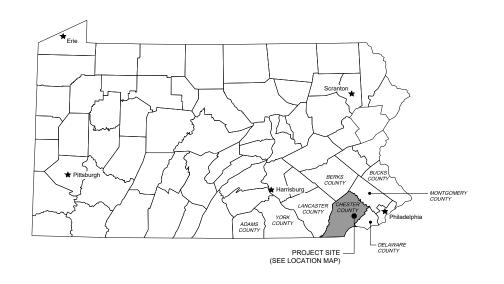
### EAST GOSHEN TOWNSHIP 1580 PAOLI PIKE WEST CHESTER, PENNSYLVANIA



## MILLTOWN DAM (DEP ID NO. D15-146) EAST GOSHEN TOWNSHIP, CHESTER COUNTY, PENNSYLVANIA

PERMIT DRAWINGS GANNETT FLEMING PROJECT NO. 060466 FEB. 2020

# HAZARD REDUCTION AND RESERVOIR ENHANCEMENTS





NOT TO SCALE



SCALE IN FEET

LIST OF DRAWINGS



SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION		
C23	PROPOSED DAM SECTIONS, SHEET 4 OF 4	L1	LANDSCAPE PLAN - SITE LAYOUT PLAN, SHEET 1 OF 3		
C24	TYPICAL STREAM CROSS SECTIONS	L2	LANDSCAPE PLAN - SITE LAYOUT PLAN, SHEET 2 OF 3		
C25	PROPOSED STREAM PROFILES, SHEET 1 OF 3	L3	LANDSCAPE PLAN - SITE LAYOUT PLAN, SHEET 3 OF 3		
C26	PROPOSED STREAM PROFILES, SHEET 2 OF 3	L4	LANDSCAPE PLAN - ENLARGED SITE PLAN		
C27	PROPOSED STREAM PROFILES, SHEET 3 OF 3	L5	LANDSCAPE PLAN - SITE DETAILS		
C28	STREAM DETAILS, SHEET 1 OF 2	L6	LANDSCAPE PLAN - SITE DETAILS		
C29	STREAM DETAILS, SHEET 2 OF 2	L7	LANDSCAPE PLAN - SITE DETAILS		
C30	ACB DETAILS, SHEET 1 OF 2	L8	LANDSCAPE PLAN - SITE DETAILS		
C31	ACB DETAILS, SHEET 2 OF 2	L9	LANDSCAPE PLAN - SITE DETAILS	$\square$	
C32	STORM SEWER PROFILES AND DETAILS	L10	LANDSCAPE PLAN - SITE DETAILS		
C33	STORM SEWER DETAILS	L11	LANDSCAPE PLAN - SITE DETAILS		
ES1	EROSION CONTROL PLAN - SITE PLAN - STAGE 1	L12	LANDSCAPE PLAN - SITE DETAILS		
ES2	EROSION CONTROL PLAN - SITE PLAN - STAGE 2	L13	LANDSCAPE PLAN - SITE DETAILS		
ES3	EROSION CONTROL PLAN - SITE PLAN - STAGE 3	L14	LANDSCAPE PLAN - SITE DETAILS		
ES4	EROSION CONTROL PLAN NARRATIVE, SHEET 1 OF 2	L15	LANDSCAPE PLAN - SITE DETAILS		
ES5	EROSION CONTROL PLAN NARRATIVE, SHEET 2 OF 2	L16	LANDSCAPE PLAN - SITE DETAILS		
ES6	EROSION CONTROL PLAN DETAILS, SHEET 1 OF 4	L17	LANDSCAPE PLAN - PLANTING LAYOUT PLAN		
ES7	EROSION CONTROL PLAN DETAILS, SHEET 2 OF 4	L18	LANDSCAPE PLAN - PLANTING LAYOUT PLAN		
ES8	EROSION CONTROL PLAN DETAILS, SHEET 3 OF 4	L19	LANDSCAPE PLAN - PLANTING LAYOUT PLAN		
ES9	EROSION CONTROL PLAN DETAILS, SHEET 4 OF 4	L20	LANDSCAPE PLAN - PLANTING LAYOUT PLAN		

#### PUBLIC UTILITIES AND ADDRESSES

EAST GOSHEN TOWNSHIP 1580 PAOLI PIKE WEST CHESTER, PA 19380 CONTACT: MARK MILLER EMAIL: MMILLER@EASTGOSHEN.ORG

COMCAST CABLE 1004 CORNERSTONE BLVD DOWNINGTOWN, PA 19335 CONTACT: TOM RUSSO EMAIL: TOM\_RUSSO@CABLE.COMCAST.COM

AQUA PENNSYLVANIA INC. 762 WEST LANCASTER AVENUE BRYN MAWR, PA 19010 CONTACT: STEVE PIZZI EMAIL: SBPIZZI@AQUAAMERICA.COM

PECO ENERGY C/O USIC 450 SOUTH HENDERSON ROAD, SUITE B KING OF PRUSSIA PA 19406 CONTACT: NIKKIA SIMPKINS EMAIL: NIKKIASIMPKINS@USICLLC.COM

VERIZON PENNSYLVANIA LLC 1050 VIRGINIA DRIVE FORT WASHINGTON, PA 19034 CONTACT: LAURA LIPPINCOTT EMAIL: LAURA.M.LIPPINCOTT@ONE.VERIZON.COM

#### CONTACT INFORMATION

EAST GOSHEN TOWNSHIP (ATTN: RICK SMITH, TOWNSHIP MANAGER)	610-692-7171
GANNETT FLEMING, INC. (ATTN: ERIC NEAST, PROJECT MANAGER)	717-763-7212
PA DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF DAM SAFETY_	717-772-5957
PA DEPARTMENT OF ENVIRONMENTAL PROTECTION, SE REGIONAL OFFICE	484-250-5900
CHESTER COUNTY CONSERVATION DISTRICT	610-925-4920
PA FISH AND BOAT COMMISSION, SE REGIONAL OFFICE	215-968-3631
PENNSYLVANIA ONE CALL SYSTEM FOR UNDERGROUND UTILITIES	800-242-1776

#### PENNSYLVANIA ONE CALL SYSTEM

PA1

1-800-242-1776

CALL BEFORE YOU DIG PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE STOP CALL

POCS SERIAL NUMBER: POCS CALL DATE:

#### PA ONE CALL NOTE

GANNETT FLEMING, INC. (GANNETT FLEMING) ADVISES THAT IT HAS COMPLIED WITH THE PROVISIONS OF THE PENNSYLVANIA UNDERGROUND UTILITY LINÉ PROTECTION LAW, ACT 287 OF 1974 AS AMENDED, IN PREPARING THESE PLANS. ALTHOUGH GANNETT FLEMING MADE THE TELEPHONE CALL(3) LISTED ON THESE PLANS ON THE DATE(S) SHOWN, THE INFORMATION SHOWN MAY BE PRELIMINARY AS OF THE DATE OF BIDDING. THE DATA DATE(5) SHOWN, THE INFORMATION SHOWN MAT BE PRELIMINART AS OF THE DATE OF DIDUING. THE DATA BERTAINING TO UTILITIES SHOWN ON THE PLANS IS FOR GENERAL INFORMATION AND GUDANCE ONLY AND GANNETT FLEMING MAKES NO REPRESENTATIONS, WARRANTY, GUARANTY OR ASSURANCES THAT THE INFORMATION RECEIVED PURSUANT TO SAID CALL(5) AND REFLECTED ON THE PLANS IS COMPLETE, CORRECT OR ACCURATE, BUT IS REFLECTING GAID INFORMATION IN ACCORDANCE WITH THE REQUIREMENTS OF SUCH ACT AS OF THE DATE OF SAID THE AREAS IN WHICH NEW UNDERGROUND FACILITIES AND APPURTENANCES ARE TO BE CON-UNDER THIS CONTRACT MAY CHET ONDERGROUND APPAREMENT APPAREMENT OF DO ECONG STRUCT DE UNDER THIS CONTRACT MAY CONTAIN EXISTING UNDERGROUND UTILITIES AND STRUCTURES THAT ARE NOT SHOWN ON THE PLANS OR ARE IN LOCATIONS OTHER THAN AS SHOWN. CONTRACTORS ARE ADVISED OF THEIR OBLIGATIONS TO NOTIFY ALL FACILITY OWNERS, NOT LESS THAN 3 OR MORE THAN 10 DAYS PRIOR TO ECCAVATION, VIA ONE CALL(S) IN ACCORDANCE WITH THE REQUIREMENTS OF THE ACT [1-800-242-1776 OR 412-464-7100 (PITTSBURGH), AND TO PRECISELY IDENTIFY THE LOCATION OF, AVOID DA AND REPAIR DAMAGED UNDERGROUND UTILITIES.

SHEET NO.	DESCRIPTION
G1	COVER SHEET
G2	GENERAL NOTES, LEGEND AND ABREVIATIONS
C1	EXISTING CONDITIONS OVERALL SITE PLAN, SHEET INDEX
C2	EXISTING RESERVOIR PLAN, SHEET 1 OF 3
C3	EXISTING RESERVOIR PLAN, SHEET 2 OF 3
C4	EXISTING RESERVOIR PLAN, SHEET 3 OF 3
C5	EXISTING CONDITIONS, ENLARGED PLAN OF DAM
C6	EXISTING CONDITIONS, DAM CROSS SECTIONS
C7	SURVEY CONTROL PLAN, SHEET 1 OF 3
C8	SURVEY CONTROL PLAN, SHEET 2 OF 3
C9	SURVEY CONTROL PLAN, SHEET 3 OF 3
C10	DEMOLITION PLAN, SHEET 1 OF 3
C11	DEMOLITION PLAN, SHEET 2 OF 3
C12	DEMOLITION PLAN, SHEET 3 OF 3
C13	DEMOLITION DETAILS, VALVE HOUSE
C14	RESERVOIR GRADING PLAN, SHEET 1 OF 3
C15	RESERVOIR GRADING PLAN, SHEET 2 OF 3
C16	RESERVOIR GRADING PLAN, SHEET 3 OF 3
C17	RESERVOIR CROSS SECTIONS, SHEET 1 OF 2
C18	RESERVOIR CROSS SECTIONS, SHEET 2 OF 2
C19	PROPOSED CONDITIONS, ENLARGED PLAN OF DAM
C20	PROPOSED DAM SECTIONS, SHEET 1 OF 4
C21	PROPOSED DAM SECTIONS, SHEET 2 OF 4
C22	PROPOSED DAM SECTIONS, SHEET 3 OF 4

4000



VICINITY MAP APPROXIMATE SCALE IN FEET

#### ABBREVIATIONS

L

LB LBS

LF

MAX MH MIN MISC

MJ MSE

NAD NAVD NGVD NTS

No., #

OPNG OZ

PL POB POI PSF

PSI

PSW P.T.

PVC PVI PVT

REIN

RGS

SECT

SHT SPA

SQ SS STA

STD SY

**T** TEMP TOPO TYP, TYP., (TYP

U

**V** <sub>vc</sub>

w

Y YD

WM W/

W/O WT

UNO USGS U/S

VERT VOL

RJ ROW

REQ'D

**Q**<sub>QTY</sub>

R R RCP

O OD OE

P.C. PCCF PCF PE P.I.

N N/A

A AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND
	TRANSPORTATION OFFICIALS
ACI AC-FT	AMERICAN CONCRETE INSTITUTE ACRE-FOOT (FEET)
ADDL	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
AFG AISC	ABOVE FINISHED GRADE AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AL	ALUMINUM
ALLOW. ALT	ALLOWABLE ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASTM APPROX	AMERICAN SOCIETY FOR TESTING AND MATERIALS APPROXIMATE(LY)
ASW	AUXILIARY SPILLWAY
AVG	AVERAGE
AWWA @	AMERICAN WATER WORKS ASSOCIATION AT
в	
BF BFF	BLIND FLANGE OR BACK FACE BELOW FINISHED FLOOR
BFG	BELOW FINISHED FLOOR BELOW FINISHED GRADE
BFV	BUTTERFLY VALVE
₽_ BM	BASELINE
BOT	BENCHMARK BOTTOM
B.P.	BEGINNING POINT
с	
C/C, C.C., C TO C ¢	CENTER TO CENTER CENTERLINE
CI	CAST IRON
CIP	CAST IN PLACE OR CAST IRON PIPE
CJ CLR	CONSTRUCTION JOINT CLEARANCE, CLEAR, CLEAR DISTANCE
CMP	CORRUGATED METAL PIPE
CONC CONST, CONSTR	CONCRETE CONSTRUCTION
CONT	CONTINUOUS
CONTR CORR	CONTRACTION CORRUGATED
CF	CUBIC FOOT(FEET)
CFM	CUBIC FEET PER MINUTE
CFS CY	CUBIC FEET PER SECOND CUBIC YARD(S)
D	
DEPT	
DI DIP	DUCTILE IRON DUCTILE IRON PIPE
DIP DIA, Ø	DIGHTER DIAMETER
DWG	DRAWING
E	
E EA	EAST/EASTING COORDINATE EACH
EF	EACH FACE
EL, EL.	ELEVATION
EXP EXP JT	EXPANSION EXPANSION JOINT
EXT	EXTERIOR
E&SC EQ	EROSION AND SEDIMENT CONTROL EQUAL
EW	EQUAL EACH WAY
F	
FF FM	FRONT FACE FORCE MAIN
FTG	FOOTING
FT, FT/FT	FOOT/FEET, FEET PER FOOT
GALV.	GALVANIZED
GIS	GEOGRAPHICAL INFORMATION SYSTEM
GPD GPM	GALLONS PER DAY GALLONS PER MINUTE
H	
HEX	HEXAGONAL
HDPE HH	HIGH DENSITY POLYETHYLENE HAND HOLE
HORIZ	HANDHOLE
1	
ID	INSIDE DIAMETER
IN	INCH(ES)
INTR INV	INTERIOR INVERT
J	
JT	JOINT JUNCTION BOX
JB	
JB BBREVIATIONS NOTE:	
BBREVIATIONS NOTE:	D LIST OF ABBREVIATIONS AND ALL THE

CONFLICT SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO GANNET FLEMMS, INC. IN THE EVENT A CONFLICT ARISES BETWEEN THE SEALED DRAWINGS AND THE ELECTRONIC FILES, THE SEALED DRAWINGS

			EXISTING LEGE
		20	EXISTING MAJOR CONTOUR
	POUND POUNDS		EXISTING MINOR CONTOUR
	LINEAR FEET	UE	UNDERGROUND ELECTRIC
			OVERHEAD ELECTRIC
	MAXIMUM MANHOLE		GAS
	MINIMUM MISCELLANEOUS	итс	UNDERGROUND TELECOMMUNICATIONS
	MECHANICAL JOINT MECHANICALLY STABILIZED EMBANKMENT		OVERHEAD TELECOMMUNICATIONS
			UNDERGROUND CABLE TV
	NORTH/NORTHING COORDINATE NOT APPLICABLE		OVERHEAD CABLE TV
	NORTH AMERICAN DATUM NORTH AMERICAN VERTICAL DATUM		WATERMAIN
	NATIONAL GEODETIC VERTICAL DATUM NOT TO SCALE		24" WATER PIPE
	NUMBER		36" WATER PIPE
			42" WATER PIPE
	ON CENTER OUTSIDE DIAMETER		UNDERGROUND UTILITIES DUCT BANK
	OVERHEAD ELECTRIC OPENING		FIBER OPTIC
	OUNCE		FORCE MAIN
	POINT OF CURVATURE		SANITARY SEWER
	PRESTRESSED CONCRETE CYLINDER PIPE POUNDS PER CUBIC FOOT		STORM SEWER
	PLAIN END POINT OF INFLECTION		AIR LINE
	PLATE POINT OF BEGINNING		RIPRAP
	POINT OF INTERSECTION POUNDS PER SQUARE FOOT		SWALE / DITCH
	POUNDS PER SQUARE INCH PRINCIPAL SPILLWAY		
	POINT OF TANGENCY POLYVINYL CHLORIDE OR POINT VERTICAL CURVATURE		
	POINT VERTICAL INTERSECTION POINT VERTICAL INTERSECTION		PROPERTY LINE
	POINT VERTICAL TANGENCE		
	QUANTITY		
	RADIUS REINFORCED CONCRETE PIPE		EDGE OF WATER
	REINFORCED REQUIRED		
	RIGID GALVANIZED STEEL RESTRAINED JOINT		
	RIGHT OF WAY	000000000000000000000000000000000000000	
		x	
	SECTION SQUARE FOOT (FEET)		GUIDE RAIL
	SHEET SPACING		HANDRAIL
	SQUARE STAINLESS STEEL		RAILROAD
	STATION STANDARD		PROTECTIVE FENCE
	SQUARE YARD		SILT FENCE
	TEMPORARY		SHEETPILE
P)	TOPOGRAPHY TYPICAL	* * *	WETLAND
• /	TH IOAL		PROPOSED MAJOR CONTOUR
	UNLESS OTHERWISE NOTED		PROPOSED MINOR CONTOUR
	U.S. GEOLOGICAL SURVEY UPSTREAM		GEOTEXTILE
	VERTICAL CURVE VERTICAL		
	VOLUME	<b>T</b>	EARTH SLOPE (SLOPING ↓)
			CONCRETE SURFACE SLOPE (SLOPING ↓)
	WATERMAIN	Astels	
	WITH WITHOUT		EARTH SUBGRADE
	WEIGHT		WATER LEVEL (FOR SECTIONS AND PROFILES)
	YARD	~	FLOW ARROW
		•	BORING INSTRUMENTED WITH PIEZOMETER
		•	BORING
			TEST PIT
		x <sup>347.2</sup>	
			LIMIT OF TOPOGRAPHIC SURVEY
			EXISTING LEGEND NOTE:

EXISTING LEGEND

٩

TREE - DECIDUOUS

	*	TREE - CONIFEROUS		1. GRE
	9	SHRUB		BLAC
	$\Phi$	BORING INSTRUMENTED WITH PIEZOMETER		2. DIME <i>a. E)</i>
	$\oplus$	BORING		
	$\blacksquare$	TEST PIT		
	٠	IRON PIN		SEC
	$\triangle$	CONTROL POINT		è
		BENCHMARK		
	⊜	MARKER POST		
	⊕	RAILROAD SPIKE		A
	Ó	SURVEY MONUMENT		C
	۲	PK NAIL		
	O	POST		NORTH
	0	WELL		
	$\otimes$	WATER VALVE		
	θ	WATER METER		
	o	WATER CURB BOX		
	-0-	FIRE HYDRANT		
	0	CLEANOUT	1.	ALL DIM
	α	SPIGOT		CONTRA MATERIA
	Д	DOWNSPOUT	2.	IT SHALL
	SD	STORM MANHOLE		THE CON
		STORM INLET		PRIOR T
	S	SANITARY MANHOLE	3.	PROPOS TOP OF
	A	VENT	4.	
	⊗	GAS VALVE		PROPOS
		GAS METER	5.	RAISE O WITH TH
		GAS CURB BOX	6.	ALL EXIS
	TV	CABLE TV UTILITY BOX		INFORM/ COMPLE
	Ξ	TELECOMMUNICATIONS UTILITY BOX		UTILITY
	Ō	TELECOMMUNICATIONS MANHOLE		OWNER.
	E	ELECTRICAL MANHOLE	7.	THE CON
	Ţ	ELECTRICAL UTILITY BOX		AND APF SUCH AS
	¤	LIGHT POST		MEASUR BOTH RE
	ø	UTILITY POLE		PERIOD.
	$\succ$	GUY WIRE	8.	THE PRO
	-@-	GUY POLE		THE PRO
	M	MANHOLE - UNKNOWN UTILITY		CONTRA CONDITI
	JB	JUNCTION BOX	9.	ALL CON
		MAILBOX		REMOVE (EL. 347.
	0	SIGN		TRANSM AND SHA
	<u>д</u>	STUMP		OTHERV THE COM
	£	WEIR	10.	ALL TRE FENCING NO TIME ROOTS A EXISTING
)			11.	CONTRA (PHONE
			12.	THE CON NUMBER AGAIN A THE SITE CAN BE
			13.	UNTIL TH MAINTAI EACH RA WORK, II AND ANG
			14.	MILLTON

1. THIS IS A STANDARD LIST OF SYMBOLS AND ALL THE SYMBOLS SHOWN MAY NOT BE USED IN THIS SET OF DRAWINGS.



#### GENERAL DRAFTING NOTES:

EY OR LIGHT LINEWORK GENERALLY REPRESENT EXISTING FEATURES, WHEREAS DARKER ACK LINEWORK IS GENERALLY INTENDED TO DEPICT NEW CONSTRUCTION.

ENSION AND TEXT CALLOUTS EXISTING FEATURES TEXT IS SLANTED AS SHOWN HERE.

#### CTION SYMBOLS:



SECTION OR DETAIL IDENTIFIER

SHEET NUMBER WHERE SHOWN OR WHERE CALLED-OUT

H ARROW:



#### PROJECT GENERAL NOTES

MENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE ACTOR AT THE SITE PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO ORDERING RALS.

LL BE THE CONTRACTOR'S RESPONSIBILITY TO THOROUGHLY REVIEW AND UNDERSTAND ONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF RS, OMISSIONS, AND/OR DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION AND TO ORDERING MATERIALS.

DSED CONTOURS REPRESENT FINISHED GRADE (I.E., TOP OF TOPSOIL, TOP OF PAVEMENT, IF ROCK RIPRAP, ETC.).

H EXISTING GRADES, CURB HEIGHTS, SIDEWALK WIDTHS, ETC. AT ALL LOCATIONS WHERE DSED WORK ACTIVITIES MEET EXISTING FACILITIES.

OR LOWER ALL EXISTING UTILITY VALVES, COVERS, GRATES, ETC. AS NEEDED TO BE FLUSH THE PROPOSED FINAL GRADE.

KISTING UTILITIES SHOWN ON THE PLANS ARE BASED ON THE BEST AVAILABLE MATION. THE ENGINEER AND OWNER DO NOT CERTIFY THE CORRECTNESS OR LETENESS OF THE EXISTING UTILITY PORTRAYAL. THE CONTRACTOR SHALL CONTACT ALL Y COMPANIES AND THE OWNER PRIOR TO INITIATION OF CONSTRUCTION AND SHALL BE INSIBLE FOR COORDINATING HIS ACTIVITIES WITH THE UTILITY COMPANIES AND THE R.

ONTRACTOR SHALL DEVELOP A VEHICULAR AND PEDESTRIAN SAFETY PLAN THAT COVERS URATION OF THE PROJECT. SAID PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW PROVAL PRIOR TO THE START OF CONSTRUCTION. SAID PLAN SHALL INCLUDE MEASURES AS SIGNAGE, TEMPORARY WALKWAYS, PROTECTIVE FENCING, FLAGMEN, AND/OR OTHER RES AS DEEMED NECESSARY TO PROTECT THE SAFETY OF THE TRAVELING PUBLIC ALONG RESERVOIR ROAD AND EAST STRASBURG ROAD THROUGHOUT THE CONSTRUCTION

ROJECT WILL INVOLVE WORK WITHIN THE MILLTOWN DAM RESERVOIR WHICH HAS A RIBUTING DRAINAGE AREA OF APPROXIMATELY 6.3 SQUARE MILES. WATER ELEVATIONS AT ROJECT SITE WILL VARY DEPENDING ON STREAM FLOWS AND WEATHER CONDITIONS. THE RACTOR IS MADE AWARE THAT STREAM AND/OR RESERVOIR LEVELS WILL VARY. THE RACTOR SHALL MAKE PROVISIONS FOR CONDUCTING WORK IN VARIABLE WATER TITONS AND SHALL INCLUDE SUCH MEASURES IN HIS BASE BID.

DNSTRUCTION EQUIPMENT, WITH THE EXCEPTION OF DEWATERING EQUIPMENT, SHALL BE VED FROM THOSE AREAS OF THE RESERVOIR LOCATED BELOW THE TOP OF DAM ELEVATION 17.5') AT THE END OF EACH WORK DAY. CHEMICAL POLLUTANTS, INCLUDING FUEL, SMISSION FLUIDS, GREASE, OILS, ETC. SHALL BE CONTAINED IN WATERTIGHT CONTAINERS HALL NOT BE LOCATED OR STORED IN AREAS WHICH COULD BECOME INUNDATED OR RWISE RESULT IN SAID MATERIAL BEING CONVEYED AND/OR DISCHARGED INTO WATERS OF OMMONWEALTH.

REES LOCATED WITHIN THE WORK AREA THAT ARE TO REMAIN SHALL BE PROTECTED WITH NG. LOCATE PROTECTIVE FENCE AT THE DRIP LINE OF EACH TREE TO BE PROTECTED. AT HE SHALL VEHICLES, EQUIPMENT, AND/OR MATERIALS BE STORED OVER EXISTING TREE 5 AND AT NO TIME SHALL VEHICLES OF ANY KIND BE ALLOWED TO TRAVERSE OR PARK ON NG TREE ROOTS.

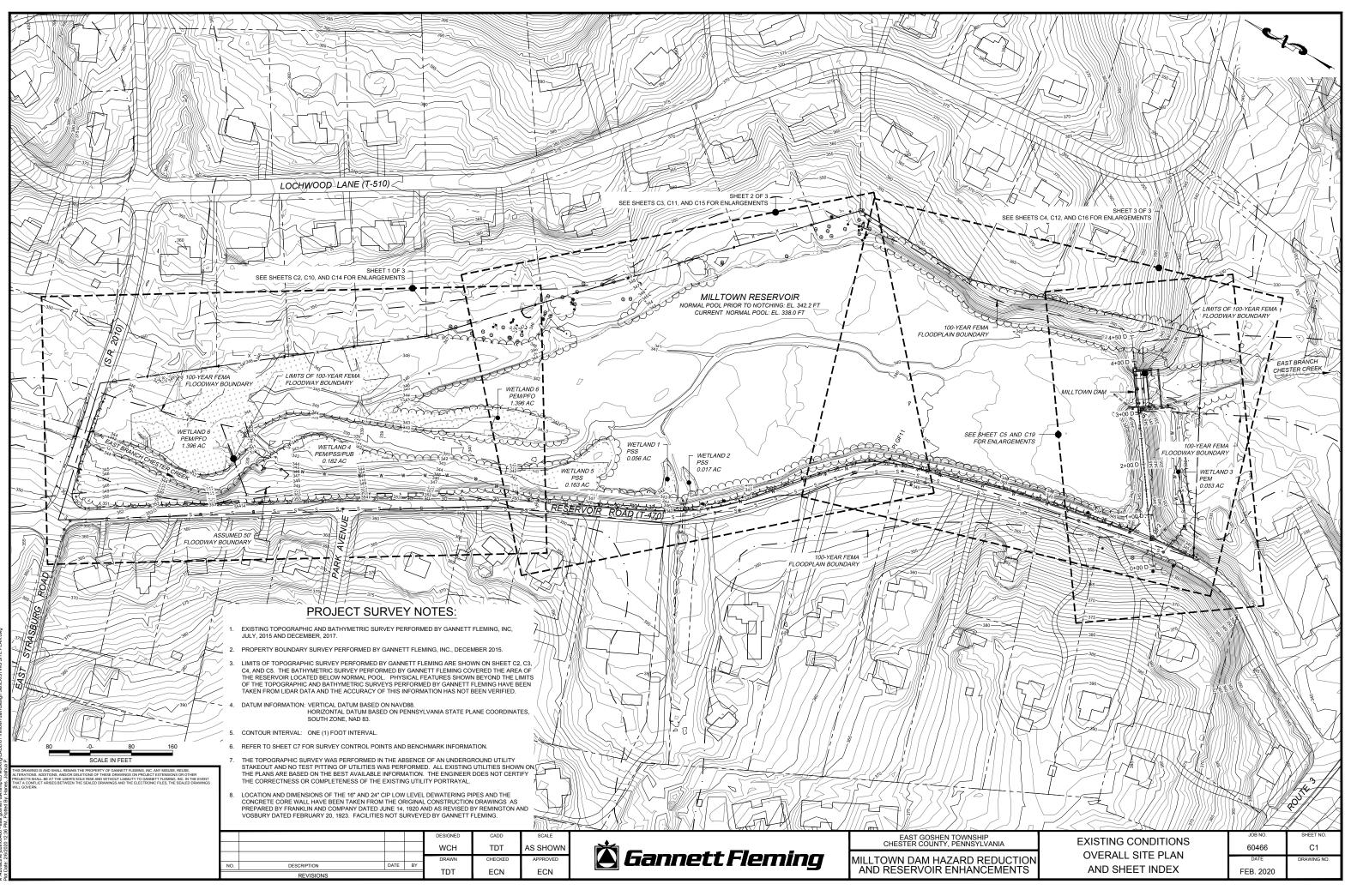
RACTOR SHALL NOTIFY THE PA FISH AND BOAT COMMISSION SOUTHEAST REGIONAL OFFICE IE NUMBER: 215-968-3631) AT LEAST FIVE DAYS PRIOR TO THE START OF CONSTRUCTION.

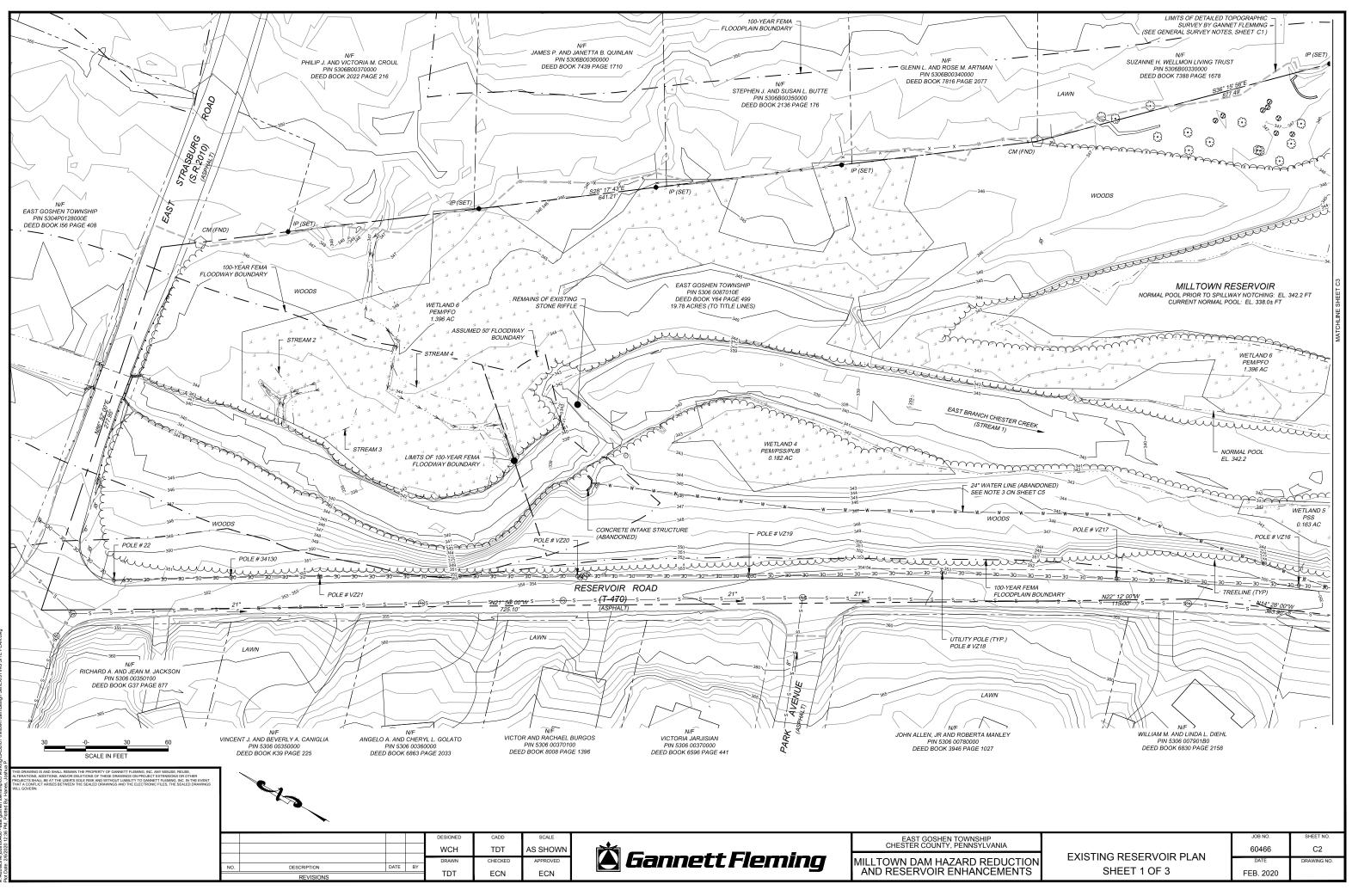
ONTRACTOR SHALL NOTIFY THE CHESTER COUNTY CONSERVATION DISTRICT (PHONE ER: 610-925-4920) AT LEAST SEVEN DAYS PRIOR TO THE START OF CONSTRUCTION AND AT THE COMPLETION OF THE PROJECT. THE DISTRICT SHALL MAKE A DETERMINATION IF ITE IS PERMANENTLY STABILIZED AND IF THE TEMPORARY EROSION CONTROL FACILITIES E REMOVED FROM SERVICE.

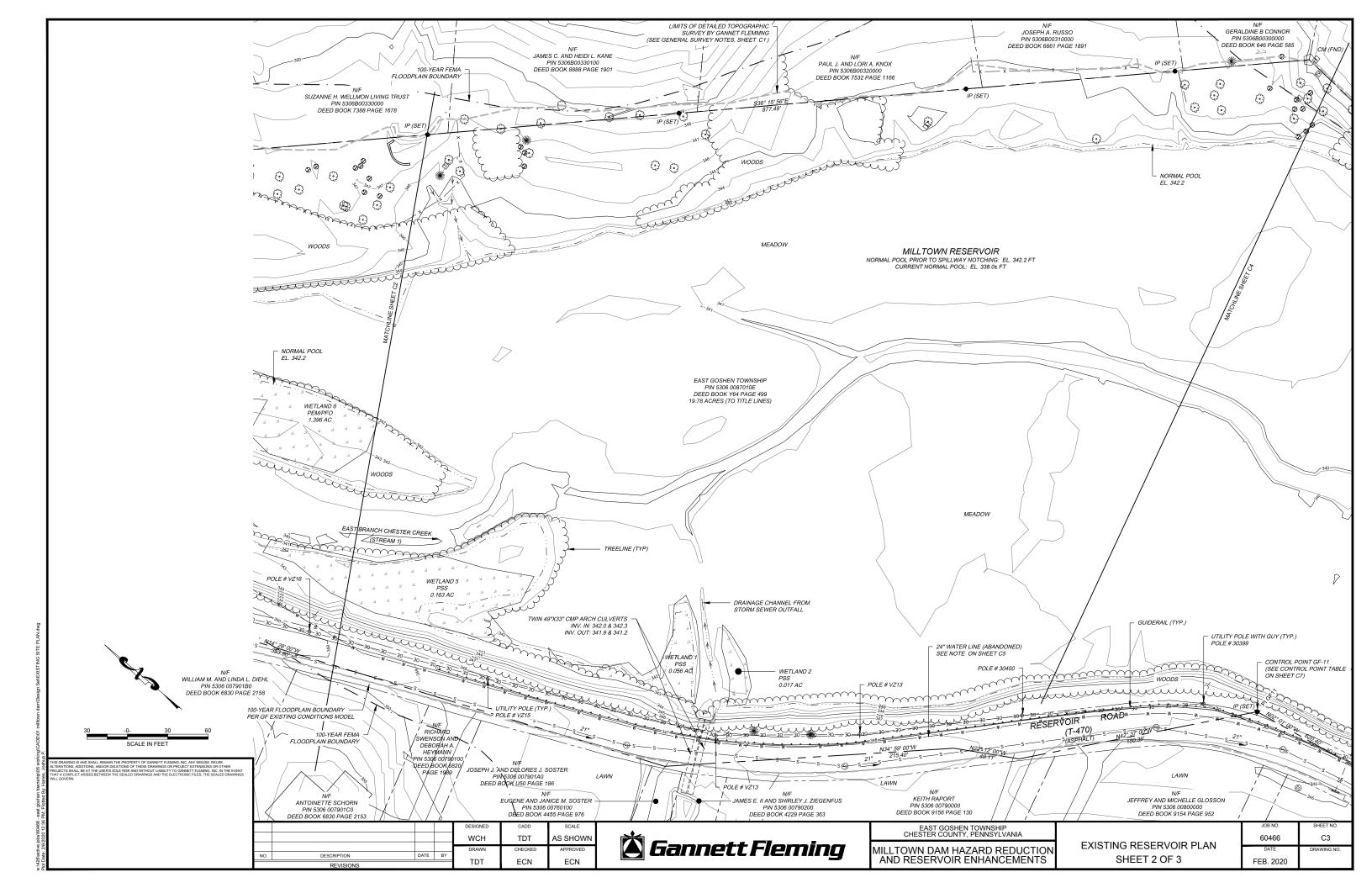
THE SITE IS PERMANENTLY STABILIZED, ALL EROSION CONTROL FACILITIES SHALL BE AINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL FACILITIES AFTER RAINFALL EVENT AND ON A DAILY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE , INCLUDING CLEANING, REPAIR, REPLACEMENT, REGRADING, RESEDING, REMULCHING, NCHORING OF SAID MULCH, SHALL BE PERFORMED IMMEDIATELY.

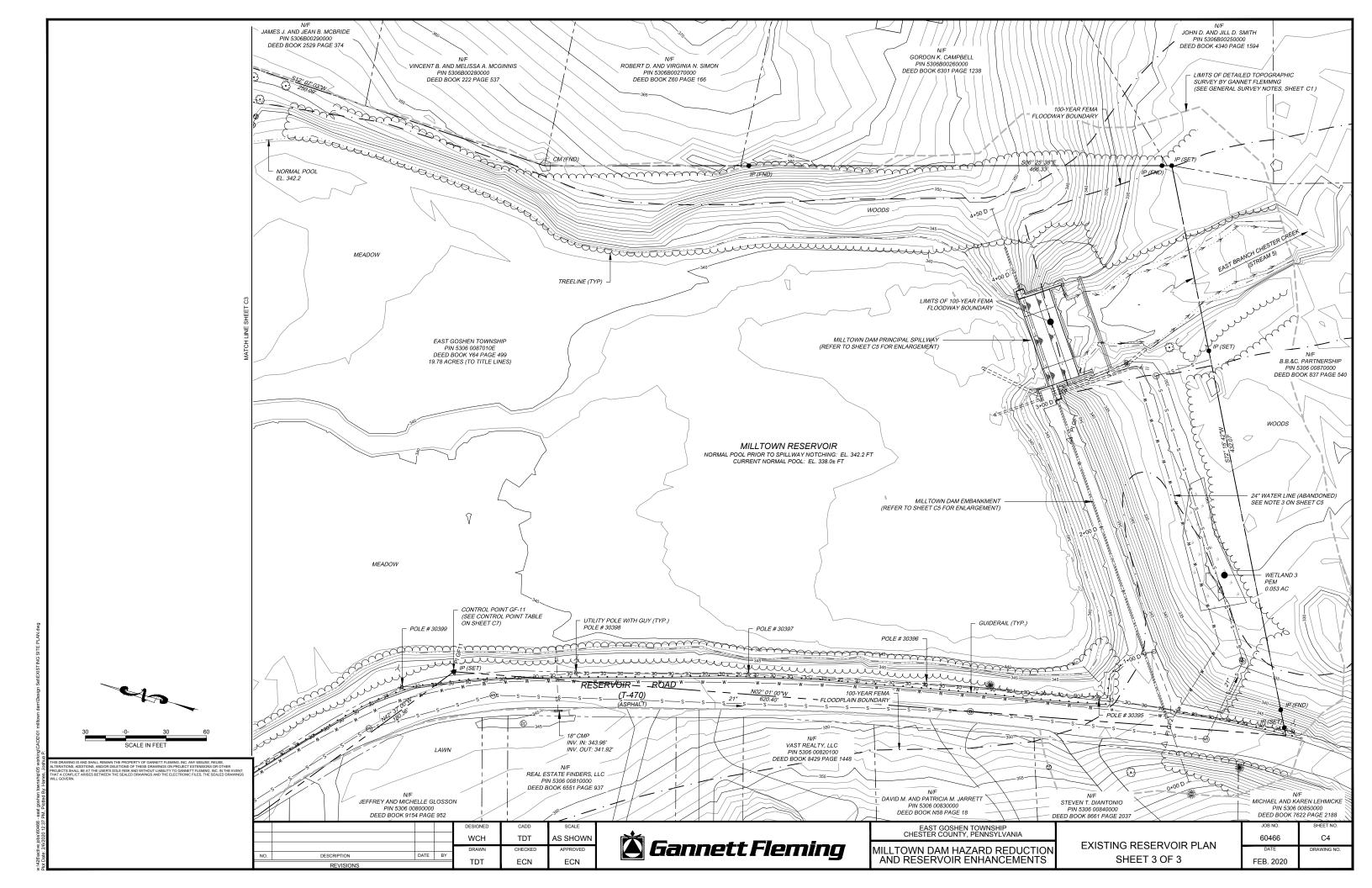
14. MILLTOWN DAM WAS CONSTRUCTED IN THE EARLY 1920'S AS A WATER SUPPLY RESERVOIR AND REPLACED A LOW DIVERSION WEIR LOCATED APPROXIMATELY 500 FEET UPSTREAM FROM THE CURRENT DAM. THE CONTRACTOR IS MADE AWARE THAT EXCAVATION ACTIVITIES MAY ENCOUNTER REMNANENTS OF PAST CONSTRUCTION ACTIVITIES AND NO ADDITIONAL PAYMENT WILL BE MADE TO REMOVE AND PROPERLY DISPOSE OF SAID REMNANENTS.

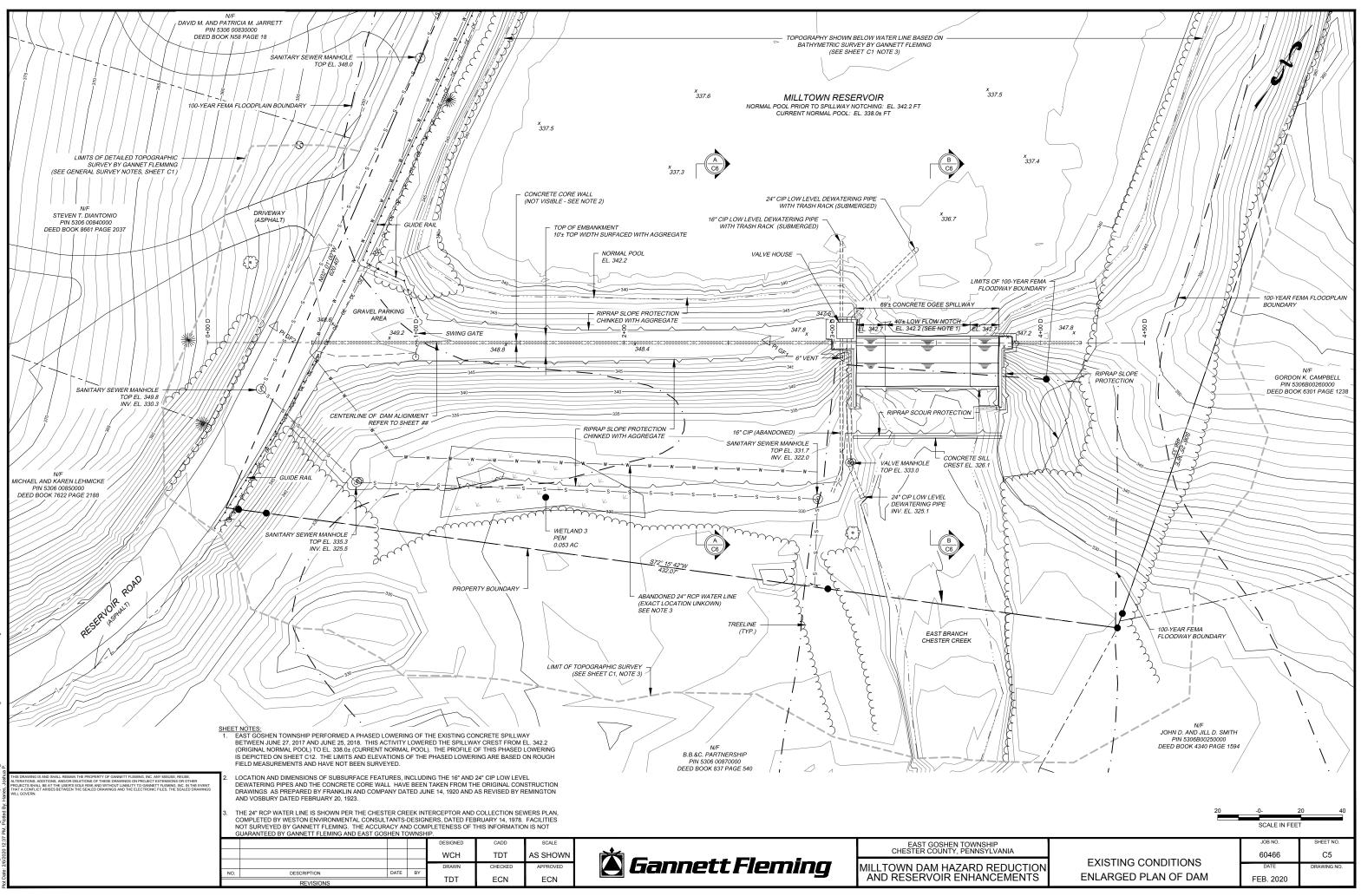
		JOB NO.	SHEET NO.
ANIA		60466	G2
DUCTION	GENERAL NOTES, LEGEND	DATE	DRAWING NO.
EMENTS	AND ABREVIATIONS	FEB. 2020	



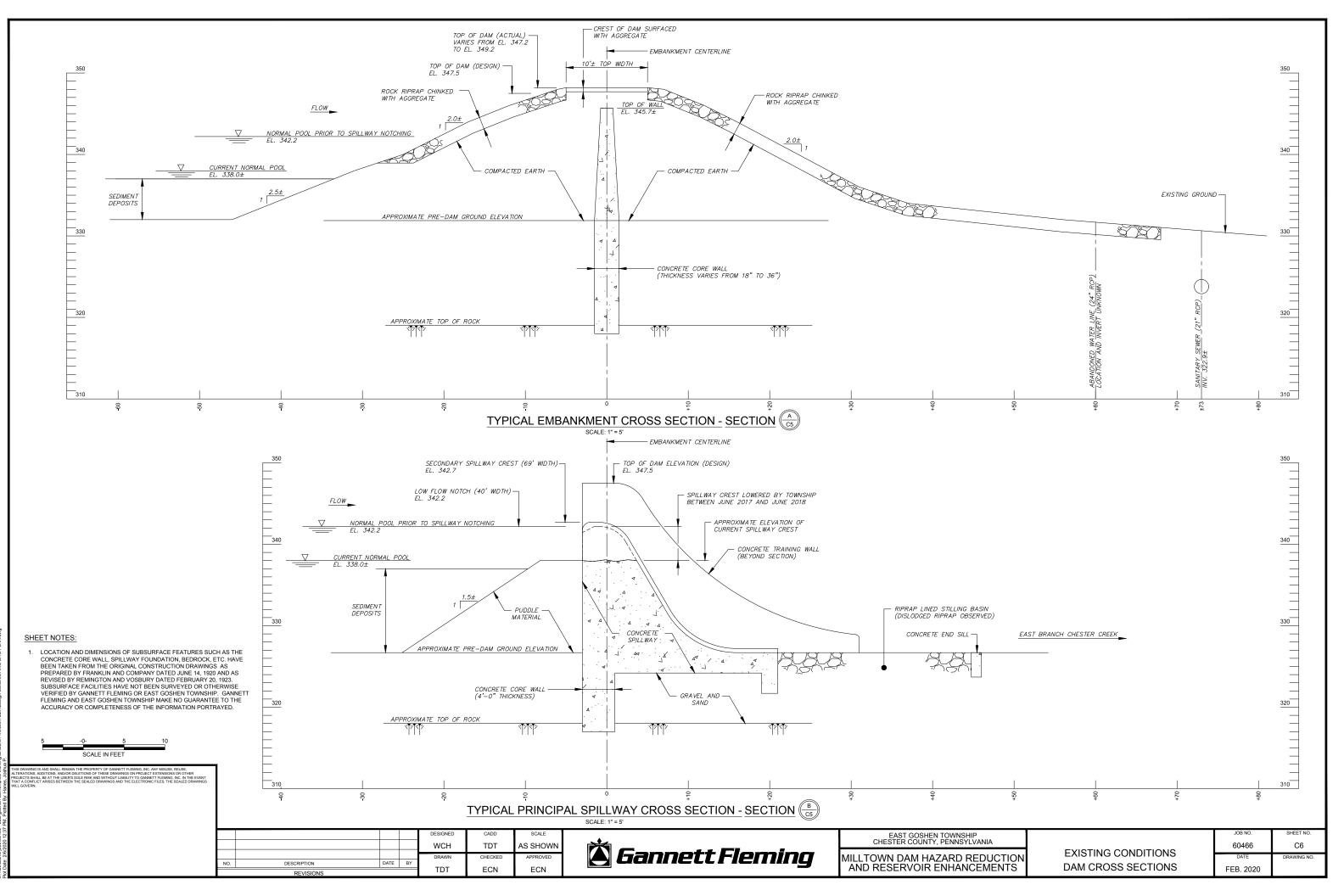


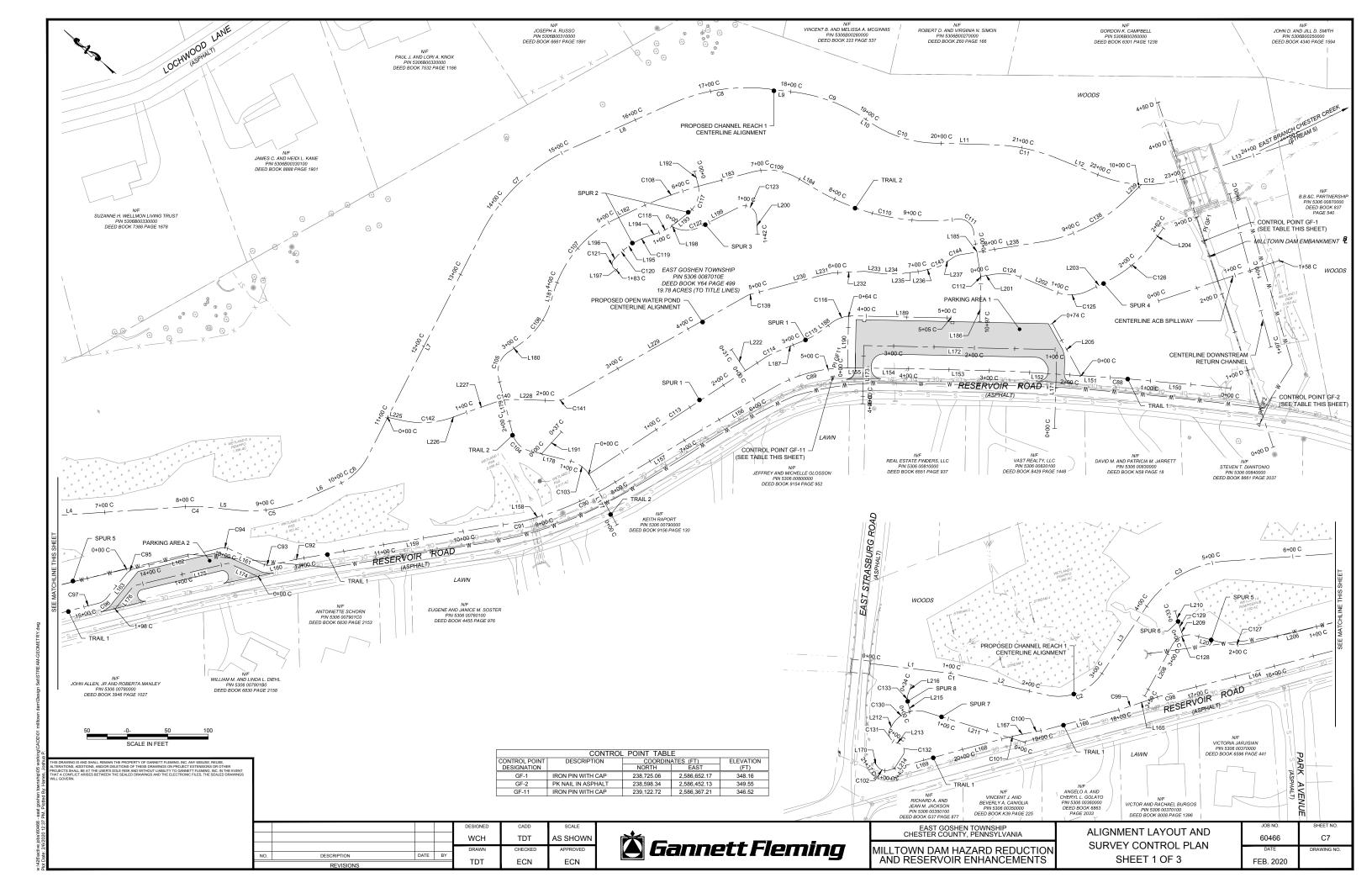






80active jobs/60466 - east goshen township/05 working/CADD/01 militown dam/Desian 5





		ALIGNMENT LAYOUT - LINE DATA						
	LINE NO.	LENGTH (FT.)	BEARING ANGLE (DD°MM'SS")	BEGINNING POINT (NORTHING FT., EASTING FT.)	END POINT (NORTHING FT., EASTING FT.)			
	L1	98.99	S8° 33' 13.55"E	240509.43, 2585660.14	240411.53, 2585674.86			
	L2	118.16	S2° 42' 35.16"E	240406.46, 2585675.36	240288.43, 2585680.95			
	L3	97.46	S71° 48' 19.77"E	240229.76, 2585725.58	240199.33, 2585818.16			
	L4	278.74	S19° 26' 14.87"E	240119.09, 2585900.16	239856.24, 2585992.92			
-	L5	34.92	S9° 47' 46.92"E	239823.71, 2586001.40	239789.30, 2586007.35			
Š	L6	46.31	S39° 23' 36.77"E	239712.66, 2586042.43	239676.87, 2586071.82			
	L7	309.64	S78° 29' 49.93"E	239650.97, 2586114.82	239589.23, 2586418.24			
	L8	135.93	S39° 32' 48.90"E	239510.29, 2586549.73	239405.47, 2586636.28			
5	L9	30.56	S8° 25' 03.80"E	239292.70, 2586686.45	239262.46, 2586690.92			
	L10	8.88	S18° 27' 11.53"W	239169.88, 2586682.79	239161.46, 2586679.98			
	L11	72.55	S13° 52' 14.60"E	239078.02, 2586676.64	239007.59, 2586694.03			
	L12	60.59	S6° 18' 26.87"W	238928.93, 2586699.23	238868.71, 2586692.58			
	L13	141.34	S33° 47' 59.19"E	238768.78, 2586717.02	238651.33, 2586795.65			
	L150	137.42	N10° 17' 37.17"W	238643.24, 2586482.16	238778.45, 2586457.60			
	L151	62.84	N11° 56' 08.46"W	238784.07, 2586456.50	238845.56, 2586443.50			
	L152	68.27	N11° 56' 08.46"W	238845.56, 2586443.50	238912.35, 2586429.38			
	L153	128.69	N14° 03' 07.78"W	238912.35, 2586429.38	239037.19, 2586398.14			
	L154	43.43	N14° 51' 04.89"W	239037.19, 2586398.14	239079.17, 2586387.00			
	L155	20.69	N14° 31' 33.32"W	239079.17, 2586387.00	239099.20, 2586381.81			
	L156	96.40	N46° 03' 59.73"W	239193.36, 2586327.41	239260.25, 2586257.98			

	ALIGNMENT LAYOUT - LINE DATA					
	LINE NO.	LENGTH (FT.)	BEARING ANGLE (DD°MM'SS")	BEGINNING POINT (NORTHING FT., EASTING FT.)	END POINT (NORTHING FT., EASTING FT.)	
4	L157	129.13	N46° 34' 36.35"W	239260.25, 2586257.98	239349.01, 2586164.20	
	L158	29.65	N32° 04' 05.53"W	239415.89, 2586106.49	239441.02, 2586090.75	
	L159	246.40	N24° 59' 39.15"W	239458.93, 2586081.85	239682.26, 2585977.74	
	L160	10.41	N28° 01' 30.82"W	239721.24, 2585958.16	239730.43, 2585953.27	
TRAIL 1	L161	44.93	N8° 38' 23.37"E	239740.35, 2585951.58	239784.77, 2585958.33	
	L162	107.94	N28° 56' 01.08"W	239797.45, 2585956.06	239891.92, 2585903.84	
	L163	37.89	N66° 30' 25.53"W	239900.58, 2585894.31	239915.68, 2585859.56	
	L164	215.33	N30° 15' 50.55"W	239946.28, 2585837.55	240132.26, 2585729.03	
	L165	35.76	N34° 05' 34.23"W	240153.36, 2585716.87	240182.97, 2585696.83	
	L166	86.91	N30° 36' 13.54"W	240201.38, 2585684.84	240276.18, 2585640.60	
	L167	6.33	N26° 19' 25.36"W	240302.02, 2585627.52	240307.69, 2585624.71	
	L168	64.55	N30° 27' 45.65"W	240323.84, 2585615.92	240379.48, 2585583.19	
	L169	86.56	N31° 13' 07.61"W	240379.48, 2585583.19	240453.51, 2585538.33	
ł	L170	6.44	N37° 55' 12.09"E	240467.16, 2585539.76	240472.25, 2585543.73	
U A	L171	97.68	N76° 10' 30.83"E	238840.30, 2586375.84	238863.64, 2586470.69	
PARKING - AREA 1	L172	239.46	N14° 17' 56.54"W	238863.64, 2586470.69	239095.68, 2586411.55	
° ↓	L173	72.12	S75° 32' 35.99"W	239095.68, 2586411.55	239077.68, 2586341.71	
ц I	L174	40.90	N8° 38' 23.37"E	239741.51, 2585935.06	239781.94, 2585941.21	
PARKING AREA 2	L175	120.72	N28° 56' 01.08"W	239781.94, 2585941.21	239887.59, 2585882.81	
Å,	L176	36.88	N66° 30' 25.53"W	239887.59, 2585882.81	239902.29, 2585848.99	

				Δ <b>Τ</b> Δ				
ALIGNMENT LAYOUT - LINE DATA								
LINE NO.	LENGTH (FT.)	BEARING ANGLE (DD°MM'SS")	BEGINNING POINT (NORTHING FT., EASTING FT.)	END POINT (NORTHING FT., EASTING FT.)				
L177	67.96	N45° 43' 06.97"E	239330.88, 2586115.70	239378.33, 2586164.35				
L178	50.97	N1° 30' 36.12"W	239408.02, 2586176.41	239458.97, 2586175.07				
L179	70.77	N60° 25' 16.64"E	239485.86, 2586190.25	239520.79, 2586251.79				
L180	17.03	S50° 12' 13.54"E	239517.75, 2586285.80	239506.85, 2586298.89				
L181	11.51	S88° 46' 12.69"E	239483.70, 2586360.75	239483.46, 2586372.26				
L182	31.37	S41° 00' 37.04"E	239435.59, 2586478.93	239411.91, 2586499.52				
L183	58.43	S30° 17' 41.17"E	239336.93, 2586552.09	239286.48, 2586581.56				
L184	24.29	S15° 35' 45.43"W	239228.48, 2586589.04	239205.09, 2586582.51				
L185	50.22	S65° 21' 59.22"W	239002.41, 2586584.30	238981.47, 2586538.65				
L186	48.18	S75° 42' 03.46"W	238976.67, 2586525.06	238964.77, 2586478.38				
L187	35.81	S37° 48' 09.46"E	239197.23, 2586375.54	239168.94, 2586397.49				
L188	13.92	S52° 49' 55.56"E	239150.55, 2586416.08	239142.14, 2586427.18				
L189	120.39	S14° 18' 10.12"E	239117.39, 2586443.60	239000.73, 2586473.34				
L190	63.75	N75° 33' 22.32"E	239107.60, 2586379.66	239123.50, 2586441.39				
L191	36.92	S63° 17' 02.45"E	239444.44, 2586175.45	239427.84, 2586208.43				
L192	16.27	S59° 48' 21.91"W	239355.38, 2586563.55	239347.19, 2586549.48				
L193	20.04	N53° 36' 49.10"W	239349.27, 2586511.12	239361.16, 2586494.99				
L194	0.09	N32° 06' 16.25"W	239383.04, 2586474.68	239383.12, 2586474.63				
L195	4.68	N50° 49' 50.73"W	239407.45, 2586454.15	239410.40, 2586450.52				
L196	4.66	N62° 18' 43.02"W	239420.62, 2586434.86	239422.78, 2586430.73				

SPUR 2		ALIGNMENT LAYOUT - LINE DATA					
lds ↓	LINE NO.	LENGTH (FT.)	BEARING ANGLE (DD°MM'SS")	BEGINNING POINT (NORTHING FT., EASTING FT.)	END POINT (NORTHING FT., EASTING FT.)		
-	L197	2.66	S16° 05' 29.01"W	239418.11, 2586420.44	239415.55, 2586419.70		
1	L198	4.04	S9° 59' 02.90"W	239364.94, 2586490.24	239360.97, 2586489.54		
sPUR 3	L199	55.36	S42° 18' 56.86"E	239331.33, 2586498.13	239290.40, 2586535.40		
vo ▼	L200	21.77	S70° 54' 59.33"W	239266.36, 2586529.85	239259.24, 2586509.27		
Ω.	L201	13.85	S24° 38' 00.78"E	238978.81, 2586532.84	238966.22, 2586538.62		
	L202	39.72	S7° 47' 33.10"W	238924.79, 2586544.75	238885.44, 2586539.36		
SPUR 4	L203	27.61	S42° 29' 26.65"E	238844.88, 2586552.03	238824.52, 2586570.68		
ł	L204	25.83	S68° 47' 56.19"E	238786.00, 2586627.05	238776.66, 2586651.13		
	L205	73.97	N45° 42' 03.46"E	238826.16, 2586447.60	238877.82, 2586500.54		
¥.	L206	176.49	N29° 26' 34.62"W	239902.04, 2585900.99	240055.74, 2585814.23		
SPUR 5	L207	31.01	N0° 45' 14.79"W	240100.39, 2585801.48	240131.39, 2585801.07		
°,	L208	71.28	N77° 00' 24.14"W	240155.42, 2585781.70	240171.45, 2585712.24		
Щ. Ц.	L209	10.39	N53° 48' 58.90"E	240145.30, 2585796.63	240151.44, 2585805.01		
SPUR 6	L210	18.44	N58° 11' 26.72"E	240153.57, 2585808.18	240163.29, 2585823.85		
1	L211	130.40	N1° 27' 25.11"E	240298.33, 2585617.31	240428.69, 2585620.63		
spur _	L212	5.81	N74° 09' 53.68"W	240463.02, 2585594.30	240464.61, 2585588.71		
LAS .	L213	5.64	S2° 59' 05.28"W	240453.77, 2585574.41	240448.13, 2585574.11		
<u>+</u>	L214	20.87	N72° 29' 52.34"W	240440.10, 2585562.55	240446.37, 2585542.65		
SPUR 8	L215	8.74	N53° 29' 45.54"E	240445.39, 2585616.27	240450.59, 2585623.29		
SPI 8	L216	10.91	S84° 15' 17.45"E	240454.41, 2585637.19	240453.32, 2585648.05		

#### ALIGNMENT LAYOUT - LINE DATA

LENGTH BEARING ANGLE BEGINNING POINT END POINT LINE NO. (FT.) (DD°MM'SS") NORTHING FT., EASTING FT.) (NORTHING FT., EASTING FT.) L222 31.27 N41° 06' 03.41"E 239228.59, 2586342.35 239252.16, 2586362.91 L225 19.04 S3° 15' 19.40"E 239640.13, 2586168.14 239621.12, 2586169.22 239562.07, 2586190.03 239550.97, 2586197.95 13.64 L226 S35° 33' 27.59"E L227 38.34 S34° 50' 13.48"E 239550.97, 2586197.95 239519.50, 2586219.86 L228 47.95 S13° 47' 28.79"E 239492.81, 2586231.92 239446.24, 2586243.35 L229 257.45 S44° 53' 29.89"E 239434.56, 2586249.92 239252.17.2586431.61 L230 89.74 S30° 32' 27.69"E 239247.23, 2586435.44 239169.94, 2586481.04 L231 14.98 S27° 43' 25.28"E 239169.94, 2586481.04 239156.69, 2586488.00 S18° 17' 08.42"E 239156.69, 2586488.00 L232 40.09 239118.62, 2586500.58 L233 239118.62, 2586500.58 239096.85, 2586503.56 21.97 S7° 47' 58.81"E 239096.85, 2586503.56 239075.56, 2586509.46 L234 22.09 S15° 28' 57.80"E L235 23.78 S22° 19' 23.59"E 239075.56, 2586509.46 239053.57, 2586518.49 239053.57, 2586518.49 239035.66, 2586528.27 L236 20.40 S28° 38' 35.89"E 239018.28, 2586545.89 239028.78, 2586533.81 L237 16.01 S48° 59' 26.48"E L238 99.35 S24° 30' 06.76"E 239009.78, 2586552.23 238919.37, 2586593.43 238829.20, 2586675.27 238817.63, 2586695.28 L239 23.12 S59° 56' 54.84"E

SCALE

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ALTERATIONS, ADDITIONS, AND/OR DELETIONS OF THESE DRAWINGS ON PROJECT EXTENSIONS OR OTHER	
PROJECTS SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO GANNETT FLEMING, INC. IN THE EVENT	
THAT A CONFLICT ARISES BETWEEN THE SEALED DRAWINGS AND THE ELECTRONIC FILES, THE SEALED DRAWINGS	
WILL GOVERN.	

🖄 Gannett Fleming

EAST GOSHEN TOWNSHIP CHESTER COUNTY, PENNSYLV/

MILLTOWN DAM HAZARD REI AND RESERVOIR ENHANCE

		JOB NO.	SHEET NO.
ANIA	ALIGNMENT LAYOUT AND	60466	C8
	SURVEY CONTROL PLAN	00 100	50
DUCTION	SURVET CONTROL PLAN	DATE	DRAWING NO.
EMENTS	SHEET 2 OF 3	FEB. 2020	

		AL	IGNMEN	T LAYO	OUT - CUR	/E DAT/	4		
CURVE NO.	PI STATION (FT.)	PI NORTHING (FT.)	PI EASTING (FT.)	RADIUS (FT.)	DELTA ANGLE (DD°MM'SS")	TANGENT LENGTH (FT.)	CURVE LENGTH (FT.)	PC STATION (FT.)	PT STATION (FT.)
C1	1+01.54	240409.01	2585675.24	50.00	005°50'38"	2.55	5.10	0+98.99	1+04.09
C2	2+67.00	240243.73	2585683.06	65.00	069°05'45"	44.75	78.39	2+22.25	3+00.64
C3	4+62.02	240179.37	2585878.89	130.00	052°22'05"	63.92	118.82	3+98.10	5+16.92
C4	8+12.52	239840.33	2585998.53	200.00	009°38'28"	16.87	33.65	7+95.65	8+29.31
C5	9+07.82	239746.35	2586014.76	165.00	029°35'50"	43.59	85.23	8+64.23	9+49.46
C6	10+22.41	239656.28	2586088.72	75.00	039°06'13"	26.64	51.19	9+95.77	10+46.96
C7	14+37.93	239573.01	2586497.94	230.00	038°57'01"	81.33	156.36	13+56.60	15+12.95
C8	17+12.95	239356.07	2586677.07	230.00	031°07'45"	64.06	124.96	16+48.89	17+73.85
C9	18+52.19	239215.20	2586697.91	200.00	026°52'15"	47.78	93.80	18+04.41	18+98.21
C10	19+50.56	239120.22	2586666.22	150.00	032°19'26"	43.47	84.62	19+07.09	19+91.71
C11	21+04.29	238968.72	2586703.63	225.00	020°10'41"	40.03	79.24	20+64.25	21+43.49
C12	22+58.84	238814.28	2586686.56	150.00	040°06'26"	54.75	105.00	22+04.08	23+09.08
C88	1+40.29	238781.27	2586457.09	200.00	001°38'31"	2.87	5.73	1+37.42	1+43.15
C89	5+23.92	239154.58	2586368.97	186.41	033°55'03"	56.85	110.35	4+67.08	5+77.43
C90	8+47.42	239379.15	2586131.52	388.27	013°03'48"	44.46	88.53	8+02.96	8+91.49
C91	9+31.15	239449.80	2586085.95	259.04	004°25'29"	10.01	20.00	9+21.14	9+41.14
C92	12+09.38	239702.22	2585968.89	456.14	005°28'52"	21.84	43.64	11+87.55	12+31.18
C93	12+46.90	239735.11	2585950.78	16.00	036°39'54"	5.30	10.24	12+41.59	12+51.83
C94	13+03.57	239791.50	2585959.35	20.00	037°34'24"	6.80	13.12	12+96.77	13+09.88
C95	14+24.62	239897.87	2585900.55	20.00	037°34'24"	6.80	13.12	14+17.82	14+30.93

			AL	IGNMEN	T LAYC	OUT - CUR	/E DATA	4		
	CURVE NO.	PI STATION (FT.)	PI NORTHING (FT.)	PI EASTING (FT.)	RADIUS (FT.)	DELTA ANGLE (DD°MM'SS")	TANGENT LENGTH (FT.)	CURVE LENGTH (FT.)	PC STATION (FT.)	PT STATIO (FT.)
	C96	14+75.68	239918.42	2585853.27	20.00	037°51'40"	6.86	13.22	14+68.82	14+82.03
	C97	14+94.60	239935.47	2585843.96	716.32	002°00'36"	12.57	25.13	14+82.03	15+07.17
	C98	17+34.67	240142.88	2585723.07	1099.34	001°16'10"	12.18	24.36	17+22.49	17+46.85
	C99	17+93.60	240191.88	2585690.38	222.23	005°39'54"	11.00	21.97	17+82.60	18+04.58
	C100	19+05.97	240288.95	2585633.76	639.54	002°35'43"	14.49	28.97	18+91.49	19+20.45
	C101	19+35.97	240315.90	2585620.57	296.68	003°33'01"	9.19	18.38	19+26.78	19+45.16
	C102	21+04.61	240460.83	2585534.36	12.13	068°56'44"	8.33	14.60	20+96.28	21+10.88
	C103	0+85.45	239390.54	2586176.87	40.00	047°13'43"	17.49	32.97	0+67.96	1+00.93
	C104	1+69.91	239476.97	2586174.59	30.00	061°55'53"	18.00	32.43	1+51.91	1+84.33
	C105	2+75.87	239531.04	2586269.85	30.00	069°22'30"	20.76	36.32	2+55.10	2+91.43
	C106	3+43.44	239484.45	2586325.77	100.00	038°33'59"	34.99	67.31	3+08.46	3+75.77
	C107	4+50.76	239482.09	2586435.72	150.00	045°52'38"	63.48	120.11	3+87.28	5+07.39
N	C108	5+84.71	239376.63	2586528.95	547.20	009°35'57"	45.95	91.68	5+38.76	6+30.44
	C109	7+20.62	239259.07	2586597.58	75.00	045°53'27"	31.75	60.07	6+88.87	7+48.94
	C110	8+68.32	239113.50	2586556.95	275.00	038°09'03"	95.10	183.11	7+73.23	9+56.34
	C111	9+73.70	239009.64	2586600.08	18.00	087°55'17"	17.36	27.62	9+56.34	9+83.96
	C112	10+41.41	238978.46	2586532.07	80.00	010°20'04"	7.23	14.43	10+34.18	10+48.61
	C113	1+31.08	239295.24	2586265.98	127655.87	000°07'04"	131.08	262.16	0+00.00	2+62.16
	C114	2+70.20	239203.61	2586370.65	93.01	009°52'24"	8.03	16.03	2+62.16	2+78.19
)	C115	3+27.19	239158.52	2586405.57	100.00	015°01'46"	13.19	26.23	3+14.00	3+40.23

			ALI	IGNMEN	T LAYC	OUT - CUR	/E DAT/	4		
	CURVE NO.	PI STATION (FT.)	PI NORTHING (FT.)	PI EASTING (FT.)	RADIUS (FT.)	DELTA ANGLE (DD°MM'SS")	TANGENT LENGTH (FT.)	CURVE LENGTH (FT.)	PC STATION (FT.)	PT STATION (FT.)
1	C140	1+49.36	239507.28	2586228.37	80.19	021°02'45"	14.90	29.46	1+34.46	1+63.92
	C141	2+18.83	239439.49	2586245.01	25.00	031°06'01"	6.96	13.57	2+11.87	2+25.44
N W N SNM	C142	0+51.63	239588.58	2586171.07	112.55	032°18'08"	32.59	63.45	0+19.04	0+82.49
OPEN WATER POND ALIGNMENT	C143	7+26.68	239031.72	2586530.42	25.00	020°20'51"	4.49	8.88	7+22.20	7+31.08
1	C144	7+52.51	239014.72	2586549.98	25.00	024°29'20"	5.43	10.69	7+47.08	7+57.77

-	ALIGNMENT LAYOUT - CURVE DATA									
<ul> <li>SPUR 1</li> </ul>	CURVE NO.	PI STATION (FT.)	PI NORTHING (FT.)	PI EASTING (FT.)	RADIUS (FT.)	DELTA ANGLE (DD°MM'SS")	TANGENT LENGTH (FT.)	CURVE LENGTH (FT.)	PC STATION (FT.)	PT STATION (FT.)
	C116	3+69.88	239132.63	2586439.71	45.00	038°31'45"	15.73	30.26	3+54.15	3+84.42
4	C117	0+39.26	239335.64	2586529.62	35.00	066°34'49"	22.98	40.67	0+16.27	0+56.95
1	C118	0+92.18	239370.17	2586482.75	80.00	021°30'33"	15.20	30.03	0+76.99	1+07.02
SPUR	C119	1+23.22	239396.96	2586466.38	98.53	018°34'34"	16.11	31.95	1+07.11	1+39.05
л П	C120	1+53.13	239416.36	2586443.25	86.25	012°26'50"	9.41	18.74	1+43.73	1+62.47
ł	C121	1+75.78	239426.42	2586422.87	7.46	098°30'18"	8.66	12.83	1+67.12	1+79.95
33	C122	0+21.22	239344.04	2586486.56	35.00	052°18'00"	17.18	31.95	0+04.04	0+35.99
E.	C123	1+13.00	239274.37	2586549.96	15.01	110°32'32"	21.65	28.96	0+91.35	1+20.31
	C124	0+35.66	238946.40	2586547.71	75.00	032°25'34"	21.81	42.45	0+13.85	0+56.30
SPUR 4	C125	1+19.48	238862.19	2586536.18	50.00	050°17'00"	23.47	43.88	0+96.02	1+39.90
	C126	2+02.57	238798.67	2586594.36	150.00	026°18'30"	35.06	68.87	1+67.51	2+36.39
<u>۲</u>	C127	2+00.84	240076.05	2585800.82	77.24	034°59'20"	24.35	47.17	1+76.49	2+23.66
SPUR 5	C128	2+74.29	240151.01	2585800.81	25.00	076°15'09"	19.62	33.27	2+54.67	2+87.94
1	C129	0+12.30	240152.56	2585806.56	50.00	004°22'28"	1.91	3.82	0+10.39	0+14.21
	C130	1+57.36	240455.64	2585620.22	36.26	073°15'06"	26.96	46.36	1+30.40	1+76.76
SPUR 7	C131	1+96.56	240467.73	2585575.08	11.70	100°10'39"	13.98	20.45	1+82.57	2+03.03
	C132	2+18.62	240438.33	2585572.35	9.96	089°59'50"	9.95	15.64	2+08.67	2+24.31
ł	C133	0+16.46	240455.19	2585629.50	20.00	042°14'57"	7.73	14.75	0+08.74	0+23.48
ł	C138	9+21.04	238861.21	2586619.94	200.00	035°26'48"	63.92	123.73	8+57.12	9+80.85
ł	C139	4+86.04	239249.94	2586433.84	25.00	014°21'02"	3.15	6.26	4+82.89	4+89.15

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🎽 Gannett Fleming

DESIGNED

WCH

DRAWN

TDT

DATE BY

CADD

ECN

CHECKED

ECN

EAST GOSHEN TOWNSHIP CHESTER COUNTY, PENNSYLVA
MILLTOWN DAM HAZARD REI AND RESERVOIR ENHANCE

OPEN WATER POND -ALIGNMENT

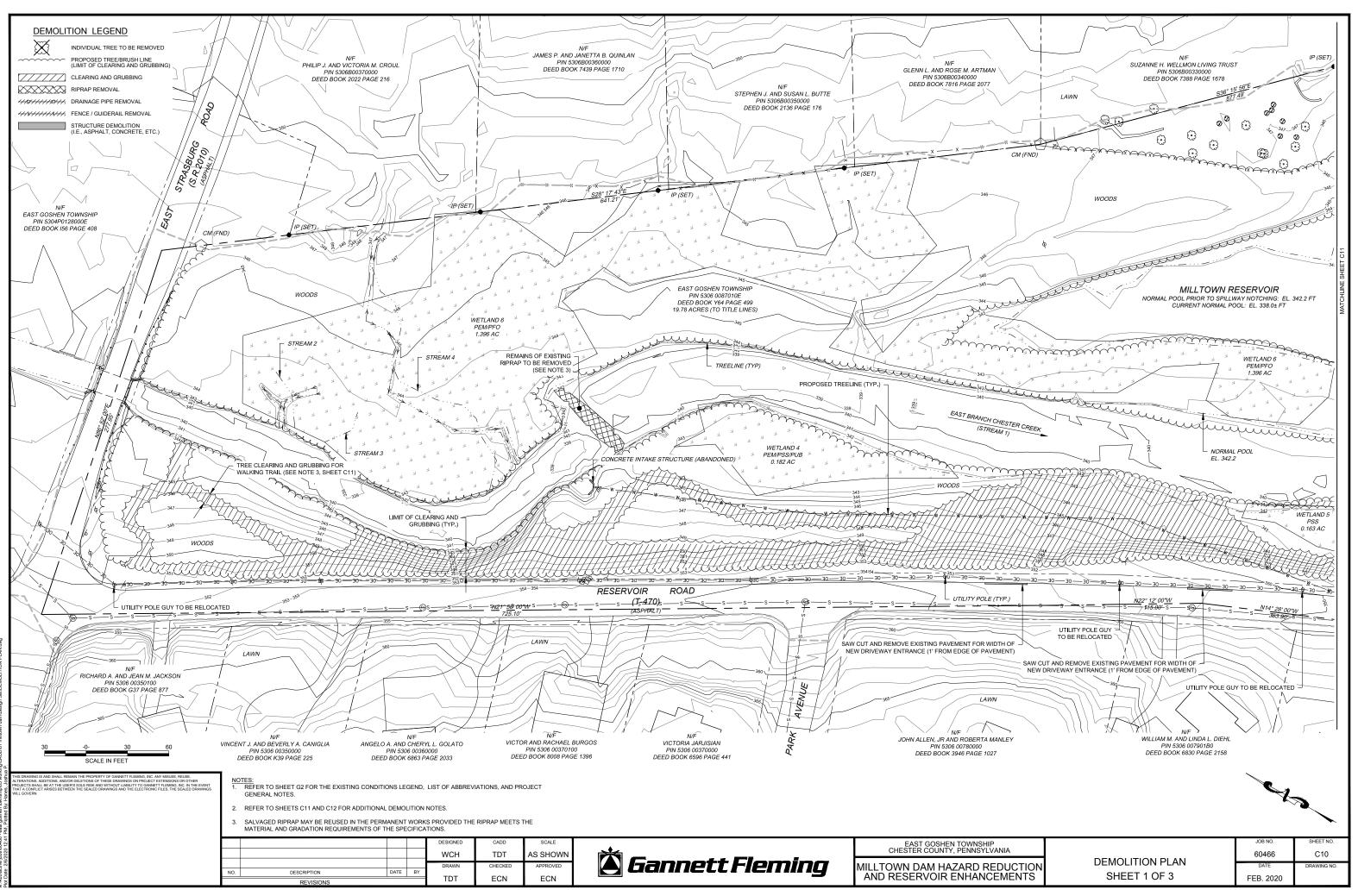
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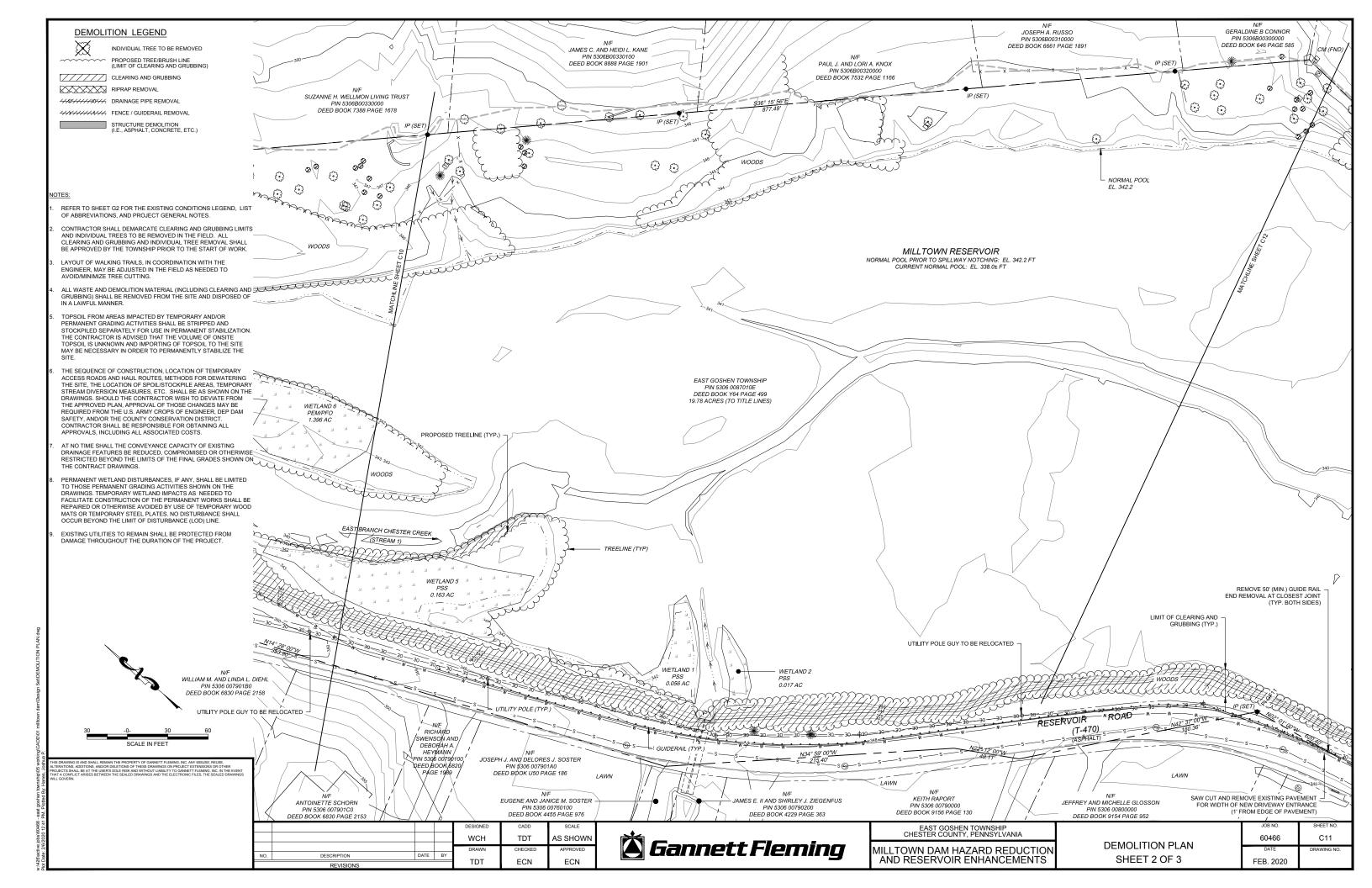
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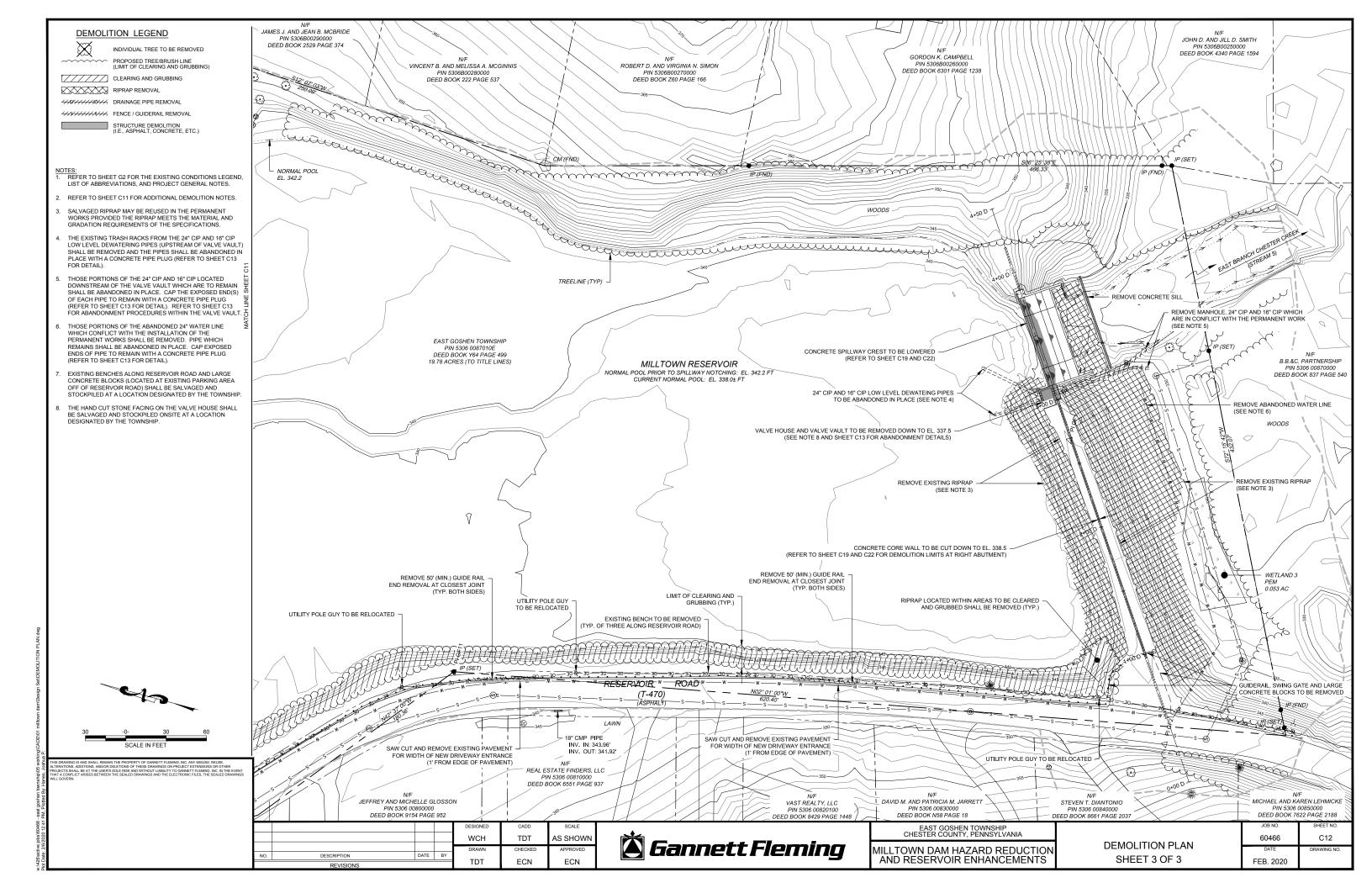
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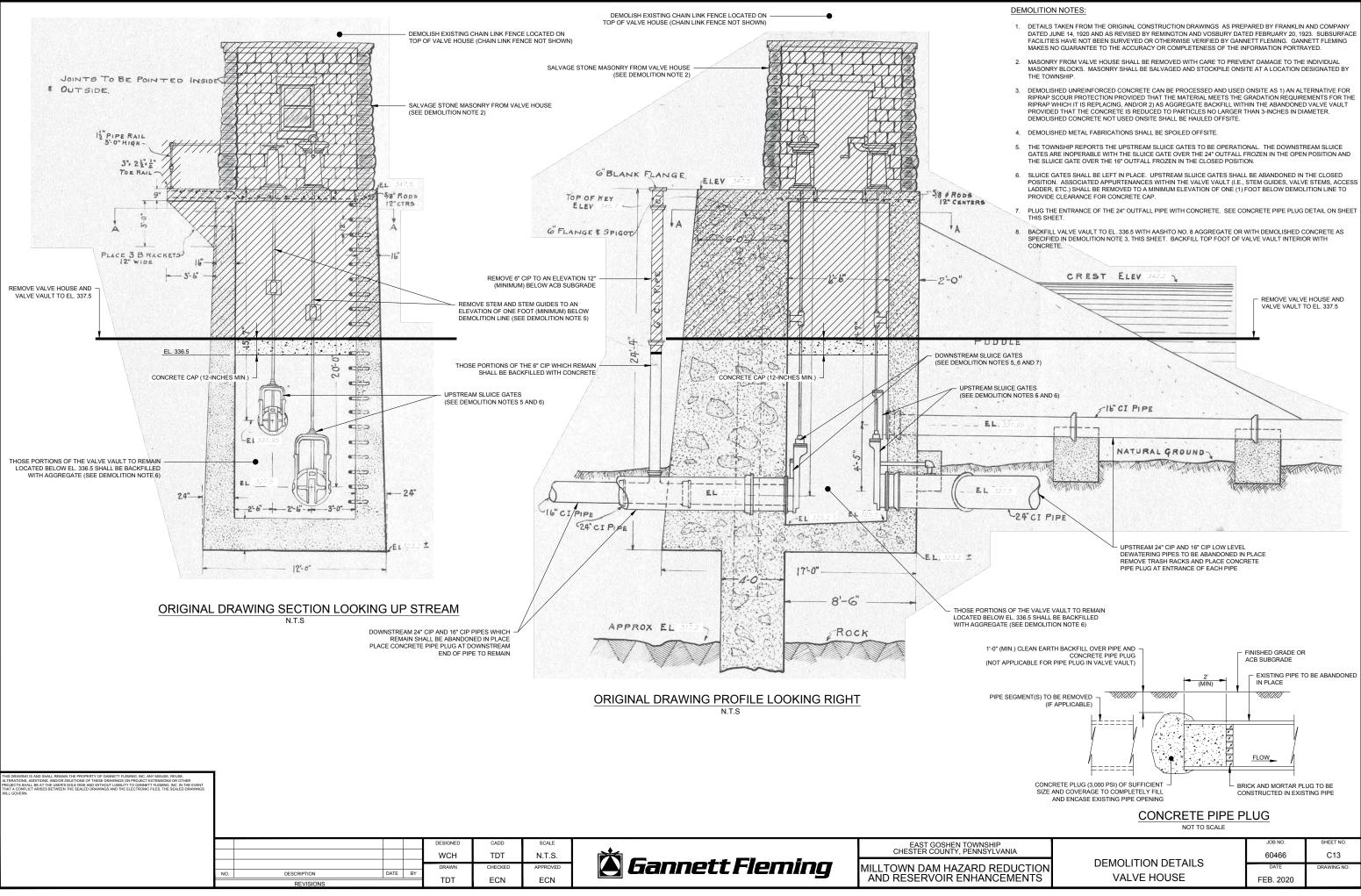
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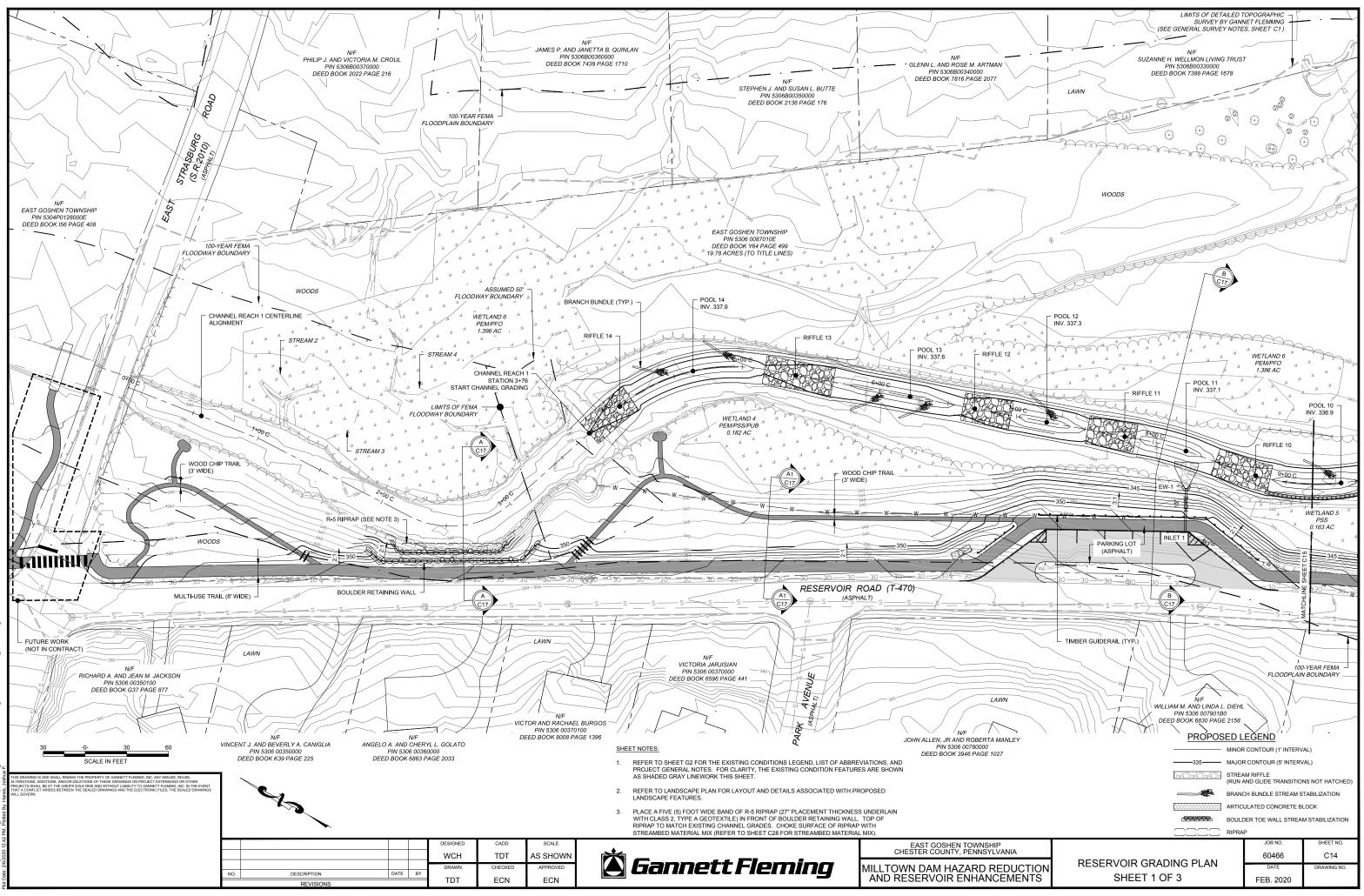
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ANIA	ALIGNMENT LAYOUT AND	60466	C9
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DUCTION	SURVET CONTROL FLAN	DATE	DRAWING NO.
EMENTS	SHEET 3 OF 3	FEB. 2020	

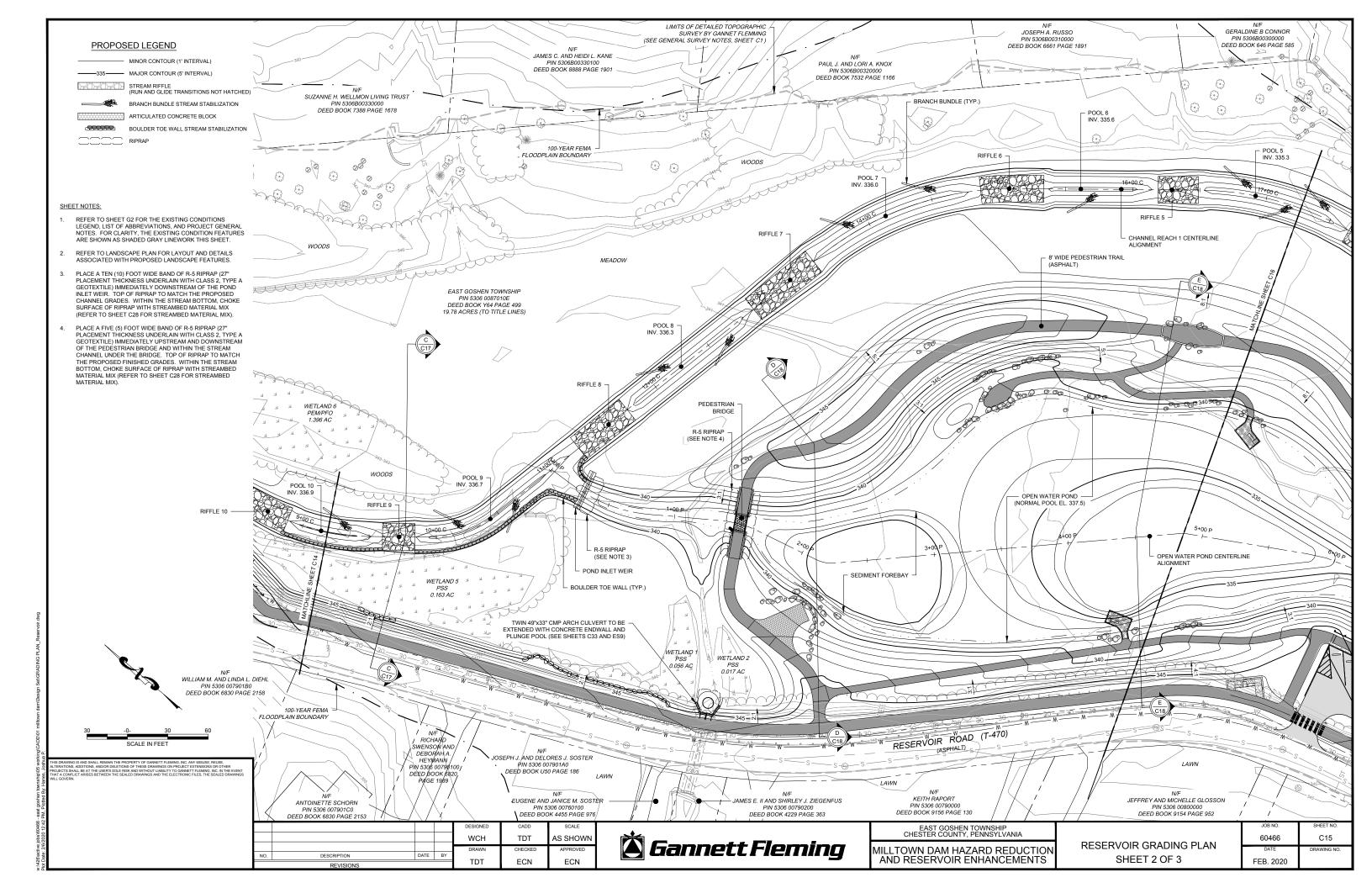


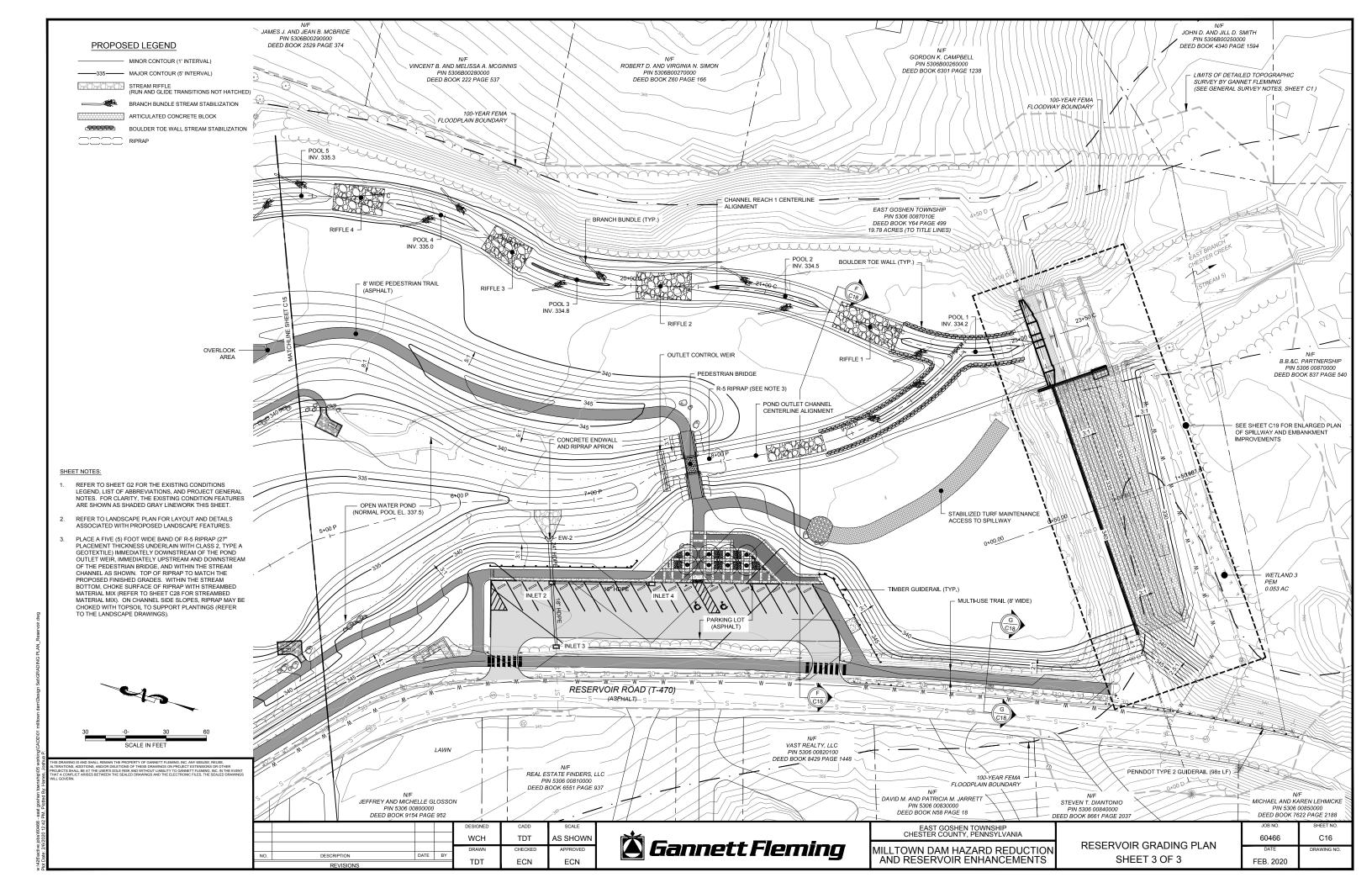


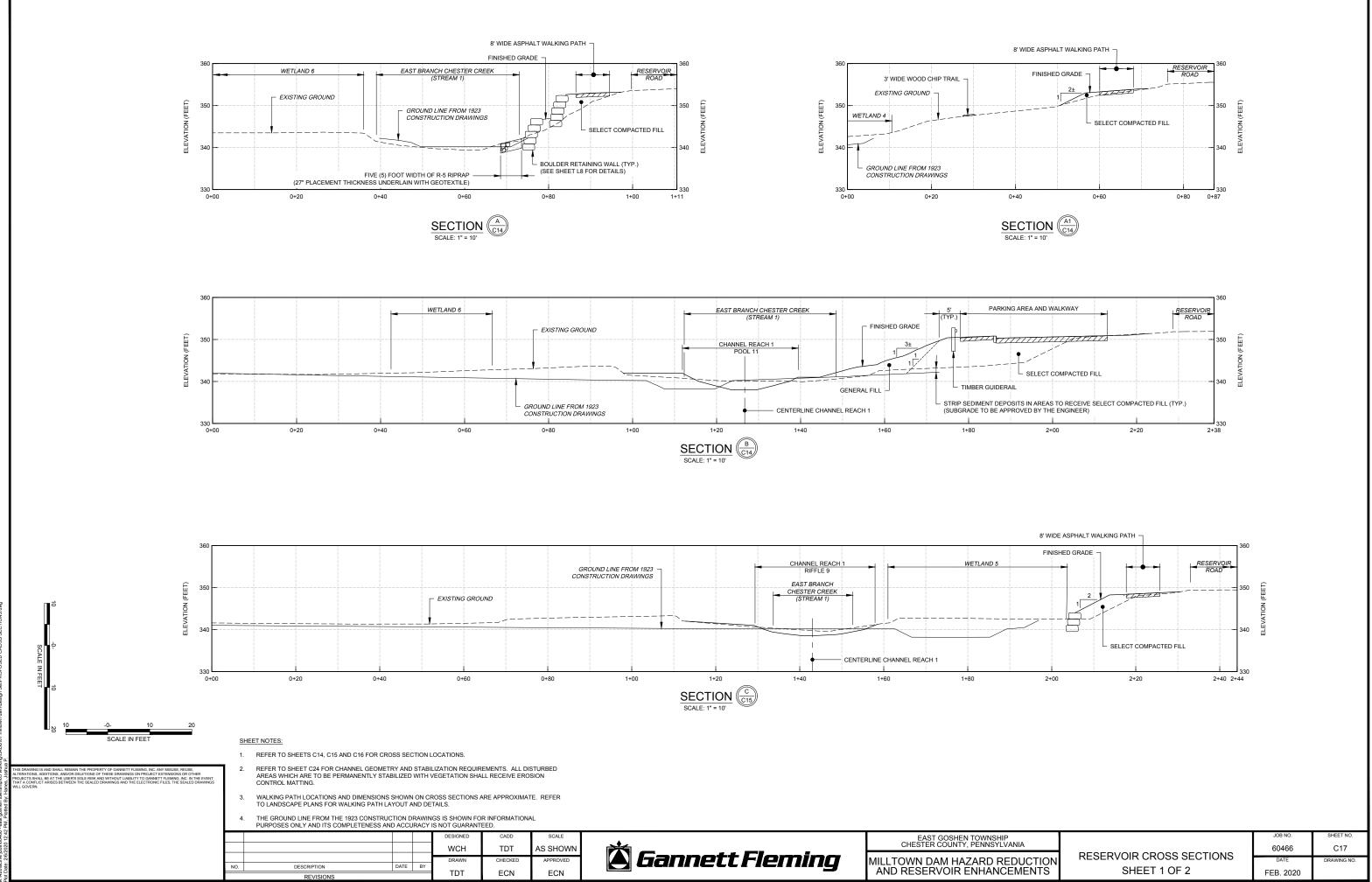


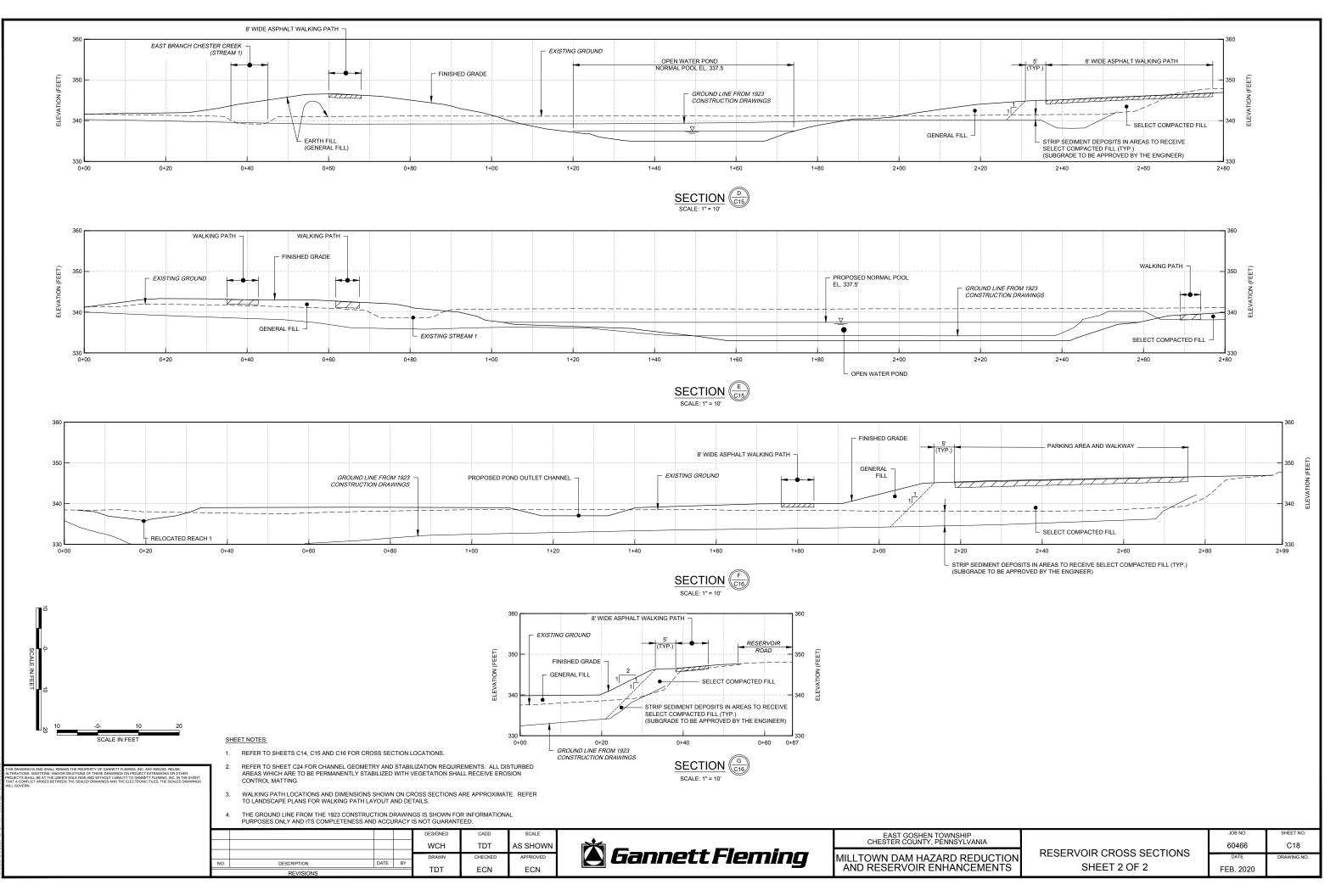


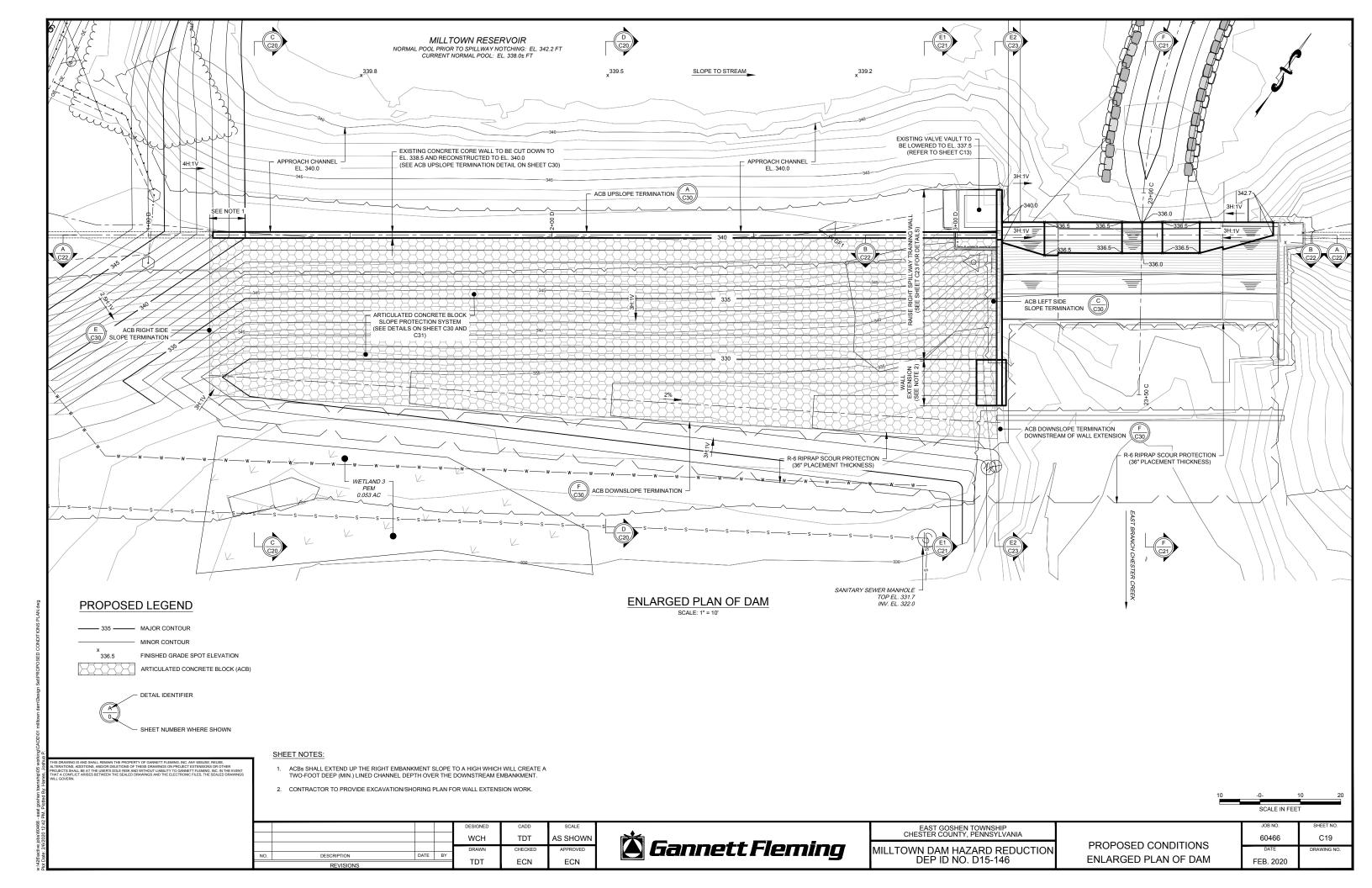


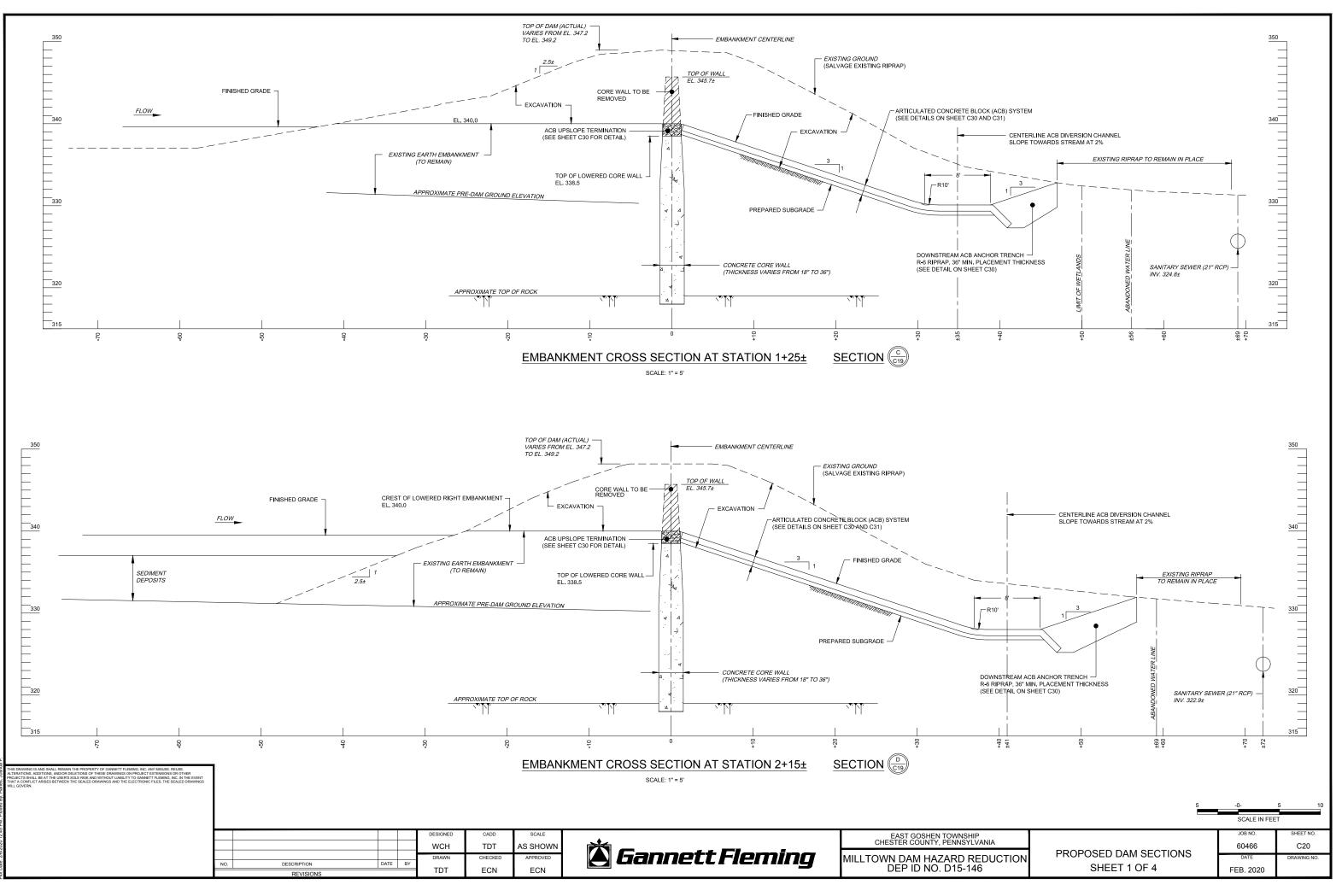




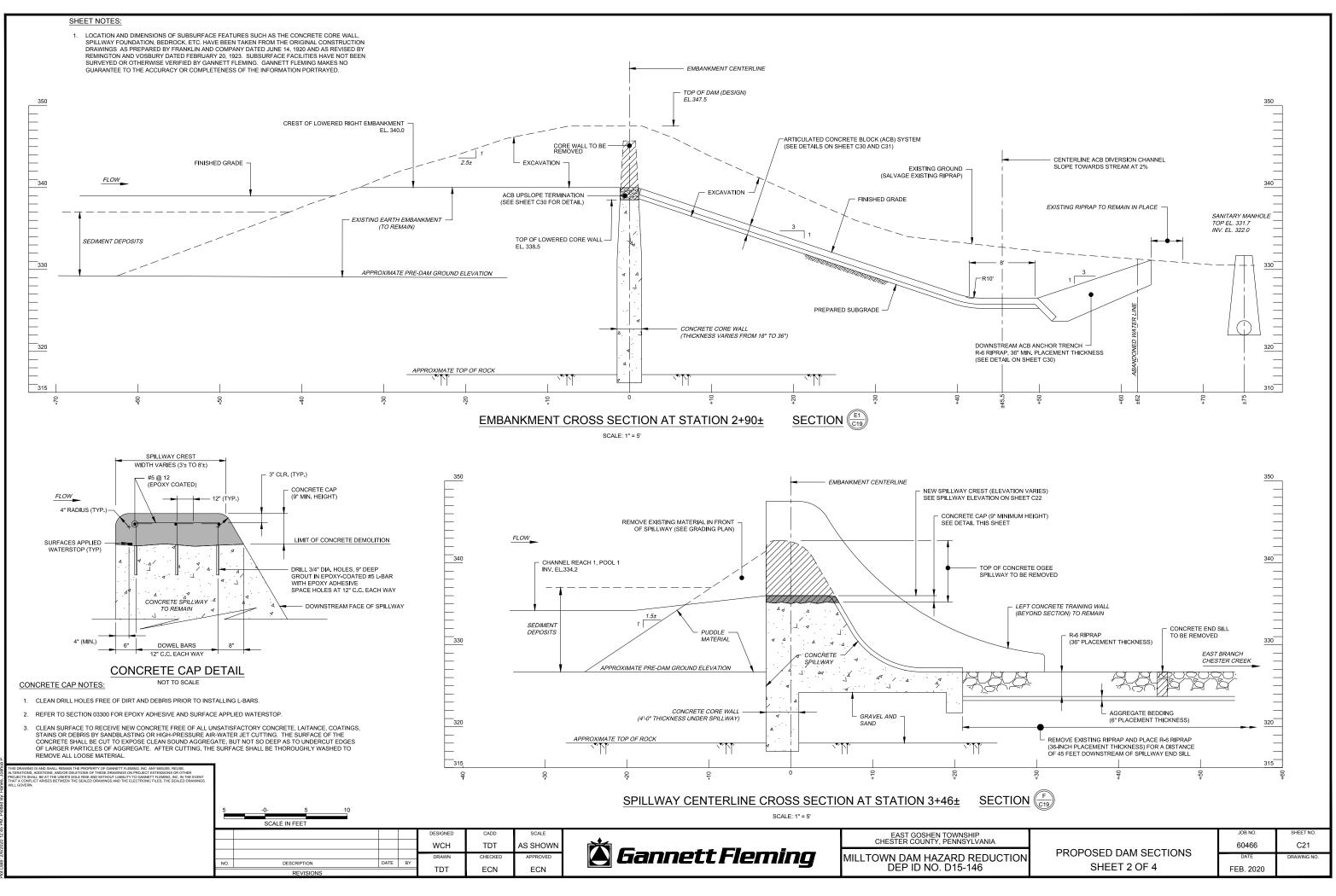


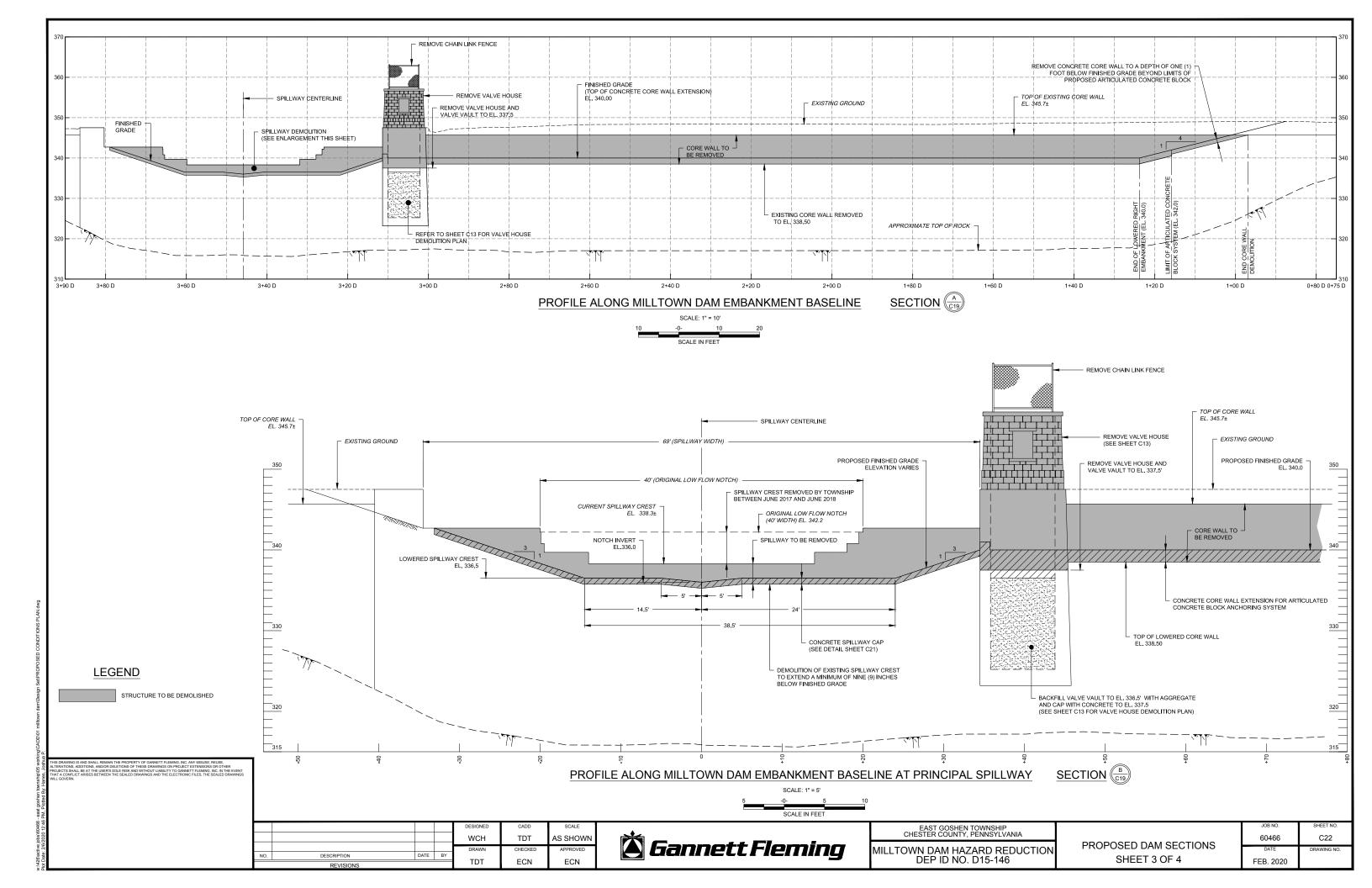


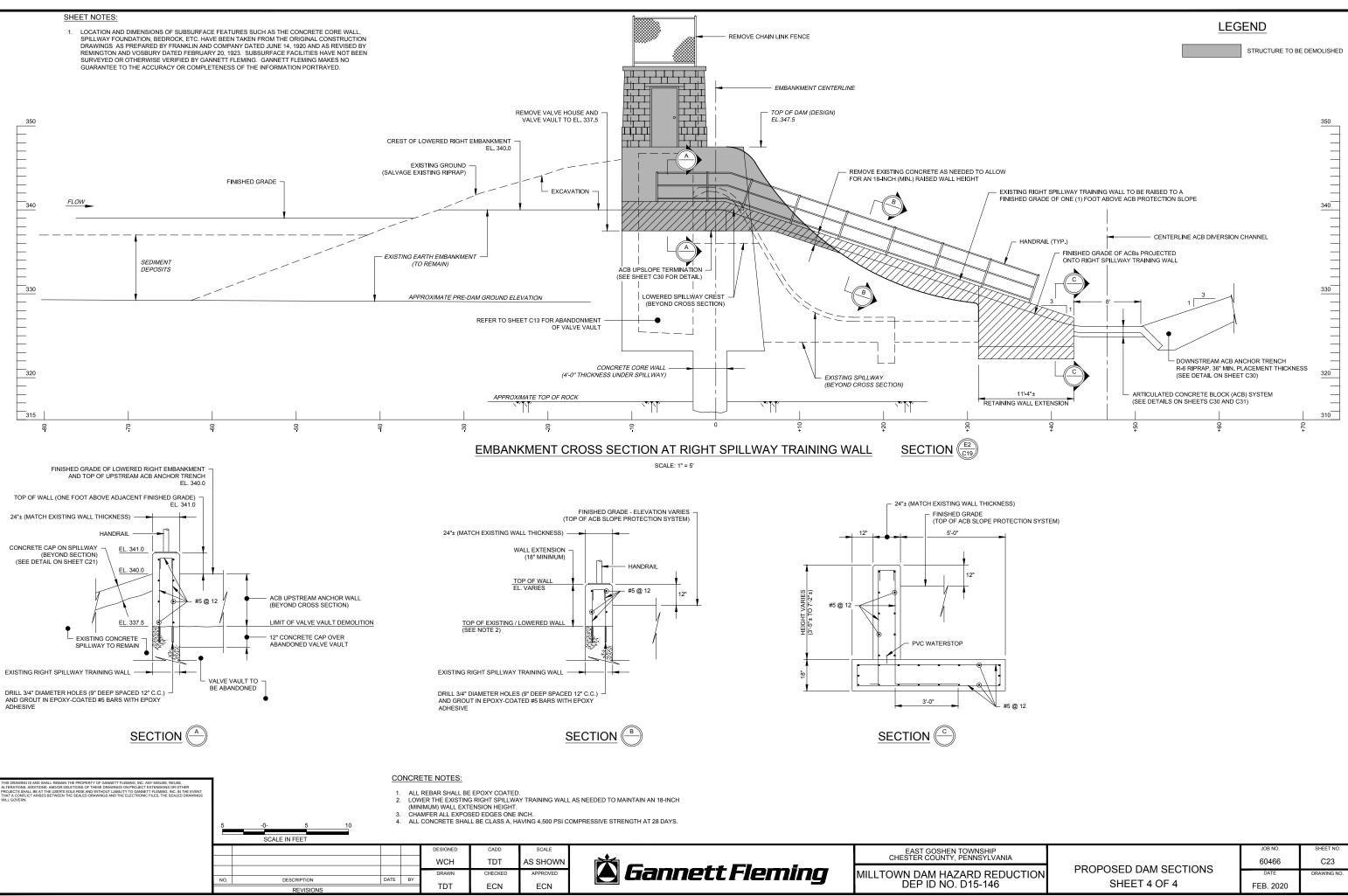


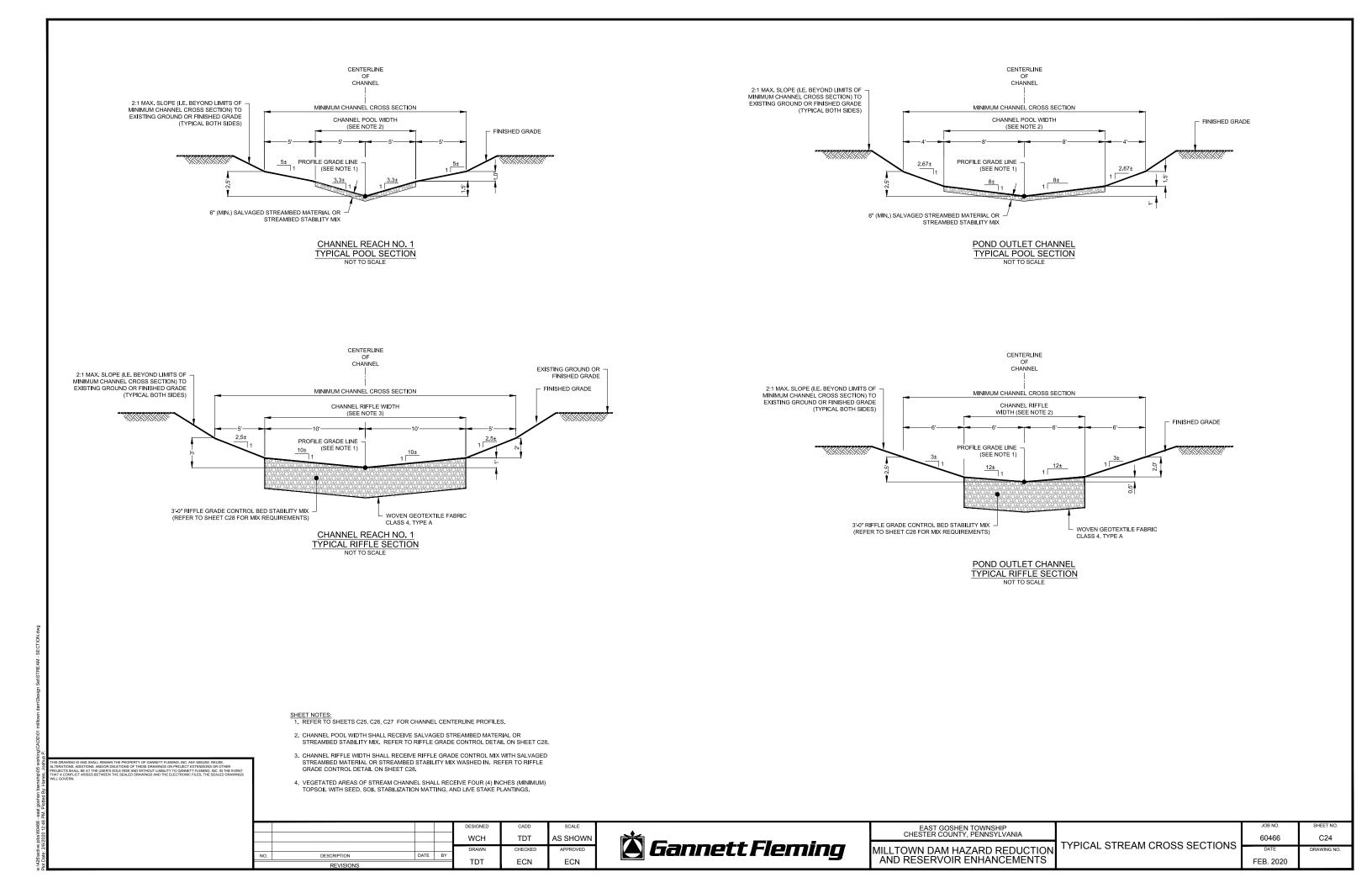


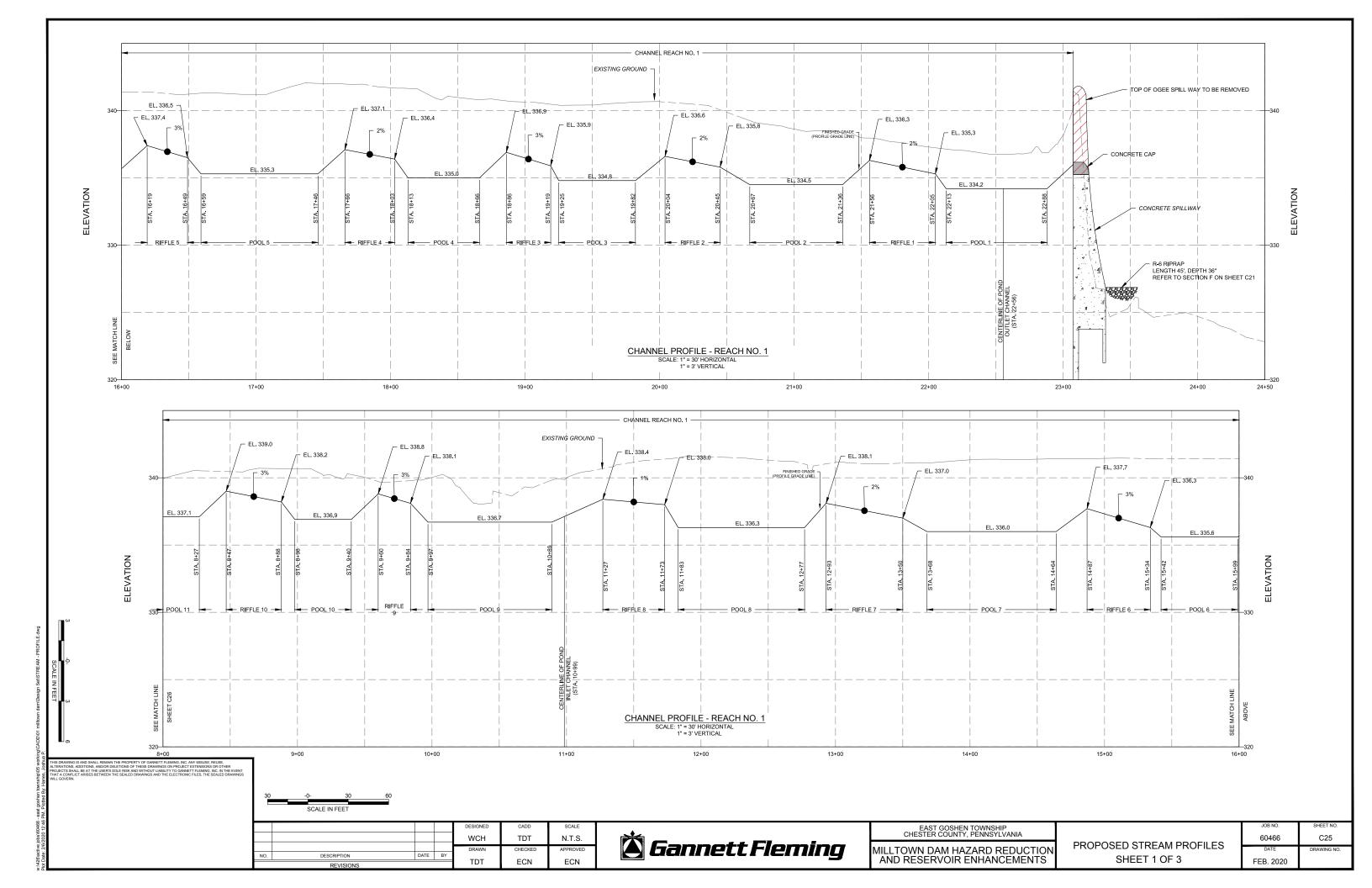
a jobslöddöt - assi goshen tavinshiplö5 workingiCADD/01 militown dam/Design SettPROPOSED CONDITIONS PLAN dwg

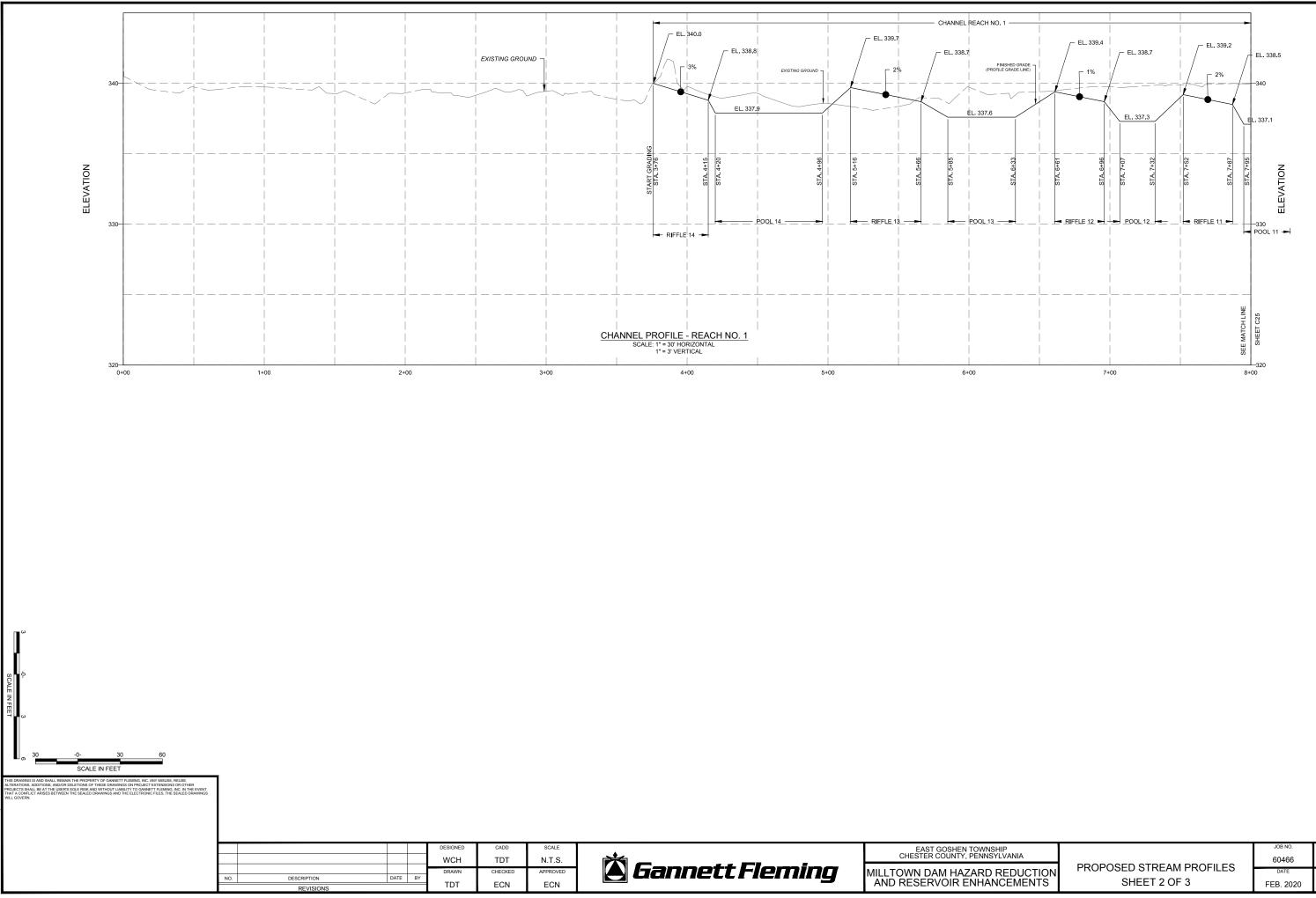




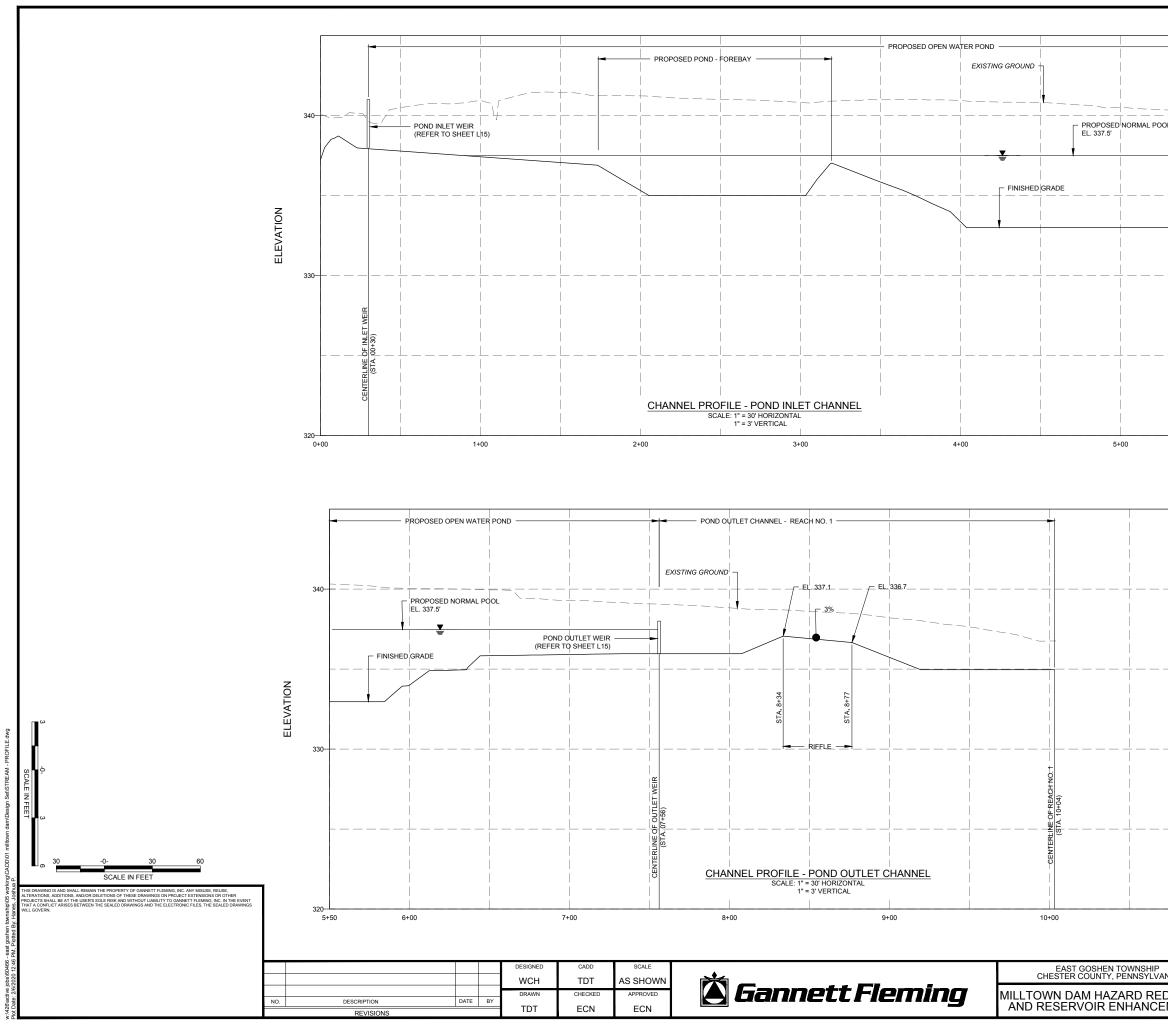




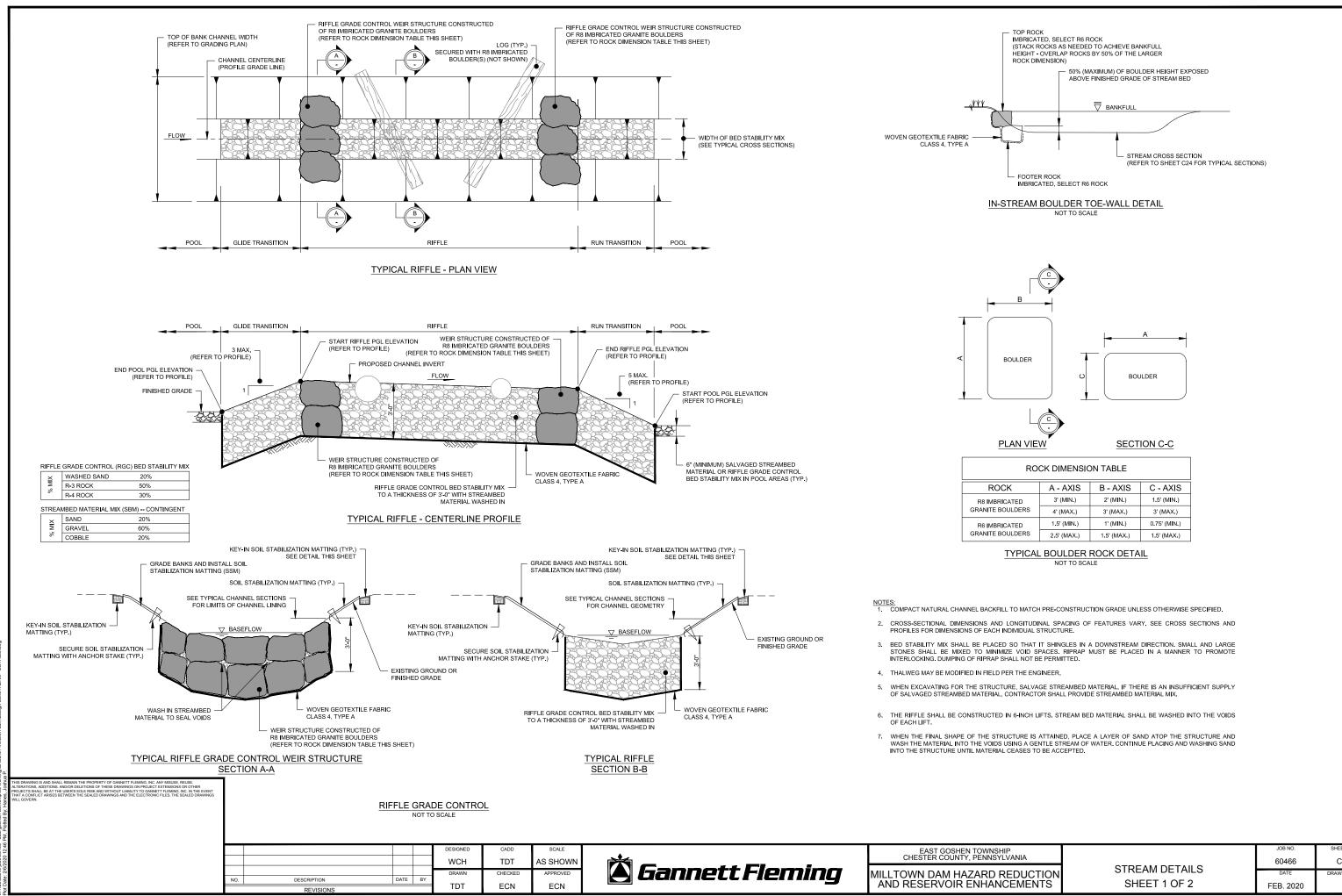




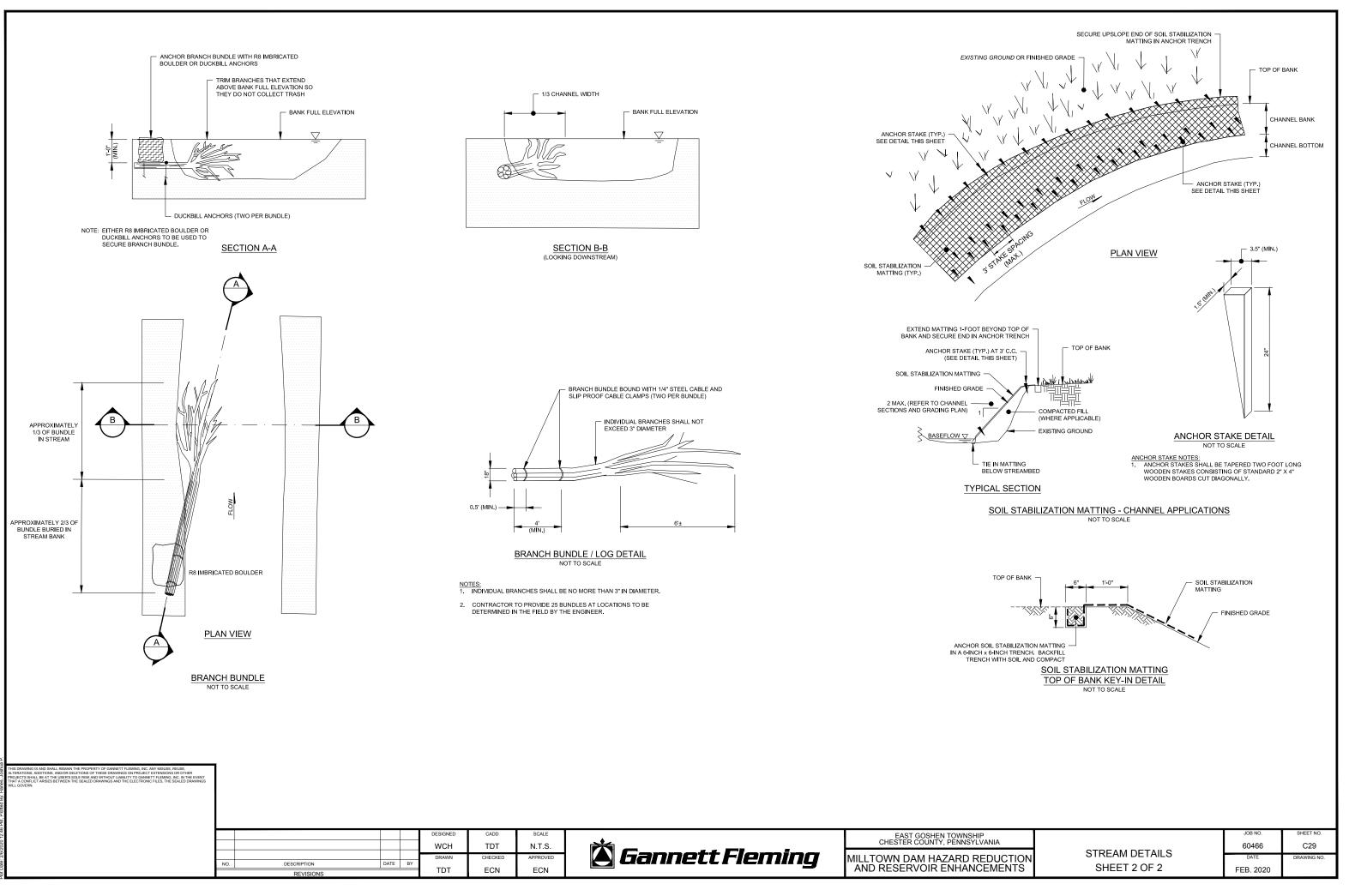
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CEMENTS	SHEET 2 OF 3	FEB. 2020	



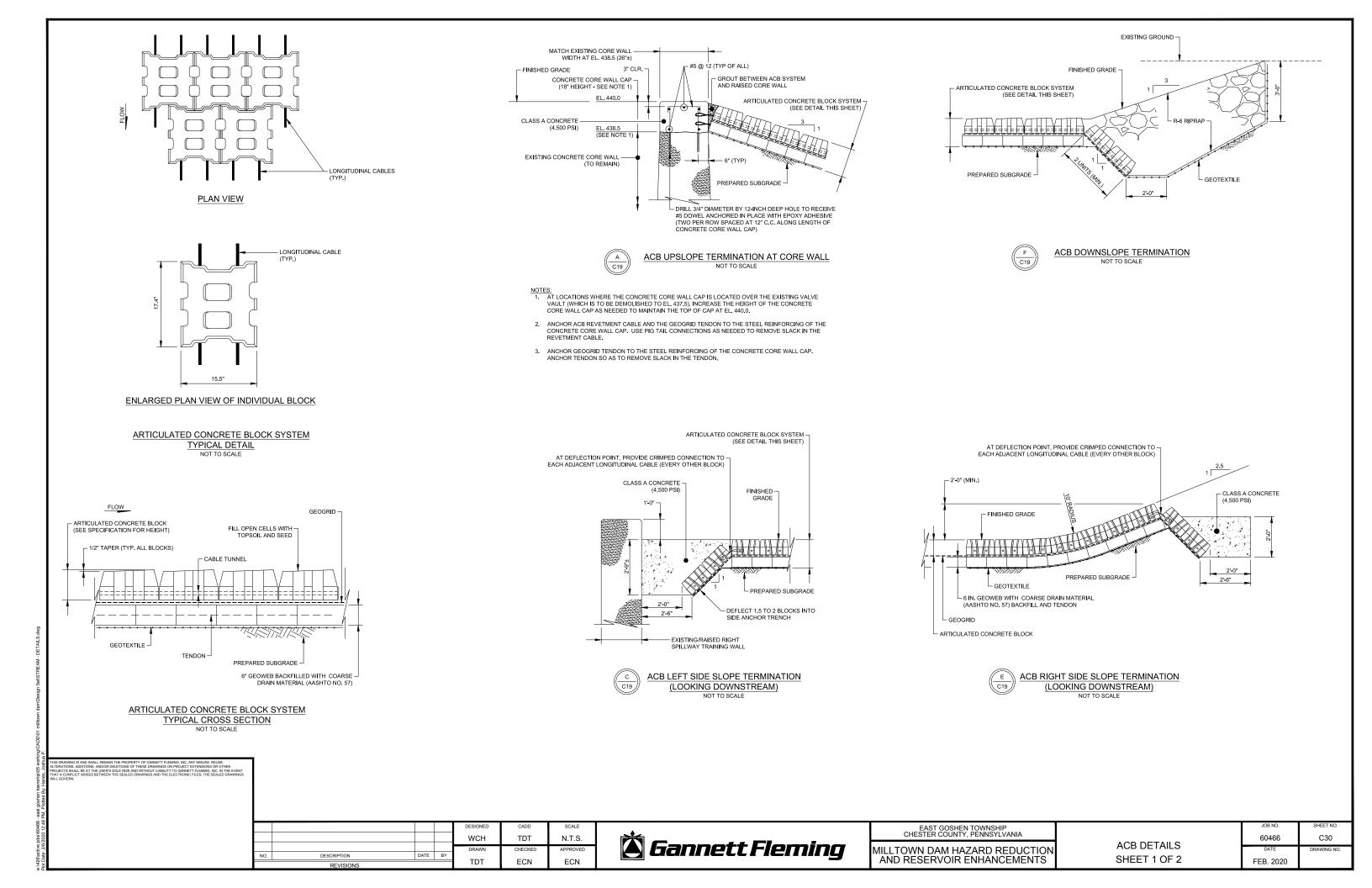
	Z		
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IP VANIA REDUCTION CEMENTS	PROPOSED STREAM PROFILES SHEET 3 OF 3	JOB NO. 60466 DATE FEB. 2020	SHEET NO. C27 DRAWING NO.

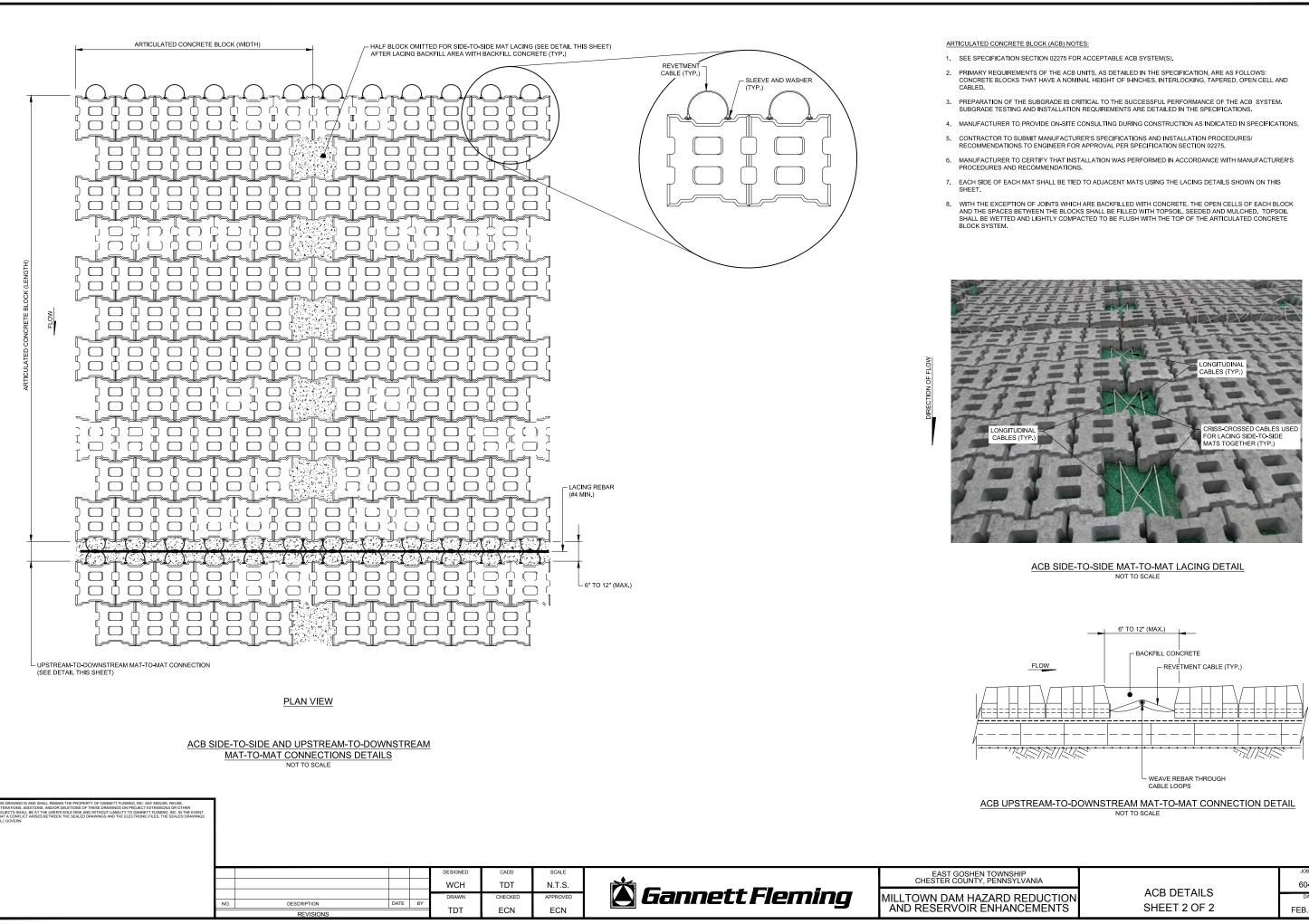


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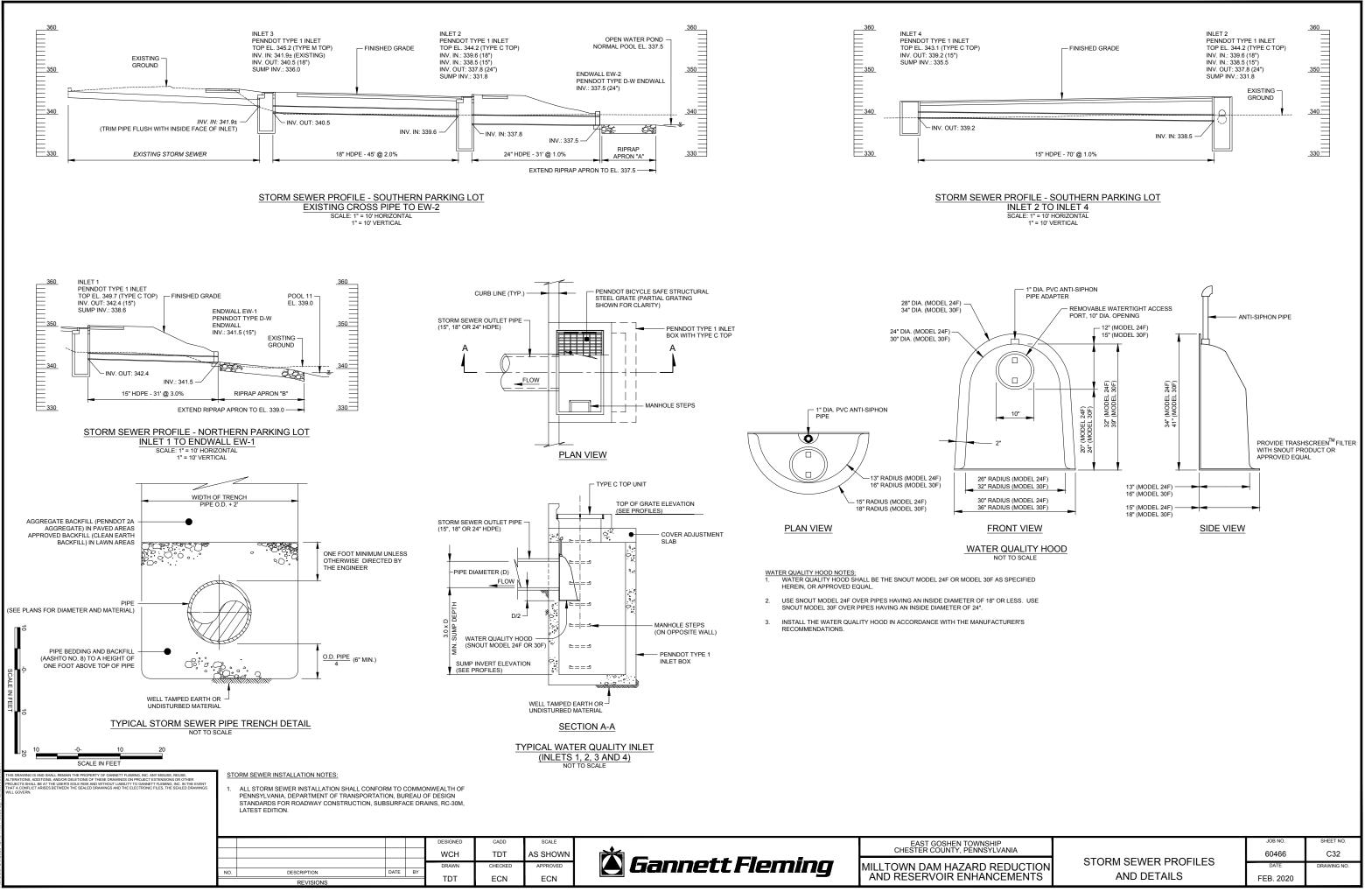


0466 - east goshen township/05 working/CADD/01 milltown dam/Design Set/

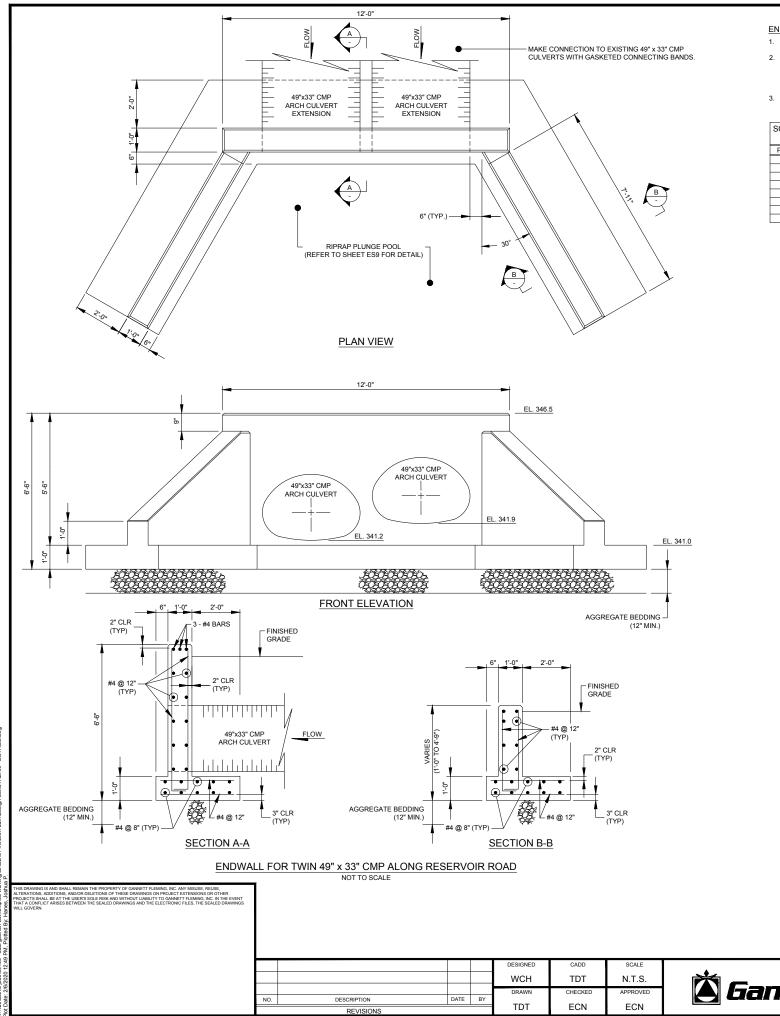


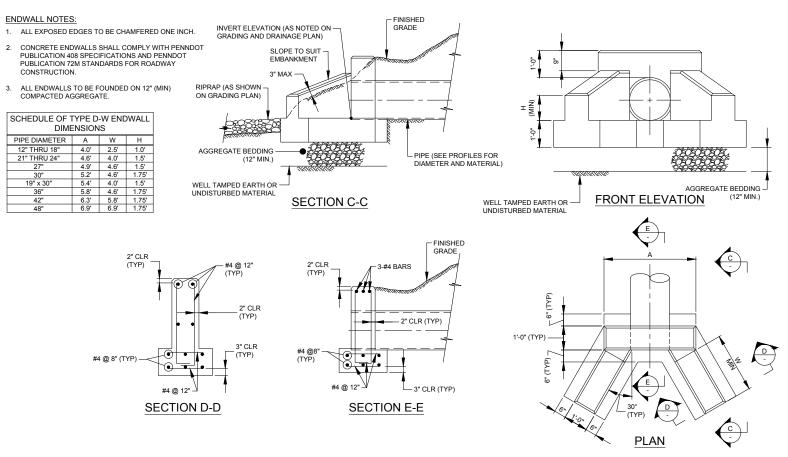


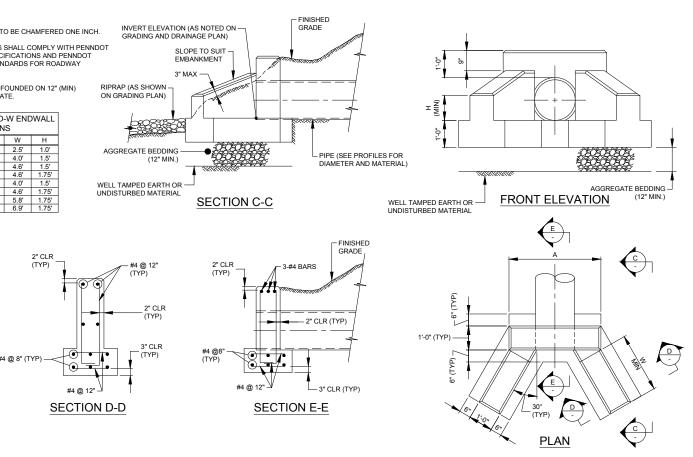
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DUCTION	ACB DETAILS	DATE	DRAWING NO.
EMENTS	SHEET 2 OF 2	FEB. 2020	



cdive jobs\60466 - east goshen township\05 working \*: 216/20120 12:49 PM. Plotted Bv: Hanes. Joshua P.







	EAST GOSHEN TOWNSHIP CHESTER COUNTY, PENNSYLVANIA		JOB NO. 60466	SHEET NO. C33
nnett Flemina	MILLTOWN DAM HAZARD REDUCTION	STORM SEWER DETAILS	DATE	DRAWING NO.
	AND RESERVOIR ENHANCEMENTS		FEB. 2020	

**TYPE D-W ENDWALL** NOT TO SCALE