

**PROJECT AREA KEYMAP**  
SCALE IN FEET  
0 400 800

**LEGEND**

	EXISTING MUNICIPAL PROPERTY BOUNDARY
	EXISTING PROPERTY PARCEL BOUNDARY
	EXISTING INDEX (MAJOR) CONTOUR
	EXISTING INTERMEDIATE (MINOR) CONTOUR
	EXISTING EDGE OF PAVEMENT
	EXISTING UNPAVED ROAD
	EXISTING PAVED ROAD
	EXISTING GAS LINE
	EXISTING TREE LINE
	EXISTING DRAINAGE CENTER LINE
	EXISTING APPROXIMATE WATER BODY EDGE
	EXISTING WATER BODY HATCH
	EXISTING APPROX. WATER BODY CENTERLINE
	EXISTING WETLAND
	EXISTING FEMA FLOODWAY
	EXISTING FEMA FLOODPLAIN
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED GAS LINE
	PROPOSED INDEX (MAJOR) CONTOURS
	PROPOSED INTERMEDIATE (MINOR) CONTOURS
	PROPOSED STREAM ALIGNMENT
	PROPOSED COMPACTED FILL (PROFILE)
	PROPOSED EXCAVATION (PROFILE)
	BOULDER CROSS VANE
	J-HOOK W/ BOULDER VANE
	BOULDER RIFFLE



- REFERENCE** 3/2/2021
- EXISTING TOPOGRAPHIC INFORMATION TAKEN FROM A COMBINATION OF GEOMORPHIC AND TOPOGRAPHIC SURVEY TECHNIQUES COLLECTED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. AND PROVIDED BY WILLIAMS AND STATE LIDAR FROM PENNSYLVANIA IMAGERY NAVIGATOR.
  - AERIAL MAPPING AND IMAGERY PROVIDED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC. AND GOOGLE EARTH IMAGERY.
  - HORIZONTAL DATUM IS PA STATE PLANE SOUTH ZONE NAD '83 IN FEET.
  - VERTICAL DATUM IS NAVD83 (GEOID12B).
  - DEPTHS OF EXISTING LEIDY GAS LINES BASED ON RECORD DATA PROVIDED BY WILLIAMS.

REFERENCE DRAWINGS				REVISIONS			
DRAWING NO.	TITLE	NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK. APP.
		0	12/18/2020	C/JG	ISSUED FOR 60% PLAN REVIEW	1219290	MDG/MDG
		1	2/22/2021	C/JG	ISSUED FOR 90% DESIGN REVIEW	1219290	MDG/MDG
		2	3/1/2021	C/JG	ISSUED FOR PERMIT	1219290	MDG/MDG

**TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC**  
**LOYALSOCK CREEK PIPELINE REPLACEMENT PROJECT**  
**STREAM STABILIZATION PLANS**  
**LYCOMING COUNTY, PENNSYLVANIA**

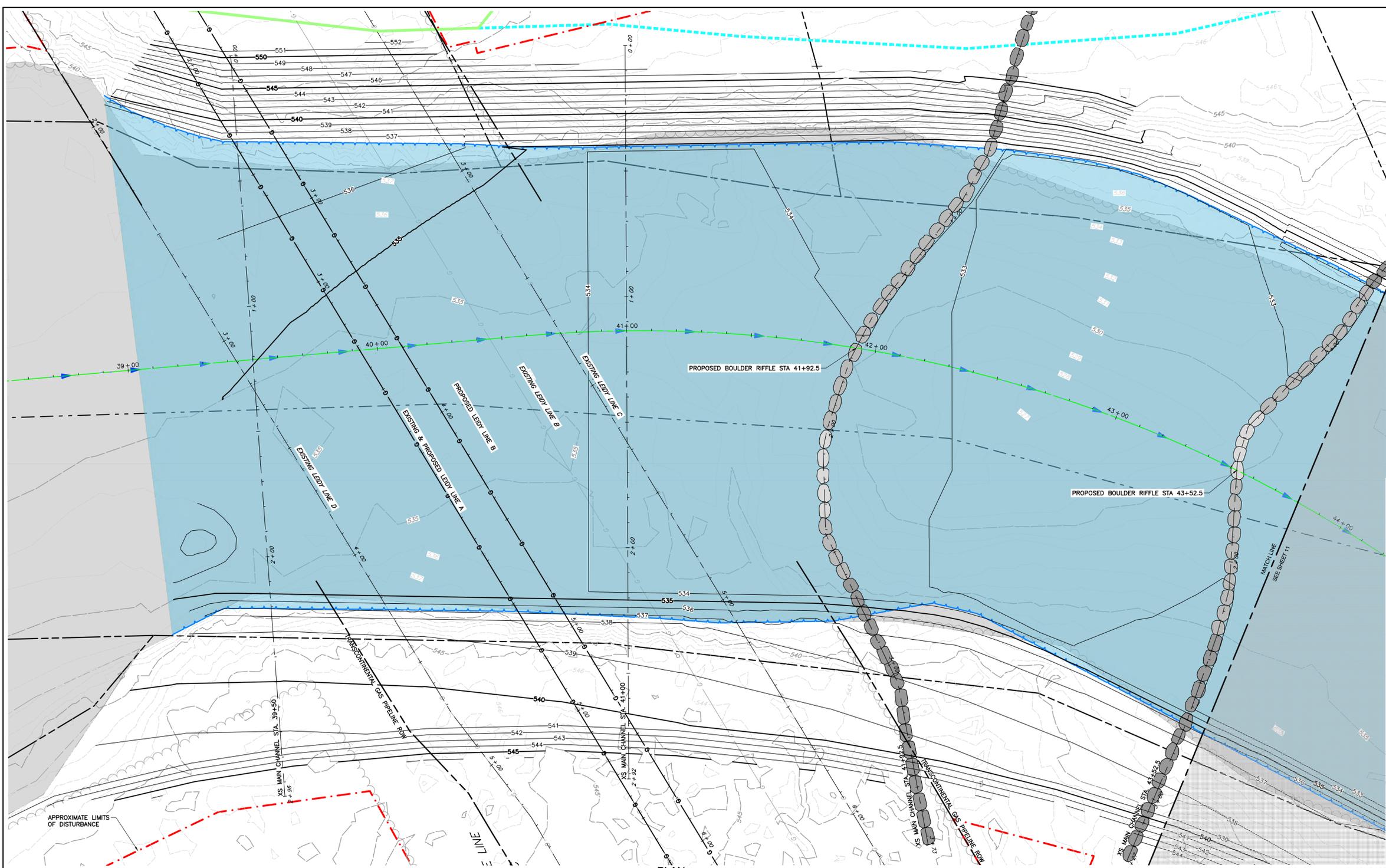
**Williams**  
WE MAKE CLEAN ENERGY HAPPY

DRAWN BY: CCP	DATE: 12/11/2020	ISSUED FOR BID: DRAFT	SCALE: AS NOTED
CHECKED BY: MDG	DATE: 2/25/2021	ISSUED FOR CONSTRUCTION: DRAFT	REVISION: 1
APPROVED BY: JCW	DATE: 2/26/2021	DRAWING NUMBER: GRADING PLAN	SHEET 09 OF 26

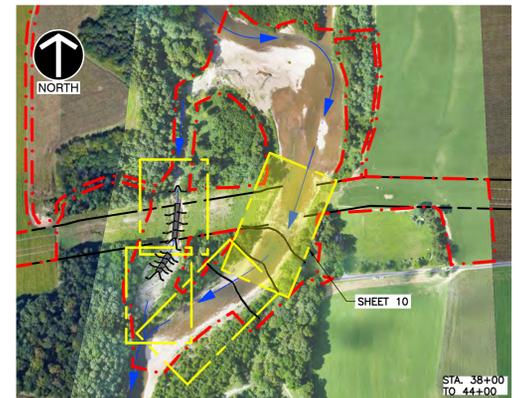
**PLAN**  
SCALE IN FEET  
0 40 80



NORTH

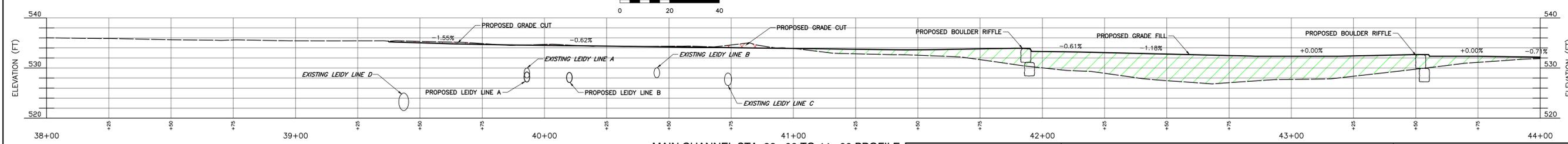


PLAN  
SCALE IN FEET



PROJECT AREA KEYMAP  
SCALE IN FEET

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MAIN CHANNEL STA. 38+00 TO 44+00 PROFILE

LEGEND

	EXISTING MUNICIPAL PROPERTY BOUNDARY		EXISTING TREE LINE		BOULDER CROSS VANE
	EXISTING PROPERTY PARCEL BOUNDARY		EXISTING DRAINAGE CENTER LINE		J-HOOK W/ BOULDER VANE
	EXISTING INDEX (MAJOR) CONTOUR		EXISTING APPROXIMATE WATER BODY EDGE		BOULDER RIFFLE
	EXISTING INTERMEDIATE (MINOR) CONTOUR		EXISTING WATER BODY HATCH		PROPOSED COMPACTED FILL (PROFILE)
	EXISTING EDGE OF PAVEMENT		EXISTING APPROX. WATER BODY CENTERLINE		PROPOSED EXCAVATION (PROFILE)
	EXISTING WETLAND		EXISTING WETLAND		PROPOSED GAS LINE
	EXISTING UNPAVED ROAD		EXISTING WETLAND		PROPOSED INDEX (MAJOR) CONTOURS
	EXISTING PAVED ROAD		EXISTING WETLAND		PROPOSED INTERMEDIATE (MINOR) CONTOURS
	EXISTING GAS LINE		EXISTING WETLAND		PROPOSED GAS LINE

REFERENCE DRAWINGS				REVISIONS				W.O. NO.	CHK.	APP.
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1		1	2/22/2021	C/JG	ISSUED FOR 90% DESIGN REVIEW	1219290	MDG	MDG		
2		2	3/1/2021	C/JG	ISSUED FOR PERMIT	1219290	MDG	MDG		

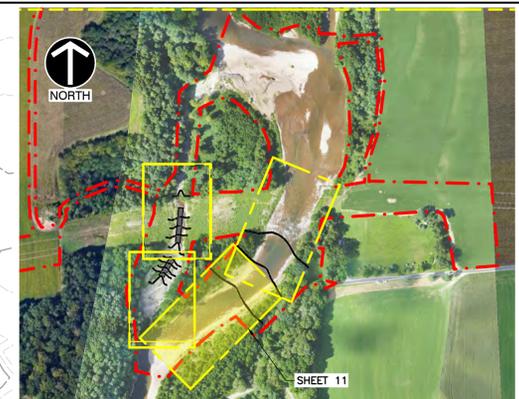
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
 LOYALSOCK CREEK PIPELINE REPLACEMENT PROJECT  
 STREAM STABILIZATION PLANS  
 LYCOMING COUNTY, PENNSYLVANIA

APPROVED BY: JCW DATE: 2/26/2021  
 DRAWING NUMBER: PROP MAIN CHANNEL PLAN & PROFILE STA 38+00 TO 44+00

3/2/2021

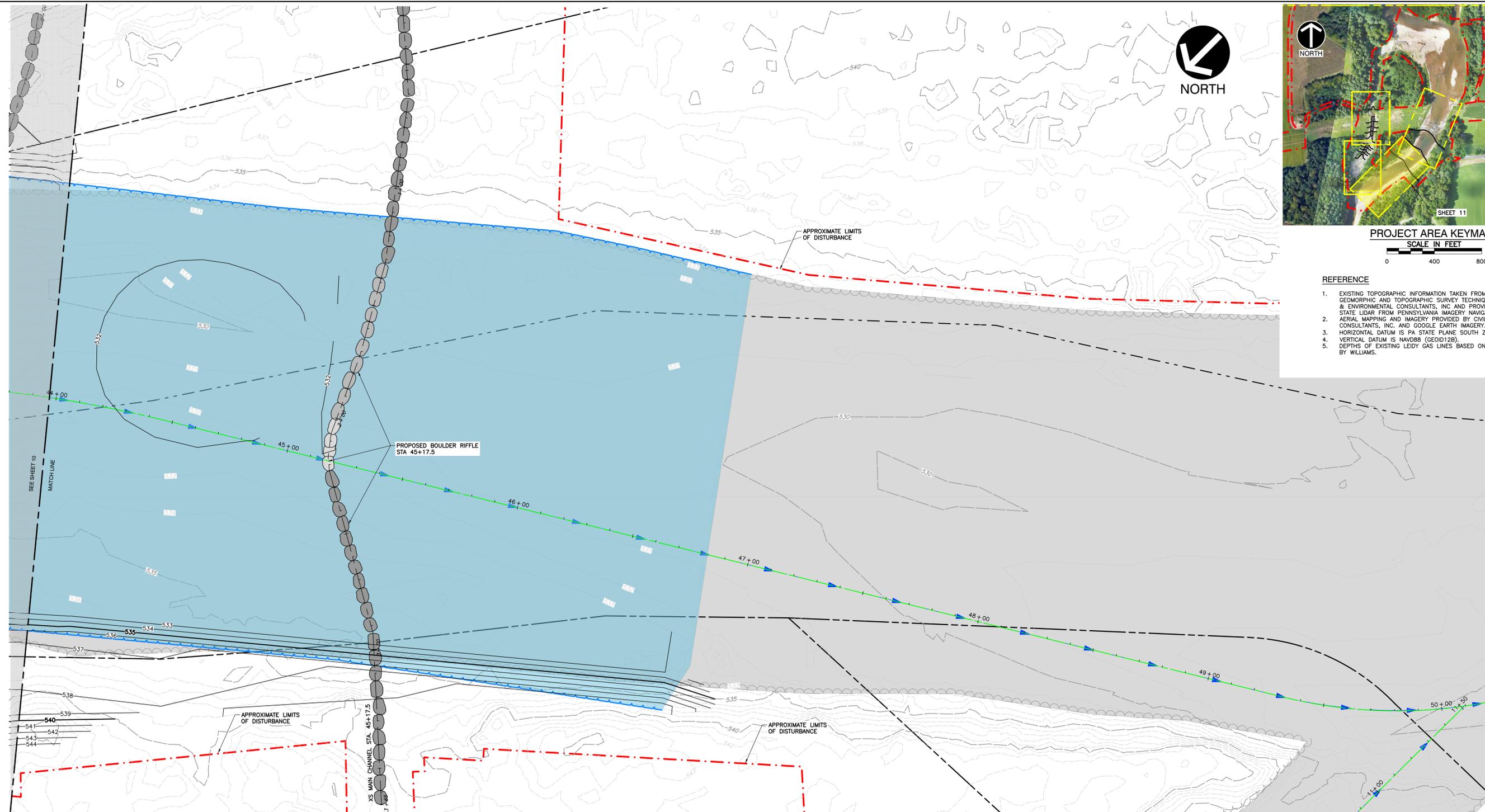
WILLIAMS  
 WE MAKE CLEAN ENERGY HAPPY

SHEET 10 OF 26

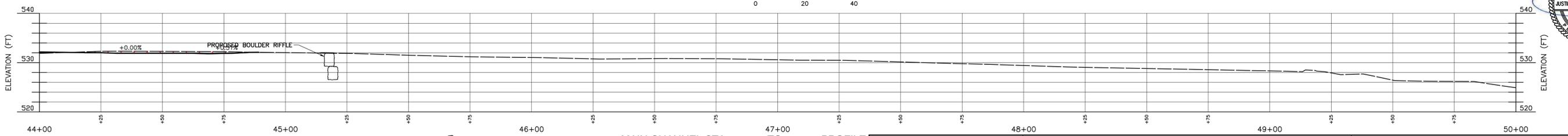


**PROJECT AREA KEYMAP**  
SCALE IN FEET  
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**PLAN**  
SCALE IN FEET  
0 20 40



**MAIN CHANNEL STA. 44+00 TO 50+00 PROFILE**  
HORIZONTAL SCALE IN FEET  
VERTICAL SCALE IN FEET  
2X VERTICAL EXAGGERATION

**LEGEND**

	EXISTING MUNICIPAL PROPERTY BOUNDARY		EXISTING TREE LINE		BOULDER CROSS VANE
	EXISTING PROPERTY PARCEL BOUNDARY		EXISTING DRAINAGE CENTER LINE		J-HOOK W/ BOULDER VANE
	EXISTING INDEX (MAJOR) CONTOUR		EXISTING APPROXIMATE WATER BODY EDGE		BOULDER RIFFLE
	EXISTING INTERMEDIATE (MINOR) CONTOUR		EXISTING WATER BODY HATCH		PROPOSED STREAM ALIGNMENT
	EXISTING EDGE OF PAVEMENT		EXISTING APPROX. WATER BODY CENTERLINE		PROPOSED COMPACTED FILL (PROFILE)
	EXISTING UNPAVED ROAD		EXISTING WETLAND		PROPOSED EXCAVATION (PROFILE)
	EXISTING PAVED ROAD		PROPOSED GAS LINE		
	EXISTING GAS LINE		PROPOSED INDEX (MAJOR) CONTOURS		
			PROPOSED INTERMEDIATE (MINOR) CONTOURS		

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TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
LOYALSOCK CREEK PIPELINE REPLACEMENT PROJECT  
STREAM STABILIZATION PLANS  
LYCOMING COUNTY, PENNSYLVANIA

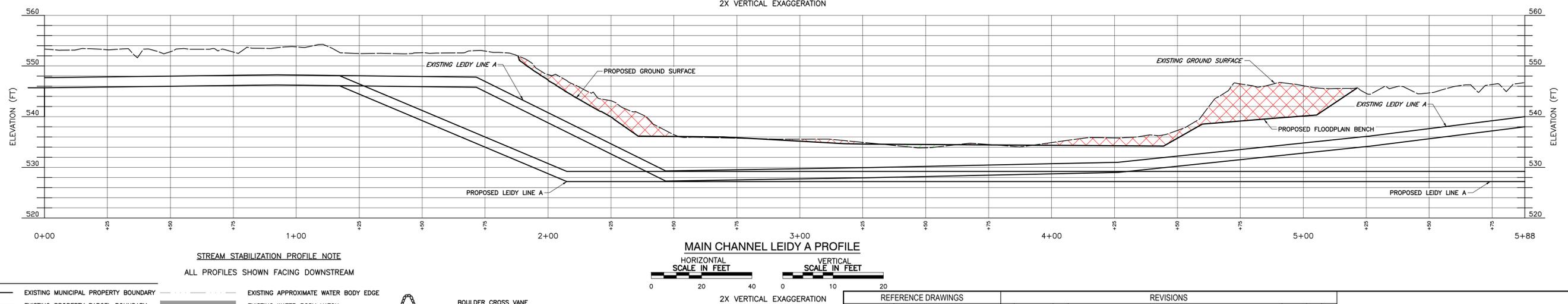
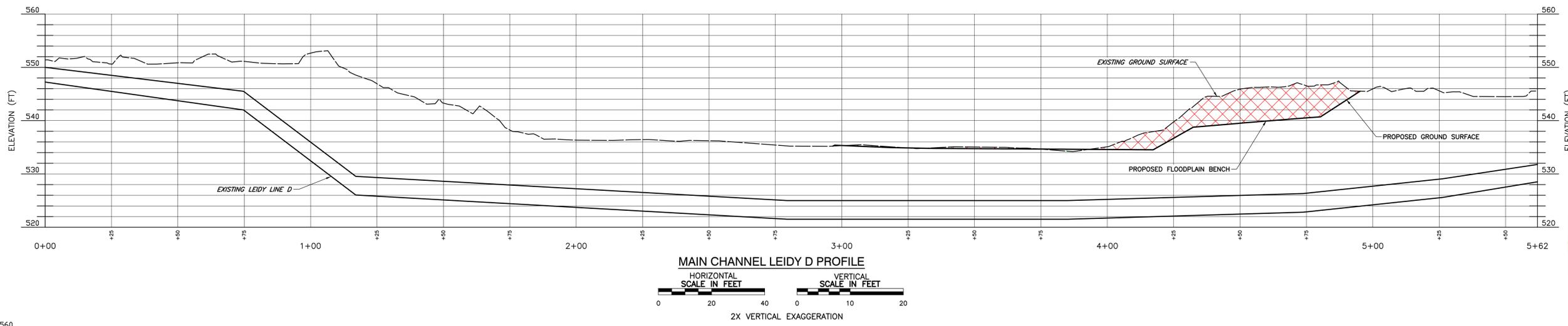
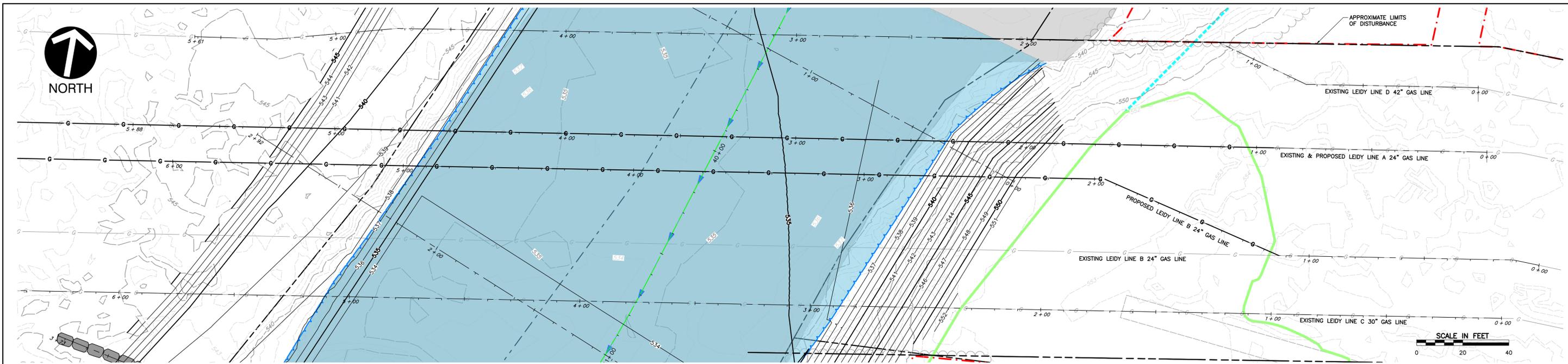
3/2/2021

PROF. WILLIAMS  
REGISTERED PROFESSIONAL ENGINEER  
JUSTIN CHRISTOPHER WANNER  
ENGINEER NO. PE000621

DRAWN BY: CCP	DATE: 12/11/2020	ISSUED FOR BID: DRAFT	SCALE: AS NOTED
CHECKED BY: MDG	DATE: 2/25/2021	ISSUED FOR CONSTRUCTION: DRAFT	REVISION: 1
APPROVED BY: JCW	DATE: 2/26/2021	DRAWING NUMBER: PROP MAIN CHANNEL PLAN & PROFILE STA 44+00 TO 50+00	SHEET 11 OF 26
WO: WOC1219290	RD: N/A		







**LEGEND**

---	EXISTING MUNICIPAL PROPERTY BOUNDARY	---	EXISTING APPROXIMATE WATER BODY EDGE		BOULDER CROSS VANE
---	EXISTING PROPERTY PARCEL BOUNDARY	---	EXISTING WATER BODY HATCH		J-HOOK W/ BOULDER VANE
---	EXISTING INDEX (MAJOR) CONTOUR	---	EXISTING APPROX. WATER BODY CENTERLINE		BOULDER RIFFLE
---	EXISTING INTERMEDIATE (MINOR) CONTOUR	---	EXISTING WETLAND		
---	EXISTING EDGE OF PAVEMENT	---	PROPOSED GAS LINE		
---	EXISTING UNPAVED ROAD	---	PROPOSED INDEX (MAJOR) CONTOURS		
---	EXISTING PAVED ROAD	---	PROPOSED INTERMEDIATE (MINOR) CONTOURS		
---	EXISTING GAS LINE	---	PROPOSED STREAM ALIGNMENT		
---	EXISTING TREE LINE	---	PROPOSED COMPACTED FILL (PROFILE)		
---	EXISTING DRAINAGE CENTER LINE	---	PROPOSED EXCAVATION (PROFILE)		

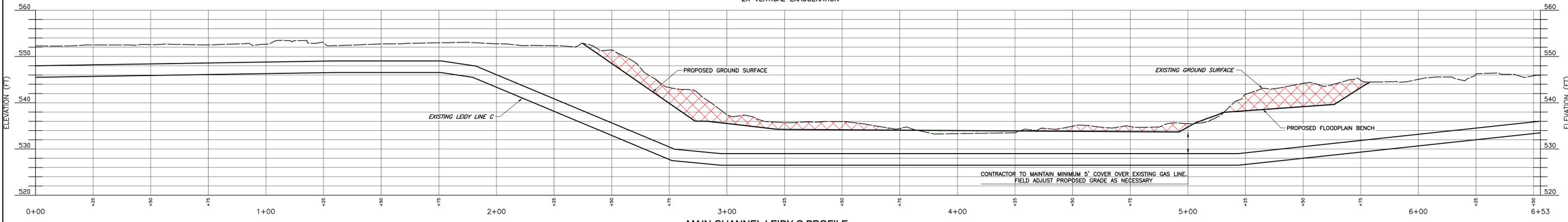
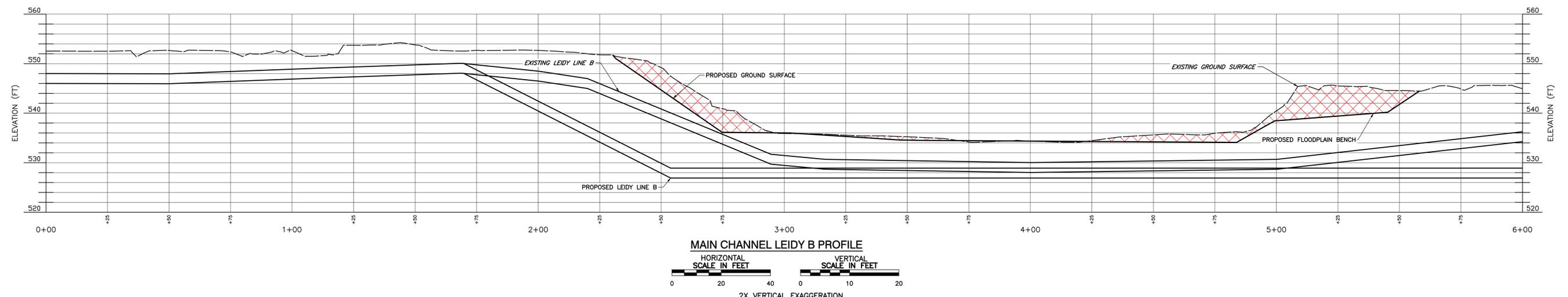
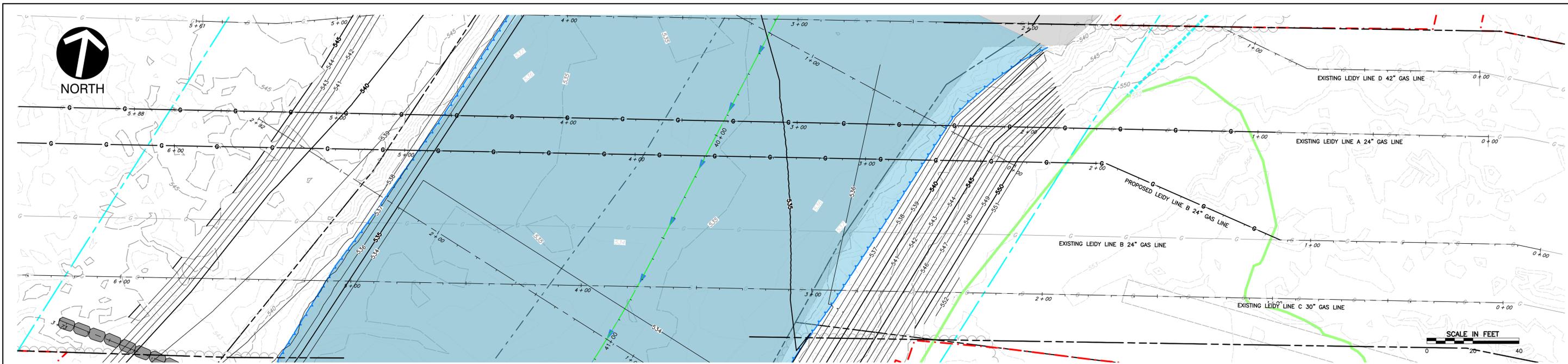
**STREAM STABILIZATION PROFILE NOTE**  
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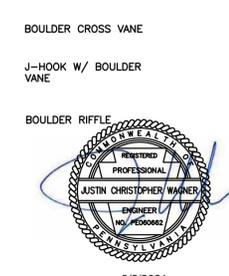
**TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC**  
**LOYALSOCK CREEK PIPELINE REPLACEMENT PROJECT**  
**STREAM STABILIZATION PLANS**  
**LYCOMING COUNTY, PENNSYLVANIA**

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APPROVED BY: JCW	DATE: 2/26/2021	DRAWING NUMBER: PROP MAIN CHANNEL LINES D & A PROFILES	SHEET 14 OF 26



**LEGEND**

---	EXISTING MUNICIPAL PROPERTY BOUNDARY	---	EXISTING APPROXIMATE WATER BODY EDGE
---	EXISTING PROPERTY PARCEL BOUNDARY	---	EXISTING WATER BODY HATCH
---	EXISTING INDEX (MAJOR) CONTOUR	---	EXISTING APPROX. WATER BODY CENTERLINE
---	EXISTING INTERMEDIATE (MINOR) CONTOUR	---	EXISTING WETLAND
---	EXISTING EDGE OF PAVEMENT	---	PROPOSED GAS LINE
---	EXISTING UNPAVED ROAD	---	PROPOSED INDEX (MAJOR) CONTOURS
---	EXISTING PAVED ROAD	---	PROPOSED INTERMEDIATE (MINOR) CONTOURS
---	EXISTING GAS LINE	---	PROPOSED STREAM ALIGNMENT
---	EXISTING TREE LINE	---	PROPOSED COMPACTED FILL (PROFILE)
---	EXISTING DRAINAGE CENTER LINE	---	PROPOSED EXCAVATION (PROFILE)



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**REVISIONS**

NO.	DATE	DESCRIPTION
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**STREAM STABILIZATION PROFILE NOTE**  
 ALL PROFILES SHOWN FACING DOWNSTREAM

**TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC**  
**LOYALSOCK CREEK PIPELINE REPLACEMENT PROJECT**  
**STREAM STABILIZATION PLANS**  
**LYCOMING COUNTY, PENNSYLVANIA**

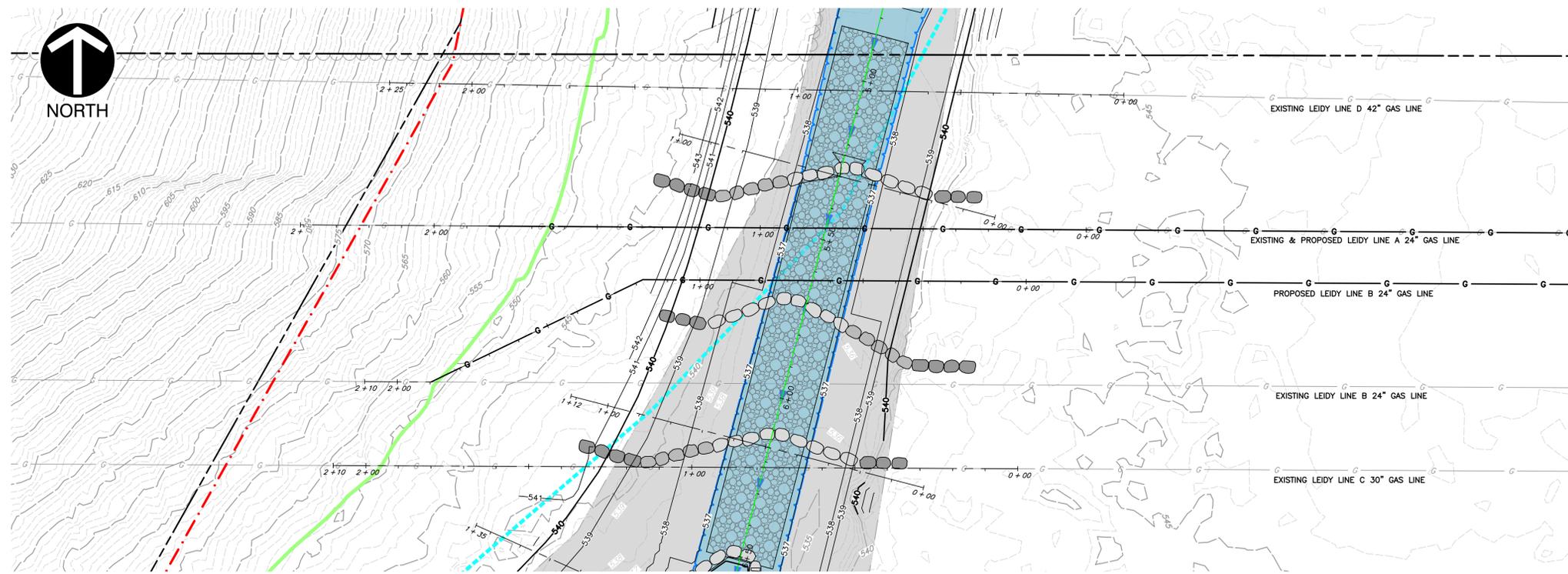
Williams  
 WE MAKE CLEAN ENERGY HAPPY

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CHECKED BY: MDG	DATE: 2/25/2021	ISSUED FOR CONSTRUCTION: DRAFT	REVISION: 1
APPROVED BY: JCW	DATE: 2/26/2021	DRAWING NUMBER: PROP MAIN CHANNEL	SHEET 15 OF 26
WO: WOC1219290	RID: N/A	LINES B & C PROFILES	



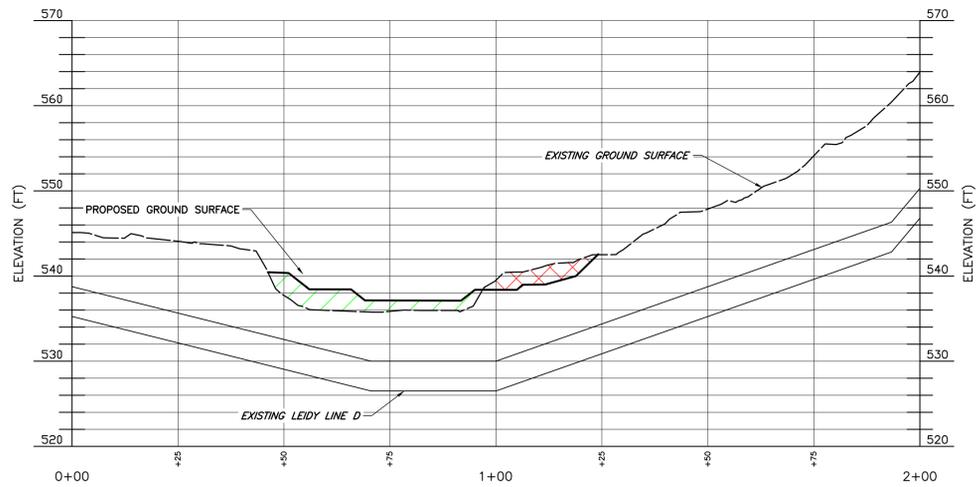




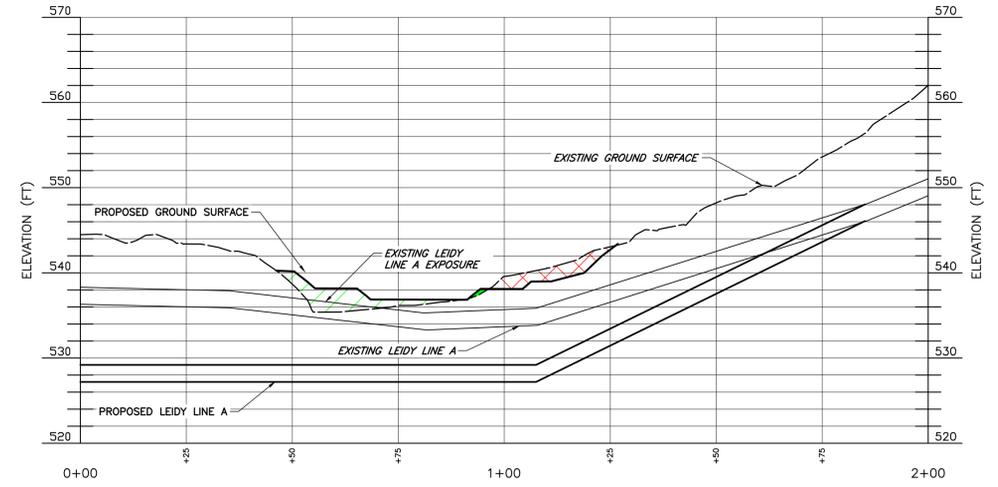


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PLAN  
SCALE IN FEET  
0 20 40



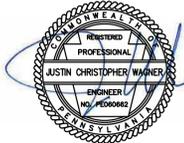
SIDE CHANNEL LEIDY D PROFILE  
HORIZONTAL SCALE IN FEET  
VERTICAL SCALE IN FEET  
2X VERTICAL EXAGGERATION



SIDE CHANNEL LEIDY A PROFILE  
HORIZONTAL SCALE IN FEET  
VERTICAL SCALE IN FEET  
2X VERTICAL EXAGGERATION

STREAM STABILIZATION PROFILE NOTE  
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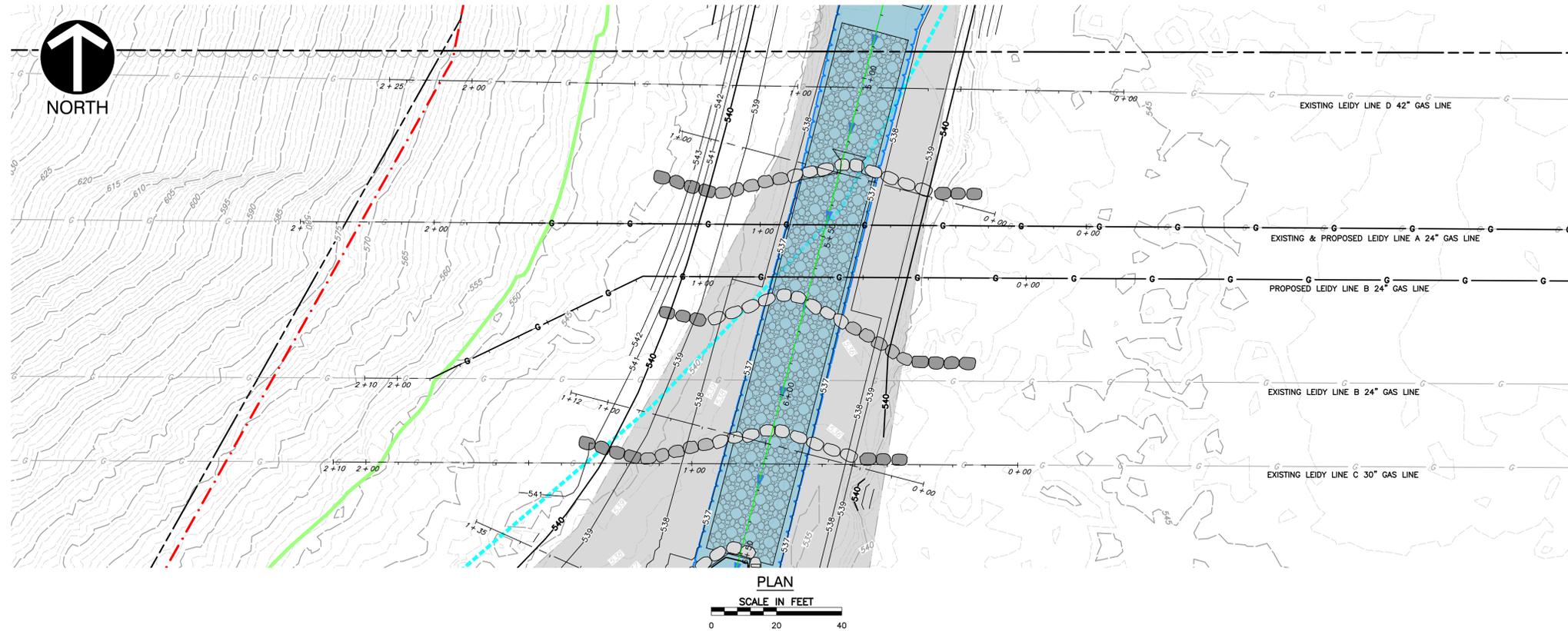
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LOYALSOCK CREEK PIPELINE REPLACEMENT PROJECT  
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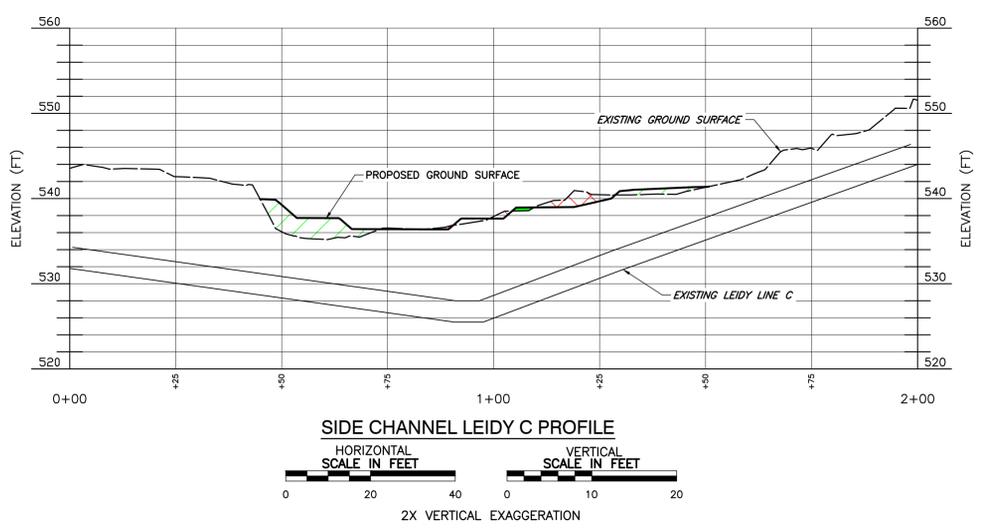
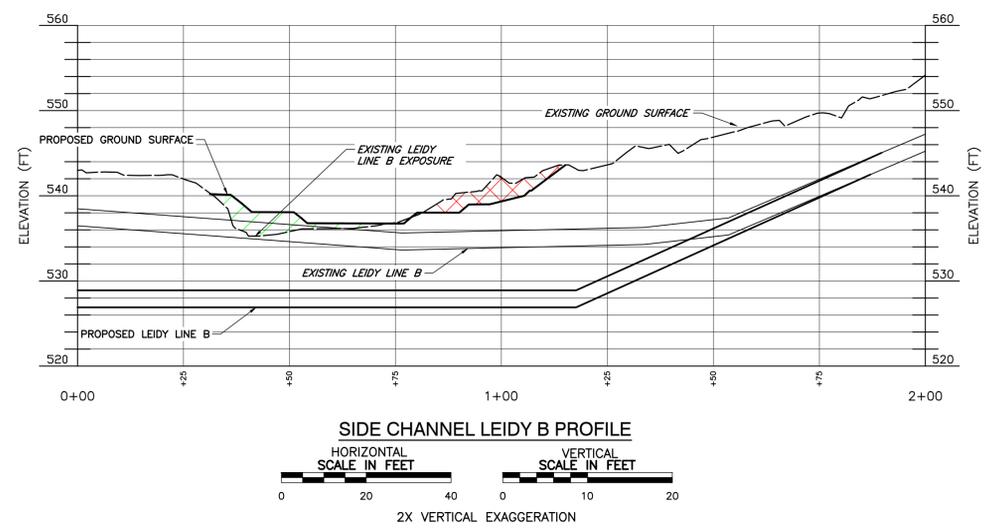
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WO: WOC1219290	RD: N/A		



**LEGEND**

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ALL PROFILES SHOWN FACING DOWNSTREAM

**LEGEND**

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	EXISTING INTERMEDIATE (MINOR) CONTOUR		EXISTING WATER BODY HATCH		PROPOSED GAS LINE
	EXISTING EDGE OF PAVEMENT		EXISTING APPROX. WATER BODY CENTERLINE		PROPOSED INDEX (MAJOR) CONTOURS
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	EXISTING PAVED ROAD		EXISTING FEMA FLOODWAY		
	EXISTING GAS LINE		EXISTING FEMA FLOODPLAIN		
			PROPOSED LIMITS OF DISTURBANCE		

- REFERENCE**
- EXISTING TOPOGRAPHIC INFORMATION TAKEN FROM A COMBINATION OF GEOMORPHIC AND TOPOGRAPHIC SURVEY TECHNIQUES COLLECTED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC AND PROVIDED BY WILLIAMS AND STATE LIDAR FROM PENNSYLVANIA IMAGERY NAVIGATOR.
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REFERENCE DRAWINGS				REVISIONS			
DRAWING NO.	TITLE	NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK. APP.
		0	12/18/2020	C/JG	ISSUED FOR 60% PLAN REVIEW	1219290	MDG/MDG
		1	2/22/2021	C/JG	ISSUED FOR 90% DESIGN REVIEW	1219290	MDG/MDG
		2	3/11/2021	C/JG	ISSUED FOR PERMIT	1219290	MDG/MDG

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
LOYALSOCK CREEK PIPELINE REPLACEMENT PROJECT  
STREAM STABILIZATION PLANS  
LYCOMING COUNTY, PENNSYLVANIA

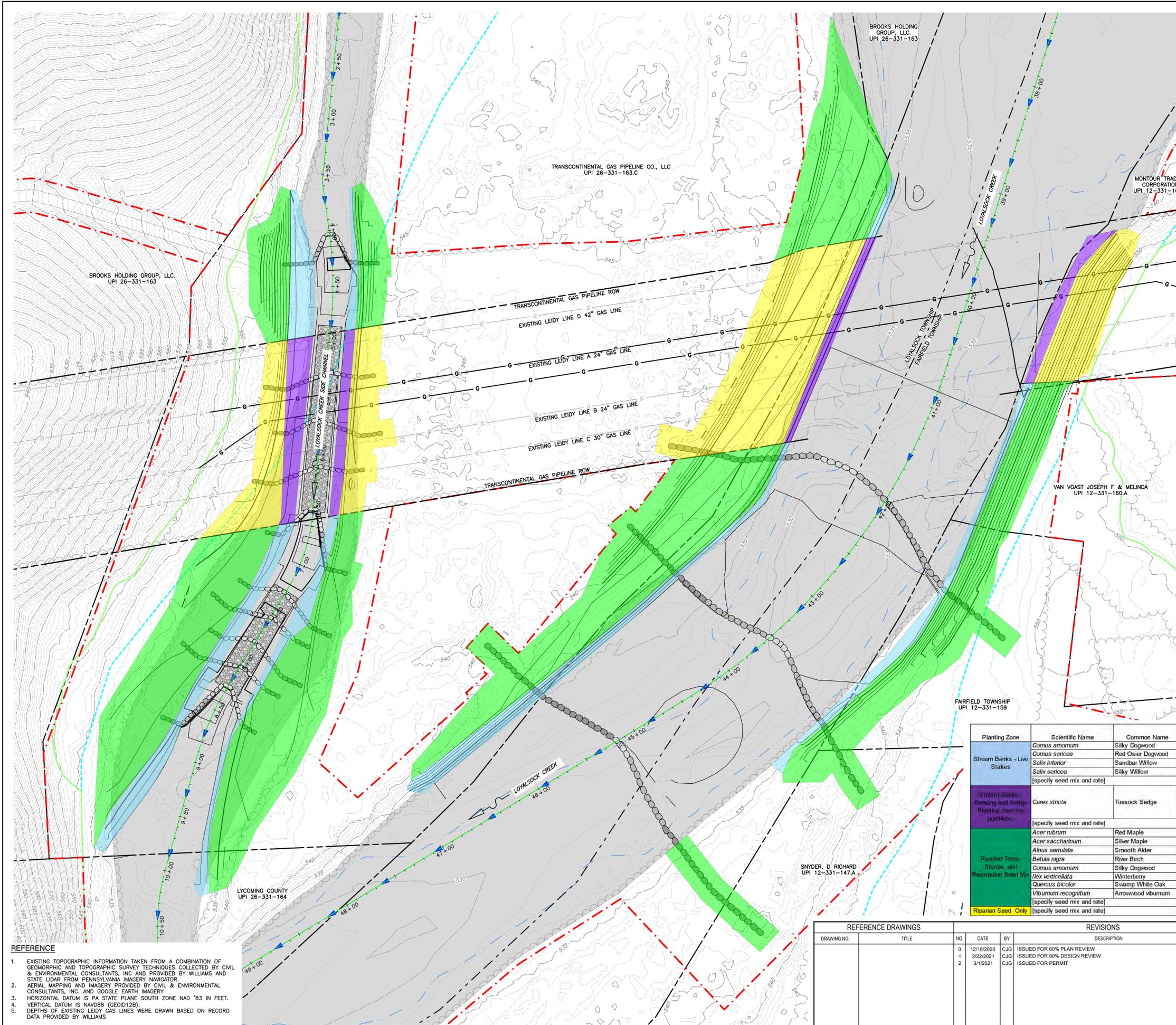
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3/2/2021

DRAWN BY: CCP	DATE: 12/11/2020	ISSUED FOR BID: DRAFT	SCALE: AS NOTED
CHECKED BY: MDG	DATE: 2/25/2021	ISSUED FOR CONSTRUCTION: DRAFT	REVISION: 1
APPROVED BY: JCW	DATE: 2/26/2021	DRAWING NUMBER: PROP SIDE CHANNEL	SHEET 20 OF 26
WO: WOC1219290	RID: N/A	LINES B & C PROFILES	





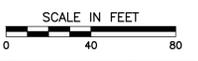


**LEGEND**

- EXISTING MUNICIPAL PROPERTY BOUNDARY
- EXISTING PROPERTY PARCEL BOUNDARY
- EXISTING RIGHT-OF-WAY
- EXISTING INDEX (MAJOR) CONTOUR
- EXISTING INTERMEDIATE (MINOR) CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING UNPAVED ROAD
- EXISTING PAVED ROAD
- EXISTING GAS LINE
- EXISTING TREE LINE
- EXISTING DRAINAGE CENTER LINE
- EXISTING APPROXIMATE WATER BODY EDGE
- EXISTING WATER BODY HATCH
- EXISTING WETLAND
- EXISTING FEMA FLOOD PLAN
- PROPOSED GAS LINE
- 385 PROPOSED INDEX (MAJOR) CONTOURS
- PROPOSED INTERMEDIATE (MINOR) CONTOURS
- PROPOSED STREAM ALIGNMENT



3/2/2021



**SEEDING NOTES:**

- FOR SEEDING OF ALL DISTURBED AREAS OUTSIDE OF STREAM CHANNEL AND STREAM BANKS SHALL REFER TO THE EROSION & SEDIMENT CONTROL PLAN
- ALL DISTURBED STREAM BANK AREAS SHALL BE SEEDED PER THE PLANTING PLAN BELOW:

**PLANTING PLAN:**

Planting Zone	Scientific Name	Common Name	Type	Min. Height or Length (in)	Min. Basal Diameter (in)	Percentage	Planting Density	Planting Units (ft. ac)	Quantity		
Stream Banks - Live Stakes	<i>Cornus amomum</i>	Silky Dogwood	live stake	24	0.75	25%	3 per ft of stream (3 rows per side, 2 ft o.c. spacing)	1,063	798		
	<i>Cornus sericea</i>	Red Osier Dogwood	live stake	24	0.75	25%			798		
	<i>Salix interior</i>	Sandbar Willow	live stake	24	0.75	25%			798		
	<i>Salix sericea</i>	Silky Willow	live stake	24	0.75	25%			798		
	[specify seed mix and rate]		seed (lbs)	NA	NA	100%	25	per acre	0.39	ac	10
Stream Banks - Seeding and Staking Planting (over the ripelines)	<i>Carex stricta</i>	Tussock Sedge	2-in plug	NA	NA	100%	6	per ft of stream (3 rows per side, 1 ft o.c. spacing)	358	ft	2,148
	[specify seed mix and rate]		seed (lbs)	NA	NA	100%	25	per acre	0.17	ac	4
Riparian Trees - Shrub and Restoration Seed Mix	<i>Acer rubrum</i>	Red Maple	3 gallon	48	0.5	20%	600	per acre	240		
	<i>Acer saccharinum</i>	Silver Maple	3 gallon	48	0.5	20%			240		
	<i>Alnus serrulata</i>	Smooth Alder	1 gallon	36	0.5	15%			180		
	<i>Betula nigra</i>	River Birch	3 gallon	48	0.5	20%			240		
	<i>Cornus amomum</i>	Silky Dogwood	1 gallon	36	0.5	5%			60		
	<i>Ilex verticillata</i>	Winterberry	1 gallon	36	0.5	5%			60		
	<i>Quercus bicolor</i>	Swamp White Oak	3 gallon	48	0.5	10%			120		
	<i>Viburnum recognatum</i>	Arrowwood viburnum	1 gallon	36	0.5	5%			60		
	[specify seed mix and rate]		seed (lbs)	NA	NA	100%	25	per acre		ac	50
Riparian Seed Only	[specify seed mix and rate]		seed (lbs)	NA	NA	100%	25	per acre	0.68	ac	17

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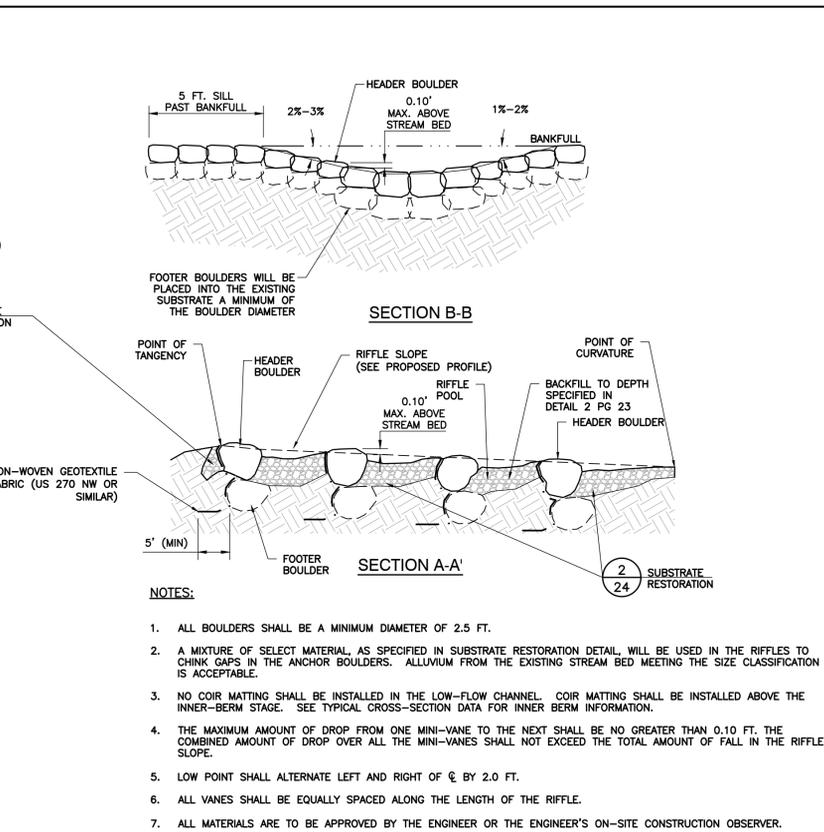
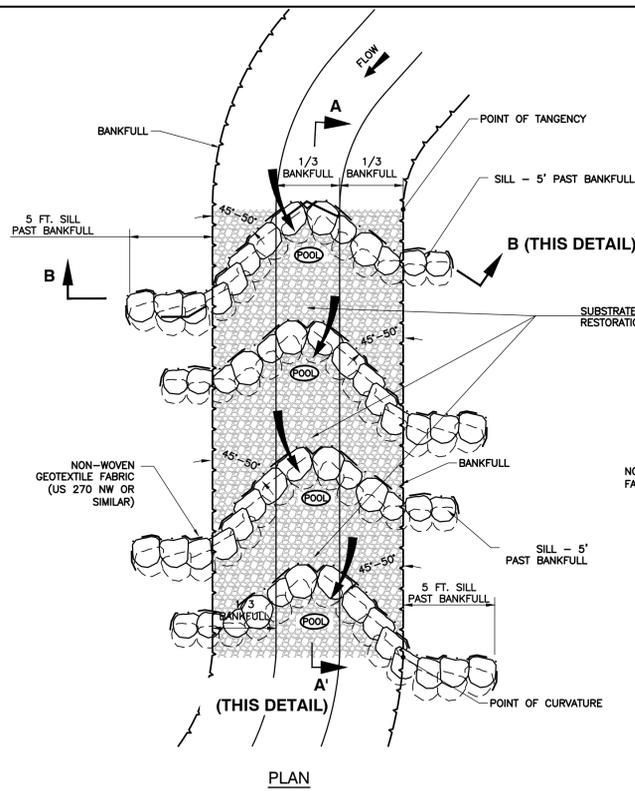
REFERENCE DRAWINGS				REVISIONS			
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0		1	12/18/2020	C/JG	ISSUED FOR 80% PLAN REVIEW	1219290	MDG/MDG
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2			3/1/2021	C/JG	ISSUED FOR PERMIT	1219290	MDG/MDG

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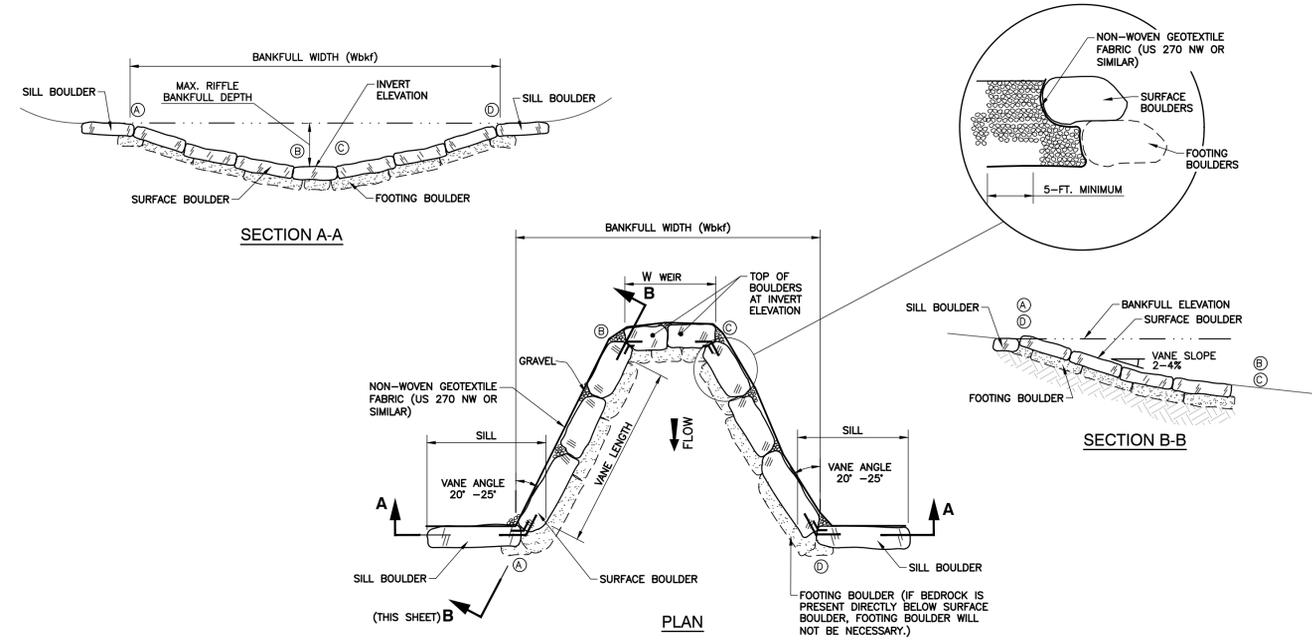
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CHECKED BY: MDG	DATE: 2/25/2021	ISSUED FOR CONSTRUCTION: DRAFT	REVISION: 1
APPROVED BY: JCW	DATE: 2/26/2021	DRAWING NUMBER: PLANTING & RESTORATION PLAN	SHEET 23 OF 26





4 SIDE CHANNEL BOULDER RIFFLE  
25 NOT TO SCALE



- INSTALLATION NOTES:**
- A HYDRAULIC EXCAVATOR, WITH A HYDRAULIC THUMB, SHALL BE USED TO PLACE BOULDERS AND LOGS.
  - FOOTING BOULDERS ARE BOULDERS PLACED TO PROVIDE A FOUNDATION FOR THE SURFACE BOULDERS IN EACH BOULDER CROSS VANE. FOOTING BOULDERS SHALL BE DURABLE LIMESTONE OR DOLOMITE SANDSTONE. TYPICALLY, FOOTING BOULDERS ARE BURIED IN THE CHANNEL BOTTOM AND NOT SEEN WHEN THE STRUCTURE IS COMPLETED. ALL SURFACE BOULDERS FOR ALL STRUCTURES REQUIRE FOOTING BOULDERS UNLESS BEDROCK IS PRESENT DIRECTLY BELOW THE SURFACE BOULDER, THEN THE FOOTING BOULDER MAY BE OMITTED.
  - SURFACE BOULDERS ARE THE TOP MOST COURSE OF BOULDERS USED IN EACH BOULDER CROSS VANE. ALL SURFACE BOULDERS CAN BE SEEN PROTRUDING FROM THE WATER SURFACE DURING EXTREMELY LOW FLOWS. SURFACE BOULDERS SHALL BE DURABLE LIMESTONE OR DOLOMITE SANDSTONE.
  - THE VANE LENGTH IS THE STRAIGHT LINE PORTION OF CROSS VANE STRUCTURES MEASURED FROM THE STREAM BANK AT BANKFULL ELEVATION TO THE CHANNEL BED.
  - THE VANE ANGLE IS THE SMALLEST ANGLE MEASURED BETWEEN A VANE AND A LINE TANGENT TO BANKFULL ELEVATION AT THE POINT WHERE THE VANE INTERSECTS THE BANK.
  - CONSTRUCT BOULDER CROSS VANE STRUCTURES BY FIRST SHAPING THE BANK TO THE GRADES SPECIFIED. NEXT EXCAVATE ENOUGH BED MATERIAL TO PLACE THE BOULDERS, NON-WOVEN GEOTEXTILE FABRIC (US 270 NW OR SIMILAR) AND GRAVEL OVERLAY. PLACE FOOTING BOULDERS AND SURFACE BOULDERS AT THE CHANNEL INVERT AND THEN CHECK THE ELEVATIONS OF THE INVERTS IN ACCORDANCE WITH THE PLANS. ONCE THE INVERTS HAVE BEEN ESTABLISHED, THE REMAINDER OF THE FOOTING AND SURFACE BOULDERS SHALL BE PLACED, MINIMIZING VOIDS. PLACE NON-WOVEN GEOTEXTILE FABRIC AT THE UPSTREAM FACE OF THE STRUCTURE AS SHOWN AND BACKFILL (OVERLAY) WITH SELECT MATERIAL AS DESCRIBED IN DETAIL. FILL THE VOIDS ON THE UPSTREAM SIDE OF SURFACE BOULDERS WITH SELECT MATERIAL AS DESCRIBED IN DETAIL. DO NOT LEAVE EXPOSED NON-WOVEN GEOTEXTILE FABRIC AND TRIM ANY EXPOSED NON-WOVEN GEOTEXTILE FABRIC. ONCE THE STRUCTURE IS INSTALLED, EXCAVATE SCOUR POOL AND PLACE SELECT MATERIAL AS REQUIRED. RE-DRESSING OF CHANNEL AND BANKFULL BENCH/FLOODPLAIN WILL LIKELY BE REQUIRED FOLLOWING INSTALLATION OF IN-STREAM STRUCTURES AND SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
  - THE SURFACE OF CROSS VANES SHALL BE FINISHED TO A SMOOTH AND COMPACT SURFACE IN ACCORDANCE WITH THE LINES, GRADES AND CROSS-SECTIONS OR ELEVATIONS SHOWN ON THE PLANS. THE DEGREE OF FINISH FOR INVERT ELEVATIONS SHALL BE WITHIN 0.10 FEET OF THE GRADES AND ELEVATIONS INDICATED. ALL GAPS OR VOIDS SHALL BE PLUGGED WITH SELECT MATERIAL AS DESCRIBED IN DETAIL TO FORM A TIGHT-FITTING SEAL.
  - ALL MATERIALS ARE TO BE APPROVED BY ENGINEER OR ENGINEER'S ON-SITE CONSTRUCTION OBSERVER.

5 SIDE CHANNEL CROSS VANE  
25 NOT TO SCALE



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LYCOMING COUNTY, PENNSYLVANIA											
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CHECKED BY:	MDG	DATE:	2/25/2021	ISSUED FOR CONSTRUCTION:	DRAFT	REVISION:	1				
APPROVED BY:	JCW	DATE:	2/26/2021	DRAWING NUMBER:	IN-STREAM STRUCTURE DETAILS		SHEET		25		
WO:	WOC1219290	RD:	N/A							OF 26	

