

THIS PROJECT INVOLVES THE REPLACEMENT OF THE EXISTING WATER MAIN ALONG A PORTION OF NORTH ARTHUR AVE. MAJOR WORK INCLUDES: TRENCH EXCAVATION, INSTALLATION OF NEW WATER MAIN, NEW HYDRANT, AND NEW SERVICE CONNECTIONS, NEW CURB BOXES, SAND TRENCH BACKFILL NORTH ARTHUR AVE. IN THE VILLAGE OF ENDICOTT, BROOME COUNTY, NEW YORK.

CONTRACTOR'S NAME	_____
AWARD DATE	_____
COMPLETION DATE	_____
FINAL ACCEPTANCE DATE	_____
ENGINEER IN CHARGE	_____
FINAL COST TOTAL	_____
FISCAL SHARE	COST(S)

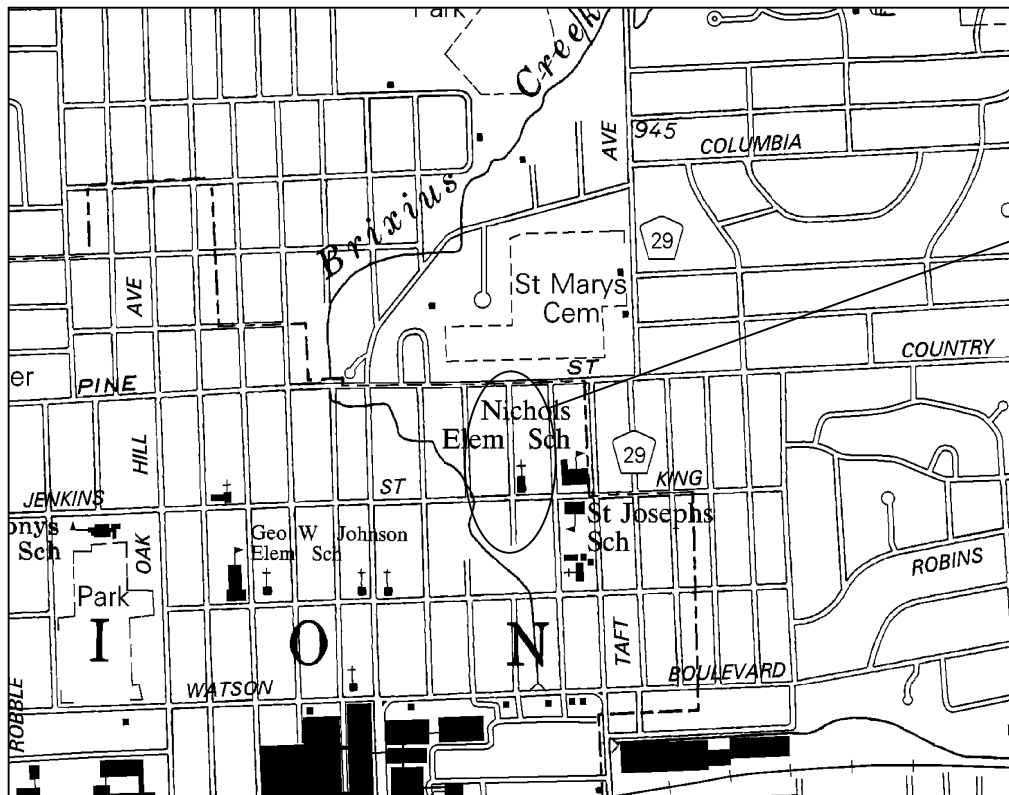


## VILLAGE OF ENDICOTT DEPARTMENT OF PUBLIC WORKS

### WATER MAIN REPLACEMENT ALONG NORTH ARTHUR AVE.

### VILLAGE OF ENDICOTT BROOME COUNTY, NEW YORK

15 CONSTRUCTION PLAN SHEETS  
13 NYSDOT STANDARD SHEETS



### LOCATION MAP

NOT TO SCALE

THIS PROJECT IS LOCATED ON NORTH ARTHUR AVENUE IN THE  
VILLAGE OF ENDICOTT, BROOME COUNTY, STATE OF NEW YORK.

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

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE NYSDOT STANDARD SPECIFICATIONS (ENGLISH UNITS) OF MAY 1, 2024, WITH CURRENT ADDITIONS AND MODIFICATIONS, EXCEPT AS MODIFIED ON THESE PLANS AND IN THE PROPOSAL.

CHANGES MADE TO THESE PLANS AND RELATED CONTRACT DOCUMENTS SINCE COMPLETION BY THE CONSULTING ENGINEER MAY BE DETERMINED BY COMPARISON WITH SUCH CONTRACT PLANS AND RELATED DOCUMENTS FILED AT THE OFFICE OF THE CONSULTING ENGINEER.

FOR DRAWING INDEX, SEE SHEET NO. 2



PREPARED AND RECOMMENDED BY

*Brian R. Tyler* 03/28/2024  
BRIAN R. TYLER, PE  
DATE  
DELTA ENGINEERS, ARCHITECTS, LAND SURVEYORS, &  
LANDSCAPE ARCHITECTS, D.P.C.  
ENDWELL, NY  
N.Y.S.P.E. NO. 095229

VILLAGE OF ENDICOTT DPW  
REPLACEMENT OF N. ARTHUR ST. WATER MAIN  
BROOME COUNTY, NEW YORK

TITLE SHEET



SCALE  
NONE

DATE  
MARCH 2024

DRAWING NO.  
COVER

SHEET  
1 OF 15

IN CHARGE OF : CJM DESIGNED BY : SMS CHECKED BY : CJM/VOE WATER DEPT. DETAILED BY : SMS CHECKED BY : CJM

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

ALIGNMENT		TOPOGRAPHY (MISCELLANEOUS)		UTILITIES	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AH	AHEAD	ABUT	ABUTMENT	E	ELECTRIC
AZ	AZIMUTH	AOBE	AS ORDERED BY ENGINEER	EMH	ELECTRIC MANHOLE
BK	BACK	ASPH	ASPHALT	G	GAS
BL	BASELINE	BDY	BOUNDARY	GP	GUY POLE
BRG	BEARING	BLDG	BUILDING	GSB	GAS SERVICE BOX (HOUSE LINE)
CL	CENTERLINE	BM	BENCH MARK	GV	GAS VALVE (MAIN LINE)
CS	CURVE TO SPIRAL	CC	CENTER TO CENTER	HYD	HYDRANT
e	SUPERELEVATION RATE (CROSS SLOPE)	CONC	CONCRETE	LP	LIGHT POLE
EQ	EQUALITY	CONST	CONSTRUCTION	LPG	LOW PRESSURE GAS
EXT	EXTERNAL	CR	COUNTY ROAD	PP	POWER POLE
HCL	HORIZONTAL CONTROL LINE	D	DEED DISTANCE	SA	SANITARY SEWER
HSD	HEADLIGHT SIGHT DISTANCE	DM	DIRECT MEASUREMENT	SMH	SANITARY MANHOLE
L	LENGTH OF CIRCULAR CURVE	DWY	DRIVEWAY	ST	STORM SEWER
LS	LENGTH OF SPIRAL	EP	EDGE OF PAVEMENT	T	TELEPHONE
LVC	LENGTH OF VERTICAL CURVE	ES	EDGE OF SHOULDER	TCB	TRAFFIC CONTROL BOX
E	CENTER CORRECTION OF VERTICAL CURVE	FEE	FEE ACQUISITION	TELBOX	TELEPHONE BOX
M	MAIN LINE	FEE WO/A	FEE ACQUISITION WITHOUT ACCESS	TEL P	TELEPHONE POLE
PC	POINT OF CURVATURE	FP	FENCE POST	TMH	TELEPHONE MANHOLE
PI	POINT OF INTERSECTION	FD	FOUNDATION	CTV	CABLE TELEVISION
POL	POINT ON LINE	FL	FENCE LINE	W	WATER
PSD	PASSING SIGHT DISTANCE	GAR	GARAGE	WSB	WATER SERVICE BOX (HOUSE LINE)
PT	POINT OF TANGENT	GR	GRAVEL	WV	WATER VALVE (MAIN LINE)
PVC	POINT OF VERTICAL CURVE	HO	HOUSE	SUBSURFACE EXPLORATION	
PVI	POINT OF VERTICAL INTERSECTION	HWY	HIGHWAY		
PVT	POINT OF VERTICAL TANGENT	IP	IRON PIN OR IRON PIPE	ABBR.	DESCRIPTION
R	RADIUS	MB	MAILBOX	REPLACE ABBREVIATION "AB" WITH:	
SC	SPIRAL TO CURVE	MON	MONUMENT	AH	HAND AUGER
SSD	STOPPING SIGHT DISTANCE	N&W	NAIL AND WASHER	CP	CONE PENTROMETER
ST	SPIRAL TO TANGENT	OG	ORIGINAL GROUND	DA	2 1/4 INCHES CASSED DRILL HOLE
STA	STATION	O/H	OVERHEAD	DM	DRILLING MUD
T	TANGENT LENGTH	P	PARCEL	DN	4 INCHES CASSED DRILL HOLE
TGL	THEORETICAL GRADE LINE	PAV'T	PAVEMENT	FH	HOLLOW FLIGHT AUGER
TS	TANGENT TO SPIRAL	PE	PERMANENT EASEMENT	PA	POWER AUGER
VC	VERTICAL CURVE	PED POLE	PEDESTRIAN POLE	PH	PROBE
TOPOGRAPHY (DRAINAGE)		R	PROPERTY LINE	PT	PERCOLATION TEST HOLE
		POR	PORCH	RP	1 INCH SAMPLER (RETRACTABLE PLUG)
ABBR.	DESCRIPTION	RR	RAILROAD	ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH:	
BB	BOTTOM OF BANK (STREAM)	RTE	ROUTE	B	BRIDGE
BC	BOTTOM OF CURB	ROW	RIGHT OF WAY	C	CUT
BO	BOTTOM OF OPENING	RW	RETAINING WALL	D	DAM
CAP	CORRUGATED ALUMINUM PIPE	SH	STATE HIGHWAY	F	FILL
CB	CATCH BASIN	SHLDR	SHOULDER	K	CULVERT
CIP	CAST IRON PIPE	SPK	SPIKE	W	WALL
CL STRM	CENTERLINE OF STREAM	ST	STREET	X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE
CMP	CORRUGATED METAL PIPE	STK	STAKE		
CP	CONCRETE PIPE	STY	STORY		
CSP	CORRUGATED STEEL PIPE	SW	SIDEWALK		
CULV	CULVERT	TE	TEMPORARY EASEMENT		
DIA	DIAMETER	TO	TEMPORARY OCCUPANCY		
DMH	DRAINAGE MANHOLE	U/G	UNDERGROUND		
DS	DRAINAGE STRUCTURE PIPE	WW	WING WALL		
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				

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


DRAWING INDEX		
SHEET NUMBER	DESCRIPTION	DRAWING NUMBER
1	TITLE SHEET	COVER
2	INDEX AND ABBREVIATIONS	INDEX
3	LEGEND AND POINT SYMBOLOGY	LEG-1
4	LEGEND AND LINE SYMBOLOGY	LEG-2
5	WATER MAIN TRENCH SECTION	TYP-01
6	GENERAL NOTES	GN-01
7	ALIGNMENT CONTROLS	ALG-01
8	WATER MAIN DETAILS	MSD-01
9 TO 12	GENERAL PLANS	GNP-01 THRU GNP-04
13 TO 15	WATERLINE PROFILES	PRO-01 THRU PRO-03

NYS DOT STANDARD SHEETS

- 209-03 DRAINAGE STRUCTURE INLET PROTECTION (2 SHEETS)
- 619-002 TYPE III CONSTRUCTION BARRICADES (2 SHEETS)
- 619-004 PORTABLE TEMPORARY WOODEN SIGN SUPPORT
- 619-010 WORK ZONE TRAFFIC CONTROL GENERAL NOTES
- 619-011 WORK ZONE TRAFFIC CONTROL GENERAL TABLES AND LEGEND
- 619-012 SIGN TABLE (2 SHEETS)
- 663-01 WATER MAIN PIPE INSTALLATION DETAILS
- 663-02 WATER MAIN HORIZONTAL THRUST RESTRAINT DETAILS
- 663-03 WATER MAIN VERTICAL THRUST RESTRAINT DETAILS
- 663-04 WATER MAIN UTILITY CROSSING RELOCATION DETAILS
- 663-05 WATER MAIN HYDRANT AND VALVE DETAILS
- 663-07 WATER MAIN SERVICE CONNECTION DETAILS

VILLAGE OF ENDICOTT DPW  
REPLACEMENT OF N. ARTHUR ST. WATER MAIN  
BROOME COUNTY, NEW YORK

INDEX AND ABBREVIATIONS
























































































































































ENGINEERS, ARCHITECTS, & SURVEYORS

SCALE  
NONE

DATE  
MARCH 2024

DRAWING NO.  
INDEX

SHEET  
2 OF 15

ALIGNMENT			DRAINAGE			ITS			ROW MAPPING			SIGNS			UTILITIES		
CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION
	ACC	CENTER OF CURVATURE		DINV	INVERT		IANT P	ANTENNAS		MDL1P	DEED LINE, TYPE 1		S	SINGLE POST		UEB	ELECTRIC, BOX
	ACOGO	COGO		DS	STRUCTURE, RECTANGULAR		IASCTS	ACCOU. SPEED/COUNT SNSR.S		MDL2P	DEED LINE, TYPE 2		S.P	SINGLE POST, PROPOSED		UEM	ELECTRIC, METER
	ACS	CURVE TO SPIRAL		DSI	STRUCTURE, INVERT		ICABPAD	CABINET & PAD		MDL3P	DEED LINE, TYPE 3		SB.P	BACK TO BACK, PROPOSED		UEMH	ELECTRIC, MANHOLE
	ADPI.P	DETOUR, POINT OF INTERSECT.		DSM	STRUCTURE, MANHOLE		ICCTV	CCTV SITE		MDL4P	DEED LINE, TYPE 4		SDEL	DELINEATORS		UEPT	ELECTRIC, POLE, TRANS.
	ADPL.P	DETOUR, POINT ON LINE		DSMTXX.P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96		ICDPD	CDPD TRANSCEIVER		MDL5P	DEED LINE, TYPE 5		SPM	PARKING METER		UGM	GAS, METER
	AEQN	EQUATION		DSMTXX.P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96		ICELLT	CELL PHONE TOWER		MEEP	EASEMENT, EXISTING		SRM	REFERENCE MARKERS		UGMH	GAS, MANHOLE
	AEQNAHD	EQUATION AHEAD		DSR	STRUCTURE, ROUND		ICJB	CONDUIT JACK OR BORING		MEPAP.P	EASEMENT, PERM., APPROX.		SRSC3	SHLD, CTY, 123 DIG.		UGLM	GAS, LINE MARKER
	AEQNBK	EQUATION BACK		DSR	STRUCTURE, ROUND		ICNTLCAB	CONTROLLER CABINET		MEPP.P	EASEMENT, PERM., BACK LINE		SRSC4	SHLD, CTY, 4 DIG.		UGP	GAS/FUEL PUMP
	AEVT	EVENT STATION		DST"X"CB P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R		ICPB	COMMUNICATION PULL BOX		MEPSP.P	EASEMENT, PERM., SHAPE		SRSCT2	SHLD, CTY TOUR, 1-2 DIG.		UGV	GAS, VALVE
	APC	POINT OF CURVATURE		DST"X" P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U		ICTD	CONDUIT TURNING DOWN		MFAP.P	FEE ACQUISITION, APPROX.		SRSCT4	SHLD, CTY TOUR, 3-4 DIG.		UGVT	GAS, VENT
	APCC	POINT OF COMPOUND CURVATURE		DST"X" P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U		ICTU	CONDUIT TURNING UP		MFP.P	FEE ACQUISITION, BACK LINE		SRS1	SHLD, INTERSTATE		ULP	LIGHTING, POLE
	API	POINT OF INTERSECTION		DST"X" P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U		ICVTRT	COMM. VEH. ROAD TRANSCEIVER		MFSP.P	FEE ACQUISITION, SHAPE		SRSN2	SHLD, NATIONAL, 2 DIG.		ULPM	LIGHTING, POLE, MEDIAN
	APOB	POINT OF BEGINNING		DST"X" P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U		IDEFAULT	DEFAULT		MHBAP	HIGHWAY BNDRY., APPROX.		SRSN3	SHLD, NATIONAL, 3 DIG.		ULPP	LIGHTING, POLE, PED.
	APOC	POINT OF CURVATURE		EIOP.P	STR., INLET, OUTLET PROT.		IEZR	E-ZPASS READER		MHBCP	HISTORICAL, BLDG. CORNERS		SRSS2	SHLD, STATE, 2 DIG.		UMFC	MISC. FILLER CAP
	APOE	POINT OF END		EIPGB.P	STR., INLET PROT., GRAVEL BAG		IEZTR	TRANSMITTAL READER		MHBP	HIGHWAY BNDRY, PT.		SRSS3	SHLD, STATE, 3 DIG.		UOLM	OIL, LINE MARKER
	APOL	POINT ON LINE		EIPHS.P	STR., INLET PROT., HAY/STRAW		IFOXCAB	FIBER OPTIC X-CONNECT CABINET		MJCP	PT., JURIS. CITY		UP	POLE, WITH UTILITY		UPD	POLE, DEAD (NO UTILITY)
	APOS	POINT ON SPIRAL		EIPP.P	STR., INLET PROT., PREFAB.		IFUSSPL	FUSION SPLICE		MPBC	PT., BUILDING CORNER	TRAFFIC CONTROL				UPL	POLE, WITH LIGHT
	APOT	POINT ON TANGENT		EIPSF.P	STR., INLET PROT., SILT FENCE		IHARADV	HAR ADVISORY SIGN		MPCC	PT., CROSS CUT		TCBJ	BOX, JUNCTION		USMH	SANITARY SEWER MANHOLE
	APOVC	POINT ON VERTICAL CURVE		ETRS.P	TRAP, SEDIMENT		IHARST	HAR SITE		MPDH	PT., DRILL HOLE		TCBP	BOX, PULL BOX		UTB	TELEPHONE, BOOTH
	APOVT	POINT ON VERTICAL TANGENT		EWFG	WETLAND FLAG		ILC	LOAD CENTER		MPF	PT., FENCE LOCATION		TCBS	BOX, SPLICE		UTLM	TELEPHONE, LINE MARKER
	APORC	POINT ON REVERSE CURVE		IMSCS	PORT. SPEED & COUNT SENSOR		IMECSPL	MECHANICAL SPLICE		MPIP	PT., IRON PIPE		TCMC	MICROCOMPUTER CABINET		UTMH	TELEPHONE, MANHOLE
	APT	POINT OF TANGENCY		IMSCTS	MICRO SPEED & COUNT SENSOR		IMC	MECHANICAL SPLICE		MPIR	PT., IRON ROD		TCPP	PED POLE		UTVLM	CABLE TV, LINE MARKER
	APVC	POINT OF VERTICAL CURVATURE		IMT	MICROWAVE TRANSCEIVER		IPM	PORT. SPEED & COUNT SENSOR		MPM	PT., MONUMENT		TCSP	SIGNAL HEADS		UTVPB	CABLE TV, PULL BOX
	APVCC	POINT OF VERT. CMPND CURVE		IOVHVS	PERM. OVERHEAD VMS		IPASCS	PORT. ACCOU. SPD & CNT. SENSOR		MPN	PT., NAIL	TRAFFIC WORK ZONE				UUB	UNKNOWN, BOX
	APVI	POINT OF VERT. INTERSECTION		IPEDS	PEDESTRIAN SIGNAL HEAD		IPSS	PAVEMENT SURFACE SENSOR		MPRS	PT., RAILROAD SPIKE		TWZAP.P	ARROW PANEL		UUB	UNKNOWN, BOX
	APVRC	POINT OF VERT. REVERSE CURVE		IPVMS	PERM. VMS		IPRM	RAMP METER		MPST	PT., STAKE		TWZAPC.P	ARROW PANEL, CAUTION MODE		UUB	UNKNOWN, BOX
	APVT	POINT OF VERTICAL TANGENCY															



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

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

VILLAGE OF ENDICOTT DPW  
REPLACEMENT OF N. ARTHUR ST. WATER MAIN  
BROOME COUNTY, NEW YORK

LEGEND AND LINE SYMBOLOGY

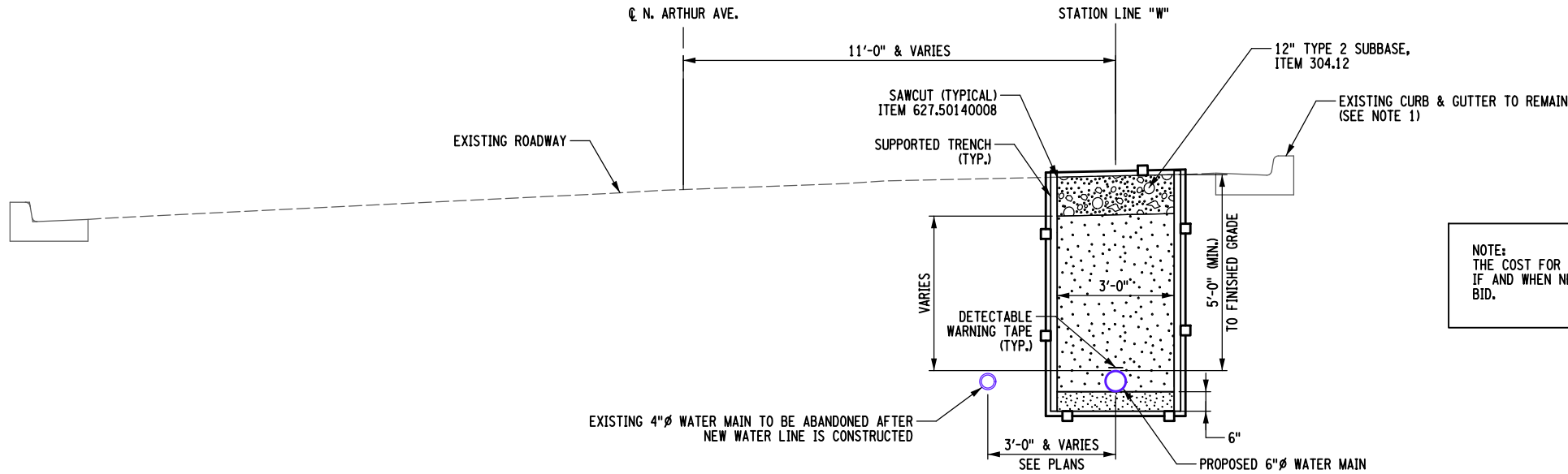


SCALE  
NONE

DRAWING NO.  
LEG-2

DATE  
MARCH 2024

SHEET  
4 OF 15



NOTE:  
THE COST FOR THE CONTRACTOR'S USE OF A TRENCH BOX,  
IF AND WHEN NEEDED, SHALL BE INCLUDED IN THE ITEMS  
BID.

#### LEGEND

- NEW DUCTILE IRON CEMENT LINED WATER PIPE, 6",  
ITEM 663.0106
- SELECT GRANULAR FILL, ITEM 203.07
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES  
PAYMENT LINES FOR TRENCH AND CULVERT  
EXCAVATION, ITEM 206.0201
- SUBBASE TYPE 2, ITEM 304.12



#### NOTES:

- CONCRETE CURB & GUTTER IS PRESENT ALONG THE EAST SIDE OF NORTH ARTHUR AVE. CONTRACTOR SHALL PROTECT THE CURB AT ALL TIMES. ANY DAMAGE CAUSED BY THIS PROJECT TO THE EXISTING CURB SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE VILLAGE.
- CONTRACTOR SHALL REFER TO CURRENT NYSDOT HIGHWAY STANDARD SHEET 663-01 TITLED, "WATER MAIN PIPE INSTALLATION DETAILS" FOR ADDITIONAL DETAILS AND NOTES.
- SEE DWG. MSD-01 FOR WATER MAIN DETAILS.
- TRENCH RESTORATION SHALL BE BROUGHT TO AND MATCH ADJACENT FINISHED GRADE USING ITEM 304.12.

VILLAGE OF ENDICOTT DPW  
REPLACEMENT OF N. ARTHUR ST. WATER MAIN  
BROOME COUNTY, NEW YORK

WATER MAIN TRENCH SECTION

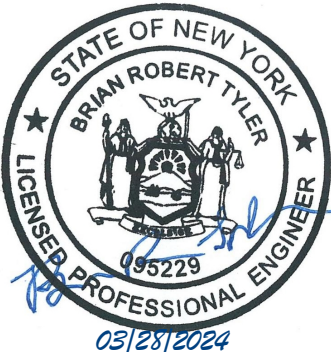
**DELTA**  
ENGINEERS, ARCHITECTS, & SURVEYORS

SCALE  
AS SHOWN  
DATE  
MARCH 2024

DRAWING NO.  
TYP-01  
SHEET  
5 OF 15







ROADWAY ALIGNMENT CONTROL				
PROJECT NAME: ARTHUR AVE DESCRIPTION: HORIZONTAL ALIGNMENT NAME: ARTHUR AVE DESCRIPTION: STYLE: AC P				
ELEMENT: LINEAR		STATION	NORTHING	EASTING
POB ( 1)	A 10+00.00	770053.0270	967132.2731	
EQNBK ( )	A 0+00.00	770053.0270	967132.2731	
EQNAHD ( )	A 10+00.00	770053.0270	967132.2731	
PC ( 2)	A 13+26.63	770379.1780	967114.5632	
TANGENT DIRECTION:	356°53'30.8911"			
TANGENT LENGTH:	326.63			
ELEMENT: CIRCULAR				
PC ( 2)	A 13+26.63	770379.1780	967114.5632	
PI ( )	A 15+91.41	770643.5668	967100.2070	
CC ( 4)		780138.7294	1146849.7883	
PT ( 5)	A 18+56.19	770907.9966	967086.6287	
RADIUS:	180000.00			
DELTA:	0°10'06.8266" RIGHT			
DEGREE OF CURVATURE(ARC):	0°01'54.5916"			
LENGTH:	529.56			
TANGENT:	264.78			
CHORD:	529.56			
MIDDLE ORDINATE:	0.19			
EXTERNAL:	0.19			
TANGENT DIRECTION:	356°53'30.8911"			
RADIAL DIRECTION:	86°53'30.8911"			
CHORD DIRECTION:	356°58'34.3044"			
RADIAL DIRECTION:	87°03'37.7177"			
TANGENT DIRECTION:	357°03'37.7177"			
ELEMENT: LINEAR				
PT ( 5)	A 18+56.19	770907.9966	967086.6287	
POE ( 3)	A 20+29.54	771081.1180	967077.7390	
TANGENT DIRECTION:	357°03'37.7177"			
TANGENT LENGTH:	173.35			

6" WATER MAIN ALIGNMENT CONTROL				
PROJECT NAME: ARTHUR AVE DESCRIPTION: HORIZONTAL ALIGNMENT NAME: WATER MAIN ALG DESCRIPTION: STYLE: AC P				
ELEMENT: LINEAR		STATION	NORTHING	EASTING
POB ( 6)	W 20+00.00	770059.1526	967144.5884	
EQNBK ( )	0+00.00	770059.1526	967144.5884	
EQNAHD ( )	W 20+00.00	770059.1526	967144.5884	
PI ( 7)	W 20+04.50	770063.6475	967144.3757	
TANGENT DIRECTION:	357°17'25.2111"			
TANGENT LENGTH:	4.50			
ELEMENT: LINEAR				
PI ( 7)	W 20+04.50	770063.6475	967144.3757	
PI ( 8)	W 20+39.59	770098.7008	967142.7167	
TANGENT DIRECTION:	357°17'25.2111"			
TANGENT LENGTH:	35.09			
ELEMENT: LINEAR				
PI ( 8)	W 20+39.59	770098.7008	967142.7167	
PI ( 9)	W 20+51.63	770110.7269	967142.1475	
TANGENT DIRECTION:	357°17'25.2111"			
TANGENT LENGTH:	12.04			
ELEMENT: LINEAR				
PI ( 9)	W 20+51.63	770110.7269	967142.1475	
PI ( 10)	W 21+06.96	770165.9910	967139.5320	
TANGENT DIRECTION:	357°17'25.2111"			
TANGENT LENGTH:	55.33			
ELEMENT: LINEAR				
PI ( 10)	W 21+06.96	770165.9910	967139.5320	
PI ( 11)	W 21+18.37	770177.3941	967138.9923	
TANGENT DIRECTION:	357°17'25.2111"			
TANGENT LENGTH:	11.42			
ELEMENT: LINEAR				
PI ( 11)	W 21+18.37	770177.3941	967138.9923	
PI ( 12)	W 21+50.00	770208.9842	967137.4972	
TANGENT DIRECTION:	357°17'25.2111"			
TANGENT LENGTH:	31.63			
ELEMENT: LINEAR				
PI ( 12)	W 21+50.00	770208.9842	967137.4972	
PI ( 13)	W 22+23.29	770282.0668	967132.0416	
TANGENT DIRECTION:	355°43'50.7197"			
TANGENT LENGTH:	73.29			
ELEMENT: LINEAR				
PI ( 13)	W 22+23.29	770282.0668	967132.0416	
PI ( 14)	W 22+56.59	770315.3188	967130.1866	
TANGENT DIRECTION:	356°48'25.3886"			
TANGENT LENGTH:	33.30			
ELEMENT: LINEAR				
PI ( 14)	W 22+56.59	770315.3188	967130.1866	
PI ( 15)	W 22+64.58	770323.2985	967129.7407	
TANGENT DIRECTION:	356°48'05.3614"			
TANGENT LENGTH:	7.99			
ELEMENT: LINEAR				
PI ( 15)	W 22+64.58	770323.2985	967129.7407	
PI ( 16)	W 23+24.21	770382.8405	967126.4524	
TANGENT DIRECTION:	356°50'20.5048"			
TANGENT LENGTH:	59.63			
ELEMENT: LINEAR				
PI ( 16)	W 23+24.21	770382.8405	967126.4524	
PI ( 17)	W 23+81.42	770439.9574	967123.3029	
TANGENT DIRECTION:	356°50'37.5146"			
TANGENT LENGTH:	57.20			
ELEMENT: LINEAR				
PI ( 17)	W 23+81.42	770439.9574	967123.3029	
PI ( 18)	W 24+18.04	770476.5193	967121.1746	
TANGENT DIRECTION:	356°40'07.0413"			
TANGENT LENGTH:	36.62			
ELEMENT: LINEAR				
PI ( 18)	W 24+18.04	770476.5193	967121.1746	
PI ( 19)	W 25+01.22	770559.5799	967116.7411	
TANGENT DIRECTION:	356°56'40.6438"			
TANGENT LENGTH:	83.18			
ELEMENT: LINEAR				
PI ( 19)	W 25+01.22	770559.5799	967116.7411	
PI ( 20)	W 25+03.65	770562.0037	967116.6117	
TANGENT DIRECTION:	356°56'40.6438"			
TANGENT LENGTH:	2.43			
ELEMENT: LINEAR				
PI ( 20)	W 25+03.65	770562.0037	967116.6117	
PI ( 21)	W 25+44.60	770602.9061	967114.5484	
TANGENT DIRECTION:	357°06'43.7608"			
TANGENT LENGTH:	40.95			
ELEMENT: LINEAR				
PI ( 21)	W 25+44.60	770602.9061	967114.5484	
PI ( 22)	W 25+90.07	770648.3207	967112.3914	
TANGENT DIRECTION:	357°16'50.5294"			
TANGENT LENGTH:	45.47			
ELEMENT: LINEAR				
PI ( 22)	W 25+90.07	770648.3207	967112.3914	
PI ( 23)	W 26+17.00	770675.2185	967111.1138	
TANGENT DIRECTION:	357°16'50.5294"			
TANGENT LENGTH:	26.93			
ELEMENT: LINEAR				
PI ( 23)	W 26+17.00	770675.2185	967111.1138	
PI ( 24)	W 26+72.24	770730.3816	967108.2080	
TANGENT DIRECTION:	356°59'04.4769"			
TANGENT LENGTH:	55.24			

6" WATER MAIN ALIGNMENT CONTROL (CONT'D)				
PROJECT NAME: ARTHUR AVE DESCRIPTION: HORIZONTAL ALIGNMENT NAME: WATER MAIN ALG DESCRIPTION: STYLE: AC P				
ELEMENT: LINEAR		STATION	NORTHING	EASTING
PI ( 24)	W 26+72.24	770730.3816	967108.2080	
PI ( 25)	W 27+23.72	770781.7885	967105.3525	
TANGENT DIRECTION:	356°49'14.5367"			
TANGENT LENGTH:	51.49			
ELEMENT: LINEAR				
PI ( 25)	W 27+23.72	770781.7885	967105.3525	
PI ( 26)	W 27+29.63	770787.6911	967105.0119	
TANGENT DIRECTION:	356°41'50.1718"			
TANGENT LENGTH:	5.91			
ELEMENT: LINEAR				
PI ( 26)	W 27+29.63	770787.6911	967105.0119	
PI ( 27)	W 27+73.87	770831.8580	967102.4631	
TANGENT DIRECTION:	356°41'50.1718"			
TANGENT LENGTH:	44.24			
ELEMENT: LINEAR				
PI ( 27)	W 27+73.87	770831.8580	967102.4631	
PI ( 28)	W 27+82.60	770840.5738	967101.9602	
TANGENT DIRECTION:	356°41'50.1718"			
TANGENT LENGTH:	8.73			
ELEMENT: LINEAR				
PI ( 28)	W 27+82.60	770840.5738	967101.9602	
PI ( 29)	W 28+22.80	770880.7020	967099.6445	
TANGENT DIRECTION:	356°41'50.1718"			
TANGENT LENGTH:	40.19			
ELEMENT: LINEAR				
PI ( 29)	W 28+22.80	770880.7020	967099.6445	
PI ( 30)	W 28+68.74	770926.5674	967097.0192	
TANGENT DIRECTION:	356°43'26.7073"			
TANGENT LENGTH:	45.94			
ELEMENT: LINEAR				
PI ( 30)	W 28+68.74	770926.5674	967097.0192	
PI ( 31)	W 28+74.50	770932.3181	967096.6991	
TANGENT DIRECTION:	356°48'48.8334"			
TANGENT LENGTH:	5.76			
ELEMENT: LINEAR				
PI ( 31)	W 28+74.50	770932.3181	967096.6991	
PI ( 32)	W 28+79.43	770935.6070	967093.0224	
TANGENT DIRECTION:	311°48'48.8334"			
TANGENT LENGTH:	4.93			
ELEMENT: LINEAR				
PI ( 32)	W 28+79.43	770935.6070	967093.0224	
PI ( 33)	W 29+73.43	771029.4814	967088.2202	
TANGENT DIRECTION:	357°04'17.5051"			
TANGENT LENGTH:	94.00			
ELEMENT: LINEAR				
PI ( 33)	W 29+73.43	771029.4814	967088.2202	
PI ( 34)	W 29+96.29	771052.3095	967087.0524	
TANGENT DIRECTION:	357°04'17.5051"			
TANGENT LENGTH:	22.86			
ELEMENT: LINEAR				
PI ( 34)	W 29+96.29	771052.3095	967087.0524	
POE ( 35)	W 29+98.59	771053.8535	967085.3420	
TANGENT DIRECTION:	312°04'17.5051"			
TANGENT LENGTH:	2.30			

NOTE:  
BENCHMARK DATA WILL BE PROVIDED TO THE CONTRACTOR THAT IS AWARDED THE PROJECT.

VILLAGE OF ENDICOTT DPW  
REPLACEMENT OF N. ARTHUR ST. WATER MAIN  
BROOME COUNTY, NEW YORK

ALIGNMENT CONTROLS



SCALE  
NONE

DRAWING NO.  
ALG-01

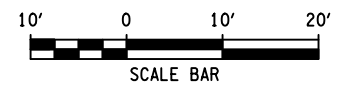
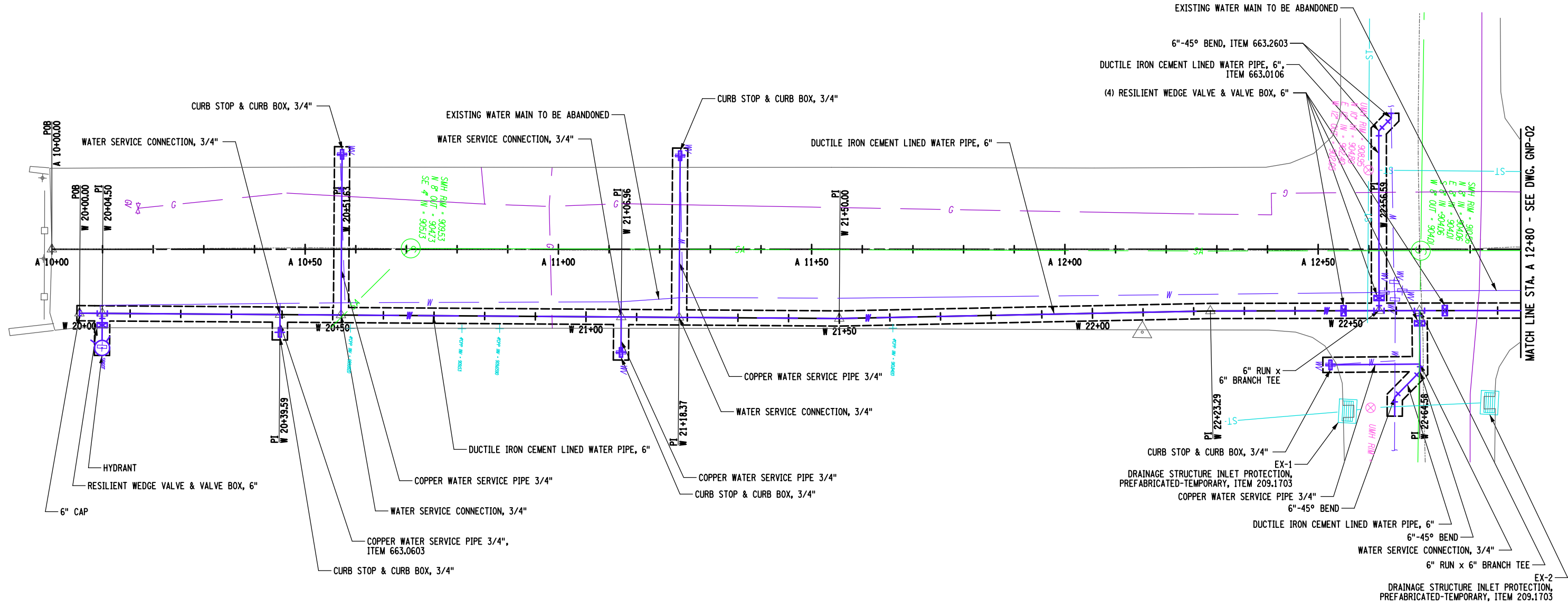
DATE  
MARCH 2024

SHEET  
OF 15





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DESIGNED BY : CJM  
CHECKED BY : CJM  
DETAILED BY : SMS  
CHECKED BY : CJM



NOTE:  
CONTRACTOR SHALL INSTALL WATER MAIN AND ASSOCIATED ITEMS.  
ALL WATER MAIN ITEMS TO BE PROVIDED BY THE VILLAGE OF ENDICOTT. ITEMS SHALL BE COMPLIANT WITH THE FOLLOWING  
NYSDOT SPECIFICATIONS: 663.2503, 663.0603, 663.2001, 663.0106, 663.1301, 663.2603, AND 663.1006.

VILLAGE OF ENDICOTT DPW REPLACEMENT OF N. ARTHUR ST. WATER MAIN BROOME COUNTY, NEW YORK		
GENERAL PLAN - I		
	SCALE AS SHOWN	DRAWING NO. GNP-01
	DATE MARCH 2024	SHEET 9 OF 15

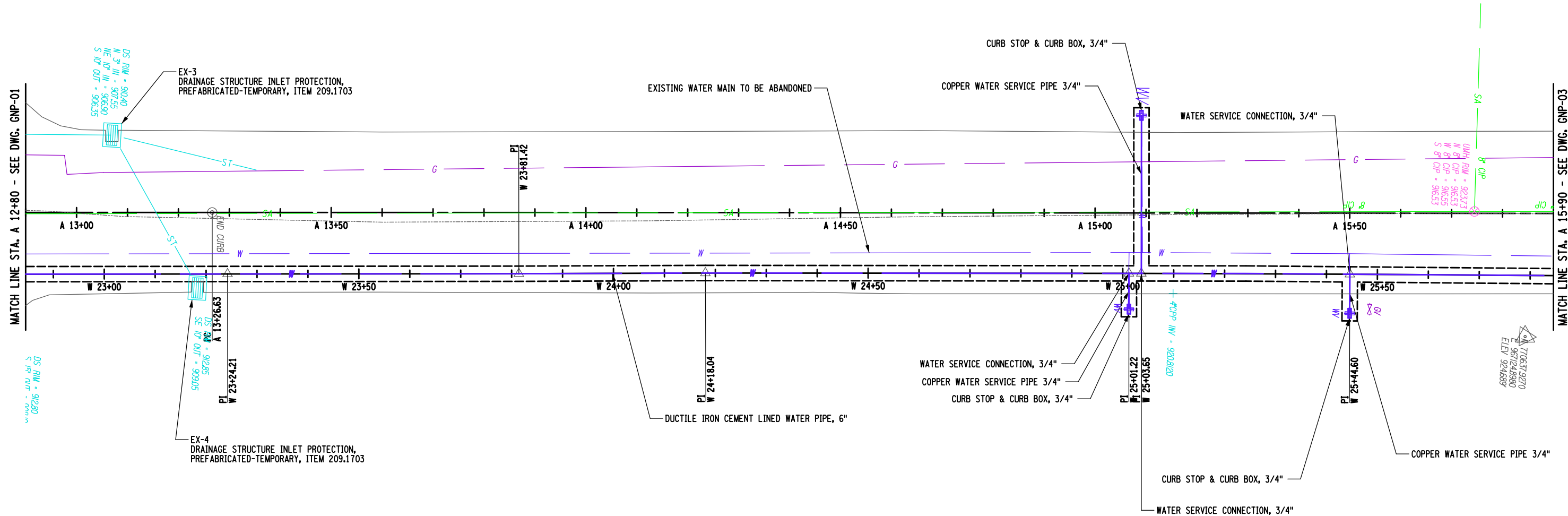
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IN CHARGE OF : **CJM**

THE DOCUMENT AND INCLUDE THE NO  
: CJM/VOE WATER DEPT.

OLLOWED BY THEIR SIGNAL  
DETAILED BY : SMS

CHECKED BY : CJM



**NOTE:**

CONTRACTOR SHALL INSTALL WATER MAIN AND ASSOCIATED ITEMS. ALL WATER MAIN ITEMS TO BE PROVIDED BY THE VILLAGE OF ENDICOTT. ITEMS SHALL BE COMPLIANT WITH THE FOLLOWING NYSDOT SPECIFICATIONS: 663.2503, 663.0603, 663.2001, 663.0106, 663.1301, 663.2603, AND 663.1006.

VILLAGE OF ENDICOTT DPW  
REPLACEMENT OF N. ARTHUR ST. WATER MAIN  
BROOME COUNTY, NEW YORK

GENERAL PLAN - II



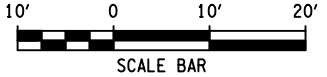
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DATE  
MARCH 2024

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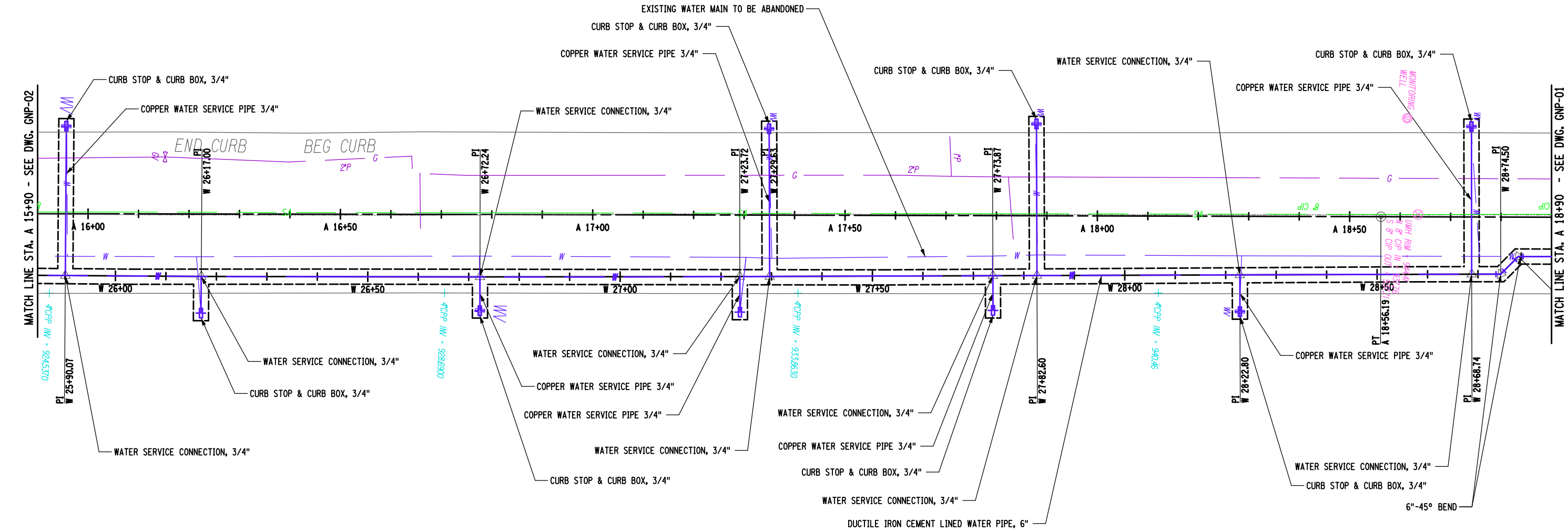
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SHEET  
10 OF 15



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IN CHARGE OF : CJM  
DESIGNED BY : CJM  
CHECKED BY : SMS  
DETAILED BY : SMS  
CHECKED BY : CJM

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



VILLAGE OF ENDICOTT DPW  
REPLACEMENT OF N. ARTHUR ST. WATER MAIN  
BROOME COUNTY, NEW YORK

GENERAL PLAN - III

**DELTA**  
ENGINEERS, ARCHITECTS, & SURVEYORS

SCALE  
AS SHOWN  
DATE  
MARCH 2024

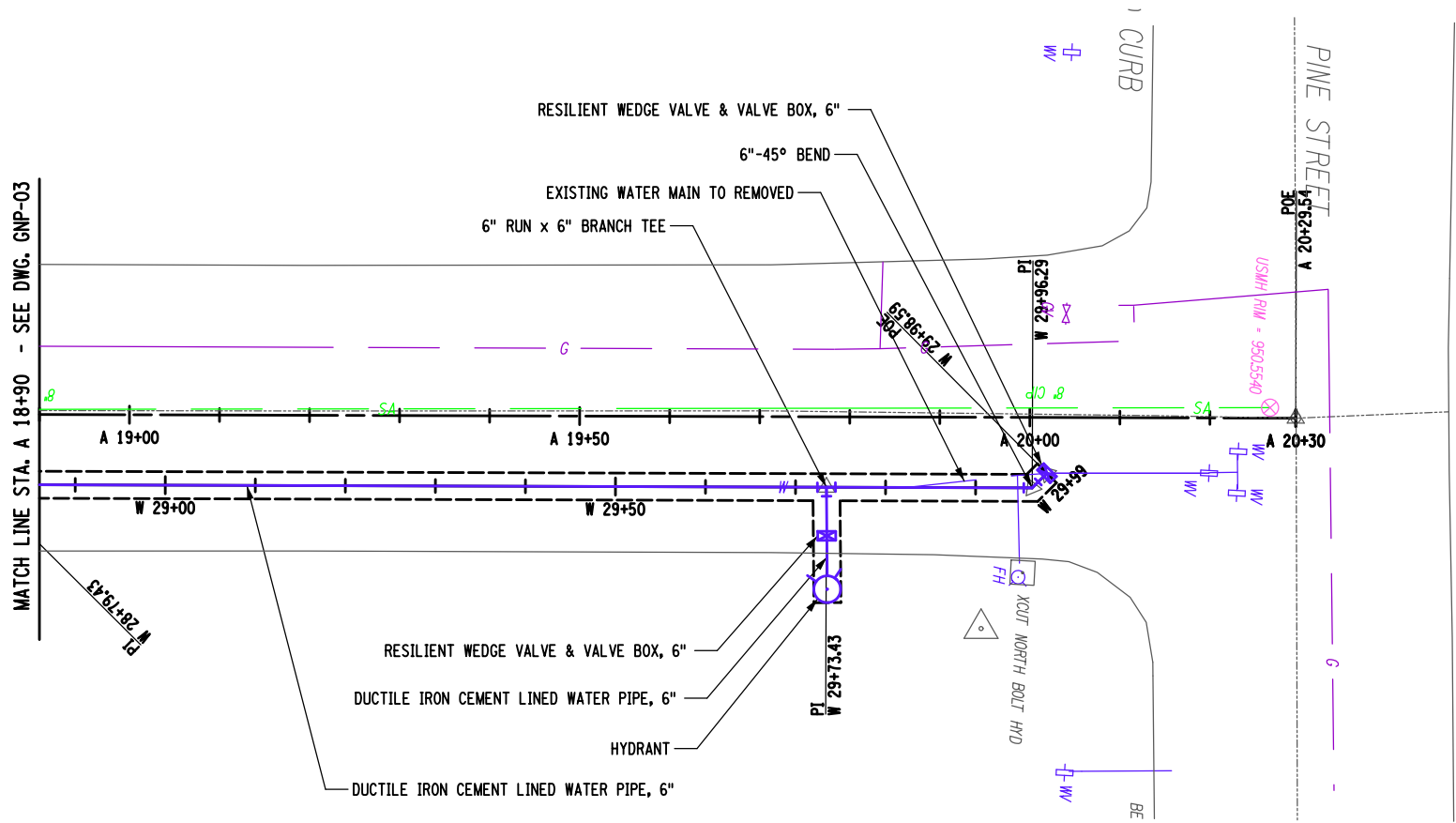
DRAWING NO.  
GNP-03  
SHEET  
11 OF 15

NOTE:

CONTRACTOR SHALL INSTALL WATER MAIN AND ASSOCIATED ITEMS. ALL WATER MAIN ITEMS TO BE PROVIDED BY THE VILLAGE OF ENDICOTT. ITEMS SHALL BE COMPLIANT WITH THE FOLLOWING NYSDOT SPECIFICATIONS: 663.2503, 663.0603, 663.2001, 663.0106, 663.1301, 663.2603, AND 663.1006.



FILE NAME = I:\2023\2023.561.001 Trans - Town of Union 3000 Block N. Ave\Drawings\Highway\plans\2023.561.001\_cph-rwy-pln-gnp\_04.dgn  
USER = smith  
DATE = 3/28/2024  
IN CHARGE OF : CJM  
DESIGNED BY : CJM  
CHECKED BY : CJM  
DETAILED BY : SMS  
CHECKED BY : SMS  
IF IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



NOTE:  
CONTRACTOR SHALL INSTALL WATER MAIN AND ASSOCIATED ITEMS. ALL WATER MAIN ITEMS TO BE PROVIDED BY THE VILLAGE OF ENDICOTT. ITEMS SHALL BE COMPLIANT WITH THE FOLLOWING NYSDOT SPECIFICATIONS: 663.2503, 663.0603, 663.2001, 663.0106, 663.1301, 663.2603, AND 663.1006.



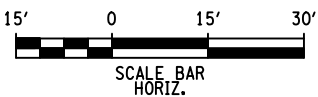
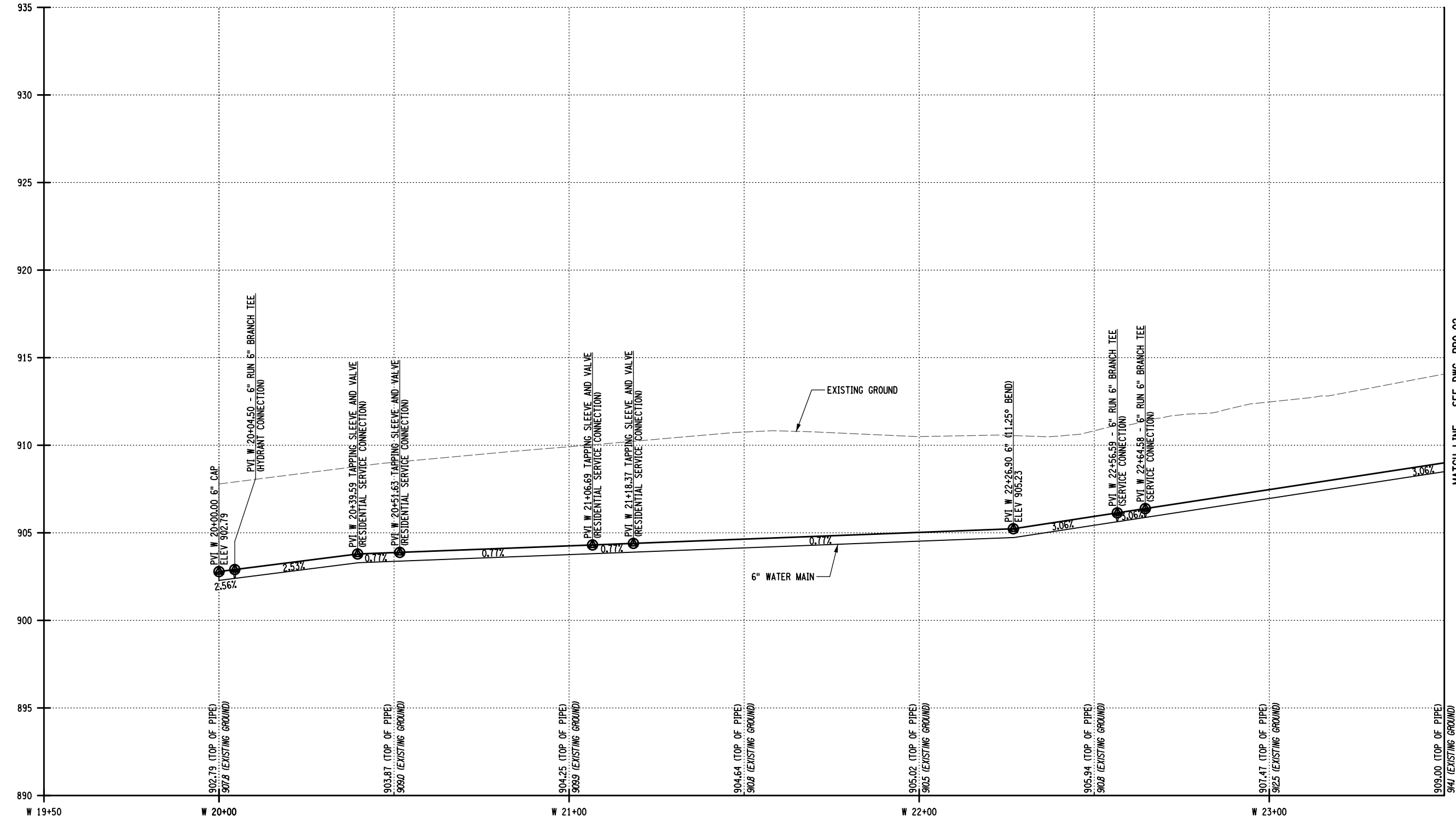
VILLAGE OF ENDICOTT DPW  
REPLACEMENT OF N. ARTHUR ST. WATER MAIN  
BROOME COUNTY, NEW YORK

GENERAL PLAN - IV

**DELTA**  
ENGINEERS, ARCHITECTS, & SURVEYORS

SCALE  
AS SHOWN  
DATE  
MARCH 2024

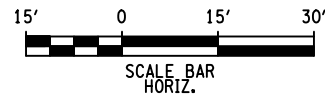
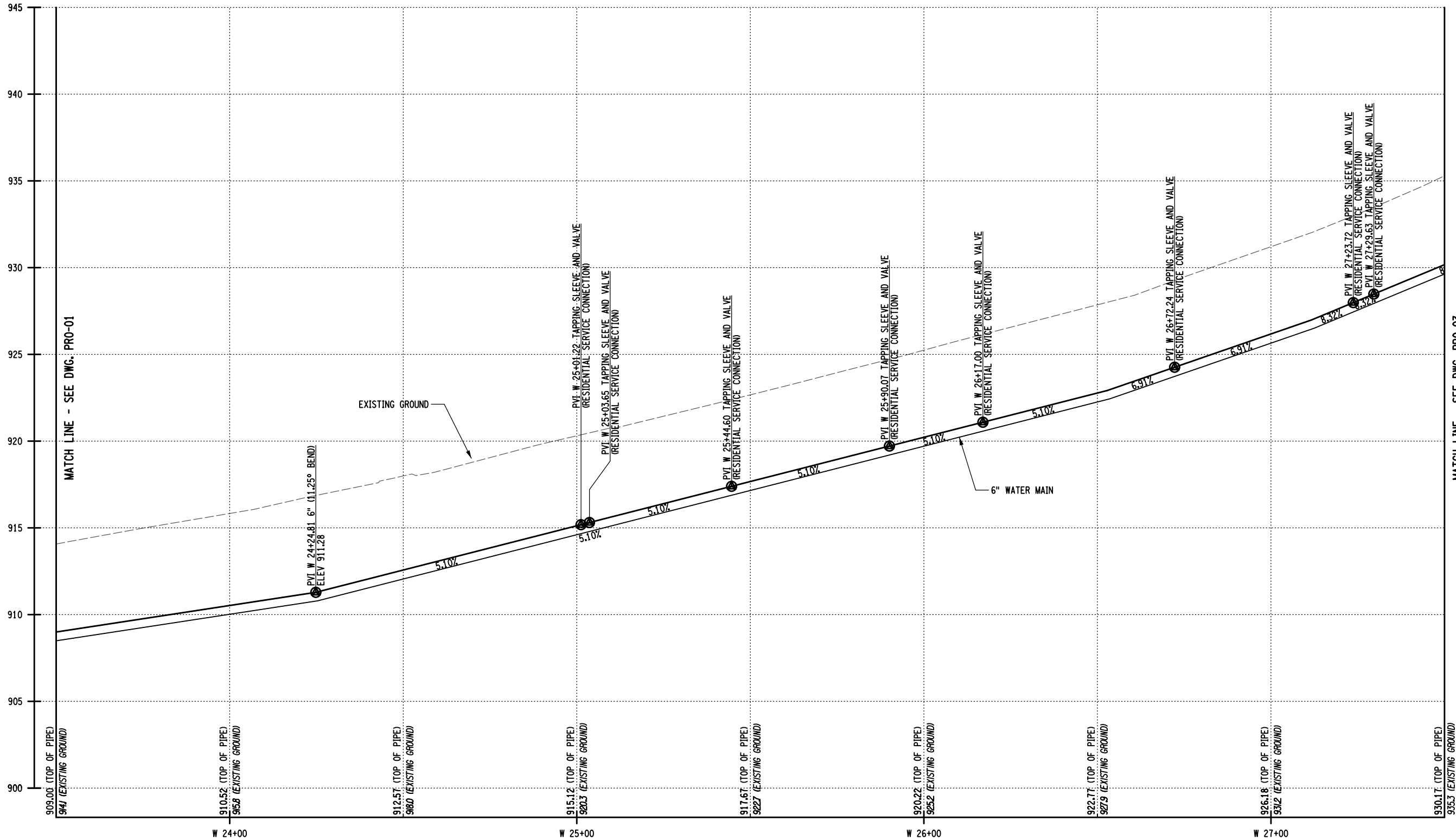
DRAWING NO.  
GNP-04  
SHEET  
12 OF 15



VILLAGE OF ENDICOTT DPW REPLACEMENT OF N. ARTHUR ST. WATER MAIN BROOME COUNTY, NEW YORK	
WATER MAIN PROFILE - I	
	SCALE AS SHOWN
DATE MARCH 2024	DRAWING NO. PRO-01
	SHEET 13 OF 15



ELEVATION



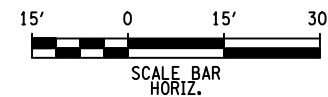
VILLAGE OF ENDICOTT DPW REPLACEMENT OF N. ARTHUR ST. WATER MAIN BROOME COUNTY, NEW YORK		
WATER MAIN PROFILE - II		
	SCALE AS SHOWN	DRAWING NO. PRO-02
	DATE MARCH 2024	SHEET 14 OF 15



CHECKED BY : CJM/VOE WATER DEPT.

DESIGNED BY: SMS

IN CHARGE OF : CJM



WATER MAIN PROFILE - III



SCALE  
AS SHOWN

DATE  
MARCH 2024

DRAWING NO.  
PR0-03

SHEET  
15 OF 15