

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
 POST CONSTRUCTION STORMWATER MANAGEMENT PLAN

**HILDEBRANDT TIE-IN/ MLV-515RA40 AND
 LOWER DEMUNDS REL TIE-IN SITE PLAN**

DALLAS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

APRIL 2021
 REVISED MARCH 2022

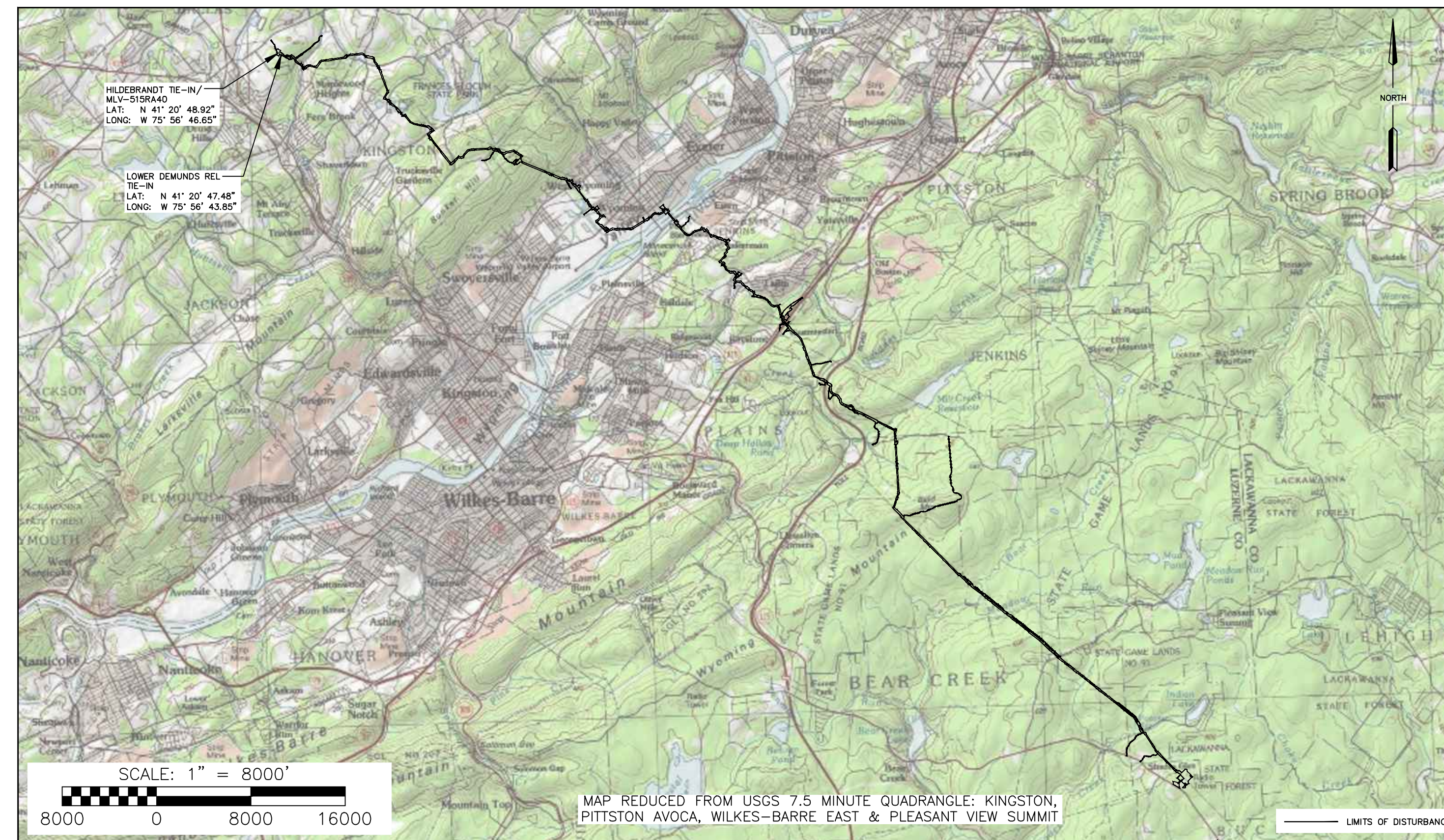
PROJECT OWNER/APPLICANT

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
 PARK PLACE CORPORATE CENTER TWO,
 2800 POST OAK BLVD, LEVEL 11
 HOUSTON, TX 77056
 CONTACT: JOSEPH DEAN, MANAGER PERMITTING

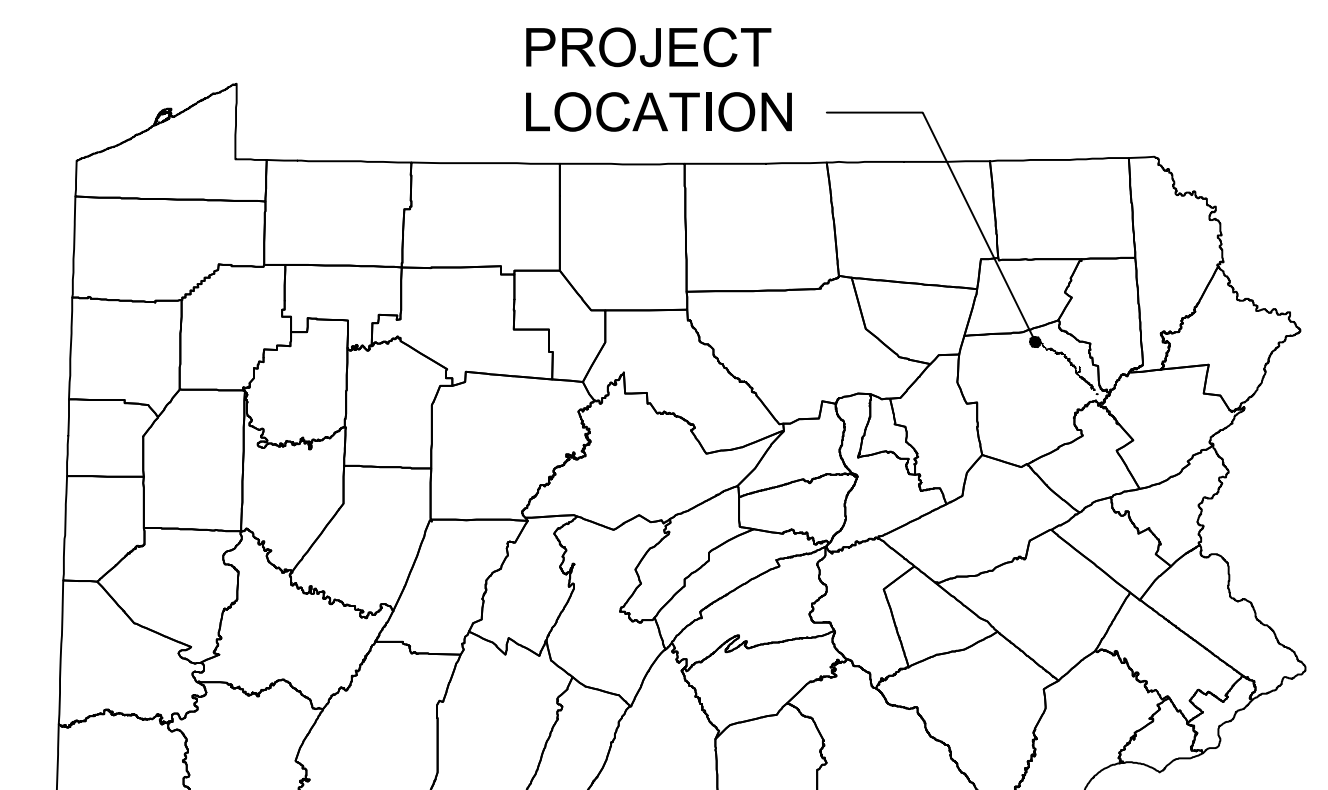
PLAN PREPARER / ENGINEER

WHM CONSULTING, LLC
 366 WALKER DRIVE SUITE 300
 STATE COLLEGE, PA 16801
 PH: (814) 689-1650
 CONTACT: RYAN NELSON, PROJECT MANAGER

BAI GROUP, LLC.
 366 WALKER DRIVE SUITE 300
 STATE COLLEGE, PA 16801
 PH: (814) 238-2060
 CONTACT: PATRICK WOZINSKI, P.E. PROJECT
 ENGINEER



LOCATION MAP



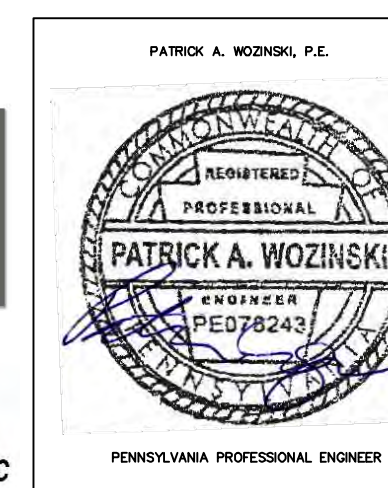
VICINITY MAP
 N.T.S.

SHEET INDEX	
SHEET NUMBER	DRAWING TITLE
1 OF 5	COVER SHEET
2 OF 5	EXISTING CONDITIONS PLAN
3 OF 5	PROPOSED CONDITIONS PLAN
4 OF 5	NOTES
5 OF 5	DETAILS

RECEIVING WATERS				
NAME	DESIGNATED USE	EXISTING USE	PFBC CLASSIFICATION	STREAM RESTRICTIONS
TROUT BROOK, TRIBUTARY 63042 TO TOBY CREEK	CWF	N/A	NATURALLY REPRODUCING TROUT	N/A

Call before you dig.
 1-800-242-1776 or **811**

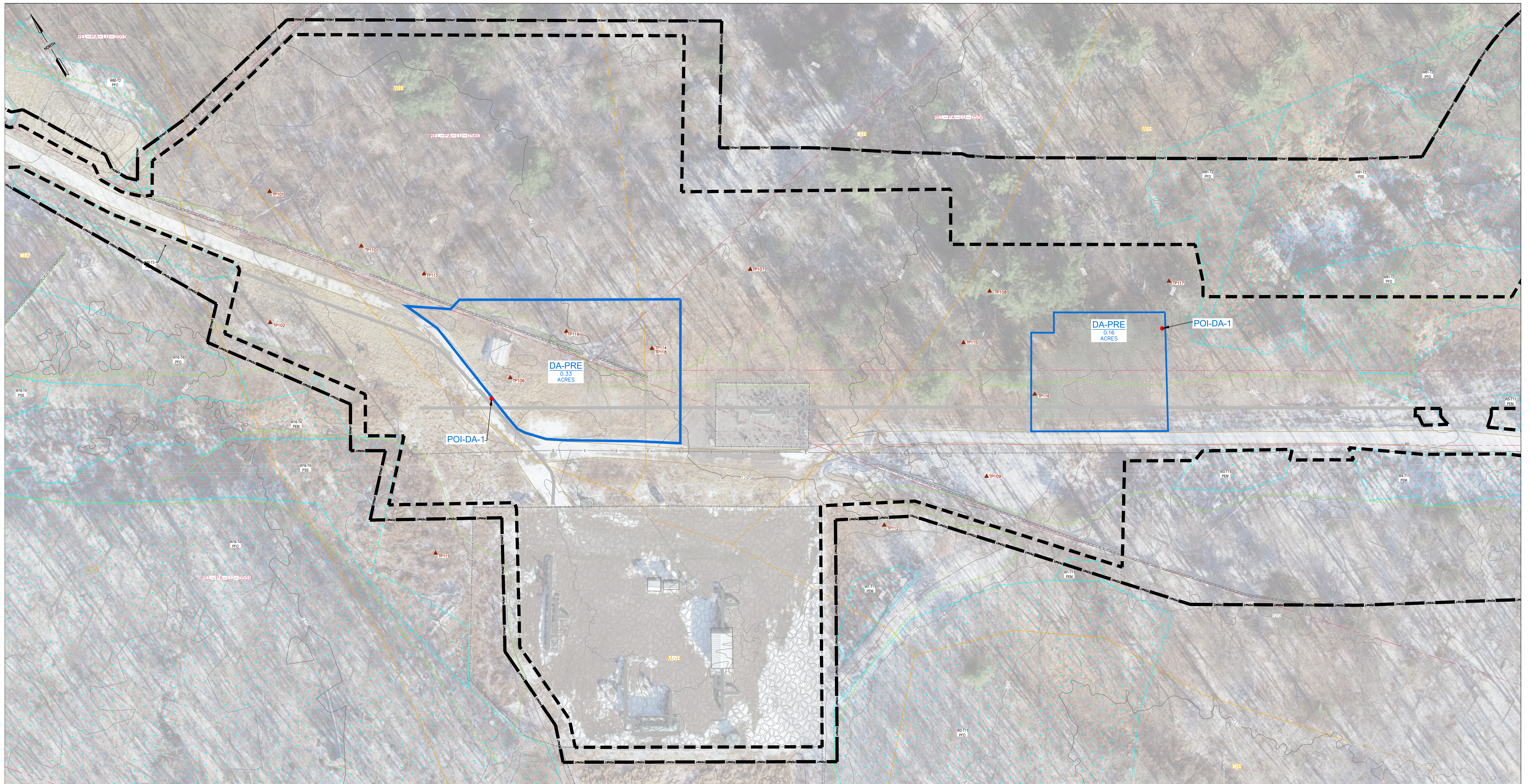
PENNSYLVANIA ACT 287 (1974) AS AMENDED BY PENNSYLVANIA LESS THAN THREE (3) WORKING DAYS AND NO MORE THAN (10) WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH.



REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.
1	06/29/21	RHM	REVISED PER PADEP COMMENTS.			
2	03/01/22	RHM	RESPONSE TO PADEP TECHNICAL DEFICIENCY LETTER			

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 POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
COVER SHEET
 DALLAS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

DRAWN BY: RHM	DATE: 03/31/21	ISSUED FOR BID:	SCALE: AS NOTED
CHECKED BY: RJN	DATE: 03/31/21	ISSUED FOR CONSTRUCTION:	REVISION:
APPROVED BY: PW	DATE: 03/31/21	DRAWING NUMBER: 26-1000-70-28-D	SHEET 1 OF 5
WO: 1232585/1232586	RID: 305		



LEGEND

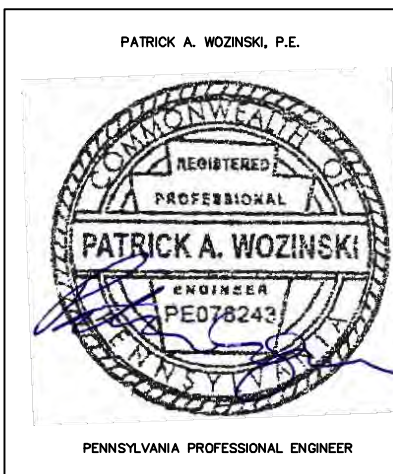
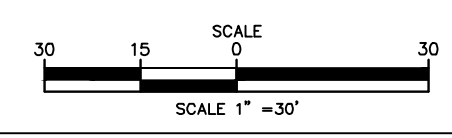
- PROPERTY LINE
- EXISTING RIGHT-OF-WAY
- ESCP PERMIT BOUNDARY
- LIMITS OF DISTURBANCE
- EXISTING FENCE
- EXISTING STONE ROW
- EXISTING STRUCTURE
- EXISTING EDGE OF ROAD
- EXISTING GRADE MAJOR CONTOURS (10' C.I.)
- EXISTING GRADE MINOR CONTOURS (2' C.I.)
- EXISTING WATERBAR AND OUTLET STRUCTURE
- APPROX. ENVIRONMENTAL STUDY LIMITS
- DELINEATED WETLAND
- DELINEATED WATERWAY / STREAM (TOP OF BANK)
- STREAM FLOW DIRECTION
- RIPARIAN BUFFER
- 50'/FEMA FLOODWAY
- FEMA 100-YEAR FLOODPLAIN
- SOIL BOUNDARY / TYPE
- EXISTING TREELINE / TREE/SHRUB
- EXISTING LEIDY / TQPL PIPELINES
- EXISTING FOREIGN PIPELINES
- EXISTING UTILITY POLE / TOWER
- EXISTING VALVE
- EXISTING CULVERT
- EXISTING ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING GAS LINE
- EXISTING WATER LINE
- EXISTING SANITARY LINE
- EXISTING STORM SEWER
- EXISTING TELEPHONE LINE
- EXISTING FIBER OPTIC LINE
- EXISTING UNDERGROUND CABLE LINE
- EXISTING STORM INLET
- EXISTING SANITARY MANHOLE
- EXISTING COMMUNICATION/ELECTRIC MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING POWER POLE
- EXISTING WELL
- PRE-CONSTRUCTION DRAINAGE AREA
- TEST PIT/INFILTRATION TEST LOCATION

SOIL LEGEND

- CIA CHIFFSWA SILT LOAM, 0 TO 3 PERCENT SLOPES
- M08 MORRIS CHANNERY SILT LOAM, 0 TO 8 PERCENT SLOPES
- O1E OPAJGA AND LORSTOWN CHANNERY SILT LOAMS, 3 TO 8 PERCENT SLOPES
- M02 WELLSBORO CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES
- M03 WELLSBORO CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES
- M04 WELLSBORO CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES

EXISTING CONDITION NOTES/SOURCES

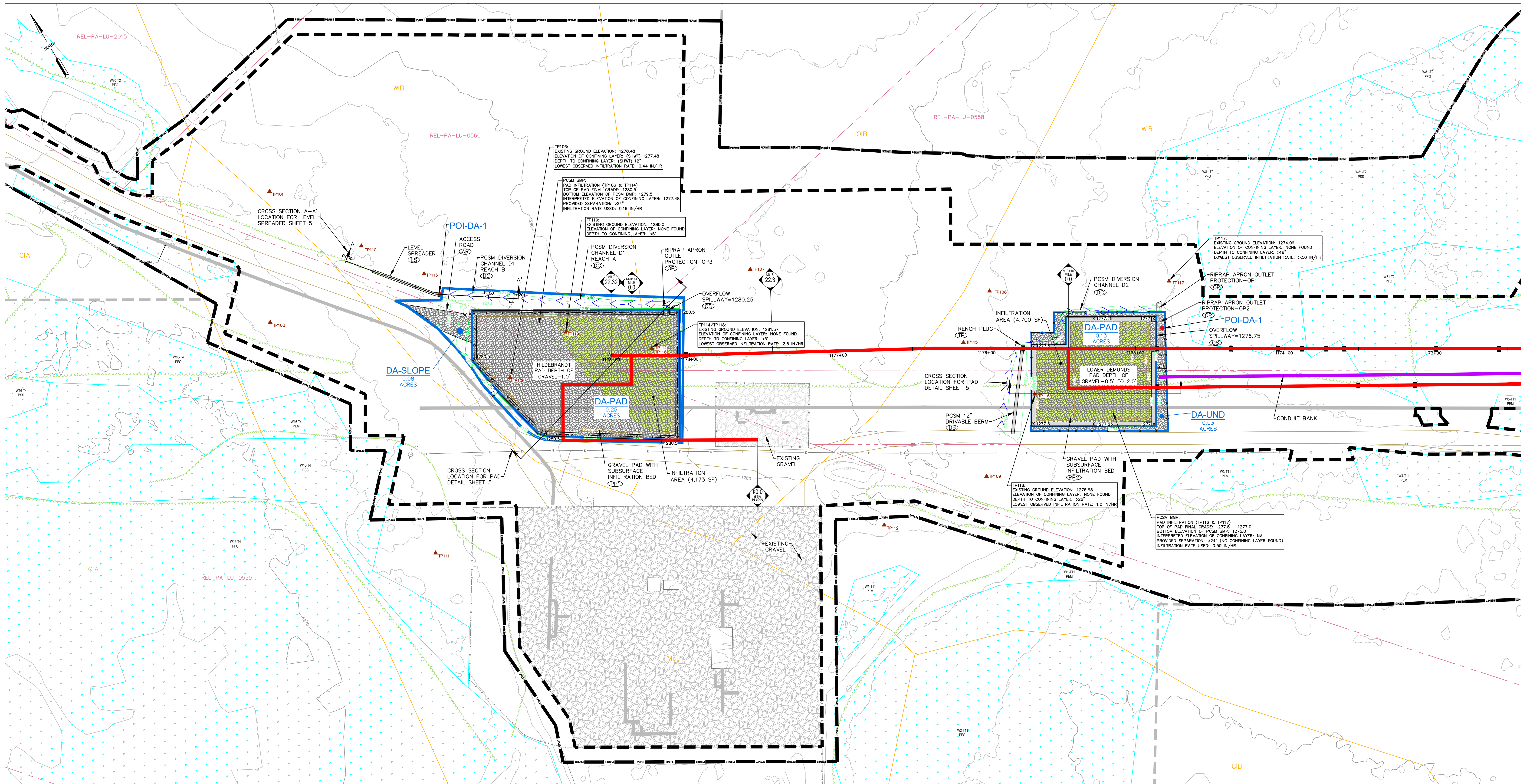
1. EXISTING ROADWAYS, CONTOURS, PROPERTY LINE, TREE LINE, ETC. ARE DERIVED FROM A FIELD SURVEY PERFORMED BY TRANSCO BETWEEN 2010 AND 2020.
2. PROPERTY BOUNDARIES BASED EITHER ON TAX PARCEL INFORMATION PROVIDED BY TRANSCO OR A COMBINATION OF DEED REFERENCE AND FIELD LOCATED EVIDENCE. PROPERTY BOUNDARY LOCATIONS BASED ON TAX PARCEL INFORMATION ARE APPROXIMATE.
3. PIPELINE ALIGNMENTS AND LIMITS OF DISTURBANCE PROVIDED BY TRANSCO.
4. STREAM AND WETLAND BOUNDARIES BASED ON SURVEYS CONDUCTED BY WWM CONSULTING FROM MARCH 2020 TO OCTOBER 2020.
5. DATUM BASED ON PENNSYLVANIA STATE PLANE COORDINATE SYSTEM, NAD 83 NORTH ZONE, NAVD83 ELEVATION MSL, SURVEYED FROM GPS OBSERVATION.



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EXISTING CONDITIONS PLAN
 DALLAS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

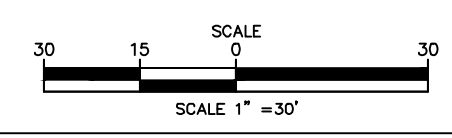
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WO: 1232585/1232586	RID: 305		



LEGEND	
	PROPERTY LINE
	EXISTING RIGHT-OF-WAY
	ESDP PERMIT BOUNDARY
	LIMITS OF DISTURBANCE
	EXISTING FENCE
	EXISTING STONE ROW
	EXISTING STRUCTURE
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	EXISTING COMMUNICATION/ELECTRIC MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING POWER POLE
	EXISTING WELL
	PROPOSED CONSTRUCTION FENCE
	PROPOSED PIPELINE
	PROPOSED PIPELINE GROUNDBED
	GEHAZARD ALONG PIPELINE
	PROPOSED WATERBAR AND OUTLET STRUCTURE
	PROPOSED CHANNEL AND DIVERSION CHANNEL
	PROPOSED FENCE
	PROPOSED GRAVEL
	PROPOSED GRADE MAJOR CONTOURS (10' C.I.)
	PROPOSED GRADE MINOR CONTOURS (2' C.I.)
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	PROPOSED INFILTRATION AREA
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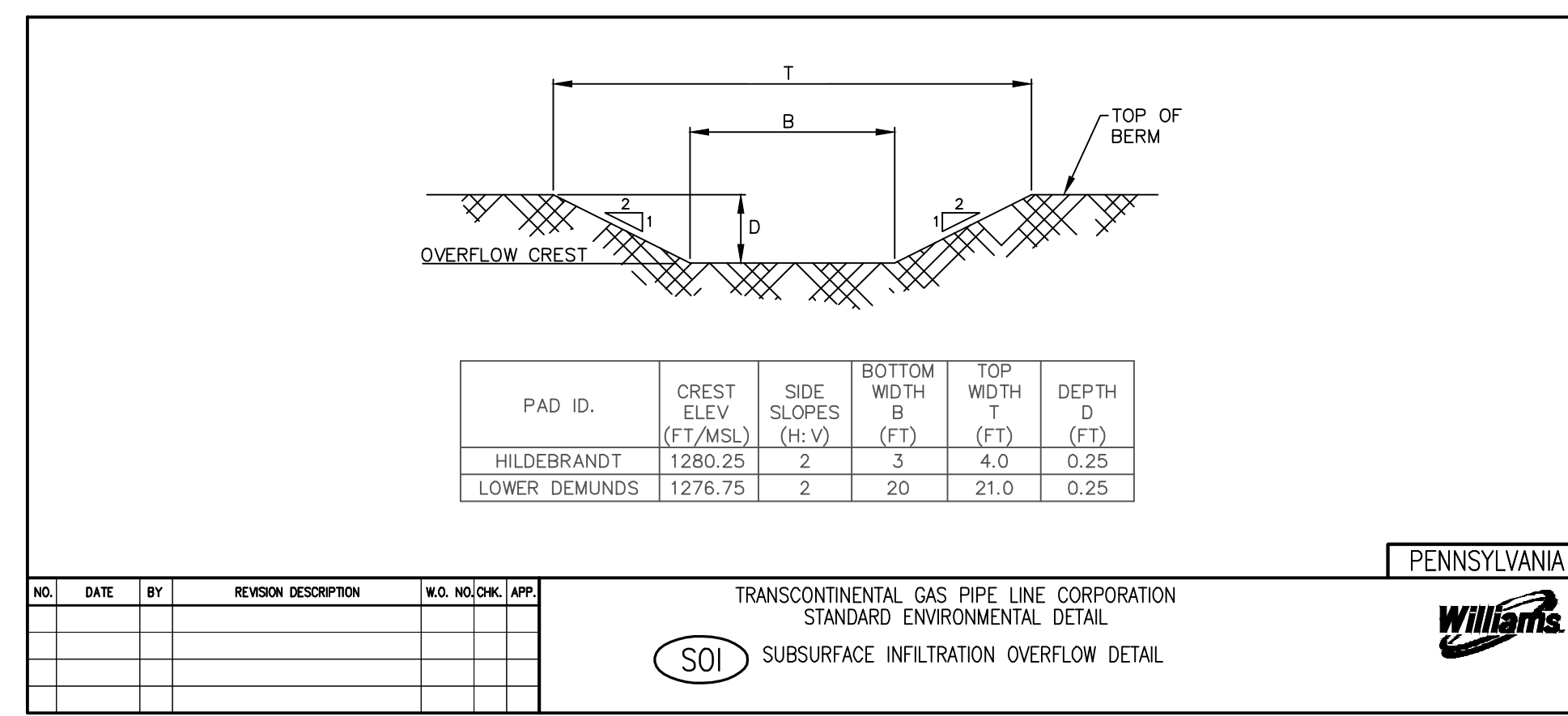
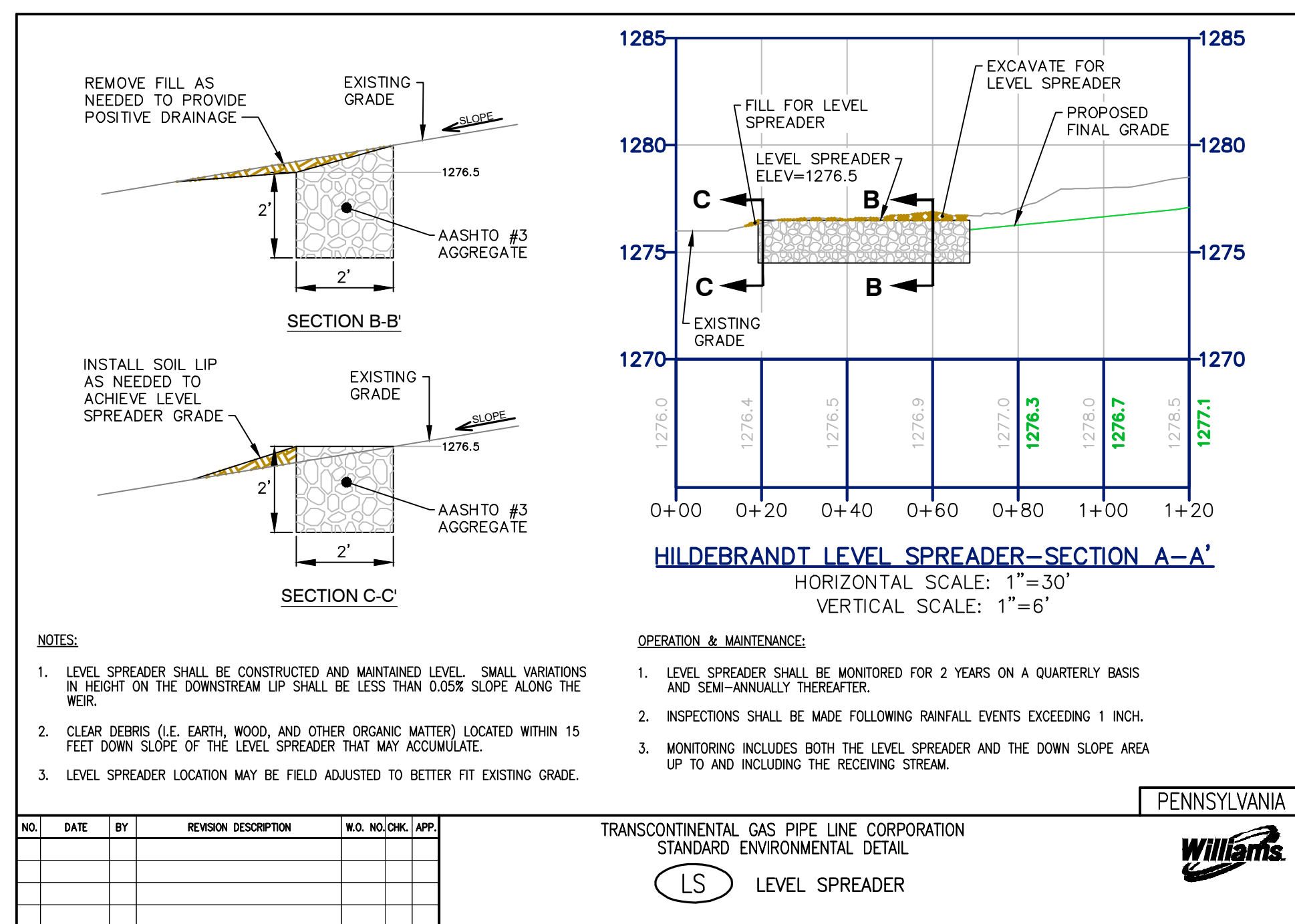
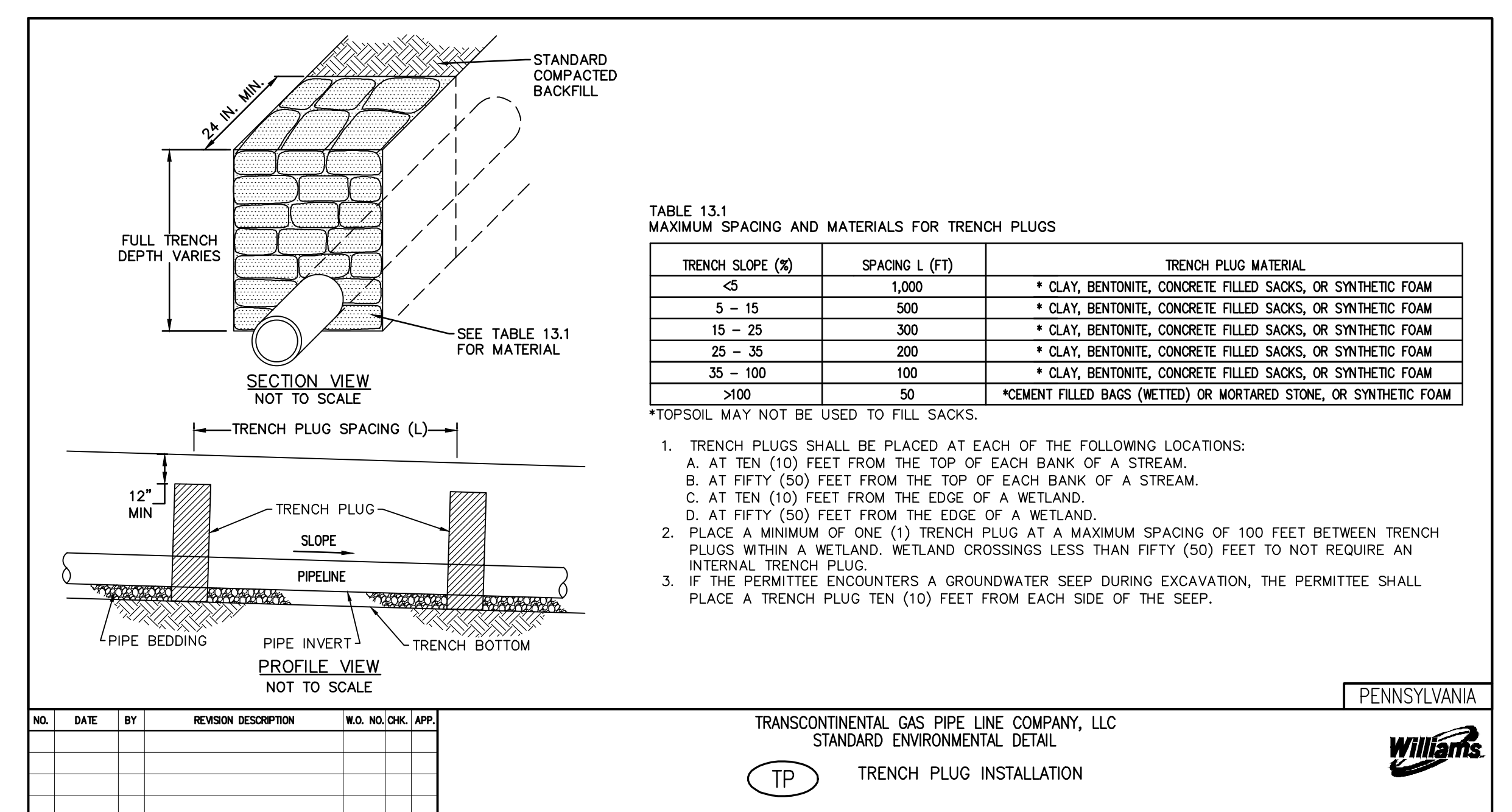
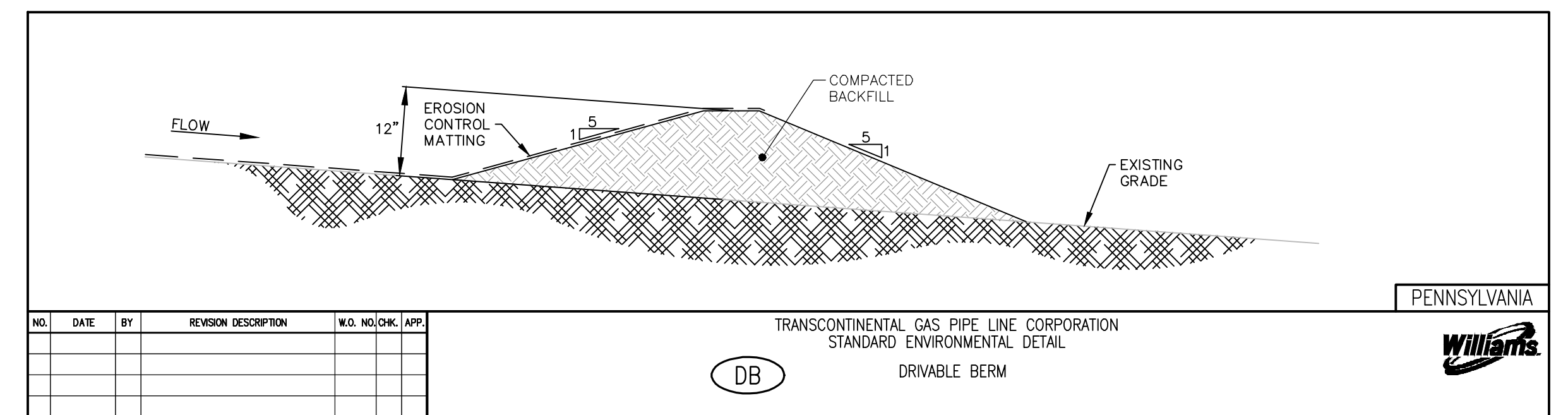
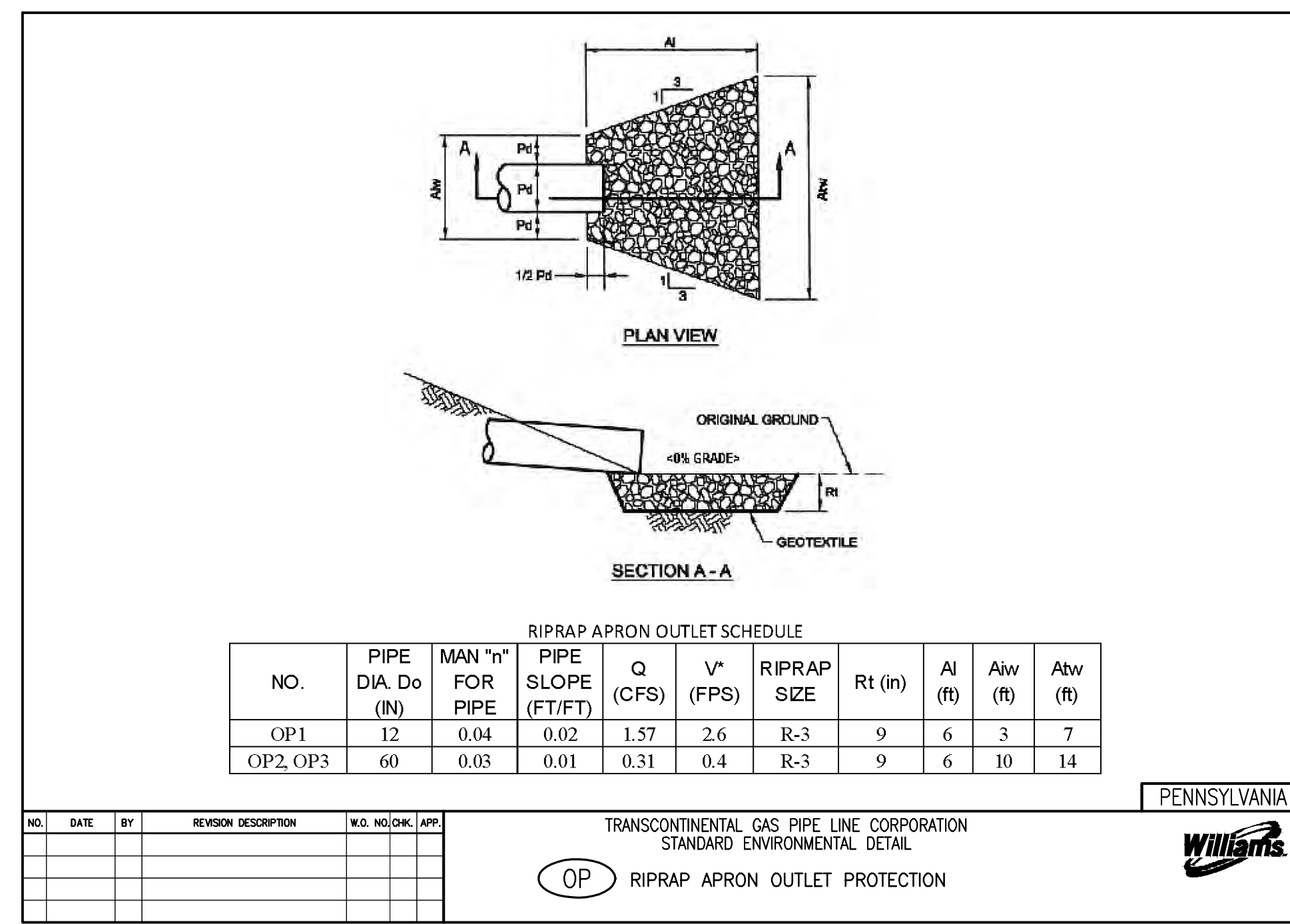
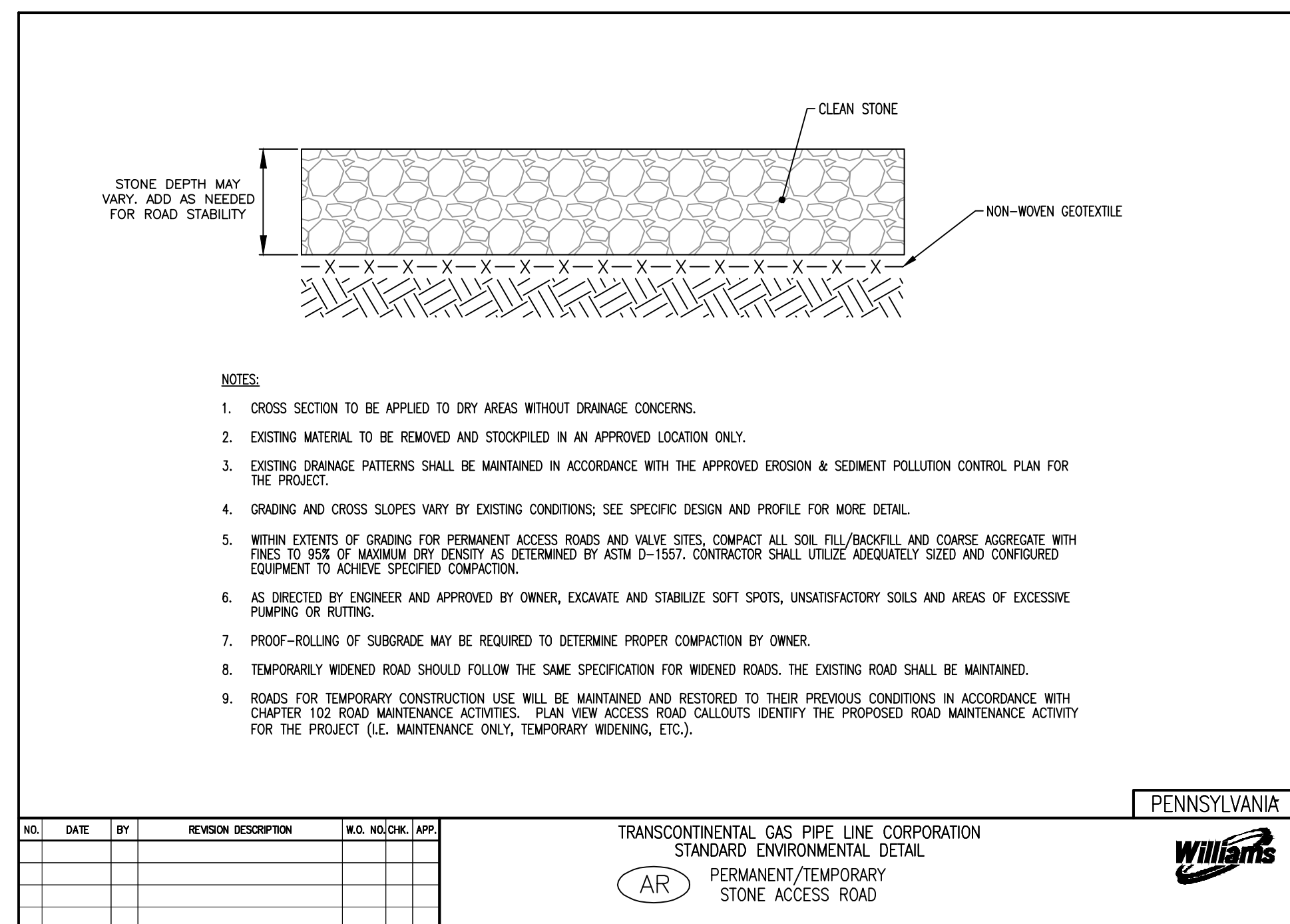
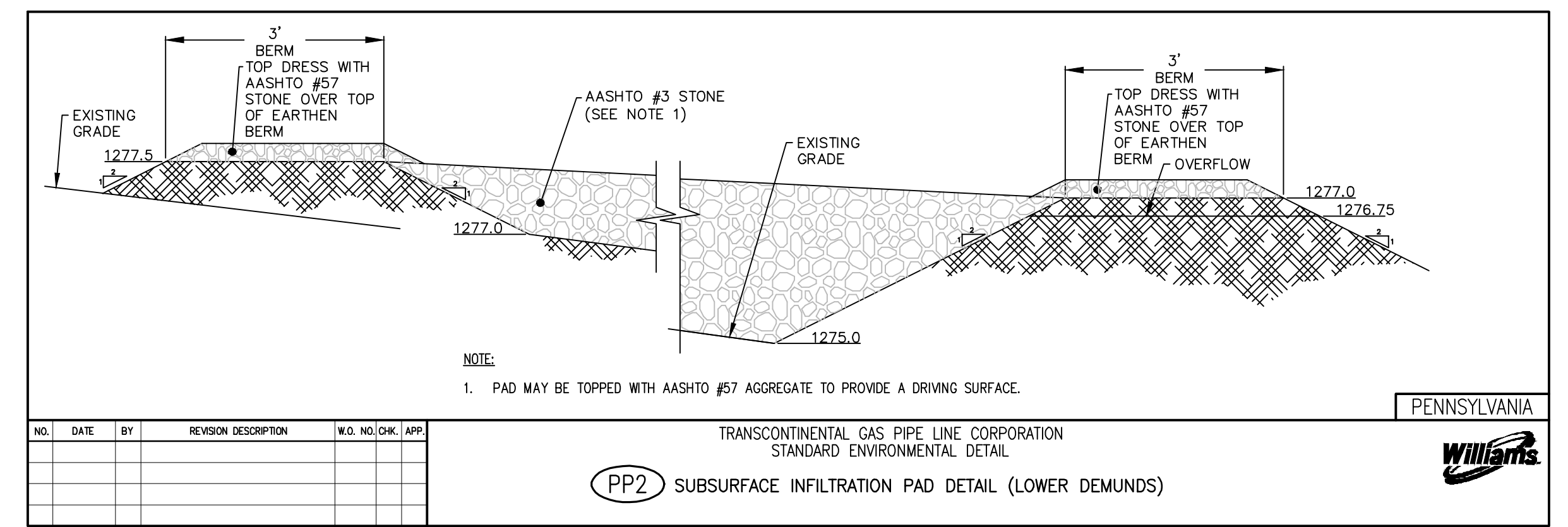
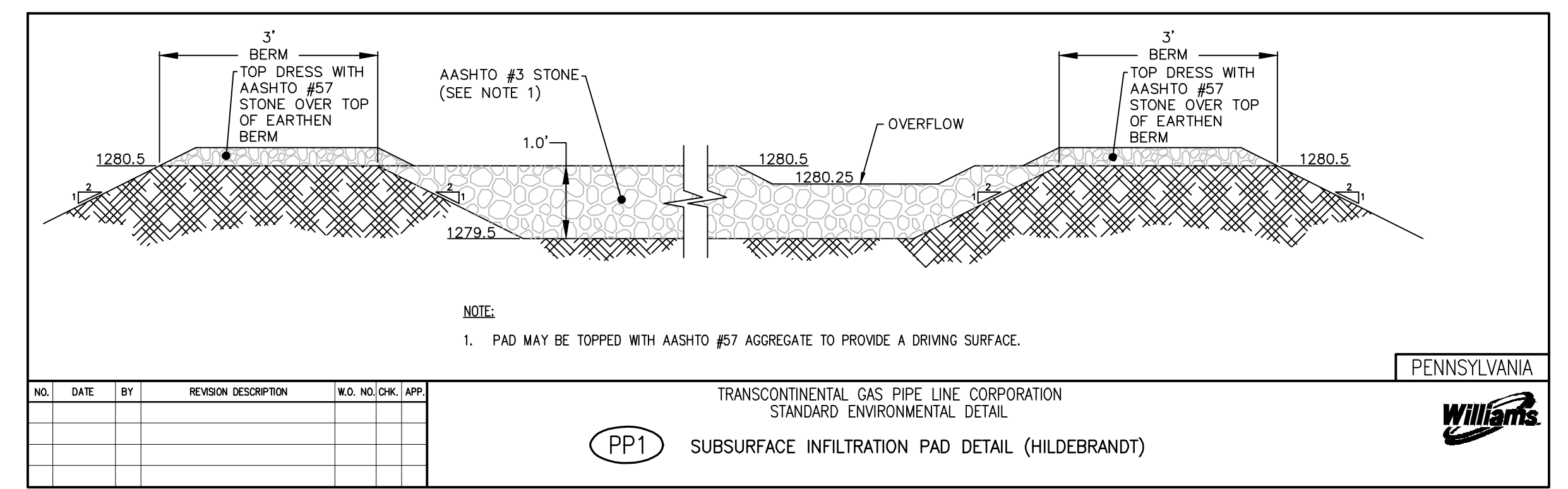
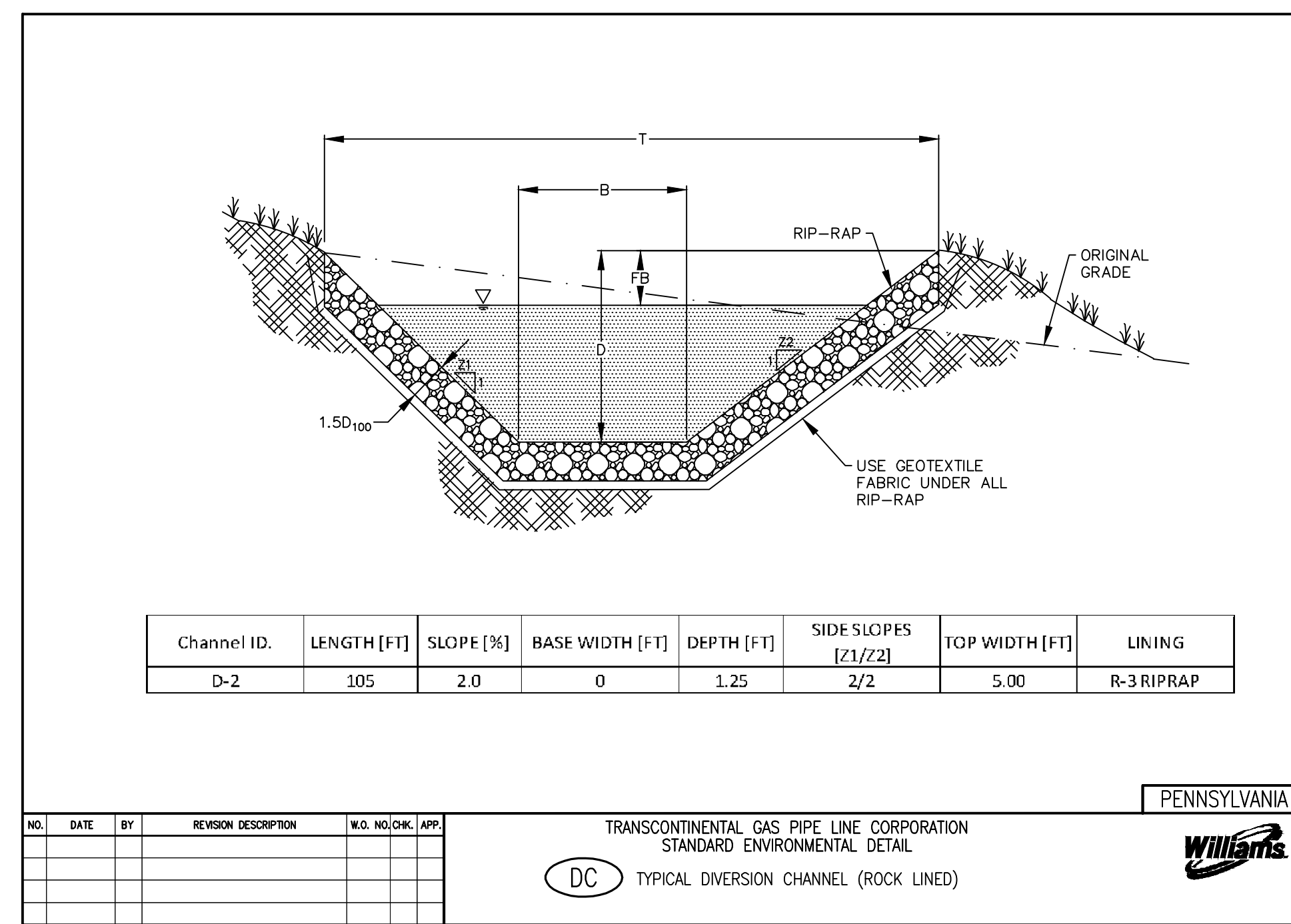
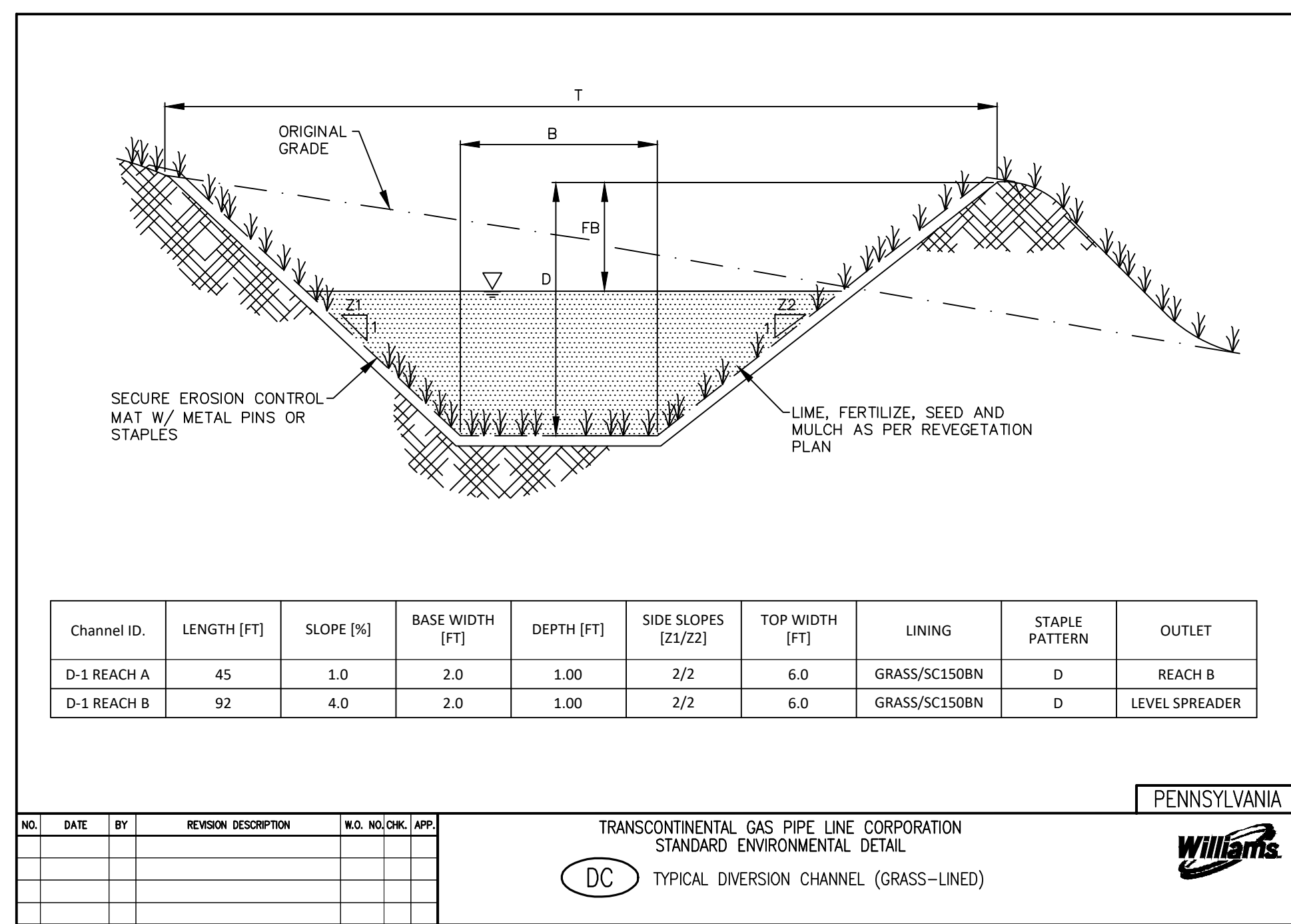


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PROPOSED CONDITIONS PLAN
 DALLAS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

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OPERATION & MAINTENANCE:

- LEVEL SPREADER SHALL BE CONSTRUCTED AND MAINTAINED LEVEL. SMALL VARIATIONS IN HEIGHT ON THE DOWNSTREAM LIP SHALL BE LESS THAN 0.05X SLOPE ALONG THE WEIR.
- CLEAR DEBRIS (I.E. EARTH, WOOD, AND OTHER ORGANIC MATTER) LOCATED WITHIN 15 FEET DOWN SLOPE OF THE LEVEL SPREADER THAT MAY ACCUMULATE.
- LEVEL SPREADER LOCATION MAY BE FIELD ADJUSTED TO BETTER FIT EXISTING GRADE.

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WO: 1232585/1232586 RID: 305 DRAWING NUMBER: 26-1000-70-28-D SHEET 5 OF 5

IBA GROUP

WWM consulting, LLC

PATRICK A. WOZINSKI, P.E.
REGISTERED PROFESSIONAL ENGINEER
PENNSYLVANIA PROFESSIONAL ENGINEER
PE078243