CONTRACT DRAWINGS
FOR THE CONSTRUCTION OF

REPLACEMENT OF OLD POLAND ROAD BRIDGE OVER CINCINNATI CREEK BIN 2205960

ONEIDA COUNTY DEPARTMENT OF PUBLIC WORKS
5999 JUDD ROAD
ORISKANY, NY 13424

GOVERNMENT PROJECT NO.: PIN 2754.67

C&S PROJECT NO.: 146.168.001

MARCH 2026

CONTRACTOR'S NAME _____

AWARD DATE _____

COMPLETION DATE _____

FINAL ACCEPTANCE DATE _____

ENGINEER IN CHARGE _____

FINAL COST TOTAL _____

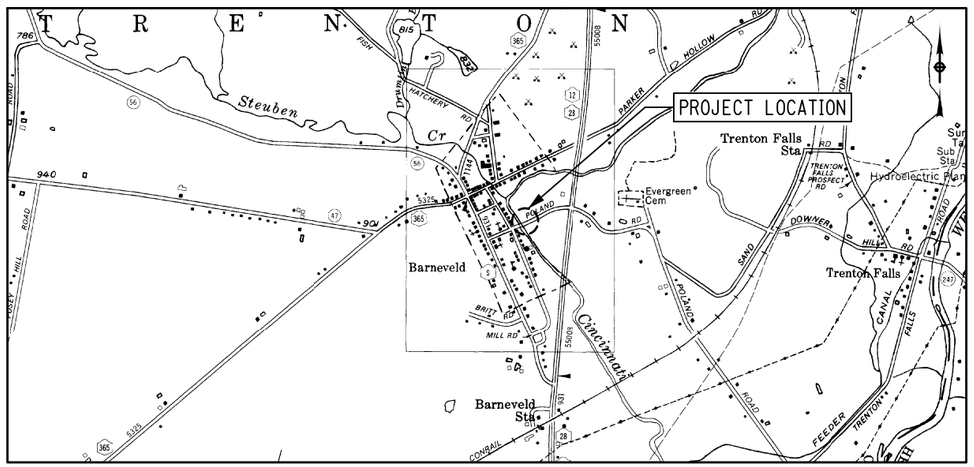
STANDARD SPECIFICATION

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE NYSDOT STANDARD SPECIFICATIONS (US CUSTOMARY UNITS) OF JANUARY 1, 2026 (UPDATED), EXCEPT AS MODIFIED ON THESE PLANS AND IN THE ITEMIZED PROPOSAL.

CONTRACT PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH NYSDOT POLICIES AND GUIDELINES AND THE FINAL DESIGN REPORT APPROVED MARCH 14, 2025.

MAINTENANCE JURISDICTION

THE OWNERSHIP AND MAINTENANCE RESPONSIBILITY OF THE VARIOUS FEATURES WITHIN THE EXISTING RIGHT OF WAY WILL REMAIN WITH THE TOWN OF TRENTON.



LOCATION MAP
NOT TO SCALE

NYSDOT STANDARD SHEETS

207-01 554-01 605-02 606-04 608-03 609-01 611-01 619-01 619-02 619-04 619-10 619-12 645-01 645-03 645-07 646-13 646-14 646-15 655-02 663-01 663-02 663-03 663-04 663-05 663-06 663-07 685-01

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE DEPARTMENT, 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.

RECOMMENDED BY:

James F. Craig 3/25/2026

JAMES F. CRAIG DATE

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499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
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APPROVED BY:

MATTHEW BAISLEY DATE
COMMISSIONER

STATE OF NEW YORK
JAMES F. CRAIG
078434
LICENSED PROFESSIONAL ENGINEER

ALIGNMENT

ABBR.	DESCRIPTION
AH	AHEAD
AZ	AZIMUTH
BK	BACK
BL	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
ML	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 WO/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
PL	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

INDEX (CONTINUED)

STATE OF NEW YORK
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ONEIDA COUNTY NEW YORK 1798

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

PIN 2754.67
BIN 2205960

LD040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

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

GENERAL

INDEX AND ABBREVIATIONS

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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
S	EBLHS	BALE, STRAW
	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
AA	EWAA_P	WETLAND, ADJACENT AREA
	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
	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
	UC	CONDUIT, UNDERGROUND
]C[	UCH	CONDUIT, HANGING
	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
	UTVO	CABLE TV, 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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REVISIONS		

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DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

GENERAL

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

CELL	NAME	DESCRIPTION
CULV	EIOP_P	STR., INLET, OUTLET PROT.
GB	EIPGB_P	STR., INLET PROT., GRAVEL BAG
H/S	EIPHS_P	STR., INLET PROT., HAY/STRAW
PRFB	EIPP_P	STR., INLET PROT., PREFAB.
SF	EIPSF_P	STR., INLET PROT., SILT FENCE
	ERCB	RISER, CONCRETE BOX
	ETRS_P	TRAP, SEDIMENT
	EWFG	WETLAND FLAG

GEOTECHNICAL

	GDH	DRILL HOLE

LANDSCAPE

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

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
	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

CELL	NAME	DESCRIPTION
MI PT FEE	MFS_P_T	FEE ACQUISITION
MI PT PE	MEPS_P_T	EASEMENT, PERMANENT
MI PT TE	METS_P_T	EASEMENT, TEMPORARY
MI PT TO	METS_P_T	OCCUPANCY, TEMPORARY
MI PT 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
	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
	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
C	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
	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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ONEIDA COUNTY NEW YORK 1798

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

GENERAL

LEGEND POINTS

LEG-02

SHEET 04 OF 74

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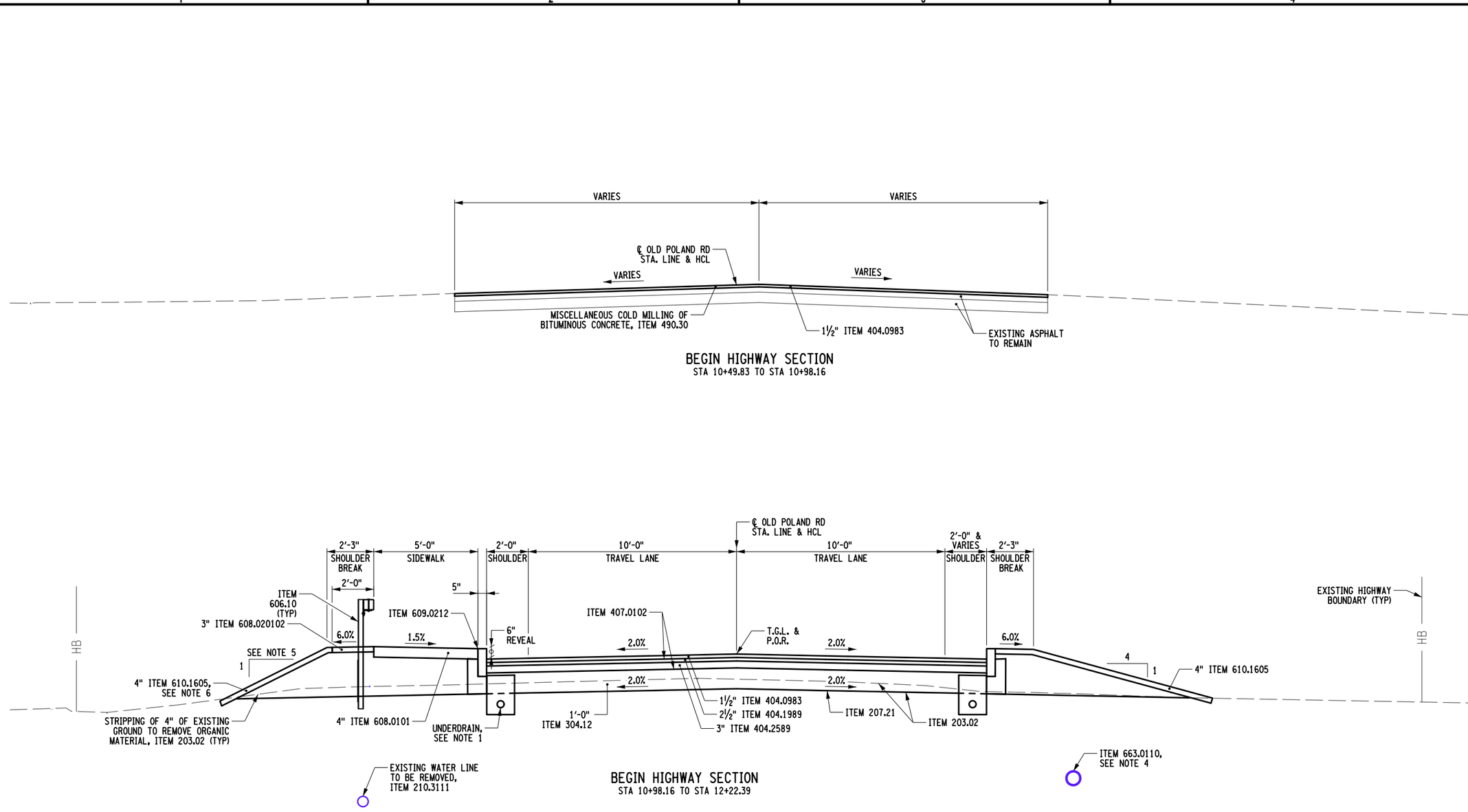
BEGIN HIGHWAY SECTION
STA 10+49.83 TO STA 10+98.16



BEGIN HIGHWAY SECTION
STA 10+98.16 TO STA 12+22.39

ITEM	DESCRIPTION	UNIT
ITEM 203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
ITEM 207.21	GEOTEXTILE SEPARATION	SY
ITEM 210.3111	REMOVAL AND DISPOSAL OF UNDERGROUND PIPE ACM (BV 14)	LF
ITEM 304.12	SUBBASE COURSE, TYPE 2	CY
ITEM 404.0983	9.5 F3 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TONS
ITEM 404.1989	19 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TONS
ITEM 404.2589	25 F9 BASE COURSE ASPHALT, 80 SERIES COMPACTION	TONS
ITEM 407.0102	DILUTED TACK COAT	GAL
ITEM 418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
ITEM 490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY
ITEM 606.10	BOX BEAM GUIDE RAILING	LF
ITEM 608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
ITEM 608.020102	ASPHALT SIDEWALKS, DRIVEWAYS & BICYCLE PATHS, & VEGETATION CONTROL STRIPS	TONS
ITEM 609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
ITEM 610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY
ITEM 663.0110	DUCTILE IRON CEMENT LINED WATER PIPE, 10"	LF

NOTES:

1. SEE DWG. NO. MSD-01 FOR UNDERDRAIN DETAIL.
2. DILUTED TACK COAT (ITEM 407.0102) SHALL BE USED BETWEEN ALL LIFTS OF NEW ASPHALT PAVEMENT.
3. ASPHALT JOINT ADHESIVE (ITEM 418.7603) SHALL BE USED AT ALL VERTICAL FACES OF CONSTRUCTION JOINTS. SEE DWG. NO. MSD-01 FOR DETAIL.
4. SEE UTILITY DRAWINGS FOR WATER LINE DETAILS.
5. SEE GRADING PLAN FOR SLOPE DETAILS.
6. DAYLIGHT SUBBASE WHEN POSSIBLE.

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ONEIDA COUNTY 1798 NEW YORK

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REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

CIVIL

HIGHWAY TYPICAL SECTIONS (1 OF 2)

TYP-01
SHEET 05 OF 74

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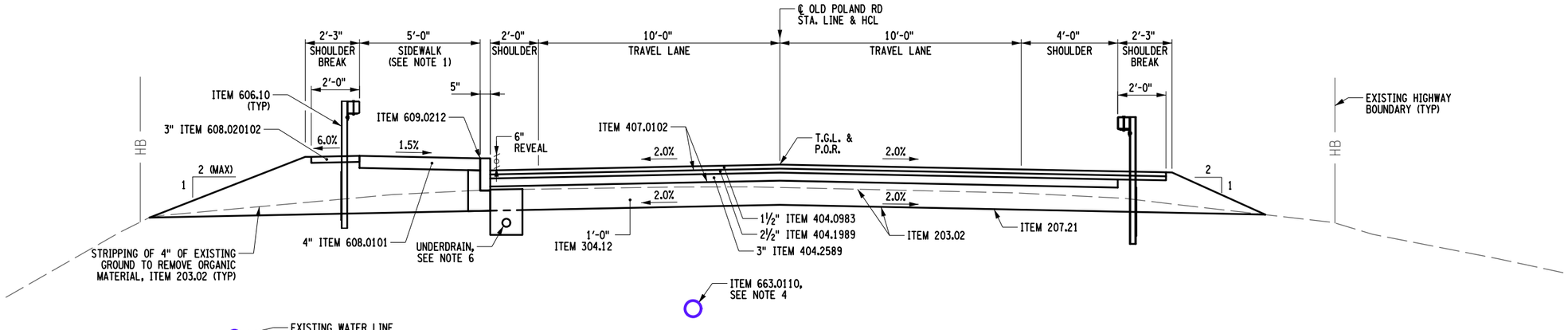
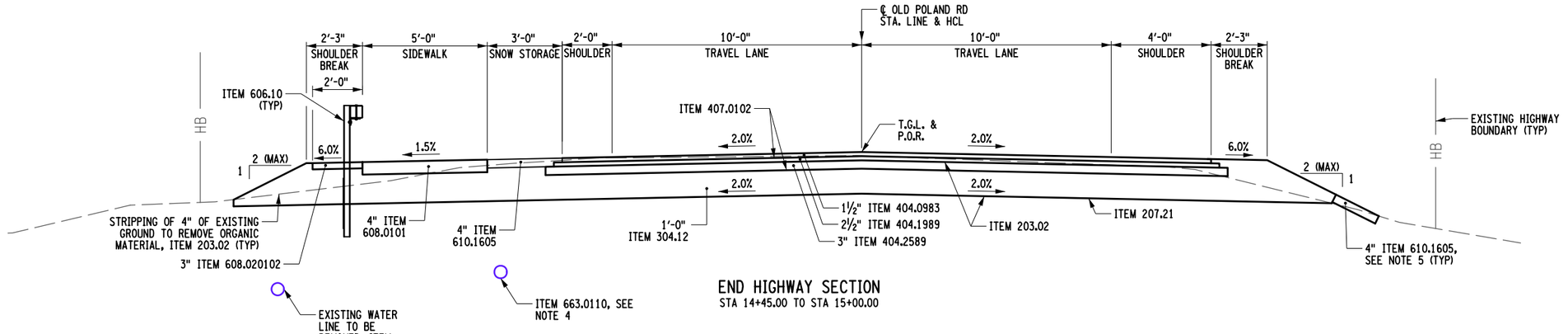
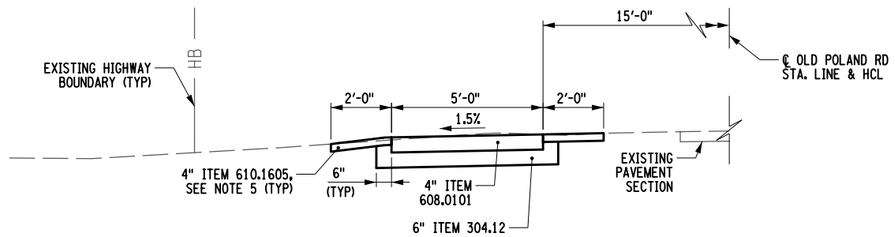


END HIGHWAY SECTION
STA 13+55.61 TO STA 14+45.00



END HIGHWAY SECTION
STA 14+45.00 TO STA 15+00.00



SIDEWALK SECTION
STA 15+00.00 TO STA 16+82.42

ITEM	DESCRIPTION	UNIT
ITEM 203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY
ITEM 207.21	GEOTEXTILE SEPARATION	SY
ITEM 203.03	EMBANKMENT IN PLACE	CY
ITEM 210.3111	REMOVAL AND DISPOSAL OF UNDERGROUND PIPE ACM (BV 14)	LF
ITEM 304.12	SUBBASE COURSE, TYPE 2	CY
ITEM 404.0983	9.5 F3 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TONS
ITEM 404.1989	19 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TONS
ITEM 404.2589	25 F9 BASE COURSE ASPHALT, 80 SERIES COMPACTION	TONS
ITEM 407.0102	DILUTED TACK COAT	GAL
ITEM 418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
ITEM 606.10	BOX BEAM GUIDE RAILING	LF
ITEM 608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY
ITEM 608.020102	ASPHALT SIDEWALKS, DRIVEWAYS & BICYCLE PATHS, & VEGETATION CONTROL STRIPS	TONS
ITEM 609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
ITEM 610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY
ITEM 663.0110	DUCTILE IRON CEMENT LINED WATER PIPE, 10"	LF

NOTES:

1. SEE ROADWAY PLAN FOR SIDEWALK WIDTHS. SEE DWG. NO. CRD-01 FOR SIDEWALK OFFSET TRANSITION DETAIL.
2. DILUTED TACK COAT (ITEM 407.0102) SHALL BE USED BETWEEN ALL LIFTS OF NEW ASPHALT PAVEMENT.
3. ASPHALT JOINT ADHESIVE (ITEM 418.7603) SHALL BE USED AT ALL VERTICAL FACES OF CONSTRUCTION JOINTS. SEE DWG. NO. MSD-01 FOR DETAIL.
4. SEE UTILITY DRAWINGS FOR WATER LINE DETAILS.
5. DAYLIGHT SUBBASE WHEN POSSIBLE.
6. SEE DWG. NO. MSD-01 FOR CURB AND UNDERDRAIN DETAIL.

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ONEIDA COUNTY NEW YORK 1798

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REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

CIVIL

HIGHWAY TYPICAL SECTIONS (2 OF 2)

TYP-02

SHEET 06 OF 74

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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 - 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 NECESSARY, THERE IS JUSTIFIABLE CAUSE TO DO SO.

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

GENERAL NOTES

1. THE CONTRACTOR SHALL FOLLOW THE PROVISIONS OF THE NYSDOT STANDARD SPECIFICATIONS, LATEST REVISION, ALL ADDENDA BULLETINS, AND ENGINEERING INSTRUCTIONS DISTRIBUTED BY NYSDOT FOR CONSTRUCTION AND MATERIALS SPECIFICATIONS EXCEPT AS MODIFIED BY THE "CONSTRUCTION CONTRACT DOCUMENTS".
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO EXISTING PAVEMENT, CURB, LAWN AREAS, TREES, AND OTHER EXISTING FEATURES OUTSIDE THE CONSTRUCTION LIMITS CAUSED BY THEIR OPERATIONS. ALL SUCH DAMAGE SHALL BE REPAIRED OR REPLACED IN KIND TO THE SATISFACTION OF THE ENGINEER BY THE CONTRACTOR AT THE EXPENSE OF THE CONTRACTOR. NO WORK SHALL BE PERFORMED OUTSIDE THE HIGHWAY BOUNDARY AND PE LINES.
3. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION, SUBSURFACE EXPLORATION 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.
4. 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.
5. 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.
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, OR AS ORDERED BY ENGINEER.
8. ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATION NOT DESIGNATED FOR OTHER TREATMENT SHALL BE FINE GRADED, TOP SOILED AND SEEDED. FINE GRADING SHALL BE SHAPED TO ALLOW FOR SURFACE DRAINAGE AND RETURNED TO ITS ORIGINAL CONDITION.
9. WORK AREAS ARE SHOWN ON THE DRAWINGS. THE ACTUAL LIMITS OF WORK SHALL BE CONFIRMED IN THE FIELD AT THE TIME OF CONSTRUCTION. THE ENGINEER SHALL DEFINE SPECIFIC LIMITS WHERE QUESTIONS ARISE.
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. MATERIALS, EQUIPMENT AND VEHICLES SHALL NOT BE STORED OR PARKED WITHIN THE HIGHWAY RIGHT-OF-WAY BEFORE WORK BEGINS OR AFTER CONTRACTOR'S OPERATIONS ARE SHUT DOWN. STAGING AREAS OUTSIDE THE RIGHT-OF-WAY SHALL BE USED TO STOCKPILE ALL CONSTRUCTION MATERIALS, DURING WORKING HOURS, NO CONSTRUCTION MATERIAL MAY BE STORED OR PLACED ON THE ROADWAY OR ROADBED EXCEPT WITHIN A PROTECTED WORK AREA.

PERMITS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED STATE AND MUNICIPAL PERMITS WITHIN THE HIGHWAY RIGHT-OF-WAY, INCLUDING DRIVEWAY RELEASES FROM INDIVIDUAL PROPERTY OWNERS.
2. A NYSDOT HIGHWAY WORK PERMIT IS REQUIRED FOR ALL WORK (INCLUDING WZTC) WITHIN THE NYS RIGHT-OF-WAY. REFER TO THE NYSDOT STANDARD HIGHWAY WORK PERMIT NOTES ON THIS SHEET.
3. SEE SPECIAL NOTES IN BID PROPOSAL BOOK FOR ADDITIONAL PERMIT NOTES.

DRIVEWAYS AND ACCESS TO BUSINESSES

1. THE CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES ALONG THE PROJECT AREA. THIS INCLUDES ACCESS NEEDS FOR VEHICLES, PEDESTRIANS, BUSSES, AND EMERGENCY VEHICLES/PERSONNEL.

DISPOSAL OF CONSTRUCTION AND DEMOLITION DEBRIS

1. THERE ARE NO AREAS WITHIN THE CONTRACT LIMITS AVAILABLE FOR DISPOSAL OF DEBRIS.

DRAINAGE FACILITIES

1. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE DRAINAGE CHARACTERISTICS OF THE PROJECT AREA 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.

UTILITY NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY WORK WITH THE RESPECTIVE OWNERS DURING CONSTRUCTION. SEE SPECIAL NOTES IN BID PROPOSAL BOOK.
2. THE APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN ON THE PLANS. SUBSURFACE UTILITIES ON THIS PROJECT ARE QLC. SUBSURFACE LOCATIONS PER DIGITAL RESPONSES ASSOCIATED TO DESIGN TICKET SUBMITTED TO DIG SAFE NEW YORK.

   QUALITY LEVEL C (QLC): 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.
3. 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. ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION THAT ARE SHOWN OR NOT SHOWN ON THE PLANS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

TREE CUTTING RESTRICTIONS

1. IN ORDER TO PREVENT ANY DIRECT TAKINGS OF INDIANA BAT OR NORTHERN LONG EARED BAT, WHICH ARE BOTH FEDERAL AND STATED LISTED THREATENED SPECIES, THE CONTRACTOR'S ATTENTION IS HEREBY DIRECTED THAT TREE CUTTING SHALL ONLY BE PERFORMED FROM OCTOBER 31 THROUGH MARCH 31. THESE RESTRICTIONS APPLY TO TREES THAT ARE 3 INCHES IN DIAMETER OR GREATER AT BREAST HEIGHT.

NYSDOT STANDARD HIGHWAY WORK PERMIT NOTES

1. THE ROADWAY SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
2. ROADSIDE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES.
3. MATERIALS, EQUIPMENT AND VEHICLES SHALL NOT BE STORED OR PARKED WITHIN TOWN OF TRENTON OR THE NEW YORK STATE RIGHT-OF-WAY.
4. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL COMPLY WITH THE 2023 EDITION OF THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND THE NEW YORK STATE SUPPLEMENT, AND SHALL BE IN ACCORDANCE WITH THE NYSDOT CONTRACT OR HIGHWAY WORK PERMIT DOCUMENTS AND AS DEEMED NECESSARY BY THE ENGINEER IN CHARGE.
5. NOTIFY NEW YORK STATE DEPARTMENT OF TRANSPORTATION RESIDENT ENGINEER AND COUNTY ENGINEER THREE WORKING DAYS PRIOR TO WORKING IN THE STATE RIGHT-OF-WAY.
6. NOTIFY DIG SAFELY NEW YORK THREE WORKING DAYS PRIOR TO DIGGING, DRILLING OR BLASTING AT 811, FOR A UTILITY STAKEOUT.
7. ALL WORK COMPLETED AND MATERIALS USED WITHIN THE NYS RIGHT-OF-WAY SHALL BE COVERED BY AND IN CONFORMITY WITH THE NYS DEPARTMENT OF TRANSPORTATION SPECIFICATIONS BOOK (JANUARY 1, 2024) AND ANY SUBSEQUENT ADDENDA IN EFFECT ALONG WITH ANY APPROPRIATE CURRENT NYS DEPARTMENT OF TRANSPORTATION STANDARD SHEETS, EXCEPT AS MODIFIED IN THESE PLANS AND IN THE ITEMIZED PROPOSAL.
8. QUALITY CONTROL OF ASPHALT CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 404 OF THE STANDARD SPECIFICATIONS. ASPHALT COURSE DEPTHS SHOWN ON THE PLANS ARE COMPACTED DEPTHS.
9. ANY AREA DAMAGED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR, AS ORDERED BY THE ENGINEER, AT NO EXPENSE TO THE STATE.
10. WHEN PROPOSED WORK SHOWN IN THE PLANS AND PROPOSAL DIFFERS FROM THE STANDARD SHEET AND THE STANDARD SPECIFICATIONS, THE INFORMATION SHOWN AS DETAILED ON THE PLANS AND THEN THE PROPOSAL SHALL GOVERN.
11. ALL NOTES ABOVE PERTAIN TO WORK WITH THE STATE RIGHT-OF-WAY AND IN ACCORDANCE WITH THE HIGHWAY WORK PERMIT.

SIDEWALK AND SIDEWALK RAMPS

1. SIDEWALK CURB RAMPS SHALL CONFORM TO THE DETAILS ON NYSDOT STANDARD SHEET 608-01 (SHEETS 1-12).
2. ALL SIDEWALK REMOVALS SHALL BE COMPLETED AT AN EXISTING JOINT.
3. THE CONTRACTOR SHALL INSTALL CAST IRON EMBEDDED DETECTABLE WARNING UNITS, ITEM 608.21000003, AT ALL CURB RAMP LOCATIONS. THE COST OF ANY MODIFICATIONS REQUIRED TO CUSTOM FIT THE DETECTABLE WARNING UNITS SHALL BE INCLUDED UNDER ITEM 608.21000003.
4. CONCRETE SIDEWALKS AND DRIVEWAYS ARE TO BE GENERALLY PLACED IN LENGTHS THAT HAVE CONTROL JOINTS THAT CREATE 5 FOOT BY 5 FOOT BLOCKS UNLESS OTHERWISE NOTED. 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.
5. ALL EXPANSION JOINTS SHALL HAVE PRE-MOULDED RESILIENT JOINT FILLER MATERIAL PLACED BELOW THE SURFACE AND THEN SEALED WITH AN APPROVED CONCRETE SEALER MEETING NYSDOT MATERIAL SPECIFICATION SECTION 705-06. THE COST OF JOINT SEALER SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 608.0101.
6. A MEMBRANE CURING AND SEALING COMPOUND THAT INCLUDES A FUGITIVE DYE (I.E. SILENCURE-A OR APPROVED EQUAL) SHALL BE APPLIED TO ALL NEW CONCRETE SIDEWALK AREAS IN ACCORDANCE WITH SECTION 608 OF THE STANDARD SPECIFICATIONS. THE CURE AND SEAL COMPOUND MUST BE ON THE NYSDOT APPROVED LIST AND BE MANUFACTURE-CERTIFIED TO COMPLY WITH THE VOC REQUIREMENT OF THE NYSDEC REGULATION 6 NYCRR, PART 205, "ARCHITECTURAL AND INDUSTRIAL MAINTENANCE (AIM) COATINGS."

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ONEIDA COUNTY 1798 NEW YORK

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

PIN 2754.67
BIN 2205960

LD040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M.MIECZKOWSKI
DESIGNED BY: B.CATALDO
CHECKED BY: J.CRAIG

GENERAL

GENERAL NOTES (1 OF 2)

GEN-01

SHEET 07 OF 74

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EROSION CONTROL NOTES

1. TOTAL DISTURBANCE FOR THIS PROJECT IS LESS THAN 1 ACRE AND THEREFORE DOES NOT REQUIRE COVERAGE UNDER THE SPDES GENERAL PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITY (GP-0-15-002). IN ADDITION, A SEPARATE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS ALSO NOT REQUIRED. THE CONTRACTOR IS STILL REQUIRED TO PROVIDE AND MAINTAIN SOIL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH SECTION 209 OF THE NYSDOT STANDARD SPECIFICATIONS AND STANDARD SHEETS.

2. DRAWINGS AND DETAILS RELATING TO SOIL EROSION AND SEDIMENT CONTROL (SESC) ARE NOT INTENDED TO BE ALL INCLUSIVE BUT TO SERVE AS A GUIDELINE FOR THE DEVELOPMENT OF THE CONTRACTOR'S EROSION CONTROL SCHEME REQUIRED UNDER SECTION 209 OF THE STANDARD SPECIFICATIONS.

3. IN ACCORDANCE WITH SECTION 107-12 AND 209-3.01 OF THE NYSDOT STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL REVIEW THE EROSION AND SEDIMENT CONTROL SET-UP INCLUDED IN THE CONTRACT DOCUMENTS, AND IF NECESSARY, MODIFY THE PLAN WITH THE CONTRACTOR'S INTENDED SEQUENCE AND TYPES OF OPERATIONS. THE CONTRACTORS MODIFIED EROSION AND SEDIMENT CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL, ALONG WITH A PROGRESS SCHEDULE THAT ADDRESSES THIS WORK.

4. IN ACCORDANCE WITH SECTION 107-12 AND 209-3.01 OF THE NYSDOT STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL DESIGNATE AN "EROSION AND SEDIMENT CONTROL SUPERVISOR" FOR THE PROJECT. THE SUPERVISOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE EROSION AND SEDIMENT CONTROL PLAN AND FOR INSPECTING AND MAINTAINING THE CONTROL MEASURES. THE NAME AND QUALIFICATIONS (TRAINING AND EXPERIENCE) OF THIS INDIVIDUAL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO STARTING EARTHWORK.

5. THE DESIGNATED "EROSION AND SEDIMENT CONTROL SUPERVISOR" SHALL NOTIFY THE ENGINEER IN ADVANCE OF ANY FIELD CHANGES TO THE EROSION AND SEDIMENT CONTROL MEASURES INDICATED IN THE CONTRACT DOCUMENTS. THE ENGINEER MAY REQUIRE THE CONTRACTOR TO SUBMIT A MODIFIED EROSION AND SEDIMENT CONTROL PLAN FOR APPROVAL PRIOR TO IMPLEMENTING ANY FIELD CHANGES.

6. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF FROM DISTURBED AREAS IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL DEVICES BEFORE ENTERING A STORM DRAIN, WATERBODY OR WETLAND.

7. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE FOR WHICH THEY ARE INTENDED AND SHALL REMAIN IN PLACE UNTIL SOILS ARE PERMANENTLY STABILIZED.

8. NO WET OR FRESH CONCRETE, LEACHATE, MATERIAL, OR DEBRIS SHALL BE ALLOWED TO ESCAPE INTO A WATERBODY OR WETLAND, NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER A WATERBODY OR WETLAND.

9. THE CONTRACTOR SHALL COVER TEMPORARY STOCKPILES OF ERODIBLE MATERIAL (SUCH AS TOPSOIL OR EARTH FILL) WITH POLY SHEETING, OR RING THE STOCKPILES WITH SEDIMENT FILTER LOG TO CONTROL EROSION. POLY SHEETING SHALL COMPLETELY COVER THE STOCKPILE AND BE SECURELY ANCHORED AT ALL TIMES. ANY POLY SHEETING OR SEDIMENT FILTER LOG THAT IS DAMAGED SHALL BE PROMPTLY REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER. RINGED STOCKPILES EXPOSED OR EXPECTED TO BE EXPOSED FOR LONGER THAN 7 CALENDAR DAYS SHALL IMMEDIATELY BE STABILIZED WITH APPROPRIATE MEASURES. THE COST OF COVERING AND RINGING/STABILIZING STOCKPILES SHALL BE INCLUDED IN THE PRICE BID FOR THE CORRESPONDING STOCKPILED MATERIAL.

10. ANY DEBRIS OR EXCESS MATERIALS FROM CONSTRUCTION OF THIS PROJECT SHALL BE IMMEDIATELY AND COMPLETELY REMOVED FROM THE BED AND BANKS OF ALL WATER AREAS TO AN APPROPRIATE UPLAND AREA FOR DISPOSAL.

11. ALL DREDGED AND EXCAVATED MATERIALS SHALL BE DISPOSED OF ON AN UPLAND SITE AND BE SUITABLY STABILIZED SO THAT IT CANNOT REASONABLY RE-ENTER ANY WATER BODY.

12. TEMPORARY LINING MATERIAL MAY BE REQUIRED WHERE THE CONTRACTOR PROVIDES TEMPORARY CHANNELS TO KEEP CONTRACTOR'S WORK SITES FREE FROM WATER DURING CONSTRUCTION AOBE. NO DIRECT PAYMENT WILL BE MADE FOR THIS WORK; THE COST IS TO BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS OF THE CONTRACT.

13. THE CONTRACTOR SHALL GRADE AND TRIM ALL SLOPES AS THE EXCAVATION PROGRESSES AND SEED ALL SLOPES AS ORDERED BY THE ENGINEER. ALL AREAS SHALL BE STABILIZED AT A MINIMUM WITH STRAW AT THE END OF EACH WORK WEEK. FOR SLOPES GREATER THAN 3 ON 1, A ROLLED EROSION CONTROL PRODUCT, CLASS II TYPE A, INTERMEDIATE, FOR STABILIZATION.

14. PERIODICALLY CLEAN, INSPECT, MAINTAIN, AND REINSTALL SESC MEASURES AS NECESSARY.

CONCRETE MANAGEMENT NOTES

1. STORE CONCRETE, GROUT, AND MORTAR UNDER COVER AND AWAY FROM DRAINAGE AREAS.

2. CONCRETE TRUCKS AND TRANSFER CHUTES MAY BE WASHED-OUT ON-SITE IN AN AREA APPROVED BY THE EIC. UTILIZE A CONCRETE WASHOUT TO COLLECT ALL WASH WATER AND CONCRETE WASTE.

3. THE WASHOUT AREA SHALL BE LOCATED AWAY FROM STORM DRAINS, OPEN DITCHES OR WATER BODIES.

4. SIGNS SHALL BE POSTED THROUGHOUT THE JOB SITE, DIRECTING CREWS AND CONCRETE TRUCKS TO CONCRETE WASHOUTS.

5. UPON COMPLETION OF THE CONCRETE WORK, BREAK UP, REMOVE, AND HAUL AWAY SOLID CONCRETE THAT HAS ACCUMULATED IN THE WASHOUT.

6. PREVENT WET OR FRESH CONCRETE OR LEACHATE FROM REACHING WATERS OF NYS. DO NOT WASH CONCRETE TRUCKS, MIXERS, OR ANY OTHER DEVICES AT A LOCATION THAT LEADS TO WATERS OF NYS.

FUEL & EQUIPMENT STORAGE NOTES

1. ALL CONSTRUCTION MATERIALS AND EQUIPMENT SHALL BE STORED IN AN AREA APPROVED BY THE EIC.

2. FUEL STORAGE SHALL BE CONDUCTED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

3. ON SITE VEHICLE AND EQUIPMENT FUELING SHOULD ONLY OCCUR IN A DESIGNATED FUEL STORAGE AREA. SUBSTITUTE LOCATIONS MAY BE USED SUBJECT TO APPROVAL BY THE EIC.

4. VEHICLE AND EQUIPMENT FUELING (INCLUDING FUELING OF HAND HELD EQUIPMENT) SHALL BE CONDUCTED IN ACCORDANCE WITH THE FOLLOWING:

   A. AWAY FROM STORM DRAIN INLETS, DRAINAGE FACILITIES, OR WATERCOURSES.

   B. WITHIN A BERMED AREA TO PREVENT RUN-ON, RUNOFF, AND TO CONTAIN SPILLS.

   C. STORE PORTABLE FUEL CONTAINERS FOR HAND HELD EQUIPMENT IN A TUB OR EQUIVALENT DEVICE TO AVOID SPILLS AND LEAKS.

   D. USE SECONDARY CONTAINMENT TECHNIQUES FOR FUELING OF HAND HELD OR PORTABLE EQUIPMENT, SUCH AS DRAIN PANS OR DROP CLOTHS TO CATCH SPILLS OR LEAKS.

   E. SIGNAGE THAT FUEL TANKS SHOULD NOT BE "TOPPED OFF". AN ADEQUATE SUPPLY OF SPILL CLEAN UP MATERIALS SHALL BE READILY ACCESSIBLE TO ALL FUELING ACTIVITIES.

STREAM PROTECTION NOTES

1. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION WATER QUALITY CERTIFICATION.

2. SECTION 404 OF THE CLEAN WATER ACT (33 USC 1344) PROHIBITS THE DISCHARGE OF DREDGE OR FILL MATERIALS INTO THE WATERS OF THE UNITED STATES WITHOUT A PERMIT FROM THE US ARMY CORPS OF ENGINEERS.

3. EXACT LIMITS OF ENVIRONMENTAL TREATMENT IS SUBJECT TO THE WATER ELEVATION AT THE TIME OF CONSTRUCTION. IF DRY CONDITIONS EXIST AT THE REQUIRED PROTECTION LOCATION, USE SEDIMENT FILTER LOGS. IF THE WATER ELEVATION, ESTIMATED BY THE EIC, WILL REACH, OR IS AT, THE REQUIRED PROTECTION LOCATIONS, USE A TURBIDITY CURTAIN. ADDITIONAL EROSION CONTROL METHODS, OTHER THAN SHOWN ON THIS SHEET, MAY BE REQUIRED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL THE EROSION AND POLLUTION CONTROLS NECESSARY FOR THE COMPLETION OF WORK TO BE DONE.

4. IN THE EVENT DEWATERING OPERATION BECOMES NECESSARY, DEWATERING FILTER BAGS WILL BE REQUIRED UNLESS THE PUMP DISCHARGE IS AS CLEAR AND FREE OF SEDIMENT AS THE FLOWING STREAM.

5. HEAVY EQUIPMENT SHALL NOT BE DRIVEN IN THE WATER.

6. ALL DEBRIS, INCLUDING RETAINING WALL REMNANTS, SHALL BE REMOVED AT CONTRACTORS EXPENSE.

7. DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT BE ALLOWED TO DROP WASTE CONCRETE, DEBRIS AND OTHER MATERIAL INTO THE CREEK OR INTO THE AREA IMMEDIATELY ADJACENT TO THE CREEK, EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT SUCH ACTIVITY. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.

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

9. NO DISCHARGE FROM A COFFERDAM OR ANY OTHER CONSTRUCTION ACTIVITY SHALL ENTER THE WATERBODY DIRECTLY UNLESS THE DISCHARGE IS AS CLEAR AS THE FLOWING WATERBODY. IF NECESSARY, THE CONTRACTOR SHALL PRODIVE DEWATERING FILTER BAGS TO FILTER THE DISCHARGE BEFORE ENTERING THE WATERBODY. BEFORE STARTING SUCH OPERATIONS THE CONTRACTOR SHALL CONTACT THE ENGINEER IN ORDER THAT THE METHODS EMPLOYED WILL HAVE PRIOR APPROVAL OF THE ENGINEER.

10. CONTRACTOR SHALL COMPLY WITH STREAM RESTRICTIONS IN THE NYSDEC AND USACE PERMITS. UNLESS OTHERWISE APPROVED IN WRITING FROM NYSDEC, IN-STREAM WORK SHALL BE ACCOMPLISHED ONLY FROM MAY 16 THROUGH SEPTEMBER 14.

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ONEIDA COUNTY NEW YORK 1798

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

GENERAL

GENERAL NOTES (2 OF 2)

GEN-02

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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 2009 NATIONAL MANUAL ON 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 (A.O.B.E.).

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 CONSIDERED TO BE MINIMUM STANDARDS.

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

4. WEEDS, SHRUBBERY, CONSTRUCTION MATERIALS, EQUIPMENT, VEHICLES, OR WORKERS SHALL NOT OBSCURE TRAFFIC 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 THIRTY (30) WORKING DAYS PRIOR TO IMPLEMENTATION OF SUCH REVISIONS.

6. THE ROADWAY SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES; ROAD CLEANING SHALL BE PERFORMED A.O.B.E.

7. ROADSIDE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES.

8. MATERIALS, EQUIPMENT, AND VEHICLES SHALL NOT BE STORED OR PARKED WITHIN 10 FEET OF THE CURB LINE BEFORE WORK BEGINS.

9. NOTIFY DIG SAFELY NEW YORK THREE WORKING DAYS PRIOR TO DIGGING, DRILLING, OR BLASTING AT 1-800-962-7962, FOR A UTILITY STAKEOUT.

ACTIVITY AREA:

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 WITHIN THE CLEAR ZONE, ALONG THE ROADWAY USED BY THE GENERAL PUBLIC OR ANY OTHER AREAS DEEMED HAZARDOUS BY THE ENGINEER.

2. VEHICLES PARKED BEHIND GUIDE RAIL/ BARRIER SHALL BE PARKED BEYOND THE GUIDE RAIL/BARRIER DEFLECTION DISTANCE.

3. VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S WORKERS SHALL NOT BE PARKED ON THE PAVEMENT OR SHOULDERS ALONG THE ROADWAY WHERE PARKING IS NOT NORMALLY PERMITTED.

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

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 THE 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 CIRCUMSTANCES, A.O.B.E. PLASTIC DRUMS OR OTHER APPROVED TRAFFIC CONTROL DEVICES SHALL BE USED TO DELINEATE THE DRIVEWAY AND TO CONTROL ACCESS DURING NON-WORKING HOURS.

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 WORK ZONE TRAFFIC CONTROL DETOUR PLAN (DWG. WZTC-02) AND DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL OF THE E.I.C.

2. ANY EXISTING SIGNS WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGN LAYOUT SHALL BE COVERED, REMOVED, STORED OR RESET A.O.B.E. 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. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE TO THE SIGNS CAUSED BY THE METHODS USED TO TEMPORARILY REMOVE, RELOCATE OR COVER SIGN PANELS OR SIGN TEXT, AT NO ADDITIONAL COST TO THE TOWN. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED IN THIS CONTRACT.

3. SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NO OBSTRUCT A MOTORIST'S LINE OF SIGHT.

4. ALL CONSTRUCTION SIGNS SHALL BE MOUNTED ON NCHRP 350 APPROVED TEMPORARY SIGN SUPPORTS UNLESS SHIELDED BY TEMPORARY CONCRETE BARRIER OR GUIDE RAIL, AND LOCATED BEYOND THE DEFLECTION DISTANCES.

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

6. 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 E.I.C. WILL DIRECT THE CONTRACTOR TO RELOCATE THAT SIGN SO AS NOT TO CAUSE ANY OBSTRUCTION WITH THE TRAVEL WAY.

7. WARNING FLAGS ON SIGNS MAY BE USED TO INCREASE TARGET VALUE AND VISIBILITY OF TRAFFIC CONTROL SIGNS DURING DAYLIGHT HOURS.

8. THE DIMENSIONS OF TRAFFIC CONTROL SIGNS ARE DESCRIBED IN TABLE 6F-1 OF THE NATIONAL MUTCD. THESE DIMENSIONS MAY BE INCREASED WHENEVER NECESSARY FOR GREATER LEGIBILITY OR EMPHASIS, AS SHOWN IN THE TABLE.

PAVEMENT MARKINGS:

1. EXISTING PAVEMENT MARKINGS OUTSIDE OF PREVIOUSLY DISTURBED WORK ZONES SHALL BE MAINTAINED AND RE-STRIPED IF REQUIRED BY THE ENGINEER. EXISTING MARKINGS, LETTERS AND SYMBOLS WILL BE RE-APPLIED AS NECESSARY, A.O.B.E.

PEDESTRIANS:

1. A PEDESTRIAN DETOUR IS INCLUDED FOR THIS PROJECT. THERE IS NO PEDESTRIAN ACCESS THROUGH THE ROAD CLOSURE. PEDESTRIANS SHALL FOLLOW THE POSTED PEDESTRIAN DETOUR. SEE DWG. WZTC-03.

OFF-SITE DETOURS:

1. THE CONTRACTOR SHALL SET UP AND MAINTAIN AN OFF-SITE DETOUR AS DEPICTED ON DWG. WZTC-02 FOR THE DURATION THAT THE BRIDGE IS CLOSED FOR RECONSTRUCTION.

2. SINCE THE OFF-SITE DETOUR IS PARTIALLY LOCATED ALONG NEW YORK STATE ROADWAYS (RT 365, RT. 12, & RT. 28), A HIGHWAY WORK PERMIT WILL BE REQUIRED THROUGH THE NYSDOT REGIONAL OFFICE. THE CONTRACTOR SHALL CONTACT THE REGIONAL PERMIT ENGINEER:

   MICHAEL MUHA
   REGIONAL PERMIT ENGINEER
   MICHAEL.MUHA@DOT.NY.GOV
   (315) 793-2433

NYSDOT WZTC STANDARD SHEETS:

619-001 619-002 619-004 619-010 619-011 619-012 619-503 619-520

PORTABLE VARIABLE MESSAGE SIGNS (PVMS)

1. THE CONTRACTOR SHALL PROVIDE TWO PVMS UNITS. THE UNITS SHALL BE PLACED 2 WEEKS PRIOR TO THE BRIDGE CLOSURE.

2. PVMS UNITS SHALL BE LOCATED PER DWG WZTC-02 AND ADJUSTED IF NECESSARY TO SUIT FIELD CONDITIONS. PVMS SHALL BE PLACED BEYOND THE SHOULDER WHENEVER POSSIBLE.

3. SEE DWG. NO. WZTC-02 FOR PVMS MESSAGES TO BE DISPLAYED.

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TOWN OF TRENTON
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LD040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

CIVIL

WORK ZONE TRAFFIC CONTROL NOTES

WZTC-01

SHEET 09 OF 74

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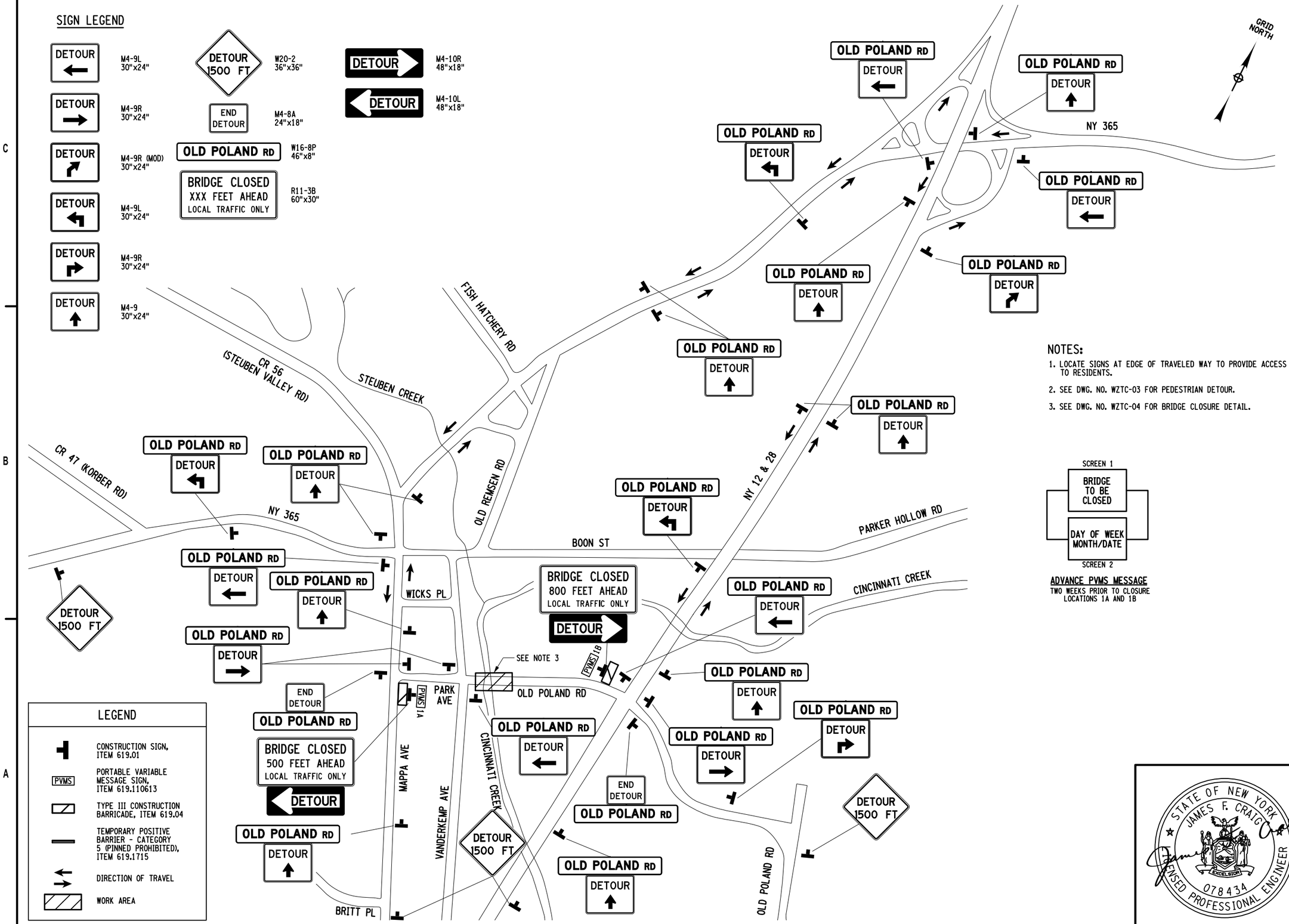
SIGN LEGEND

- DETOUR (M4-9L) 30"x24"
- DETOUR (M4-9R) 30"x24"
- DETOUR (M4-9R (MOD)) 30"x24"
- DETOUR (M4-9L) 30"x24"
- DETOUR (M4-9R) 30"x24"
- DETOUR (M4-9) 30"x24"
- DETOUR 1500 FT (W20-2) 36"x36"
- END DETOUR (M4-8A) 24"x18"
- OLD POLAND RD (W16-8P) 46"x8"
- BRIDGE CLOSED XXX FEET AHEAD LOCAL TRAFFIC ONLY (R11-3B) 60"x30"
- DETOUR (M4-10R) 48"x18"
- DETOUR (M4-10L) 48"x18"



NOTES:

1. LOCATE SIGNS AT EDGE OF TRAVELED WAY TO PROVIDE ACCESS TO RESIDENTS.
2. SEE DWG. NO. WZTC-03 FOR PEDESTRIAN DETOUR.
3. SEE DWG. NO. WZTC-04 FOR BRIDGE CLOSURE DETAIL.

LEGEND

- CONSTRUCTION SIGN, ITEM 619.01
- PVMS — PORTABLE VARIABLE MESSAGE SIGN, ITEM 619.110613
- TYPE III CONSTRUCTION BARRICADE, ITEM 619.04
- TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNED PROHIBITED), ITEM 619.1715
- DIRECTION OF TRAVEL
- WORK AREA

SCREEN 1
BRIDGE TO BE CLOSED
DAY OF WEEK MONTH/DATE
SCREEN 2

ADVANCE PVMS MESSAGE
TWO WEEKS PRIOR TO CLOSURE
LOCATIONS 1A AND 1B

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CIVIL

WORK ZONE TRAFFIC CONTROL DETOUR PLAN

WZTC-02

SHEET 10 OF 74

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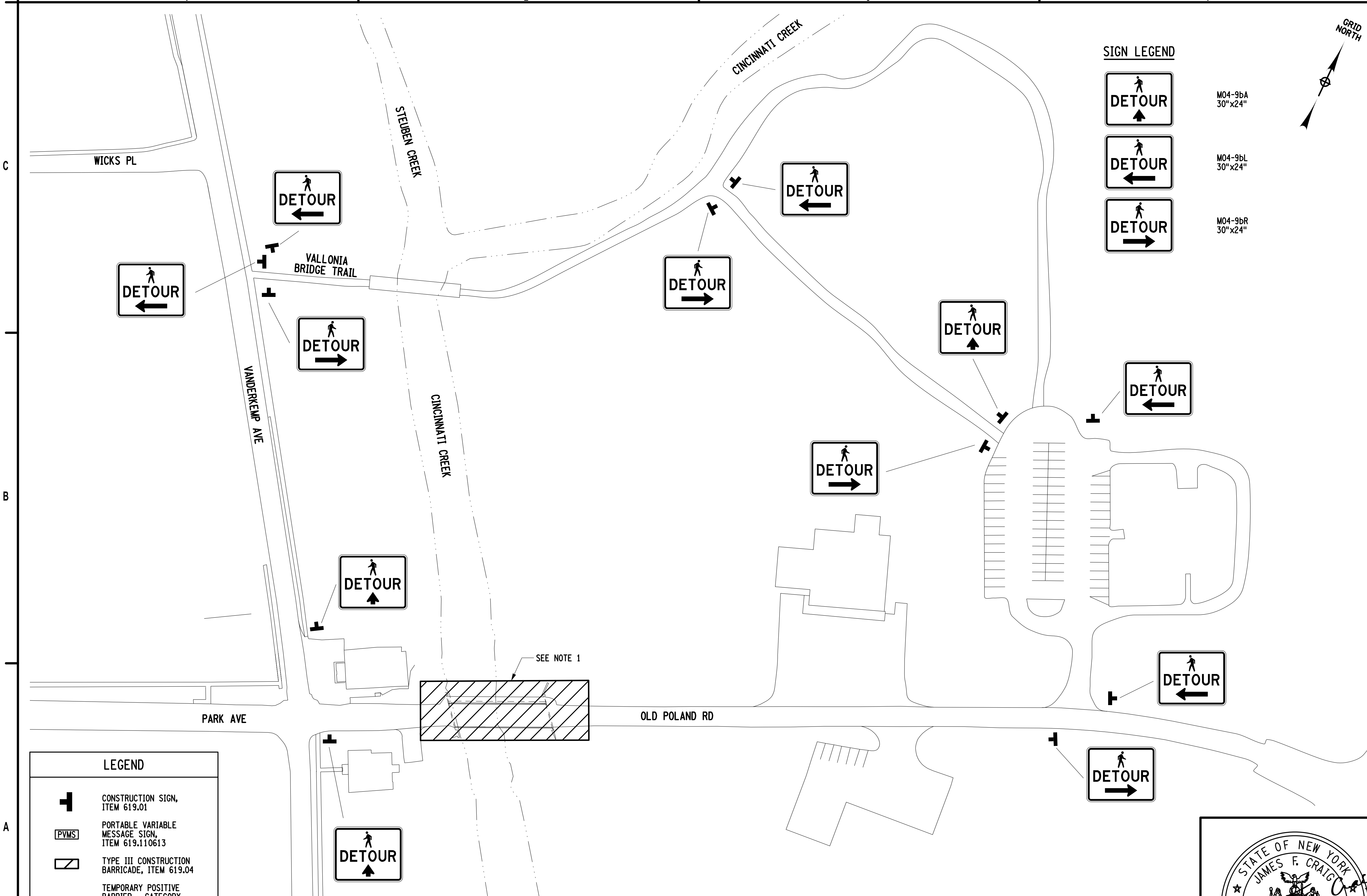

LEGEND

Symbol	Description
▮	CONSTRUCTION SIGN, ITEM 619.01
PVMS	PORTABLE VARIABLE MESSAGE SIGN, ITEM 619.110613
▭	TYPE III CONSTRUCTION BARRICADE, ITEM 619.04
—	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNED PROHIBITED), ITEM 619.1715
← →	DIRECTION OF TRAVEL
▨	WORK AREA

NOTES:

1. SEE DWG. NO. WZTC-04 FOR BRIDGE CLOSURE DETAIL.
2. SEE DWG. NOL WZTC-02 FOR LOCAL DETOUR PLAN.
3. SIGNS SHALL BE DISPLAYED CONCURRENTLY WITH LOCAL DETOUR SIGNAGE UNTIL LOCAL DETOUR IS REMOVED.

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

STATE OF NEW YORK · JAMES F. CRAIG · 078434 · LICENSED PROFESSIONAL ENGINEER

CIVIL

WORK ZONE TRAFFIC CONTROL PEDESTRIAN DETOUR PLAN

WZTC-03

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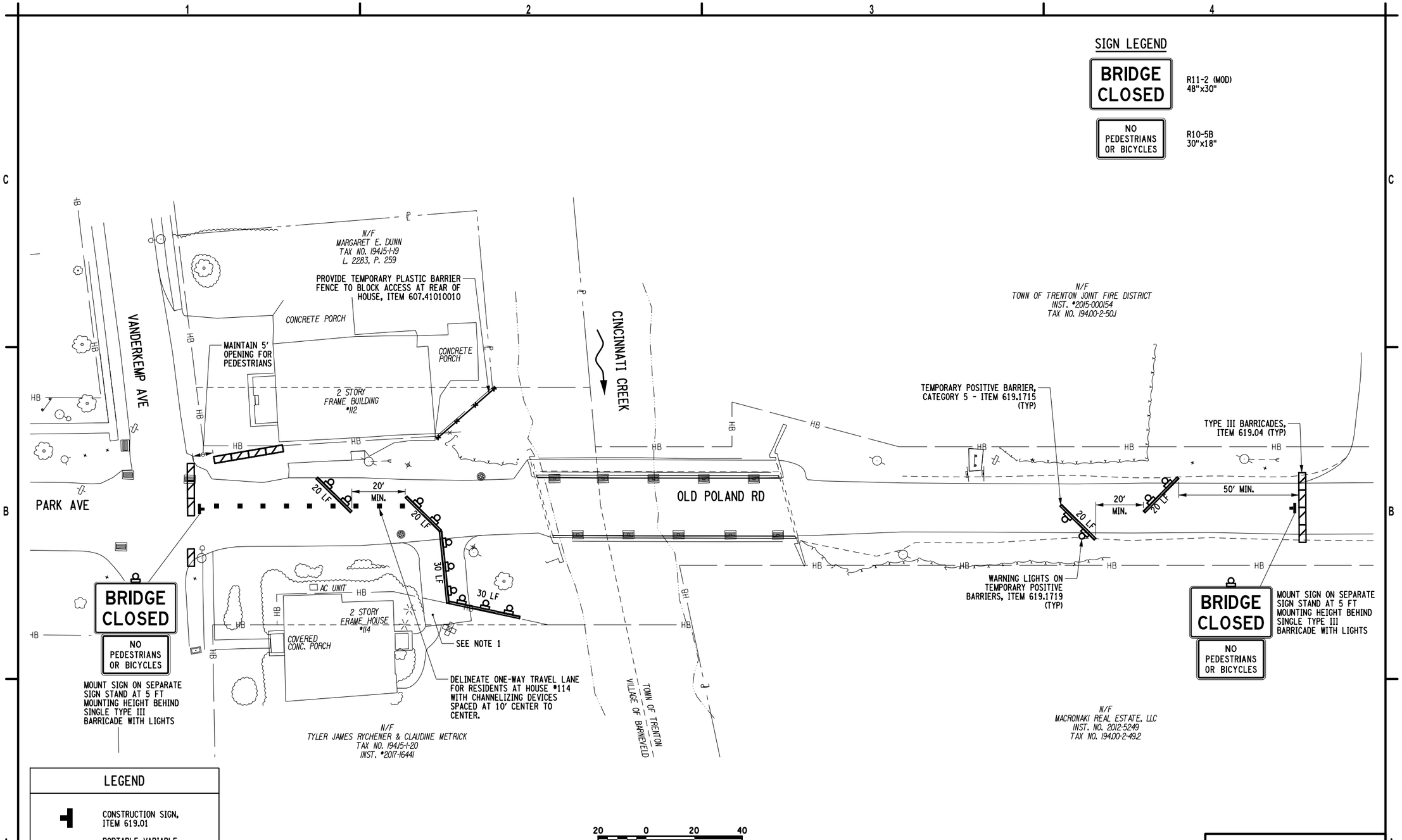

LEGEND

- CONSTRUCTION SIGN, ITEM 619.01
- PVMS — PORTABLE VARIABLE MESSAGE SIGN, ITEM 619.110613
- TYPE III CONSTRUCTION BARRICADE, ITEM 619.04
- TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNED PROHIBITED), ITEM 619.1715
- DIRECTION OF TRAVEL
- WORK AREA

NOTES:

1. DRIVEWAY ACCESS TO HOUSE #114 VANDERKEMP SHALL BE MAINTAINED.
2. OVERHEAD UTILITIES NOT SHOWN FOR CLARITY. SEE DWG. NOS. UTP-01 AND UTP-02 FOR UTILITY PLAN.
3. FIRE DEPARTMENT DRIVEWAY SHALL REMAIN OPEN AND UNRESTRICTED AT ALL TIMES.
4. SEE DWG. NO. WZTC-03 FOR PEDESTRIAN DETOUR.

STATE OF NEW YORK
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ONEIDA COUNTY NEW YORK 1798

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

CIVIL

WORK ZONE TRAFFIC CONTROL DETAILS

WZTC-04

SHEET 12 OF 74

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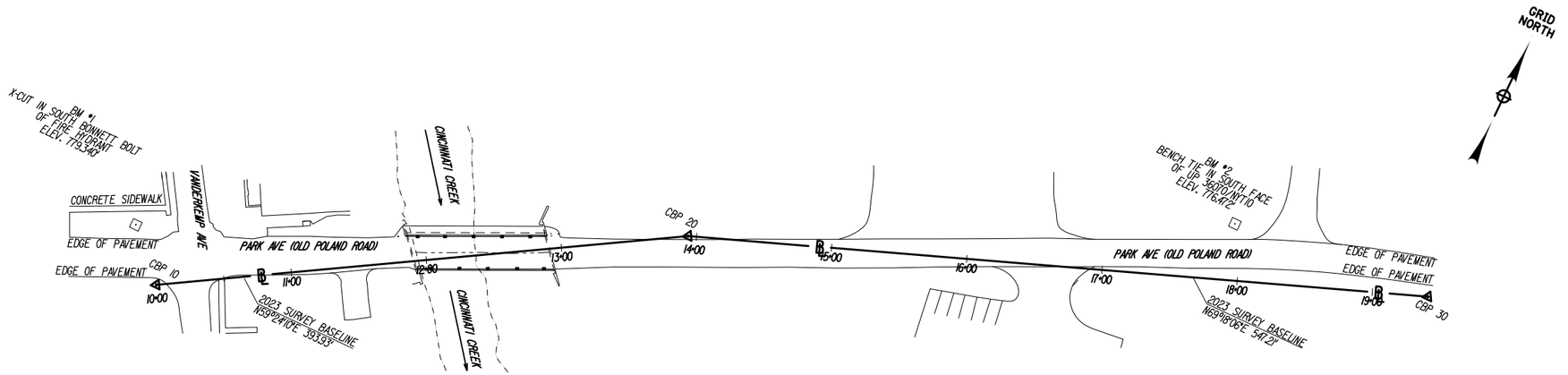
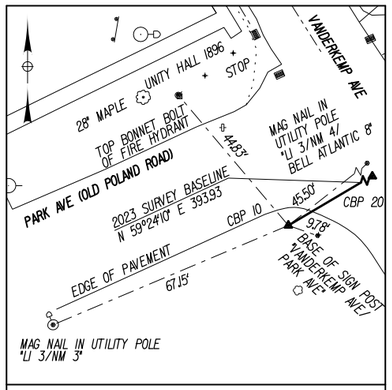


SURVEY CONTROL PLAN

50 0 50 100

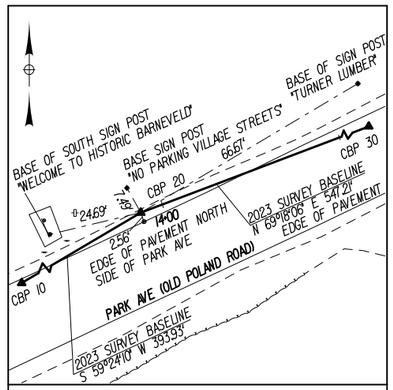


CBP 10 (STA. 10+00.00)

N.A.D. '83(2011) N.Y.S.P.C.S. CENTRAL (SEE ELEVATION DATUM NOTE)

N: 1,195,519.481
E: 1,191,820.295
Z: 776.956'

CBP 10 IS A #REBAR WITH PLASTIC CAP STAMPED "GDB SURVEY" SET ON THE SOUTH SIDE OF PARK AVENUE (OLD POLAND ROAD) APPROXIMATELY 34 FEET +/- SOUTHWEST OF THE INTERSECTION OF PARK AVENUE AND VANDERKEMP AVENUE.

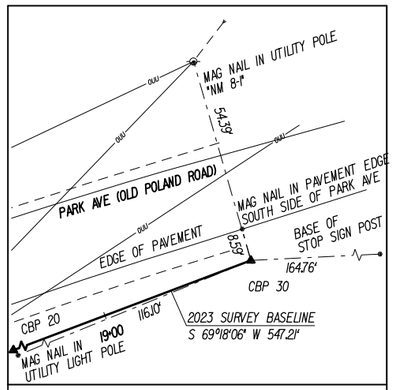


CBP 20 (STA. 13+93.93)

N.A.D. '83(2011) N.Y.S.P.C.S. CENTRAL ZONE (SEE ELEVATION DATUM NOTE)

N: 1,195,719.992
E: 1,192,159.377
Z: 774.124'

CBP 20 IS A #REBAR WITH PLASTIC CAP STAMPED "GDB SURVEY" SET ON THE NORTH SIDE OF PARK AVENUE (OLD POLAND ROAD) APPROXIMATELY 365 FEET +/- NORTHEAST OF THE INTERSECTION OF PARK AVENUE AND VANDERKEMP AVENUE.



CBP 30 (STA. 19+41.14)

N.A.D. '83(2011) N.Y.S.P.C.S. CENTRAL ZONE (SEE ELEVATION DATUM NOTE)

N: 1,195,913.400
E: 1,192,671.265
Z: 777.631'

CBP 30 IS A #REBAR WITH PLASTIC CAP STAMPED "GDB SURVEY" SET ON THE SOUTH SIDE OF PARK AVENUE (OLD POLAND ROAD) APPROXIMATELY 910 FEET +/- NORTHEAST OF THE INTERSECTION OF PARK AVENUE AND VANDERKEMP AVENUE.

NOTES:

1. NORTH ORIENTATION AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, N.A.D. '83(2011) EPOCH 2010.00 THROUGH A COMBINATION OF STATIC GPS OBSERVATIONS AND TRIGONOMETRIC MEASUREMENTS. A LEAST SQUARES ADJUSTMENT WAS PERFORMED UTILIZING STARNET VERSION 9.2.6.556 SOFTWARE.
2. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88) THROUGH TIES TO N.Y.S. C.O.R.S. GPS. DIFFERENTIAL LEVELING WAS PERFORMED THROUGH ALL CONTROL POINTS AND BENCHMARKS.
3. UNITS OF MEASURE = U.S. SURVEY FEET
4. SCALE FACTOR : 1.00009560
5. COMBINED SCALE FACTOR : 1.00006347
6. SURVEY PROVIDED BY GDB GEOSPATIAL, DATE 08/30/2022.
7. PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF SURVEY CONTROL POINTS USED IN THE VERTICAL AND HORIZONTAL POSITIONING OF DESIGN IMPROVEMENTS AND FOR IMMEDIATELY NOTIFYING THE E.I.C. OF ANY DISCREPANCIES FOUND.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING NEW BENCHMARKS PRIOR TO STARTING WORK ON THE PROJECT (IF NECESSARY). PAID FOR UNDER ITEM 625.01.

BENCHMARK TABLE

BM #	*DESCRIPTION*	*N.A.V.D. '88 ELEVATION*
1	*BENCHMARK IS A CHISLED "X" IN A FIRE HYDRANT BONNETT BOLT ON THE NORTH SIDE OF PARK AVENUE (OLD POLAND ROAD) APPROXIMATELY 46' SOUTHWEST OF THE INTERSECTION OF PARK AVE (OLD POLAND ROAD) AND VANDERKEMP AVE.*	*779.340'*
2	*BENCHMARK IS A BENCHTIE IN A UTILITY POLE ON THE NORTH SIDE OF PARK AVENUE (OLD POLAND ROAD) APPROXIMATELY 765.10' NORTHEAST OF THE INTERSECTION OF PARK AVE (OLD POLAND ROAD) AND VANDERKEMP AVE.*	*776.472'*

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TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

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DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

CIVIL

BASELINE TIES AND BENCHMARKS

BLT-01

SHEET 13 OF 74

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TABLE OF CURBING

ITEM 609.0212 - STONE CURB NEAR VERTICAL FACE (NVF)
ITEM 609.0302 - STONE CURB, BRIDGE (TYPE F1)

FROM STATION	OFFSET (FT)	TO STATION	OFFSET (FT)	RADIUS (FT)	CENTER OF RADIUS	CENTER OF RADIUS OFFSET (LF)	ITEM 609.0212 (LF)	ITEM 609.0302 (LF)	COMMENT
10+62	13.4 LT	10+77	29.9 LT	15	10+62	28.4	25		
10+77	29.9 LT	10+76	37.9 LT				8		
11+00	30.4 LT	11+28	12.0 LT	30	11+28	42.0	35		
11+28	12.0 LT	12+20	12.0 LT				92		
12+20	12.0 LT	13+53	12.0 LT					133	
13+53	12.0 LT	14+45	12.0 LT				92		
14+45	12.0 LT	14+58	13.6 LT				12.8		
11+00	43.7 RT	11+30	12.0 RT	30	11+30	42.0	49		
11+30	12.0 RT	11+91	12.0 RT				61		
11+91	12.0 RT	12+25	14.0 RT				34		
12+25	14.0 RT	12+39	14.0 RT				14.3		
						TOTAL:	423	133	
						ROUNDED TOTAL:	430	140	

TABLE OF DRIVEWAYS AND SNOW STORAGE

ITEM 304.12 - SUBBASE COURSE, TYPE 2
ITEM 608.020102 - ASPHALT SIDEWALKS, DRIVEWAYS, BICYCLE PATHS, AND VEGETATION CONTROL STRIPS

FROM STATION	TO STATION	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	ITEM 304.12 (CY)	ITEM 608.020102 (TON)	COMMENTS
11+00	11+05	LT	3.5	10.0	35.0	0.9	0.9	DRIVEWAY 1
11+93	12+18	RT	30.4	21.5	653.6	16.1	12.3	DRIVEWAY 2
15+82	15+84	LT	2.0	11.5	23.0	0.6	0.6	DRIVEWAY 3
					TOTAL:	17.6	13.7	
					ROUNDED TOTAL:	20.0	15.0	

TABLE OF UNDERDRAIN

ITEM 605.1001 - UNDERDRAIN FILTER, TYPE 2
ITEM 605.1501 - PERFORATED CORRUGATED POLYETHYLENE UNDERDRAIN TUBING, 4 INCH DIAMETER

FROM STATION	TO STATION	SIDE	OUTLET DRAINAGE STRUCTURE	ITEM 605.1001 (CY)	ITEM 605.1501 (LF)
10+62	10+72	LT	DS 1-1	1.1	11
10+72	10+76	LT	DS 1-1	2.2	22
11+00	11+29	LT	DS 1-2	3.6	36
11+29	12+16	LT	DS 1-3	8.6	87
13+57	14+43	LT	DS 2-1	8.5	86
11+00	12+20	RT	DS 1-5	13.7	139
12+20	12+39	RT	DS 1-5	1.9	19
			TOTAL:	39.5	401
			ROUNDED TOTAL:	40	405

NOTE: CONNECT TO EXISTING UNDERDRAIN

TABLE OF CONCRETE CURB RAMPS

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)	THICKNESS (IN)	ITEM 608.0101 (CY)	ITEM 608.21000003 (SY)	COMMENTS
11+06	11+11	RT	9.7	4.5	43.5	6.0	0.8	1.0	OLD POLAND/VANDERKEMP - SE QUADRANT CURB RAMP
10+63	10+68	LT	4.5	4.3	19.0	4.0	0.2		OLD POLAND/VANDERKEMP - NW QUADRANT CURB RAMP
10+68	10+73	LT	20.0	4.0	80.0	4.0	1.0		OLD POLAND/VANDERKEMP - NW QUADRANT CURB RAMP
10+69	10+76	LT	6.3	4.0	25.3	6.0	0.5	0.9	OLD POLAND/VANDERKEMP - NW QUADRANT CURB RAMP
11+05	11+20	LT	17.1	5.0	85.4	6.0	1.6	1.3	OLD POLAND/VANDERKEMP - NE QUADRANT CURB RAMP
						TOTAL:	4.1	3.2	
						ROUNDED TOTAL:	5.0	4.0	

TABLE OF CONCRETE SIDEWALK

ITEM 608.0101 - CONCRETE SIDEWALKS AND DRIVEWAYS

FROM STATION	TO STATION	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SF)	THICKNESS (IN)	ITEM 608.0101 (CY)
11+21	12+20	LT	99.7	5.0	498.5	4.0	6.2
13+53	16+82	LT	329.9	5.0	1649.4	4.0	20.4
					TOTAL:		26.5
					ROUNDED TOTAL:		28.0

PROPERTY RELEASE TABLE

HCL STATION	SIDE	DRIVEWAY NO.	ADDRESS	PROPERTY OWNER(S)	RELEASE TYPE	COMMENTS, INCLUDE PURPOSE	DATE SIGNED
OLD POLAND ROAD							
12+06	RT	D2	114 VANKDERKEMP AVENUE	TYLER JAMES RYCHENER & CLAUDINE METRICK	DRIVEWAY	REMOVE DRIVEWAY AND RESTORE WITH NEW DRIVEWAY	7/22/2025

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REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: M. MIECZKOWSKI
CHECKED BY: J. CRAIG

CIVIL

MISCELLANEOUS TABLES

MST-01
SHEET 14 OF 74

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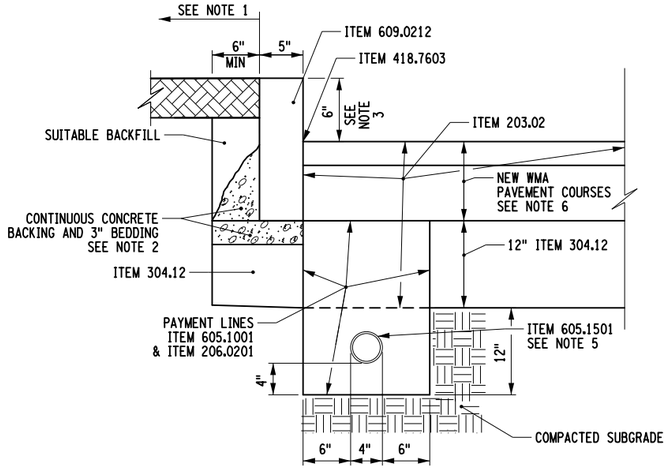
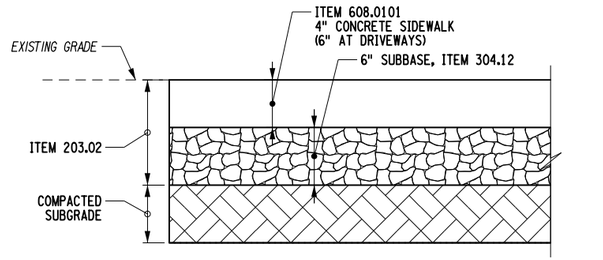
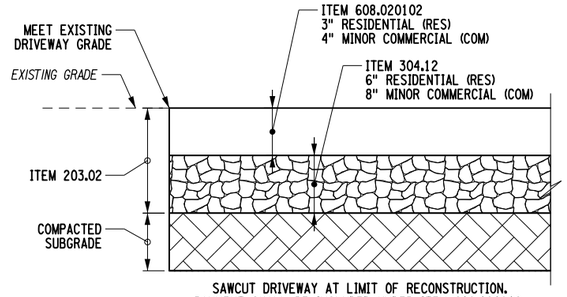


GRANITE CURB INSTALLATION WITH UNDERDRAIN
NOT TO SCALE



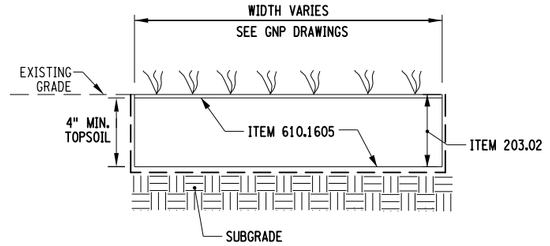
EXISTING SIDEWALK SHALL BE SAWCUT AT NEXT JOINT BEYOND REPLACEMENT LIMIT. PAYMENT SHALL BE INCLUDED UNDER ITEM 608.0101.

CONCRETE SIDEWALK
NOT TO SCALE

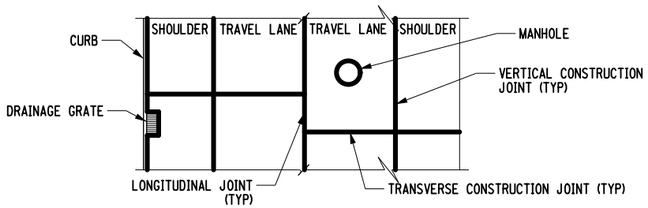


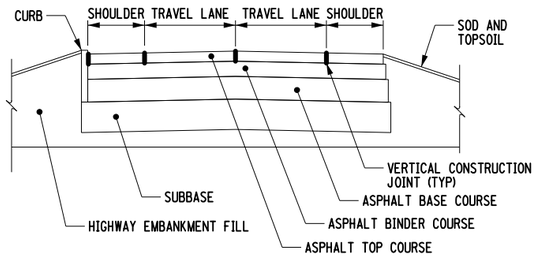
SAWCUT DRIVEWAY AT LIMIT OF RECONSTRUCTION.
PAYMENT SHALL BE INCLUDED UNDER ITEM 608.020102.

WMA DRIVEWAY DETAIL
NOT TO SCALE

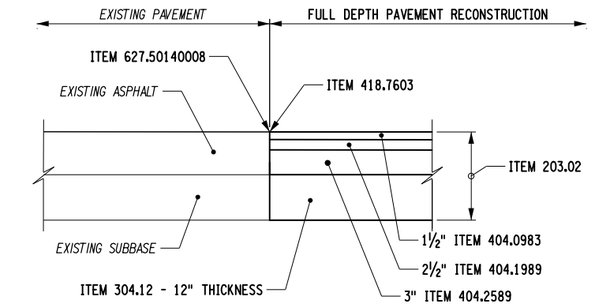


TURF RESTORATION
NOT TO SCALE

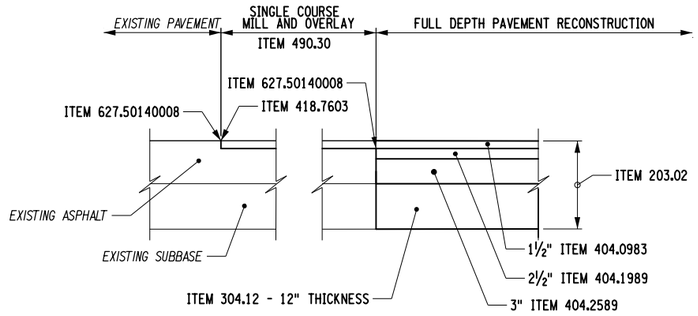




ASPHALT PAVEMENT JOINT ADHESIVE
ITEM 418.7603
NOT TO SCALE



END PROJECT PAVEMENT RECONSTRUCTION TERMINATION
NOT TO SCALE



BEGIN PROJECT PAVEMENT RECONSTRUCTION TERMINATION
NOT TO SCALE

NOTES:

1. RESTORATION OF DISTURBED AREAS BEHIND CURB SHALL BE AS FOLLOWS:
   - LAWN AREAS: SEE TURF RESTORATION DETAIL THIS SHEET.
   - ASPHALT DRIVEWAYS: SEE WMA DRIVEWAY DETAIL THIS SHEET. REFER TO ROADWAY PLANS AND DWG. MST-01 FOR LOCATIONS AND LIMITS.
   - CONCRETE SIDEWALKS AND DRIVEWAYS: SEE CONCRETE SIDEWALK AND DRIVEWAY DETAIL THIS SHEET. REFER TO ROADWAY PLANS AND DWG. MST-01 FOR LOCATIONS AND LIMITS.
2. PAYMENT FOR CONCRETE BACKING AND BEDDING TO BE INCLUDED UNDER CURB ITEM.
3. 6" DIMENSION FROM TOP OF CURB TO BOTTOM OF CURB IS OPTIMAL DESIGN DIMENSION. THIS DIMENSION WILL VARY DUE TO CHANGES IN PAVEMENT GRADE AND AS DIRECTED BY THE ENGINEER. PROVIDE 1" CURB REVEAL ACROSS DRIVEWAY ENTRANCES. CURB REVEAL SHALL NOT EXCEED 1/4" AT SIDEWALK CURB RAMPS.
4. SEE TABLE OF CURBING ON DWG. MST-01 FOR LOCATIONS OF NEW CURB.
5. SEE TABLE OF UNDERDRAIN ON DWG. MST-01 FOR LOCATIONS OF UNDERDRAIN INSTALLATION. UNDERDRAIN PIPE TO BE CENTERED HORIZONTALLY IN TRENCH.
6. SEE DWG. NOS. TYP-01 AND TYP-02 FOR TYPICAL SECTIONS.

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TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

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CIVIL

MISCELLANEOUS DETAILS

MSD-01
SHEET 15 OF 74

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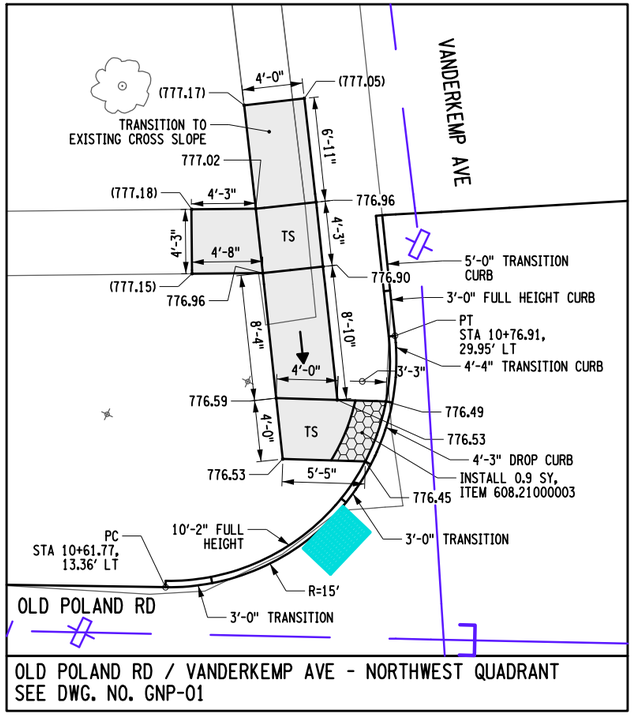
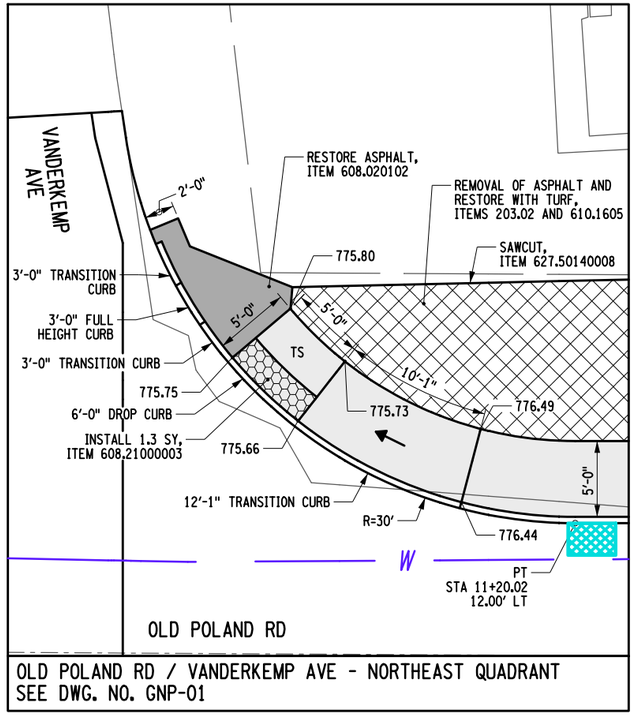
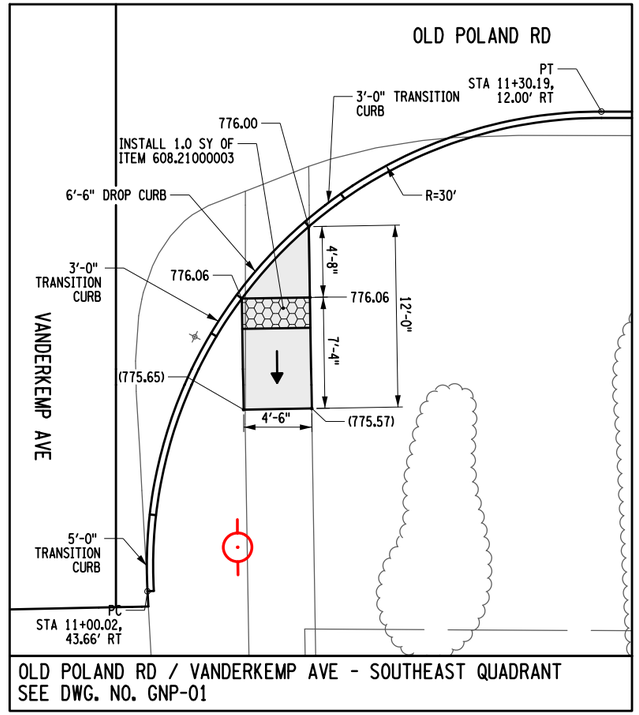


OLD POLAND RD / VANDERKEMP AVE - NORTHWEST QUADRANT
SEE DWG. NO. GNP-01



OLD POLAND RD / VANDERKEMP AVE - NORTHEAST QUADRANT
SEE DWG. NO. GNP-01



OLD POLAND RD / VANDERKEMP AVE - SOUTHEAST QUADRANT
SEE DWG. NO. GNP-01

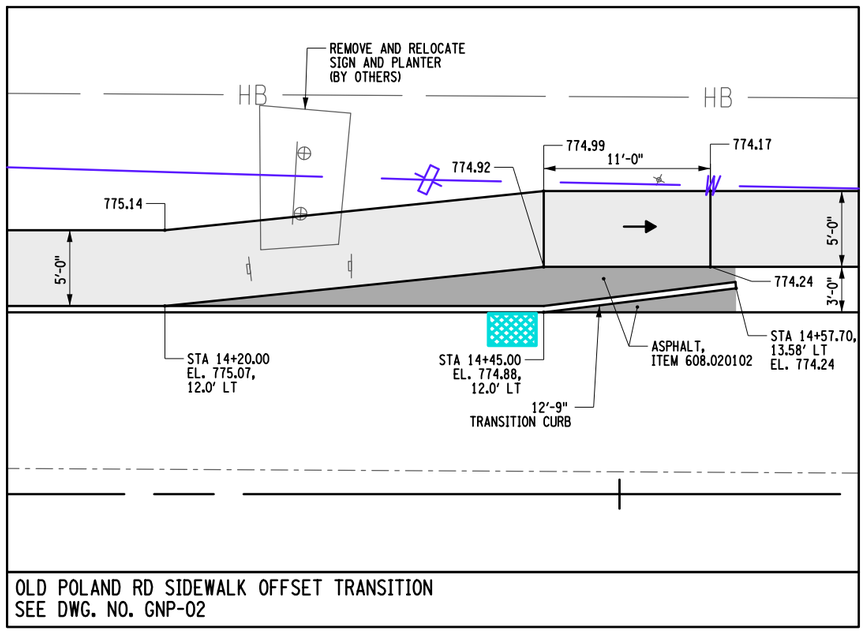
NOTES:

1. THE DETAILS AND DIMENSIONS PROVIDED ARE APPROXIMATE TO ACHIEVE ADA COMPLIANT RAMPS. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND GRADES TO ENSURE COMPLIANCE WITH ADA REQUIREMENTS.
2. IF LAYOUTS REQUIRE ADJUSTMENT DUE TO FIELD CONDITIONS, NOTIFY THE ENGINEER IMMEDIATELY.
3. SIDEWALK REMOVALS SHALL END AT AN EXISTING JOINT.
4. REFER TO NYSDOT STANDARD SHEET 608-01 ISSUED UNDER EB 21-024 FOR ADDITIONAL CURB RAMP NOTES AND DETAILS.
5. ARROWS ON RAMPS REPRESENT DOWN GRADE DIRECTION.
6. REFER TO MSD DRAWINGS FOR CURB AND SIDEWALK DETAILS.
7. ITEM 610.1605 SHALL BE UTILIZED ADJACENT TO NEW SIDEWALK TO MATCH EXISTING CONDITIONS.

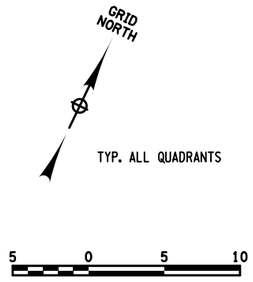
ITEM NO.	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION & DISPOSAL	CY
304.12	SUBBASE COURSE, TYPE 2	CY
608.0101	CONCRETE SIDEWALK AND DRIVEWAYS	CY
608.020102	ASPHALT SIDEWALKS, DRIVEWAYS & BICYCLE PATHS, & VEGETATION CONTROL STRIPS	TONS
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY
627.50140008	CUTTING PAVEMENT	LF

LEGEND

- CURB RAMP
- NEW CURB
- NEW SIDEWALK (ITEM 608.0101)
- NEW ASPHALT (ITEM 608.020102)
- DETECTABLE WARNING UNIT (ITEM 608.21000003)
- TS — TURNING SPACE



OLD POLAND RD SIDEWALK OFFSET TRANSITION
SEE DWG. NO. GNP-02



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CHECKED BY: XXX

CIVIL

CURB RAMP DETAILS

CRD-01

SHEET 16 OF 74

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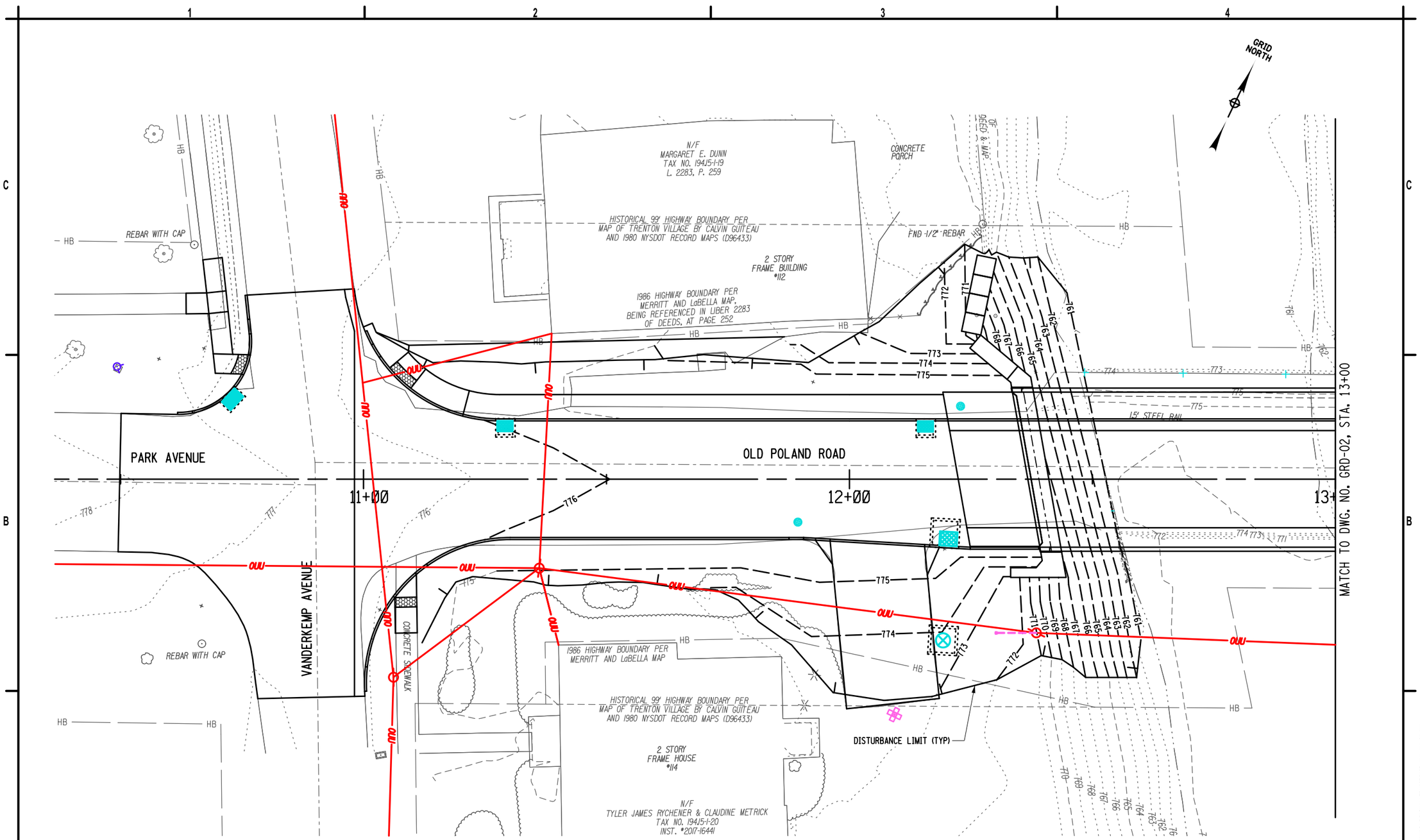

LEGEND

— HB — HIGHWAY BOUNDARY

– – – – – EXISTING CONTOUR LINE

– – – – – PROPOSED CONTOUR LINE

NOTES:

1. CONTOUR INTERVAL = 1 FOOT
2. UNDER BRIDGE CONTOURS ARE SHOWN INSTEAD OF CONTOURS AT BRIDGE DECK LEVEL.

GRADING PLAN

10 0 10 20

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ONEIDA COUNTY NEW YORK 1798

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

CIVIL

STATE OF NEW YORK
JAMES F. CRAIG
EXCELSIOR
078434
LICENSED PROFESSIONAL ENGINEER

GRADING PLAN (1 OF 2)

GRD-01

SHEET 17 OF 74

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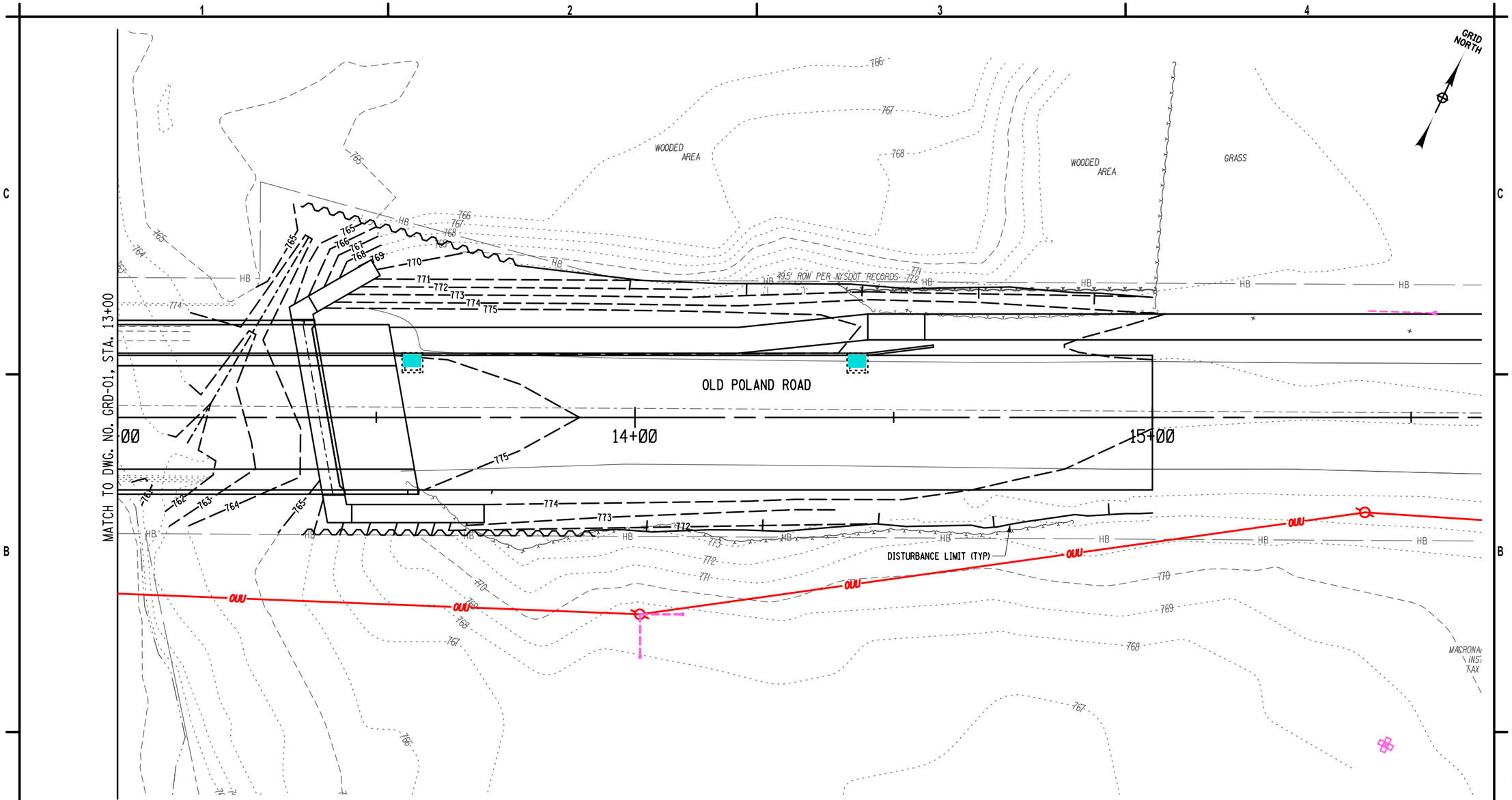

GRADING PLAN

LEGEND

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GRADING PLAN
(2 OF 2)

GRD-02
SHEET 18 OF 74

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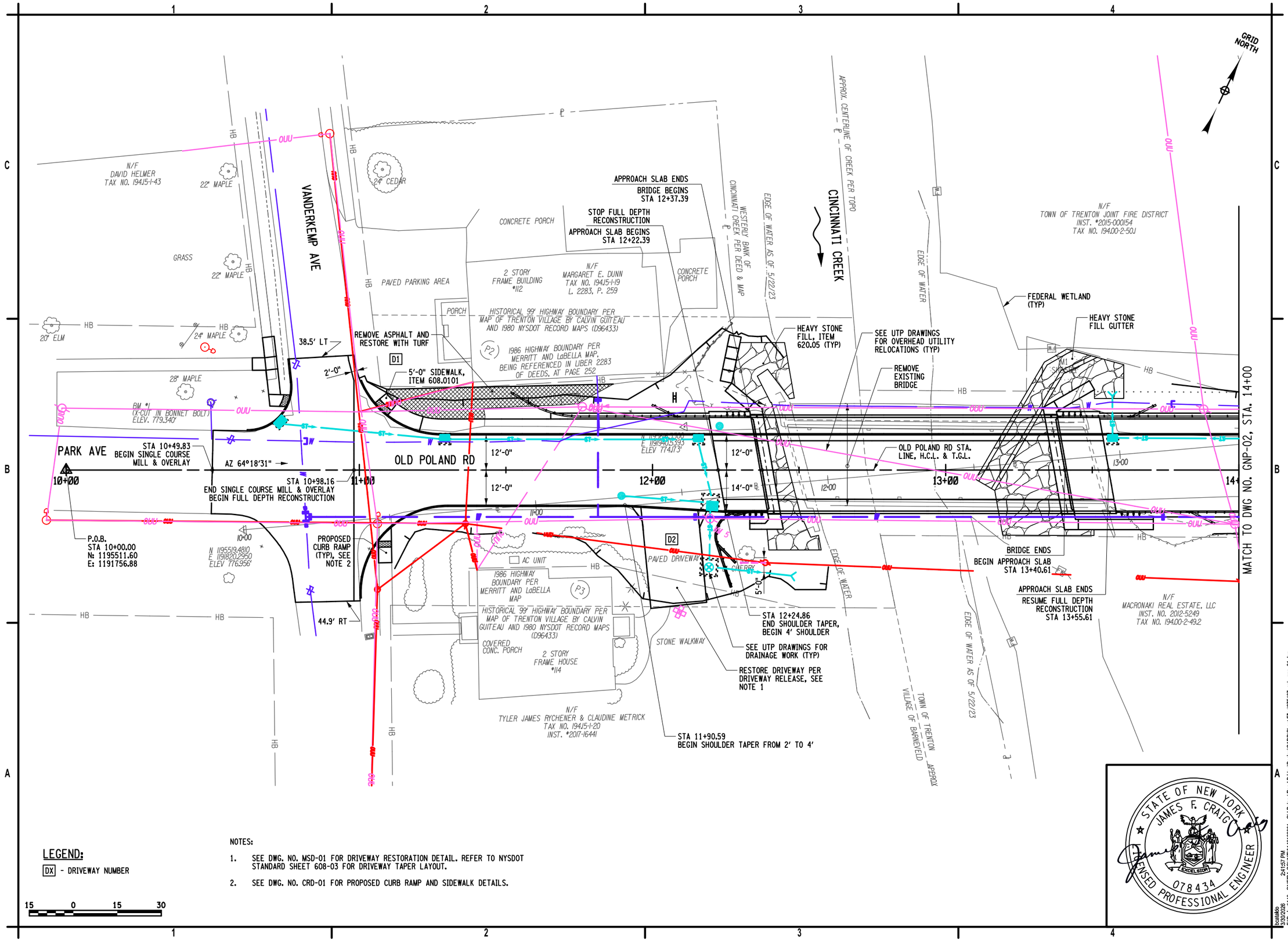

LEGEND:

DX - DRIVEWAY NUMBER

NOTES:

1. SEE DWG. NO. MSD-01 FOR DRIVEWAY RESTORATION DETAIL. REFER TO NYSDOT STANDARD SHEET 608-03 FOR DRIVEWAY TAPER LAYOUT.
2. SEE DWG. NO. CRD-01 FOR PROPOSED CURB RAMP AND SIDEWALK DETAILS.

15 0 15 30

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ROADWAY PLAN (1 OF 2)

GNP-01

SHEET 19 OF 74

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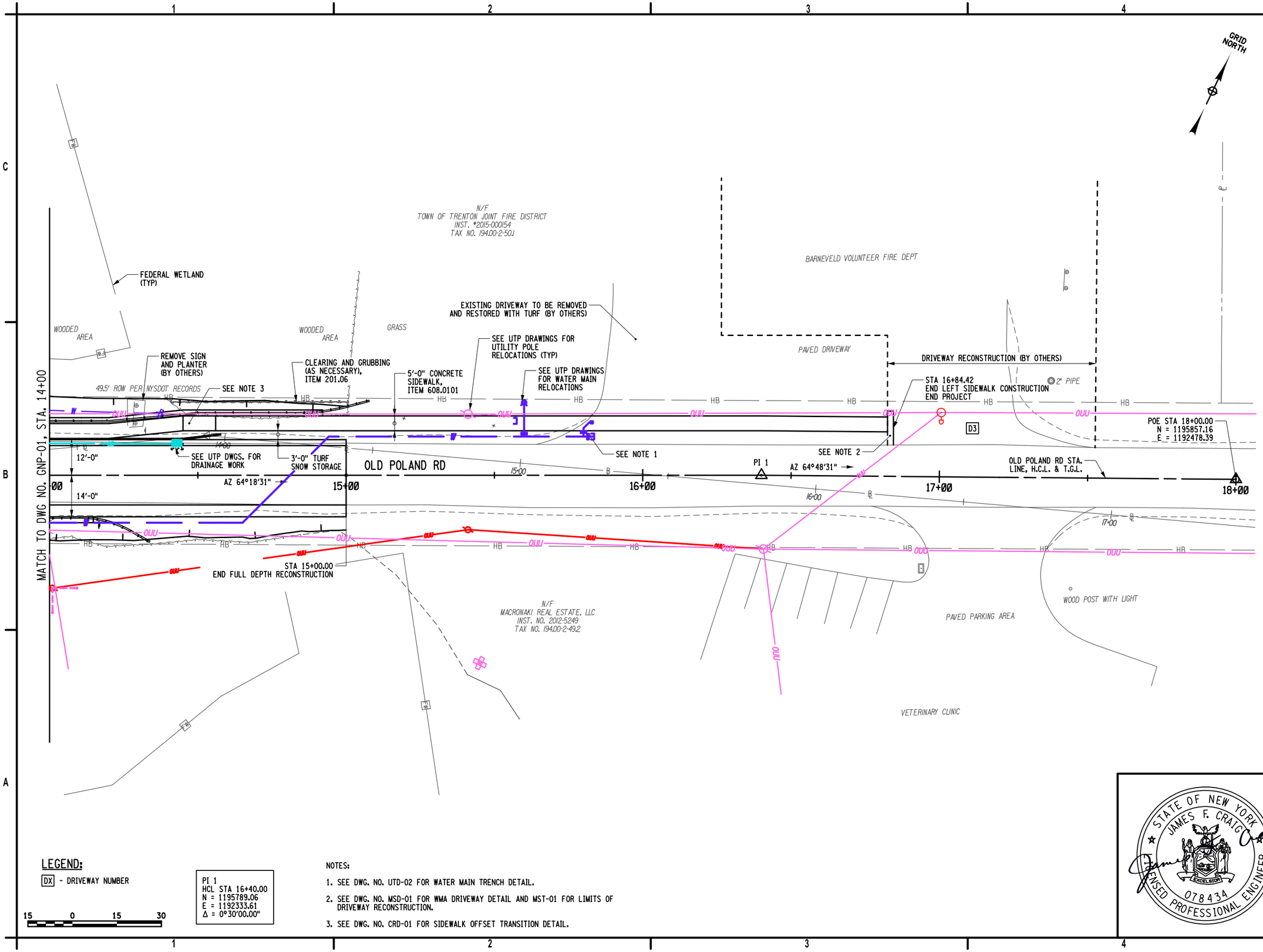

LEGEND:

DX - DRIVEWAY NUMBER

15 0 15 30

PI 1
HCL STA 16+40.00
N = 1195789.06
E = 1192333.61
Δ = 0°30'00.00"

NOTES:

1. SEE DWG. NO. UTD-02 FOR WATER MAIN TRENCH DETAIL.
2. SEE DWG. NO. MSD-01 FOR WMA DRIVEWAY DETAIL AND MST-01 FOR LIMITS OF DRIVEWAY RECONSTRUCTION.
3. SEE DWG. NO. CRD-01 FOR SIDEWALK OFFSET TRANSITION DETAIL.

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ROADWAY PLAN
(2 OF 2)

GNP-02
SHEET 20 OF 74

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3/30/2026
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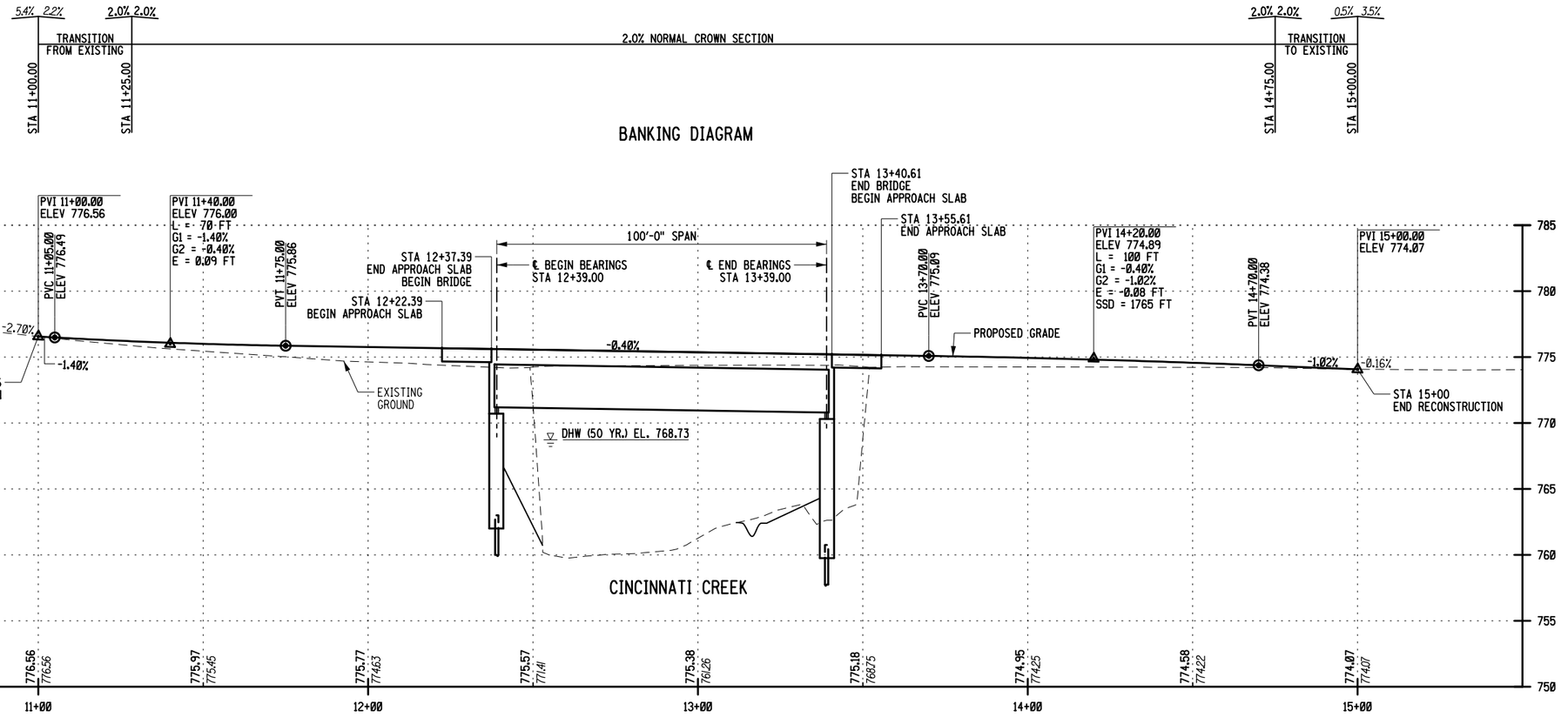
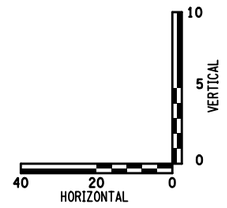


BANKING DIAGRAM

PROFILE
OLD POLAND ROAD



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ROADWAY PROFILE

PRO-01

SHEET 21 OF 74

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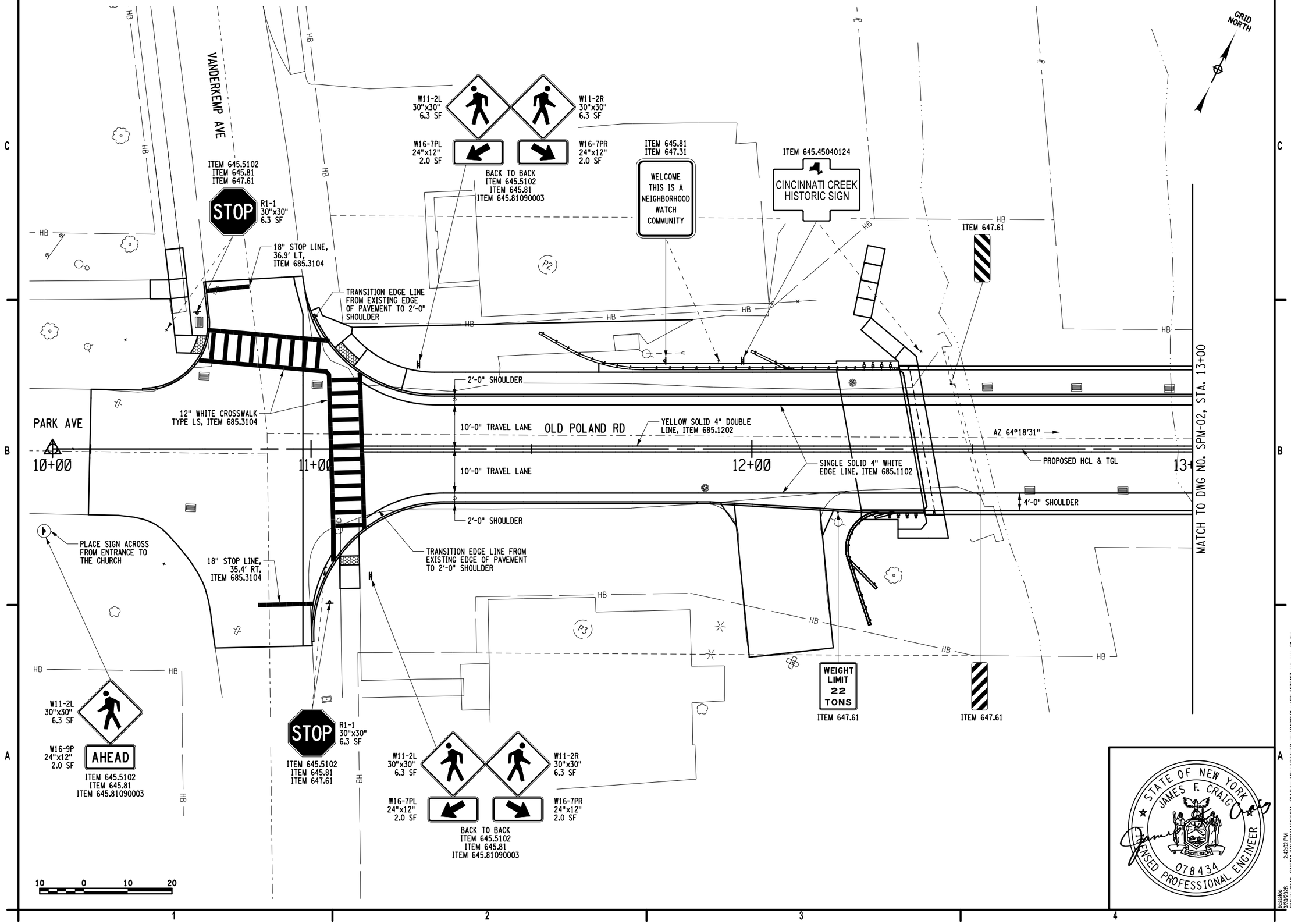

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REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

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SIGNAGE AND PAVEMENT MARKING PLAN (1 OF 2)

STATE OF NEW YORK
JAMES F. CRAIG
078434
LICENSED PROFESSIONAL ENGINEER
EXCELSIOR

SPM-01
SHEET 22 OF 74

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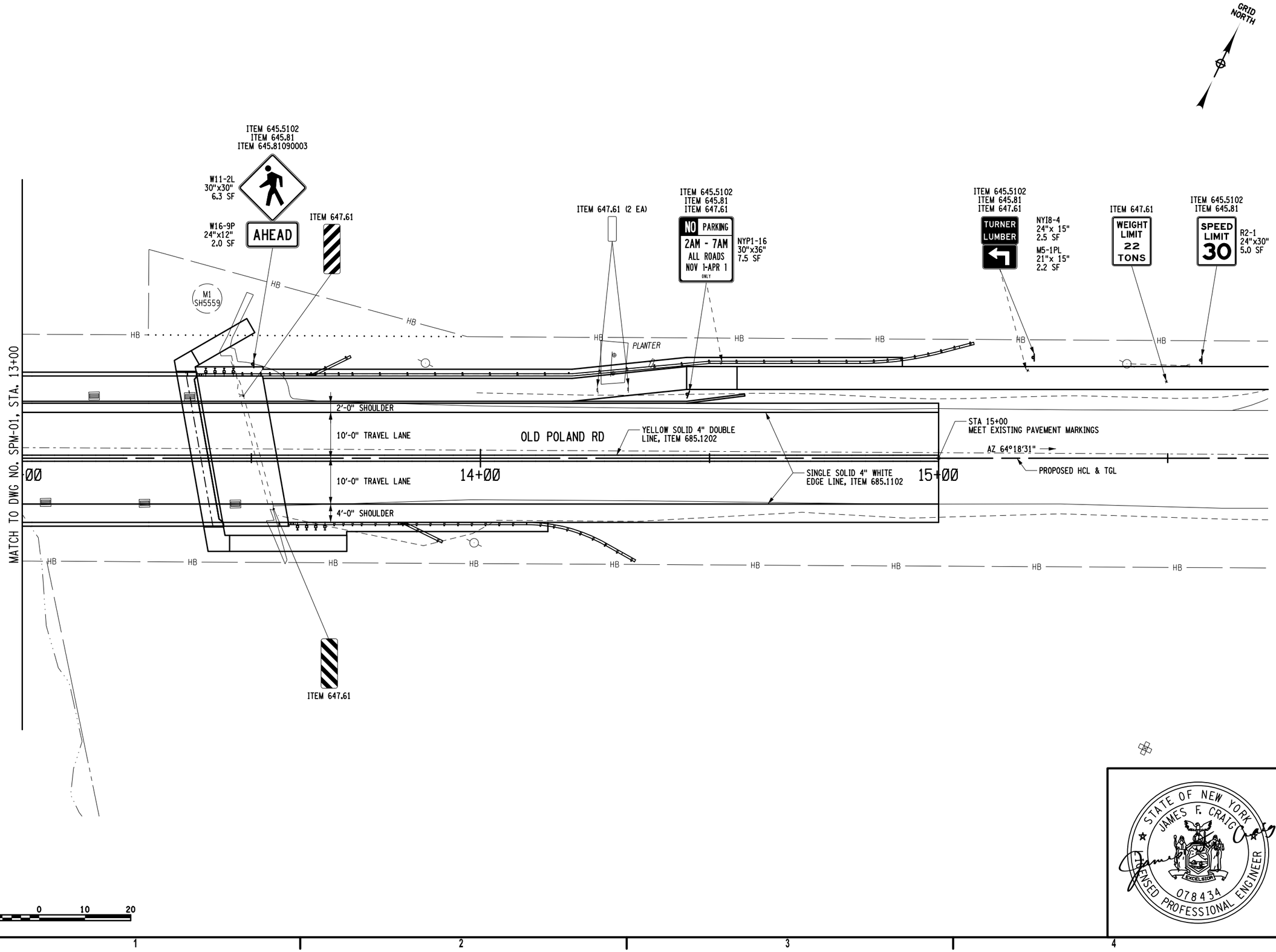

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STATE OF NEW YORK
JAMES F. CRAIG
EXCELSIOR
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SIGNAGE AND PAVEMENT MARKING PLAN (2 OF 2)

SPM-02

SHEET 23 OF 74

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GENERAL NOTES

1. THE TOWN OF TRENTON HAS ADOPTED MOHAWK VALLEY WATER AUTHORITY'S (MVWA) MATERIAL SPECIFICATIONS AND REQUIREMENTS FOR THIS PROJECT, REFER TO THE "OWNERS REQUIREMENTS FOR WATER MAINS/SERVICES AND APPURTENANCES", THIS SHEET.
2. ALL FITTINGS AND COUPLINGS SHALL BE MECHANICALLY RESTRAINED AND SHALL HAVE A MINIMUM COVERAGE DEPTH OF FIVE FEET, UNLESS OTHERWISE NOTED. COST FOR MJxMJ ADAPTER (FOSTER) SHALL INCLUDED UNDER THE RESPECTIVE FITTING ITEMS 663.2001 OR 663.2002.
3. SHOP DRAWINGS OF ALL WATER MAIN AND APPURTENANCES SHALL BE SUBMITTED FOR APPROVAL A MINIMUM OF TWO WEEKS PRIOR TO START OF WORK.
4. REFER TO THE 663 SERIES OF THE NYSDOT STANDARD SHEETS FOR ADDITIONAL WATER MAIN INSTALLATION DETAILS AND NOTES.
5. THE DEPTHS OF EXISTING UTILITIES ARE UNKNOWN. WHERE THE NEW WATER MAIN CROSSES AN EXISTING UTILITY, THE CONTRACTOR SHALL PROCEED WITH CARE NOT TO DISTURB THE EXISTING UTILITY. SHOULD THE CONTRACTOR DISCOVER A CONFLICT WITH AN EXISTING UTILITY, NOTIFY THE ENGINEER IMMEDIATELY.
6. THE CONTRACTOR SHALL REMOVE AND DISPOSE ALL EXISTING VALVES AND VALVE BOXES ON EXISTING WATER MAINS TO BE ABANDONED TO THE SATISFACTION OF THE TOWN OF TRENTON REPRESENTATIVE AND THE E.I.C. PAYMENT WILL BE MADE UNDER ITEM 663.42. THE QUANTITY PROVIDED IS BASED ON THE EXISTING MAPPING AND DOES NOT REPRESENT AN ALL-INCLUSIVE LIST.
7. THE COST TO FURNISH AND INSTALL ALL TEMPORARY AND PERMANENT RESTRAINED CAPS NOT ASSOCIATED WITH ITEM 663.40, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS 663.2001 AND 663.2002.
8. WATER MAINS TO BE ABANDONED SHALL BE CAPPED AND LEFT IN PLACE. THE TOWN MAY ELECT TO FILL ABANDONED PIPES IN ROADWAY SECTIONS WITH CLSM AND WILL BE PAID FOR UNDER ITEM 204.01. REFER TO ASBESTOS CONTAINING MATERIALS (ACM) ON THIS SHEET FOR ADDITIONAL ABANDONMENT DETAILS.
9. CONTRACTOR SHALL CONFIRM THAT ANY EXISTING VALVES THAT ARE REQUIRED TO SHUT DOWN THE EXISTING MAIN ARE FUNCTIONAL PRIOR TO PERFORMING ANY WATER MAIN WORK REPLACEMENT.

WATER SERVICE AND SHUTDOWN NOTES

1. PLANNED SHUT DOWN OF WATER SERVICE TO ANY SIDE ROAD CONNECTION OR BUILDING FACILITY SHALL BE LIMITED TO 4 HOURS MAXIMUM (2 HOURS PREFERRED) WHILE CONNECTION IS TRANSFERRED FROM THE EXISTING WATER MAIN.
2. THE CONTRACTOR SHALL COORDINATE WITH THE TOWN OF TRENTON TO PROVIDE WRITTEN NOTICES TO WATER USERS THAT WILL BE IMPACTED BY A WATER SHUTDOWN. NO USERS SHALL BE OUT OF SERVICE FOR MORE THAN 2 HOURS WITHOUT PRIOR APPROVAL FROM THE TOWN OF TRENTON.
3. ANY WATER SHUTDOWNS THAT WILL IMPACT WATER SUPPLY SHALL BE COORDINATED A MINIMUM OF ONE WEEK IN ADVANCE WITH THE TOWN OF TRENTON, AND WILL NEED TO BE PERFORMED DURING OFF-PEAK HOURS.
4. NOT ALL CURB VALVE BOXES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL LOCATE ALL VALVE BOXES WITH ASSISTANCE FROM THE TOWN. ALL VALVE BOXES SHALL REMAIN AND EXPOSED AT GRADE AT THE COMPLETION OF THE PROJECT.
5. CONNECT THE EXISTING SERVICE PIPE TO THE NEW MAIN IF THE EXISTING SERVICE PIPE IS COPPER OR PLASTIC, HAS A MINIMUM DIAMETER OF 3/4", AND IS IN GOOD CONDITION. CONTRACTOR TO ALERT THE TOWN OF TRENTON REPRESENTATIVE IF CONDITIONS EXIST OTHERWISE.
6. THE TOWN OF TRENTON REPRESENTATIVE AND THE E.I.C. SHALL MAKE THE FINAL DECISION ON THE REUSE AND SIZE OF ALL SERVICES.
7. THE CONTRACTOR SHALL ALERT THE TOWN OF TRENTON REPRESENTATIVE AND THE E.I.C. IF ANY PRIVATE SERVICE CONNECTIONS ARE LEAD OR GALVANIZED PIPE.
8. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTING ALL EXISTING SERVICE CONNECTIONS TO THE NEW WATER MAIN TO THE SATISFACTION OF THE TOWN OF TRENTON REPRESENTATIVE AND THE E.I.C.

ASBESTOS CONTAINING MATERIALS (ACM)

1. ASBESTOS CEMENT WATER MAINS WILL BE DISTURBED DURING THE CONSTRUCTION OF THIS PROJECT. REFER TO ACM WATER MAIN AND VALVE REMOVAL TABLE ON DRAWING UTN-01, SPECIAL NOTES IN THE CONTRACT PROPOSAL AND THE LIMITED HAZARDOUS MATERIALS SURVEY PREPARED BY ATLANTIC TESTING LABORATORIES ON AUGUST 9, 2023.
2. ALL SUSPENDED WATER MAIN SHALL BE REMOVED AND PROPERLY DISPOSED. COST TO BE PAID FOR UNDER ITEM 210.3211.
3. ALL UNDERGROUND WATER MAIN SHALL BE REMOVED AND PROPERLY DISPOSED OF WHEN EXPOSED DURING ANY EXCAVATION OPERATION, COST TO BE PAID FOR UNDER ITEM 210.3111. THIS INCLUDES BUT NOT LIMITED TO BRIDGE, DRAINAGE AND WATER MAIN EXCAVATION. ANY ADDITIONAL EXCAVATION THAT IS REQUIRED TO REMOVE BURIED ACM PIPE ONCE EXPOSED SHALL BE INCLUDED UNDER ITEM 210.3111. IF THE WATER MAIN IS NOT EXPOSED IT MAY REMAIN IN PLACE.

OWNER REQUIREMENTS FOR WATER MAINS AND APPURTENANCES

THE OWNER OR OWNER'S ENGINEERING REPRESENTATIVE MUST REVIEW AND APPROVE ALL MATERIALS AND DETAILS PRIOR TO INSTALLATION. THE ESTIMATED TIME REQUIRED FOR APPROVAL BY THE OWNER DURING CONSTRUCTION IS 7 BUSINESS DAYS.

CONTACT INFORMATION

OWNER: TOWN OF TRENTON WATER DEPARTMENT
ADDRESS: PO BOX 305
CITY, STATE, ZIP: BARNEVELD, NY 13304-0305
CONTACT: TAYLOR MILLS, WATER DEPARTMENT OPERATOR
PHONE: (315) 939-0325

OWNERS MATERIAL REQUIREMENTS FOR WATER MAINS/SERVICES AND APPURTENANCES

WATER MAIN & SERVICES LARGER THAN 2" DIAMETER:

1. WATER MAINS/SERVICES (LARGER THAN 2" DIAMETER): DUCTILE IRON, C111 (PUSH-ON JOINT); C104 CEMENT LINING (INSIDE) AND ASPHALTIC COATINGS (OUTSIDE) AND 2 BRASS WEDGES PER JOINT.
   - MAIN PRESSURE < 100PSI: CLASS 52 PER SPECIFICATIONS AWWA C151
   - MAIN PRESSURE (OR POTENTIAL PRESSURE) = 100PSI: CLASS 52 PER SPECIFICATIONS AWWA C151
2. CAST COUPLINGS: STRAIGHT COUPLINGS; MANUFACTURER: SMITH-BLAIR SERIES 441 OR APPROVED EQUAL. ALL HARDWARE SHALL BE 304 SS PER ASTM F593 & F594.
3. FITTINGS: CAST OR DUCTILE IRON PER SPECIFICATIONS AWWA C110; C153; C111 (MECHANICAL JOINT); C104 CEMENT LINING (INSIDE) AND ASPHALTIC COATINGS (OUTSIDE) WITH TWO (2) EACH MECHANICAL JOINT RETAINER GLANDS AND BOLT KITS. ALL HARDWARE SHALL BE 304 SS PER ASTM F593 & F594.
4. FITTINGS (HYDRANT): IN ADDITION TO "FITTINGS" SPECIFICATIONS, HYDRANT TEES SHALL BE ANCHORING TYPE; MANUFACTURER: CLOW F-1217 OR MVWA APPROVED EQUAL. ALL HARDWARE SHALL BE 304 SS PER ASTM F593 & F594.
5. HYDRANTS: AWWA C502, C111 (MECHANICAL JOINT CONNECTION - 6"); OPEN COUNTER-CLOCKWISE; ALL HYDRANT OPERATING AND CAP NUTS WILL BE 1½" PENTAGON; 5½" BURY; TWO (2) 2½" AND ONE (1) 5" STORZ OUTLET; 5¼" BOTTOM VALVE OPENING. ALL HARDWARE SHALL BE 304 SS PER ASTM F593 & F594.
   - MVWA HYDRANTS TO BE PAINTED RED WITH YELLOW BONNET AND NOZZLE CAPS.
   - HYDRANT THREAD AND OPERATING NUTS SHALL CONFORM TO "WHITESTOWN" AS APPROVED BY THE MVWA FOR THE AREA BEING SERVICED.
   - ACCEPTABLE MODELS: KENNEDY K-81 A OR D. NO OTHER HYDRANT MANUFACTURERS OR MODELS WILL BE ACCEPTED BY THE MVWA.
6. HYDRANT EXTENSIONS: ALL COMPONENTS OF THE FIRE HYDRANT EXTENSION KIT SHALL BE DESIGNED FOR, AND PROPERLY FIT, THE FIRE HYDRANT. NEITHER THE EXTENSION KIT NOR ANY COMPONENT OF THE KIT SHALL DIMINISH THE OPERATING EFFICIENCY OR SERVICE LIFE OF THE FIRE HYDRANT OR WHICH THEY ARE ATTACHED. ALL COMPONENTS SHALL CONFORM TO ANSI/AWWA C502. FIRE HYDRANT EXTENSION KITS SHALL INCLUDE THE APPROPRIATE QUANTITY OF BARRELS, FLANGES, COUPLINGS, STEMS OR RODS, GASKETS, LUBRICANT AND HARDWARE TO COMPLETE THE INSTALLATION. ALL HARDWARE SHALL BE 304 SS PER ASTM F593 & F594.
7. MECHANICAL JOINT RESTRAINTS, BOLT-THROUGH (FOSTER ADAPTER): DUCTILE IRON CONFORMING TO ANSI/AWWA C153/A21.53 (CURRENT REVISION). FUSION BONDED EPOXY COATED. MECHANICAL JOINT (MJ) VALVES AND FITTINGS SHALL BE CONNECTED USING A BOLT-THROUGH POSITIVE RESTRAINT MECHANISM MANUFACTURED OF DUCTILE IRON CONFORMING TO ASTM A 80-55-06. THE POSITIVE RESTRAINT DEVICE SHALL CONNECT THE VALVES AND/OR FITTINGS AT A LINEAR DISTANCE NOT TO EXCEED ONE (1) INCH AND WITHOUT ATTACHMENT TO PIPE. THE BOLT-THROUGH MJ POSITIVE RESTRAINING DEVICE SHALL BE SUPPLIED WITH ASPHALTIC/EPOXY COATINGS IN ACCORDANCE WITH ANSI/AWWA C153/A21.53 AND ANSI/AWWA C104/A21.4 AND SIZED TO BE USED WITH STANDARD MECHANICAL JOINT FITTINGS (AWWA C110 OR C153) AND VALVES. THE DEVICE SHALL HAVE A MINIMUM WORKING PRESSURE RATING OF 350 PSI. MANUFACTURER: INFACT CORPORATION OR APPROVED EQUAL. T-BOLT HARDWARE SHALL BE 304 SS PER ASTM F593 & F594.
8. RETAINER GLANDS: MANUFACTURER: FORD, UNI-FLANGE WEDGE ACTION RETAINER FOR DUCTILE IRON PIPE (SERIES 1400); EBAA "MEGA LUG" (SERIES 1100); OR APPROVED EQUAL (SET SCREW NOT ACCEPTABLE). ALL RETAINER GLANDS SHALL INCLUDE APPROPRIATE RUBBER & BOLT KIT. T-BOLT HARDWARE SHALL BE 304 SS PER ASTM F593 & F594.
9. VALVES: GATE VALVES (RESILIENT WEDGE), AWWA C509; C515; C111 (MECHANICAL JOINT); OPEN CLOCKWISE; MANUFACTURER: KENNEDY KENSEAL II OR APPROVED EQUAL WITH TWO (2) EACH MECHANICAL JOINT RETAINER GLANDS AND BOLT KITS. ALL EXPOSED HARDWARE SHALL BE 304 SS PER ASTM F593 & F594.
10. VALVE BOXES: MANUFACTURER: BINGHAM AND TAYLOR OR APPROVED EQUAL. "BUFFALO" STYLE - 5¼" DIAMETER, 3 PIECE SCREW TYPE, SIZE D WITH NO. 6 BASE.

WATER SERVICES SMALLER THAN 2" DIAMETER:

1. WATER SERVICE: FOLLOWING SERVICE LINE MATERIALS FOR 2" AND SMALLER (3/4" OR 1" SIZE MOST COMMON):
   - COPPER TUBING: TYPE K (TYPE L NOT ACCEPTABLE), ASTM B88 (USE 3/4" DIAMETER WHEN PRESSURE IS GREATER THAN 50 PSI; USE 1" FOR PRESSURE LESS THAN 50 PSI). A COMPRESSION OR SILVERSOLDERED JOINT IS ALLOWABLE ONLY IF MORE THAN A FULL COIL IS NECESSARY. COPPER TUBING IS REQUIRED FROM THE CORPORATION STOP TO THE METER.
   - HDPE: 200 PSI, NO JOINTS. HDPE IS AN ACCEPTABLE ALTERNATIVE TO COPPER TUBING ONLY FROM A METER CHAMBER TO THE BUILDING.
2. BACKFLOW PREVENTER/DEVICE: APPROPRIATE BACKFLOW PROTECTION REQUIRED FOR FIRE/COMBINED SERVICES.
3. CORPORATION STOP/VALVE: AY MCDONALD NL-74701Q, FORD F1000-X-NL, OR APPROVED EQUAL.
4. CURB BOX: MANUFACTURER: BINGHAM AND TAYLOR OR APPROVED EQUAL. "OLD STYLE" BUFFALO, 2½" SHAFT, THREE PIECE SCREW TYPE, SIZE 94E OR APPROVED EQUAL WHICH PROVIDES FULL INSIDE DIAMETER ACCESS TO THE CURB STOP. "MUSHROOM-STYLE" (ECLIPSE STYLE) NOT ACCEPTABLE.
5. CURB STOPS/VALVE: AY MCDONALD NL-76100Q, FORD Z44-XXX-Q-NL, OR APPROVED EQUAL INSTALLED AT PROPERTY LINE.

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REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK
TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: D. BUSH
DESIGNED BY: D. BUSH
CHECKED BY: J. REINA

CIVIL

WATER MAIN NOTES (1 OF 2)

UTN-01
SHEET 24 OF 74

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WATER MAIN HYDROSTATIC TESTING AND DISINFECTING PROCEDURES

1. EXECUTION OF THE HYDROSTATIC PRESSURE TEST

   A. HYDROSTATIC PRESSURE TEST AND LEAKAGE TEST SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C600.

   B. PRESSURE TEST ALL WATER MAINS FROM MAIN LINE VALVE TO MAIN LINE VALVE OR TAPPING VALVE UNLESS OTHERWISE SPECIFIED.

   C. THE CONTRACTOR SHALL FURNISH ALL EQUIPMENT, CONNECTIONS, PIPING, METERS, MEASURING, DEVICES, PUMPS, AND TEMPORARY ENCLOSURES NECESSARY TO PERFORM THE REQUIRED TESTS. TESTING SHALL BE MADE ON SECTIONS OF WATER MAIN NOT TO EXCEED 2,000 FEET IN LENGTH.

   D. PRIOR TO FORMAL TESTING, THE MAINS SHALL BE THOROUGHLY FLUSHED. FILL TEST SECTION OF PIPE WITH WATER OF APPROVED QUALITY, AND REMOVE ALL AIR FROM TEST SECTION. WATER FOR TESTING AND FLUSHING SHALL BE OBTAINED FROM EXISTING WATER SYSTEM BY THE CONTRACTOR, FROM THE OWNER. ARRANGEMENTS SHALL BE MADE WITH THE WATER SYSTEM OPERATOR FOR PAYMENT OF WATER USED IF REQUIRED.

   E. AFTER FILLING THE WATER MAIN AND PRIOR TO APPLICATION OF PRESSURE TEST, THE TEST SECTION SHALL BE MAINTAINED AT THE WORKING PRESSURE FOR A SUFFICIENT PERIOD OF TIME FOR IT TO STABILIZE. THIS MAY REQUIRE SEVERAL CYCLES OF PRESSURIZING AND BLEEDING TRAPPED AIR PRIOR TO BEGINNING TEST.

   F. USING A PUMP CONNECTED TO THE PIPE, RAISE THE WATER PRESSURE TO 150 PSI. TEST PRESSURE SHALL BE BASED ON THE ELEVATION OF THE LOWEST POINT UNDER TEST. USE A 300 PSI MAXIMUM TEST GAUGE TO MEASURE THE PRESSURE. THE PUMP, PIPE, CONNECTIONS, GAUGES, AND MEASURING DEVICES SHALL BE CALIBRATED TO THE SATISFACTION OF THE ENGINEER.

   G. THE HYDROSTATIC TEST SHALL BE OF AT LEAST A 2-HOUR DURATION AND THE TEST PRESSURE SHALL NOT VARY BY MORE THAN +/-5 PSI.

   H. TEST PRESSURE SHALL BE MAINTAINED WITHIN THIS TOLERANCE BY ADDING MAKEUP WATER IN ACCORDANCE WITH AWWA C600.

   I. IF ANY TEST REQUIRES A QUANTITY OF MAKEUP WATER GREATER THAN THE TESTING ALLOWANCE SPECIFIED IN AWWA C600, THE WATER MAIN SHALL BE REPAIRED OR REPLACED. ALL VISIBLE LEAKS ARE TO BE REPAIRED REGARDLESS OF THE ALLOWANCE USED FOR TESTING. RETEST ALL SECTIONS OF PIPE THAT FAIL PRESSURE TEST.

2. EXECUTION OF DISINFECTING AND HEALTH SAMPLING

   A. BEFORE THE MAIN IS CHLORINATED AND AFTER COMPLETION OF A SUCCESSFUL PRESSURE TEST, THE MAIN SHALL BE FLUSHED TO ELIMINATE AIR POCKETS AND REMOVE PARTICULATES. THE FLUSHING VELOCITY IN THE MAIN SHALL NOT BE LESS THAN 3.0 FT/SEC.

   B. PROVIDE 24 HOURS' NOTICE TO THE OWNER PRIOR TO FLUSHING ANY SECTION OF MAIN. OWNER SHALL REVIEW AND APPROVE BOTH TIME AND RATE OF FLUSHING.

   C. ALL WATER MAINS AND APPURTENANCES SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C651, AND THE REQUIREMENTS OF NYS DEPARTMENT OF HEALTH, USING THE CONTINUOUS FEED METHOD. THE REQUIREMENTS OF NYS DEPARTMENT OF HEALTH SHALL GOVERN WHEN THERE IS A CONFLICT. SWIMMING POOL CHLORINE WILL NOT BE ACCEPTED FOR USE TO DISINFECT THE WATER MAIN.

   D. RETAIN CHLORINATED WATER IN PIPE OR STRUCTURE AT LEAST TWENTY-FOUR (24) HOURS, UNLESS OTHERWISE DIRECTED. OPERATE ALL VALVES AND HYDRANTS WITHIN DISINFECTION SECTION DURING RETENTION PERIOD.

   E. AFTER THE RETENTION PERIOD, THOROUGHLY FLUSH THE PIPE AND/OR STRUCTURE UNTIL WATER IN IT HAS A CHLORINE RESIDUAL COMPARABLE TO THAT OF THE WATER IN THE ADJACENT PUBLIC WATER SUPPLY SYSTEM. DISPOSE OF CHLORINATED WATER FROM ANY PIPE OR STRUCTURE SUCH THAT IT WILL NOT CAUSE DAMAGE TO ANY VEGETATION, FISH, OR ANIMAL LIFE.

   F. SCHEDULE HEALTH SAMPLING OF THE TEST SECTION BY THE ONEIDA COUNTY DEPARTMENT OF HEALTH A MINIMUM 24 HOURS IN ADVANCE. AS A MINIMUM, 1 SAMPLE SHALL BE COLLECTED EVERY 1,200 FEET OF NEW MAIN, PLUS ONE FROM THE END OF LINE AND AT LEAST ONE FROM EACH BRANCH GREATER THAN ONE PIPE LENGTH. TWO CONSECUTIVE SAMPLES SHALL BE TAKEN AND ANALYZED BY THE ONEIDA COUNTY DEPARTMENT OF HEALTH. THE LOCATION OF THE SAMPLING TAP MUST BE APPROVED BY THE WATER SYSTEM OPERATOR.

   G. THE LOCATION OF SAMPLING TAPS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE WATER SYSTEM OPERATOR AND ENGINEER. ALL HEALTH SAMPLES MUST BE OBTAINED IN THE PRESENCE OF THE ENGINEER. SAMPLING POINTS MUST BE PROPERLY DISINFECTED PRIOR TO SAMPLES BEING TAKEN. FIRE HYDRANTS SHALL NOT BE USED FOR SAMPLING POINTS.

   H. THE CONTRACTOR IS RESPONSIBLE TO ATTAIN A CHLORINE RESIDUAL OF 0.3 TO 0.5 MG/L. FLUSH AND RE-CHLORINATE ALL SECTIONS OF PIPE THAT FAIL THE HEALTH SAMPLE TEST IN ACCORDANCE WITH AWWA C651.

   I. ALL APPURTENANCES AND SECTIONS OF WATER MAIN THAT CANNOT NORMALLY BE DISINFECTED SHALL BE SWABBED BY THE CONTRACTOR, TO THE SATISFACTION OF THE WATER SYSTEM OPERATOR. THE CONTRACTOR SHALL ALSO DISINFECT ALL EXISTING WATER LINES AND APPURTENANCES WHICH WERE BROKEN, DAMAGED, CONTAMINATED, OR SUSPECTED OF BEING CONTAMINATED AS A RESULT OF WORK DONE WITH THIS PROJECT.

   J. THE DESIGN ENGINEER IS RESPONSIBLE FOR CERTIFYING TO THE WATER SYSTEM OPERATOR AND THE DEPARTMENT OF HEALTH THAT THE WATER MAIN WAS INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THAT THE FLUSHING, TESTING, AND DISINFECTION WAS PERFORMED IN ACCORDANCE WITH THESE REQUIREMENTS. THE DESIGN ENGINEER SHALL SUBMIT THIS CERTIFICATION ALONG WITH THE PRESSURE TEST AND BACTERIOLOGICAL TESTING RESULTS TO THE WATER SYSTEM OPERATOR AND THE ONEIDA COUNTY DEPARTMENT OF HEALTH. THE WATER MAIN CANNOT BE PLACED IN SERVICE UNTIL AN APPROVAL OF COMPLETED WORKS IS RECEIVED FROM THE ONEIDA COUNTY DEPARTMENT OF HEALTH.

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ONEIDA COUNTY NEW YORK 1798

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

PIN 2754.67
BIN 2205960

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: D. BUSH
DESIGNED BY: D. BUSH
CHECKED BY: J. REINA

CIVIL

WATER MAIN NOTES (2 OF 2)

UTN-02

SHEET 25 OF 74

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DRAINAGE TABLE

ITEM 203.07: SELECT GRANULAR FILL
ITEM 206.0201: TRENCH AND CULVERT EXCAVATION
ITEM 603.171116: GALVANIZED STEEL END SECTIONS-PIPE 15 INCH DIAMETER, 16 GAUGE
ITEM 603.172012: GALVANIZED STEEL END SECTIONS-PIPE 48 INCH DIAMETER, 12 GAUGE
ITEM 603.9812: SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORMDRAIN 12 INCH DIAMETER
ITEM 603.9818: SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORMDRAIN 18 INCH DIAMETER
ITEM 603.9836: SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORMDRAIN 36 INCH DIAMETER
ITEM 603.9842: SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORMDRAIN 42 INCH DIAMETER
ITEM 604.070301: ALTERING DRAINAGE STRUCTURES, LEACHING BASINS, AND MANHOLES
ITEM 604.301172: RECTANGULAR DRAINAGE STRUCTURE TYPE K FOR CAST IRON F2 FRAME
ITEM 604.301772: RECTANGULAR DRAINAGE STRUCTURE TYPE Q FOR CAST IRON F2 FRAME
ITEM 604.302091: RECTANGULAR DRAINAGE STRUCTURE TYPE T FOR PARALLEL BAR # 11 PCB FRAME
ITEM 623.12: CRUSHED STONE (IN PLACE MEASURE)
ITEM 655.0705: CAST FRAME F2, UNMOUNTABLE CURB BOX CU2 & RETICULINEGRATE G2
ITEM 655.0902: PARALLEL BAR FRAME 11 PCB AND PARALLEL BAR GRATE 11 PCB
ITEM 655.1202: MANHOLE FRAME AND COVER

STRUCTURE NUMBER	HCL STATION	OFFSET (FT)	SIDE	WORK TO BE PERFORMED	RIM ELEVATION	INVERT ELEVATION	ITEM 203.07	ITEM 206.0201	ITEM 603.171116	ITEM 603.172012	ITEM 603.9812	ITEM 603.9818	ITEM 603.9836	ITEM 603.9842	ITEM 604.070301	ITEM 604.301172	ITEM 604.301772	ITEM 604.302091	ITEM 623.12	ITEM 655.0705	ITEM 655.0902	ITEM 655.1202
							CY	CY	EA	EA	LF	LF	LF	LF	EA	LF	LF	LF	CY	EA	EA	EA
DS 1-1	STA 10+72	17.4	LT	PROVIDE DRAINAGE STRUCTURE TYPE T WITH PARALLEL BAR #11PCB FRAME AND GRATE. DRAIN 54 LF OF 18" SICPP TO DS 1-2. REMOVE EXISTING DRAINAGE STRUCTURE AND APPROXIMATELY 26 LF OF EXISTING 18" VTP TO DS 1-8.	776.40	E: 772.45	19.7	58.1				54						4.3	16.3		1	
DS 1-2	STA 11+29	12.0	LT	PROVIDE DRAINAGE STRUCTURE TYPE Q WITH CAST IRON F2 FRAME AND CURB BOX. DRAIN 84 LF OF 18" SICPP TO DS 1-3.	775.97	E: 771.94 W: 771.94	10.6	58.4				84					4.4		25.3	1		
DS 1-3	STA 12+16	12.0	LT	PROVIDE DRAINAGE STRUCTURE TYPE Q WITH CAST IRON F2 FRAME AND CURB BOX. DRAIN 18 LF OF 18" SICPP TO DS 1-5.	775.45	S: 771.08 W: 771.08	13.1	23.8				18					4.7		5.4	1		
DS 1-4	STA 11+89	8.8	RT	REMOVE AND DISPOSE OF APPROXIMATELY 65 LF OF 18" VTP AND 40 LF OF 36" VTP TO DS 1-9. CAP EXISTING 18" AND 36" OUTLETS INSIDE THE STRUCTURE. MODIFY EXISTING STRUCTURE TO ACCEPT NEW 36" SICPP. DRAIN 28 LF OF 36" SICPP TO DS 1-5. ALTER EXISTING MANHOLE FRAME AND GRATE TO MEET FINISHED GRADE.	775.63	E: 768.72	96.5	122.7					28		1							
DS 1-5	STA 12+20	13.6	RT	PROVIDE DRAINAGE STRUCTURE TYPE K WITH CAST IRON F2 FRAME AND CURB BOX. DRAIN 17 LF OF 42" SICPP TO DS 1-6.	775.41	N: 770.90 S: 768.44 W: 768.44	23.0	51.40						17		7.4			12.2	1		
DS 1-6	STA 12+19	33.0	RT	PROVIDE RECTANGULAR DRAINAGE STRUCTURE TYPE K WITH MANHOLE FRAME AND SOLID COVER. DRAIN 25 LF OF 42" SICPP AND OUTLET TO CINCINNATI CREEK. PROVIDE 48" G.S.E.S. AT OUTLET.	774.00	N: 768.10 E: 768.10 OUTLET: 767.60	17.10	53.50		1				25		6.3			17.9			1
DS 1-7	STA 10+75	29.0	LT	REMOVE AND DISPOSE OF EXISTING DRAINAGE STRUCTURE AND APPROXIMATELY 10 LF OF EXISTING 6" PVC TO DS 1-1.	776.14	S: 774.84	2.90	6.80														
DS 1-8	STA 11+01	15.0	LT	REMOVE AND DISPOSE OF EXISTING DRAINAGE STRUCTURE AND APPROXIMATELY 122 LF OF EXISTING 18" VTP TO DS 1-9.	775.72	NE: 772.17 SW: 772.22	59.90	87.00														
DS 1-9	STA 12+23	15.0	LT	REMOVE AND DISPOSE OF EXISTING DRAINAGE STRUCTURE AND APPROXIMATELY 26 LF OF EXISTING 30" VTP.	774.29	NE: 766.49 W: 767.29 SW: 766.79	34.3	44														
DS 2-1	STA 14+43	12.0	LT	PROVIDE DRAINAGE STRUCTURE TYPE Q WITH CAST IRON F2 FRAME AND CURB BOX. DRAIN 83 LF OF 12" SICPP TO DS 2-2.	774.39	W: 772.39	5.20	29.80			83						2.2		10.7	1		
DS 2-2	STA 13+57	12.0	LT	PROVIDE DRAINAGE STRUCTURE TYPE Q WITH CAST IRON F2 FRAME AND CURB BOX. DRAIN 13 LF OF 12" SICPP AND OUTLET TO CINCINNATI CREEK. PROVIDE 15" G.S.E.S AT OUTLET.	774.90	E:771.98 OUTLET: 771.90	7.3	14.1	1		13						3.3		1.7	1		
						TOTALS:	**289.6**	**549.6**	**1**	**1**	**96**	**156**	**28**	**42**	**1**	**13.7**	**14.6**	**4.3**	**89.5**	**5.0**	**1**	**1**
						ROUNDED TOTALS:	**290**	**550**	**1**	**1**	**96**	**156**	**28**	**42**	**1**	**14**	**15**	**5**	**90**	**5**	**1**	**1**

NOTES:

1. FOR STRUCTURES LOCATED ALONG THE CURB LINE, THE OFFSET DISTANCE AND RIM ELEVATION IS MEASURED AT THE FACE OF CURB.
2. FOR STRUCTURES LOCATED ELSEWHERE, THE OFFSET DISTANCE AND RIM ELEVATION ARE MEASURED TO THE MIDDLE OF THE STRUCTURE.
3. THE CONTRACTOR SHALL VERIFY FINAL GRADE ELEVATION AND ADJUST RIM ELEVATION ACCORDINGLY.
4. WHERE NEW STRUCTURES AND/OR PIPE IS TO BE CONNECTED TO EXISTING PIPE, THE CONTRACTOR SHALL FIELD VERIFY INVERT ELEVATIONS.

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ONEIDA COUNTY NEW YORK 1798

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

PIN 2754.67
BIN 2205960
LD040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: E. JAWORSKI
DESIGNED BY: E. JAWORSKI
CHECKED BY: J. REINA

STATE OF NEW YORK · JAMES F. CRAIG · 078434 · LICENSED PROFESSIONAL ENGINEER

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UTILITY TABLES (1 OF 2)

UTT-01

WATER MAIN TABLE

ITEM 663.0106 - DUCTILE IRON CEMENT LINED WATER PIPE, 6"
ITEM 663.0110 - DUCTILE IRON CEMENT LINED WATER PIPE, 10"
ITEM 663.0510- BRIDGE MOUNTED WATER PIPE, 10"

FROM STATION	OFFSET	TO STATION	OFFSET	ITEM 663.0106 (LF)	ITEM 663.0110 (LF)	ITEM 663.0510 (LF)
10+82	16.0 RT	12+35	16.0 RT		153	
12+33	16.0 RT	13+51	16.0 RT			118
13+49	16.0 RT	14+65	16.0 RT		116	
14+65	16.0 RT	14+94	13.0 LT		41	
14+94	13.0 LT	15+60	13.0 LT		66	
15+60	13.0 LT	15+60	25.0 LT	12		
15+60	13.0 LT	15+80	13.0 LT		20	
15+80	13.0 LT	15+83	16.0 LT	5		
15+83	16.0 LT	15+83	17.8 LT	5	2	
			TOTAL:	22	398	118
			ROUNDED TOTAL:	25	400	118

WATER SERVICES TABLE

ITEM 663.0604 - COPPER WATER SERVICE PIPE 1"
ITEM 663.2504 - WATER SERVICE CONNECTION, (1") (EA)
ITEM 663.44 - REMOVE AND DISPOSE OF EXISTING WATER SERVICE CONNECTION (EA)

ADDRESS	STATION	OFFSET	EXISTING MATERIAL	EXISTING SIZE (IN)	ITEM 663.0604 (LF)	ITEM 663.2504 (EA)	ITEM 663.44 (EA)	COMMENT
112 VANDERKEMP AVE	11+81	24.0 LT	UNKNOWN	UNKNOWN	40.0	1	1	RESIDENTIAL
114 VANDERKEMP AVE	NO WORK PROPOSED							RESIDENTIAL
8530 OLD POLAND RD	NO WORK PROPOSED							BARNEVELD VOL. FIRE DEPARTMENT
				TOTAL	40	1	1	
				ROUNDED TOTAL	40	1	1	

NOTES:
1. STATIONS AND OFFSETS REFERENCE PROPOSED CURB BOX/VALVE LOCATIONS.
2. SERVICE MATERIAL AND SIZE SHALL BE VERIFIED PRIOR TO INSTALLING NEW SERVICE LINE(S). SERVICE(S) SHALL BE REPLACED WITH AN INTERIOR DIAMETER THAT MATCHES THE EXISTING PIPE (AT MINIMUM).
3. SERVICES FOUND TO BE GALVANZIED OR LEAD SHALL RECEIVE A COMPLETE SERVICE REPLACEMENT.
4. CONTRACTOR SHALL VERIFY THERE ARE NO ADDITIONAL SERVICES THAT ARE CONNECTED TO THE EXISTING WATER MAIN SEGMENT THAT IS TO BE REPLACED. IF SERVICES ARE FOUND TO BE WITHIN THESE LIMITS THEY SHALL CONNECTED TO THE NEW WATER MAIN.

WATER MAIN VALVE TABLE

ITEM 663.1006 - RESILIENT WEDGE VALVE & VALVE BOX, 6"
ITEM 663.1010 - RESILIENT WEDGE VALVE & VALVE BOX, 10"

STATION	OFFSET	ITEM 663.1006 (EA)	ITEM 663.1010 (EA)
10+82	16.0 RT		3
12+15	16.0 RT		1
13+74	16.0 RT		1
15+60	14.0 LT	1	
15+82	17.8 LT	1	1
TOTAL:		2	6
ROUNDED TOTAL:		2	6

WATER MAIN COUPLING TABLE

ITEM 663.1806 - BOLTED SLEEVE TYPE COUPLING, 6"

STATION	OFFSET	ITEM 663.1806 (EA)	CONNECTION TYPE
10+82	16.0 RT	2	COUPLERS
15+84	13.0 LT	1	COUPLERS
TOTAL:		3	
ROUNDED TOTAL:		3	

NOTE:
1. TRANISTION COUPLINGS SHALL ACCOMMODATE A CONNECTION FROM DUCTILE IRON PIPE OR SPOOL TO EXISTING AC CONCRETE PIPE.

WATERMAIN EARTHWORK TABLE

FROM STATION	TO STATION	PIPE SIZE (IN)	WIDTH (LF)	AVG. DEPTH (LF)	LENGTH (LF)	ITEM 203.07 (CY)	ITEM 623.12 (CY)	ITEM 206.0201 (CY)	ITEM 304.12 (CY)	NOTES
10+82	10+98	10	4	6.33	16	5.7	5.5	15.0	3.8	IN ROADWAY
10+98	11+10	10	4	6.33	12	4.3	4.1	11.3	2.8	IN ROADWAY
11+10	11+96	10	4	6.33	86	46.7	29.7	80.7	-	
11+81	11+81	1	3	5.58	40	16.3	7.0	24.8	7.0	SERVICE
11+96	12+20	10	4	8.11	24	19.3	8.3	28.8		
12+20	12+35	10	4	8.11	15	12.1	5.2	18.0	-	
13+49	14+65	10	4	6.33	116	63.0	40.1	108.8	-	
14+65	14+94	10	4	6.33	42	15.0	14.5	39.4	9.9	IN ROADWAY
14+94	15+72	10	4	6.33	78	42.4	27.0	73.2	-	
15+60	15+60	6	3	6.00	12	4.9	2.7	8.0	-	HYDRANT
15+72	15+80	10	4	6.33	8	2.9	2.8	7.5	1.9	IN ROADWAY
15+80	15+84	10	4	6.33	6	2.1	2.1	5.6	1.4	IN ROADWAY
					TOTAL:	234.8	149.0	421.2	26.7	
					ROUNDED TOTAL:	250	160	445	30	

ACM WATER MAIN AND VALVE REMOVAL TABLE

ITEM 210.3111 - REMOVAL AND DISPOSAL OF UNDERGROUND PIPE ACM (BV14)
ITEM 210.3211 - REMOVAL AND DISPOSAL OF SUSPENDED PIPE ACM (BV14)
ITEM 663.40 - DISCONNECT AND CAP EXISTING WATER MAIN
ITEM 663.42 - REMOVE AND DISPOSE OF EXISTING WATER VALVE BOX & VALVE BOX

FROM STATION	OFFSET	TO STATION	OFFSET	ITEM 210.3111 (LF)	ITEM 210.3211 (LF)	ITEM 663.40 (EA)	ITEM 663.42 (EA)
10+82	9.9 LT	12+43	22.2 LT	170		1	
10+82	16.0 RT	10+82	16.0 LT	10			
12+43	22.2 LT	13+47	21.8 LT		104		
13+47	21.8 LT	13+77	22.5 LT	30		1	
14+38	20.7 LT	14+38	20.7 LT			2	1
15+53	18.3 LT	15+78	17.8 LT	25		1	
15+82	17.8 LT	15+83	17.8 LT				
			TOTAL:	235	104	5	1
			ROUNDED TOTAL:	250	110	5	1

NOTE:
1. SEE WATER SERVICES TABLE ON THIS SHEET FOR EXISTING SERVICE LINE REMOVALS.

WATER MAIN RESTRAINT TABLE

ITEM 555.0021 - CONCRETE FOR STRUCTURES, PERFOMANCE
ITEM 663.2106 - WEDGE TYPE MECHANICAL RESTRAINT GLANDS, 6"
ITEM 663.2110 - WEDGE TYPE MECHANICAL RESTRAINT GLANDS, 10"

STATION	OFFSET	ITEM 555.0021 (CY)	ITEM 663.2106 (EA)	ITEM 663.2110 (EA)	CONNECTION TYPE
10+80	9.9 LT	0.3	1		CAP
10+82	16.0 RT	0.5	4		COUPLERS
10+82	16.0 RT			1	TEE/VALVE
12+15	16.0 RT			2	VALVE
12+30	16.0 RT			2	ELBOW
12+36	16.0 RT			2	ELBOW
13+44	16.0 RT			2	ELBOW
13+49	16.0 RT			2	ELBOW
13+74	16.0 RT			2	VALVE
14+65	16.0 RT			2	ELBOW
14+94	13.0 LT			2	ELBOW
15+60	13.0 LT		1	2	TEE/VALVE
15+80	13.0 LT		1	1	TEE/VALVE
15+80	16.0 LT		2		ELBOW
15+82	17.8 LT		2		ELBOW
15+84	13.0 LT	0.3	2	1	COUPLERS/CAP
TOTAL:		1.0	13	21	
ROUNDED TOTAL:		1	13	21	

IRON WATER MAIN FITTINGS TABLE

ITEM 663.2001 - IRON WATERMAIN FITTINGS (3" - 8")
ITEM 663.2002 - IRON WATERMAIN FITTINGS (10" - 16")

STATION	OFFSET	ITEM 663.2002 (LB)							
		6" CAP	6" SPOOL	6" 45 DEG. ELBOW	10"X10" TEE	10"X6" REDUCER	10"X6" TEE	10" CAP	10" 45 DEG. ELBOW
12+82	9.9 LT	19							
12+82	16.0 RT		98		120	94			
12+20	16.0 RT								140
13+49	16.0 RT								140
13+77	22.5 LT	19							
14+38	20.7 LT	38							
14+65	16.0 RT								70
14+94	13.0 LT								70
15+60	13.0 LT	19					90		
15+80	13.0 LT						90		
15+80	16.0 LT			32					
15+82	17.8 LT			32					
15+84	13.0 LT							36	
TOTAL:		257 LB			850 LB				
ROUNDED TOTAL:		260 LB			860 LB				

NOTES:
1. FITTING WEIGHTS BASED OFF C153 MECHANICAL JOINT DUCTILE IRON FITTINGS (COMPACT).
2. MJxMJ CONNECTIONS SHALL USE APPROPRIATE FOSTER ADAPTER FOR RESTRAINT. COST TO BE INCLUDED UNDER ITEM 663.2001 OR 663.2002.

HYDRANT TABLE

ITEM 663.1301 - HYDRANT

STATION	OFFSET	ITEM 663.1301 (EA)
15+60	24.0 LT	1
TOTAL:		1
ROUNDED TOTAL:		1

NOTE:
1. REFER TO OWNERS MATERIAL REQUIREMENTS FOR WATER MAINS/SERVICES AND APPURTENANCES ON DWG. UTN-01.

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UTILITY TABLES (2 OF 2)

UTT-02

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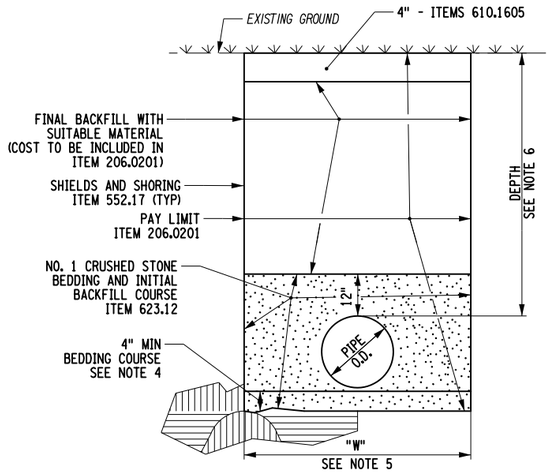
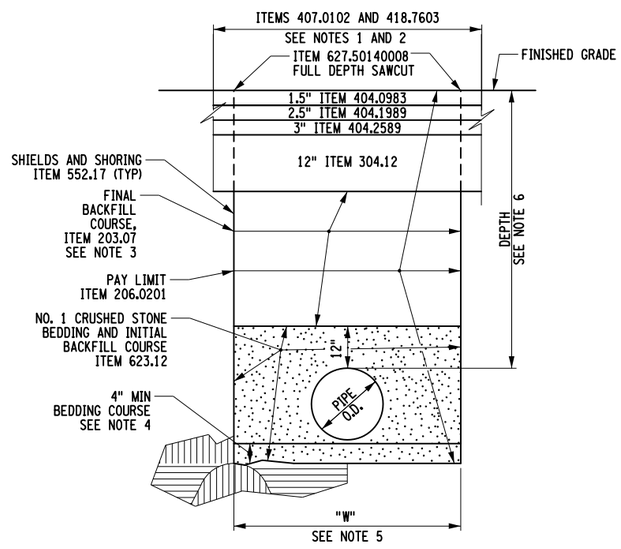
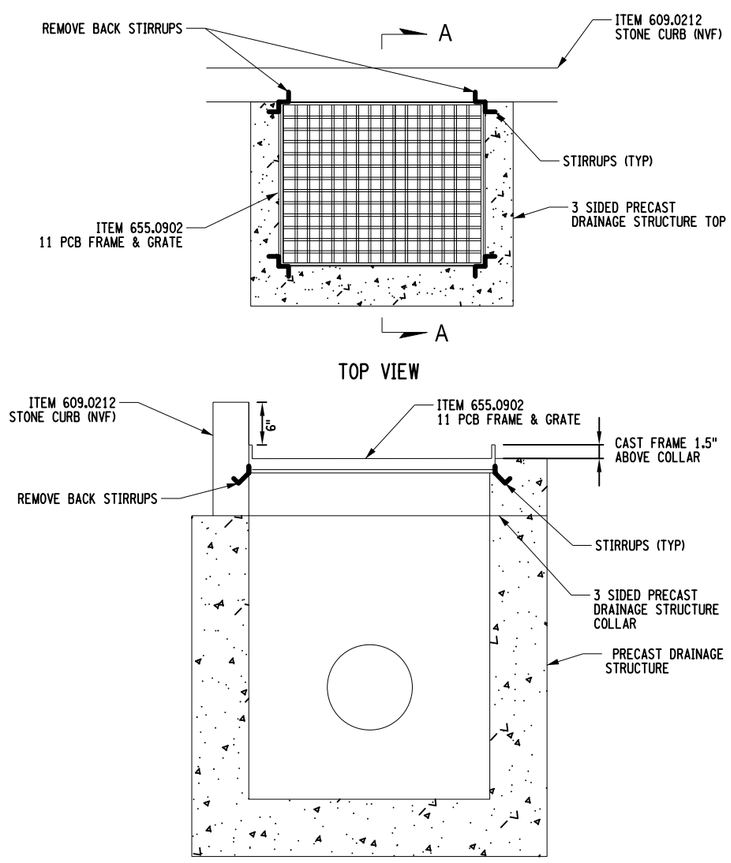


PLASTIC STORM PIPE TRENCH IN UNPAVED AREA
NOT TO SCALE



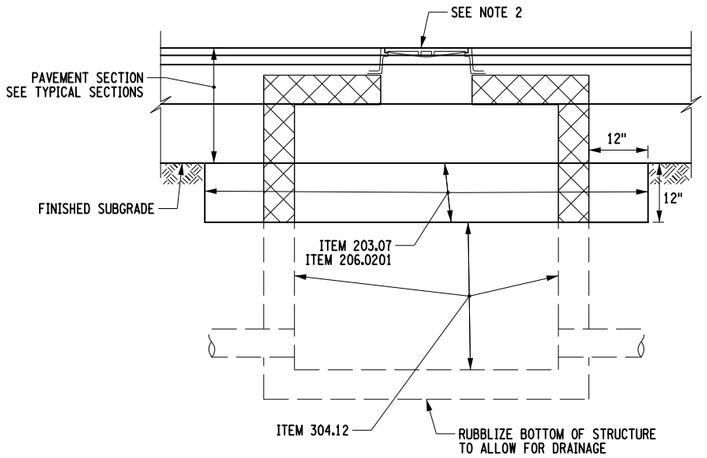
PLASTIC STORM PIPE TRENCH IN PAVED AREA
NOT TO SCALE



TYPE T DRAINAGE STRUCTURE TOP SLAB DETAIL
NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL ORDER THE COLLAR TO HAVE ONLY 3 SIDES WITH THE CURB SIDE BEING THE NON- CAST SIDE.
2. CONTRACTOR SHALL ORDER THE COLLAR SO THE FRAME PROTRUDES 1.5" ABOVE THE SLAB LEAVING ROOM FOR THE TOP COURSE PAVEMENT. THE TOP COLLAR SHALL BE AT LEAST 8" THICK ON ALL THREE SIDES.
3. CONTRACTOR SHALL REMOVE BACK SPURS IN ORDER TO PLACE GRANITE CURB TIGHT TO THE FRAME, PAYMENT SHALL BE INCLUDED UNDER ITEM 655.0902.



STRUCTURE TO BE ABANDONED
NOT TO SCALE

NOTES:

1. BACKFILL REMAINING STRUCTURE WITH ITEM 203.07 AND COMPACT ACCORDINGLY TO SPECIFICATIONS. BACKFILL REMAINING EXCAVATED AREA TO SUBGRADE WITH ITEM 203.07.
2. REMOVE AND DISPOSE OF EXISTING STRUCTURE AS SHOWN INCLUDING FRAME AND COVER/GRATE. COST SHALL BE INCLUDED UNDER ITEM 206.0201.

ITEM NO	DESCRIPTION	UNIT OF PAYMENT
203.07	SELECT GRANULAR FILL	CY
206.0201	TRENCH AND CULVERT EXCAVATION	CY
304.12	SUBBASE COURSE, TYPE 2	CY
404.0983	9.5 F3 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON
404.1989	19 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON
404.2589	25 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON
407.0102	DILUTED TACK COAT	GAL
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
552.17	SHIELDS AND SHORING	SF
610.1605	TURF ESTABLISHMENT PERFORMANCE	SY
623.12	CRUSHED STONE (IN-PLACE MEASURE)	CY
627.50140008	CUTTING PAVEMENT	LF

NOTES

1. ITEM 407.0102 - DILUTED TACK COAT SHALL BE USED ON MILLED SURFACES, AND BETWEEN ALL NEW ASPHALT COURSES.
2. ASPHALT PAVEMENT JOINT ADHESIVE (ITEM 418.7603) SHALL BE USED ON VERTICAL FACES FOR ALL JOINTS IN THE HMA TOP COURSE, INCLUDING CURBS AND DRAINAGE STRUCTURES.
3. THE CONTRACTOR AT HIS/HER OPTION MAY PROVIDE ONE GRANULAR MATERIAL TO BACKFILL THE TRENCH THAT MEETS THE REQUIREMENTS OF ITEMS 203.07 AND 304.12.
4. 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.
5. THE TRENCH WIDTH "W" FOR PLASTIC PIPE SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D2321 WHERE THE WIDTH "W" IS THE GREATER OF (O.D. + 16") OR (1.25•O.D. + 12") ROUNDED UP TO THE NEAREST 6", SEE TABLE THIS SHEET.
6. FOR DRAINAGE APPLICATIONS REFER TO DRAINAGE TABLE ON DWG. UTT-01 FOR INVERT ELEVATIONS.
7. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PREVENT SURFACE WATER, GROUND WATER, MUD AND FOREIGN MATERIAL FROM ENTERING THE STRUCTURE DURING ALTERATION.

TRENCH WIDTHS FOR PLASTIC PIPE (ASTM D2321)

NPS (IN)	"W" (FT)
12	3'-0"
15	3'-0"
18	3'-6"
24	4'-0"
30	5'-0"
36	5'-6"
42	6'-0"
48	7'-0"
60	8'-0"

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ONEIDA COUNTY NEW YORK 1798

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: E. JAWORSKI
DESIGNED BY: E. JAWORSKI
CHECKED BY: J. REINA

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UTILITY DETAILS (1 OF 3)

UTD-01

SHEET 28 OF 74

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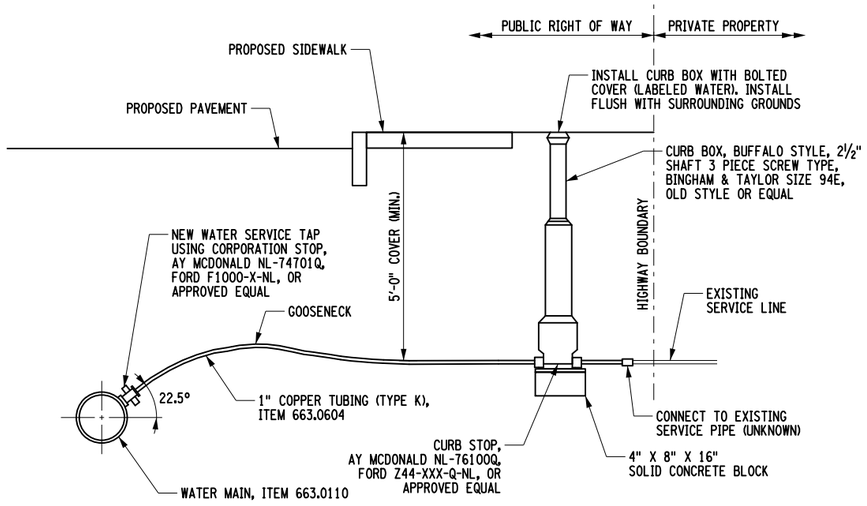


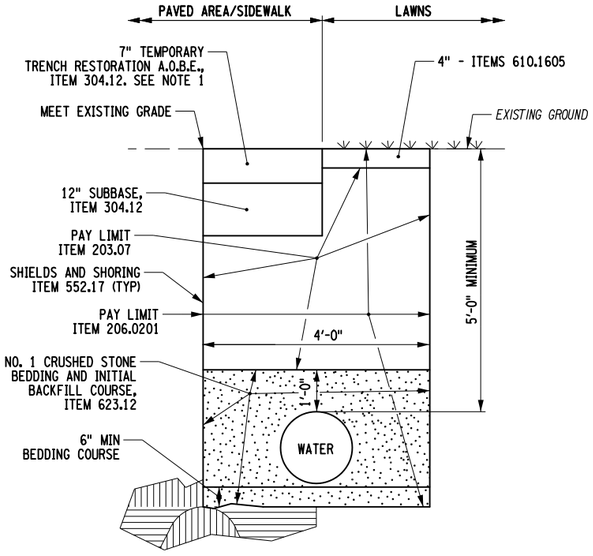
ITEM 663.2504

WATER SERVICE CONNECTION (2" AND SMALLER)

NOT TO SCALE

NOTES:

1. ITEM 663.2504 SHALL INCLUDE THE INSTALLATION OF EVERYTHING, EXCEPT WATER SERVICE PIPE, REQUIRED TO PROVIDE A CONNECTION FROM A MAIN TO A CUSTOMER AT THE HIGHWAY BOUNDARY, INCLUDING CORPORATION STOP, CURB STOP, CURB BOX, TAPPING SLEEVE OR SADDLE, IF REQUIRED, AND ALL NECESSARY FITTINGS.
2. WATER SERVICE TAPS ON A NEW OR EXISTING MAIN SHALL BE PLACED AT THE 2 O'CLOCK OR 10 O'CLOCK POSITION AND SHALL BE PLACED A MINIMUM OF 18" APART ALONG THE LENGTH OF THE MAIN.
3. ALL FITTINGS INCLUDING CORPORATION STOP, CURB STOP, COUPLINGS, ELBOWS, ETC. SHALL BE BRASS.
4. REFER TO WATER SERVICE NOTES ON DWG. UTN-01.

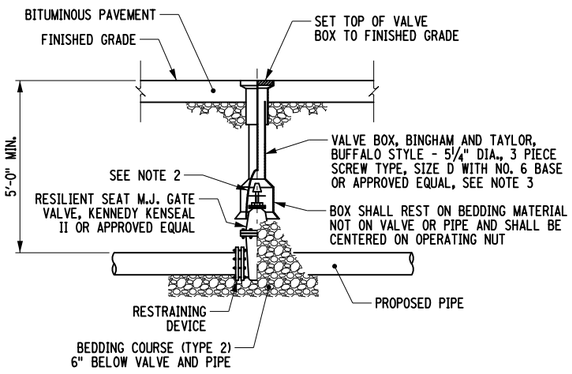


NEW OR RELOCATED WATER MAIN TRENCH DETAIL

NOT TO SCALE

NOTES:

1. SEE "FULL DEPTH PAVEMENT RECONSTRUCTION TERMINATION" ON DWG. NO. MSD-01 FOR PERMANENT PAVEMENT PLACEMENT.



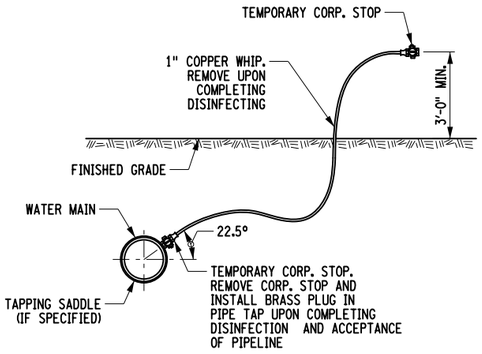
NOTES:

1. PVC EXTENSIONS SHALL NOT BE USED ON VALVE BOX INSTALLATION.
2. THE ACTUATING NUT FOR VALVES SHALL BE EXTENDED TO A MAXIMUM OF 30-INCHES BELOW FINISHED GRADE.
3. ADJUST VALVE BOX TO MID-RANGE TO ALLOW FOR FUTURE BOX ADJUSTMENTS.

ITEM 663.1010

TYPICAL VALVE AND VALVE BOX DETAIL

NOT TO SCALE



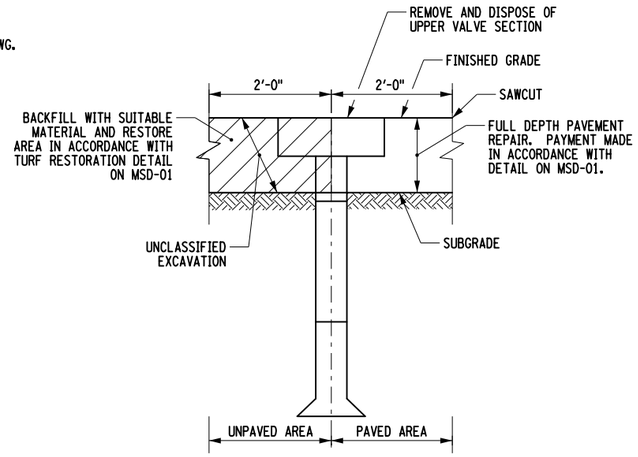
NOTE:

1. HYDROSTATIC PRESSURE TESTING AND DISINFECTION IN ACCORDANCE WITH THE NYSDOT 663 SPECIFICATION. SUBJECT TO APPROVAL BY THE TOWN OF TRENTON WATER DEPARTMENT SUPERINTENDENT, TAYLOR MILLS AT 315-939-0325.

ITEM 663.0110

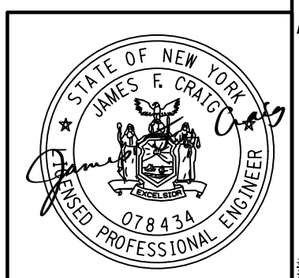
SAMPLING AND DISINFECTION TAP DETAIL

NOT TO SCALE



WATER VALVE REMOVAL/ABANDONMENT - ITEM 663.42

NOT TO SCALE



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ONEIDA COUNTY NEW YORK 1798

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

PIN 2754.67
BIN 2205960

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: D. BUSH
DESIGNED BY: D. BUSH
CHECKED BY: J. REINA

CIVIL

UTILITY DETAILS (2 OF 3)

UTD-02

SHEET 29 OF 74

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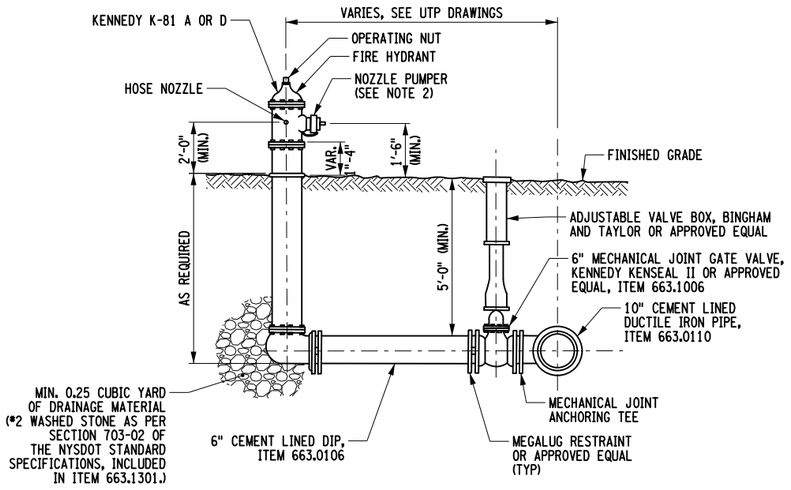
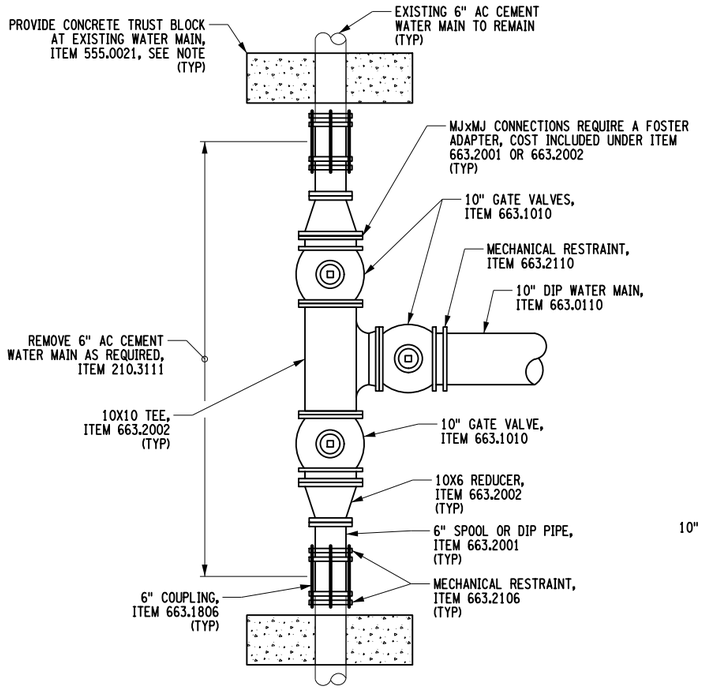


FIRE HYDRANT ASSEMBLY
ITEM 663.1301

NOT TO SCALE

HYDRANT NOTES:

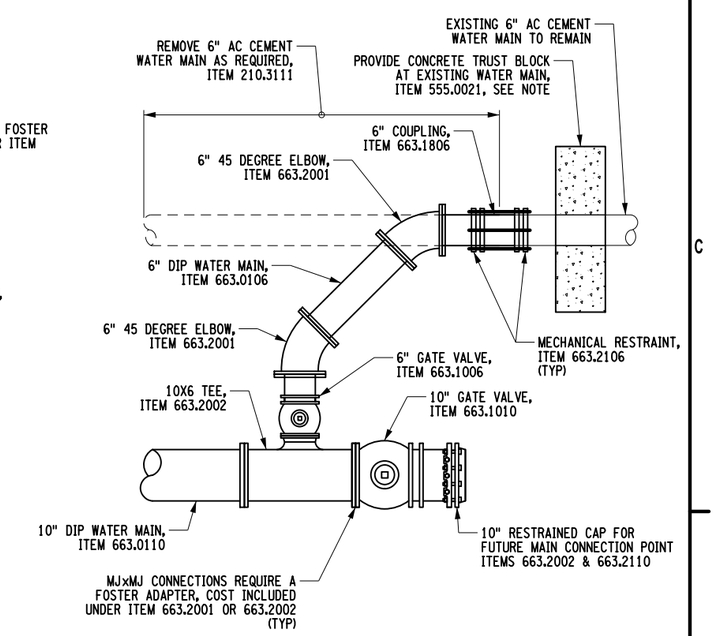
1. REFER TO DWG. UTP-02 FOR LOCATION.
2. ORIENT PUMPER NOZZLE PERPENDICULAR TO EDGE OF ROADWAY.
3. HYDRANTS SHALL BE UL LISTED, AND CONFORM TO AWWA STANDARD C-502.
4. HYDRANTS SHALL HAVE A "BREAK AWAY" TOP.



NOTE:
CONCRETE THRUST BLOCKS SHALL BE REQUIRED AS SHOWN IN THIS DETAIL (ITEM 555.0021). ALL OTHER THRUST RESTRAINTS SHOULD BE WEDGE TYPE MECHANICAL RESTRAINT GLANDS AND ARE TO BE PAID FOR UNDER ITEMS 663.2106 OR 663.2110. REFER TO NYSDOT SPEC. 663-02 & 663-03 FOR ADDITIONAL DETAILS.

WEST WATER MAIN CONNECTION DETAIL

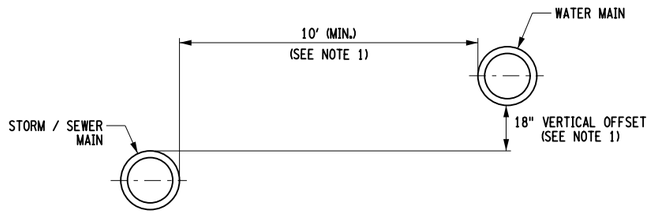
NOT TO SCALE



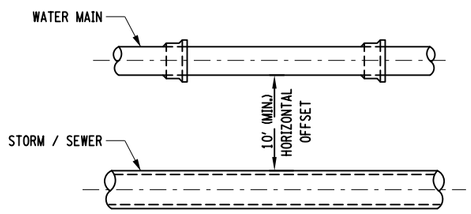
NOTE:
CONCRETE THRUST BLOCKS SHALL BE REQUIRED AS SHOWN IN THIS DETAIL (ITEM 555.0021). ALL OTHER THRUST RESTRAINTS SHOULD BE WEDGE TYPE MECHANICAL RESTRAINT GLANDS AND ARE TO BE PAID FOR UNDER ITEMS 663.2106 OR 663.2110. REFER TO NYSDOT SPEC. 663-02 & 663-03 FOR ADDITIONAL DETAILS.

EAST WATER MAIN CONNECTION DETAIL

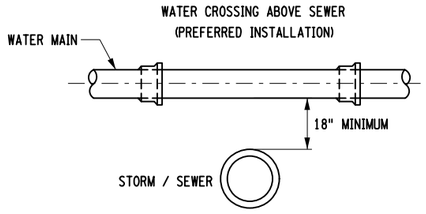
NOT TO SCALE



CROSS SECTION
STORM / SEWER MAIN / WATER MAIN
PARALLEL INSTALLATION



PLAN
STORM / SEWER MAIN / WATER MAIN
PARALLEL INSTALLATION



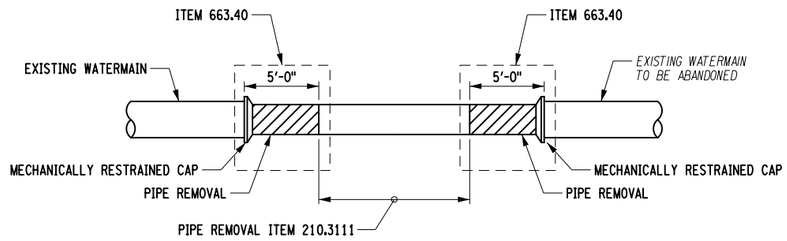
STORM / SEWER MAIN / WATER MAIN
VERTICAL CROSSING

STORM / SEWER MAIN / WATER MAIN SEPARATION

NOT TO SCALE

NOTE:

1. A 10 FT. MINIMUM HORIZONTAL DISTANCE SHALL BE MAINTAINED BETWEEN THE WATER MAIN AND ANY SEWER PIPE. AT LOCATIONS WHERE THE WATER MAIN AND SEWER PIPE CROSS EACH OTHER, A MINIMUM CLEAR DISTANCE OF 18" SHALL BE MAINTAINED. IF THESE DISTANCES CANNOT BE MET, THE WATER MAIN SHALL BE ENCASED WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM), ITEM 204.01.



DISCONNECT AND CAP EXISTING WATERMAIN

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BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK
TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD0440485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: D. BUSH
DESIGNED BY: D. BUSH
CHECKED BY: J. REINA

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UTILITY DETAILS (3 OF 3)

UTD-03
SHEET 30 OF 74

STATE OF NEW YORK
JAMES F. CRAIG
EXCELSIOR
078434
LICENSED PROFESSIONAL ENGINEER

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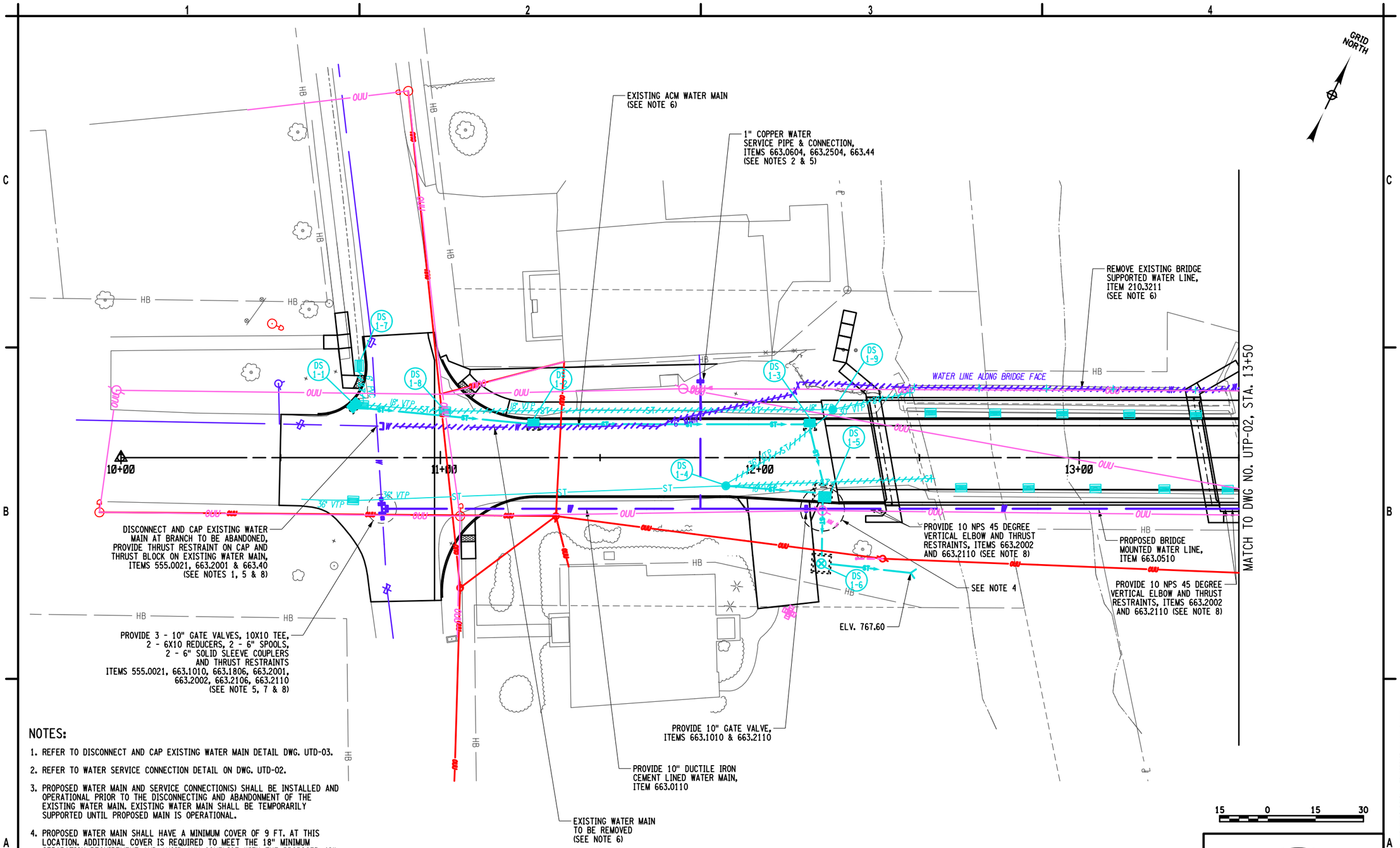

NOTES:

1. REFER TO DISCONNECT AND CAP EXISTING WATER MAIN DETAIL DWG. UTD-03.
2. REFER TO WATER SERVICE CONNECTION DETAIL ON DWG. UTD-02.
3. PROPOSED WATER MAIN AND SERVICE CONNECTION(S) SHALL BE INSTALLED AND OPERATIONAL PRIOR TO THE DISCONNECTING AND ABANDONMENT OF THE EXISTING WATER MAIN. EXISTING WATER MAIN SHALL BE TEMPORARILY SUPPORTED UNTIL PROPOSED MAIN IS OPERATIONAL.
4. PROPOSED WATER MAIN SHALL HAVE A MINIMUM COVER OF 9 FT. AT THIS LOCATION. ADDITIONAL COVER IS REQUIRED TO MEET THE 18" MINIMUM SEPARATION REQUIREMENT AND AVOID ANY CONFLICT WITH THE PROPOSED 42" DIAMETER STORM SEWER PIPE. CONTRACTOR TO VERIFY ELEVATIONS PRIOR TO INSTALLATION.
5. CONTRACTOR SHALL VERIFY THE SIZES OF EXISTING WATER MAIN AND SERVICE CONNECTION(S) PRIOR TO ORDERING ANY MATERIALS FOR THE WATER MAIN. COST TO BE INCLUDED UNDER TEST PIT EXCAVATION - ITEM 206.05.
6. REFER TO "ASBESTOS CONTAINING MATERIALS (ACM)" NOTES ON UTN-01 AND ACM WATER MAIN AND VALVE REMOVAL TABLE ON UTT-02 FOR ADDITIONAL REMOVAL AND ABANDONMENT INFORMATION.
7. REFER TO WEST WATER MAIN CONNECTION DETAIL ON DWG. UTD-03.
8. HORIZONTAL AND VERTICAL THRUST RESTRAINTS SHALL BE PROVIDED PER NYSDOT STANDARD SHEETS 663-02 & 663-03.

LEGEND:

ST REMOVAL OF EXISTING DRAINAGE PIPES, ITEM 206.0201

W REMOVAL/ABANDONMENT OF EXISTING WATERLINE, SEE NOTE 6

15 0 15 30

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REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

PIN 2754.67
BIN 2205960

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: B. CATALDO
CHECKED BY: J. REINA

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UTILITY PLAN (1 OF 2)

UTP-01

SHEET 31 OF 74

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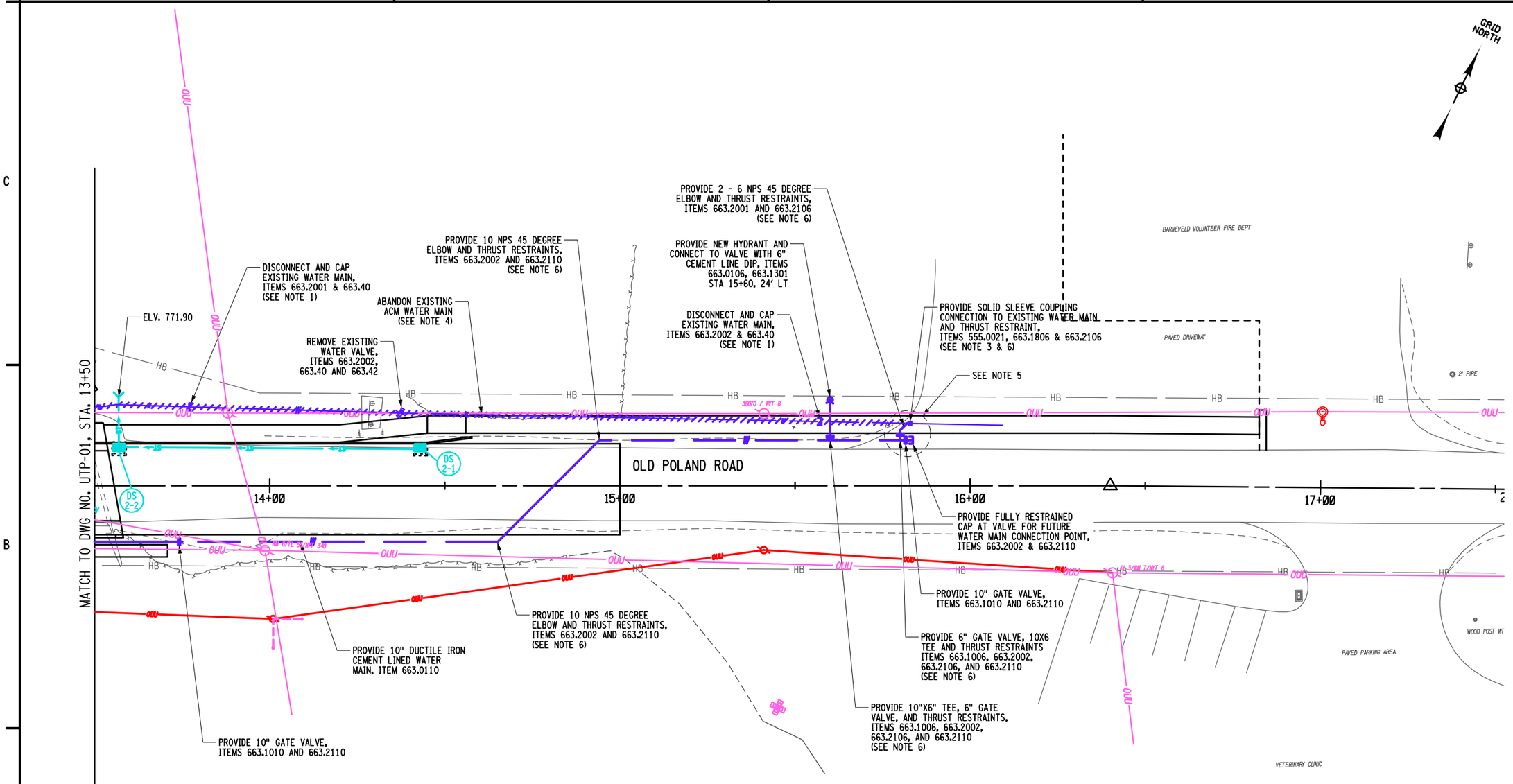

NOTES:

1. REFER TO DISCONNECT AND CAP EXISTING WATER MAIN DETAIL ON DWG. UTD-03.
2. PROPOSED WATER MAIN AND SERVICE CONNECTION(S) SHALL BE INSTALLED AND OPERATIONAL PRIOR TO THE DISCONNECTING AND ABANDONMENT OF THE EXISTING WATER MAIN. EXISTING WATER MAIN SHALL BE TEMPORARILY SUPPORTED UNTIL PROPOSED MAIN IS OPERATIONAL.
3. CONTRACTOR SHALL VERIFY THE SIZES OF EXISTING WATER MAIN AND SERVICE CONNECTION(S) PRIOR TO ORDERING ANY MATERIALS FOR THE WATER MAIN. COST TO BE INCLUDED UNDER TEST PIT EXCAVATION - ITEM 206.05.
4. REFER TO "ASBESTOS CONTAINING MATERIALS (ACM)" NOTES ON UTN-01 AND ACM WATER MAIN AND VALVE REMOVAL TABLE ON UTT-02 FOR ADDITIONAL REMOVAL AND ABANDONMENT INFORMATION.
5. REFER TO EAST WATER MAIN CONNECTION DETAIL ON DWG. UTD-03.
6. HORIZONTAL AND VERTICAL THRUST RESTRAINTS SHALL BE PROVIDED PER NYSDOT STANDARD SHEETS 663-02 & 663-03.

LEGEND:

- REMOVAL OF EXISTING DRAINAGE PIPES, ITEM 206.0201
- REMOVAL/ABANDONMENT OF EXISTING WATERLINE, SEE NOTE 4

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DESIGNED BY: B. CATALDO
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UTILITY PLAN (2 OF 2)

UTP-02

SHEET 32 OF 74

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ELECTRICAL SAFETY NOTE

HIGH VOLTAGE ELECTRICAL LINES ARE IN PROXIMITY TO THIS STRUCTURE, REFER TO THE ELECTRICAL SAFETY NOTE CONTAINED IN THE CONTRACT PROPOSAL FOR SPECIAL CONTRACTOR SAFETY REQUIREMENTS.

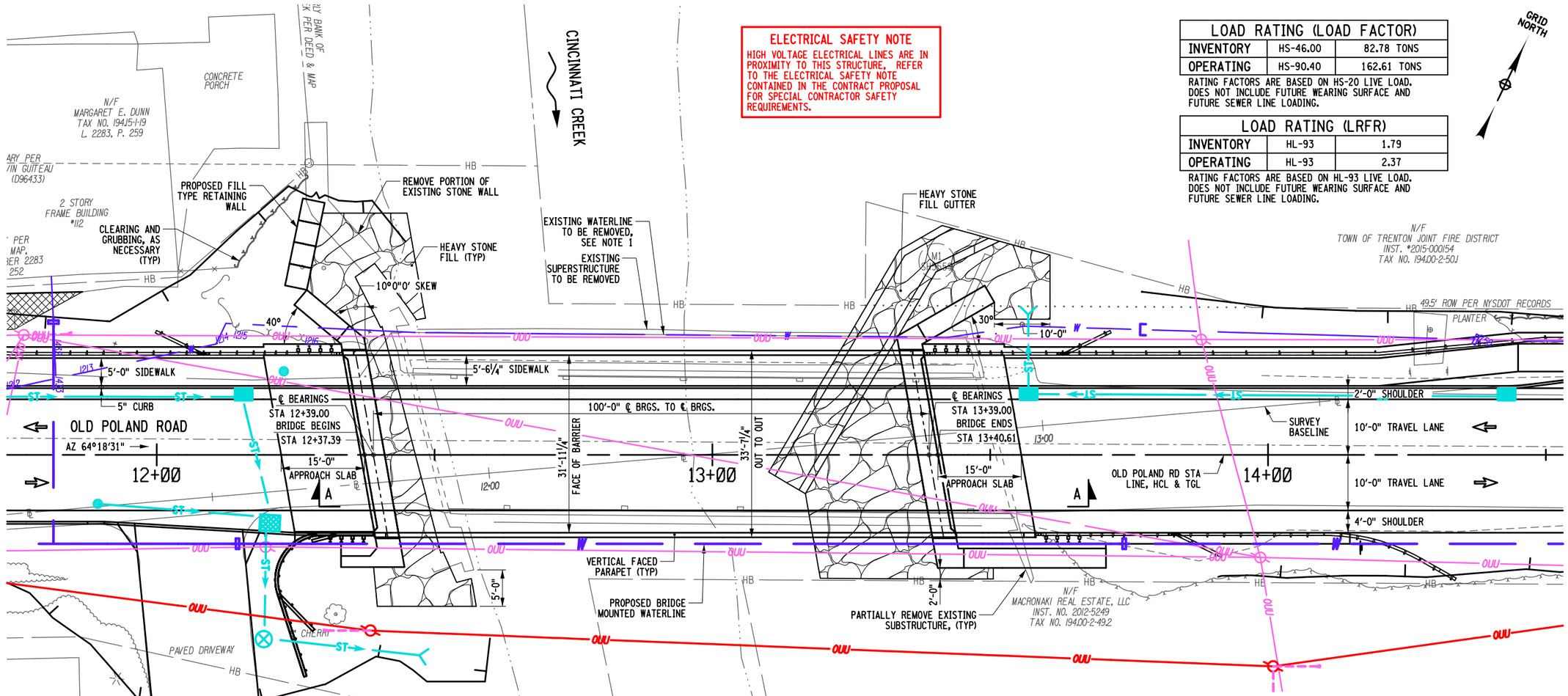
LOAD RATING (LOAD FACTOR)		
INVENTORY	HS-46.00	82.78 TONS
OPERATING	HS-90.40	162.61 TONS

RATING FACTORS ARE BASED ON HS-20 LIVE LOAD. DOES NOT INCLUDE FUTURE WEARING SURFACE AND FUTURE SEWER LINE LOADING.

LOAD RATING (LRFR)		
INVENTORY	HL-93	1.79
OPERATING	HL-93	2.37

RATING FACTORS ARE BASED ON HL-93 LIVE LOAD. DOES NOT INCLUDE FUTURE WEARING SURFACE AND FUTURE SEWER LINE LOADING.

GRID NORTH

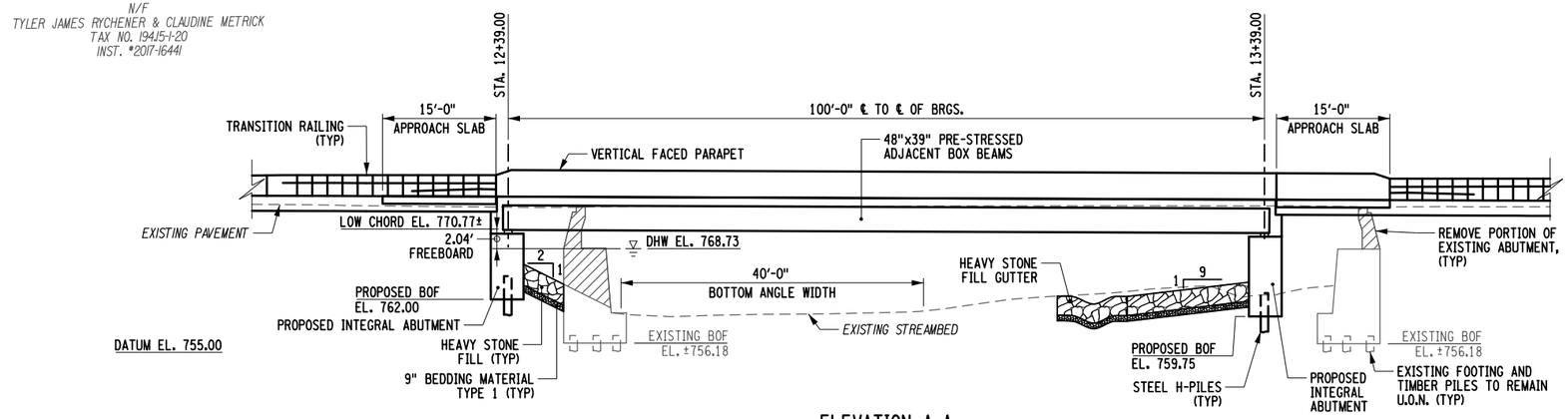


PLAN

NOTES:

1. SEE DWG. NO. UTP-01 AND UTP-02 FOR WATERLINE RELOCATION.

HYDRAULIC DATA				
DRAINAGE AREA = 44.5 SQ. MI.			BASE FLOOD	DESIGN FLOOD
RECURRENCY INTERVAL (YRS)			100	50
PEAK DISCHARGE (FT^3/S)			6,840	6,000
HIGHWATER ELEVATION AT POINT OF MAX BACKWATER (FT)		EXISTING	769.57	769.01
		PROPOSED	769.21	768.73
AVG. VELOCITY THRU STRUCTURE @ DESIGN FLOOD = ____ ft/s			9.47	8.91
SCOUR ANALYSIS	MINIMUM CHANNEL EL. 760.02 FT.			
	Q_{100} SCOUR DEPTH (FT.)	Q_{100} SCOUR EL. (FT.)	Q_{500} SCOUR DEPTH (FT.)	Q_{500} SCOUR EL. (FT.)
BEGIN ABUTMENT	17.93	742.09	17.71	742.31
PIER	N/A	N/A	N/A	N/A
END ABUTMENT	14.32	745.70	17.32	742.70
SCOUR DEPTH IS MEASURED FROM MINIMUM CHANNEL ELEVATION				



ELEVATION A-A

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DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STRUCTURAL

GENERAL PLAN AND ELEVATION

ST-01

SHEET 33 OF 74

STATE OF NEW YORK JAMES F. CRAIG LICENSED PROFESSIONAL ENGINEER 078434 EXCELSIOR

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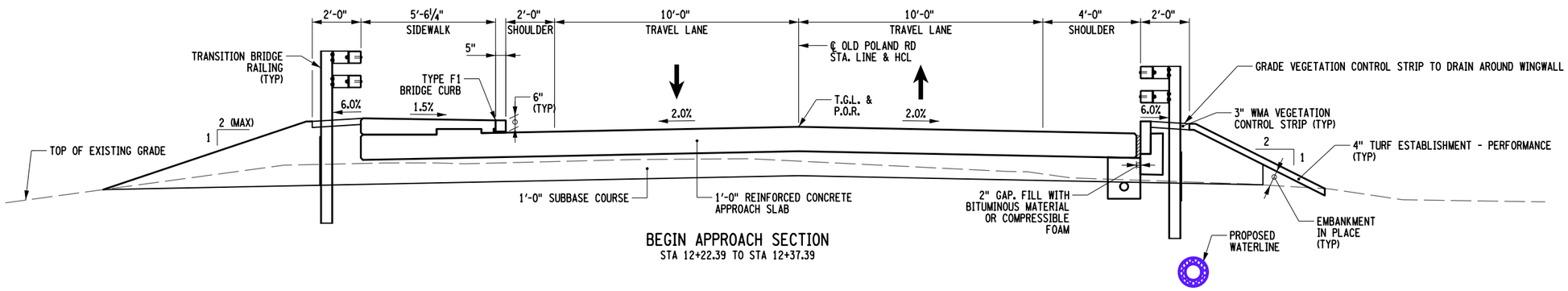
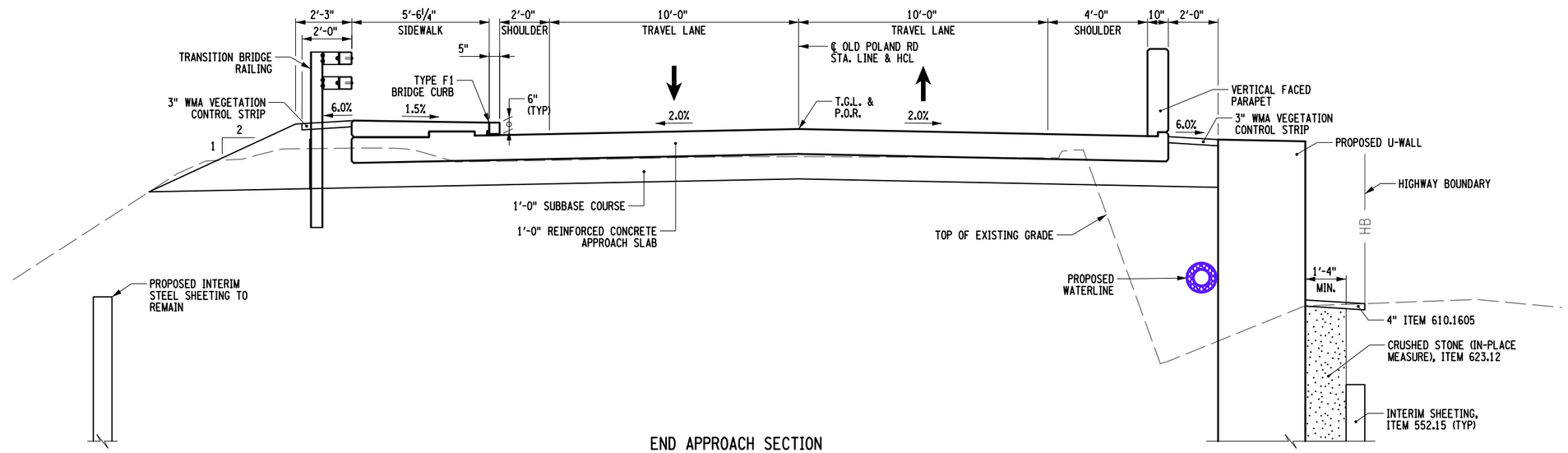
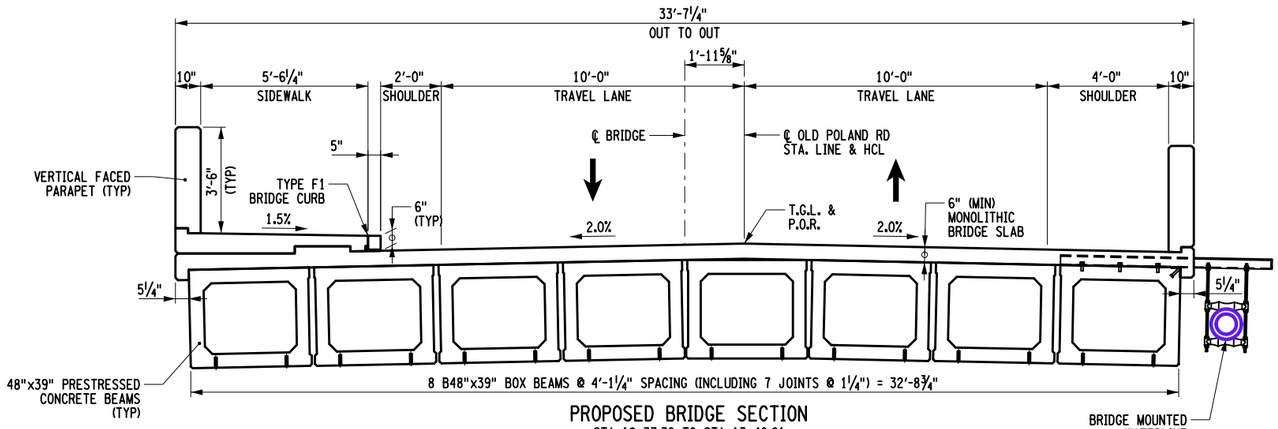


BEGIN APPROACH SECTION
STA 12+22.39 TO STA 12+37.39



END APPROACH SECTION
STA 13+40.61 TO STA 13+55.61



PROPOSED BRIDGE SECTION
STA 12+37.39 TO STA 13+40.61

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ONEIDA COUNTY NEW YORK 1798

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J.CRAIG

STRUCTURAL

TYPICAL SECTIONS

ST-02

SHEET 34 OF 74

STATE OF NEW YORK
JAMES F. CRAIG
EXCELSIOR
078434
LICENSED PROFESSIONAL ENGINEER

bcataldo
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GENERAL NOTES:

1. DESIGN SPECIFICATIONS: NYSDOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS OF JANUARY 2026 (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS: f'c = 4,000 psi.)

2. CONSTRUCTION SPECIFICATIONS: NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS WITH ALL PROVISIONS IN EFFECT AS OF JANUARY 2026.

3. LIVE LOAD: AASHTO HL-93.

4. THIS BRIDGE SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT EDITION OF THE AASHTO MAINTENANCE MANUAL FOR ROADWAYS AND BRIDGES.

5. HIGH VOLTAGE ELECTRICAL LINES ARE IN PROXIMITY TO THIS BRIDGE. REFER TO SUBSECTION 107-05 OF THE STANDARD SPECIFICATIONS FOR CONTRACTOR SAFETY REQUIREMENTS.

6. DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.

7. ALL SHOP DRAWINGS SUBMITTED FOR THIS PROJECT SHALL BE IN US CUSTOMARY UNITS.

8. SHOP DRAWING SUBMITTALS ARE REQUIRED FOR THE FOLLOWING BRIDGE RAILING AND/OR TRANSITION BRIDGE RAILING ITEMS:

   -ITEM 568.70 - TRANSITION BRIDGE RAILING

FOUNDATION NOTES:

1. EMBANKMENT IN PLACE, ITEM 203.03 AND SELECT STRUCTURE FILL, ITEM 203.21, SHALL BE PLACED SIMULTANEOUSLY, ON BOTH SIDES OF THE VERTICAL PAYMENT LINE.

2. THE COST OF WATER USED FOR COMPACTION OF THE SELECT STRUCTURAL FILL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203.21 - SELECT STRUCTURE FILL.

3. THE COST OF WATER USED FOR COMPACTION OF EMBANKMENT IN PLACE MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203.03 - EMBANKMENT IN PLACE.

SUBSTRUCTURE NOTES:

1. THE COST OF ALL JOINT MATERIAL AND WATERSTOPS AT CONCRETE CONSTRUCTION JOINTS, CONTRACTION AND EXPANSION JOINTS, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS CONCRETE ITEMS IN THE CONTRACT.

2. THE CONTRACTOR, WITH THE APPROVAL OF THE E.I.C., MAY ELECT TO INTRODUCE CONSTRUCTION JOINTS IN THE ABUTMENTS AND/OR WINGWALLS AT LOCATIONS NOT SHOWN IN THE PLANS. CONSTRUCTION JOINTS SHALL BE PROVIDED WITH SHEAR KEYS AND WATERSTOPS.

3. THE FOLLOWING CONCRETE ELEMENTS SHALL BE SEALED ACCORDING TO ITEM 559.02 - PROTECTIVE SEALING OF NEW STRUCTURAL CONCRETE:

   - EXPOSED FACES OF WINGWALLS
   - EXPOSED FACES OF ABUTMENT STEMS AND BACKWALLS

COFFERDAM AND HYDRAULIC NOTES:

1. SHOULD THE CONTRACTOR ELECT TO LAY BACK A PORTION OF THE EXISTING EARTH ADJACENT TO AN EXCAVATION REQUIRING A COFFERDAM, ANY REQUIRED EXTENSIONS OF THE COFFERDAM NECESSARY TO KEEP WATER FROM ENTERING THE EXCAVATION SHALL BE FURNISHED AND PLACED AT NO COST TO THE COUNTY.

2. WHERE A COFFERDAM IS USED, THE COST OF DEWATERING THE ENTIRE EXCAVATION, REGARDLESS OF THE SOURCE OF WATER, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE COFFERDAM ITEM.

3. SHOULD FIELD CONDITIONS REQUIRE A CHANGE FROM THE TYPE OF COFFERDAM SYSTEM CALLED FOR ON THE PLANS, THE ENGINEER IN CHARGE SHALL CONTACT THE ENGINEER FOR COORDINATION WITH APPROPRIATE AGENCIES TO APPROVE THE CHANGE.

4. DEWATER THE COFFERDAM BY PUMPING THE WATER TO AN APPROVED UPLAND VEGETATED AREA OUTSIDE OF THE STREAMBED AS APPROVED BY THE ENGINEER IN CHARGE. TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL, SUCH AS STRAW BALES OR APPROVED EQUAL, MAY BE REQUIRED AS DETERMINED BY THE ENGINEER IN CHARGE.

5. ORDINARY HIGH WATER IS ESTIMATED TO BE 761.90. THIS IS DEFINED AS THE WATER SURFACE ELEVATION FOR THE MEAN ANNUAL FLOOD, WHICH IS THE FLOOD THAT HAS A RECURRENCE INTERVAL OF 2.33 YEARS.

6. ORDINARY WATER IS ESTIMATED TO BE 760.60. THIS IS DEFINED AS THE HIGHEST SURFACE WATER ELEVATION LIKELY TO BE ENCOUNTERED DURING ONE CONSTRUCTION SEASON (OTHER THAN MAJOR FLOODS). IT IS ALWAYS LESS THAN THE ORDINARY HIGH WATER ELEVATION AND IT IS USUALLY AN OBSERVED ELEVATION RATHER THAN A COMPUTED ONE.

7. LOW WATER IS ESTIMATED TO BE 760.30. THIS WATER ELEVATION IS THE NORMAL LOW WATER ELEVATION PREVALENT DURING ONE CONSTRUCTION SEASON FOR MORE THAN 25% OF THE TIME. IT IS AN OBSERVED ELEVATION RATHER THAN A COMPUTED ONE.

SUBSURFACE INVESTIGATION NOTES:

1. SUBSURFACE EXPLORATIONS HAVE BEEN MADE FOR THIS PROJECT AT LOCATIONS INDICATED ON THE CONTRACT PLANS (LOCATIONS DENOTED BY (⊕) SYMBOL). REFER TO CONTRACT PROPOSAL BOOK FOR SOIL BORING LOGS.

2. THE SOIL AND ROCK DESCRIPTIONS SHOWN ARE AS DETERMINED BY A VISUAL INSPECTION OF THE SAMPLES FROM THE VARIOUS EXPLORATIONS UNLESS OTHERWISE NOTED. THE OBSERVED WATER LEVELS AND/OR WATER CONDITIONS INDICATED THEREON ARE AS RECORDED AT THE TIME OF EXPLORATION. THESE LEVELS AND/OR CONDITIONS MAY VARY CONSIDERABLY, WITH TIME, ACCORDING TO THE PREVAILING CLIMATE, RAINFALL AND OTHER FACTORS.

3. IT IS UNDERSTOOD THAT SUCH INFORMATION WAS OBTAINED AND IS INTENDED FOR COUNTY DESIGN AND ESTIMATE PURPOSES ONLY. IT IS MADE AVAILABLE TO BIDDERS (IN GOOD FAITH) ONLY SO THAT THEY MAY HAVE ACCCESS TO IDENTICAL SUBSURFACE INFORMATION AVAILABLE TO THE COUNTY.

4. THE CONTRACTOR'S ATTENTION, HOWEVER, IS CALLED TO THE FACT THAT THE INFORMATION OBTAINED FROM THE SUBSURFACE EXPLORATIONS FURNISHED BY THE COUNTY IS NOT TO BE INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATIONS, RESEARCH, INTERPRETATIONS AND JUDGEMENT OF THE CONTRACTOR AS REQUIRED.

5. IN THE EVENT THAT SUBSURFACE CONDITIONS VARY FROM THOSE SHOWN BY THE EXPLORATIONS, THE CONTRACTOR WILL STILL BE REQUIRED TO ESTABLISH THE FOUNDATIONS TO THE NECESSARY LOAD CARRYING CAPACITIES AS DIRECTED BY THE ENGINEER.

6. IT WILL BE THE CONTRACTOR'S OBLIGATION AND RESPONSIBILITY TO USE METHODS AND EQUIPMENT WHICH WILL ENSURE THE SATISFACTORY COMPLETION OF THE REQUIRED WORK WITHOUT DELAY.

REMOVAL NOTES:

1. EXISTING SUBSTRUCTURE SHALL BE REMOVED WITHIN THE LIMITS SHOWN ON THE PLANS UNDER ITEM 202.19 - REMOVAL OF SUBSTRUCTURES.

2. EXISTING SUPERSTRUCTURE SHALL BE REMOVED UNDER ITEM 202.120001 - REMOVING EXISTING SUPERSTRUCTURES.

3. SUPERSTRUCTURE REMOVAL SHALL MEET THE PROVISIONS OF 202-3.01 - GENERAL AND SAFETY REQUIREMENTS, OF THE NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS. A REMOVAL PLAN, SEALED BY A PROFESSIONAL ENGINEER, SHALL BE SUBMITTED TO THE ENGINEER THIRTY (30) DAYS PRIOR TO BEGINNING THE DEMOLITION. A THIRD-PARTY REVIEW IS NOT REQUIRED.

4. RECORD PLANS FOR THIS STRUCTURE ARE PROVIDED IN THE BID PROPOSAL BOOK.

5. LIMITS AND METHODS FOR THE REMOVAL OF PAINT AT LOCATIONS OF FASTENER REMOVAL OR FLAME CUTTING SHALL MEET THE PROVISONS OF 202-3.01 GENERAL, OF THE NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS. THE COST OF PAINT REMOVAL SHALL BE INCLUDED IN THE UNIT PRICEBID FOR THE SUPERSTRUCTURE REMOVAL ITEM(S) (OR THE UNIT PRICE BID FOR THE SUBSTRUCTURE REMOVAL ITEM). PAINT WASTE NOT COLLECTED BY VACUUM METHODS SHALL BE COLLECTED USING THE ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION ITEM(S). WASTE SHALL BE DISPOSED OF USING THE TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE ITEM.

6. LOOSE AND/OR PEELING PAINT ON STEEL SURFACES MAY BECOME DISLODGED DURING REMOVAL OPERATIONS OR DURING TRANSPORTATION FROM THE SITE UNLESS APPROPRIATE MEASURES ARE TAKEN. THE CONTRACTOR SHALL FORMULATE AND SUBMIT A METHOD OF REMEDIATING THE CONDITION FOR APPROVAL BY THE ENGINEER. WORKER LEAD PROTECTION IN ACCORDANCE WITH 29 CFR 1926.62 SHALL BE SATISFIED. REMEDIATION METHODS COULD INCLUDE TRANSPORTING AFFECTED MEMBERS IN CLOSED TRUCKS, WRAPPING AFFECTED MEMBERS PRIOR TO REMOVAL, ENCAPSULATING THE LOOSE PAINT OR REMOVAL OF LOOSE PAINT PRIOR TO DISMANTLING OPERATIONS. THE COST OF REMEDIATING THIS CONDITION SHALL BE INCLUDED IN THE LUMP SUM PRICE(S) BID FOR THE SUPERSTRUCTURE REMOVAL ITEM(S) (OR THE UNIT PRICE BID FOR THE SUBSTRUCTURE REMOVAL ITEM.) THE USE OF ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION ITEMS WILL BE REQUIRED. DEPENDING ON THE ALTERNATIVE CHOSEN, THE TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE ITEM MAY BE REQUIRED. BECAUSE OF THE ABOVE-MENTIONED CONDITION, THE CONTRACTOR SHALL EXAMINE THE CONDITION OF THE STRUCTURE'S PAINT PRIOR TO SUBMITTING A BID.

RECONSTRUCTION NOTES:

1. DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.

2. 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 COUNTY, 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 COUNTY, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

3. WHEN 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 PRICE BID FOR THOSE ITEMS.

4. DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT DROP WASTE CONCRETE, DEBRIS, AND OTHER MATERIAL TO THE AREA BELOW THE BRIDGE EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE STOPPED UNTIL ADEQUATE PROTECTION IS PROVIDED.

5. ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE COUNTY.

6. THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICE BID USING THE APPROPRIATE ITEMS IN THE CONTRACT.

7. IF THE STRUCTURE HAS A BRIDGE INDENTIFICATION NUMBER (B.I.N.) PLATE ATTACHED, THE CONTRACTOR SHALL PROTECT IT DURING CONSTRUCTION OR REMOVE AND REMOUNT IT AFTER CONSTRUCTION IS COMPLETED.

SUPERSTRUCTURE NOTES:

1. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A709, GRADE 50.

2. FOR THE VARIOUS LUMP SUM STRUCTURAL STEEL ITEMS IN THE CONTRACT, THE "ESTIMATE OF TOTAL WEIGHT" IS AS FOLLOWS:

ITEM	ESTIMATE OF TOTAL WEIGHT
564.0501	1,921 POUNDS

   THE "ESTIMATE OF TOTAL WEIGHT" SHALL BE USED TO DOCUMENT THE ENGINEER'S ESTIMATED AMOUNT OF STRUCTURAL STEEL REQUIRED FOR THE CONTRACT. UNDER NO CIRCUMSTANCES SHALL THESE WEIGHTS BE USED FOR FINAL PAYMENT PURPOSES. THE CONTRACTOR IS ADVISED NOT TO USE THESE WEIGHTS AS A BIDDING TOOL. DISCREPANCIES BETWEEN THE TOTAL WEIGHT SHIPPED AND THE "ESTIMATE OF TOTAL WEIGHT" SHALL NOT BE A BASIS FOR ADDITIONAL COMPENSATION.

3. DIMENSIONS FOR THICKNESSES OF STEEL ROLLED ANGLE SHAPES AND STRUCTURAL TUBING ARE SHOWN ACCORDING TO THE AISC MANUAL.

GALVANIZING NOTES:

1. ALL STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED. THE HOT-DIP GALVANIZING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 564.20010008 - HOT-DIP GALVANIZING OF STRUCTURAL STEEL.

2. REASONABLE ACCOMMODATIONS FOR THE PREVENTION OF WET STORAGE STAINING (WHITE RUST) OF HOT-DIP GALVANIZED (HDG) MATERIALS SHALL BE PROVIDED AT ALL TIMES. STORAGE OF HDG MATERIALS OUTDOORS SHOULD BE AVOIDED. STORAGE (OR SHIPPING) OF HDG MATERIALS IN CONTACT WITH ONE ANOTHER SHALL BE AVOIDED. IF OUTDOOR STORAGE IS UNAVOIDABLE, EXAMPLES OF REASONABLE ACCOMMODATIONS ARE AS FOLLOWS: STORE MATERIALS OFF OF THE GROUND AWAY FROM ALL VEGETATION, USE NON-RESINOUS WOODEN SPACERS TO ALLOW VENTILATION AND AVOID MOISTURE BUILD UP, INCLINE MEMBERS TO ALLOW DRAINAGE. EXAMPLES OF NON-RESINOUS WOODS ARE: POPLAR, ASH AND SPRUCE. WHITE RUST THAT IS DETERMINED TO BE DETRIMENTAL TO THE INTENDED USE OF THE MEMBER OR HAVE A NEGATIVE VISUAL IMPACT ON THE STRUCTURE SHALL BE REPAIRED IN ACCORDANCE WITH THE NYS STEEL CONSTRUCTION MANUAL. WHITE RUST THAT IS DETERMINED TO BE CAUSED BY IMPROPER STORAGE OR SHIPPING OF HDG MATERIALS SHALL BE REPAIRED AT NO COST TO THE COUNTY.

3. ALL BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.

4. DRILLED HOLES SHALL BE CLEANED OF ALL EXCESS MATERIAL THAT PREVENTS THE PROPER INSTALLATION OF THE BOLTS.

PRESTRESSED CONCRETE BEAM NOTES:

1. TO REDUCE THE TENDENCY FOR BEAM ENDS TO CRACK, THE CONTRACTOR MAY PROPOSE DEBONDING OF PRETENSIONING STRANDS FOR A MAXIMUM OF 6 INCHES FROM ENDS OF BEAMS. TOTAL NUMBER OF DEBONDED STANDS (DESIGN DEBONDING AND CRACK CONTROL DEBONDING COMBINED) SHALL NOT EXCEED 50% OF TOTAL NUMBER OF STRANDS.

SUPERSTRUCTURE SLAB NOTES:

1. THE DETAILS FOR THE BARRIER REINFORCEMENT ARE FOR THE SLIP-FORMED OR CAST-IN-PLACE OPTION ONLY. COST OF BARRIER AND ANCHORAGE REINFORCEMENT ORIGINATING IN THE SLAB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BARRIER ITEM. COST OF BARRIER ANCHORAGE REINFORCEMENT ORIGINATING IN THE PRESTRESSED UNIT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PRESTRESSED ITEM.

2. TOP SURFACES OF NEW BRIDGE DECKS AND APPROACH SLABS SHALL BE SEALED IN ACCORDANCE WITH ITEM 559.01 - PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE, DECKS AND BRIDGE DECK OVERLAYS.

3. TOP SURFACES OF NEW SIDEWALKS AND EXPOSED SURFACES OF NEW CONCRETE PARAPETS OR BARRIERS SHALL BE SEALED IN ACCORDANCE WITH ITEM 559.02 - PROTECTIVE SEALING OF STRUCTURAL CONCRETE. ONLY PENETRATING TYPE SEALERS SHALL BE USED.

4. CARE SHALL BE TAKEN TO PREVENT CONTAMINATION OF THE WATERWAY BY THE SEALER. IF THE MANUFACTURER'S INSTRUCTIONS REQUIRE MIXING OF THE SEALER PRIOR TO APPLICATION, MIXING SHALL OCCUR IN A MANNER THAT WILL PREVENT CONTAMINATION OF THE WATERWAY. THE CONTRACTOR SHALL HAVE AVAILABLE FOR IMMEDIATE USE MATERIALS TO SOAK UP OR CONTAIN ANY ACCIDENTAL SPILLS. PRIOR TO THE APPLICATION OF THE SEALER, ANY OPENINGS IN THE SURFACE OF THE BRIDGE DECK OR IN THE WALKING SURFACE, SUCH AS SCUPPERS OR OPEN DRAINS SHALL BE COVERED TO PREVENT CONTAMINATION OF THE WATERWAY. CARE SHALL BE TAKEN TO PREVENT SPRAYED SEALER FROM ENTERING THE WATERWAY BY ROLLING THE SEALER OR BY PHYSICALLY ISOLATING THE AREA TO BE SPRAYED FROM THE WATERWAY BY THE USE OF TARPS OR OTHER BARRIER-TYPE MEANS TO THE SATISFACTION OF THE EIC.

HAZARDOUS MATERIALS NOTES

1. MATERIALS CONTAINING ASBESTOS ARE BELIEVED TO EXIST AT VARIOUS LOCATIONS ON OR IN THE STRUCTURE(S) CONTAINED IN THIS CONTRACT. THESE MATERIALS WERE NOTED ON THE ORIGINAL CONTRACT PLANS OF THE STRUCTURE(S) AND/OR ENCOUNTERED DURING FIELD INSPECTIONS. ALL KNOWN ASBESTOS CONTAINING MATERIALS HAVE BEEN INDICATED IN THE CONTRACT DOCUMENTS.

2. REFER TO THE HAZARDOUS MATERIALS SPECIAL NOTE OF THE PROPOSAL BOOK.

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ONEIDA COUNTY NEW YORK 1798

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
		REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STRUCTURAL

GENERAL NOTES

ST-03
SHEET 35 OF 74

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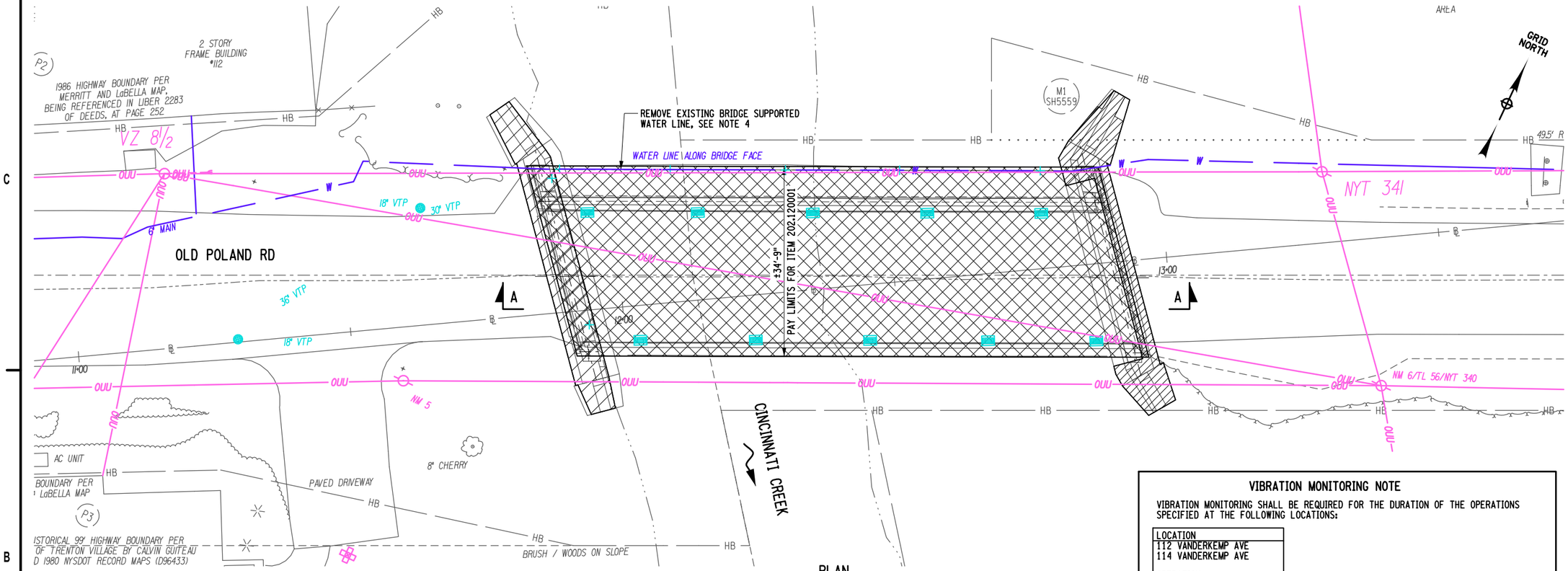


VIBRATION MONITORING NOTE

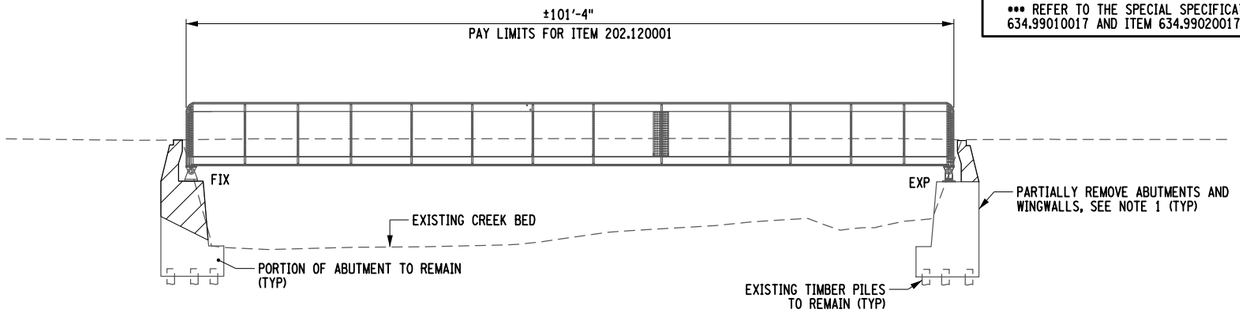
VIBRATION MONITORING SHALL BE REQUIRED FOR THE DURATION OF THE OPERATIONS SPECIFIED AT THE FOLLOWING LOCATIONS:

LOCATION
112 VANDERKEMP AVE
114 VANDERKEMP AVE
OPERATION
SUPERSTRUCTURE REMOVAL
WEST ABUTMENT REMOVAL
WEST APPROACH COMPACTION

IF DURING THE SPECIFIED OPERATIONS THE MEASURED VELOCITIES EXCEED THE MAXIMUM ALLOWABLE PEAK PARTICLE VELOCITY ESTABLISHED, THE CONTRACTOR SHALL STOP OPERATIONS IMMEDIATELY AND REVISE EQUIPMENT AND PROCEDURES TO REDUCE VIBRATIONS TO THE ALLOWABLE LEVELS.

IF THE POST-OPERATION BUILDING CONDITION SURVEY REPORTS DAMAGE TO THE BUILDING, THE CONTRACTOR SHALL SUBMIT A REPAIR PROCEDURE, INCLUDING COSTS, TO THE ENGINEER.

••• REFER TO THE SPECIAL SPECIFICATIONS SECTION FOR FURTHER INFORMATION ON ITEM 634.99010017 AND ITEM 634.99020017. •••



ELEVATION A-A

LEGEND

- REMOVE EXISTING SUPERSTRUCTURES, ITEM 202.120001
- REMOVAL OF SUBSTRUCTURES, ITEM 202.19

NOTES:

1. SEE DWG. NO. ST-06 TO ST-07 FOR EXISTING SUBSTRUCTURE REMOVAL DETAILS.
2. REMOVE & DISPOSE OF SIDEWALK, DECK, BRIDGE RAILING, BEARINGS, FLOOR BEAMS, STRINGERS, AND SIDEWALK BRACKETS UNDER ITEM 202.120001.
3. ENVIRONMENTAL PROTECTION TO COLLECT AND REMOVE OLD PAINT CHIPS, CORROSION RESIDUES, AND FOR CLEANING OPERATION SHALL BE PAID FOR UNDER THE FOLLOWING ITEMS:

   ITEM 570.01 - LEAD EXPOSURE CONTROL PLAN
   ITEM 570.02 - MEDICAL TESTING
   ITEM 570.03 - PERSONAL EXPOSURE MONITORING SAMPLE ANALYSIS
   ITEM 570.04 - DECONTAMINATION FACILITIES
   ITEM 570.090001 - ENVIRONMENTAL GROUND PROTECTION
   ITEM 570.100001 - ENVIRONMENTAL WATERWAY PROTECTION
   ITEM 571.03 - DISPOSAL OF HAZARDOUS PAINT REMOVAL WASTE CONTAINING LEAD

4. SEE DWG. NO. ST-05 FOR SUPERSTRUCTURE REMOVAL DETAILS.

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ONEIDA COUNTY NEW YORK 1798

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REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STRUCTURAL

BRIDGE REMOVAL PLAN

STATE OF NEW YORK
JAMES F. CRAIG
EXCELSIOR
078434
LICENSED PROFESSIONAL ENGINEER

ST-04

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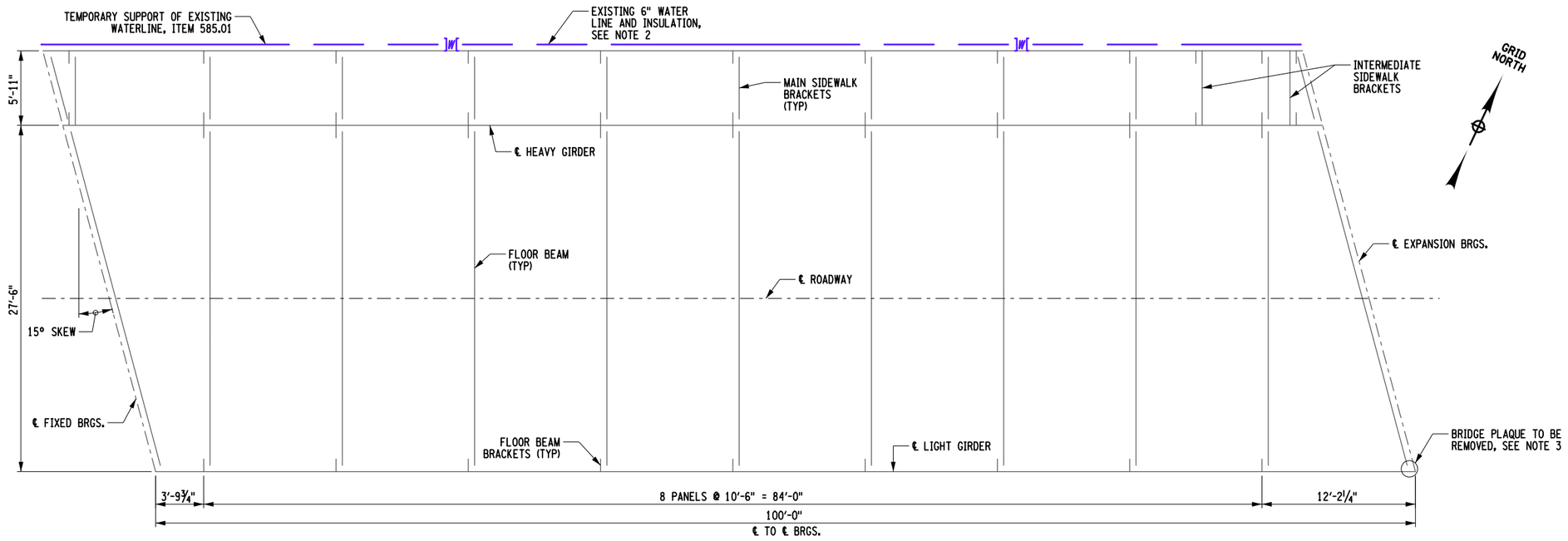


EXISTING FRAMING PLAN

LEAD NOTE

THE EXISTING RED PAINT ON THE STEEL BRIDGE BEAMS AND THE GRAY PAINT ON THE GUIDERAILS CONTAIN LEAD. APPROPRIATE OSHA SAFE WORK PRACTICES SHALL BE UTILIZED DURING CONSTRUCTION FOR WORKER PROTECTION. COST TO BE INCLUDED UNDER ITEM 202.120001.

NOTES:

1. REMOVE & DISPOSE OF SIDEWALK, DECK, BRIDGE RAILING, BEARINGS, FLOOR BEAMS, STRINGERS, AND SIDEWALK BRACKETS UNDER ITEM 202.120001.
2. EXISTING WATERLINE SHALL REMAIN IN SERVICE UNTIL NEW WATERLINE IS CONNECTED AND OPERATIONAL. SEE STRUCTURAL LIFTING NOTES, THIS SHEET.
3. BRIDGE PLAQUE TO BE REMOVED AND STORED, ITEM 202.120001. BRIDGE PLAQUE TO BE PICKED UP BY TOWN OF TRENTON DPW.

ASBESTOS, LEAD AND CYANIDE PAINT NOTES:

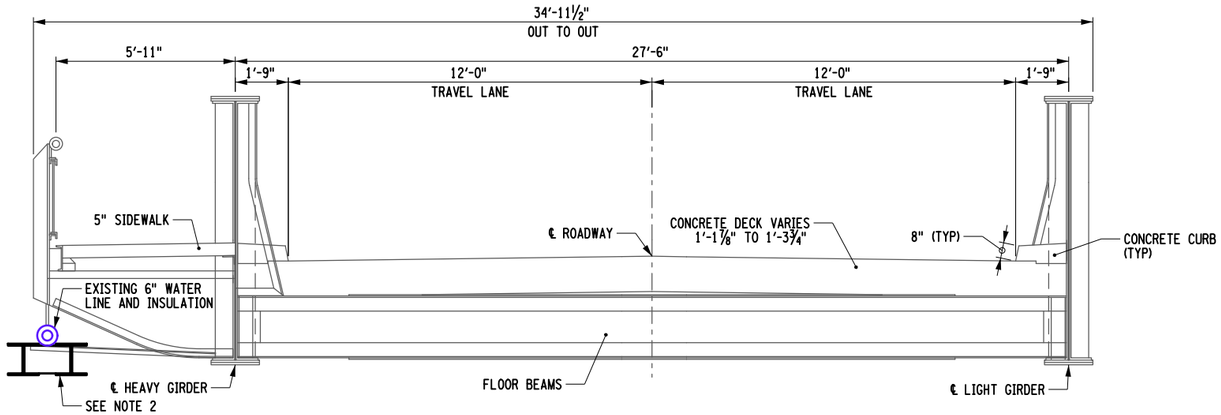
1. THERE ARE ASBESTOS CONTAINING MATERIALS (ACMs) ON THE EXISTING STRUCTURE. ACM IS PRESENT IN THE BLACK PIPE TSI JACKET AROUND THE EXISTING WATER LINE. THE REMOVAL SHALL BE PAID FOR UNDER:

   ITEM 210.3211 - REMOVAL AND DISPOSAL OF SUSPENDED PIPE ACM (BV 14)

2. THERE IS LEAD PAINT ON THE EXISTING STEEL BEAMS AND GUIDE RAIL. THE REMOVAL AND DISPOSAL SHALL BE PAID FOR UNDER:

   ITEM 570.01 LEAD EXPOSURE PLAN
   ITEM 570.02 MEDICAL TESTING
   ITEM 570.03 PERSONAL EXPOSURE MONITORING SAMPLE ANALYSIS
   ITEM 570.04 DECONTAMINATION FACILITIES
   ITEM 570.090001 ENVIRONMENTAL GROUND PROTECTION
   ITEM 570.100001 ENVIRONMENTAL WATERWAY PROTECTION
   ITEM 571.03 DISPOSAL OF HAZARDOUS PAINT WASTE CONTAINING LEAD

3. THERE IS CYANIDE PRESENT IN THE PAINT ON THE EXISTING STEEL BEAMS AND GUIDERAIL. APPLICABLE AND APPROPRIATE SAFETY MEASURES AND CARE SHALL BE TAKEN DURING CUTTING AND HANDLING OF MATERIALS CONTAINING CYANIDE.



EXISTING BRIDGE TYPICAL SECTION

STRUCTURAL LIFTING NOTES:

1. THE CONTRACTOR SHALL HAVE THE EXISTING WATERLINE STRUCTURALLY LIFTED/SUPPORTED PRIOR TO THE REMOVAL OF ANY CONCRETE OR SUPERSTRUCTURE MEMBERS.
2. THE ASSUMED UNFACTORED LOAD DOES NOT INCLUDE CONNECTION HARDWARE.
3. CONTRACTOR SHALL PROTECT THE EXISTING WATERLINE DURING LIFTING OPERATIONS AND SUBSEQUENT CONSTRUCTION OPERATIONS. ANY DAMAGE SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.
4. MAXIMUM UNSUPPORTED PIPE LENGTH SHALL BE 8'-0".
5. PAY FOR ENTIRE TEMPORARY SUPPORT SYSTEM UNDER ITEM 585.01.
6. REFER TO ASBESTOS NOTES, THIS SHEET.

STRUCTURAL LIFTING OPERATIONS - TYPE A (ITEM 585.01)	
	DEAD LOAD (LBS/FT)
EXISTING WATERLINE	65

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ONEIDA COUNTY 1798 NEW YORK

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STRUCTURAL

SUPERSTRUCTURE REMOVAL DETAILS

ST-05

SHEET 37 OF 74

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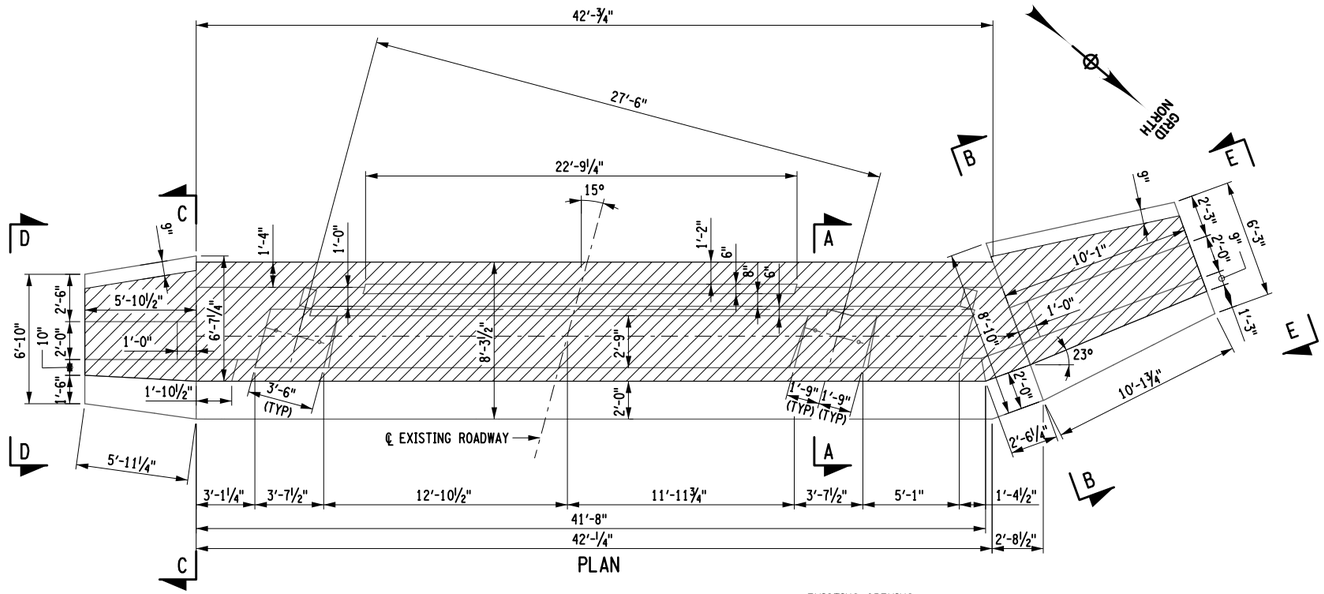
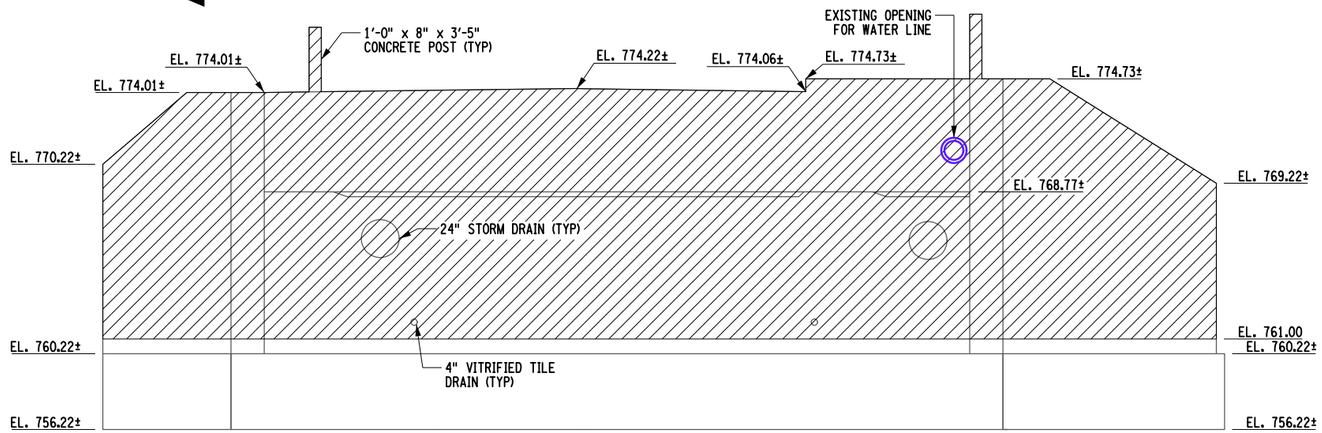
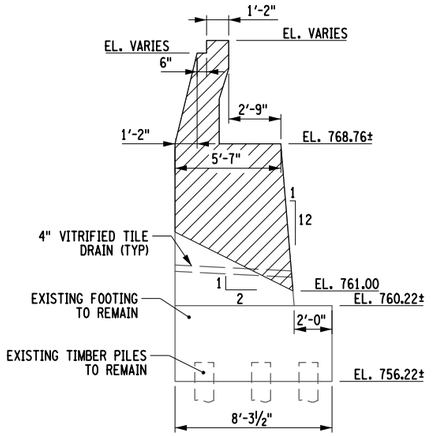


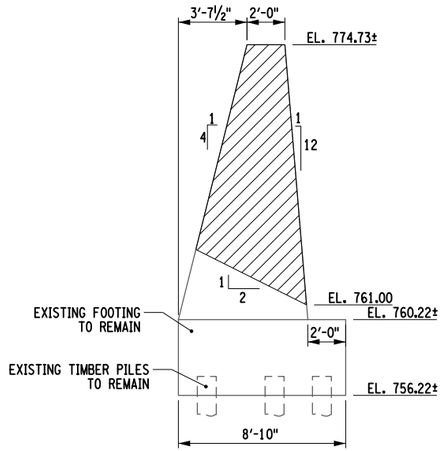
PLAN



ELEVATION



SECTION A-A



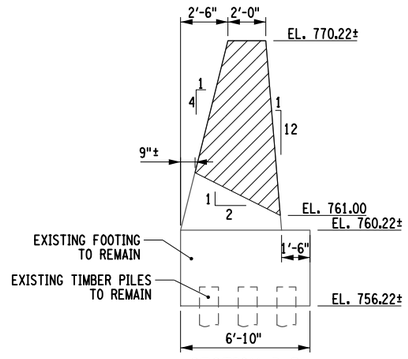
SECTION B-B
SECTION C-C SIMILAR

LEGEND

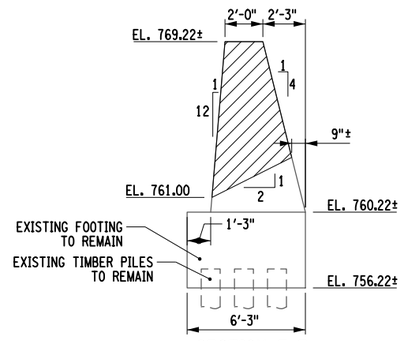
REMOVAL OF SUBSTRUCTURES, ITEM 202.19

NOTES:

1. PILES NOT SHOWN FOR CLARITY.



SECTION D-D



SECTION E-E

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CHECKED BY: J. CRAIG

STRUCTURAL

WEST ABUTMENT REMOVAL DETAILS

ST-06

SHEET 38 OF 74

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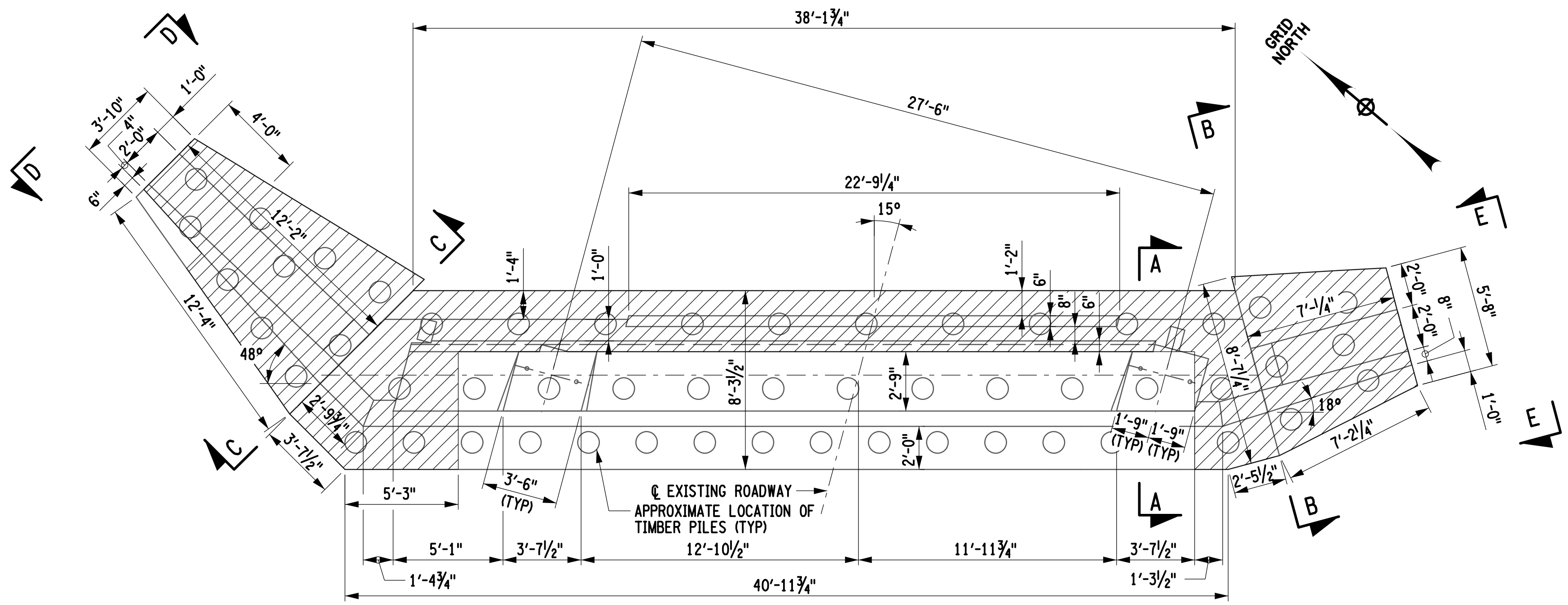
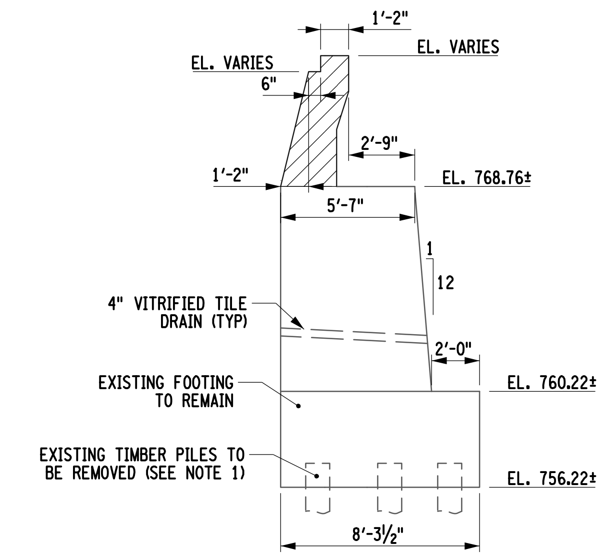
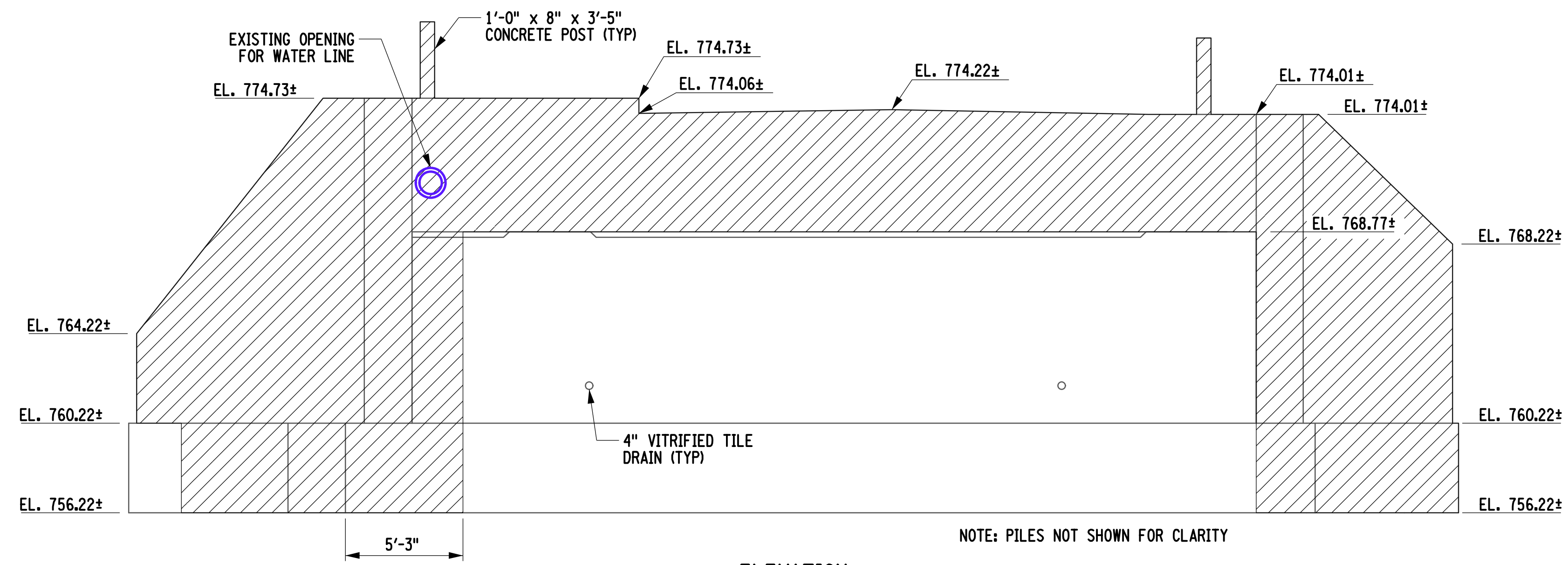


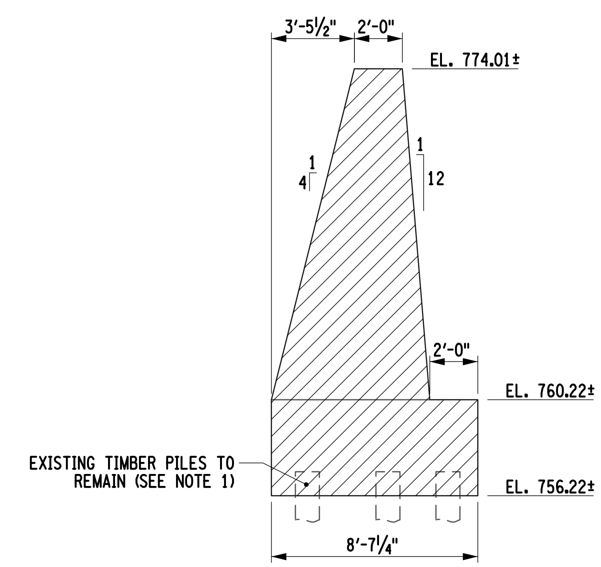
PLAN



SECTION A-A



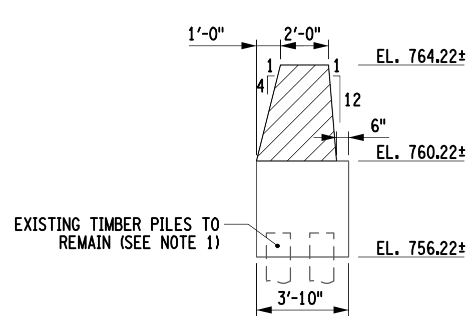
ELEVATION



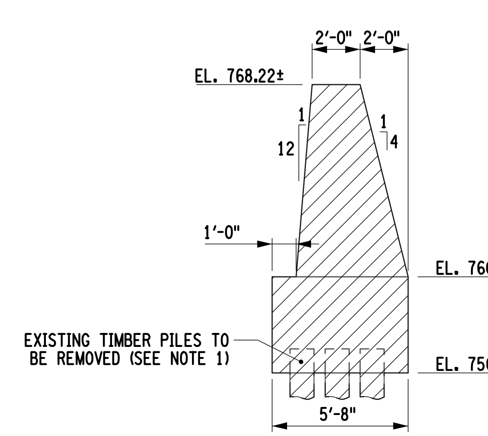
SECTION B-B
SECTION C-C SIMILAR

NOTES:

1. EXISTING TIMBER PILES IN CONFLICT WITH PROPOSED PILE LAYOUT SHALL BE REMOVED. REMOVAL SHALL BE PAID UNDER ITEM 551.92000008. FOR ESTIMATING PURPOSES, IT IS ASSUMED THAT 16 PILES WILL NEED TO BE REMOVED.
2. EXISTING PILE THAT IS NOT IN CONFLICT WITH PROPOSED PILE LAYOUT SHALL REMAIN IN PLACE.
3. PILES THAT ARE REMOVED SHALL BE BACKFILLED WITH UNDERDRAIN FILTER, TYPE 2, ITEM 605.1001.



SECTION D-D



SECTION E-E

LEGEND

REMOVAL OF SUBSTRUCTURES, ITEM 202.19

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REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

PIN 2754.67
BIN 2205960

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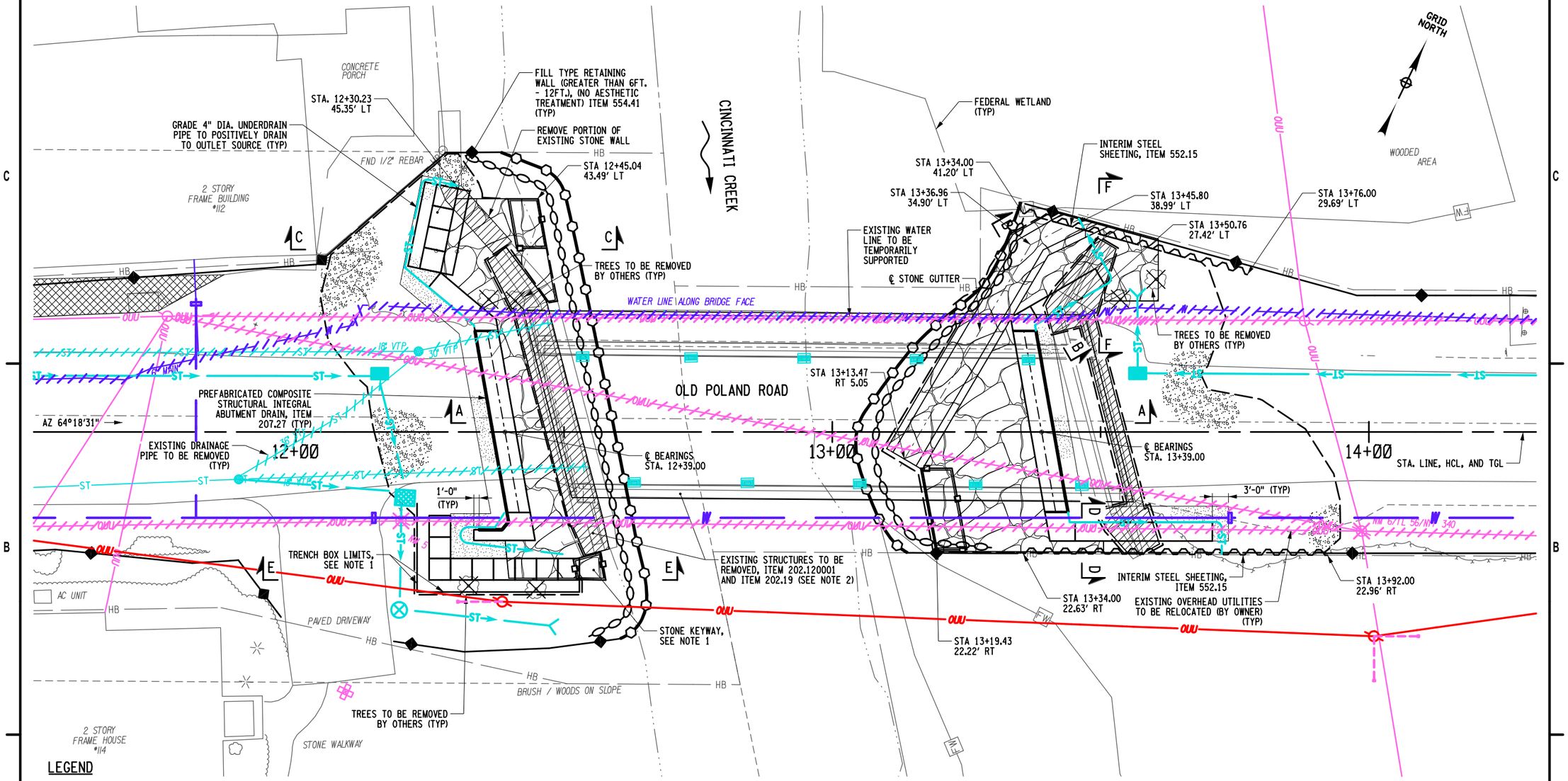
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STRUCTURAL

EAST ABUTMENT REMOVAL DETAILS

ST-07



LEGEND

- SELECT STRUCTURE FILL (ITEM 203.21), COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY
- EMBANKMENT IN PLACE (ITEM 203.03)
- PREFABRICATED COMPOSITE INTEGRAL ABUTMENT DRAIN (ITEM 207.27)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR STRUCTURE EXCAVATION (ITEM 206.01)
- SILT FENCE - TEMPORARY (ITEM 209.13)
- TURBIDITY CURTAIN (ITEM 209.1501)
- COFFERDAMS (TYPE 2), ITEM 553.02000X
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH & CULVERT EXCAVATION (ITEM 206.0201)
- STONE FILLING (HEAVY) (ITEM 620.05)
- REMOVAL OF SUBSTRUCTURES (ITEM 202.19)

EXCAVATION AND EMBANKMENT PLAN

10 0 10 20

NOTES:

1. SEE DWG. NO. ST-09 FOR SECTIONS A-A, B-B, C-C, AND STONE KEYWAY DETAIL. SEE DWG. NO. ST-10 FOR SECTIONS D-D, E-E, AND F-F.
2. SEE DWG. NO. ST-05 TO ST-07 FOR EXISTING STRUCTURE REMOVAL DETAILS.

SUGGESTED CONSTRUCTION SEQUENCE - SOUTHEAST QUADRANT

1. PERFORM INITIAL EXCAVATION TO EL. 765.0±.
2. STAGE TRENCH BOX/SHORING SYSTEM AND ADVANCE EXCAVATION TO BOTTOM OF EXISTING FOOTING (EL. 756.22±). PAY FOR UNDER ITEM 552.17.
3. REMOVE SOUTHEAST WINGWALL.
4. INSTALL INTERIM STEEL SHEETING.
5. COMPLETE SE WINGWALL CONSTRUCTION.
6. BACKFILL ON FRONT FACE OF SE WINGWALL.
7. CUT STEEL SHEETING TO A MINIMUM OF 3.25 FT. BELOW FINISHED GRADE.
8. RESTORE FINISHED SURFACE.

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REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

PIN 2754.67
BIN 2205960

LD040485

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DESIGNED BY: M. MIECZKOWSKI
CHECKED BY: J. CRAIG

STRUCTURAL

EXCAVATION AND EMBANKMENT PLAN

ST-08

SHEET 40 OF 74

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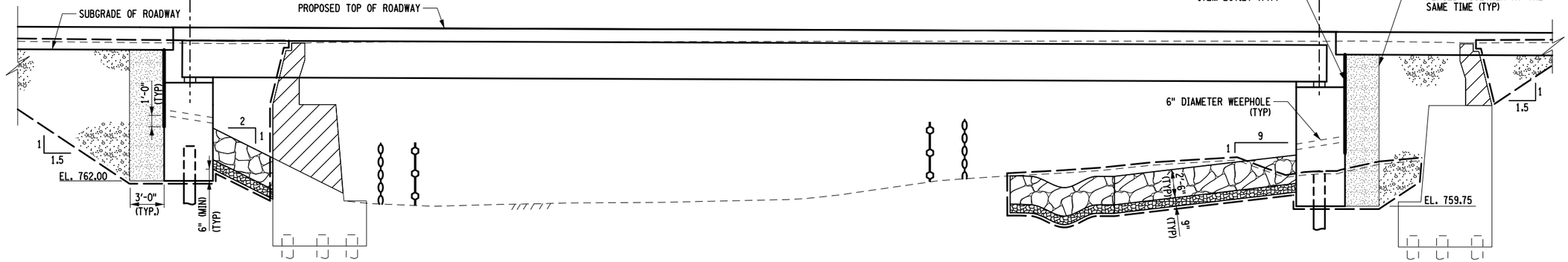
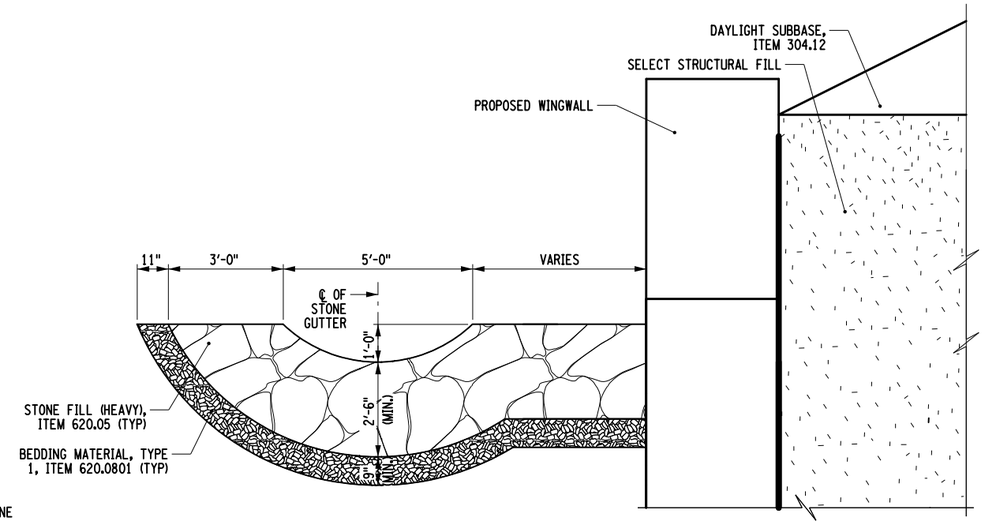


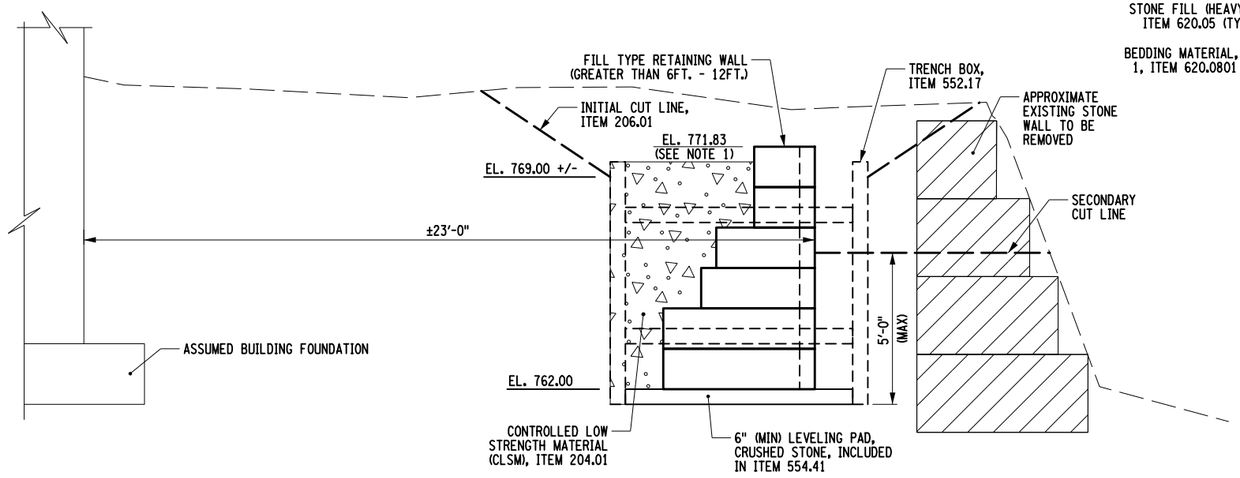
SECTION A-A

LEGEND

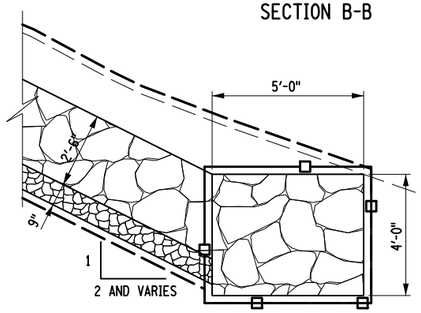
- SELECT STRUCTURE FILL (ITEM 203.21), COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY
- EMBANKMENT IN PLACE (ITEM 203.03)
- STONE FILLING (HEAVY) (ITEM 620.05)
- BEDDING MATERIAL, TYPE 1 (ITEM 620.0801)
- REMOVAL OF SUBSTRUCTURES (ITEM 202.19)
- CONTROLLED LOW STRENGTH MATERIAL (CLSM) (ITEM 204.01)
- PREFABRICATED COMPOSITE INTEGRAL ABUTMENT DRAIN (ITEM 207.27)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR STRUCTURE EXCAVATION (ITEM 206.01)
- TURBIDITY CURTAIN (ITEM 209.1501)
- COFFERDAMS (TYPE 2), ITEM 553.02000X
- EXISTING GROUND SURFACE
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH & CULVERT EXCAVATION (ITEM 206.0201)



SECTION B-B



SECTION C-C



STONE KEYWAY DETAIL

NOTES:

1. CONTRACTOR SHALL VERIFY LENGTH AND HEIGHT OF FILL TYPE RETAINING WALL, ITEM 554.41. THE WALL SHALL TIE INTO THE PROPOSED WINGWALL AND EXISTING STONE WALL. FOR ESTIMATING PURPOSES, IT IS ASSUMED THE WALL WILL BE 16'-0" LONG AND 9'-10" TALL.

SUGGESTED EXCAVATION SHORING SEQUENCE (NW QUADRANT):

1. PERFORM INITIAL EXCAVATION TO ELEV. 769 +/-.
2. STAGE TRENCH BOX/SHORING SYSTEM AND ADVANCE EXCAVATION TO BOTTOM OF FOOTING.
3. PLACE A MINIMUM OF 6 INCHES OF CRUSHED STONE LEVELING PAD.
4. INSTALL MANUFACTURER'S BLOCK WALL SYSTEM INSIDE TRENCH BOX (BLOCK WALL TO BE LEFT IN PLACE).
5. EXCAVATE TO ELEV. 767 +/- ON STREAM SIDE OF TRENCH BOX.
6. PLACE CONTROLLED LOW STRENGTH MATERIAL (CLSM) BEHIND THE NEW BLOCK WALL INSIDE TRENCH BOX. REMOVE TRENCH BOX SIMULTANEOUSLY. CLSM BACKFILL IN LIFTS MAY BE REQUIRED.
7. COMPLETE EXCAVATION TO BOTTOM OF NW WINGWALL.
8. COMPLETE NW WINGWALL CONSTRUCTION.
9. BACKFILL BETWEEN NEW NW WINGWALL AND BLOCK WALL TO REMAIN WITH SELECT STRUCTURAL FILL WITHIN 3 FT. ON FINISHED GRADE.
10. RESTORE FINISHED SURFACE.

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BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: M. MIECZKOWSKI
CHECKED BY: J. CRAIG

STRUCTURAL

EXCAVATION AND EMBANKMENT DETAILS (1 OF 2)

ST-09

SHEET 41 OF 74

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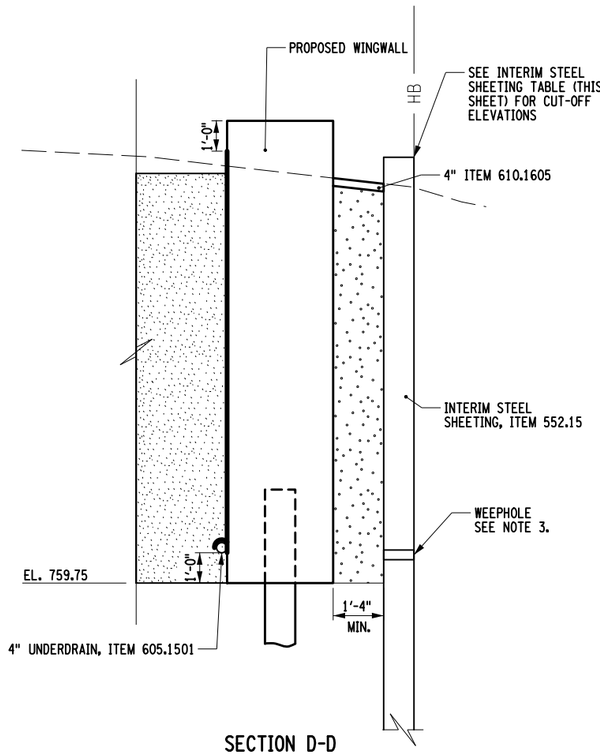
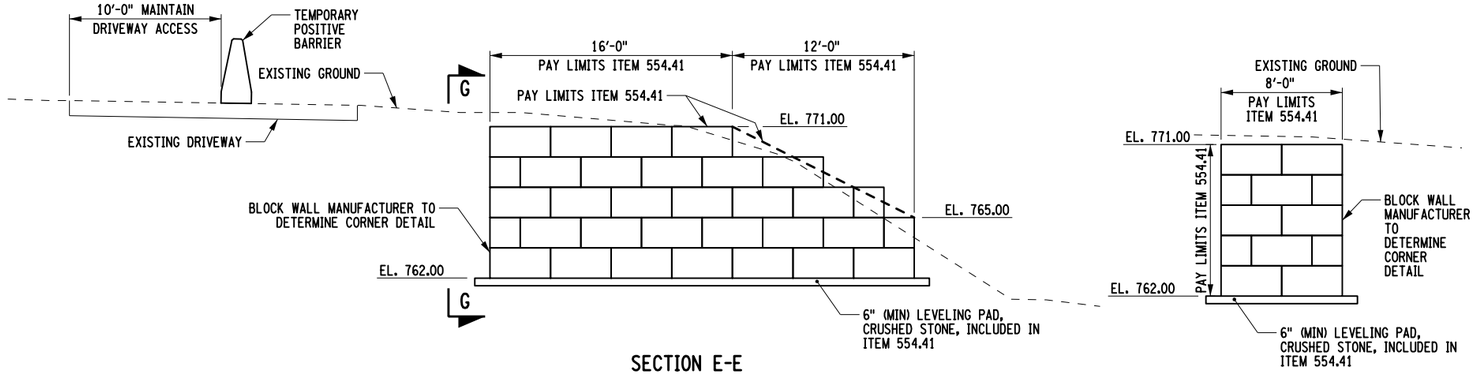


SECTION D-D



SECTION E-E

SECTION G-G

EXCAVATION SHORING NOTES (SW QUADRANT):

1. PERFORM INITIAL EXCAVATION TO ELEV. 771 +/-. EXCAVATION SHALL NOT DISTURB UTILITY POLE AND GUY WIRE(S).
2. STAGE TRENCH BOX/SHORING SYSTEM AND ADVANCE EXCAVATION TO BOTTOM OF FOOTING, SIMILAR TO SECTION C-C AS SHOWN ON DWG. NO. ST-09. PAY FOR UNDER ITEM 552.17.
3. PLACE A MINIMUM OF 6 INCHES OF CRUSHED STONE LEVELING PAD.
4. INSTALL MANUFACTURER'S BLOCK WALL SYSTEM INSIDE TRENCH BOX (BLOCK WALL TO BE LEFT IN PLACE).
5. PLACE CONTROLLED LOW STRENGTH MATERIAL (CLSM) IN FRONT OF THE NEW BLOCK WALL INSIDE TRENCH BOX. REMOVE TRENCH BOX SIMULTANEOUSLY. CLSM BACKFILL IN LIFTS MAY BE REQUIRED. PAY FOR UNDER ITEM 204.01.
6. COMPLETE EXCAVATION TO BOTTOM OF SW WINGWALL.
7. COMPLETE SW WINGWALL CONSTRUCTION.
8. BACKFILL BETWEEN NEW SW WINGWALL AND BLOCK WALL TO REMAIN WITH SELECT STRUCTURAL FILL WITHIN 3 FT. OF FINISHED GRADE.
9. REMOVE ANY TOP BLOCKS TO A MINIMUM OF 3 FT. BELOW FINISHED GRADE AND RESTORE FINISHED SURFACE.

ITEM 552.15 - INTERIM STEEL SHEETING (SF)								
BEGIN STATION	END STATION	BEGIN OFFSET	END OFFSET	MIN. TOE EMBEDMENT	MIN REQUIRED SECTION MODULUS (CU. IN./FT.)	BEGIN CUT-OFF ELEVATION (FT.)	END CUT-OFF ELEVATION (FT.)	ESTIMATED SHEET PILE LENGTH (FT.)
13+34.00	13+76.00	41.20' LT	29.69' LT	EL. 736.50	24.0	EL. 766.00	EL. 772.00	VARIES 29.5 TO 35.5
13+34.00	13+92.00	22.63' RT	22.96' RT	EL. 736.00	30.2	EL. 766.50	EL. 774.20	VARIES 38.2 TO 40.5

SHEETING NOTES:

1. SHEETING IS DESIGNED FOR THE DRAINED CONDITION.
2. A SURCHARGE LOAD OF 250 LB/FT^2 (MINIMUM) IS ASSUMED AT THE TOP OF THE WALL.
3. THE CONTRACTOR SHALL PLACE 3 INCH DIAMETER WEEP HOLES AT ± 10 FT. SPACINGS AT ELEVATION 760.75.
4. THE MINIMUM SHEETING THICKNESS REQUIRED SHALL BE 0.375 IN.

SECTION F-F

LEGEND

- SELECT STRUCTURE FILL (ITEM 203.21), COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY
- EMBANKMENT IN PLACE (ITEM 203.03)
- STONE FILLING (HEAVY) (ITEM 620.05)
- BEDDING MATERIAL, TYPE 1 (ITEM 620.0801)
- CRUSHED STONE (IN PLACE MEASURE) (ITEM 623.12)
- REMOVAL OF SUBSTRUCTURES (ITEM 202.19)
- EXISTING GROUND SURFACE
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR TRENCH AND CULVERT EXCAVATION (ITEM 206.0201)
- PREFABRICATED COMPOSITE INTEGRAL ABUTMENT DRAIN (ITEM 207.27)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR STRUCTURE EXCAVATION (ITEM 206.01)
- TURBIDITY CURTAIN (ITEM 209.1501)
- COFFERDAMS (TYPE 2), ITEM 553.02000X

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TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

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DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: M. MIECZKOWSKI
CHECKED BY: J. CRAIG

STRUCTURAL

EXCAVATION AND EMBANKMENT DETAILS (2 OF 2)

ST-10

SHEET 42 OF 74

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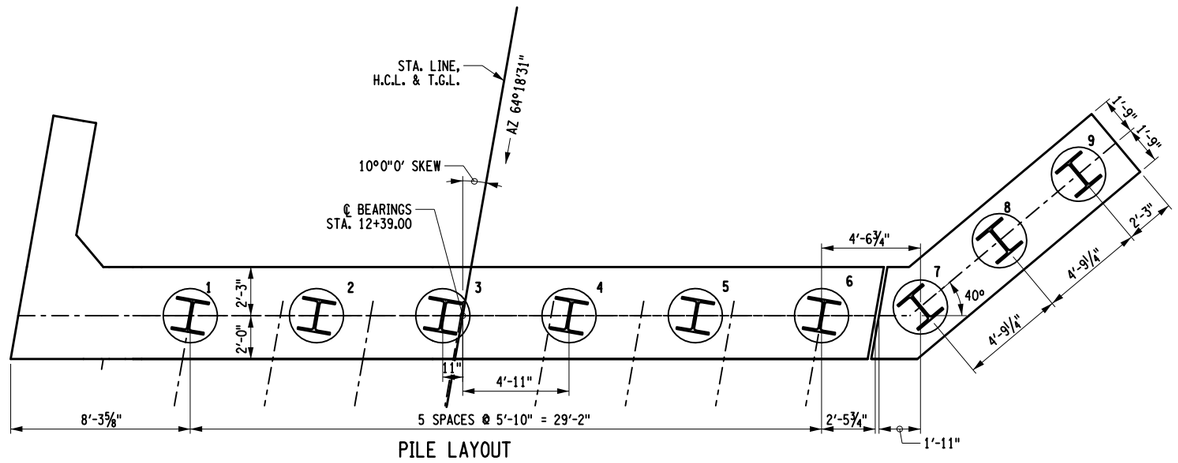
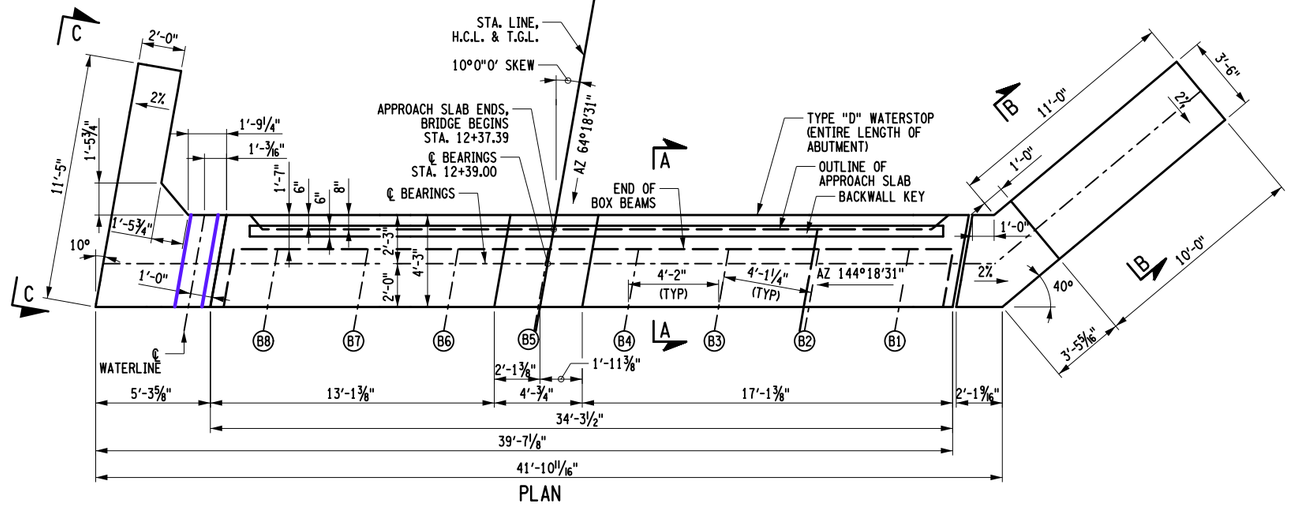
WEST ABUTMENT PILE TABLE	
PILE NO.	LENGTH BELOW CUT-OFF (FT)
1	---
2	
3	
4	
5	
6	
7	
8	
9	



PILE LAYOUT



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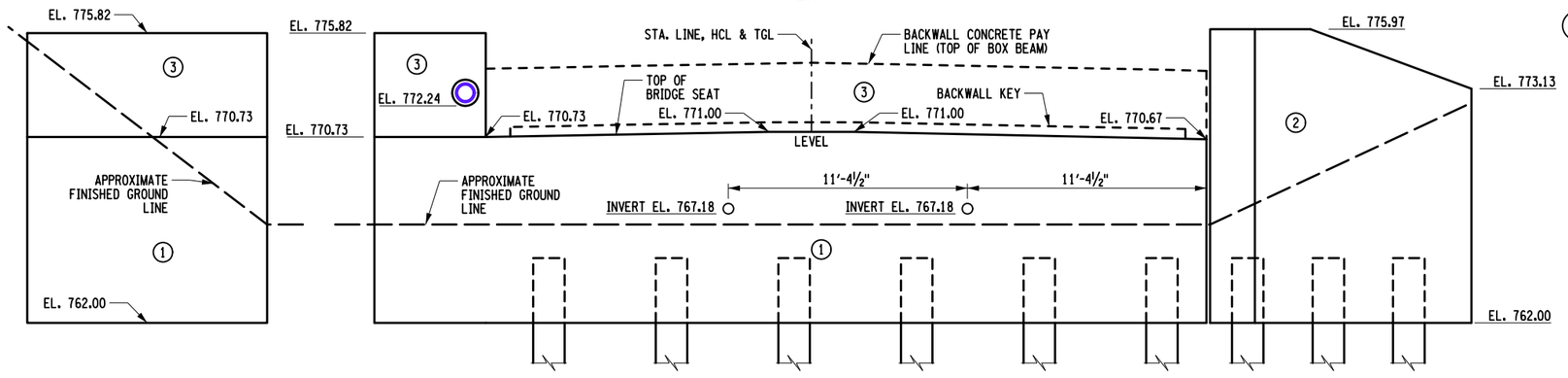

ELEVATION C-C

ELEVATION

LEGEND

- STEEL BEARING PILE (HP16x121), ITEM 551.016121
  PREDRILLING HOLES FOR PILES - CASING REQUIRED (2'-6" DIAMETER), ITEM 551.03020017
  BACKFILL CONCRETE, ITEM 555.0031

EACH PILE SHALL BE PREDRILLED (CASING REQUIRED) (ITEM 551.03020017) INTO THE EXISTING SOIL DOWN TO BEDROCK. IMMEDIATELY AFTER EACH PILE HAS BEEN INSTALLED, THE VOID SHALL BE BACKFILLED WITH CONCRETE (ITEM 555.0031)

PILES SHALL BE ORIENTED WITH STRONG-AXIS PARALLEL TO BEAMS.

THE ESTIMATED LENGTH OF PILE IS 48 FEET. SOIL BORINGS ENCOUNTERED BEDROCK 53 TO 57 FEET BELOW THE EXISTING PAVEMENT SURFACE.

PILE CUT-OFF ELEVATION IS 764.67.

FOR PILE SPLICE AND TIP DETAILS, REFER TO DWG. NO. ST-17.

STEEL H-PILE SHALL BE FURNISHED WITH A SHOE AS PER SECTION 551-3.02 OF THE NYSDOT STANDARD SPECIFICATION. COST TO BE INCLUDED IN PILE ITEM.

THE ABUTMENT PILES ARE DESIGNED TO SUPPORT A MAXIMUM STRENGTH LIMIT STATE AXIAL LOAD OF 385 KIPS PER PILE. THE MAXIMUM SERVICE LIMIT STATE AXIAL LOAD FOR THE ABUTMENT PILES IS 285 KIPS PER PILE.

NOTES:

1. BACKWALL CONCRETE FROM TOP OF BRIDGE SEAT TO TOP OF BOX BEAMS IS TO BE POURED WITH SUPERSTRUCTURE SLAB BUT PAID FOR UNDER THE ABUTMENT CONCRETE ITEM. REFER TO POUR 4 IN CONCRETE TABLE.
2. PROTECTIVE SEALING (ITEM 559.02) SHALL BE APPLIED TO ALL EXPOSED ABUTMENT SURFACES.
3. ALL ELEVATIONS ARE SHOWN IN FEET.
4. FOR SECTIONS A-A AND B-B, SEE DWG. NO. ST-16
5. SEE DWG. NO. ST-36 FOR WATERLINE DETAILS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ANY CHANGES IN THE UTILITY HANGERS WHICH MAY AFFECT THE WINGWALL ELEVATIONS.

FF - EXTERIOR ABUTMENT FACE
RF - INTERIOR ABUTMENT FACE

(NO.) - INDICATES CONCRETE POUR NUMBER

CONCRETE TABLE		
PLACEMENT	QUANTITY	ITEM NO.
1	60.1 CY	555.0021
2	23.8 CY	555.0021
3	14.5 CY	555.0021

STATE OF NEW YORK
JAMES F. CRAIG
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ONEIDA COUNTY 1798 NEW YORK

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

LD0040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: P. DIMARCO
CHECKED BY: J. CRAIG

STRUCTURAL

WEST ABUTMENT PLAN, ELEVATION AND PILE LAYOUT

ST-11
SHEET 43 OF 74

Updated: 3/30/2026 2:43:56 PM
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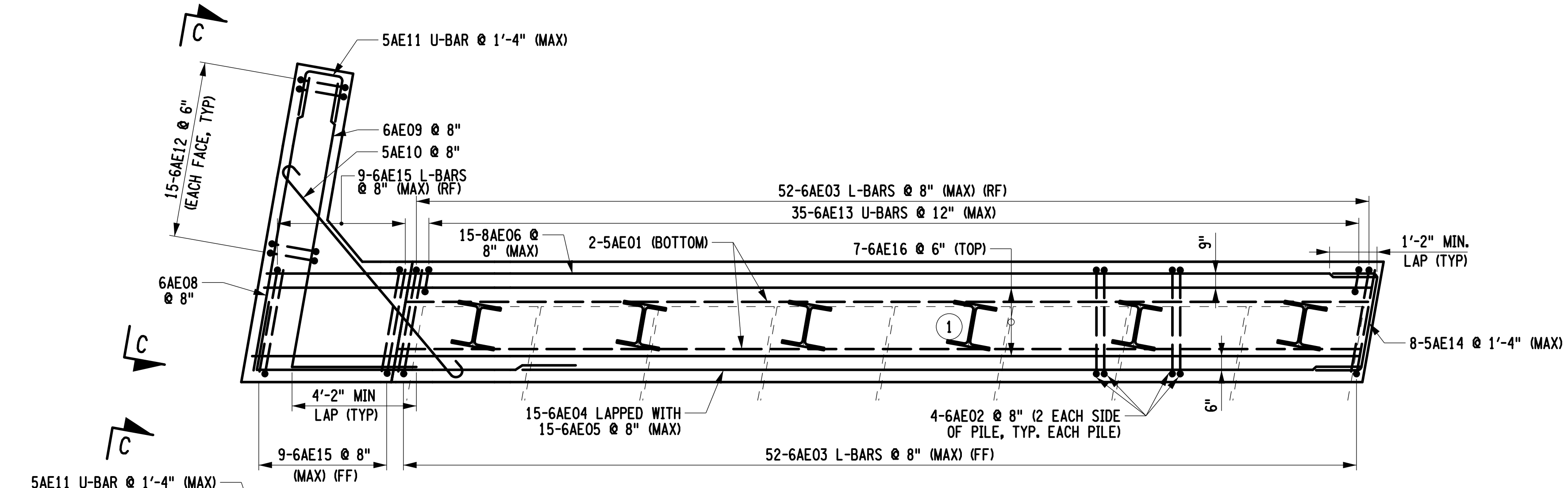
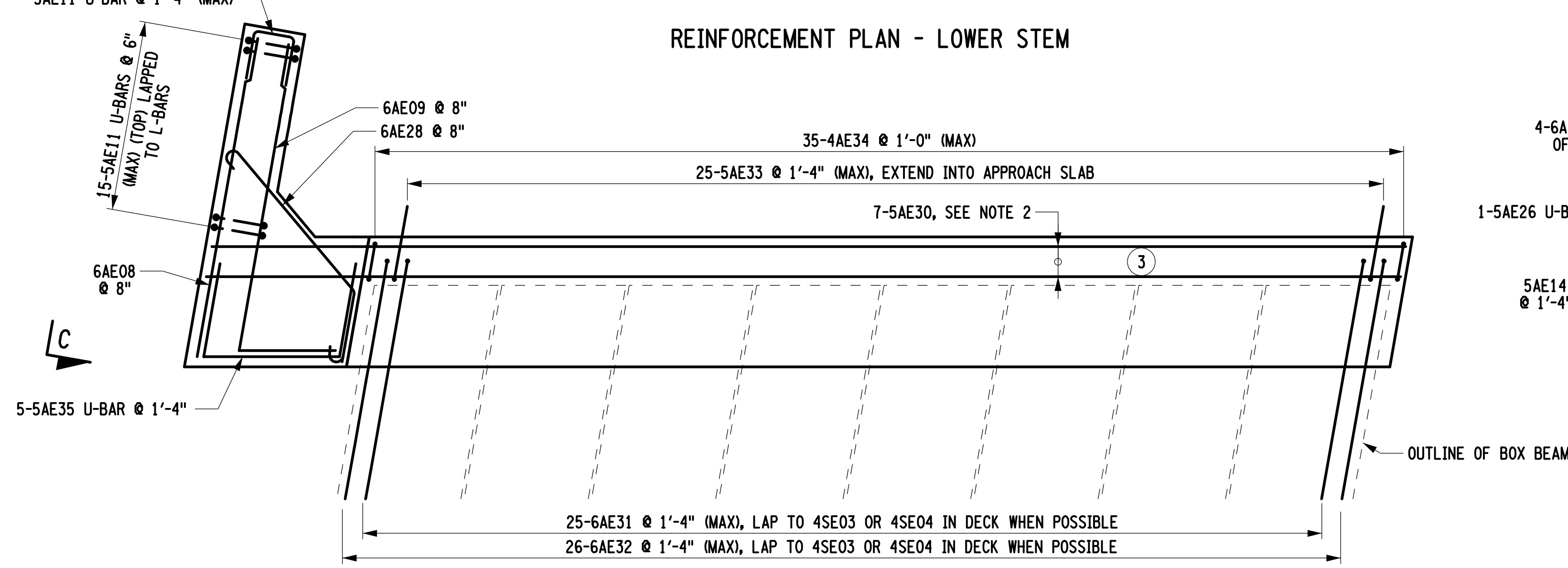
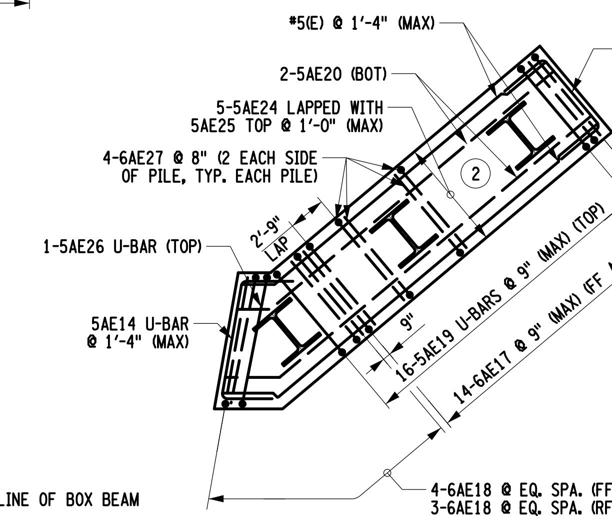


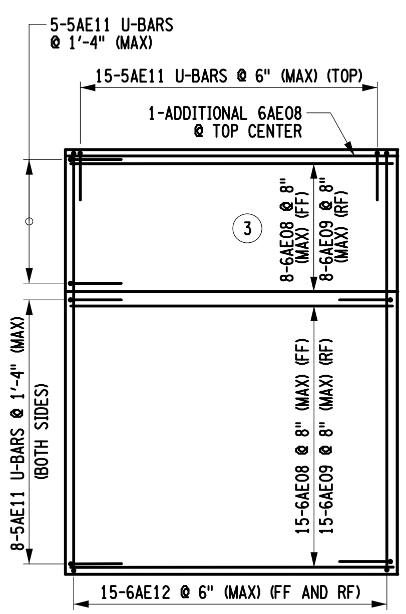
REINFORCEMENT PLAN - LOWER STEM



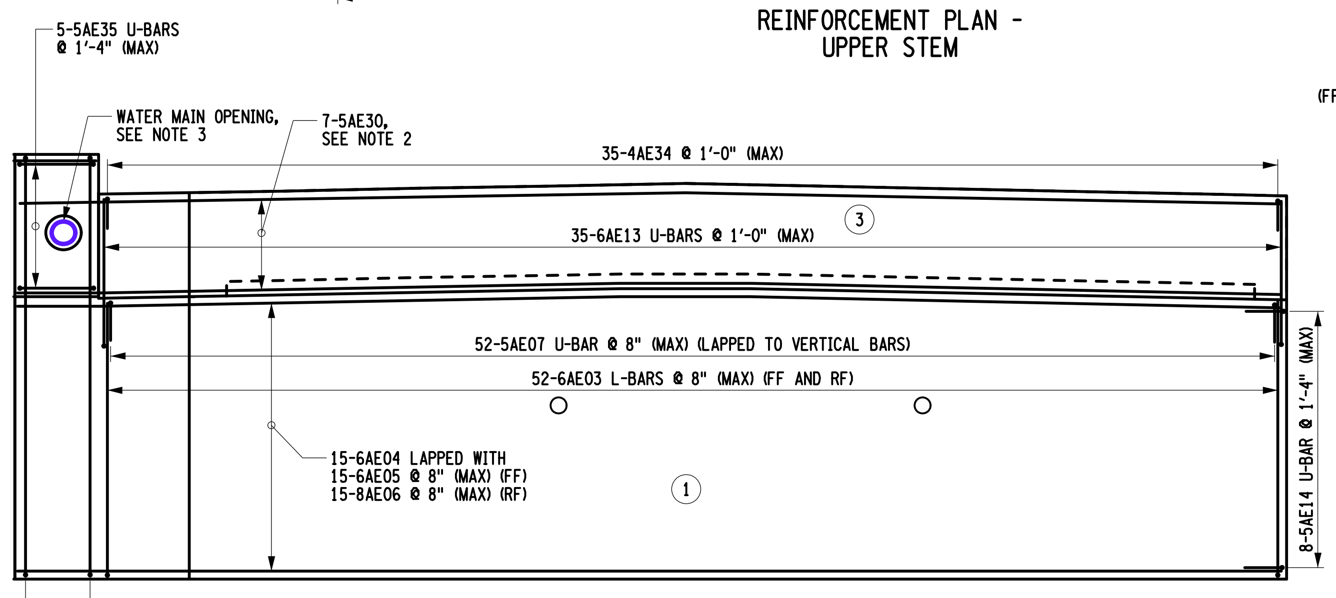
REINFORCEMENT PLAN - UPPER STEM



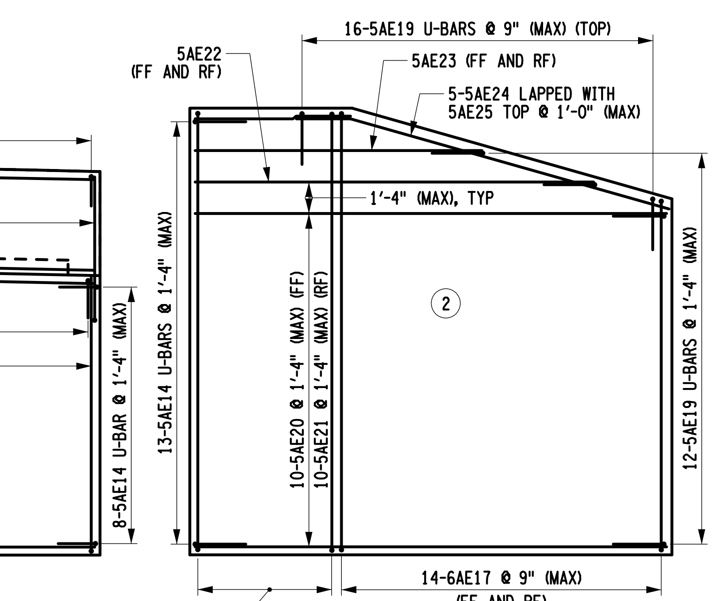
REINFORCEMENT PLAN - WINGWALL "BAL"



SECTION C-C



REINFORCEMENT ELEVATION



REINFORCEMENT ELEVATION - WINGWALL "BAL"

NOTES:

1. ALL COVER FOR STEEL SHALL BE 2" UNLESS OTHERWISE NOTED.
2. SEE SECTION A-A ON DWG. NO. ST-16 FOR BAR PLACEMENT
3. CUT VERTICAL LEGS OF 6AE15 AS REQUIRED TO PROVIDE OPENING FOR WATER MAIN. SEE DWG. NO. ST-36 FOR WATER MAIN AT BACKWALL DETAILS.

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ONEIDA COUNTY NEW YORK 1798

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

PIN 2754.67
BIN 2205960

LD040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146,168,001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: P. DIMARCO
CHECKED BY: J. CRAIG

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

STRUCTURAL

WEST ABUTMENT REINFORCEMENT

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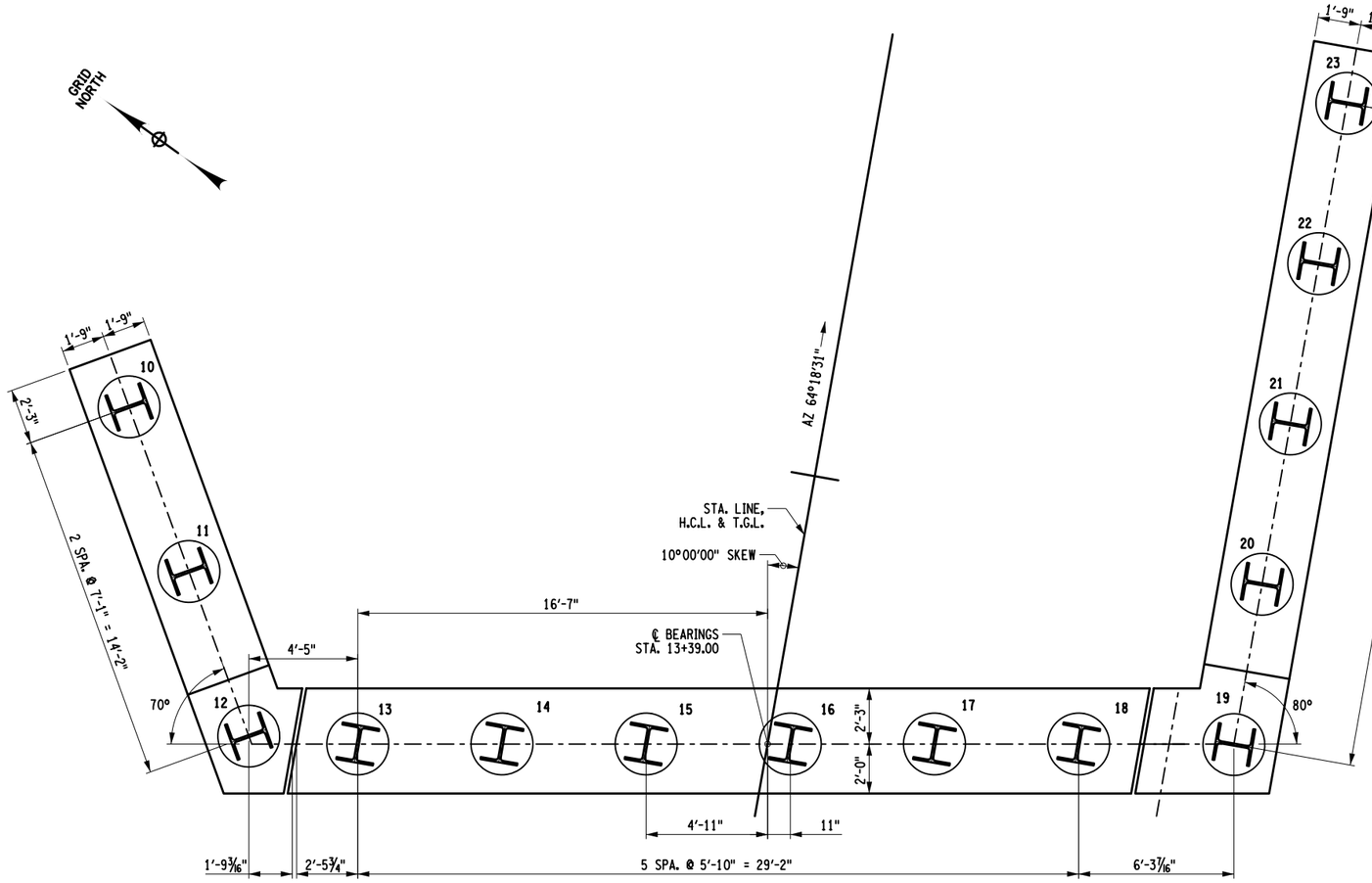
ST-12



PILE LAYOUT

LEGEND

- STEEL BEARING PILE (HP16x121), ITEM 551.016121
  PREDRILLING HOLES FOR PILES - CASING REQUIRED (2'-6" DIAMETER), ITEM 551.03020017
  BACKFILL CONCRETE, ITEM 555.0031

EACH PILE SHALL BE PREDRILLED (CASING REQUIRED) (ITEM 551.03020017) INTO THE EXISTING SOIL DOWN TO BEDROCK. IMMEDIATELY AFTER EACH PILE HAS BEEN INSTALLED, THE VOID SHALL BE BACKFILLED WITH CONCRETE (ITEM 555.0031)

PILES SHALL BE ORIENTED WITH STRONG-AXIS PARALLEL TO BEAMS.

THE ESTIMATED LENGTH OF PILE IS 52 FEET. SOIL BORINGS ENCOUNTERED BEDROCK 62 TO 64 FEET BELOW THE EXISTING PAVEMENT SURFACE.

PILE CUT-OFF ELEVATION IS 762.42.

FOR PILE SPLICE AND TIP DETAILS, REFER TO DWG. NO. ST-17.

STEEL H-PILE SHALL BE FURNISHED WITH A SHOE AS PER SECTION 551-3.02 OF THE NYSDOT STANDARD SPECIFICATION. COST TO BE INCLUDED IN PILE ITEM.

THE ABUTMENT PILES ARE DESIGNED TO SUPPORT A MAXIMUM STRENGTH LIMIT STATE AXIAL LOAD OF 335 KIPS PER PILE. THE MAXIMUM SERVICE LIMIT STATE AXIAL LOAD FOR THE ABUTMENT PILES IS 245 KIPS PER PILE.

EAST ABUTMENT PILE TABLE	
PILE NO.	LENGTH BELOW CUT-OFF (FT)
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	

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TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

LD040485

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STRUCTURAL

EAST ABUTMENT PILE LAYOUT

STATE OF NEW YORK
JAMES F. CRAIG
EXCELSIOR
078434
LICENSED PROFESSIONAL ENGINEER

ST-13

SHEET 45 OF 74

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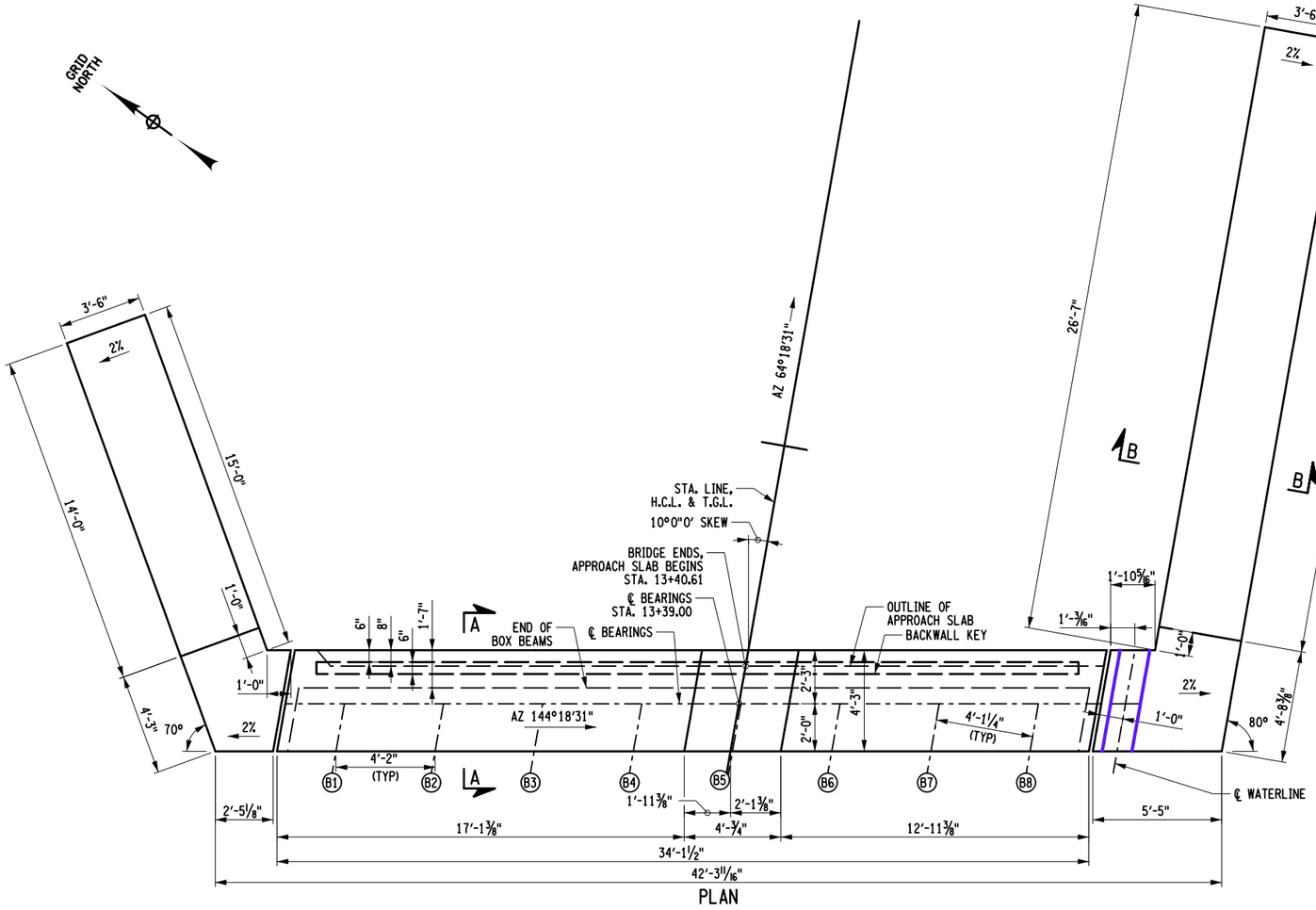
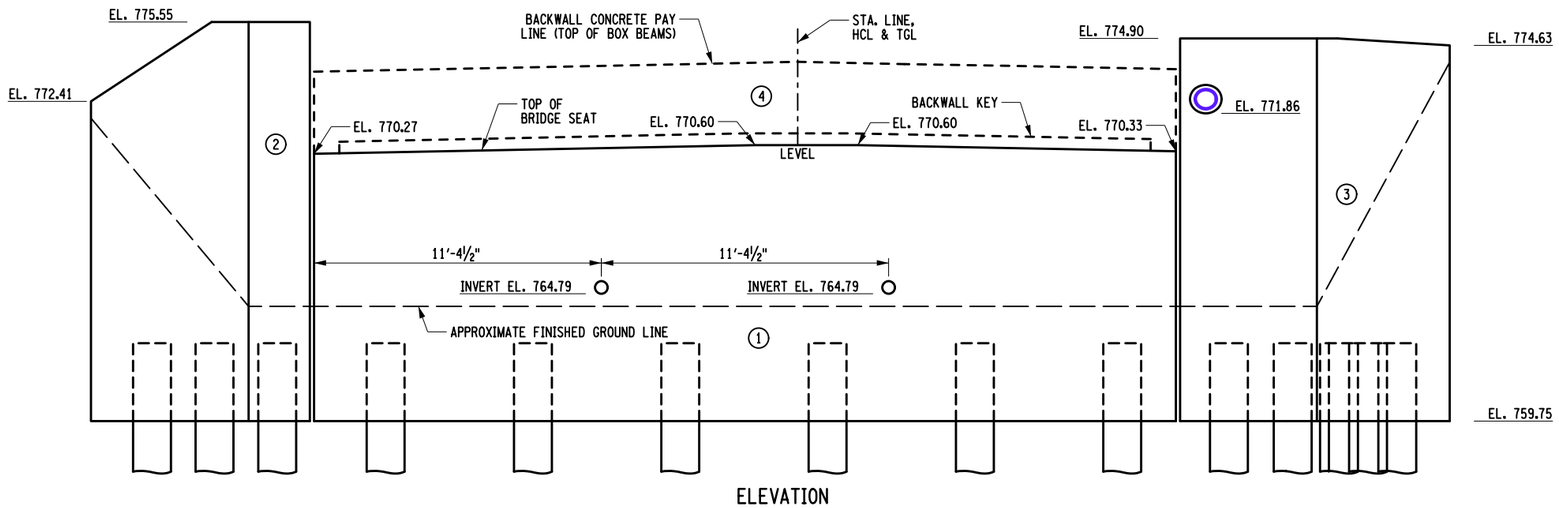


PLAN



ELEVATION

NOTES:

1. BACKWALL CONCRETE FROM TOP OF BRIDGE SEAT TO TOP OF BOX BEAMS IS TO BE POURED WITH SUPERSTRUCTURE SLAB BUT PAID FOR UNDER THE ABUTMENT CONCRETE ITEM. REFER TO POUR 4 IN CONCRETE TABLE.
2. PROTECTIVE SEALING (ITEM 559.02) SHALL BE APPLIED TO ALL EXPOSED ABUTMENT SURFACES.
3. ALL ELEVATIONS ARE SHOWN IN FEET.
4. SEE DWG. NO. ST-16 FOR SECTIONS A-A AND B-B.
5. SEE DWG. NO. ST-36 FOR WATERLINE DETAILS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ANY CHANGES IN THE UTILITY HANGERS WHICH MAY AFFECT THE WINGWALL ELEVATIONS.

FF - EXTERIOR ABUTMENT FACE
RF - INTERIOR ABUTMENT FACE

(NO.) - INDICATES CONCRETE POUR NUMBER

CONCRETE TABLE

PLACEMENT	QUANTITY	ITEM NO.
1	57.6 CY	555.0021
2	35.5 CY	555.0021
3	64.0 CY	555.0021
4	7.3 CY	555.0021

STATE OF NEW YORK
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ONEIDA COUNTY NEW YORK 1798

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: P. DIMARCO
CHECKED BY: J. CRAIG

STRUCTURAL

EAST ABUTMENT PLAN AND ELEVATION

ST-14

SHEET 46 OF 74

Last Modified: 3/30/2026 2:44:22 PM
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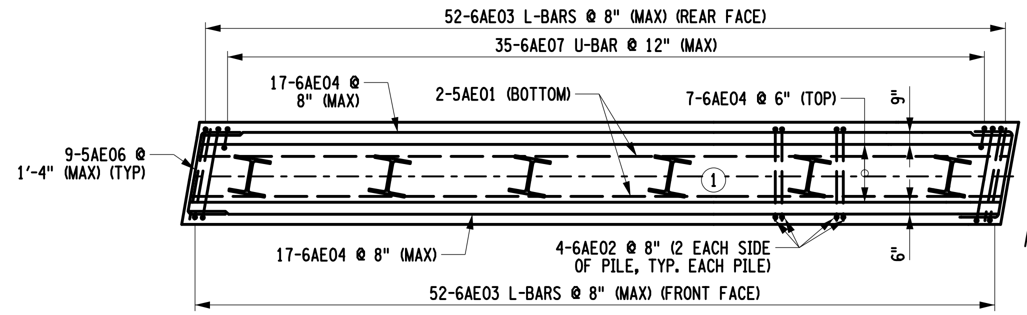
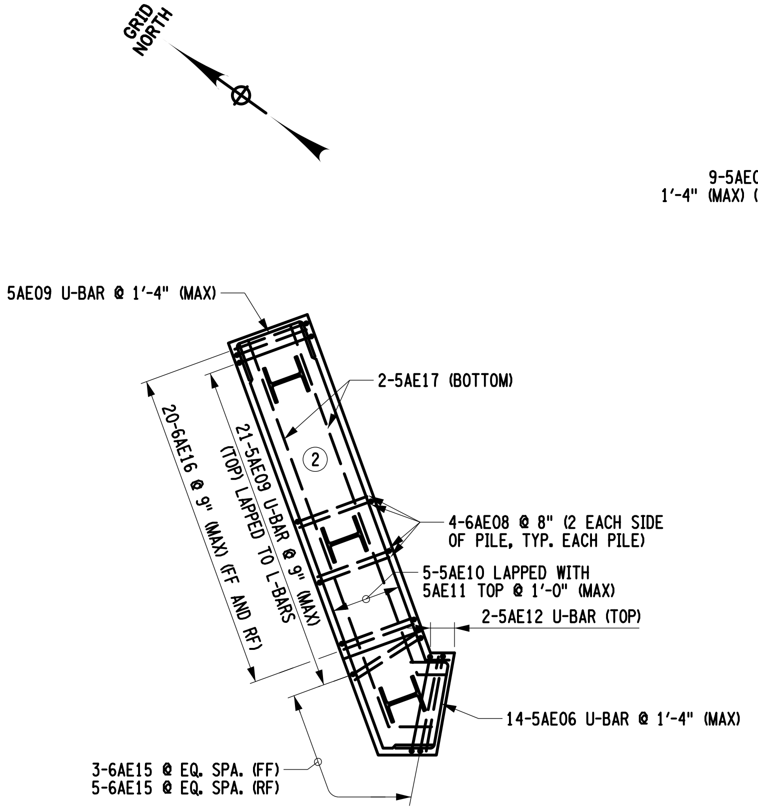
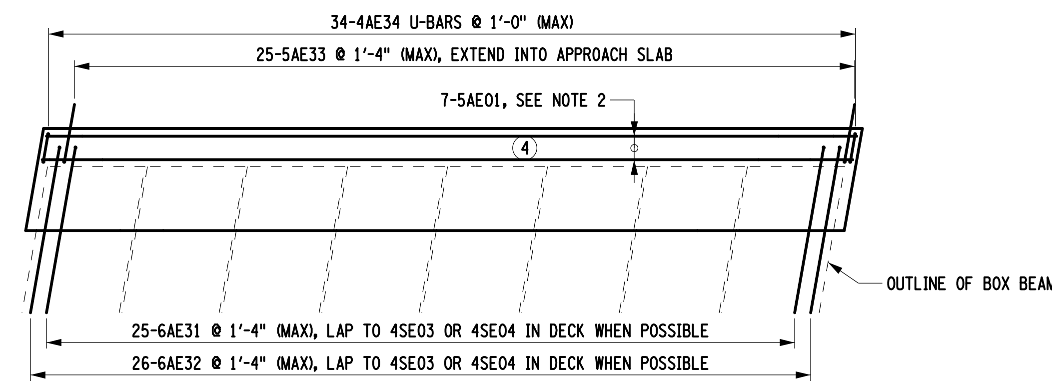


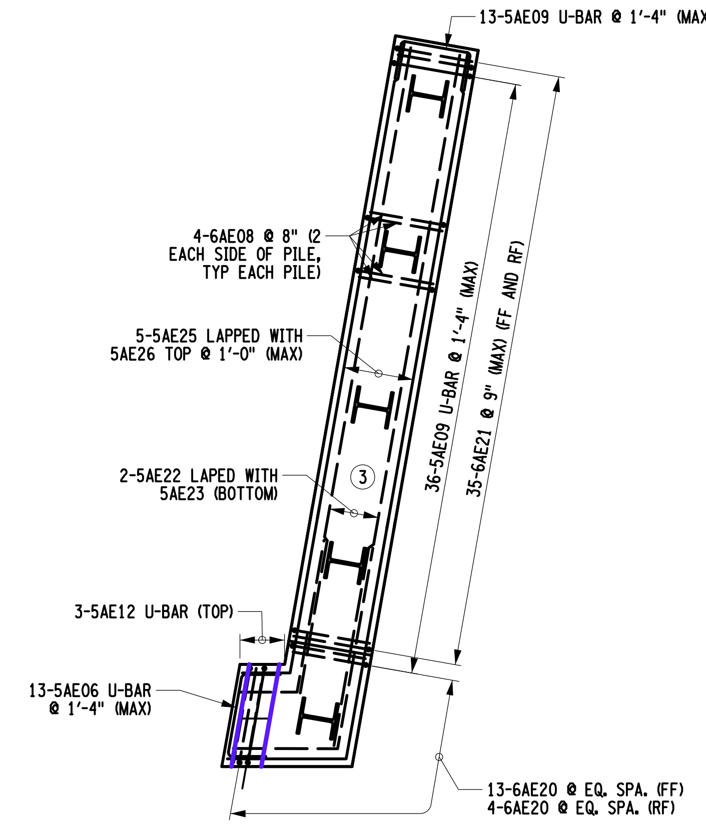
REINFORCEMENT PLAN - LOWER STEM



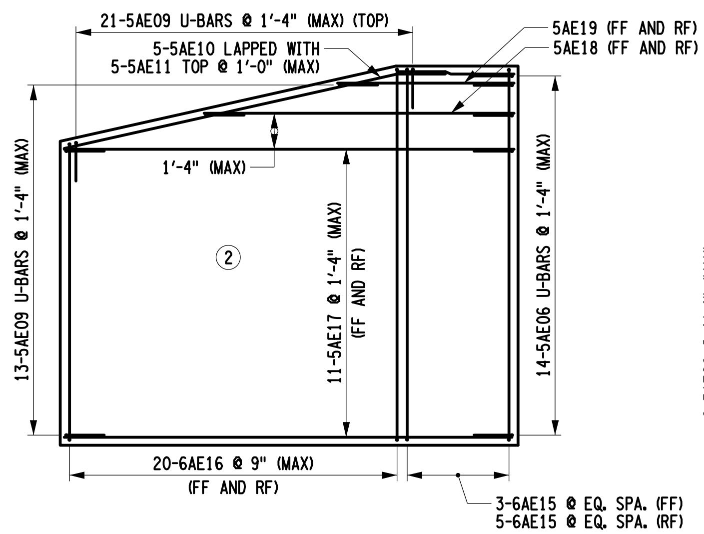
REINFORCEMENT PLAN - WINGWALL "EAL"



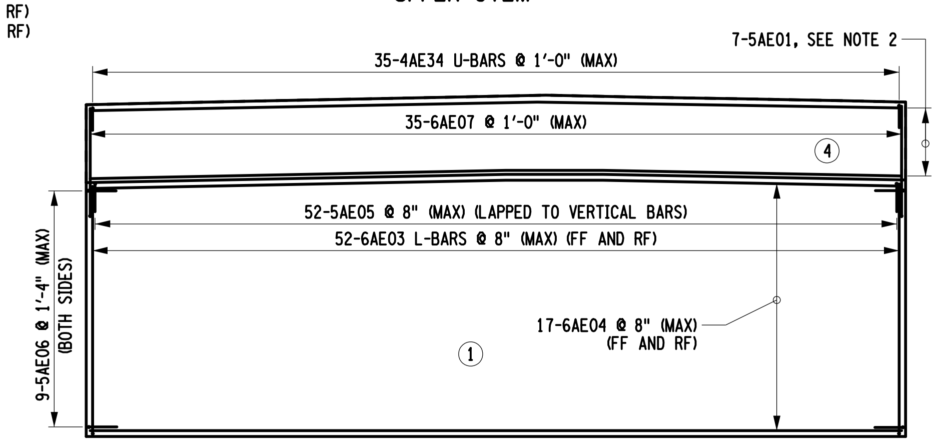
REINFORCEMENT PLAN - UPPER STEM



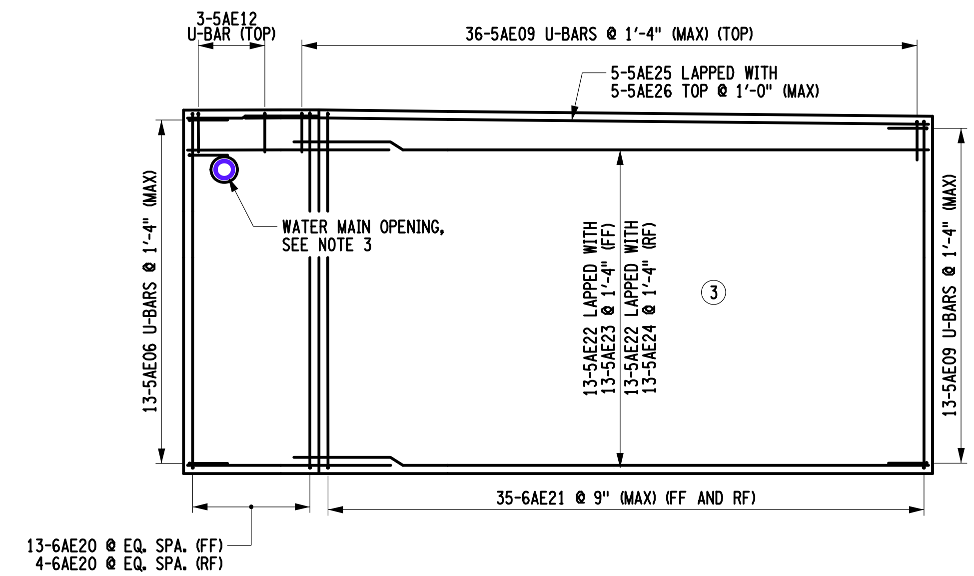
REINFORCEMENT PLAN - WINGWALL "EAR"



REINFORCEMENT ELEVATION - WINGWALL "EAL"



REINFORCEMENT ELEVATION



REINFORCEMENT ELEVATION - WINGWALL "EAR"

NOTES:

1. ALL COVER FOR STEEL SHALL BE 2" UNLESS OTHERWISE NOTED.
2. SEE SECTION A-A ON DWG. NO. ST-16 FOR BAR PLACEMENT.
3. CUT VERTICAL LEGS OF 6AE20 AS REQUIRED TO PROVIDE OPENING FOR WATER MAIN. SEE DWG. NO. ST-36 FOR WATER MAIN AT BACKWALL DETAILS.

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ONEIDA COUNTY NEW YORK 1798

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

PIN 2754.67
BIN 2205960

LD040485

MARK	DATE	DESCRIPTION

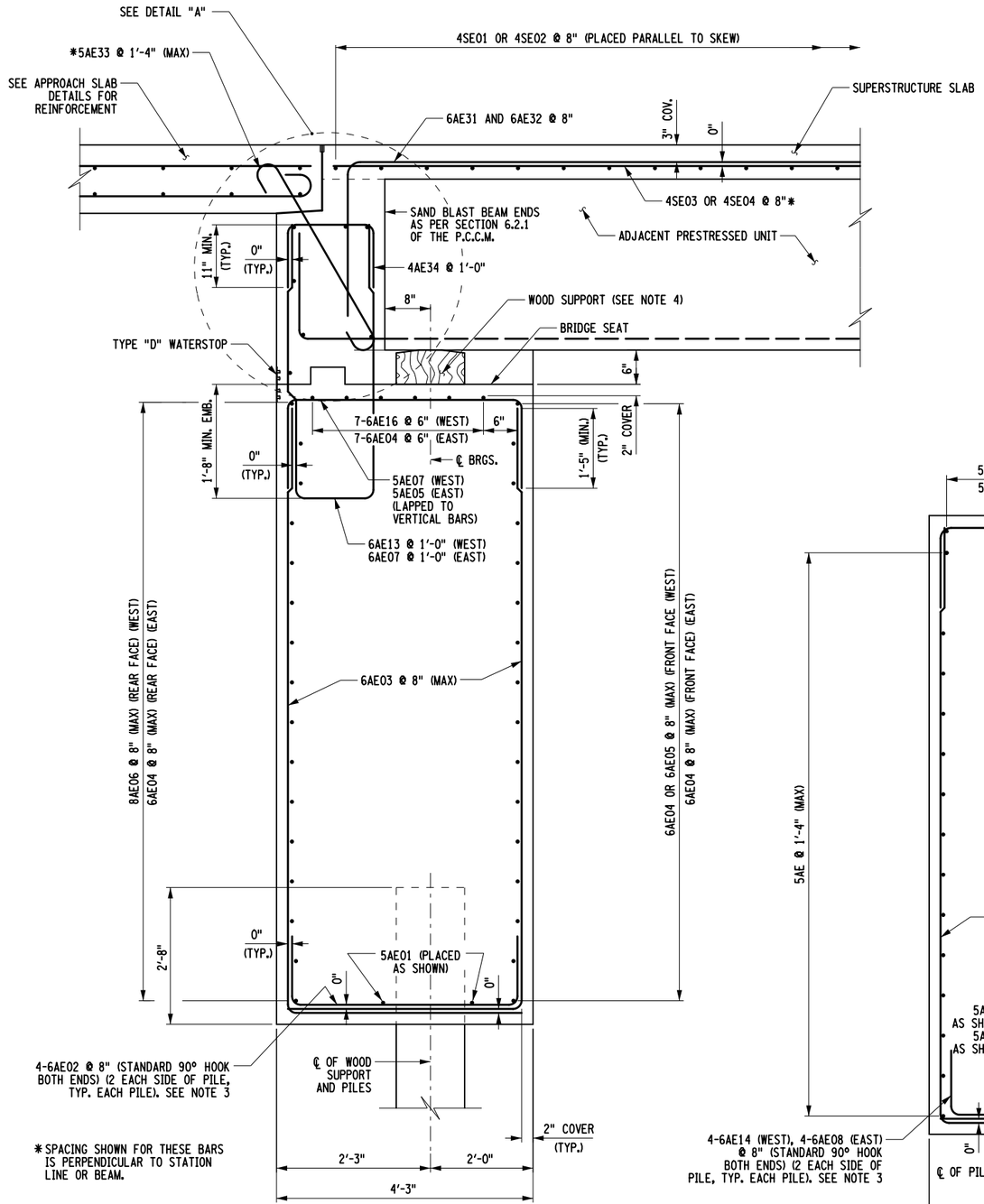
REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: P. DIMARCO
CHECKED BY: J. CRAIG

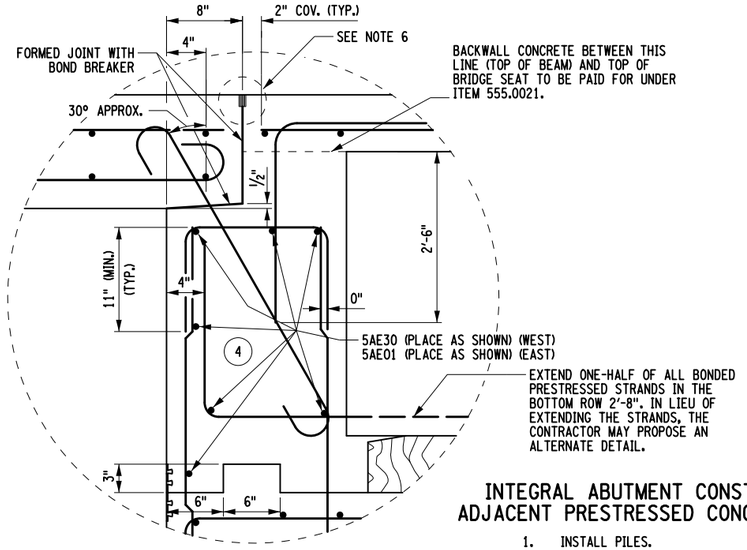
STRUCTURAL

EAST ABUTMENT REINFORCEMENT

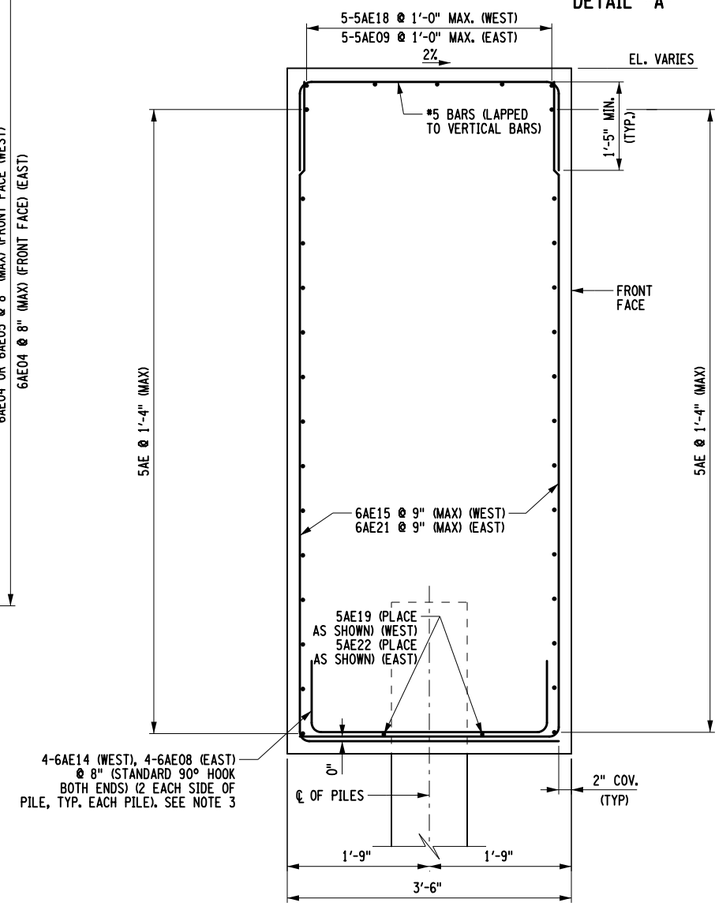
ST-15



SECTION A-A
NOT TO SCALE



DETAIL "A"



SECTION B-B
NOT TO SCALE

INTEGRAL ABUTMENT CONSTRUCTION PROCEDURE ADJACENT PRESTRESSED CONCRETE SUPERSTRUCTURE

1. INSTALL PILES.
2. PLACE ABUTMENT STEM AND PORTION OF WINGWALL CAST INTEGRALLY WITH ABUTMENT STEM TO BRIDGE SEAT ELEVATION.
3. PLACE INDEPENDANT WINGWALL CONCRETE.
4. BACKFILL ABUTMENTS TO 6" BELOW THE BRIDGE SEAT ELEVATION. NO BACKFILL OF THE ABUTMENT STEMS ALLOWED UNTIL ABUTMENTS HAVE CURED FOR 7 DAYS.
5. PLACE STONE FILL OR SLOPE PROTECTION.
6. ERECT PRESTRESSED UNITS ON WOOD BLOCKS.
7. PLACE PERFORMANCE CONCRETE ABOVE BRIDGE SEAT ELEVATION FOR THE ABUTMENT BACKWALL AND DECK SLAB. TO FACILITATE COMPLETE CONSOLIDATION OF CONCRETE BETWEEN THE TOP OF THE BRIDGE SEAT AND THE BOTTOM OF THE BEAM, VENT HOLES SHALL BE PROVIDED IN THE FORM UNDER EACH BEAM FOR THE INSERTION OF A 1" DIAMETER VIBRATOR. HIGH RANGE WATER REDUCERS (SUPER PLASTICIZER) MAY BE ADDED ONLY FOR THE REMAINDER OF THE ABUTMENT POUR, UP TO THE TOP OF THE PRESTRESSED UNITS. HIGH RANGE WATER REDUCERS SHALL NOT BE ALLOWED FOR THE DECK SLAB.
8. BACKFILL ABUTMENT BACKWALLS.
9. PLACE CONCRETE FOR APPROACH SLAB.

NOTES:

1. THE WOOD SUPPORT SHALL BE ORIENTED WITH THE GRAIN VERTICAL. THE WOOD SUPPORT SHALL CONFORM TO, AND BE PAID UNDER, ITEM 565.30130101, "TEMPORARY WOOD SUPPORT".
2. IF NECESSARY, STEEL FILL PLATES (MIN. 1/4" THICK EA.) OF UP TO 1" TOTAL HEIGHT, MAY BE USED BETWEEN THE WOOD BLOCK AND ABUTMENT STEM. COST OF FILL PLATES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ABUTMENT CONCRETE.
3. SEE DWG. NO. ST-17 FOR ADDITIONAL INFORMATION ON REINFORCEMENT AT PILES.
4. SEE DWG. NO. ST-17 FOR WOOD BLOCK PLACEMENT DETAILS.
5. SEE DWG. NO. ST-35 FOR WATERSTOP DETAILS.
6. SEE DWG. NO. ST-29 FOR JOINT RECESS DETAIL.

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ONEIDA COUNTY NEW YORK 1798

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: P. DIMARCO
CHECKED BY: J. CRAIG

STRUCTURAL

ABUTMENT SECTION AND DETAILS (1 OF 2)

ST-16
SHEET 48 OF 74

Issued on: 3/30/2026 2:44:11 PM
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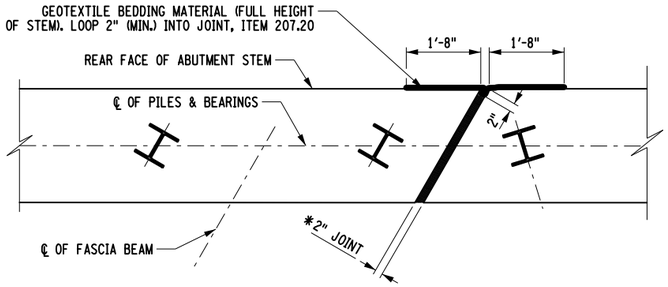
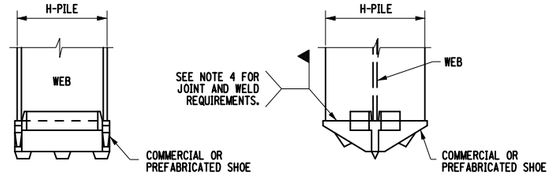


PLAN
TYPICAL LAYOUT FOR SEPARATED WINGWALLS

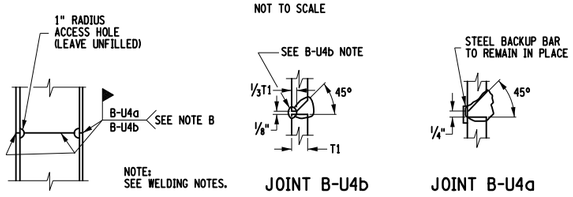
* NOTE: FORM JOINT WITH PREMOLDED RESILIENT JOINT FILLER CONFORMING TO MATERIAL SPECIFICATION 705-07.



NOTES:

1. COMMERCIAL OR PREFABRICATED SHOES ARE SUBJECT TO THE APPROVAL OF THE ENGINEER.
2. THE SHOE SHALL BE ATTACHED BY A NYSDOT CERTIFIED WELDER.
3. A "WELDING PROCEDURE SPECIFICATION" (WPS) APPROVED BY THE ENGINEER IS REQUIRED.
4. THE SHOE WELD JOINT DESIGN SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION, AND AS SHOWN ON THE APPROVED WPS.
5. IF SHOES ARE WELDED AT A LOCATION OTHER THAN THE PROJECT SITE, ALL OF THE ABOVE PROVISIONS SHALL APPLY TO THE OFFSITE FABRICATOR. THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR OF THE ACTUAL LOCATION WHERE THE WELDING WILL BE PERFORMED A MINIMUM OF 5 WORKING DAYS BEFORE WORK COMMENCES.
6. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER IN CONFORMANCE WITH REQUIREMENTS FOR WELDING SPECIFIED IN THE N.Y.S. STEEL CONSTRUCTION MANUAL.

STEEL H-PILE SHOES
NOT TO SCALE



SPLICE FOR STEEL PILE

WELDING NOTES:

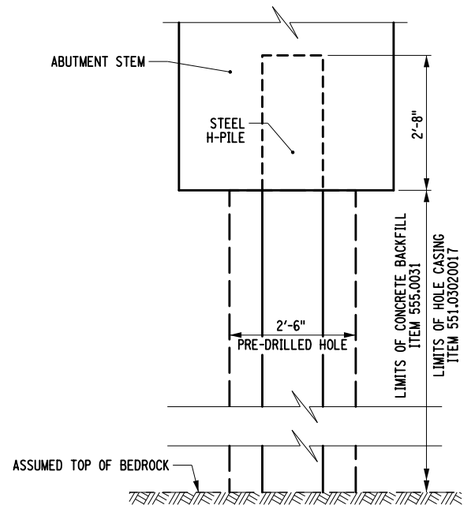
A "WELDING PROCEDURE SPECIFICATION" (WPS) APPROVED BY THE ENGINEER. IS REQUIRED.

ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER IN CONFORMANCE WITH REQUIREMENTS FOR WELDING SPECIFIED IN THE N.Y.S. STEEL CONSTRUCTION MANUAL.

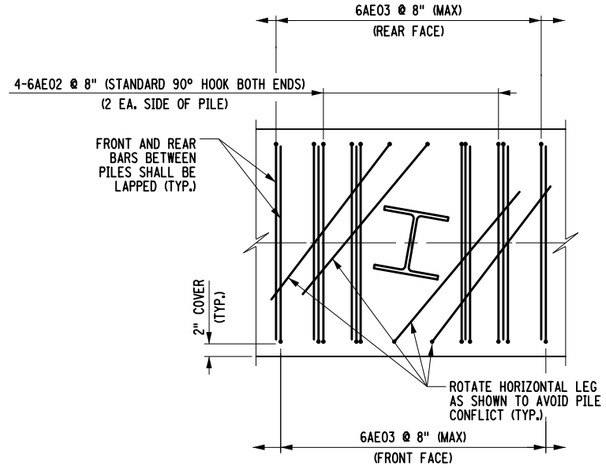
A: SIZE TO BE INDICATED IN THE F.D.R.

B: EITHER JOINT MAY BE USED AT CONTRACTOR'S OPTION.

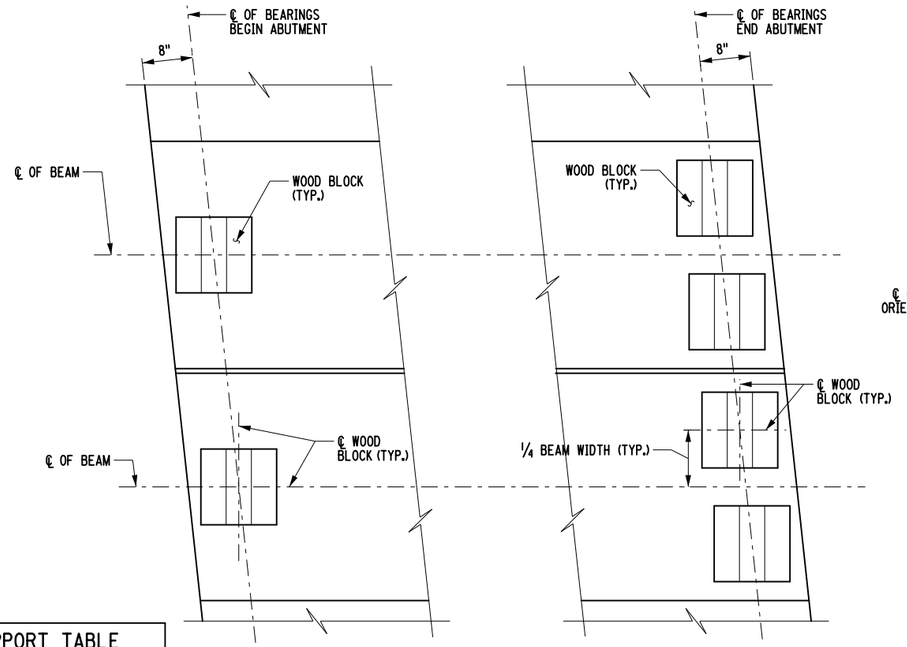
B-U4b: AIR CARBON ARC GOUGE TO SOUND WELD METAL PRIOR TO WELDING THE SECOND SIDE. THE GOUGE SHALL HAVE A 1/4" MINIMUM RADIUS AT THE ROOT WITH THE TOP SLOPED BACK AT 45° MINIMUM.



PRE-DRILLED PILE HOLE DETAIL



REINFORCEMENT AT PILES

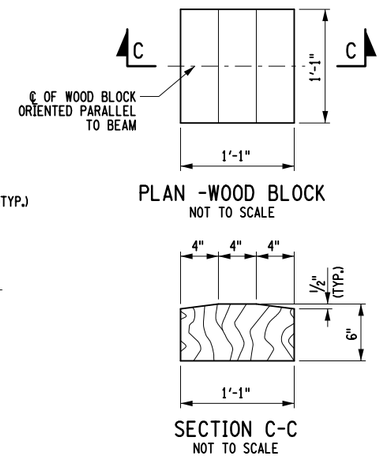


PLAN - WOOD BLOCK PLACEMENT
NOT TO SCALE

TEMPORARY WOOD SUPPORT TABLE		
GIRDER / BEAM	HEIGHT	
	BEGIN ABUTMENT	END ABUTMENT
B1	6"	6"
B2	6"	6"
B3	6"	6"
B4	6"	6"
B5	6"	6"
B6	6"	6"
B7	6"	6"
B8	6"	6"

WOOD BLOCK NOTES:

1. THE WOOD SUPPORT SHALL BE ORIENTED WITH THE GRAIN VERTICAL. THE WOOD SUPPORT SHALL CONFORM TO, AND BE PAID UNDER, ITEM 565.30130101, "TEMPORARY WOOD SUPPORT".
2. IF NECESSARY, STEEL FILL PLATES (MIN. 1/4" THICK EA.) OF UP TO 1" TOTAL HEIGHT, MAY BE USED BETWEEN THE WOOD BLOCK AND ABUTMENT STEM. COST OF FILL PLATES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ABUTMENT CONCRETE.



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REPLACEMENT OF
OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

PIN 2754.67
BIN 2205960

LD040485

MARK	DATE	DESCRIPTION

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DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: P. DIMARCO
CHECKED BY: J. CRAIG

STRUCTURAL

ABUTMENT SECTION AND DETAILS (2 OF 2)

ST-17
SHEET 49 OF 74

Issued on: 3/31/2026 8:02:09 AM
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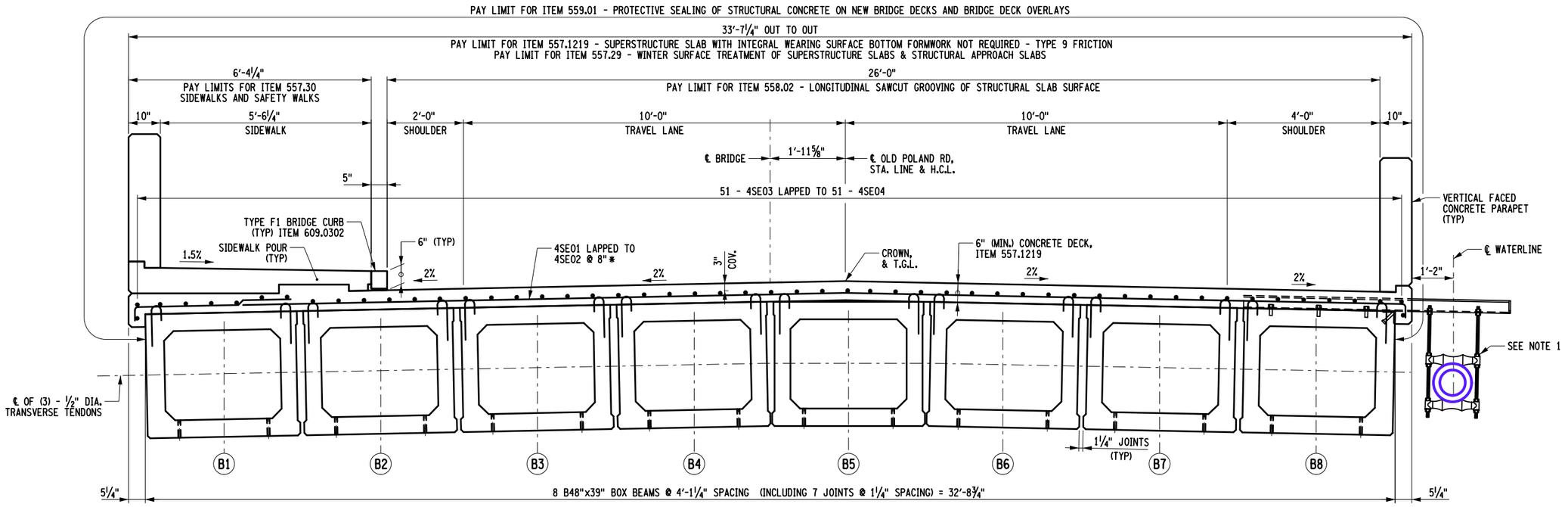
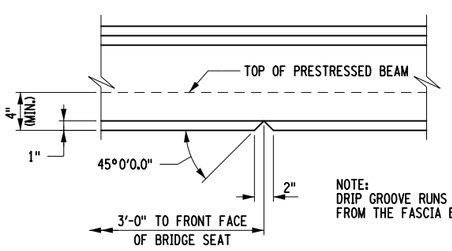
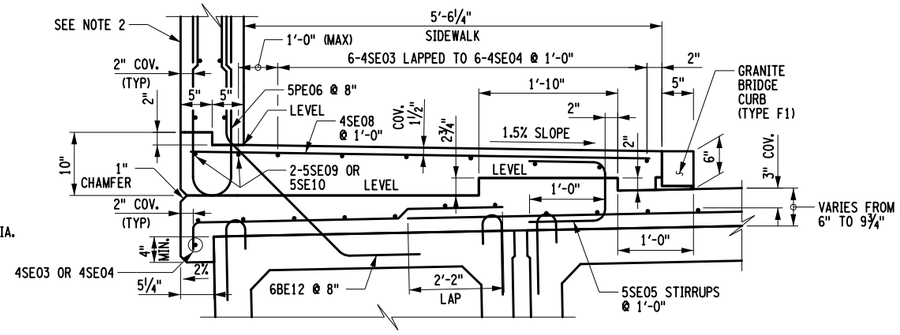


* TRANSVERSE BARS SHALL BE PLACED ON THE SKEW. SPACING IS SHOWN PERPENDICULAR TO THE SKEW.

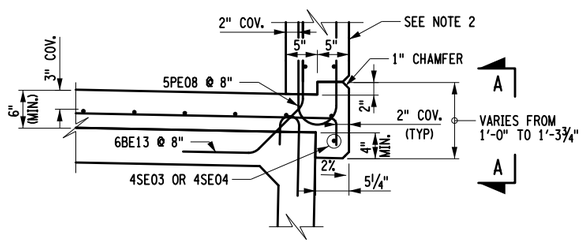


NOTE:
DRIP GROOVE RUNS PERPENDICULAR FROM THE FASCIA BEAM TO THE FASCIA.

ELEVATION A-A
DRIP GROOVE DETAIL
NOT TO SCALE



LEFT FASCIA DETAIL



RIGHT FASCIA DETAIL

NOTES:

1. SEE DWG. NO. ST-23 FOR BRIDGE MOUNTED WATERLINE DETAILS.
2. SEE DWG. NO. ST-28 AND ST-29 FOR PARAPET DETAILS.

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ONEIDA COUNTY 1798 NEW YORK

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD0040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STRUCTURAL

TRANSVERSE SECTION

ST-18

SHEET 50 OF 74

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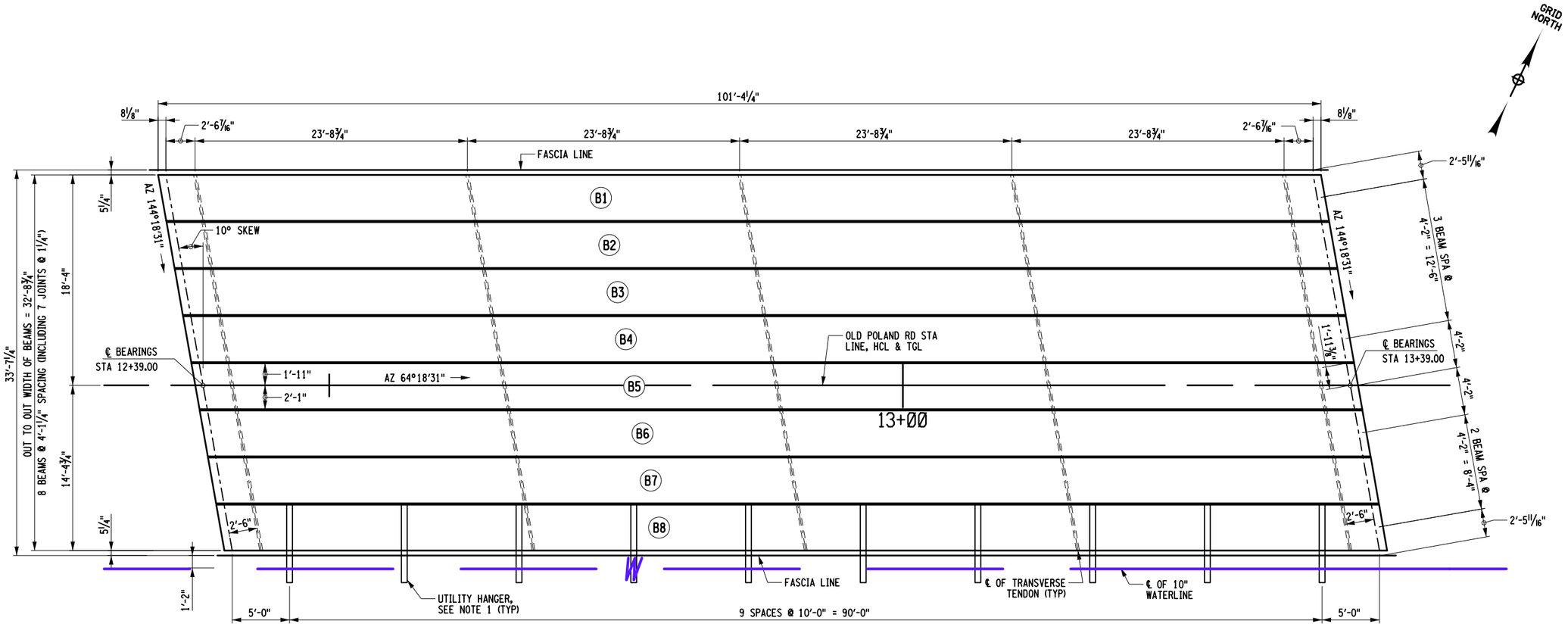

BEAM LAYOUT PLAN

NOTES:

1. SEE DWG. NO. ST-23 FOR BRIDGE MOUNTED WATER LINE DETAILS.

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BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: P. DIMARCO

STRUCTURAL

BEAM LAYOUT PLAN

STATE OF NEW YORK
JAMES F. CRAIG
EXCELSIOR
078434
LICENSED PROFESSIONAL ENGINEER

ST-19

SHEET 51 OF 74

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3/30/2026
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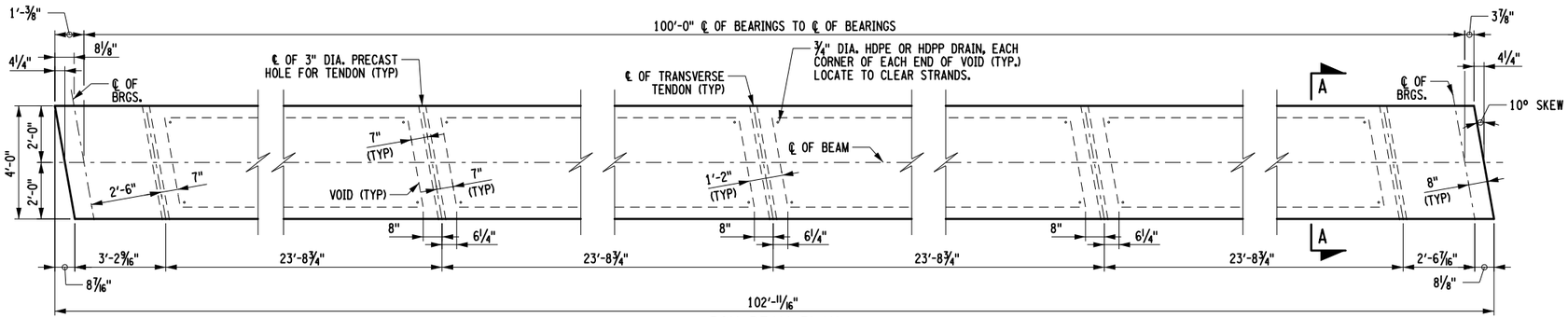
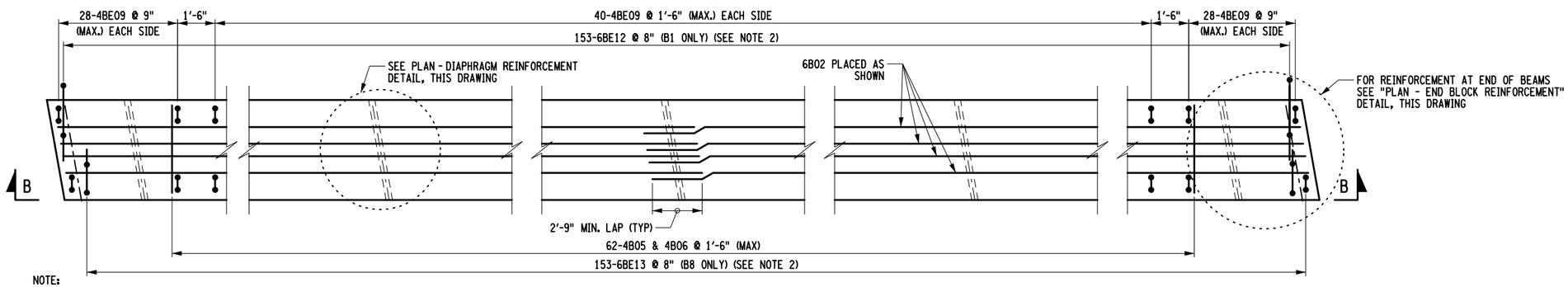
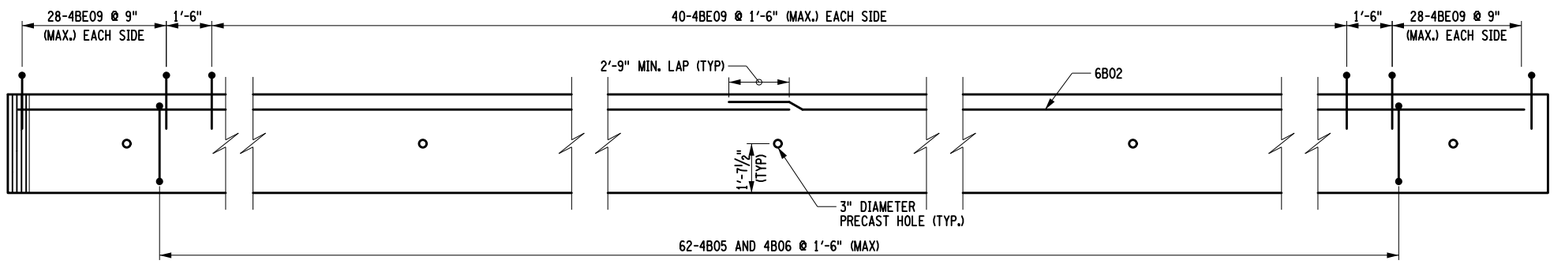


BOX BEAM PLAN
NOT TO SCALE

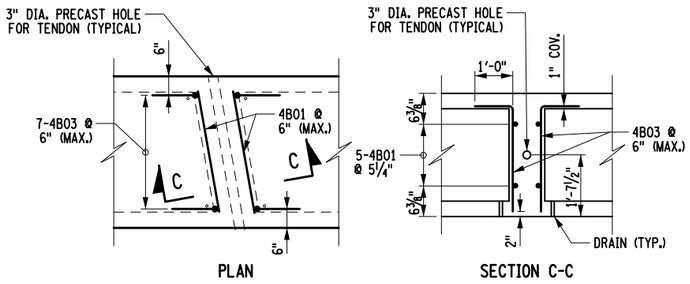


NOTE:
STRANDS NOT SHOWN FOR CLARITY, SEE BEAM END BLOCK REINFORCEMENT AND DIAPHRAGM REINFORCEMENT DETAILS FOR MORE INFORMATION.

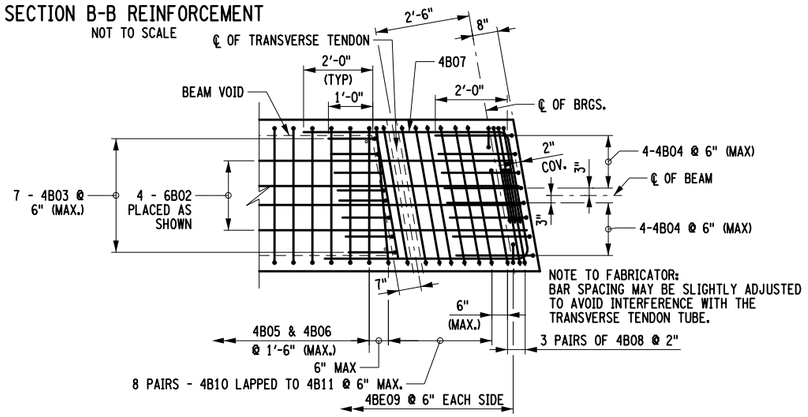
REINFORCEMENT PLAN - BOX BEAM
NOT TO SCALE



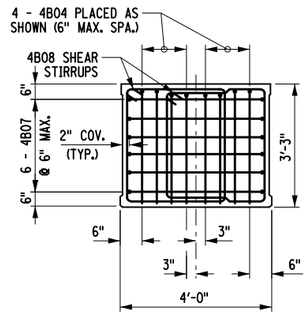
SECTION B-B REINFORCEMENT
NOT TO SCALE



DIAPHRAGM REINFORCEMENT
NOT TO SCALE



PLAN - END BLOCK REINFORCEMENT
NOT TO SCALE



END BLOCK REINFORCEMENT
NOT TO SCALE

NOTES:

1. SEE DWG. NO. ST-21 FOR SECTION A-A.
2. SEE DWG. NO. ST-18 FOR PARAPET REINFORCEMENT IN FASCIA BEAMS.
3. ALL BAR REINFORCEMENT EMBEDDED IN OR PROTRUDING FROM THE PRESTRESSED BEAMS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PRESTRESSED BEAMS INCLUDING CONCRETE BARRIER BARS.

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BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: P. DIMARCO

STRUCTURAL

BEAM DETAILS (1 OF 4)

ST-20

SHEET 52 OF 74

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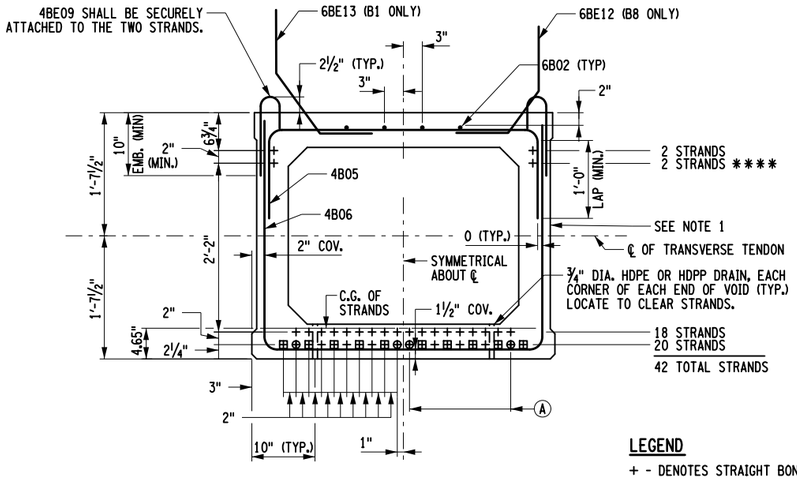
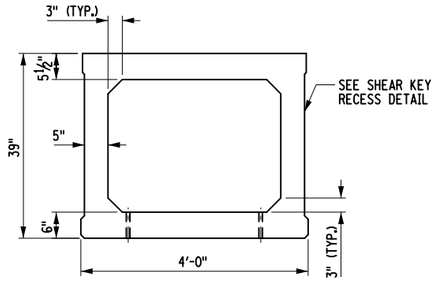


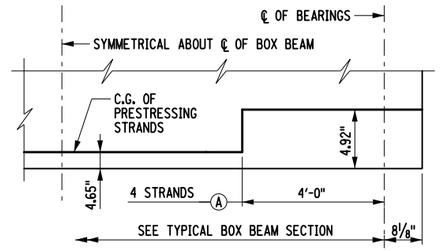
TYPICAL BOX BEAM SECTION
SECTION A-A
NOT TO SCALE

LEGEND

\+ - DENOTES STRAIGHT BONDED STRANDS
⊞ - STRANDS TO EXTEND 2'-8" INTO C.I.P. BACKWALL CONCRETE
⊕ - DENOTES DEBONDED STRANDS
**** - THESE STRANDS SHALL BE TENSIONED TO A JACKING FORCE OF 2.2 KIPS.



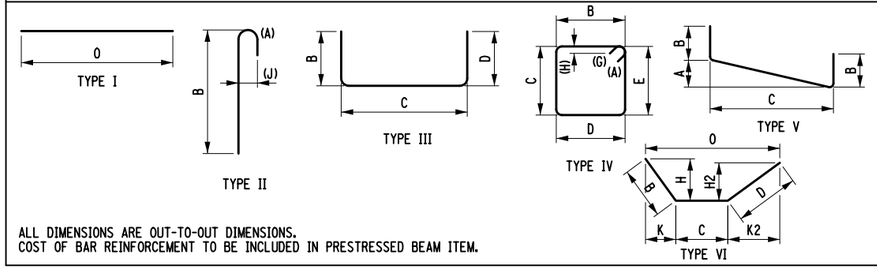
B48" x 39"
NOT TO SCALE



SCHEMATIC DETAIL FOR DEBONDED STRANDS
NOT TO SCALE

PRESTRESSED CONCRETE BOX BEAM REINFORCEMENT

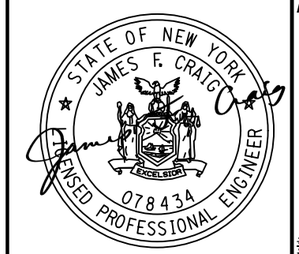
	MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H	H2	J	K	K2	O	R
4'-0" BEAM	4B01	40	3'-2"	I	85													3'-2"	
	6B02	8	51'-11"	I	624													51'-11"	
	4B03	56	3'-8½"	III	139		1'-0"	2'-8½"	0										
	4B04	16	4'-11"	III	53		2'-0"	2'-11"	0										
	4B05	62	5'-8"	III	235		1'-0"	3'-8"	1'-0"										
	4B06	62	9'-7"	III	397		2'-11½"	3'-8"	2'-11½"										
	4B07	12	14'-11½"	V	120	¾"	5'-7¾"	3'-7"											
	4B08	12	12'-3"	IV	99	4½"	2'-10"	2'-11"	2'-10"	2'-11"		4½"	3"						
	4BE09	192	1'-9"	II	224	8"	1'-1"								4"				
	4B10	16	5'-8½"	III	62		1'-0"	3'-8½"	1'-0"										
	4B11	16	9'-7½"	III	103		2'-11½"	3'-8½"	2'-11½"										
	6BE12	153	5'-1½"	VI	1178		2'-0"	2'-1½"	1'-0"				1'-5¼"	8½"		1'-4¾"	8½"	4'-2½"	
	6BE13	153	4'-1"	VI	939		1'-¾"	1'-¼"	2'-0"				8½"	1'-5¼"		9½"	1'-4¾"	3'-2½"	
TOTAL PLAIN BARS					1917 lb. PER BEAM														
TOTAL EPOXY BARS					2341 lb. PER BEAM														



ALL DIMENSIONS ARE OUT-TO-OUT DIMENSIONS.
COST OF BAR REINFORCEMENT TO BE INCLUDED IN PRESTRESSED BEAM ITEM.

NOTES:

1. SEE DWG. NO. ST-22 FOR SHEAR KEY DETAILS.
2. THE PRESTRESSING STRANDS SHALL BE 0.6" DIA. LOW RELAXATION STEEL STRAND WITH A GUARANTEED ULTIMATE STRENGTH OF 270ksi.
   JACKING FORCE = 43.9 KIPS PER STRAND
   REQUIRED MINIMUM CONCRETE STRENGTH AT TRANSFER = 7 KSI.
   REQUIRED MINIMUM CONCRETE STRENGTH AT 56 DAYS = 10 KSI.
   THE ALLOWABLE TENSION IN THE PRESTRESSED CONCRETE UNITS:
   AT TRANSFER = 0.2 KSI.
   AT SERVICE LIMIT STATE = 0.28 KSI. (HL-93)
3. ALL EXPOSED CORNERS, EXCEPT THE TOP, SHALL BE CHAMFERED ¾ IN.
4. ALL TEMPORARY INSERTS SHALL BE APPROVED BY THE ENGINEER AND DETAILED ON THE PRESTRESSED CONCRETE "SHOP DRAWINGS".
5. PRESTRESSING STRANDS CUT FLUSH WITH THE END OF THE BEAM OR EXTENDED FOR INTEGERAL ABUTMENT APPLICATIONS SHALL BE PROTECTED AGAINST CORROSION BY THE APPLICATION OF ZINC PAINT IN ACCORDANCE WITH THE "REPAIR" PORTION OF THE NYS STANDARD SPECIFICATION SECTION 719.01. THE COST OF COATING THE STRANDS SHALL BE INCLUDED IN THE PRICE BID FOR THE BEAM ITEM.
6. BAR REINFORCEMENT SHALL BE ASTM A615, GRADE 60.
7. THE TOPS OF PRESTRESSED UNITS SHALL RECEIVE A TRANSVERSE ROUGHENED FINISH WITH AN AMPLITUDE OF ¼ IN.
8. SEE DWG. NO. ST-18 FOR PARAPET REINFORCEMENT IN FASCIA BEAMS.



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ONEIDA COUNTY NEW YORK 1798

PIN 2754.67
BIN 2205960

REPLACEMENT OF
OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
		REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: P. DIMARCO

STRUCTURAL

BEAM DETAILS (2 OF 4)

ST-21
SHEET 53 OF 74

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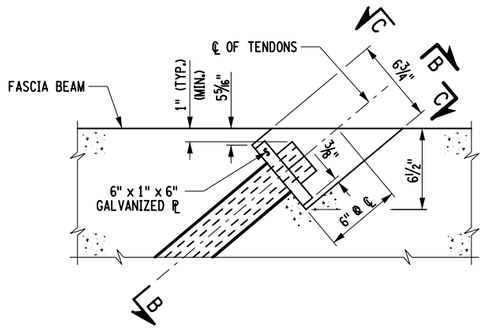
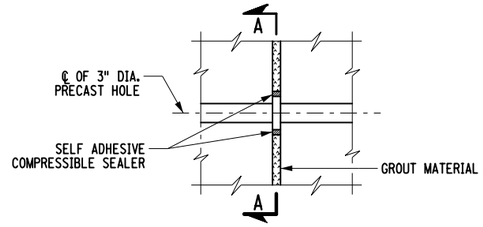


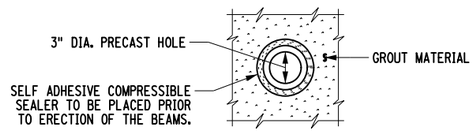
PLAN - TRANSVERSE TENDON RECESS DETAIL
NOT TO SCALE

NOTES:

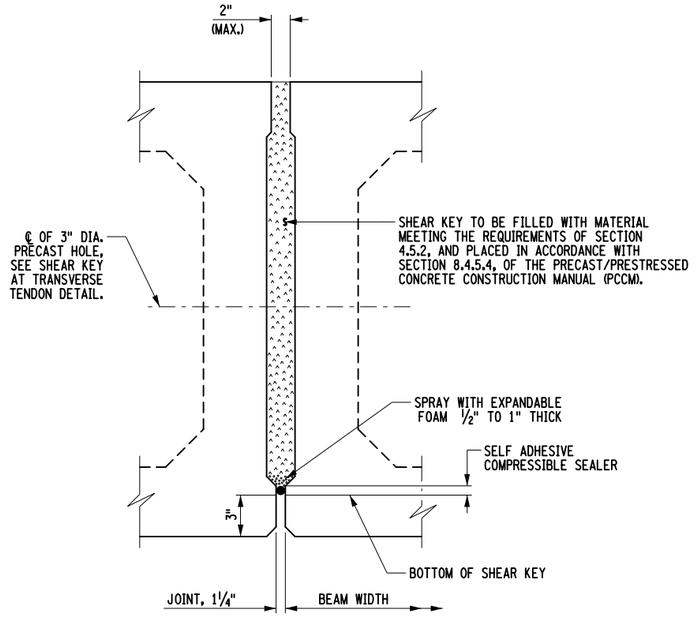
1. 6" x 1" x 6" GALVANIZED (ASTM A36) PLATES SHALL BE PERPENDICULAR TO THE LONGITUDINAL AXIS OF THE TENDON IN ALL PLANES AND SHALL HAVE THREE HOLES TO ACCOMMODATE STRANDS.
2. NO SEALER APPLIED TO THE RECESS FOR TRANSVERSE TENDONS.
3. BAR REINFORCEMENT NOT SHOWN FOR CLARITY.



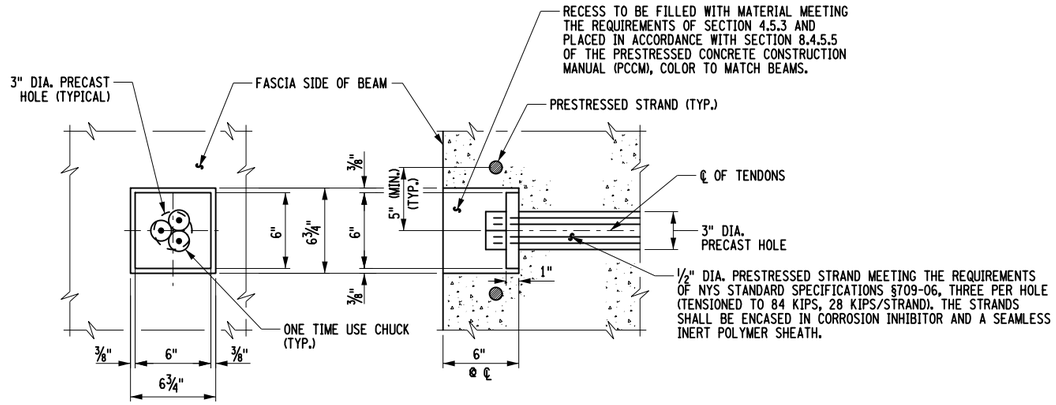
SHEAR KEY AT TRANSVERSE TENDON DETAIL
NOT TO SCALE



SECTION A-A
NOT TO SCALE

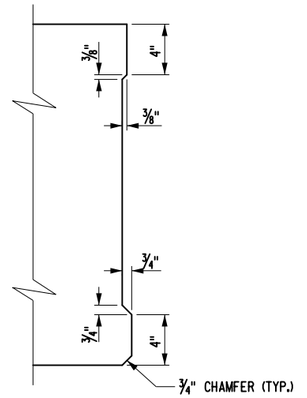


BOX BEAM SHEAR KEY DETAIL
NOT TO SCALE



SECTION C-C
NOT TO SCALE

SECTION B-B
NOT TO SCALE



SHEAR KEY RECESS DETAIL
NOT TO SCALE

NOTES:

1. OMIT SHEAR KEY FROM OUTSIDE OF FASCIA BEAMS.

SEQUENCE OF SUPERSTRUCTURE CONSTRUCTION

1. PLACE WOOD BLOCKS AS SHOWN ON THE CONTRACT PLANS.
2. PLACE THE BOX BEAMS ON THE WOOD BLOCKS.
3. WASH SHEAR KEYS THOROUGHLY TO REMOVE ANY FOREIGN MATERIAL. INSTALL COMPRESSIBLE SEALER IN THE SHEAR KEYS.
4. GROUT AND CURE THE SHEAR KEYS WITH AN APPROVED GROUT MATERIAL FOLLOWING MANUFACTURER'S INSTRUCTIONS. ALL SHEAR KEYS SHALL BE COMPLETELY FILLED.
5. TENSION TRANSVERSE TENDONS NO SOONER THAN 24 HOURS AFTER BUT WITHIN 21 DAYS AFTER PLACEMENT OF GROUT IN THE LAST SHEAR KEY.
6. CLEAN AND PRE-WET THE TOP SURFACES OF THE BEAMS PRIOR TO PLACING CONCRETE FOR DECK POUR.

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REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
		REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: P. DIMARCO

STRUCTURAL

BEAM DETAILS (3 OF 4)

ST-22
SHEET 54 OF 74

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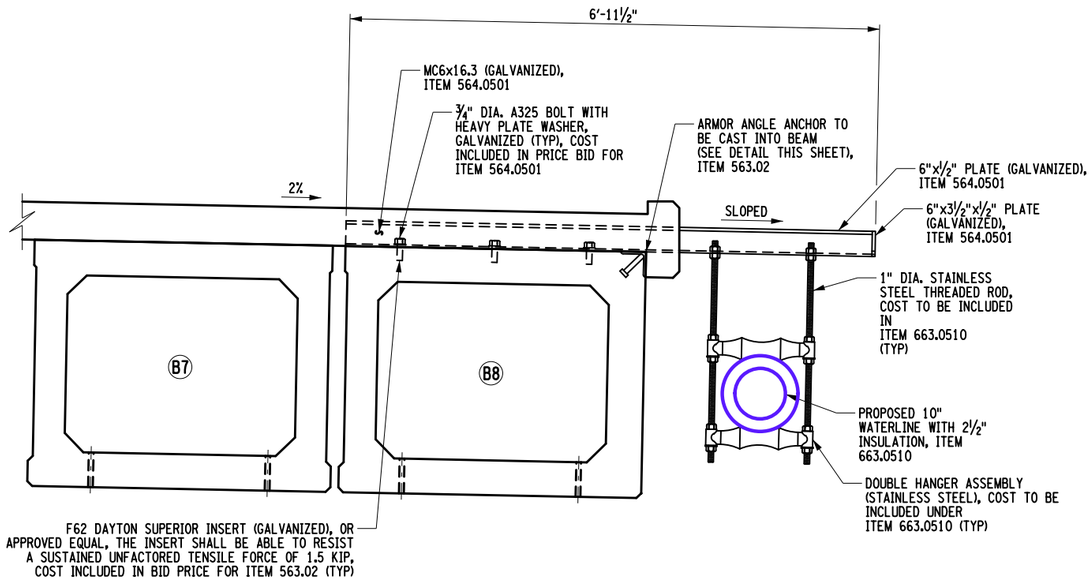
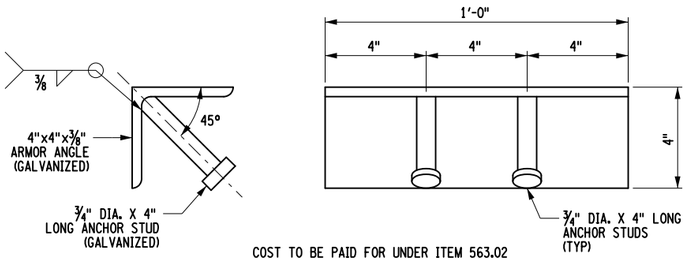


WATERMAIN SUPPORT DETAIL
NOT TO SCALE

NOTES:

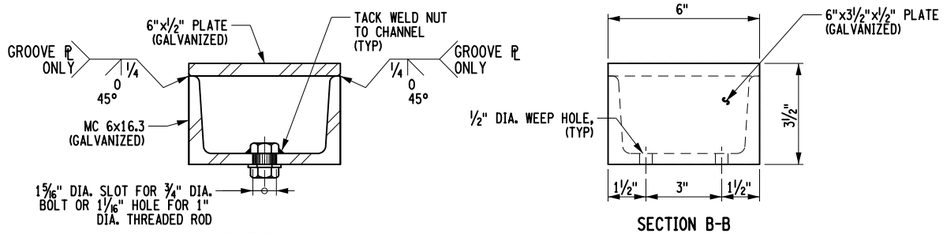
1. ALL UTILITY SUPPORT CHANNELS, INSERTS, ARMOR ANGLES, STEEL CAPS, ANCHOR STUDS, BOLTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH MATERIALS SPEC. 719-01.
2. ALL UTILITY SUPPORT STEEL SHALL BE ASTM A709 GRADE 50.
3. BOLTS TO BE USED WITH INSERTS SHALL BE ASTM A325 TYPE 1 AND SNUG TIGHT.
4. WASHERS SHALL BE ASTM F436.
5. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER IN CONFORMANCE WITH REQUIREMENTS FOR WELDING SPECIFIED IN THE N.Y.S. STEEL CONSTRUCTION MANUAL.
6. FOR SPACING AND LOCATIONS OF SUPPORTS, SEE DRAWING ST-19.
7. FOR WATER LINE INSTALLATION, ALL SUPPORT MATERIAL WILL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNDER ITEM 663.0510.
8. BRIDGE MOUNTED WATER PIPE (ITEM 663.0510) SHALL INCLUDE EXPANSION DEVICES, ROLLERS CHAIRS, INSULATION, HANGER RODS, INSULATION COVERING AND SLEEVES.

THE BRIDGE MOUNTED WATERLINE SHALL NOT BE INSTALLED UNTIL AFTER THE CAST IN PLACE CONCRETE BRIDGE DECK HAS BEEN POURED AND FULLY CURED. NO EXCEPTIONS TO THE SEQUENCE WILL BE MADE.



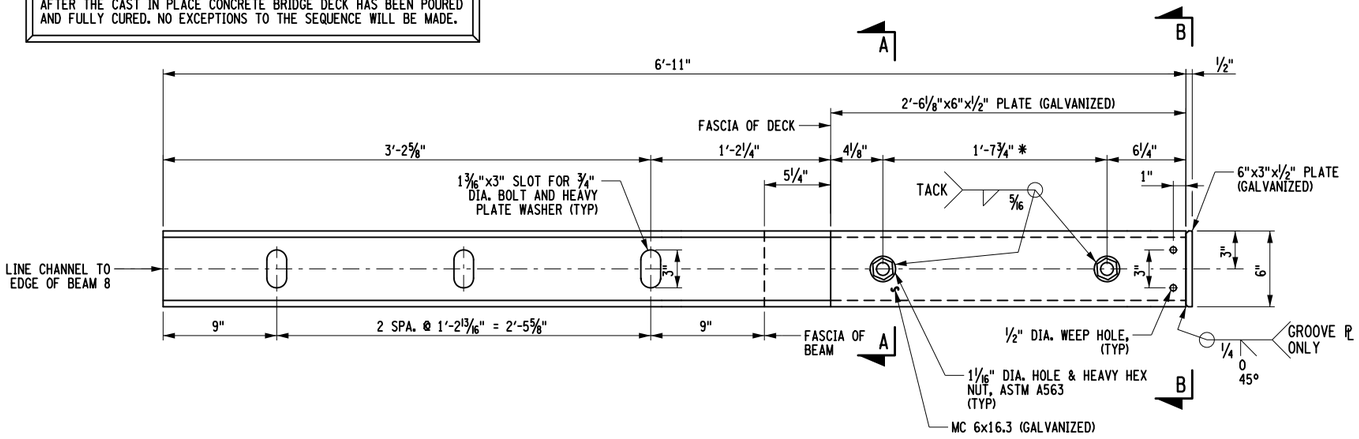
COST TO BE PAID FOR UNDER ITEM 563.02

ARMOR ANGLE DETAIL
NOT TO SCALE



COST TO BE PAID FOR UNDER ITEM 564.0501

SUPPORT CHANNEL DETAIL
NOT TO SCALE



COST TO BE PAID FOR UNDER ITEM 564.0501
SUPPORT CHANNEL TO BE HOT-DIPPED GALVANIZED - PAID FOR UNDER ITEM 564.20010008

SUPPORT CHANNEL PLAN
NOT TO SCALE

* CONTRACTOR TO CONFIRM THREADED ROD SPACING PRIOR TO FABRICATION

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CHECKED BY: P. DIMARCO		

STRUCTURAL

BEAM DETAILS (4 OF 4)

ST-23

SHEET 55 OF 74

STATE OF NEW YORK
JAMES F. CRAIG
EXCELSIOR
078434
LICENSED PROFESSIONAL ENGINEER

bcataldo
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SLAB THICKNESS TABLE		CL BRGS.	0.1 L1	0.2 L1	0.3 L1	0.4 L1	0.5 L1	0.6 L1	0.7 L1	0.8 L1	0.9 L1	CL BRGS.
BEAM B1	A: REQ'D TOP OF DECK ELEV.	775.29	775.25	775.21	775.17	775.13	775.09	775.05	775.01	774.97	774.93	774.89
	B: TOP OF BEAM ELEV. (FIELD MEASURE)											
	C: A - B											
	D: SLAB + S.D.L. DEFLECTION (ft)	0.00	0.04	0.08	0.11	0.13	0.14	0.13	0.11	0.08	0.04	0.00
	E: ACTUAL DECK THICKNESS = C + D (ft)											
	F. THEORETICAL DECK THICKNESS (ft)	0.82	0.69	0.61	0.57	0.54	0.54	0.54	0.57	0.61	0.69	0.82
BEAM B2	A: REQ'D TOP OF DECK ELEV.	775.37	775.33	775.29	775.25	775.21	775.17	775.13	775.09	775.05	775.01	774.97
	B: TOP OF BEAM ELEV. (FIELD MEASURE)											
	C: A - B											
	D: SLAB + S.D.L. DEFLECTION (ft)	0.00	0.04	0.08	0.11	0.13	0.14	0.13	0.11	0.08	0.04	0.00
	E: ACTUAL DECK THICKNESS = C + D (ft)											
	F. THEORETICAL DECK THICKNESS (ft)	0.82	0.69	0.61	0.57	0.54	0.54	0.54	0.57	0.61	0.69	0.82
BEAM B3	A: REQ'D TOP OF DECK ELEV.	775.45	775.41	775.37	775.33	775.29	775.25	775.21	775.17	775.13	775.09	775.05
	B: TOP OF BEAM ELEV. (FIELD MEASURE)											
	C: A - B											
	D: SLAB + S.D.L. DEFLECTION (ft)	0.00	0.04	0.08	0.11	0.13	0.14	0.13	0.11	0.08	0.04	0.00
	E: ACTUAL DECK THICKNESS = C + D (ft)											
	F. THEORETICAL DECK THICKNESS (ft)	0.82	0.69	0.61	0.57	0.54	0.54	0.54	0.57	0.61	0.69	0.82
BEAM B4	A: REQ'D TOP OF DECK ELEV.	775.53	775.49	775.45	775.41	775.37	775.33	775.29	775.25	775.21	775.17	775.13
	B: TOP OF BEAM ELEV. (FIELD MEASURE)											
	C: A - B											
	D: SLAB + S.D.L. DEFLECTION (ft)	0.00	0.04	0.08	0.11	0.13	0.14	0.13	0.11	0.08	0.04	0.00
	E: ACTUAL DECK THICKNESS = C + D (ft)											
	F. THEORETICAL DECK THICKNESS (ft)	0.82	0.69	0.61	0.57	0.54	0.54	0.54	0.57	0.61	0.69	0.82
CENTERLINE	A: REQ'D TOP OF DECK ELEV.	775.60	775.56	775.52	775.48	775.44	775.40	775.36	775.32	775.28	775.24	775.20
	B: TOP OF BEAM ELEV. (FIELD MEASURE)											
	C: A - B											
	D: SLAB + S.D.L. DEFLECTION (ft)	0.00	0.04	0.08	0.11	0.13	0.14	0.13	0.11	0.08	0.04	0.00
	E: ACTUAL DECK THICKNESS = C + D (ft)											
	F. THEORETICAL DECK THICKNESS (ft)	0.86	0.73	0.65	0.61	0.58	0.58	0.58	0.61	0.65	0.73	0.86
BEAM B5	A: REQ'D TOP OF DECK ELEV.	775.60	775.56	775.52	775.48	775.44	775.40	775.36	775.32	775.28	775.24	775.20
	B: TOP OF BEAM ELEV. (FIELD MEASURE)											
	C: A - B											
	D: SLAB + S.D.L. DEFLECTION (ft)	0.00	0.04	0.08	0.11	0.13	0.14	0.13	0.11	0.08	0.04	0.00
	E: ACTUAL DECK THICKNESS = C + D (ft)											
	F. THEORETICAL DECK THICKNESS (ft)	0.85	0.73	0.65	0.60	0.58	0.57	0.58	0.60	0.65	0.73	0.85
BEAM B6	A: REQ'D TOP OF DECK ELEV.	775.52	775.48	775.44	775.40	775.36	775.32	775.28	775.24	775.20	775.16	775.12
	B: TOP OF BEAM ELEV. (FIELD MEASURE)											
	C: A - B											
	D: SLAB + S.D.L. DEFLECTION (ft)	0.00	0.04	0.08	0.11	0.13	0.14	0.13	0.11	0.08	0.04	0.00
	E: ACTUAL DECK THICKNESS = C + D (ft)											
	F. THEORETICAL DECK THICKNESS (ft)	0.81	0.69	0.61	0.56	0.54	0.53	0.54	0.56	0.61	0.69	0.81
BEAM B7	A: REQ'D TOP OF DECK ELEV.	775.43	775.39	775.35	775.31	775.27	775.23	775.19	775.15	775.11	775.07	775.03
	B: TOP OF BEAM ELEV. (FIELD MEASURE)											
	C: A - B											
	D: SLAB + S.D.L. DEFLECTION (ft)	0.00	0.04	0.08	0.11	0.13	0.14	0.13	0.11	0.08	0.04	0.00
	E: ACTUAL DECK THICKNESS = C + D (ft)											
	F. THEORETICAL DECK THICKNESS (ft)	0.81	0.69	0.61	0.56	0.54	0.53	0.54	0.56	0.61	0.69	0.81
BEAM B8	A: REQ'D TOP OF DECK ELEV.	775.35	775.31	775.27	775.23	775.19	775.15	775.11	775.07	775.03	774.99	774.95
	B: TOP OF BEAM ELEV. (FIELD MEASURE)											
	C: A - B											
	D: SLAB + S.D.L. DEFLECTION (ft)	0.00	0.04	0.08	0.11	0.13	0.14	0.13	0.11	0.08	0.04	0.00
	E: ACTUAL DECK THICKNESS = C + D (ft)											
	F. THEORETICAL DECK THICKNESS (ft)	0.81	0.69	0.61	0.56	0.54	0.53	0.54	0.56	0.61	0.69	0.81

F IS THE THEORETICAL THICKNESS OF THE DECK SLAB BASED ON ASSUMED BEAM CAMBER, IT IS SHOWN TO ASSIST IN ESTIMATING THE MINIMUM SLAB THICKNESS AS WELL AS CONCRETE VOLUME.

ALL MEASUREMENTS ARE TAKEN AT THE CENTERLINE OF THE PRECAST UNIT.

NOTES:

1. IT SHALL BE THE FABRICATOR'S RESPONSIBILITY TO MONITOR CAMBER GROWTH AND IMPLEMENT CAMBER GROWTH CONTROL MEASURES (SUCH AS PRE-LOADING OF THE BEAMS IN STORAGE) TO KEEP BEAM CAMBERS WITHIN TOLERANCE SPECIFIED IN THE NYSDOT PRECAST/PRESTRESSED CONCRETE CONSTRUCTION MANUAL.

DESIGN LOAD TABLE		UNIT	REACTION AT ABUTMENT (KIPS)	MAX. MOM. MIDSPAN (KIP-FT)
B1 & B8	DL	BEAM	49.3	1157.6
		DECK	27.3	682.3
	SDL	RAILINGS	4.9	122.7
		SIDEWALK	3.1	78.2
		FUTURE W.S.	4.5	111.5
		WATER MAIN	0.7	16.7
		FUTURE SEWER LINE	0.4	10.0
	LL	HL93+IMPACT	72.4	806.8
B2 TO B7	DL	BEAM	49.3	1157.6
		DECK	27.0	676.0
	SDL	RAILINGS	4.9	122.7
		SIDEWALK	3.1	78.2
		FUTURE W.S.	4.5	111.5
		WATER MAIN	0.7	16.7
		FUTURE SEWER LINE	0.4	10.0
	LL	HL93+IMPACT	60.6	781.5

ASSUME LIVE LOAD = HL-93 FOR LRFD (HS 20 FOR LFD)
ALL LOADS ARE UNFACTORED AND INCLUDE IMPACT.

CAMBER TABLE (MID-SPAN)		BEAMS B1 & B8	BEAMS B2 TO B7
CAMBER DUE TO PRESTRESSED FORCE AND BEAM DEAD LOAD AT TRANSFER	↑	0.240 FT	0.240 FT
CAMBER DUE TO PRESTRESSED FORCE AND BEAM DEAD LOAD WITH GROWTH **	↑	0.360 FT	0.360 FT
DEFLECTION DUE TO SLAB DEAD LOAD	↓	0.105 FT	0.105 FT
DEFLECTION DUE TO SUPERIMPOSED DEAD LOAD	↓	0.035 FT	0.040 FT

** CAMBER GROWTH IS ASSUMED TO BE 50% OF THE CAMBER AT TRANSFER. FWS AND FUTURE SEWER LINE INCLUDED IN CAMBER.

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ONEIDA COUNTY 1798 NEW YORK

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: P. DIMARCO

STRUCTURAL

SLAB THICKNESS AND DESIGN LOAD TABLES

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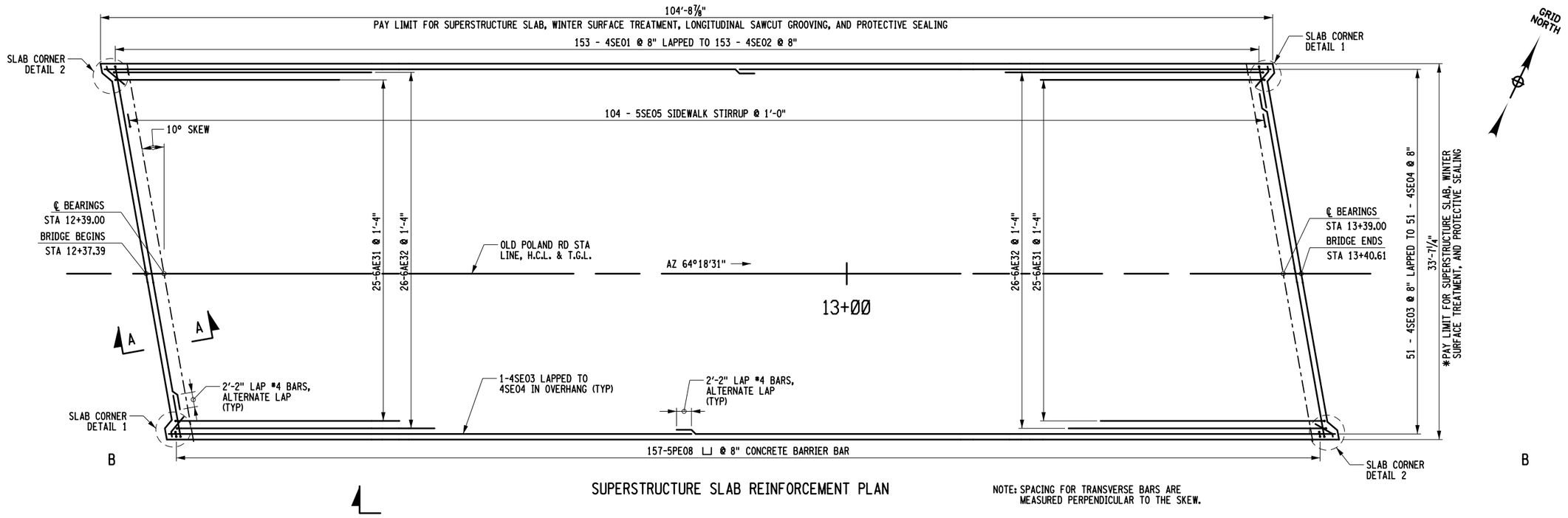
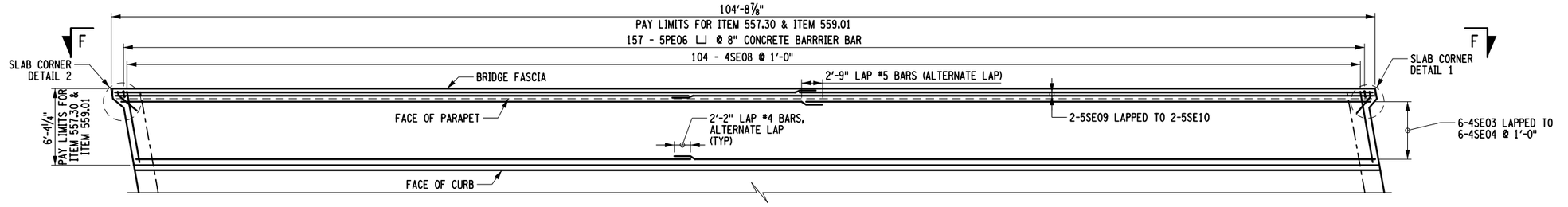


SUPERSTRUCTURE SLAB REINFORCEMENT PLAN

NOTE: SPACING FOR TRANSVERSE BARS ARE MEASURED PERPENDICULAR TO THE SKEW.



SIDEWALK REINFORCEMENT PLAN

SUPERSTRUCTURE SLAB TABLE			
SUPERSTRUCTURE SLAB (SY) ITEM 557.1219 AND WINTER SURFACE TREATMENT (SY) ITEM 557.29	SIDEWALKS AND SAFETY WALKS (SY) ITEM 557.30	LONGITUDINAL SAWCUT GROOVING (SY) ITEM 558.02	PROTECTIVE SEALING OF NEW DECKS (SF) ITEM 559.01
385.8	73.1	298	5,276

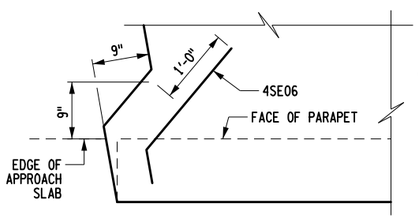
* FOR TRANSVERSE LIMITS OF LONGITUDINAL SAWCUT GROOVING AND PROTECTIVE SEALING ITEMS, REFER TO THE TRANSVERSE SECTION DRAWING.

DECK PLACEMENT NOTES:

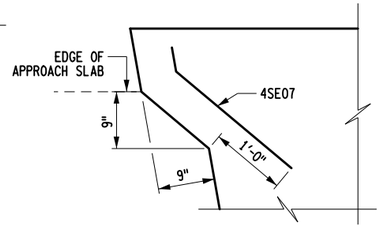
1. CONCRETE PLACEMENT AND FINISHING SHALL BE PERFORMED AS RAPIDLY AS POSSIBLE. THE ENGINEER MAY ORDER THE CONTRACTOR TO STOP PLACEMENT AT ANY TIME. IF IN THE ENGINEERS OPINION, CONCRETE PLACED DURING PLACEMENT HAS STARTED TO SET, OR IS ABOUT TO SET, AND FURTHER PLACEMENT WILL CAUSE DEFLECTION CRACKING.
2. LONGITUDINAL CONSTRUCTION JOINTS WILL NOT BE PERMITTED.
3. WET BURLAP CURING BLANKETS ARE REQUIRED TO BE PLACED ON THE CONCRETE DECK WITHIN 30 MINUTES OF THE CONCRETE BEING DEPOSITED INTO THE FORMS OR 5 MINUTES AFTER FINISHING, WHICHEVER COMES FIRST. THE PLACEMENT OF THE BROOM FINISH TEXTURE SHALL NOT INTERFERE WITH THESE REQUIREMENTS.
4. THE CONTRACTOR SHALL OPERATE FINISHING MACHINE(S) AS CLOSE TO THE SKEW ANGLE AS PRACTICABLE FOR SKEW ANGLES BETWEEN 0° AND 35°.
5. IF THE CONTRACTOR'S DECK PLACEMENT OPERATION IS STOPPED PRIOR TO COMPLETION, WHETHER BY THE CONTRACTOR'S DECISION OR BY DIRECTION OF THE ENGINEER, THE CONTRACTOR SHALL PROVIDE A FINISHED DECK GRADE WHICH MATCHES THE PLANNED PROFILE. ANY SUBSEQUENT REVISIONS TO DECK FORMS MADE NECESSARY BY SUCH ACTION SHALL BE AT NO COST TO THE COUNTY.
6. ALL PRESTRESSED CONCRETE BRIDGE BEAMS SHALL HAVE A MINIMUM AGE OF 60 DAYS AT THE TIME OF CONCRETE DECK PLACEMENT.

NOTES:

1. (E) DENOTES EPOXY COATED BARS.
2. SEE DWG. NOS. ST-28 AND ST-29 FOR PARAPET DETAILS AND SECTIONS B-B AND F-F.
3. SEE DWG. NO. ST-16 FOR SECTION A-A.
4. IT SHALL BE NOTED THAT THE DECK THICKNESS VARIES ALONG THE LENGTH OF THE BEAM (SEE SLAB THICKNESS TABLE ON DWG. NO. ST-24). CLEAR COVER TO TOP OF SLAB OF 3" SHALL BE MAINTAINED FOR FULL LENGTH OF DECK.



SLAB CORNER DETAIL 1
NOT TO SCALE



SLAB CORNER DETAIL 2
NOT TO SCALE

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BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STRUCTURAL

SUPERSTRUCTURE SLAB

ST-25

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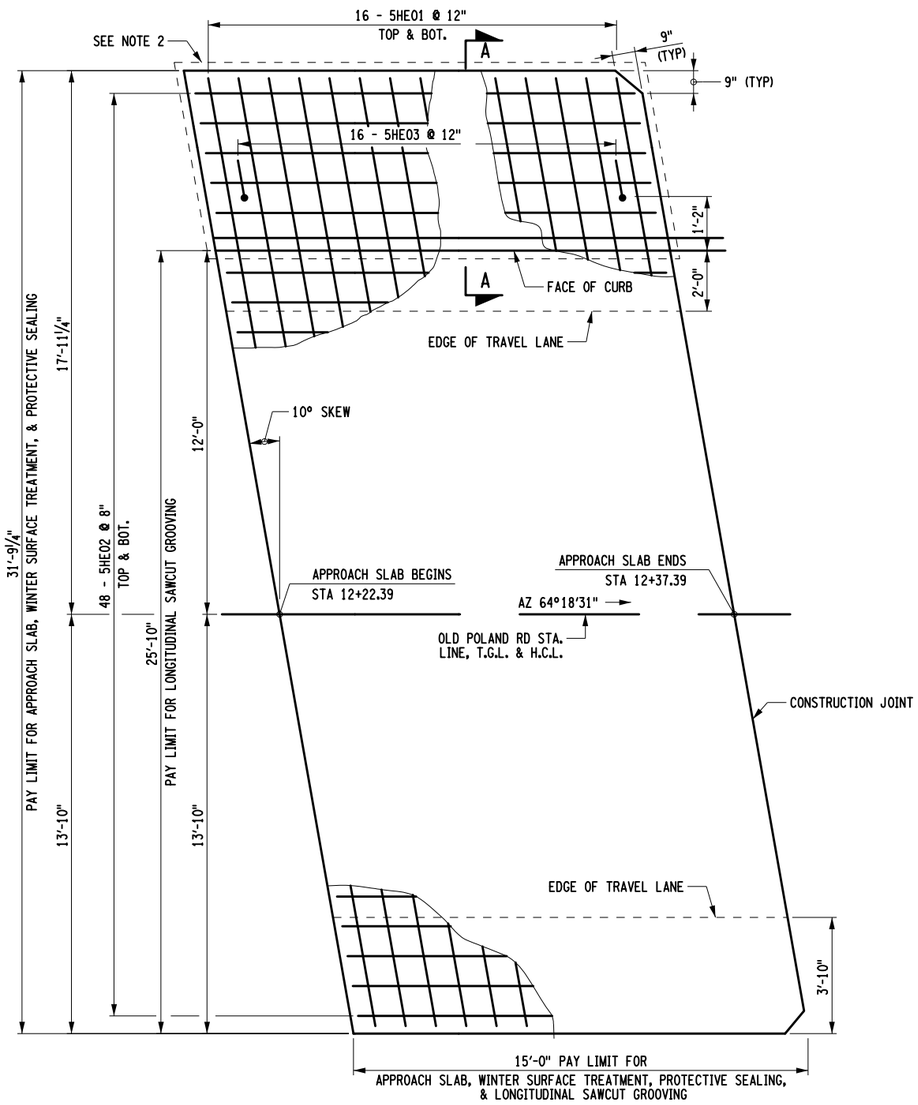
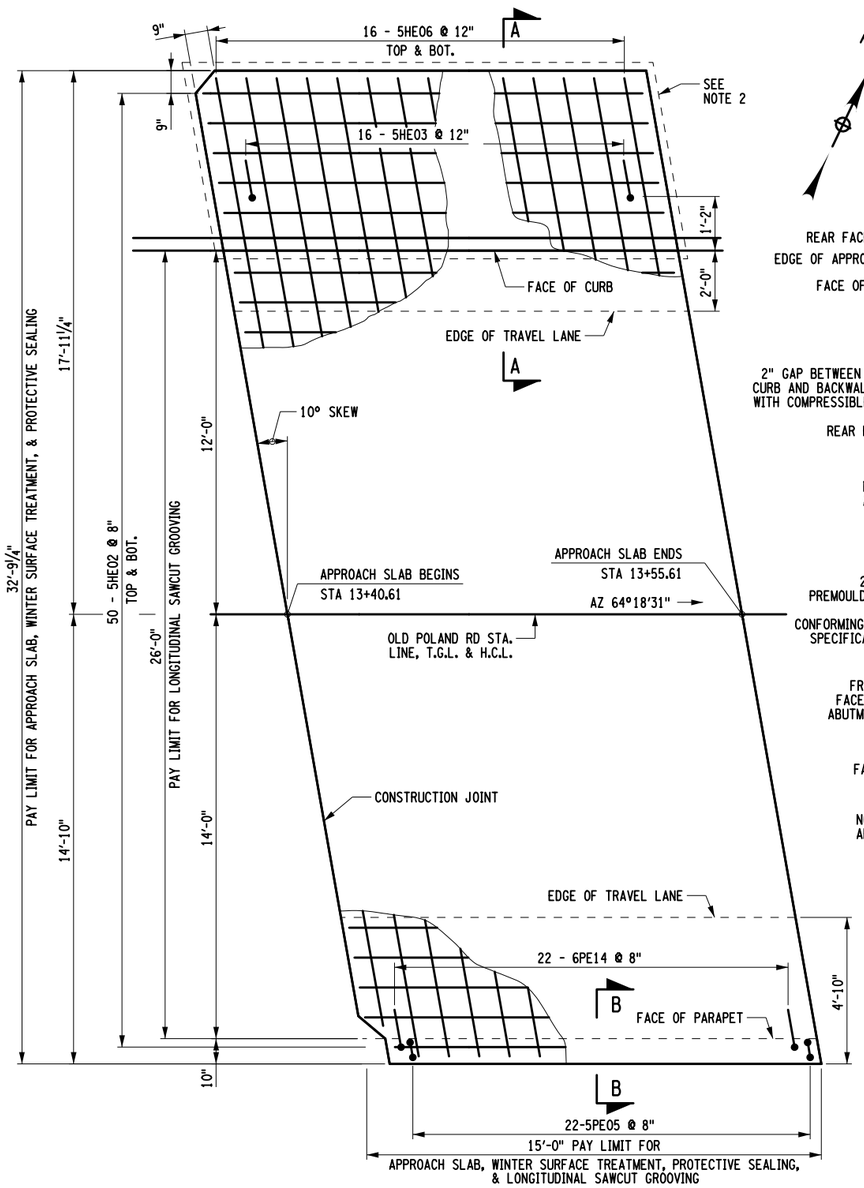
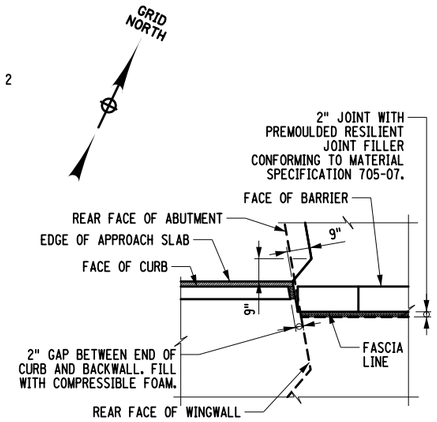


PLAN - BEGIN APPROACH SLAB

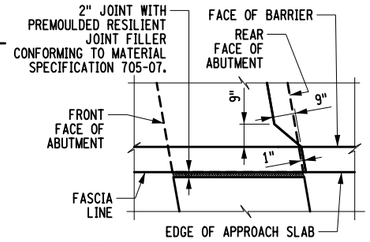


PLAN - END APPROACH SLAB



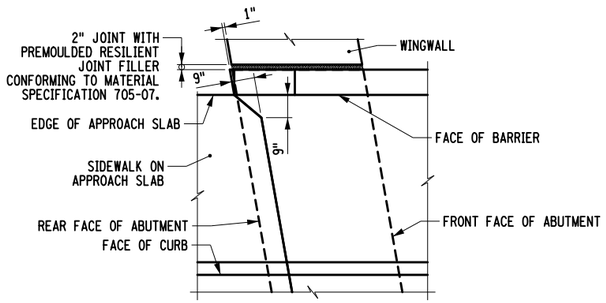
NOTE:
APPROACH RAILING AND REINFORCEMENT NOT SHOWN.

APPROACH SLAB CORNER DETAIL
BEGIN RIGHT



NOTE:
APPROACH RAILING AND REINFORCEMENT NOT SHOWN.

APPROACH SLAB CORNER DETAIL
END RIGHT



NOTE:
APPROACH RAILING AND REINFORCEMENT NOT SHOWN.

APPROACH SLAB CORNER DETAIL
BEGIN LEFT SHOWN (END LEFT SIMILAR)

APPROACH SLAB TABLE					
LOCATION	CONCRETE ITEM 557.1019 (SY)	LONGITUDINAL SAWCUT GROOVING ITEM 558.02 (SY)	PROTECTIVE SEALER ITEM 559.01 (SF)	WINTER SURFACE TREATMENT ITEM 557.29 (SY)	SIDEWALKS AND SAFETY WALKS ITEM 557.30 (SY)
BEGIN APPROACH SLAB	52.9	43	476	52.9	9.2
END APPROACH SLAB	54.5	43	590	54.5	9.2

NOTES:

1. (E) DENOTES EPOXY COATED BARS.
2. SEE DWG. NO. ST-27 FOR SIDEWALK DETAILS AND SECTION B-B.
3. SEE DWG. NO. ST-27 FOR LONGITUDINAL SECTIONS.
4. ALL REINFORCEMENT SHALL HAVE 3" COVER UNLESS OTHERWISE NOTED.

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ONEIDA COUNTY NEW YORK 1798

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

PIN 2754.67
BIN 2205960

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STRUCTURAL

APPROACH SLAB PLAN

ST-26

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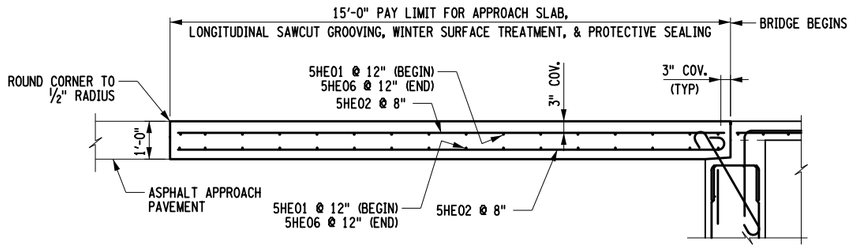
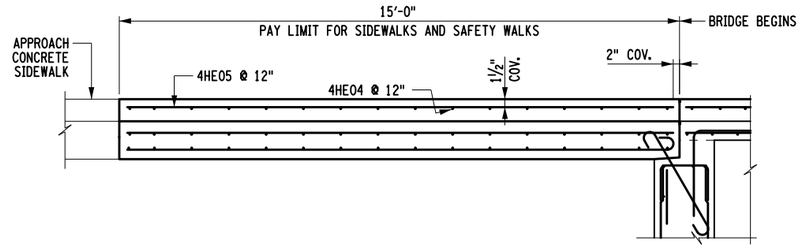
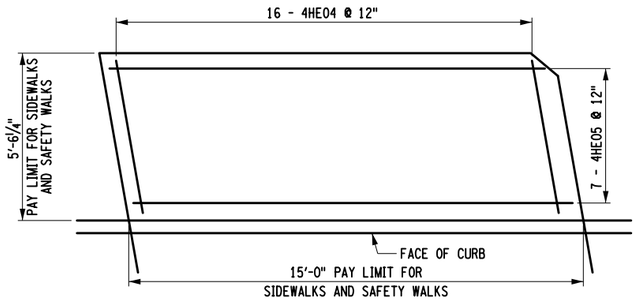


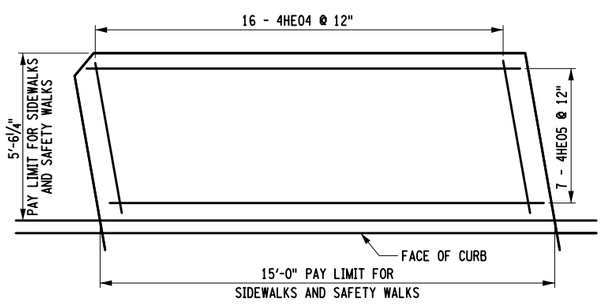
APPROACH SLAB LONGITUDINAL SECTION - WITHOUT SIDEWALK
BEGIN SHOWN (END SIMILAR)



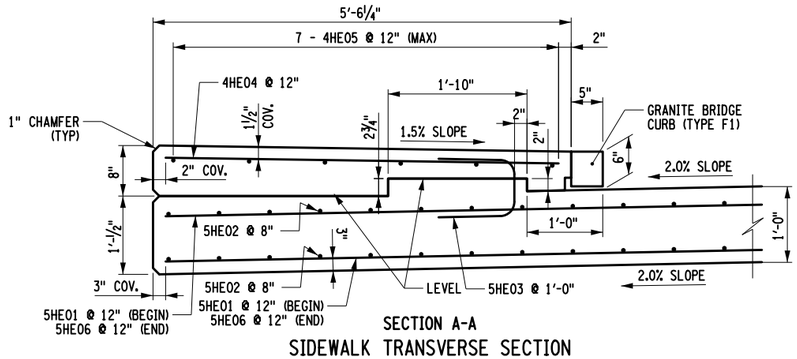
APPROACH SLAB LONGITUDINAL SECTION - WITH SIDEWALK
BEGIN SHOWN (END SIMILAR)



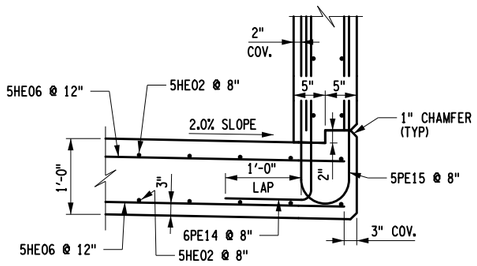
PLAN - BEGIN LEFT APPROACH SLAB SIDEWALK



PLAN - END LEFT APPROACH SLAB SIDEWALK



SECTION A-A
SIDEWALK TRANSVERSE SECTION



SECTION B-B
PARAPET CONNECTION TO APPROACH
SLAB TRANSVERSE SECTION

NOTES:

1. (E) DENOTES EPOXY COATED BARS.
2. SEE DWG. NO. ST-28 FOR PARAPET REINFORCEMENT.

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REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
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DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STRUCTURAL

APPROACH SLAB SECTIONS

ST-27
SHEET 59 OF 74

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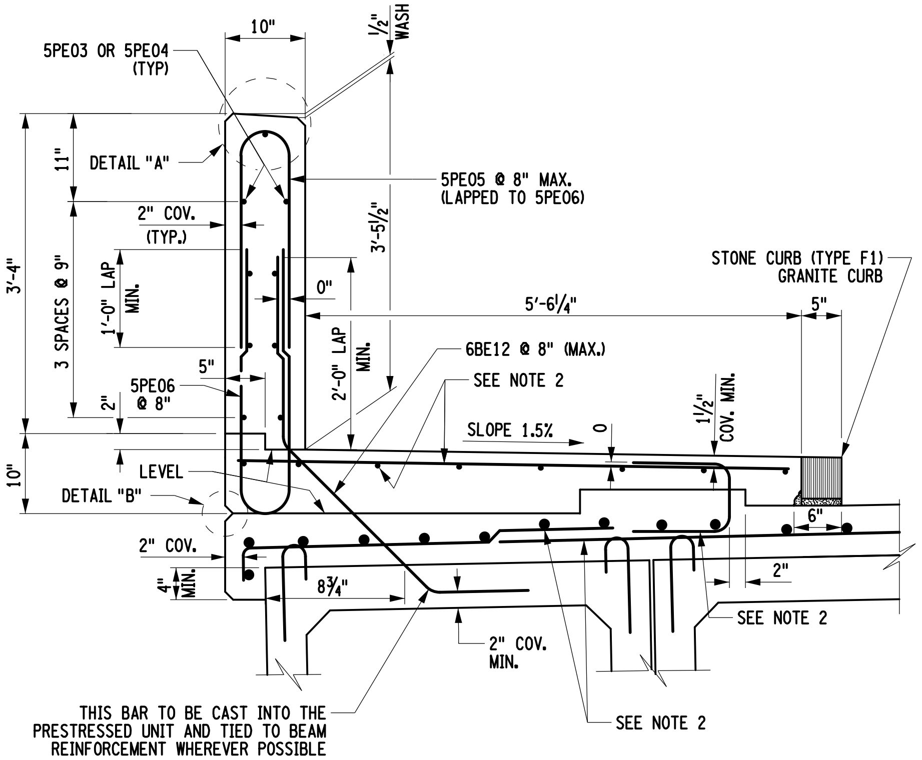
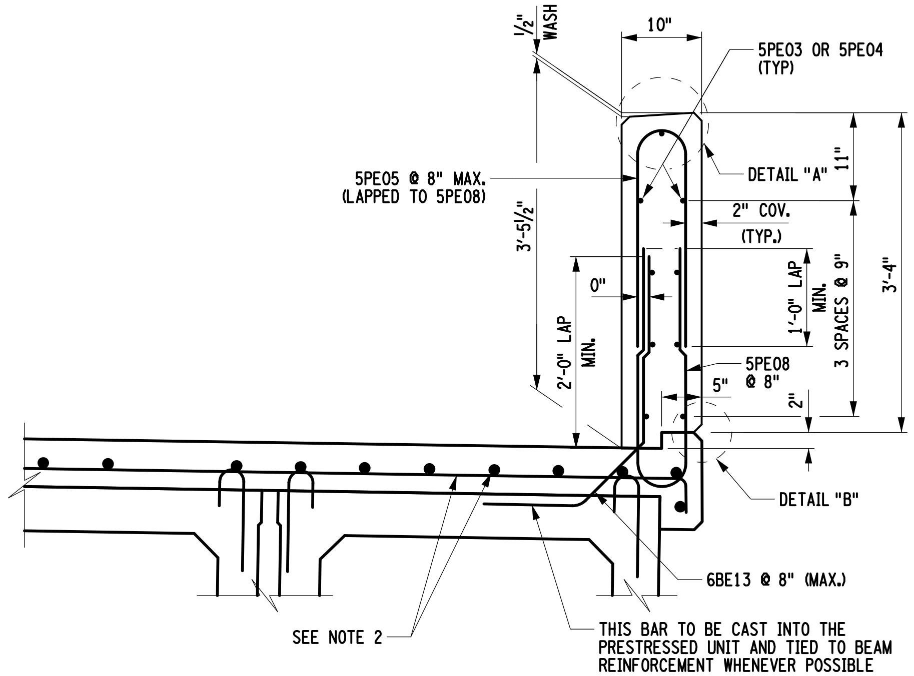
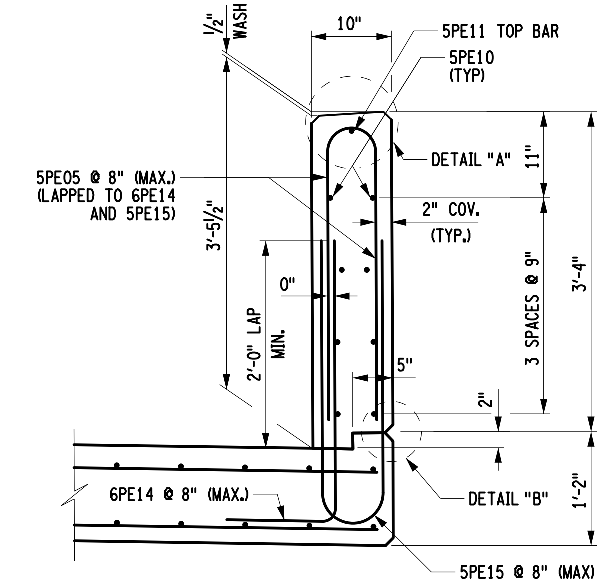


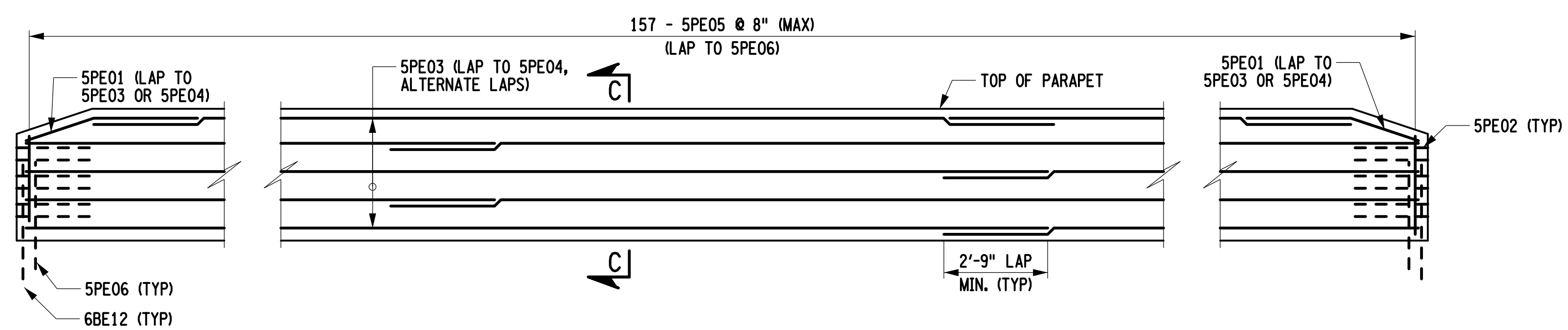
SECTION C-C



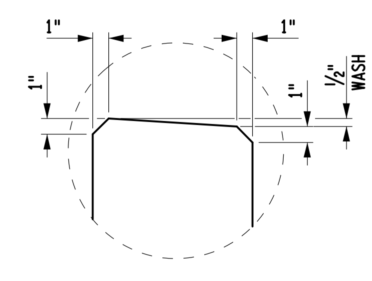
SECTION D-D



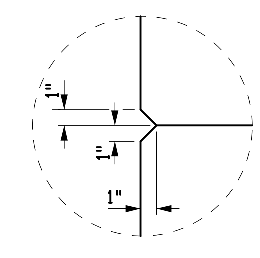
SECTION E-E



EXTERIOR CONCRETE PARAPET REINFORCEMENT ELEVATION F-F



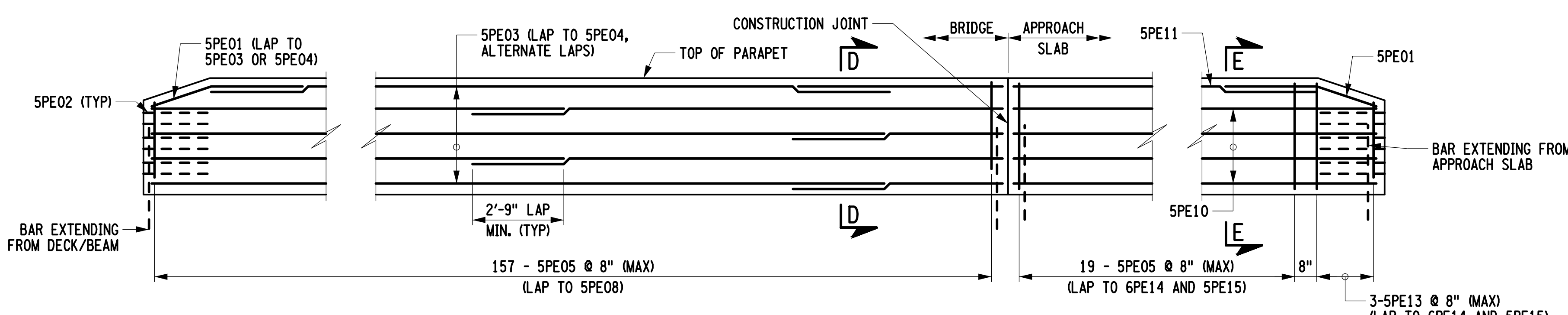
DETAIL "A"



DETAIL "B"

NOTES:

1. SEE DWG. NO. ST-25 FOR ELEVATIONS B-B AND F-F.
2. SEE DWG. NO. ST-25 FOR BRIDGE DECK SLAB AND SIDEWALK REINFORCEMENT.



EXTERIOR CONCRETE PARAPET REINFORCEMENT ELEVATION B-B

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ONEIDA COUNTY NEW YORK 1798

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

PIN 2754.67
BIN 2205960

LD040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: M. MIECZKOWSKI
CHECKED BY: J. CRAIG

STRUCTURAL

CONCRETE PARAPET DETAILS (1 OF 2)

ST-28

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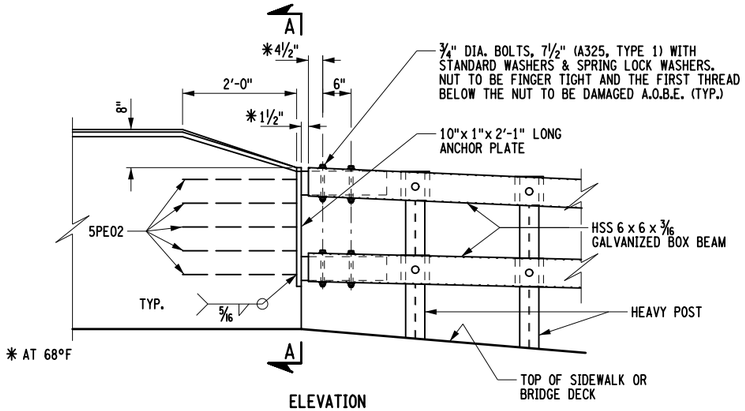
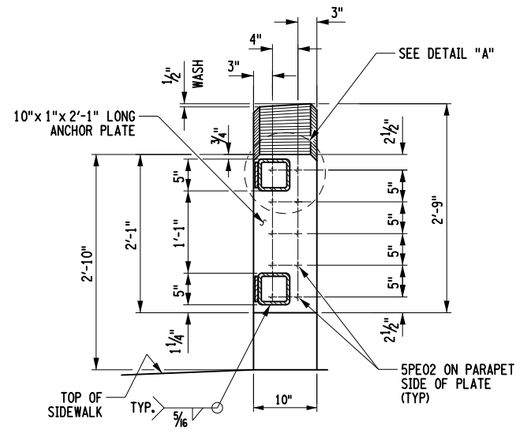
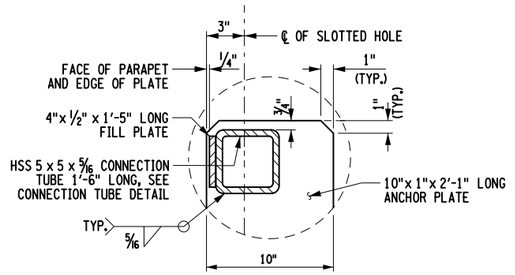


ELEVATION

END CONNECTION DETAIL



SECTION A-A



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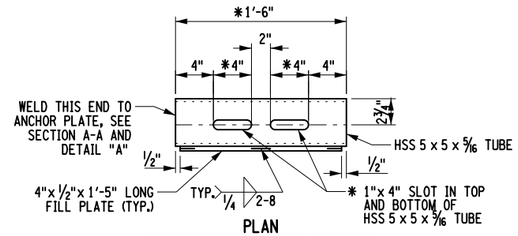
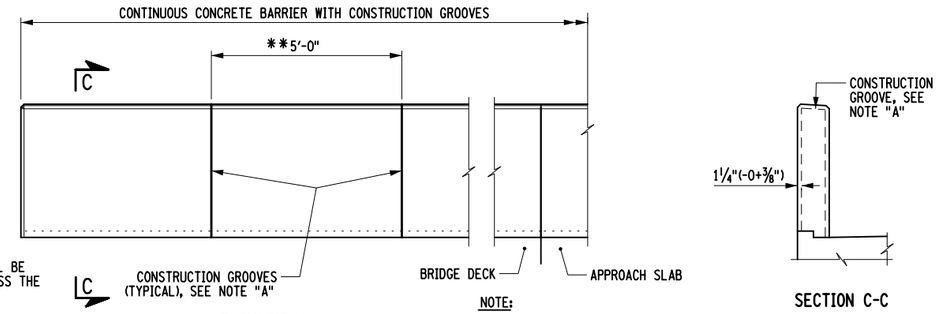


PLAN

CONNECTION TUBE DETAIL



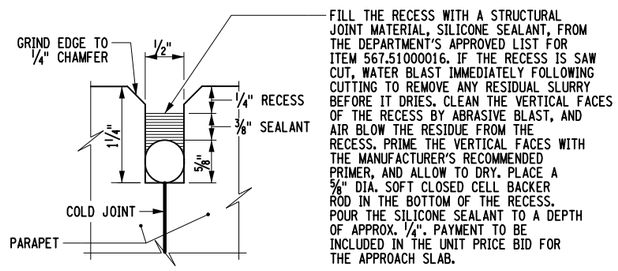
ELEVATION

CONCRETE BARRIER GROOVE SPACING

SECTION C-C

NOTE:

(E) DENOTES EPOXY COATED BARS.



FILL THE RECESS WITH A STRUCTURAL JOINT MATERIAL, SILICONE SEALANT, FROM THE DEPARTMENT'S APPROVED LIST FOR ITEM 567.51000016. IF THE RECESS IS SAW CUT, WATER BLAST IMMEDIATELY FOLLOWING CUTTING TO REMOVE ANY RESIDUAL SLURRY BEFORE IT DRIES. CLEAN THE VERTICAL FACES OF THE RECESS BY ABRASIVE BLAST, AND AIR BLOW THE RESIDUE FROM THE RECESS. PRIME THE VERTICAL FACES WITH THE MANUFACTURER'S RECOMMENDED PRIMER, AND ALLOW TO DRY. PLACE A ⅝" DIA. SOFT CLOSED CELL BACKER ROD IN THE BOTTOM OF THE RECESS. POUR THE SILICONE SEALANT TO A DEPTH OF APPROX. ¼". PAYMENT TO BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH SLAB.

JOINT RECESS DETAIL

NOTE "A":

CONSTRUCTION GROOVES SHALL BE MADE BY:
1. FORMING FOR CAST-IN-PLACE CONSTRUCTED FORMS.
2. SAWING THE SET CONCRETE WITHIN 8 HOURS OF PLACEMENT FOR CAST-IN-PLACE SLIP FORMED.
3. CUTTING THE PLASTIC CONCRETE.

COMBINATION OF THESE METHODS MAY BE EMPLOYED.
THE DEPTH OF THE GROOVES SHALL BE 1¼"(-0+⅜").
FORMED GROOVES SHALL MAKE A 60° ANGLE WITH THE SURFACE.
CUT GROOVES SHALL BE FINISHED WITH SHALLOW (¾"± ¼") CONSTANT DEPTH 45° CHAMFERS AT THE SURFACE.
THE LONGITUDINAL REINFORCING BARS FOR THE CONCRETE BARRIERS SHALL BE CONTINUOUS BETWEEN BRIDGE EXPANSION JOINTS. WHERE SPLICES ARE REQUIRED, THE LENGTH OF THE LAP SHALL BE SUFFICIENT TO DEVELOP EACH BAR.

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LD040485

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STRUCTURAL

CONCRETE PARAPET DETAILS (2 OF 2)

ST-29

SHEET 61 OF 74

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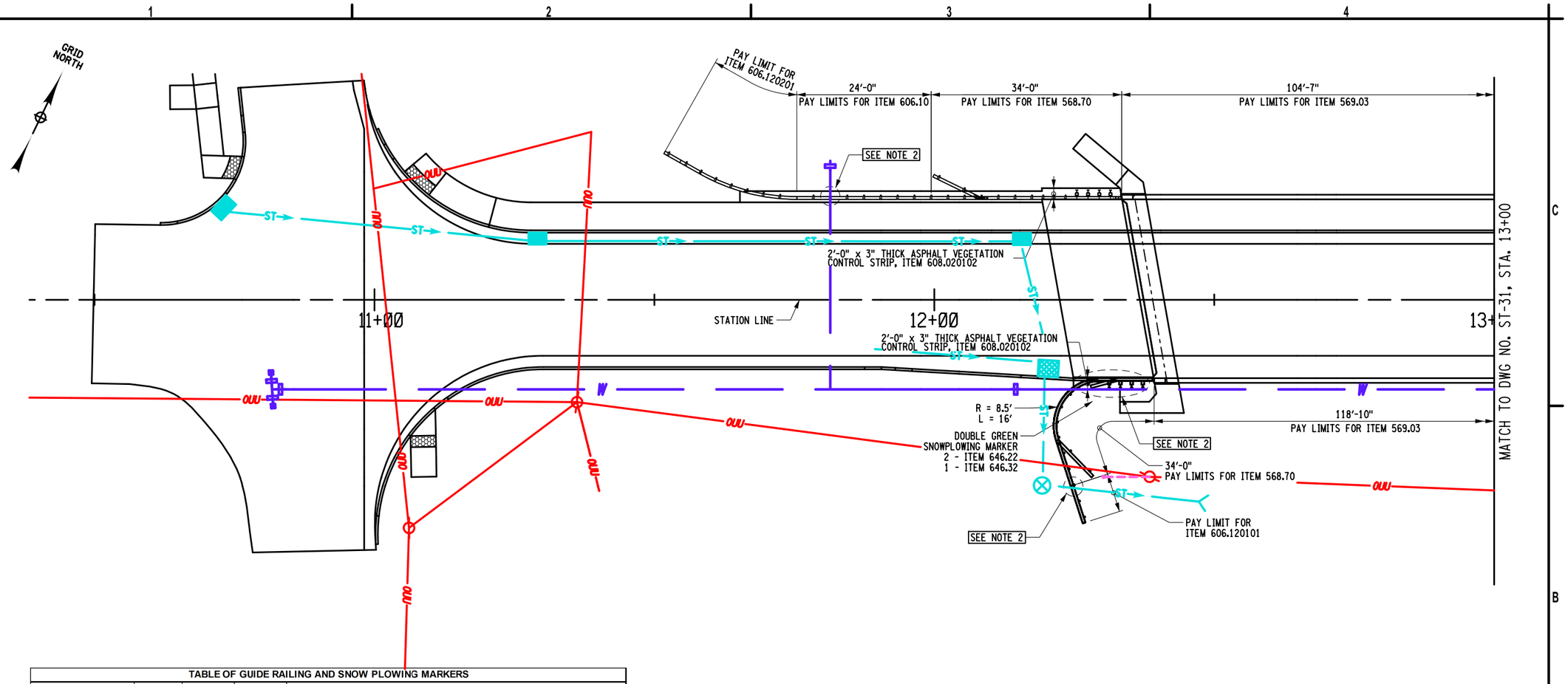

TABLE OF GUIDE RAILING AND SNOW PLOWING MARKERS											
STATION FROM	STATION TO	SIDE	LENGTH (FT)	PAYMENT FACTOR	1	2	3	4	5	6	7
PROPOSED GUIDE RAILING											
11+51.70	11+75.47	LT							1		
11+75.47	11+99.47	LT	24.0	1.3			31				
11+99.47	12+33.47	LT	34.0		34						
12+33.47	13+38.06	LT	104.6			105					
13+38.06	13+72.06	LT	34.0		34						
13+72.06	14+82.87	LT	111	1.0			111				
14+82.87	15+07.77	LT							1		
12+24.37	12+26.52	RT						1			
12+24.37	12+39.25	RT	34.0		34						
12+39.25	13+58.08	RT	118.8			119					
13+58.08	13+92.08	RT	34.0		34						
13+92.08	14+10.08	RT	18.0	1.3			23				
14+10.08	14+33.84	RT							1		
SNOW PLOW MARKERS											
12+28.30	12+28.30	RT								2	1
14+16.63	14+16.63	RT								1	1
				TOTAL	136	224	165	1	3	3	2

KEY NUMBER	ITEM NO.	DESCRIPTION	UNIT
1	568.70	TRANSITION BRIDGE RAILING	LF
2	569.03	VERTICAL FACED CONCRETE PARAPET	LF
3	606.10	BOX BEAM GUIDE RAILING	LF
4	606.120101	BOX BEAM END P'ECE	EA
5	606.120201	BOX BEAM GUIDE RAILING END ASSEMBLY TYPE IIA	EA
6	646.22	SNOW PLOWING MARKERS - SINGLE UNIT	EA
7	646.32	STEEL POST, 2.0 LB/FT	EA

BARRIER AND RAILING LAYOUT PLAN

NOTES:

1. SEE DWG. NO. UTP-01 THROUGH UTP-02 FOR UTILITY LOCATIONS.
2. EXTRA CAUTION SHALL BE TAKEN IN INDICATED AREAS DUE TO THE PRESENCE OF PROPOSED UNDERGROUND WATER AND STORMWATER UTILITIES. HAND DRIVING OF POSTS MAY BE REQUIRED. THE CONTRACTOR HAS THE FOLLOWING OPTIONS:
   - * IF SHALLOW OBSTRUCTIONS ARE ENCOUNTERED AT 3' POST SPACINGS AND NEEDING TO BE SHORTENED MORE THAN 12", IT IS ACCEPTABLE TO SKIP A SINGLE POST.
   - * IF SHALLOW OBSTRUCTIONS ARE ENCOUNTERED AT 3' POST SPACINGS AND DO NOT NEED TO BE SHORTENED BY MORE THAN 12", SHORTENED POSTS MAY BE USED.
   - * IT MAY BE POSSIBLE TO SHIFT A SINGLE RAIL POST SO THAT THE OBSTRUCTION IS STRADDLED AND NO OTHER MODIFICATIONS ARE REQUIRED.

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STRUCTURAL

BARRIER AND RAILING LAYOUT PLAN (1 OF 2)

ST-30

SHEET 62 OF 74

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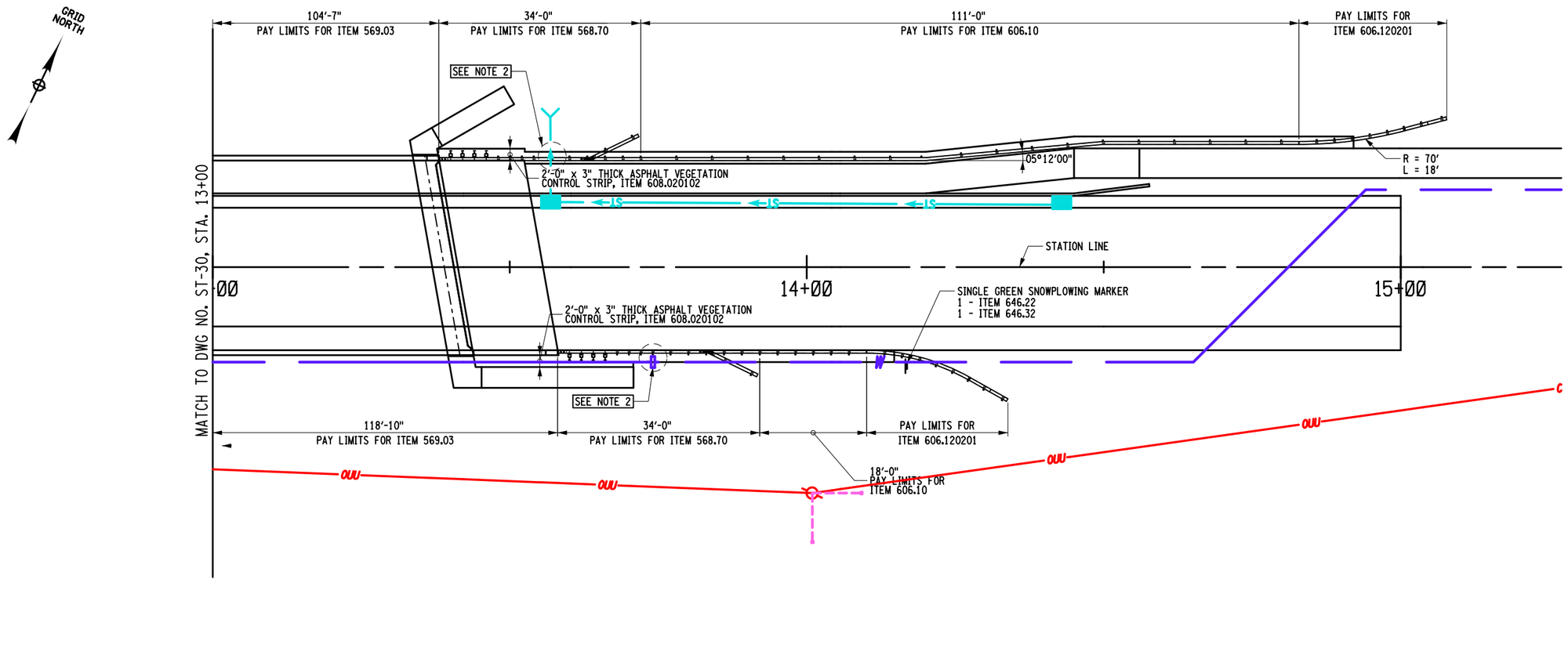

BARRIER AND RAILING LAYOUT PLAN

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   - * IF SHALLOW OBSTRUCTIONS ARE ENCOUNTERED AT 3' POST SPACINGS AND NEEDING TO BE SHORTENED MORE THAN 12", IT IS ACCEPTABLE TO SKIP A SINGLE POST.
   - * IF SHALLOW OBSTRUCTIONS ARE ENCOUNTERED AT 3' POST SPACINGS AND DO NOT NEED TO BE SHORTENED BY MORE THAN 12", SHORTENED POSTS MAY BE USED.
   - * IT MAY BE POSSIBLE TO SHIFT A SINGLE RAIL POST SO THAT THE OBSTRUCTION IS STRADDLED AND NO OTHER MODIFICATIONS ARE REQUIRED.

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EXCELSIOR
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STRUCTURAL

BARRIER AND RAILING LAYOUT PLAN (2 OF 2)

ST-31

SHEET 63 OF 74

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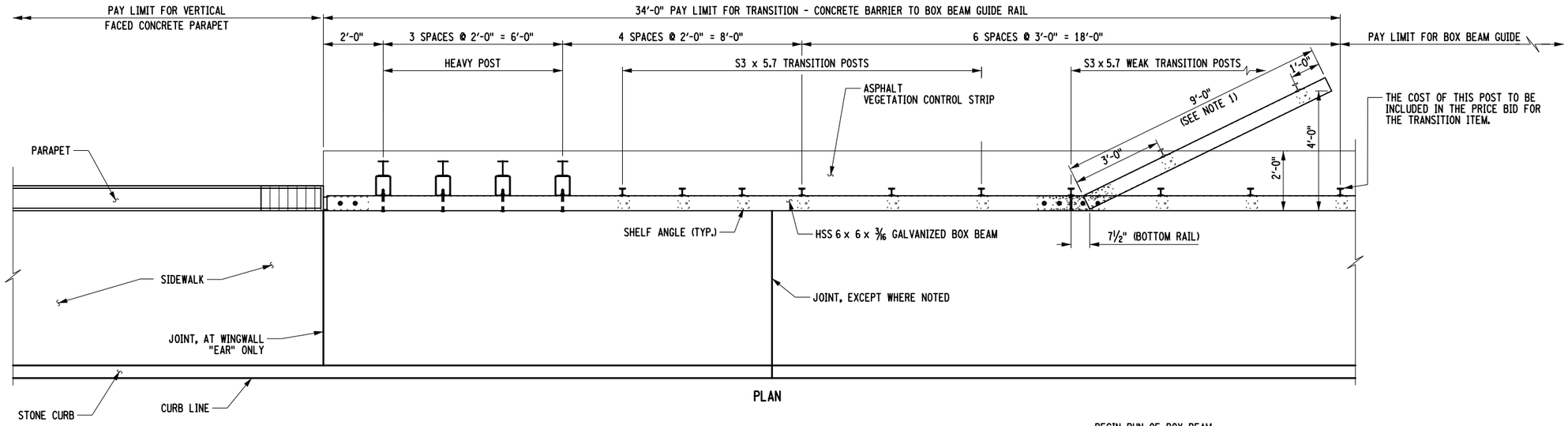

BOX BEAM GUIDE RAIL TRANSITION TO VERTICAL FACED CONCRETE PARAPET

NOTES:

1. THE COST OF THE POSTS, SPLICE TUBE AND RAIL FOR THE TURNBACK IS INCLUDED IN THE PRICE BID FOR THE TRANSITION ITEM.
2. ANY MODIFICATIONS MADE IN THE FIELD THAT DAMAGES GALVANIZATION SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01 OF THE NYS STANDARD SPECIFICATIONS AT NO ADDITIONAL COST TO THE COUNTY.
3. SEE DWG. NO. ST-29 FOR CONNECTION DETAILS TO PARAPET.

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STRUCTURAL

RAILING DETAILS (1 OF 3)

ST-32
SHEET 64 OF 74

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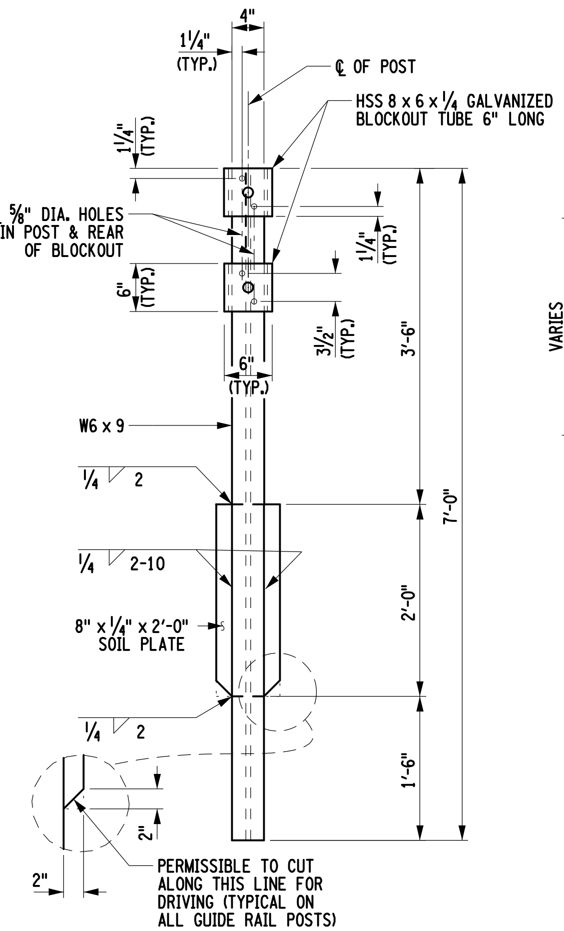
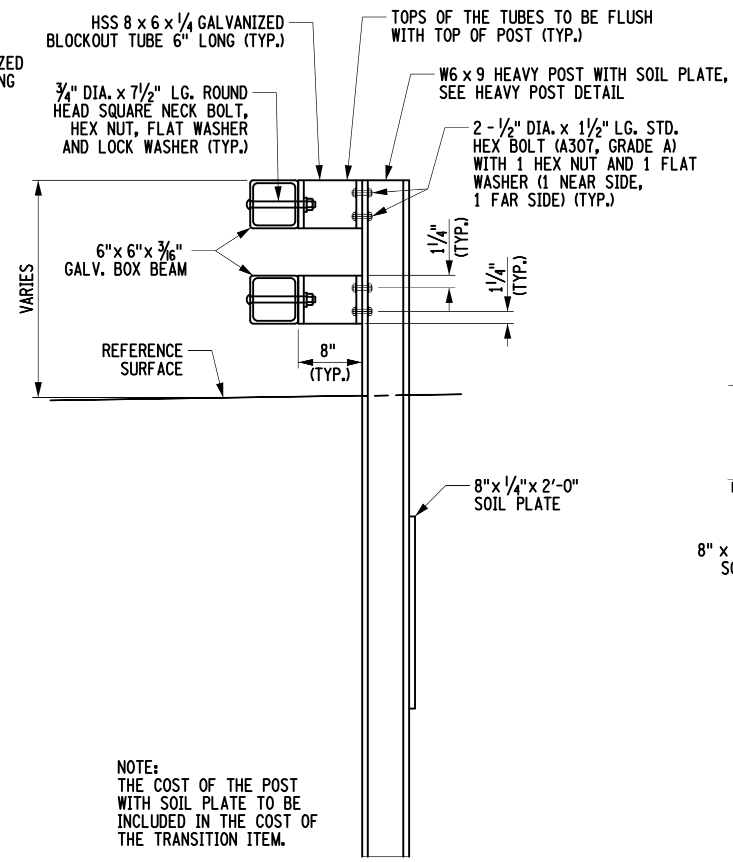
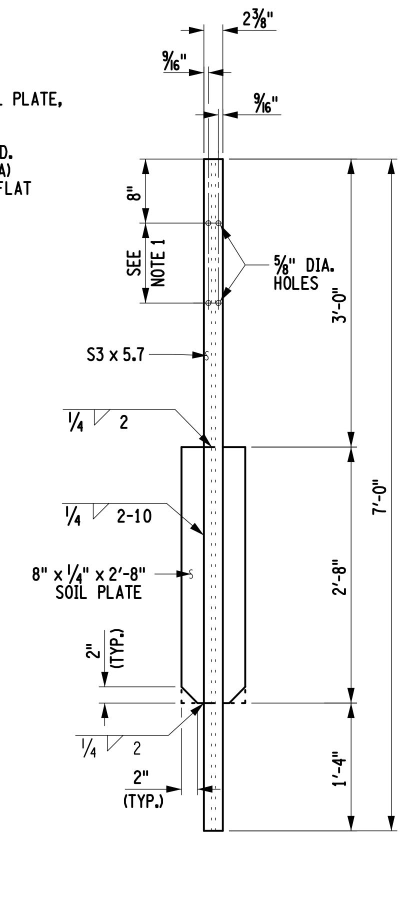


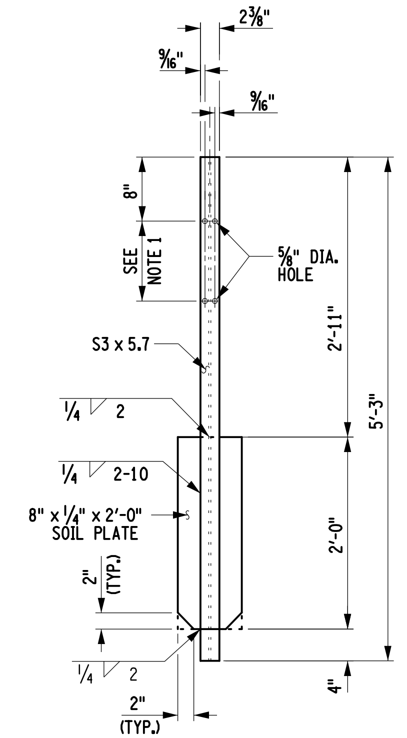
HEAVY POST DETAIL



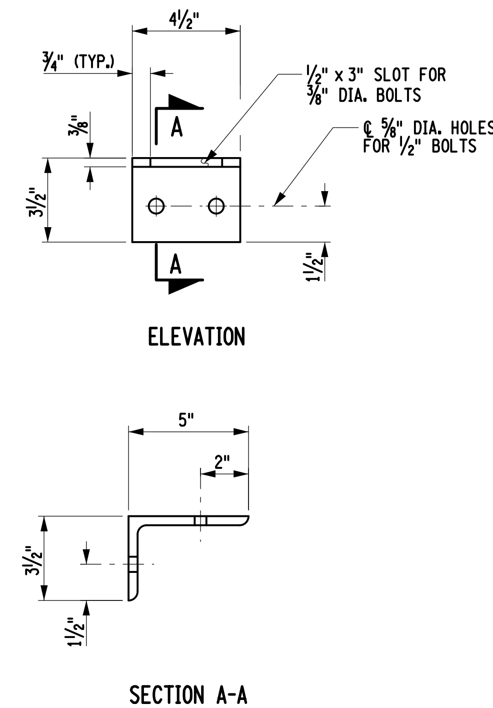
HEAVY POST ELEVATION



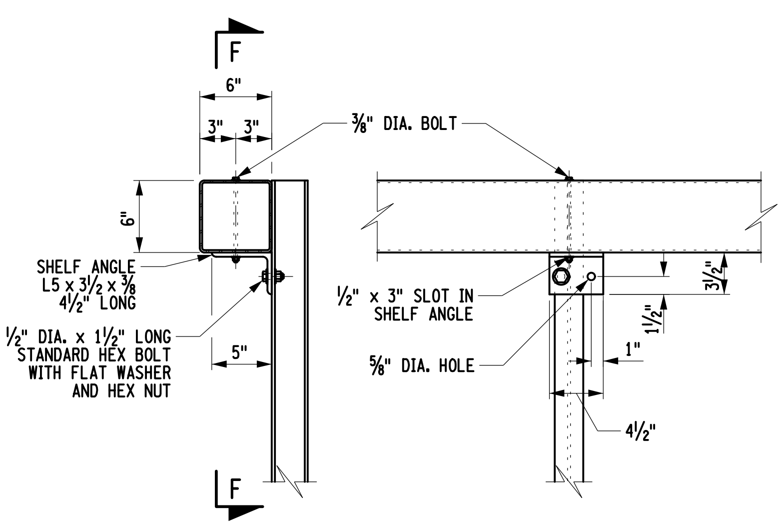
TRANSITION POST DETAIL



WEAK TRANSITION POST DETAIL



SHELF ANGLE DETAILS



TYPICAL RAIL TO WEAK TRANSITION POST CONNECTION

NOTES:

1. HOLES IN THE POST FOR THE LOWER RAIL MAY BE LOCATED AND DRILLED IN THE FIELD. IF SO, THE GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01.

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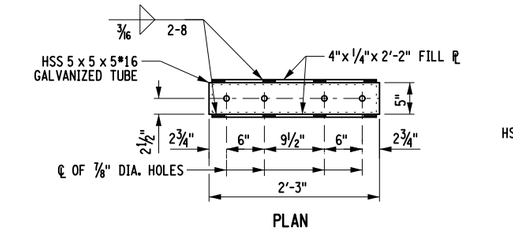
STATE OF NEW YORK · JAMES F. CRAIG · 078434 · LICENSED PROFESSIONAL ENGINEER

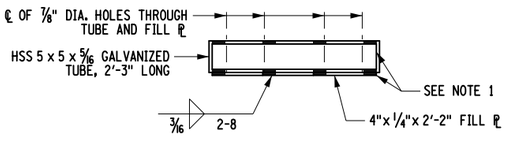
STRUCTURAL

RAILING DETAILS (2 OF 3)

ST-33

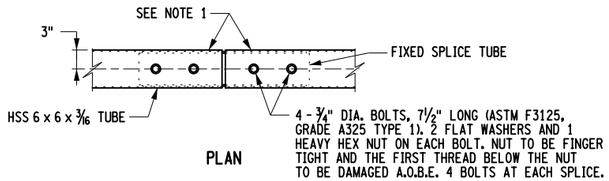


PLAN



ELEVATION

FIXED SPLICE TUBE



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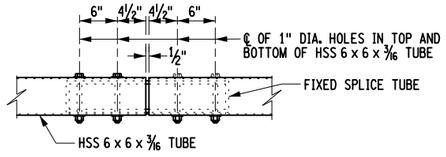
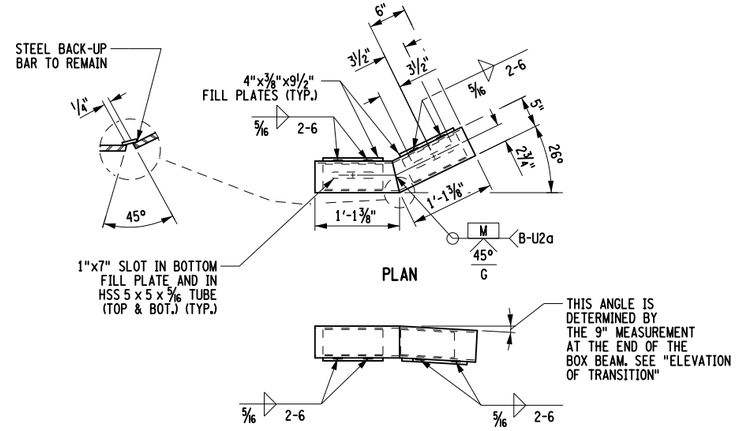


ELEVATION

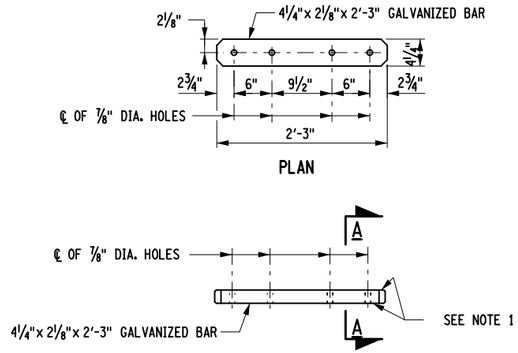
FIXED SPLICE ASSEMBLY



PLAN

ELEVATION

SPLICE TUBE DETAILS FOR TURNBACK

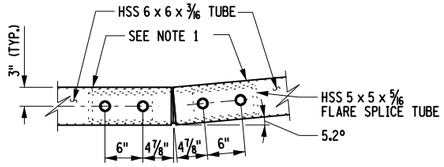


PLAN

ELEVATION

FIXED SPLICE BAR

SECTION A-A



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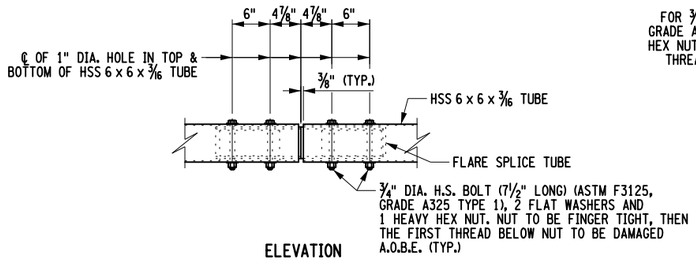
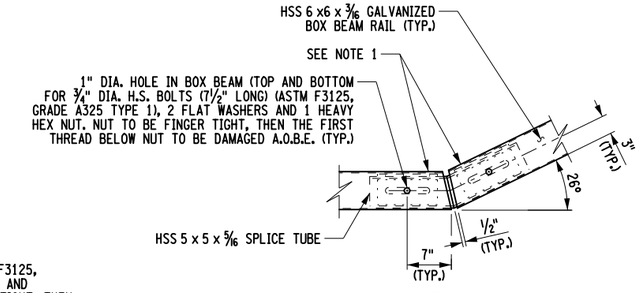


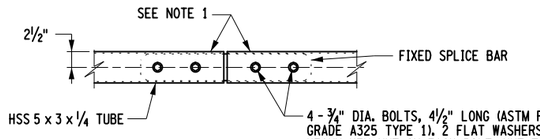
ELEVATION

FLARE SPLICE ASSEMBLY



PLAN

SPLICE DETAIL AT TURNBACK IN LOWER TRANSITION GUIDE RAIL



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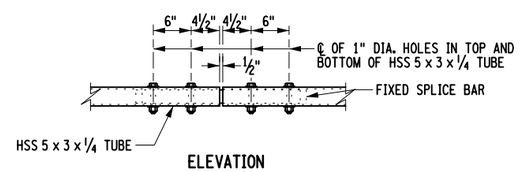

ELEVATION

FIXED SPLICE ASSEMBLY

NOTES:

1. PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.

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RAILING DETAILS (3 OF 3)

ST-34

SHEET 66 OF 74

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JAMES F. CRAIG
EXCELSIOR
078434
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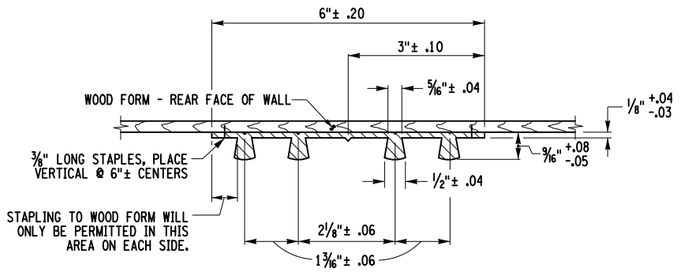
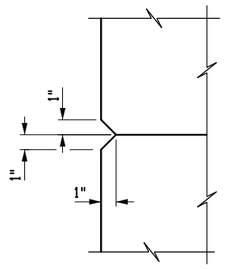
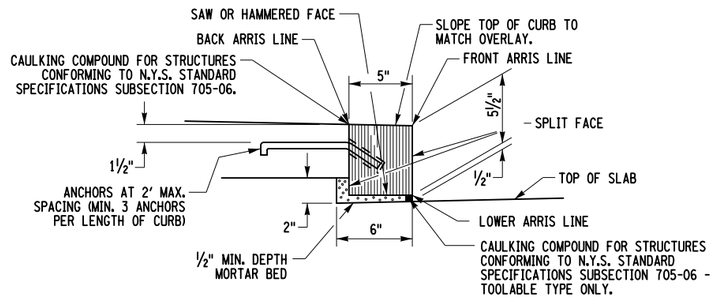


TYPE D WATERSTOP
NOT TO SCALE

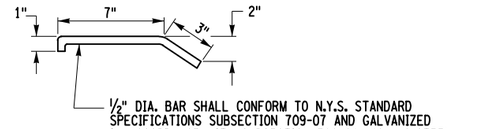


CHAMFER DETAIL
NOT TO SCALE



SECTION OF GRANITE BRIDGE CURB - TYPE F1
NOT TO SCALE

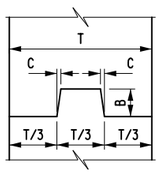
NOTE:
ALL MORTAR SHALL CONFORM TO N.Y.S. STANDARD SPECIFICATIONS SUBSECTION 705-21.



DETAIL OF ANCHOR BAR
NOT TO SCALE

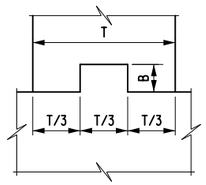
NOTES:

1. HOLES MUST NOT BE MADE IN WATERSTOP FOR ANY PURPOSE EXCEPT AS REQUIRED FOR STAPLING TO FORMS.
2. TYPE D WATERSTOP SHALL BE LIGHT GRAY IN COLOR.
3. PVC USED IN WATERSTOPS SHALL CONFORM TO THE REQUIREMENTS OF N.Y.S. STANDARD SPECIFICATIONS SUBSECTION 705-11.
4. THE COST OF FURNISHING AND PLACING WATERSTOPS SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE CONCRETE ITEMS.
5. FIELD SPLICES SHOULD BE AVOIDED IF POSSIBLE, HOWEVER, HEAT WELDED BUTT SPLICES WILL BE PERMITTED ON LONG STRAIGHT RUNS (GENERALLY IN EXCESS OF 50 FEET) AT POINTS APPROVED BY THE ENGINEER.
6. WATERSTOP SHALL BE SHIPPED IN STRAIGHT SECTIONS HAVING A MINIMUM LENGTH OF 10 FEET UNLESS SHORTER LENGTHS ARE REQUIRED.
7. PREMOULDED RESILIENT JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF N.Y.S. STANDARD SPECIFICATION SUBSECTION 705-07.
8. DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS, FOR WHICH NO SCALE IS SHOWN, ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.



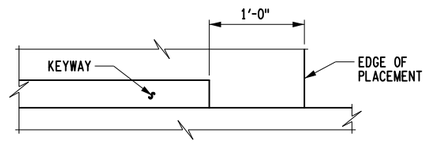
NOTE:
WATERSTOP NOT SHOWN.

VERTICAL



NOTE:
WATERSTOP NOT SHOWN.

HORIZONTAL



KEYWAY DETAILS
NOT TO SCALE

CONSTRUCTION AND CONTRACTION JOINTS		
C	B	T/3
3⁄16"	1 1⁄2"	0 TO 6"
3⁄8"	3 1⁄2"	6" TO 10"
3⁄4"	5 1⁄2"	10" AND OVER

EXPANSION JOINTS		
C	B	T/3
3⁄8"	3 1⁄2"	0 TO 10"
3⁄4"	5 1⁄2"	10" AND OVER

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ONEIDA COUNTY NEW YORK 1798

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

PIN 2754.67
BIN 2205960

LD040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STRUCTURAL

MISCELLANEOUS DETAILS

ST-35
SHEET 67 OF 74

plotted on 3/30/2026 2:45:01 PM
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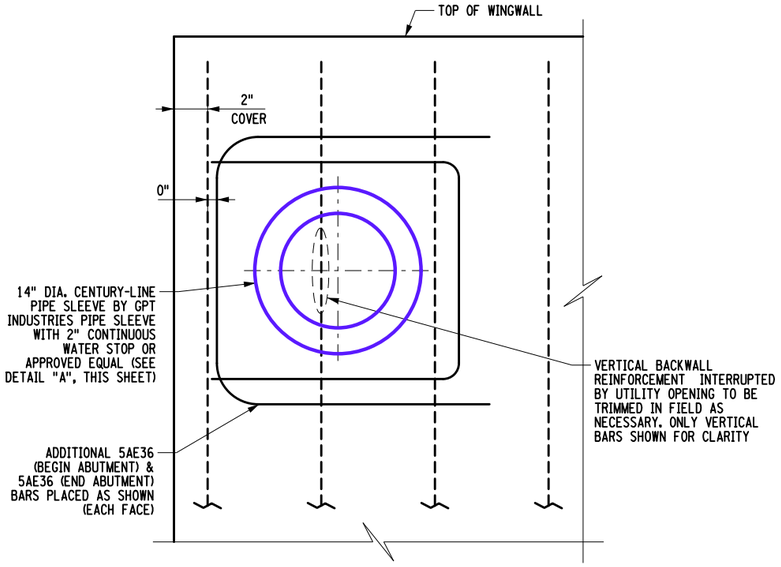
GENERAL NOTES

1. SEE UTILITY DRAWINGS FOR WATER MAIN INSTALLATION NOTES, DETAILS AND PLANS.
2. ALL FITTINGS AND COUPLINGS SHALL BE MECHANICALLY RESTRAINED AND SHALL HAVE A MINIMUM COVER DEPTH OF FIVE FEET.
3. SHOP DRAWINGS OF ALL WATER MAIN AND APPURTENANCES SHALL BE SUBMITTED FOR APPROVAL A MINIMUM OF TWO WEEKS PRIOR TO START OF WORK.
4. REFER TO THE 663 SERIES OF NYSDOT STANDARD SHEETS FOR ADDITIONAL WATER MAIN INSTALLATION DETAILS AND NOTES.
5. THE DEPTHS OF EXISTING UTILITIES ARE UNKNOWN. WHERE THE NEW WATER MAIN CROSSES AN EXISTING UTILITY, THE CONTRACTOR SHALL PROCEED WITH CARE NOT TO DISTURB AN EXISTING UTILITY. SHOULD THE CONTRACTOR DISCOVER A CONFLICT WITH AN EXISTING UTILITY, NOTIFY THE ENGINEER IMMEDIATELY.

BRIDGE MOUNTED WATER PIPE NOTES

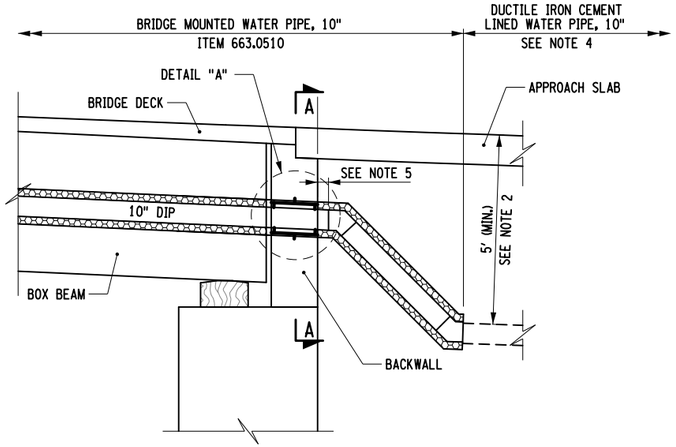
1. HANGERS AND SUPPORTS SHALL BE AS MANUFACTURED BY ANVIL INTERNATIONAL, PROVIDENCE, RI; BASIC ENGINEERING (BE), PITTSBURGH, PA; OR EQUAL. THEY SHALL HAVE STAINLESS STEEL SUPPORT RODS, STAINLESS STEEL MOUNTING HARDWARE, FASTENERS AND BEAM CLAMPS. REFER TO DWG. ST-23 FOR FABRICATION SIZING DETAILING.
2. ALL BRIDGE MOUNTED WATER PIPE SHALL BE RESTRAINED JOINT DUCTILE IRON PIPE AND BE APPROVED BY THE MANUFACTURER FOR BRIDGE APPLICATIONS.
3. BRIDGE MOUNTED WATER PIPE SHALL HAVE A MINIMUM OF 2½" OF POLYURETHANE, FACTORY INSTALLED FOAM INSULATION WITH GALVANIZED JACKET CONFORMING TO THE FOLLOWING:
   - CORE DENSITY - 2.1 TO 3.0 LBS/FT3, ASTM D1622.
   - CLOSED CELL CONTENT - 90 TO 95 PERCENT, ASTM D2856, ASTM D6226.
   - "K" ("KSI") VALUE - ASTM C518, 0.14 TO 0.17 BTU • IN/FT2 • HR • F.
   - MAXIMUM SERVICE TEMPERATURE - 225 DEGREES F.
   - MANUFACTURER SHALL BE INSUL-TEK OR URECON.

   IF RECOMMENDED BY PREINSULATED PIPE MANUFACTURER, PROVIDE PROTECTIVE SHIELDS BETWEEN PIPE ROLL STANDS AND POLYETHYLENE SLEEVE ENCASEMENT.
4. LINEAR EXPANSION JOINTS SHALL BE INSTALLED IN THE LOCATION INDICATED ON THE DRAWINGS AND SHALL BE MANUFACTURED OF DUCTILE IRON CONFORMING TO THE MATERIAL PROPERTIES OF ANSI/AWWA C153/A21.53. SEPARATION BEYOND THE MAXIMUM EXTENSION OF THE EXPANSION JOINT SHALL BE PREVENTED WITHOUT THE USE OF EXTERNAL TIE RODS. EACH EXPANSION JOINT SHALL BE PRESSURE TESTED AGAINST ITS OWN RESTRAINT TO A MINIMUM OF 250 PSI. MEGALUG JOINT RESTRAINT SHALL BE PROVIDED WITH EACH MECHANICAL JOINT CONNECTION. ALL PRESSURE-CONTAINING PARTS SHALL BE LINED WITH A MINIMUM OF 15 MILS OF FUSION BONDED EPOXY CONFORMING TO THE APPLICABLE REQUIREMENTS OF ASNI/AWWA C213 AND SHALL BE TESTED BY A 1500-VOLT SPARK TEST CONFORMING TO THE STATED SPECIFICATION. ALL EXPANSION JOINTS SHALL BE EX-TEND 200 AS MANUFACTURED BY EBBA IRON, INC. OR APPROVED EQUAL. EXPANSION JOINTS SHALL BE INSULATED AS DESCRIBED HEREIN.
   - EXPANSION JOINTS SHALL BE CAPABLE OF EXPANDING OR CONTRACTING AT LEAST 1.15 INCHES (CALCULATED USING A CHANGE IN TEMPERATURE OF 140 DEGREES F).
5. PIPE OPENINGS IN BRIDGE BACKWALL SHALL BE CAST IN PLACE AND COMPLETELY SEALED AGAINST WATER SEEPAGE WITH A 2" CONTINUOUS WATER STOP, MECHANICAL SEAL CONSISTING OF INTERLOCKING SYNTHETIC RUBBER LINKS AND STAINLESS STEEL HARDWARE WITH PRESSURE PLATES WIDER AT ENDS. ENGINEER RECOMMENDS CENTURY-LINE PIPE SLEEVE AND LINK-SEALS MANUFACTURED BY GPT INDUSTRIES OR APPROVED EQUAL.
6. RESTRAINED JOINT DUCTILE IRON PIPE, ROLLER CHAIRS, HANGER RODS, INSULATION, GALVANIZED WATERPROOF JACKET, EXPANSION SLEEVES, UTILITY PIPE SLEEVES AND WATERPROOFING SEALS, ETC. SHALL ALL BE INCLUDED IN THE PRICE BID FOR ITEM 663.0510, BRIDGE MOUNTED WATER PIPE, 10".
7. UNTIL 5'-0" OF MINIMUM COVER IS OBTAINED, BURIED PIPE BEYOND THE ABUTMENTS SHALL CONTINUE TO BE INSULATED WITH 2½" THICK INSULATION SUITABLE FOR UNDERGROUND GROUND CONTACT PER THE SPECIFICATION.



SECTION A-A

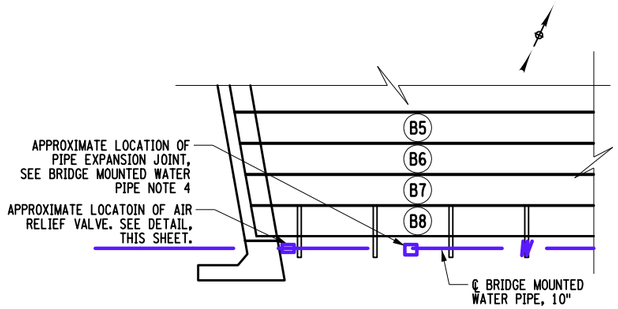
BACKWALL WATER MAIN REINFORCEMENT
NOT TO SCALE



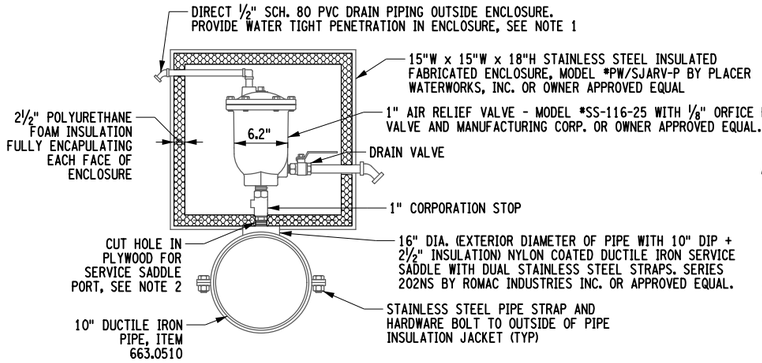
ELEVATION VIEW AT BACKWALL
NOT TO SCALE

NOTES:

1. END ABUTMENT SHOWN. BEGIN ABUTMENT SIMILAR. REFER TO UTP DWGS FOR ADDITIONAL DETAIL.
2. CONTINUE INSULATION UNTIL 5'-0" MINIMUM COVER CAN BE ESTABLISHED.
3. ALL JOINTS SHALL BE FULLY RESTRAINED.
4. REFER TO UTP DRAWINGS FOR WATER LINE INSTALLATION AND DETAILS.
5. DIMENSION ASSUMED TO BE 6". IT IS ASSUMED THE FIRST AND SECOND TRANSITION RAILING HEAVY POSTS WILL NEED TO BE CUT.



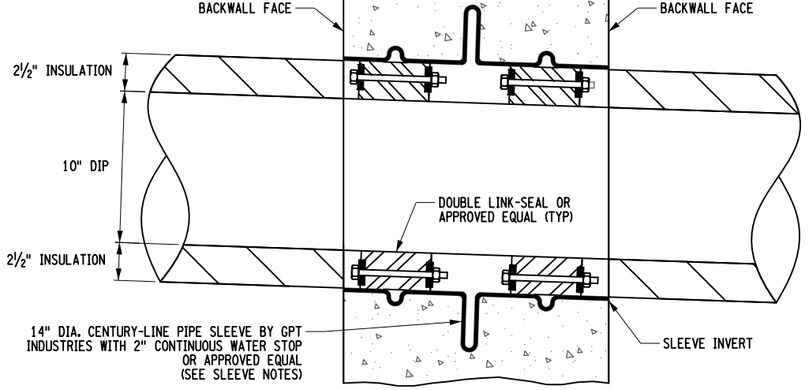
LINEAR EXPANSION JOINT & AIR RELIEF VALVE
NOT TO SCALE



AIR RELIEF VALVE DETAIL
NOT TO SCALE

AIR RELIEF VALVE NOTES:

1. DRAIN PIPE SHALL TERMINATE DOWNWARD. PROVIDE 24 MESH STAINLESS STEEL SCREEN AT END OF DRAIN PIPE.
2. PROVIDE ¾" THICK MARINE GRADE PLYWOOD FLOOR AT BASE OF ENCLOSURE. APPLY EXTERIOR GRADE OIL-BASED, WHITE PAINT ON ALL PLYWOOD SURFACES. FASTEN TO ENCLOSURE WITH STAINLESS STEEL HARDWARE.
3. COATING ON ENCLOSURE NOT REQUIRED ON STAINLESS STEEL SURFACES.
4. PAYMENT FOR THE ENCLOSURE, AIR RELIEF VALVE, CORPORATION STOP, PVC DRAIN, DRAIN VALVE, PIPE STRAPS, AND ALL CONNECTION MATERIALS SHALL BE INCLUDED UNDER ITEM 660.18510005.
5. CONTRACTOR TO VERIFY THAT THE SIZE OF ENCLOSURE WITH INSULATION PROVIDES ADEQUATE SPACE FOR THE FUNCTIONALITY OF AIR RELIEF VALVE AND DRAIN VALVE.



DETAIL "A"
NOT TO SCALE

SLEEVE NOTES:

1. CONTRACTOR TO CONFIRM PIPE SLEEVE AND LINK SEAL SIZES PRIOR TO CONSTRUCTING ABUTMENTS. DESIGNER ASSUMES A 14.69" DIA. HOLE WILL BE REQUIRED TO PASS THROUGH BACKWALL. THIS DIMENSION WILL VARY BASED ON TYPE OF SLEEVE, SEAL AND MANUFACTURER CHOSEN BY CONTRACTOR.
2. PIPE SLEEVE SHALL BE INSTALLED SUCH THAT THE WATER STOP IS CENTERED.

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ONEIDA COUNTY INCORPORATED 1798 NEW YORK

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON
ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
REVISIONS		

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: M. MIECZKOWSKI
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STRUCTURAL

WATER MAIN NOTES AND DETAILS

ST-36
SHEET 68 OF 74

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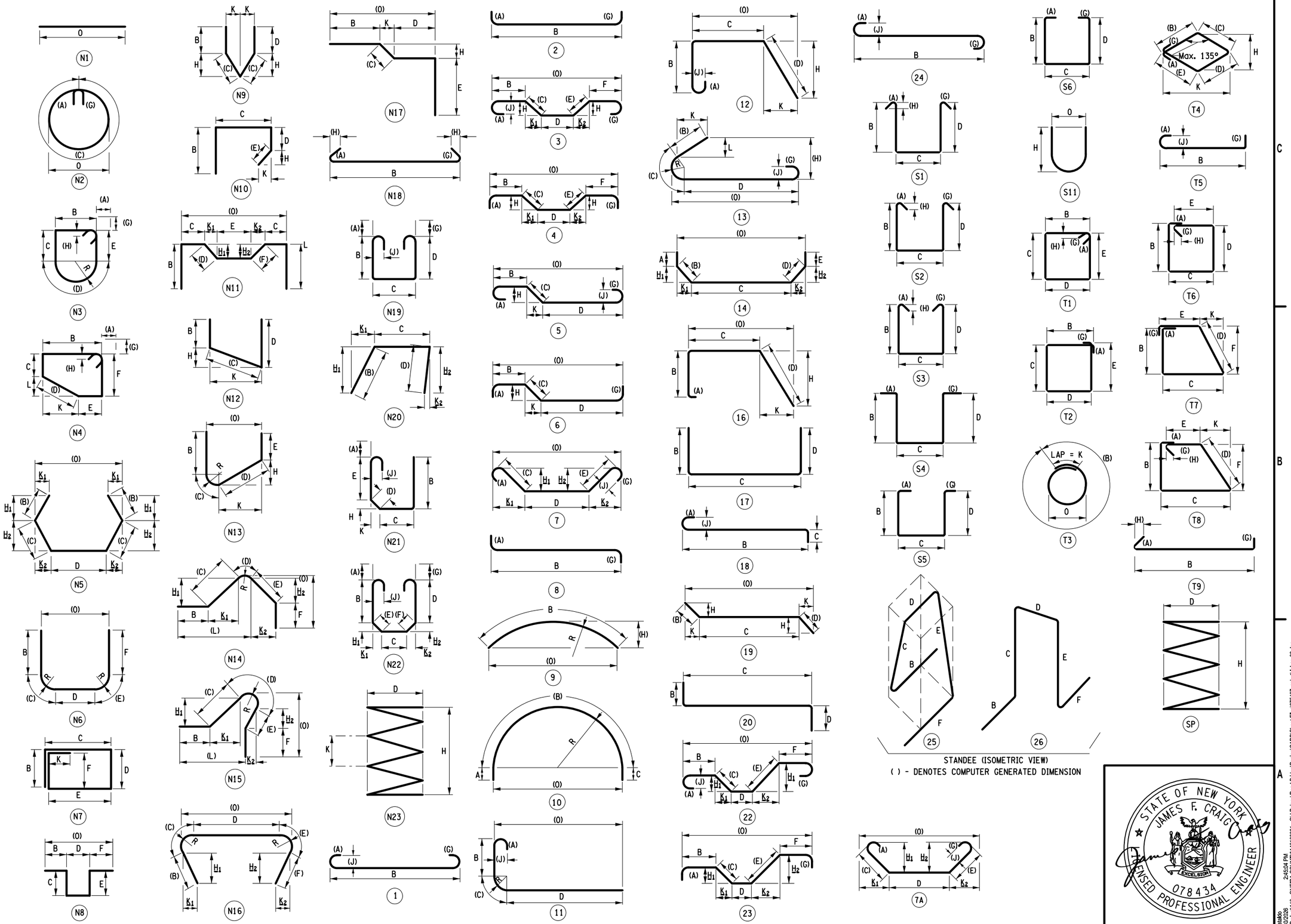

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REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION
		REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STRUCTURAL

BAR BEND DETAILS

STATE OF NEW YORK
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SHEET 69 OF 74

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MARK	NO.	LENGTH	TYPE	MASS (lb)	A	B	C	D	E	F	G	H	H2	I	J	K1	K2	L	O	N1	R
BEGIN APPROACH																					
POUR 1 - APPROACH PAVEMENT																					
5HE01	32	31' - 9"	N1	1059.7															31'-9"		
5HE02	96	14' - 6"	N1	1451.9															14'-6"		
5HE03	16	2' - 7 1/2"	17	43.8		1'-0"	7 1/2"	1'-0"													
SUBTOTAL EPOXY BARS				2,555 lb THIS PLACEMENT																	
POUR 2 - SIDEWALK																					
4HE04	16	5' - 3"	N1	56.1															5'-3"		
4HE05	7	14' - 8"	N1	68.6															14'-8"		
SUBTOTAL EPOXY BARS				125 lb THIS PLACEMENT																	
TOTAL EPOXY BARS BEGIN APPROACH PAVEMENT				2,555 lb FOR ITEM 557.1019					C												
TOTAL EPOXY BARS BEGIN APPROACH SIDEWALK				125 lb FOR ITEM 557.30																	

MARK	NO.	LENGTH	TYPE	MASS (lb)	A	B	C	D	E	F	G	H	H2	I	J	K1	K2	L	O	N1	R
END APPROACH																					
POUR 1 - APPROACH PAVEMENT																					
5HE02	100	14' - 6"	N1	1512.4															14'-6"		
5HE03	16	2' - 7 1/2"	17	43.8		1'-0"	7 1/2"	1'-0"													
5HE06	32	32' - 9"	N1	1093.1															32'-9"		
SUBTOTAL EPOXY BARS				2,649 lb THIS PLACEMENT																	
POUR 2 - SIDEWALK																					
4HE04	16	5' - 3"	N1	56.1															5'-3"		
4HE05	7	14' - 8"	N1	68.6															14'-8"		
SUBTOTAL EPOXY BARS				125 lb THIS PLACEMENT																	
TOTAL EPOXY BARS END APPROACH PAVEMENT				2,649 lb FOR ITEM 557.1019																	
TOTAL EPOXY BARS END APPROACH SIDEWALK				125 lb FOR ITEM 557.30																	

MARK	NO.	LENGTH	TYPE	MASS (lb)	A	B	C	D	E	F	G	H	H2	I	J	K1	K2	L	O	N1	R
LEFT BRIDGE BARRIER																					
5PE01	2	4' - 8 1/2"	19	9.8		1'-11 1/2"	2'-9"					7 1/2"				1'-10 1/4"			4'-7 1/4"		
5PE02	20	2' - 0"	N1	41.7															2'-0"		
5PE03	9	60' - 0"	N1	563.2															60'-0"		
5PE04	9	47' - 0"	N1	441.2															47'-0"		
5PE05	157	4' - 9 1/4"	S11	781.2								2'-3"							6"		
5PE06	157	5' - 9 1/4"	S11	945.0								2'-9"							6"		
6PE07	153	5' - 1 1/2"	14	1177.8		2'-0"	2'-1 1/2"	1'-0"				1'-5 1/4"	8 1/2"			1'-4 3/4"	8 1/2"		4'-2 1/2"		
TOTAL EPOXY BARS LEFT BARRIER				3,960 lb THIS PLACEMENT																	
RIGHT BRIDGE BARRIER																					
5PE01	1	4' - 8 1/2"	19	4.9		1'-11 1/2"	2'-9"					7 1/2"				1'-10 1/4"			4'-7 1/4"		
5PE02	10	2' - 0"	N1	20.9															2'-0"		
5PE03	9	60' - 0"	N1	563.2															60'-0"		
5PE04	9	47' - 0"	N1	441.2															47'-0"		
5PE05	157	4' - 9 1/4"	S11	781.2								2'-3"							6"		
5PE08	157	4' - 11 3/4"	S11	815.3								2'-4"							6"		
6PE09	157	4' - 1"	14	962.9		1'-3/4"	1'-1/4"	2'-0"				8 1/2"	1'-5 1/4"			9 1/2"	1'-4 3/4"		3'-2 1/2"		
SUBTOTAL EPOXY BARS				3,590 lb THIS PLACEMENT																	
RIGHT APPROACH BARRIER																					
5PE01	1	4' - 8 1/2"	19	4.9		1'-11 1/2"	2'-9"					7 1/2"				1'-10 1/4"			4'-7 1/4"		
5PE02	10	2' - 0"	N1	20.9															2'-0"		
5PE10	8	13' - 9"	N1	114.7															13'-9"		
5PE11	1	11' - 9"	N1	12.3															11'-9"		
5PE05	19	4' - 9 1/4"	S11	94.5								2'-3"							6"		
5PE13	3	5' - 11 3/8"	S11	18.6								2'-10" AVG							6"		
		LENGTH VARIES FROM 5-3 1/4" TO 6'-7 1/2", H VARIES FROM 2'-6" TO 3'-2", 1 SET OF 3																			
6PE14	22	4' - 2"	17	137.7		1'-0"	3'-2"														
5PE15	22	6' - 10"	S11	156.8								3'-2"							6"		
SUBTOTAL EPOXY BARS				560 lb THIS PLACEMENT																	
TOTAL EPOXY BARS LEFT BARRIER				3,960 lb FOR ITEM 569.03																	
TOTAL EPOXY BARS RIGHT BARRIER				4,150 lb FOR ITEM 569.03																	

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ONEIDA COUNTY NEW YORK 1798

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STRUCTURAL

BAR LIST (1 OF 3)

ST-38

SHEET 70 OF 74

STATE OF NEW YORK
JAMES F. CRAIG
EXCELSIOR
078434
LICENSED PROFESSIONAL ENGINEER

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MARK	NO.	LENGTH	TYPE	MASS (lb)	A	B	C	D	E	F	G	H	H2	I	J	K1	K2	L	O	N1	R
BRIDGE DECK SLAB																					
POUR 1 - SLAB																					
4SE01	153	30' - 0"	2	3066.1	5"	29'-7"															
4SE02	153	6' - 4 1/2"	2	651.6	5"	6'-4 1/2"															
4SE03	53	60' - 0"	N1	2124.2															60'-0"		
4SE04	53	46' - 7"	N1	1649.2															46'-7"		
5SE05	104	2' - 8 1/2"	17	293.8		1'-0"	8 1/2"	1'-0"													
4SE06	2	2' - 6 1/2"	19	3.4		7 1/2"	1'-11"					5 3/4"				4 3/4"			2'-3 3/4"		
4SE07	2	2' - 8 1/4"	19	3.6		7"	2'-1 1/4"					4 1/2"				5 1/2"			2'-6 3/4"		
TOTAL EPOXY BARS BRIDGE DECK SLAB				7,792 lb ITEM 557.1219																	
POUR 2 - SIDEWALK																					
4SE03	6	60' - 0"	N1	240.5															60'-0"		
4SE04	6	46' - 7"	N1	186.7															46'-7"		
4SE06	1	2' - 6 1/2"	19	1.7		7 1/2"	1'-11"					5 3/4"				4 3/4"			2'-3 3/4"		
4SE07	1	2' - 8 1/4"	19	1.8		7"	2'-1 1/4"					4 1/2"				5 1/2"			2'-6 3/4"		
4SE08	104	6' - 1"	N1	422.6															6'-1"		
5SE09	2	47' - 2"	N1	98.4															47'-2"		
5SE10	2	60' - 0"	N1	125.2															60'-0"		
TOTAL EPOXY BARS BRIDGE SIDEWALK				1,077 lb FOR ITEM 557.30																	
TOTAL EPOXY BARS BRIDGE DECK SLAB				7,792 lb ITEM 557.1219																	
TOTAL EPOXY BARS BRIDGE SIDEWALK				1,077 lb FOR ITEM 557.30																	

MARK	NO.	LENGTH	TYPE	MASS (lb)	A	B	C	D	E	F	G	H	H2	I	J	K1	K2	L	O	N1	R
BEGIN ABUTMENT																					
POUR 1 - LOWER STEM																					
5AE01	2	33' - 11 1/2"	N1	70.8															33'-11 1/2"		
6AE02	24	6' - 9"	17	243.3		1'-5"	3'-11"	1'-5"													
6AE03	104	12' - 3"	17	1913.5		8'-4"	3'-11"														
6AE04	15	25' - 1 1/4"	N20	565.6			18'-5 1/4"	6'-8"					6'-6 3/4"				1'-2"				
6AE05	15	25' - 0"	N1	563.3															25'-0"		
8AE06	15	39' - 3"	N1	1572.0															39'-3"		
5AE07	52	7' - 5"	17	402.3		1'-9"	3'-11"	1'-9"													
6AE08	15	11' - 1"	N1	249.7															11'-1"		
6AE09	15	15' - 8 3/4"	N20	354.4			4'-7 3/4"	11'-1"					10'-11"				1'-11 1/4"				
5AE10	15	10' - 9"	1	168.2	7"	9'-7"					7"				5"						
5AE11	8	4' - 0"	17	33.4		1'-2"	1'-8"	1'-2"													
6AE12	30	15' - 1 3/4"	17	682.5		13'-5 3/4"	1'-8"														
6AE13	35	11' - 3"	17	591.4		5'-0"	1'-3"	5'-0"													
5AE14	8	6' - 3"	N20	52.2		1'-2"	3'-11"	1'-2"					1'-1 3/4"	1'-1 3/4"			2 1/2"	2 1/2"			
6AE15	18	16' - 10 3/4"	17	456.8		12'-11 3/4"	3'-11"														
6AE16	7	39' - 3"	N1	412.7															39'-3"		
SUBTOTAL EPOXY BARS				8,332 lb THIS PLACEMENT																	
POUR 2 - BAL WINGWALL																					
5AE14	13	6' - 3"	N20	84.7		1'-2"	3'-11"	1'-2"					1'-1 3/4"	1'-1 3/4"			2 1/2"	2 1/2"			
6AE17	28	15' - 4 1/2" AVG.	17	646.6		10'-9 1/2" (MIN)	3'-2"														
		LENGTH VARIES FROM 13'-11 1/2" TO 16'-9 1/2"				13'-7 1/2" (MAX)															
6AE18	7	16' - 9 1/2"	17	176.5		13'-7 1/2"	3'-2"														
5AE19	28	5' - 6"	17	160.6		1'-2"	3'-2"	1'-2"													
5AE20	12	15' - 1 1/4"	19	189.0		1'-10"	13'-3 1/4"						1'-2"				1'-4 1/2"		14'-7 3/4"		
5AE21	10	11' - 8"	19	121.7		10"	10'-10"						6 1/2"				7 3/4"		11'-5 3/4"		
5AE22	2	13' - 10 1/2"	19	28.9		1'-10"	12'- 1/2"						1'-2"				1'-4 1/2"		13'-5 1/2"		
5AE23	2	11' - 2 3/4"	19	23.4		1'-10"	9'-9 1/4"						1'-2"				1'-4 1/2"		10'-9 3/4"		
5AE24	5	13' - 6"	19	70.4		3'-4"	10'-2"						0'-11"				3'-2 1/2"		13'-4 1/2"		
5AE25	5	4' - 1/2" AVG.	19	21.1		1'-10 1/2"	1'-0" (MIN)						1'-2 1/2"				1'-5 1/4"		2'-5 1/4" (MIN)		
		LENGTH VARIES FROM 2'-10 1/2" TO 5'-2 1/2"					3'-4" (MAX)												4'-9 1/4" (MAX)		
5AE26	1	6' - 3 3/4"	17	6.6		1'-2"	3'-11 3/4"	1'-2"													
6AE27	12	6' - 0"	17	108.1		1'-5"	3'-2"	1'-5"													
SUBTOTAL EPOXY BARS				1,638 lb THIS PLACEMENT																	
POUR 3- UPPER STEM																					
6AE08	9	11' - 1"	N1	149.8															11'-1"		
6AF09	8	15' - 8 3/4"	N20	189.0			4'-7 3/4"	11'-1"					10'-11"				1'-11 1/4"				
5AE11	20	4' - 0"	17	83.4		1'-2"	1'-8"	1'-2"													
6AE28	8	9' - 10 1/2"	7A	118.7	8 1/4"		6'-1 1/2"		2'-4 1/4"		8 1/4"	4'-6 1/2"	2'-3 1/2"		0'-6"	4'-1 1/2"	6 3/4"		6'-10"		
NOTE BAR 29 NOT USED																					
5AE30	7	39' - 3"	N1	286.6															39'-3"		
6AE31	25	24' - 8"	17	926.2		21'-5"	3'-3"														
6AE32	26	27' - 8"	17	1080.4		24'-5"	3'-3"														
5AE33	25	4' - 5"	1	115.2	7"	3'-3"					7"				5"						
4AE34	35	3' - 1"	17	72.1		11"	1'-3"	11"													
5AE35	5	13' - 3/4"	N20	68.1		4'-2"	4'-11 3/4"	3'-11"				4'-1 1/4"	3'-10 1/4"			8 3/4"	8 1/4"				
5AE36	4	4' - 9"	17	19.8		1'-7"	1'-7"	1'-7"													
SUBTOTAL EPOXY BARS				3,109 lb THIS PLACEMENT																	
TOTAL EPOXY BARS BEGIN ABUTMENT				13,079 lb FOR ITEM 556.0202																	

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ONEIDA COUNTY NEW YORK 1798

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STATE OF NEW YORK
JAMES F. CRAIG
EXCELSIOR
078434
LICENSED PROFESSIONAL ENGINEER

STRUCTURAL

BAR LIST (2 OF 3)

ST-39

SHEET 71 OF 74

Last date: 3/30/2026 2:45:23 PM
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MARK	NO.	LENGTH	TYPE	MASS (lb)	A	B	C	D	E	F	G	H	H2	I	J	K1	K2	L	O	N1	R
END ABUTMENT																					
POUR 1 - LOWER STEM																					
5AE01	2	33' - 9"	N1	70.4															33'-9"		
6AE02	24	6' - 9"	17	243.3		1'-5"	3'-11"	1'-5"													
6AE03	104	14' - 1 1/4"	17	2203.2		10'-2-1/4"	3'-11"														
6AE04	41	33' - 9"	N1	2078.4															33'-9"		
5AE05	52	7' - 5"	17	402.3		1'-9"	3'-11"	1'-9"													
5AE06	18	6' - 3"	N20	117.3		1'-2"	3'-11"	1'-2"				1'-1 3/4"	1'-1 3/4"			2 1/2"	2 1/2"				
6AE07	35	11' - 3"	17	591.4		5'-0"	1'-3"	5'-0"													
SUBTOTAL EPOXY BARS				5,706 lb THIS PLACEMENT																	
POUR 2 - "EAL" WINGWALL																					
5AE06	14	6' - 3"	N20	91.3		1'-2"	3'-11"	1'-2"				1'-1 3/4"	1'-1 3/4"			2 1/2"	2 1/2"				
6AE08	12	6' - 0"	17	108.1		1'-5"	3'-2"	1'-5"													
5AE09	34	5' - 5"	17	192.1		1'-2"	3'-2"	1'-2"													
5AE10	5	17' - 7"	19	91.7		3'-4"	14'-3"					8 3/4"				3'-3"			17'-6"		
5AE11	5	4' - 10" AVG.	19	25.2		1'-2" (MIN)	2'-2"					1'-1 1/4" (MIN)				4 3/4" (MIN)			2'-6 3/4" (MIN)		
		LENGTH VARIES FROM 3'-4" TO 6'-4"				4'-2" (MAX)						3'-11" (MAX)				1'-5" (MAX)			3'-7" (MAX)		
5AE12	2	6' - 3 3/4"	17	13.2		1'-2"	3'-11 3/4"	1'-2"													
NOTE BARS 13-14 NOT USED																					
6AE15	8	18' - 7 1/2"	N1	223.8		15'-5 1/2"	3'-2"														
6AE16	40	17' - 3/4" AVG.	17	1025.1		12'-4" (MIN)	3'-2"														
		LENGTH VARIES FROM 15'-6" TO 18'-7 1/2"				15'-5 1/2" (MAX)															
5AE17	24	20' - 4"	19	509.0		18'-1"	2'-3"					17'-0"				6'-2 1/4"			8'-5 1/4"		
5AE18	2	15' - 10 1/2"	19	33.1		13'-7 1/2"	2'-3"					4'-8"				12'-9 1/2"			14'-3"		
5AE19	2	10' - 2 1/2"	19	21.3		7'-11 1/2"	2'-3"					14'-1"				5'-3"			6'-1"		
SUBTOTAL EPOXY BARS				2,334 lb THIS PLACEMENT																	
POUR 3 - "EAR" WINGWALL																					
5AE06	13	6' - 3"	N20	84.7		1'-2"	3'-11"	1'-2"				1'-1 3/4"	1'-1 3/4"			2 1/2"	2 1/2"				
6AE08	20	6' - 0"	17	180.2		1'-5"	3'-2"	1'-5"													
5AE09	49	6' - 0"	17	306.6		1'-5"	3'-2"	1'-5"													
5AE12	3	6' - 3 3/4"	17	19.8		1'-2"	3'-11 3/4"	1'-2"													
6AE20	17	17' - 11 3/4"	17	459.1		14'-9 3/4"	3'-2"														
6AE21	70	17' - 8 1/2"	17	1861.9		14'-6 1/2"	3'-2"														
5AE22	26	25' - 5"	N1	689.2															25'-5"		
5AE23	14	12' - 6 1/2"	19	183.1		5'-1"	7'-5 1/2"					7'-4"				1'-3 1/2"			8'-9"		
5AE24	12	5' - 5 1/4"	19	68.1		1'-10 1/4"	3'-9"					3'-8 1/2"				7 3/4"			4'-4 3/4"		
5AE25	5	30' - 7"	19	159.5		5'-0"	25'-7"					3/4"				5'-0"			30'-7"		
5AE26	5	7' - 11 1/2" AVG.	19	41.5		5'-1"	1'-2" (MIN)					5'-0"				10 1/2"			6'-3" (MIN)		
		LENGTH VARIES FROM 6'-3" TO 9'-8"					4'-7" (MAX)												9'-8" (MAX)		
NOTE BARS 27-35 NOT USED																					
5AE36	4	4' - 9"	17	19.8		1'-7"	1'-7"	1'-7"													
SUBTOTAL EPOXY BARS				4,074 lb THIS PLACEMENT																	
POUR 4 - UPPER STEM																					
5AE01	7	33' - 9"	N1	246.4															33'-9"		
6AE31	25	24' - 8"	17	926.2		21'-5"	3'-3"														
6AE32	26	27' - 8"	17	1080.4		24'-5"	3'-3"														
5AE33	25	4' - 5"	1	115.2	7"	3'-3"					7"				5"						
4AE34	35	3' - 1"	17	72.1		11"	1'-3"	11"													
SUBTOTAL EPOXY BARS				2,440 lb THIS PLACEMENT																	
TOTAL EPOXY BARS END ABUTMENT				14,554 lb FOR ITEM 556.0202																	

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ONEIDA COUNTY 1798 NEW YORK

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STATE OF NEW YORK
JAMES F. CRAIG
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STRUCTURAL

BAR LIST (3 OF 3)

ST-40

SHEET 72 OF 74

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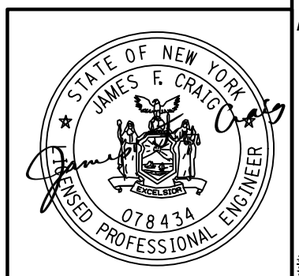
TABLE OF QUANTITIES

ITEM	DESCRIPTION	UNIT	PROPOSED	AS-BUILT
201.06	CLEARING AND GRUBBING	LS	1	
202.120001	REMOVING EXISTING SUPERSTRUCTURES	LS	1	
202.19	REMOVAL OF SUBSTRUCTURES	CY	240	
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	720	
203.03	EMBANKMENT IN PLACE	CY	1125	
203.07	SELECT GRANULAR FILL	CY	555	
203.21	SELECT STRUCTURE FILL	CY	235	
204.01	CONTROLLED LOW STRENGTH MATERIAL (CLSM)	CY	45	
206.01	STRUCTURE EXCAVATION	CY	1685	
206.0201	TRENCH AND CULVERT EXCAVATION	CY	1090	
206.05	TEST PIT EXCAVATION	EA	6	
207.20	GEOTEXTILE BEDDING	SY	20	
207.21	GEOTEXTILE SEPARATION	SY	845	
207.27	PREFABRICATED COMPOSITE INTEGRAL ABUTMENT DRAIN	SY	165	
209.13	SILT FENCE - TEMPORARY	LF	630	
209.1501	TURBIDITY CURTAIN - TEMPORARY	LF	210	
210.3111	REMOVAL AND DISPOSAL OF UNDERGROUND PIPE ACM (BV14)	LF	250	
210.3211	REMOVAL AND DISPOSAL OF SUSPENDED PIPE ACM (BV14)	LF	110	
304.12	SUBBASE COURSE, TYPE 2	CY	805	
404.0983	9.5 F3 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON	105	
404.1989	19 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON	120	
404.2589	25 F9 BASE COURSE ASPHALT, 80 SERIES COMPACTION	TON	150	
407.0102	DILUTED TACK COAT	GAL	85	
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF	1300	
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY	315	
551.016121	STEEL H-PILES (HP 16X121)	LF	1160	
551.03020017	PREDRILLING HOLES FOR PILES - CASING REQUIRED	LF	1100	
551.12	SPLICES FOR STEEL H-PILES	EA	12	
551.92000008	REMOVAL OF PILES	EA	16	
552.15	INTERIM STEEL SHEETING	SF	3380	
552.17	SHIELDS AND SHORING	SF	11735	
553.020001	COFFERDAMS (TYPE 2)	EA	1	
553.020002	COFFERDAMS (TYPE 2)	EA	1	
554.41	FILL TYPE RETAINING WALL (GREATER THAN 6FT. - 12FT.)	SF	450	
555.0021	CONCRETE FOR STRUCTURES, PERFORMANCE	CY	264	
555.0031	CONCRETE FOR STRUCTURES, PERFORMANCE (DEPOSITED UNDER WATER)	CY	191	
555.9902	PERFORMANCE CONCRETE QUALITY ADJUSTMENT - CONCRETE FOR STRUCTURES	QU	1	
555.9903	PERFORMANCE CONCRETE QUALITY ADJUSTMENT - CONCRETE DEPOSITED UNDER WATER	QU	1	
556.0202	EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES	LB	28000	
557.1019	STRUCTURAL APPROACH SLAB WITH INTEGRAL WEARING SURFACE TYPE 9 FRICTION	SY	108	
557.1219	SUPERSTRUCTURE SLAB WITH INTEGRAL WEARING SURFACE BOTTTOM FORMWORK NOT REQUIRED - TYPE 9 FRICTION	SY	386	
557.29	WINTER SURFACE TREATMENT - SUPERSTRUCTURE SLABS AND STRUCTURAL APPROACH SLABS	SY	495	
557.30	SIDEWALKS AND SAFETY WALKS	SY	92	
557.9901	PERFORMANCE CONCRETE QUALITY ADJUSTMENT - SUPERSTRUCTURE AND APPROACH SLAB	QU	1	
557.9902	PERFORMANCE CONCRETE QUALITY ADJUSTMENT - SIDEWALKS AND SAFETY WALKS	QU	1	
558.02	LONGITUDINAL SAWCUT GROOVING OF STRUCTURAL SLAB SURFACE	SY	385	
559.01	PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS AND BRIDGE DECK OVERLAYS	SF	6360	
559.02	PROTECTIVE SEALING OF NEW STRUCTURAL CONCRETE	SF	2470	
563.02	PRESTRESSED CONCRETE BOX BEAM UNITS	SF	3200	
564.0501	STRUCTURAL STEEL, TYPE 1	LS	1	
564.20010008	HOT-DIP GALVANIZING OF STRUCTURAL STEEL	LB	2022	
565.30130101	TEMPORARY WOOD SUPPORT	EA	24	
568.70	TRANSITION BRIDGE RAILING	LF	136	
569.03	VERTICAL FACED CONCRETE PARAPET	LF	224	
569.99	PERFORMANCE CONCRETE QUALITY ADJUSTMENT - CAST IN PLACE CONCRETE BARRIER	QU	1	
570.01	LEAD-EXPOSURE CONTROL PLAN	LS	1	
570.02	MEDICAL TESTING	DC	3000	
570.03	PERSONAL-EXPOSURE-MONITORING SAMPLE ANALYSIS	DC	3000	
570.04	DECONTAMINATION FACILITIES	CW	1	
570.090001	ENVIRONMENTAL GROUND PROTECTION	LS	1	
570.100001	ENVIRONMENTAL WATERWAY PROTECTION	LS	1	

TABLE OF QUANTITIES (CONTINUED)

ITEM	DESCRIPTION	UNIT	PROPOSED	AS-BUILT
571.03	DISPOSAL OF HAZARDOUS PAINT REMOVAL WASTE CONTAINING LEAD	LB	100	
585.01	STRUCTURAL LIFTING OPERATIONS - TYPE A	EA	1	
603.171116	GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2"CORRUGATIONS) 15 INCH DIAMETER, 16 GAUGE	EA	1	
603.172012	GALVANIZED STEEL END SECTIONS-PIPE (2-2/3" X 1/2"CORRUGATIONS) 48 INCH DIAMETER, 12 GAUGE	EA	1	
603.9812	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE - 12 INCH DIAMETER	LF	101	
603.9818	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE - 18 INCH DIAMETER	LF	164	
603.9836	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE - 36 INCH DIAMETER	LF	29	
603.9842	SMOOTH INTERIOR CORRUGATED POLYETHYLENE CULVERT AND STORM DRAIN PIPE - 42 INCH DIAMETER	LF	44	
604.070301	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA	1	
604.301172	RECTANGULAR DRAINAGE STRUCTURE TYPE K FOR CAST IRON F2 FRAME	LF	14	
604.301772	RECTANGULAR DRAINAGE STRUCTURE TYPE Q FOR CAST IRON F2 FRAME	LF	15	
604.302091	RECTANGULAR DRAINAGE STRUCTURE TYPE T FOR PARALLEL BAR #11PCB FRAME	LF	5	
605.1001	UNDERDRAIN FILTER TYPE 2	CY	85	
605.1501	PERFORATED CORRUGATED POLYETHYLENE UNDERDRAIN TUBING, 4 INCH DIAMETER	LF	580	
606.10	BOX BEAM GUIDE RAILING	LF	165	
606.120101	BOX BEAM END PIECE	EA	1	
606.120201	BOX BEAM GUIDE RAILING END ASSEMBLY, TYPE IIA	EA	3	
607.41010010	TEMPORARY PLASTIC BARRIER FENCE	LF	40	
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY	35	
608.020102	ASPHALT SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS,AND VEGETATION CONTROL STRIPS	TON	30	
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY	4	
609.0212	STONE CURB NEAR VERTICAL FACE (NVF)	LF	430	
609.0302	STONE CURB - BRIDGE (TYPE F1)	LF	133	
610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY	780	
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	1	
619.04	TYPE III CONSTRUCTION BARRICADES	EA	22	
619.110613	(PVMS) STANDARD SIZE - FULL MATRIX (LED) NO OPTIONAL EQUIPMENT SPECIFIED, CELL COMMUNICATIONS W/NTCIP COMPLIANCE	CW	4	
619.1715	TEMPORARY POSITIVE BARRIER - CATEGORY 5 (PINNING PROHIBITED)	LF	140	
619.1719	WARNING LIGHTS ON TEMPORARY POSITIVE BARRIERS	EA	14	
620.05	STONE FILLING (HEAVY)	CY	200	
620.0801	BEDDING MATERIAL, TYPE 1	CY	55	
623.12	CRUSHED STONE (IN-PLACE MEASURE)	CY	280	
625.01	SURVEY OPERATIONS	LS	1	
627.50140008	CUTTING PAVEMENT	LF	485	
634.99010017	BUILDING CONDITION SURVEY	LS	1	
634.99020017	VIBRATION MONITORING (NONBLASTING)	LS	1	
637.04	CONCRETE CYLINDER CURING EQUIPMENT	EA	1	
637.11	ENGINEER'S FIELD OFFICE - TYPE 1	MNTH	6	
637.34	OFFICE TECHNOLOGY AND SUPPLIES	DC	3600	
645.45040124	RESTORE NEW YORK STATE HISTORIC MARKER - PANEL INCLUDING POST AND CONCRETE FOOTING	EA	1	
645.5102	GROUND-MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 32 SF, WITH Z-BARS	SF	80	
645.81	TYPE A SIGN POSTS	EA	10	
645.81090003	RETROREFLECTIVE SIGN POST STRIP	EA	6	
646.22	DELINEATOR, SNOWPLOWING MARKER, SUPPLEMENTARY SNOWPLOWING MARKER PANELS	EA	3	



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PROJECT NO: 146.168.001
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DRAWN BY: B. CATALDO
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STRUCTURAL

ESTIMATE
OF QUANTITIES
(1 OF 2)

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SHEET 73 OF 74

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TABLE OF QUANTITIES (CONTINUED)

ITEM	DESCRIPTION	UNIT	PROPOSED	AS-BUILT
646.32	STEEL POST, 2.0 LB/FT	EA	2	
647.31	RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SQUARE FEET)	EA	1	
647.61	REMOVE AND DISPOSE SIGNS, GROUND MOUNTED TYPE A SIGN SUPPORTS AND FOUNDATIONS - SIZE I (UNDER 30 SQUARE FEET)	EA	12	
655.0705	CAST FRAME F2, UNMOUNTABLE CURB BOX CU2 & RETICULINE GRATE G2	EA	5	
655.0902	PARALLEL BAR FRAME 11 PCB & PARALLEL BAR GRATE 11 PCB	EA	1	
655.1202	MANHOLE FRAME AND COVER	EA	1	
660.18510005	AIR RELEASE/BLOWOFF ASSEMBLY	EA	1	
663.0106	DUCTILE IRON CEMENT LINED WATER PIPE, 6"	LF	25	
663.0110	DUCTILE IRON CEMENT LINED WATER PIPE, 10"	LF	400	
663.0510	BRIDGE MOUNTED WATER PIPE, 10"	LF	118	
663.0604	COPPER WATER SERVICE PIPE 1"	LF	40	
663.1006	RESILIENT WEDGE VALVE & VALVE BOX, 6"	EA	2	
663.1010	RESILIENT WEDGE VALVE & VALVE BOX, 10"	EA	6	
663.1301	HYDRANT	EA	1	
663.1806	BOLTED SLEEVE TYPE COUPLING, 6"	EA	3	
663.2001	IRON WATER MAIN FITTINGS (3" - 8")	LB	260	
663.2002	IRON WATER MAIN FITTINGS (10"-16")	LB	860	
663.2106	WEDGE TYPE MECHANICAL RESTRAINT GLANDS, 6"	EA	13	
663.2110	WEDGE TYPE MECHANICAL RESTRAINT GLANDS, 10"	EA	21	
663.2504	WATER SERVICE CONNECTION, 1"	EA	1	
663.40	DISCONNECT AND CAP EXISTING WATER MAIN	EA	5	
663.42	REMOVE AND DISPOSE OF EXISTING WATER VALVE AND BOX	EA	1	
663.44	REMOVE AND DISPOSE OF EXISTING WATER SERVICE CONNECTION	EA	1	
685.1102	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	835	
685.1202	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	815	
685.3104	WHITE EPOXY REFLECTORIZED PAVEMENT SPECIAL STRIPES - 20 MIL PORTABLE/HAND APPLICATION	LF	940	
697.03	FIELD CHANGE PAYMENT	DC	164000	
698.04	ASPHALT PRICE ADJUSTMENT	DC	900	
698.05	FUEL PRICE ADJUSTMENT	DC	1100	
698.06	STEEL PRICE ADJUSTMENT	DC	100	
699.040001	MOBILIZATION	LS	1	

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ONEIDA COUNTY NEW YORK 1798

PIN 2754.67
BIN 2205960

REPLACEMENT OF OLD POLAND ROAD OVER CINCINNATI CREEK

TOWN OF TRENTON ONEIDA COUNTY, NEW YORK

LD040485

MARK	DATE	DESCRIPTION

REVISIONS

PROJECT NO: 146.168.001
DATE: MARCH 2026
DRAWN BY: B. CATALDO
DESIGNED BY: B. CATALDO
CHECKED BY: J. CRAIG

STATE OF NEW YORK
JAMES F. CRAIG
EXCELSIOR
078434
LICENSED PROFESSIONAL ENGINEER

STRUCTURAL

ESTIMATE OF QUANTITIES (2 OF 2)

EOQ-02

SHEET 74 OF 74

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