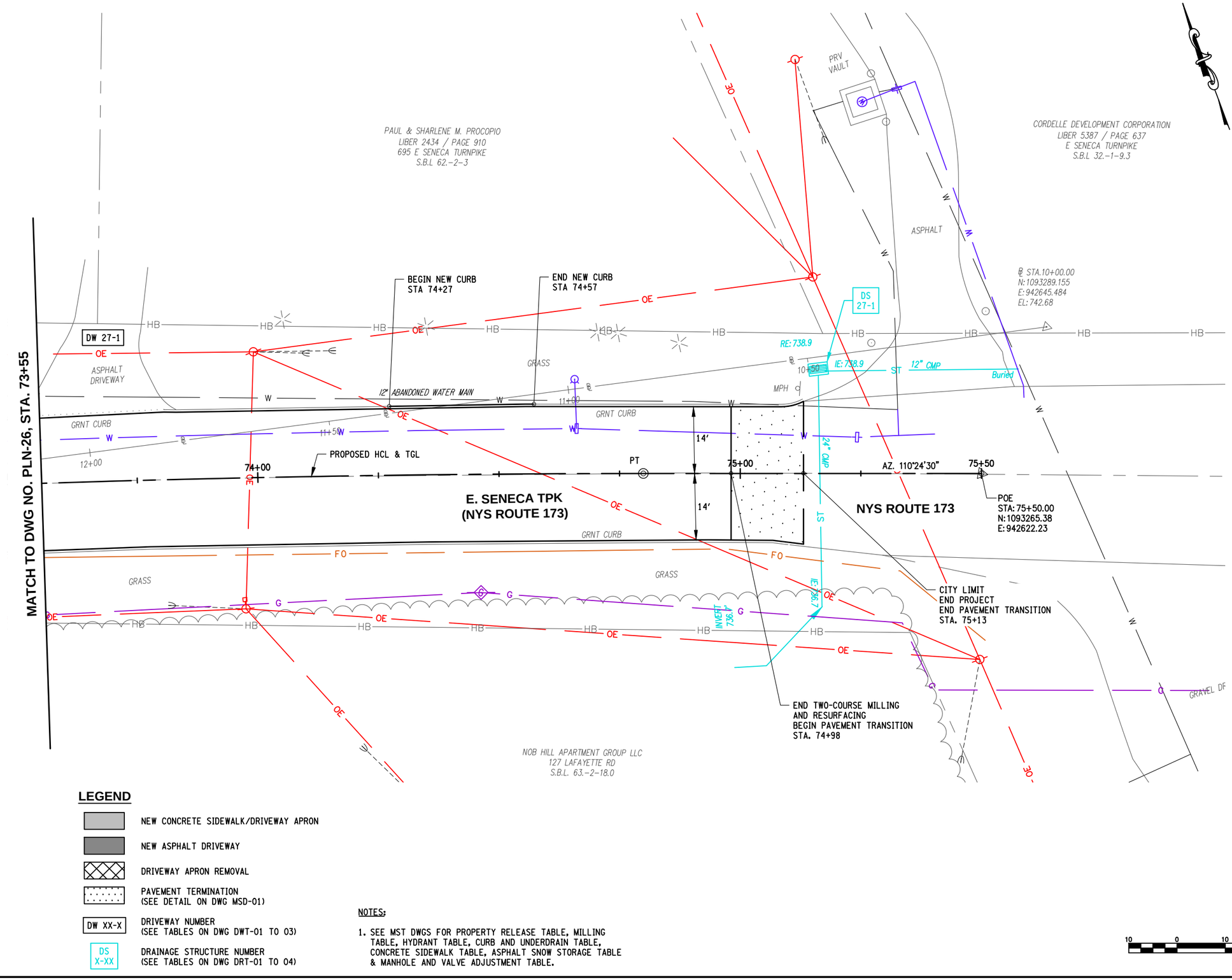
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LEGEND

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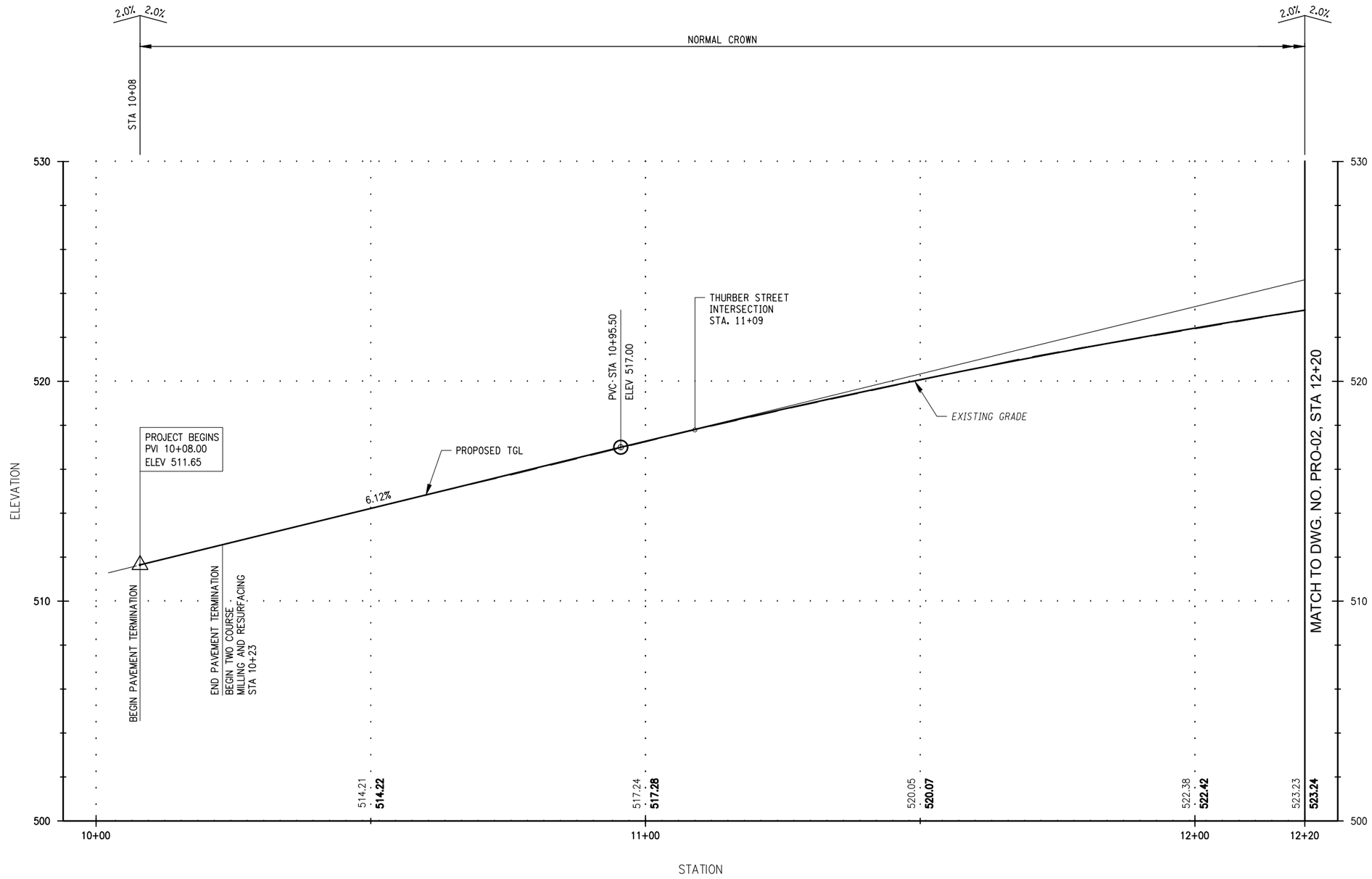
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EAST BRIGHTON AVENUE

NOTE:

1. MILL EXISTING PAVEMENT TO A DEPTH OF 4".
2. PROPOSED CROSS SLOPES SHOULD MATCH EXISTING.
3. EXISTING PAVEMENT CROSS-SLOPES INFORMATION IS PROVIDED FOR THE CONTRACTOR'S USE

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NO. 073767

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
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DESIGNED BY:	DJB
CHECKED BY:	DOS

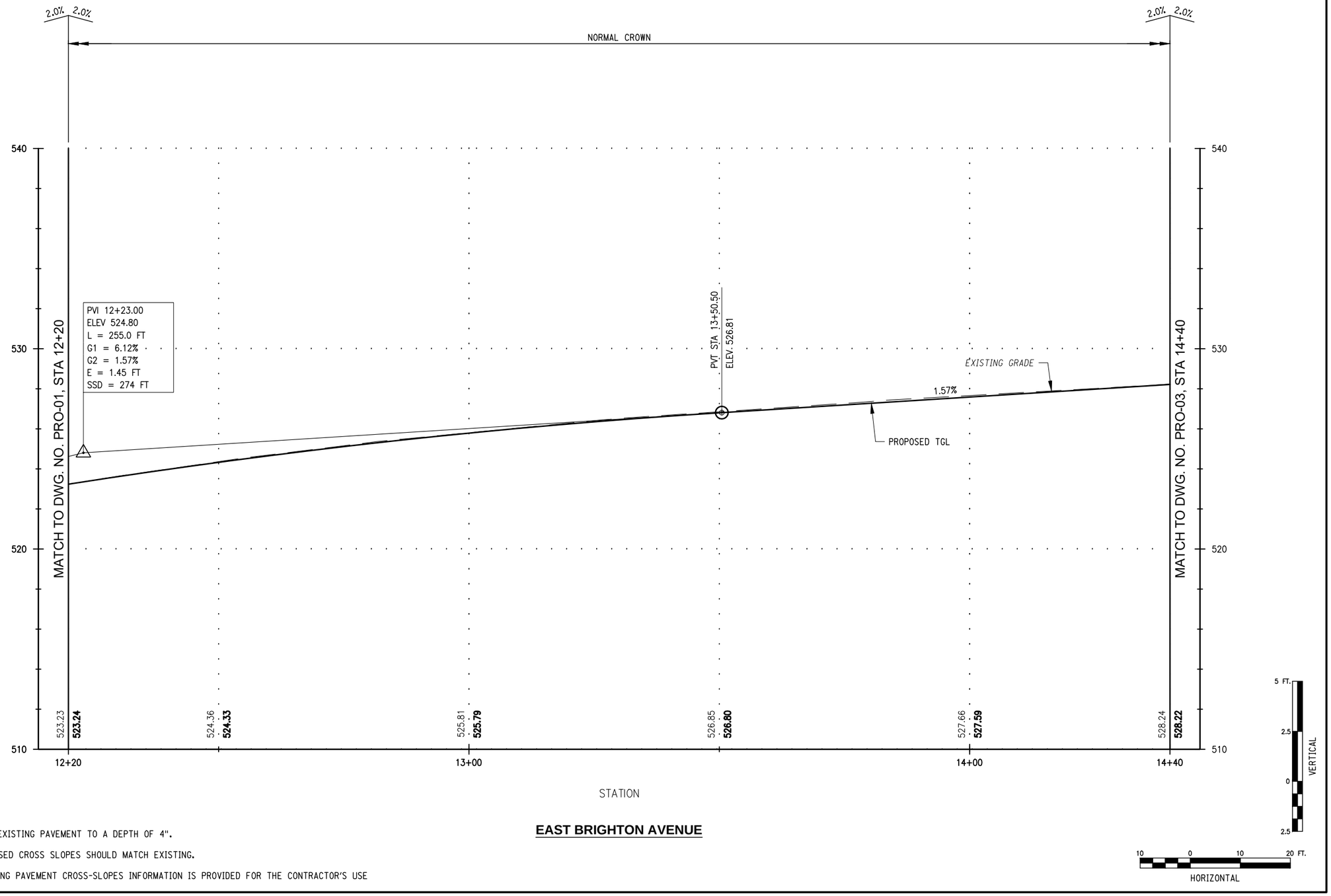
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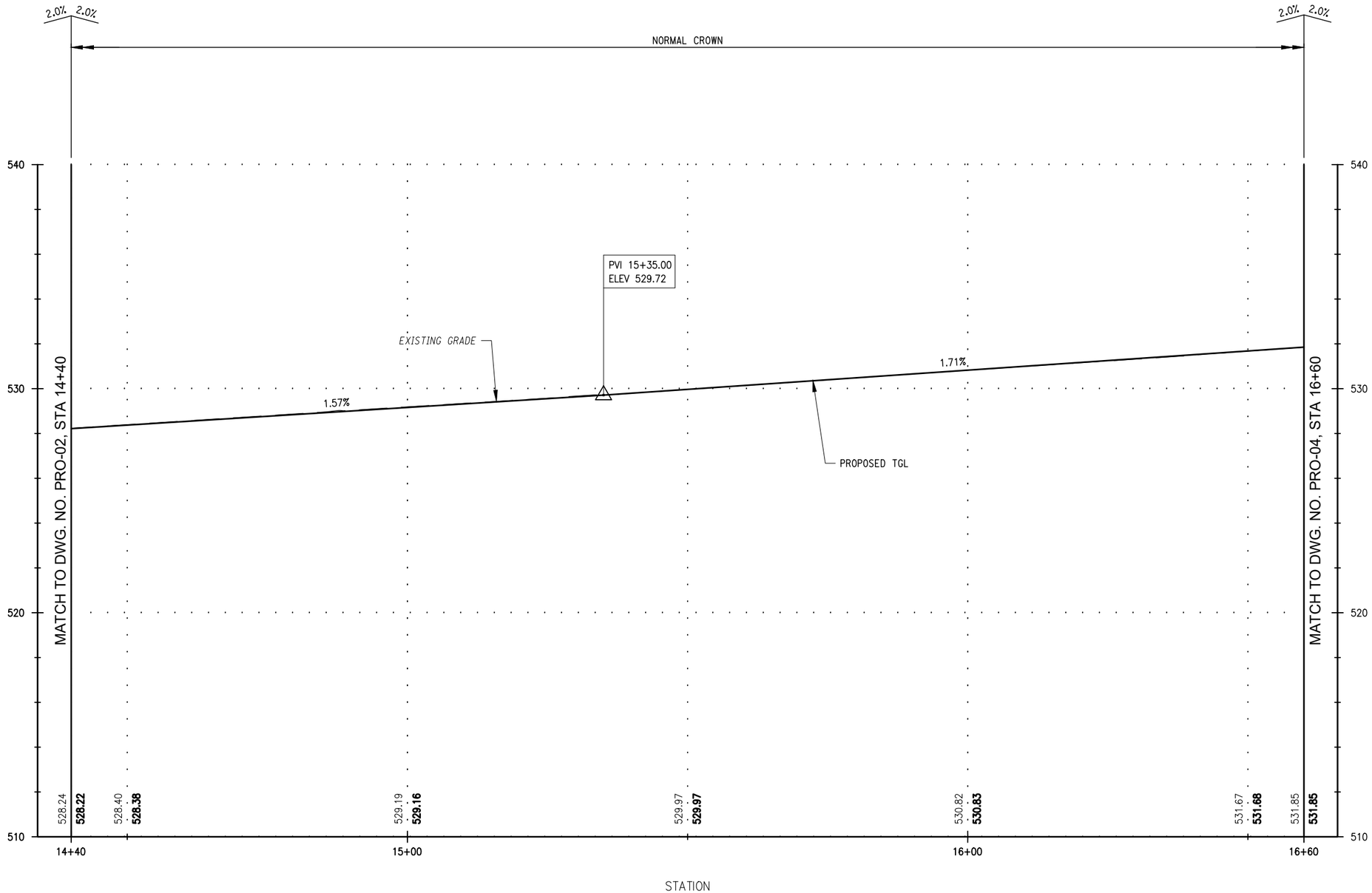
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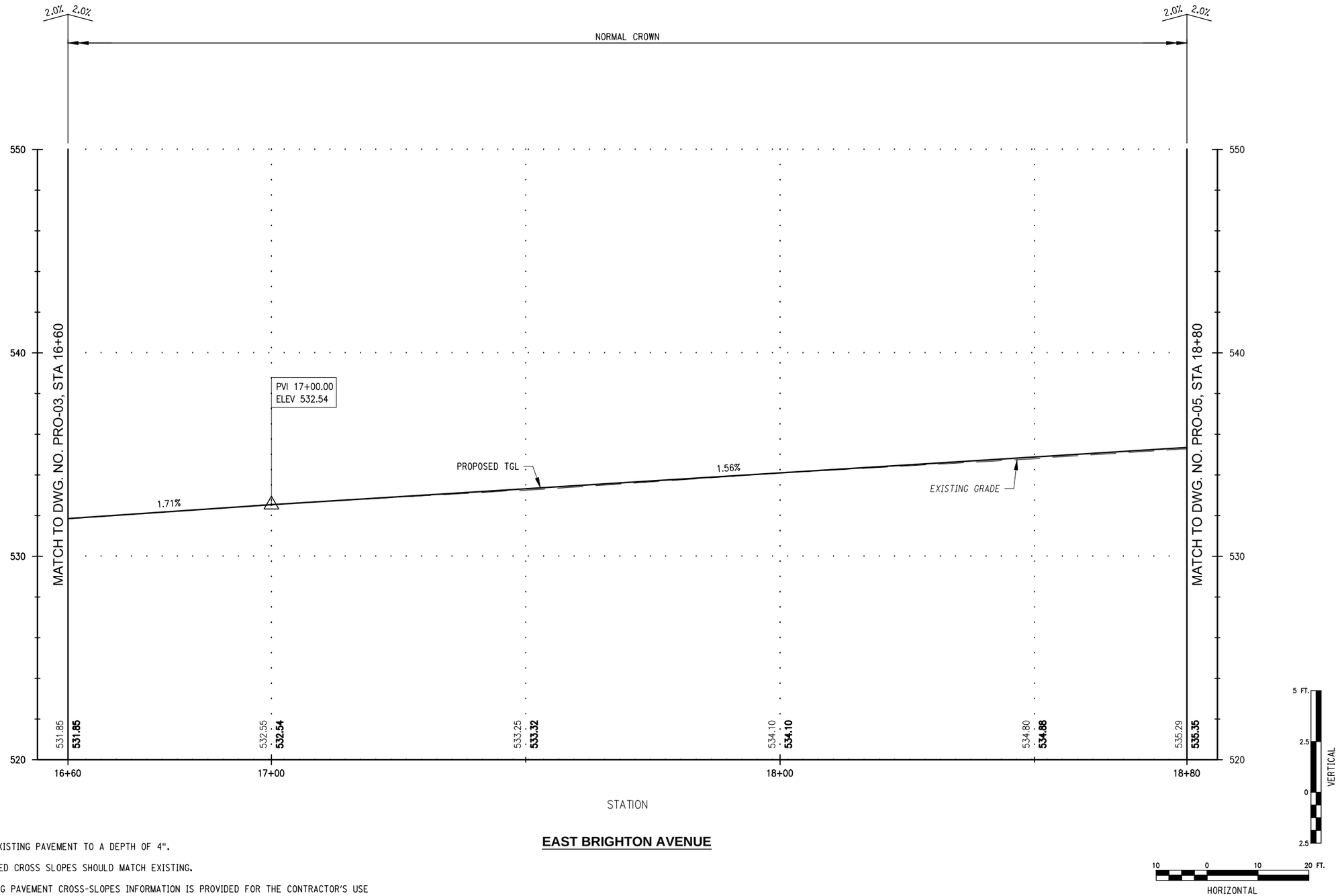
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143 of 241

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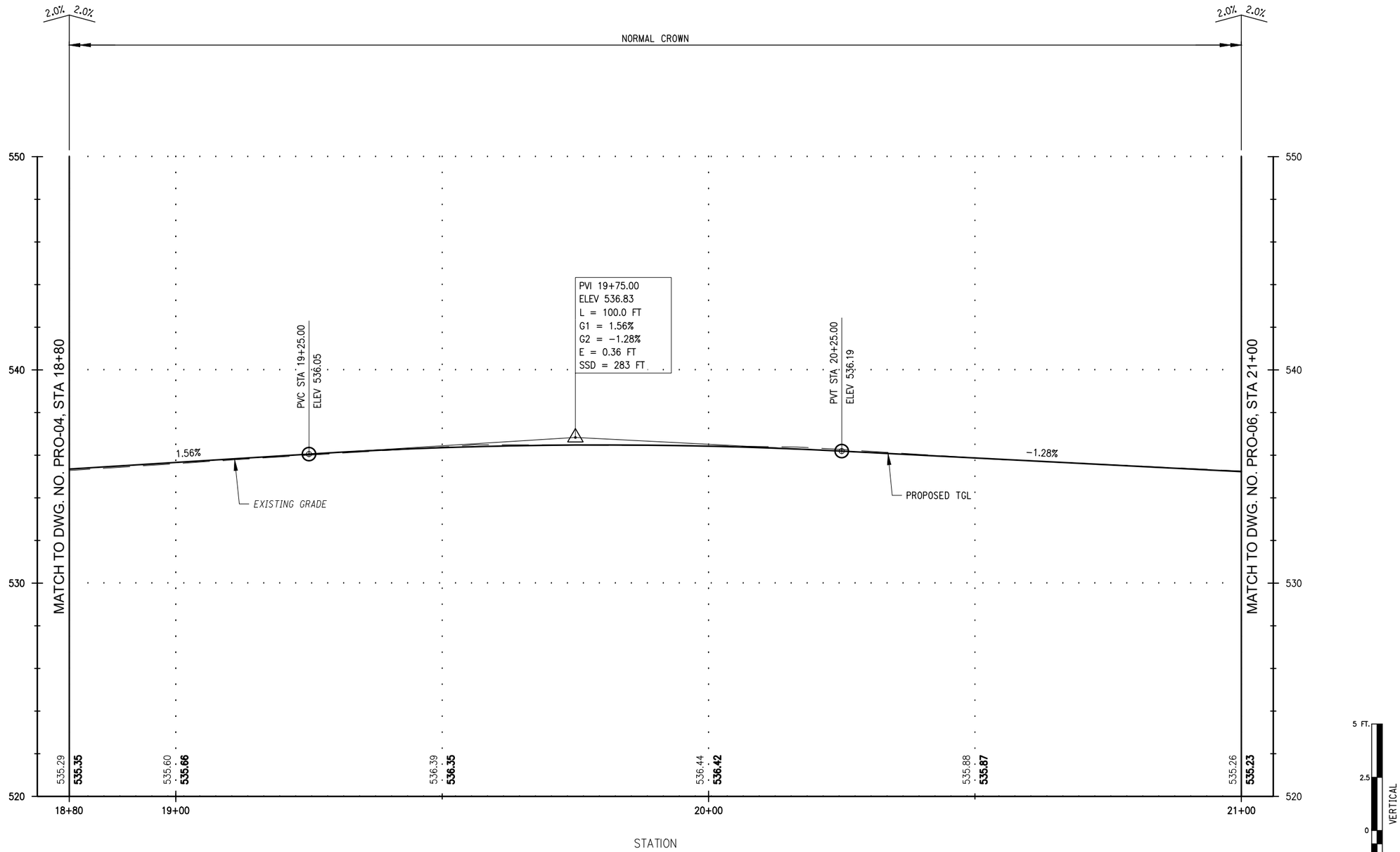
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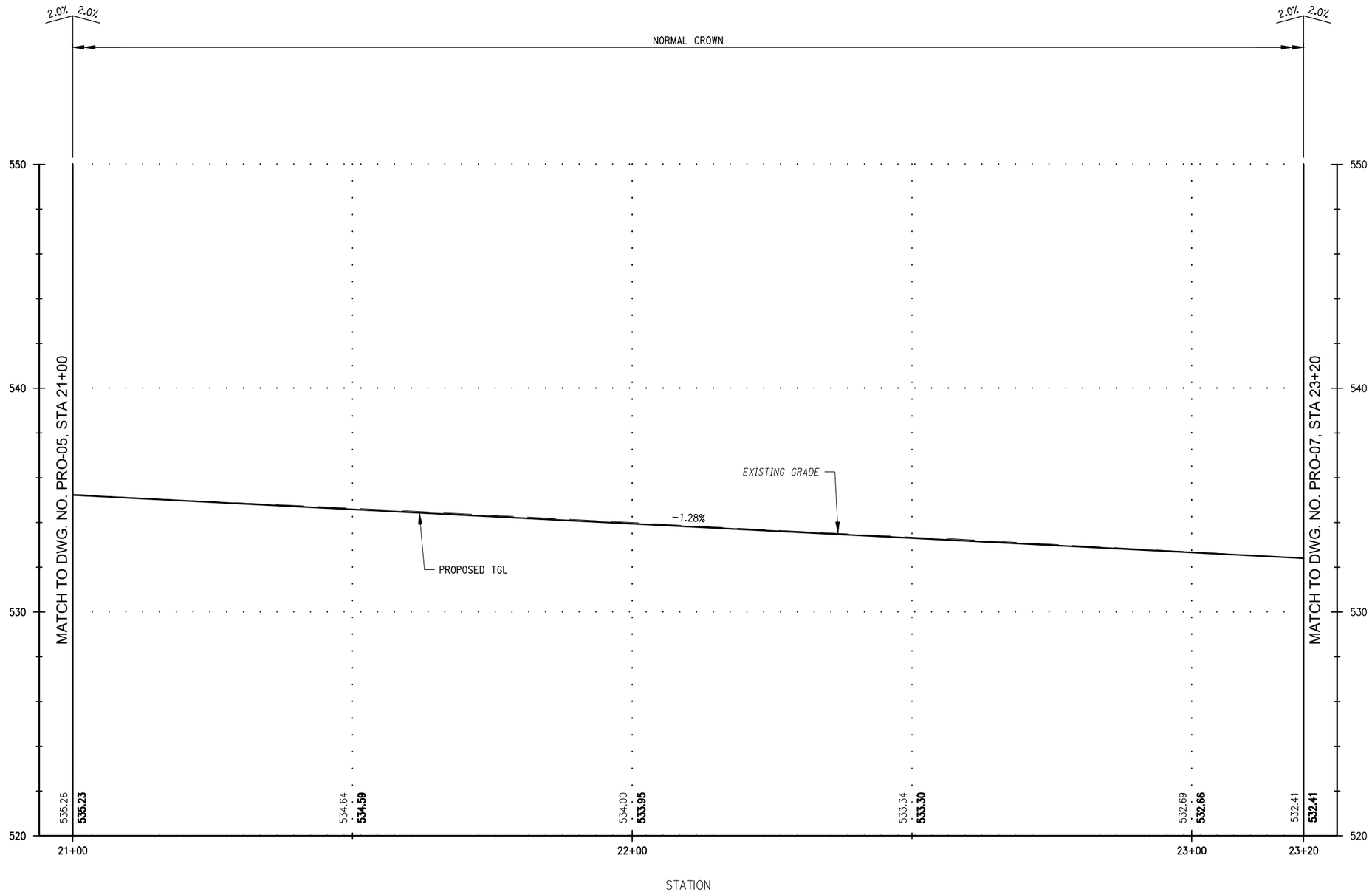
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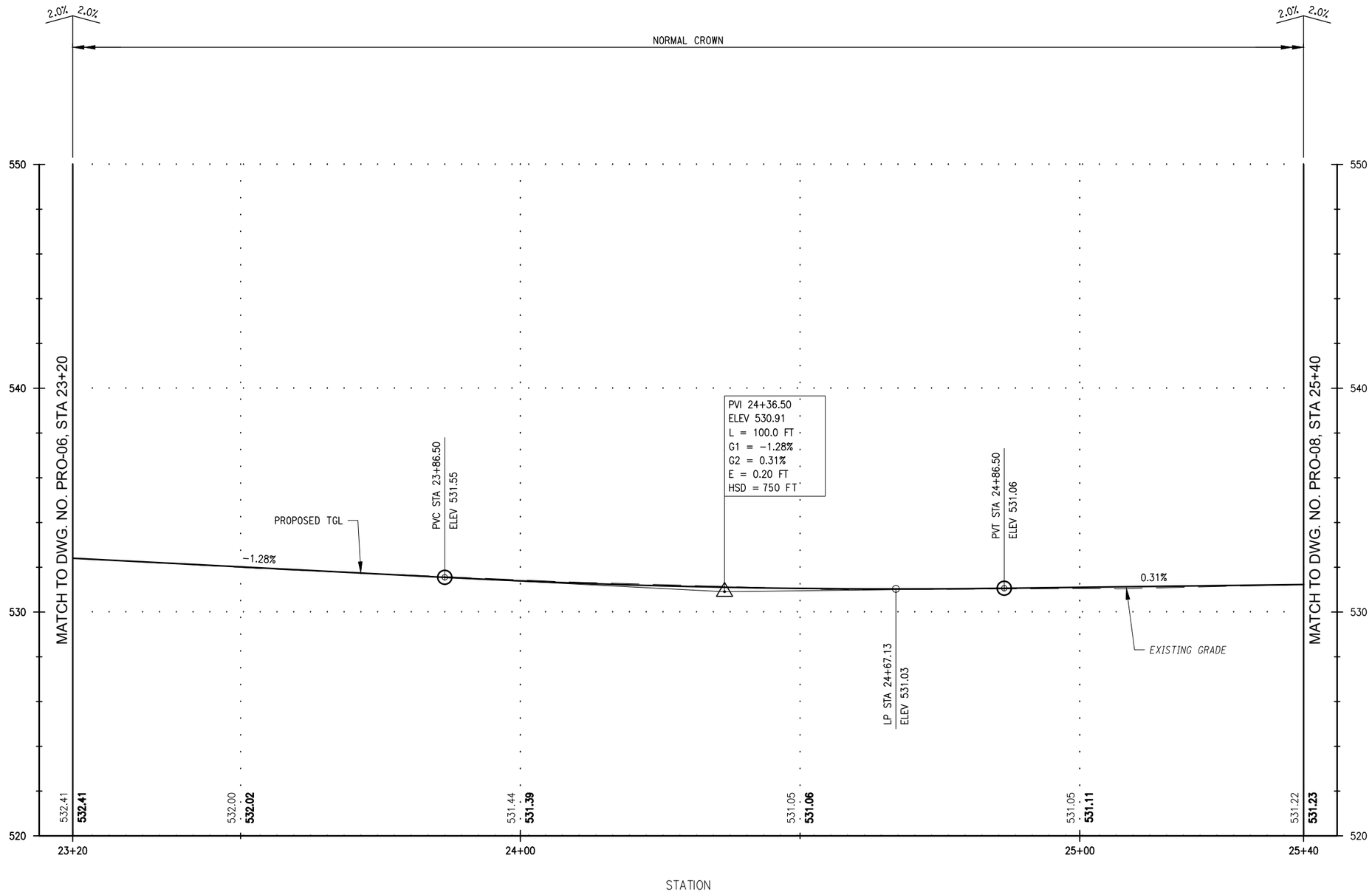
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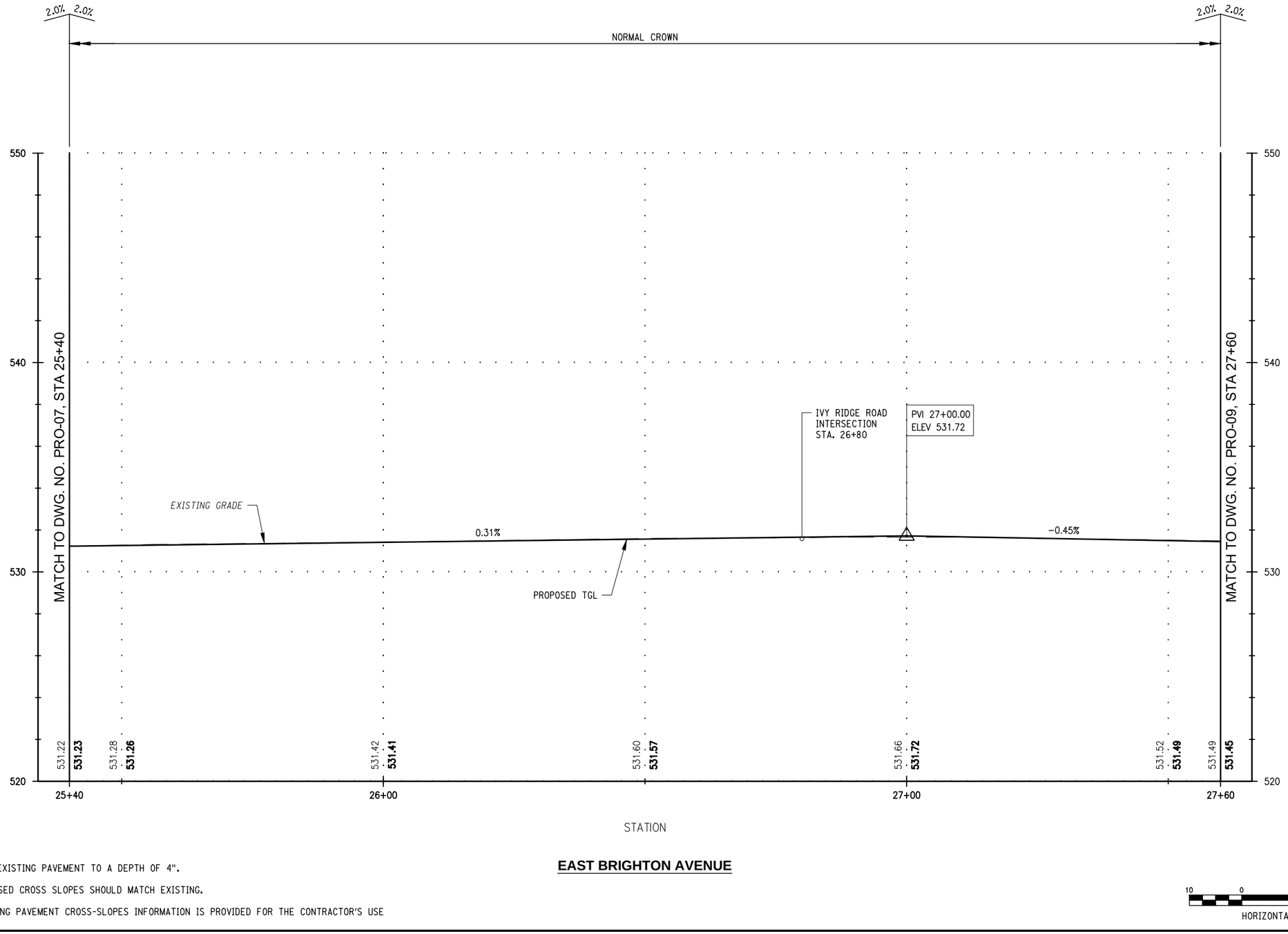
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147 of 241

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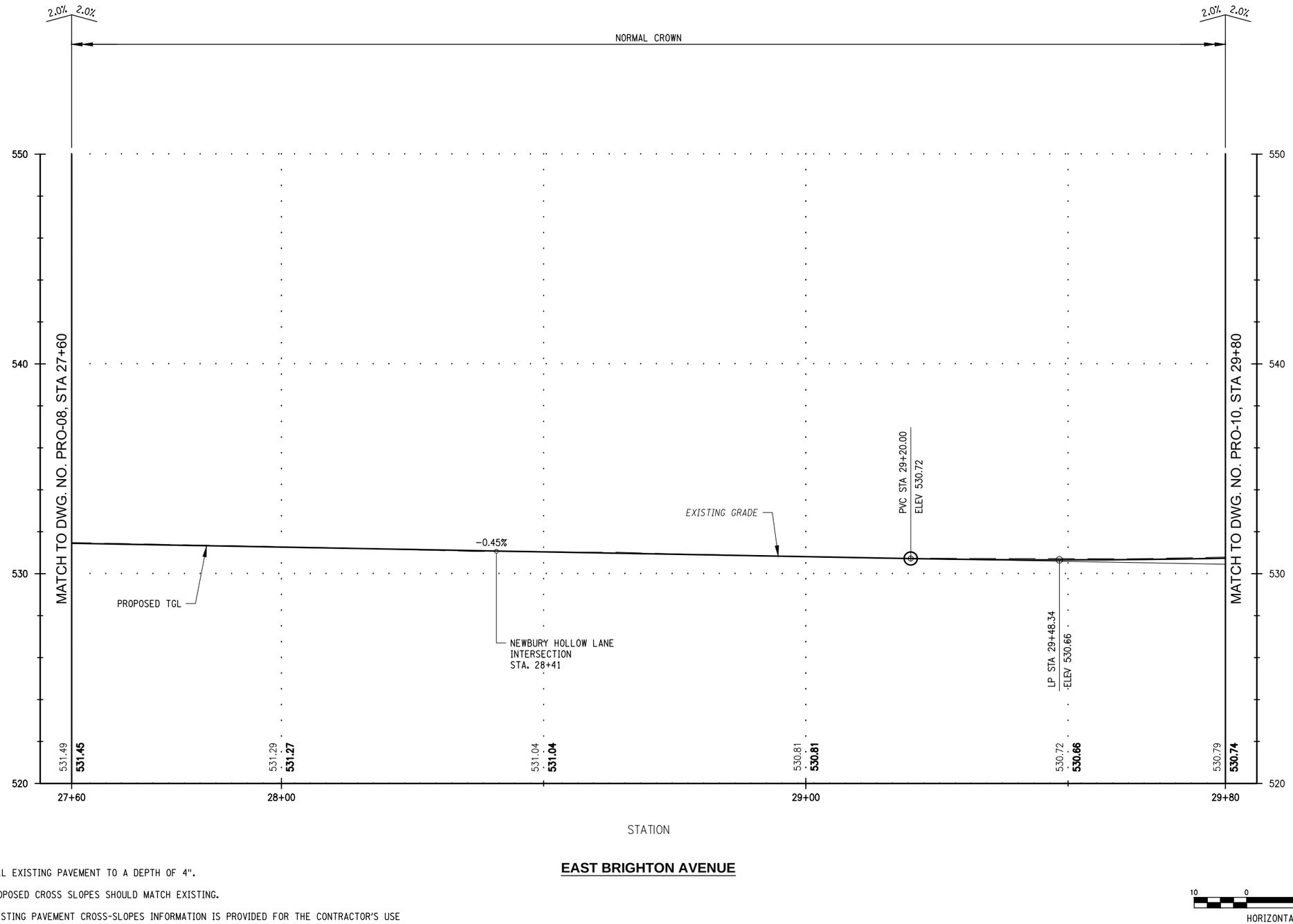
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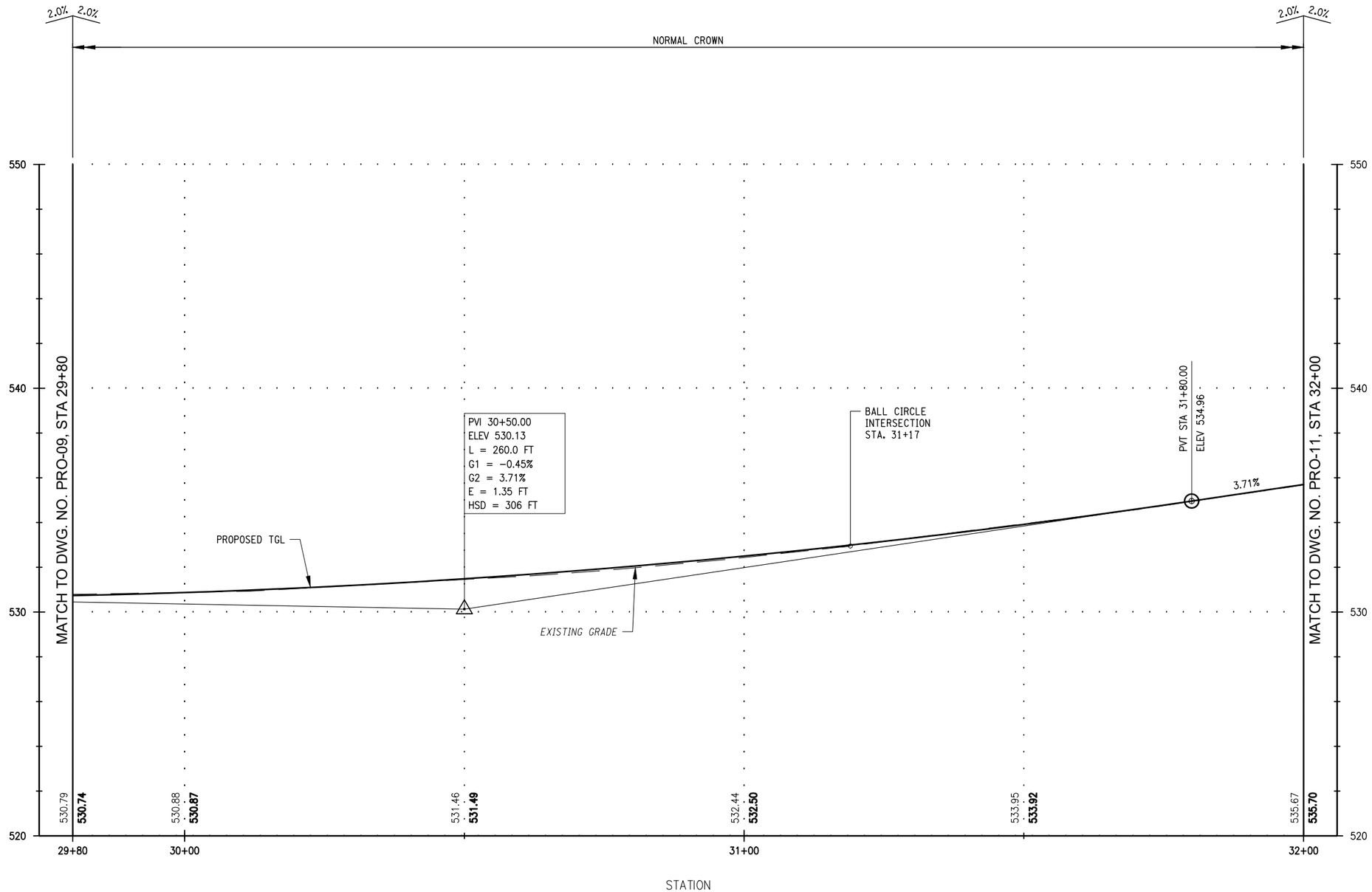
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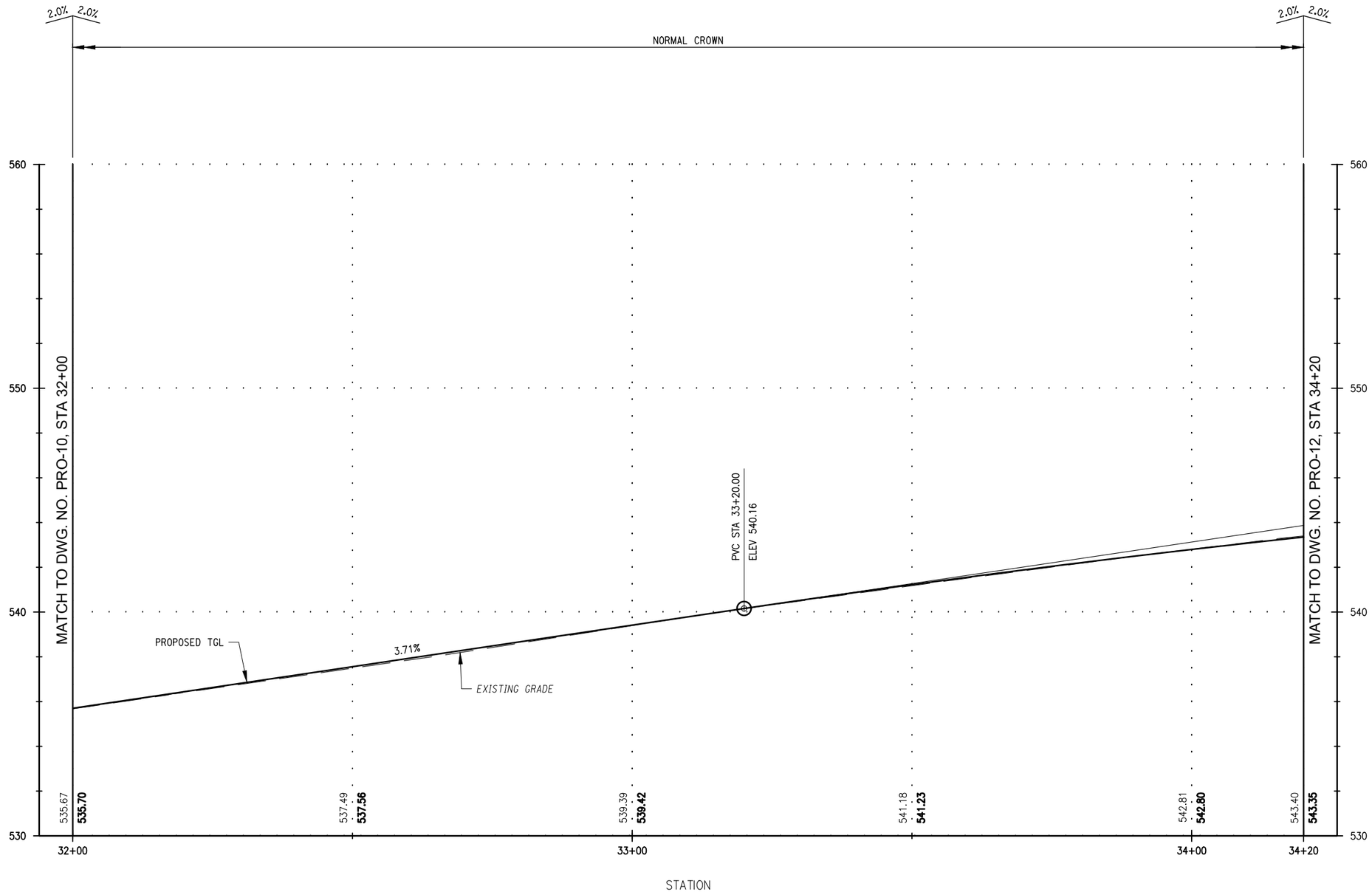
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150 of 241

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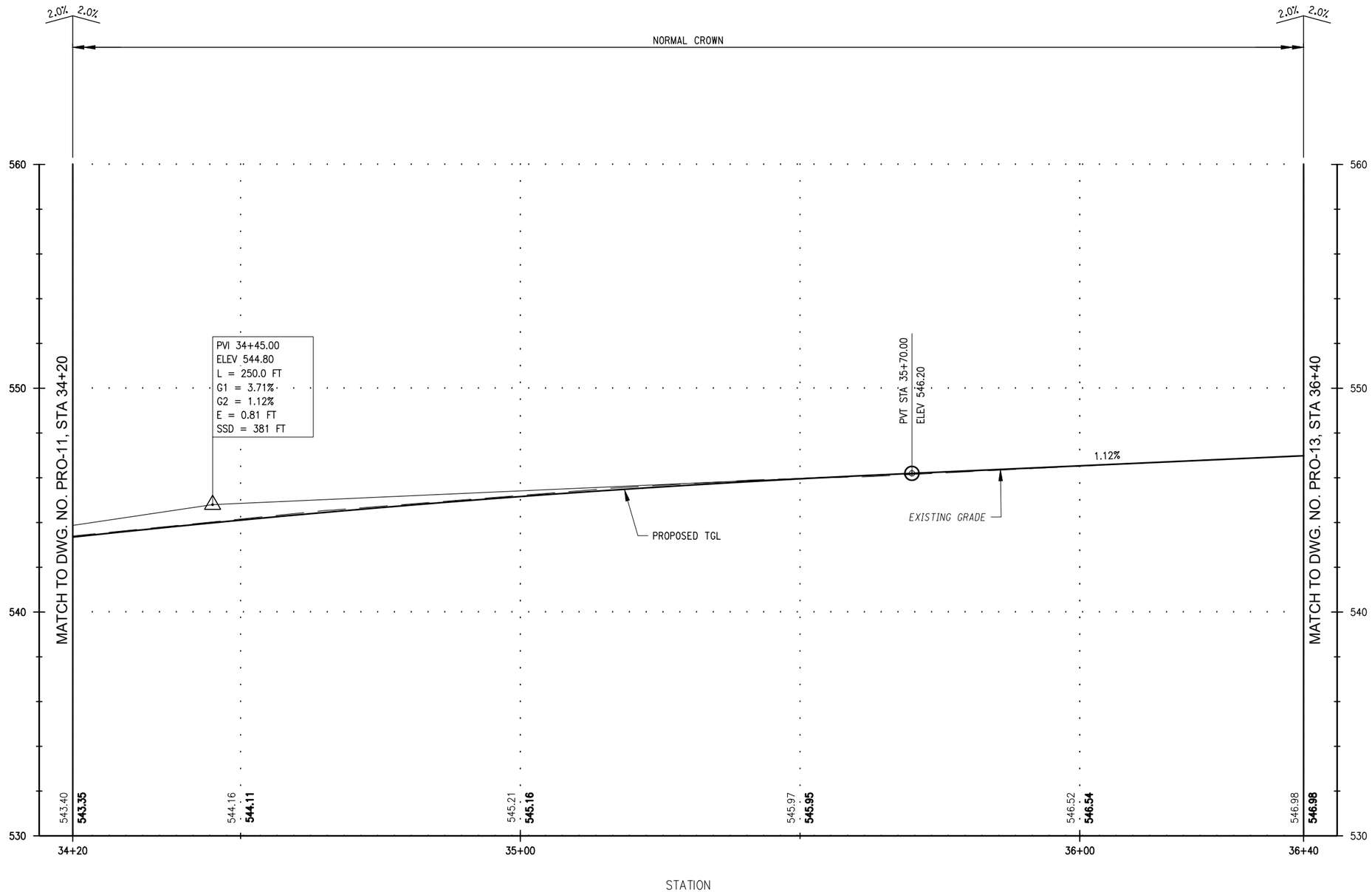
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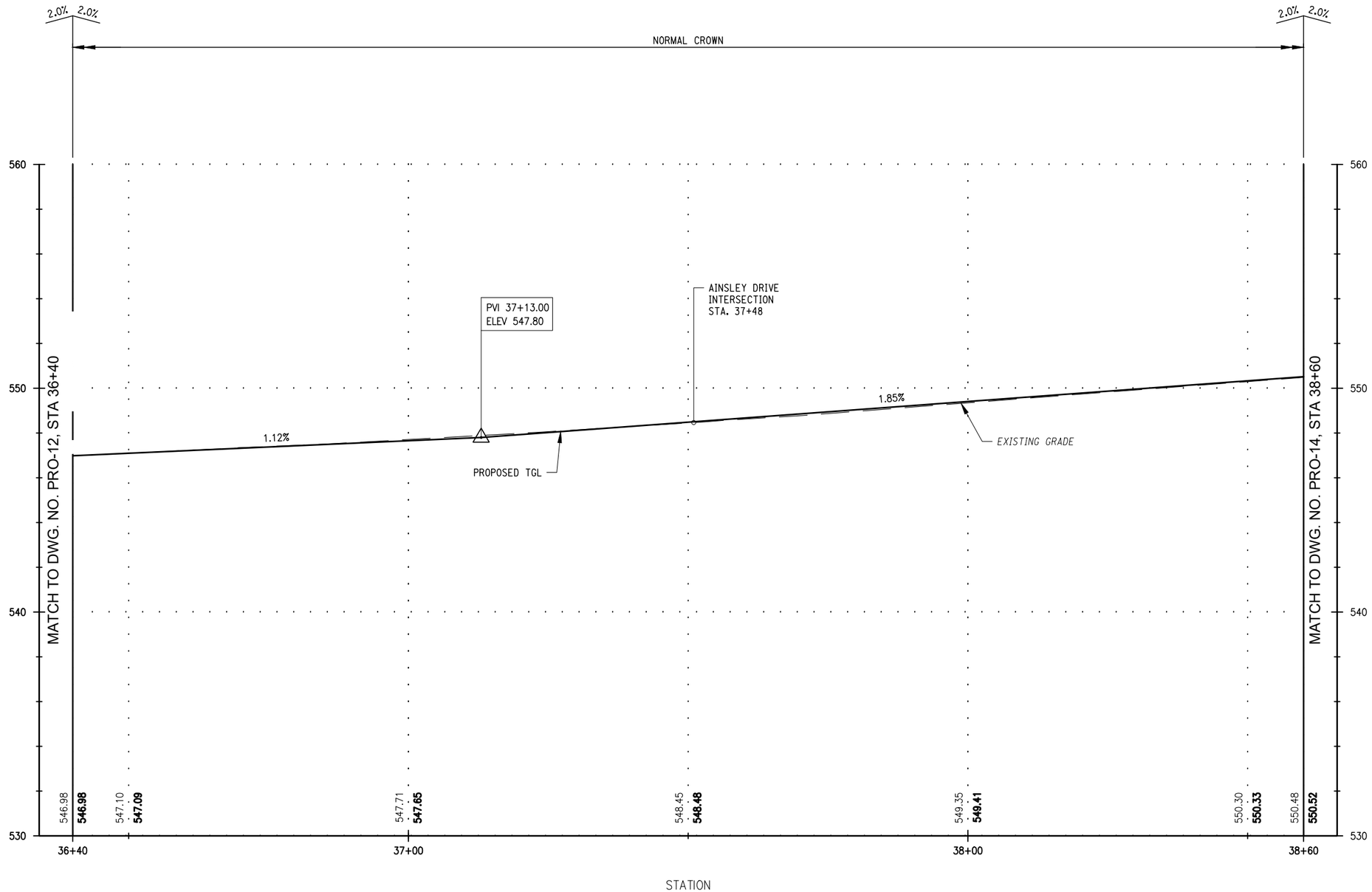
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152 of 241

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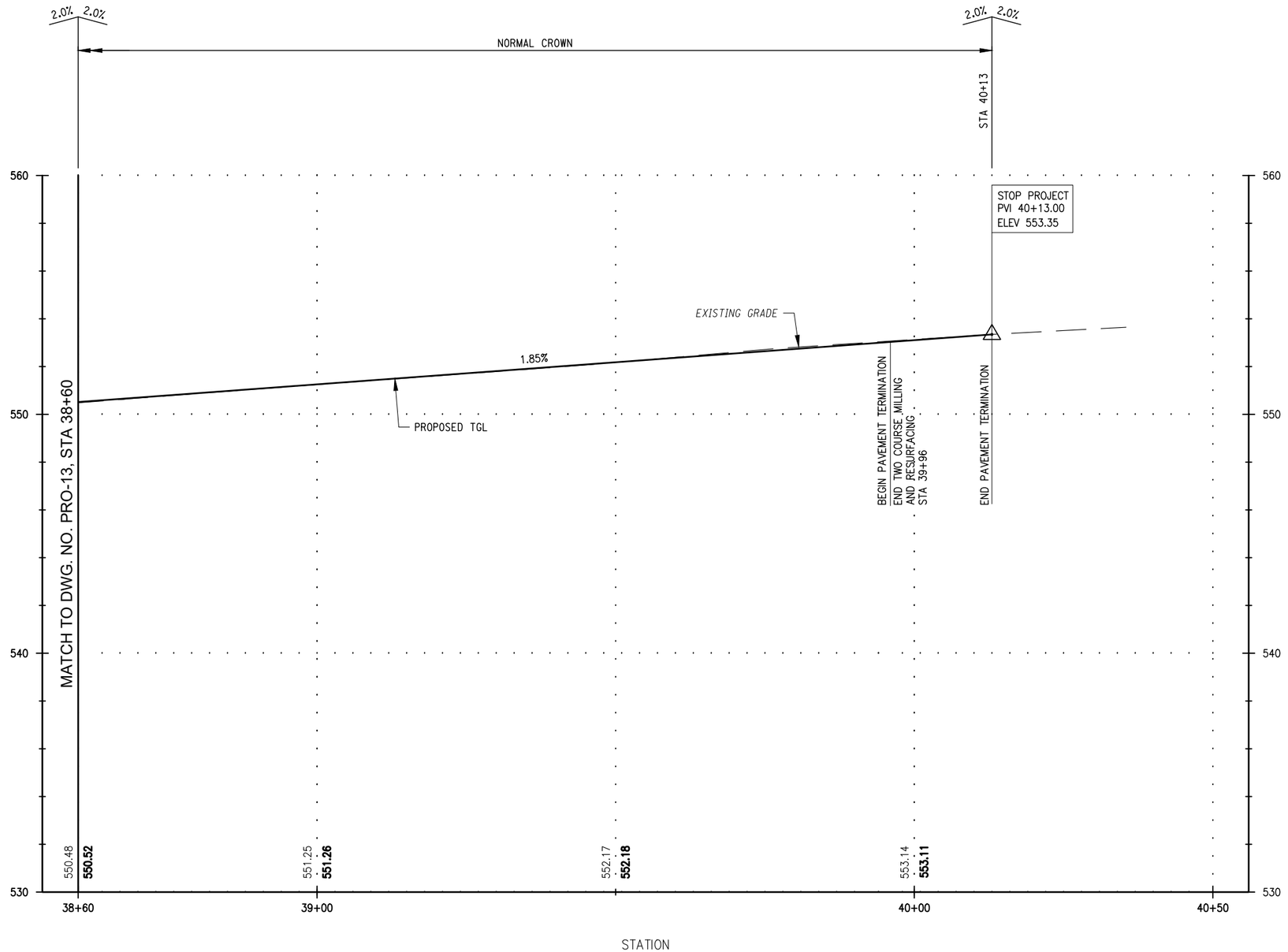
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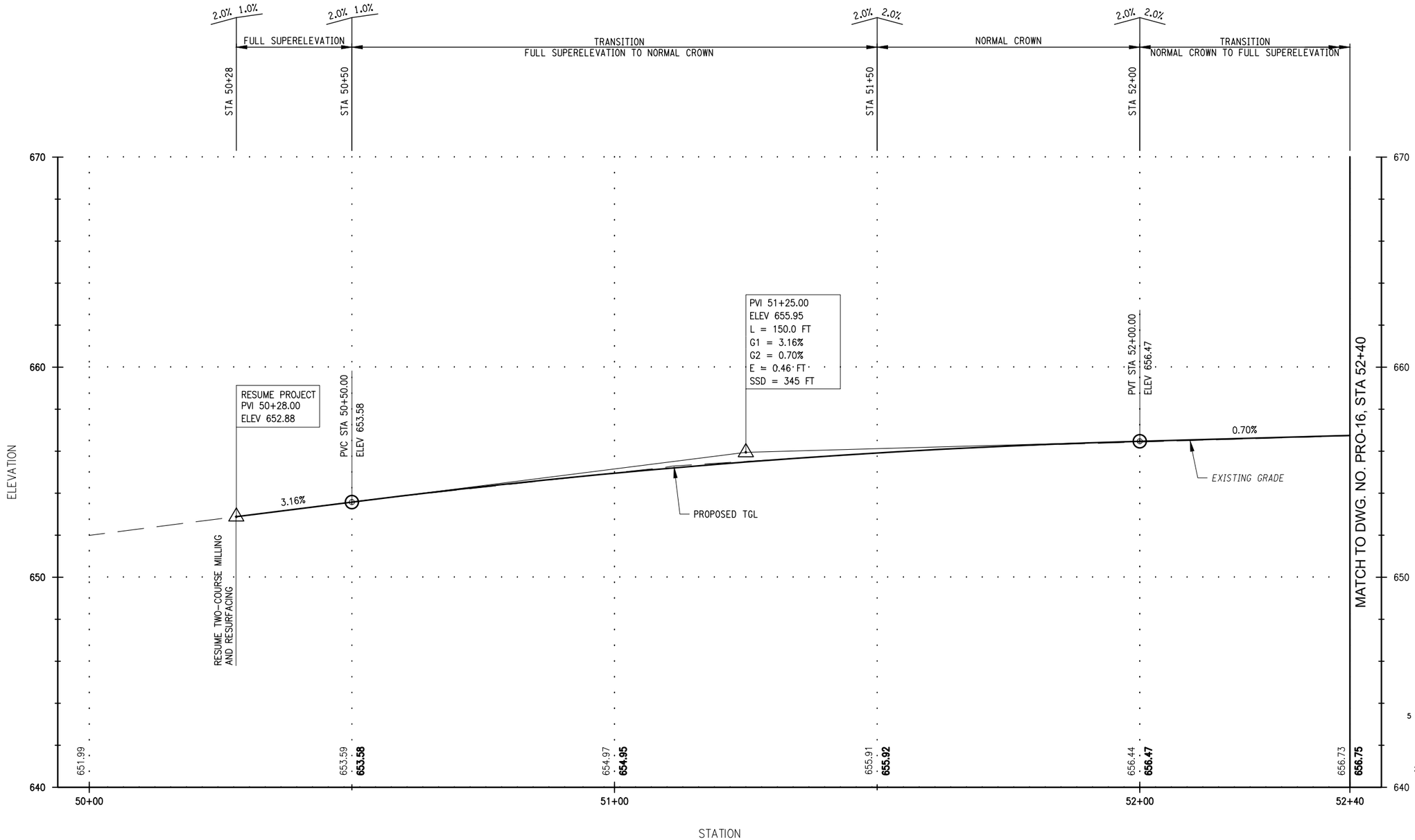
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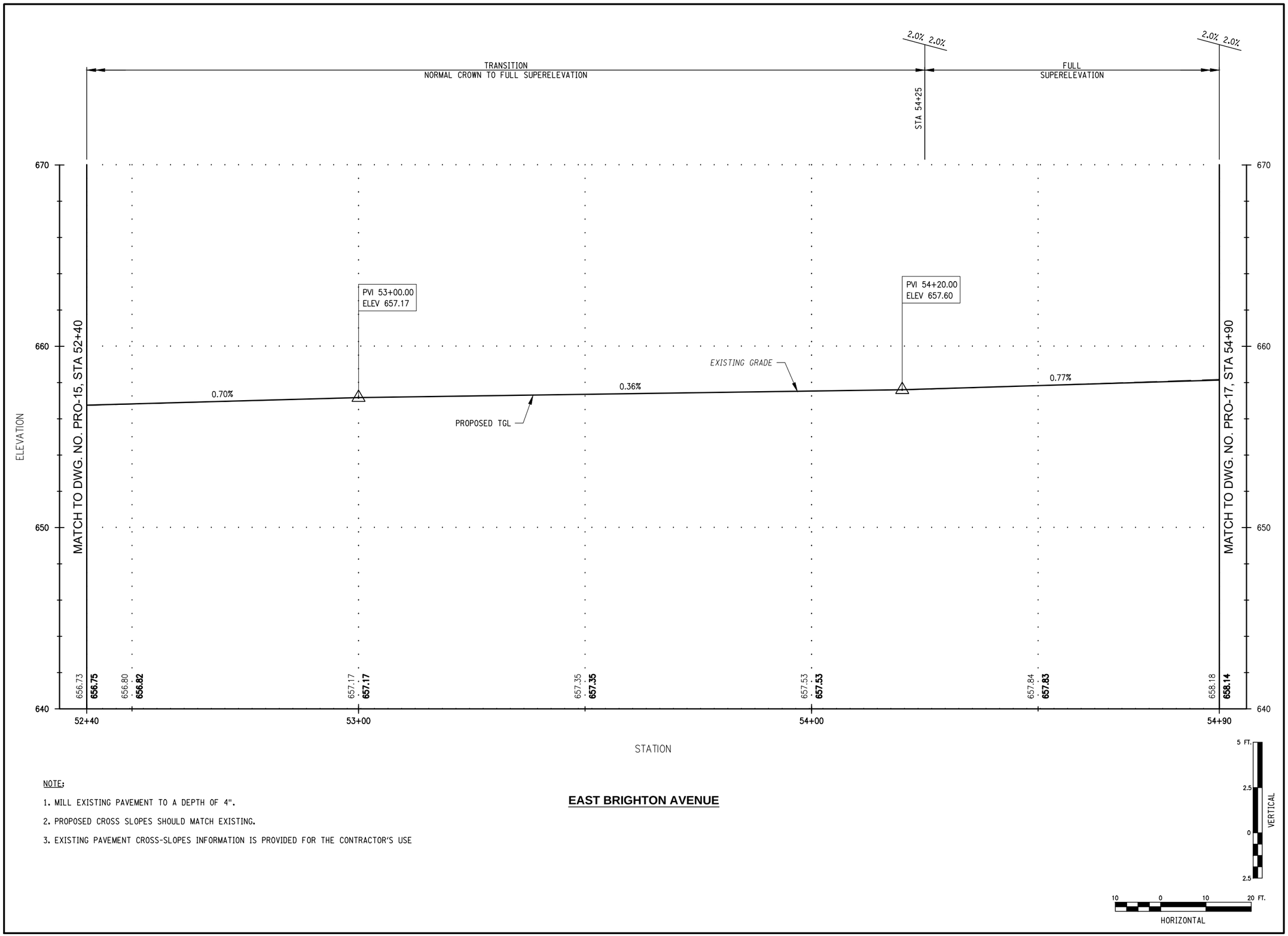
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DOUGLAS OWEN STRASSER
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse
NEW YORK

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EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
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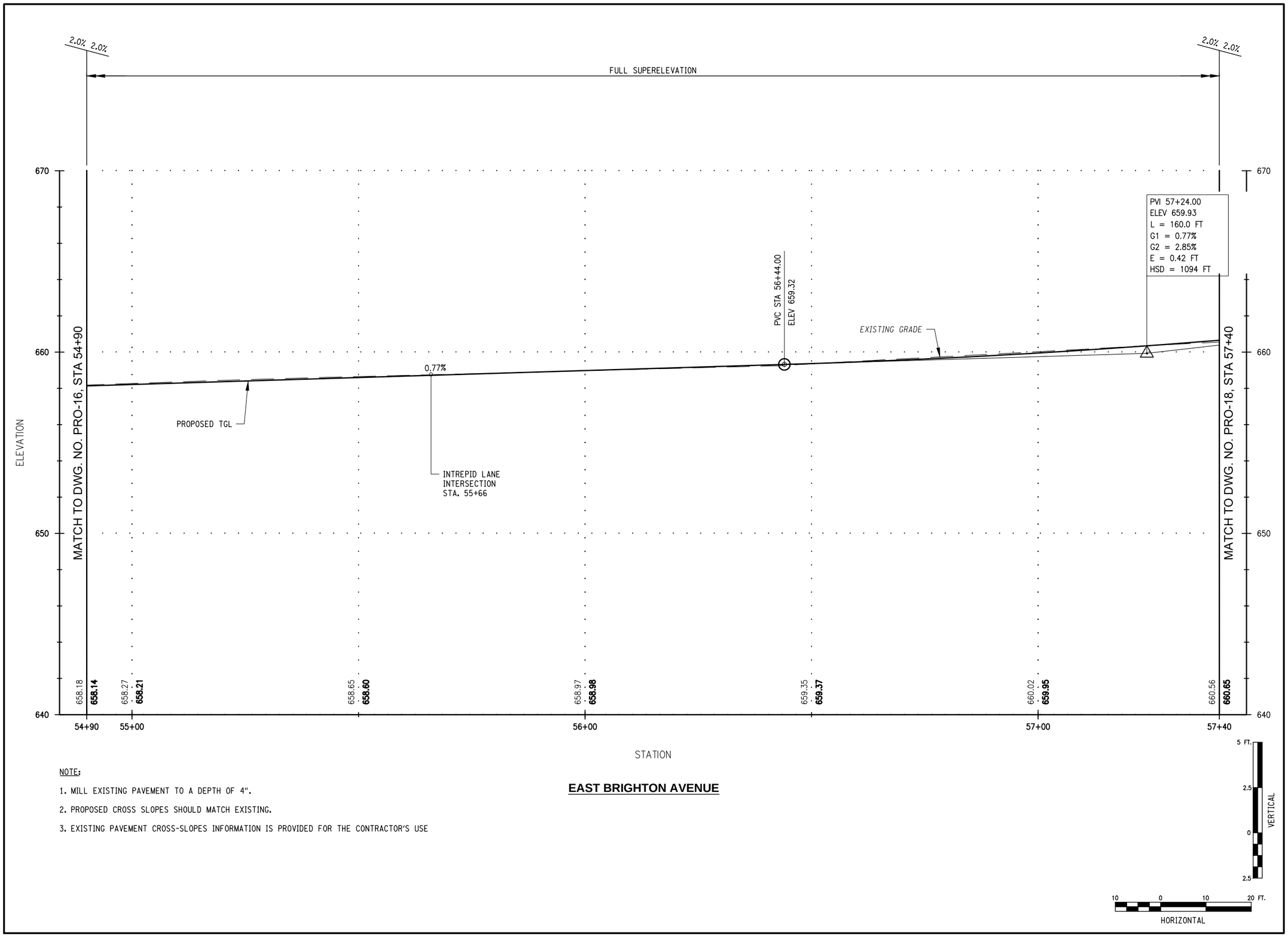
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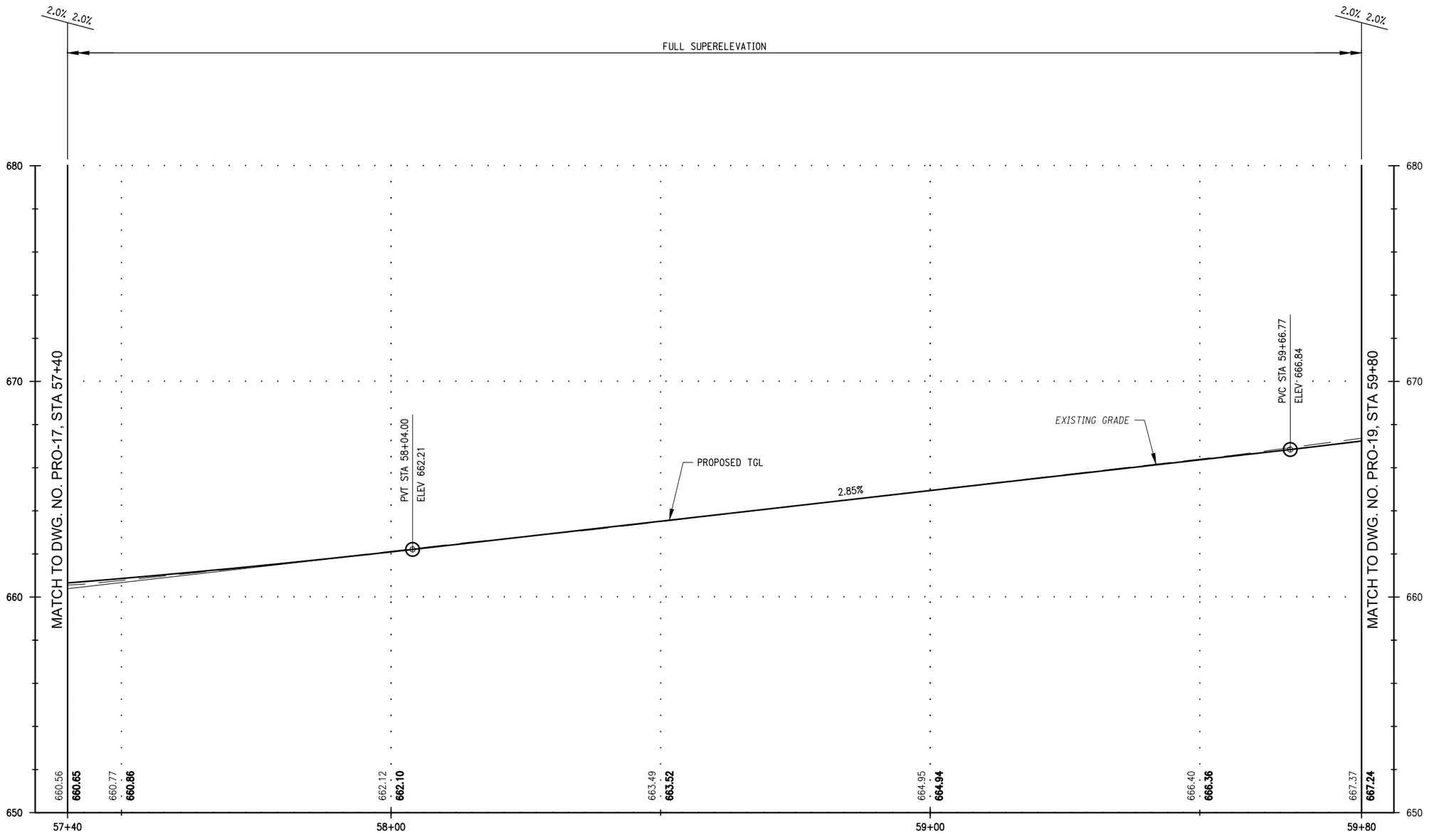
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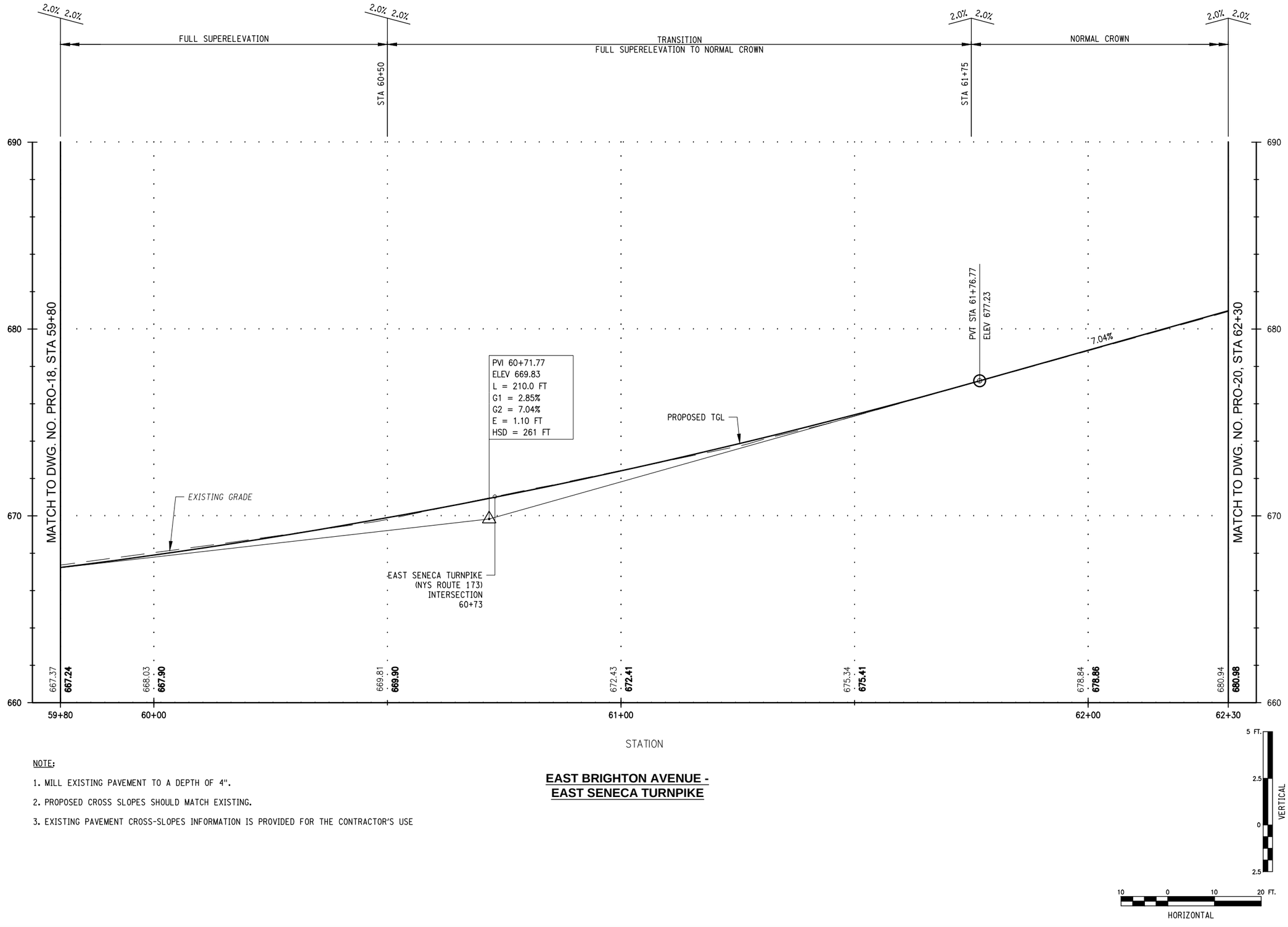
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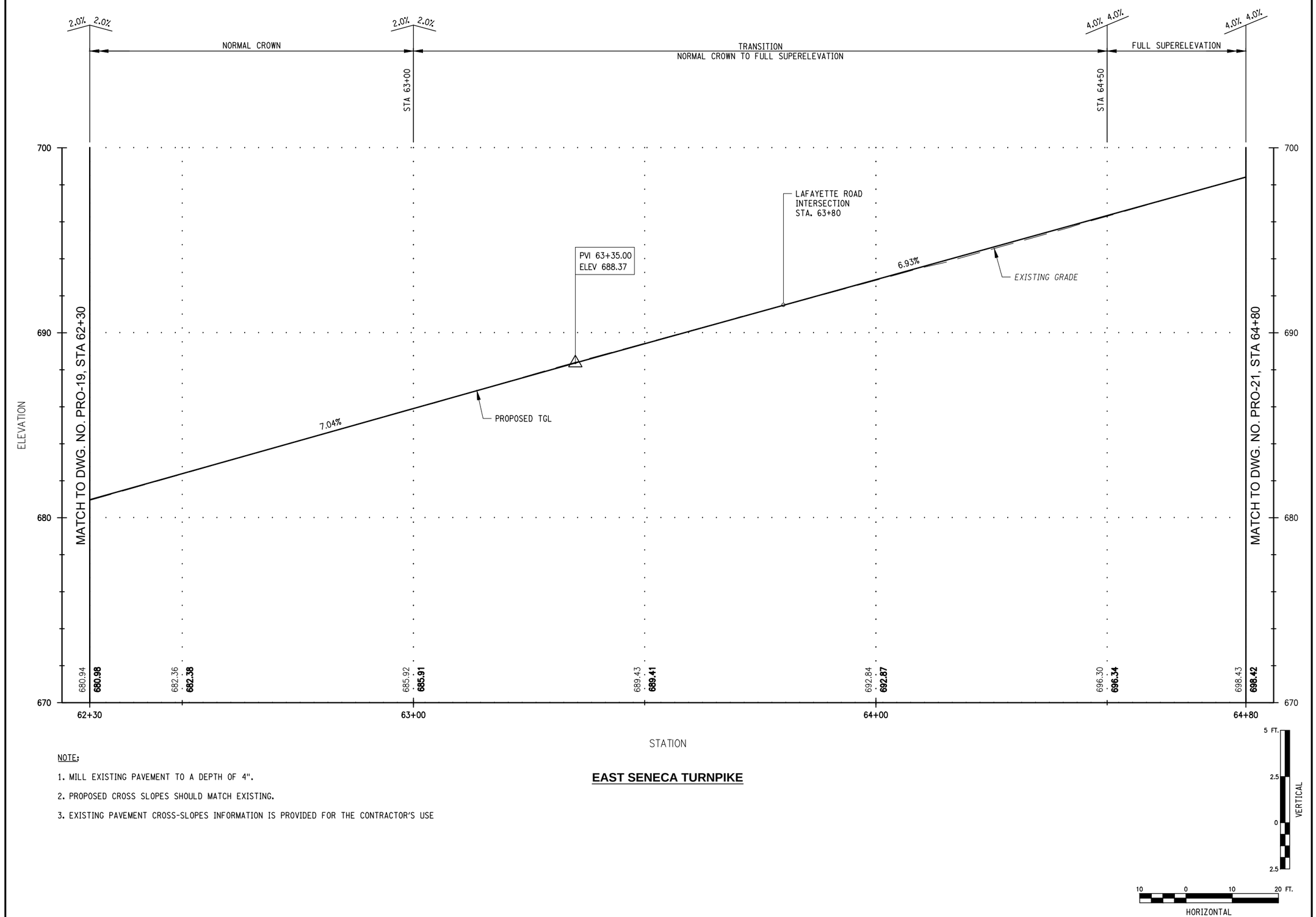
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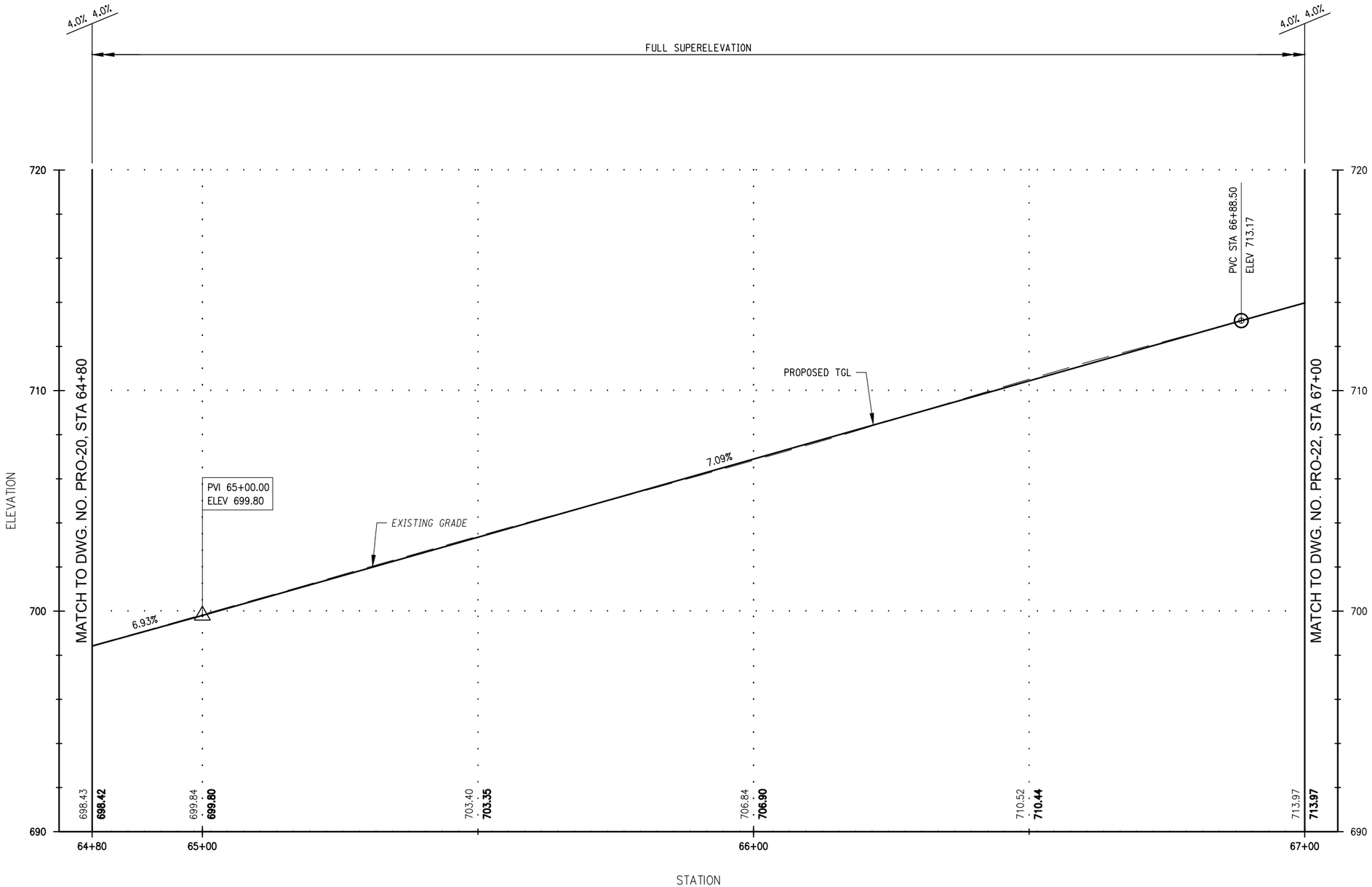
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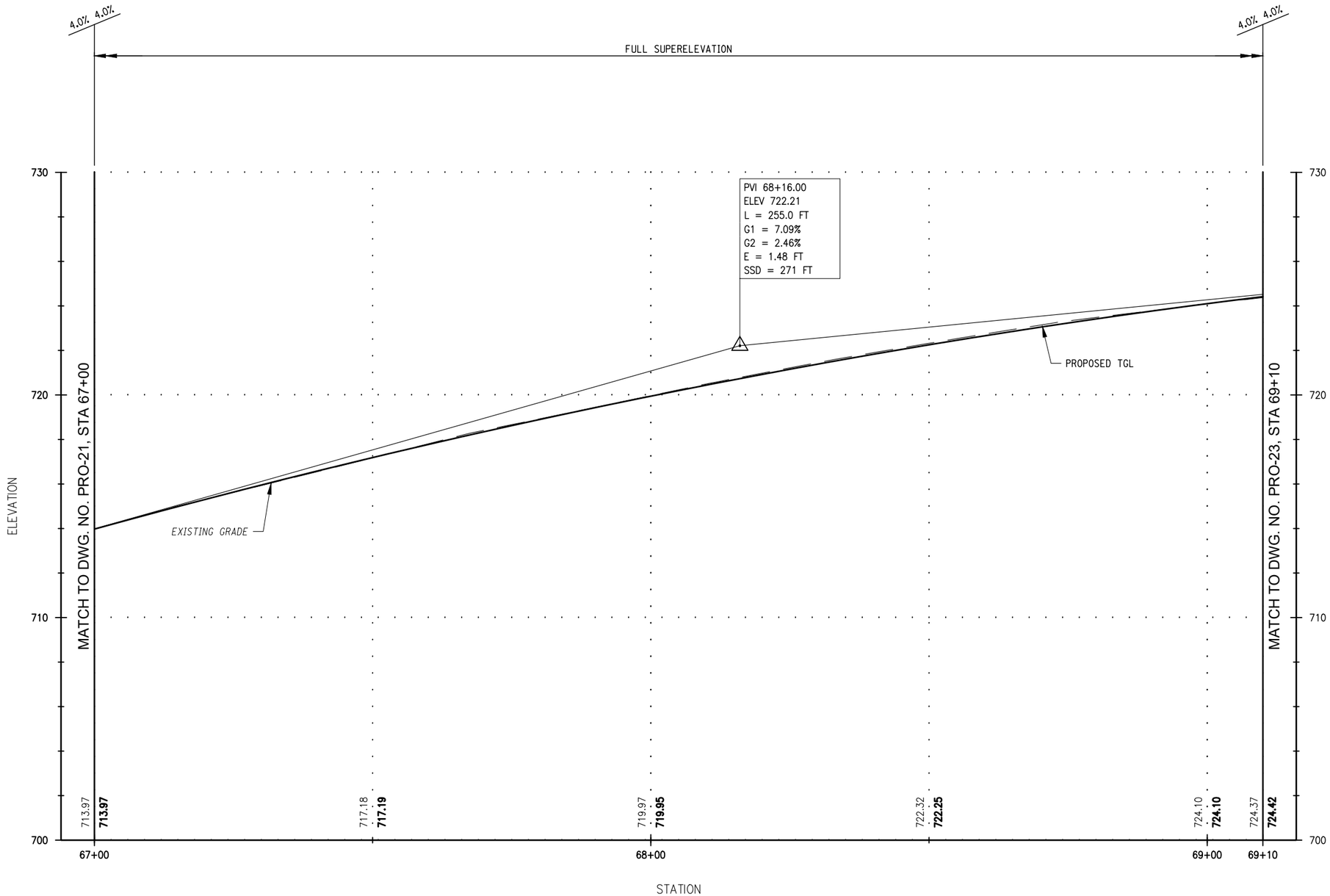
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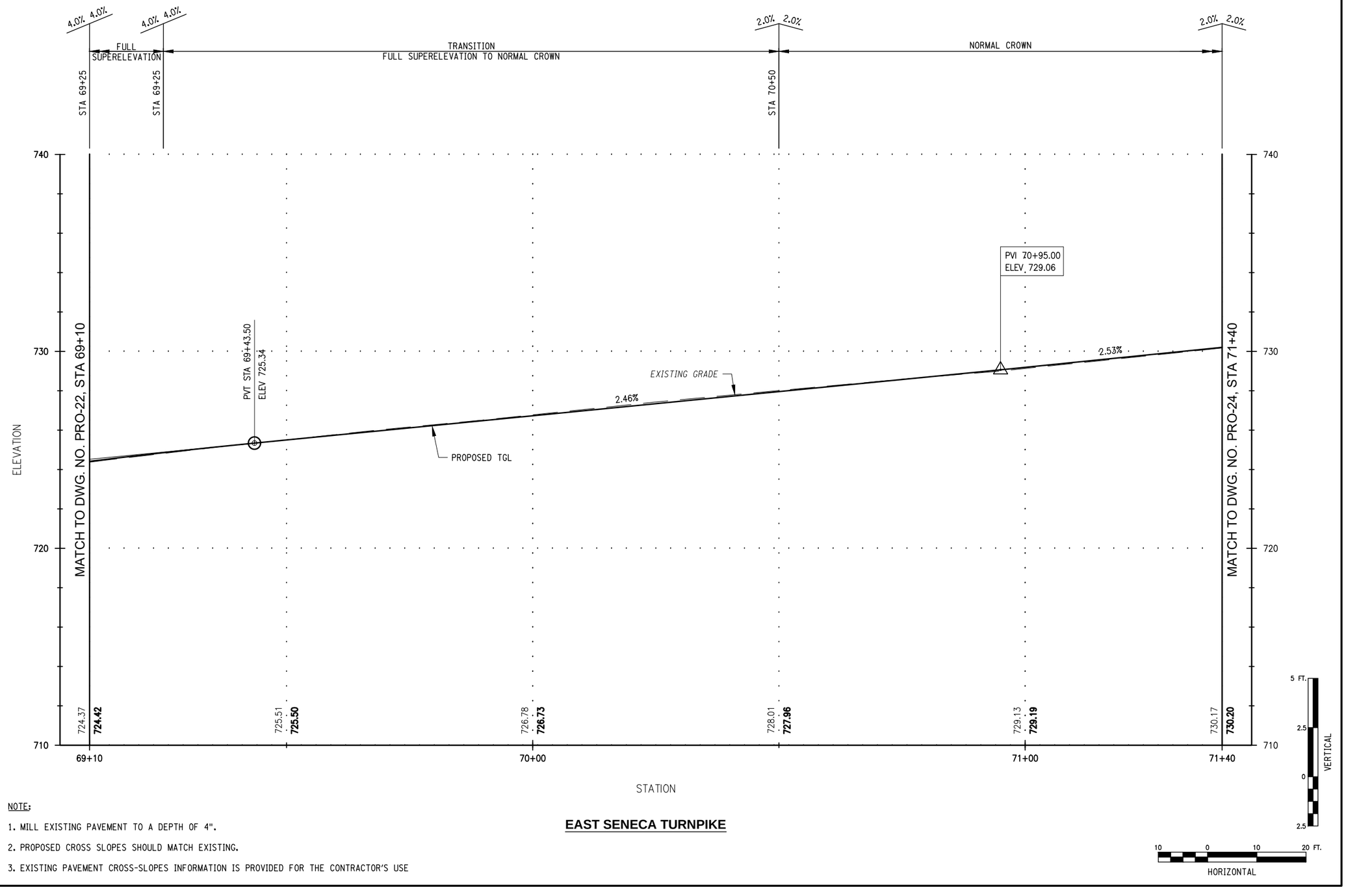
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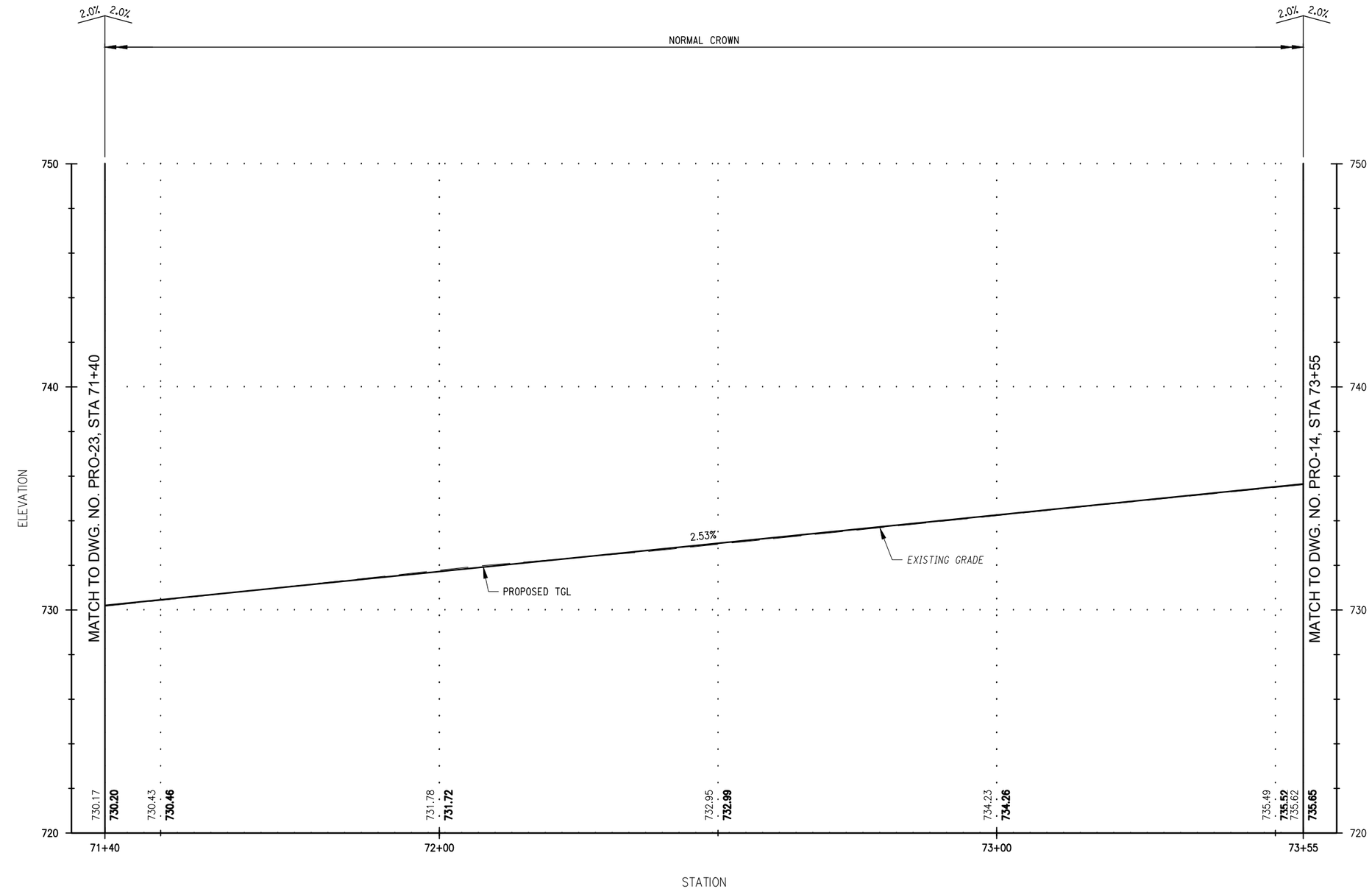
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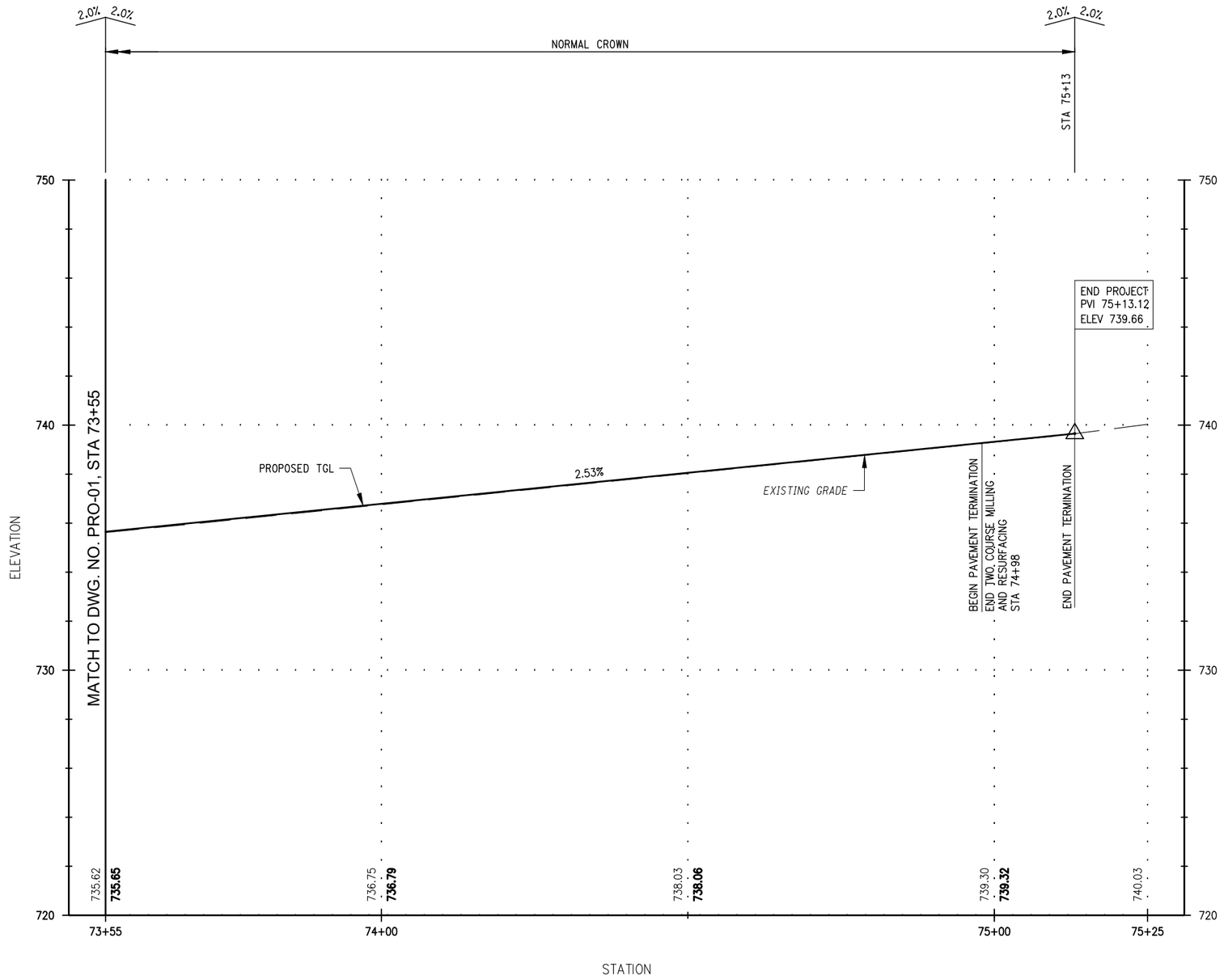
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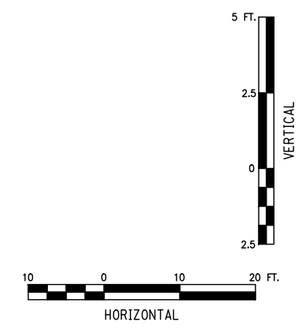
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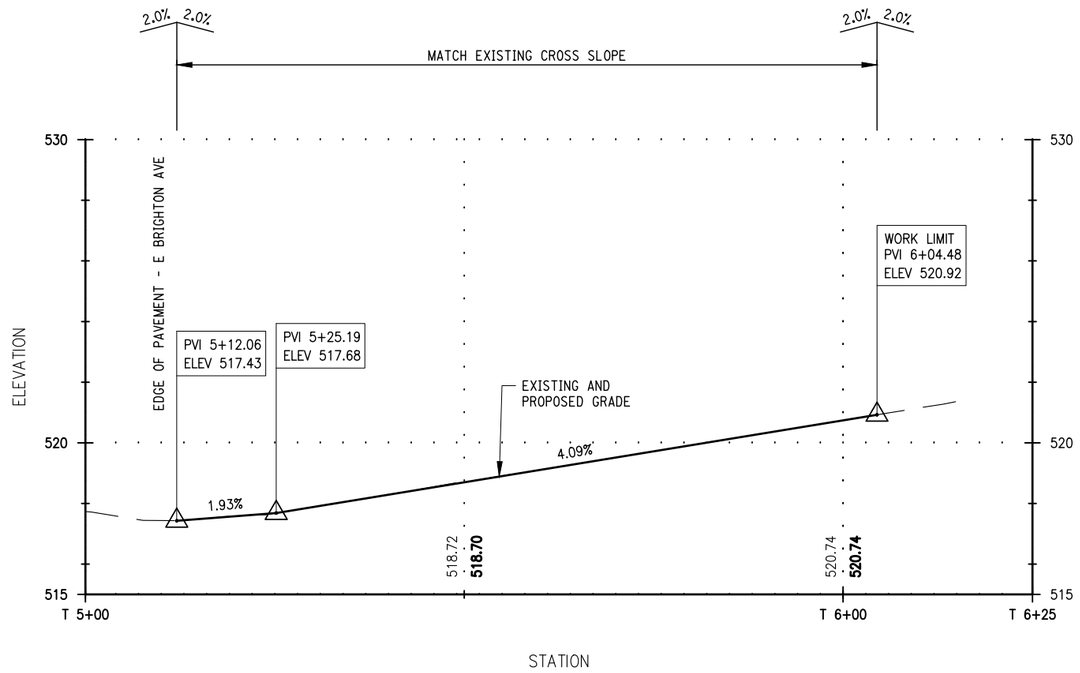
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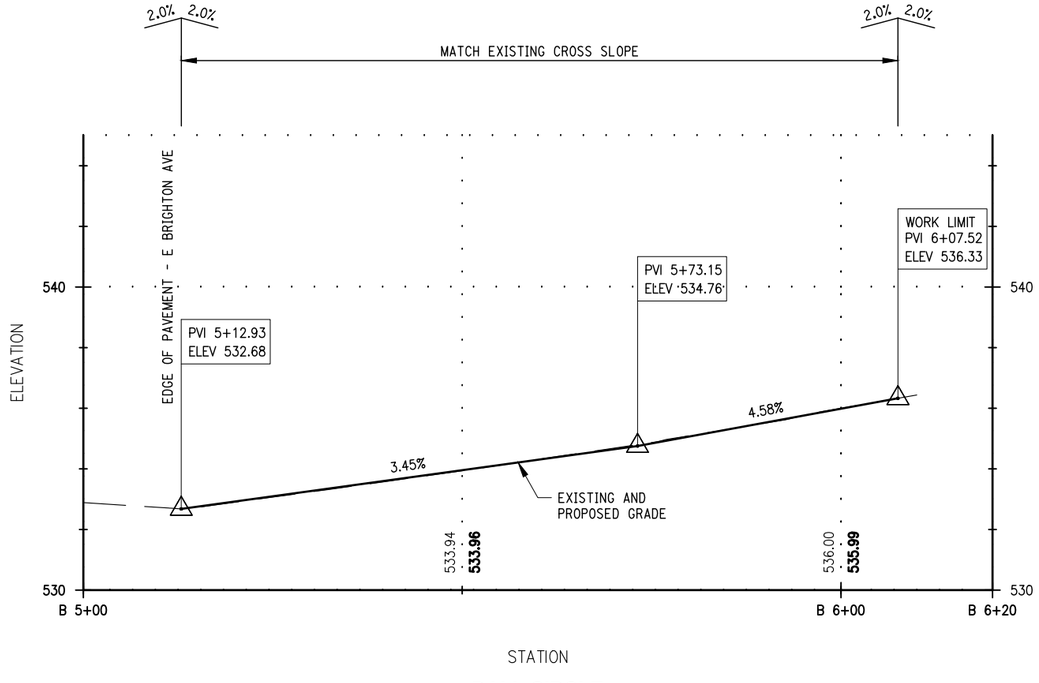
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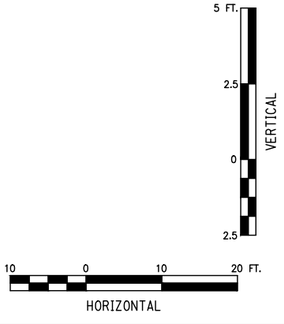
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THURBER STREET



BALL CIRCLE



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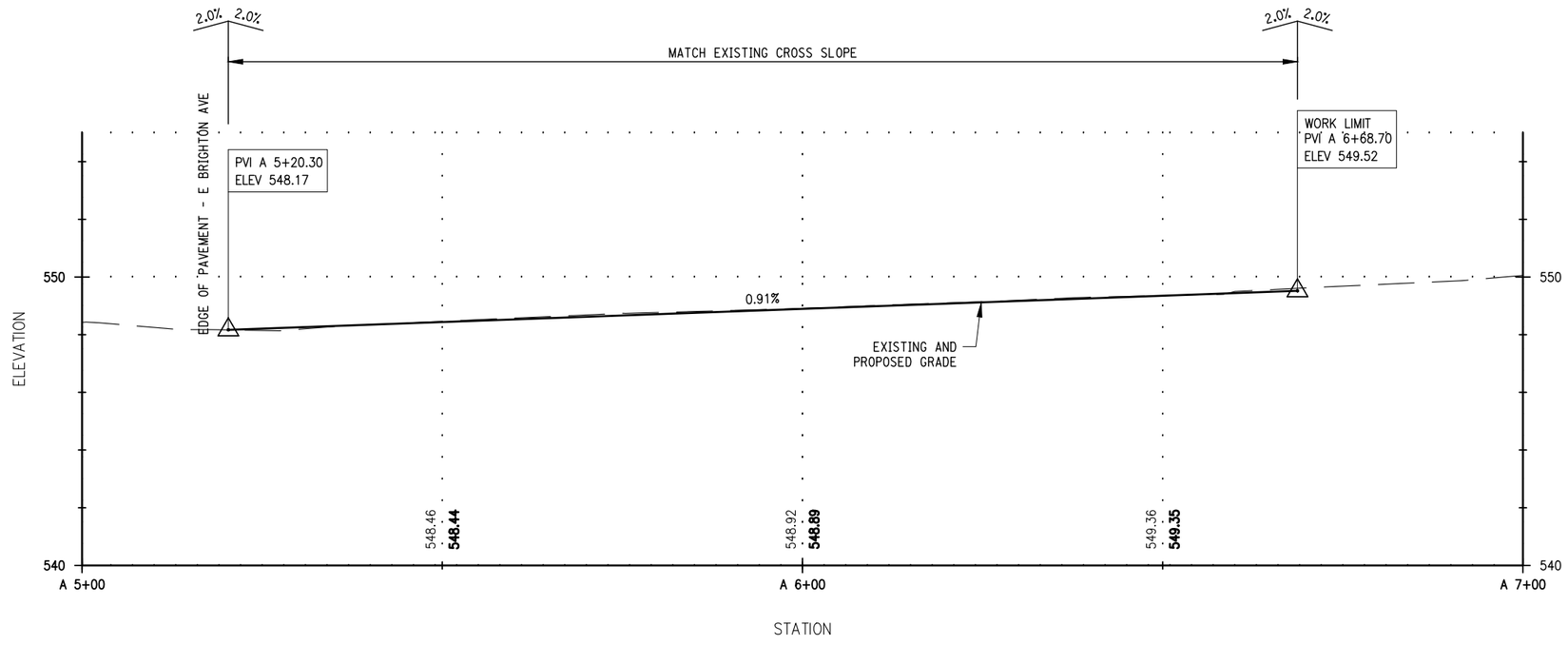
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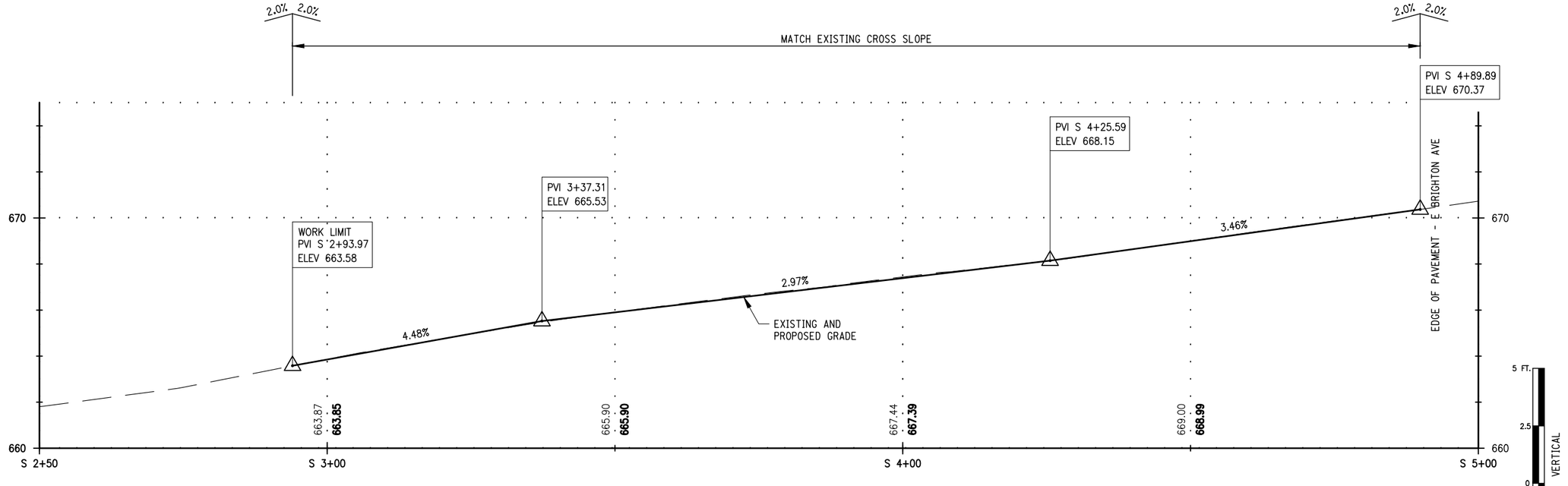
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AINSLEY DRIVE



EAST SENECA TURNPIKE (WEST OF BRIGHTON AVE)

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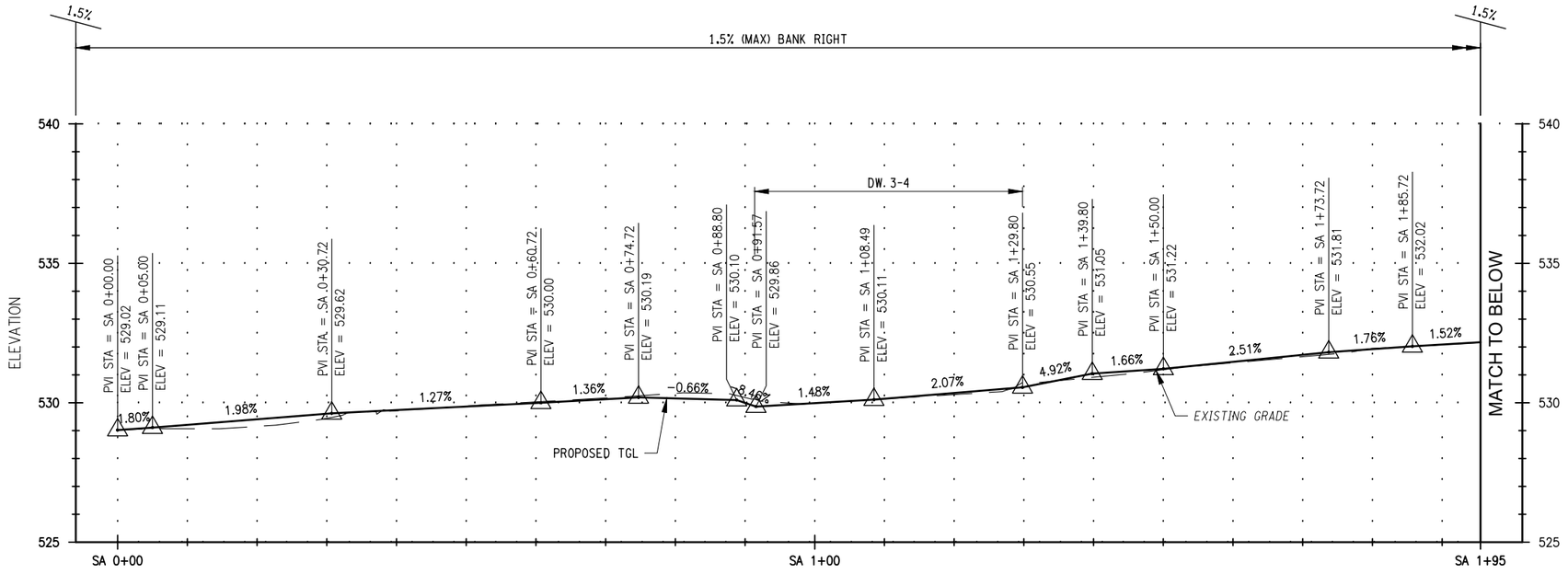
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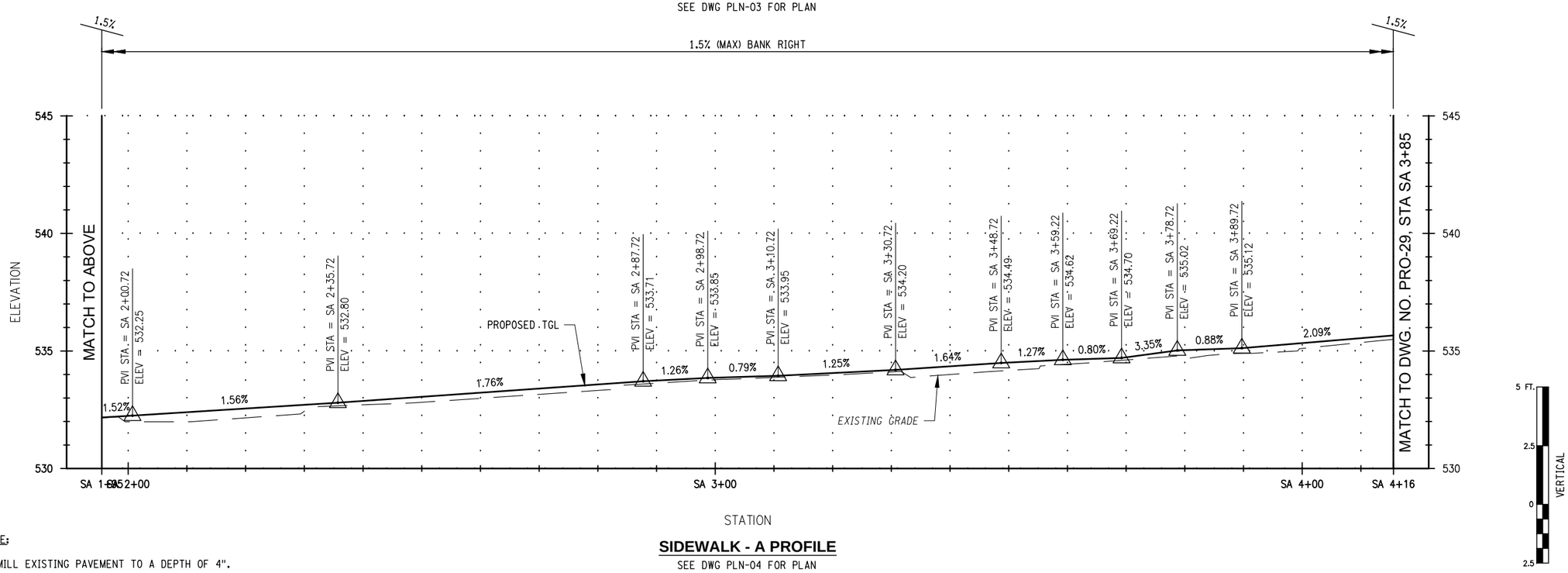
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SIDEWALK - A PROFILE

SEE DWG PLN-03 FOR PLAN



SIDEWALK - A PROFILE

SEE DWG PLN-04 FOR PLAN

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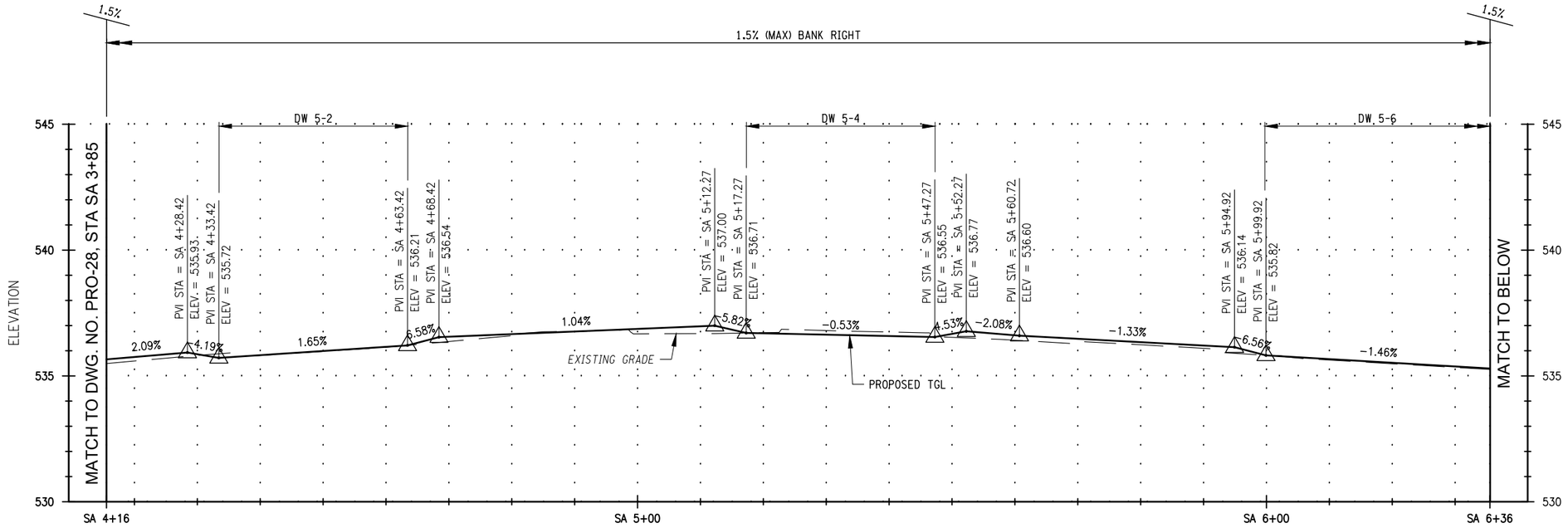
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SIDEWALK PROFILE

SPR-01

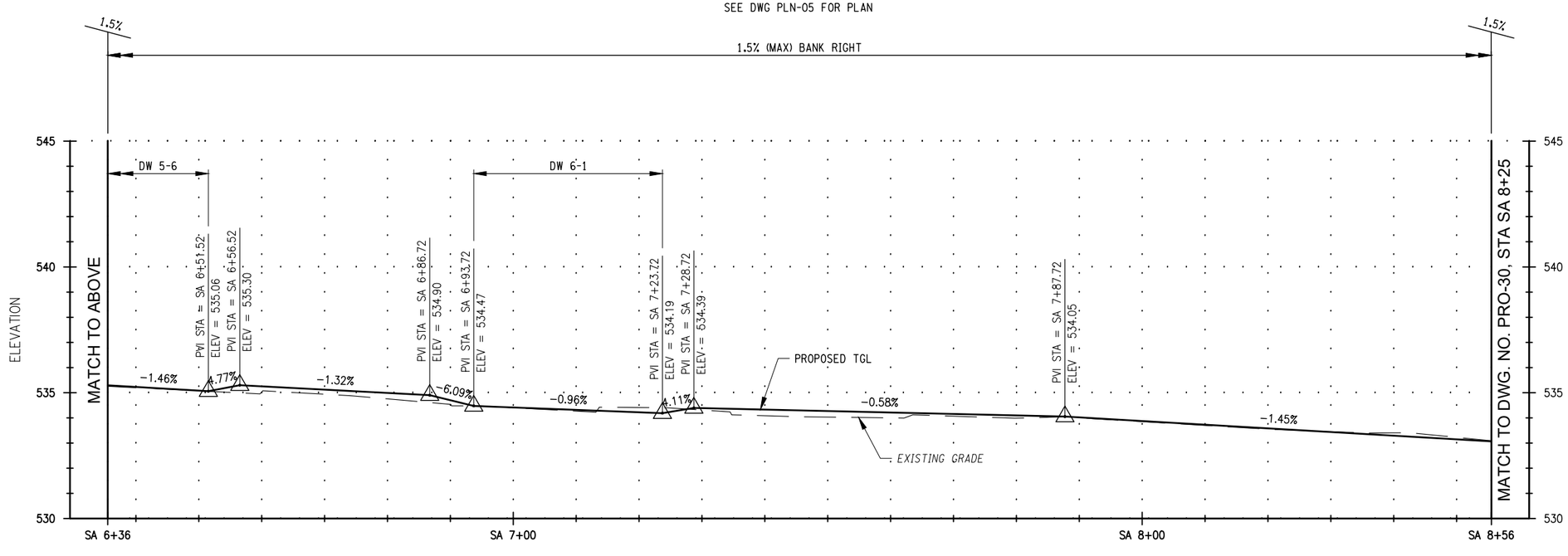
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SIDEWALK - A PROFILE

SEE DWG PLN-05 FOR PLAN



SIDEWALK - A PROFILE

SEE DWG PLN-06 FOR PLAN

NOTE:

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2. PROPOSED CROSS SLOPES SHOULD MATCH EXISTING.
3. EXISTING PAVEMENT CROSS-SLOPES INFORMATION IS PROVIDED FOR THE CONTRACTOR'S USE

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRAUSS
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse
New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

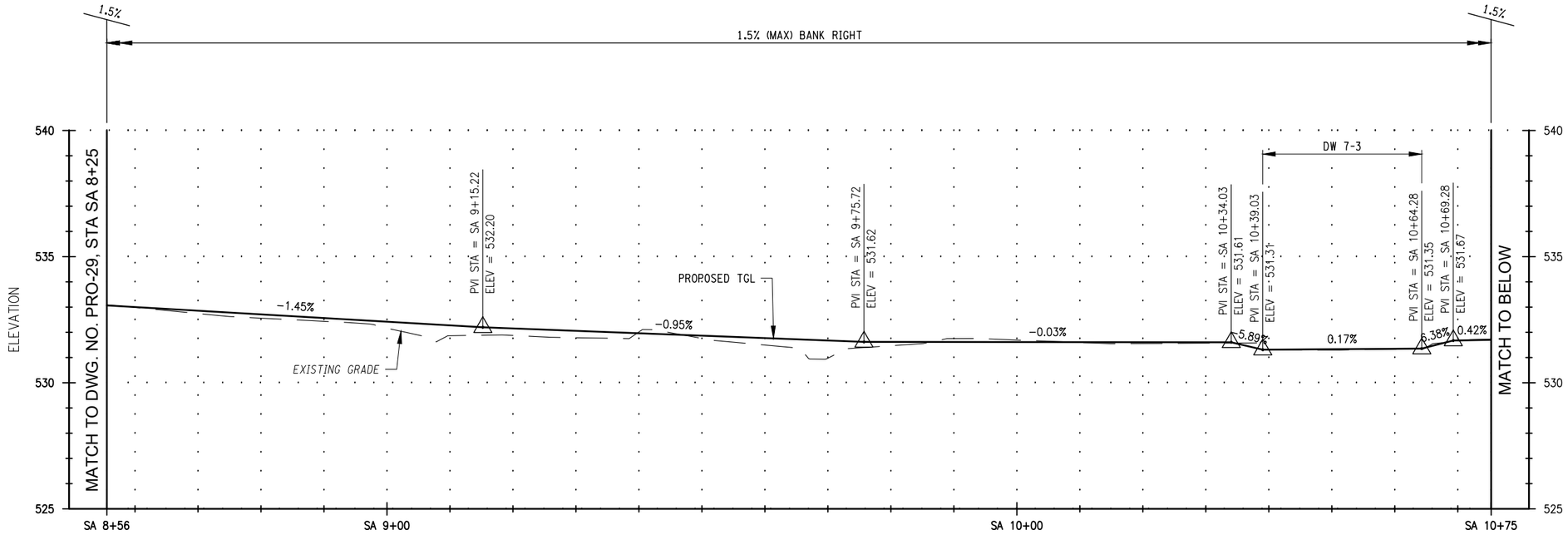
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SIDEWALK PROFILE

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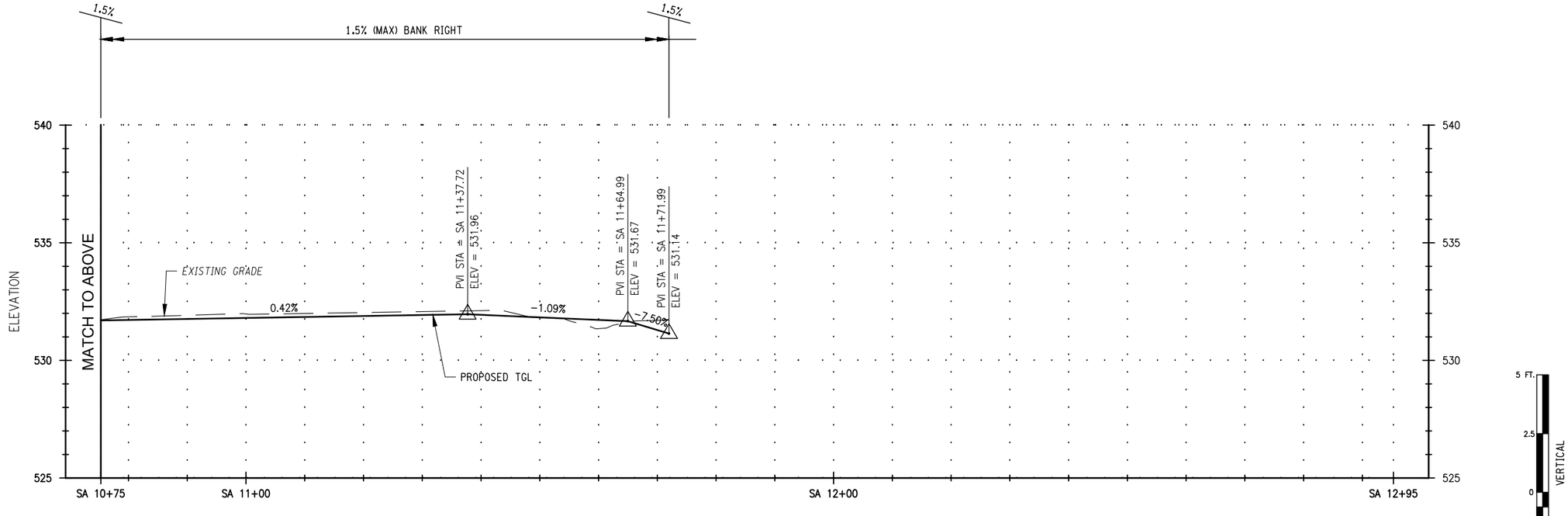
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SIDEWALK - A PROFILE

SEE DWG PLN-07 FOR PLAN



SIDEWALK - A PROFILE

SEE DWG PLN-08 FOR PLAN

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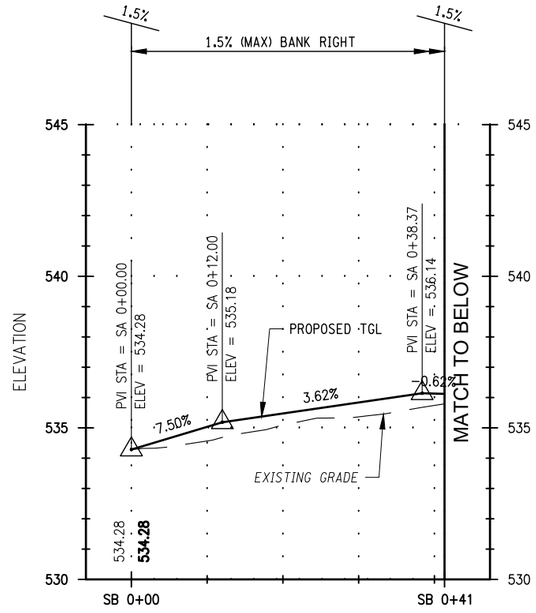
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SIDEWALK PROFILE

SPR-03

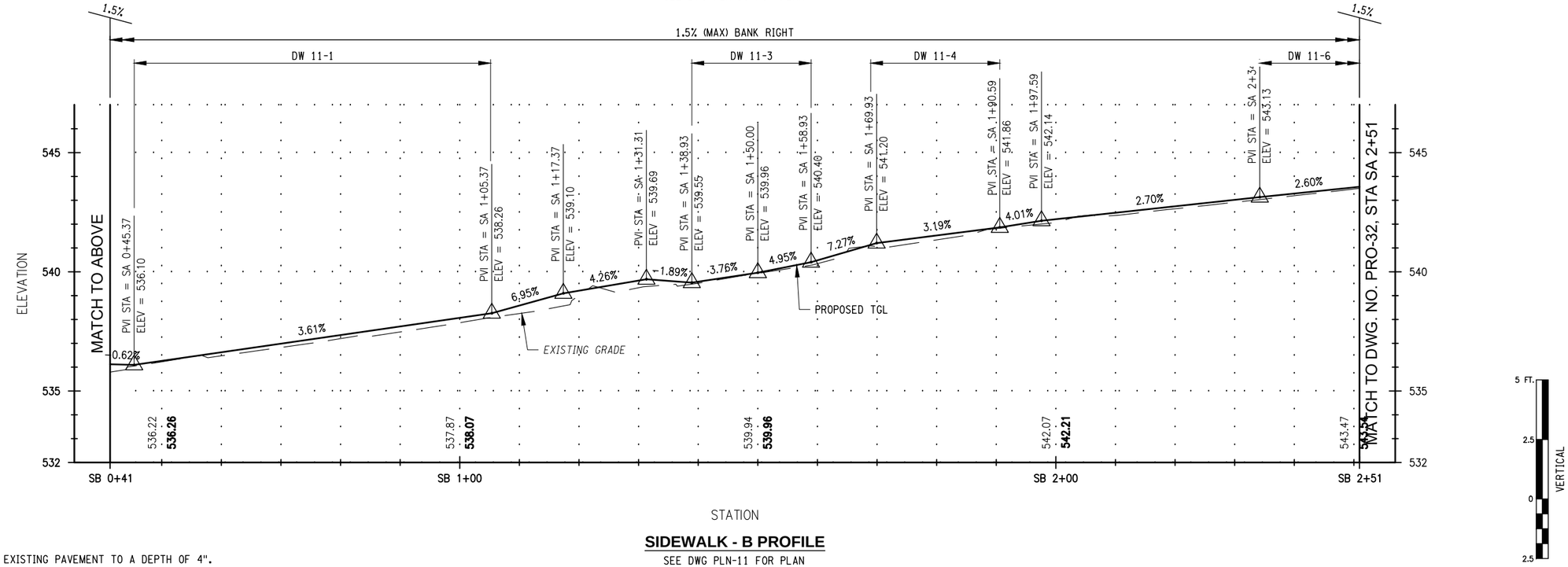
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SIDEWALK - B PROFILE

SEE DWG PLN-10 FOR PLAN



SIDEWALK - B PROFILE

SEE DWG PLN-11 FOR PLAN

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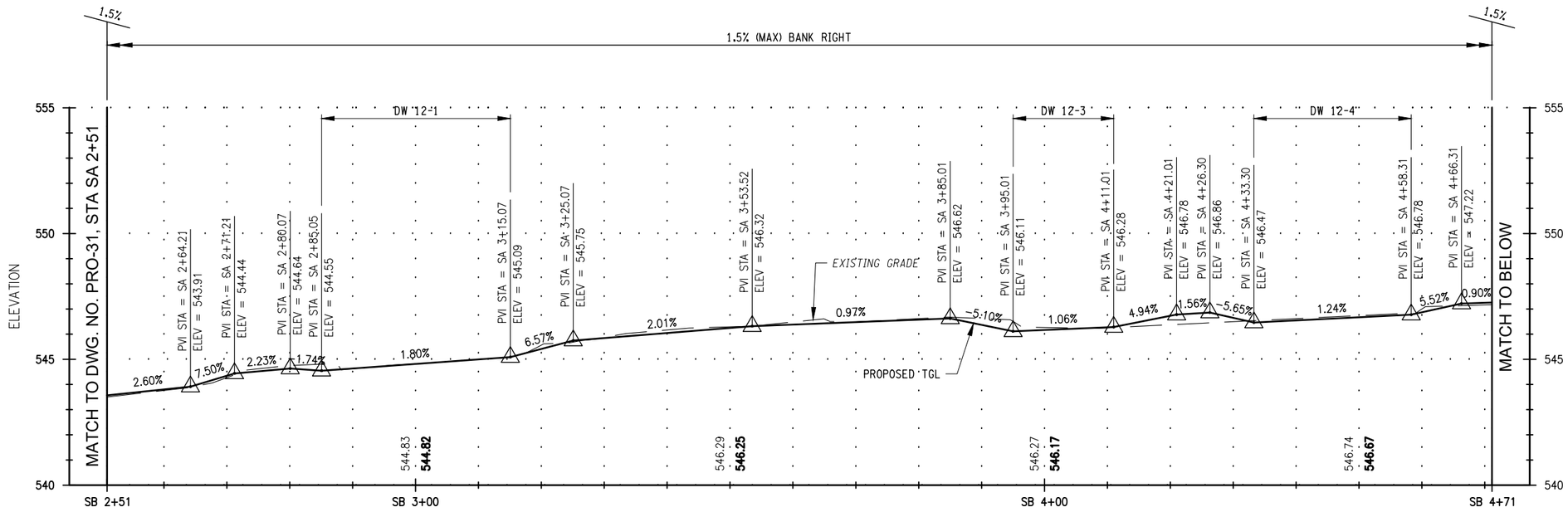
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SIDEWALK PROFILE

SPR-04

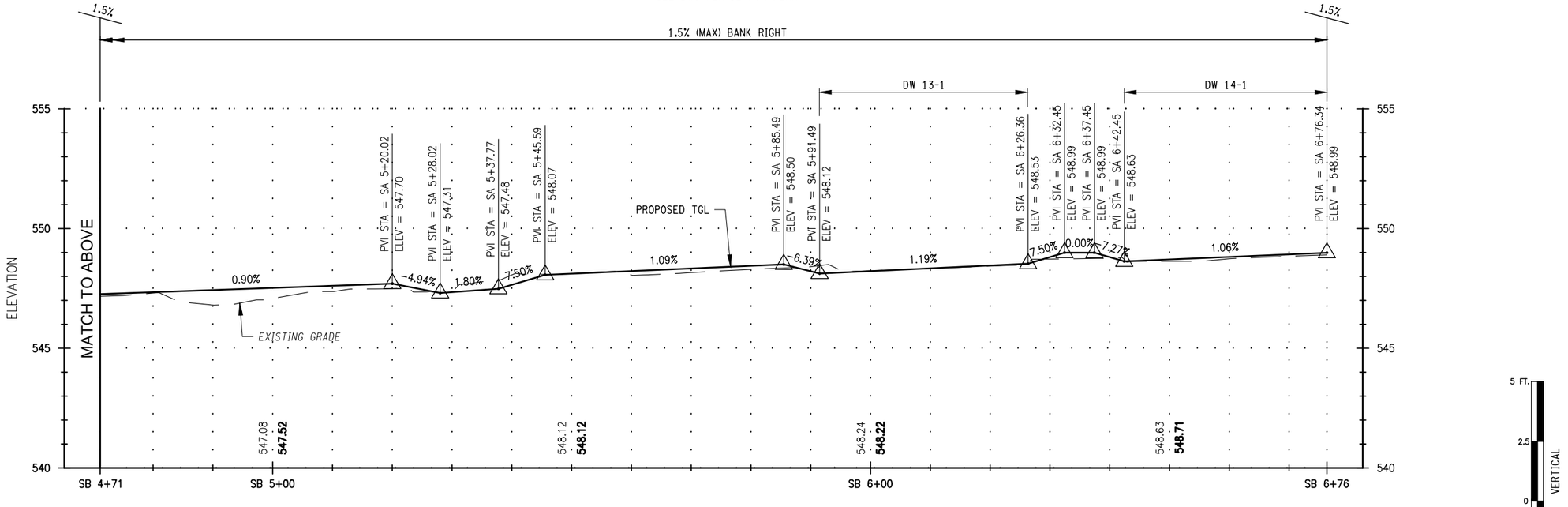
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SIDEWALK - B PROFILE

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SIDEWALK - B PROFILE

SEE DWG PLN-13 FOR PLAN

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SIDEWALK PROFILE

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DEFINITIONS

1. THE WORDS "SHALL", "SHOULD", AND "MAY", AS USED IN THE CONTRACT DOCUMENTS, HAVE THE FOLLOWING MEANING:

   SHALL - A MANDATORY CONDITION. IN THE DESIGN, APPLICATION OR LOCATION OF DEVICES REQUIREMENTS HAVING "SHALL" STIPULATIONS ARE MANDATORY. NO DISCRETION IN FOLLOWING THEM IS ALLOWED.

   SHOULD - AN ADVISORY CONDITION. WHERE "SHOULD" IS USED IN RELATION TO A PROVISION, THAT PROVISION IS RECOMMENDED, AND NORMALLY IS TO BE FOLLOWED, BUT IS NOT MANDATORY. DEVIATION FROM SUCH PROVISIONS IS PERMISSIBLE IF, AND TO THE EXTENT, THERE IS JUSTIFIABLE CAUSE TO DO SO.

   MAY - A PERMISSIVE CONDITION. NO REQUIREMENT FOR DESIGN OR APPLICATION IS INTENDED.

CLEARANCES

1. ALL SIGNALS IN THIS CONTRACT SHALL BE A MINIMUM OF 16.5 FEET ABOVE THE HIGH POINT OF THE ROADWAY, WITH ALL RED INDICATIONS LEVEL ACROSS THE INTERSECTION. NO EXCEPTIONS SHALL BE MADE FOR SIGNALS MOUNTED BELOW 16.5 FEET. FOR SIGNALS WITH BACK PLATES MOUNTED ON THEM, THE BOTTOM OF THE BACK PLATE SHALL BE A MINIMUM OF 16.5 FEET ABOVE THE HIGH POINT OF THE ROADWAY.

SIGNAL POLES

1. ALL NECESSARY HOLES IN THE POLE BELOW THE LOAD ATTACHMENT POINT AND GREATER THAN 3/4" IN DIAMETER SHALL BE MADE BY THE MANUFACTURER AND REINFORCED ACCORDING TO FABRICATION DETAILS AND CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL FURNISH AND INSTALL ANCHOR BOLT COVERS FOR ANY TRAFFIC SIGNAL POLE OR PEDESTRIAN POLE WHERE PEDESTRIAN TRAFFIC MAY EXIST. CONTRACTOR SHALL CONTACT THE CITY OF SYRACUSE DEPARTMENT OF PUBLIC WORKS AT (315) 391-3482 TO MAKE THIS DETERMINATION.
3. FOR THOSE POLES ON WHICH A TRAFFIC SIGNAL CABINET WILL BE MOUNTED, THE POLE MANUFACTURER WILL BE REQUIRED TO WELD A CABINET WIRING ACCESS COUPLING INTO THE POLE AS PART OF THE POLE MANUFACTURING PROCESS. THIS COUPLING SHALL BE CENTERED 12 INCHES FROM THE BOTTOM OF THE BASE PLATE AND 90 DEGREES CLOCKWISE (TOP VIEW) FROM THE ACCESS HAND HOLE, UNLESS OTHERWISE SPECIFIED. THE COUPLING SHALL BE DESIGNED TO ACCEPT 1 1/2 INCHES OF A STANDARD 4-INCH DIAMETER GALVANIZED PIPE FROM THE OUTSIDE OF THE POLE AND SHALL PROTRUDE NO MORE THAN 1/2 INCH ON THE OUTSIDE OF THE POLE. AN INSULATED CHASE NIPPLE SHALL BE INSTALLED IN THE COUPLING ON THE INSIDE OF THE POLE. THE COUPLING SHALL BE DESIGNED TO REINFORCE THE HOLE IN WHICH IT IS INSTALLED.
4. AT INTERSECTIONS WHERE SIGNAL POLES OR PEDESTRIAN POLES ARE BEING PLACED IN SIDEWALKS, THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE TOP OF THE SIDEWALK.
5. ALL SUPPLEMENTAL HEADS SHALL BE BRACKET MOUNTED 12 FT ABOVE THE HIGH POINT OF THE ROAD OR SIDEWALK, WHICHEVER IS GREATER. THE SIGNAL HEADS SHALL BE BANDED TO THE POLE AND HAVE ONE BOLT THROUGH THE TOP BRACKET. A RUBBER GROMMET SHALL BE INSTALLED IN THE HOLE DRILLED IN THE POLE AT THE TOP MOUNTING BRACKET. A WIRE STRAIN RELIEF/HOOK SHALL ALSO BE INSTALLED AT THE TOP OF THE SUPPLEMENTAL POLE TO HANG THE SIGNAL CABLE ON.

MAST ARM POLES

1. MAST ARM TRAFFIC SIGNAL POLES SHALL HAVE A TAPERED MAST ARM. ALL MAST ARMS SHALL ALSO USE ONLY ASTM F1554, GRADE 55 ANCHOR BOLTS.
2. THE PROPOSED LOCATION OF THE FREE END OF ANY MAST ARM IS REQUIRED TO BE VERIFIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO SETTING THE BOLT ORIENTATION IN THE POLE FOUNDATION. CONTRACTOR SHALL ALSO NOTIFY THE ENGINEER TO VERIFY PROPER LOCATION OF ALL SIGNAL HEADS AND SIGNS PRIOR TO INSTALLATION.

PULLBOXES

1. PULLBOXES SHALL HAVE A TWO-FOOT MINIMUM DRAINAGE BED OF NO. 2 CRUSHED STONE OR GRAVEL PLACED BELOW THE PULLBOX, AOBE. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE PULL BOX ITEM.
2. ON STANDARD SHEET NO. 680-04, ALL PULLBOXES SHALL BE SET TO 1/2 INCH BELOW GRADE WITH ALL THE SURROUNDING SURFACES, EXCEPT SIDEWALKS, WHERE THEY SHALL BE FLUSH.
3. WHENEVER A PULLBOX IS TO BE PLACED IN SIDEWALK, THE AFFECTED SLABS SHALL BE FULLY REMOVED AND REPLACED, AND THE PULLBOX SHALL BE SET FLUSH WITH THE SIDEWALK. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PULL BOX ITEM.

MICROCOMPUTER CABINET

1. EACH AND EVERY CABLE ENTERING THE CONTROLLER CABINET AND PULLBOXES SHALL BE PERMANENTLY MARKED BY FUNCTION AND PHASE STAMPED ON NYSDOT APPROVED TAGS. THE TAGS SHALL BE ATTACHED TO THE CABLES WITH PLASTIC OR NYLON LINE.
2. ON STANDARD SHEET NO. 680-05, THE CABINET SHALL ONLY BE BANDED TO THE POLE AT BOTH THE TOP AND BOTTOM BRACKETS. WELDING SHALL NOT BE ALLOWED. FOR A GROUND MOUNTED CABINET, THE BOLT DIAMETER CONNECTING THE BASE TO THE CONCRETE SHALL BE 3/4 INCH.
3. THE MOUNTING HEIGHT FOR THE MICROCOMPUTER CABINET AS SHOWN ON STANDARD SHEET 680-05 SHALL BE INCREASED TO 24 INCHES WITH THE HAND HOLE OPENING FOR THE 4 NPS CONDUIT/ 90 DEGREE PULLING ELBOW (LB) FACING OUT AWAY FROM THE POLE, NOT DOWN TOWARDS THE GROUND.
4. EVERY CONDUIT ENTRANCE TO THE TRAFFIC SIGNAL CABINET SHALL BE SEALED USING NON-SHEDDING STAINLESS STEEL SPONGES. THE STEEL SPONGES SHOULD NOT ACTUALLY BE PLACED INSIDE THE CABINET, BUT INSIDE THE LB AS IT PASSES INTO THE POLE. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE CONTROLLER ITEM.
5. IN UNPAVED AREAS, THE CONTRACTOR SHALL INSTALL A 5 FT X 5 FT CONCRETE WORK PAD. WHETHER PRECAST OR CAST IN PLACE, AS SHOWN ON STANDARD SHEET 680-05, THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE CONTROLLER ITEM.
6. THE CONTRACTOR SHALL REQUEST PERMISSION FROM THE CITY OF SYRACUSE DEPARTMENT OF PUBLIC WORKS AT (315) 391-3482 TO ENTER INTO ANY EXISTING TRAFFIC SIGNAL CONTROLLER CABINET OR DO ANY WORK ON AN EXISTING TRAFFIC SIGNAL CONTROLLER CABINET, AND TWO WEEKS BEFORE ENERGIZING ANY SIGNAL INSTALLATION TO SCHEDULE A TURN ON DATE.
7. THE CONTRACTOR SHALL NOTIFY THE CITY OF SYRACUSE DEPARTMENT OF PUBLIC WORKS AT (315) 391-3482 PRIOR TO BEGINNING WORK AT ANY SIGNAL, AND AGAIN TWO WEEKS BEFORE ATTEMPTING TO ENERGIZE A SIGNAL TO SCHEDULE A TURN ON DATE

TRAFFIC SIGNAL

1. ALL POLYCARBONATE SIGNAL HEADS WITH THREE OR MORE SECTIONS REQUIRE A REINFORCEMENT PLATE UNLESS CONNECTED TO A FIXED OBJECT (POLE OR MAST ARM) BY A BRACKET WITH TWO SEPARATE CONNECTION POINTS (TOP AND BOTTOM).
2. THE CONTRACTOR SHALL INSTALL A HEAVY-DUTY STAINLESS-STEEL COTTER PIN AND A STAINLESS-STEEL WASHER ON THE SIGNAL HEAD BALANCE ADJUSTER.
3. ALL TRAFFIC SIGNAL HEADS SHALL HAVE 12" LENSES.
4. ITEM 680.81990003 - "TRAFFIC SIGNAL BACK PLATES WITH YELLOW REFLECTIVE TAPE" SHALL BE MODIFIED TO ONLY ALLOW 5 INCH NON LOUVERED, FLAT BLACK FINISHED BACK PLATES WITH A 3-INCH-WIDE YELLOW REFLECTIVE TAPE BORDER AROUND THE OUTER EDGE. ALL BACKPLATES SHALL BE 1/4 INCH THICK AND ONLY STAINLESS-STEEL HARDWARE COMPATIBLE WITH PLASTIC SURFACES SHALL BE USED. THE HARDWARE SHALL EXTEND SLIGHTLY BEYOND THE BACKPLATE BUT SHALL NOT INTERFERE WITH THE SIGNAL HEAD DOOR OR IT'S SEALS. BACK PLATES SHALL BE INSTALLED IN SUCH A WAY THAT THEY DO NOT INTERFERE WITH OR BLOCK ANY EXISTING EQUIPMENT, INCLUDING TETHER WIRES, SIGNAL HEADS, OR SIGNS. BACK PLATES SHALL NOT BE MODIFIED WITHOUT APPROVAL BY SYRACUSE DPW TRAFFIC SIGNAL MAINTENANCE.

CONDUITS

1. WHERE CONDUIT IS TO BE PLACED UNDER THE ROADWAY, THE CONTRACTOR SHALL USE A 3" DIAMETER CONDUIT, UNLESS OTHERWISE SHOWN ON THE PLAN SHEET.
2. UNLESS OTHERWISE NOTED ON THE PLANS, ALL SIGNAL POLE AND CONTROLLER BASES SHALL HAVE A MINIMUM OF 3 NPS DIAMETER CONDUIT SWEEP. PEDESTRIAN SIGNAL POLES SHALL HAVE A MINIMUM OF 2 NPS DIAMETER CONDUIT SWEEP.
3. ALL SIGNAL CONDUITS SHALL BE BONDED WITH A #6 BARE STRANDED COPPER GROUND WIRE.
4. ALL COUPLINGS AND BUSHINGS SHALL BE MECHANICALLY THREADED. COMPRESSION OR SLIP TYPE COUPLINGS OR BUSHINGS SHALL NOT BE ALLOWED.

PAVEMENT MARKINGS

1. PAVEMENT MARKINGS SHOWN ON THE TRAFFIC SIGNAL PLANS, UNLESS OTHERWISE NOTED, ARE FOR DESIGN PURPOSES ONLY.

GROUNDING

1. THE DRAIN GROUND WIRE IN THE SHIELDED LEAD-IN CABLE SHALL NOT BE GROUNDED AT THE CONTROLLER OR AT ANY OTHER LOCATION.

DETECTION

1. CLARIFICATION OF CONTRACTOR'S RESPONSIBILITY REGARDING MAINTAINING LOOP DETECTION UNDER "MAINTAIN TRAFFIC SIGNAL EQUIPMENT": THE CONTRACTOR SHALL MAINTAIN EXISTING VEHICLE DETECTION WITH REASONABLE CARE. UNLESS OTHERWISE NOTED, THE MAXIMUM LENGTH OF TIME THAT AN INTERSECTION CAN BE WITHOUT DETECTION IS TWO (2) WEEKS. IF DETECTION IS NOT RESTORED WITHIN THIS TIME FRAME, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH VEHICLE DETECTION AT THEIR OWN EXPENSE.
2. THE EQUIPMENT PROVIDED FOR ITEM 680.05010007 - 360 DEGREE CAMERA VIDEO DETECTION SYSTEM AND ITEM 680.05020007 - 360 DEGREE CAMERA ASSEMBLY SHALL NOT REQUIRE ANY BACKGROUND MASKING, AND SOFTWARE UPDATES SHALL BE DONE REMOTELY BY AN AUTOMATIC PUSH TO ALL SITES. THE SOFTWARE SHALL ALSO HAVE THE ABILITY TO CLASSIFY VEHICLE COUNTS INTO SIX DISTINCT TYPES: BICYCLES, CARS AND LIGHT VEHICLES, MOTORCYCLES, BUSES, SINGLE-UNIT TRUCKS, AND ARTICULATED TRUCKS.

CONTRACTOR

1. NO PROPOSAL WHICH MODIFIES THE APPROVED DESIGN PLAN SUGGESTED BY EITHER THE CONTRACTOR, OR CONSTRUCTION PERSONNEL SHALL BE MADE IN THE FIELD WITHOUT FIRST CONSULTING WITH THE CITY OF SYRACUSE DEPARTMENT OF PUBLIC WORKS AT (315)391-3482. THESE CHANGES INCLUDE, BUT ARE NOT LIMITED TO, 90-DEGREE BENDS IN THE CONDUITS.
2. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THERE MAY BE OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF WORK FOR THIS CONTRACT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE WORK OF THIS CONTRACT WITH THAT OF OTHERS SO THERE IS NO CONFLICT.

SALVAGE

1. CONTRACTOR SHALL PROVIDE 14 DAYS ADVANCE NOTICE TO THE CITY OF SYRACUSE DEPARTMENT OF PUBLIC WORKS AT (315) 391-3482 TO SCHEDULE DROP OFF TIME TO THE DEPARTMENT OF PUBLIC WORKS OF ALL EQUIPMENT LISTED ON THE SIGNAL PLAN SHEET TO BE REMOVED AND DELIVERED BY CONTRACTOR TO THE DPW. THIS SHALL INCLUDE AN ITEMIZED LIST WHICH WILL BE SIGNED BY TRAFFIC SIGNAL MAINTENANCE WITH A COPY PROVIDED TO THE CONTRACTOR.

UTILITIES

1. THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES MAY BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE TRUE LOCATION BEFORE COMMENCING WORK. BEFORE ANY PIPE IS PLACED, THE CONTRACTOR SHALL UNCOVER ALL UTILITIES AT PIPE CROSSINGS TO ENABLE THE ENGINEER TO VERIFY THE PROPOSED PIPE WITH GRADES SHOWN ON THE PLANS IS NOT OBSTRUCTED BY EXISTING UTILITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY WORK WITH THE RESPECTIVE OWNERS DURING CONSTRUCTION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS IN THE CONTRACT.
3. ALL SIGNAL EQUIPMENT SHALL BE PLACED IN A 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.
4. CONTRACTOR IS TO CONTACT DIG SAFELY NEW YORK AT 811 FOR MARK OUT OF ALL UNDERGROUND SIGNAL CONDUIT AND LOOP WIRE PRIOR TO ANY DIGGING. ANY BROKEN SIGNAL WIRE CANNOT BE SPLICED. A NEW RUN OF WIRE FROM THE POLE TO THE FURTHEST END MUST BE REPLACED.
5. UNDERGROUND UTILITY LOCATIONS ARE NOT GUARANTEED, NOR IS THERE ANY GUARANTEE THAT ALL EXISTING UTILITIES, WHETHER FUNCTIONAL OR ABANDONED, WITHIN THE PROJECT AREA ARE SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE STARTING WORK AND SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM THEIR WORK. CONTRACTOR SHALL NOTIFY DIG SAFELY NEW YORK AT 811 IN ACCORDANCE WITH 16 NYCRR PART 753.

HIGHWAY MAINTENANCE

1. UPON COMPLETION AND ACCEPTANCE OF THIS CONTRACT, THE HIGHWAY WILL CONTINUE TO BE MAINTAINED BY THOSE AGENCIES WHICH HAD JURISDICTION PRIOR TO THIS CONTRACT.

COORDINATION OF CONSTRUCTION ACTIVITIES

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION OPERATIONS AND SIGNING FOR THIS CONTRACT WITH THE OPERATIONS AND SIGNING OF OTHER WORK WITHIN THE CONTRACT LIMITS.
2. THE EXISTING SIGNAL HEADS AND OVERHEAD SIGNS CANNOT BE BLOCKED BY THE NEW SIGNAL HEADS AND OVERHEAD SIGNS AT ANY POINT DURING CONSTRUCTION. NEW SIGNAL HEADS AND OVERHEAD SIGNS SHALL REMAIN COVERED UNTIL THE DAY THE NEW SIGNAL IS TO BE TURNED ON.

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TRAFFIC SIGNAL NOTES

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PEDESTRIAN SIGNALS

1. ALL PEDESTRIAN PUSH BUTTONS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS.
2. ALL PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED PARALLEL WITH THE APPROPRIATE CROSSWALK. ALSO, ALL INDICATIONS SHALL BE INSTALLED AWAY FROM TURNING VEHICULAR TRAFFIC UNLESS OTHERWISE SHOWN ON THE PLAN SHEET.
3. ALL PEDESTRIAN SIGNS SHALL BE 9 INCHES X 15 INCHES (R10-3E) REGARDLESS OF THE SIZE OF POLE THEY ARE INSTALLED ON. THE COST OF FURNISHING AND INSTALLING THESE SIGNS SHALL BE INCLUDED IN THE BID PRICE FOR THE AUDIBLE PEDESTRIAN SIGNAL ITEM.
4. ON STANDARD SHEET NO. 680-10, THE PEDESTRIAN INDICATIONS SHALL BE BANDED TO THE POLE AND HAVE ONE BOLT THROUGH THE TOP BRACKET.
5. THE PRICE BID FOR THE AUDIBLE PEDESTRIAN SIGNAL ITEM SHALL INCLUDE PROGRAMMING ALL THE FOLLOWING SETTINGS FOR AN AUDIBLE PEDESTRIAN SIGNAL PRIOR TO ACTIVATION:
   - LOCATE VOL MIN: 50
   - LOCATE VOL MAX: 60
   - INFO MSG VOL MIN: 50
   - STD WALK VOL MIN: 50
   - STD WALK VOL MAX: 60
   - EXT WALK VOL MIN: 50
   - EXT WALK VOL MAX: 60
   - VOL OVER AMBIENT: +5
6. AS PART OF THE AUDIBLE PEDESTRIAN SIGNAL ITEM, THE CONTRACTOR SHALL PROVIDE THE CITY OF SYRACUSE DEPARTMENT OF PUBLIC WORKS WITH A SPREADSHEET OF STREET NAMES TO BE PROGRAMMED INTO THE PEDESTRIAN SIGNAL FOR APPROVAL PRIOR TO ORDERING. THE CONTRACTOR SHALL ALSO PROVIDE THE CITY OF SYRACUSE DEPARTMENT OF PUBLIC WORKS WITH THE AUDIO FILE FOR ALL AUDIBLE PEDESTRIAN SIGNALS PRIOR TO ACTIVATION.

SIGNS

1. A STAINLESS STEEL BOLT, NUT, AND LOCK WASHER SHALL BE INSTALLED A MINIMUM OF 2 INCHES FROM THE BOTTOM OF THE OVERHEAD MOUNTED SIGN PIPE. THE COST OF FURNISHING AND INSTALLING THIS EQUIPMENT SHALL BE INCLUDED IN THE PRICE FOR THE OVERHEAD SIGN ASSEMBLIES.
2. OVERHEAD LANE SIGNS SHALL BE CENTERED OVER THEIR RESPECTIVE LANES.
3. SIGN NUMBERS SHOWN REFER TO THE NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND 17 NYCRR CHAPTER V (NEW YORK SUPPLEMENT).
4. ALL OVERHEAD SIGNAL RELATED SIGNS IN THIS CONTRACT SHALL BE A MINIMUM OF 16.5 FEET ABOVE THE HIGH POINT OF THE ROADWAY, WITH THE BOTTOM OF THE SIGN EVEN WITH THE BOTTOM OF THE SIGNAL HEAD, OR BACK PLATE.
5. STREET SIGNS LESS THAN 7.5 FEET LONG SHALL HAVE A MINIMUM OF TWO MOUNTS ON THE MAST ARM. STREET SIGNS GREATER THAN 7.5 FEET LONG SHALL HAVE A MINIMUM OF THREE MOUNTS. STREET SIGNS SHALL BE INSTALLED PERPENDICULAR TO THE APPROACH, IN LINE WITH THE MAST ARM. MOUNTING EQUIPMENT USED SHALL BE SIMILAR TO THAT USED FOR ITEM 680.8207

ELECTRICAL SERVICE

1. ITEM NUMBER 680.950106 SHALL BE FURNISHED WITH THREE CONDUCTORS. TWO BLACK COLORED CONDUCTORS, AND ONE WHITE COLORED CONDUCTOR.
2. WHEN THE ELECTRICAL SERVICE IS INSTALLED ON THE SIGNAL POLE, THE METER CHANNEL ASSEMBLY SHALL BE ATTACHED TO THE POLE WITH STAINLESS STEEL BANDING ONLY.
3. THE METER CHANNEL SHALL BE INSTALLED SUCH THAT IT IS LOCATED AWAY FROM VEHICULAR TRAFFIC FLOW, AND AT A HEIGHT THAT COMPLIES WITH THE LOCAL UTILITY COMPANY.
4. FOR NEW OR REVISED ELECTRICAL SERVICE ORDERS (ESO'S) IN THE NATIONAL GRID TERRITORY, THE CONTRACTOR SHALL CALL NATIONAL GRID AT (315) 460-1135 INSTEAD OF THE TOLL-FREE NUMBER.
5. POWER SERVICE TO SIGNALS INSTALLED SHALL BE IN COMPLIANCE WITH REQUIREMENTS OF THE NATIONAL ELECTRIC CODE.
6. UNDER ITEM 680.9499 – INSTALL ELECTRICAL DISCONNECT GENERATOR TRANSFER SWITCH CONTRACTOR SHALL ALSO FURNISH ALL MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THIS WORK.

PRE-EMPTION

1. ALL NEW AND REPLACEMENT TRAFFIC SIGNAL INSTALLATION IN THIS CONTRACT SHALL HAVE PRE-EMPTION CAPABILITY PROGRAMMED IN THE CONTROLLER CABINET. THE CITY OF SYRACUSE IS USING A CLOUD-BASED SYSTEM THAT IS COMPATIBLE WITH THE 360 DEGREE CAMERA SYSTEM.
2. CONTRACTOR SHALL COORDINATE WITH ZACH SMITH, CITY OF SYRACUSE FIRE DEPARTMENT DEPUTY CHIEF AT (315) 473-3276 AS NEEDED FOR ANY QUESTIONS RELATED TO THE PRE-EMPTION SYSTEM AND AS NECESSARY TO COORDINATE INSTALLATION AND PROGRAMING OF THE SOFT-WARE FOR PRE-EMPTION CAPABILITY.

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 174

CHANGES INCLUDE:

1. **ADDITION OF THE PRE-EMPTION NOTE.**

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2/11/2026

STATE OF NEW YORK
DOUGLAS OWEN STANDISH
LICENSED PROFESSIONAL ENGINEER
NO. 073781

Syracuse
New York

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

TRAFFIC SIGNAL NOTES

TSN-02

SHEET 174R1 OF 241

Feb 11, 2026 - 8:08am
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PEDESTRIAN SIGNALS

1. ALL PEDESTRIAN PUSH BUTTONS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS.
2. ALL PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED PARALLEL WITH THE APPROPRIATE CROSSWALK. ALSO, ALL INDICATIONS SHALL BE INSTALLED AWAY FROM TURNING VEHICULAR TRAFFIC UNLESS OTHERWISE SHOWN ON THE PLAN SHEET.
3. ALL PEDESTRIAN SIGNS SHALL BE 9 INCHES X 15 INCHES (R10-3E) REGARDLESS OF THE SIZE OF POLE THEY ARE INSTALLED ON. THE COST OF FURNISHING AND INSTALLING THESE SIGNS SHALL BE INCLUDED IN THE BID PRICE FOR THE AUDIBLE PEDESTRIAN SIGNAL ITEM.
4. ON STANDARD SHEET NO. 680-10, THE PEDESTRIAN INDICATIONS SHALL BE BANDED TO THE POLE AND HAVE ONE BOLT THROUGH THE TOP BRACKET.
5. THE PRICE BID FOR THE AUDIBLE PEDESTRIAN SIGNAL ITEM SHALL INCLUDE PROGRAMMING ALL THE FOLLOWING SETTINGS FOR AN AUDIBLE PEDESTRIAN SIGNAL PRIOR TO ACTIVATION:
   - LOCATE VOL MIN: 50
   - LOCATE VOL MAX: 60
   - INFO MSG VOL MIN: 50
   - STD WALK VOL MIN: 50
   - STD WALK VOL MAX: 60
   - EXT WALK VOL MIN: 50
   - EXT WALK VOL MAX: 60
   - VOL OVER AMBIENT: +5
6. AS PART OF THE AUDIBLE PEDESTRIAN SIGNAL ITEM, THE CONTRACTOR SHALL PROVIDE THE CITY OF SYRACUSE DEPARTMENT OF PUBLIC WORKS WITH A SPREADSHEET OF STREET NAMES TO BE PROGRAMMED INTO THE PEDESTRIAN SIGNAL FOR APPROVAL PRIOR TO ORDERING. THE CONTRACTOR SHALL ALSO PROVIDE THE CITY OF SYRACUSE DEPARTMENT OF PUBLIC WORKS WITH THE AUDIO FILE FOR ALL AUDIBLE PEDESTRIAN SIGNALS PRIOR TO ACTIVATION.

SIGNS

1. A STAINLESS STEEL BOLT, NUT, AND LOCK WASHER SHALL BE INSTALLED A MINIMUM OF 2 INCHES FROM THE BOTTOM OF THE OVERHEAD MOUNTED SIGN PIPE. THE COST OF FURNISHING AND INSTALLING THIS EQUIPMENT SHALL BE INCLUDED IN THE PRICE FOR THE OVERHEAD SIGN ASSEMBLIES.
2. OVERHEAD LANE SIGNS SHALL BE CENTERED OVER THEIR RESPECTIVE LANES.
3. SIGN NUMBERS SHOWN REFER TO THE NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND 17 NYCRR CHAPTER V (NEW YORK SUPPLEMENT).
4. ALL OVERHEAD SIGNAL RELATED SIGNS IN THIS CONTRACT SHALL BE A MINIMUM OF 16.5 FEET ABOVE THE HIGH POINT OF THE ROADWAY, WITH THE BOTTOM OF THE SIGN EVEN WITH THE BOTTOM OF THE SIGNAL HEAD, OR BACK PLATE.
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ELECTRICAL SERVICE

1. ITEM NUMBER 680.950106 SHALL BE FURNISHED WITH THREE CONDUCTORS. TWO BLACK COLORED CONDUCTORS, AND ONE WHITE COLORED CONDUCTOR.
2. WHEN THE ELECTRICAL SERVICE IS INSTALLED ON THE SIGNAL POLE, THE METER CHANNEL ASSEMBLY SHALL BE ATTACHED TO THE POLE WITH STAINLESS STEEL BANDING ONLY.
3. THE METER CHANNEL SHALL BE INSTALLED SUCH THAT IT IS LOCATED AWAY FROM VEHICULAR TRAFFIC FLOW, AND AT A HEIGHT THAT COMPLIES WITH THE LOCAL UTILITY COMPANY.
4. FOR NEW OR REVISED ELECTRICAL SERVICE ORDERS (ESO'S) IN THE NATIONAL GRID TERRITORY, THE CONTRACTOR SHALL CALL NATIONAL GRID AT (315) 460-1135 INSTEAD OF THE TOLL-FREE NUMBER.
5. POWER SERVICE TO SIGNALS INSTALLED SHALL BE IN COMPLIANCE WITH REQUIREMENTS OF THE NATIONAL ELECTRIC CODE.
6. UNDER ITEM 680.9499 - INSTALL ELECTRICAL DISCONNECT GENERATOR TRANSFER SWITCH CONTRACTOR SHALL ALSO FURNISH ALL MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THIS WORK.

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRAUSER
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse
New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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TRAFFIC SIGNAL NOTES

TSN-02

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TABLE OF INPUTS 33 THROUGH 64				
SIGNAL NO. 1 THURBER STREET AT EAST BRIGHTON AVENUE				
SDLC CHANNEL	FUNCTION	DETECTION ZONE NUMBER	SIZE	REMARKS
33	Φ6	33	6 X 6	SB THRU COUNT
34	Φ6	34	6 X 6	SB THRU COUNT
35	Φ6	35	6 X 6	SB LEFT TURN COUNT
36	Φ6	36	6 X 60	SB THRU PRESENSE
37	Φ6	37	6 X 60	SB LEFT TUEN PRESENSE
38	Φ8	38	6 X 6	WB RIGHT TURN COUNT
39	Φ8	39	6 X 6	WB LEFT TURN COUNT
40	Φ8	40	6 X 60	WB RIGHT TURN PRESENSE
41	Φ8	41	6 X 60	WB LEFT TURN PRESENCE
42	Φ2	42	6 X 6	NB RIGHT TURN COUNT
43	Φ2	43	6 X 6	NB THRU COUNT
44	Φ2	44	6 X 60	NB THRU/RIGHT PRESENSE
45				

ITEM 680.77000105 MODIFY TRAFFIC SIGNAL INSTALLATION INCLUDES:

1. DISCONNECTING EXISTING DETECTOR LOOP LEAD IN CABLES IN THE CONTROLLER CABINET AND MAKING CHANGES WITHIN THE CONTROLLER TO INCORPORATE VIDEO DETECTION.
2. FURNISH AND INSTALL A NEW McCAIN eX2 CONTROLLER, OR EQUAL, THAT IS COMPATIBLE WITH CITY OF SYRACUSE PREFERENCES.

R/O BRECKENRIDGE GROUP SYR NY LLC
331 E BRIGHTON AVE
TM#59-1-46.2

R/O GAT 7393 LLC
401 E BRIGHTON AVE
TM#61-2-46.1

R/O GAT 7393 LLC
401 E BRIGHTON
TM#61-2-46.1

THURBER ST

E. BRIGHTON AVE

"OUTER COMSTOCK" STREET

"MIRABITO"

TRANS PAD

NO TRUCK

ITEM 619.1613
ITEM 680.05010007
ITEM 680.77000105

R/O MOORE
370 E BRIGHTON AVE
TM#61-1-14

R/O LABARBERA
374 E BRIGHTON AVE
TM#61-1-15

R/O HORAN
408-10 E BRIGHTON AVE
TM#61-1-16.1

R/O MORCOS MARWAN
412 E BRIGHTON AVE
TM#61-1-18.1

R/O 416 E. BRIGHTON LLC
416 E BRIGHTON AVE
TM#61-1-19

TABLE OF TRAFIC SIGNAL QUANTITIES - THURBER			
ITEM	DESCRIPTION	UNIT	QUANTITY
619.1613	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT C)	INTM	9
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	1
680.77000105	MODIFY TRAFFIC SIGNAL INSTALLATION, LOCATION 1	ELOC	1

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1/9/2025

STATE OF NEW YORK · DOUGLAS OWEN STRAUSS · LICENSED PROFESSIONAL ENGINEER · NO. 073787

Syracuse NEW YORK

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

D040386

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TRAFFIC SIGNAL PLAN THURBER ST

TSP-01

175 of 241

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680.81990003
680.810101
680.810601
680.810103
680.810601
680.810105
680.810601
HEADS
1, 4, 5, 6

680.81990003
680.810101
680.810601
680.810103
680.810104
680.810601 (2)
680.810105
680.810106
680.810601 (2)
HEADS
2, 7

680.813105
680.813106
680.815001
680.813106
HEADS
PED
A1, A2
B1, B2

680.81990003
680.810102
680.810601
680.810104
680.810601
680.810104
680.810601
680.810106
680.810601
HEAD
3

INDICATIONS

CAMERA NOTES:

1. THE VIDEO DETECTION SYSTEM INSTALLED UNDER ITEM 680.5010007 SHALL BE CONNECTED TO THE CONTROLLER THROUGH THE SDLC CONNECTOR (INPUT 33 TO 64).
2. THE CONTRACTOR SHALL PROGRAM THE VIDEO DETECTION ZONES AS SHOWN ON THE PLANS.
3. THE MANUFACTURER OF THE VIDEO DETECTION SYSTEM OR THEIR REPRESENTATIVE SHALL DESIGN CAMERA SYSTEM LAYOUT/ PLACEMENT AND SUPERVISE THE INSTALLATION AND TESTING OF THE VIDEO DETECTION EQUIPMENT.

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 176

CHANGES INCLUDE:
1. **RELOCATION OF POLE P2, REMOVAL OF POLE P4 AND CHANGE POLE P5 TO POLE P4.**
2. **ADDING A PEDESTRIAN PUSH BUTTON POLE ON NE CORNER.**
3. **RELOCATION OF PULLBOXS ON THE WEST SIDE.**
4. **REMOVAL OF PREEMPT SYSTEM**

ITEM 206.03
ITEM 680.520708
ITEM 680.730514 (2X)
ITEM 680.730714 (2X)

ITEM 206.05
ITEM 680.5001
ITEM 680.621942
ITEM 680.700603
ITEM 680.730514 (2X)
ITEM 680.730714 (2X)
ITEM 680.813105 (2X)
ITEM 680.813106 (4X)
ITEM 680.8141 (2X)
ITEM 680.815001 (2X)

ITEM 206.03
ITEM 680.520706

ITEM 680.5001
ITEM 680.8151
ITEM 680.8152

ITEM 680.510301

ITEM 680.53
ITEM 680.520708
ITEM 680.730514

ITEM 680.510301

ITEM 206.03
ITEM 680.520706
ITEM 680.730514

ITEM 680.5001
ITEM 680.680801
ITEM 680.730514
ITEM 680.813105
ITEM 680.813106 (2X)
ITEM 680.8142
ITEM 680.815001
ITEM 680.8151
ITEM 680.8223

ITEM 619.1613
ITEM 680.79000105

ITEM 680.53
ITEM 680.520708
ITEM 680.730514 (3X)
ITEM 680.730714

ITEM 206.03
ITEM 680.520708
ITEM 680.730514 (4X)
ITEM 680.730714

ITEM 680.510401

ITEM 206.03
ITEM 680.520706
ITEM 680.730514

ITEM 206.03
ITEM 680.520708
ITEM 680.730514 (4X)
ITEM 680.730714

ITEM 206.05
ITEM 680.05010007
ITEM 680.05020007
ITEM 680.5001
ITEM 680.631938 P
ITEM 680.700603
ITEM 680.730714 (2X)
ITEM 680.80370501
ITEM 680.90920001
ITEM 680.9499
ITEM 680.950106

ITEM 680.5001
ITEM 680.680801
ITEM 680.730514
ITEM 680.813105
ITEM 680.813106 (2X)
ITEM 680.8142
ITEM 680.815001
ITEM 680.8151
ITEM 680.8223

POWER SERVICE
ITEM 662.60000108

ITEM 680.79000105 – REMOVE TRAFFIC SIGNAL INSTALLATION, LOCATION 1, INCLUDES:

1. REMOVAL AND DISPOSAL OF EXISTING SIGNAL POLES, PEDESTRIAN POLES, PEDESTRIAN BUTTON AND SIGNS, SIGNAL BRACKETS, WIRING, SIGNAL SECTIONS, AND NON-LED SIGNAL MODULES.
2. REMOVAL AND DELIVERY OF ALL LED MODULES, THE CONTROLLER, THE CONTROLLER CABINET, AND ALL ITS CONTENTS DIRECTLY TO SYRACUSE DPW. PLEASE CONTRACT MIKE MCNEILL AT (315) 391-3482 TO SCHEDULE DROP OFF TIME TO DPW. DPW SHALL VERIFY ALL SIGNAL EQUIPMENT WITH QUANTITIES THAT HAVE BEEN DELIVERED FOR THE SPECIFIC LOCATION.
3. REMOVAL AND DELIVERY OF EXISTING PRE-EMPTION OPTICAL DETECTORS TO THE CITY OF SYRACUSE FIRE DEPARTMENT. PLEASE CONTACT ZACH SMITH OF THE SYRACUSE FIRE DEPARTMENT AT (315) 473-3276 TO SCHEDULE DROP OFF TIME AND LOCATION.
4. REMOVAL OF ALL EXISTING PULLBOXES NOT BEING USED AGAIN. PULLBOXES SHALL BE REMOVED AND BACKFILLED IN ACCORDANCE WITH THE EXCAVATION SECTION IN THE GENERAL SIGNAL NOTES.

10 0 10 20

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2/11/2026

STATE OF NEW YORK
DOUGLAS OWEN STANDISH
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NO. 073787

Syracuse

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

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PROJECT NO:	119.429.001
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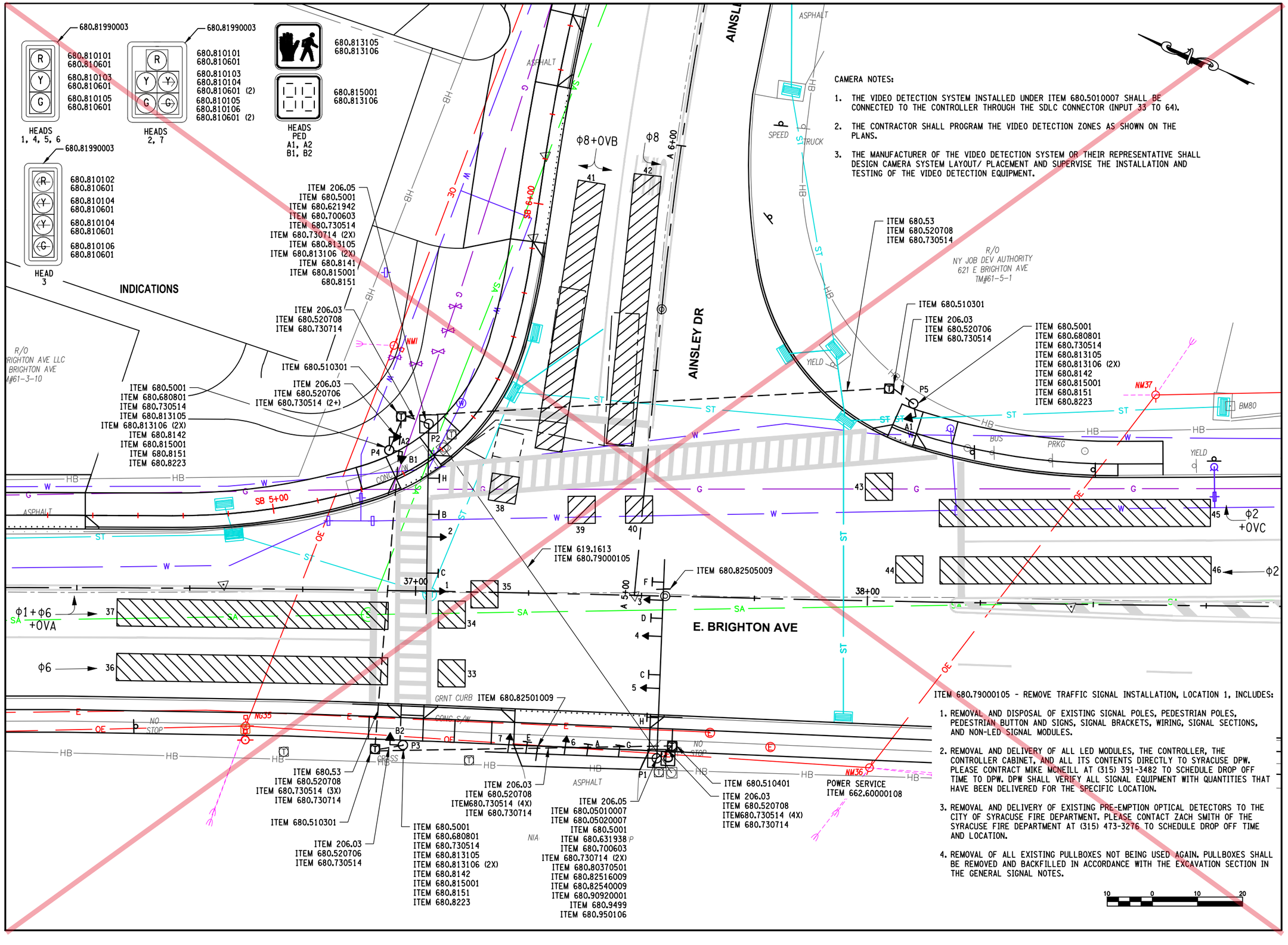
TRAFFIC SIGNAL PLAN AINSLEY DR

TSP-02

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1/9/2025

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D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

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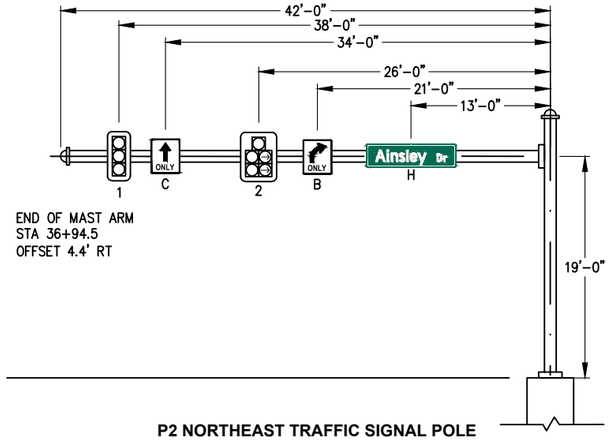
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TRAFFIC SIGNAL PLAN AINSLEY DR

TSP-02

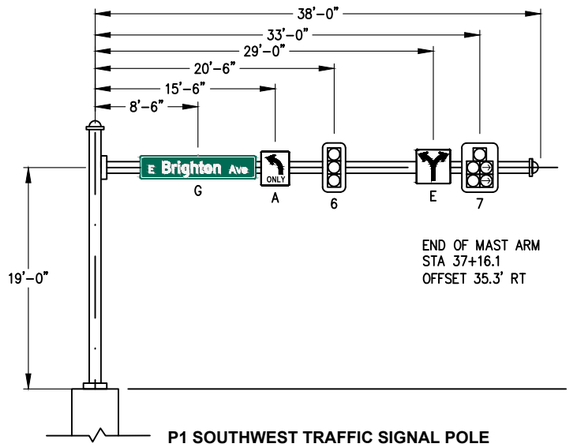
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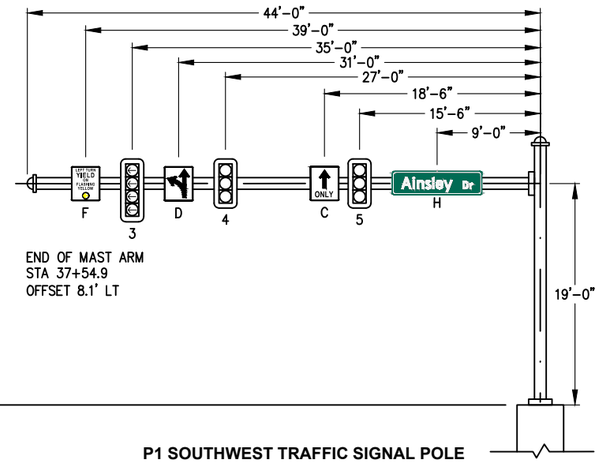
END OF MASS ARM
STA 36+94.5
OFFSET 4.4' RT

P2 NORTHEAST TRAFFIC SIGNAL POLE
NOT TO SCALE



END OF MASS ARM
STA 37+16.1
OFFSET 35.3' RT

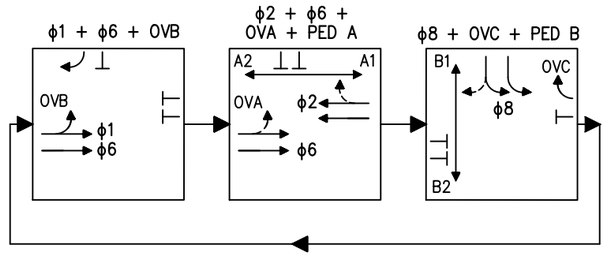
P1 SOUTHWEST TRAFFIC SIGNAL POLE
(FACING AINSLEY)
NOT TO SCALE



END OF MASS ARM
STA 37+54.9
OFFSET 8.1' LT

P1 SOUTHWEST TRAFFIC SIGNAL POLE
(FACING E. BRIGHTON SOUTHBOUND)
NOT TO SCALE

M LAYOUT ELEVATION VIEWS



PHASING DIAGRAM

TABLE OF SIGNS

SIGN	SIZE (W x L)	TEXT	MUTCD NO.	MOUNT
A	30"x36"	ONLY	R3-5L	TYPE E ITEM 680.8205
B	30"x36"	ONLY	R3-5R	TYPE E ITEM 680.8205
C	30"x36"	ONLY	R3-5A	TYPE E ITEM 680.8205
D	30"x36"		R3-6L	TYPE E ITEM 680.8205
E	36"x36"		NYR3-27	TYPE E ITEM 680.8205
F	30"x36"	LEFT TURN YIELD ON FLASHING YELLOW	R10-12MOD	TYPE E ITEM 680.8205
G	120"x24"	E Brighton Ave	D3-1	ITEM 645.61
H	90"x24"	Ainsley Dr	D3-1	ITEM 645.61
I	9"x15"	START CROSSING Watch For Vehicles / DON'T START Finish Crossing If Started / TIME REMAINING To Finish Crossing / DON'T CROSS / PUSH BUTTON TO CROSS	R10-3eR	N/A
J	9"x15"	START CROSSING Watch For Vehicles / DON'T START Finish Crossing If Started / TIME REMAINING To Finish Crossing / DON'T CROSS / PUSH BUTTON TO CROSS	R10-3eL	N/A

TABLE OF PEDESTRIAN POLES

POLE	POLE LOCATION		MOUNTING HEIGHT	HEADS	FOOTING CODE
	STATION	OFFSET			
P3	36+97.0	34.1' RT	8'	B2	J-1
P4	38+09.4	43.8' LT	8'	A1	J-1

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 177

CHANGES INCLUDE:
1. REMOVAL OF EXISTING PEDESTRIAN POLE P4 (NE CORNER) AND REVISED PEDESTRIAN POLE P3 LOCATION IN "TABLE OF PEDESTRIAN POLES".
2. CHANGE IN LOCATION OF SIGNAL HEADS AND SIGNS ON POLE P2.
3. CHANGE POLE P5 TO POLE P4.

TABLE OF OPERATIONS

PHASE \ FACE	1	2	3	4	5	6	7	A1-A2	B1-B2
ϕ1 + ϕ6 + OVB	R	R	◄G-	G	G	R	R-G►	DW	DW
ϕ2 + ϕ6 + OVA + PED A	G	G	◄FY-	G	G	R	R	DW*	DW
ϕ+ OVC + PED B	R	R-G►	◄R-	R	R	G	G	DW	DW*
FLASH	FR	FR	FR	FR	FR	FR	FR	DARK	DARK

* UPON ACTUATION OF PUSH BUTTON, THERE WILL BE A STEADY "MAN" SYMBOL, FOLLOWED BY A FLASHING "HAND" SYMBOL, WITH COUNTDOWN TIMER INITIATED, FOLLOWED BY A STEADY "HAND" SYMBOL.

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2/11/2026

STATE OF NEW YORK · DOUGLAS OWEN STANDISH · LICENSED PROFESSIONAL ENGINEER · NO. 073787

Syracuse NEW YORK

D040386

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CHECKED BY:	DOS

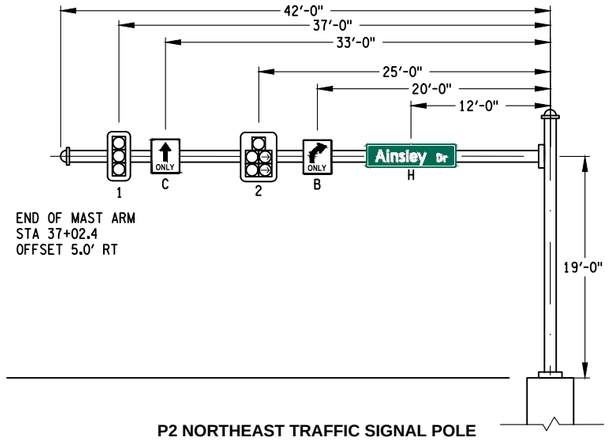
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TRAFFIC SIGNAL PLAN AINSLEY DR

TSP-03
SHEET 177R1 OF 241

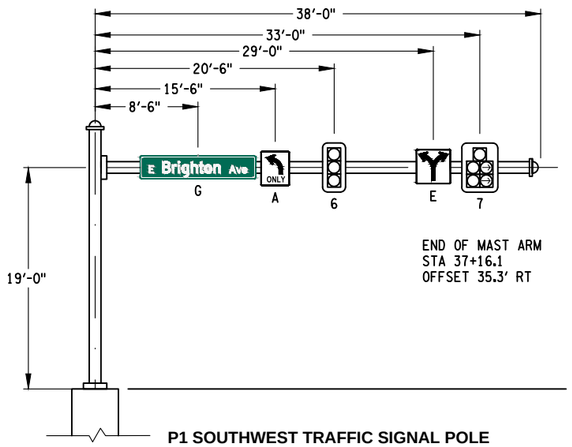
Feb 06, 2026 - 10:57am
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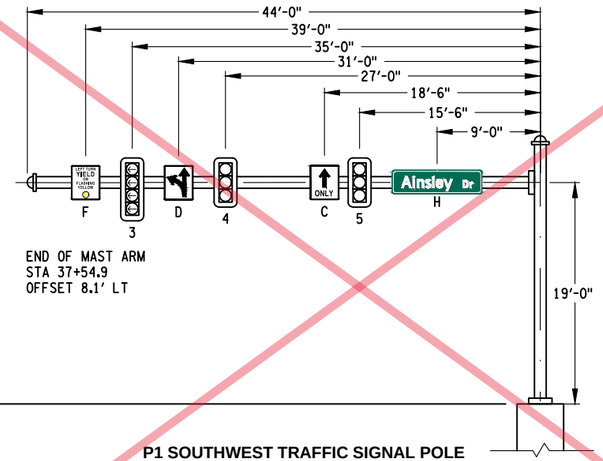
END OF MAST ARM
STA 37+02.4
OFFSET 5.0' RT

P2 NORTHEAST TRAFFIC SIGNAL POLE
NOT TO SCALE



END OF MAST ARM
STA 37+16.1
OFFSET 35.3' RT

P1 SOUTHWEST TRAFFIC SIGNAL POLE
(FACING AINSLEY)
NOT TO SCALE



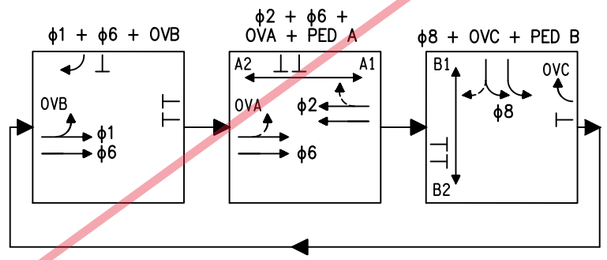
END OF MAST ARM
STA 37+54.9
OFFSET 8.1' LT

P1 SOUTHWEST TRAFFIC SIGNAL POLE
(FACING E. BRIGHTON SOUTHBOUND)
NOT TO SCALE

M LAYOUT ELEVATION VIEWS

TABLE OF SIGNS

SIGN	SIZE (W x L)	TEXT	MUTCD NO.	MOUNT
A	30"x36"	ONLY	R3-5L	TYPE E ITEM 680.8205
B	30"x36"	ONLY	R3-5R	TYPE E ITEM 680.8205
C	30"x36"	ONLY	R3-5A	TYPE E ITEM 680.8205
D	30"x36"		R3-6L	TYPE E ITEM 680.8205
E	36"x36"		NYR3-27	TYPE E ITEM 680.8205
F	30"x36"	LEFT TURN YIELD ON FLASHING YELLOW	R10-12MOD	TYPE E ITEM 680.8205
G	120"x24"	E Brighton Ave	D3-1	ITEM 645.61
H	90"x24"	Ainsley Dr	D3-1	ITEM 645.61
I	9"x15"	START CROSSING Watch For Vehicles; DON'T START Finish Crossing If Started; TIME REMAINING To Finish Crossing; DON'T CROSS; PUSH BUTTON TO CROSS	R10-3eR	N/A
J	9"x15"	START CROSSING Watch For Vehicles; DON'T START Finish Crossing If Started; TIME REMAINING To Finish Crossing; DON'T CROSS; PUSH BUTTON TO CROSS	R10-3eL	N/A



PHASING DIAGRAM

TABLE OF PEDESTRIAN POLES

POLE	POLE LOCATION		MOUNTING HEIGHT	HEADS	FOOTING CODE
	STATION	OFFSET			
P3	36+97.8	34.2' RT	8'	B2	J-1
P4	36+93.7	31.0' LT	8'	B1	J-1
P5	38+09.4	43.8' LT	8'	A1	J-1

TABLE OF OPERATIONS

PHASE \ FACE	1	2	3	4	5	6	7	A1-A2	B1-B2
Ø1 + Ø6 + OVB	R	R	◄G–	G	G	R	R–G►	DW	DW
Ø2 + Ø6 + OVA + PED A	G	G	◄FY–	G	G	R	R	DW•	DW
Ø8 + OVC + PED B	R	R–G►	◄R–	R	R	G	G	DW	DW•
FLASH	FR	FR	FR	FR	FR	FR	FR	DARK	DARK

• UPON ACTUATION OF PUSH BUTTON, THERE WILL BE A STEADY "MAN" SYMBOL, FOLLOWED BY A FLASHING "HAND" SYMBOL, WITH COUNTDOWN TIMER INITIATED, FOLLOWED BY A STEADY "HAND" SYMBOL.

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1/9/2025

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Syracuse

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

TRAFFIC SIGNAL PLAN AINSLEY DR

TSP-03

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TABLE OF INPUTS 33 THROUGH 64

SIGNAL NO. 2 AINSLEY DRIVE AT EAST BRIGHTON AVENUE

SDLC CHANNEL	FUNCTION	DETECTION ZONE NUMBER	SIZE	REMARKS
33	Φ6	33	6 X 6	SB THRU COUNT
34	Φ6	34	6 X 6	SB THRU COUNT
35	Φ6	35	6 X 6	SB LEFT TURN COUNT
36	Φ6	36	6 X 60	SB THRU PRESENSE
37	Φ6	37	6 X 60	SB THRU/LEFT PRESENSE
38	Φ8	38	6 X 6	WB RIGHT TURN COUNT
39	Φ8	39	6 X 6	WB LEFT TURN COUNT
40	Φ8	40	6 X 6	WB LEFT TURN COUNT
41	Φ8	41	6 X 60	WB RIGHT/LEFT PRESENSE
42	Φ8	42	6 X 60	WB LEFT TURN PRESENCE
43	Φ2	43	6 X 6	NB RIGHT TURN COUNT
44	Φ2	44	6 X 6	NB THRU COUNT
45	Φ2	45	6 X 60	NB RIGHT PRESENSE
46	Φ2	46	6 X 60	NB THRU PRESENSE
47				
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64				

TABLE OF INPUT WIRING

SIGNAL NO. 2 — ONONDAGA COUNTY

FUNCTION	DETECTOR NUMBER	TYPE	TERMINAL BOARD WIRING
PED A (Φ2)	A1, A2	PUSH BUTTON	1A, 1B
PED B (Φ8)	B1, B2	PUSH BUTTON	2A, 2B
			3A, 3B
			4A, 4B
			5A, 5B
			6A, 6B
			7A, 7B
			8A, 8B
			9A, 9B
			10A, 10B
			11A, 11B
			12A, 12B

KEY FOR WIRE COLOR CODE	
R/BK = WIRE COLOR/TRACER COLOR	
O = ORANGE	BK = BLACK
R = RED	W = WHITE
G = GREEN	BL = BLUE

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 178

CHANGES INCLUDE:

1. **CHANGE IN LOCATION OF SIGNAL POLE P2**
2. **REMOVAL OF PREEMPT WIRING INPUT FROM THE "TABLE OF INPUT WIRING".**

MAST ARM LOADING TABLE

SIGNAL NO. 2 - AINSLEY DRIVE AT EAST BRIGHTON AVENUE — **ONONDAGA COUNTY**

MAST ARM POLE	ITEM NO.	POLE LOCATION	SIGNAL HEADS	OH SIGNS	HEIGHT (FT)	ARM LENGTH (FT)	*ATTACHMENTS	FOOTING MOMENT (K-FT)	FOOTING TYPE
SW P1	680.631944	STA 37+02.3 37.0' RT	3, 4, 5	C, D, F, H	19	44	*** 3 5-SECTION SIGNAL HEAD * 4 OVERHEAD SIGN 7.5 SF * 1 OVERHEAD SIGN 12 SF 1 OVERHEAD STREET SIGN 15 SF	156.4	M10
			6, 7	A, E, G	19	38	*** 2 5-SECTION SIGNAL HEAD * 2 OVERHEAD SIGN 7.5 SF 1 OVERHEAD SIGN 9 SF * 1 OVERHEAD SIGN 12 SF 1 OVERHEAD STREET SIGN 20 SF		
NE P2	680.621942	STA 36+94.4 37.6' LT	1, 2	B, C, F, H	19	42	*** 2 5-SECTION SIGNAL HEAD * 3 OVERHEADSIGN 7.5 SF * 1 OVERHEAD SIGN 12 SF 1 OVERHEAD STREET SIGN 15 SF	58.0	M3

* ONE ADDITIONAL 7.5 SF AND 12 SF SIGNS ARE INCLUDED BASED ON ANTICIPATED FUTURE LOADING FOR DESIGN PURPOSES ONLY. THE LARGER FUTURE SIGN SHALL BE LOCATED ON THE END OF THE MAST ARM. THE SMALLER FUTURE SIGN SHALL BE LOCATED ON THE MID-SPAN OF THE MAST ARM.

** IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, IN CONJUNCTION WITH THE POLE MANUFACTURER, TO DETERMINE THE ULTIMATE MAST ARM POLE STRENGTH AND FOOTING MOMENT FOR THE POLE'S DESIGN LOADING. THE FOOTING MOMENT FOR THE POLE'S ULTIMATE DESIGN LOADING SHALL BE CALCULATED TO SELECT THE PROPER FOOTING CODE FROM THE STANDARD SHEET 680-01. CALCULATED MOMENT AND FOOTING TYPE SHALL BE RECORDED IN THE SPACE ABOVE FOR THE CONTRACT RECORDS.

*** FOR POLE DESIGN CALCUATION PURPOSES, ALL SIGNAL HEADS SHALL BE DESIGNED AS 5-SECTION HEADS WITH BACKPLATES.

TABLE OF SWITCH PACKS

SIGNAL NO.: 2

INTERSECTION: AINSLEY DRIVE AT EAST BRIGHTON AVENUE — COUNTY: ONONDAGA

SWITCH PACK	FUNCTION	FACE NUMBERS	FLASH PLUG	INDICATIONS	TERMIMNAL WIRING BOARD TERMINAL	WIRE COLORING CODE	
SP 1	OVA (Ø1)	3	W		SP 1R		
					SP 1Y		
				←G	SP 1G	14/7C-1-BL	
				GROUND WIRE	GROUND BUS	14/7C-1-W/B	
SP 2	Ø2	1, 2	R	R	SP 2R	14/7C-2-R	
				Y	SP 2Y	14/7C-2-O	
				G	SP 2G	14/7C-2-G	
				GROUND WIRE	GROUND BUS	14/7C-2-W	
SP 3					SP 3R		
					SP 3Y		
					SP 3G		
				GROUND WIRE	GROUND BUS		
SP 4					SP 6R		
					SP 6Y		
					SP 6G		
				GROUND WIRE	GROUND BUS		
SP 5					SP 5R		
					SP 5Y		
					SP 5G		
				GROUND WIRE	GROUND BUS		
SP 6	Ø6	4, 5	R	R	SP 6R	14/7C-3-R	
				Y	SP 6Y	14/7C-3-O	
				G	SP 6G	14/7C-3-G	
				GROUND WIRE	GROUND BUS	14/7C-3-W	
SP 7					SP 7R		
					SP 7Y		
					SP 7G		
				GROUND WIRE	GROUND BUS		
SP 8	Ø8	6, 7	R	R	SP 8R	14/7C-4-R	
				Y	SP 8Y	14/7C-4-O	
				G	SP 8G	14/7C-4-G	
				GROUND WIRE	GROUND BUS	14/7C-4-W	
SP 9	Ø1	3	W	←R	SP 9R	14/7C-1-R	
				←Y	SP 9Y	14/7C-1-O	
				←FY	SP 9G	14/7C-1-G	
				GROUND WIRE	GROUND BUS	14/7C-1-W	
SP 10					SP 10R		
					SP 10Y		
					SP 10G		
				GROUND WIRE	GROUND BUS		
SP 11	OVB	2	W		SP 11R		
				Y→	SP 11Y	14/7C-2-BL	
				G→	SP 11G	14/7C-2-B	
				GROUND WIRE	GROUND BUS	14/7C-2-W/B	
SP 12	OVC	7	W		SP 12R		
				Y→	SP 12Y	14/7C-4-BL	
				G→	SP 12G	14/7C-4-B	
				GROUND WIRE	GROUND BUS	14/7C-4-W/B	
SP 13	PED A (Ø2)	A1	A2 W	HAND	SP 13R	14/5C-1-R	14/5C-2-R
					SP 13Y		
				MAN	SP 13G	14/5C-1-G	14/5C-2-G
				GROUND WIRE	GROUND BUS	14/5C-1-W	14/5C-2-W
SP 14	PED B (Ø8)	B1	B2 W	HAND	SP 14R	14/5C-3-R	14/5C-4-R
					SP 14Y		
				MAN	SP 14G	14/5C-3-G	14/5C-4-G
				GROUND WIRE	GROUND BUS	14/5C-3-W	14/5C-4-W
SP 15					SP 15R		
					SP 15Y		
					SP 15G		
				GROUND WIRE	GROUND BUS		
SP 16					SP 16R		
					SP 16Y		
					SP 16G		
				GROUND WIRE	GROUND BUS		

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2/11/2026

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Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

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TRAFFIC SIGNAL PLAN AINSLEY DR

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TABLE OF INPUTS 33 THROUGH 64

SIGNAL NO. 2 AINSLEY DRIVE AT EAST BRIGHTON AVENUE

SDLC CHANNEL	FUNCTION	DETECTION ZONE NUMBER	SIZE	REMARKS
33	Φ6	33	6 X 6	SB THRU COUNT
34	Φ6	34	6 X 6	SB THRU COUNT
35	Φ6	35	6 X 6	SB LEFT TURN COUNT
36	Φ6	36	6 X 60	SB THRU PRESENSE
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38	Φ8	38	6 X 6	WB RIGHT TURN COUNT
39	Φ8	39	6 X 6	WB LEFT TURN COUNT
40	Φ8	40	6 X 6	WB LEFT TURN COUNT
41	Φ8	41	6 X 60	WB RIGHT/LEFT PRESENSE
42	Φ8	42	6 X 60	WB LEFT TURN PRESENCE
43	Φ2	43	6 X 6	NB RIGHT TURN COUNT
44	Φ2	44	6 X 6	NB THRU COUNT
45	Φ2	45	6 X 60	NB RIGHT PRESENSE
46	Φ2	46	6 X 60	NB THRU PRESENSE
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TABLE OF INPUT WIRING

SIGNAL NO. 2 — ONONDAGA COUNTY

FUNCTION	DETECTOR NUMBER	TYPE	TERMINAL BOARD WIRING
PED A (Φ2)	A1, A2	PUSH BUTTON	1A, 1B
PED B (Φ8)	B1, B2	PUSH BUTTON	2A, 2B
			3A, 3B
			4A, 4B
			5A, 5B
			6A, 6B
			7A, 7B
			8A, 8B
			9A, 9B
OMIT A (Φ8)	OPTICOM	PRE-EMPTION	10A, 10B
OMIT B (Φ2)	OPTICOM	PRE-EMPTION	11A, 11B
OMIT C (Φ6)	OPTICOM	PRE-EMPTION	12A, 12B

KEY FOR WIRE COLOR CODE	
R/BK = WIRE COLOR/TRACER COLOR	
O = ORANGE	BK = BLACK
R = RED	W = WHITE
G = GREEN	BL = BLUE

TABLE OF SWITCH PACKS

SIGNAL NO.: 2

INTERSECTION: AINSLEY DRIVE AT EAST BRIGHTON AVENUE — COUNTY: ONONDAGA

SWITCH PACK	FUNCTION	FACE NUMBERS		FLASH PLUG	INDICATIONS	TERMIMNAL WIRING BOARD TERMINAL	WIRE COLORING CODE	
SP 1	OVA (Ø1)	3		W		SP 1R		
						SP 1Y		
					←G	SP 1G	14/7C-1-BL	
					GROUND WIRE	GROUND BUS	14/7C-1-W/B	
SP 2	Ø2	1, 2		R	R	SP 2R	14/7C-2-R	
					Y	SP 2Y	14/7C-2-O	
					G	SP 2G	14/7C-2-G	
					GROUND WIRE	GROUND BUS	14/7C-2-W	
SP 3						SP 3R		
						SP 3Y		
						SP 3G		
					GROUND WIRE	GROUND BUS		
SP 4						SP 6R		
						SP 6Y		
						SP 6G		
					GROUND WIRE	GROUND BUS		
SP 5						SP 5R		
						SP 5Y		
						SP 5G		
					GROUND WIRE	GROUND BUS		
SP 6	Ø6	4, 5		R	R	SP 6R	14/7C-3-R	
					Y	SP 6Y	14/7C-3-O	
					G	SP 6G	14/7C-3-G	
					GROUND WIRE	GROUND BUS	14/7C-3-W	
SP 7						SP 7R		
						SP 7Y		
						SP 7G		
					GROUND WIRE	GROUND BUS		
SP 8	Ø8	6, 7		R	R	SP 8R	14/7C-4-R	
					Y	SP 8Y	14/7C-4-O	
					G	SP 8G	14/7C-4-G	
					GROUND WIRE	GROUND BUS	14/7C-4-W	
SP 9	Ø1	3		W	←R	SP 9R	14/7C-1-R	
					←Y	SP 9Y	14/7C-1-O	
					←FY	SP 9G	14/7C-1-G	
					GROUND WIRE	GROUND BUS	14/7C-1-W	
SP 10						SP 10R		
						SP 10Y		
						SP 10G		
					GROUND WIRE	GROUND BUS		
SP 11	OVB	2		W		SP 11R		
					Y→	SP 11Y	14/7C-2-BL	
					G→	SP 11G	14/7C-2-B	
					GROUND WIRE	GROUND BUS	14/7C-2-W/B	
SP 12	OVC	7		W		SP 12R		
					Y→	SP 12Y	14/7C-4-BL	
					G→	SP 12G	14/7C-4-B	
					GROUND WIRE	GROUND BUS	14/7C-4-W/B	
SP 13	PED A (Ø2)	A1	A2	W	HAND	SP 13R	14/5C-1-R	14/5C-2-R
						SP 13Y		
					MAN	SP 13G	14/5C-1-G	14/5C-2-G
					GROUND WIRE	GROUND BUS	14/5C-1-W	14/5C-2-W
SP 14	PED B (Ø8)	B1	B2	W	HAND	SP 14R	14/5C-3-R	14/5C-4-R
						SP 14Y		
					MAN	SP 14G	14/5C-3-G	14/5C-4-G
					GROUND WIRE	GROUND BUS	14/5C-3-W	14/5C-4-W
SP 15						SP 15R		
						SP 15Y		
						SP 15G		
					GROUND WIRE	GROUND BUS		
SP 16						SP 16R		
						SP 16Y		
						SP 16G		
					GROUND WIRE	GROUND BUS		

MAST ARM LOADING TABLE

SIGNAL NO. 2 - AINSLEY DRIVE AT EAST BRIGHTON AVENUE — ONONDAGA COUNTY

MAST ARM POLE	ITEM NO.	POLE LOCATION	SIGNAL HEADS	OH SIGNS	HEIGHT (FT)	ARM LENGTH (FT)	*ATTACHMENTS			FOOTING MOMENT (K-FT)	FOOTING TYPE
SW P1	680.631944	STA 37+02.3 37.0' LT	3, 4, 5	C, D, F, H	19	44	*** 3 5-SECTION SIGNAL HEAD			156.4	M10
							* 4 OVERHEAD SIGN	7.5	SF		
							* 1 OVERHEAD SIGN	12	SF		
							1 OVERHEAD STREET SIGN	15	SF		
			6, 7	A, E, G	19	38	*** 2 5-SECTION SIGNAL HEAD				
							* 2 OVERHEAD SIGN	7.5	SF		
							1 OVERHEAD SIGN	9	SF		
							* 1 OVERHEAD SIGN	12	SF		
							1 OVERHEAD STREET SIGN	20	SF		
NE P2	680.621942	STA 37+54.3 35.9' RT	1, 2	B, C, F, H	19	42	*** 2 5-SECTION SIGNAL HEAD			58.0	M3
							* 3 OVERHEADSIGN	7.5	SF		
							* 1 OVERHEAD SIGN	12	SF		
							1 OVERHEAD STREET SIGN	15	SF		

* ONE ADDITIONAL 7.5 SF AND 12 SF SIGNS ARE INCLUDED BASED ON ANTICIPATED FUTURE LOADING FOR DESIGN PURPOSES ONLY. THE LARGER FUTURE SIGN SHALL BE LOCATED ON THE END OF THE MAST ARM. THE SMALLER FUTURE SIGN SHALL BE LOCATED ON THE MID-SPAN OF THE MAST ARM.

** IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, IN CONJUNCTION WITH THE POLE MANUFACTURER, TO DETERMINE THE ULTIMATE MAST ARM POLE STRENGTH AND FOOTING MOMENT FOR THE POLE'S DESIGN LOADING. THE FOOTING MOMENT FOR THE POLE'S ULTIMATE DESIGN LOADING SHALL BE CALCULATED TO SELECT THE PROPER FOOTING CODE FROM THE STANDARD SHEET 680-01. CALCULATED MOMENT AND FOOTING TYPE SHALL BE RECORDED IN THE SPACE ABOVE FOR THE CONTRACT RECORDS.

*** FOR POLE DESIGN CALCUATION PURPOSES, ALL SIGNAL HEADS SHALL BE DESIGNED AS 5-SECTION HEADS WITH BACKPLATES.

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Syracuse New York

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TRAFFIC SIGNAL PLAN AINSLEY DR

TSP-04

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TABLE OF TRAFIC SIGNAL QUANTITIES - AINSLEY

ITEM	DESCRIPTION	UNIT	QUANTITY
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF	100
206.05	TEST PIT EXCAVATION	EA	2
619.1613	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT C)	INTM	9
645.61	OVERHEAD SIGN PANELS	SF	50
662.60000108	FURNISHING ELECTRICAL SERVICE	DC	1000
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	1
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	11
680.510301	PULLBOX-CIRCULAR, 24 INCH DIAMETER, REINFORCED CONCRETE	EA	3
680.510401	PULLBOX-CIRCULAR, 30 INCH DIAMETER, REINFORCED CONCRETE	EA	1
680.520706	TRAFFIC SIGNAL CONDUIT,RIGID PLASTIC, CLASS 1 OR 2, 2"	LF	20
680.520708	TRAFFIC SIGNAL CONDUIT,RIGID PLASTIC, CLASS 1 OR 2, 3"	LF	260
680.53	CONDUIT JACKING OR BORING	LF	180
680.621942	TRAFFIC SIGNAL POLE, MAST ARM, 19 FEET MOUNTING HEIGHT, 42 FEET ARM LENGTH	EA	1
680.631944	TRAFFIC SIGNAL POLE, DUAL MAST ARM, 19 FEET MOUNTING HEIGHT, 44 FEET ARM LENGTH	EA	1
680.681001	PEDESTRIAN SIGNAL POLE-BRACKET MOUNT 10 FEET OVERALL POLE HEIGHT STEEL	EA	2
680.700604	RISER ASSEMBLY, 1 1/2" DIAMETER	EA	1
680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG	LF	800
680.730714	SIGNAL CABLE 7 CONDUCTORS, 14 AWG	LF	390
680.79000105	REMOVE TRAFFIC SIGNAL INSTALLATION LOCATION 1	ELOC	1
680.80370501	CONTROLLER AND CABINET 4 THROUGH 8 PHASE FULL TRAFFIC ACTUATED (NEMA)	EA	1
680.810101	TRAFFIC SIGNAL MODULE - 12 INCH, RED BALL, LED	EA	6
680.810102	TRAFFIC SIGNAL MODULE - 12 INCH, RED ARROW, LED	EA	1
680.810103	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW BALL, LED	EA	6
680.810104	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW ARROW, LED	EA	4
680.810105	TRAFFIC SIGNAL MODULE - 12 INCH, GREEN BALL, LED	EA	6
680.810106	TRAFFIC SIGNAL MODULE - 12 INCH, GREEN ARROW, LED	EA	3
680.810601	TRAFFIC SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EA	26
680.81230008	TRAFFIC SIGNAL BRACKET ASSEMBLY-1 WAY MAST ARM MOUNT (CABLE TYPE)	EA	7
680.813105	PEDESTRIAN SIGNAL MODULE - 12 INCH, BI-MODAL HAND/MAN SYMBOLS, LED	EA	4
680.813106	PEDESTRIAN SIGNAL POLYCARBONATE TYPE 1, 12 INCH	EA	8
680.8151	AUDIBLE PEDESTRIAN SIGNAL	EA	4
680.5152	AUDIBLE PEDESTRIAN SIGNAL W/POST	EA	1
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY	EA	4
680.815001	PEDESTRIAN COUNTDOWN TIMER MODULE	EA	4
680.81990003	TRAFFIC SIGNAL BACKPLATES WITH YELLOW REFLECTIVE TAPE	EA	7
680.8205	OVERHEAD SIGN ASSEMBLY, TYPE E	EA	7
680.8223	BREAKAWAY TRANSFORMER BASE	EA	3
680.90920001	ELECTRIC METER SOCKET, 100 AMPERES, SNG PHASE, 120 VOLTSFOR TRAF SIGNAL LIGHT CIRCUITS (NIAGARA MOHAWK POWER CO)	EA	1
680.9499	INSTALL ELECTRICAL DISCONNECT GENERATOR TRANSFER SWITCH	EA	1
680.950106	ELECTRICAL SERVICE CABLE 1 WIRE 6 GAUGE	LF	90

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 179

CHANGES INCLUDE:

1. **UPDATED QUANTITIES FOR ITEMS 680.681001 AND ADDED ITEM 680.8152.**
2. **REMOVAL OF ITEM 680.82501009, 680.82505009, 680.82516009, AND 680.82540009.**

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2/11/2026

STATE OF NEW YORK
DOUGLAS OWEN STANDISH
LICENSED PROFESSIONAL ENGINEER
NO. 073787

Syracuse
New York

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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TRAFFIC SIGNAL PLAN AINSLEY DR

TSP-05
SHEET 179R1 OF 241

Feb 06, 2026 - 10:58am
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TABLE OF TRAFIC SIGNAL QUANTITIES - AINSLEY

ITEM	DESCRIPTION	UNIT	QUANTITY
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF	100
206.05	TEST PIT EXCAVATION	EA	2
619.1613	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT C)	INTM	9
645.61	OVERHEAD SIGN PANELS	SF	50
662.60000108	FURNISHING ELECTRICAL SERVICE	DC	1000
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	1
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	11
680.510301	PULLBOX-CIRCULAR, 24 INCH DIAMETER, REINFORCED CONCRETE	EA	3
680.510401	PULLBOX-CIRCULAR, 30 INCH DIAMETER, REINFORCED CONCRETE	EA	1
680.520706	TRAFFIC SIGNAL CONDUIT,RIGID PLASTIC, CLASS 1 OR 2, 2"	LF	20
680.520708	TRAFFIC SIGNAL CONDUIT,RIGID PLASTIC, CLASS 1 OR 2, 3"	LF	260
680.53	CONDUIT JACKING OR BORING	LF	180
680.621942	TRAFFIC SIGNAL POLE, MAST ARM, 19 FEET MOUNTING HEIGHT, 42 FEET ARM LENGTH	EA	1
680.631944	TRAFFIC SIGNAL POLE, DUAL MAST ARM, 19 FEET MOUNTING HEIGHT, 44 FEET ARM LENGTH	EA	1
680.681001	PEDESTRIAN SIGNAL POLE-BRACKET MOUNT 10 FEET OVERALL POLE HEIGHT STEEL	EA	3
680.700604	RISER ASSEMBLY, 1 1/2" DIAMETER	EA	1
680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG	LF	800
680.730714	SIGNAL CABLE 7 CONDUCTORS, 14 AWG	LF	390
680.79000105	REMOVE TRAFFIC SIGNAL INSTALLATION LOCATION 1	ELOC	1
680.80370501	CONTROLLER AND CABINET 4 THROUGH 8 PHASE FULL TRAFFIC ACTUATED (NEMA)	EA	1
680.810101	TRAFFIC SIGNAL MODULE - 12 INCH, RED BALL, LED	EA	6
680.810102	TRAFFIC SIGNAL MODULE - 12 INCH, RED ARROW, LED	EA	1
680.810103	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW BALL, LED	EA	6
680.810104	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW ARROW, LED	EA	4
680.810105	TRAFFIC SIGNAL MODULE - 12 INCH, GREEN BALL, LED	EA	6
680.810106	TRAFFIC SIGNAL MODULE - 12 INCH, GREEN ARROW, LED	EA	3
680.810601	TRAFFIC SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EA	26
680.81230008	TRAFFIC SIGNAL BRACKET ASSEMBLY-1 WAY MAST ARM MOUNT (CABLE TYPE)	EA	7
680.813105	PEDESTRIAN SIGNAL MODULE - 12 INCH, BI-MODAL HAND/MAN SYMBOLS, LED	EA	4
680.813106	PEDESTRIAN SIGNAL POLYCARBONATE TYPE 1, 12 INCH	EA	8
680.8151	AUDIBLE PEDESTRIAN SIGNAL	EA	4
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY	EA	4
680.815001	PEDESTRIAN COUNTDOWN TIMER MODULE	EA	4
680.81990003	TRAFFIC SIGNAL BACKPLATES WITH YELLOW REFLECTIVE TAPE	EA	7
680.8205	OVERHEAD SIGN ASSEMBLY, TYPE E	EA	7
680.8223	BREAKAWAY TRANSFORMER BASE	EA	3
680.82501009	PREEMPT SYSTEM OPTICAL DETECTOR - SINGLE CHANNEL,ONE DIRECTION (MAST ARM)	EA	1
680.82505009	PREEMPT SYSTEM OPTICAL DETECTOR - DUAL CHANNEL, TWO DIRECTION (MAST ARM)	EA	1
680.82516009	PREEMPT SYSTEM - TYPE 3 PHASE SELECTOR - 4 CHANNELS	EA	1
680.82540009	PREEMPT SYSTEM - DETECTOR CABLE - SHIELDED,3 CONDUCTOR WITHSTRANDED GROUND, AWG #20	LF	120
680.90920001	ELECTRIC METER SOCKET, 100 AMPERES, SNG PHASE, 120 VOLTSFOR TRAF SIGNAL LIGHT CIRCUITS (NIAGARA MOHAWK POWER CO)	EA	1
680.9499	INSTALL ELECTRICAL DISCONNECT GENERATOR TRANSFER SWITCH	EA	1
680.950106	ELECTRICAL SERVICE CABLE 1 WIRE 6 GAUGE	LF	90

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1/9/2025

STATE OF NEW YORK
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LICENSED PROFESSIONAL ENGINEER
NO. 073267

Syracuse
New York

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
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DESIGNED BY:	DJB
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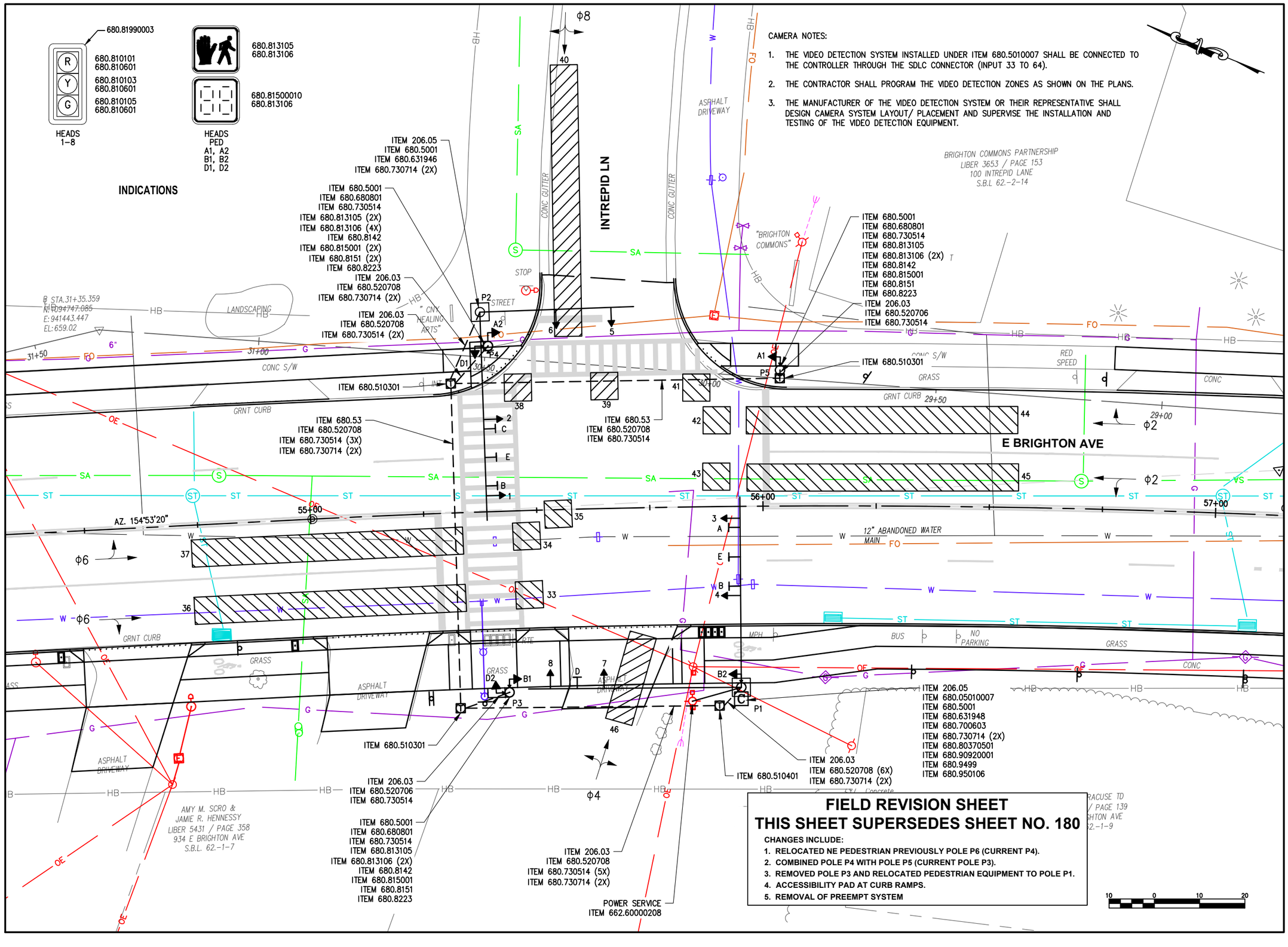
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TRAFFIC SIGNAL PLAN AINSLEY DR

TSP-05

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2/11/2026

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Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
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TRAFFIC SIGNAL PLAN INTREPID LN

TSP-06

SHEET 180R1 OF 241

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680.81990003

680.810101
680.810601
680.810103
680.810601
680.810105
680.810601

HEADS
1-8

680.813105
680.813106

680.81500010
680.813106

HEADS
PED
A1, A2
B1, B2
D1, D2

INDICATIONS

CAMERA NOTES:

1. THE VIDEO DETECTION SYSTEM INSTALLED UNDER ITEM 680.5010007 SHALL BE CONNECTED TO THE CONTROLLER THROUGH THE SDLC CONNECTOR (INPUT 33 TO 64).
2. THE CONTRACTOR SHALL PROGRAM THE VIDEO DETECTION ZONES AS SHOWN ON THE PLANS.
3. THE MANUFACTURER OF THE VIDEO DETECTION SYSTEM OR THEIR REPRESENTATIVE SHALL DESIGN CAMERA SYSTEM LAYOUT/ PLACEMENT AND SUPERVISE THE INSTALLATION AND TESTING OF THE VIDEO DETECTION EQUIPMENT.

ITEM 206.05
ITEM 680.5001
ITEM 680.631946
ITEM 680.730714 (2X)

ITEM 206.03
ITEM 680.520708
ITEM 680.730714 (2X)

ITEM 680.5001
ITEM 680.680801
ITEM 680.730514
ITEM 680.813105 (2X)
ITEM 680.813106 (4X)
ITEM 680.8142
ITEM 680.815001 (2X)
ITEM 680.8151 (2X)
ITEM 680.8223

ITEM 206.03
ITEM 680.520708
ITEM 680.730514 (2X)

ITEM 680.510301

ITEM 680.53
ITEM 680.520708
ITEM 680.730514 (3X)
ITEM 680.730714 (2X)

ITEM 680.53
ITEM 680.520708
ITEM 680.730514

ITEM 680.5001
ITEM 680.680801
ITEM 680.730514
ITEM 680.813105
ITEM 680.813106 (2X)
ITEM 680.8142
ITEM 680.815001
ITEM 680.8151
ITEM 680.8223

ITEM 206.03
ITEM 680.520706
ITEM 680.730514

ITEM 680.510301

ITEM 680.5001
ITEM 680.680801
ITEM 680.730514
ITEM 680.813105
ITEM 680.813106 (2X)
ITEM 680.8142
ITEM 680.815001
ITEM 680.8151
ITEM 680.8223

ITEM 206.03
ITEM 680.520706
ITEM 680.730514

ITEM 680.5001
ITEM 680.680801
ITEM 680.730514
ITEM 680.813105
ITEM 680.813106 (2X)
ITEM 680.8142
ITEM 680.815001
ITEM 680.8151
ITEM 680.8223

ITEM 680.5001
ITEM 680.680801
ITEM 680.730514
ITEM 680.813105
ITEM 680.813106 (2X)
ITEM 680.8142
ITEM 680.815001
ITEM 680.8151
ITEM 680.8223
ITEM 206.03
ITEM 680.520706
ITEM 680.730514

ITEM 680.510401

ITEM 206.03
ITEM 680.520708 (5X)
ITEM 680.730514 (2X)

POWER SERVICE
ITEM 662.60000215

ITEM 206.03
ITEM 680.520708 (6X)
ITEM 680.730714 (2X)

ITEM 206.05
ITEM 680.05010007
ITEM 680.5001
ITEM 680.631948
ITEM 680.700603
ITEM 680.730714 (2X)
ITEM 680.80370501
ITEM 680.82516009
ITEM 680.82540009
ITEM 680.90920001
ITEM 680.9499
ITEM 680.950106

ITEM 680.5001
ITEM 680.680801
ITEM 680.730514
ITEM 680.813105
ITEM 680.813106 (2X)
ITEM 680.8142
ITEM 680.815001
ITEM 680.8151
ITEM 680.8223

ITEM 680.5001
ITEM 680.680801
ITEM 680.730514
ITEM 680.813105
ITEM 680.813106 (2X)
ITEM 680.8142
ITEM 680.815001
ITEM 680.8151
ITEM 680.8223

ITEM 680.510301

ITEM 680.52505009

INTREPID LN

E BRIGHTON AVE

BRIGHTON COMMONS PARTNERSHIP
LIBER 3653 / PAGE 153
100 INTREPID LANE
S.B.L. 62.-2-14

AMY M. SCRO &
JAMIE R. HENNESSY
LIBER 5431 / PAGE 358
934 E BRIGHTON AVE
S.B.L. 62.-1-7

CITY OF SYRACUSE TD
LIBER 3241 / PAGE 139
952 E BRIGHTON AVE
S.B.L. 62.-1-9

"BRIGHTON COMMONS"

"ONY HEALING ARTS"

Concrete Monument

12" ABANDONED WATER MAIN

B STA.31+35.359
N:1094747.085
E:941443.447
EL:659.02

AZ. 154°53'20"

CONC S/W
GRNT CURB
GRASS
ASPHALT DRIVEWAY
LANDSCAPING
STREET
CONC GUTTER
ASPHALT DRIVEWAY
RED SPEED
CONC
BUS
NO PARKING
MPH

10 0 10 20

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1/9/2025

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Syracuse
New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
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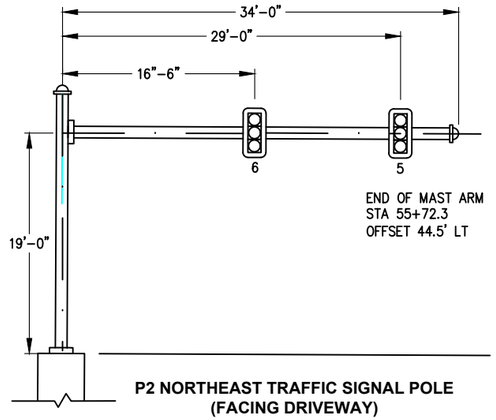
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TRAFFIC SIGNAL PLAN INTREPID LN

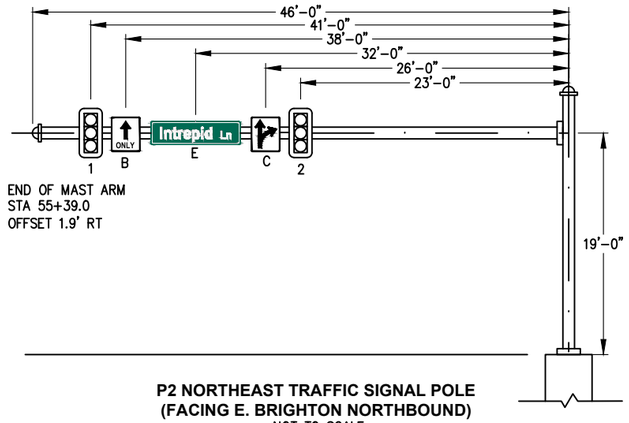
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Jan 09, 2025 - 1:12pm
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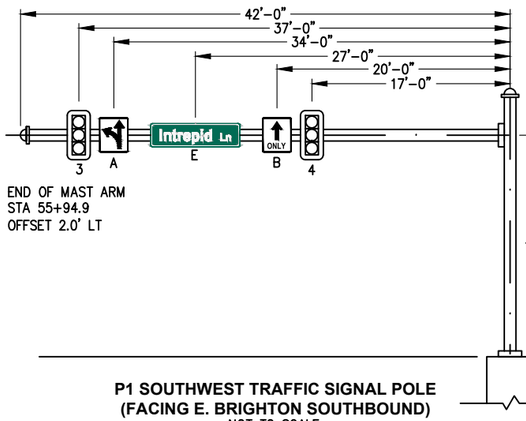
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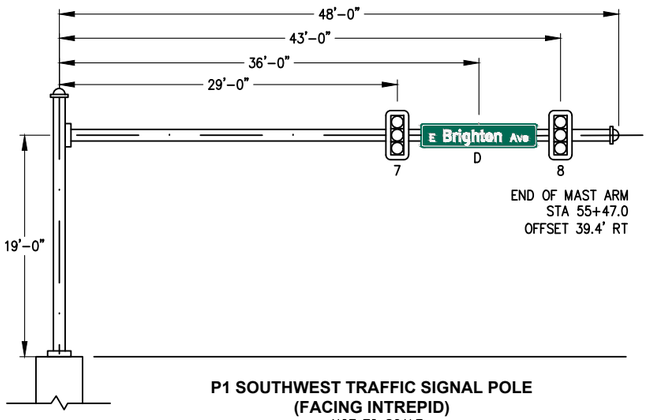
P2 NORTHEAST TRAFFIC SIGNAL POLE
(FACING DRIVEWAY)
NOT TO SCALE



P2 NORTHEAST TRAFFIC SIGNAL POLE
(FACING E. BRIGHTON NORTHBOUND)
NOT TO SCALE



P1 SOUTHWEST TRAFFIC SIGNAL POLE
(FACING E. BRIGHTON SOUTHBOUND)
NOT TO SCALE



P1 SOUTHWEST TRAFFIC SIGNAL POLE
(FACING INTREPID)
NOT TO SCALE

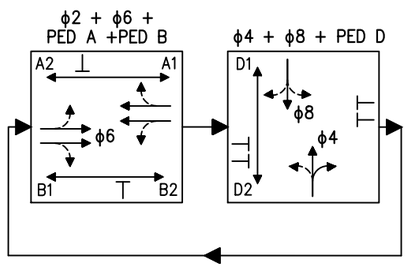
MAST ARM LAYOUT ELEVATION VIEWS

TABLE OF SIGNS

SIGN	SIZE (W x L)	TEXT	MUTCD NO.	MOUNT
A	30"X36"		R3-6L	TYPE E ITEM 680.8205
B	30"X36"		R3-5A	TYPE E ITEM 680.8205
C	30"X36"		R3-6R	TYPE E ITEM 680.8205
D	120"X24"	E Brighton Ave	D3-1	ITEM 645.61
E	90"x24"	Intrepid Ln	D3-1	ITEM 645.61
F	9"x15"		R10-3eR	N/A
G	9"x15"		R10-3eL	N/A

TABLE OF PEDESTRIAN POLES

POLE	POLE LOCATION		MOUNTING HEIGHT	HEADS	FOOTING CODE
	STATION	OFFSET			
P3	55+42.7	40.0' RT	8'	B1, D2	J-1
P4	55+40.5	36.6' LT	8'	A2, D1	J-1
P5	56+04.0	30.0' LT	8'	A1	J-1



PHASING DIAGRAM

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 181
CHANGES INCLUDE:
1. **UPDATED TABLE OF PEDESTRIAN POLES.**

TABLE OF OPERATIONS

PHASE \ FACE	1	2	3	4	5	6	7	8	A1-A2	B1-B2	D1-D2
d2 + d6 + PED A+B	G	G	G	G	R	R	R	R	DW*	DW*	DW
d4 + d8 + PED D	R	R	R	R	G	G	G	G	DW	DW	DW*
FLASH	FR	FR	FR	FR	FR	FR	FR	FR	DARK	DARK	DARK

* UPON ACTUATION OF PUSH BUTTON, THERE WILL BE A STEADY "MAN" SYMBOL, FOLLOWED BY A FLASHING "HAND" SYMBOL, WITH COUNTDOWN TIMER INITIATED, FOLLOWED BY A STEADY "HAND" SYMBOL.

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Syracuse NEW YORK

EAST BRIGHTON AVENUE
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MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

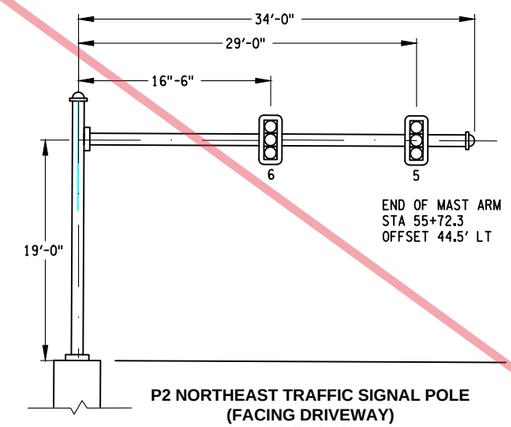
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TRAFFIC SIGNAL PLAN INTREPID LN

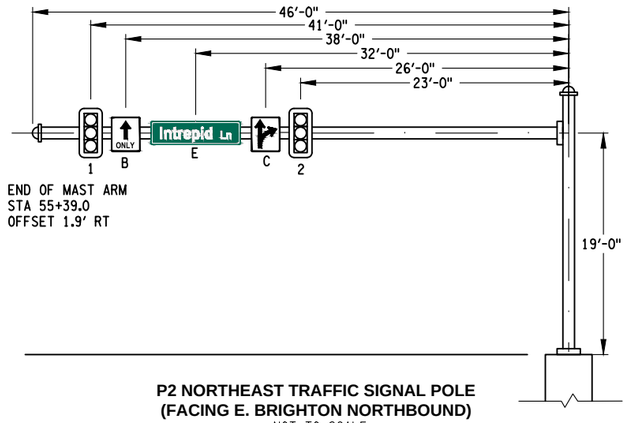
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SHEET 181R1 OF 241

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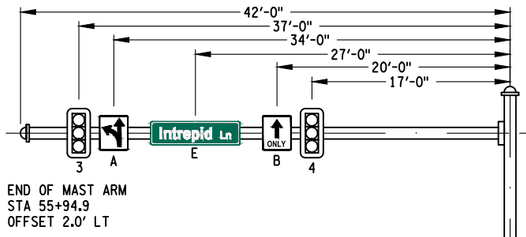
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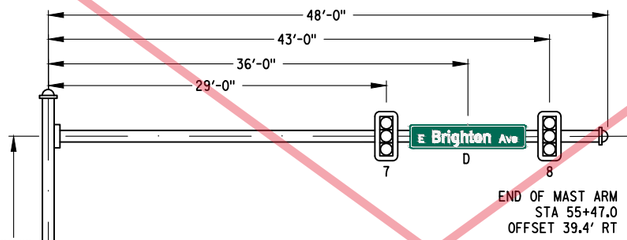
P2 NORTHEAST TRAFFIC SIGNAL POLE
(FACING DRIVEWAY)
NOT TO SCALE



P2 NORTHEAST TRAFFIC SIGNAL POLE
(FACING E. BRIGHTON NORTHBOUND)
NOT TO SCALE

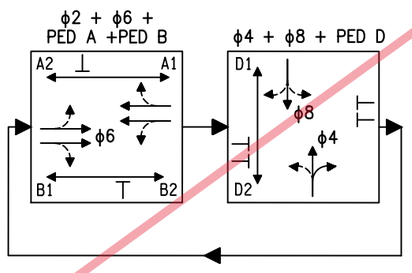


P1 SOUTHWEST TRAFFIC SIGNAL POLE
(FACING E. BRIGHTON SOUTHBOUND)
NOT TO SCALE



P1 SOUTHWEST TRAFFIC SIGNAL POLE
(FACING INTREPID)
NOT TO SCALE

MAST ARM LAYOUT ELEVATION VIEWS



PHASING DIAGRAM

TABLE OF SIGNS

SIGN	SIZE (W x L)	TEXT	MUTCD NO.	MOUNT
A	30"X36"		R3-6L	TYPE E ITEM 680.8205
B	30"X36"		R3-5A	TYPE E ITEM 680.8205
C	30"X36"		R3-6R	TYPE E ITEM 680.8205
D	120"X24"		D3-1	ITEM 645.61
E	90"x24"		D3-1	ITEM 645.61
F	9"x15"		R10-3eR	N/A
G	9"x15"		R10-3eL	N/A

TABLE OF PEDESTRIAN POLES

POLE	POLE LOCATION		MOUNTING HEIGHT	HEADS	FOOTING CODE
	STATION	OFFSET			
P3	55+80.4	40.0' RT	8'	B2	J-1
P4	55+53.8	40.0' RT	8'	B1	J-1
P5	55+42.7	40.0' RT	8'	D2	J-1
P6	55+30.4	30.1' LT	8'	A2, D2	J-1
P7	56+04.0	30.0' LT	8'	A1	J-1

TABLE OF OPERATIONS

PHASE \ FACE	(R)(Y)(G)	(R)(Y)(G)	(R)(Y)(G)	(R)(Y)(G)	(R)(Y)(G)	(R)(Y)(G)	(R)(Y)(G)	(R)(Y)(G)	88	88	88
	1	2	3	4	5	6	7	8	A1-A2	B1-B2	D1-D2
Ø2 + Ø6 + PED A+B	G	G	G	G	R	R	R	R	DW•	DW•	DW
Ø4 + Ø8 + PED D	R	R	R	R	G	G	G	G	DW	DW	DW•
FLASH	FR	FR	FR	FR	FR	FR	FR	FR	DARK	DARK	DARK

• UPON ACTUATION OF PUSH BUTTON, THERE WILL BE A STEADY "MAN" SYMBOL, FOLLOWED BY A FLASHING "HAND" SYMBOL, WITH COUNTDOWN TIMER INITIATED, FOLLOWED BY A STEADY "HAND" SYMBOL.

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRAUSER
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

TRAFFIC SIGNAL PLAN INTREPID LN

TSP-07

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TABLE OF INPUTS 33 THROUGH 64

SIGNAL NO. 3 INTREPID LANE AT EAST BRIGHTON AVENUE

SDLC CHANNEL	FUNCTION	DETECTION ZONE NUMBER	SIZE	REMARKS
33	Φ6	33	6 X 6	SB THRU/RIGHT COUNT
34	Φ6	34	6 X 6	SB THRU COUNT
35	Φ6	35	6 X 6	SB LEFT TURN COUNT
36	Φ6	36	6 X 60	SB THRU/RIGHT PRESENSE
37	Φ6	37	6 X 60	SB THRU/LEFT PRESENSE
38	Φ8	38	6 X 6	WB RIGHT TURN COUNT
39	Φ8	39	6 X 6	WB LEFT TURN COUNT
40	Φ8	40	6 X 60	WB PRESENSE
41	Φ2	41	6 X 6	NB RIGHT TURN COUNT
42	Φ2	42	6 X 6	NB THRU COUNT
43	Φ2	43	6 X 6	NB THRU COUNT
44	Φ2	44	6 X 60	NB THRU/RIGHT PRESENSE
45	Φ2	45	6 X 60	NB THRU/LEFT PRESENSE
46	Φ4	46	6 X 6	EB LT/THRU/RT PRESENCE
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				

TABLE OF INPUT WIRING

SIGNAL NO. 3 — ONONDAGA COUNTY

FUNCTION	DETECTOR NUMBER	TYPE	TERMINAL BOARD WIRING
PED A (Φ2)	A1, A2	PUSH BUTTON	1A, 1B
PED B (Φ6)	B1, B2	PUSH BUTTON	2A, 2B
PED C (Φ8)	C1, C2	PUSH BUTTON	3A, 3B
			4A, 4B
			5A, 5B
			6A, 6B
			7A, 7B
			8A, 8B
			9A, 9B
OMIT A (Φ8)	OPTICOM	PRE-EMPTION	10A, 10B
OMIT B (Φ2)	OPTICOM	PRE-EMPTION	11A, 11B
OMIT C (Φ6)	OPTICOM	PRE-EMPTION	12A, 12B

TABLE OF SWITCH PACKS

SIGNAL NO.: 3

INTERSECTION: INTREPID LANE AT EAST BRIGHTON AVENUE — COUNTY: ONONDAGA

SWITCH PACK	FUNCTION	FACE NUMBERS	FLASH PLUG	INDICATIONS	TERMIMNAL WIRING BOARD TERMINAL	WIRE COLORING CODE	
SP 1					SP 1R		
					SP 1Y		
					SP 1G		
				GROUND WIRE	GROUND BUS		
SP 2	Ø2	1, 2	R	R	SP 2R	14/7C-1-R	
				Y	SP 2Y	14/7C-1-O	
				G	SP 2G	14/7C-1-G	
				GROUND WIRE	GROUND BUS	14/7C-1-W	
SP 3					SP 3R		
					SP 3Y		
					SP 3G		
				GROUND WIRE	GROUND BUS		
SP 4	Ø4	5, 6	R	R	SP 6R	14/7C-2-R	
				Y	SP 6Y	14/7C-2-O	
				G	SP 6G	14/7C-2-G	
				GROUND WIRE	GROUND BUS	14/7C-2-W	
SP 5					SP 5R		
					SP 5Y		
					SP 5G		
				GROUND WIRE	GROUND BUS		
SP 6	Ø6	3, 4	R	R	SP 6R	14/7C-3-R	
				Y	SP 6Y	14/7C-3-O	
				G	SP 6G	14/7C-3-G	
				GROUND WIRE	GROUND BUS	14/7C-3-W	
SP 7					SP 7R		
					SP 7Y		
					SP 7G		
				GROUND WIRE	GROUND BUS		
SP 8	Ø8	7, 8	R	R	SP 8R	14/7C-4-R	
				Y	SP 8Y	14/7C-4-O	
				G	SP 8G	14/7C-4-G	
				GROUND WIRE	GROUND BUS	14/7C-4-W	
SP 9					SP 9R		
					SP 9Y		
					SP 9G		
				GROUND WIRE	GROUND BUS		
SP 10					SP 10R		
					SP 10Y		
					SP 10G		
				GROUND WIRE	GROUND BUS		
SP 11					SP 11R		
					SP 11Y		
					SP 11G		
				GROUND WIRE	GROUND BUS		
SP 12					SP 12R		
					SP 12Y		
					SP 12G		
				GROUND WIRE	GROUND BUS		
SP 13	PED A (Ø2)	A1	A2	W	HAND	SP 13R	14/5C-1-R	14/5C-2-R
						SP 13Y		
					MAN	SP 13G	14/5C-1-G	14/5C-2-G
					GROUND WIRE	GROUND BUS	14/5C-1-W	14/5C-2-W
SP 14	PED B (Ø6)	B1	B2	W	HAND	SP 14R	14/5C-3-R	14/5C-4-R
						SP 14Y		
					MAN	SP 14G	14/5C-3-G	14/5C-4-G
					GROUND WIRE	GROUND BUS	14/5C-3-W	14/5C-4-W
SP 15	PED C (Ø8)	C1	C2	W	HAND	SP 15R	14/5C-5-R	14/5C-6-R
						SP 15Y		
					MAN	SP 15G	14/5C-5-G	14/5C-6-G
					GROUND WIRE	GROUND BUS	14/5C-5-W	14/5C-6-W
SP 16						SP 16R		
						SP 16Y		
						SP 16G		
					GROUND WIRE	GROUND BUS		

MAST ARM LOADING TABLE

SIGNAL NO. 3 - INTREPID LANE AT EAST BRIGHTON AVENUE — ONONDAGA COUNTY

MAST ARM POLE	ITEM NO.	POLE LOCATION	SIGNAL HEADS	OH SIGNS	HEIGHT (FT)	ARM LENGTH (FT)	*ATTACHMENTS				FOOTING MOMENT (K-FT)	FOOTING TYPE
SW P1	680.631948	STA 55+94.9 38.0' RT	3, 4	A, B, E	19	42	***	2	5-SECTION SIGNAL HEAD		142.6	M10
							*	3	OVERHEAD SIGN	7.5 SF		
							*	1	OVERHEAD SIGN	12 SF		
								1	OVERHEAD STREET SIGN	15 SF		
			7, 8	D	19	48	***	2	5-SECTION SIGNAL HEAD			
							*	1	OVERHEADSIGN	7.5 SF		
							*	1	OVERHEAD SIGN	12 SF		
								1	OVERHEAD STREET SIGN	20 SF		
NE P2	680.631946	STA 55+38.9 44.1' LT	1, 2	B, C, E	19	46	***	2	5-SECTION SIGNAL HEAD		116.2	M8
							*	3	OVERHEAD SIGN	7.5 SF		
							*	1	OVERHEAD SIGN	12 SF		
								1	OVERHEAD STREET SIGN	15 SF		
			5, 6	—	19	34	***	2	5-SECTION SIGNAL HEAD			
							*	1	OVERHEAD SIGN	7.5 SF		
							*	1	OVERHEAD SIGN	12 SF		

* ONE ADDITIONAL 7.5 SF AND 12 SF SIGNS ARE INCLUDED BASED ON ANTICIPATED FUTURE LOADING FOR DESIGN PURPOSES ONLY. THE LARGER FUTURE SIGN SHALL BE LOCATED ON THE END OF THE MAST ARM. THE SMALLER FUTURE SIGN SHALL BE LOCATED ON THE MID-SPAN OF THE MAST ARM.

** IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, IN CONJUNCTION WITH THE POLE MANUFACTURER, TO DETERMINE THE ULTIMATE MAST ARM POLE STRENGTH AND FOOTING MOMENT FOR THE POLE'S DESIGN LOADING. THE FOOTING MOMENT FOR THE POLE'S ULTIMATE DESIGN LOADING SHALL BE CALCULATED TO SELECT THE PROPER FOOTING CODE FROM THE STANDARD SHEET 680-01. CALCULATED MOMENT AND FOOTING TYPE SHALL BE RECORDED IN THE SPACE ABOVE FOR THE CONTRACT RECORDS.

*** FOR POLE DESIGN CALCUATION PURPOSES, ALL SIGNAL HEADS SHALL BE DESIGNED AS 5-SECTION HEADS WITH BACKPLATES.

KEY FOR WIRE COLOR CODE	
R/BK = WIRE COLOR/TRACER COLOR	
O = ORANGE	BK = BLACK
R = RED	W = WHITE
G = GREEN	BL = BLUE

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STATE OF NEW YORK — DOUGLAS OWEN STRAUSER — LICENSED PROFESSIONAL ENGINEER — NO. 073267

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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TRAFFIC SIGNAL PLAN INTREPID LN

TSP-08

Jan 09, 2025 – 1:13pm
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TABLE OF TRAFIC SIGNAL QUANTITIES - INTREPID

ITEM	DESCRIPTION	UNIT	QUANTITY
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF	140
206.05	TEST PIT EXCAVATION	EA	2
645.61	OVERHEAD SIGN PANELS	SF	50
662.60000208	FURNISHING ELECTRICAL SERVICE	DC	1000
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	1
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	12
680.510301	PULLBOX-CIRCULAR, 24 INCH DIAMETER, REINFORCED CONCRETE	EA	3
680.510401	PULLBOX-CIRCULAR, 30 INCH DIAMETER, REINFORCED CONCRETE	EA	1
680.520706	TRAFFIC SIGNAL CONDUIT,RIGID PLASTIC, CLASS 1 OR 2, 2"	LF	60
680.520708	TRAFFIC SIGNAL CONDUIT,RIGID PLASTIC, CLASS 1 OR 2, 3"	LF	240
680.53	CONDUIT JACKING OR BORING	LF	150
680.631946	TRAFFIC SIGNAL POLE, DUAL MAST ARM, 19 FEET MOUNTING HEIGHT, 46 FEET ARM LENGTH	EA	1
680.631948	TRAFFIC SIGNAL POLE, DUAL MAST ARM, 19 FEET MOUNTING HEIGHT, 48 FEET ARM LENGTH	EA	1
680.681001	PEDESTRIAN SIGNAL POLE-BRACKET MOUNT 10 FEET OVERALL POLE HEIGHT STEEL	EA	3
680.700604	RISER ASSEMBLY, 1 1/2" DIAMETER	EA	1
680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG	LF	870
680.730714	SIGNAL CABLE 7 CONDUCTORS, 14 AWG	LF	600
680.80370501	CONTROLLER AND CABINET 4 THROUGH 8 PHASE FULL TRAFFIC ACTUATED (NEMA)	EA	1
680.810101	TRAFFIC SIGNAL MODULE - 12 INCH, RED BALL, LED	EA	8
680.810103	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW BALL, LED	EA	8
680.810105	TRAFFIC SIGNAL MODULE - 12 INCH, GREEN BALL, LED	EA	8
680.810601	TRAFFIC SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EA	24
680.81230008	TRAFFIC SIGNAL BRACKET ASSEMBLY-1 WAY MAST ARM MOUNT (CABLE TYPE)	EA	8
680.813105	PEDESTRIAN SIGNAL MODULE - 12 INCH, BI-MODAL HAND/MAN SYMBOLS, LED	EA	6
680.813106	PEDESTRIAN SIGNAL POLYCARBONATE TYPE 1, 12 INCH	EA	12
680.8151	AUDIBLE PEDESTRIAN SIGNAL	EA	6
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY	EA	6
680.815001	PEDESTRIAN COUNTDOWN TIMER MODULE	EA	6
680.81990003	TRAFFIC SIGNAL BACKPLATES WITH YELLOW REFLECTIVE TAPE	EA	8
680.8223	BREAKAWAY TRANSFORMER BASE	EA	3
680.90920001	ELECTRIC METER SOCKET, 100 AMPERES, SNG PHASE, 120 VOLTSFOR TRAF SIGNAL LIGHT CIRCUITS (NIAGARA MOHAWK POWER CO)	EA	1
680.9499	INSTALL ELECTRICAL DISCONNECT GENERATOR TRANSFER SWITCH	EA	1
680.950106	ELECTRICAL SERVICE CABLE 1 WIRE 6 GAUGE	LF	90

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 183

CHANGES INCLUDE:
1. **REMOVAL OF ITEMS 680.82505009, 680.82516009, AND 680.82540009.**
2. **UPDATED QUANTITIES FOR ITEMS 680.5001, 680.681001 AND 680.8223.**

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2/11/2026

STATE OF NEW YORK
DOUGLAS OWEN STANDISH
LICENSED PROFESSIONAL ENGINEER
NO. 073787

Syracuse
NEW YORK

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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TRAFFIC SIGNAL PLAN INTREPID LN

TSP-09

SHEET 183R1 OF 241

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TABLE OF TRAFIC SIGNAL QUANTITIES - INTREPID

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680.81990003	TRAFFIC SIGNAL BACKPLATES WITH YELLOW REFLECTIVE TAPE	EA	8
680.8223	BREAKAWAY TRANSFORMER BASE	EA	5
680.82505009	PREEMPT SYSTEM OPTICAL DETECTOR - DUAL CHANNEL, TWO DIRECTION (MAST ARM)	EA	1
680.82516009	PREEMPT SYSTEM - TYPE 3 PHASE SELECTOR - 4 CHANNELS	EA	1
680.82540009	PREEMPT SYSTEM - DETECTOR CABLE - SHIELDED,3 CONDUCTOR WITHSTRANDED GROUND, AWG #20	LF	70
680.90920001	ELECTRIC METER SOCKET, 100 AMPERES, SNG PHASE, 120 VOLTSFOR TRAF SIGNAL LIGHT CIRCUITS (NIAGARA MOHAWK POWER CO	EA	1
680.9499	INSTALL ELECTRICAL DISCONNECT GENERATOR TRANSFER SWITCH	EA	1
680.950106	ELECTRICAL SERVICE CABLE 1 WIRE 6 GAUGE	LF	90

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STATE OF NEW YORK
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Syracuse
New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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TRAFFIC SIGNAL PLAN INTREPID LN

TSP-09

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FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 184

CHANGES INCLUDE:

1. RELOCATED POLE P5.
2. CHANGED ORIENTATION OF HEAD ON POLE P6.
3. ACCESSIBILITY PAD AT CURB RAMPS.
4. REMOVAL OF PREEMPT SYSTEM

CAMERA NOTES:

1. THE VIDEO DETECTION SYSTEM INSTALLED UNDER ITEM 680.5010007 SHALL BE CONNECTED TO THE CONTROLLER THROUGH THE SDLC CONNECTOR (INPUT 33 TO 64).
2. THE CONTRACTOR SHALL PROGRAM THE VIDEO DETECTION ZONES AS SHOWN ON THE PLANS.
3. THE MANUFACTURER OF THE VIDEO DETECTION SYSTEM OR THEIR REPRESENTATIVE SHALL DESIGN CAMERA SYSTEM LAYOUT/ PLACEMENT AND SUPERVISE THE INSTALLATION AND TESTING OF THE VIDEO DETECTION EQUIPMENT.

E. BRIGHTON AVE

E. SENECA TPK (NYS ROUTE 173)

ITEM 680.79000205 – REMOVE TRAFFIC SIGNAL INSTALLATION, LOCATION 2 INCLUDES

1. REMOVAL AND DISPOSAL OF EXISTING MAST ARMS, SIGNAL POLE, PEDESTRIAN POLES, PEDESTRIAN BUTTONS AND SIGNS, SIGNAL BRACKETS, WIRING, SIGNAL SECTIONS, AND NON–LED SIGNAL MODULES.
2. REMOVAL AND DELIVERY OF ALL LED MODULES, THE CONTROLLER, THE CONTROLLER CABINET, AND ALL IT'S CONTENTS DIRECTLY TO SYRACUSE DPW. PLEASE CONTACT MIKE MCNEILL AT (315) 391–3482 TO SCHEDULE DROP OFF TIME TO DPW. DPW SHALL VERIFY ALL SIGNAL EQUIPMENT WITH QUANTITIES THAT HAVE BEEN DELIVERED FOR THIS SPECIFIC LOCATION.
3. REMOVAL AND DELIVERY OF EXISTING PRE–EMPTION OPTICAL DETECTORS TO THE CITY OF SYRACUSE FIRE DEPARTMENT. PLEASE CONTACT ZACH SMITH OF THE SYRACUSE FIRE DEPARTMENT AT (315)–473–3276 TO SCHEDULE DROP OFF TIME AND LOCATION.
4. REMOVAL OF ALL EXISTING PULLBOXES. PULLBOXES SHALL BE REMOVED AND BACKFILLED IN ACCORDANCE WITH THE EXCAVATION SECTION IN THE GENERAL SIGNAL NOTES.

INDICATIONS

C&S COMPANIES

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2/11/2026

STATE OF NEW YORK · DOUGLAS OWEN STANDISH · LICENSED PROFESSIONAL ENGINEER · NO. 073787

Syracuse

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TRAFFIC SIGNAL PLAN
E. SENECA TPKE

TSP-10
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Feb 06, 2026 – 11:00am
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CAMERA NOTES:

1. THE VIDEO DETECTION SYSTEM INSTALLED UNDER ITEM 680.5010007 SHALL BE CONNECTED TO THE CONTROLLER THROUGH THE SDLC CONNECTOR (INPUT 33 TO 64).
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DESIGNED BY:	DJB
CHECKED BY:	DOS

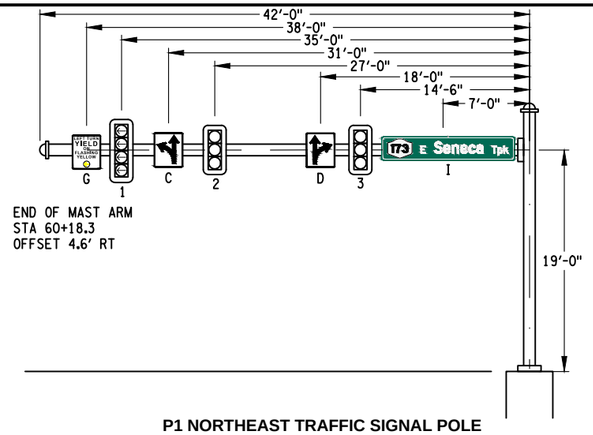
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

TRAFFIC SIGNAL PLAN E. SENECA TPKE

TSP-10

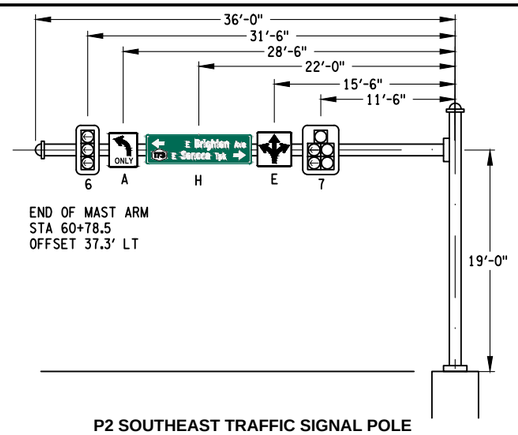
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Feb 28, 2025 - 3:10pm
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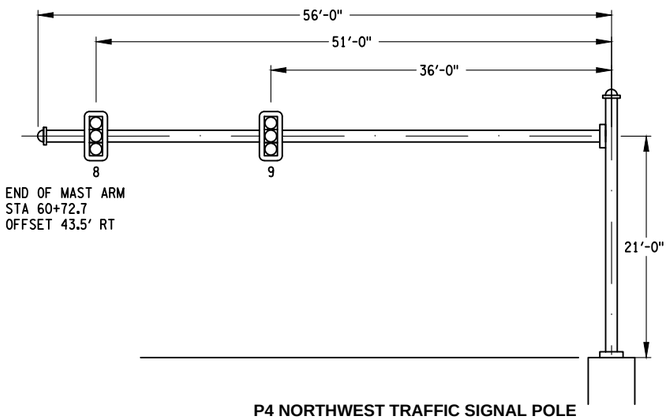
END OF MAST ARM
STA 60+18.3
OFFSET 4.6' RT

P1 NORTHEAST TRAFFIC SIGNAL POLE
NOT TO SCALE



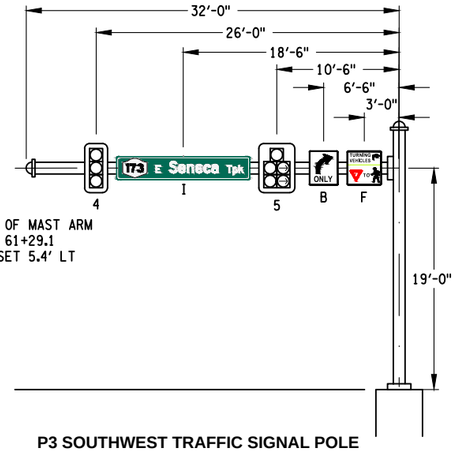
END OF MAST ARM
STA 60+78.5
OFFSET 37.3' LT

P2 SOUTHEAST TRAFFIC SIGNAL POLE
NOT TO SCALE



END OF MAST ARM
STA 60+72.7
OFFSET 43.5' RT

P4 NORTHWEST TRAFFIC SIGNAL POLE
NOT TO SCALE



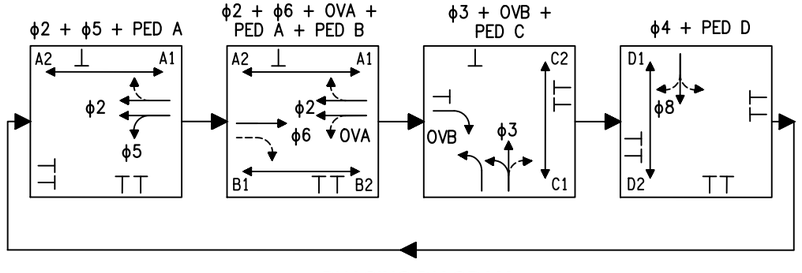
END OF MAST ARM
STA 61+29.1
OFFSET 5.4' LT

P3 SOUTHWEST TRAFFIC SIGNAL POLE
NOT TO SCALE

MAST ARM LAYOUT ELEVATION VIEWS

TABLE OF PEDESTRIAN POLES

POLE	POLE LOCATION		MOUNTING HEIGHT	HEADS	FOOTING CODE
	STATION	OFFSET			
P5	60+57.0	37.3' LT	8'	A2	J-1
P6	61+19.2	24.6' RT	8'	C1	J-1
P7	61+04.6	33.4' RT	8'	B2	J-1



PHASING DIAGRAM

TABLE OF SIGNS

SIGN	SIZE (W x L)	TEXT	MUTCD NO.	MOUNT
A	30"x36"	ONLY	R3-5L	TYPE E ITEM 680.8205
B	30"x36"	ONLY	R3-5R	TYPE E ITEM 680.8205
C	30"x36"		R3-6L	TYPE E ITEM 680.8205
D	30"x36"		R3-6R	TYPE E ITEM 680.8205
E	36"x36"		NYR3-28	TYPE E ITEM 680.8205
F	30"x30"	TURNING VEHICLES TO	R10-15R	TYPE E ITEM 680.8205
G	30"x36"	LEFT TURN YIELD ON FLASHING YELLOW	R10-12MOD	TYPE E ITEM 680.8205
H	108"x30"	E Brighton Ave / 173 E Seneca Tpk	D3-1 MOD	ITEM 645.61
I	138"x24"	173 E Seneca Tpk	D3-1a	ITEM 645.61
J	9"x15"	START CROSSING Watch For Vehicles / DON'T START Finish Crossing If Started / TIME REMAINING To Finish Crossing / DON'T CROSS / PUSH BUTTON TO CROSS	R10-3eR	N/A
K	9"x15"	START CROSSING Watch For Vehicles / DON'T START Finish Crossing If Started / TIME REMAINING To Finish Crossing / DON'T CROSS / PUSH BUTTON TO CROSS	R10-3eL	N/A

TABLE OF OPERATIONS

PHASE \ FACE	1	2	3	4	5	6	7	8	9	A1-A2	B1-B2	C1-C2	D1-D2
Ø2 + Ø5 + PED A	◄G–	G	G	R	R	◄R–	R	R	R	DW•	DW	DW	DW
Ø2 + Ø6 + PED A+B	◄FY–	G	G	G	G	◄R–	R	R	R	DW•	DW•	DW	DW
Ø3 + OVB + PED C	◄R–	R	R	R	R–G►	◄G–	◄G-G	R	R	DW	DW	DW•	DW•
Ø4 + PED D	◄R–	R	R	R	R	◄R–	R	G	G	DW	DW	DW•	DW
FLASH	FR	FR	FR	FR	FR	FR	FR	FR	FR	DARK	DARK	DARK	DARK

• UPON ACTUATION OF PUSH BUTTON, THERE WILL BE A STEADY "MAN" SYMBOL, FOLLOWED BY A FLASHING "HAND" SYMBOL, WITH COUNTDOWN TIMER INITIATED, FOLLOWED BY A STEADY "HAND" SYMBOL.

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www.cscos.com

1/9/2025

STATE OF NEW YORK · DOUGLAS OWEN STRAUSBAUGH · LICENSED PROFESSIONAL ENGINEER · NO. 073767

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

TRAFFIC SIGNAL PLAN E. SENECA TPKE

TSP-11

185 of 241

Jan 09, 2025 - 1:15pm
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TABLE OF INPUTS 33 THROUGH 64

SIGNAL NO. 4 EAST SENECA TURNPIKE AT EAST BRIGHTON AVE

SDLC CHANNEL	FUNCTION	DETECTION ZONE NUMBER	SIZE	REMARKS
33	Φ6	33	6 X 6	SB RIGHT TURN COUNT
34	Φ6	34	6 X 6	SB THRU/LEFT COUNT
35	Φ6	35	6 X 60	SB RIGHT TURN PRESENSE
36	Φ6	36	6 X 60	SB THRU/LEFT PRESENSE
37	Φ4	37	6 X 60	WB PRESENSE
38	Φ2	38	6 X 6	NB THRU COUNT
39	Φ2	39	6 X 6	NB THRU COUNT
40	Φ2	40	6 X 6	NB LEFT TURN COUNT
41	Φ2	41	6 X 60	NB THRU/RIGHT PRESENSE
42	Φ2	42	6 X 60	NB THRU/LEFT PRESENSE
43	Φ3	43	6 X 6	EB RIGHT TURN COUNT
44	Φ3	44	6 X 6	EB THRU COUNT
45	Φ3	45	6 X 6	EB LEFT TURN COUNT
46	Φ3	46	6 X 6	EB LEFT TURN COUNT
47	Φ3	47	6 X 60	EB LT/THRU/RT PRESENCE
48	Φ3	48	6 X 60	EB LEFT TURN PRESENCE
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				

TABLE OF INPUT WIRING

SIGNAL NO. 4 — ONONDAGA COUNTY

FUNCTION	DETECTOR NUMBER	TYPE	TERMINAL BOARD WIRING
PED A (Φ2)	A1, A2	PUSH BUTTON	1A, 1B
PED B (Φ6)	B1, B2	PUSH BUTTON	2A, 2B
PED C (Φ3)	C1, C2	PUSH BUTTON	3A, 3B
PED D (Φ4)	D1, D2	PUSH BUTTON	4A, 4B
			5A, 5B
			6A, 6B
			7A, 7B
			8A, 8B
			9A, 9B
			10A, 10B
			11A, 11B
			12A, 12B

TABLE OF SWITCH PACKS

SIGNAL NO.: 4

INTERSECTION: EAST SENECA TURNPIKE AT EAST BRIGHTON AVENUE — COUNTY: ONONDAGA

SWITCH PACK	FUNCTION	FACE NUMBERS	FLASH PLUG	INDICATIONS	TERMIMNAL WIRING BOARD TERMINAL	WIRE COLORING CODE	
SP 1					SP 1R		
					SP 1Y		
					SP 1G		
				GROUND WIRE	GROUND BUS		
SP 2	Ø2	2, 3	R	R	SP 2R	14/7C-1-R	
				Y	SP 2Y	14/7C-1-O	
				G	SP 2G	14/7C-1-G	
				GROUND WIRE	GROUND BUS	14/7C-1-W	
SP 3	Ø3	6, 7	R	←R R	SP 3R	14/7C-2-R	
				←Y Y	SP 3Y	14/7C-2-O	
				←G G	SP 3G	14/7C-2-G	
				GROUND WIRE	GROUND BUS	14/7C-2-W	
SP 4	Ø4	8, 9	R	R	SP 6R	14/7C-3-R	
				Y	SP 6Y	14/7C-3-O	
				G	SP 6G	14/7C-3-G	
				GROUND WIRE	GROUND BUS	14/7C-3-W	
SP 5	OV A (Ø5)	1	W		SP 5R		
					SP 5Y		
				←G	SP 5G	14/7C-4-BL	
				GROUND WIRE	GROUND BUS	14/7C-4-W/B	
SP 6	Ø6	4, 5	R	R	SP 6R	14/7C-5-R	
				Y	SP 6Y	14/7C-5-O	
				G	SP 6G	14/7C-5-G	
				GROUND WIRE	GROUND BUS	14/7C-5-W	
SP 7					SP 7R		
					SP 7Y		
					SP 7G		
				GROUND WIRE	GROUND BUS		
SP 8					SP 8R		
					SP 8Y		
					SP 8G		
				GROUND WIRE	GROUND BUS		
SP 9	OV B (Ø3)	5	W		SP 9R		
				Y→	SP 9Y	14/7C-5-BL	
				G→	SP 9G	14/7C-5-B	
				GROUND WIRE	GROUND BUS	14/7C-5-W/B	
SP 10					SP 10R		
					SP 10Y		
					SP 10G		
				GROUND WIRE	GROUND BUS		
SP 11	Ø5	1	W	←R	SP 11R	14/7C-4-R	
				←Y	SP 11Y	14/7C-4-O	
				←FY	SP 11G	14/7C-4-G	
				GROUND WIRE	GROUND BUS	14/7C-4-W	
SP 12					SP 12R		
					SP 12Y		
					SP 12G		
				GROUND WIRE	GROUND BUS		
SP 13	PED A (Ø2)	A1	A2	HAND	SP 13R	14/5C-1-R	14/5C-2-R
					SP 13Y		
				MAN	SP 13G	14/5C-1-G	14/5C-2-G
				GROUND WIRE	GROUND BUS	14/5C-1-W	14/5C-2-W
SP 14	PED B (Ø6)	B1	B2	HAND	SP 14R	14/5C-3-R	14/5C-4-R
					SP 14Y		
				MAN	SP 14G	14/5C-3-G	14/5C-4-G
				GROUND WIRE	GROUND BUS	14/5C-3-W	14/5C-4-W
SP 15	PED C (Ø4)	C1	C2	HAND	SP 15R	14/5C-5-R	14/5C-6-R
					SP 15Y		
				MAN	SP 15G	14/5C-5-G	14/5C-6-G
				GROUND WIRE	GROUND BUS	14/5C-5-W	14/5C-6-W
SP 16	PED D (Ø8)	D1	D2	HAND	SP 16R	14/5C-7-R	14/5C-8-R
					SP 16Y		
				MAN	SP 16G	14/5C-7-G	14/5C-8-G
				GROUND WIRE	GROUND BUS	14/5C-7-W	14/5C-8-W

MAST ARM LOADING TABLE

SIGNAL NO. 4 - EAST SENECA TURNPIKE AT EAST BRIGHTON AVENUE — ONONDAGA COUNTY

MAST ARM POLE	ITEM NO.	POLE LOCATION	SIGNAL HEADS	OH SIGNS	HEIGHT (FT)	ARM LENGTH (FT)	*ATTACHMENTS	FOOTING MOMENT (K-FT)	FOOTING TYPE
NE P1	680.621942	STA 60+18.2 37.4' LT	1,2	C, G, D, I	19	42	*** 3 5-SECTION SIGNAL HEAD * 4 OVERHEAD SIGN 7.5 SF * 1 OVERHEAD SIGN 12 SF 1 OVERHEAD STREET SIGN 23 SF	71.8	M5
SE P2	680.621936	STA 61+14.5 37.3' LT	5,6	A, E, H	19	36	*** 2 5-SECTION SIGNAL HEAD * 2 OVERHEAD SIGN 7.5 SF 1 OVERHEAD SIGN 9.0 SF * 1 OVERHEAD SIGN 12 SF 1 OVERHEAD STREET SIGN 22.5 SF	56.1	M3
SW P3	680.621932	STA 61+29.1 25.2' RT	3,4	B, F, I	19	32	*** 2 5-SECTION SIGNAL HEAD 1 OVERHEAD SIGN 6.3 SF * 2 OVERHEAD SIGN 7.5 SF * 1 OVERHEAD SIGN 12 SF 1 OVERHEAD STREET SIGN 23 SF	51.5	M3
NW P4	680.622156	STA 60+16.6 43.5' RT	7,8	---	21	56	*** 2 5-SECTION SIGNAL HEAD * 1 OVERHEAD SIGN 7.5 SF * 1 OVERHEAD SIGN 12 SF	65.7	M4

* ONE ADDITIONAL 7.5 SF AND 12 SF SIGNS ARE INCLUDED BASED ON ANTICIPATED FUTURE LOADING FOR DESIGN PURPOSES ONLY. THE LARGER FUTURE SIGN SHALL BE LOCATED ON THE END OF THE MAST ARM. THE SMALLER FUTURE SIGN SHALL BE LOCATED ON THE MID-SPAN OF THE MAST ARM.

** IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, IN CONJUNCTION WITH THE POLE MANUFACTURER, TO DETERMINE THE ULTIMATE MAST ARM POLE STRENGTH AND FOOTING MOMENT FOR THE POLE'S DESIGN LOADING. THE FOOTING MOMENT FOR THE POLE'S ULTIMATE DESIGN LOADING SHALL BE CALCULATED TO SELECT THE PROPER FOOTING CODE FROM THE STANDARD SHEET 680-01. CALCULATED MOMENT AND FOOTING TYPE SHALL BE RECORDED IN THE SPACE ABOVE FOR THE CONTRACT RECORDS.

*** FOR POLE DESIGN CALCUATION PURPOSES, ALL SIGNAL HEADS SHALL BE DESIGNED AS 5-SECTION HEADS WITH BACKPLATES.

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 186

CHANGES INCLUDE:

1. **REMOVAL OF PREEMPT WIRING INPUT FROM THE "TABLE OF INPUT WIRING".**

KEY FOR WIRE COLOR CODE	
R/BK = WIRE COLOR/TRACER COLOR	
O = ORANGE	BK = BLACK
R = RED	W = WHITE
G = GREEN	BL = BLUE

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2/11/2026

STATE OF NEW YORK · DOUGLAS OWEN STANDISH · LICENSED PROFESSIONAL ENGINEER · NO. 073787

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

TRAFFIC SIGNAL PLAN
E. SENECA TPKE

TSP-12

SHEET 186R1 OF 241

Feb 06, 2026 – 11:01am
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TABLE OF INPUTS 33 THROUGH 64

SIGNAL NO. 4 EAST SENECA TURNPIKE AT EAST BRIGHTON AVE

SDLC CHANNEL	FUNCTION	DETECTION ZONE NUMBER	SIZE	REMARKS
33	Φ6	33	6 X 6	SB RIGHT TURN COUNT
34	Φ6	34	6 X 6	SB THRU/LEFT COUNT
35	Φ6	35	6 X 60	SB RIGHT TURN PRESENSE
36	Φ6	36	6 X 60	SB THRU/LEFT PRESENSE
37	Φ4	37	6 X 60	WB PRESENSE
38	Φ2	38	6 X 6	NB THRU COUNT
39	Φ2	39	6 X 6	NB THRU COUNT
40	Φ2	40	6 X 6	NB LEFT TURN COUNT
41	Φ2	41	6 X 60	NB THRU/RIGHT PRESENSE
42	Φ2	42	6 X 60	NB THRU/LEFT PRESENSE
43	Φ3	43	6 X 6	EB RIGHT TURN COUNT
44	Φ3	44	6 X 6	EB THRU COUNT
45	Φ3	45	6 X 6	EB LEFT TURN COUNT
46	Φ3	46	6 X 6	EB LEFT TURN COUNT
47	Φ3	47	6 X 60	EB LT/THRU/RT PRESENCE
48	Φ3	48	6 X 60	EB LEFT TURN PRESENCE
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61				
62				
63				
64				

TABLE OF INPUT WIRING

SIGNAL NO. 4 — ONONDAGA COUNTY

FUNCTION	DETECTOR NUMBER	TYPE	TERMINAL BOARD WIRING
PED A (Φ2)	A1, A2	PUSH BUTTON	1A, 1B
PED B (Φ6)	B1, B2	PUSH BUTTON	2A, 2B
PED C (Φ3)	C1, C2	PUSH BUTTON	3A, 3B
PED D (Φ4)	D1, D2	PUSH BUTTON	4A, 4B
			5A, 5B
			6A, 6B
			7A, 7B
			8A, 8B
			9A, 9B
OMIT A (Φ3)	OPTICOM	PRE-EMPTION	10A, 10B
OMIT B (Φ2)	OPTICOM	PRE-EMPTION	11A, 11B
OMIT C (Φ6)	OPTICOM	PRE-EMPTION	12A, 12B

TABLE OF SWITCH PACKS

SIGNAL NO.: 4

INTERSECTION: EAST SENECA TURNPIKE AT EAST BRIGHTON AVENUE — COUNTY: ONONDAGA

SWITCH PACK	FUNCTION	FACE NUMBERS	FLASH PLUG	INDICATIONS	TERMIMNAL WIRING BOARD TERMINAL	WIRE COLORING CODE	
SP 1					SP 1R		
					SP 1Y		
					SP 1G		
				GROUND WIRE	GROUND BUS		
SP 2	Ø2	2, 3	R	R	SP 2R	14/7C-1-R	
				Y	SP 2Y	14/7C-1-O	
				G	SP 2G	14/7C-1-G	
				GROUND WIRE	GROUND BUS	14/7C-1-W	
SP 3	Ø3	6, 7	R	←R R	SP 3R	14/7C-2-R	
				←Y Y	SP 3Y	14/7C-2-O	
				←G G	SP 3G	14/7C-2-G	
				GROUND WIRE	GROUND BUS	14/7C-2-W	
SP 4	Ø4	8, 9	R	R	SP 6R	14/7C-3-R	
				Y	SP 6Y	14/7C-3-O	
				G	SP 6G	14/7C-3-G	
				GROUND WIRE	GROUND BUS	14/7C-3-W	
SP 5	OV A (Ø5)	1	W		SP 5R		
					SP 5Y		
				←G	SP 5G	14/7C-4-BL	
				GROUND WIRE	GROUND BUS	14/7C-4-W/B	
SP 6	Ø6	4, 5	R	R	SP 6R	14/7C-5-R	
				Y	SP 6Y	14/7C-5-O	
				G	SP 6G	14/7C-5-G	
				GROUND WIRE	GROUND BUS	14/7C-5-W	
SP 7					SP 7R		
					SP 7Y		
					SP 7G		
				GROUND WIRE	GROUND BUS		
SP 8					SP 8R		
					SP 8Y		
					SP 8G		
				GROUND WIRE	GROUND BUS		
SP 9	OV B (Ø3)	5	W		SP 9R		
				Y→	SP 9Y	14/7C-5-BL	
				G→	SP 9G	14/7C-5-B	
				GROUND WIRE	GROUND BUS	14/7C-5-W/B	
SP 10					SP 10R		
					SP 10Y		
					SP 10G		
				GROUND WIRE	GROUND BUS		
SP 11	Ø5	1	W	←R	SP 11R	14/7C-4-R	
				←Y	SP 11Y	14/7C-4-O	
				←FY	SP 11G	14/7C-4-G	
				GROUND WIRE	GROUND BUS	14/7C-4-W	
SP 12					SP 12R		
					SP 12Y		
					SP 12G		
				GROUND WIRE	GROUND BUS		
SP 13	PED A (Ø2)	A1	A2	HAND	SP 13R	14/5C-1-R	14/5C-2-R
					SP 13Y		
				MAN	SP 13G	14/5C-1-G	14/5C-2-G
				GROUND WIRE	GROUND BUS	14/5C-1-W	14/5C-2-W
SP 14	PED B (Ø6)	B1	B2	HAND	SP 14R	14/5C-3-R	14/5C-4-R
					SP 14Y		
				MAN	SP 14G	14/5C-3-G	14/5C-4-G
				GROUND WIRE	GROUND BUS	14/5C-3-W	14/5C-4-W
SP 15	PED C (Ø4)	C1	C2	HAND	SP 15R	14/5C-5-R	14/5C-6-R
					SP 15Y		
				MAN	SP 15G	14/5C-5-G	14/5C-6-G
				GROUND WIRE	GROUND BUS	14/5C-5-W	14/5C-6-W
SP 16	PED D (Ø8)	D1	D2	HAND	SP 16R	14/5C-7-R	14/5C-8-R
					SP 16Y		
				MAN	SP 16G	14/5C-7-G	14/5C-8-G
				GROUND WIRE	GROUND BUS	14/5C-7-W	14/5C-8-W

KEY FOR WIRE COLOR CODE	
R/BK = WIRE COLOR/TRACER COLOR	
O = ORANGE	BK = BLACK
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MAST ARM LOADING TABLE

SIGNAL NO. 4 - EAST SENECA TURNPIKE AT EAST BRIGHTON AVENUE — ONONDAGA COUNTY

MAST ARM POLE	ITEM NO.	POLE LOCATION	SIGNAL HEADS	OH SIGNS	HEIGHT (FT)	ARM LENGTH (FT)	*ATTACHMENTS	FOOTING MOMENT (K-FT)	FOOTING TYPE
NE P1	680.621942	STA 60+18.2 37.4' LT	1,2	C, G, D, I	19	42	*** 3 5-SECTION SIGNAL HEAD * 4 OVERHEAD SIGN 7.5 SF * 1 OVERHEAD SIGN 12 SF 1 OVERHEAD STREET SIGN 23 SF	71.8	M5
SE P2	680.621936	STA 61+14.5 37.3' LT	5,6	A, E, H	19	36	*** 2 5-SECTION SIGNAL HEAD * 2 OVERHEAD SIGN 7.5 SF 1 OVERHEAD SIGN 9.0 SF * 1 OVERHEAD SIGN 12 SF 1 OVERHEAD STREET SIGN 22.5 SF	56.1	M3
SW P3	680.621932	STA 61+29.1 25.2' RT	3,4	B, F, I	19	32	*** 2 5-SECTION SIGNAL HEAD 1 OVERHEAD SIGN 6.3 SF * 2 OVERHEAD SIGN 7.5 SF * 1 OVERHEAD SIGN 12 SF 1 OVERHEAD STREET SIGN 23 SF	51.5	M3
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* ONE ADDITIONAL 7.5 SF AND 12 SF SIGNS ARE INCLUDED BASED ON ANTICIPATED FUTURE LOADING FOR DESIGN PURPOSES ONLY. THE LARGER FUTURE SIGN SHALL BE LOCATED ON THE END OF THE MAST ARM. THE SMALLER FUTURE SIGN SHALL BE LOCATED ON THE MID-SPAN OF THE MAST ARM.

** IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, IN CONJUNCTION WITH THE POLE MANUFACTURER, TO DETERMINE THE ULTIMATE MAST ARM POLE STRENGTH AND FOOTING MOMENT FOR THE POLE'S DESIGN LOADING. THE FOOTING MOMENT FOR THE POLE'S ULTIMATE DESIGN LOADING SHALL BE CALCULATED TO SELECT THE PROPER FOOTING CODE FROM THE STANDARD SHEET 680-01. CALCULATED MOMENT AND FOOTING TYPE SHALL BE RECORDED IN THE SPACE ABOVE FOR THE CONTRACT RECORDS.

*** FOR POLE DESIGN CALCUATION PURPOSES, ALL SIGNAL HEADS SHALL BE DESIGNED AS 5-SECTION HEADS WITH BACKPLATES.

C&S COMPANIES
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Syracuse, NY 13212
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1/9/2025

STATE OF NEW YORK — DOUGLAS OWEN STRAUSER — LICENSED PROFESSIONAL ENGINEER — NO. 073767

Syracuse New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

TRAFFIC SIGNAL PLAN E. SENECA TPKE

TSP-12

Jan 09, 2025 - 1:15pm
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TABLE OF TRAFIC SIGNAL QUANTITIES - SENECA

ITEM	DESCRIPTION	UNIT	QUANTITY
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF	90
206.05	TEST PIT EXCAVATION	EA	4
619.1613	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT C)	INTM	9
645.61	OVERHEAD SIGN PANELS	SF	68.5
662.60000308	FURNISHING ELECTRICAL SERVICE	DC	1000
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	1
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	15
680.510301	PULLBOX-CIRCULAR, 24 INCH DIAMETER, REINFORCED CONCRETE	EA	3
680.510401	PULLBOX-CIRCULAR, 30 INCH DIAMETER, REINFORCED CONCRETE	EA	1
680.520706	TRAFFIC SIGNAL CONDUIT,RIGID PLASTIC, CLASS 1 OR 2, 2"	LF	55
680.520708	TRAFFIC SIGNAL CONDUIT,RIGID PLASTIC, CLASS 1 OR 2, 3"	LF	290
680.53	CONDUIT JACKING OR BORING	LF	240
680.621932	TRAFFIC SIGNAL POLE, MAST ARM, 19 FEET MOUNTING HEIGHT, 32 FEET ARM LENGTH	EA	1
680.621936	TRAFFIC SIGNAL POLE, MAST ARM, 19 FEET MOUNTING HEIGHT, 36 FEET ARM LENGTH	EA	1
680.621942	TRAFFIC SIGNAL POLE, MAST ARM, 19 FEET MOUNTING HEIGHT, 42 FEET ARM LENGTH	EA	1
680.622156	TRAFFIC SIGNAL POLE, MAST ARM, 21 FEET MOUNTING HEIGHT, 56 FEET ARM LENGTH	EA	1
680.681001	PEDESTRIAN SIGNAL POLE-BRACKET MOUNT 10 FEET OVERALL POLE HEIGHT STEEL	EA	3
680.700604	RISER ASSEMBLY, 1 1/2" DIAMETER	EA	1
680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG	LF	1,280
680.730714	SIGNAL CABLE 7 CONDUCTORS, 14 AWG	LF	880
680.79000205	REMOVE TRAFFIC SIGNAL INSTALLATION LOCATION 2	ELOC	1
680.80370501	CONTROLLER AND CABINET 4 THROUGH 8 PHASE FULL TRAFFIC ACTUATED (NEMA)	EA	1
680.810101	TRAFFIC SIGNAL MODULE - 12 INCH, RED BALL, LED	EA	7
680.810102	TRAFFIC SIGNAL MODULE - 12 INCH, RED ARROW, LED	EA	2
680.810103	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW BALL, LED	EA	7
680.810104	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW ARROW, LED	EA	5
680.810105	TRAFFIC SIGNAL MODULE - 12 INCH, GREEN BALL, LED	EA	7
680.810106	TRAFFIC SIGNAL MODULE - 12 INCH, GREEN ARROW, LED	EA	4
680.810601	TRAFFIC SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EA	32
680.81230008	TRAFFIC SIGNAL BRACKET ASSEMBLY-1 WAY MAST ARM MOUNT (CABLE TYPE)	EA	9
680.813105	PEDESTRIAN SIGNAL MODULE - 12 INCH, BI-MODAL HAND/MAN SYMBOLS, LED	EA	8
680.813106	PEDESTRIAN SIGNAL POLYCARBONATE TYPE 1, 12 INCH	EA	16
680.8151	AUDIBLE PEDESTRIAN SIGNAL	EA	7
680.8152	AUDIBLE PEDESTRIAN SIGNAL W/POST	EA	1
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY	EA	8
680.815001	PEDESTRIAN COUNTDOWN TIMER MODULE	EA	8
680.81990003	TRAFFIC SIGNAL BACKPLATES WITH YELLOW REFLECTIVE TAPE	EA	9
680.8205	OVERHEAD SIGN ASSEMBLY, TYPE E	EA	7
680.8223	BREAKAWAY TRANSFORMER BASE	EA	3
680.90920001	ELECTRIC METER SOCKET, 100 AMPERES, SNG PHASE, 120 VOLTSFOR TRAF SIGNAL LIGHT CIRCUITS (NIAGARA MOHAWK POWER CO)	EA	1
680.9499	INSTALL ELECTRICAL DISCONNECT GENERATOR TRANSFER SWITCH	EA	1
680.950106	ELECTRICAL SERVICE CABLE 1 WIRE 6 GAUGE	LF	90

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 187

CHANGES INCLUDE:

1. **REMOVAL OF ITEM 680.82501009, 680.82505009, 680.82516009, AND 680.82540009.**

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2/11/2026

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LICENSED PROFESSIONAL ENGINEER
NO. 073787

Syracuse NEW YORK

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TRAFFIC SIGNAL PLAN
E. SENECA TPKE

TSP-13
SHEET 187R1 OF 241

Feb 06, 2026 – 11:01am
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680.8205	OVERHEAD SIGN ASSEMBLY, TYPE E	EA	7
680.8223	BREAKAWAY TRANSFORMER BASE	EA	3
680.82501009	PREEMPT SYSTEM OPTICAL DETECTOR - SINGLE CHANNEL,ONE DIRECTION (MAST ARM)	EA	1
680.82505009	PREEMPT SYSTEM OPTICAL DETECTOR - DUAL CHANNEL, TWO DIRECTION (MAST ARM)	EA	1
680.82516009	PREEMPT SYSTEM - TYPE 3 PHASE SELECTOR - 4 CHANNELS	EA	1
680.82540009	PREEMPT SYSTEM - DETECTOR CABLE - SHIELDED,3 CONDUCTOR WITHSTRANDED GROUND, AWG #20	LF	250
680.90920001	ELECTRIC METER SOCKET, 100 AMPERES, SNG PHASE, 120 VOLTSFOR TRAF SIGNAL LIGHT CIRCUITS (NIAGARA MOHAWK POWER CO	EA	1
680.9499	INSTALL ELECTRICAL DISCONNECT GENERATOR TRANSFER SWITCH	EA	1
680.950106	ELECTRICAL SERVICE CABLE 1 WIRE 6 GAUGE	LF	90

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1/9/2025

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DOUGLAS OWEN STRAUSBAUGH
LICENSED PROFESSIONAL ENGINEER
NO. 073267

Syracuse
New York

D040386

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CITY OF SYRACUSE
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PIN 3756.80

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TRAFFIC SIGNAL PLAN E. SENECA TPKE

TSP-13

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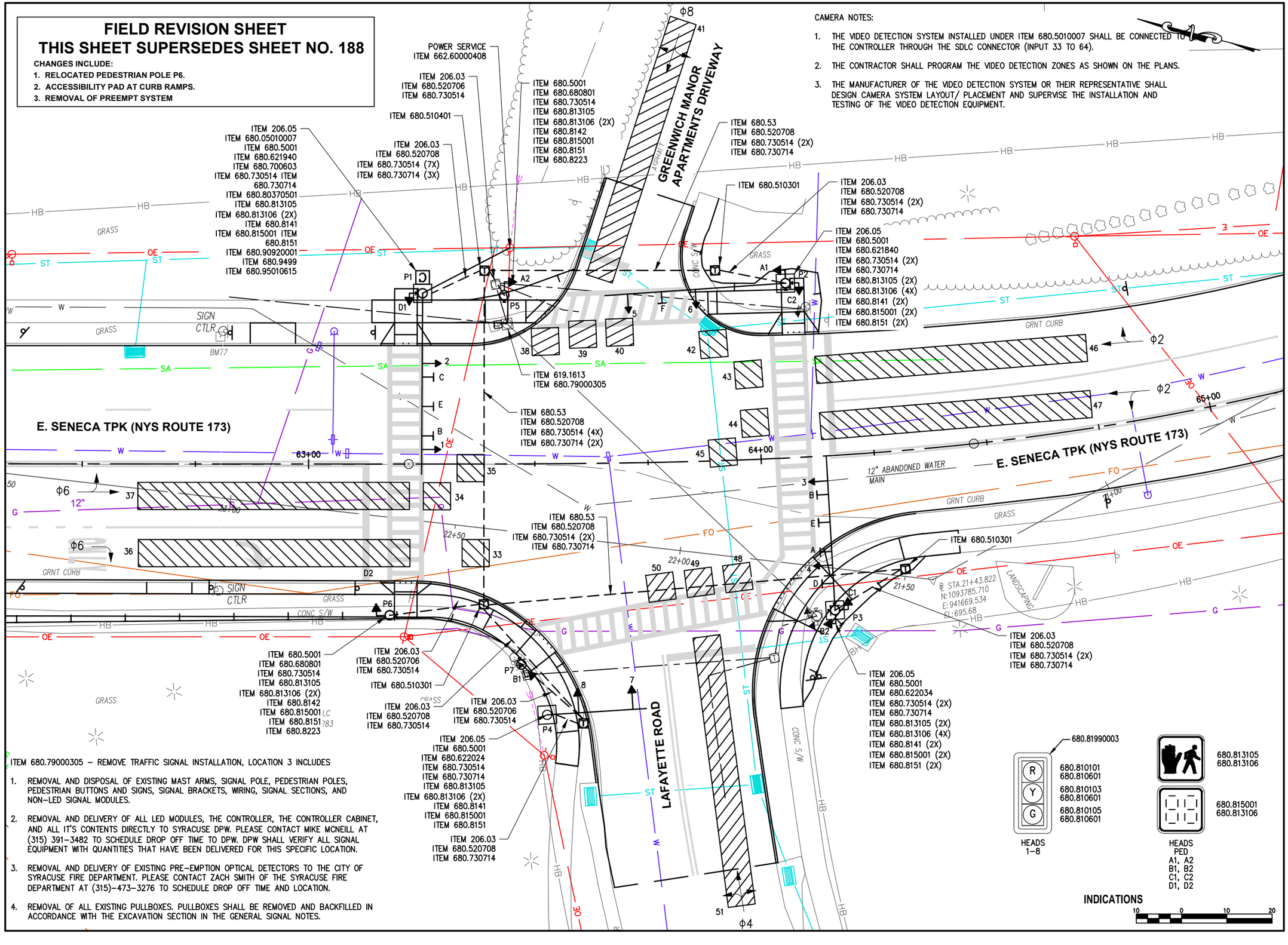
FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 188

CHANGES INCLUDE:

1. RELOCATED PEDESTRIAN POLE P6.
2. ACCESSIBILITY PAD AT CURB RAMPS.
3. REMOVAL OF PREEMPT SYSTEM

CAMERA NOTES:

1. THE VIDEO DETECTION SYSTEM INSTALLED UNDER ITEM 680.5010007 SHALL BE CONNECTED TO THE CONTROLLER THROUGH THE SDLC CONNECTOR (INPUT 33 TO 64).
2. THE CONTRACTOR SHALL PROGRAM THE VIDEO DETECTION ZONES AS SHOWN ON THE PLANS.
3. THE MANUFACTURER OF THE VIDEO DETECTION SYSTEM OR THEIR REPRESENTATIVE SHALL DESIGN CAMERA SYSTEM LAYOUT/ PLACEMENT AND SUPERVISE THE INSTALLATION AND TESTING OF THE VIDEO DETECTION EQUIPMENT.



ITEM 680.79000305 – REMOVE TRAFFIC SIGNAL INSTALLATION, LOCATION 3 INCLUDES

1. REMOVAL AND DISPOSAL OF EXISTING MAST ARMS, SIGNAL POLE, PEDESTRIAN POLES, PEDESTRIAN BUTTONS AND SIGNS, SIGNAL BRACKETS, WIRING, SIGNAL SECTIONS, AND NON–LED SIGNAL MODULES.
2. REMOVAL AND DELIVERY OF ALL LED MODULES, THE CONTROLLER, THE CONTROLLER CABINET, AND ALL IT'S CONTENTS DIRECTLY TO SYRACUSE DPW. PLEASE CONTACT MIKE MCNEILL AT (315) 391–3482 TO SCHEDULE DROP OFF TIME TO DPW. DPW SHALL VERIFY ALL SIGNAL EQUIPMENT WITH QUANTITIES THAT HAVE BEEN DELIVERED FOR THIS SPECIFIC LOCATION.
3. REMOVAL AND DELIVERY OF EXISTING PRE–EMPTION OPTICAL DETECTORS TO THE CITY OF SYRACUSE FIRE DEPARTMENT. PLEASE CONTACT ZACH SMITH OF THE SYRACUSE FIRE DEPARTMENT AT (315)–473–3276 TO SCHEDULE DROP OFF TIME AND LOCATION.
4. REMOVAL OF ALL EXISTING PULLBOXES. PULLBOXES SHALL BE REMOVED AND BACKFILLED IN ACCORDANCE WITH THE EXCAVATION SECTION IN THE GENERAL SIGNAL NOTES.

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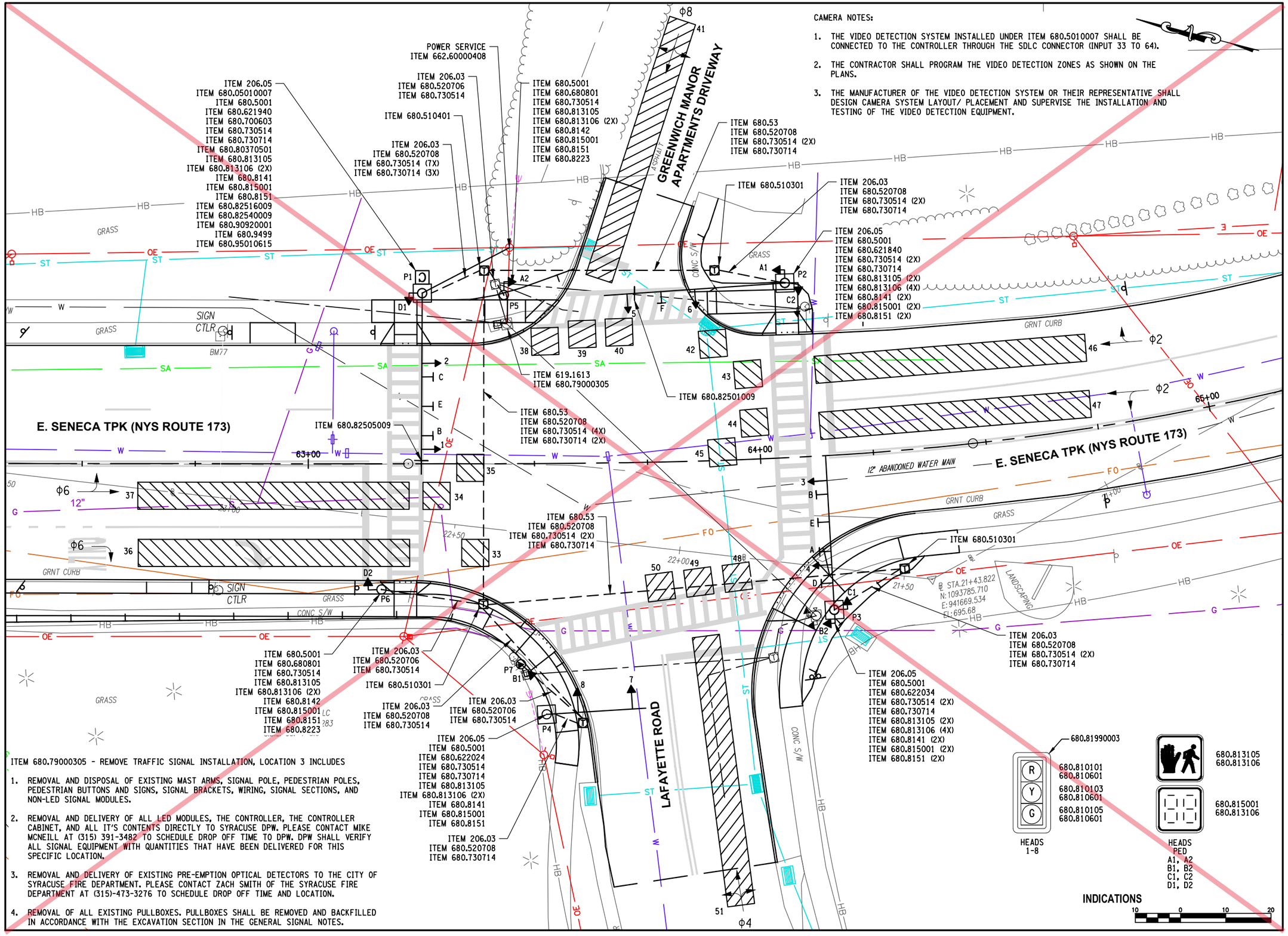
TRAFFIC SIGNAL PLAN LAFAYETTE RD

TSP-14

SHEET 188R1 OF 241

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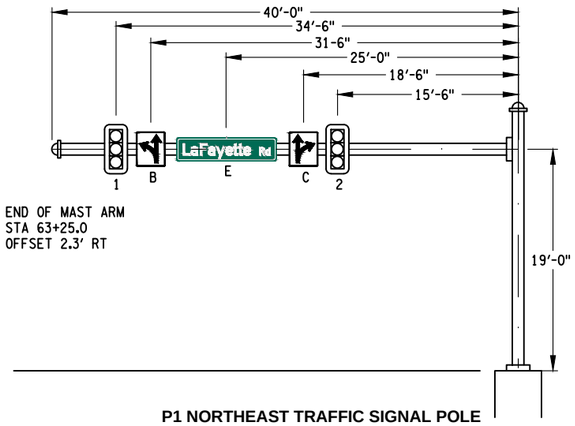
TRAFFIC SIGNAL PLAN LAFAYETTE RD

TSP-14

188 of 241

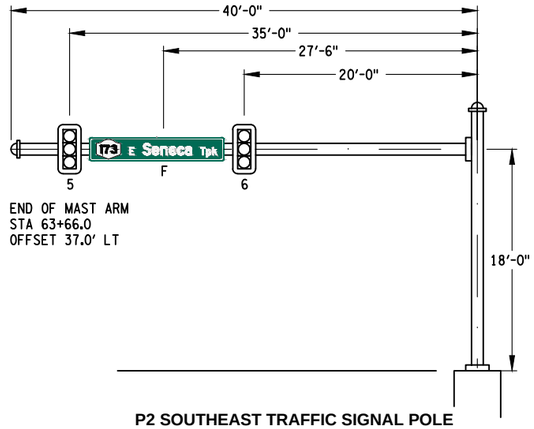
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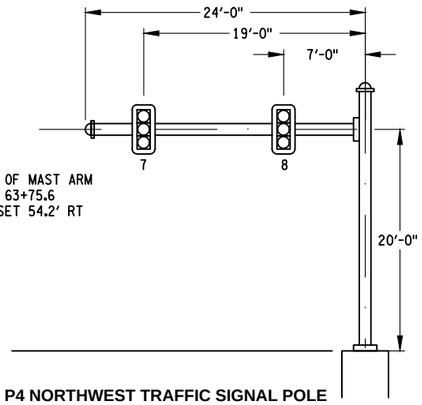
END OF MAST ARM
STA 63+25.0
OFFSET 2.3' RT

P1 NORTHEAST TRAFFIC SIGNAL POLE
NOT TO SCALE



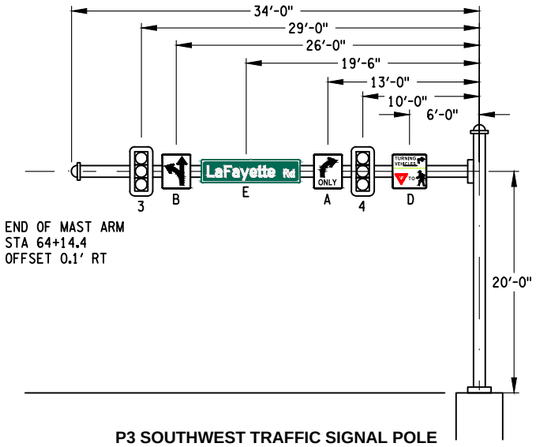
END OF MAST ARM
STA 63+66.0
OFFSET 37.0' LT

P2 SOUTHEAST TRAFFIC SIGNAL POLE
NOT TO SCALE



END OF MAST ARM
STA 63+75.6
OFFSET 54.2' RT

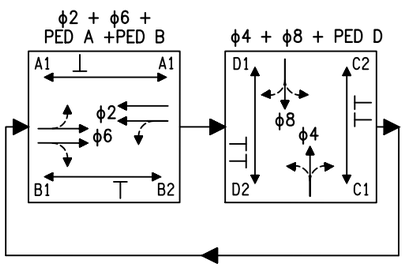
P4 NORTHWEST TRAFFIC SIGNAL POLE
NOT TO SCALE



END OF MAST ARM
STA 64+14.4
OFFSET 0.1' RT

P3 SOUTHWEST TRAFFIC SIGNAL POLE
NOT TO SCALE

MAST ARM LAYOUT ELEVATION VIEWS



PHASING DIAGRAM

TABLE OF PEDESTRIAN POLES

POLE	POLE LOCATION		MOUNTING HEIGHT	HEADS	FOOTING CODE
	STATION	OFFSET			
P5	63+44.6	37.2' LT	8'	A2	J-1
P6	63+16.2	27.8' RT	8'	D2	J-1
P7	63+46.7	44.5' RT	8'	B1	J-1

TABLE OF CLEARANCES

FROM \ TO	R	G
R		Y
		R
G	R	
	G	

TABLE OF SIGNS

SIGN	SIZE (W x L)	TEXT	MUTCD NO.	MOUNT
A	30"x36"	ONLY	R3-5R	TYPE E ITEM 680.8205
B	30"x36"		R3-6L	TYPE E ITEM 680.8205
C	30"x36"		R3-6R	TYPE E ITEM 680.8205
D	30"x30"	TURNING VEHICLES TO	R10-15R	TYPE E ITEM 680.8205
E	102"x24"	LaFayette Rd	D3-1	ITEM 645.61
F	138"x24"	173 E Seneca Tpk	D3-1a	ITEM 645.61
G	9"x15"	START CROSSING Watch For Vehicles / DON'T START Finish Crossing If Started / TIME REMAINING To Finish Crossing / DON'T CROSS / PUSH BUTTON TO CROSS	R10-3eR	N/A
H	9"x15"	START CROSSING Watch For Vehicles / DON'T START Finish Crossing If Started / TIME REMAINING To Finish Crossing / DON'T CROSS / PUSH BUTTON TO CROSS	R10-3eL	N/A

TABLE OF OPERATIONS

PHASE \ FACE	1	2	3	4	5	6	7	8	A1-A2	B1-B2	C1-C2	D1-D2
	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	88	88	88	88
ϕ2 + ϕ6 + PED A+B	G	G	G	R	R	R	R	R	DW•	DW•	DW	DW
ϕ4 + ϕ8 + PED C+D	R	R	R	G	G	G	G	G	DW	DW	DW•	DW•
FLASH	FR	FR	FR	FR	FR	FR	FR	FR	DARK	DARK	DARK	DARK

• UPON ACTUATION OF PUSH BUTTON, THERE WILL BE A STEADY "MAN" SYMBOL, FOLLOWED BY A FLASHING "HAND" SYMBOL, WITH COUNTDOWN TIMER INITIATED, FOLLOWED BY A STEADY "HAND" SYMBOL.

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TSP-15

Jan 09, 2025 - 1:17pm
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TABLE OF INPUTS 33 THROUGH 64

SIGNAL NO. 5 LAFAYETTE ROAD AT EAST SENECA TURNPIKE

SDLC CHANNEL	FUNCTION	DETECTION ZONE NUMBER	SIZE	REMARKS
33	Φ6	33	6 X 6	SB RIGHT TURN COUNT
34	Φ6	34	6 X 6	SB THRU/LEFT COUNT
35	Φ6	35	6 X 6	SB LEFT TURN COUNT
36	Φ6	36	6 X 60	SB RIGHT TURN PRESENSE
37	Φ6	37	6 X 60	SB THRU PRESENSE
38	Φ8	38	6 X 6	WB RIGHT TURN COUNT
39	Φ8	39	6 X 6	WB THRU COUNT
40	Φ8	40	6 X 6	WB LEFT TURN COUNT
41	Φ8	41	6 X 60	WB PRESENSE
42	Φ2	42	6 X 6	NB RIGHT TURN COUNT
43	Φ2	43	6 X 6	NB THRU COUNT
44	Φ2	44	6 X 6	NB THRU COUNT
45	Φ2	45	6 X 6	NB LEFT TURN COUNT
46	Φ2	46	6 X 60	NB THRU/RIGHT PRESENSE
47	Φ2	47	6 X 60	NB THRU/LEFT PRESENSE
48	Φ4	48	6 X 6	EB RIGHT TURN COUNT
49	Φ4	49	6 X 6	EB THRU COUNT
50	Φ4	50	6 X 6	EB LEFT TURN COUNT
51	Φ4	51	6 X 60	EB PRESENCE
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				

TABLE OF INPUT WIRING

SIGNAL NO. 5 — ONONDAGA COUNTY

FUNCTION	DETECTOR NUMBER	TYPE	TERMINAL BOARD WIRING
PED A (Φ2)	A1, A2	PUSH BUTTON	1A, 1B
PED B (Φ6)	B1, B2	PUSH BUTTON	2A, 2B
PED C (Φ4)	C1, C2	PUSH BUTTON	3A, 3B
PED D (Φ8)	D1, D2	PUSH BUTTON	4A, 4B
			5A, 5B
			6A, 6B
			7A, 7B
			8A, 8B
			9A, 9B
			10A, 10B
			11A, 11B
			12A, 12B

TABLE OF SWITCH PACKS

SIGNAL NO.: 5

INTERSECTION: LAFAYETTE ROAD AT EAST SENECA TURNPIKE — COUNTY: ONONDAGA

SWITCH PACK	FUNCTION	FACE NUMBERS	FLASH PLUG	INDICATIONS	TERMIMNAL WIRING BOARD TERMINAL	WIRE COLORING CODE	
SP 1					SP 1R		
					SP 1Y		
					SP 1G		
				GROUND WIRE	GROUND BUS		
SP 2	Ø2	1, 2	R	R	SP 2R	14/7C-1-R	
				Y	SP 2Y	14/7C-1-O	
				G	SP 2G	14/7C-1-G	
				GROUND WIRE	GROUND BUS	14/7C-1-W	
SP 3					SP 3R		
					SP 3Y		
					SP 3G		
				GROUND WIRE	GROUND BUS		
SP 4	Ø4	5, 6	R	R	SP 6R	14/7C-2-R	
				Y	SP 6Y	14/7C-2-O	
				G	SP 6G	14/7C-2-G	
				GROUND WIRE	GROUND BUS	14/7C-2-W	
SP 5					SP 5R		
					SP 5Y		
					SP 5G		
				GROUND WIRE	GROUND BUS		
SP 6	Ø6	3, 4	R	R	SP 6R	14/7C-3-R	
				Y	SP 6Y	14/7C-3-O	
				G	SP 6G	14/7C-3-G	
				GROUND WIRE	GROUND BUS	14/7C-3-W	
SP 7					SP 7R		
					SP 7Y		
					SP 7G		
				GROUND WIRE	GROUND BUS		
SP 8	Ø8	7, 8	R	R	SP 8R	14/7C-4-R	
				Y	SP 8Y	14/7C-4-O	
				G	SP 8G	14/7C-4-G	
				GROUND WIRE	GROUND BUS	14/7C-4-W	
SP 9					SP 9R		
					SP 9Y		
					SP 9G		
				GROUND WIRE	GROUND BUS		
SP 10					SP 10R		
					SP 10Y		
					SP 10G		
				GROUND WIRE	GROUND BUS		
SP 11					SP 11R		
					SP 11Y		
					SP 11G		
				GROUND WIRE	GROUND BUS		
SP 12					SP 12R		
					SP 12Y		
					SP 12G		
				GROUND WIRE	GROUND BUS		
SP 13	PED A (Ø2)	A1	A2	W	HAND	SP 13R	14/5C-1-R	14/5C-2-R
						SP 13Y		
					MAN	SP 13G	14/5C-1-G	14/5C-2-G
					GROUND WIRE	GROUND BUS	14/5C-1-W	14/5C-2-W
SP 14	PED B (Ø6)	B1	B2	W	HAND	SP 14R	14/5C-3-R	14/5C-4-R
						SP 14Y		
					MAN	SP 14G	14/5C-3-G	14/5C-4-G
					GROUND WIRE	GROUND BUS	14/5C-3-W	14/5C-4-W
SP 15	PED C (Ø4)	C1	C2	W	HAND	SP 15R	14/5C-5-R	14/5C-6-R
						SP 15Y		
					MAN	SP 15G	14/5C-5-G	14/5C-6-G
					GROUND WIRE	GROUND BUS	14/5C-5-W	14/5C-6-W
SP 16	PED D (Ø8)	D1	D2	W	HAND	SP 16R	14/5C-7-R	14/5C-8-R
						SP 16Y		
					MAN	SP 16G	14/5C-7-G	14/5C-8-G
					GROUND WIRE	GROUND BUS	14/5C-7-W	14/5C-8-W

MAST ARM LOADING TABLE

SIGNAL NO. 5 - LAFAYETTE ROAD AT EAST SENECA TURNPIKE — ONONDAGA COUNTY

MAST ARM POLE	ITEM NO.	POLE LOCATION	SIGNAL HEADS	OH SIGNS	HEIGHT (FT)	ARM LENGTH (FT)	*ATTACHMENTS	FOOTING MOMENT (K-FT)	FOOTING TYPE
NE P1	680.621940	STA 63+25.2 37.7' LT	1,2	B, C, E	19	40	*** 2 5-SECTION SIGNAL HEAD * 3 OVERHEAD SIGN 7.5 SF * 1 OVERHEAD SIGN 12 SF 1 OVERHEAD STREET SIGN 17.3 SF	57.3	M3
SE P2	680.621840	STA 64+07.3 38.6' LT	5,6	F	18	40	*** 2 5-SECTION SIGNAL HEAD * 1 OVERHEADSIGN 7.5 SF * 1 OVERHEAD SIGN 12 SF 1 OVERHEAD STREET SIGN 23 SF	51.4	M3
SW P3	680.622034	STA 64+14.3 34.2' RT	3,4	A, B, D, E	20	34	*** 2 5-SECTION SIGNAL HEAD 1 OVERHEAD SIGN 6.3 SF * 3 OVERHEAD SIGN 7.5 SF * 1 OVERHEAD SIGN 12 SF 1 OVERHEAD STREET SIGN 17.3 SF	55.7	M3
NW P4	680.622024	STA 63+52.4 55.5' RT	7,8	--	20	24	*** 2 5-SECTION SIGNAL HEAD * 1 OVERHEAD SIGN 7.5 SF * 1 OVERHEAD SIGN 12 SF	31.4	M1

* ONE ADDITIONAL 7.5 SF AND 12 SF SIGNS ARE INCLUDED BASED ON ANTICIPATED FUTURE LOADING FOR DESIGN PURPOSES ONLY. THE LARGER FUTURE SIGN SHALL BE LOCATED ON THE END OF THE MAST ARM. THE SMALLER FUTURE SIGN SHALL BE LOCATED ON THE MID-SPAN OF THE MAST ARM.

** IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, IN CONJUNCTION WITH THE POLE MANUFACTURER, TO DETERMINE THE ULTIMATE MAST ARM POLE STRENGTH AND FOOTING MOMENT FOR THE POLE'S DESIGN LOADING. THE FOOTING MOMENT FOR THE POLE'S ULTIMATE DESIGN LOADING SHALL BE CALCULATED TO SELECT THE PROPER FOOTING CODE FROM THE STANDARD SHEET 680-01. CALCULATED MOMENT AND FOOTING TYPE SHALL BE RECORDED IN THE SPACE ABOVE FOR THE CONTRACT RECORDS.

*** FOR POLE DESIGN CALCUATION PURPOSES, ALL SIGNAL HEADS SHALL BE DESIGNED AS 5-SECTION HEADS WITH BACKPLATES.

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 190

CHANGES INCLUDE:
1. **REMOVAL OF PREEMPT WIRING INPUT FROM THE "TABLE OF INPUT WIRING".**

KEY FOR WIRE COLOR CODE	
R/BK = WIRE COLOR/TRACER COLOR	
O = ORANGE	BK = BLACK
R = RED	W = WHITE
G = GREEN	BL = BLUE

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2/11/2026

STATE OF NEW YORK · DOUGLAS OWEN STANGER · LICENSED PROFESSIONAL ENGINEER · NO. 073787

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

TRAFFIC SIGNAL PLAN LAFAYETTE RD

TSP-16

SHEET 190R1 OF 241

Feb 16, 2026 - 11:02am
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TABLE OF INPUTS 33 THROUGH 64

SIGNAL NO. 5 LAFAYETTE ROAD AT EAST SENECA TURNPIKE

SDLC CHANNEL	FUNCTION	DETECTION ZONE NUMBER	SIZE	REMARKS
33	Φ6	33	6 X 6	SB RIGHT TURN COUNT
34	Φ6	34	6 X 6	SB THRU/LEFT COUNT
35	Φ6	35	6 X 6	SB LEFT TURN COUNT
36	Φ6	36	6 X 60	SB RIGHT TURN PRESENSE
37	Φ6	37	6 X 60	SB THRU PRESENSE
38	Φ8	38	6 X 6	WB RIGHT TURN COUNT
39	Φ8	39	6 X 6	WB THRU COUNT
40	Φ8	40	6 X 6	WB LEFT TURN COUNT
41	Φ8	41	6 X 60	WB PRESENSE
42	Φ2	42	6 X 6	NB RIGHT TURN COUNT
43	Φ2	43	6 X 6	NB THRU COUNT
44	Φ2	44	6 X 6	NB THRU COUNT
45	Φ2	45	6 X 6	NB LEFT TURN COUNT
46	Φ2	46	6 X 60	NB THRU/RIGHT PRESENSE
47	Φ2	47	6 X 60	NB THRU/LEFT PRESENSE
48	Φ4	48	6 X 6	EB RIGHT TURN COUNT
49	Φ4	49	6 X 6	EB THRU COUNT
50	Φ4	50	6 X 6	EB LEFT TURN COUNT
51	Φ4	51	6 X 60	EB PRESENCE
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				

TABLE OF INPUT WIRING

SIGNAL NO. 5 — ONONDAGA COUNTY

FUNCTION	DETECTOR NUMBER	TYPE	TERMINAL BOARD WIRING
PED A (Φ2)	A1, A2	PUSH BUTTON	1A, 1B
PED B (Φ6)	B1, B2	PUSH BUTTON	2A, 2B
PED C (Φ4)	C1, C2	PUSH BUTTON	3A, 3B
PED D (Φ8)	D1, D2	PUSH BUTTON	4A, 4B
			5A, 5B
			6A, 6B
			7A, 7B
			8A, 8B
			9A, 9B
			10A, 10B
			11A, 11B
			12A, 12B

TABLE OF SWITCH PACKS

SIGNAL NO.: 5

INTERSECTION: LAFAYETTE ROAD AT EAST SENECA TURNPIKE — COUNTY: ONONDAGA

SWITCH PACK	FUNCTION	FACE NUMBERS		FLASH PLUG	INDICATIONS	TERMIMNAL WIRING BOARD TERMINAL	WIRE COLORING CODE	
SP 1						SP 1R		
						SP 1Y		
						SP 1G		
					GROUND WIRE	GROUND BUS		
SP 2	Ø2	1, 2		R	R	SP 2R	14/7C-1-R	
					Y	SP 2Y	14/7C-1-O	
					G	SP 2G	14/7C-1-G	
					GROUND WIRE	GROUND BUS	14/7C-1-W	
SP 3						SP 3R		
						SP 3Y		
						SP 3G		
					GROUND WIRE	GROUND BUS		
SP 4	Ø4	5, 6		R	R	SP 6R	14/7C-2-R	
					Y	SP 6Y	14/7C-2-O	
					G	SP 6G	14/7C-2-G	
					GROUND WIRE	GROUND BUS	14/7C-2-W	
SP 5						SP 5R		
						SP 5Y		
						SP 5G		
					GROUND WIRE	GROUND BUS		
SP 6	Ø6	3, 4		R	R	SP 6R	14/7C-3-R	
					Y	SP 6Y	14/7C-3-O	
					G	SP 6G	14/7C-3-G	
					GROUND WIRE	GROUND BUS	14/7C-3-W	
SP 7						SP 7R		
						SP 7Y		
						SP 7G		
					GROUND WIRE	GROUND BUS		
SP 8	Ø8	7, 8		R	R	SP 8R	14/7C-4-R	
					Y	SP 8Y	14/7C-4-O	
					G	SP 8G	14/7C-4-G	
					GROUND WIRE	GROUND BUS	14/7C-4-W	
SP 9						SP 9R		
						SP 9Y		
						SP 9G		
					GROUND WIRE	GROUND BUS		
SP 10						SP 10R		
						SP 10Y		
						SP 10G		
					GROUND WIRE	GROUND BUS		
SP 11						SP 11R		
						SP 11Y		
						SP 11G		
					GROUND WIRE	GROUND BUS		
SP 12						SP 12R		
						SP 12Y		
						SP 12G		
					GROUND WIRE	GROUND BUS		
SP 13	PED A (Ø2)	A1	A2	W	HAND	SP 13R	14/5C-1-R	14/5C-2-R
						SP 13Y		
					MAN	SP 13G	14/5C-1-G	14/5C-2-G
					GROUND WIRE	GROUND BUS	14/5C-1-W	14/5C-2-W
SP 14	PED B (Ø6)	B1	B2	W	HAND	SP 14R	14/5C-3-R	14/5C-4-R
						SP 14Y		
					MAN	SP 14G	14/5C-3-G	14/5C-4-G
					GROUND WIRE	GROUND BUS	14/5C-3-W	14/5C-4-W
SP 15	PED C (Ø4)	C1	C2	W	HAND	SP 15R	14/5C-5-R	14/5C-6-R
						SP 15Y		
					MAN	SP 15G	14/5C-5-G	14/5C-6-G
					GROUND WIRE	GROUND BUS	14/5C-5-W	14/5C-6-W
SP 16	PED D (Ø8)	D1	D2	W	HAND	SP 16R	14/5C-7-R	14/5C-8-R
						SP 16Y		
					MAN	SP 16G	14/5C-7-G	14/5C-8-G
					GROUND WIRE	GROUND BUS	14/5C-7-W	14/5C-8-W

KEY FOR WIRE COLOR CODE	
R/BK = WIRE COLOR/TRACER COLOR	
O = ORANGE	BK = BLACK
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MAST ARM LOADING TABLE

SIGNAL NO. 5 - LAFAYETTE ROAD AT EAST SENECA TURNPIKE — ONONDAGA COUNTY

MAST ARM POLE	ITEM NO.	POLE LOCATION	SIGNAL HEADS	OH SIGNS	HEIGHT (FT)	ARM LENGTH (FT)	*ATTACHMENTS	FOOTING MOMENT (K-FT)	FOOTING TYPE
NE P1	680.621940	STA 63+25.2 37.7' LT	1,2	B, C, E	19	40	*** 2 5-SECTION SIGNAL HEAD * 3 OVERHEAD SIGN 7.5 SF * 1 OVERHEAD SIGN 12 SF 1 OVERHEAD STREET SIGN 17.3 SF	57.3	M3
SE P2	680.621840	STA 64+07.3 38.6' LT	5,6	F	18	40	*** 2 5-SECTION SIGNAL HEAD * 1 OVERHEADSIGN 7.5 SF * 1 OVERHEAD SIGN 12 SF 1 OVERHEAD STREET SIGN 23 SF	51.4	M3
SW P3	680.622034	STA 64+14.3 34.2' RT	3,4	A, B, D, E	20	34	*** 2 5-SECTION SIGNAL HEAD 1 OVERHEAD SIGN 6.3 SF * 3 OVERHEAD SIGN 7.5 SF * 1 OVERHEAD SIGN 12 SF 1 OVERHEAD STREET SIGN 17.3 SF	55.7	M3
NW P4	680.622024	STA 63+52.4 55.5' RT	7,8	--	20	24	*** 2 5-SECTION SIGNAL HEAD * 1 OVERHEAD SIGN 7.5 SF * 1 OVERHEAD SIGN 12 SF	31.4	M1

* ONE ADDITIONAL 7.5 SF AND 12 SF SIGNS ARE INCLUDED BASED ON ANTICIPATED FUTURE LOADING FOR DESIGN PURPOSES ONLY. THE LARGER FUTURE SIGN SHALL BE LOCATED ON THE END OF THE MAST ARM. THE SMALLER FUTURE SIGN SHALL BE LOCATED ON THE MID-SPAN OF THE MAST ARM.

** IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, IN CONJUNCTION WITH THE POLE MANUFACTURER, TO DETERMINE THE ULTIMATE MAST ARM POLE STRENGTH AND FOOTING MOMENT FOR THE POLE'S DESIGN LOADING. THE FOOTING MOMENT FOR THE POLE'S ULTIMATE DESIGN LOADING SHALL BE CALCULATED TO SELECT THE PROPER FOOTING CODE FROM THE STANDARD SHEET 680-01. CALCULATED MOMENT AND FOOTING TYPE SHALL BE RECORDED IN THE SPACE ABOVE FOR THE CONTRACT RECORDS.

*** FOR POLE DESIGN CALCUATION PURPOSES, ALL SIGNAL HEADS SHALL BE DESIGNED AS 5-SECTION HEADS WITH BACKPLATES.

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1/9/2025

STATE OF NEW YORK — DOUGLAS OWEN STRASSER — LICENSED PROFESSIONAL ENGINEER — NO. 073767

Syracuse New York

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

TRAFFIC SIGNAL PLAN LAFAYETTE RD

TSP-16

Jan 09, 2025 - 1:17pm
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TABLE OF TRAFIC SIGNAL QUANTITIES - LAFAYETTE

ITEM	DESCRIPTION	UNIT	QUANTITY
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF	140
206.05	TEST PIT EXCAVATION	EA	4
619.1613	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT C)	INTM	9
645.61	OVERHEAD SIGN PANELS	SF	57
662.60000408	FURNISHING ELECTRICAL SERVICE	DC	1000
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	1
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	13
680.510301	PULLBOX-CIRCULAR, 24 INCH DIAMETER, REINFORCED CONCRETE	EA	4
680.510401	PULLBOX-CIRCULAR, 30 INCH DIAMETER, REINFORCED CONCRETE	EA	1
680.520706	TRAFFIC SIGNAL CONDUIT,RIGID PLASTIC, CLASS 1 OR 2, 2"	LF	50
680.520708	TRAFFIC SIGNAL CONDUIT,RIGID PLASTIC, CLASS 1 OR 2, 3"	LF	310
680.53	CONDUIT JACKING OR BORING	LF	220
680.621840	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 40 FEET ARM LENGTH	EA	1
680.621940	TRAFFIC SIGNAL POLE, MAST ARM, 19 FEET MOUNTING HEIGHT, 40 FEET ARM LENGTH	EA	1
680.622024	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 24 FEET ARM LENGTH	EA	1
680.622034	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 34 FEET ARM LENGTH	EA	1
680.681001	PEDESTRIAN SIGNAL POLE-BRACKET MOUNT 10 FEET OVERALL POLE HEIGHT STEEL	EA	3
680.700604	RISER ASSEMBLY, 1 1/2" DIAMETER	EA	1
680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG	LF	1,050
680.730714	SIGNAL CABLE 7 CONDUCTORS, 14 AWG	LF	690
680.79000305	REMOVE TRAFFIC SIGNAL INSTALLATION LOCATION 3	ELOC	1
680.80370501	CONTROLLER AND CABINET 4 THROUGH 8 PHASE FULL TRAFFIC ACTUATED (NEMA)	EA	1
680.810101	TRAFFIC SIGNAL MODULE - 12 INCH, RED BALL, LED	EA	8
680.810103	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW BALL, LED	EA	8
680.810105	TRAFFIC SIGNAL MODULE - 12 INCH, GREEN BALL, LED	EA	8
680.810601	TRAFFIC SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EA	24
680.81230008	TRAFFIC SIGNAL BRACKET ASSEMBLY-1 WAY MAST ARM MOUNT (CABLE TYPE)	EA	8
680.813105	PEDESTRIAN SIGNAL MODULE - 12 INCH, BI-MODAL HAND/MAN SYMBOLS, LED	EA	8
680.813106	PEDESTRIAN SIGNAL POLYCARBONATE TYPE 1, 12 INCH	EA	16
680.8151	AUDIBLE PEDESTRIAN SIGNAL	EA	8
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY	EA	8
680.815001	PEDESTRIAN COUNTDOWN TIMER MODULE	EA	8
680.81990003	TRAFFIC SIGNAL BACKPLATES WITH YELLOW REFLECTIVE TAPE	EA	8
680.8205	OVERHEAD SIGN ASSEMBLY, TYPE E	EA	5
680.8223	BREAKAWAY TRANSFORMER BASE	EA	3
680.90920001	ELECTRIC METER SOCKET, 100 AMPERES, SNG PHASE, 120 VOLTSFOR TRAF SIGNAL LIGHT CIRCUITS (NIAGARA MOHAWK POWER CO)	EA	1
680.9499	INSTALL ELECTRICAL DISCONNECT GENERATOR TRANSFER SWITCH	EA	1
680.950106	ELECTRICAL SERVICE CABLE 1 WIRE 6 GAUGE	LF	90

FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 191

CHANGES INCLUDE:

1. **REMOVAL OF ITEM 680.82501009, 680.82505009, 680.82516009, AND 680.82540009.**

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2/11/2026

STATE OF NEW YORK
DOUGLAS OWEN STANDISH
LICENSED PROFESSIONAL ENGINEER
NO. 073787

Syracuse
New York

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

TRAFFIC SIGNAL PLAN LAFAYETTE RD

TSP-17

SHEET 191R1 OF 241

Feb 06, 2026 – 11:02am
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TABLE OF TRAFIC SIGNAL QUANTITIES - LAFAYETTE

ITEM	DESCRIPTION	UNIT	QUANTITY
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680.510401	PULLBOX-CIRCULAR, 30 INCH DIAMETER, REINFORCED CONCRETE	EA	1
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680.520708	TRAFFIC SIGNAL CONDUIT,RIGID PLASTIC, CLASS 1 OR 2, 3"	LF	310
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680.621840	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 40 FEET ARM LENGTH	EA	1
680.621940	TRAFFIC SIGNAL POLE, MAST ARM, 19 FEET MOUNTING HEIGHT, 40 FEET ARM LENGTH	EA	1
680.622024	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 24 FEET ARM LENGTH	EA	1
680.622034	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 34 FEET ARM LENGTH	EA	1
680.681001	PEDESTRIAN SIGNAL POLE-BRACKET MOUNT 10 FEET OVERALL POLE HEIGHT STEEL	EA	3
680.700604	RISER ASSEMBLY, 1 1/2" DIAMETER	EA	1
680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG	LF	1,050
680.730714	SIGNAL CABLE 7 CONDUCTORS, 14 AWG	LF	690
680.79000305	REMOVE TRAFFIC SIGNAL INSTALLATION LOCATION 3	ELOC	1
680.80370501	CONTROLLER AND CABINET 4 THROUGH 8 PHASE FULL TRAFFIC ACTUATED (NEMA)	EA	1
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680.813106	PEDESTRIAN SIGNAL POLYCARBONATE TYPE 1, 12 INCH	EA	16
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680.815001	PEDESTRIAN COUNTDOWN TIMER MODULE	EA	8
680.81990003	TRAFFIC SIGNAL BACKPLATES WITH YELLOW REFLECTIVE TAPE	EA	8
680.8205	OVERHEAD SIGN ASSEMBLY, TYPE E	EA	5
680.8223	BREAKAWAY TRANSFORMER BASE	EA	3
680.82501009	PREEMPT SYSTEM OPTICAL DETECTOR - SINGLE CHANNEL,ONE DIRECTION (MAST ARM)	EA	1
680.82505009	PREEMPT SYSTEM OPTICAL DETECTOR - DUAL CHANNEL, TWO DIRECTION (MAST ARM)	EA	1
680.82516009	PREEMPT SYSTEM - TYPE 3 PHASE SELECTOR - 4 CHANNELS	EA	1
680.82540009	PREEMPT SYSTEM - DETECTOR CABLE - SHIELDED,3 CONDUCTOR WITHSTRANDED GROUND, AWG #20	LF	220
680.90920001	ELECTRIC METER SOCKET, 100 AMPERES, SNG PHASE, 120 VOLTSFOR TRAF SIGNAL LIGHT CIRCUITS (NIAGARA MOHAWK POWER CO	EA	1
680.9499	INSTALL ELECTRICAL DISCONNECT GENERATOR TRANSFER SWITCH	EA	1
680.950106	ELECTRICAL SERVICE CABLE 1 WIRE 6 GAUGE	LF	90

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRAUSBAUGH
LICENSED PROFESSIONAL ENGINEER
NO. 077367

Syracuse
New York

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

TRAFFIC SIGNAL PLAN LAFAYETTE RD

TSP-17

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FIELD REVISION SHEET
THIS SHEET SUPERSEDES SHEET NO. 192

CHANGES INCLUDE:
1. ADDING BREAKAWAY TRANSFORMER BASES TO THE THE LIGHT POLES.

HIGHWAY LIGHTING TABLE

ITEM 206.03 - CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION
ITEM 670.0108 - FOUNDATION FOR LIGHT STANDARDS, 8 FEET LONG
ITEM 670.01101202 - LED HIGHWAY LUMINAIRE - 10-135 WATTS, TYPE III DISTRIBUTION, GRAY
ITEM 670.01112202 - LED HIGHWAY LUMINAIRE - 136-180 WATTS, TYPE IV DISTRIBUTION, GRAY
ITEM 670.1530 - ALUMINUM LIGHT STANDARDS FOR SINGLE DAVIT ARM, 30 FEET MOUNTING HEIGHT
ITEM 670.1715 - ALUMINUM DAVIT ARM, 15 FEET LONG
ITEM 670.19 - BREAKAWAY TRANSFORMER BASE (ALUMINUM)
ITEM 670.2602 - RIGID PLASTIC CONDUIT, 2"
ITEM 670.3001 - PULLBOXES LESS THAN 5 CUBIC FEET, INSIDE VOLUME (LIGHTING)
ITEM 670.7004 - SINGLE CONDUCTOR CABLE, NUMBER 6 GAGE
ITEM 670.7501 - GROUND WIRE NO. 6 AWG
ITEM 670.80 - REMOVE AND STORE LAMPPOST ASSEMBLY

LIGHT NUMBER	STATION	OFFSET	WATTS	IES TYPE	ITEM 206.03 (LF)	ITEM 670.0108 (EA)	ITEM 670.01101202 (EA)	ITEM 670.01112202 (EA)	ITEM 670.1530 (EA)	ITEM 670.1715 (EA)	ITEM 670.19 (EA)	ITEM 670.2602 (LF)	ITEM 670.3001 (EA)	ITEM 670.7004 (LF) (SEE NOTE 2)	ITEM 670.7501 (LF) (SEE NOTE 2)	ITEM 670.80 (EA)
LP-1	51+18	48.0 RT	102	3	6	1	1		1	1	1	6	1	12	6	1
LP-2	52+95	40.3 RT	106	4	7	1		1	1	1	1	7	1	14	7	1
LP-3	54+72	40.0 RT	106	4	18	1		1	1	1	1	18	1	36	18	1
				TOTAL	31	3	1	2	3	3	3	31	3	62	31	3

NOTES:
1. EXISTING LAMPOSTS TO BE RETURNED TO CITY OF SYRACUSE DPW. CONCTRACTOR TO COORDINATE PICKUP WITH STREET LIGHTING MANAGER KEN TOWSLEY AT (315) 448-8681.
2. SPLICED CONNECTION AT THE HANDHOLE SHALL MATCH GUAGE OF THE EXISTING FEED WIRES FROM THE UTILITY POLE.

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1/23/2026

STATE OF NEW YORK
DOUGLAS OWEN STANGBERT
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NO. 073787

Syracuse
New York

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LIGHTING TABLE

LTG-01
SHEET 192R1 OF 241

Jan 23, 2026 - 3:53pm
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HIGHWAY LIGHTING TABLE

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ITEM 670.01101202 - LED HIGHWAY LUMINAIRE - 10-135 WATTS, TYPE III DISTRIBUTION, GRAY
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LIGHT NUMBER	STATION	OFFSET	WATTS	IES TYPE	ITEM 206.03 (LF)	ITEM 670.0108 (EA)	ITEM 670.01101202 (EA)	ITEM 670.01112202 (EA)	ITEM 670.1530 (EA)	ITEM 670.1715 (EA)	ITEM 670.2602 (LF)	ITEM 670.3001 (EA)	ITEM 670.7004 (LF) (SEE NOTE 2)	ITEM 670.7501 (LF) (SEE NOTE 2)	ITEM 670.80 (EA)
LP-1	51+18	48.0 RT	102	3	6	1	1		1	1	6	1	12	6	1
LP-2	52+95	40.3 RT	106	4	7	1		1	1	1	7	1	14	7	1
LP-3	54+72	40.0 RT	106	4	18	1		1	1	1	18	1	36	18	1
				TOTAL	31	3	1	2	3	3	31	3	62	31	3

NOTES:
1. EXISTING LAMPOSTS TO BE RETURNED TO CITY OF SYRACUSE DPW. CONCTRACTOR TO COORDINATE PICKUP WITH STREET LIGHTING MANAGER KEN TOWSLEY AT (315) 448-8681.
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1/9/2025

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NO. 073767

Syracuse
New York

D040386

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THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
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PIN 3756.80

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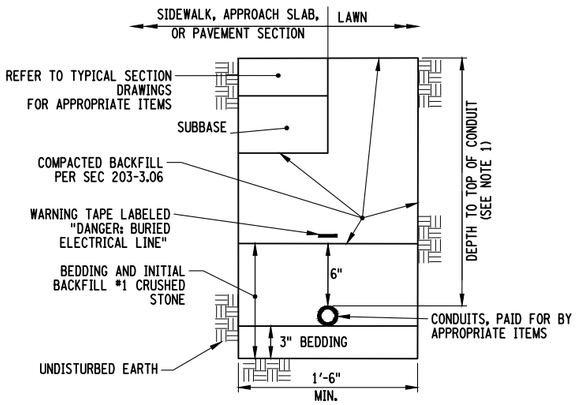
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LIGHTING TABLE

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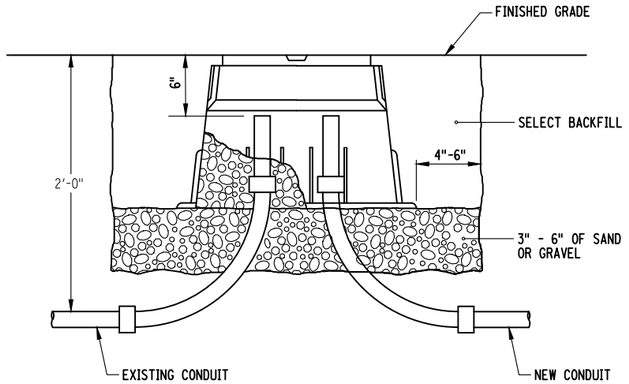


CONDUIT EXCAVATION AND BACKFILL
ITEM 206.03

NOT TO SCALE

CONDUIT NOTES:

1. DEPTH SHALL BE 3'-0" WITHIN TRAVELWAY AREAS AND UNDER LANDSCAPING AREAS AND 2'-0" FOR ALL OTHERS AREAS.
2. WHERE MULTIPLE CONDUITS ARE PLACED WITHIN SAME TRENCH, A MINIMUM OF 3" SHALL BE MAINTAINED BETWEEN CONDUITS.
3. REFER TO NYSDOT STANDARD SHEET 680-04 FOR ADDITIONAL DETAILS.

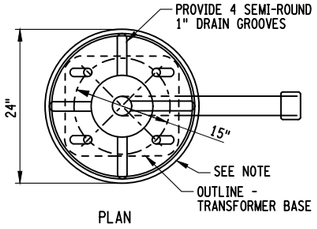


HANDHOLE INSTALLATION
ITEM 670.3001

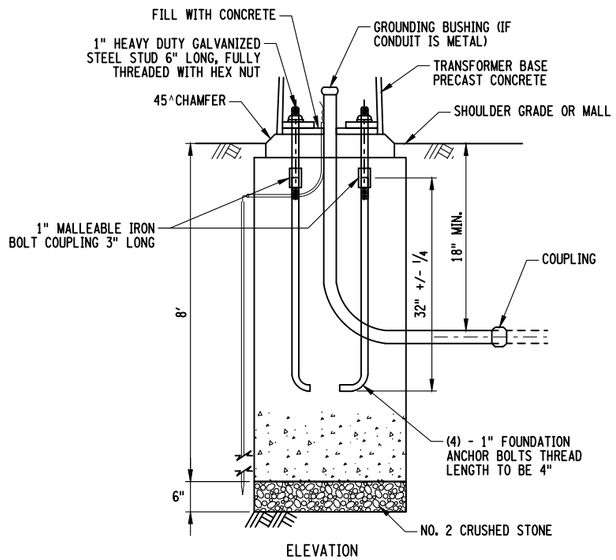
NOT TO SCALE

HANDHOLE NOTES:

1. PLACE 3 TO 6 INCHES OF SAND OR GRAVEL IN BOTTOM OF EXCAVATION (AOBE).
2. IF NECESSARY, USE CONDUIT EXENSION AND COUPLING TO EXTEND EXISTING CONDUIT TO FINISHED GRADE.



PLAN



ELEVATION

HIGHWAY STYLE LIGHT POLE FOUNDATION
ITEM 670.0108

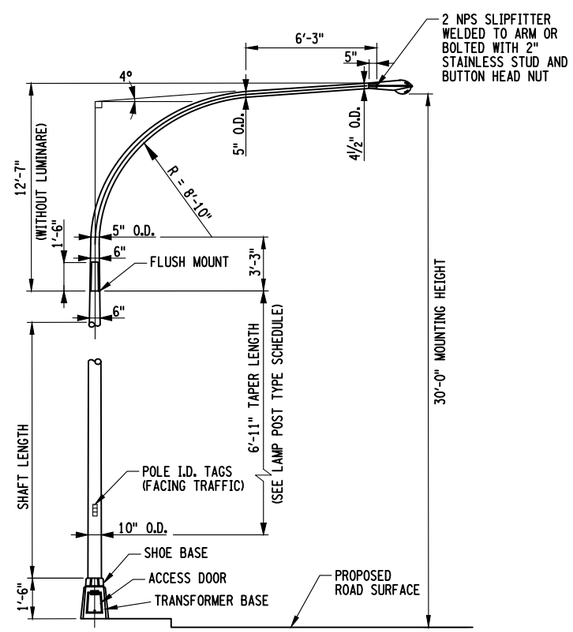
NOT TO SCALE

FOUNDATION NOTES:

1. THE PRECAST LAMPPOST FOUNDATION DETAIL IS A RECOMMENDED DESIGN. OTHER DESIGNS FOR PRECAST LAMPPOST FOUNDATIONS MEETING THE FOLLOWING CRITERIA WILL ALSO BE CONSIDERED UPON SUBMITTAL OF SHOP DRAWINGS AND CALCULATIONS. MOMENT TO RESIST:

   30' POLE - 11,065 LB \ FT

2. TORQUE TO RESIST: 1035 LB \ FT - MINIMUM COVER REINFORCEMENT: 2"
3. INSTEAD OF THE LEG AT THE BOTTOM OF EACH ANCHOR BOLT, THE CONTRACTOR MAY USE 3 FLAT WASHERS SANDWICHED BETWEEN TWO HEAVY HEX NUTS TO DEVELOP THE FULL STRENGTH OF THE ANCHOR BOLTS.
4. THE FOUNDATION SHALL MEET THE REQUIREMENTS OF SECTION 723-45 OF THE STANDARD SPECIFICATIONS AND SHALL BE CONSTRUCTED BY A MONOLITHIC PLACEMENT OF CONCRETE, EXCEPT FOR THE PRECAST CAP OR SQUARE FORMED SECTION.
5. THE FOUNDATION SHALL BE CONSTRUCTED ACCORDING TO THE REQUIREMENTS OF SECTION 670-3.04 OF THE STANDARD SPECIFICATIONS.
6. THE CONTRACTOR SHALL CAP CONDUIT ELBOWS WHERE CONDUIT IS INSTALLED BY OTHERS. GROUNDING BUSHING SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR INSTALLING LAMPPOST.
7. ALL LAMPPOSTS SHALL BE GROUNDED EITHER THROUGH THE METAL CONDUIT, BURIED GROUNDWIRE IN TRENCH, OR VERTICAL GROUNDROD. SEE STANDARD SHEET TITLED "PULLBOX CONDUIT AND GROUND ROD INSTALLATION DETAILS" FOR ADDITIONAL GROUNDING NOTES AND DETAILS.
8. IF TOP OF FOUNDATION IS FORMED SQUARE, THE PRECAST CAP SHALL BE SQUARE.
9. PAYMENT FOR EXCAVATION, LABOR, PIPE, TILE, FRAME AND COVER IS TO BE INCLUDED AS PART OF THE FOUNDATION ITEM.



TRANSFORMER BASE MOUNTED STANDARD HIGHWAY LIGHT POLE AND DAVIT ARM
ITEMS 670.1530 & 670.1715

NOT TO SCALE

LIGHT FIXTURE NOTES:

2. THE ROADWAY STYLE FIXTURES DESIGN MAKE IS THE AMERICAN ELECTRIC LIGHTING (AEL) AUTOBAHN LED SERIES WITH MULTI-VOLT 120-277V, WATTAGE AND DISTRIBUTION TYPE VARIES (REFER TO HIGHWAY LIGHTING TABLE), 3000K CCT, (MINIMUM 70 CRI), 20KV/10KA SURGE PROTECTION, DIMMABLE, 7-PIN PHOTOCONTROL RECEPTACLE WITH SHORTING CAP, 304 BUG RATING, AND DLC QUALIFIED.

   THE FIXTURES SHALL HAVE REMOTE MONITORING AND DIMMING CONTROL. THE CONTRACTORS SHALL INSTALL A CIMCON ISLC-3100-7P-C LIGHTING CONTROLLER THAT IS FURNISHED BY THE CITY OF SYRACUSE. TURN SHORTING CAP OVER TO THE CITY OF SYRACUSE ONCE THE REMOTE MONITORING AND DIMMING CONTROLS ARE FUNCTIONAL. ALL COSTS SHALL BE INCLUDED UNDER THE RESPECTIVE LIGHTING ITEMS 670.01100202 AND 670.01112202.

   POLE SHALL BE A 30 FT DAVIT ARM STYLE WITH A 15 FT ARM.

3. PROVIDE INSULATED IN-LINE SPLICE KIT FOR EACH CONDUCTOR. SPLICE KIT SHALL ACCEPT #12 TO #2/0 CONDUCTORS WITH TWO CONDUCTORS IN AND TWO CONDUCTORS OUT. SPLICE KIT SHALL BE LOCATED SO THAT IT IS ACCESSIBLE FROM THE POLE BASE DOOR OPENING. THE COST OF SPLICE KITS ARE TO BE INCLUDED UNDER THE PRICE BID FOR THE RESPECTIVE POLE ITEM.
4. LIGHTING SUBMITTALS SHALL INCLUDE AN IES FILE FOR EACH FIXTURE. SEPARATE FILES SHALL BE PROVIDED FOR EACH WATTAGE AND DISTRIBUTION TYPE SPECIFIED.
5. PROVIDE 3-#6 AWG CONDUCTORS FRO ALL LIGHTING CIRCUITS, UNLESS NOTED OTHERWISE. SPLICE #6 AWG CONDUCTORS TO #10 AWG CONDUCTORS IN POLE BASE AND CONTINUE #10 AWG CONDUCTORS UP POLE TO FIXTURE. THE COST OF #10 AWG CONDUCTOR CABLE SHALL BE INCLUDED UNDER THE PRICE BID FOR THE RESPECTIVE POLE ITEM.
6. COORDINATE ALL WORK WITH NATIONAL GRID AND THE CITY OF SYRACUSE REPRESENTATIVES.

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1/9/2025

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Syracuse NEW YORK

D040386

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THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

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LIGHTING DETAILS

LTG-02

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TEXT NUMBER	LOCATION NUMBER	ITEM NUMBER	PAYMENT FACTOR	TOTAL QUANTITY	TEXT WxH (in)	M.U.T.C.D. NUMBER	MOUNT
1	1-1 13-2 1-8 13-5 2-3 17-3 2-4 17-5 4-2 19-6 4-3 22-1 5-1 22-2 6-1 23-2 6-2 23-3 7-1 24-1 8-1 24-2 8-2 25-2 8-4 25-3 9-3 26-2 10-4 26-3 11-2 27-2 11-3 27-3 12-4 12-5	645.5101	1.5 SF	55.5 SF	NO STOPPING ANY TIME ⟷ 12"X18"	NYP1-7	GROUND MOUNTED
	37 TOTAL	645.81	1 EA	37 EA			
2	1-3	645.5102	5.0 SF 4.0 SF	10.0 SF 8.0 SF	12"X60" E Brighton Ave B-B Thurber St B-B 12"X48"	D3-1 D3-1	GROUND MOUNTED
	1 TOTAL	645.81	2 EA	2 EA			
3	1-4	645.5102	4.0 SF	4.0 SF	24"X24"	R5-2	GROUND MOUNTED
	1 TOTAL	645.81	1 EA	1 EA			
4	1-6 9-4 3-6 16-4 7-2 16-5	645.5101	1.5 SF	9.0 SF	NO STOPPING ANY TIME ⟷ 12"X18" SNOW EMERGENCY ROUTE 24"X18"	R7-4 NYR7-10	GROUND MOUNTED
	6 TOTAL						
	1-6 9-4 3-6 16-5 7-2	645.5101	3.0 SF	18.0 SF			
	5 TOTAL	645.81	1 EA	5 EA			
	16-4	645.85	2 EA	2 EA			BAND MOUNTED
	1 TOTAL						
5	1-7 15-2 3-2 18-2 10-2 19-5 12-2	SEE NOTE 5	N/A	N/A		N/A	GROUND MOUNTED
	7 TOTAL	645.81	1 EA	7 EA			
6	1-9 15-7 19-3 20-6 27-1	645.52010110	6.3 SF	31.5 SF	30"X30" IN LANE 24"X18"	W11-1 NYW5-32P	GROUND MOUNTED
			3.0 SF	15.0 SF			
	5 TOTAL	645.81	1 EA	5 EA			
7	3-4 14-3 15-3 18-6 25-1 27-4	645.5102	7.5 SF	45.0 SF	CITY SPEED LIMIT 30 30"X36"	NYR2-4	GROUND MOUNTED
	6 TOTAL	645.81	1 EA	6 EA			
8	8-3	645.5102	5.0 SF 4.5 SF	10.0 SF 9.0 SF	12"X60" E Brighton Ave B-B Ivy Ridge Rd B-B 12"X54"	D3-1 D3-1	GROUND MOUNTED
	1 TOTAL	645.81	2 EA	2 EA			

TEXT NUMBER	LOCATION NUMBER	ITEM NUMBER	PAYMENT FACTOR	TOTAL QUANTITY	TEXT WxH (in)	M.U.T.C.D. NUMBER	MOUNT
9	10-3 16-1	645.5102	6.3 SF	12.6 SF	STOP 30"X30"	R1-1	GROUND MOUNTED
	2 TOTAL	645.81	1 EA	2 EA			
10	9-1	645.5102	5.0 SF 7.0 SF	10.0 SF 14.0 SF	12"X60" E Brighton Ave B-B Newbury Hollow Ln B-B 12"X84"	D3-1 D3-1	GROUND MOUNTED
	1 TOTAL	645.81	2 EA	2 EA			
11	10-1	645.5102	5.0 SF 3.0 SF	10.0 SF 6.0 SF	12"X60" E Brighton Ave B-B Ball Cir B-B 12"X36"	D3-1 D3-1	GROUND MOUNTED
	1 TOTAL	645.81	2 EA	2 EA			
12	15-5	645.5101	3.0 SF	3.0 SF	SNOW EMERGENCY ROUTE 24"X18"	NYR7-10	GROUND MOUNTED
	1 TOTAL	645.81	1 EA	1 EA			
13	16-6	645.5102	3.0 SF 1.5 SF	3.0 SF 1.5 SF	BIKE LANE 24"X18" AHEAD 24"X9"	R3-17 R3-17bP	GROUND MOUNTED
	1 TOTAL	645.81	1 EA	1 EA			
14	17-1 17-4	645.5102	7.5 SF	15.0 SF	SPEED LIMIT 25 30"X36"	R2-1	GROUND MOUNTED
	2 TOTAL	645.81	1 EA	2 EA			
15	16-9 18-13	645.5101	1.5 SF	3.0 SF	B-B 12"X18" KEEP LEFT RIGHT WRONG WAY 12"X18"	R9-7p R5-1b	GROUND MOUNTED
			1.5 SF	3.0 SF			
	2 TOTAL	645.81	1 EA	2 EA			

NOTES:

1. SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL RELOCATION EXISTING SIGNS AND INSTALL NEW SIGNS IN ACCORDANCE WITH THE NATION MUTCD AND NYS SUPPLEMENT.
2. THE PAYMENT FACTORS FOR SIGNS ARE FROM THE APPLICABLE STANDARD SHEETS OR SIGN FACE LAYOUTS.
3. THE PAYMENT FACTOR FOR THE POSTS IS THE NUMBER OF POSTS PROVIDED PER INSTALLATION.
4. THE TOTAL PAYMENT QUANTITY IS OBTAINED BY MULTIPLYING THE NUMBER OF LOCATIONS BY THE PAYMENT FACTOR.
5. CONTRACTOR TO INSTALL SIGN POST ONLY. CITY OF SYRACUSE TO PROVIDE AND INSTALL SIGN.

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
645.5101	GROUND-MOUNTED SIGN PANELS WITHOUT Z-BARS	SF
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITH Z-BARS	SF
645.52010110	GROUND-MOUNTED SIGN PANELS WITH HIGH VISIBILITY SHEETING AND NON-RETROREFLECTIVE SHEETING WITHOUT Z-BARS	SF
645.81	TYPE A SIGN POSTS	EA
645.85	POLE MOUNTED SIGN SUPPORT SYSTEM (BAND MOUNTED)	EA

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SIGN TEXT DATA SHEET

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TEXT NUMBER	LOCATION NUMBER	ITEM NUMBER	PAYMENT FACTOR	TOTAL QUANTITY	TEXT WxH (in)	M.U.T.C.D. NUMBER	MOUNT
16	17-6	645.5102	2.2 SF	2.2 SF	JCT 173 21"X15" 30"X24"	M2-1 NYM3-2	GROUND MOUNTED
			5.0 SF	5.0 SF			
	1 TOTAL	645.81	1 EA	1 EA			
17	18-10	645.5102	9.0 SF	9.0 SF	SPEED LIMIT 25 36"X36"	W3-5	GROUND MOUNTED
	1 TOTAL	645.81	1 EA	1 EA			
18	18-11	645.5102	2.0 SF	4.0 SF	EAST 173 WEST 173 24"X12" 30"X24"	M3-2 NYM3-2	GROUND MOUNTED
			5.0 SF	10.0 SF			
			2.2 SF	4.4 SF	21"X15"	M6-3/ M5-1R	
			4.0 SF	4.0 SF	24"X24"	D9-2	
			2.2 SF	2.2 SF			
	1 TOTAL	645.81	2 EA	2 EA	21"X15"	M5-1R	
19	19-4	645.5102	6.3 SF	6.3 SF	RIGHT LANE MUST TURN RIGHT 30"X30"	R3-7R	GROUND MOUNTED
	1 TOTAL	645.81	1 EA	1 EA			
20	20-1	645.5102	2.0 SF	4.0 SF	24"X12" EAST WEST 24"X12" 30"X24" 173 173 30"X24"	M3-2 NYM3-2	GROUND MOUNTED
			5.0 SF	10.0 SF			
			2.2 SF	4.4 SF	21"X15" 21"X15"	M6-3/ M6-1R	
			4.0 SF	4.0 SF	24"X24"	D9-2	
			2.2 SF	2.2 SF			
	1 TOTAL	645.81	2 EA	2 EA	21"X15"	M6-1Rc	
21	20-3	645.5102	2.0 SF	2.0 SF	EAST 173 24"X12" 30"X24"	M3-2 NYM3-2	GROUND MOUNTED
			5.0 SF	5.0 SF			
			2.2 SF	2.2 SF	21"X15"	M6-1R	
	1 TOTAL	645.81	1 EA	1 EA			

TEXT NUMBER	LOCATION NUMBER	ITEM NUMBER	PAYMENT FACTOR	TOTAL QUANTITY	TEXT WxH (in)	M.U.T.C.D. NUMBER	MOUNT
22	20-5	645.5102	2.0 SF	2.0 SF	WEST 173 24"X12" 30"X24"	M3-2 NYM3-2	GROUND MOUNTED
			5.0 SF	5.0 SF			
			2.2 SF	2.2 SF	21"X15"	M6-1L	
	1 TOTAL	645.81	1 EA	1 EA			
23	21-1	645.5102	2.0 SF	2.0 SF	EAST 173 24"X12" 30"X24"	M3-2 NYM3-2	GROUND MOUNTED
			5.0 SF	5.0 SF			
			2.2 SF	2.2 SF	21"X15"	M5-1R	
		645.81	1 EA	1 EA			
24	22-4	645.5102	2.0 SF	2.0 SF	WEST 173 24"X12" 30"X24"	M3-2 NYM3-2	GROUND MOUNTED
			5.0 SF	5.0 SF			
			2.2 SF	2.2 SF	21"X15"	M5-1	
	1 TOTAL	645.81	1 EA	1 EA			
25	22-7	645.5102	2.0 SF	4.0 SF	24"X12" WEST EAST 24"X12" 30"X24" 173 173 30"X24"	M3-2 NYM3-2	GROUND MOUNTED
			5.0 SF	10.0 SF			
			2.2 SF	4.4 SF	21"X15" 21"X15"	M5-1L/ M5-1R	
	1 TOTAL	645.81	1 EA	1 EA			
26	25-4	645.5102	6.3 SF	6.3 SF	30"X30"	W3-3	GROUND MOUNTED
	1 TOTAL	645.81	1 EA	1 EA			
27	27-5	645.5102	8.8 SF	8.8 SF	City of Syracuse 42"x30"	NYI12-2a	GROUND MOUNTED
		645.81	1 EA	1 EA			

NOTES:

1. SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL RELOCATION EXISTING SIGNS AND INSTALL NEW SIGNS IN ACCORDANCE WITH THE NATION MUTCD AND NYS SUPPLEMENT.
2. THE PAYMENT FACTORS FOR SIGNS ARE FROM THE APPLICABLE STANDARD SHEETS OR SIGN FACE LAYOUTS.
3. THE PAYMENT FACTOR FOR THE POSTS IS THE NUMBER OF POSTS PROVIDED PER INSTALLATION.
4. THE TOTAL PAYMENT QUANTITY IS OBTAINED BY MULTIPLYING THE NUMBER OF LOCATIONS BY THE PAYMENT FACTOR.
5. CONTRACTOR TO INSTALL SIGN POST ONLY. CITY OF SYRACUSE TO PROVIDE AND INSTALL SIGN.

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
645.5101	GROUND-MOUNTED SIGN PANELS WITHOUT Z-BARS	SF
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITH Z-BARS	SF
645.52010110	GROUND-MOUNTED SIGN PANELS WITH HIGH VISIBILITY SHEETING AND NON-RETROREFLECTIVE SHEETING WITHOUT Z-BARS	SF
645.81	TYPE A SIGN POSTS	EA
645.85	POLE MOUNTED SIGN SUPPORT SYSTEM (BAND MOUNTED)	EA

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499 Col Eileen Collins Blvd,
Syracuse, NY 13212
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1/9/2025

STATE OF NEW YORK DOUGLAS OWEN STRAWSER LICENSED PROFESSIONAL ENGINEER NO. 073767

Syracuse

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

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SIGN TEXT DATA SHEET

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TEXT NUMBER	LOCATION NUMBER	ITEM NUMBER	PAYMENT FACTOR	TOTAL QUANTITY	TEXT WxH (in)	M.U.T.C.D. NUMBER	MOUNT
28	22-11	645.5102	2.0 SF	2.0 SF	 24"X12" 30"X24"	M3-2 NYM3-2	GROUND MOUNTED
			5.0 SF	5.0 SF			
	1 TOTAL	645.81	1 EA	1 EA			
29	19-1	645.5101	1.5 SF	1.5 SF	12"X18" 	NYP1-7	GROUND MOUNTED
			1.5 SF	1.5 SF			
			1.5 SF	1.5 SF		R9-5	
		645.81	1 EA	1 EA	12"X18"  12"X18" B-B	R5-1b	
	1 TOTAL						
30	20-7	645.5101	1.5 SF	1.5 SF	B-B  12"X18" 12"X18"	R9-5	GROUND MOUNTED
			1.5 SF	1.5 SF			
		645.81	1 EA	1 EA		R5-1b	
	1 TOTAL						
31	2-1 6-3 6-4 12-1	645.5102	6.0 SF	24.0 SF	 24"X36"	R3-9b	GROUND MOUNTED
		645.81	1 EA	4 EA			
	4 TOTAL						

NOTES:

1. SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL RELOCATION EXISTING SIGNS AND INSTALL NEW SIGNS IN ACCORDANCE WITH THE NATION MUTCD AND NYS SUPPLEMENT.
2. THE PAYMENT FACTORS FOR SIGNS ARE FROM THE APPLICABLE STANDARD SHEETS OR SIGN FACE LAYOUTS.
3. THE PAYMENT FACTOR FOR THE POSTS IS THE NUMBER OF POSTS PROVIDED PER INSTALLATION.
4. THE TOTAL PAYMENT QUANTITY IS OBTAINED BY MULTIPLYING THE NUMBER OF LOCATIONS BY THE PAYMENT FACTOR.
5. CONTRACTOR TO INSTALL SIGN POST ONLY. CITY OF SYRACUSE TO PROVIDE AND INSTALL SIGN.

ITEM NO.	DESCRIPTION	UNIT OF PAYMENT
645.5101	GROUND-MOUNTED SIGN PANELS WITHOUT Z-BARS	SF
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITH Z-BARS	SF
645.52010110	GROUND-MOUNTED SIGN PANELS WITH HIGH VISIBILITY SHEETING AND NON-RETROREFLECTIVE SHEETING WITHOUT Z-BARS	SF
645.81	TYPE A SIGN POSTS	EA
645.85	POLE MOUNTED SIGN SUPPORT SYSTEM (BAND MOUNTED)	EA

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STATE OF NEW YORK DOUGLAS OWEN STRAUSER LICENSED PROFESSIONAL ENGINEER NO. 073707

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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EXISTING SIGN REMOVAL AND RELOCATION TABLE

ITEM 645.81 - TYPE A SIGN POSTS
ITEM 647.31 - RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SF)
ITEM 647.51 - REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SQUARE FEET)
ITEM 647.61 - REMOVE AND DISPOSE OF GROUND MOUNTED TYPE A SIGN SUPPORTS AND FOUNDATION SIZE I (UNDER 30 SF)

LOCATION NUMBER	STATION	SIDE	ITEM 645.81 (EA)	ITEM 647.31 (EA)	ITEM 647.51 (EA)	ITEM 647.61 (EA)
THURBER ST TO AINSLEY DR (SPM-01 TO SPM-15)						
1-1	10+02	RT			1	1
1-2	10+44	RT			1	1
1-3	T 5+37	LT			4	1
1-4	T 5+62	RT			1	
1-5	T 5+85	LT	1	1		1
1-6	11+79	RT			2	1
2-2	13+45	RT			1	1
3-1	14+51	RT	1	2		2
3-3	15+31	RT	1	1		
3-4	15+34	RT			1	2
3-5	15+38	RT			1	1
3-6	16+12	LT			2	1
4-1	17+01	RT			1	1
5-1	19+99	RT			1	1
7-1	23+75	RT			1	1
7-2	24+05	LT			2	1
8-1	25+81	RT			1	1
8-3	26+44	LT			4	1
8-4	26+53	LT			1	1
9-4	29+72	RT			2	1
10-1	30+86	LT			4	1
10-3	30+95	LT			1	1
11-1	32+93	LT			1	1
12-3	35+00	LT	1	1		
12-6	36+38	RT			1	1
12-7	36+38	RT	1	2		
13-1	37+59	RT			1	1
13-3	37+91	LT			1	1
13-4	38+23	LT	1	2		
13-6	38+50	LT	1	1		
14-1	A 6+08	RT			1	1
14-2	A 6+08	RT			1	
14-3	A 6+08	RT			1	1
15-1	38+72	LT			2	1
15-4	39+63	LT			1	1
15-5	39+63	LT			1	
15-6	40+21	LT	1	1		
		SUBTOTAL	8	11	43	30

EXISTING SIGN REMOVAL AND RELOCATION TABLE (CONTINUED)

ITEM 645.81 - TYPE A SIGN POSTS
ITEM 647.31 - RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SF)
ITEM 647.51 - REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SQUARE FEET)
ITEM 647.61 - REMOVE AND DISPOSE OF GROUND MOUNTED TYPE A SIGN SUPPORTS AND FOUNDATION SIZE I (UNDER 30 SF)

LOCATION NUMBER	STATION	SIDE	ITEM 645.81 (EA)	ITEM 647.31 (EA)	ITEM 647.51 (EA)	ITEM 647.61 (EA)
BRIGHTON TOWER TO CITY LIMIT (SPM-16 TO SPM-27)						
16-1	50+73	LT			1	1
16-2	50+78	LT			3	1
16-3	51+22	LT			1	
16-4	51+29	LT			2	1
16-7	52+28	LT			1	1
16-8	52+35	LT			2	1
17-2	52+83	RT	1	1		
17-3	53+29	LT			1	1
18-1	55+26	LT			1	1
18-3	55+44	RT			2	1
18-4	55+44	LT			2	1
18-5	55+49	LT			1	1
18-6	56+02	RT			1	1
18-7	56+59	RT	1	1		
18-8	56+69	LT			1	1
18-9	56+69	LT			1	1
18-12	57+26	RT			2	1
19-2	57+64	LT			2	1
20-2	60+14	RT			1	1
20-3	S 4+46	RT			3	1
20-4	S 4+65	RT			1	1
22-3	63+10	RT	1	1		
22-5	63+23	RT			2	1
22-6	63+59	LT			1	1
22-8	64+13	LT			1	1
22-9	64+17	LT		1	3	1
23-1	64+86	LT	1	1		
23-2	65+52	RT			1	1
24-3	68+85	LT			1	1
25-1	69+59	LT			1	1
26-1	72+02	LT			1	1
26-4	73+17	RT			1	1
27-4	75+12	LT			1	1
		SUBTOTAL	4	5	42	28
		TOTAL	12	16	85	58

NOTE:
1. STATIONING FOR RELOCATED SIGNS REFERS TO THE PROPOSED SIGN LOCATION.

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRAUSER
LICENSED PROFESSIONAL ENGINEER
NO. 077367

Syracuse
NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO: 119.429.001
DATE: JANUARY 2025
DRAWN BY: DJB
DESIGNED BY: DJB
CHECKED BY: DOS

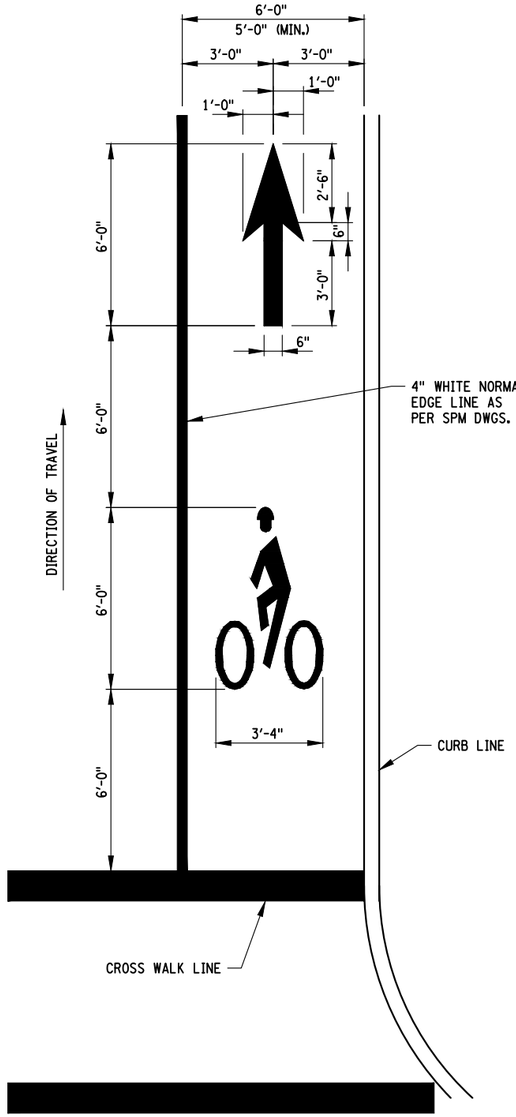
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SIGN REMOVAL AND RELOCATION TABLES

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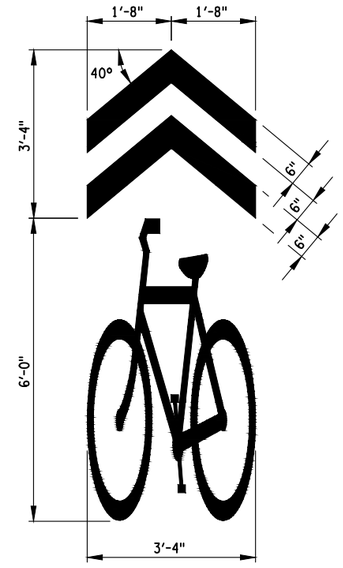


ARROW PAID AS ONE SYMBOL, ITEM 685.3404.

BICYCLE PAID AS ONE SYMBOL, ITEM 685.3404.

BICYCLE LANE MARKING DETAIL

NOT TO SCALE



CHEVRON PAID AS 14 LF OF ITEM 685.3404.

BICYCLE PAID AS ONE SYMBOL, ITEM 685.3404.

SHARED USE LANE MARKING DETAIL

NOT TO SCALE

BICYCLE MARKING TABLE

ITEM 685.3104 - WHITE EPOXY REFLECTORIZED PAVEMENT SPECIAL STRIPES -20 MIL PORTABLE/HAND APPLICATION

ITEM 685.3404 - WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS - 20 MILS PORTABLE/HAND APPLICATION

STATION	SIDE	MARKING TYPE	ITEM 685.3104 (LF)	ITEM 685.3404 (EA)
THURBER ST TO AINSLEY DR (SPM-01 TO SPM-15)				
12+06	RT	SHARED LANE	14	1
13+95	LT	SHARED LANE	14	1
14+05	RT	SHARED LANE	14	1
15+95	LT	SHARED LANE	14	1
16+05	RT	SHARED LANE	14	1
17+95	LT	SHARED LANE	14	1
18+05	RT	SHARED LANE	14	1
19+95	LT	SHARED LANE	14	1
20+05	RT	SHARED LANE	14	1
21+95	LT	SHARED LANE	14	1
22+05	RT	SHARED LANE	14	1
23+95	LT	SHARED LANE	14	1
24+05	RT	SHARED LANE	14	1
25+95	LT	SHARED LANE	14	1
26+05	RT	SHARED LANE	14	1
27+66	LT	SHARED LANE	14	1
27+76	RT	SHARED LANE	14	1
29+94	LT	SHARED LANE	14	1
30+04	RT	SHARED LANE	14	1
31+95	LT	SHARED LANE	14	1
32+05	RT	SHARED LANE	14	1
34+26	LT	SHARED LANE	14	1
34+36	RT	SHARED LANE	14	1
36+61	LT	SHARED LANE	14	1
36+71	RT	SHARED LANE	14	1
38+41	LT	SHARED LANE	14	1
38+51	RT	SHARED LANE	14	1
	LT	SHARED LANE	14	1
	RT	SHARED LANE	14	1
		SUBTOTAL	406	29

BICYCLE MARKING TABLE (CONTINUED)

ITEM 685.3104 - WHITE EPOXY REFLECTORIZED PAVEMENT SPECIAL STRIPES -20 MIL PORTABLE/HAND APPLICATION

ITEM 685.3404 - WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS - 20 MILS PORTABLE/HAND APPLICATION

STATION	SIDE	MARKING TYPE	ITEM 685.3104 (LF)	ITEM 685.3404 (EA)
BRIGHTON TOWERS TO CITY LIMIT (SPM-16 TO SPM-27)				
50+98	RT	BICYCLE LANE		1
51+34	LT	BICYCLE LANE		2
52+99	LT	SHARED LANE	14	1
53+08	RT	BICYCLE LANE		1
54+79	RT	BICYCLE LANE		1
55+00	LT	SHARED LANE	14	1
55+95	RT	BICYCLE LANE		1
56+21	LT	SHARED LANE	14	1
57+59	RT	BICYCLE LANE		1
57+78	LT	SHARED LANE	14	1
59+64	RT	BICYCLE LANE		1
59+81	LT	SHARED LANE	14	1
61+47	LT	SHARED LANE	14	1
61+56	RT	SHARED LANE	14	1
62+83	LT	SHARED LANE	14	1
62+93	RT	SHARED LANE	14	1
64+37	LT	SHARED LANE	14	1
64+46	RT	SHARED LANE	14	1
66+83	LT	SHARED LANE	14	1
66+92	RT	SHARED LANE	14	1
69+33	LT	SHARED LANE	14	1
69+42	RT	SHARED LANE	14	1
71+83	LT	SHARED LANE	14	1
71+91	RT	SHARED LANE	14	1
73+96	LT	SHARED LANE	14	1
74+04	RT	SHARED LANE	14	1

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1/9/2025

STATE OF NEW YORK * DOUGLAS OWEN STRAUSBAUGH * LICENSED PROFESSIONAL ENGINEER * NO. 073767

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE

DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

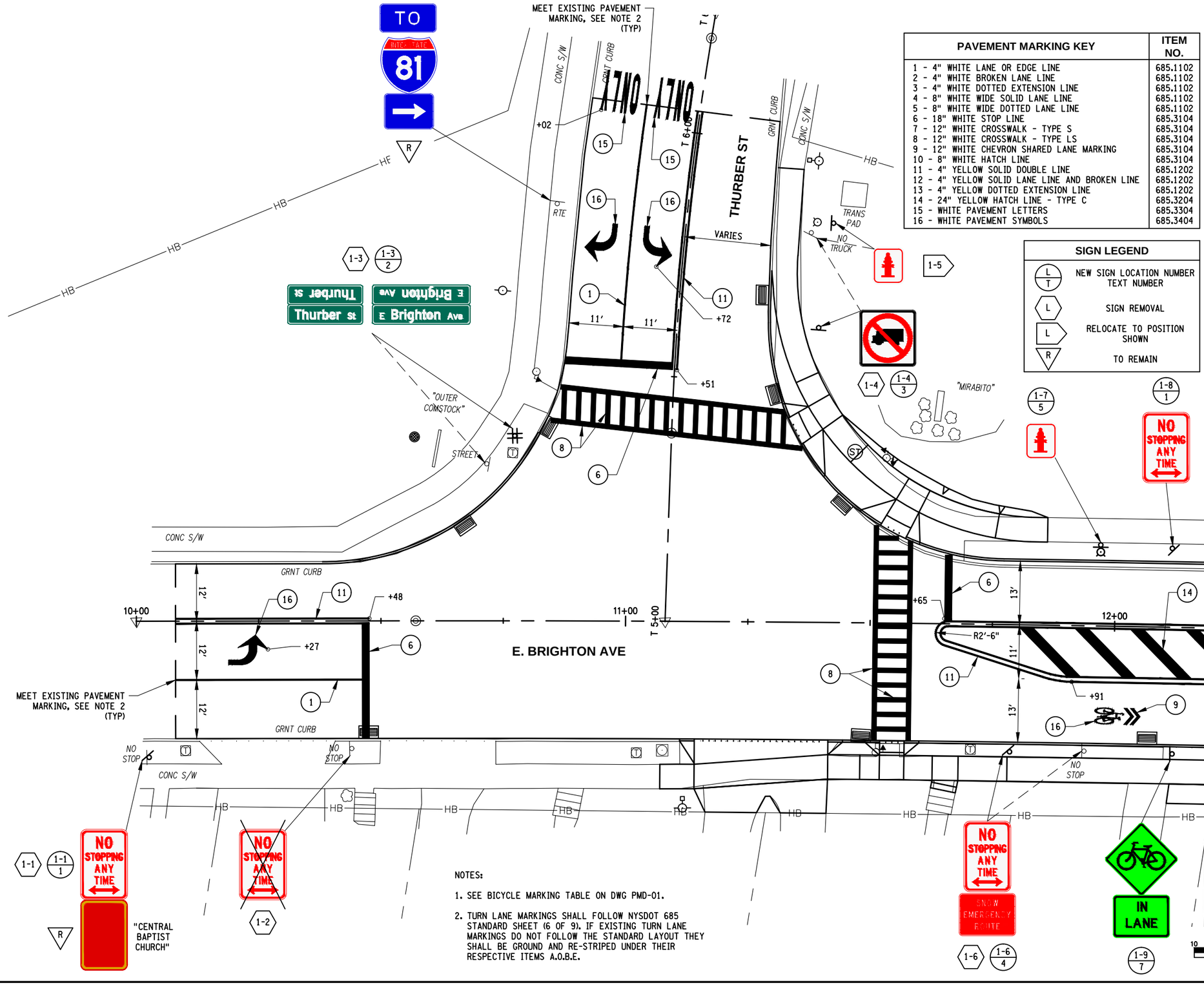
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PAVEMENT MARKING TABLE AND DETAILS

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PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
6 - 18" WHITE STOP LINE	685.3104
7 - 12" WHITE CROSSWALK - TYPE S	685.3104
8 - 12" WHITE CROSSWALK - TYPE LS	685.3104
9 - 12" WHITE CHEVRON SHARED LANE MARKING	685.3104
10 - 8" WHITE HATCH LINE	685.3104
11 - 4" YELLOW SOLID DOUBLE LINE	685.1202
12 - 4" YELLOW SOLID LANE LINE AND BROKEN LINE	685.1202
13 - 4" YELLOW DOTTED EXTENSION LINE	685.1202
14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO POSITION SHOWN
R	TO REMAIN

NOTES:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.
2. TURN LANE MARKINGS SHALL FOLLOW NYSDOT 685 STANDARD SHEET (6 OF 9). IF EXISTING TURN LANE MARKINGS DO NOT FOLLOW THE STANDARD LAYOUT THEY SHALL BE GROUND AND RE-STRIPED UNDER THEIR RESPECTIVE ITEMS A.O.B.E.

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1/9/2025

STATE OF NEW YORK · DOUGLAS OWEN STRAUSER · LICENSED PROFESSIONAL ENGINEER · NO. 073767

Syracuse NEW YORK

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

D040386

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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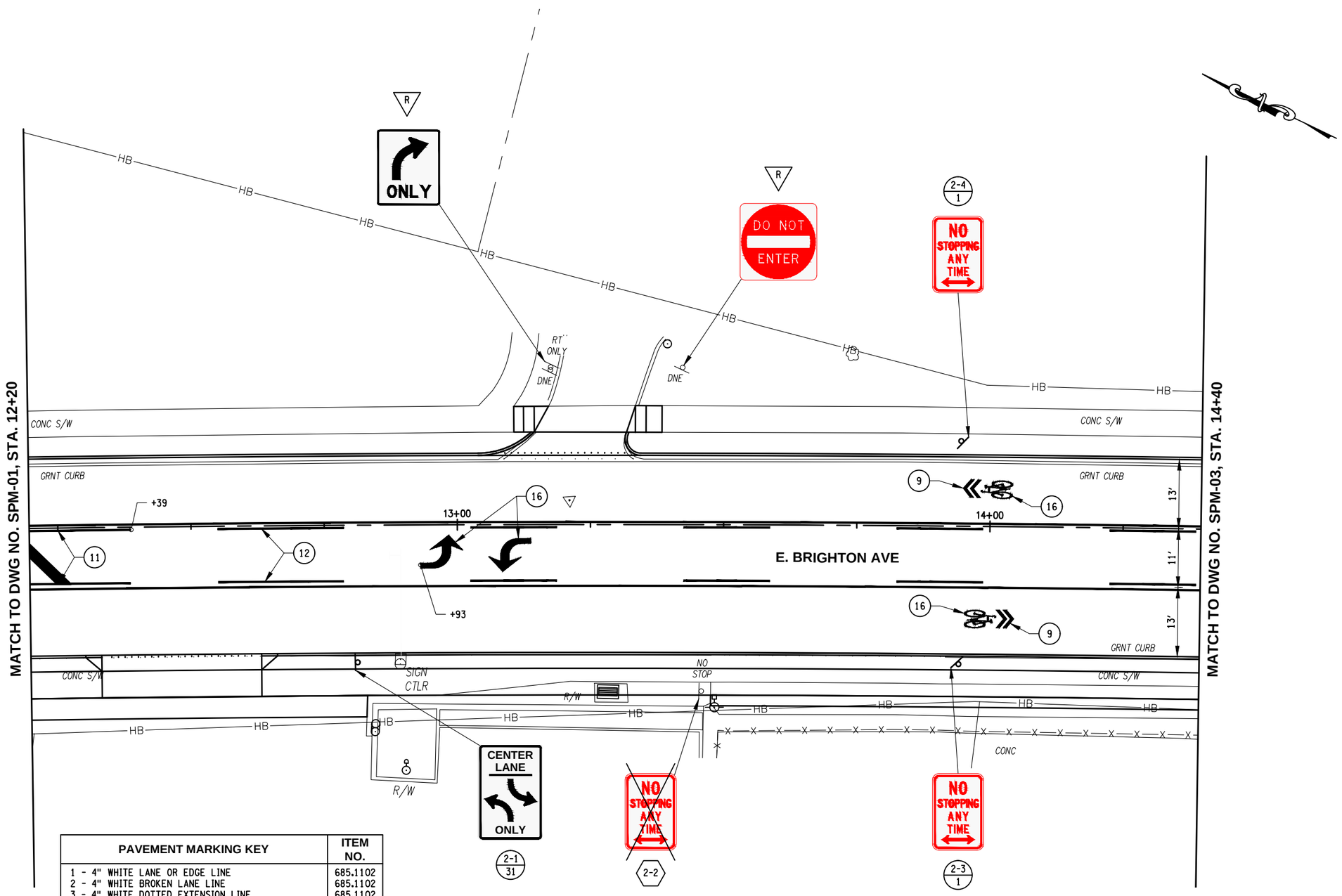
SIGN AND PAVEMENT MARKING PLAN

SPM-01

199 of 241

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PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
6 - 18" WHITE STOP LINE	685.3104
7 - 12" WHITE CROSSWALK - TYPE S	685.3104
8 - 12" WHITE CROSSWALK - TYPE LS	685.3104
9 - 12" WHITE CHEVRON SHARED LANE MARKING	685.3104
10 - 8" WHITE HATCH LINE	685.3104
11 - 4" YELLOW SOLID DOUBLE LINE	685.1202
12 - 4" YELLOW SOLID LANE LINE AND BROKEN LINE	685.1202
13 - 4" YELLOW DOTTED EXTENSION LINE	685.1202
14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

SIGN LEGEND

L / T	NEW SIGN LOCATION NUMBER / TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO POSITION SHOWN
R	TO REMAIN

NOTE:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

10 0 10 20

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1/9/2025

STATE OF NEW YORK · DOUGLAS OWEN STRASSER · LICENSED PROFESSIONAL ENGINEER · NO. 073767

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

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DRAWN BY:	DJB
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CHECKED BY:	DOS

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SIGN AND PAVEMENT MARKING PLAN

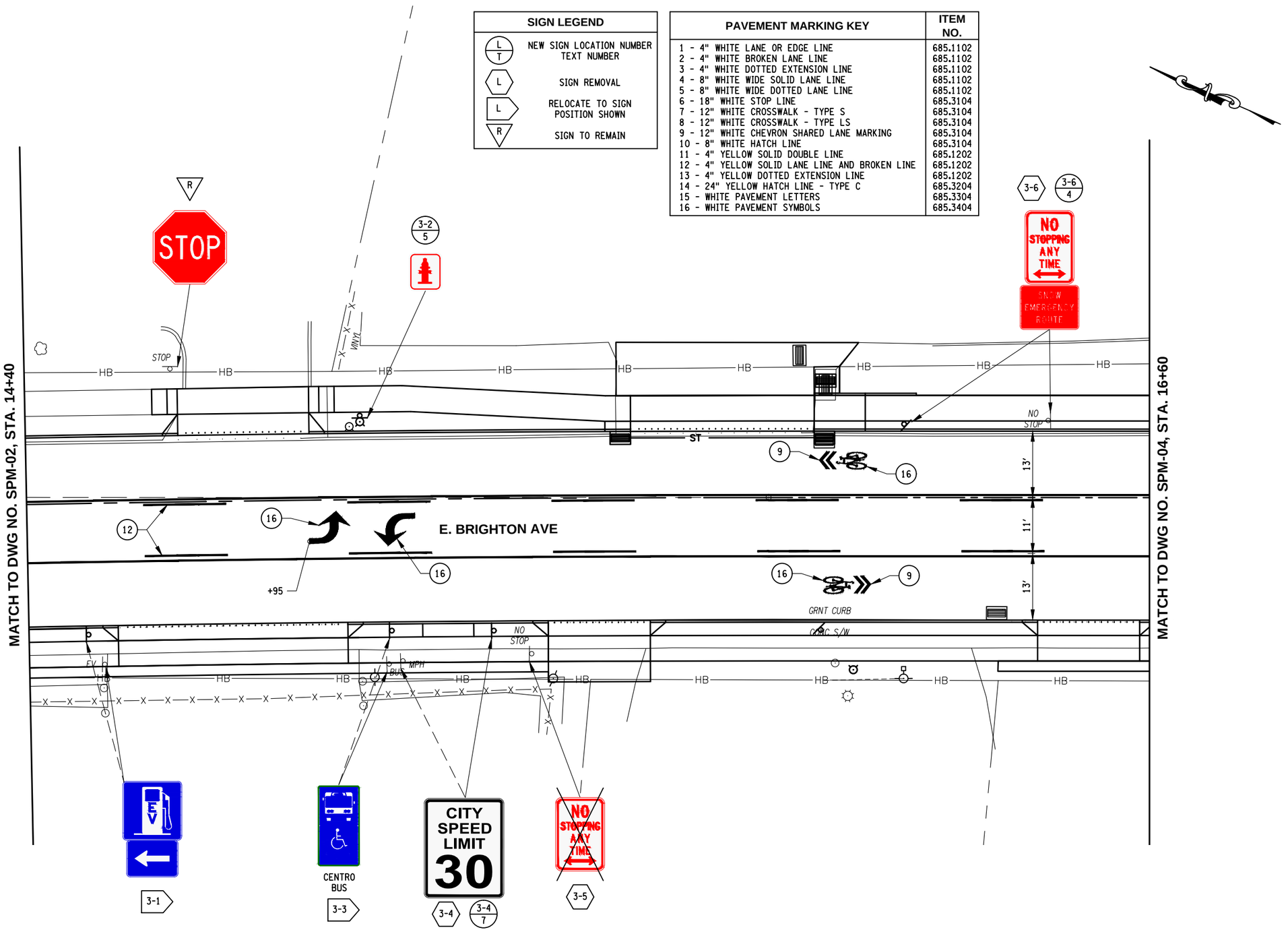
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SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO SIGN POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
6 - 18" WHITE STOP LINE	685.3104
7 - 12" WHITE CROSSWALK - TYPE S	685.3104
8 - 12" WHITE CROSSWALK - TYPE LS	685.3104
9 - 12" WHITE CHEVRON SHARED LANE MARKING	685.3104
10 - 8" WHITE HATCH LINE	685.3104
11 - 4" YELLOW SOLID DOUBLE LINE	685.1202
12 - 4" YELLOW SOLID LANE LINE AND BROKEN LINE	685.1202
13 - 4" YELLOW DOTTED EXTENSION LINE	685.1202
14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404



NOTE:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

10 0 10 20

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Syracuse New York

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

D040386

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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SIGN AND PAVEMENT MARKING PLAN

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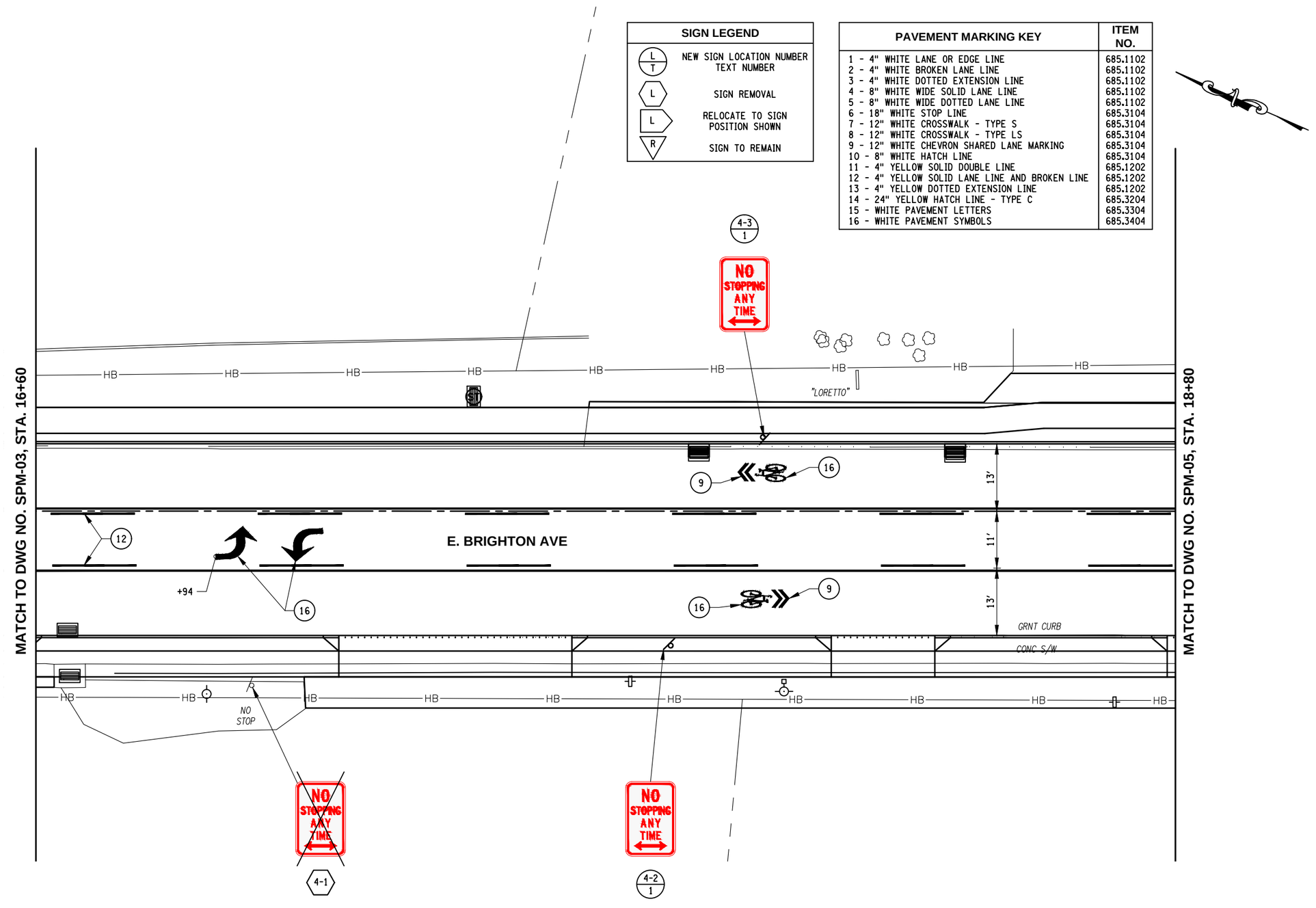
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SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO SIGN POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
6 - 18" WHITE STOP LINE	685.3104
7 - 12" WHITE CROSSWALK - TYPE S	685.3104
8 - 12" WHITE CROSSWALK - TYPE LS	685.3104
9 - 12" WHITE CHEVRON SHARED LANE MARKING	685.3104
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11 - 4" YELLOW SOLID DOUBLE LINE	685.1202
12 - 4" YELLOW SOLID LANE LINE AND BROKEN LINE	685.1202
13 - 4" YELLOW DOTTED EXTENSION LINE	685.1202
14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404



NOTE:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

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SIGN AND PAVEMENT MARKING PLAN

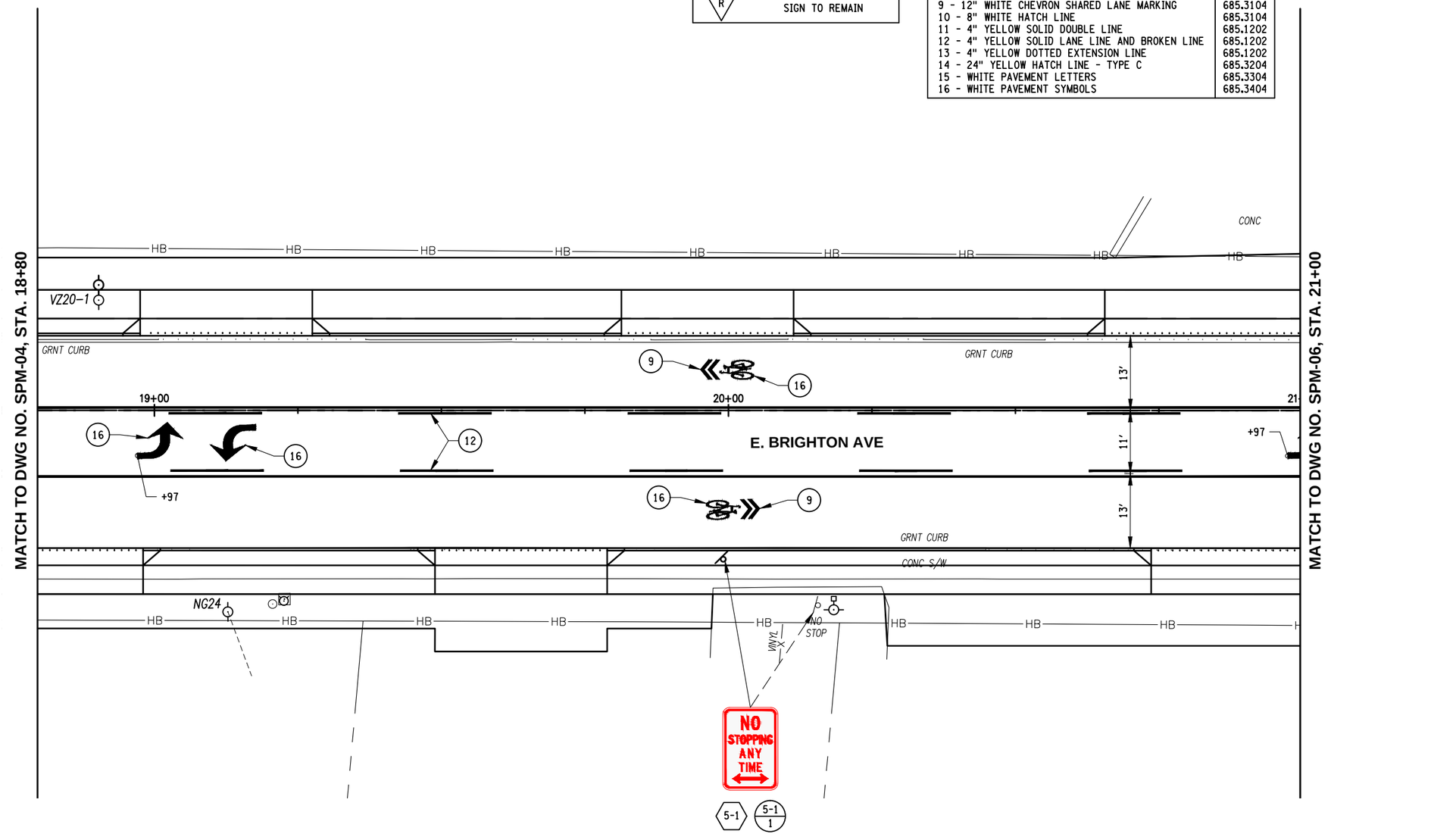
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SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO SIGN POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
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14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404



NOTE:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

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D040386

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CITY OF SYRACUSE
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SIGN AND PAVEMENT MARKING PLAN

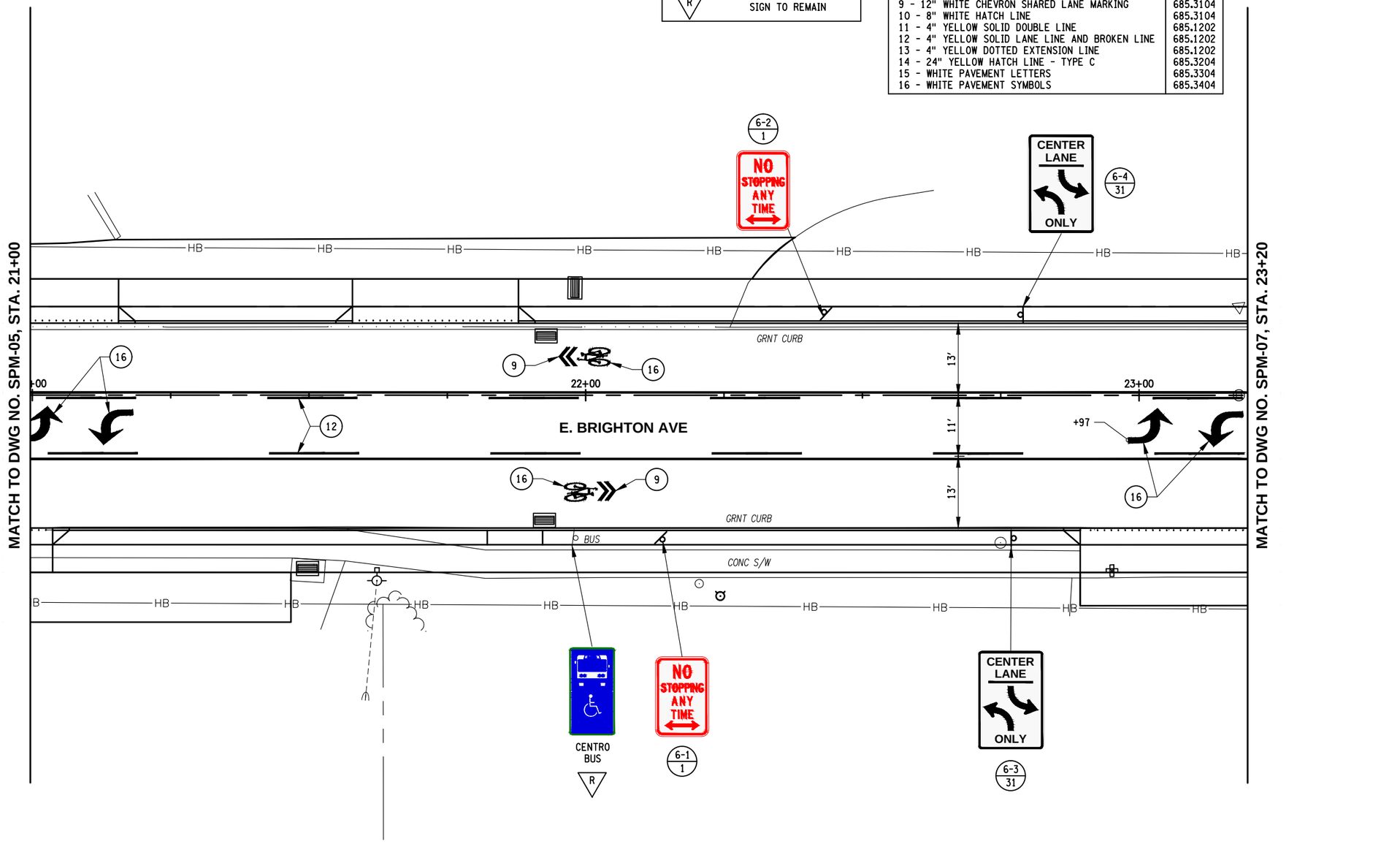
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SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO SIGN POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
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14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404



NOTE:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

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EAST BRIGHTON AVENUE 2R PAVING PROJECT

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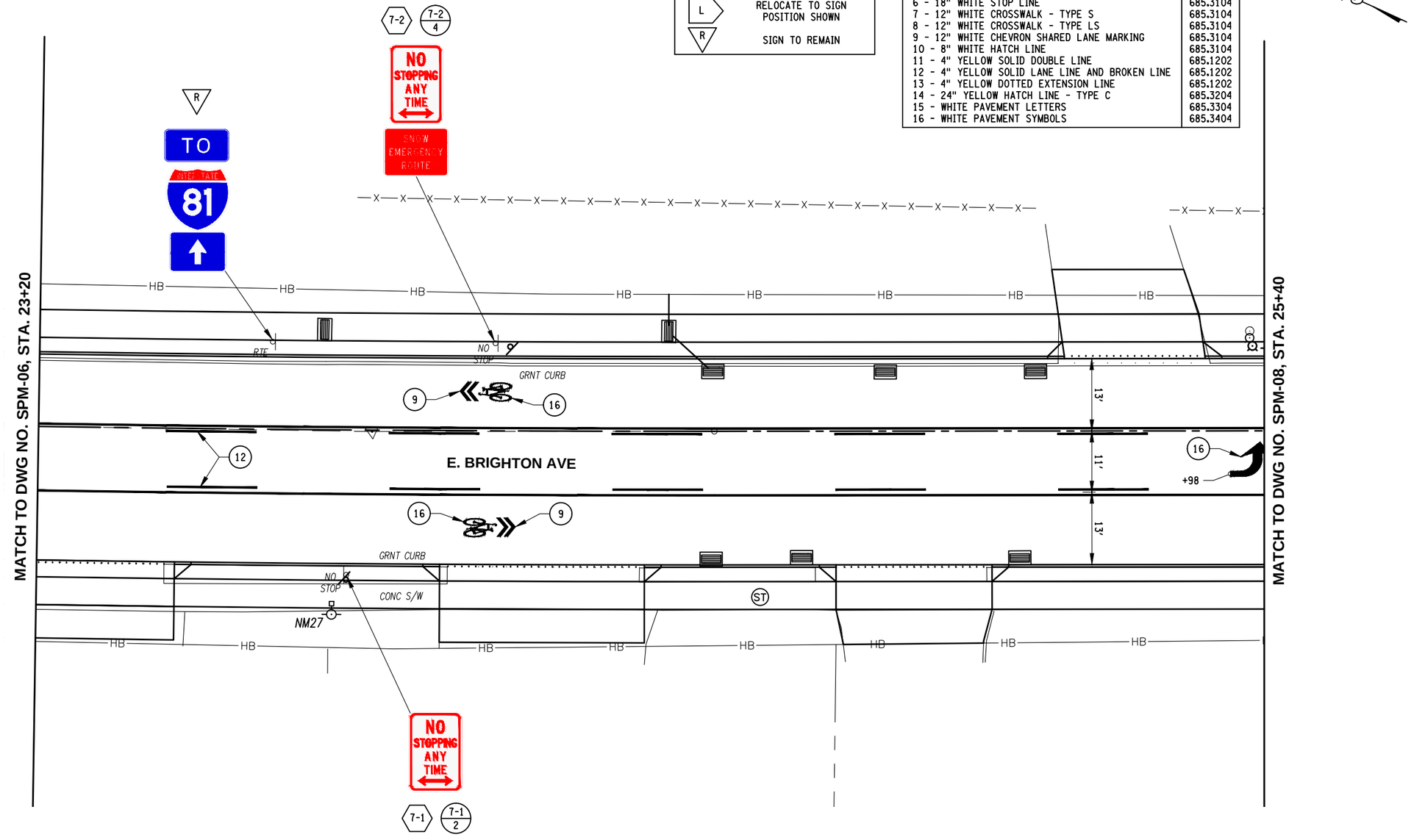
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SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO SIGN POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
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8 - 12" WHITE CROSSWALK - TYPE LS	685.3104
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14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404



NOTE:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

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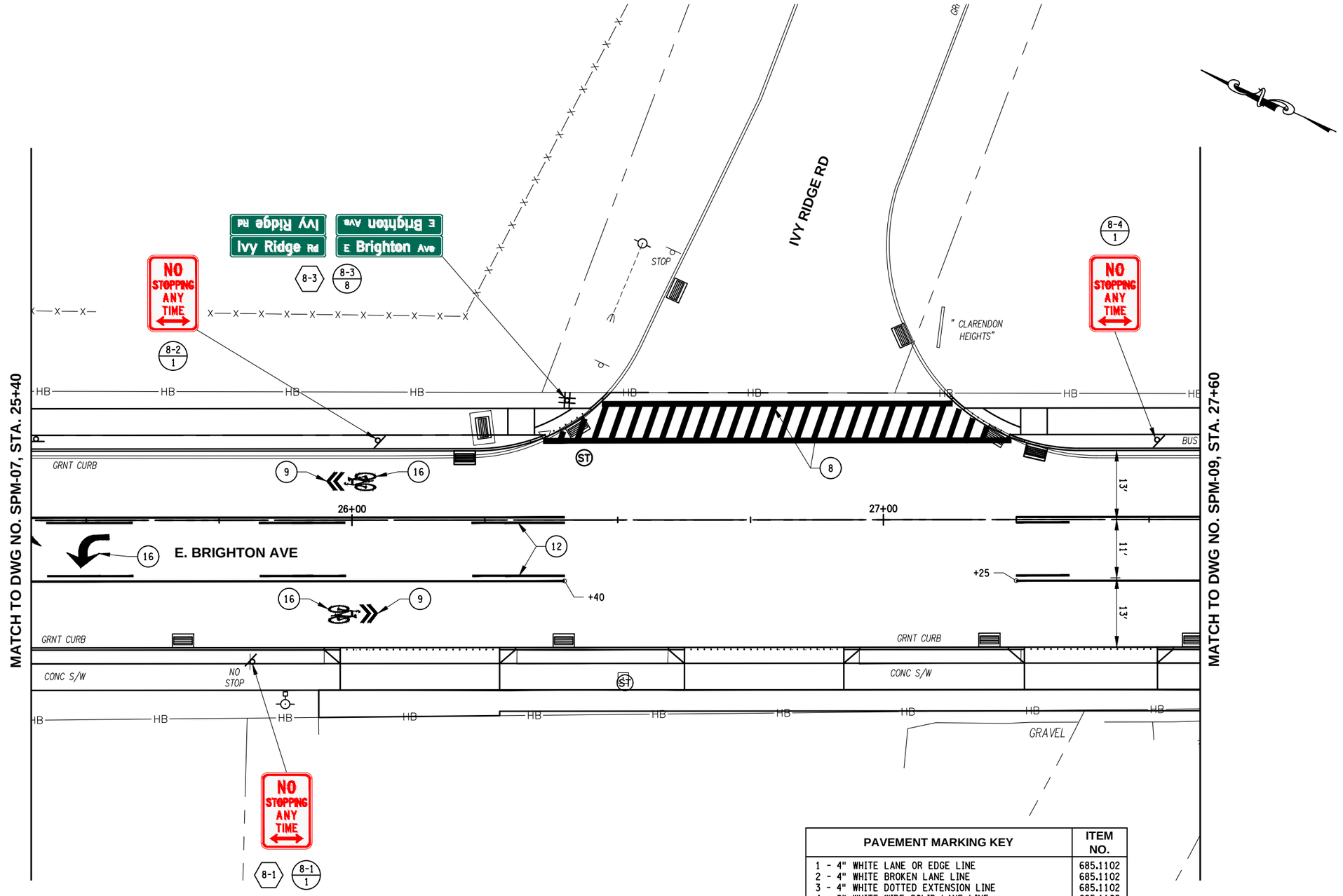
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SIGN AND PAVEMENT MARKING PLAN

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SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO SIGN POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
6 - 18" WHITE STOP LINE	685.3104
7 - 12" WHITE CROSSWALK - TYPE S	685.3104
8 - 12" WHITE CROSSWALK - TYPE LS	685.3104
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13 - 4" YELLOW DOTTED EXTENSION LINE	685.1202
14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

NOTE:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

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THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
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PROJECT NO:	119.429.001
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SIGN AND PAVEMENT MARKING PLAN

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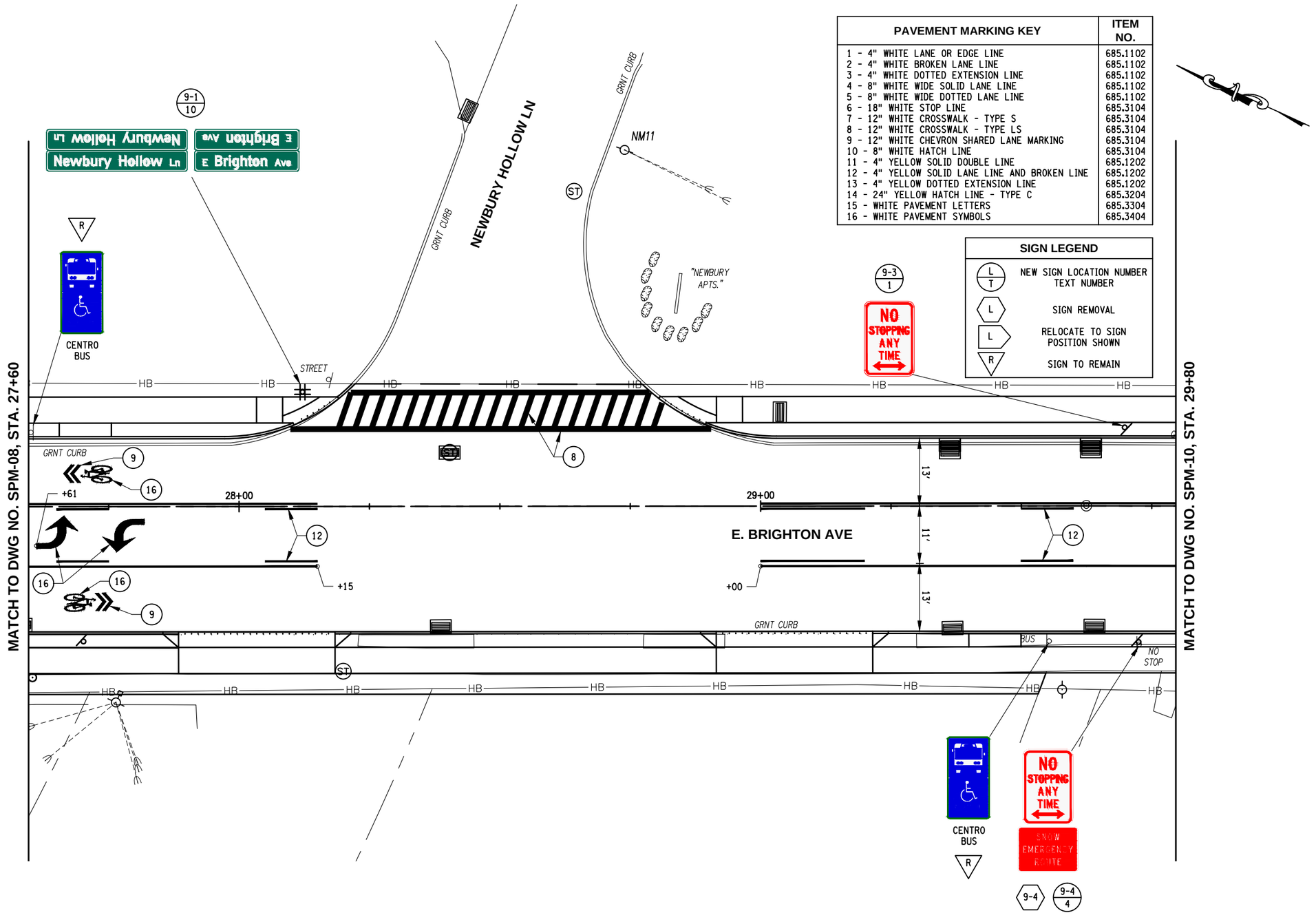
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PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
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13 - 4" YELLOW DOTTED EXTENSION LINE	685.1202
14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

SIGN LEGEND

L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO SIGN POSITION SHOWN
R	SIGN TO REMAIN



NOTE:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

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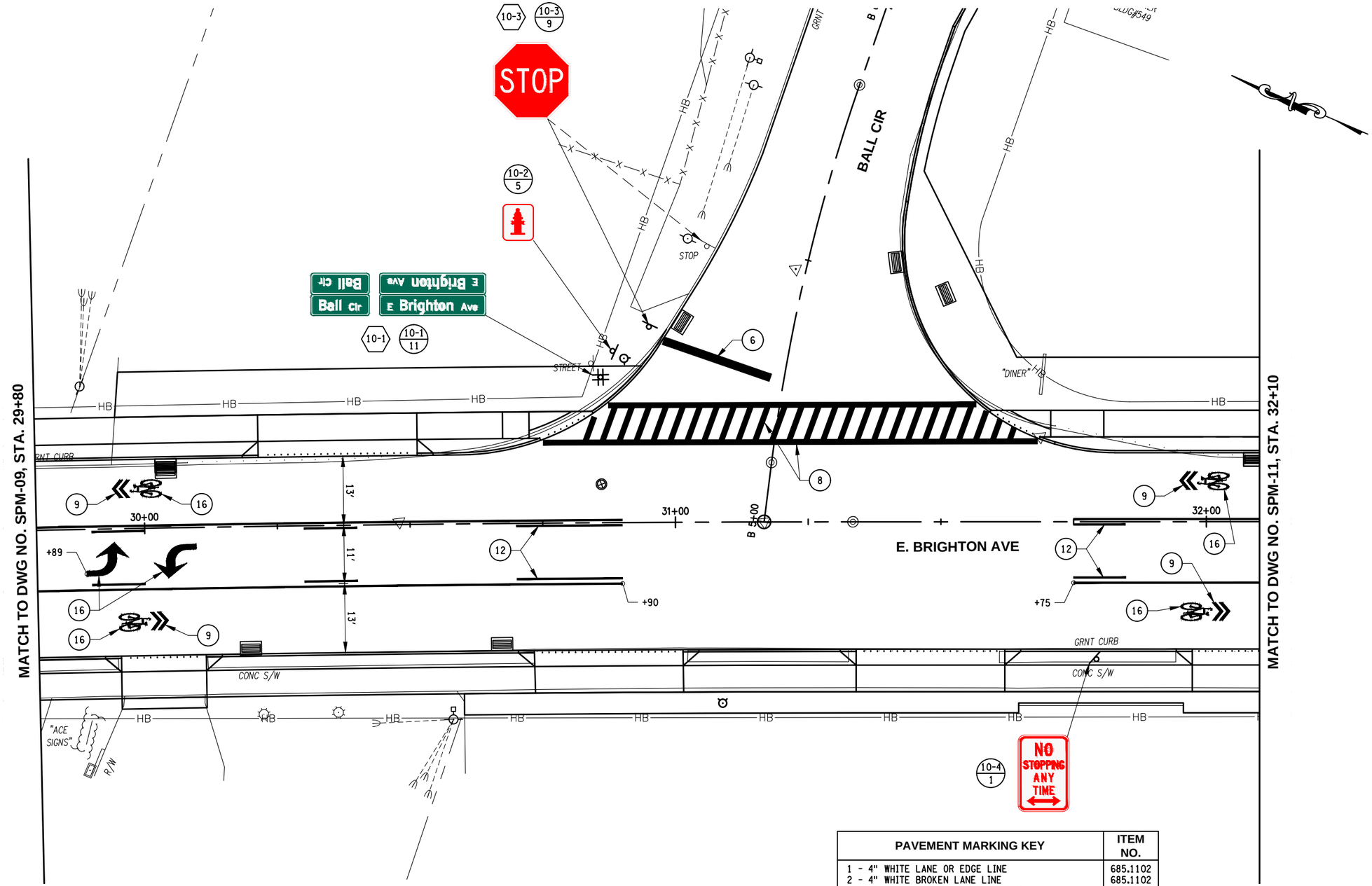
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SIGN AND PAVEMENT MARKING PLAN

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SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER / TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO SIGN POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
6 - 18" WHITE STOP LINE	685.3104
7 - 12" WHITE CROSSWALK - TYPE S	685.3104
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13 - 4" YELLOW DOTTED EXTENSION LINE	685.1202
14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

NOTE:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

10 0 10 20

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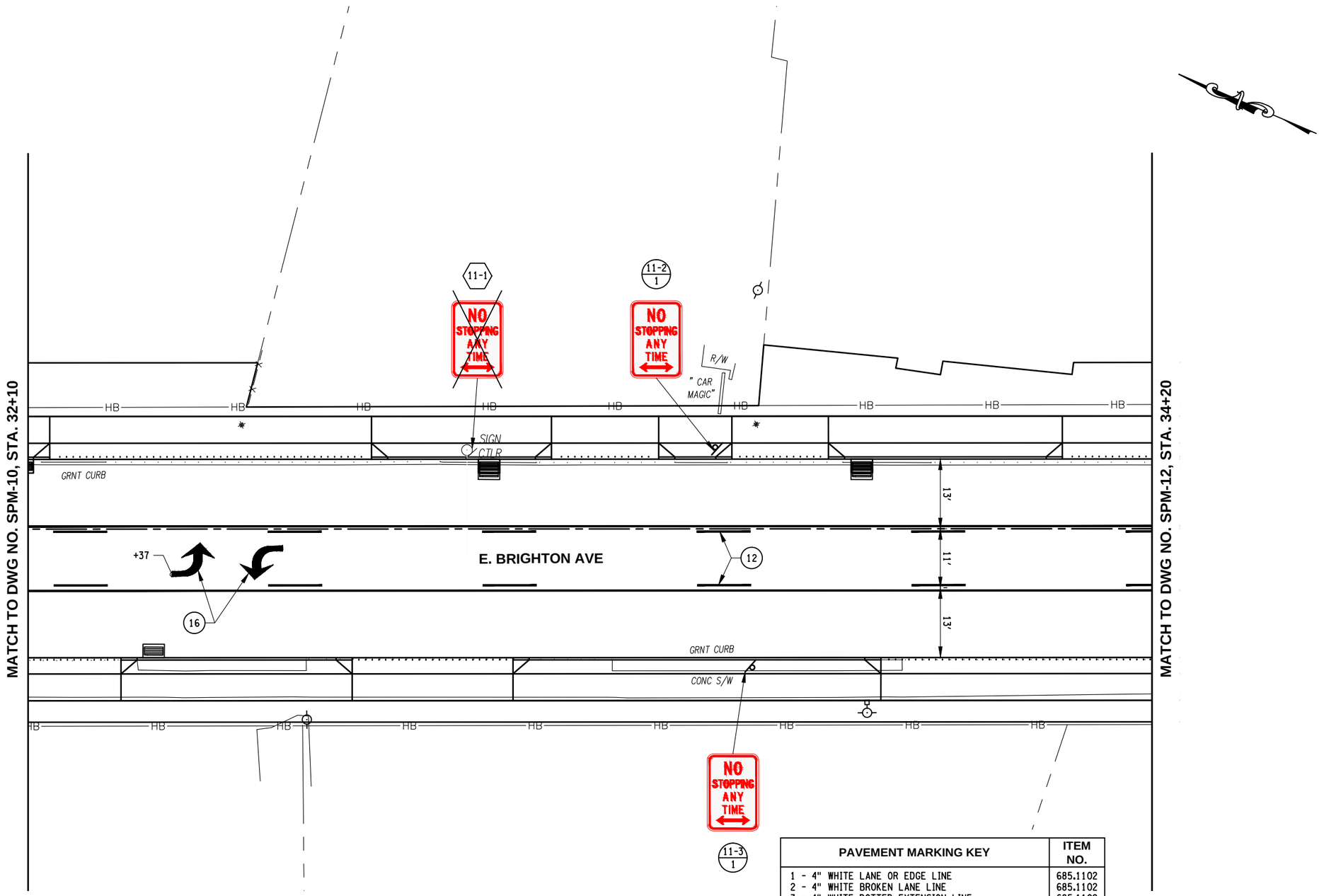
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SIGN AND PAVEMENT MARKING PLAN

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SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO SIGN POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
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16 - WHITE PAVEMENT SYMBOLS	685.3404

NOTE:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

10 0 10 20

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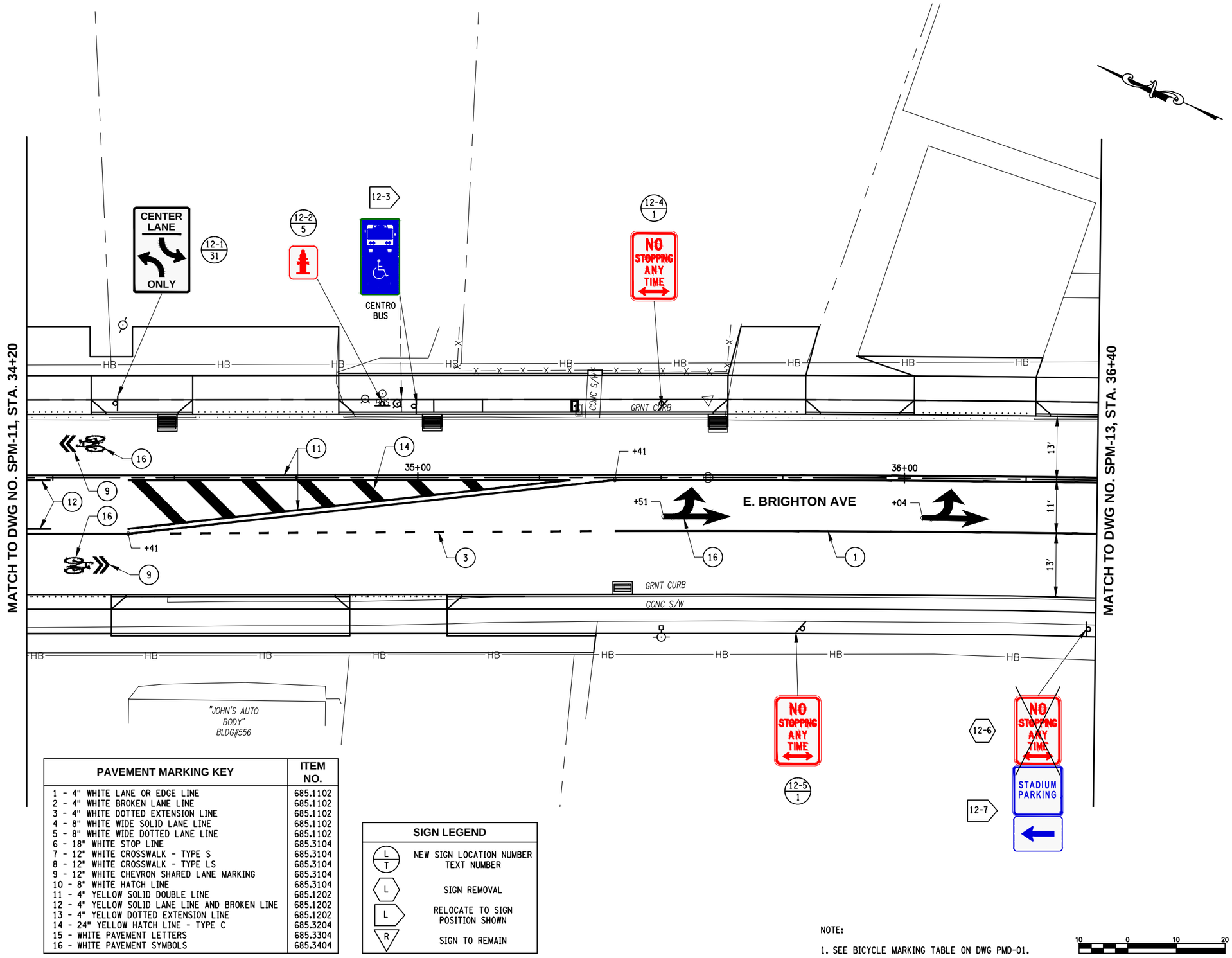
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SIGN AND PAVEMENT MARKING PLAN

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PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
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14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

SIGN LEGEND

L / T	NEW SIGN LOCATION NUMBER / TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO SIGN POSITION SHOWN
R	SIGN TO REMAIN

NOTE:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

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Syracuse NEW YORK

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

D040386

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

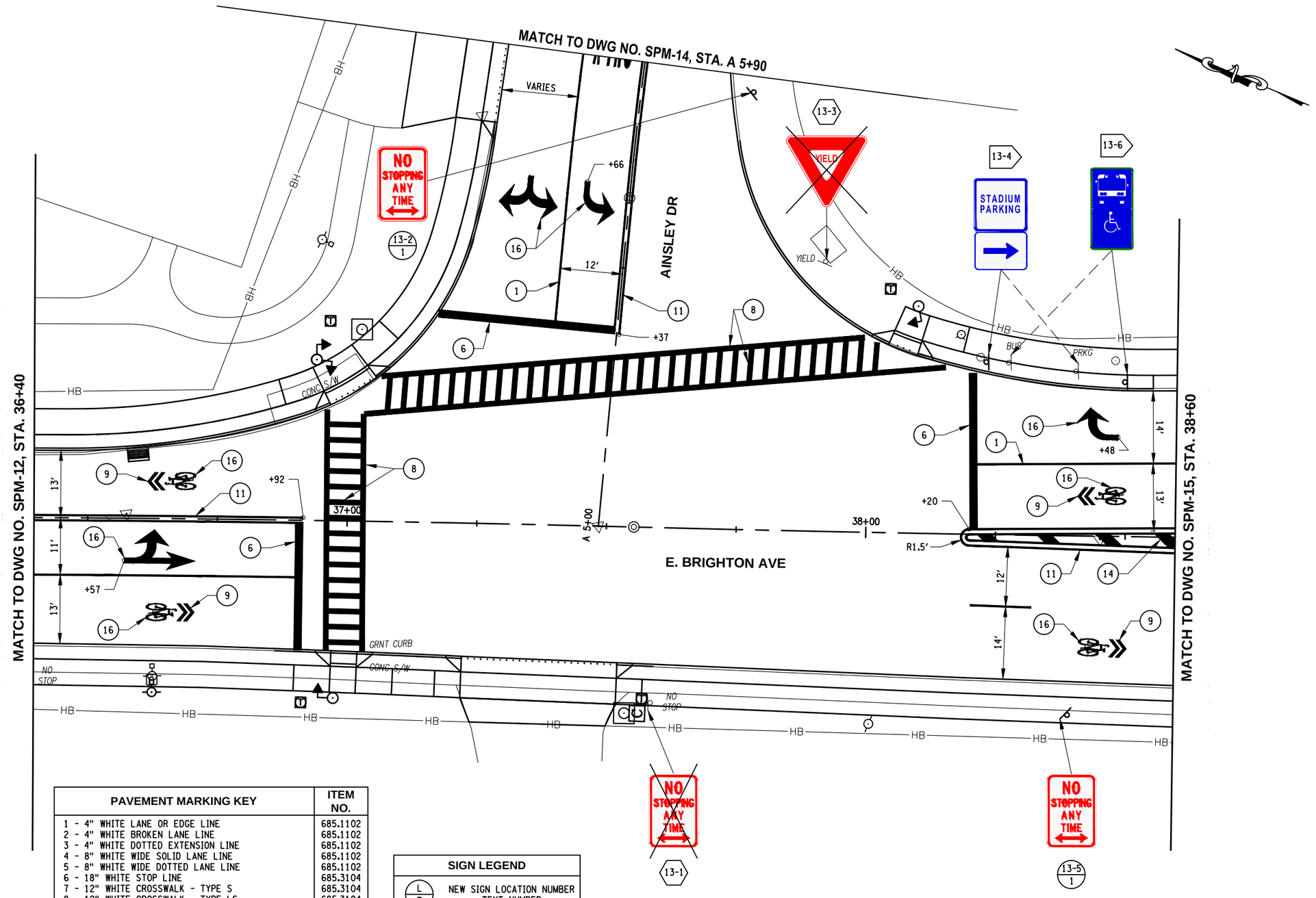
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SIGN AND PAVEMENT MARKING PLAN

SPM-12

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PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
6 - 18" WHITE STOP LINE	685.3104
7 - 12" WHITE CROSSWALK - TYPE S	685.3104
8 - 12" WHITE CROSSWALK - TYPE LS	685.3104
9 - 12" WHITE CHEVRON SHARED LANE MARKING	685.3104
10 - 8" WHITE HATCH LINE	685.3104
11 - 4" YELLOW SOLID DOUBLE LINE	685.1202
12 - 4" YELLOW SOLID LANE LINE AND BROKEN LINE	685.1202
13 - 4" YELLOW DOTTED EXTENSION LINE	685.1202
14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

SIGN LEGEND

L / T	NEW SIGN LOCATION NUMBER / TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO SIGN POSITION SHOWN
R	SIGN TO REMAIN

NOTE:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.
2. SEE DWG. SPM-15 FOR NEW SIGN LOCATION.

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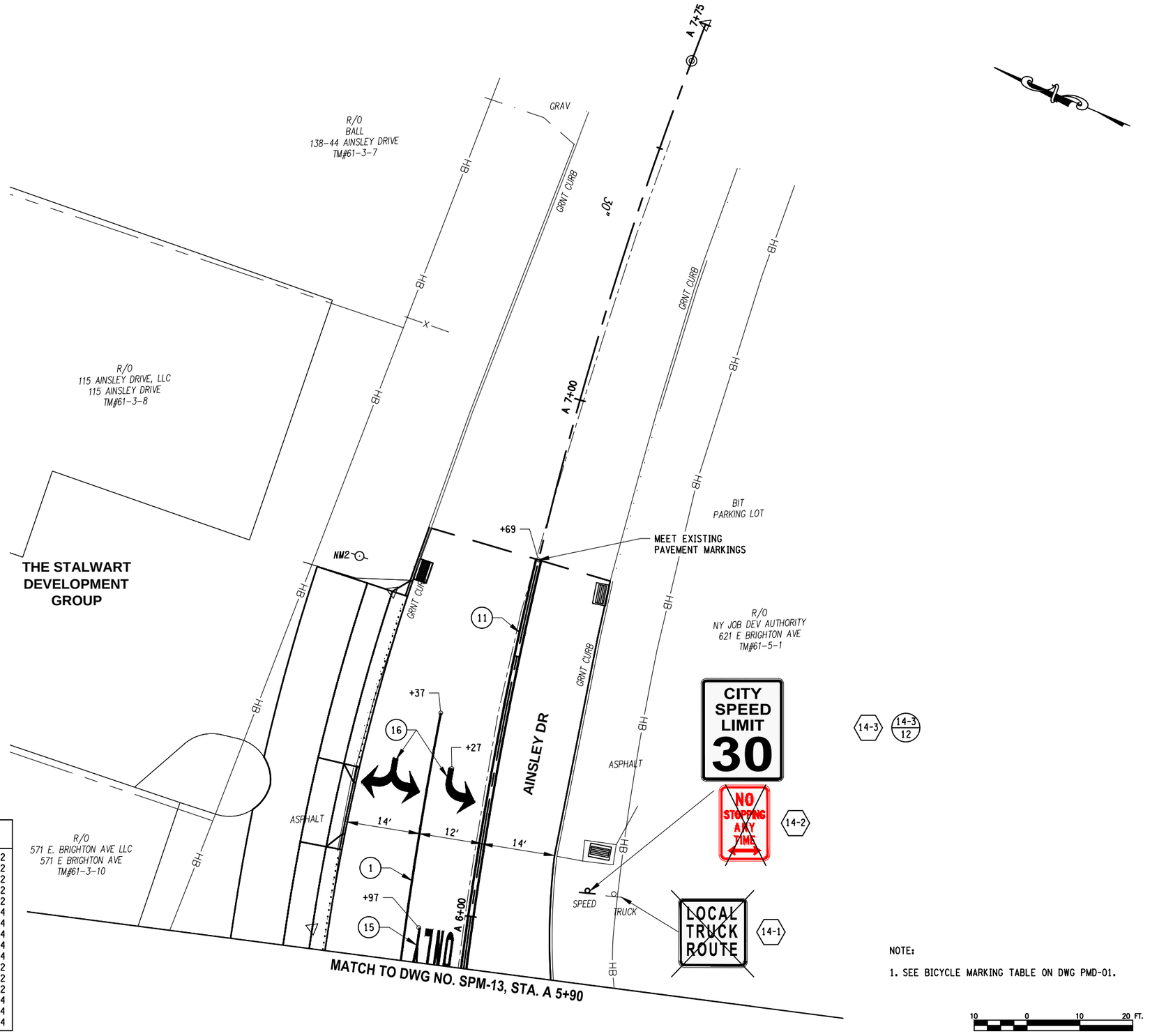
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SIGN AND PAVEMENT MARKING PLAN

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SIGN LEGEND

L / T	NEW SIGN LOCATION NUMBER / TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO SIGN POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
6 - 18" WHITE STOP LINE	685.3104
7 - 12" WHITE CROSSWALK - TYPE S	685.3104
8 - 12" WHITE CROSSWALK - TYPE LS	685.3104
9 - 12" WHITE CHEVRON SHARED LANE MARKING	685.3104
10 - 8" WHITE HATCH LINE	685.3104
11 - 4" YELLOW SOLID DOUBLE LINE	685.1202
12 - 4" YELLOW SOLID LANE LINE AND BROKEN LINE	685.1202
13 - 4" YELLOW DOTTED EXTENSION LINE	685.1202
14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

NOTE:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

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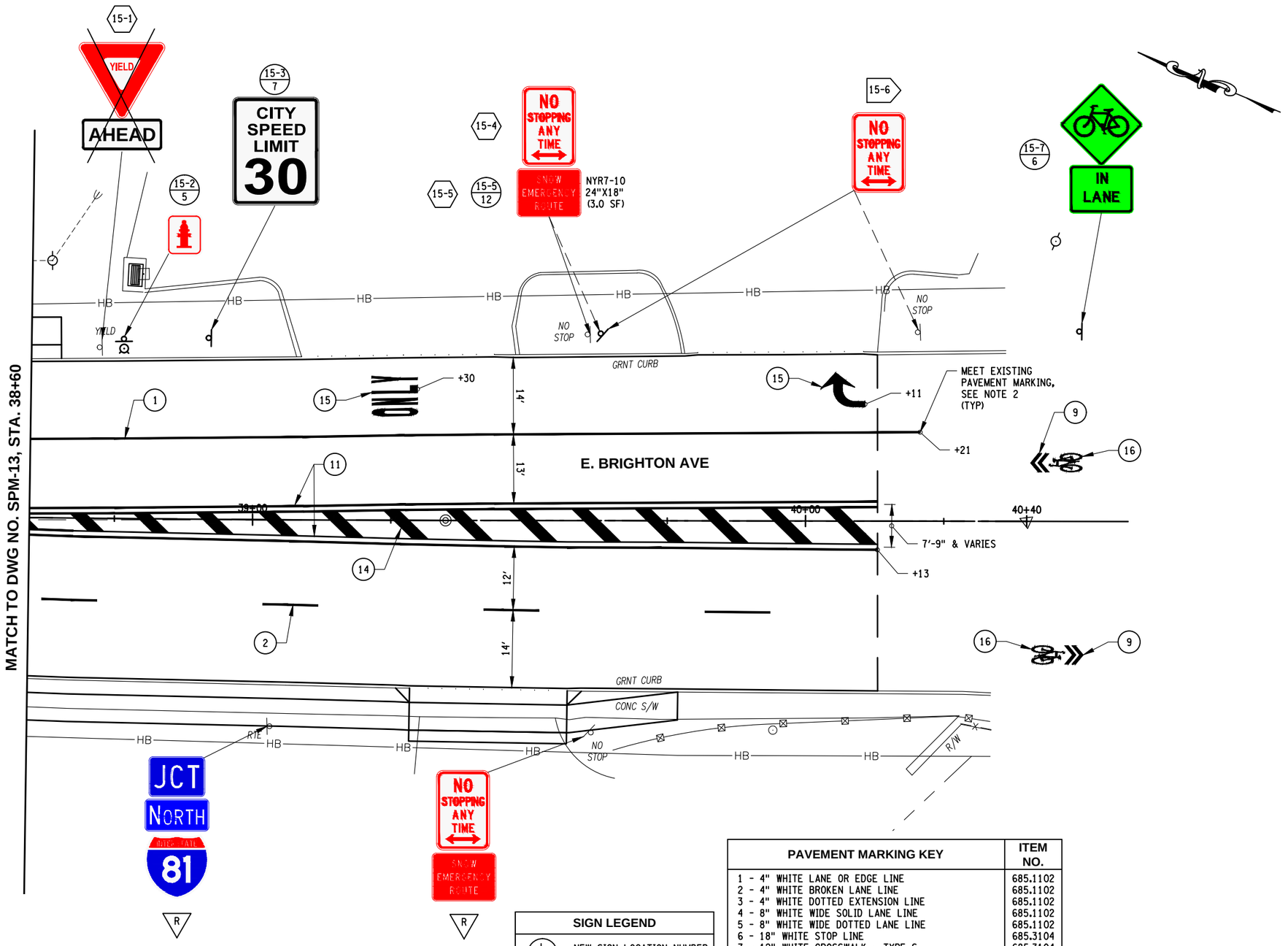
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SIGN AND PAVEMENT MARKING PLAN

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NOTES:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.
2. TURN LANE MARKINGS SHALL FOLLOW NYSDOT 685 STANDARD SHEET (6 OF 9). IF EXISTING TURN LANE MARKINGS DO NOT FOLLOW THE STANDARD LAYOUT THEY SHALL BE GROUND AND RE-STRIPED UNDER THEIR RESPECTIVE ITEMS A.O.B.E.

SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER / TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE SIGN TO POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
6 - 18" WHITE STOP LINE	685.3104
7 - 12" WHITE CROSSWALK - TYPE S	685.3104
8 - 12" WHITE CROSSWALK - TYPE LS	685.3104
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12 - 4" YELLOW SOLID LANE LINE AND BROKEN LINE	685.1202
13 - 4" YELLOW DOTTED EXTENSION LINE	685.1202
14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

10 0 10 20

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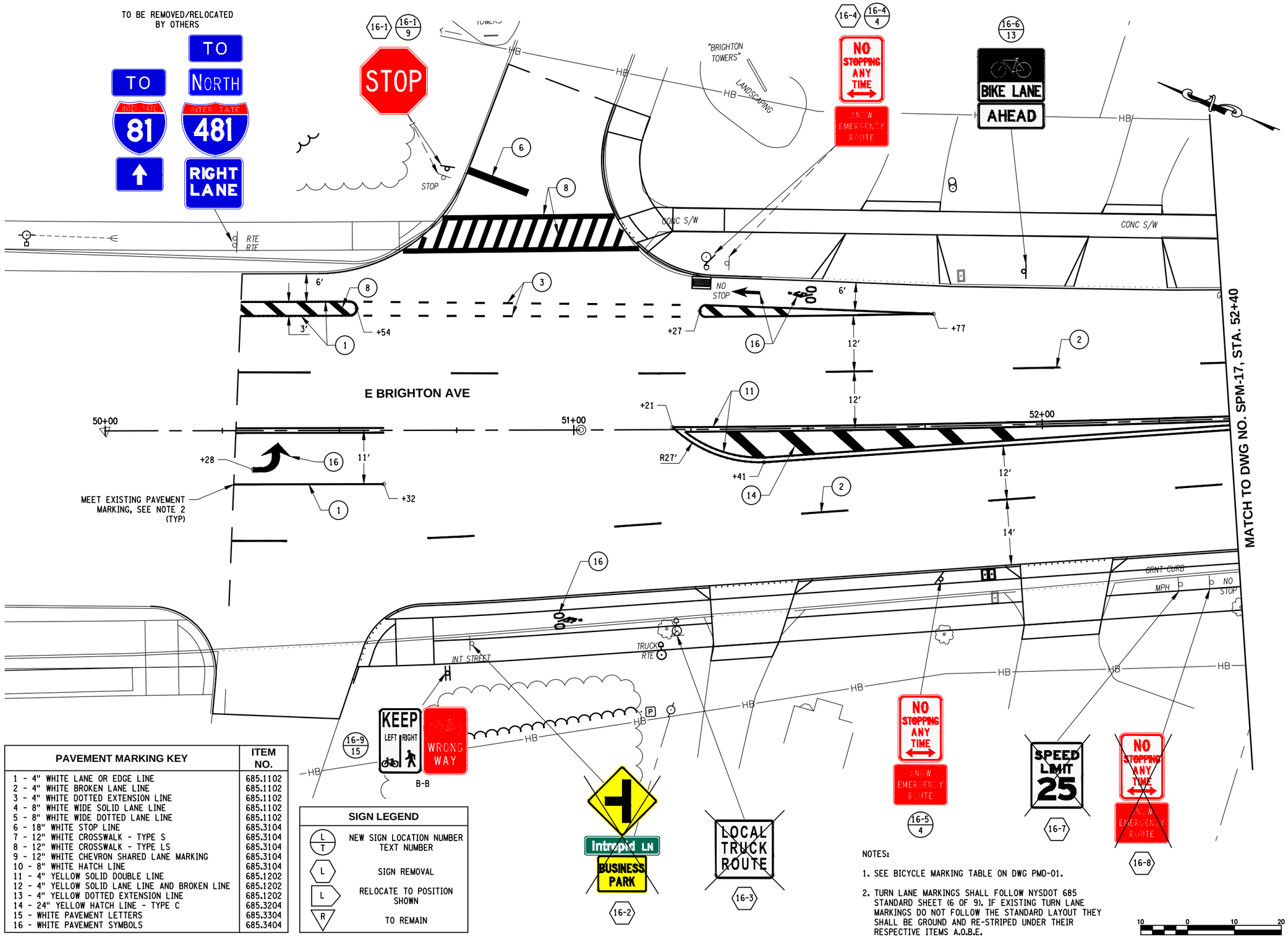
SIGN AND PAVEMENT MARKING PLAN

SPM-15

213 of 241

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PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
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15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

SIGN LEGEND

- L / T — NEW SIGN LOCATION NUMBER / TEXT NUMBER
- L — SIGN REMOVAL
- L — RELOCATE TO POSITION SHOWN
- R — TO REMAIN

NOTES:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.
2. TURN LANE MARKINGS SHALL FOLLOW NYSDOT 685 STANDARD SHEET (6 OF 9). IF EXISTING TURN LANE MARKINGS DO NOT FOLLOW THE STANDARD LAYOUT THEY SHALL BE GROUND AND RE-STRIPED UNDER THEIR RESPECTIVE ITEMS A.O.B.E.

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Syracuse NEW YORK

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

D040386

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
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SIGN AND PAVEMENT MARKING PLAN

SPM-16

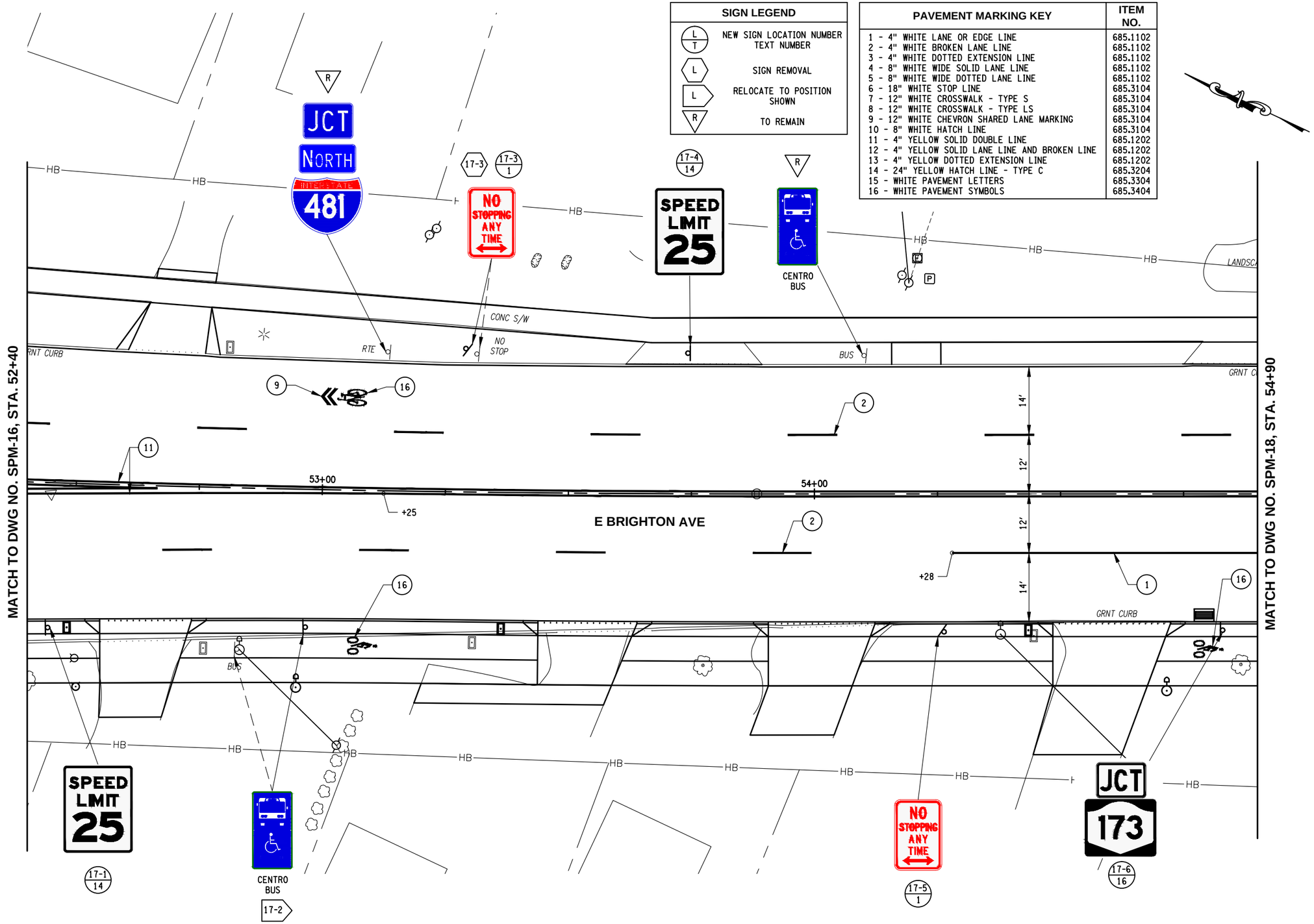
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SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO POSITION SHOWN
R	TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
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5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
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8 - 12" WHITE CROSSWALK - TYPE LS	685.3104
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13 - 4" YELLOW DOTTED EXTENSION LINE	685.1202
14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404



NOTE:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

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SIGN AND PAVEMENT MARKING PLAN

SPM-17

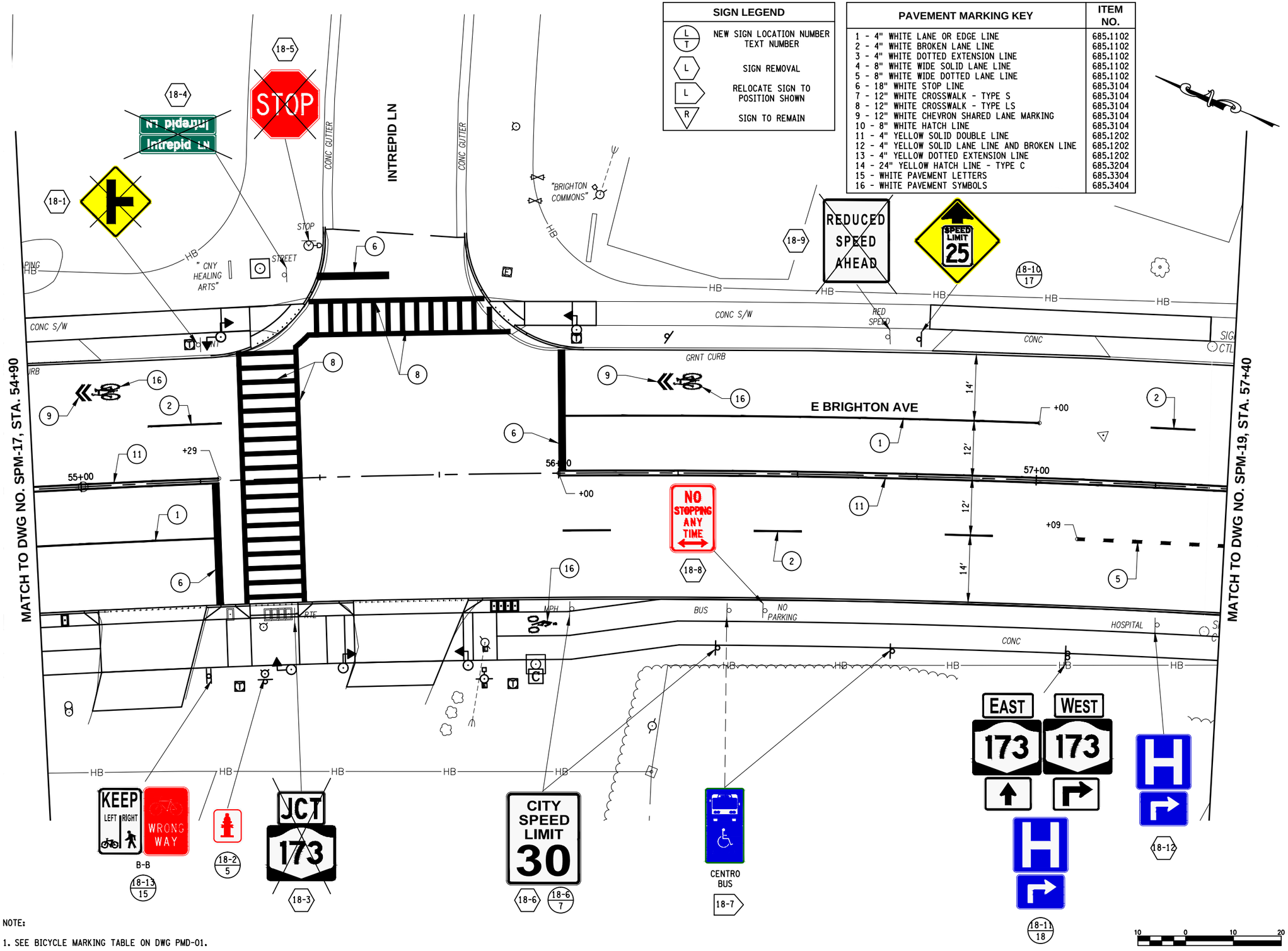
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SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE SIGN TO POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
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14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404



NOTE:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

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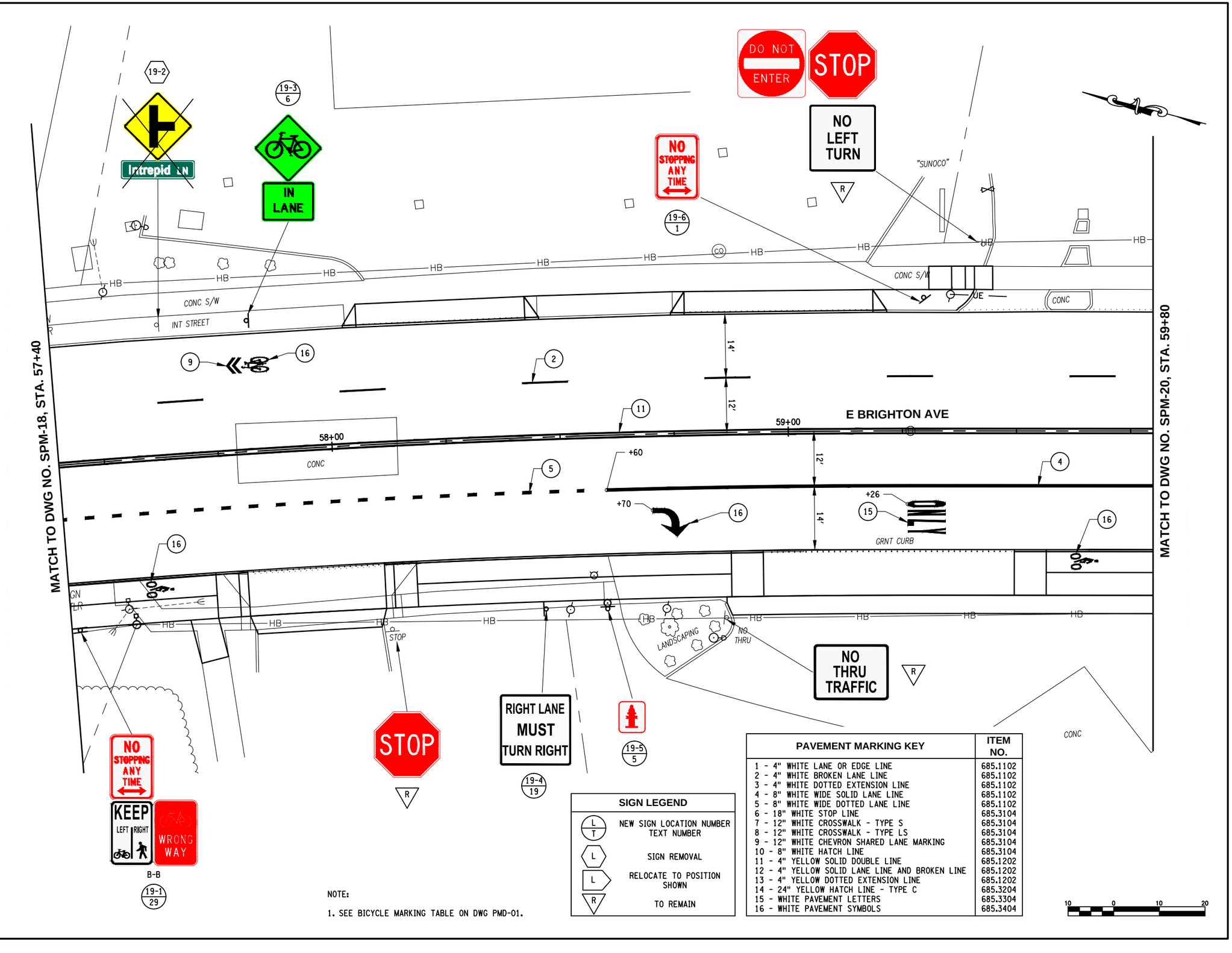
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SIGN AND PAVEMENT MARKING PLAN

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THURBER STREET TO CITY LIMIT

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DEPARTMENT OF ENGINEERING

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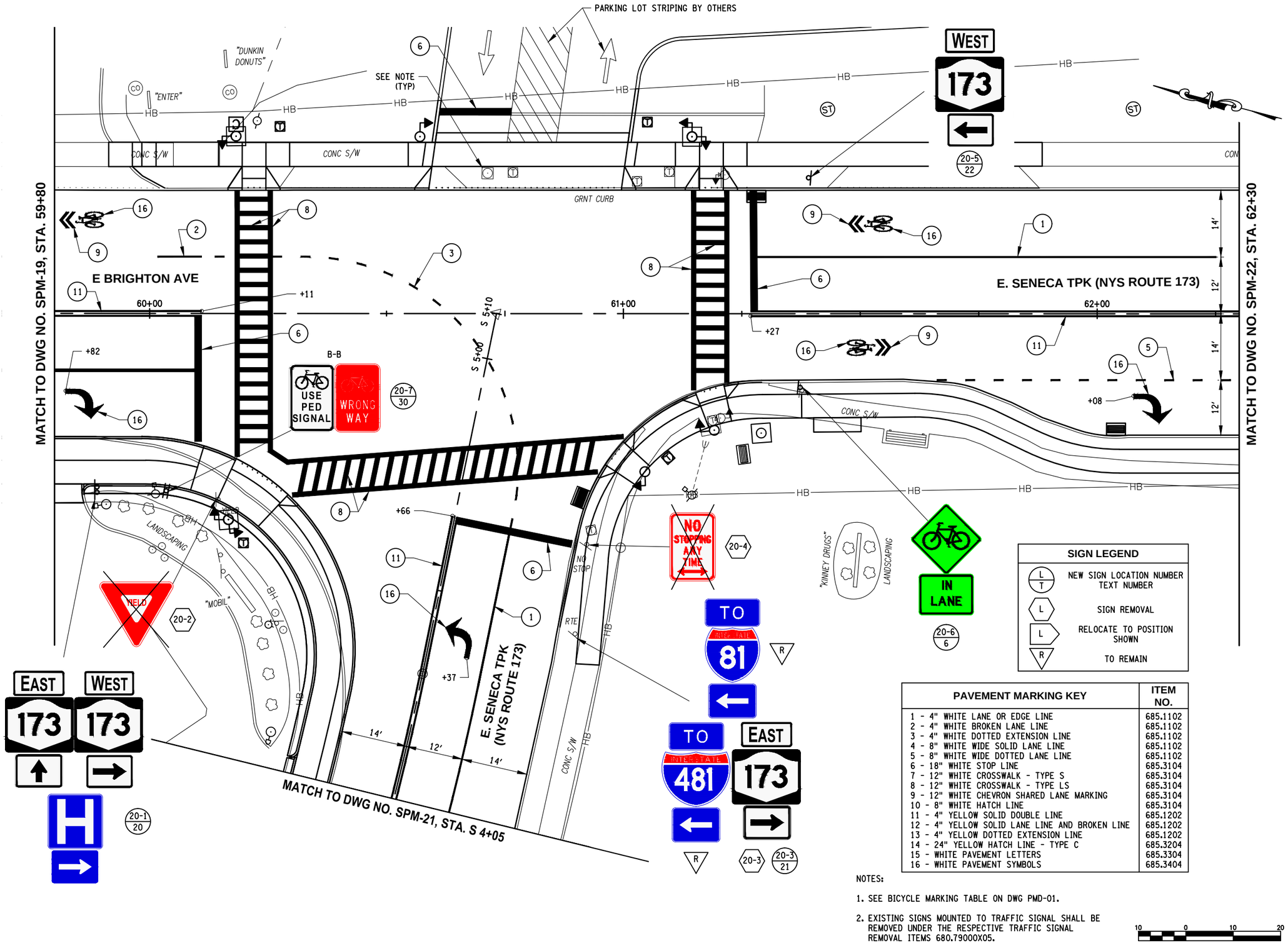
SIGN AND PAVEMENT MARKING PLAN

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SIGN LEGEND

L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE TO POSITION SHOWN
R	TO REMAIN

PAVEMENT MARKING KEY

	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
6 - 18" WHITE STOP LINE	685.3104
7 - 12" WHITE CROSSWALK - TYPE S	685.3104
8 - 12" WHITE CROSSWALK - TYPE LS	685.3104
9 - 12" WHITE CHEVRON SHARED LANE MARKING	685.3104
10 - 8" WHITE HATCH LINE	685.3104
11 - 4" YELLOW SOLID DOUBLE LINE	685.1202
12 - 4" YELLOW SOLID LANE LINE AND BROKEN LINE	685.1202
13 - 4" YELLOW DOTTED EXTENSION LINE	685.1202
14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

NOTES:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.
2. EXISTING SIGNS MOUNTED TO TRAFFIC SIGNAL SHALL BE REMOVED UNDER THE RESPECTIVE TRAFFIC SIGNAL REMOVAL ITEMS 680.79000X05.

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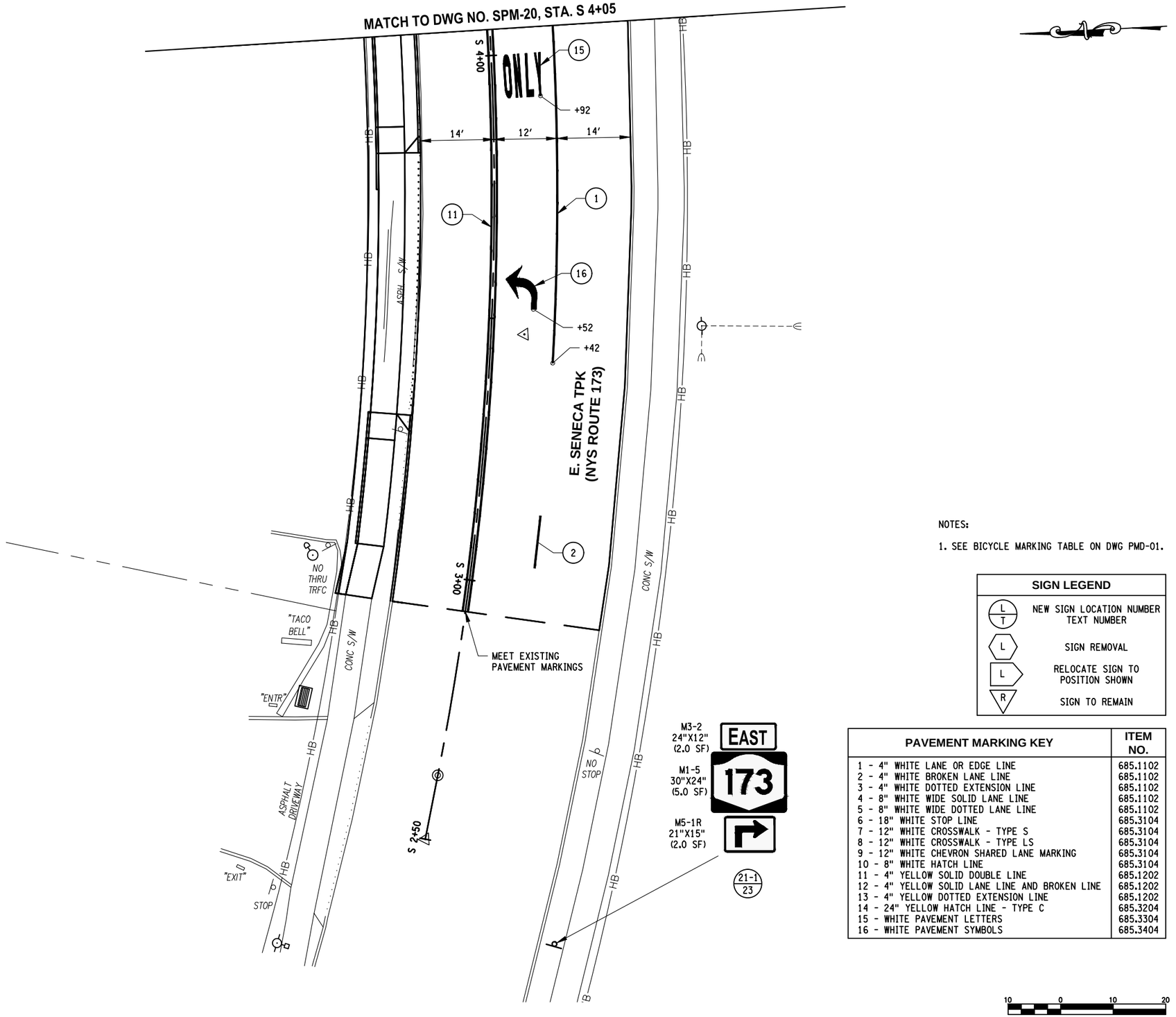
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SIGN AND PAVEMENT MARKING PLAN

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NOTES:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE SIGN TO POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
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14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

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DESIGNED BY:	DJB
CHECKED BY:	DOS

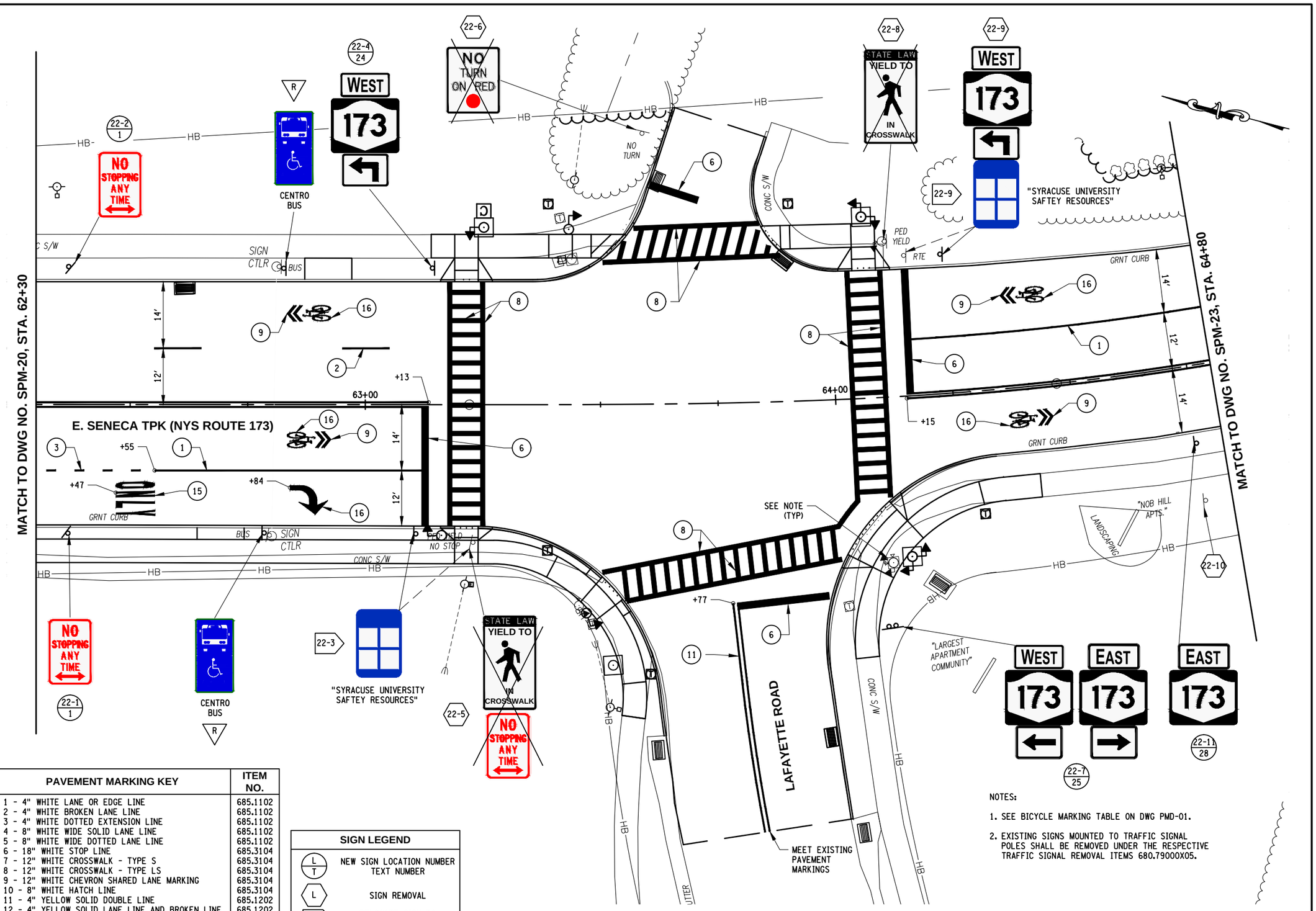
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SIGN AND PAVEMENT MARKING PLAN

SPM-21

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PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
6 - 18" WHITE STOP LINE	685.3104
7 - 12" WHITE CROSSWALK - TYPE S	685.3104
8 - 12" WHITE CROSSWALK - TYPE LS	685.3104
9 - 12" WHITE CHEVRON SHARED LANE MARKING	685.3104
10 - 8" WHITE HATCH LINE	685.3104
11 - 4" YELLOW SOLID DOUBLE LINE	685.1202
12 - 4" YELLOW SOLID LANE LINE AND BROKEN LINE	685.1202
13 - 4" YELLOW DOTTED EXTENSION LINE	685.1202
14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

SIGN LEGEND

- L / T — NEW SIGN LOCATION NUMBER TEXT NUMBER
- L — SIGN REMOVAL
- L — RELOCATE SIGN TO POSITION SHOWN
- R — SIGN TO REMAIN

NOTES:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.
2. EXISTING SIGNS MOUNTED TO TRAFFIC SIGNAL POLES SHALL BE REMOVED UNDER THE RESPECTIVE TRAFFIC SIGNAL REMOVAL ITEMS 680.79000X05.

10 0 10 20

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C&S Engineers, Inc.
499 Col Eileen Collins Blvd,
Syracuse, NY 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

1/9/2025

STATE OF NEW YORK · DOUGLAS OWEN STRAUSER · LICENSED PROFESSIONAL ENGINEER · NO. 073767

Syracuse

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

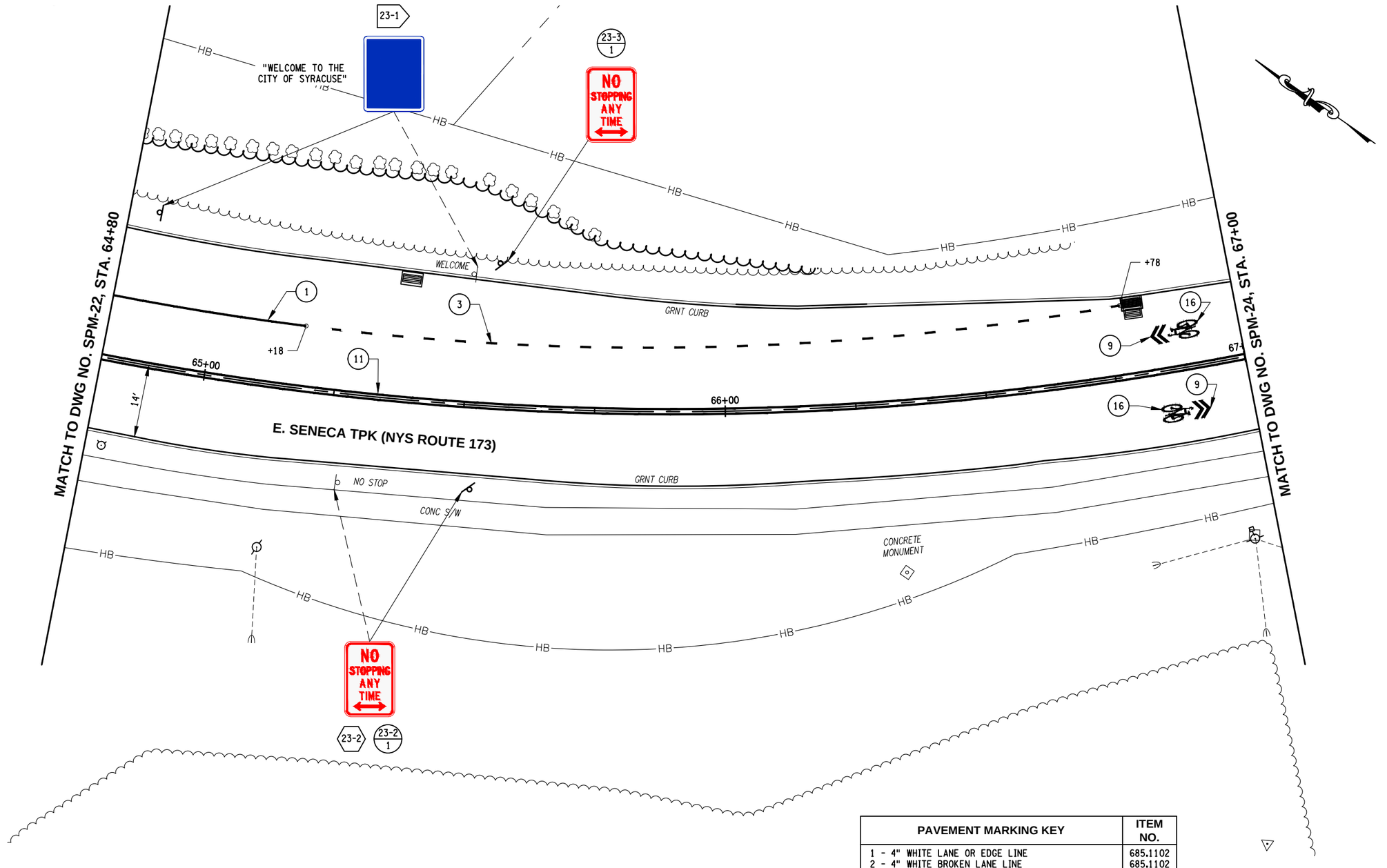
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SIGN AND PAVEMENT MARKING PLAN

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SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE SIGN TO POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
6 - 18" WHITE STOP LINE	685.3104
7 - 12" WHITE CROSSWALK - TYPE S	685.3104
8 - 12" WHITE CROSSWALK - TYPE LS	685.3104
9 - 12" WHITE CHEVRON SHARED LANE MARKING	685.3104
10 - 8" WHITE HATCH LINE	685.3104
11 - 4" YELLOW SOLID DOUBLE LINE	685.1202
12 - 4" YELLOW SOLID LANE LINE AND BROKEN LINE	685.1202
13 - 4" YELLOW DOTTED EXTENSION LINE	685.1202
14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

NOTES:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

10 0 10 20

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Syracuse NEW YORK

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EAST BRIGHTON AVENUE 2R PAVING PROJECT

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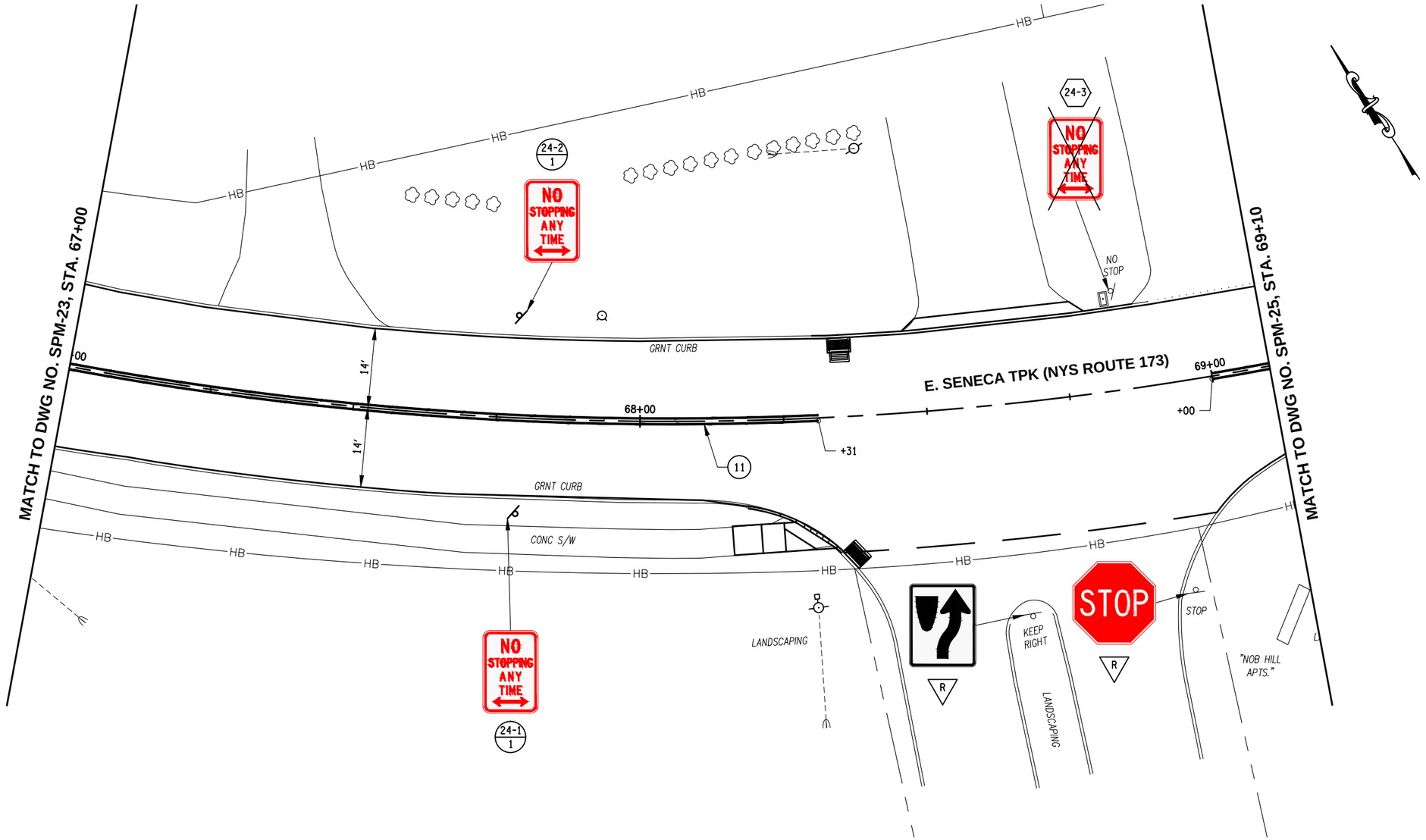
SIGN AND PAVEMENT MARKING PLAN

SPM-23

221 of 241

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SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER / TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE SIGN TO POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
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2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
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5 - 8" WHITE WIDE DOTTED LANE LINE	685.1102
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14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

NOTES:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

10 0 10 20

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EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

D040386

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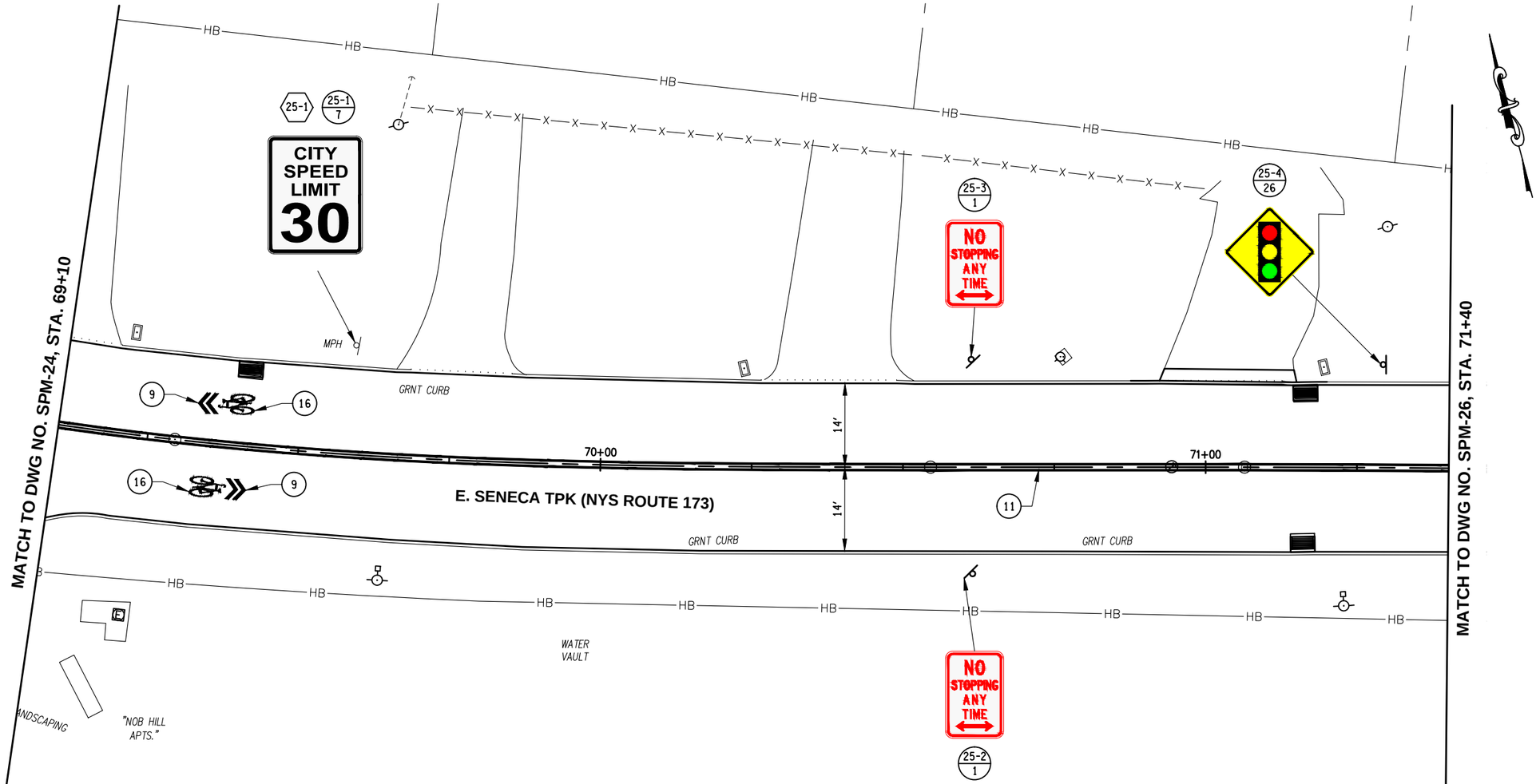
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SIGN AND PAVEMENT MARKING PLAN

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SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE SIGN TO POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
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15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

NOTES:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

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NO. 077376

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EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

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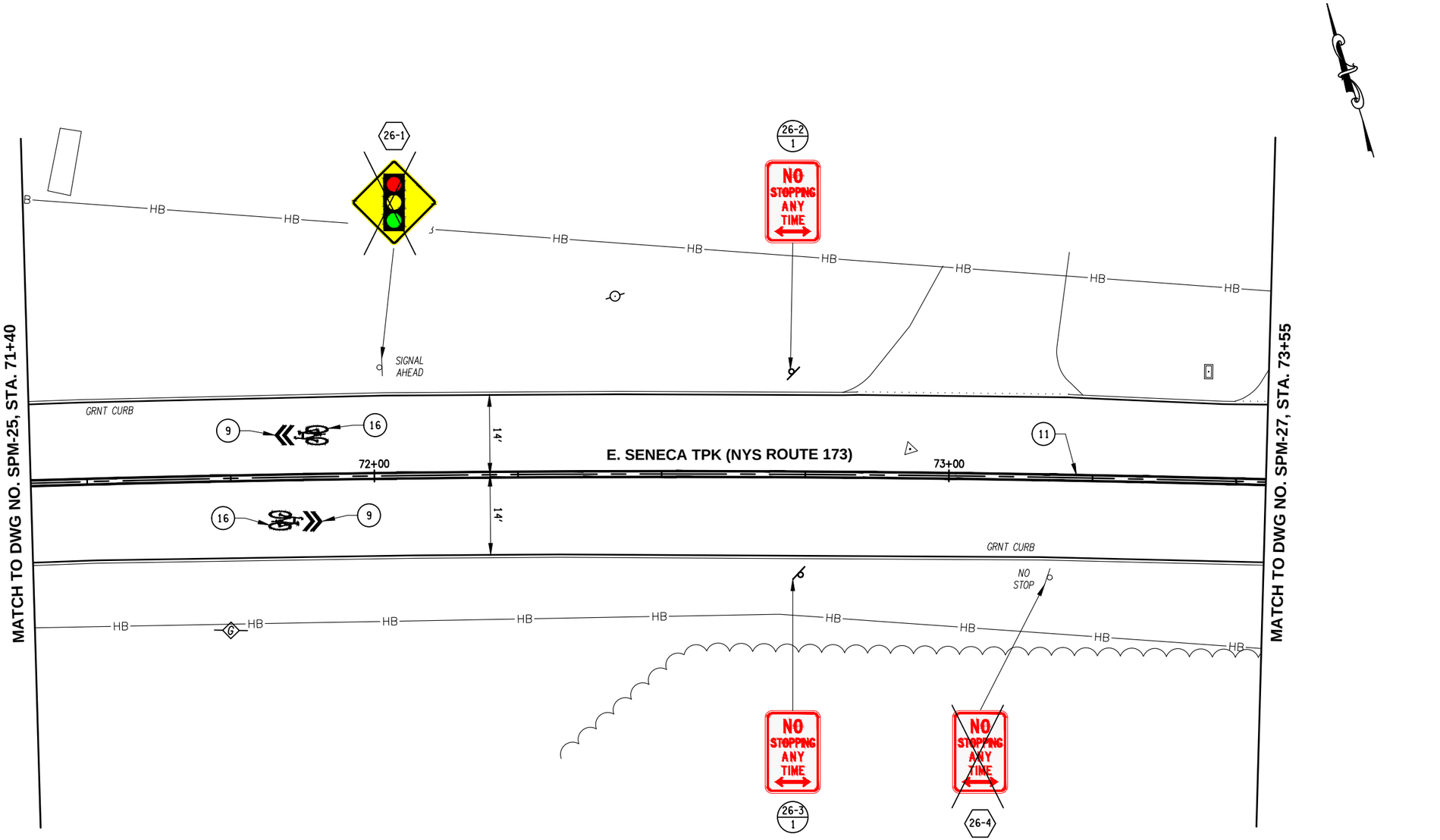
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SIGN AND PAVEMENT MARKING PLAN

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SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE SIGN TO POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
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NOTES:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.

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Syracuse NEW YORK

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EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE

DEPARTMENT OF ENGINEERING

PIN 3756.80

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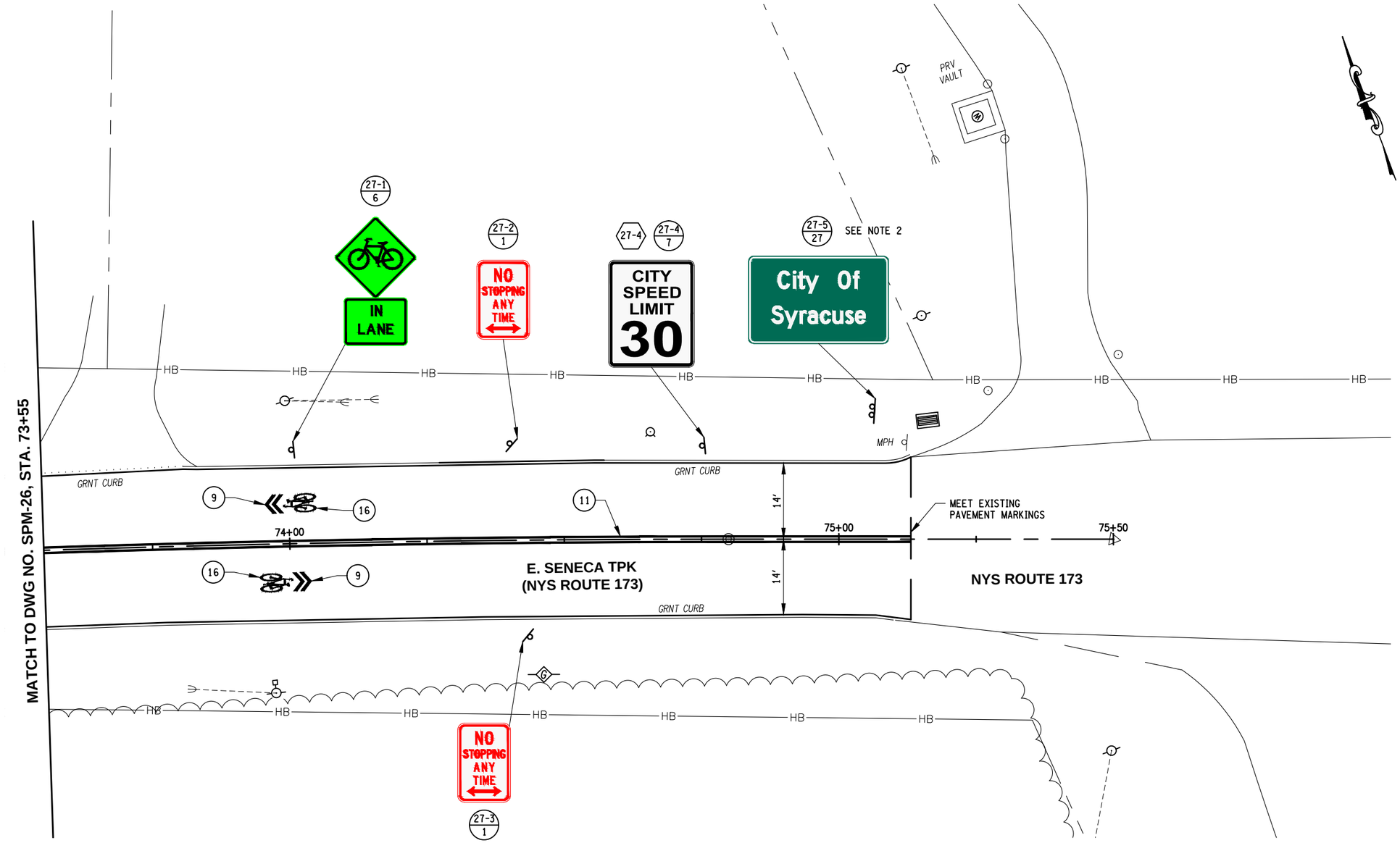
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SIGN AND PAVEMENT MARKING PLAN

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SIGN LEGEND	
L / T	NEW SIGN LOCATION NUMBER / TEXT NUMBER
L	SIGN REMOVAL
L	RELOCATE SIGN TO POSITION SHOWN
R	SIGN TO REMAIN

PAVEMENT MARKING KEY	ITEM NO.
1 - 4" WHITE LANE OR EDGE LINE	685.1102
2 - 4" WHITE BROKEN LANE LINE	685.1102
3 - 4" WHITE DOTTED EXTENSION LINE	685.1102
4 - 8" WHITE WIDE SOLID LANE LINE	685.1102
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14 - 24" YELLOW HATCH LINE - TYPE C	685.3204
15 - WHITE PAVEMENT LETTERS	685.3304
16 - WHITE PAVEMENT SYMBOLS	685.3404

NOTES:

1. SEE BICYCLE MARKING TABLE ON DWG PMD-01.
2. OFFSET CITY OF SYRACUSE SIGN 27-5 FROM SPEED LIMIT SIGN 27-4 TO NOT OBSTRUCT ITS VIEW.

10 0 10 20

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Syracuse NEW YORK

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMIT

CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING

PIN 3756.80

D040386

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
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SIGN AND PAVEMENT MARKING PLAN

SPM-27

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PLANT LIST - LARGE TREES

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
CO	5	CELTIS OCCIDENTALIS	HACKBERRY	3" CAL.	B&B	SEE NOTE 1
TA	9	TILIA AMERICANA 'MCKSENTRY'	SENTRY AMERICAN BASSWOOD	3" CAL.	B&B	SEE NOTE 1

PLANT LIST - SMALL TREES

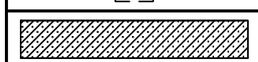
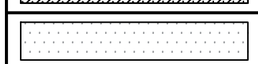
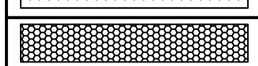
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
CC	13	CARPINUS CAROLINIANA	AMERICAN MUSCLEWOOD	3" CAL.	B&B	SEE NOTE 1

PLANT LIST - DECIDUOUS SHRUBS - ITEM 611.0442 (EA)

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
RA	119	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	2' SPR.	CONT.	4' O.C. SEE NOTE 2

NOTE:
1. ALL TREES WILL BE PROVIDED AND PLANTED BY THE CITY OF SYRACUSE IN ACCORDANCE WITH ITEM 611.0161.
2. LAYOUT OF SHRUBS TO BE PROVIDED BY THE CITY PRIOR TO PLANTING.

PLANTING PLAN LEGEND

SYMBOL	ITEM
	NEW TREE LOCATION (TO BE PLANTED BY CITY)
	SOIL AMENDMENT ITEM 610.10
	TOPSOIL-SPECIAL PLANTING MIX ITEM 610.1404 & GROUND COVER / SHRUB
	TOPSOIL-SPECIAL PLANTING MIX ITEM 610.1404 SEED TO LAWN
	STRUCTURAL PLANTING SOIL ITEM 610.14000011

NOTE:
1. REPAIR ALL DISTURBED AREAS WITH LAWN UNLESS OTHERWISE NOTED.
2. PROVIDE LOOSENED SOIL FOR ALL TREES PROPOSED IN EXISTING LAWN AREAS AT A MINIMUM OF 10'X10' OR EQUIVALENT SF WHERE RESTRICTED, TO A DEPTH OF 3', & AMEND WITH 1 CUBIC YARD OF TYPE 1 COMPOST. CITY TO PLANT TREES AFTER CONTRACTOR PREPARES LOOSENED AND AMENDED SOIL. PAYMENT TO BE MADE UNDER ITEM 610.10.

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Environmental Design & Research,
Landscape Architecture, Engineering & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1100
Syracuse, New York 13202
P. 315.471.0688

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THOMAS F. J. DUSSING
088323
LICENSED PROFESSIONAL ENGINEER

Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMITS
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	JK
DESIGNED BY:	RS
CHECKED BY:	TFJD

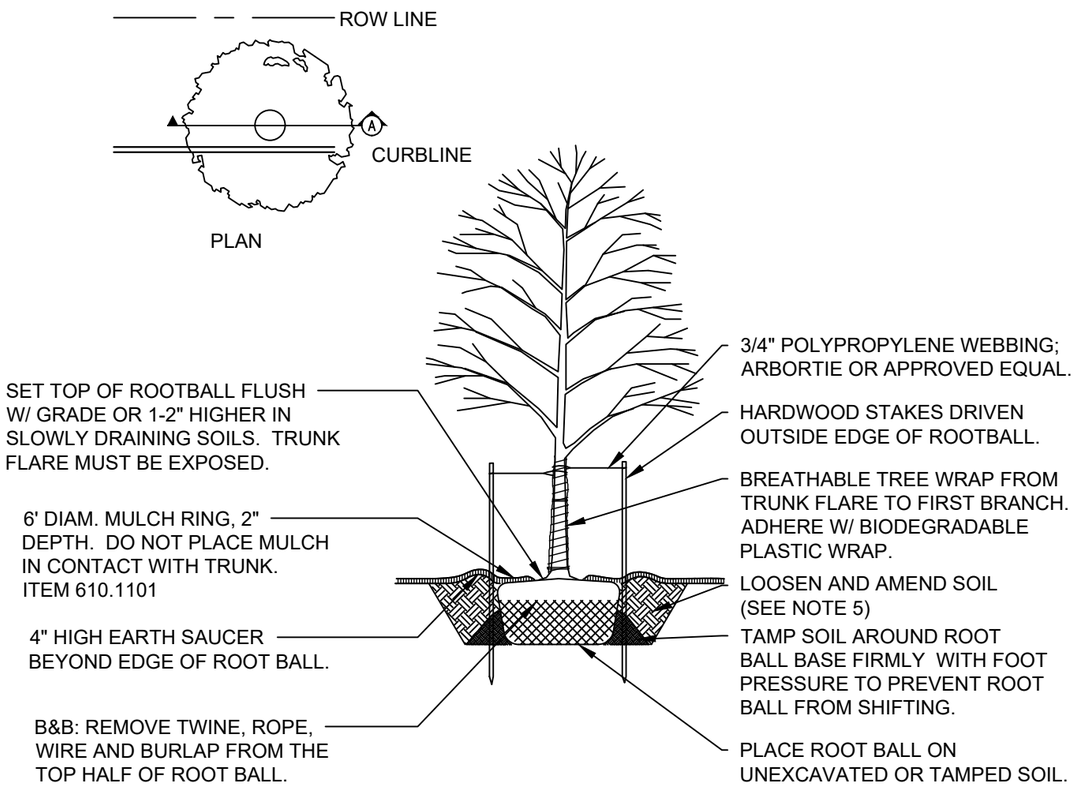
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PLANTING SCHEDULE

PLD-01

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CITY NOTES:

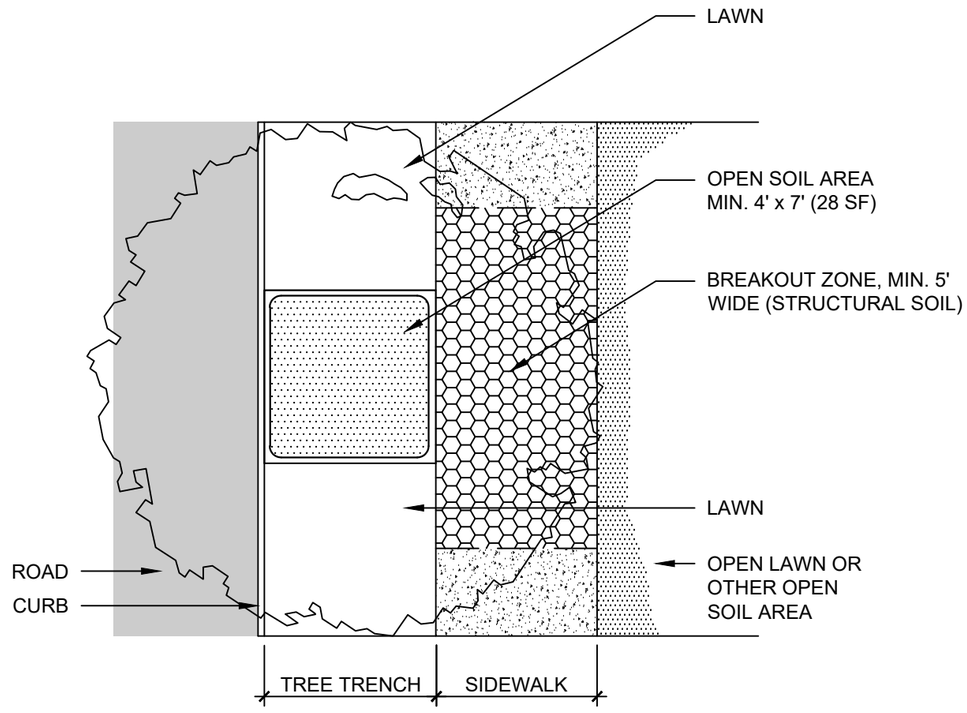
1. STAKE TREES AS DIRECTED BY THE CITY ARBORIST. STAKING WILL BE REQ'D WHEN ROOT BALLS ARE VERY SANDY OR WET CLAY, WHEN SOIL IS VERY SOFT, OR WHEN PLANTING LOCATIONS ARE WINDY. (BY CITY)
2. TIGHTEN ARBORTIE ONLY ENOUGH TO KEEP FROM SLIPPING. ALLOW FOR SOME TRUNK MOVEMENT. (BY CITY)
3. PRUNE ONLY CROSSING LIMBS, CO-DOMINANT LEADERS AND BROKEN OR DEAD BRANCHES. (BY CITY)
4. TREE WRAP SHOULD BE INSTALLED AT TIME OF PLANTING AND REMOVED BY CONTRACTOR AFTER WARRANTY PERIOD. (BY CITY)

CONTRACTOR NOTES:

5. LOOSEN BOTTOM 18" OF 10'x10' AREA OR EQUIVALENT SY AT A 3' DEPTH, REMOVE TOP 18" AND AMEND WITH COMPOST (PAY ITEM 610.10).
6. PROVIDE LOOSENED SOIL FOR ALL TREES PROPOSED IN EXISTING LAWN AREAS AT A MINIMUM OF 10'X10' OR EQUIVALENT SF WHERE RESTRICTED, TO A DEPTH OF 3', & AMEND WITH TYPE 1 COMPOST.

TREE PLANTING

Scale: NTS



NOTES:

1. BREAKOUT ZONES SHALL BE A MINIMUM OF 5' WIDE ANS 3' DEEP

ROOT BREAKOUT

Scale: NTS

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P. 315.471.0688

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Syracuse NEW YORK

D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT

THURBER STREET TO CITY LIMITS

CITY OF SYRACUSE

DEPARTMENT OF ENGINEERING

PIN 3756.80

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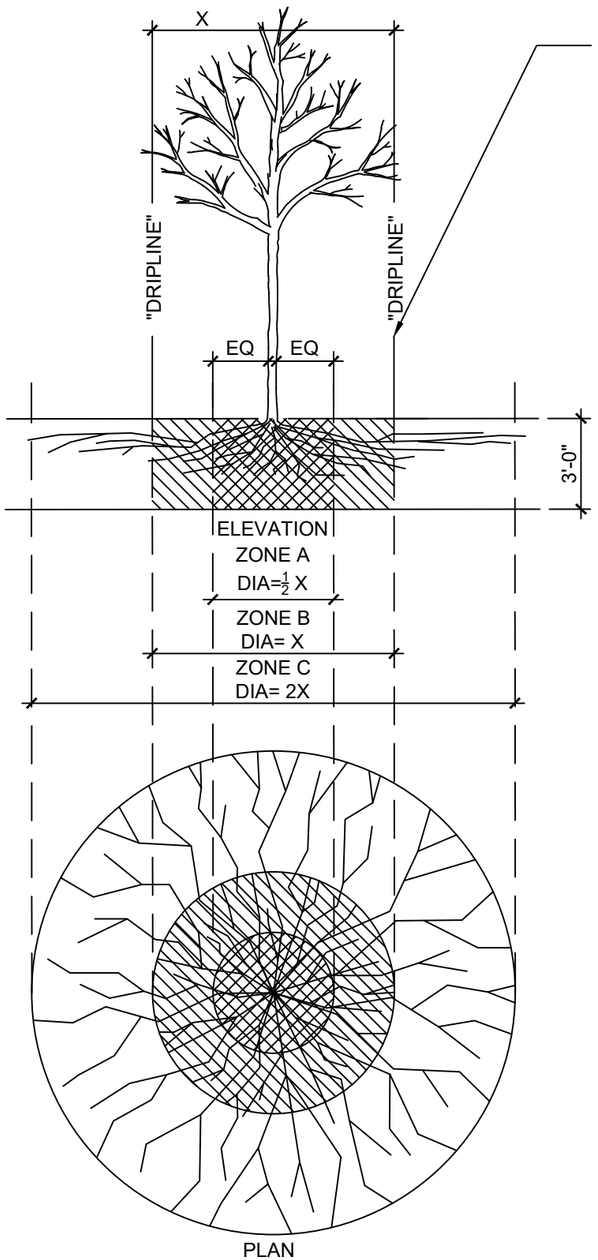
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PLANTING DETAILS

PLD-02

Jan. 06, 2025 - 10:46am
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FENCING/ROOT PROTECTION:

FENCING TO BE PROVIDED AND MAINTAINED AT DRIPLINE . ITEM 607.41010010 - TEMPORARY PLASTIC BARRIER FENCE

CITY ARBORIST'S APPROVAL REQUIRED FOR USE/ACCESS WITHIN ZONE B. PERMISSION FOR USE/ACCESS REQUIRES SURFACE PROTECTION FOR ALL UNFENCED, UNPAVED SURFACES WITHIN ZONE B

SURFACE PROTECTION MEASURES:

1. MULCH LAYER, 6-8" DEPTH
2. 3/4" PLYWOOD
3. STEEL PLATES

TRENCHING/EXCAVATION:

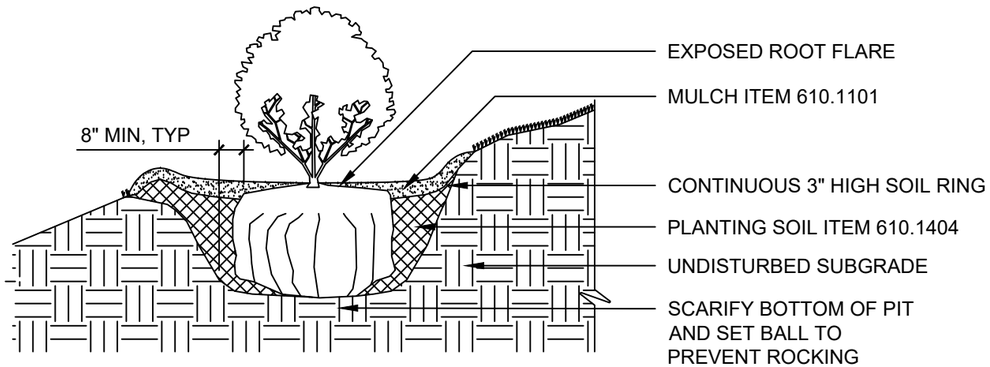
ZONE A (CRITICAL ROOT ZONE)
1) NO DISTURBANCE ALLOWED WITHOUT SITE-SPECIFIC INSPECTION AND APPROVAL OF METHODS TO MINIMIZE ROOT DAMAGE.
2) SEVERANCE OF ROOTS LARGER THAN 2" DIA. REQUIRES CITY ARBORIST'S APPROVAL.
3) TUNNELING REQUIRED TO INSTALL LINES 3' - 0" BELOW GRADE OR DEEPER.

ZONE B (DRIPLINE)
1) OPERATION OF HEAVY EQUIPMENT AND/OR STOCKPILING OF MATERIALS SUBJECT TO CITY ARBORIST'S APPROVAL.
2) SURFACE PROTECTION MEASURES REQUIRED TRENCHING ALLOWED AS FOLLOWS:
* EXCAVATION BY HAND OR WITH HAND-DRIVEN TRENCHER MAY BE REQUIRED.
* LIMIT TRENCH WIDTH. DO NOT DISTURB ZONE A MAINTAIN 2/3 OR MORE ZONE B IN UNDISTURBED CONDITION
3) TUNNELING MAY BE REQUIRED FOR TRENCHES DEEPER THAN 3' - 0".

ZONE C (FEEDER ROOT ZONE)
1) OPERATION OF HEAVY EQUIPMENT AND/OR STOCKPILING OF MATERIALS SUBJECT TO CITY ARBORIST'S APPROVAL.
2) SURFACE PROTECTION MEASURES MAY BE REQUIRED TRENCHING WITH HEAVY EQUIPMENT ALLOWED AS FOLLOWS:
* MINIMIZE TRENCH WIDTH
* MAINTAIN 2/3 OR MORE OF ZONE C IN UNDISTURBED CONDITION.

TREE PROTECTION ZONES (TPZ)

Scale: NTS



NOTES:
1. TOP OF ROOT BALL SHALL BE POSITIONED AT SLOPE ELEVATION
2. SET PLANTS PLUMB

SHRUB PLANTING ON SLOPE

Scale: NTS

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D040386

EAST BRIGHTON AVENUE 2R PAVING PROJECT
THURBER STREET TO CITY LIMITS
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	JK
DESIGNED BY:	RS
CHECKED BY:	TFJD

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PLANTING DETAILS

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SEED MIXES - TURF ESTABLISHMENT - ITEM 610.1605

LAWN SEED MIX:

1. SUN AND PARTIAL SHADE: PROPORTIONED BY WEIGHT AS FOLLOWS:
   a. 15-40 PERCENT KENTUCKY BLUEGRASS (POA PRATENSIS).
   b. 30-50 PERCENT FINE FESCUE INCLUDING 2 VARIETIES OF EITHER CHEWINGS, HARD, SHEEP, SLENDER CREEPING, AND STRONG CREEPING. (FESTUCA RUBRA VAR. 185 OMMUTATE GAUD., FESTUCA LONGIFOLIA, FESTUCA OVINA L., AND FESTUCA RUBRA L. VAR.).
   c. 15-40 PERCENT PERENNIAL RYEGRASS (LOLIUM PERENNE).
   d. 5-15 PERCENT ITALIAN RYEGRASS (LOLIUM MULTIFLORUM).

PLANTING TABLE

PAY ITEM #	ITEM NAME	QTY.	UNITS	COMMENTS
610.10	COMPOST	27	CY	INCORPORATE 1 CY INTO LOOSENED SOIL FOR ALL TREES PROPOSED IN EXISTING LAWN AREAS
610.1101	MULCH FOR PLANTING TYPE A, B, & D - WOOD CHIPS AND SHREDDED BARK	18	CY	3" FOR FOR ENTIRE SHRUB AREA AND TREE RINGS
610.1404	TOPSOIL - SPECIAL PLANT MIX	32	CY	FOR SHRUB PLANTING AREAS
610.14000011	STRUCTURAL SOIL MIX	90	CY	MINIMUM 3 FEET DEPTH
610.1605	TURF ESTABLISHMENT - PERFORMANCE	160	SY	LAWN SEED MIX AS PER NYSDOT STANDARD SPECIFICATIONS SECTION 713-04C
610.19	WATERING	36	MGAL	SEE NYSDOT SECTION 610 GROUND VEGETATION - PREPARATION, ESTABLISHMENT AND MANAGEMENT FOR RATE AND SCHEDULE
611.0442	PLANTING - 2' DECIDUOUS SHRUBS	119	EA	STATION: 65+83.32 TO 64+22.18

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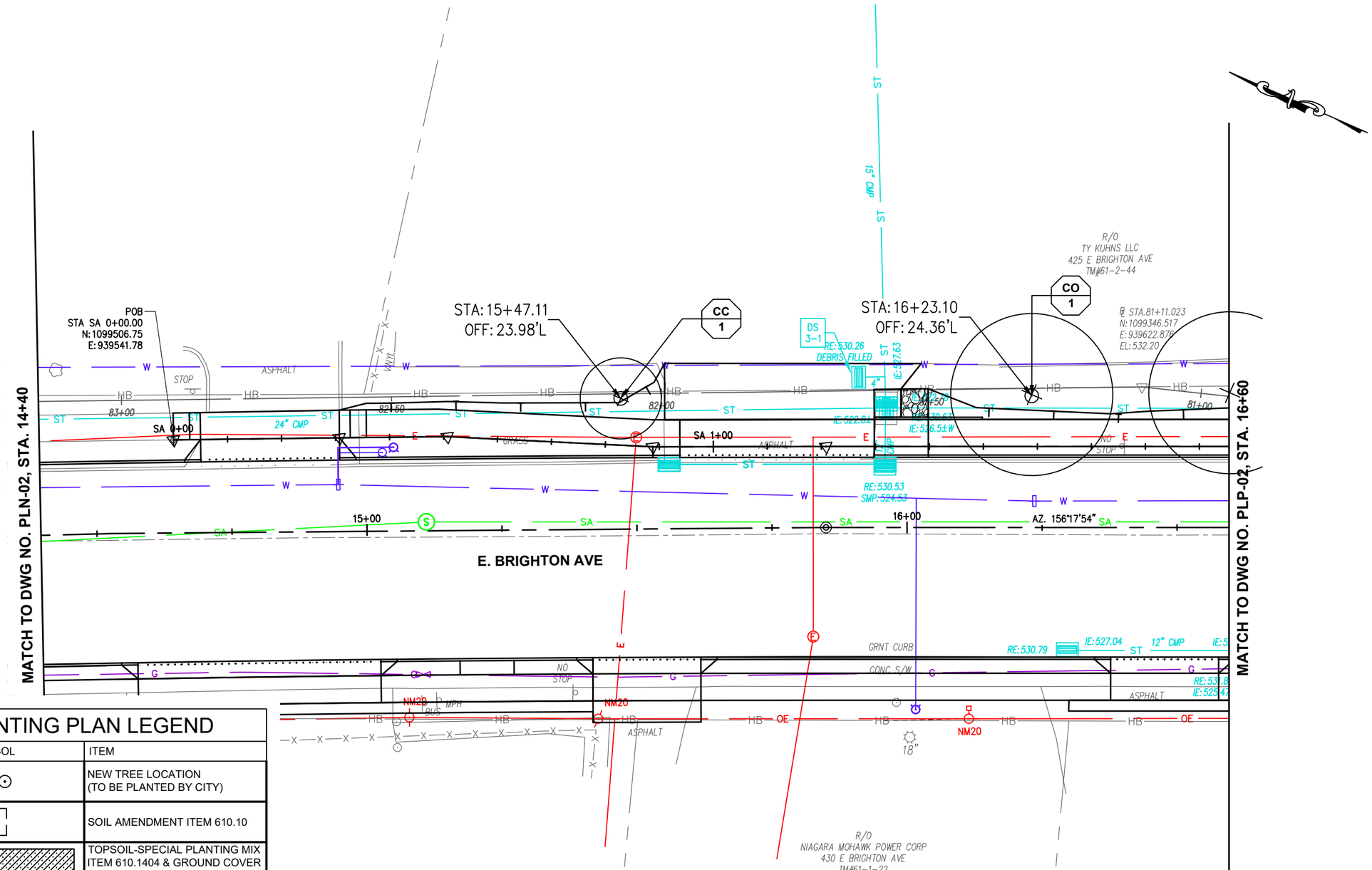
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PLANTING PLAN LEGEND

SYMBOL	ITEM
	NEW TREE LOCATION (TO BE PLANTED BY CITY)
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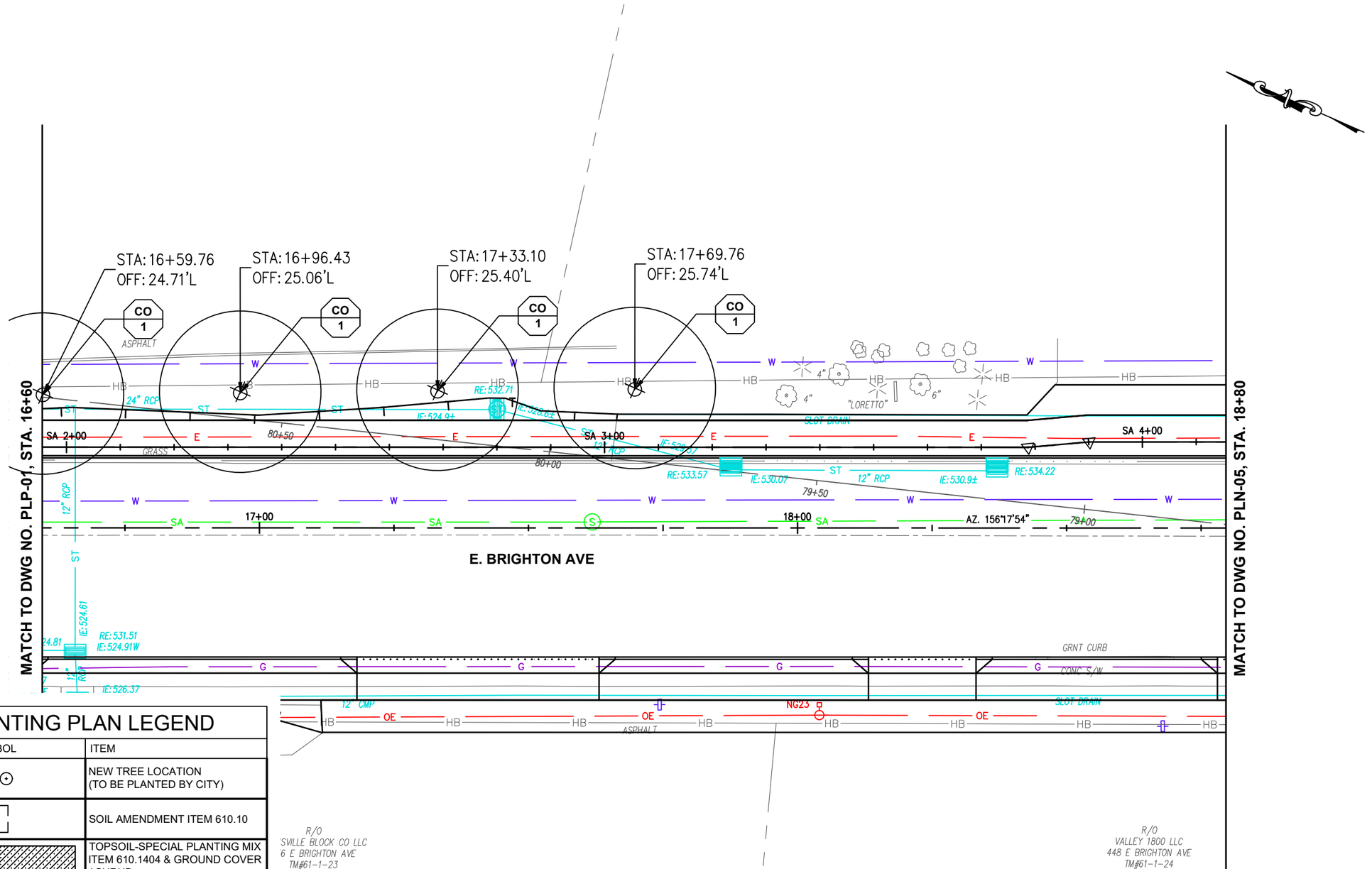
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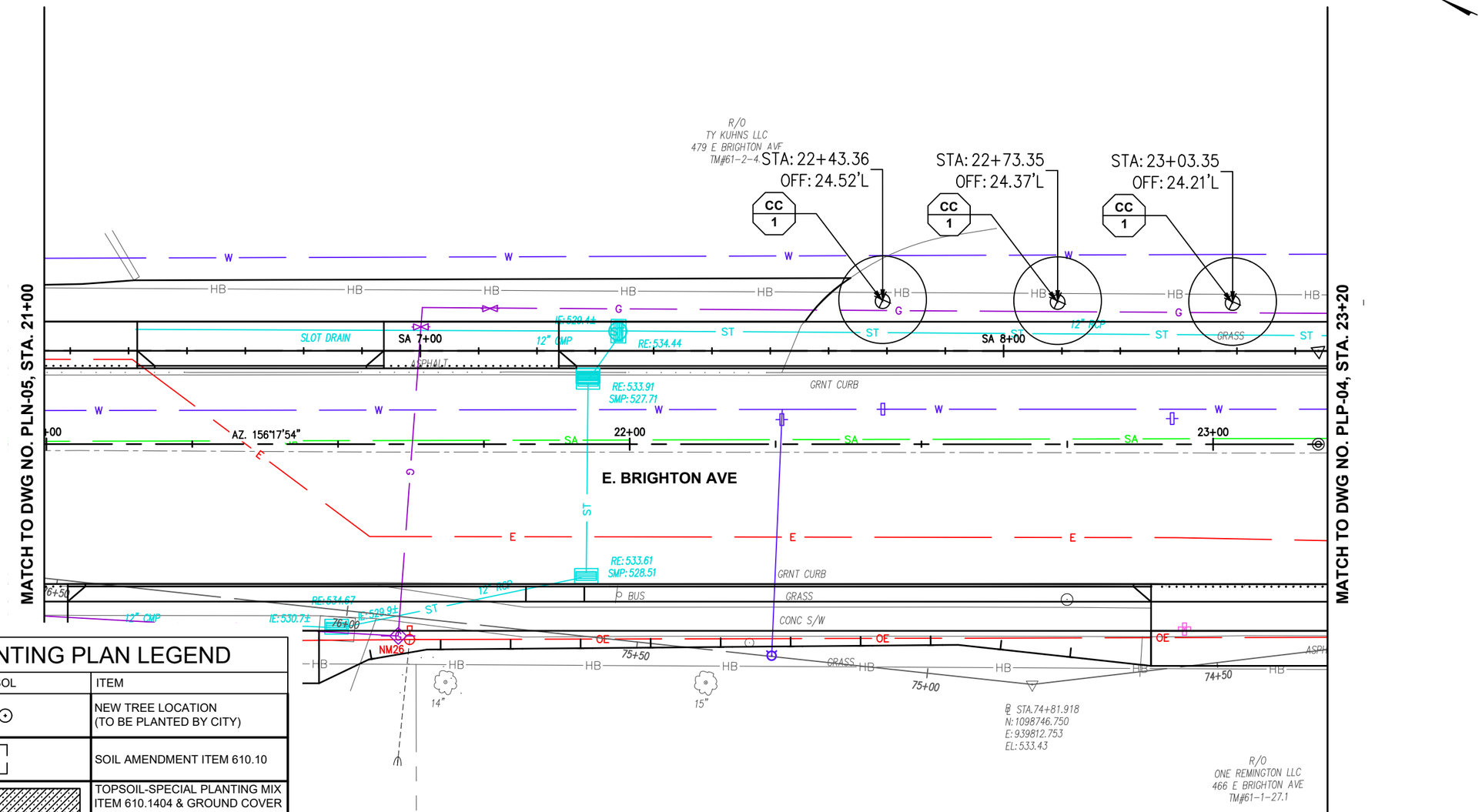
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231 of 241

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PLANTING PLAN LEGEND

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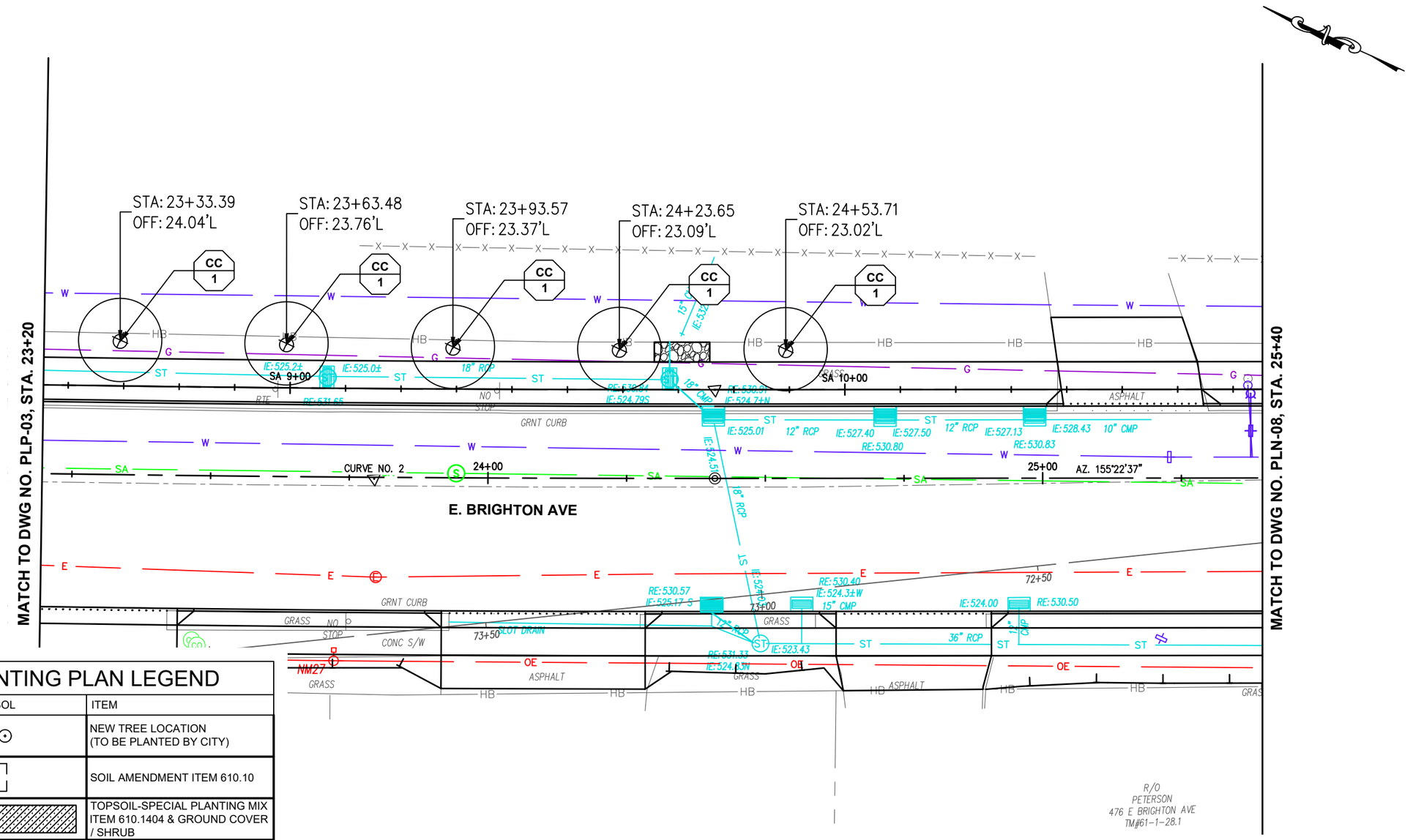
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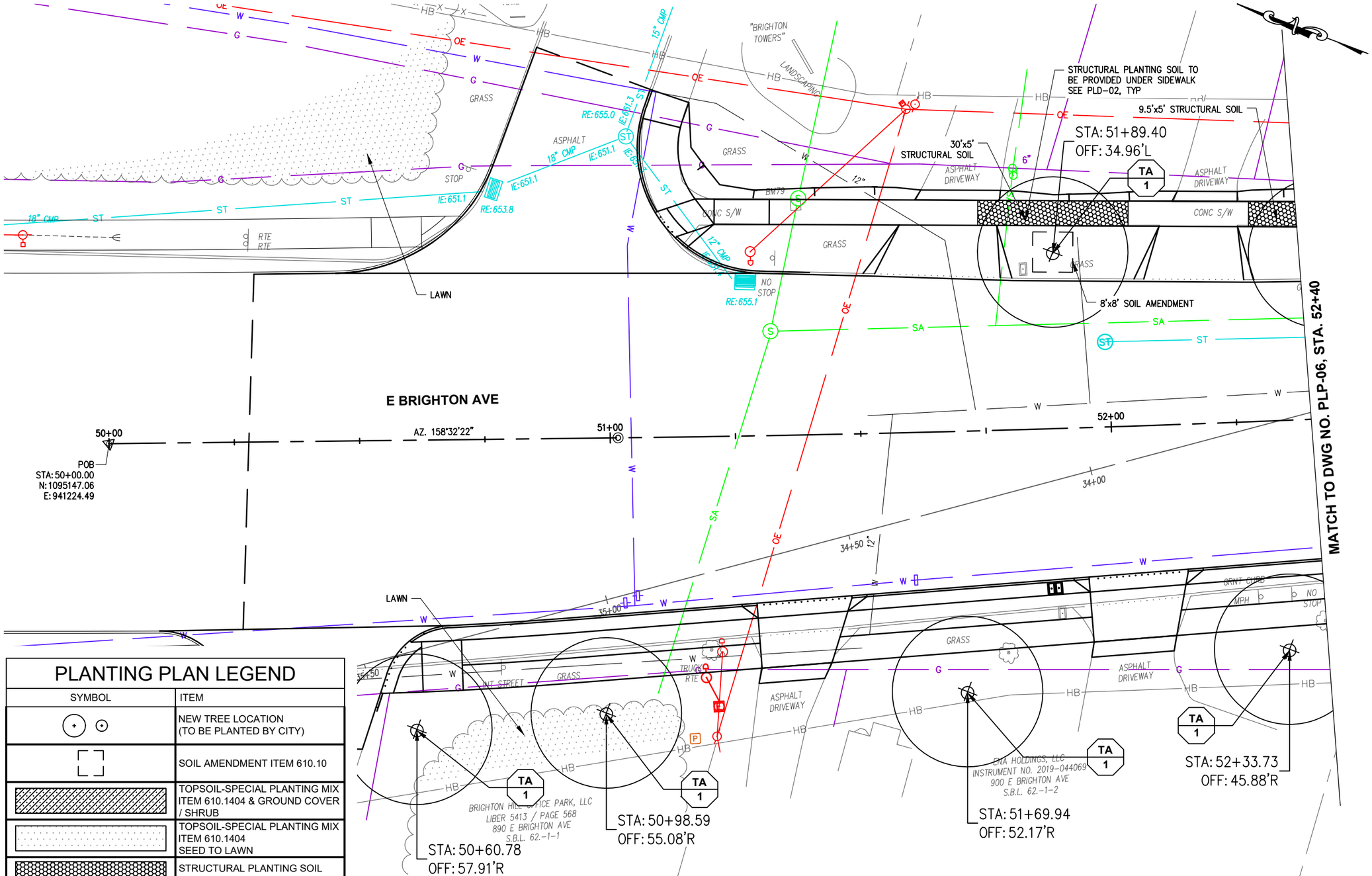
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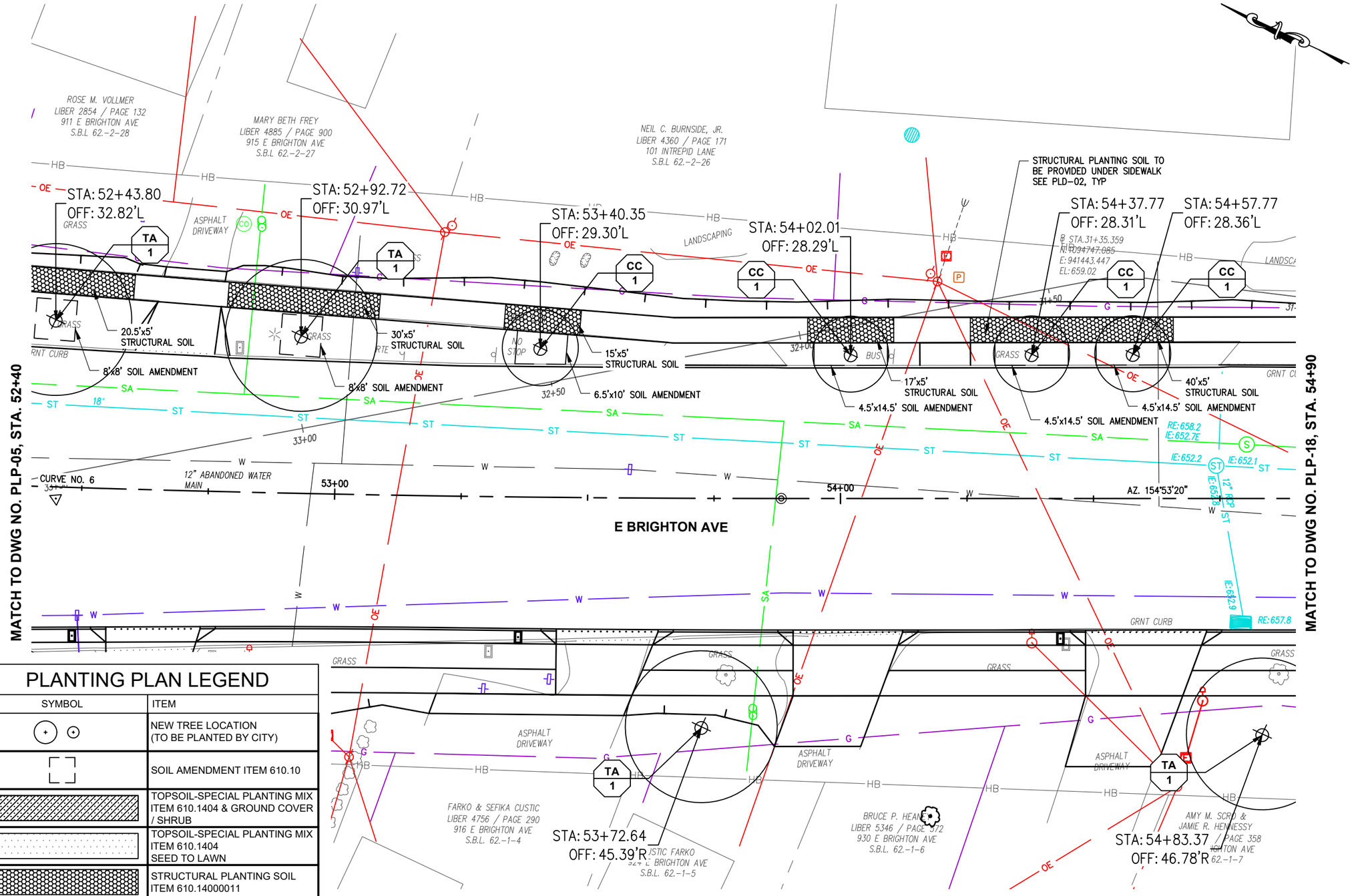
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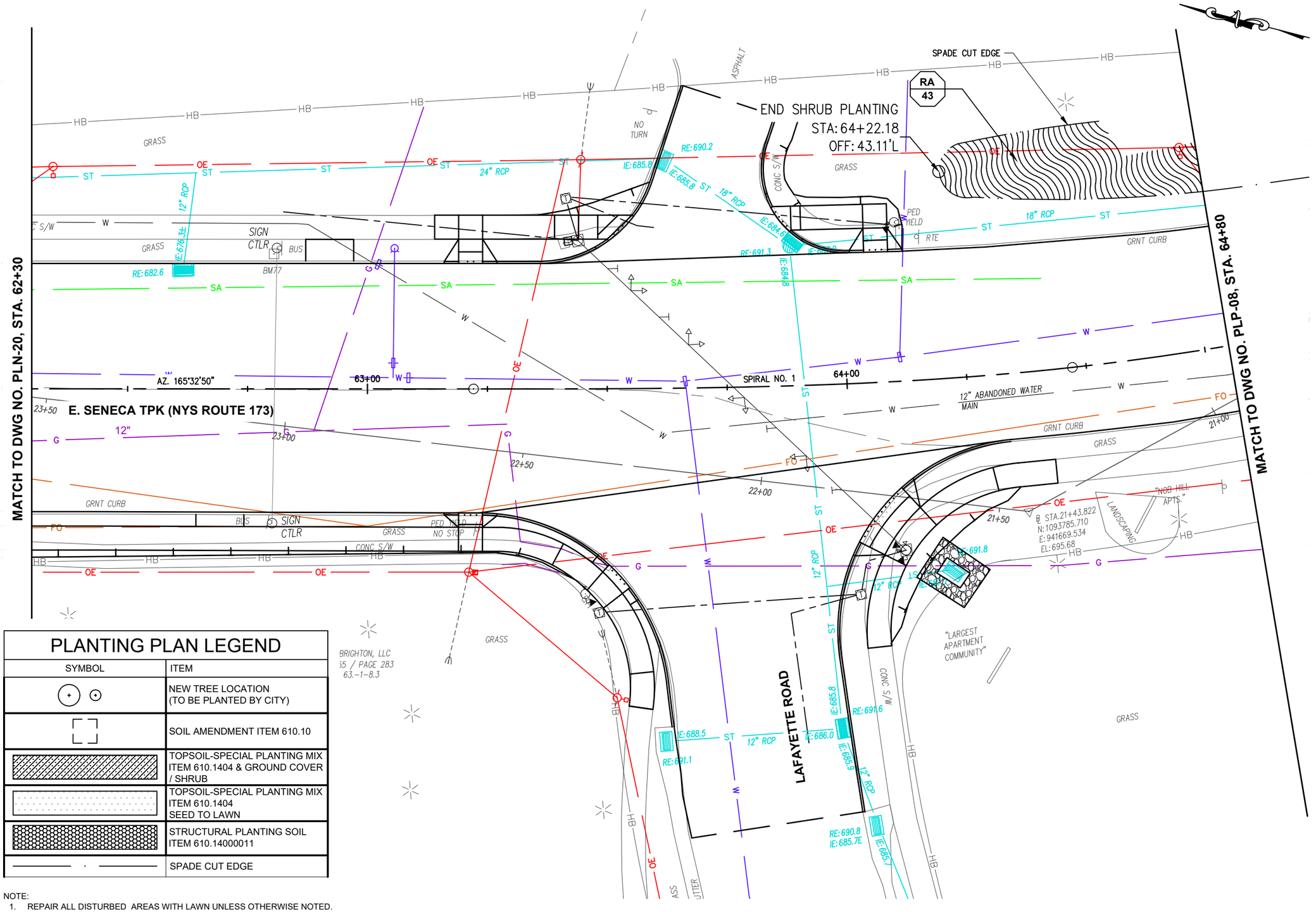
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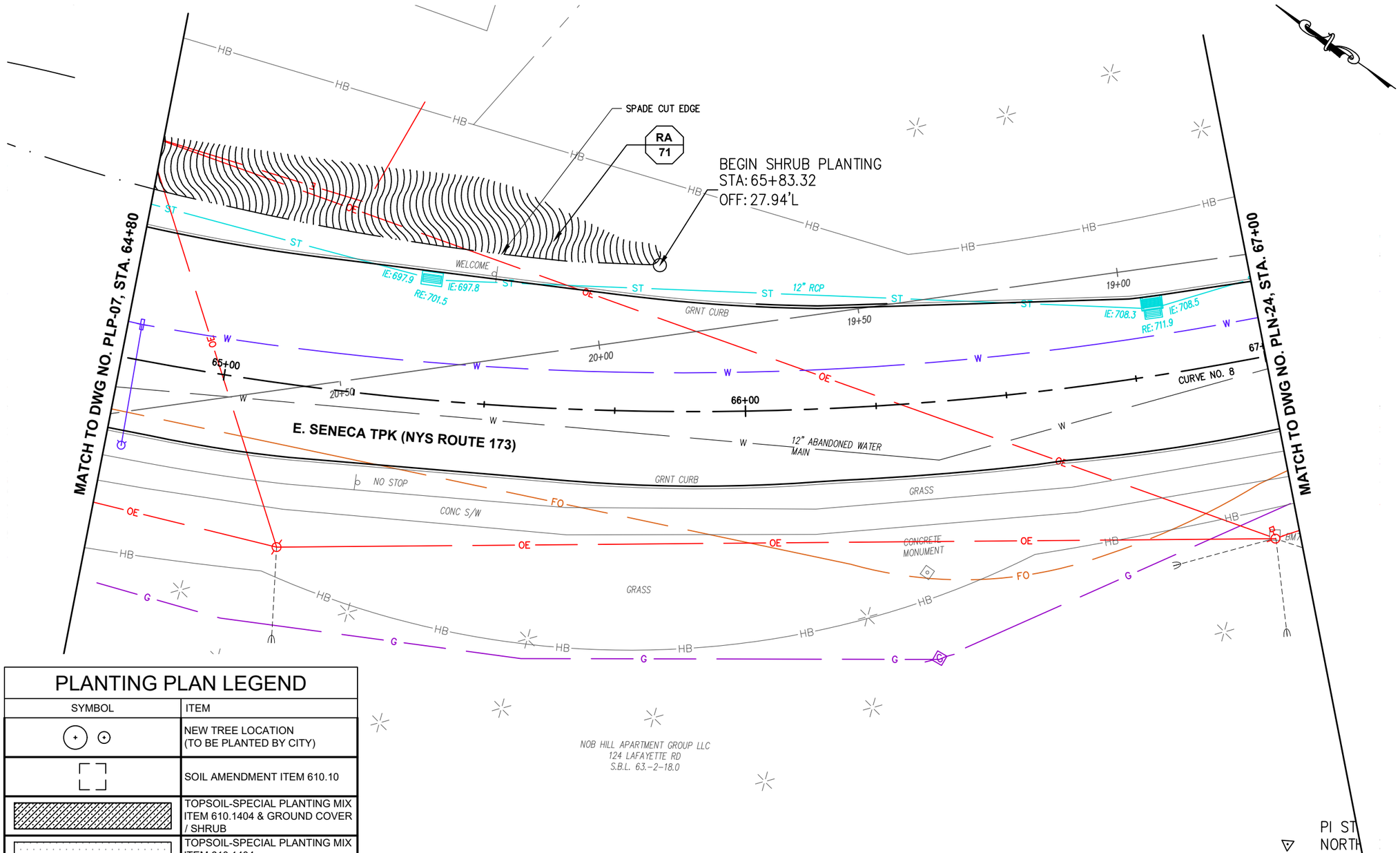
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TABLE OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITIES	
			PROP.	AS-BUILT
201.06	CLEARING AND GRUBBING	LS	1	
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	10292	
203.03	EMBANKMENT IN PLACE	CY	307	
203.07	SELECT GRANULAR FILL	CY	1169	
204.01	CONTROLLED LOW STRENGTH MATERIAL (CLSM)	CY	20	
205.0201	SEGREGATION AND STORAGE OF CONTAMINATED SOIL	LS	1	
205.03	FIELD ORGANIC VAPOR MONITORING OF CONTAMINATED SOIL	HR	40	
205.0401	PETROLEUM CONTAMINATION PARAMETER ANALYSIS	EA	4	
205.0403	LABORATORY ANALYSIS FOR IGNITABILITY	EA	4	
205.0404	LABORATORY ANALYSIS FOR PH	EA	4	
205.0405	LABORATORY ANALYSIS FOR POLYCHLORINATED BIPHENYLS (PCB)	EA	4	
205.0406	LABORATORY ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS	EA	4	
205.0407	LABORATORY ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS DIESEL RANGE ORGANICS	EA	4	
205.050201	DISPOSAL OF CONTAMINATED NON-HAZARDOUS WASTE SOIL	TON	175	
206.0201	TRENCH AND CULVERT EXCAVATION	CY	3627	
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF	501	
206.05	TEST PIT EXCAVATION	EA	16	
207.20	GEOTEXTILE BEDDING	SY	299	
207.21	GEOTEXTILE SEPARATION	SY	8925	
208.5401	STORMWATER TREATMENT SYSTEM SWTD - MAXIMUM TREATMENT FLOW RATE OVER 2.8 CFS UP TO 3.8 CFS	EA	1	
209.11010024	TEMPORARY CATCH BASIN INSERT	EA	92	
209.13	SILT FENCE, TEMPORARY	LF	2631	
209.1801	ROLLED EROSION CONTROL PRODUCT, CLASS 1 TYPE A, SHORT TERM	SY	70	
304.12	SUBBASE COURSE, TYPE 2	CY	6878	
404.0001	PLANT PRODUCTION QUALITY ADJUSTMENT TO WMA ITEMS	QU	590	
404.0002	PAVEMENT DENSITY QUALITY ADJUSTMENTS TO WMA ITEMS	QU	590	
404.0003	LONGITUDINAL JOINT DENSITY QUALITY ADJUSTMENTS TO ASPHALT ITEMS	QU	90	
404.0962	9.5 F2 TOP COURSE WMA, 60 SERIES COMPACTION	TON	2485	
404.1969	19 F9 BINDER COURSE WMA, 60 SERIES COMPACTION	TON	3612	
404.1989	19 F9 BINDER COURSE WMA, 80 SERIES COMPACTION	TON	2030	
404.2589	25 F9 BASE COURSE WMA, 80 SERIES COMPACTION	TON	3075	
407.0102	DILUTED TACK COAT	GAL	11520	
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF	30763	
420.50090304	TOP COURSE POROUS ASPHALT PAVEMENT F9	TON	59	
490.10	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE	SY	24810	
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY	4370	
552.17	SHIELDS AND SHORING	SF	26854	
603.77	CONCRETE COLLARS	EA	6	
603.9812	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 12 INCH DIAMETER	LF	509	
603.9815	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 15 INCH DIAMETER	LF	37	
603.9818	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 18 INCH DIAMETER	LF	192	
603.9824	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 24 INCH DIAMETER	LF	68	
603.9830	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 30 INCH DIAMETER	LF	203	
603.9842	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN 42 INCH DIAMETER	LF	283	
603.99050002	CONCRETE PLUGS FOR SEWER PIPE	EA	11	
604.070301	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA	84	
604.070302	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA	16	
604.070303	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA	3	
604.4048	ROUND PRECAST CONCRETE MANHOLE TYPE 48	LF	16.1	
604.10	PREFABRICATED ADJUSTMENT RINGS FOR MANHOLES	EA	10	
604.11	PREFABRICATED ADJUSTMENT FRAMES FOR DRAINAGE STRUCTURES	EA	28	
604.301016	RECTANGULAR DRAINAGE STRUCTURE TYPE J FOR #16 WELDED FRAME	LF	50.6	
605.0901	UNDERDRAIN FILTER TYPE 1	CY	639.7	
605.1701	OPTIONAL UNDERDRAIN PIPE, 4 INCH DIAMETER	LF	6609	
605.1702	OPTIONAL UNDERDRAIN PIPE, 6 INCH DIAMETER	LF	1068	
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY	916	
608.020102	HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS, BICYCLE PATHS & VEGETATION CONTROL STRIPS	TON	504	
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY	69.1	
609.0212	STONE CURB, NEAR FACE VERTICAL (NVF)	LF	7640	
609.15	RESETTING EXISTING CURB	LF	100	

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STATE OF NEW YORK
DOUGLAS OWEN STRASSER
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NO. 073767

Syracuse
New York

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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ESTIMATE OF QUANTITIES

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TABLE OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITIES	
			PROP.	AS-BUILT
610.10	COMPOST	CY	27	
610.1101	MULCH FOR PLANTING TYPE A, B & D - WOOD CHIPS AND SHREDDED BARK	CY	18	
610.14000011	STRUCTURAL SOIL MIX	CY	90	
610.1403	TOPSOIL - LAWNS	CY	331	
610.1404	TOPSOIL - SPECIAL PLANTING MIX	CY	32	
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY	3172	
610.18	SODDING	SY	1478	
610.19	WATERING VEGETATION (FOR PLANTINGS)	MGAL	36	
611.0442	PLANTING - DECIDUOUS SHRUBS - 2 FOOT HEIGHT/SPREAD CONTAINER OR BOX GROWN	EA	119	
614.0702	PRE-EXISTING STUMP REMOVAL OVER 24 INCH TO 48 INCH DIAMETER AT 6 INCHES ABOVE GRADE	EA	5	
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	1	
619.04	TYPE III CONSTRUCTION BARRICADE	EA	50	
619.0901	TEMPORARY PAVEMENT MARKINGS STRIPES (TRAFFIC PAINT)	LF	37900	
619.100103	INTERIM PAVEMENT MARKINGS, STRIPES (REMOVABLE TAPE)	LF	3406	
619.111122	(PVMS) STANDARD SIZE - LINE OR CHARACTER MATRIX (LED) RADAR,CELLULAR COMMUNICATIONS	EA	5	
619.1613	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT C)	INTM	36	
619.27	MAILBOXES	EA	11	
620.03	STONE FILLING (LIGHT)	CY	100	
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF	70	
621.04	CLEANING DRAINAGE STRUCTURES	EA	5	
623.12	CRUSHED STONE (IN-PLACE MEASURE)	CY	255	
625.01	SURVEY OPERATIONS	LS	1	
625.110001	SURVEY GRADE GPS INSPECTION UNIT	EA	1	
627.50140008	CUTTING PAVEMENT	LF	11564	
637.12	ENGINEERS FIELD OFFICE - TYPE 2	MNTH	12	
637.34	OFFICE TECHNOLOGY AND SUPPLIES	DC	5000	
645.5101	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITHOUT Z-BARS	SF	97.5	
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITH Z-BARS	SF	331.1	
645.52010110	GROUND-MOUNTED SIGN PANELS WITH HIGH VISIBILITY SHEETING AND NON-RETROREFLECTIVE SHEETING WITHOUT Z-BARS	SF	46.5	
645.61	OVERHEAD SIGN PANELS	SF	226	
645.81	TYPE A SIGN POSTS	EA	107	
645.85	POLE MOUNTED SIGN SUPPORT SYSTEM (BAND MOUNTED)	EA	2	
647.21	REMOVAL OF SINGLE SPAN OVERHEAD SIGN PANEL(S), STRUCTURE,AND FOUNDATIONS	EA	2	
647.31	RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SF)	EA	16	
647.51	REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SF)	EA	85	
647.61	REMOVE AND DISPOSE SIGNS, GROUND MOUNTED TYPE A SIGN SUPPORTS AND FOUNDATIONS - SIZE I (UNDER 30 SF)	EA	58	
655.04000006	FURNISH AND INSTALL GRATES IN EXISTING FRAMES	EA	51	
655.1116	WELDED FRAME AND RETICULINE GRATE 16	EA	28	
655.1202	MANHOLE FRAME AND COVER	EA	7	
662.60000108	FURNISHING ELECTRICAL SERVICE	DC	1000	
662.60000208	FURNISHING ELECTRICAL SERVICE	DC	1000	
662.60000308	FURNISHING ELECTRICAL SERVICE	DC	1000	
662.60000408	FURNISHING ELECTRICAL SERVICE	DC	1000	
663.0106	DUCTILE IRON CEMENT LINED WATER PIPE, 6"	LF	108	
663.1006	RESILIENT WEDGE VALVE & VALVE BOX 6"	EA	3	
663.13000010	INSTALL FIRE HYDRANT	EA	10	
663.2001	IRON WATERMAIN FITTINGS	LB	330	
663.31	RELOCATE EXISTING HYDRANT	EA	3	
663.33	ADJUST EXISTING VALVE BOX ELEVATION	EA	58	
663.51000004	FURNISH AND INSTALL NEW WATER VALVE BOX	EA	1	
663.52000004	REMOVE EXISTING WATER VALVE BOX	EA	4	
670.0108	FOUNDATION FOR LIGHT STANDARDS, 8 FEET LONG	EA	3	
670.01101202	LED HIGHWAY LUMINAIRE - 10-135 WATTS, TYPE III DISTRIBUTION, GRAY	EA	1	
670.01112202	LED HIGHWAY LUMINAIRE - 136-180 WATTS, TYPE IV DISTRIBUTION, GRAY	EA	2	
670.1530	ALUMINUM LIGHT STANDARDS FOR SINGLE DAVIT ARM, 30 FEET MOUNTING HEIGHT	EA	3	
670.1715	ALUMINUM DAVIT ARM, 15 FEET LONG	EA	3	
670.2602	RIGID PLASTIC CONDUIT, 2"	LF	31	
670.3001	PULLBOXES LESS THAN 5 CUBIC FEET, INSIDE VOLUME (LIGHTING)	EA	3	
670.7004	SINGLE CONDUCTOR CABLE, NUMBER 6 GAGE	LF	62	
670.7501	GROUND WIRE NO. 6 AWG	LF	31	

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRASSER
LICENSED PROFESSIONAL ENGINEER
NO. 073767

Syracuse
New York

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
CITY OF SYRACUSE
DEPARTMENT OF ENGINEERING
PIN 3756.80

MARK	DATE	DESCRIPTION

PROJECT NO:	119.429.001
DATE:	JANUARY 2025
DRAWN BY:	DJB
DESIGNED BY:	DJB
CHECKED BY:	DOS

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ESTIMATE OF QUANTITIES

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TABLE OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITIES	
			PROP.	AS-BUILT
670.80	REMOVE AND STORE LAMPPOST ASSEMBLY	EA	3	
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	5	
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	53	
680.50500005	REMOVE POLE FOUNDATIONS	LF	3	
680.510301	PULLBOX-CIRCULAR, 24 INCH DIAMETER, REINFORCED CONCRETE	EA	13	
680.510401	PULLBOX-CIRCULAR, 30 INCH DIAMETER, REINFORCED CONCRETE	EA	4	
680.520706	TRAFFIC SIGNAL CONDUIT, RIGID PLASTIC, CLASS 1 OR 2, 2"	LF	185	
680.520708	TRAFFIC SIGNAL CONDUIT, RIGID PLASTIC, CLASS 1 OR 2, 3"	LF	1100	
680.53	CONDUIT JACKING OR BORING	LF	790	
680.621840	TRAFFIC SIGNAL POLE, MAST ARM, 18 FEET MOUNTING HEIGHT, 40 FEET ARM LENGTH	EA	1	
680.621932	TRAFFIC SIGNAL POLE, MAST ARM, 19 FEET MOUNTING HEIGHT, 32 FEET ARM LENGTH	EA	1	
680.621936	TRAFFIC SIGNAL POLE, MAST ARM, 19 FEET MOUNTING HEIGHT, 36 FEET ARM LENGTH	EA	1	
680.621940	TRAFFIC SIGNAL POLE, MAST ARM, 19 FEET MOUNTING HEIGHT, 40 FEET ARM LENGTH	EA	1	
680.621942	TRAFFIC SIGNAL POLE, MAST ARM, 19 FEET MOUNTING HEIGHT, 42 FEET ARM LENGTH	EA	2	
680.622024	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 24 FEET ARM LENGTH	EA	1	
680.622034	TRAFFIC SIGNAL POLE, MAST ARM, 20 FEET MOUNTING HEIGHT, 34 FEET ARM LENGTH	EA	1	
680.622156	TRAFFIC SIGNAL POLE, MAST ARM, 21 FEET MOUNTING HEIGHT, 56 FEET ARM LENGTH	EA	1	
680.631944	TRAFFIC SIGNAL POLE, DUAL MAST ARM, 19 FEET MOUNTING HEIGHT, 44 FEET ARM LENGTH	EA	1	
680.631946	TRAFFIC SIGNAL POLE, DUAL MAST ARM, 19 FEET MOUNTING HEIGHT, 46 FEET ARM LENGTH	EA	1	
680.631948	TRAFFIC SIGNAL POLE, DUAL MAST ARM, 19 FEET MOUNTING HEIGHT, 48 FEET ARM LENGTH	EA	1	
680.681001	PEDESTRIAN SIGNAL POLE-BRACKET MOUNT 10 FEET OVERALL POLE HEIGHT STEEL	EA	14	
680.700604	RISER ASSEMBLY, 1 1/2" DIAMETER	EA	4	
680.730514	SIGNAL CABLE 5 CONDUCTORS, 14 AWG	LF	4000	
680.730714	SIGNAL CABLE 7 CONDUCTORS, 14 AWG	LF	2560	
680.77001005	MODIFY TRAFFIC SIGNAL INSTALLATION LOCATION 1	ELOC	1	
680.79001005	REMOVE TRAFFIC SIGNAL INSTALLATION LOCATION 1	ELOC	1	
680.79002005	REMOVE TRAFFIC SIGNAL INSTALLATION LOCATION 2	ELOC	1	
680.79003005	REMOVE TRAFFIC SIGNAL INSTALLATION LOCATION 3	ELOC	1	
680.79004005	REMOVE TRAFFIC SIGNAL INSTALLATION LOCATION 4	ELOC	1	
680.79005005	REMOVE TRAFFIC SIGNAL INSTALLATION LOCATION 5	ELOC	1	
680.80370501	CONTROLLER AND CABINET 4 THROUGH 8 PHASE FULL TRAFFICACTUATED (NEMA)	EA	4	
680.810101	TRAFFIC SIGNAL MODULE - 12 INCH, RED BALL, LED	EA	29	
680.810102	TRAFFIC SIGNAL MODULE - 12 INCH, RED ARROW, LED	EA	3	
680.810103	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW BALL, LED	EA	29	
680.810104	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW ARROW, LED	EA	9	
680.810105	TRAFFIC SIGNAL MODULE - 12 INCH, GREEN BALL, LED	EA	29	
680.810106	TRAFFIC SIGNAL MODULE - 12 INCH GREEN ARROW, LED	EA	7	
680.810601	TRAFFIC SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EA	106	
680.81230008	TRAFFIC SIGNAL BRACKET ASSEMBLY-1 WAY MAST ARM MOUNT (CABLE TYPE)	EA	32	
680.813105	PEDESTRIAN SIGNAL MODULE - 12 INCH BI-MODAL,HAND/MAN SYMBOLS LED	EA	26	
680.813106	PEDESTRIAN SIGNAL SECTION - POLYCARBONATE, TYPE I, 12 INCH	EA	52	
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY	EA	26	
680.8151	ACCESIBLE PEDESTRIAN SIGNAL (APS)	EA	25	
680.8152	ACCESIBLE PEDESTRIAN SIGNAL (APS) W/ POST	EA	1	
680.815001	PEDESTRIAN COUNTDOWN TIMER MODULE	EA	26	
680.81990003	TRAFFIC SIGNAL BACK PLATES WITH YELLOW REFLECTIVE TAPE	EA	32	
680.8205	OVERHEAD SIGN ASSEMBLY, TYPE E	EA	19	
680.8223	BREAKAWAY TRANSFORMER BASE	EA	14	
680.82501009	PREEMPT SYSTEM OPTICAL DETECTOR - SINGLE CHANNEL,ONE DIRECTION (MAST ARM)	EA	4	
680.82505009	PREEMPT SYSTEM OPTICAL DETECTOR - DUAL CHANNEL, TWODIRECTION (MAST ARM)	EA	3	
680.82516009	PREEMPT SYSTEM - TYPE 3 PHASE SELECTOR - 4 CHANNELS	EA	4	
680.82540009	PREEMPT SYSTEM - DETECTOR CABLE - SHIELDED,3 CONDUCTOR WITHSTRANDED GROUND, AWG #20	LF	660	
680.90920001	ELECTRIC METER SOCKET, 100 AMPERES, SNG PHASE, 120 VOLTSFOR TRAF SIGNAL LIGHT CIRCUITS (NIAGARA MOHAWK POWER CO)	EA	4	
680.9499	INSTALL ELETRICAL DISCONNECT/GENERATOR TRANSFER SWITCH	EA	4	
680.950106	ELETRICAL SERVICE CABLE 1 WIRE 6 GAUGE	LF	360	
685.1102	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	2147	
685.1202	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	12534	
685.3104	WHITE EPOXY REFLECTORIZED PAVEMENT SPECIAL STRIPES -20 MIL PORTABLE/HAND APPLICATION	LF	14543	
685.3204	YELLOW EPOXY REFLECTORIZED PAVEMENT SPECIAL STRIPES -20 MIL PORTABLE/HAND APPLICATION	LF	1418	
685.3304	WHITE EPOXY REFLECTORIZED PAVEMENT LETTERS - 20 MILS PORTABLE/HAND APPLICATION	EA	32	

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1/9/2025

STATE OF NEW YORK
DOUGLAS OWEN STRASSER
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Syracuse
NEW YORK

D040386

EAST BRIGHTON AVENUE
2R PAVING PROJECT
THURBER STREET TO CITY LIMIT
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TABLE OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITIES	
			PROP.	AS-BUILT
685.3404	WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS - 20 MILS PORTABLE/HAND APPLICATION	EA	98	
691.04000020	TRAINING REQUIREMENTS	DC	25400	
697.03	FIELD CHANGE PAYMENT	DC	413000	
698.04	ASPHALT PRICE ADJUSTMENT	DC	18800	
698.05	FUEL PRICE ADJUSTMENT	DC	14500	
698.06	STEEL/IRON PRICE ADJUSTMENT	DC	100	
699.040001	MOBILIZATION	LS	1	

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STATE OF NEW YORK
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Syracuse
New York

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THURBER STREET TO CITY LIMIT
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