

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	1 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



Pennsylvania Act 199 (2004) requires 3 working days notice from excavators who are about to Dig, Blast, Auger, Bore, Grade, Trench or Demolish anywhere in the Commonwealth. Contractor Shall Place A One-Call (1-800-242-1776) Prior to Construction.

DESIGN  
REFERENCE NO.:  
20201823013 (EDEN TOWNSHIP)  
20201823011 (BART TOWNSHIP)

**BART TOWNSHIP**  
**DRAWINGS**  
**FOR**  
**EROSION AND SEDIMENT POLLUTION CONTROL**  
**OF**  
**ENOLA LOW GRADE TRAIL - EAST**  
**IN EDEN TOWNSHIP, BART TOWNSHIP, AND QUARRYVILLE BOROUGH**  
**LANCASTER COUNTY, PENNSYLVANIA**  
**FROM STA 90+50.00 TO STA 249+50.00 LENGTH 15,777.06 FEET 2.988 MI**

**SHEET INDEX BLOCK**

DESCRIPTION	SHEET
ESPC TITLE SHEET	1
ESPC PLANS	2-24
ESPC NOTES	25
ESPC DETAILS	26-28

**TOTAL PROJECT AREA:**

TOTAL - (931,392 SF = 21.38 ACRES)

**PROPOSED CHAPTER 102 NPDES DISTURBANCE:**

TOTAL - (249,799 SF = 5.74 ACRES)

**PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES:**

TOTAL - (312,800 SF = 7.18 ACRES)

**PROPOSED CHAPTER 105 PERMITTED ACTIVIES:**

TOTAL - (368,793 SF = 8.47 ACRES)

PERMANENT STREAM - (11,791 LF : 34,776 SF = 0.80 ACRES)

- WC 1 - 413 LF : 1,652 SF = 0.04 ACRES
- WC 2 - 600 LF : 2,280 SF = 0.05 ACRES
- WC 4 - 14 LF : 56 SF = 0.001 ACRES
- WC 5 - 14 LF : 140 SF = 0.003 ACRES
- WC 6A - 5,359 LF : 17,165 SF = 0.39 ACRES
- WC 6B - 5,377 LF : 13,427 SF = 0.31 ACRES
- WC 7 - 14 LF : 56 SF = 0.001 ACRES

TEMPORARY STREAM - (64 LF : 442 SF = 0.01 ACRES)

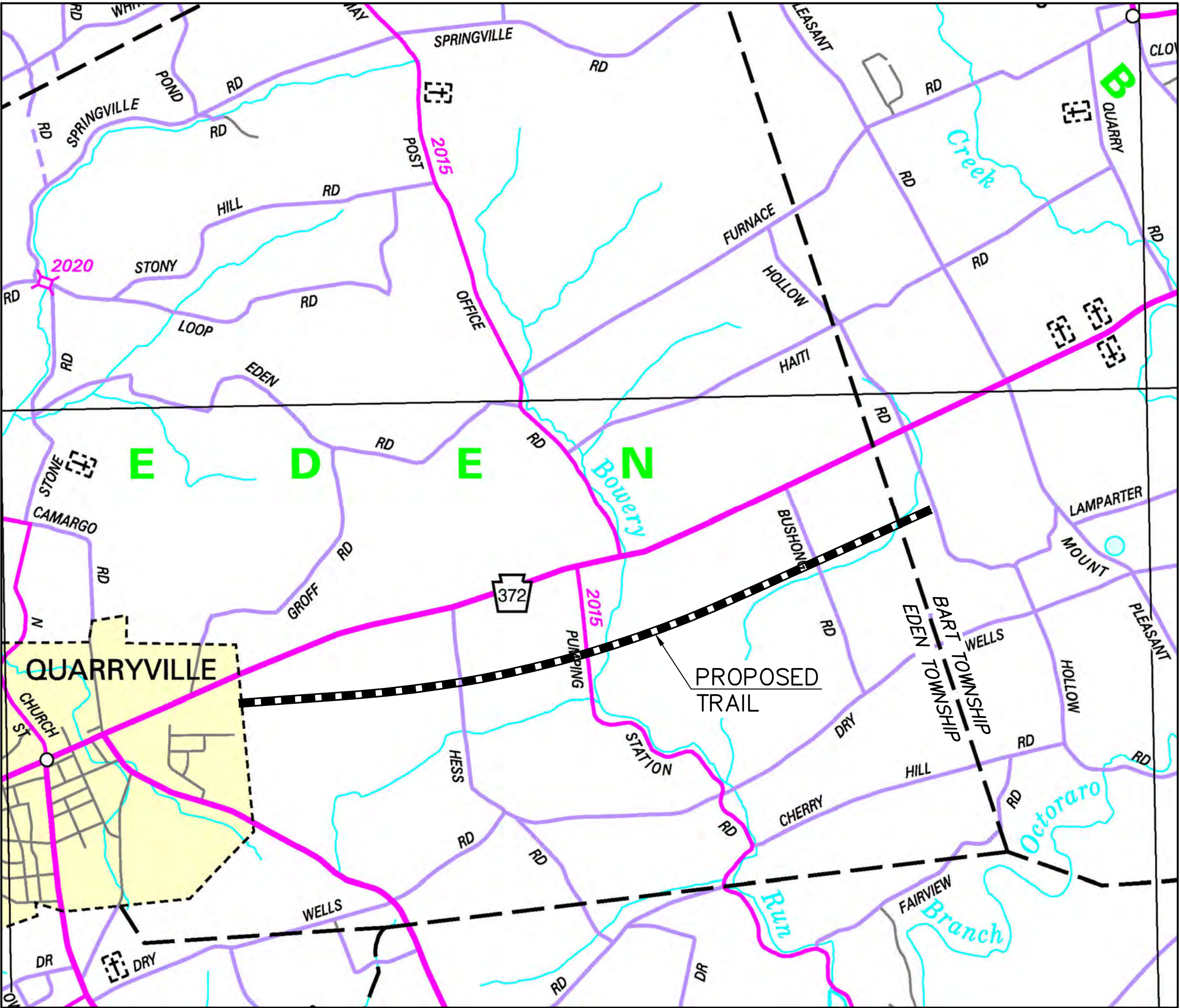
- WC 4 - 33 LF : 132 SF = 0.003 ACRES
- WC 5 - 10 LF : 100 SF = 0.002 ACRES
- WC 7 - 21 LF : 210 SF = 0.005 ACRES

PERMANENT FLOODWAY - (269,012 SF = 6.18 ACRES)

TEMPORARY FLOODWAY - (64,563 SF = 1.48 ACRES)

**RECEIVING WATERS:**

- |  |             |
|--|-------------|
| WATERCOURSE 1, INTERM. UNT TO SOUTH FORK BIG BEAVER CREEK    | TSF, MF     |
| WATERCOURSE 2, INTERM. UNT TO SOUTH FORK BIG BEAVER CREEK    | TSF, MF     |
| WATERCOURSE 3, EPHEMERAL UNT TO BOWERY RUN                   |             |
| WATERCOURSE 4, PERENNIAL UNT TO BOWERY RUN                   | HQ, CWF, MF |
| WATERCOURSE 5, PERENNIAL UNT TO BOWERY RUN                   | HQ, CWF, MF |
| WATERCOURSE 6A, PERENNIAL UNT TO SOUTH FORK BIG BEAVER CREEK | TSF, MF     |
| WATERCOURSE 6B, PERENNIAL UNT TO SOUTH FORK BIG BEAVER CREEK | TSF, MF     |
| WATERCOURSE 7, BOWERY RUN, PERENNIAL                         | HQ, CWF, MF |



**LOCATION MAP**

2000 0 2000  
SCALE: 1" = 2000'

**NOTES:**

- THIS PROJECT IS IN A SPECIALLY PROTECTED HIGH QUALITY OR EXCEPTIONAL VALUE WATERSHED; EXTREME CARE SHALL BE EXERCISED IN ALL DISTURBED ACTIVITIES TO PREVENT DEGRADATION TO THE WATERS OF THE COMMONWEALTH.
- BECAUSE THIS PROJECT IS IN A SPECIALLY PROTECTED HIGH QUALITY OR EXCEPTIONAL VALUE WATERSHED; UPON COMPLETION OR TEMPORARY CESSATION OF EARTH DISTURBANCE ACTIVITIES, THE PROJECT SITE SHALL BE IMMEDIATELY STABILIZED WITH THE APPROPRIATE TEMPORARY OR PERMANENT STABILIZATION.

REVISION NUMBER	REVISIONS	DATE	BY
1			
2			

I HEREBY CERTIFY PURSUANT TO THE PENALTIES OF 18 PA. C.S.A. SEC. 4904 TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE, IS TRUE AND CORRECT, AND IS IN CONFORMANCE WITH PREVAILING GOVERNING LAWS.

PREPARED BY:

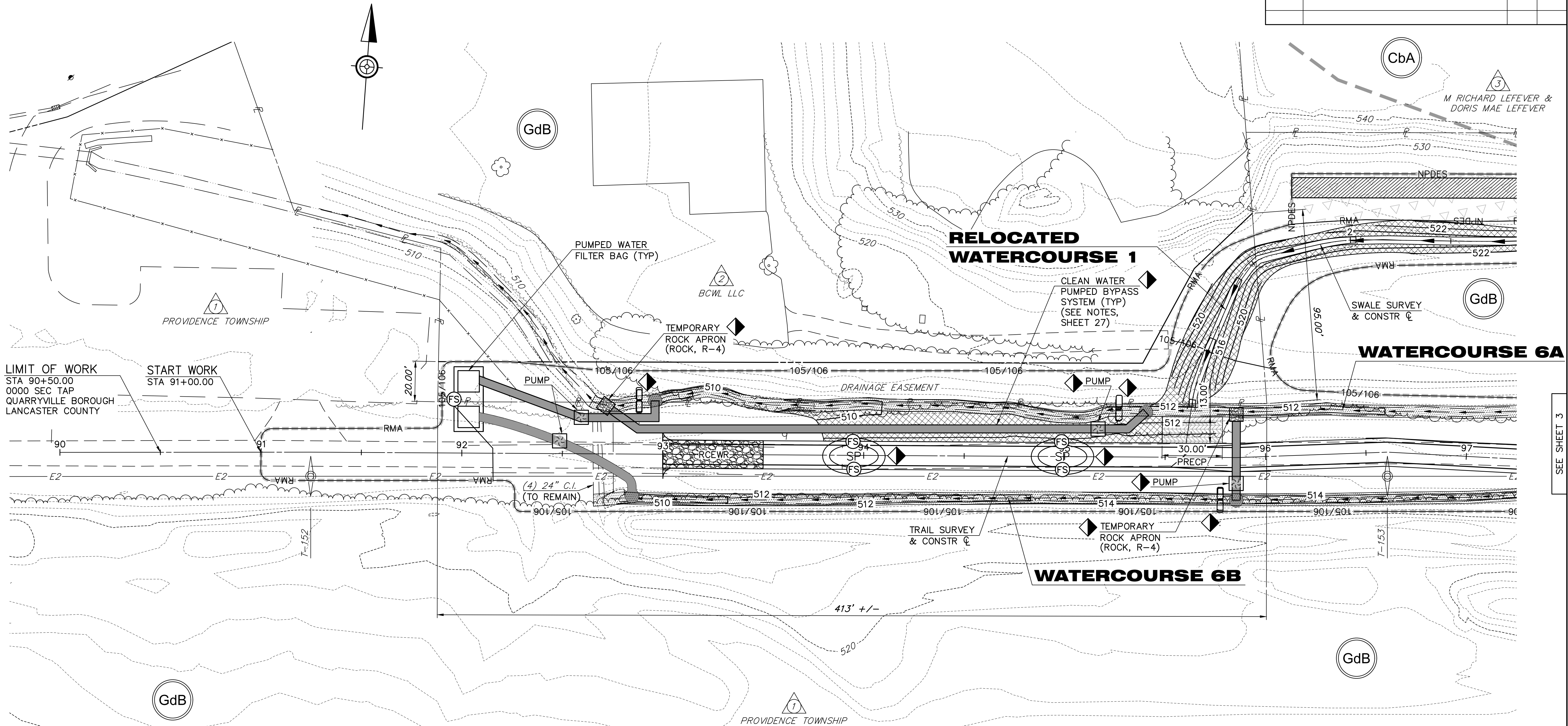
**WC**  
**GROUP**

WILSON CONSULTING GROUP, PC  
100 OLD SCHOOLHOUSE LANE  
MECHANICSBURG, PA 17055  
PHONE 717.591.3070 FAX 717.591.3071  
WWW.WCG-PC.COM





DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	2 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



- PRECIP

PERMANENT ROLLED EROSION CONTROL PRODUCT, TYPE 5C

EXISTING CONTOUR

PROPOSED CONTOUR

EXISTING EDGE OF STREAM

PARCEL IDENTIFICATION NUMBER - NO TAKE

APPROXIMATE FLOODWAY LINE

EXISTING WETLANDS

SOIL TYPE

SOIL BOUNDARY
- LEGEND

SP

SOIL STOCKPILE

PROTECTIVE FENCING (ORANGE PROTECTIVE FENCE)

TEMPORARY VEGETATED ACCESS

STREAMBED SUBSTRATE

LIMIT OF WORK

COMPOST FILTER SOCK, 18" DIAMETER

DIVERSION DIKE SYSTEM

PUMPED WATER FILTER BAG
- RELOCATE AS REQUIRED PER SEQUENCE (SEE NOTES SHEET 25)

CLEAN WATER PUMPED BYPASS SYSTEM (TYP)

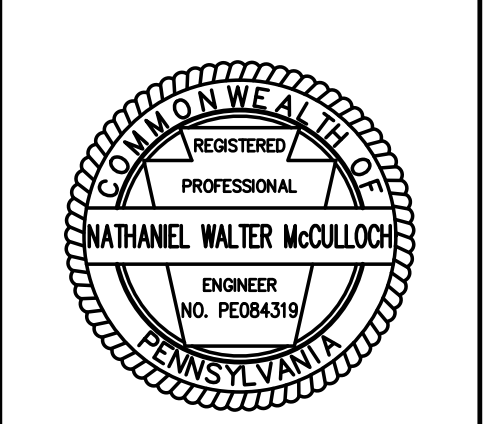
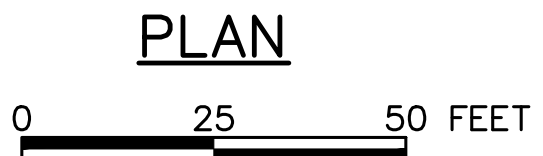
EROSION CONTROL PRODUCT, TYPE 2D

MEADOW RESTORATION AREA

IMPERVIOUS RESTORATION AREA

RIPARIAN BUFFER (TO BE MAINTAINED)

CHANNEL CLEANING





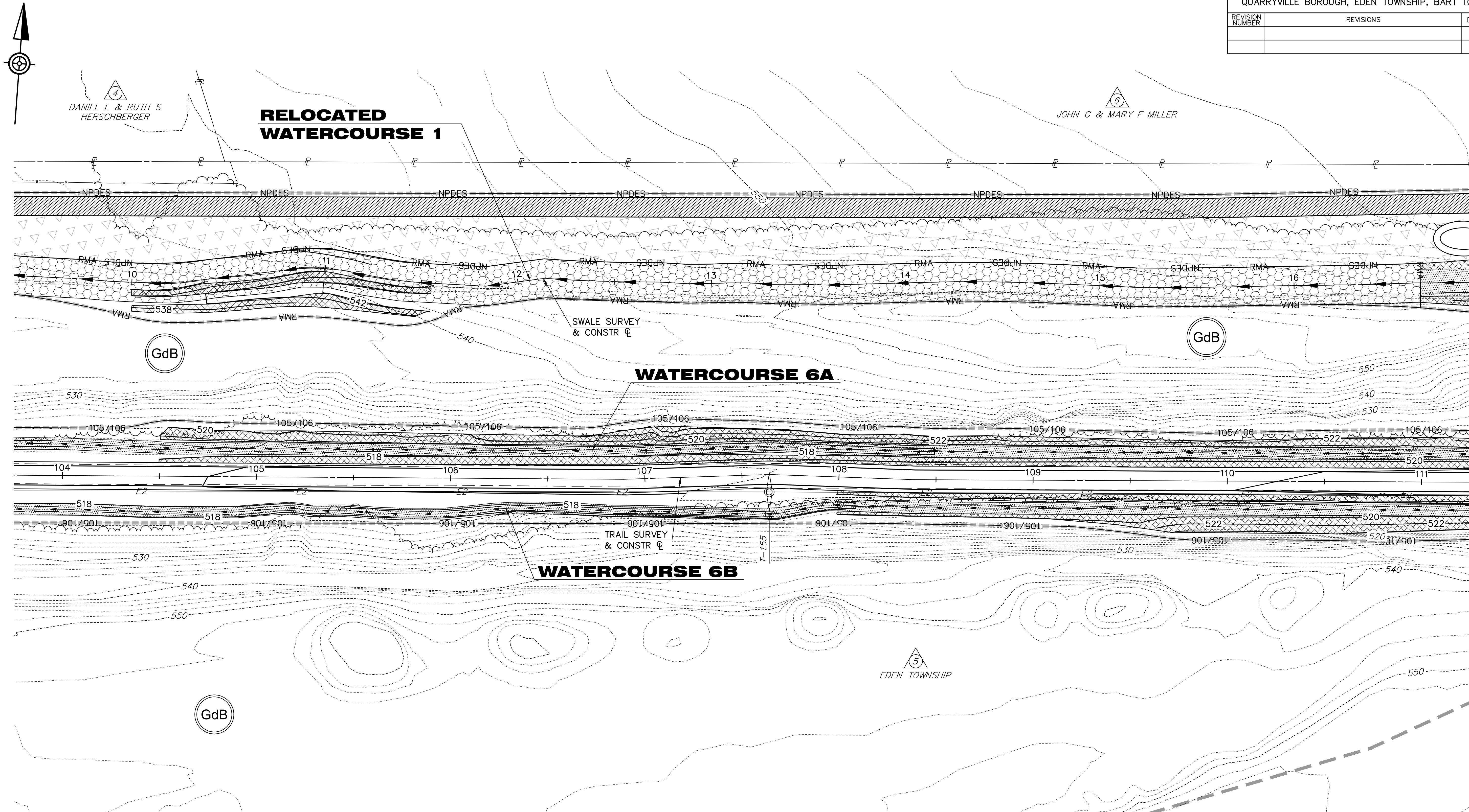


DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
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QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

SEE SHEET 3

SEE SHEET 5

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- 500--- EXISTING CONTOUR

—500— PROPOSED CONTOUR

△ 1 EXISTING EDGE OF STREAM

--- APPROXIMATE FLOODWAY LINE

⊕ EXISTING WETLANDS

⊙ GdB SOIL TYPE

--- SOIL BOUNDARY

—x— PROTECTIVE FENCING (ORANGE PROTECTIVE FENCE)

▨ TEMPORARY VEGETATED ACCESS

▨ STREAMBED SUBSTRATE

--- LIMIT OF WORK

⊙ FS COMPOST FILTER SOCK, 18" DIAMETER

□ DIVERSION DIKE SYSTEM

□ PUMPED WATER FILTER BAG

▨ CLEAN WATER PUMPED BYPASS SYSTEM (TYP)

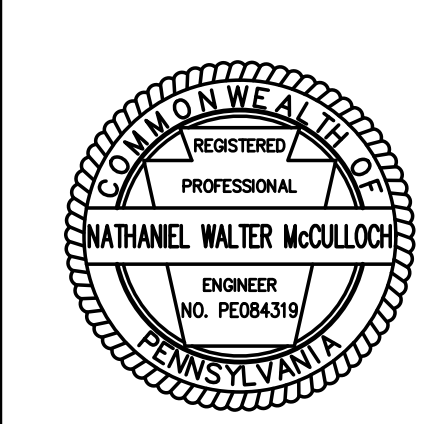
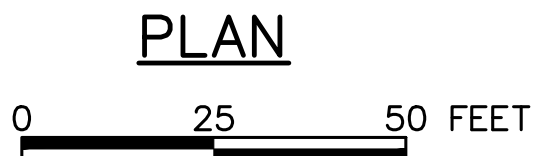
▨ EROSION CONTROL PRODUCT, TYPE 2D

▨ MEADOW RESTORATION AREA

▨ IMPERVIOUS RESTORATION AREA

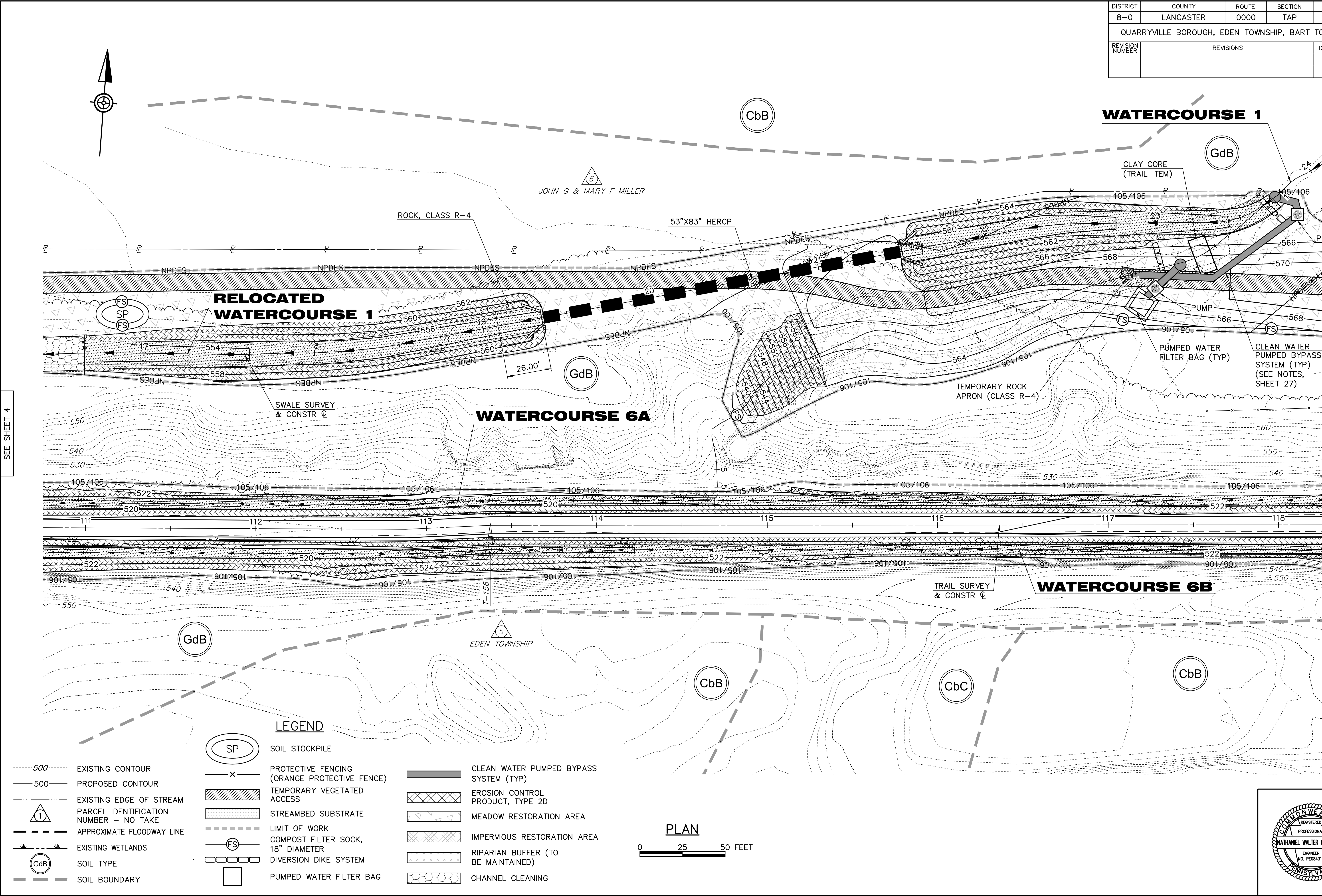
▨ RIPARIAN BUFFER (TO BE MAINTAINED)

▨ CHANNEL CLEANING

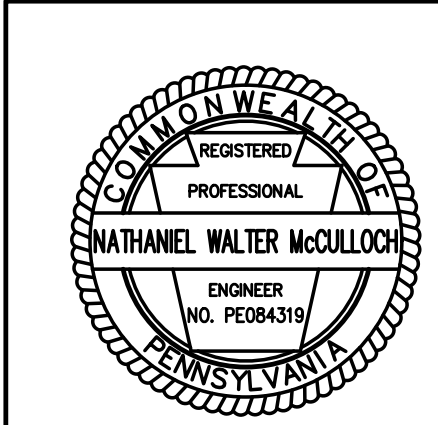




DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	5 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



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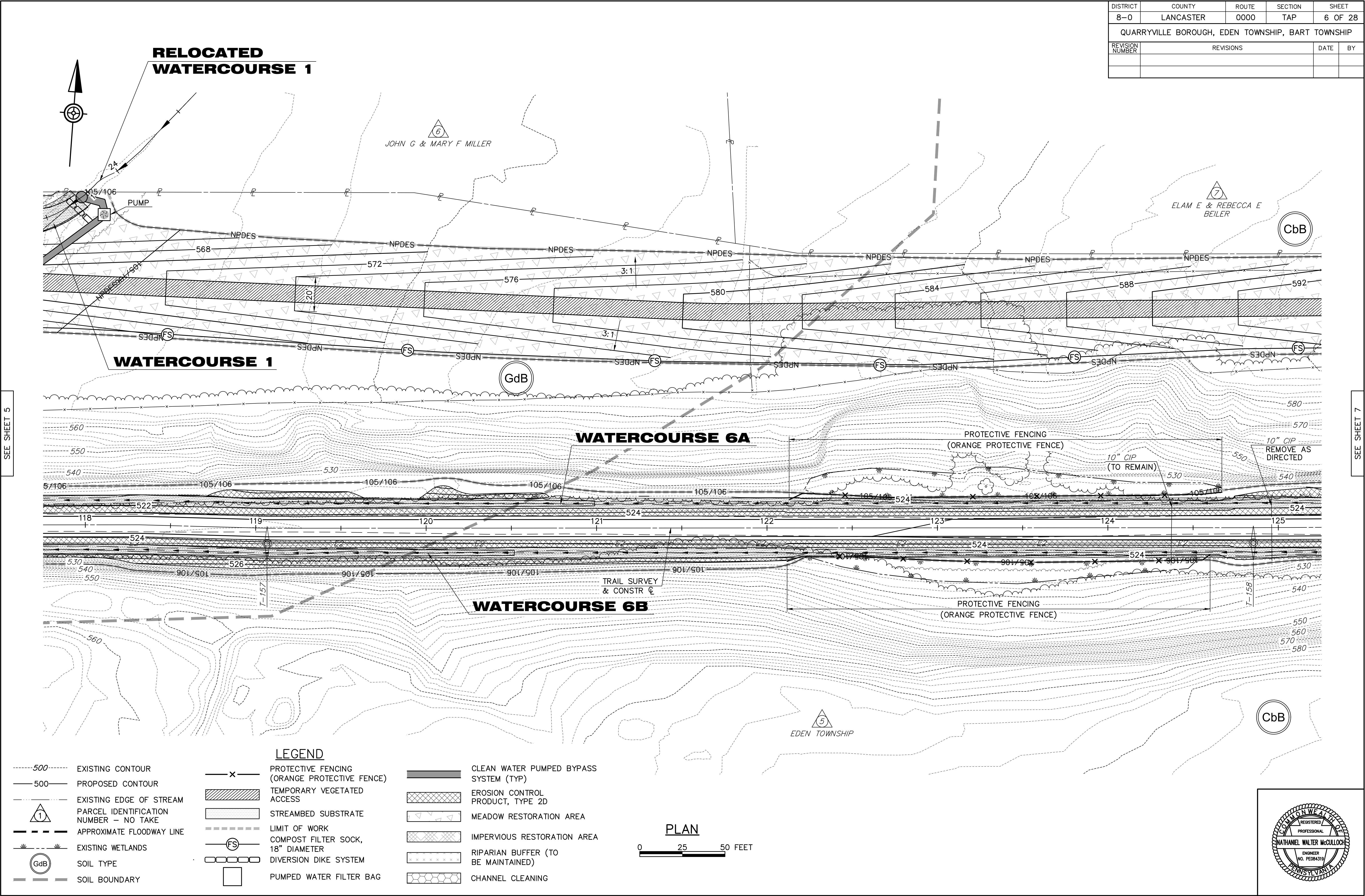




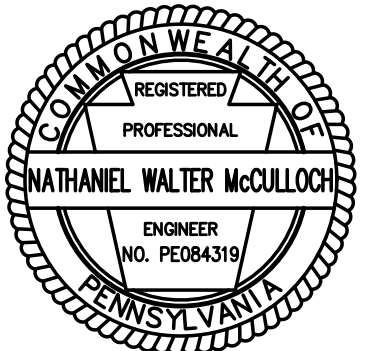
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8—0	LANCASTER	0000	TAP	6 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

SEE SHEET 5

SEE SHEET 7

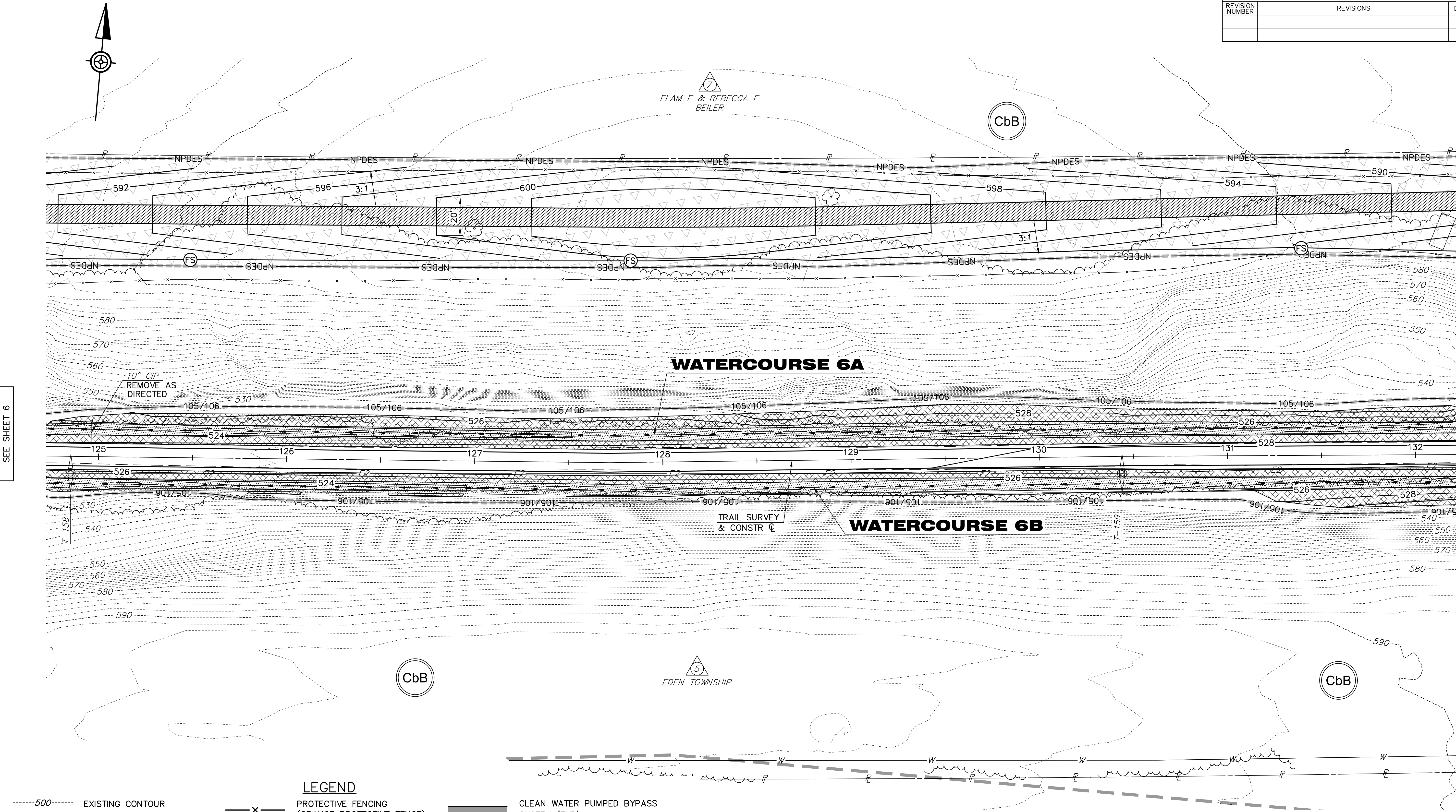


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DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	7 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



- 500--- EXISTING CONTOUR

—500— PROPOSED CONTOUR

△ EXISTING EDGE OF STREAM

1 PARCEL IDENTIFICATION NUMBER – NO TAKE

--- APPROXIMATE FLOODWAY LINE

--- EXISTING WETLANDS

GdB SOIL TYPE

--- SOIL BOUNDARY

—x— PROTECTIVE FENCING (ORANGE PROTECTIVE FENCE)

TEMPORARY VEGETATED ACCESS

STREAMBED SUBSTRATE

--- LIMIT OF WORK

FS COMPOST FILTER SOCK, 18" DIAMETER

○ DIVERSION DIKE SYSTEM

□ PUMPED WATER FILTER BAG

CLEAN WATER PUMPED BYPASS SYSTEM (TYP)

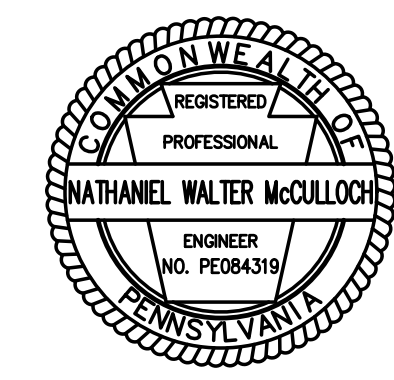
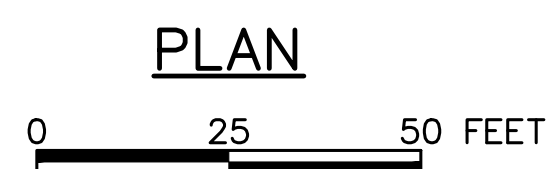
EROSION CONTROL PRODUCT, TYPE 2D

MEADOW RESTORATION AREA

IMPERVIOUS RESTORATION AREA

RIPARIAN BUFFER (TO BE MAINTAINED)

CHANNEL CLEANING



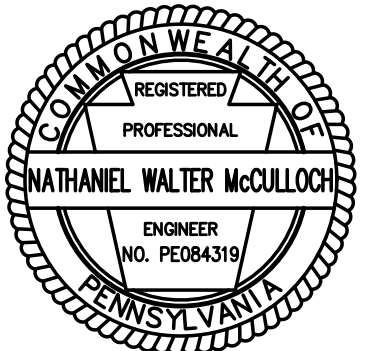
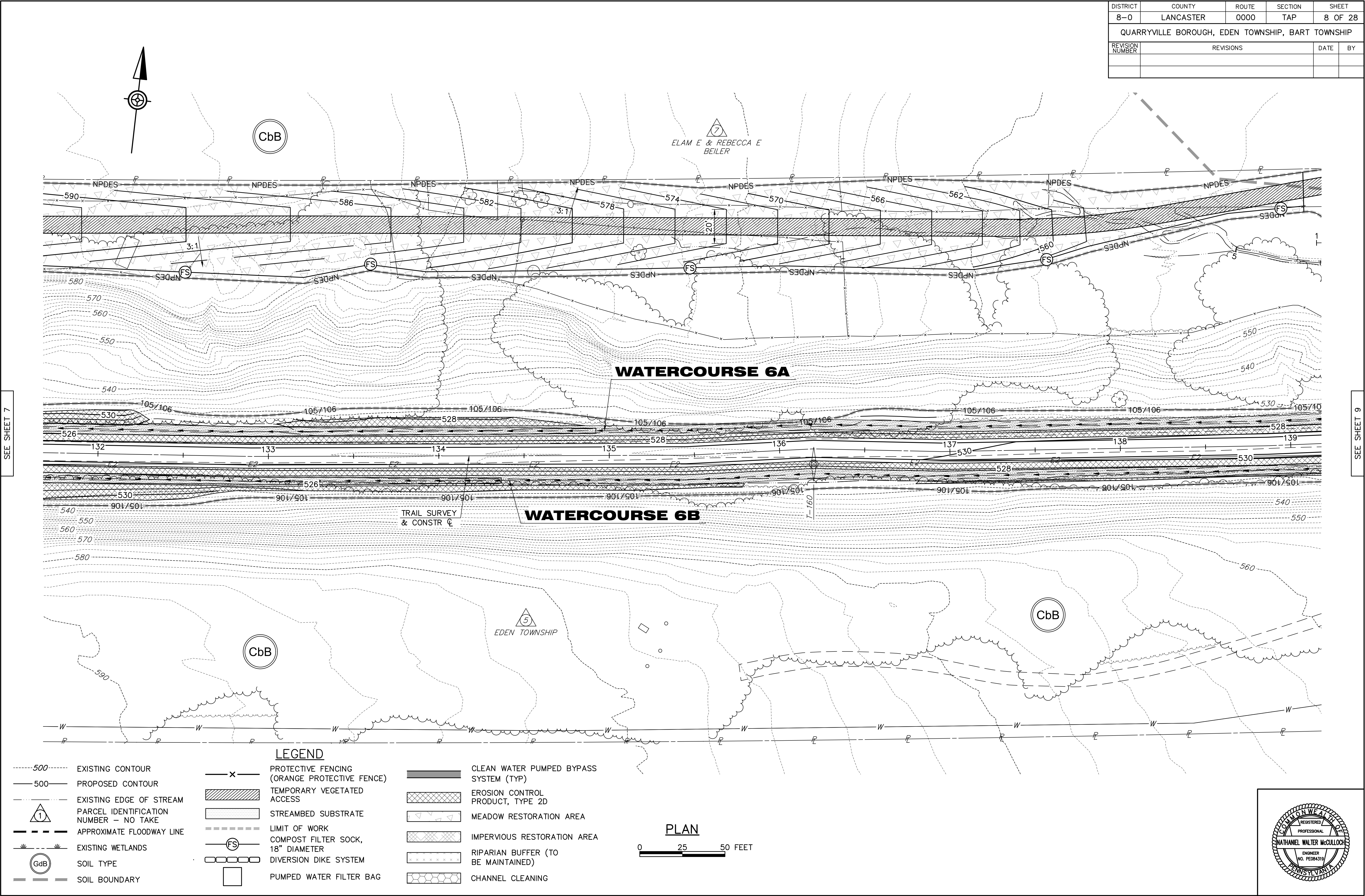
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	8 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

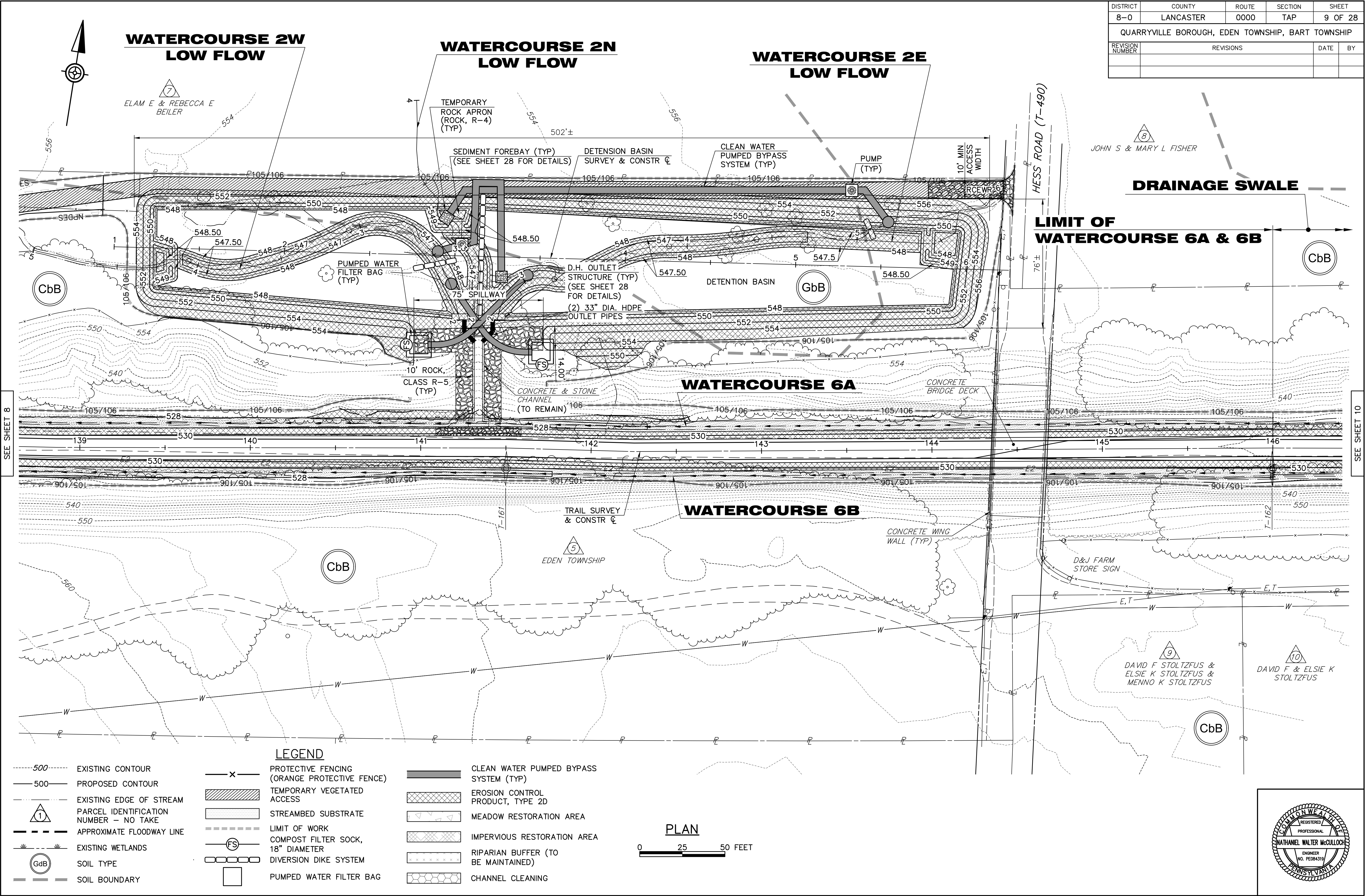
SEE SHEET 7

SEE SHEET 9



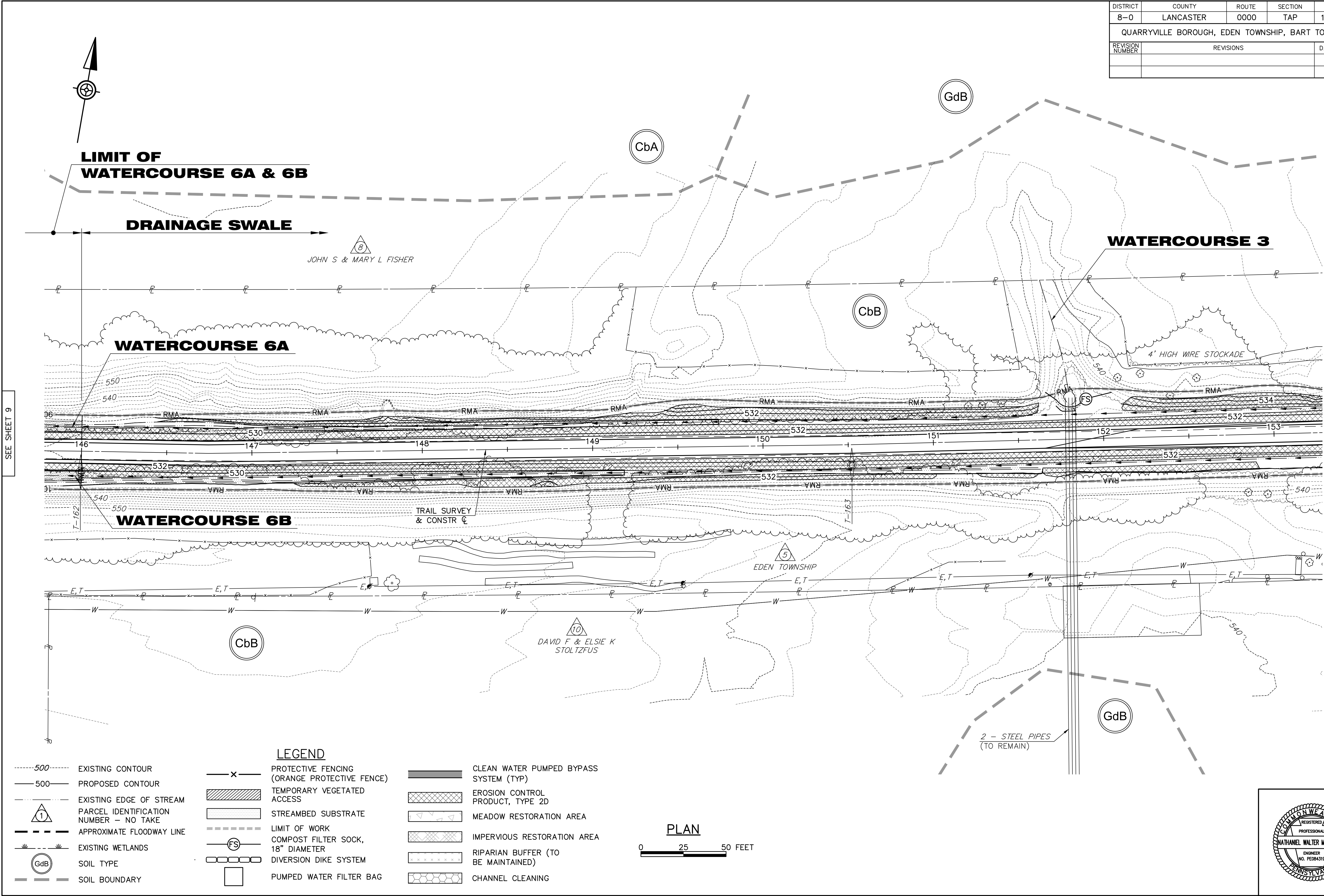


DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8—0	LANCASTER	0000	TAP	9 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

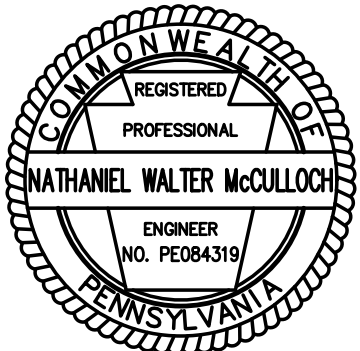




DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	10 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



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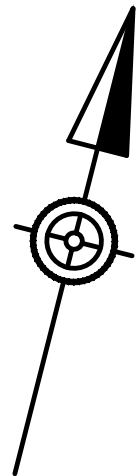






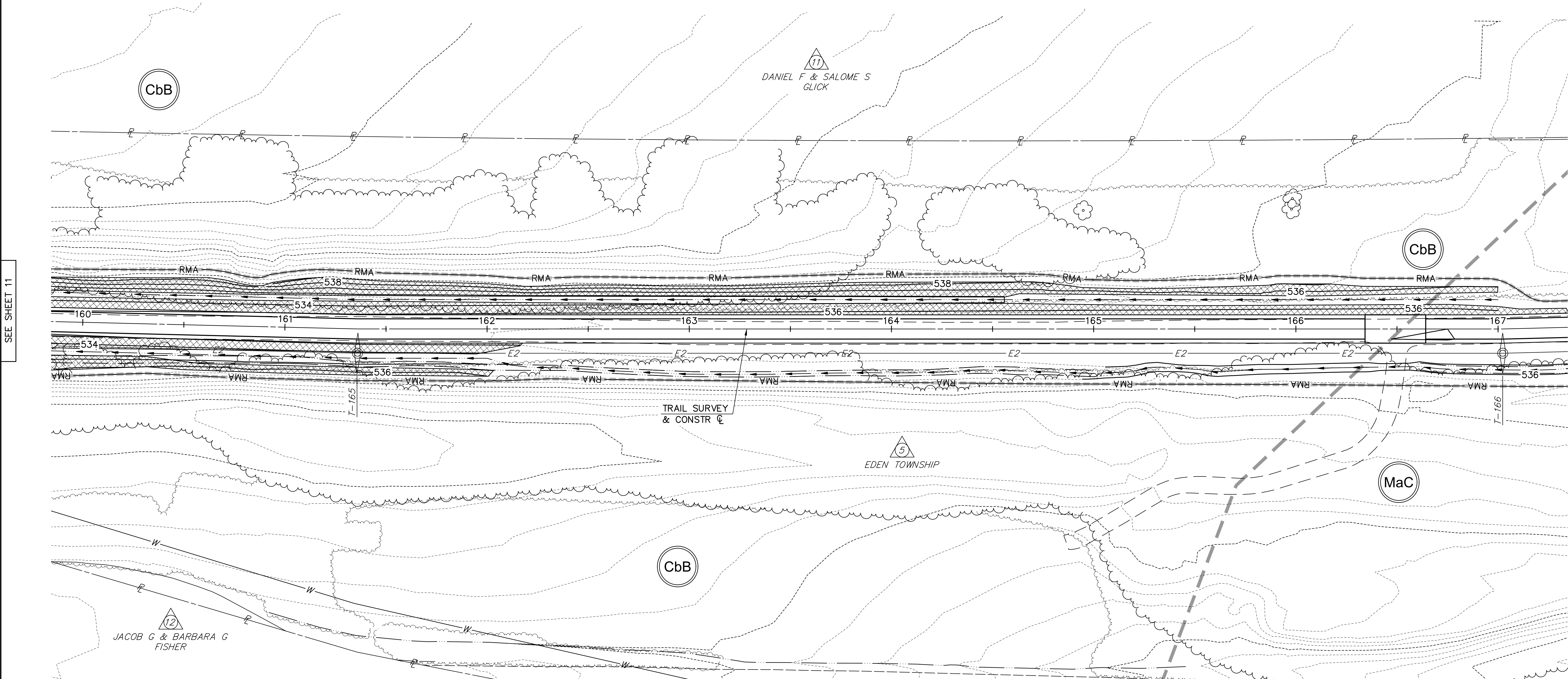


DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	12 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



SEE SHEET 11

SEE SHEET 13



- 500--- EXISTING CONTOUR

—500— PROPOSED CONTOUR

△ 1 EXISTING EDGE OF STREAM

△ 1 PARCEL IDENTIFICATION NUMBER – NO TAKE

--- APPROXIMATE FLOODWAY LINE

W EXISTING WETLANDS

GdB SOIL TYPE

--- SOIL BOUNDARY

—x— PROTECTIVE FENCING (ORANGE PROTECTIVE FENCE)

TEMPORARY VEGETATED ACCESS

STREAMBED SUBSTRATE

--- LIMIT OF WORK

FS COMPOST FILTER SOCK, 18" DIAMETER

○ DIVERSION DIKE SYSTEM

□ PUMPED WATER FILTER BAG

CLEAN WATER PUMPED BYPASS SYSTEM (TYP)

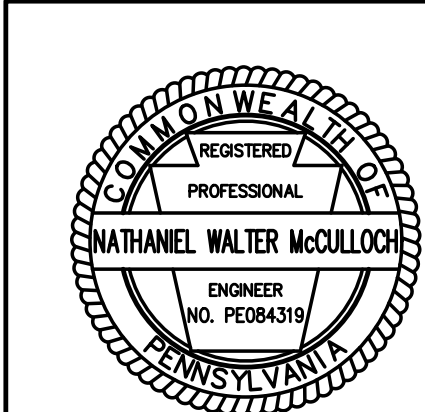
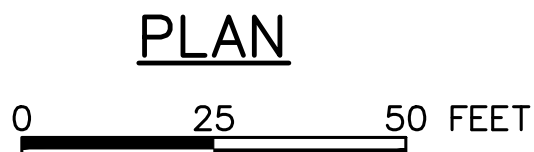
EROSION CONTROL PRODUCT, TYPE 2D

MEADOW RESTORATION AREA

IMPERVIOUS RESTORATION AREA

RIPARIAN BUFFER (TO BE MAINTAINED)

CHANNEL CLEANING





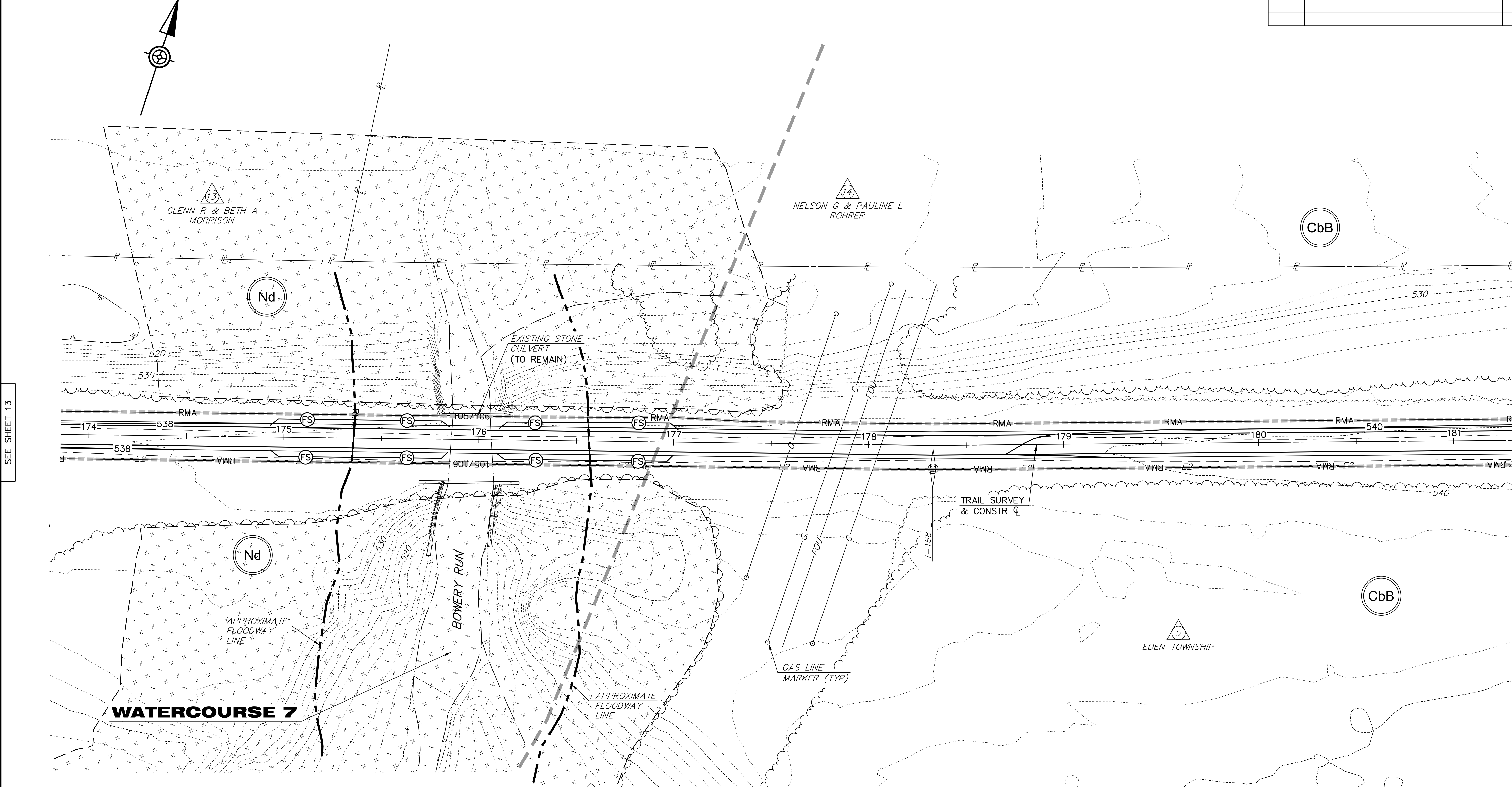




DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	14 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

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- 500--- EXISTING CONTOUR

—500— PROPOSED CONTOUR

△ 1 EXISTING EDGE OF STREAM

△ 1 PARCEL IDENTIFICATION NUMBER – NO TAKE

--- APPROXIMATE FLOODWAY LINE

--- EXISTING WETLANDS

GdB SOIL TYPE

--- SOIL BOUNDARY

—x— PROTECTIVE FENCING (ORANGE PROTECTIVE FENCE)

TEMPORARY VEGETATED ACCESS

STREAMBED SUBSTRATE

--- LIMIT OF WORK

FS COMPOST FILTER SOCK, 18" DIAMETER

○ DIVERSION DIKE SYSTEM

□ PUMPED WATER FILTER BAG

CLEAN WATER PUMPED BYPASS SYSTEM (TYP)

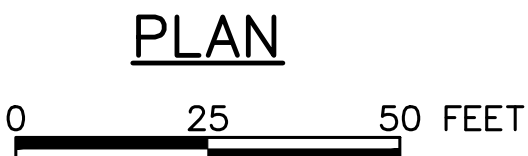
EROSION CONTROL PRODUCT, TYPE 2D

MEADOW RESTORATION AREA

IMPERVIOUS RESTORATION AREA

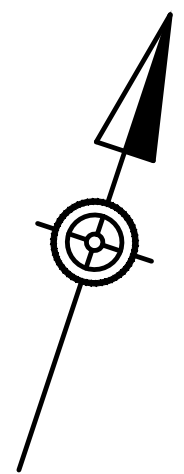
RIPARIAN BUFFER (TO BE MAINTAINED)

CHANNEL CLEANING





DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	15 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
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14  
NELSON G & PAULINE L  
ROHRER

CbB

CbB

CbB

5  
EDEN TOWNSHIP

SEE SHEET 14

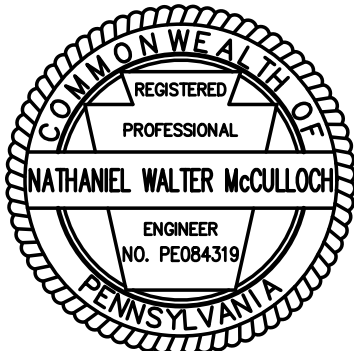
SEE SHEET 16

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LEGEND			
	EXISTING CONTOUR		PROTECTIVE FENCING (ORANGE PROTECTIVE FENCE)
	PROPOSED CONTOUR		TEMPORARY VEGETATED ACCESS
	EXISTING EDGE OF STREAM		STREAMBED SUBSTRATE
	PARCEL IDENTIFICATION NUMBER - NO TAKE		LIMIT OF WORK
	APPROXIMATE FLOODWAY LINE		COMPOST FILTER SOCK, 18" DIAMETER
	EXISTING WETLANDS		DIVERSION DIKE SYSTEM
	SOIL TYPE		PUMPED WATER FILTER BAG
	SOIL BOUNDARY		CLEAN WATER PUMPED BYPASS SYSTEM (TYP)
			EROSION CONTROL PRODUCT, TYPE 2D
			MEADOW RESTORATION AREA
			IMPERVIOUS RESTORATION AREA
			RIPARIAN BUFFER (TO BE MAINTAINED)
			CHANNEL CLEANING

PLAN

0 25 50 FEET





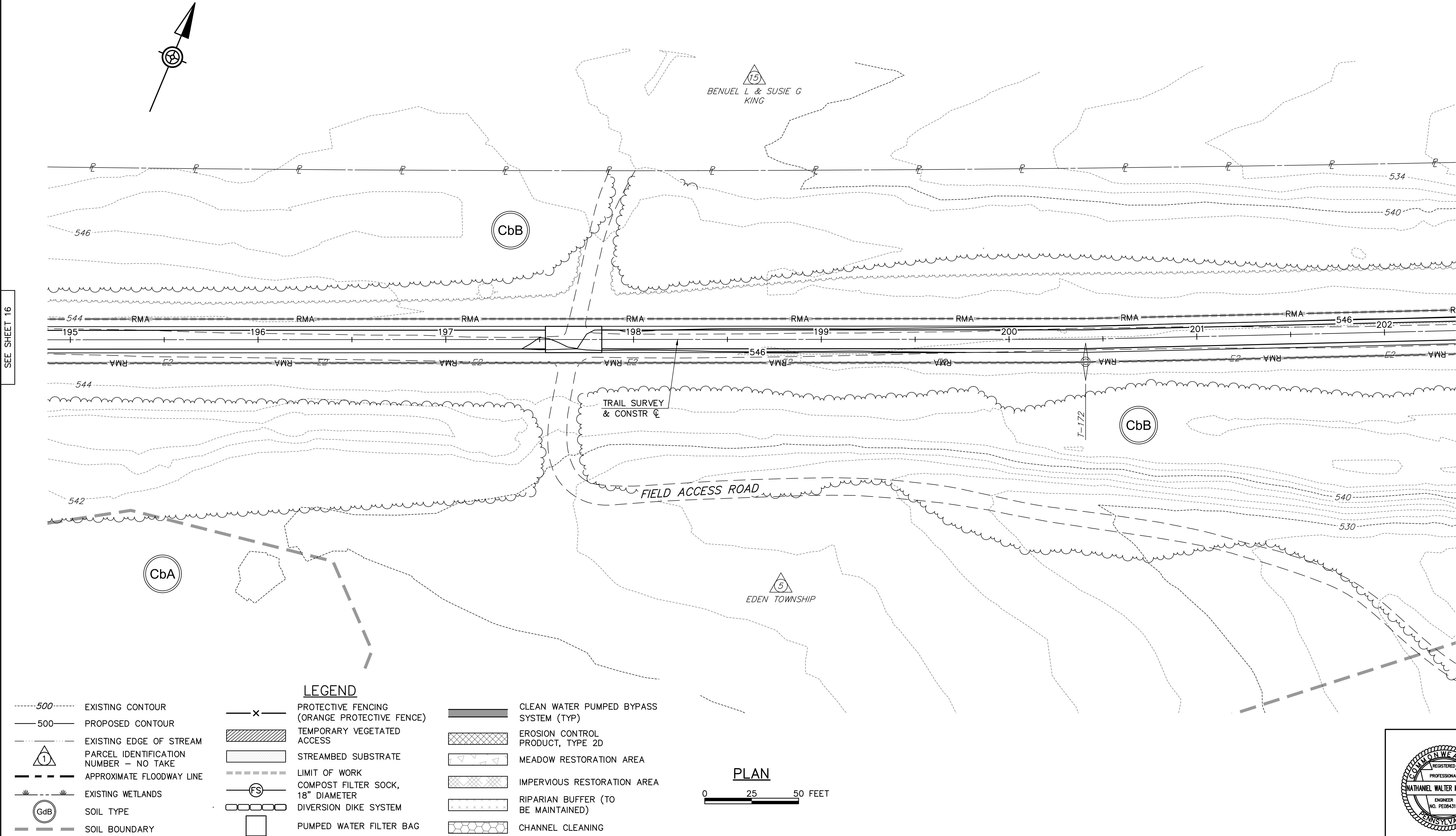




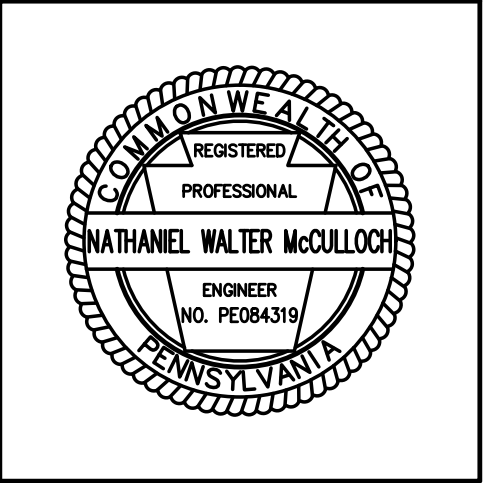
DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	17 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

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SEE SHEET 18



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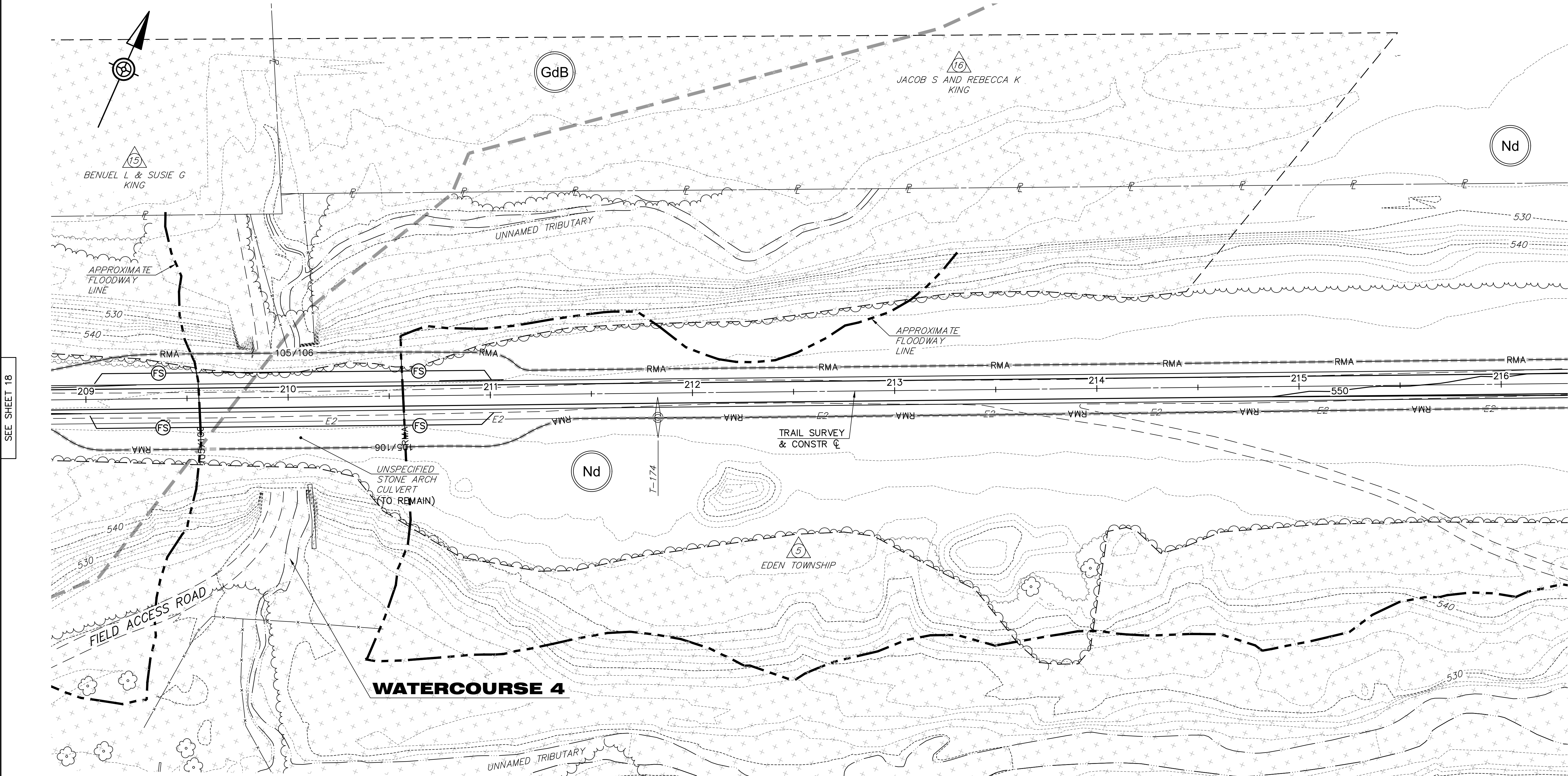








DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	19 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



- 500--- EXISTING CONTOUR

—500— PROPOSED CONTOUR

△ 1 EXISTING EDGE OF STREAM

△ 1 PARCEL IDENTIFICATION NUMBER – NO TAKE

--- APPROXIMATE FLOODWAY LINE

WETLANDS EXISTING WETLANDS

GdB SOIL TYPE

--- SOIL BOUNDARY
- x— PROTECTIVE FENCING (ORANGE PROTECTIVE FENCE)

TEMPORARY VEGETATED ACCESS

STREAMBED SUBSTRATE

--- LIMIT OF WORK

FS COMPOST FILTER SOCK, 18" DIAMETER

DIVERSION DIKE SYSTEM

PUMPED WATER FILTER BAG
- CLEAN WATER PUMPED BYPASS SYSTEM (TYP)

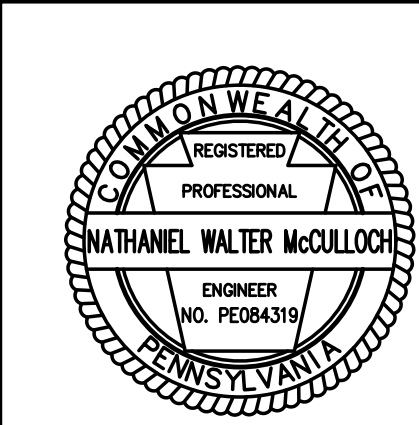
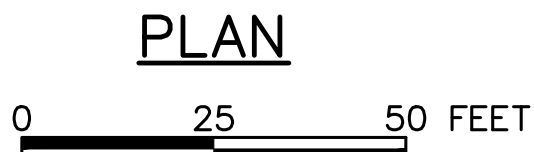
EROSION CONTROL PRODUCT, TYPE 2D

MEADOW RESTORATION AREA

IMPERVIOUS RESTORATION AREA

RIPARIAN BUFFER (TO BE MAINTAINED)

CHANNEL CLEANING



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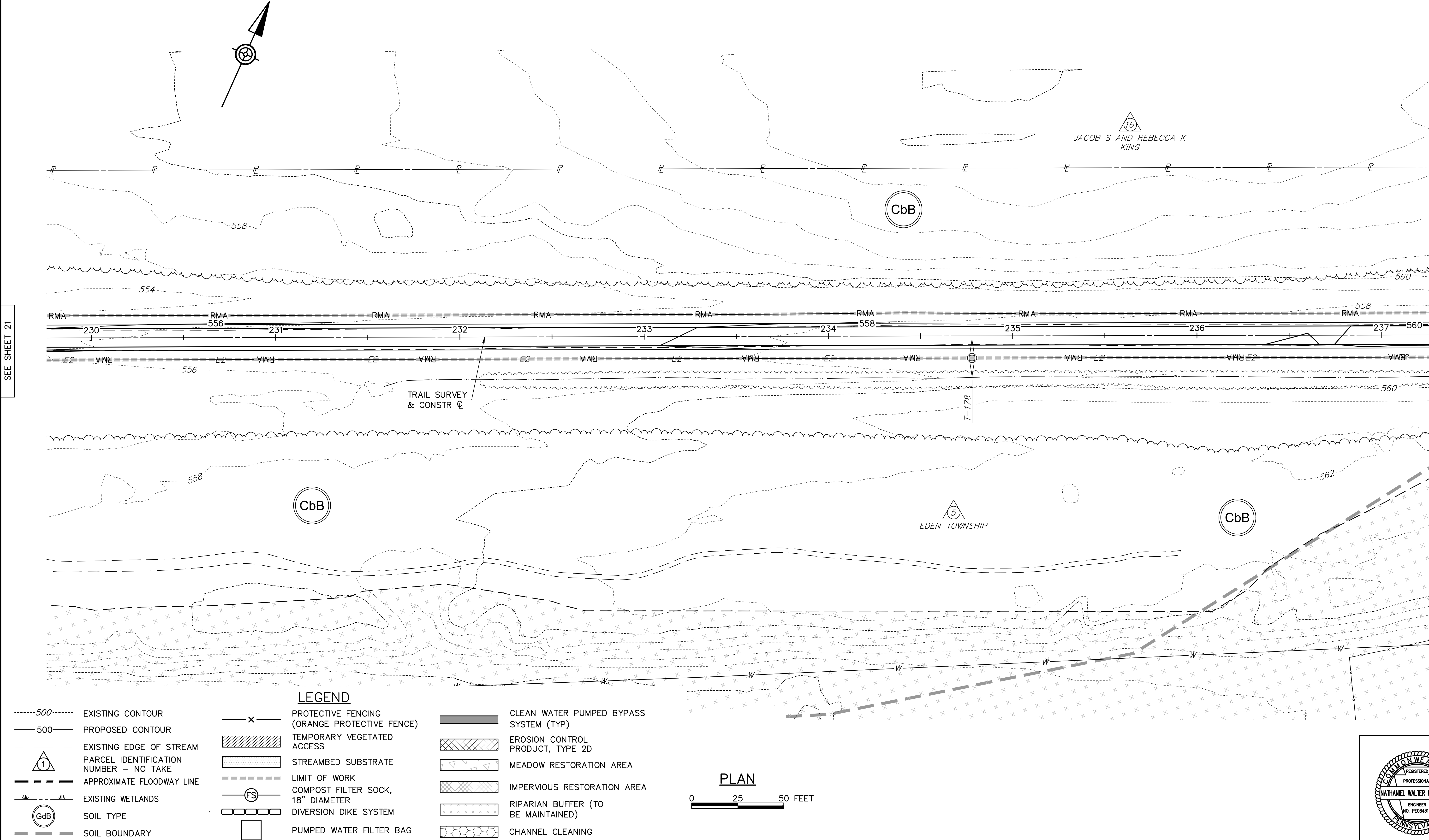






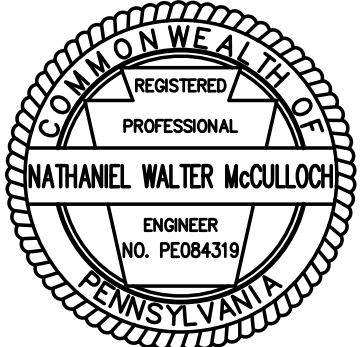


DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8—0	LANCASTER	0000	TAP	22 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



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DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	23 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY


SEE SHEET 22


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
- 500--- EXISTING CONTOUR


—500— PROPOSED CONTOUR

 EXISTING EDGE OF STREAM

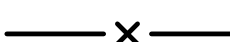
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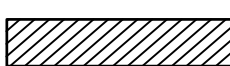
--- APPROXIMATE FLOODWAY LINE


 EXISTING WETLANDS

 SOIL TYPE


--- SOIL BOUNDARY


 PROTECTIVE FENCING (ORANGE PROTECTIVE FENCE)


 TEMPORARY VEGETATED ACCESS


 STREAMBED SUBSTRATE

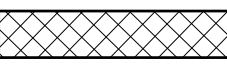
--- LIMIT OF WORK


 COMPOST FILTER SOCK, 18" DIAMETER


 DIVERSION DIKE SYSTEM

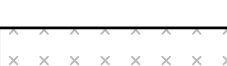
 PUMPED WATER FILTER BAG

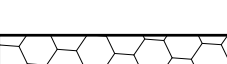
 CLEAN WATER PUMPED BYPASS SYSTEM (TYP)

 EROSION CONTROL PRODUCT, TYPE 2D

 MEADOW RESTORATION AREA

 IMPERVIOUS RESTORATION AREA

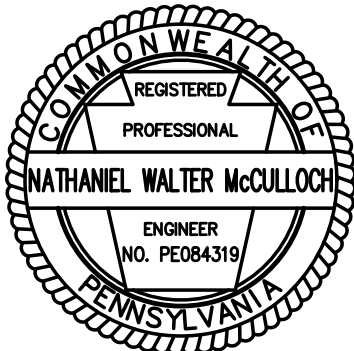
 RIPARIAN BUFFER (TO BE MAINTAINED)

 CHANNEL CLEANING

**WATERCOURSE 5**

**PLAN**

0 25 50 FEET







E:\Projects\BART\7 Endo Low Grade Trn\CAD\EDEN Section\E&S Plans\Notes & Details.dwg Tuesday, December 14, 2021 3:34:27 PM

GENERAL EROSION & SEDIMENT CONTROL PLAN STANDARD NOTES

- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE LANCASTER COUNTY CONSERVATION DISTRICT SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE LANCASTER COUNTY CONSERVATION DISTRICT MAY REQUIRE THE WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, AND APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE E&S PLAN, AND A REPRESENTATIVE FROM THE LANCASTER COUNTY CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LANCASTER COUNTY CONSERVATION DISTRICT.
- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPs SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR SEQUENCE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. (EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.)
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LANCASTER COUNTY CONSERVATION DISTRICT.
- ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LANCASTER COUNTY CONSERVATION DISTRICT AND BE FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
- ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVENT AND ON WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- A LOG SHOWING DATES THAT E&S BMPs WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
- SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEP INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- ALL SEDIMENT REMOVED FROM BMPs SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
- AREAS ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES – 6 TO 12 INCHES ON COMPACTED SOILS – PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM OF 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
- ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- E&S BMPs SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LANCASTER COUNTY CONSERVATION DISTRICT.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LANCASTER COUNTY CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPs.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPs MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPs. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMPs SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LANCASTER COUNTY CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
- FAILURE TO CORRECTLY INSTALL E&S BMPs, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPs MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.

STAGING OF CONSTRUCTION

PHASE 1 – CONSTRUCT BASIN/MEADOW RESTORATION (STATION 141+00)

- DELINEATE THE DISTURBED AREA, INSTALL TEMPORARY EROSION CONTROL BMPS, AND CLEAR AND GRUB AREAS AS NECESSARY TO CONSTRUCT THE BASIN.
- REMOVE DELETERIOUS DEBRIS FROM RESTORATION/STOCKPILE AREA AND DISPOSE OF AT AN APPROVED FACILITY OR AS SPECIFIED BY THE TOWNSHIP.
- CREATE A SOIL STOCKPILE AS SHOWN ON THE PLANS MINIMIZING IMPACTS TO MATURE NATIVE TREES.
- INSTALL THE STREAM DIVERSION SYSTEM TO DIVIDE THE BASIN INTO TWO SECTIONS.
- INSTALL PUMPED WATER FILTER BAG AND DEWATER HALF OF THE BASIN.
- CONSTRUCT HALF OF THE BASIN IN DRY CONDITIONS AS SHOWN ON THE PLANS AND PLACE SEED, MULCH, SOIL SUPPLEMENTS AND ROLLED EROSION CONTROL PRODUCT ON ALL DISTURBED AREAS AS INDICATED.
- REMOVE THE DIVERSION DIKE FROM THE CONSTRUCTED PORTION AND REPEAT STEPS 4 – 6 FOR THE REMAINING PORTION.
- REMOVE THE STREAM DIVERSION SYSTEM AND RESEED/STABILIZE AS REQUIRED.
- PERMANENTLY SEED RESTORATION/STOCKPILE AREA.
- REMOVE THE EROSION AND SEDIMENTATION CONTROL DEVICES AT THE DIRECTION OF THE LANCASTER COUNTY CONSERVATION DISTRICT.

PHASE 2 – RESTORE DIVERSION SWALE/MEADOW RESTORATION (STATION 96+00)

- CONSTRUCT TEMPORARY ACCESS POINT FROM HESS ROAD UTILIZING TIMBER MATS AS REQUIRED TO MINIMIZE DISTURBANCE WHEN ACCESSING THE SITE. RELOCATE FENCES AS REQUIRED TO PROPERTY LINE OR AS SHOWN ON PLANS.
- DELINEATE THE DISTURBED AREA, INSTALL TEMPORARY EROSION CONTROL BMPS, AND CLEAR AND GRUB AREAS NECESSARY TO RE-ESTABLISH THE SWALE. AREAS OF MINOR RESHAPING WILL BE REQUIRED.
- INSTALL THE STREAM DIVERSION SYSTEM AT STATION 24+00 OF THE SWALE AS SHOWN ON THE PLANS.
- INSTALL PUMPED WATER FILTER BAG AND DEWATER THE WORK AREA.
- SALVAGE NATIVE STREAMBED MATERIALS & STOCKPILE ON SITE.
- GRADE AS SHOWN ON THE PLANS.
- INSTALL THE PROPOSED STRUCTURE AT STATION 21+50, AND PLACE ROCK PROTECTION AT THE OUTLET OF THE STRUCTURE.
- PLACE STREAMBED SUBSTRATE PER SPECIFICATIONS
- REMOVE STREAM DIVERSION SYSTEM.
- CONSTRUCT CLAY CORE AND BACKFILL EMBANKMENT WASHOUT TO GRADES AS SPECIFIED.
- PLACE PERMANENT SEED AND MULCH ON ALL DISTURBED AREAS AND MATTING ON DISTURBED AREAS WITH A 3:1 SLOPE OR STEEPER, OR WITHIN 50’ OF ANY NON HQ OR EV STREAM, OR WITHIN 100’ OF ANY HQ/EV STREAM.

PHASE 3 – CONSTRUCT TRAIL/TRAILHEAD

- DELINEATE THE DISTURBED AREA, INSTALL TEMPORARY EROSION CONTROL BMPS, AND CLEAR AND GRUB AREAS NECESSARY TO CONSTRUCT THE TRAIL.
- DEWATER AND CONSTRUCT SWALE
  - INSTALL THE STREAM DIVERSION SYSTEM IN THE SWALES ADJACENT TO THE TRAIL – SEE PLAN AT STATION 96+00 FOR AN EXAMPLE.
    - DEWATER SECTIONS BASED ON EXPERIENCE AND PUMP CAPACITY IN ACCORDANCE WITH FISH AND HERPTILE RELOCATION PLAN.
  - INSTALL PUMPED WATER FILTER BAG AND DEWATER WORK AREA.
  - EXCAVATE AND STOCKPILE SWALE EXCAVATION ON THE UNIMPROVED SECTIONS OF THE TRAIL AND ALLOW TO DRAIN THROUGH FILTER SOCK IF SATURATED. STOCKPILE STREAMBED SUBSTRATE MEETING SPECIFICATIONS SEPARATELY.
- REMOVE STOCKPILED SOILS TO PERMANENT STOCKPILE OR SPREAD ONSITE IF REQUIRED FOR GRADING WHEN SOIL IS DRY TO A POINT OF RELATIVE COHESIVENESS AND CAN BE TRANSPORTED WITHOUT SEEPAGE FROM DUMP BED. PLACE STOCKPILED STREMBED SUBSTRATE IN BOTTOM OF SWALE PER SPECIFICATION.
- FINAL GRADE THE SWALE AND TRAIL SUBGRADE UP TO BOTTOM OF SUBBASE.
- PLACE SEED AND MULCH ON ALL DISTURBED AREAS AND MATTING ON ALL AREAS WITH A 3:1 SLOPE OR STEEPER.
- REMOVE THE UPSTREAM DIVERSION DIKE AND KEEP THE DOWNSTREAM DIKE IN PLACE
- REPEAT STEP 2 WORKING DOWNSTREAM AND DEWATERING ONE SEGMENT AT A TIME THROUGHOUT REQUIRED LENGTH OF THE TRAIL.
- UPON COMPLETION OF STEP 2 AND COMPLETE TEMPORARY STABILIZATION OF SWALES REMOVE REMAINING DIKES, STOCKPILED SOILS, AND PLACE SUBBASE/MILLINGS AS REQUIRED.
- GRADE REMAINING PORTIONS OF TRAIL PER CONTRACT PLANS TO BOTTOM OF SUBBASE AND PLACE SUBBASE AS REQUIRED FOR STABILIZATION.
- UPON COMPLETION OF CONSTRUCTION ON THE TRAIL, GRADE AND CONSTRUCT THE TRAILHEAD UP TO SUBBASE.
- PLACE FINAL TRAIL SURFACING AND TRAILHEAD SURFACING. SEED AND STABILIZE AS REQUIRED.
- REMOVE ALL EROSION AND SEDIMENT POLLUTION CONTROL DEVICES AFTER COMPLETION OF THE TRAIL AND AT THE DIRECTION OF THE LANCASTER COUNTY CONSERVATION DISTRICT.

SOILS INFORMATION				
SYMBOL	NAME	LIMITATIONS		
		LOCAL ROADS, STREETS	SHALLOW EXCAVATIONS	LAWNS, AND LANDSCAPING
CbA	CHESTER SILT LOAM, 0 TO 3 PERCENT SLOPES	VERY LIMITED LOW STRENGTH (1.00) FROST ACTION (0.50)	SOMEWHAT LIMITED DUSTY (0.04) UNSTABLE EXCAVATION WALLS (0.01)	SOMEWHAT LIMITED LOW EXCHANGE CAPACITY (0.75) DUSTY (0.04)
CbB	CHESTER SILT LOAM, 3 TO 8 PERCENT SLOPES	VERY LIMITED LOW STRENGTH (1.00) FROST ACTION (0.50)	SOMEWHAT LIMITED DUSTY (0.04) UNSTABLE EXCAVATION WALLS (0.01)	SOMEWHAT LIMITED LOW EXCHANGE CAPACITY (0.75) DUSTY (0.04)
CbC	CHESTER SILT LOAM, 8 TO 15 PERCENT SLOPES	VERY LIMITED LOW STRENGTH (1.00) SLOPE (0.63) FROST ACTION (0.50)	SOMEWHAT LIMITED SLOPE (0.63) DUSTY (0.04) UNSTABLE EXCAVATION WALLS (0.01)	SOMEWHAT LIMITED LOW EXCHANGE CAPACITY (0.75) SLOPE (0.63) DUSTY (0.04)
GbC	GLENELG SILT LOAM, 8 TO 15 PERCENT SLOPES	VERY LIMITED LOW STRENGTH (1.00) SLOPE (0.63) FROST ACTION (0.50)	SOMEWHAT LIMITED SLOPE (0.63) DUSTY (0.04) UNSTABLE EXCAVATION WALLS (0.01)	SOMEWHAT LIMITED LOW EXCHANGE CAPACITY (0.75) SLOPE (0.63) DUSTY (0.04)
GdB	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	VERY LIMITED DEPTH TO THICK CEMENTED PAN (1.00) DEPTH TO THIN CEMENTED PAN (1.00) LOW STRENGTH (1.00) DEPTH TO SATURATED ZONE (0.56) FROST ACTION (0.50)	VERY LIMITED DEPTH TO SATURATED ZONE (1.00) DUSTY (0.03) UNSTABLE EXCAVATION WALLS (0.01)	SOMEWHAT LIMITED DEPTH TO SATURATED ZONE (0.56) LOW EXCHANGE CAPACITY (0.50) DUSTY (0.03)
MaC	MANOR SILT LOAM, 8 TO 15 PERCENT SLOPES	SOMEWHAT LIMITED SLOPE (0.63) FROST ACTION (0.50)	SOMEWHAT LIMITED SLOPE (0.63) DUSTY (0.04) UNSTABLE EXCAVATION WALLS (0.01)	SOMEWHAT LIMITED LOW EXCHANGE CAPACITY (0.75) SLOPE (0.63) DUSTY (0.04)
Nd	NEWARK SILT LOAM, SCHIST SUBSTRATUM	VERY LIMITED FROST ACTION (1.00) FLOODING (1.00) DEPTH TO SATURATED ZONE (0.99) LOW STRENGTH (0.67)	VERY LIMITED DEPTH TO SATURATED ZONE (1.00) FLOODING (0.60) DUSTY (0.09) UNSTABLE EXCAVATION WALLS (0.01)	SOMEWHAT LIMITED DEPTH TO SATURATED ZONE (0.99) FLOODING (0.60) LOW EXCHANGE CAPACITY (0.50) DUSTY (0.09)

ONSITE INVESTIGATION MAY BE NEEDED TO VALIDATE THE INTERPRETATIONS IN THIS TABLE AND TO CONFIRM THE IDENTITY OF THE SOIL ON A GIVEN SITE. THE NUMBERS IN PARENTHESIS RANGE FROM 0.01 TO 1.00. THE LARGER THE VALUE, THE GREATER THE POTENTIAL LIMITATION. THE TABLE SHOWS ONLY THE TOP FIVE LIMITATIONS FOR ANY GIVEN SOIL. THE SOIL MAY HAVE ADDITIONAL LIMITATIONS.

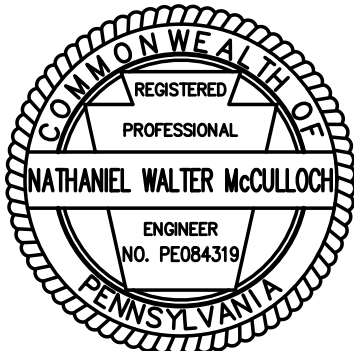
DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	25 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

TEMPORARY SEEDING AND MULCHING

- PREPARE SOIL SURFACE IN ACCORDANCE WITH PUB. 408, SECTION 804.
- SOW ANNUAL RYE GRASS (PENNDOT FORMULA E) AT THE RATE OF 48.4 LBS. PER ACRE (TEN LBS. PER 1,000 SY) BY THE HYDRAULIC PLACEMENT, BROADCASTING, DRILLING, OR HAND SEEDING METHODS.
- PROVIDE MULCHING IN ACCORDANCE WITH PENNDOT PUB. 408 SECTION 805.
- TEMPORARY SEEDING MAY BE PERFORMED BETWEEN MARCH 15 TO OCTOBER 15.

PERMANENT SEEDING AND MULCHING

- PROVIDE THE FOLLOWING SEEDING MIXTURE (REFER TO PUB. 408, SECTION 804 FOR SEED SPECIES):  
**FORMULA D:** RESTORATION/ALL OTHER DISTURBED AREAS  
APPLICATION RATE (LB/1000SY): 50  
FERTILIZER TYPE: 10-20-20  
FERTILIZER RATE (LB/1000SY): 140  
LIMING TYPE: AGRICULTURAL GRADE  
LIMING RATE (LB/1000SY): 800  
MULCHING TYPE: STRAW OR HAY  
MULCHING RATE: (LB/1000SY) 1200  
SEEDING DATES: 3/15 TO 6/1 AND 8/1 TO 10/15  
**FORMULA W:** SWALES, RETENTIVE GRADING AND BASIN  
APPLICATION RATE (LB/1000SY): 15  
FERTILIZER TYPE: 10-20-20  
FERTILIZER RATE (LB/1000SY): 140  
LIMING TYPE: AGRICULTURAL GRADE  
LIMING RATE (LB/1000SY): 800  
MULCHING TYPE: STRAW OR HAY  
MULCHING RATE: (LB/1000SY) 1200  
SEEDING DATES: 4/1 TO 6/15 AND 8/16 TO 9/15
- REFER TO PUB. 408, SECTION 804 FOR SITE PREPARATION, SEEDING METHODS, WEED CONTROL, ETC.
- INSPECT SEEDED AREAS WEEKLY AND AFTER EACH RAINFALL EVENT, ERODED AREAS ARE TO HAVE TOPSOIL REPLACED, SEED RESOWN AND MULCH REAPPLIED.
- REFER TO PUB. 408, SECTION 805 FOR THE REQUIREMENTS FOR FURNISHING, PLACING, ANCHORING AND MAINTAINING MULCH COVER.
- STRAW MULCH WILL BE APPLIED OVER SEEDED AREAS NO LATER THAN 48 HOURS AFTER SEEDING.
- SPREAD MULCH UNIFORMLY, IN A CONTINUOUS BLANKET.
- MULCH MAY BE SPREAD BY HAND OR WITH AN ACCEPTABLE MECHANICAL BLOWER.





E&S BMP MAINTENANCE NOTES

COMPOST FILTER SOCK:

1. THE CONTRACTOR SHALL REMOVE SEDIMENT AT THE BASE OF THE UPSLOPE SIDE OF THE COMPOST FILTER SOCK WHEN ACCUMULATION HAD REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE COMPOST FILTER SOCK OR AS DIRECTED BY THE COUNTY CONSERVATION DISTRICT. ALTERNATIVELY, A NEW COMPOST FILTER SOCK MAY BE PLACED ON TOP OF AND SLIGHTLY BEHIND THE ORIGINAL ONE CREATING MORE SEDIMENT STORAGE CAPACITY WITHOUT SOIL DISTURBANCE.
2. PLACE COMPOST FILTER SOCK ON LEVEL GRADE. EXTEND BOTH ENDS OF THE COMPOST FILTER SOCK AT LEAST 8’–0” UPSLOPE AT 45 DEGREES TO THE MAIN ALIGNMENT,
3. THE CONTRACTOR SHALL MAINTAIN THE COMPOST FILTER SOCK IN A FUNCTIONAL CONDITION AT ALL TIMES AND SHALL BE ROUTINELY INSPECTED. IF THE COMPOST FILTER SOCK HAS BEEN DAMAGED, IT SHALL BE REPAIRED, OR REPLACED IF BEYOND REPAIR.
4. WHERE USED, REPLACE BIODEGRADABLE FILTER SOCK AFTER 6 MONTHS; PHOTODEGRADABLE AFTER 12 MONTHS. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
5. COMPOST FILTER SOCK SHALL BE MAINTAINED UNTIL DISTURBED AREA ABOVE THE DEVICE HAS BEEN PERMANENTLY STABILIZED AND CONSTRUCTION ACTIVITY HAS CEASED.
6. THE CONTENTS OF THE SOCK WILL BE DISPERSED ON THE SITE ONCE DISTURBED AREA HAS BEEN PERMANENTLY STABILIZED, CONSTRUCTION ACTIVITY HAS CEASED, OR AS DETERMINED BY THE LANCASTER COUNTY CONSERVATION DISTRICT.

PUMPED WATER FILTER BAG:

1. LOCATE BAG IN LEVEL AREAS (LESS THAN 5% GRADE). WHEN LEVEL AREAS ARE NOT AVAILABLE, PLACE AASHTO NO 57. COARSE AGGREGATE TO LEVEL THE BAG.
2. LOCATE BAG IN A WELL VEGETATED AREA. DISCHARGE ONTO A STABLE, EROSION RESISTANT AREA. WHEN VEGETATED AREA IS NOT AVAILABLE, PROVIDE A GEOTEXTILE (CLASS 4, TYPE A) LINED FLOW PATH TO A STABLE EROSION RESISTANT RECEIVING WATER COURSE OR A WELL VEGETATED AREA.
3. LOCATE BAG IN AN AREA ACCESSIBLE BY EQUIPMENT FOR MAINTENANCE AND REMOVAL PURPOSES.
4. DO NOT INSERT MORE THAN ONE HOSE INTO A BAG.
5. REPLACE THE BAG WHEN 50% OF THE SEDIMENT CAPACITY HAS BEEN FILLED AND/OR WHEN THERE IS A FAILURE.
6. REMOVE AND PROPERLY DISPOSE OF THE PUMPED WATER FILTER BAGS. RESTORE THE AREA IN ACCORDANCE WITH THE SPECIFICATIONS IN PUBLICATION 408. DO NOT CUT FILTER BAG OR DISTRIBUTE AND SEED SEDIMENT.
7. DO NOT PERMIT DISCHARGE FROM THE BAG TO DRAIN BACK INTO WORK OR ACCESS AREAS OF THE PROJECT.
8. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR HALF THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS.
9. BAGS SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS

ROLLED EROSION CONTROL PRODUCT, TYPE 2D:

1. SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE RECP.
2. MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH PUB. 408 SECTION 806.
3. PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
4. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLOUDS, STICKS, AND GRASS.
5. RECP SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY RECP LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH RECP.
6. THE RECP SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
7. RECP AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE RECP AREA. DAMAGED OR DISPLACED RECP SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.
8. ALL SLOPES 3:1 OR STEEPER SHALL BE PROTECTED WITH ROLLED EROSION CONTROL PRODUCT (RECP).

ROCK CONSTRUCTION ENTRANCE WITH WASH RACK:

1. ROCK CONSTRUCTION ENTRANCES WITH WASH RACKS SHOULD BE MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK WHEN NECESSARY AT THE END OF EACH WORKDAY. A STOCKPILE OF ROCK MATERIAL SHOULD BE MAINTAINED ON SITE FOR THIS PURPOSE.
2. SEDIMENT DEPOSITED ON PAVED ROADWAYS SHOULD BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.
3. DAMAGED WASH RACKS SHOULD BE REPAIRED AS NECESSARY TO MAINTAIN THEIR EFFECTIVENESS.
4. WASH RACK SHALL BE 20 FEET (MIN.) WIDE OR TOTAL WIDTH OF ACCESS.
5. WASH RACK SHALL BE DESIGNED AND CONSTRUCTED TO ACCOMMODATE ANTICIPATED CONSTRUCTION VEHICULAR TRAFFIC.
6. A WATER SUPPLY SHALL BE MADE AVAILABLE TO WASH THE WHEELS OF ALL VEHICLES EXITING THE SITE.
7. MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE OF ROCK MATERIAL SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. DRAIN SPACE UNDER WASH RACK SHALL BE KEPT OPEN AT ALL TIMES. DAMAGE TO THE WASH RACK SHALL BE REPAIRED PRIOR TO FURTHER USE OF THE RACK. ALL SEDIMENT DEPOSITED ON ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

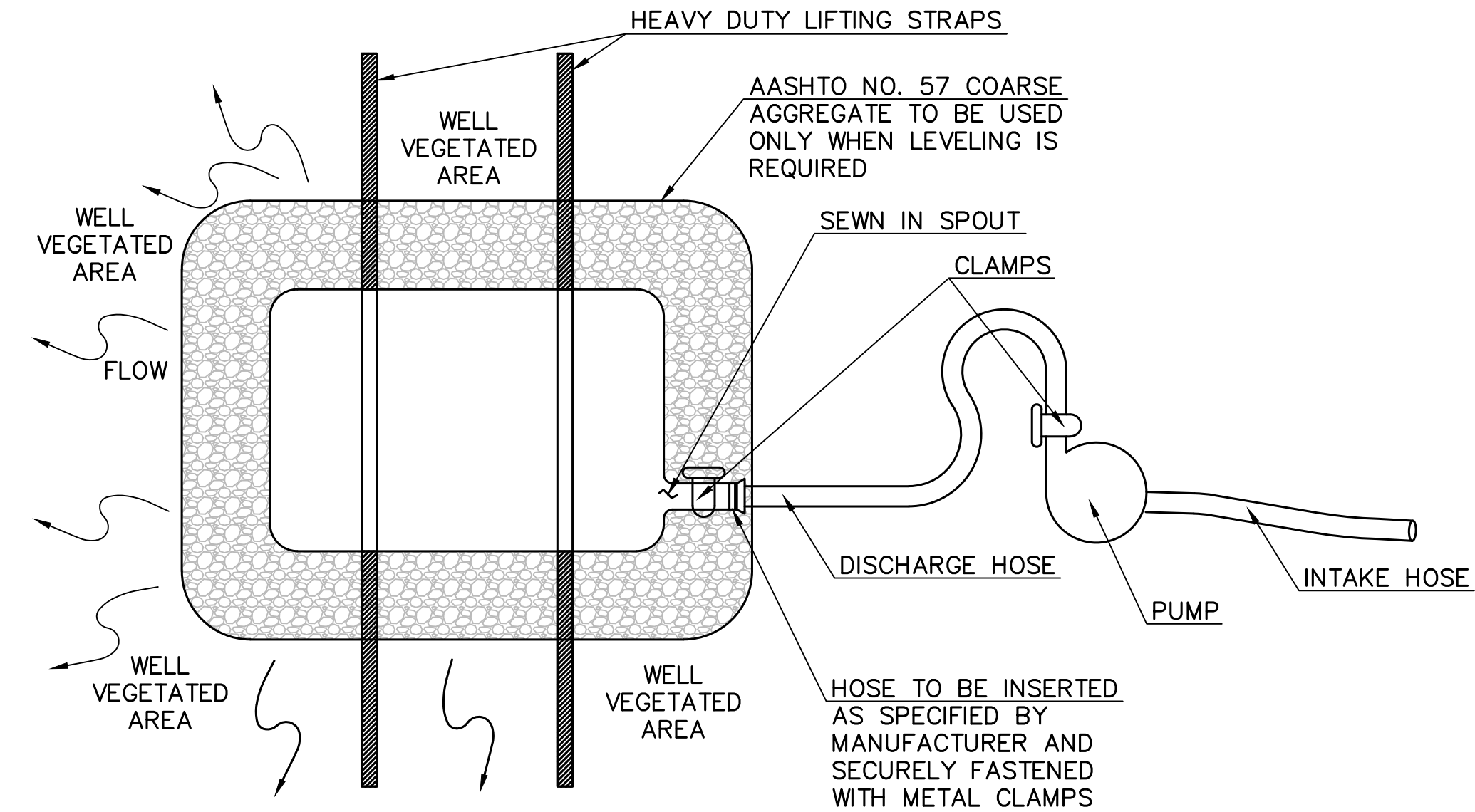
TYPICAL WOOD MAT FOR ACCESS:

1. TEMPORARY CROSSINGS SHOULD BE CONSTRUCTED FROM MATERIALS THAT CAN BE PLACED WITH A MINIMUM DISTURBANCE TO THE SOIL SURFACE AND COMPLETELY REMOVED WHEN NO LONGER NEEDED.
2. SIMILAR WOOD MATS OR SYSTEMS WILL BE REVIEWED AND APPROVED BY THE OWNER’S REPRESENTATIVE.

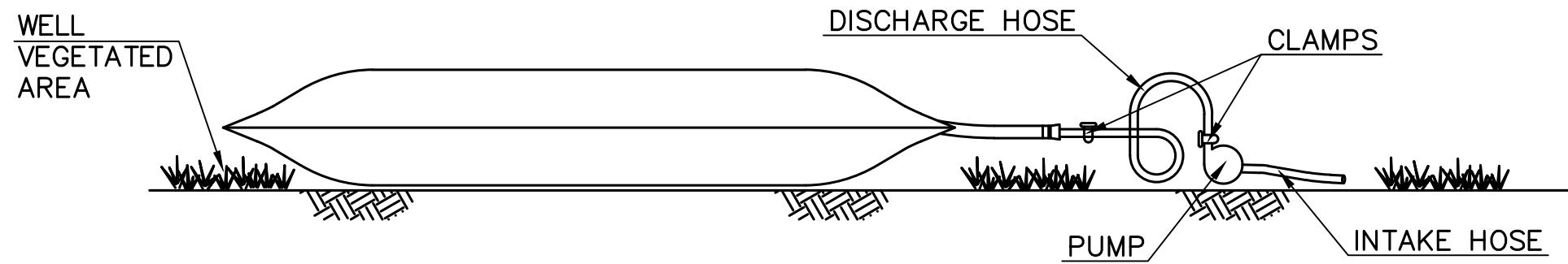
STREAM DIVERSION – PUMPED BYPASS:

1. DO NOT USE STREAM DIVERSION – PUMPED BYPASS, FOR BYPASSES LASTING MORE THAN TWO (2) WEEKS PER PHASE OF CONSTRUCTION.
2. DO NOT EXCAVATE A SUMP AREA WITHIN THE STREAM CHANNEL FOR THE PUMP INTAKE.
3. CONSTRUCT TEMPORARY DAM (INTAKE) TO IMPOUND WATER FOR THE PUMP INTAKE.
4. CONSTRUCT TEMPORARY DAM (DISCHARGE) TO PREVENT BACKFLOW INTO THE WORK AREA.
5. USE DIVERSION DIKE SYSTEM, SHOWN ON THIS SHEET, FOR THE TEMPORARY DAM (INTAKE) AND TEMPORARY DAM (DISCHARGE).
6. CONTRACTOR IS TO BYPASS SECTIONS OF WATERCOURSE 6 TO ALLOW FOR SWALE CONSTRUCTION TO OCCUR IN THE DRY. 100’ SECTIONS OR LONGER (BASED ON THE CONTRACTORS EXPERIENCE) ARE ANTICIPATED.

COMPOST STANDARDS	
ORGANIC MATTER CONTENT	25% – 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 – 8.5
MOISTURE CONTENT	30% – 60%
PARTICLE SIZE	30% – 50% PASS THROUGH 3/8” SIEVE
SOLUBLE SALT CONCENTRATION	5.0 dS/m (mmhos/cm) MAXIMUM

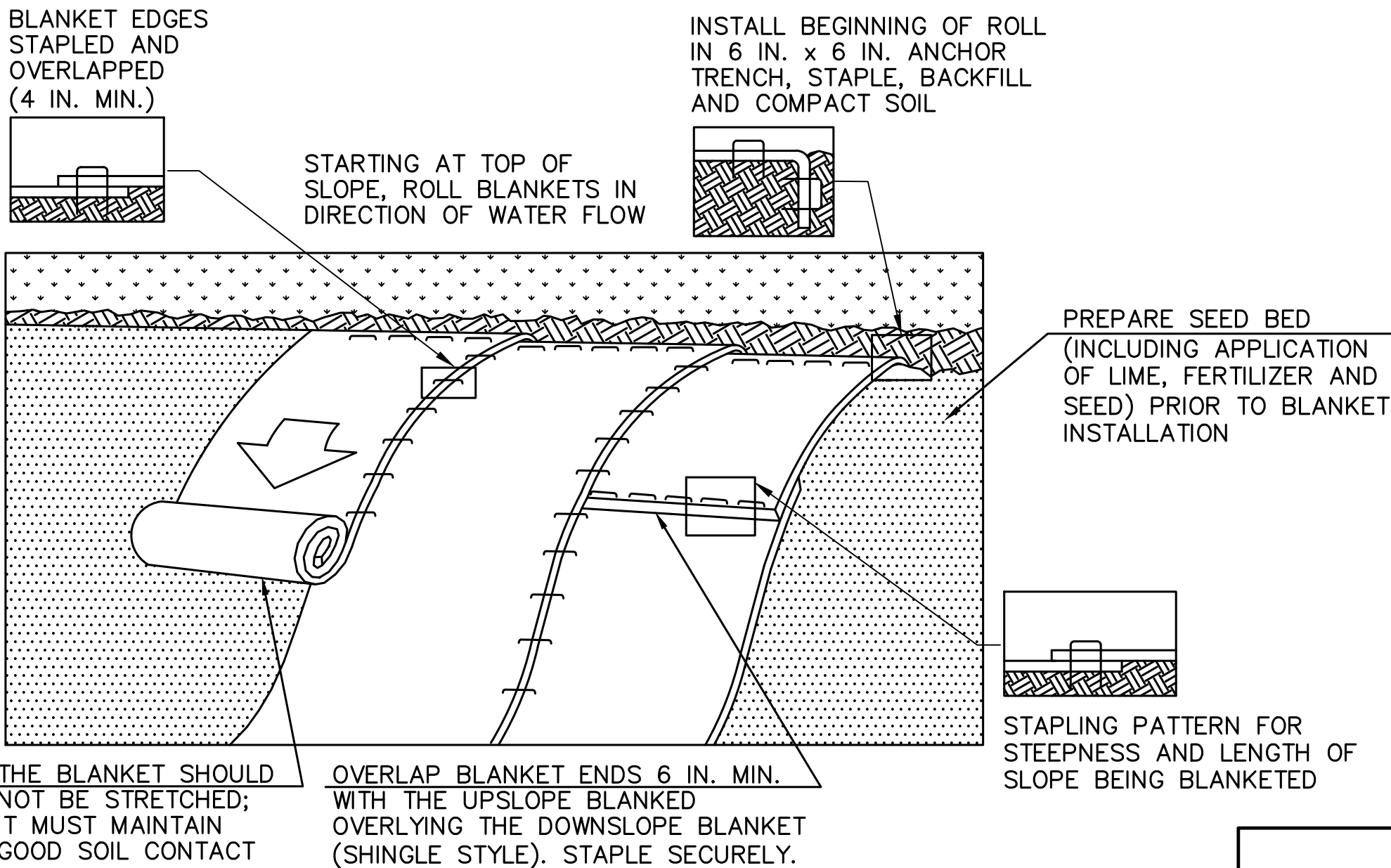


TOP VIEW

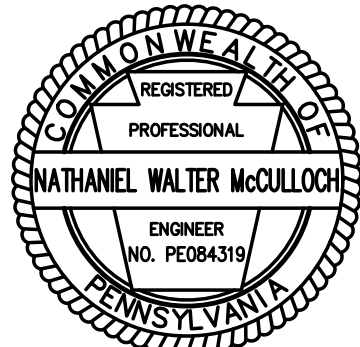


SIDE VIEW

PUMPED WATER FILTER BAG  
NOT TO SCALE

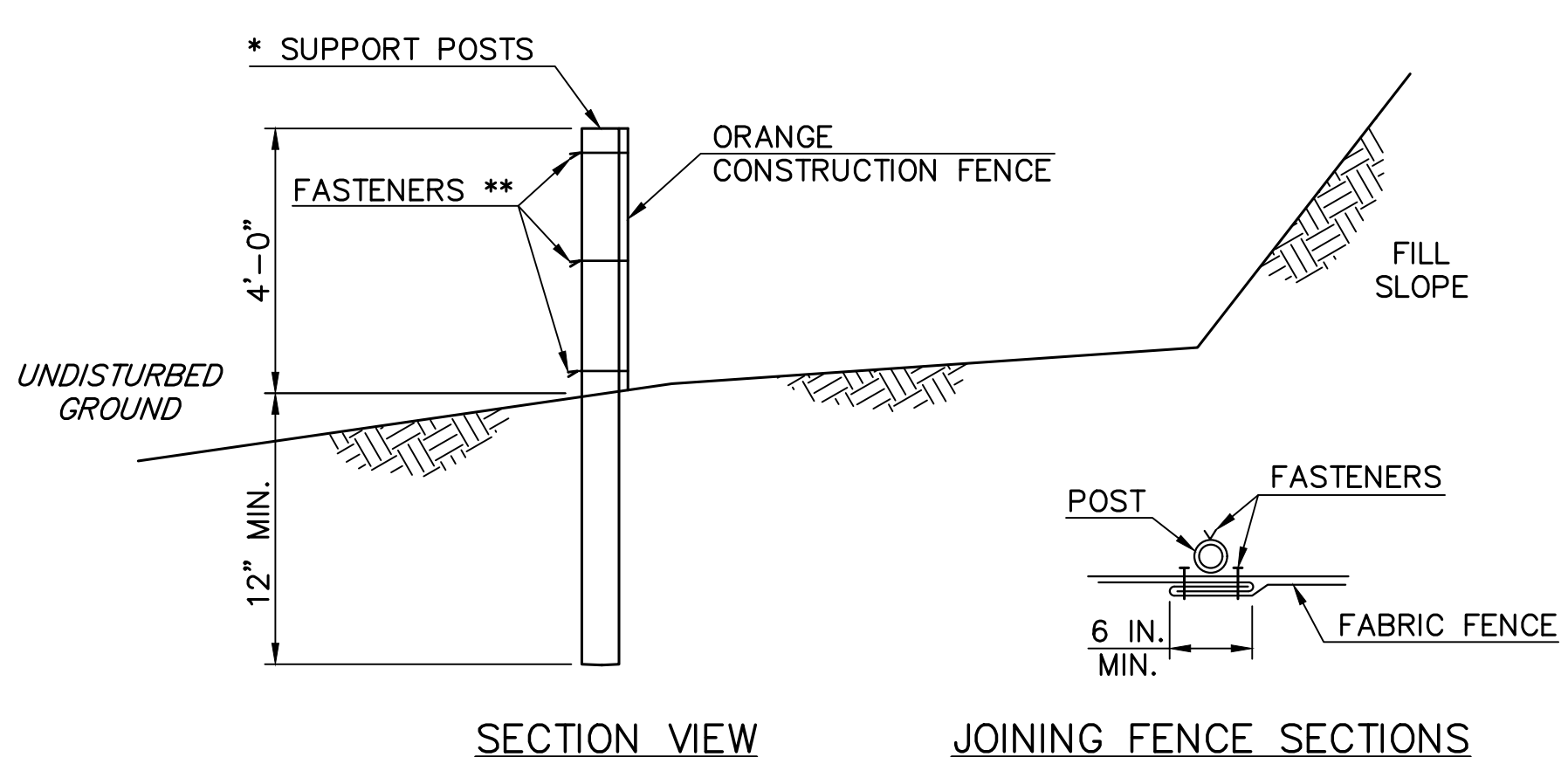
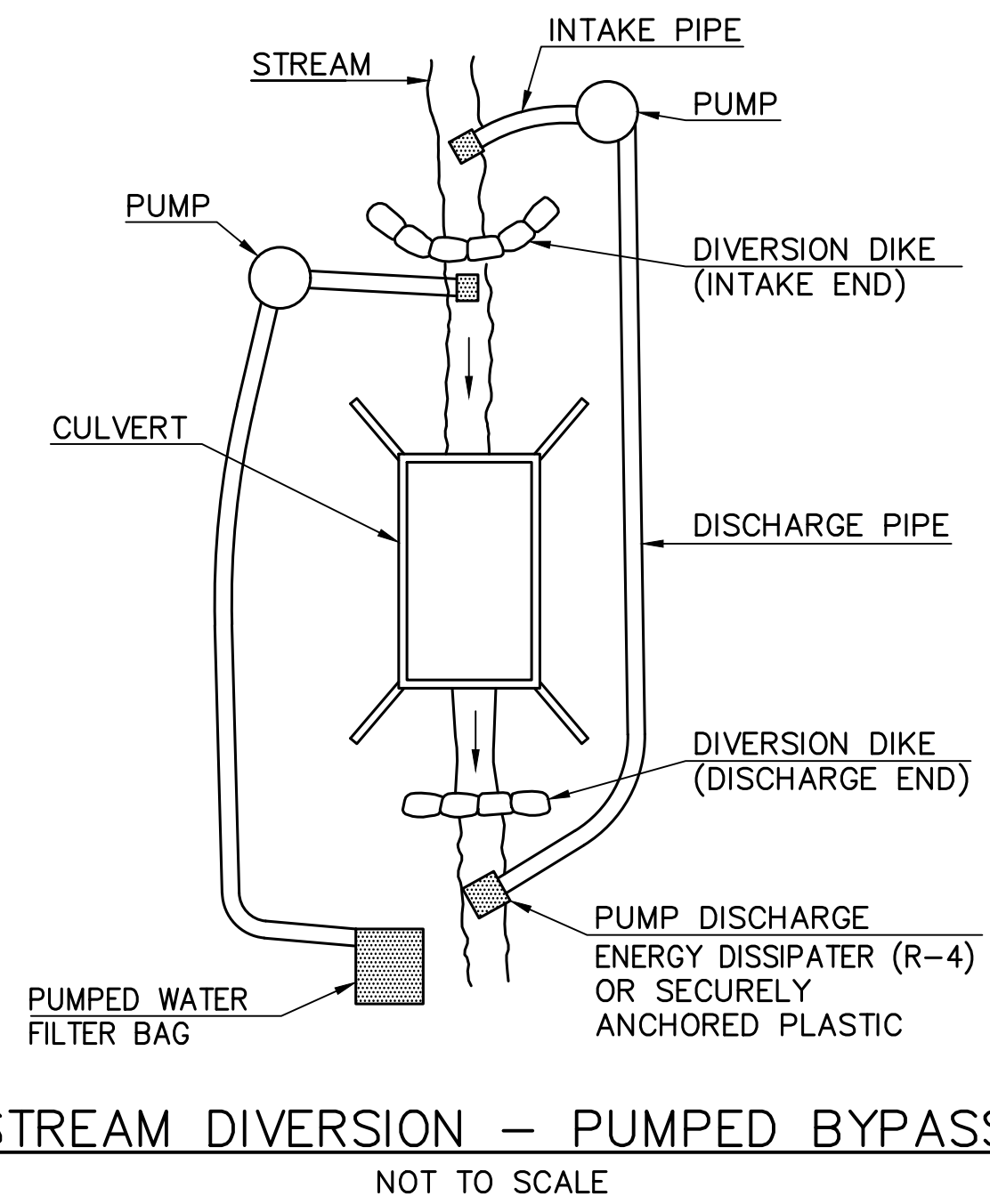
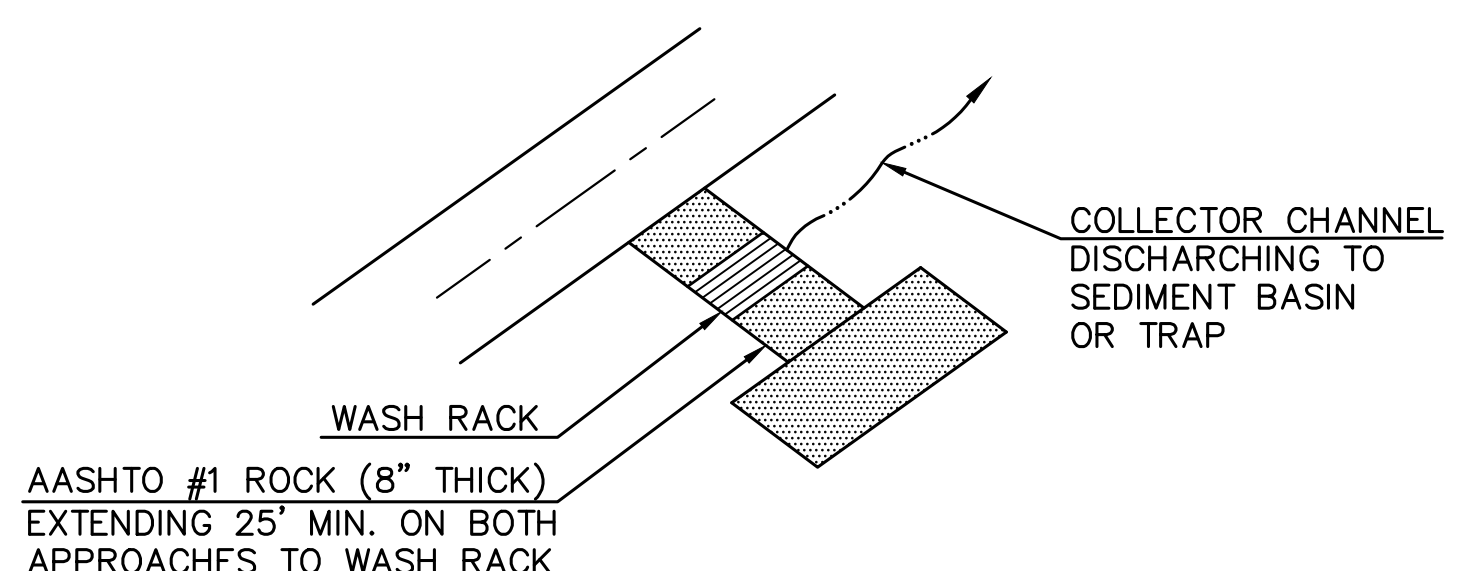
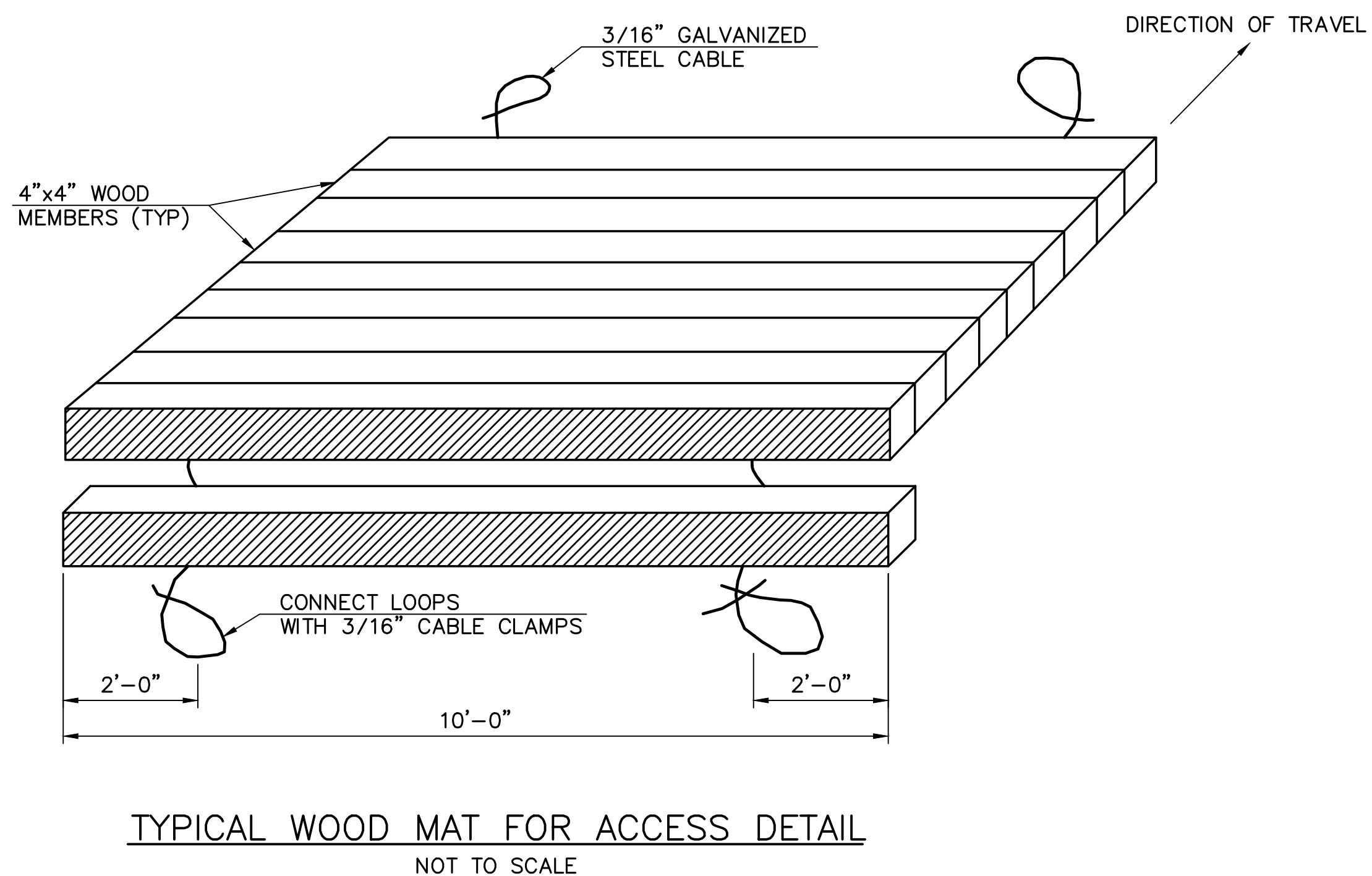
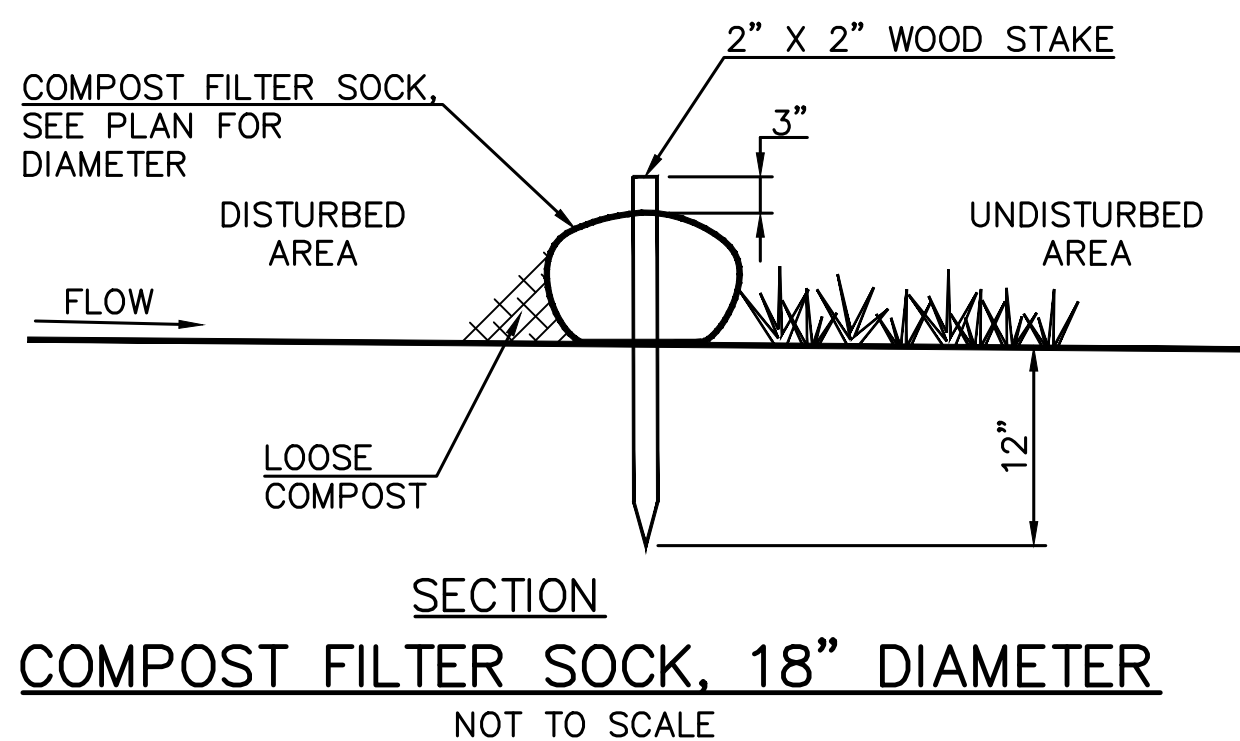
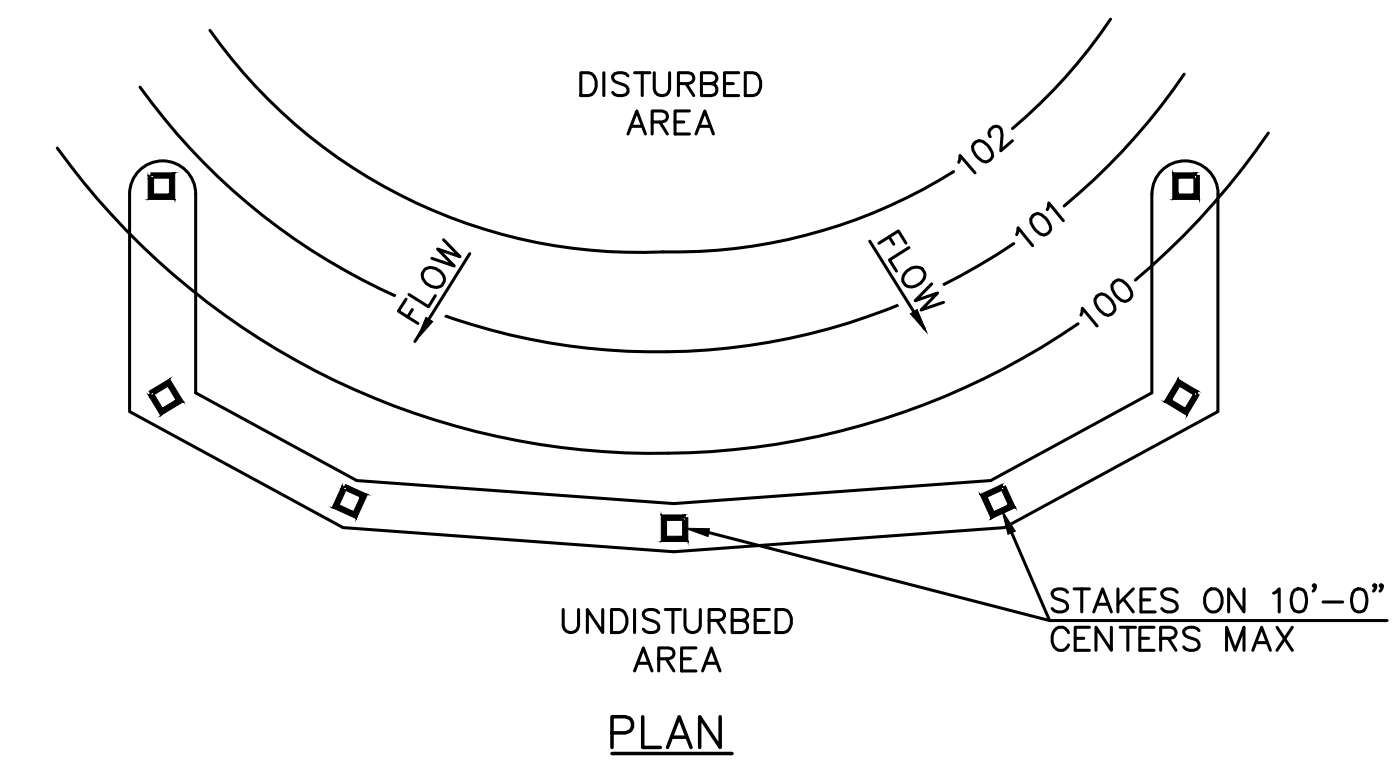


ROLLED EROSION CONTROL PRODUCT, TYPE 2D  
NOT TO SCALE

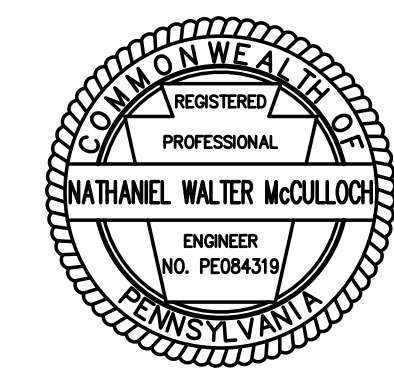




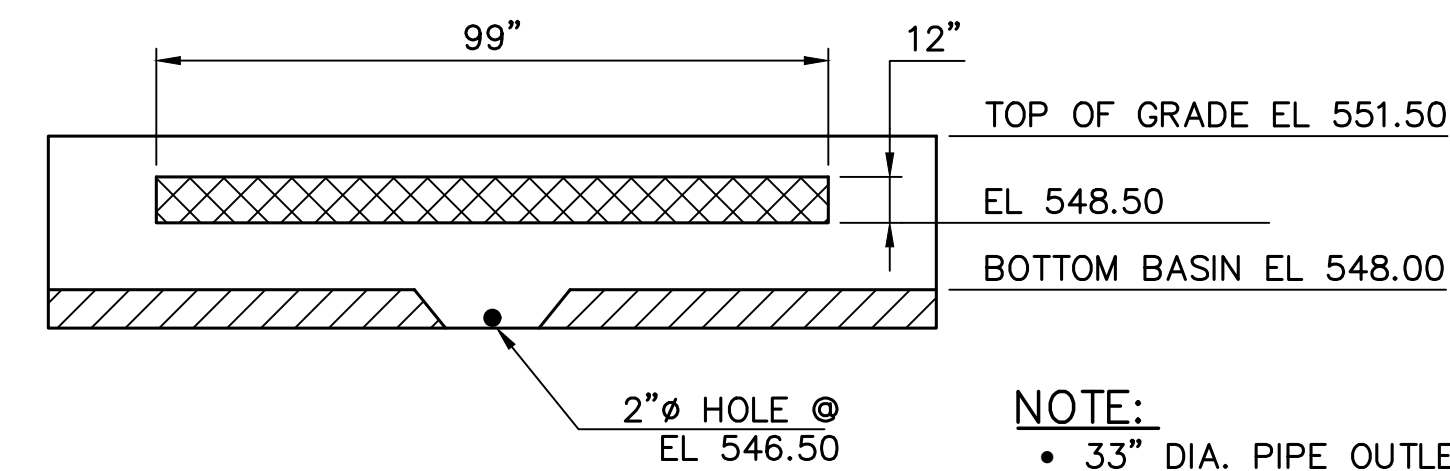
DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	27 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



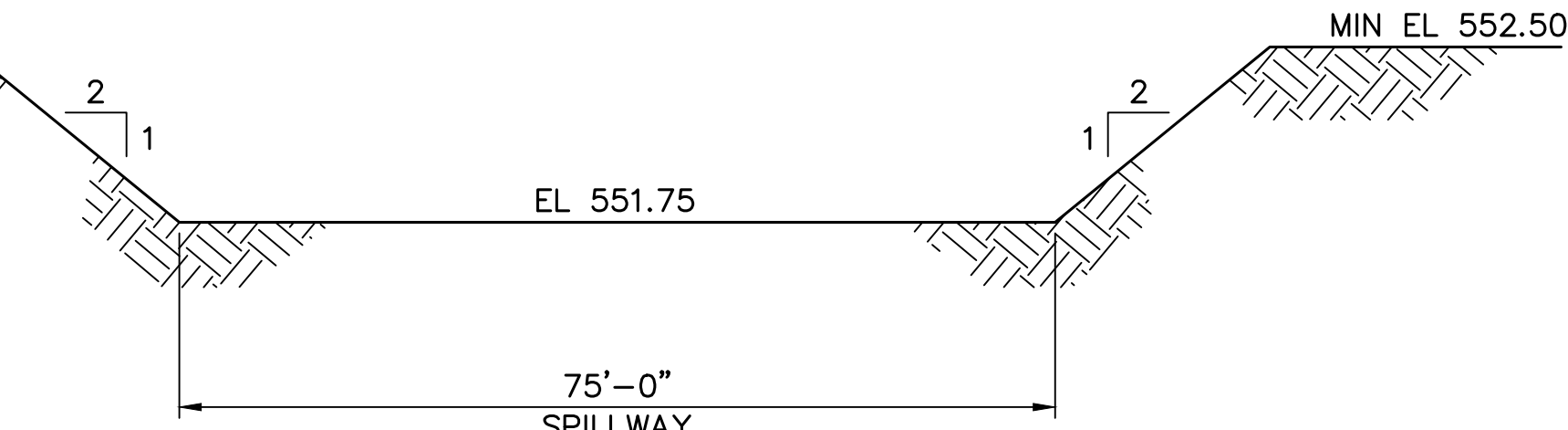
NOTES:  
\* POSTS SPACED AT 6' MAX. USE "T" OR "U" METAL POSTS DRIVEN INTO THE GROUND TO A DEPTH OF 12 TO 18 INCHES.  
\*\* ORANGE FENCE TO POST FASTENERS SPACED EVENLY. USE NO. 9 GA. ALUMINUM WIRE OR NO. 9 GALVANIZED STEEL WIRE.



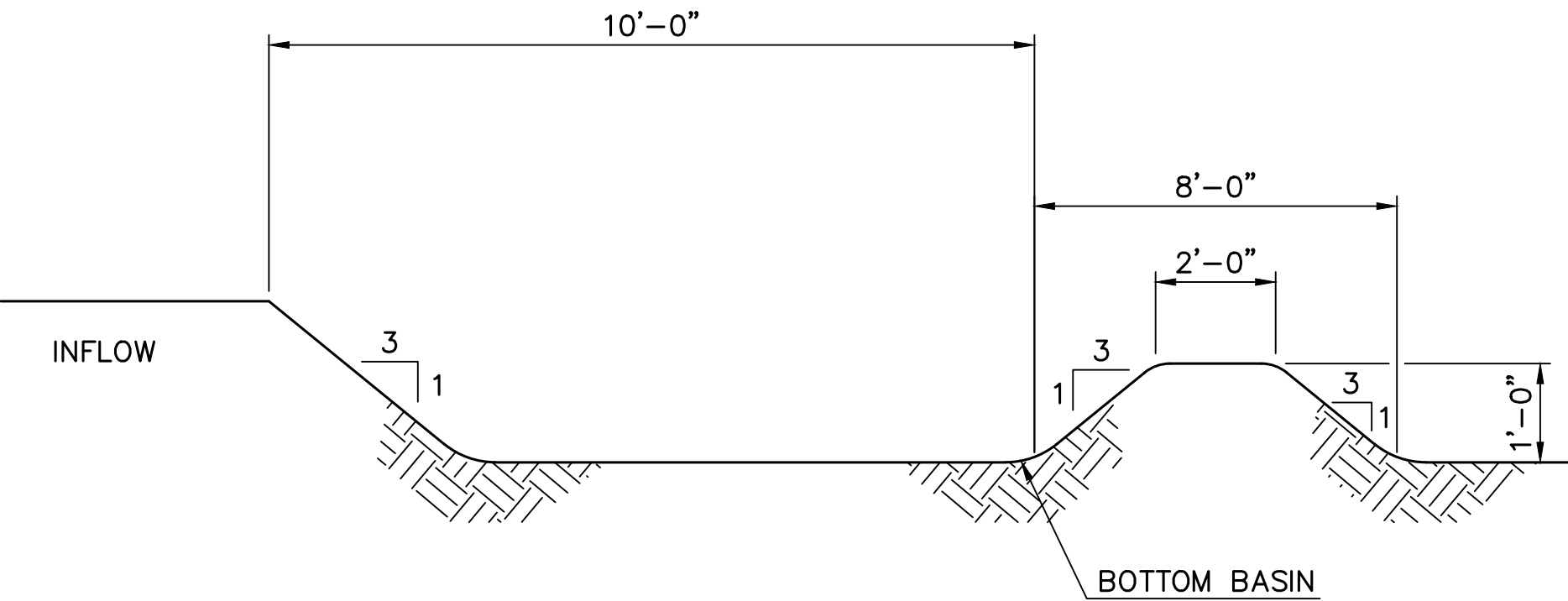
DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	28 OF 28	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
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WC2 OUTLET STRUCTURE DETAIL  
NOT TO SCALE



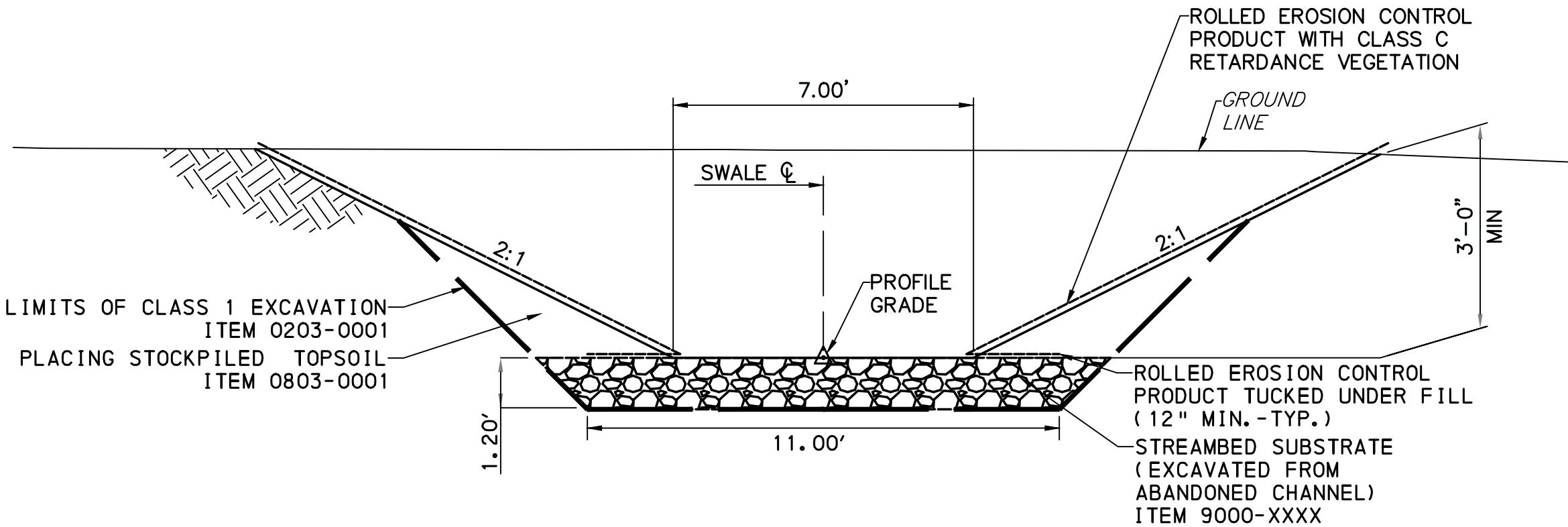
WC2 SPILLWAY DETAIL  
NOT TO SCALE  
\*\*SEE MAINTENANCE NOTE ON SHEET 26\*\*



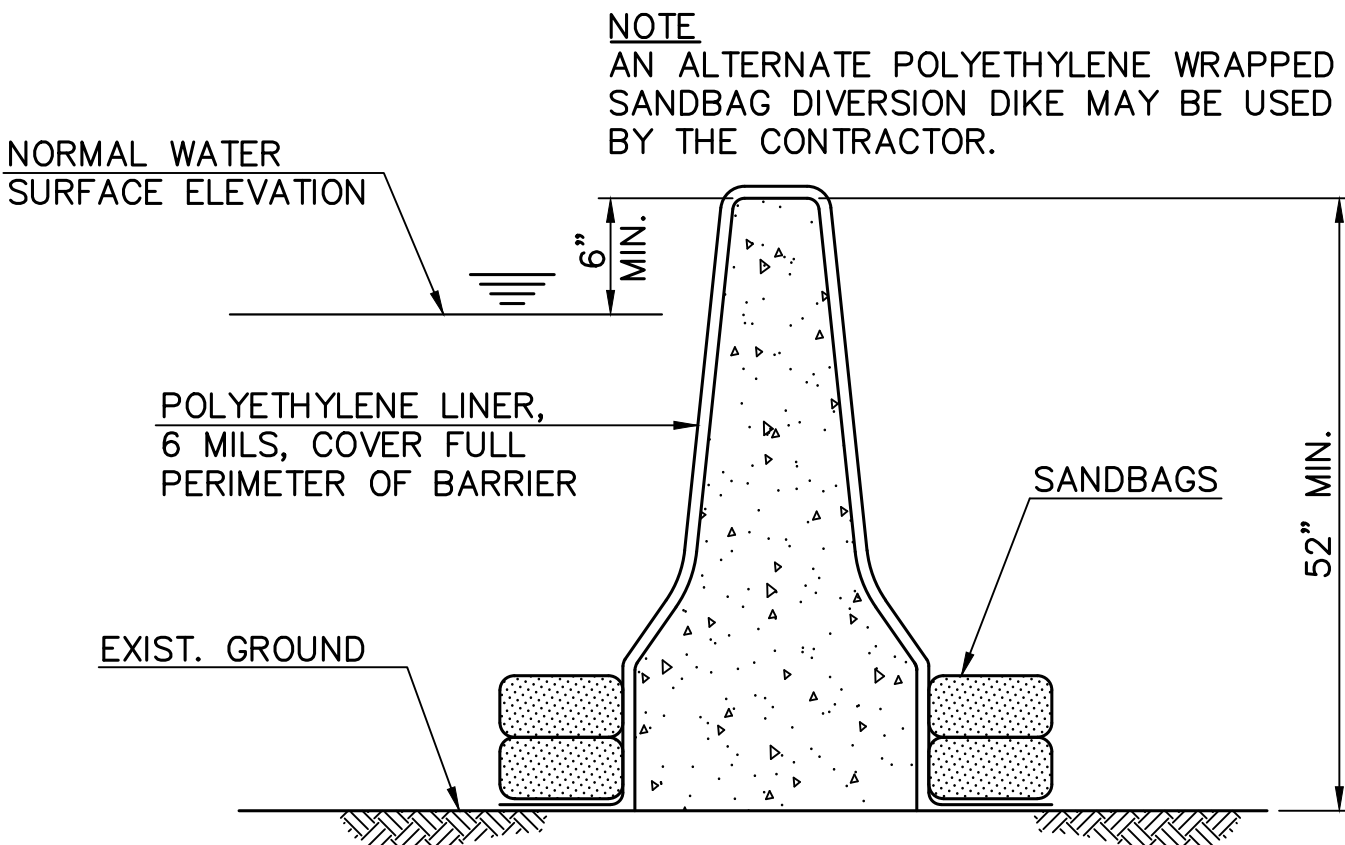
WC2 SEDIMENT FOREBAY DETAIL  
NOT TO SCALE  
\*\*SEE MAINTENANCE NOTE ON SHEET 26\*\*

WATERCOURSE TREATMENT OF BEDROCK:

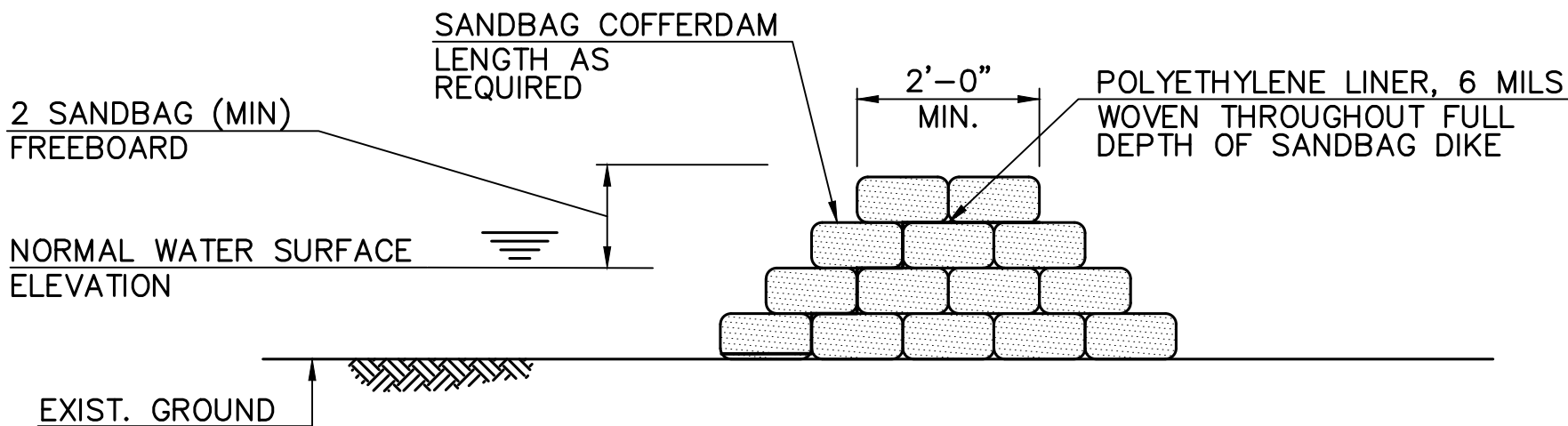
1. IF BEDROCK IS ENCOUNTERED WITHIN THE LIMITS OF CLASS 1 OR CLASS 2 EXCAVATION, IMMEDIATELY NOTIFY THE ENGINEER OR THEIR REPRESENTATIVE.
2. IF SOUND COMPETENT BEDROCK IS WITHIN THE PROPOSED AREA OF STREAMBED SUBSTRATE, CEASE EXCAVATION AND PLACE STREAMBED SUBSTRATE TO FORM THE CHANNEL BOTTOM.
3. IF SOUND COMPETENT BEDROCK IS ENCOUNTERED ABOVE THE PROPOSED AREA OF STREAMBED SUBSTRATE WITHIN THE LIMITS OF CLASS 1 OR CLASS 2 EXCAVATION, REMOVE BEDROCK DOWN TO THE PROPOSED TOP OF STREAMBED SUBSTRATE AND LEAVE EXPOSED IN A ROUGHENED CONDITION (4" NOMINAL ROUGHNESS) TO FORM THE CHANNEL BOTTOM.
4. IF SOUND COMPETENT BEDROCK IS ENCOUNTERED ON THE SIDE SLOPES, EXCAVATE TO PROPOSED GRADE AND LEAVE BEDROCK EXPOSED IN A ROUGHENED CONDITION (4" NOMINAL ROUGHNESS).



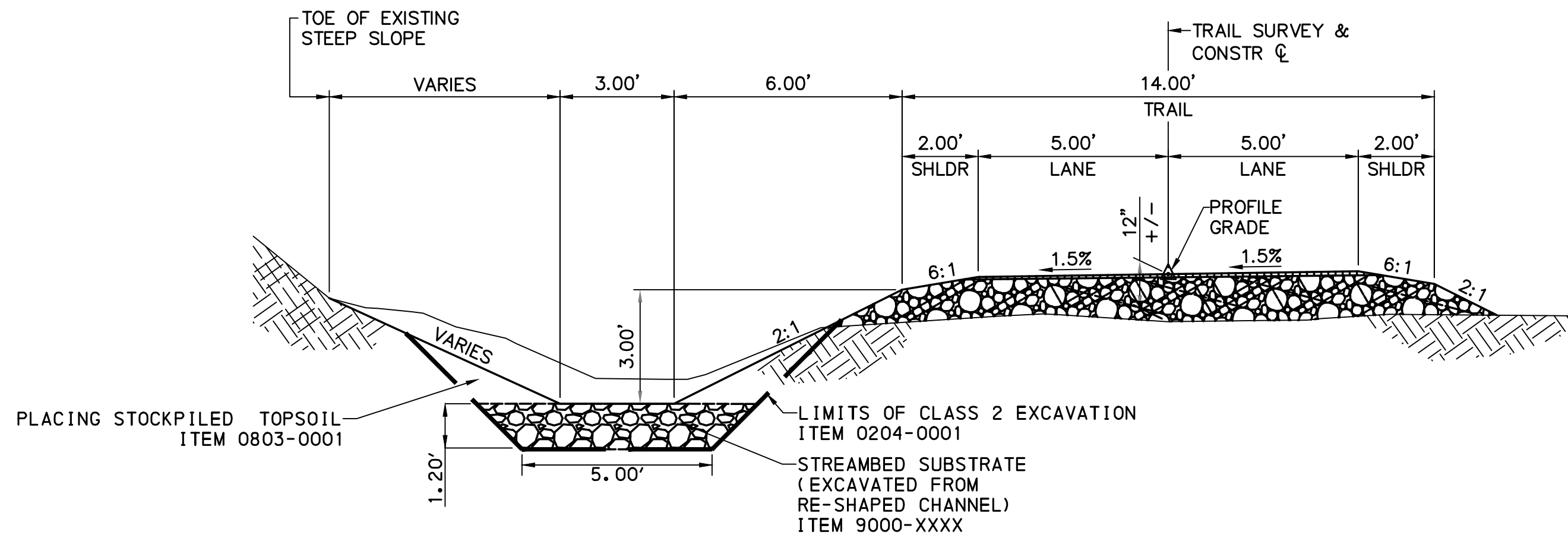
RELOCATED WATERCOURSE 1 TYPICAL SECTION  
NOT TO SCALE  
(SEE PLANS FOR LOCATIONS)



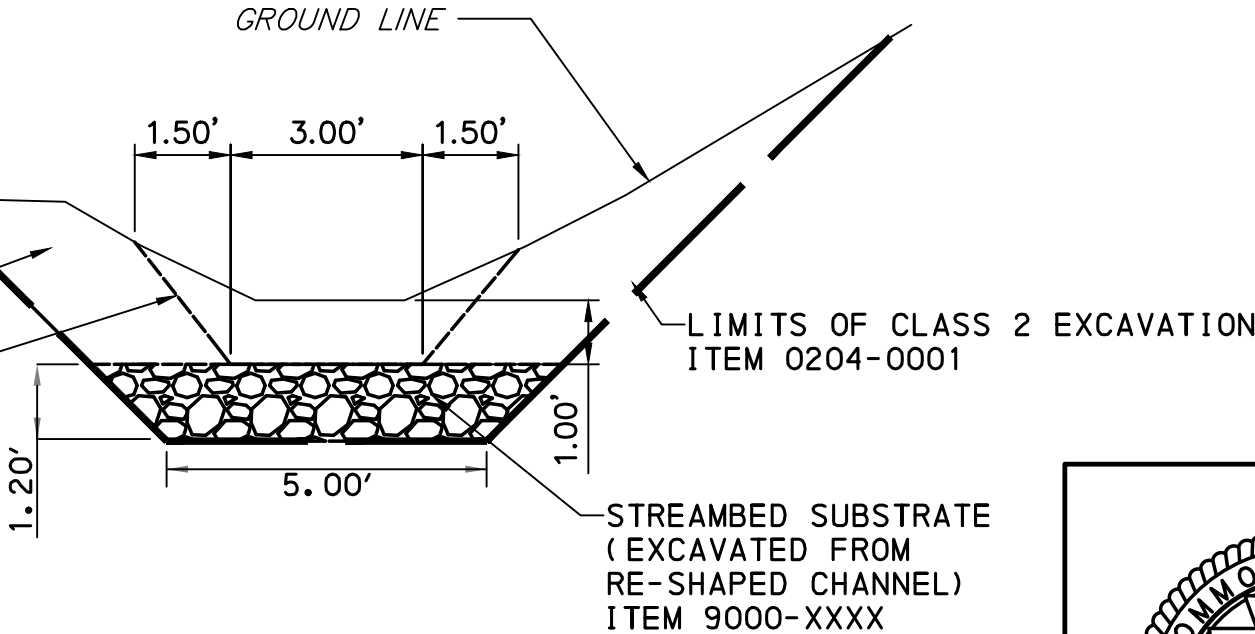
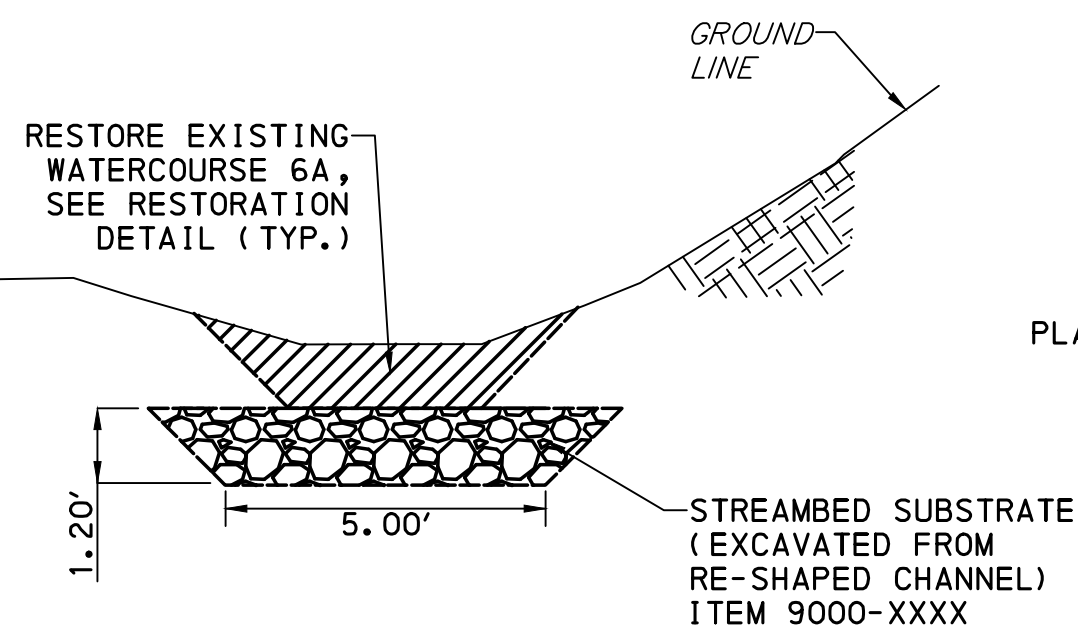
TYPICAL SECTION - DIVERSION DIKE SYSTEM  
NOT TO SCALE



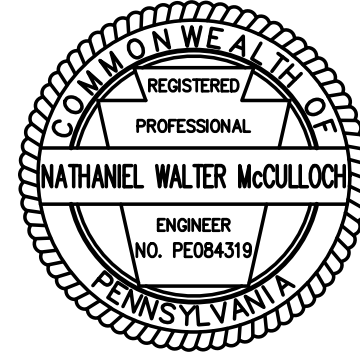
TYPICAL SECTION - ALTERNATE DIVERSION DIKE SYSTEM  
NOT TO SCALE



WATERCOURSE 6A & 6B TYPICAL SECTION  
NOT TO SCALE



RESTORATION DETAIL  
NOT TO SCALE





DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	1 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

ENOLA LOW GRADE TRAIL

DRAWINGS

FOR

IMPACT PLANS - NOVEMBER 2021

IN EDEN TOWNSHIP, BART TOWNSHIP, AND QUARRYVILLE BOROUGH

LANCASTER COUNTY, PENNSYLVANIA

FROM STA 90+50.00 TO STA 249+50.00 LENGTH 15,777.06 FEET 2.988 MI

TOTAL PROJECT AREA:

TOTAL - (931,392 SF = 21.38 ACRES)

PROPOSED CHAPTER 102 NPDES DISTURBANCE:

TOTAL - (249,799 SF = 5.74 ACRES)

PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES:

TOTAL - (312,800 SF = 7.18 ACRES)

PROPOSED CHAPTER 105 PERMITTED ACTIVIES:

TOTAL - (368,793 SF = 8.47 ACRES)

- PERMANENT STREAM - (11,791 LF : 34,776 SF = 0.80 ACRES)
- WC 1 - 413 LF : 1,652 SF = 0.04 ACRES
  - WC 2 - 600 LF : 2,280 SF = 0.05 ACRES
  - WC 4 - 14 LF : 56 SF = 0.001 ACRES
  - WC 5 - 14 LF : 140 SF = 0.003 ACRES
  - WC 6A - 5,359 LF : 17,165 SF = 0.39 ACRES
  - WC 6B - 5,377 LF : 13,427 SF = 0.31 ACRES
  - WC 7 - 14 LF : 56 SF = 0.001 ACRES

- TEMPORARY STREAM - (64 LF : 442 SF = 0.01 ACRES)
- WC 4 - 33 LF : 132 SF = 0.003 ACRES
  - WC 5 - 10 LF : 100 SF = 0.002 ACRES
  - WC 7 - 21 LF : 210 SF = 0.005 ACRES

- PERMANENT FLOODWAY - (269,012 SF = 6.18 ACRES)

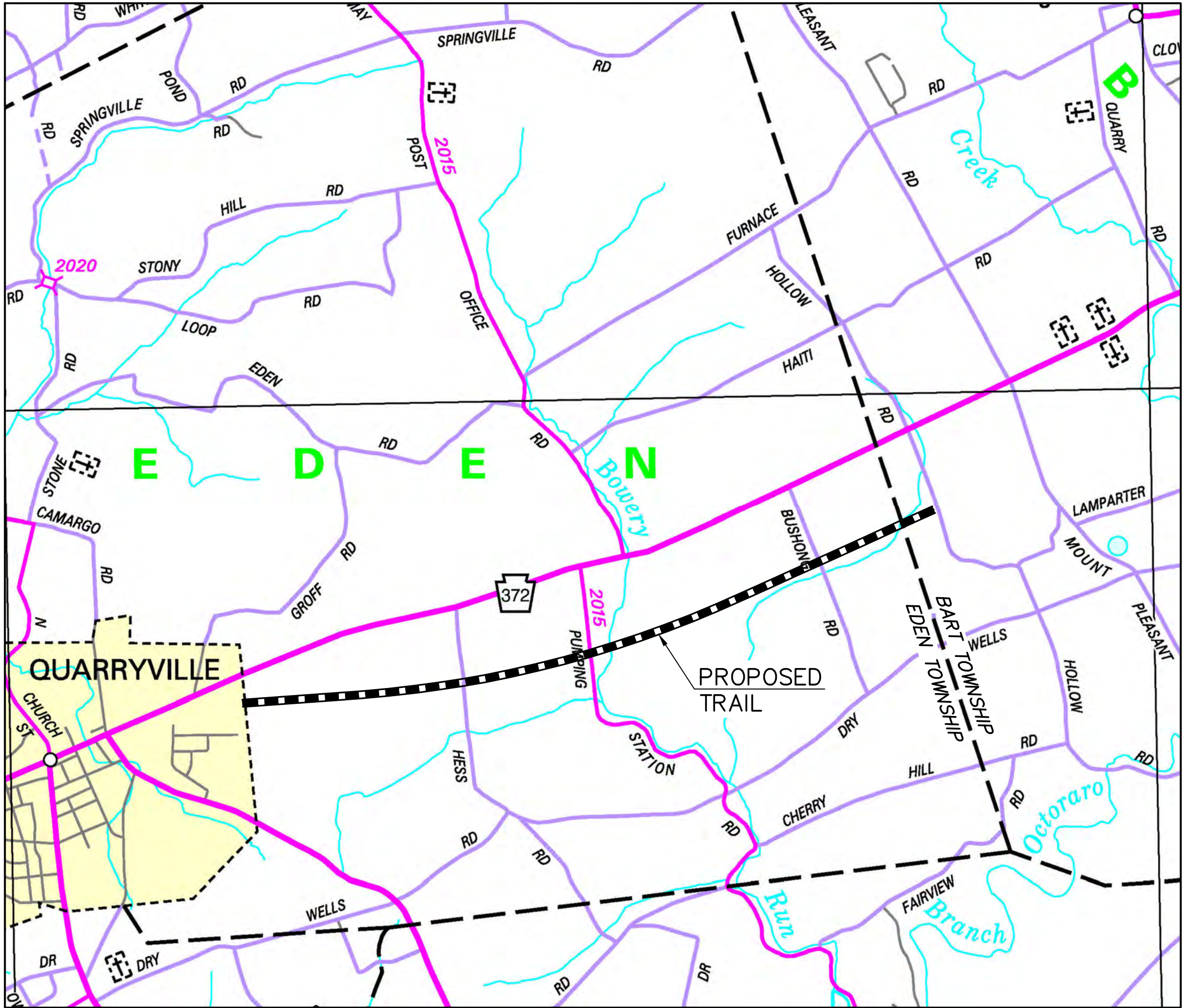
- TEMPORARY FLOODWAY - (64,563 SF = 1.48 ACRES)

RECEIVING WATERS:

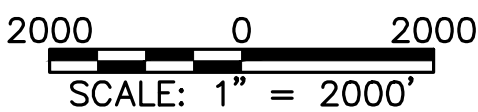
- |  |             |
|--|-------------|
| WATERCOURSE 1, INTERM. UNT TO SOUTH FORK BIG BEAVER CREEK    | TSF, MF     |
| WATERCOURSE 2, INTERM. UNT TO SOUTH FORK BIG BEAVER CREEK    | TSF, MF     |
| WATERCOURSE 3, EPHEMERAL UNT TO BOWERY RUN                   |             |
| WATERCOURSE 4, PERENNIAL UNT TO BOWERY RUN                   | HQ, CWF, MF |
| WATERCOURSE 5, PERENNIAL UNT TO BOWERY RUN                   | HQ, CWF, MF |
| WATERCOURSE 6A, PERENNIAL UNT TO SOUTH FORK BIG BEAVER CREEK | TSF, MF     |
| WATERCOURSE 6B, PERENNIAL UNT TO SOUTH FORK BIG BEAVER CREEK | TSF, MF     |
| WATERCOURSE 7, BOWERY RUN, PERENNIAL                         | HQ, CWF, MF |

ANTICIPATED PERMITS:

- DEP: JOINT PERMIT APPLICATION (WATERCOURSE 1, WATERCOURSE 2, BOWERY RUN, WATERCOURSE 4, WATERCOURSE 5, WATERCOURSE 6A/B)
- LCCD/DEP: INDIVIDUAL NPDES APPLICATION (DISTURBANCE > 1 ACRE, UNT TO BOWERY RUN (HQ AFFECTED))



LOCATION MAP



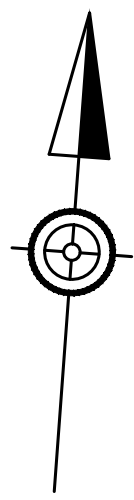
PREPARED BY:

**WC**  
GROUP

WILSON CONSULTING GROUP, PC  
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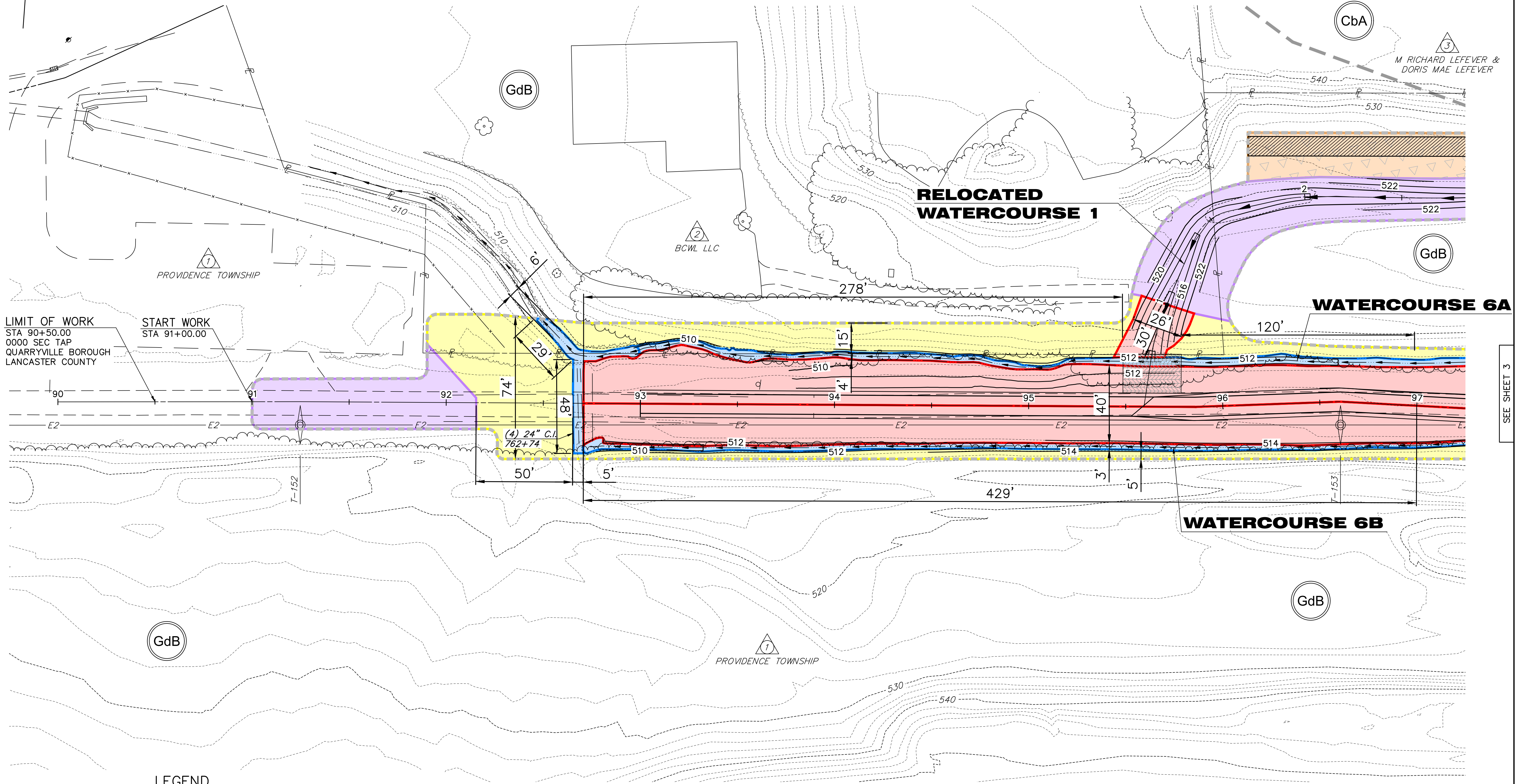
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IMPACT KEY

- |  |   |
|--|---|
| PROPOSED CHAPTER 102 NPDES DISTURBANCE         | PROPOSED CHAPTER 105 PERMANENT FLOODWAY |
| PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES | PROPOSED CHAPTER 105 TEMPORARY FLOODWAY |
| PROPOSED CHAPTER 105 PERMANENT STREAM          | PROPOSED CHAPTER 105 TEMPORARY STREAM   |

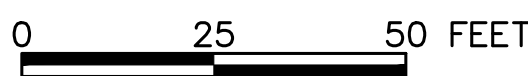
DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	2 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



LEGEND

- |  |   |
|--|---|
| LIMIT OF WORK                          | SOIL TYPE                                       |
| EXISTING CONTOUR                       | SOIL BOUNDARY                                   |
| PROPOSED CONTOUR                       | TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS |
| EXISTING EDGE OF STREAM                | APPROXIMATE FLOODWAY LINE                       |
| PARCEL IDENTIFICATION NUMBER - NO TAKE |   |
| EXISTING WETLANDS                      |   |

PLAN



SEE SHEET 3

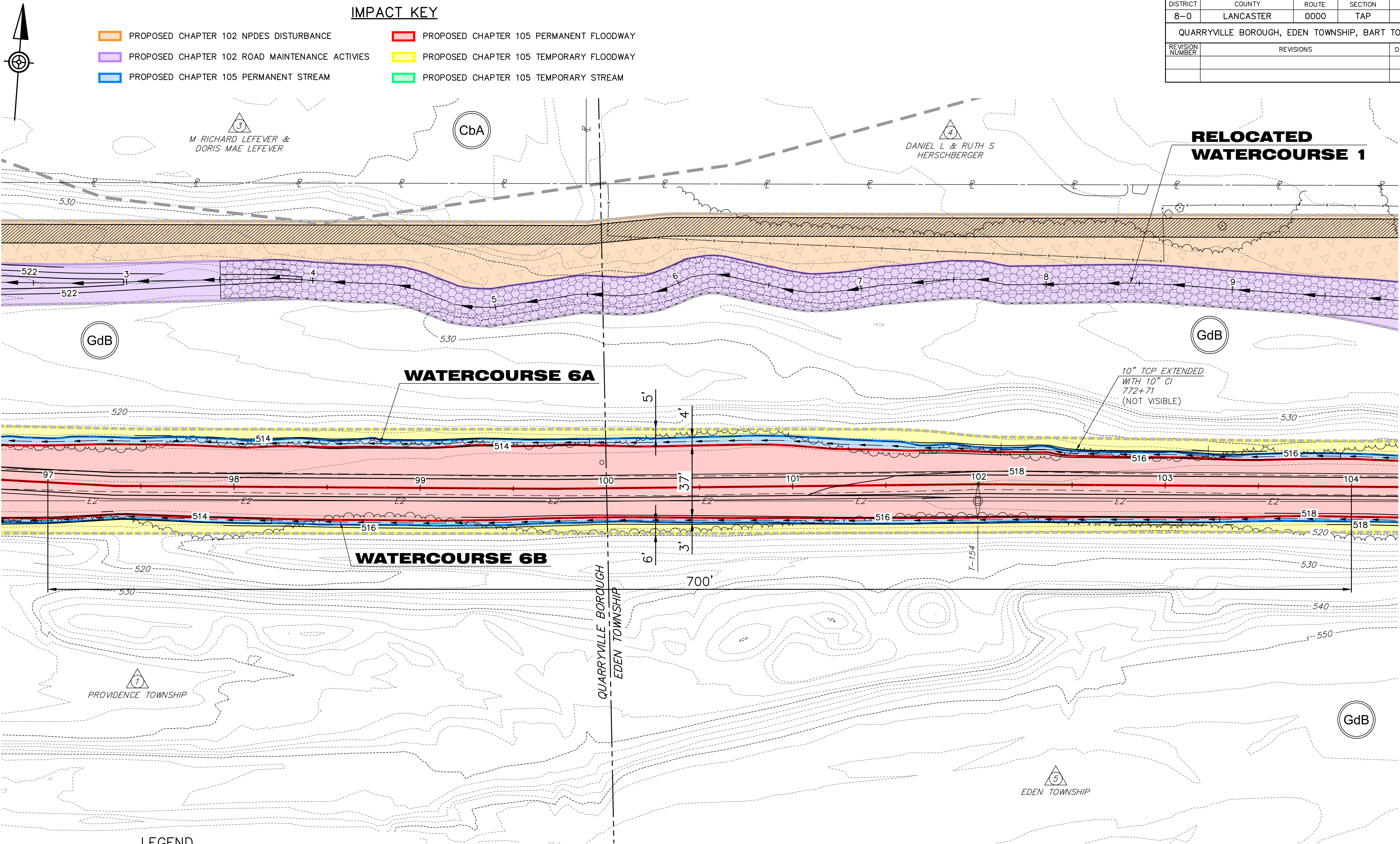
PREPARED BY:  
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SEE SHEET 2

SEE SHEET 4



- IMPACT KEY**
- PROPOSED CHAPTER 102 NPDES DISTURBANCE
  - PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES
  - PROPOSED CHAPTER 105 PERMANENT STREAM
  - PROPOSED CHAPTER 105 PERMANENT FLOODWAY
  - PROPOSED CHAPTER 105 TEMPORARY FLOODWAY
  - PROPOSED CHAPTER 105 TEMPORARY STREAM

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	3 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

**RELOCATED  
WATERCOURSE 1**

**WATERCOURSE 6A**

**WATERCOURSE 6B**

10" TCP EXTENDED  
WITH 10" CI  
772+71  
(NOT VISIBLE)

**LEGEND**

- LIMIT OF WORK
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING EDGE OF STREAM
- PARCEL IDENTIFICATION NUMBER - NO TAKE
- EXISTING WETLANDS
- SOIL TYPE
- SOIL BOUNDARY
- TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS
- APPROXIMATE FLOODWAY LINE

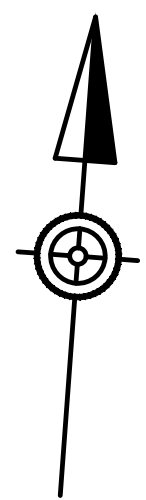
**PLAN**

0 25 50 FEET

PREPARED BY:  
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4  
DANIEL L & RUTH S  
HERSCHBERGER

## RELOCATED WATERCOURSE 1

6  
JOHN G & MARY F MILLER

- IMPACT KEY**
- PROPOSED CHAPTER 102 NPDES DISTURBANCE
  - PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES
  - PROPOSED CHAPTER 105 PERMANENT STREAM
  - PROPOSED CHAPTER 105 PERMANENT FLOODWAY
  - PROPOSED CHAPTER 105 TEMPORARY FLOODWAY
  - PROPOSED CHAPTER 105 TEMPORARY STREAM

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8—0	LANCASTER	0000	TAP	4 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

SEE SHEET 3

SEE SHEET 5

## WATERCOURSE 6A

## WATERCOURSE 6B

## LEGEND

- LIMIT OF WORK
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING EDGE OF STREAM
- PARCEL IDENTIFICATION NUMBER - NO TAKE
- EXISTING WETLANDS
- SOIL TYPE
- SOIL BOUNDARY
- TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS
- APPROXIMATE FLOODWAY LINE

## PLAN

0 25 50 FEET

PREPARED BY:

**WC**  
GROUP

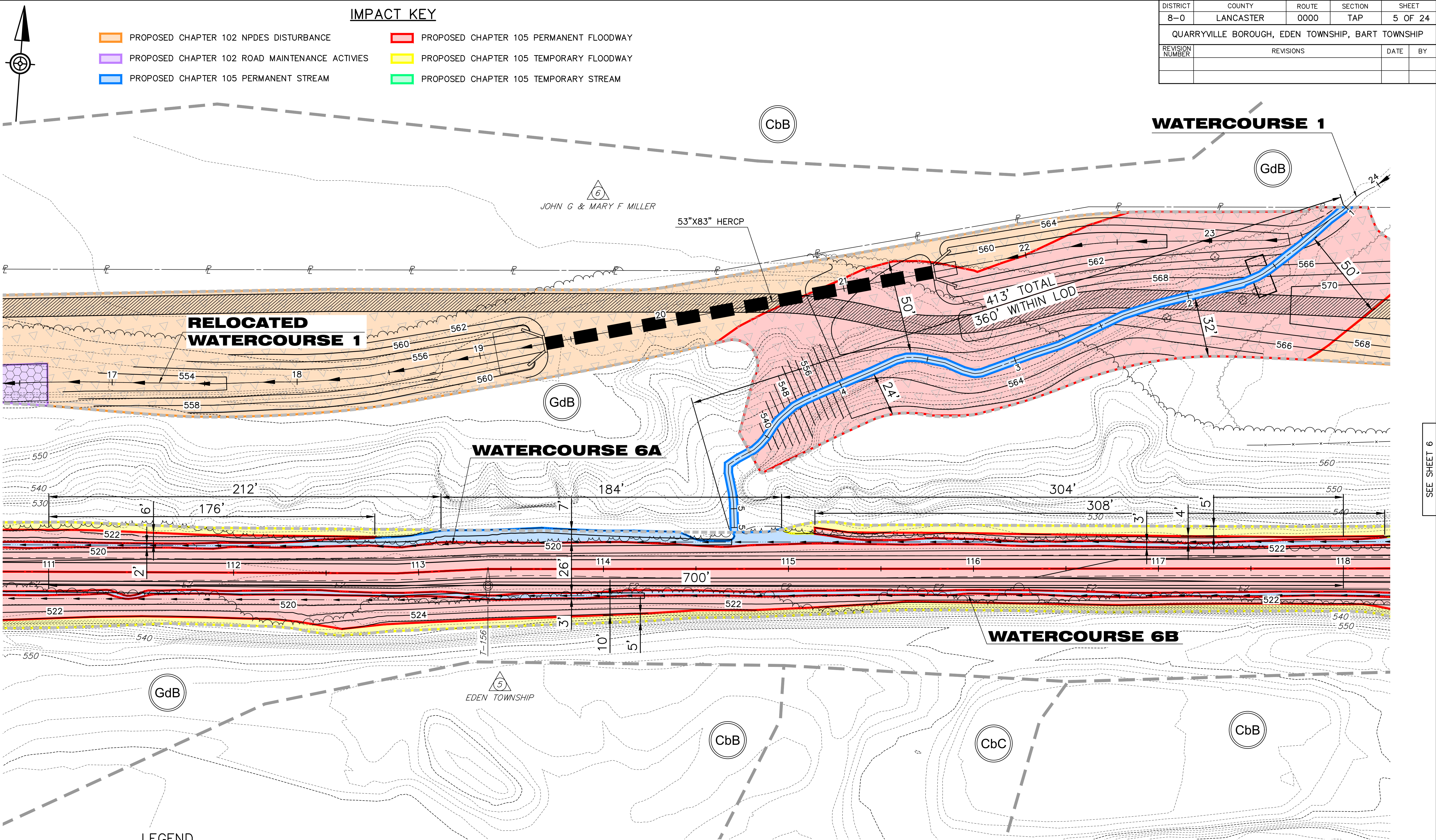
WILSON CONSULTING GROUP, PC  
100 OLD SCHOOLHOUSE LANE  
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SEE SHEET 4

SEE SHEET 6



IMPACT KEY

- |  |   |
|--|---|
| PROPOSED CHAPTER 102 NPDES DISTURBANCE         | PROPOSED CHAPTER 105 PERMANENT FLOODWAY |
| PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES | PROPOSED CHAPTER 105 TEMPORARY FLOODWAY |
| PROPOSED CHAPTER 105 PERMANENT STREAM          | PROPOSED CHAPTER 105 TEMPORARY STREAM   |

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	5 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

LEGEND

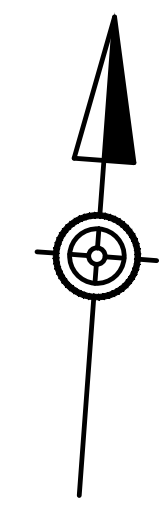
- |  |   |
|--|---|
| LIMIT OF WORK                          | SOIL TYPE                                       |
| EXISTING CONTOUR                       | SOIL BOUNDARY                                   |
| PROPOSED CONTOUR                       | TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS |
| EXISTING EDGE OF STREAM                | APPROXIMATE FLOODWAY LINE                       |
| PARCEL IDENTIFICATION NUMBER - NO TAKE |   |
| EXISTING WETLANDS                      |   |

PLAN

0 25 50 FEET

PREPARED BY:  
**WC**  
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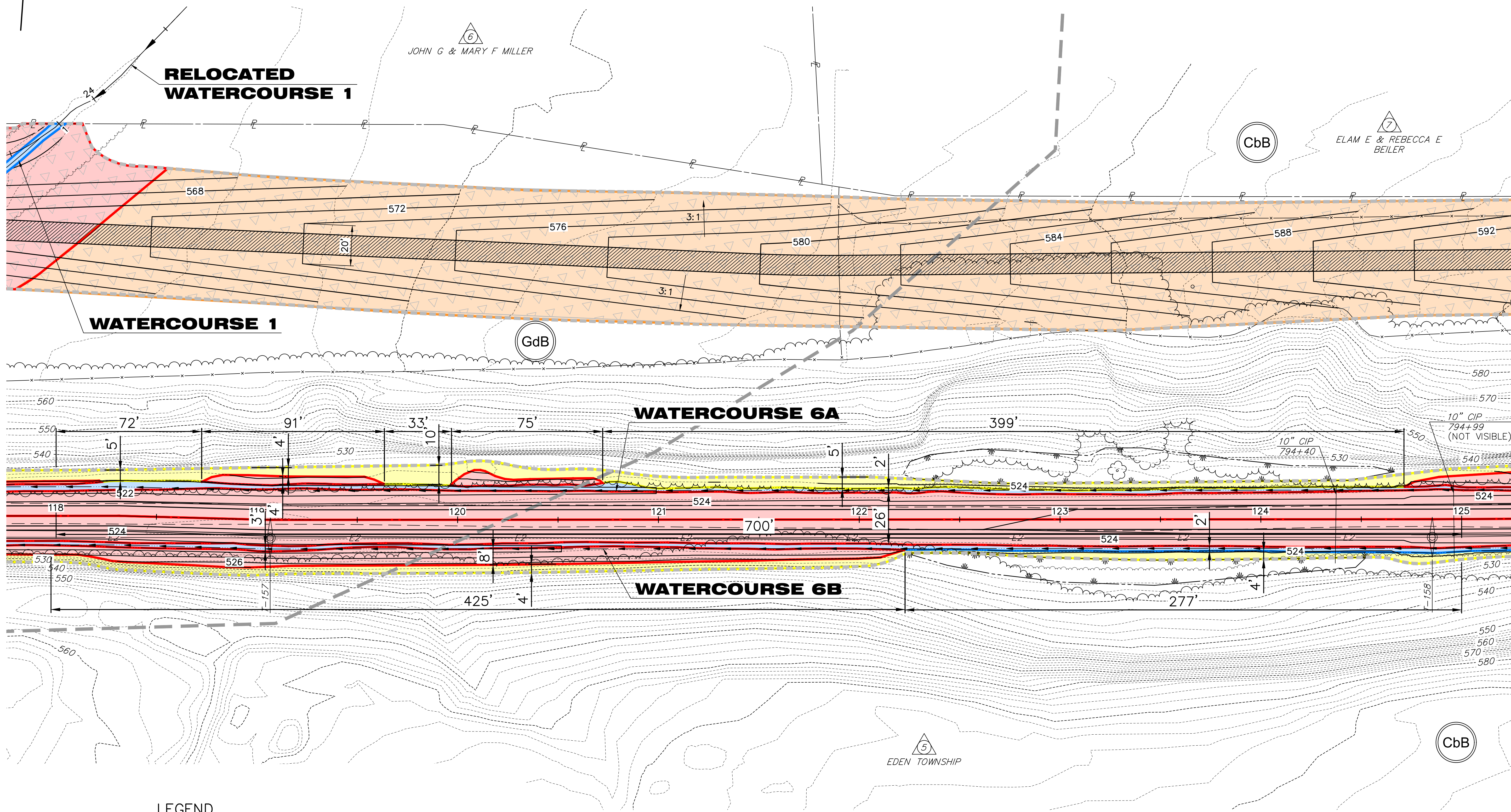
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- |  |   |
|--|---|
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| PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES | PROPOSED CHAPTER 105 TEMPORARY FLOODWAY |
| PROPOSED CHAPTER 105 PERMANENT STREAM          | PROPOSED CHAPTER 105 TEMPORARY STREAM   |

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	6 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

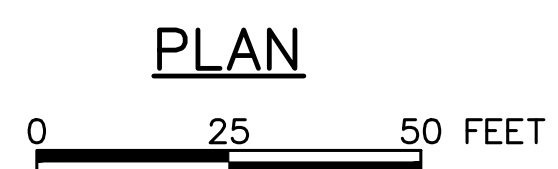
SEE SHEET 5

SEE SHEET 7



LEGEND

- |  |   |
|--|---|
| LIMIT OF WORK                          | SOIL TYPE                                       |
| EXISTING CONTOUR                       | SOIL BOUNDARY                                   |
| PROPOSED CONTOUR                       | TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS |
| EXISTING EDGE OF STREAM                | APPROXIMATE FLOODWAY LINE                       |
| PARCEL IDENTIFICATION NUMBER - NO TAKE |   |
| EXISTING WETLANDS                      |   |



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GROUP

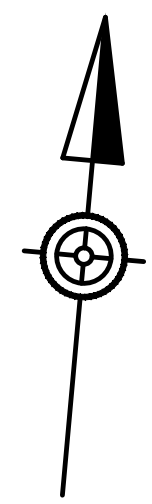
WILSON CONSULTING GROUP, PC  
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SEE SHEET 6

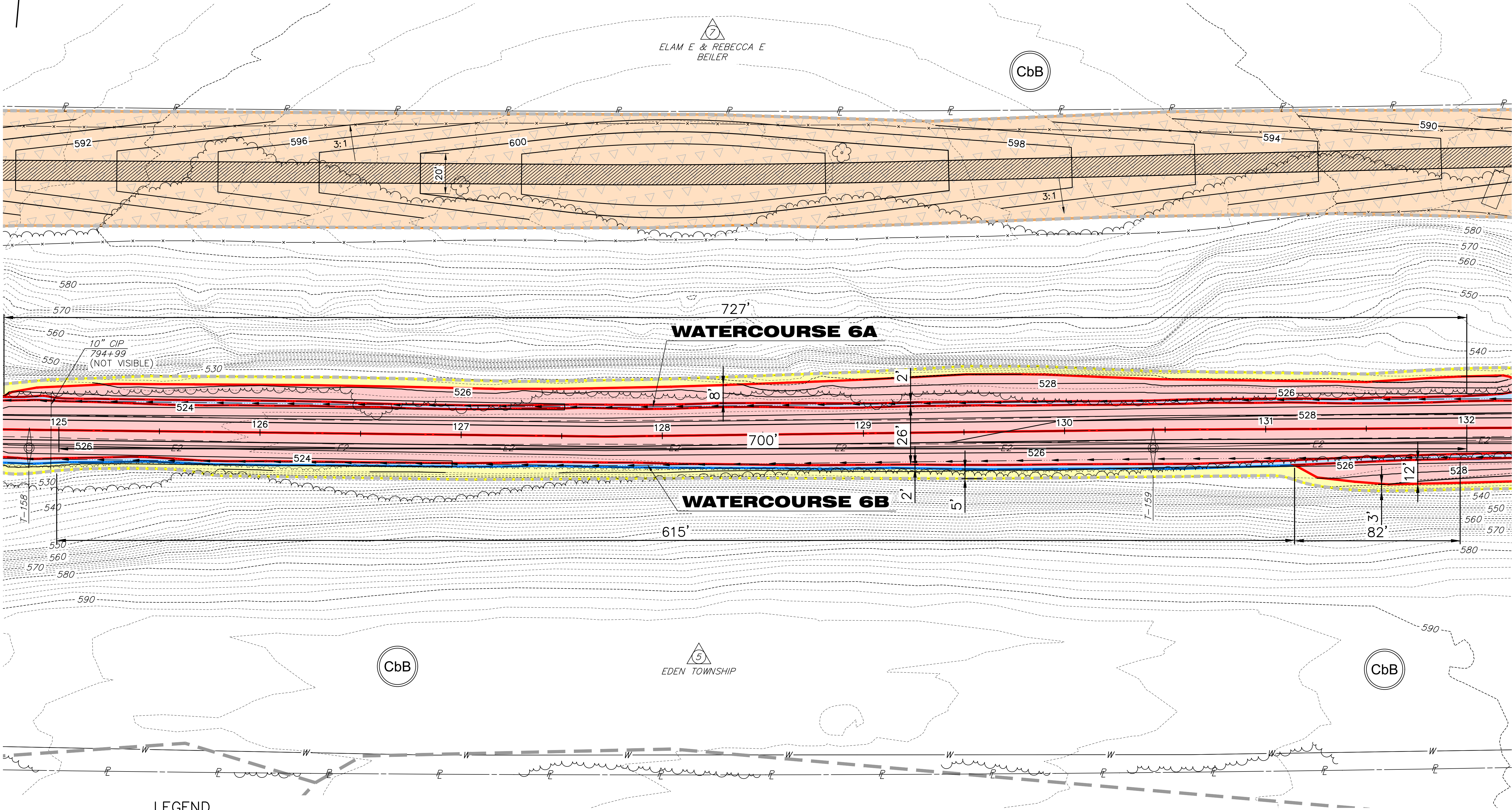
SEE SHEET 8



IMPACT KEY

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|--|--|--|---|
|  | PROPOSED CHAPTER 102 NPDES DISTURBANCE         |  | PROPOSED CHAPTER 105 PERMANENT FLOODWAY |
|  | PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES |  | PROPOSED CHAPTER 105 TEMPORARY FLOODWAY |
|  | PROPOSED CHAPTER 105 PERMANENT STREAM          |  | PROPOSED CHAPTER 105 TEMPORARY STREAM   |

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	7 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



LEGEND

- |  |  |  |   |
|--|--|--|---|
|  | LIMIT OF WORK                          |  | SOIL TYPE                                       |
|  | EXISTING CONTOUR                       |  | SOIL BOUNDARY                                   |
|  | PROPOSED CONTOUR                       |  | TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS |
|  | EXISTING EDGE OF STREAM                |  | APPROXIMATE FLOODWAY LINE                       |
|  | PARCEL IDENTIFICATION NUMBER - NO TAKE |  |   |
|  | EXISTING WETLANDS                      |  |   |

PLAN

0 25 50 FEET

PREPARED BY:  
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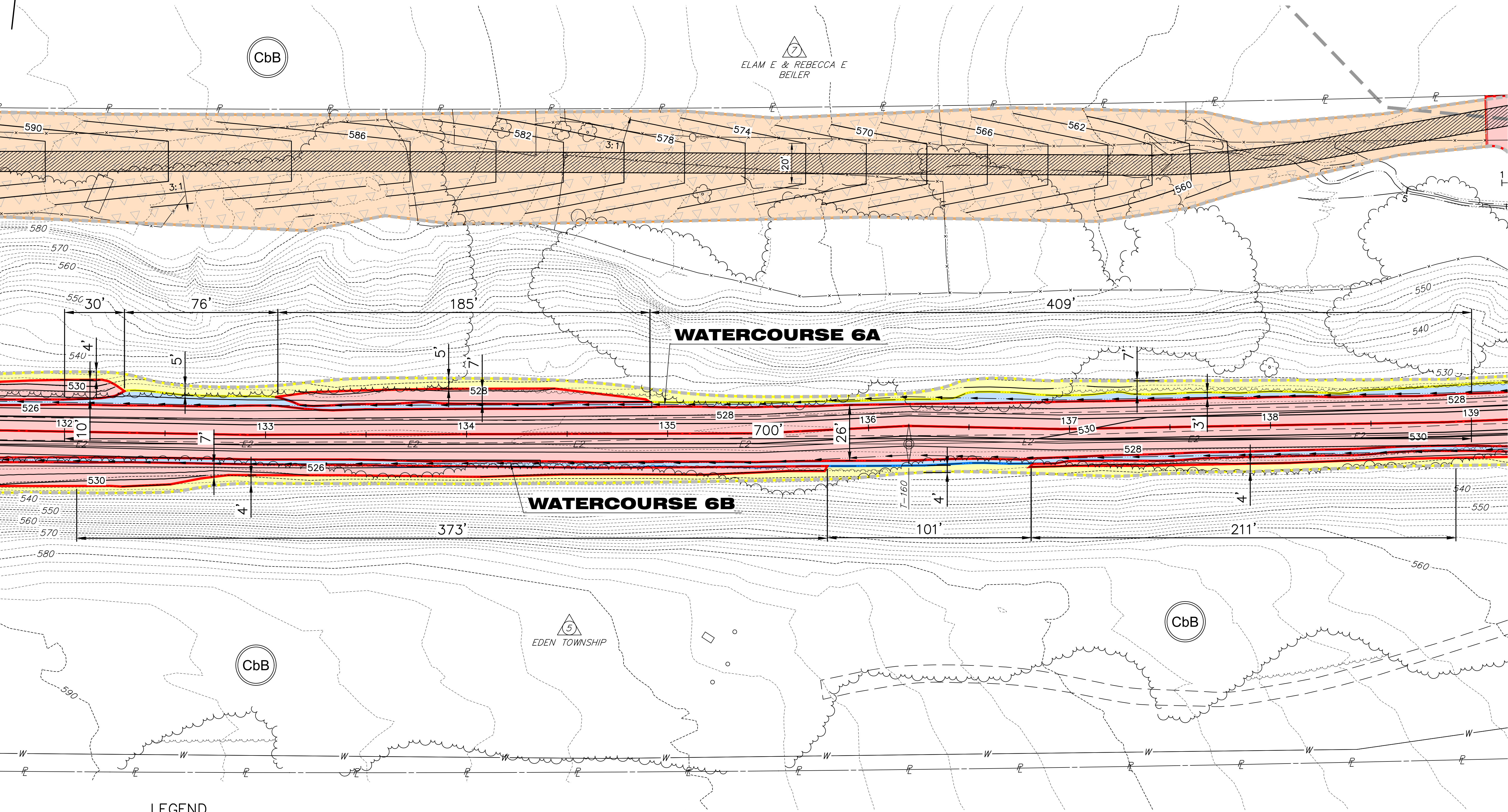
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- PROPOSED CHAPTER 102 NPDES DISTURBANCE
- 
- PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
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QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

SEE SHEET 7

SEE SHEET 9



LEGEND

- LIMIT OF WORK
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING EDGE OF STREAM
- PARCEL IDENTIFICATION NUMBER - NO TAKE
- EXISTING WETLANDS
- SOIL TYPE
- SOIL BOUNDARY
- TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS
- APPROXIMATE FLOODWAY LINE

PLAN

0 25 50 FEET

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DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	9 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

- PROPOSED CHAPTER 102 NPDES DISTURBANCE

PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES

PROPOSED CHAPTER 105 PERMANENT STREAM
- PROPOSED CHAPTER 105 PERMANENT FLOODWAY

PROPOSED CHAPTER 105 TEMPORARY FLOODWAY

PROPOSED CHAPTER 105 PERMANENT STREAM

PROPOSED CHAPTER 105 TEMPORARY STREAM

WATERCOURSE 2E  
LOW FLOW

WATERCOURSE 2W  
LOW FLOW

WATERCOURSE 2N  
LOW FLOW

DRAINAGE SWALE

LIMIT OF  
WATERCOURSE 6A & 6B

WATERCOURSE 6A

WATERCOURSE 6B

LEGEND

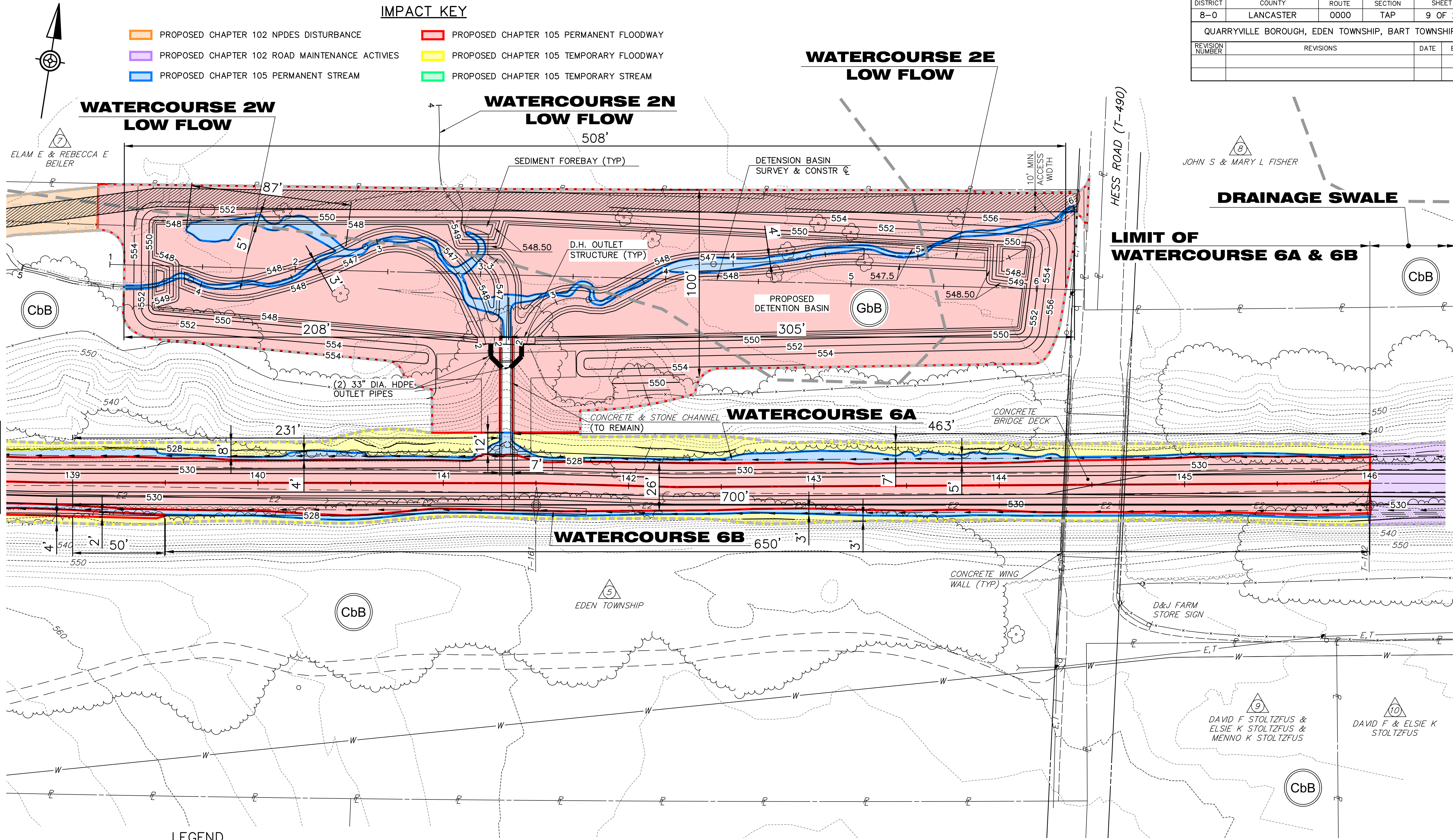
PLAN

0 25 50 FEET

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SEE SHEET 10

SEE SHEET 8



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SEE SHEET 9

SEE SHEET 11



IMPACT KEY

- PROPOSED CHAPTER 102 NPDES DISTURBANCE

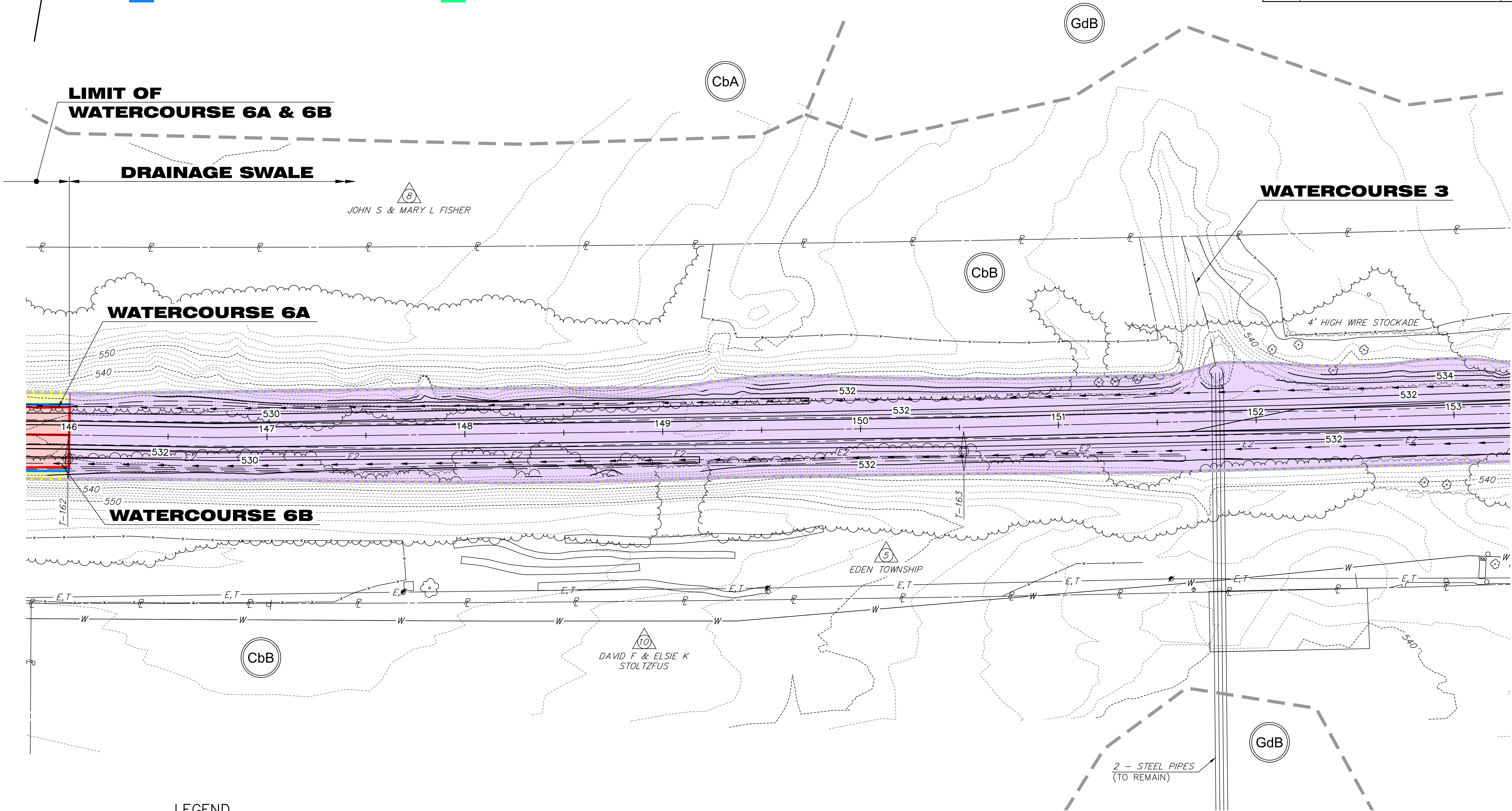
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PROPOSED CHAPTER 105 PERMANENT STREAM
- PROPOSED CHAPTER 105 PERMANENT FLOODWAY

PROPOSED CHAPTER 105 TEMPORARY FLOODWAY

PROPOSED CHAPTER 105 TEMPORARY STREAM

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	10 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



LEGEND

- LIMIT OF WORK

-----500----- EXISTING CONTOUR

-----500----- PROPOSED CONTOUR

----- EXISTING EDGE OF STREAM

PARCEL IDENTIFICATION NUMBER - NO TAKE

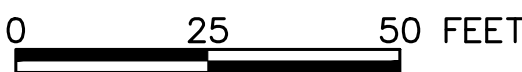
EXISTING WETLANDS
- SOIL TYPE

----- SOIL BOUNDARY

TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS

----- APPROXIMATE FLOODWAY LINE

PLAN



PREPARED BY:

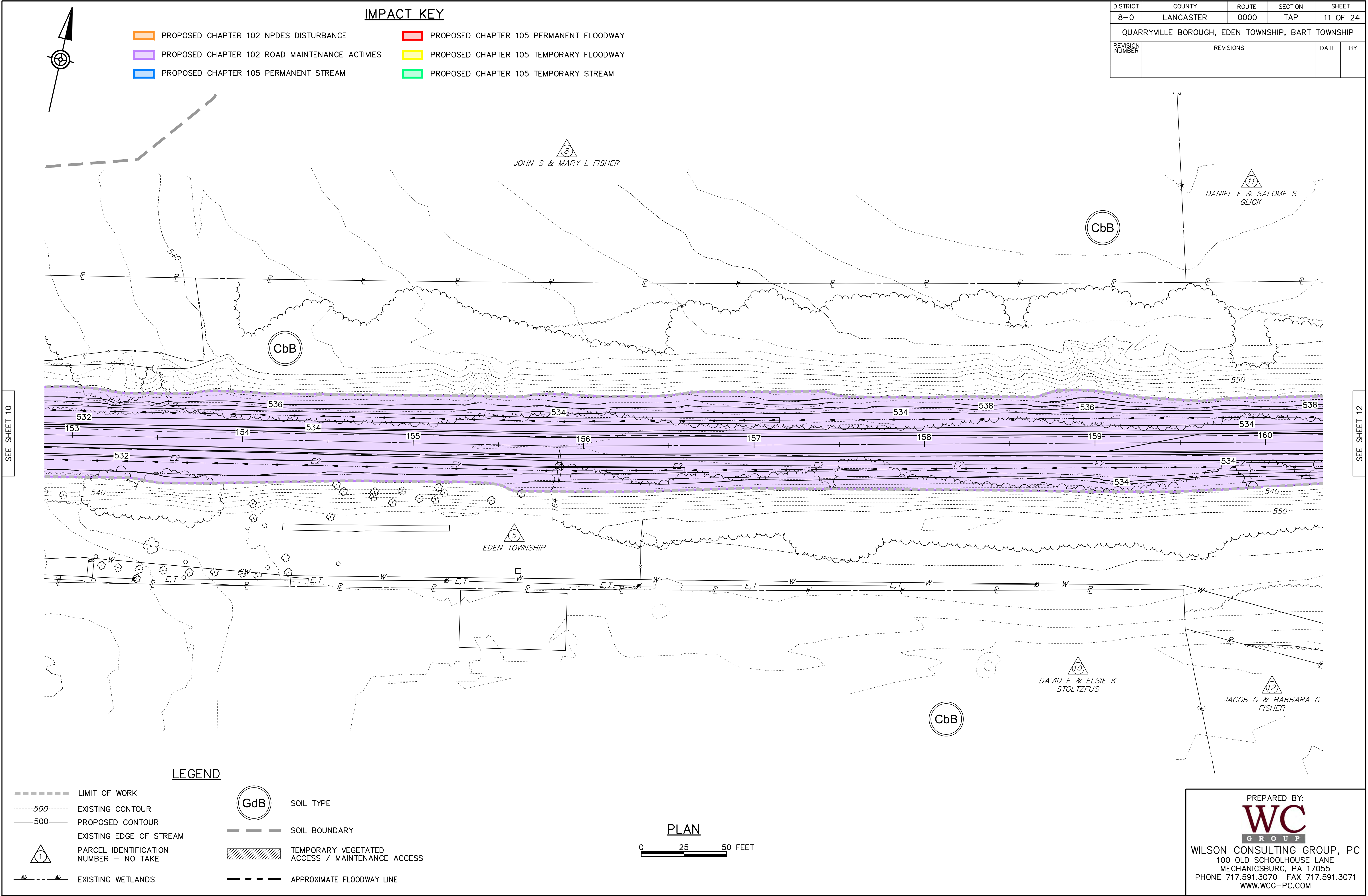
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GROUP

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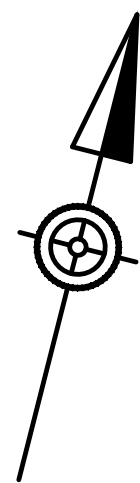
SEE SHEET 10



DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	11 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

SEE SHEET 12





IMPACT KEY

- PROPOSED CHAPTER 102 NPDES DISTURBANCE

PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES

PROPOSED CHAPTER 105 PERMANENT STREAM
- PROPOSED CHAPTER 105 PERMANENT FLOODWAY

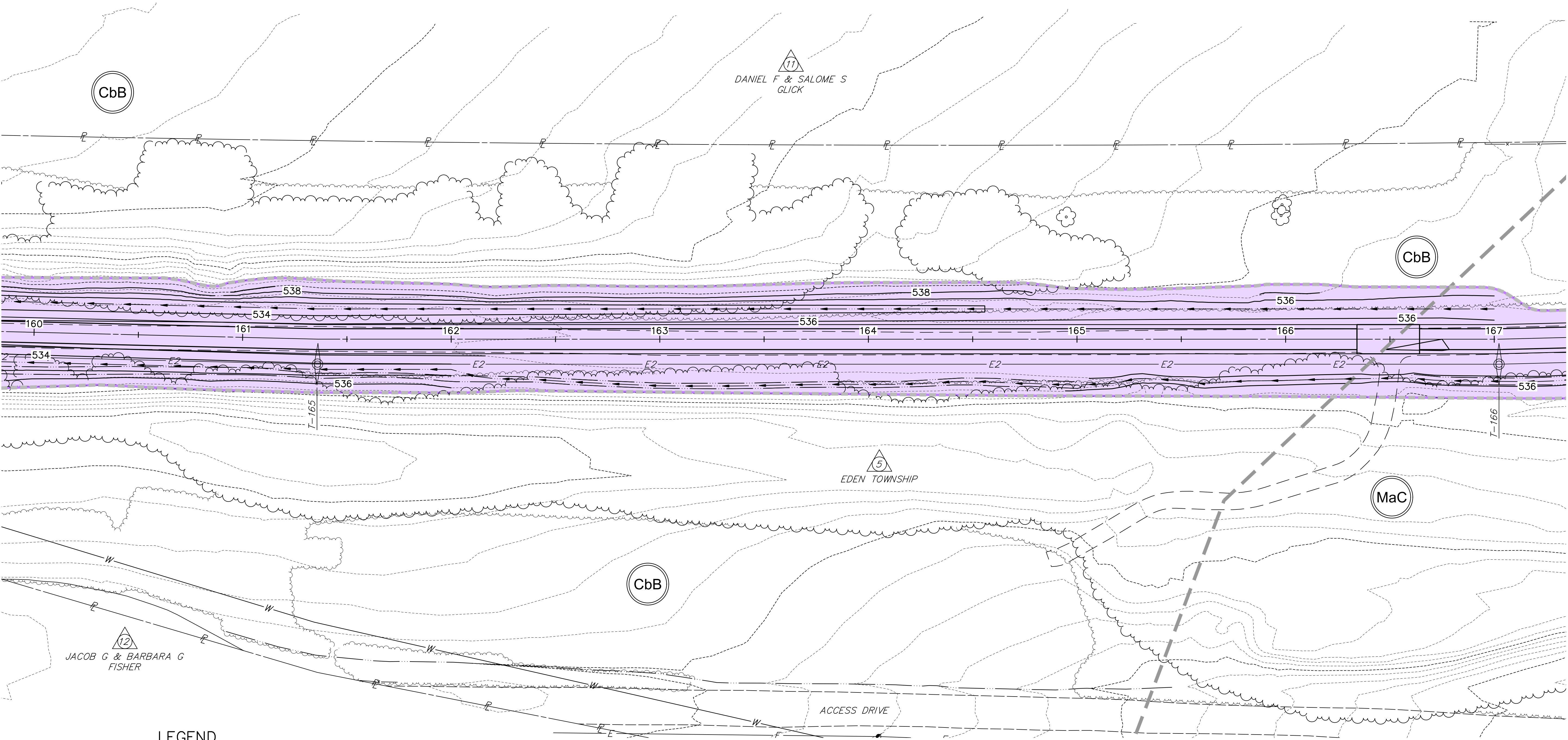
PROPOSED CHAPTER 105 TEMPORARY FLOODWAY

PROPOSED CHAPTER 105 TEMPORARY STREAM

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	12 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

SEE SHEET 11

SEE SHEET 13



LEGEND

- LIMIT OF WORK

-----500----- EXISTING CONTOUR

-----500----- PROPOSED CONTOUR

----- EXISTING EDGE OF STREAM

PARCEL IDENTIFICATION NUMBER - NO TAKE

EXISTING WETLANDS
- SOIL TYPE

----- SOIL BOUNDARY

TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS

----- APPROXIMATE FLOODWAY LINE

PLAN



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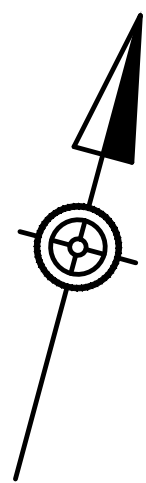
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SEE SHEET 12

SEE SHEET 14



IMPACT KEY

- PROPOSED CHAPTER 102 NPDES DISTURBANCE

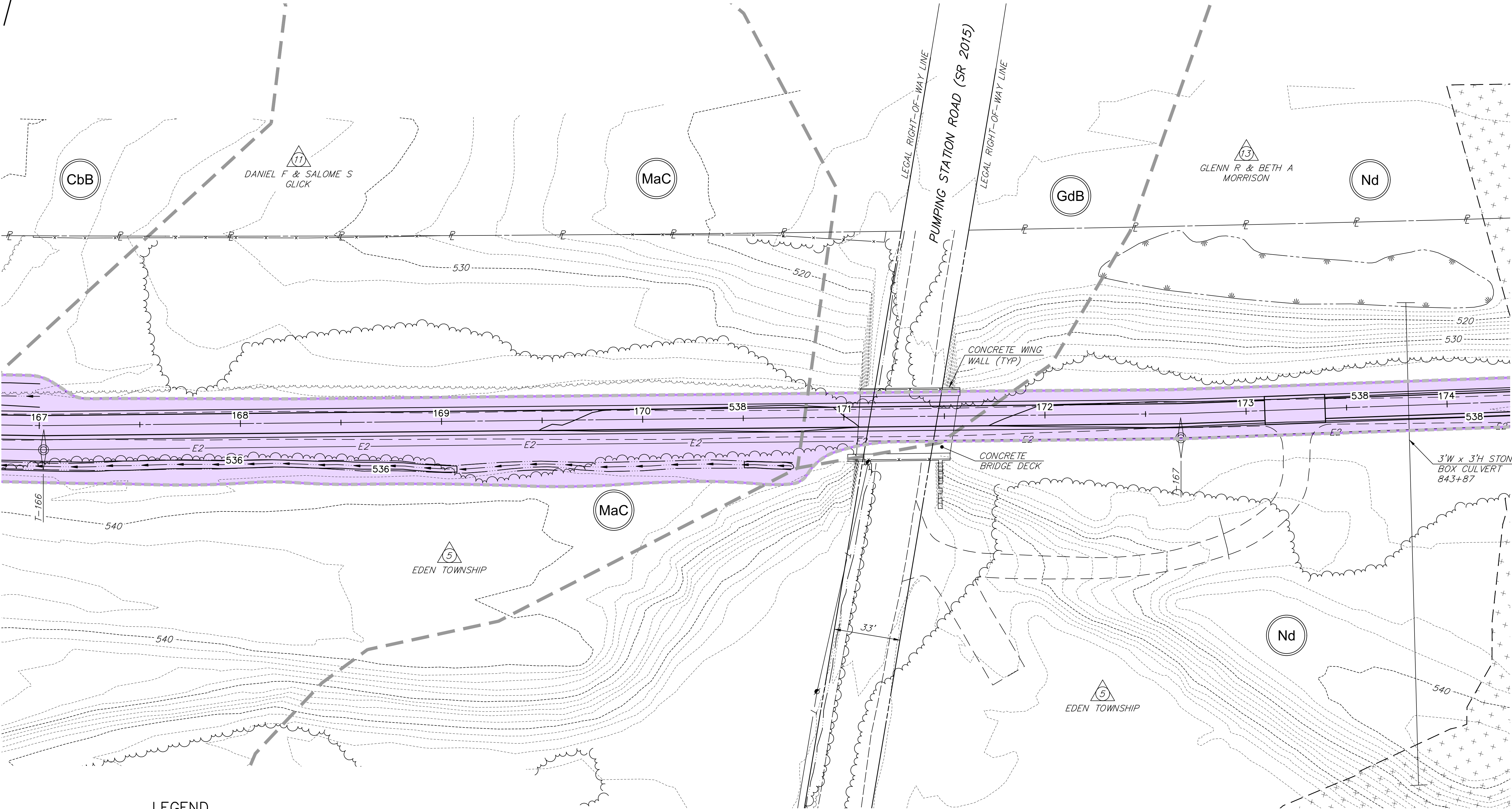
PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES

PROPOSED CHAPTER 105 PERMANENT STREAM
- PROPOSED CHAPTER 105 PERMANENT FLOODWAY

PROPOSED CHAPTER 105 TEMPORARY FLOODWAY

PROPOSED CHAPTER 105 TEMPORARY STREAM

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	13 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



LEGEND

- LIMIT OF WORK

-----500----- EXISTING CONTOUR

-----500----- PROPOSED CONTOUR

----- EXISTING EDGE OF STREAM

PARCEL IDENTIFICATION NUMBER - NO TAKE

EXISTING WETLANDS
- SOIL TYPE

----- SOIL BOUNDARY

TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS

----- APPROXIMATE FLOODWAY LINE

PLAN



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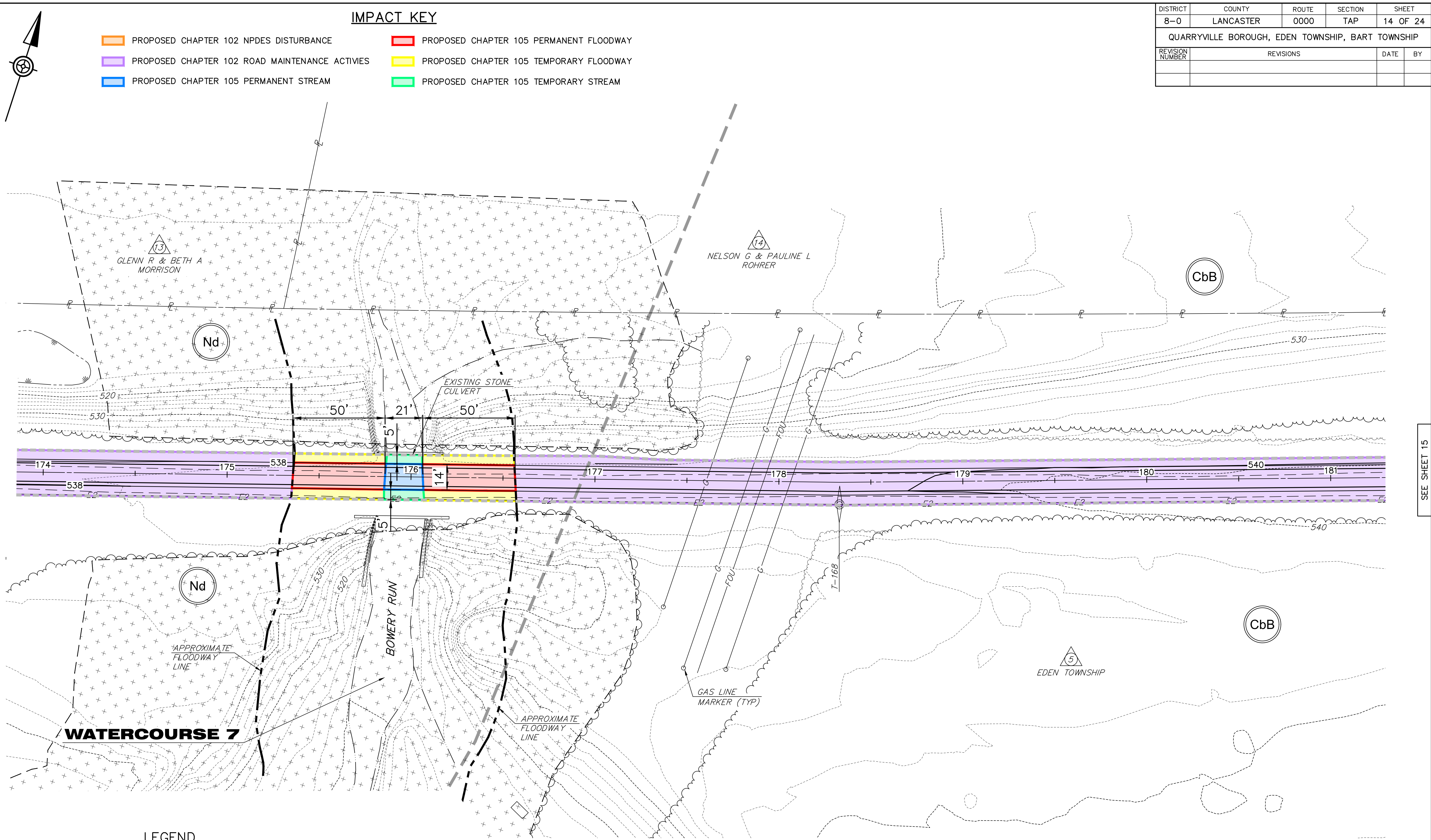
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SEE SHEET 13

SEE SHEET 15



IMPACT KEY

- PROPOSED CHAPTER 102 NPDES DISTURBANCE
- PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES
- PROPOSED CHAPTER 105 PERMANENT STREAM
- PROPOSED CHAPTER 105 PERMANENT FLOODWAY
- PROPOSED CHAPTER 105 TEMPORARY FLOODWAY
- PROPOSED CHAPTER 105 TEMPORARY STREAM

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	14 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

LEGEND

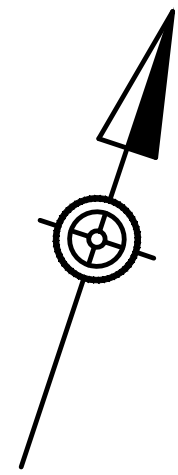
- LIMIT OF WORK
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING EDGE OF STREAM
- PARCEL IDENTIFICATION NUMBER - NO TAKE
- EXISTING WETLANDS
- SOIL TYPE
- SOIL BOUNDARY
- TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS
- APPROXIMATE FLOODWAY LINE

PLAN

0 25 50 FEET

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IMPACT KEY

- PROPOSED CHAPTER 102 NPDES DISTURBANCE

PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES

PROPOSED CHAPTER 105 PERMANENT STREAM
- PROPOSED CHAPTER 105 PERMANENT FLOODWAY

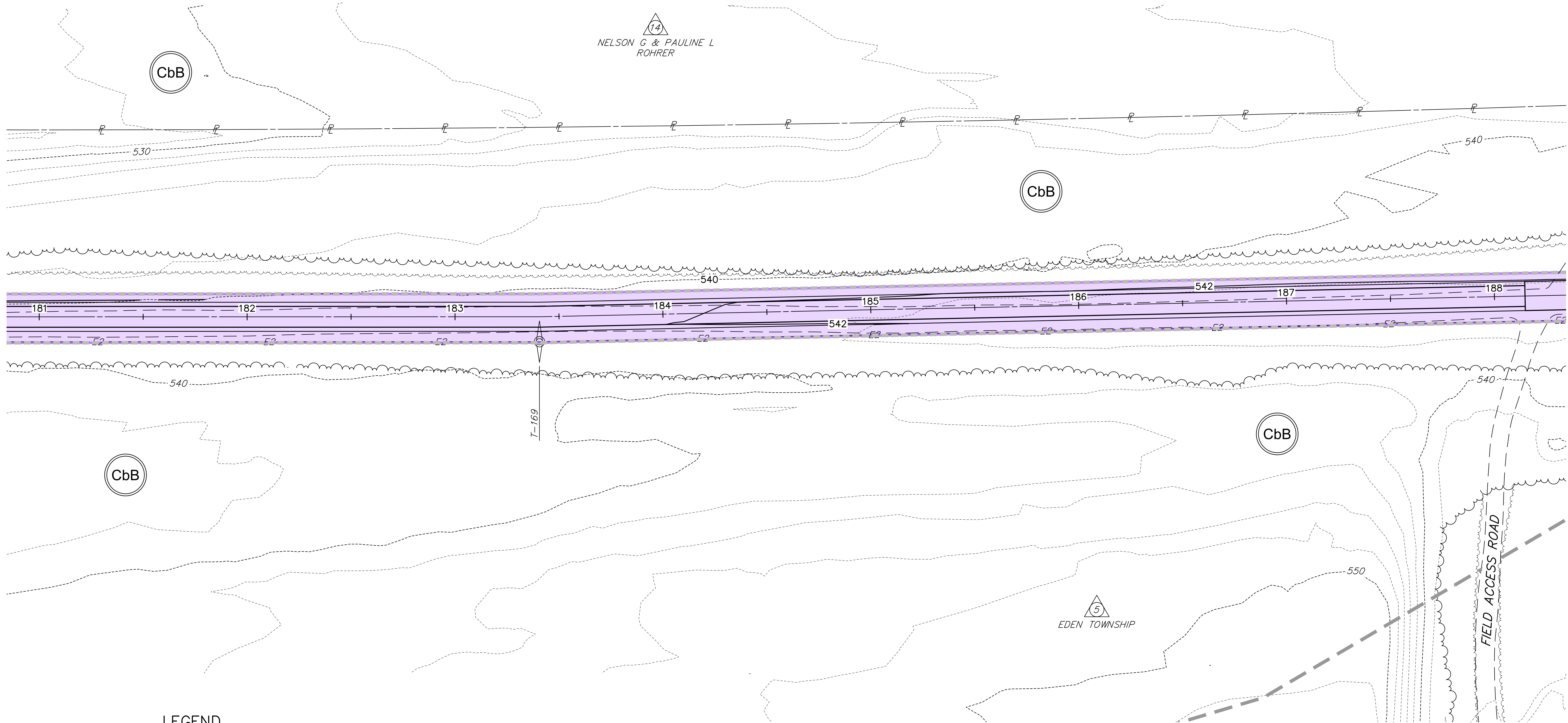
PROPOSED CHAPTER 105 TEMPORARY FLOODWAY

PROPOSED CHAPTER 105 TEMPORARY STREAM

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	15 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

SEE SHEET 14

SEE SHEET 16



LEGEND

- LIMIT OF WORK

EXISTING CONTOUR

PROPOSED CONTOUR

EXISTING EDGE OF STREAM

PARCEL IDENTIFICATION NUMBER - NO TAKE

EXISTING WETLANDS
- SOIL TYPE

SOIL BOUNDARY

TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS

APPROXIMATE FLOODWAY LINE

PLAN

0 25 50 FEET

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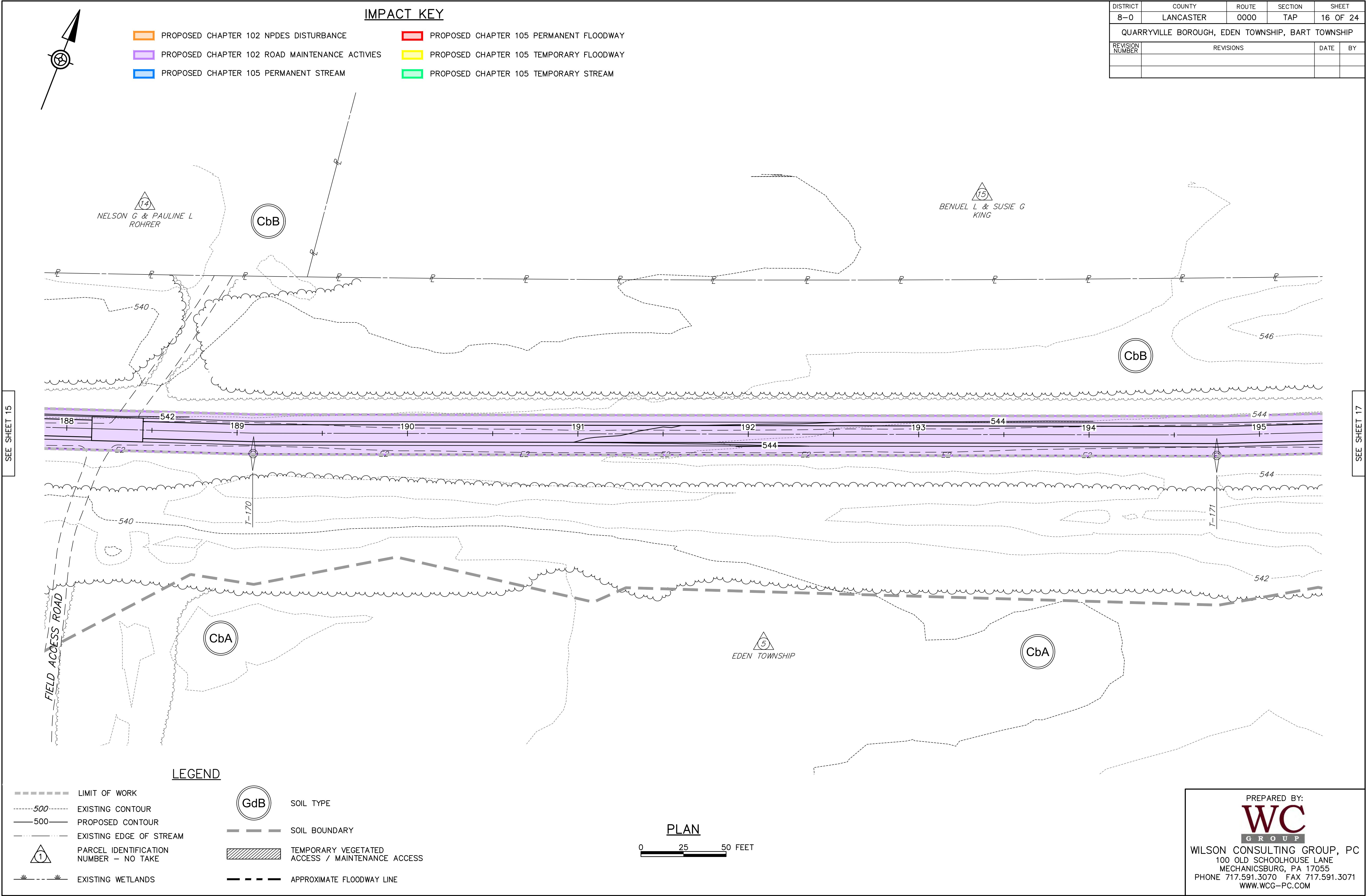
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	16 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

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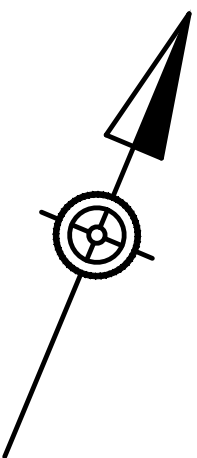
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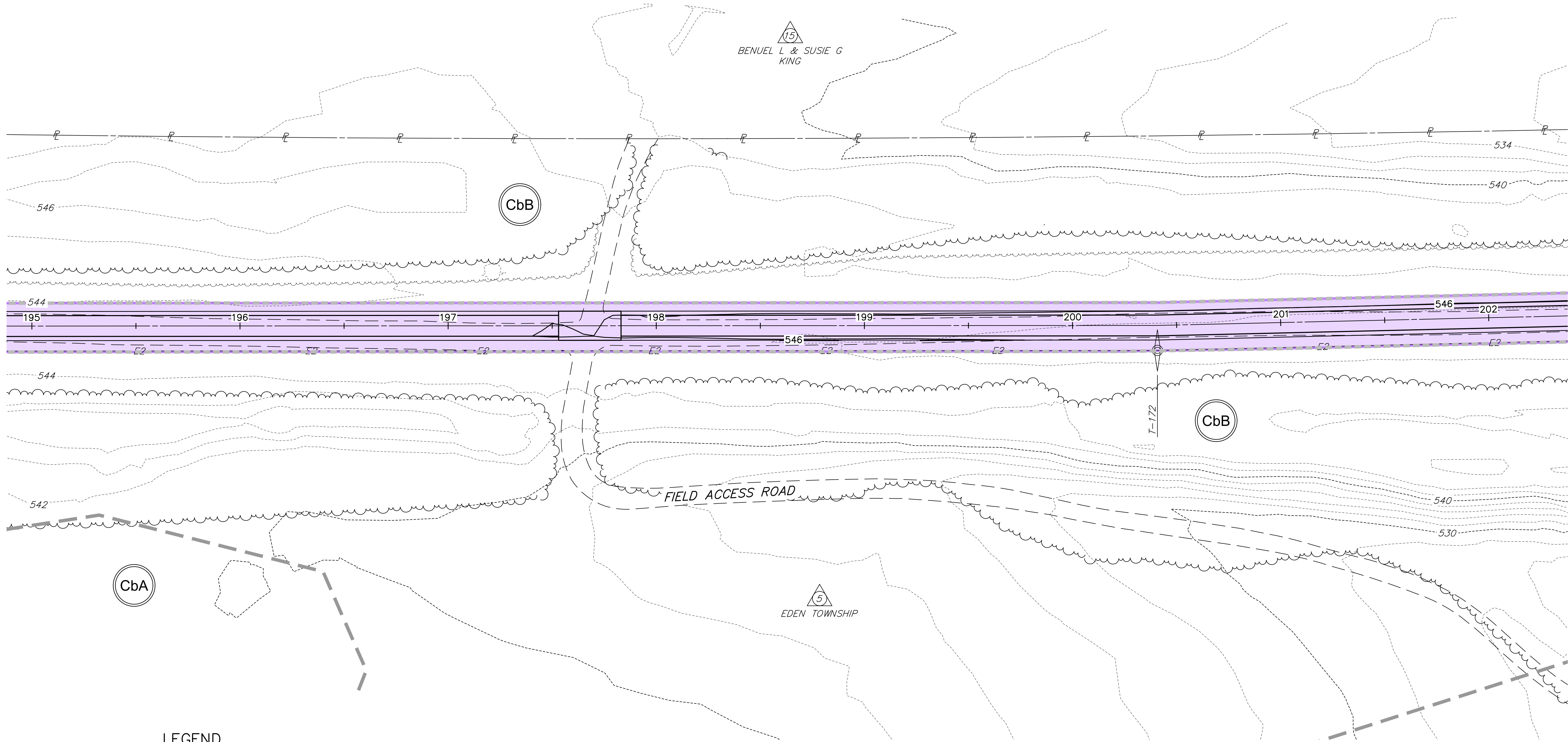
SEE SHEET 18



IMPACT KEY

- PROPOSED CHAPTER 102 NPDES DISTURBANCE
- 
- PROPOSED CHAPTER 105 PERMANENT FLOODWAY

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	17 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



LEGEND

- LIMIT OF WORK
- 
- EXISTING CONTOUR

500SOIL TYPE

PLAN

0 25 50 FEET

PREPARED BY:

WC GROUP

WILSON CONSULTING GROUP, PC

100 OLD SCHOOLHOUSE LANE

MECHANICSBURG, PA 17055

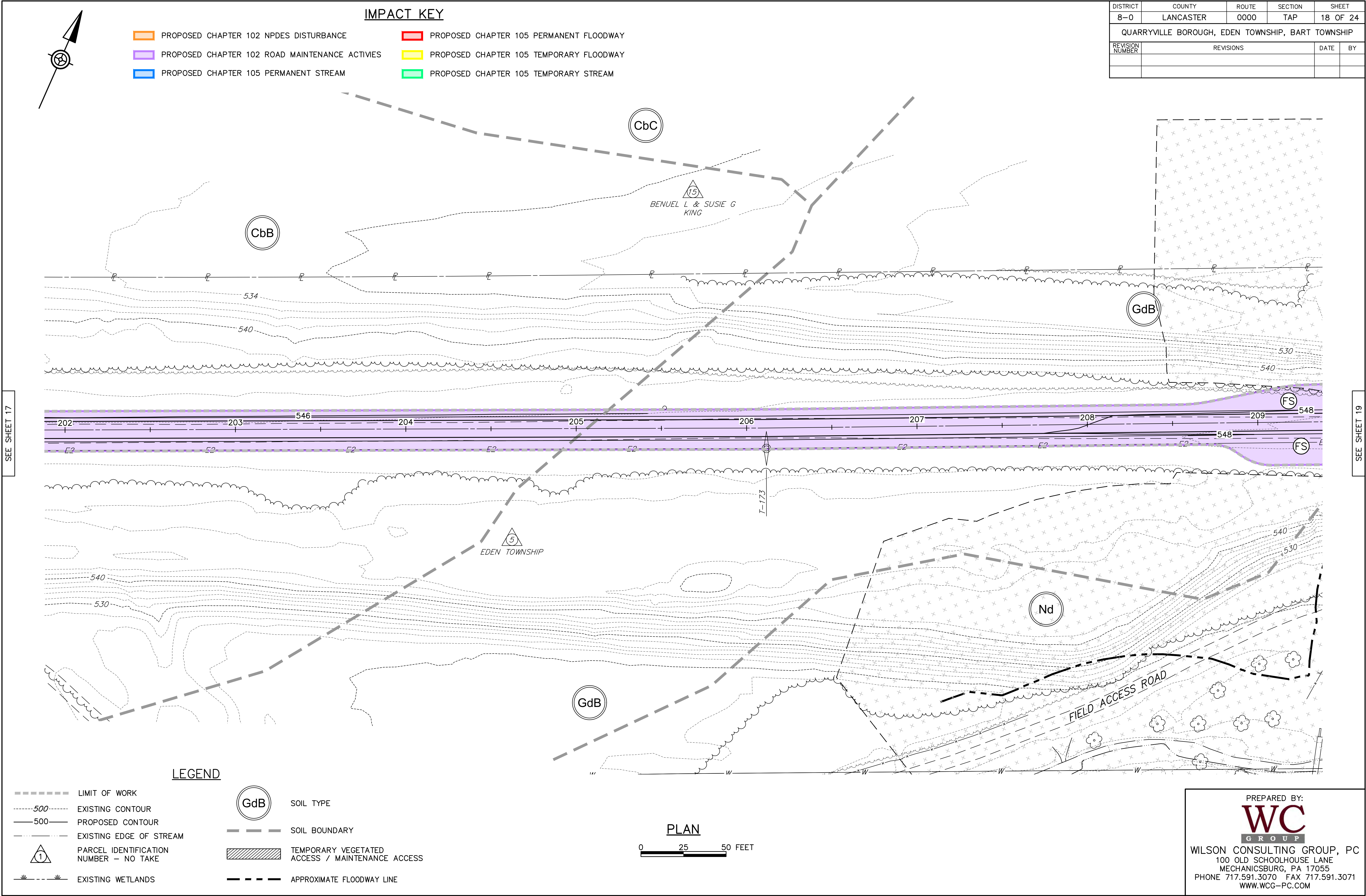
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SEE SHEET 17



IMPACT KEY

- PROPOSED CHAPTER 102 NPDES DISTURBANCE
- PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES
- PROPOSED CHAPTER 105 PERMANENT STREAM
- PROPOSED CHAPTER 105 PERMANENT FLOODWAY
- PROPOSED CHAPTER 105 TEMPORARY FLOODWAY
- PROPOSED CHAPTER 105 TEMPORARY STREAM

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	18 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

LEGEND

- LIMIT OF WORK
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING EDGE OF STREAM
- PARCEL IDENTIFICATION NUMBER - NO TAKE
- EXISTING WETLANDS
- SOIL TYPE
- SOIL BOUNDARY
- TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS
- APPROXIMATE FLOODWAY LINE

PLAN

0 25 50 FEET

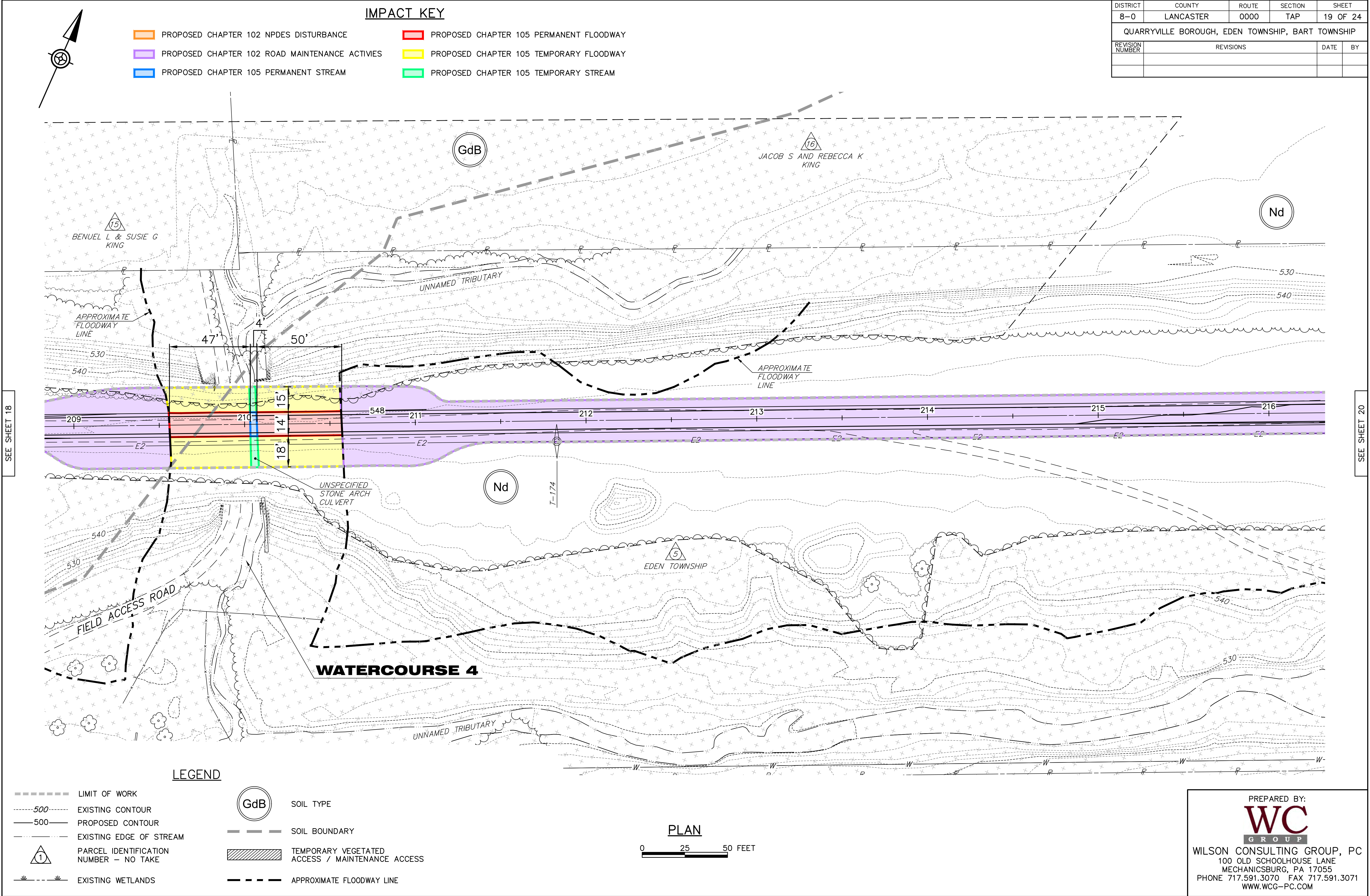
SEE SHEET 19

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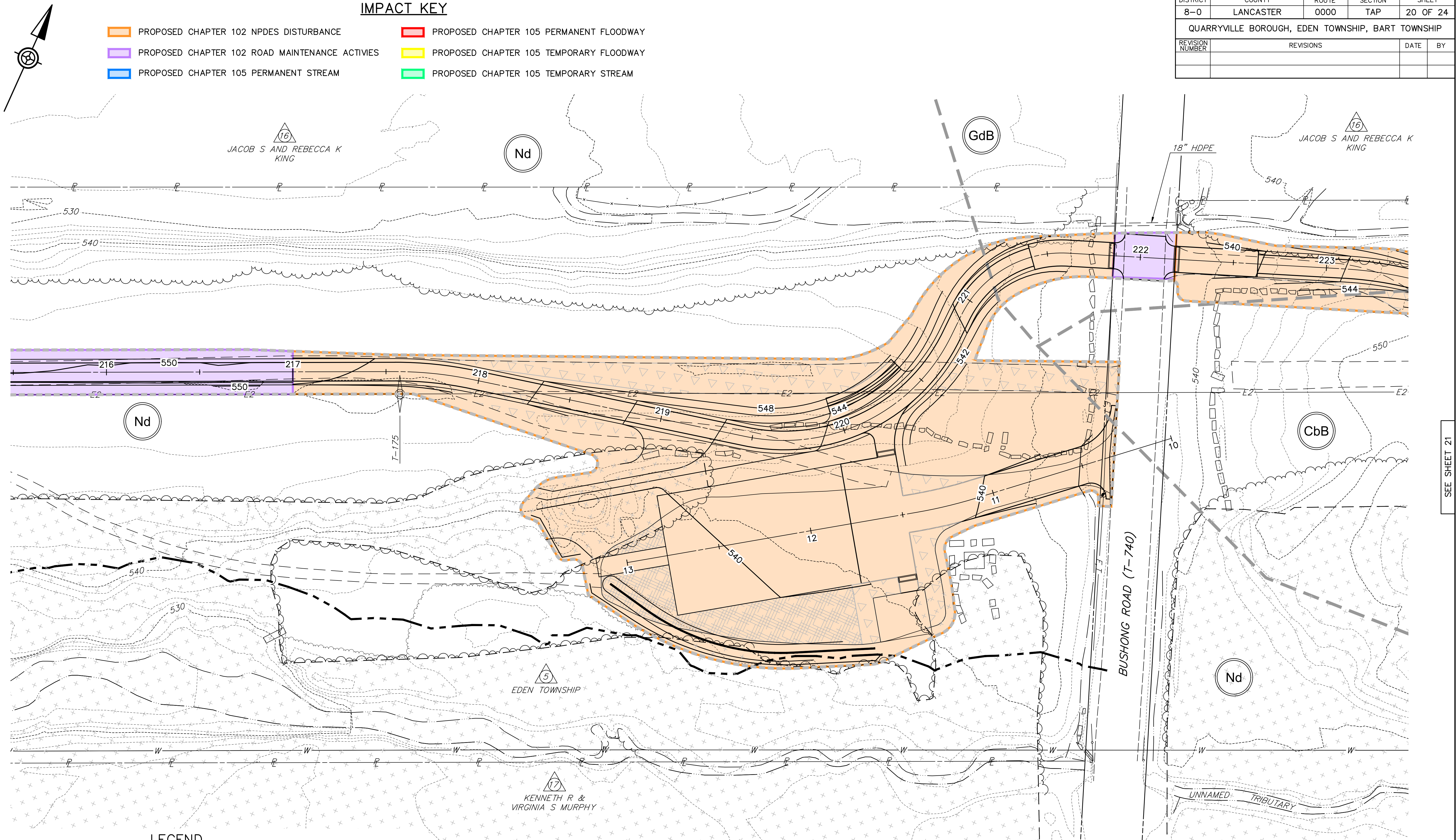




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SEE SHEET 19

SEE SHEET 21



IMPACT KEY

- PROPOSED CHAPTER 102 NPDES DISTURBANCE
- PROPOSED CHAPTER 105 PERMANENT FLOODWAY
- PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES
- PROPOSED CHAPTER 105 TEMPORARY FLOODWAY
- PROPOSED CHAPTER 105 PERMANENT STREAM
- PROPOSED CHAPTER 105 TEMPORARY STREAM

LEGEND

- LIMIT OF WORK
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING EDGE OF STREAM
- PARCEL IDENTIFICATION NUMBER - NO TAKE
- EXISTING WETLANDS
- SOIL TYPE
- SOIL BOUNDARY
- TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS
- APPROXIMATE FLOODWAY LINE

PLAN

0 25 50 FEET

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	20 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

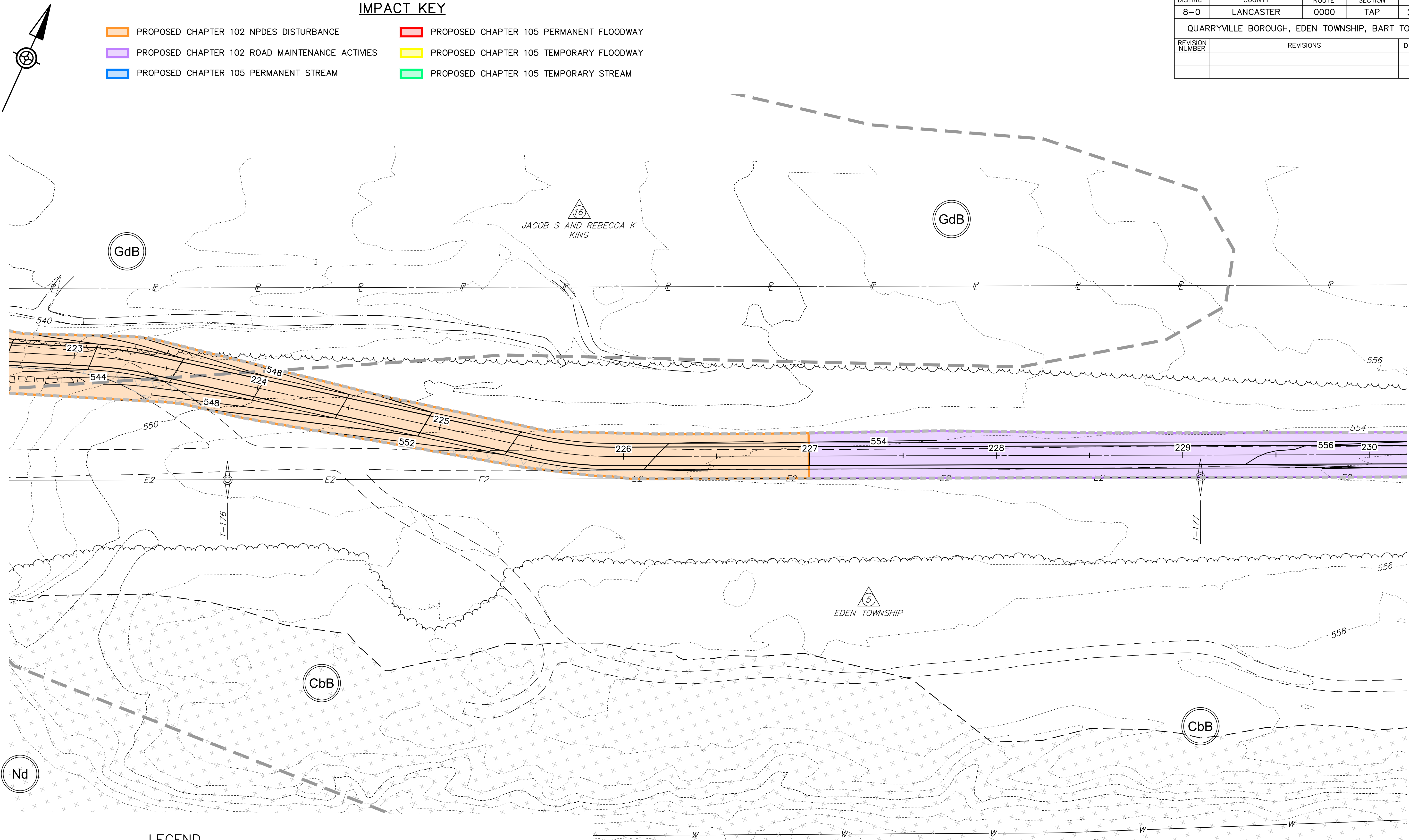
PREPARED BY:  
**WC**  
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SEE SHEET 20

SEE SHEET 22



IMPACT KEY

- PROPOSED CHAPTER 102 NPDES DISTURBANCE
- PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES
- PROPOSED CHAPTER 105 PERMANENT FLOODWAY
- PROPOSED CHAPTER 105 TEMPORARY FLOODWAY
- PROPOSED CHAPTER 105 PERMANENT STREAM
- PROPOSED CHAPTER 105 TEMPORARY STREAM

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	21 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

LEGEND

- LIMIT OF WORK
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING EDGE OF STREAM
- PARCEL IDENTIFICATION NUMBER - NO TAKE
- EXISTING WETLANDS
- SOIL TYPE
- SOIL BOUNDARY
- TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS
- APPROXIMATE FLOODWAY LINE

PLAN

0 25 50 FEET

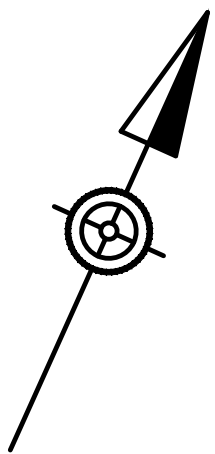
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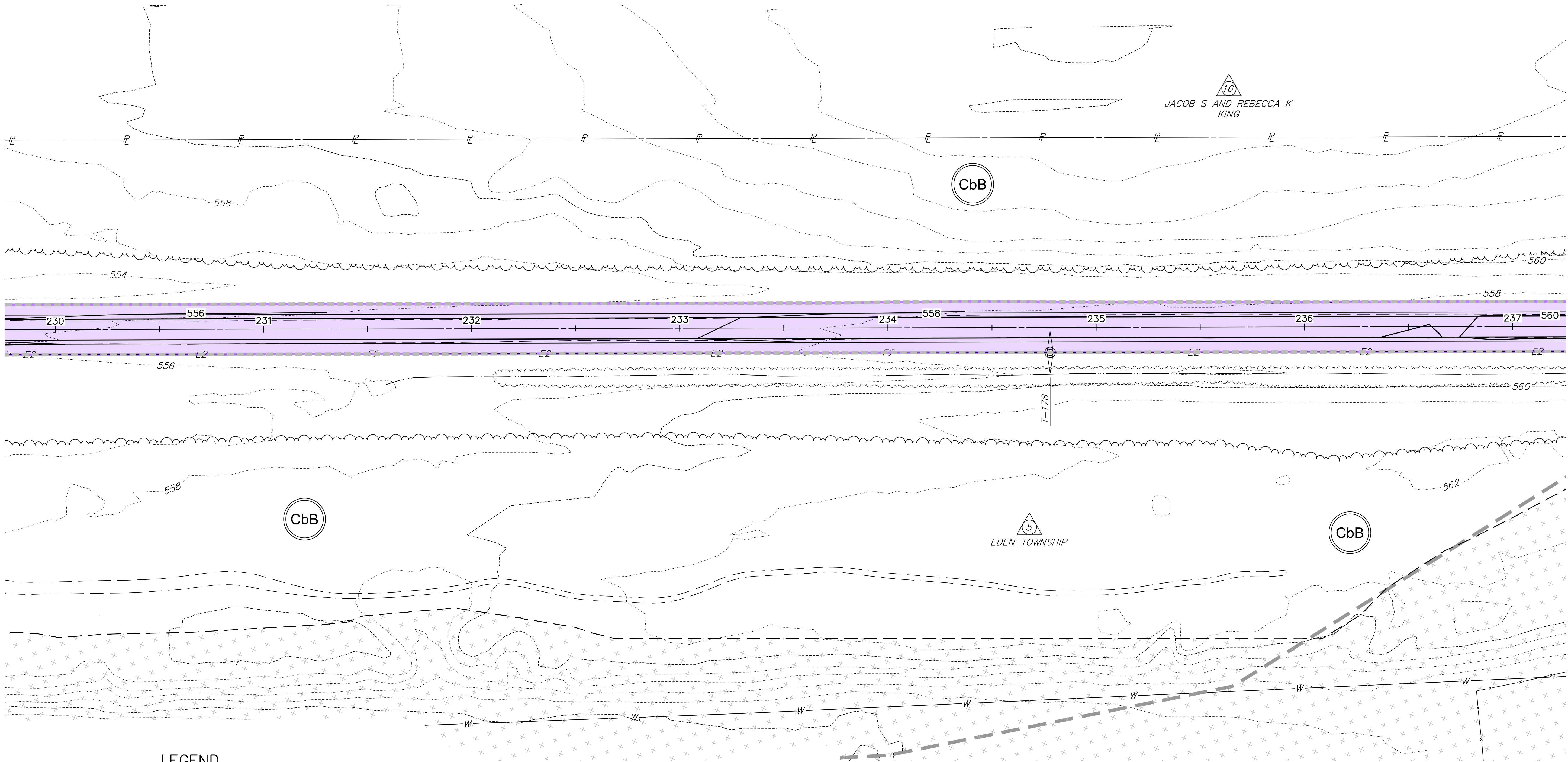
SEE SHEET 23



IMPACT KEY

- PROPOSED CHAPTER 102 NPDES DISTURBANCE
- 
- PROPOSED CHAPTER 105 PERMANENT FLOODWAY

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	22 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



LEGEND

- LIMIT OF WORK
- 
- EXISTING CONTOUR

PLAN

0 25 50 FEET

PREPARED BY:

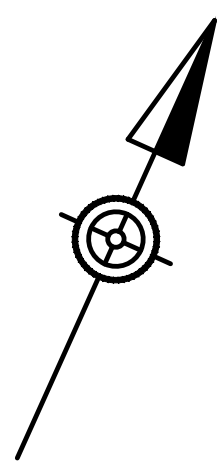
**WC**  
GROUP

WILSON CONSULTING GROUP, PC  
100 OLD SCHOOLHOUSE LANE  
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SEE SHEET 22



IMPACT KEY

- PROPOSED CHAPTER 102 NPDES DISTURBANCE

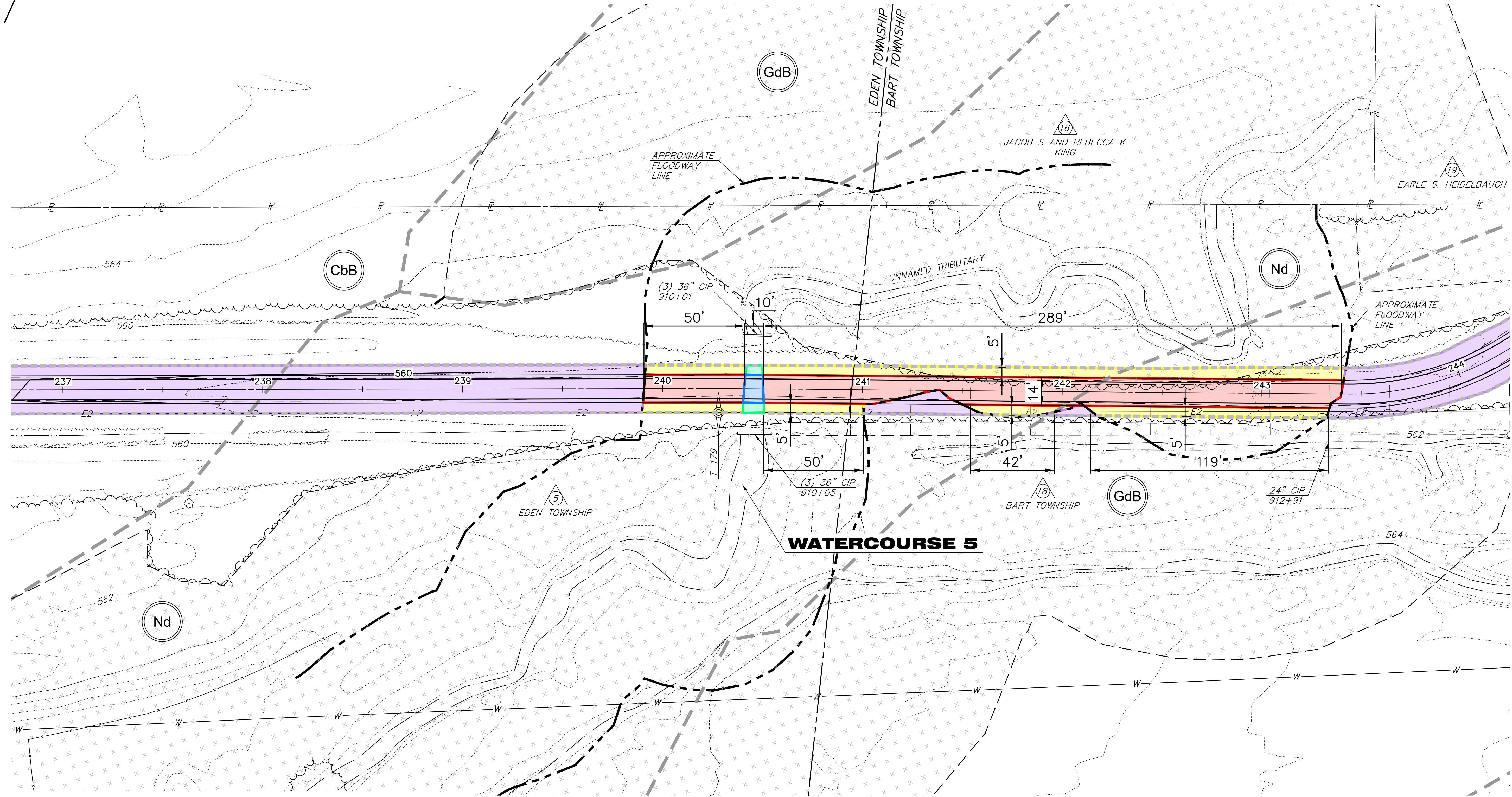
PROPOSED CHAPTER 102 ROAD MAINTENANCE ACTIVIES

PROPOSED CHAPTER 105 PERMANENT STREAM
- PROPOSED CHAPTER 105 PERMANENT FLOODWAY

PROPOSED CHAPTER 105 TEMPORARY FLOODWAY

PROPOSED CHAPTER 105 TEMPORARY STREAM

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	23 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



SEE SHEET 24

LEGEND

- LIMIT OF WORK

-----500----- EXISTING CONTOUR

————500———— PROPOSED CONTOUR

----- EXISTING EDGE OF STREAM

PARCEL IDENTIFICATION NUMBER – NO TAKE

EXISTING WETLANDS
- SOIL TYPE

----- SOIL BOUNDARY

TEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESS

----- APPROXIMATE FLOODWAY LINE

PLAN



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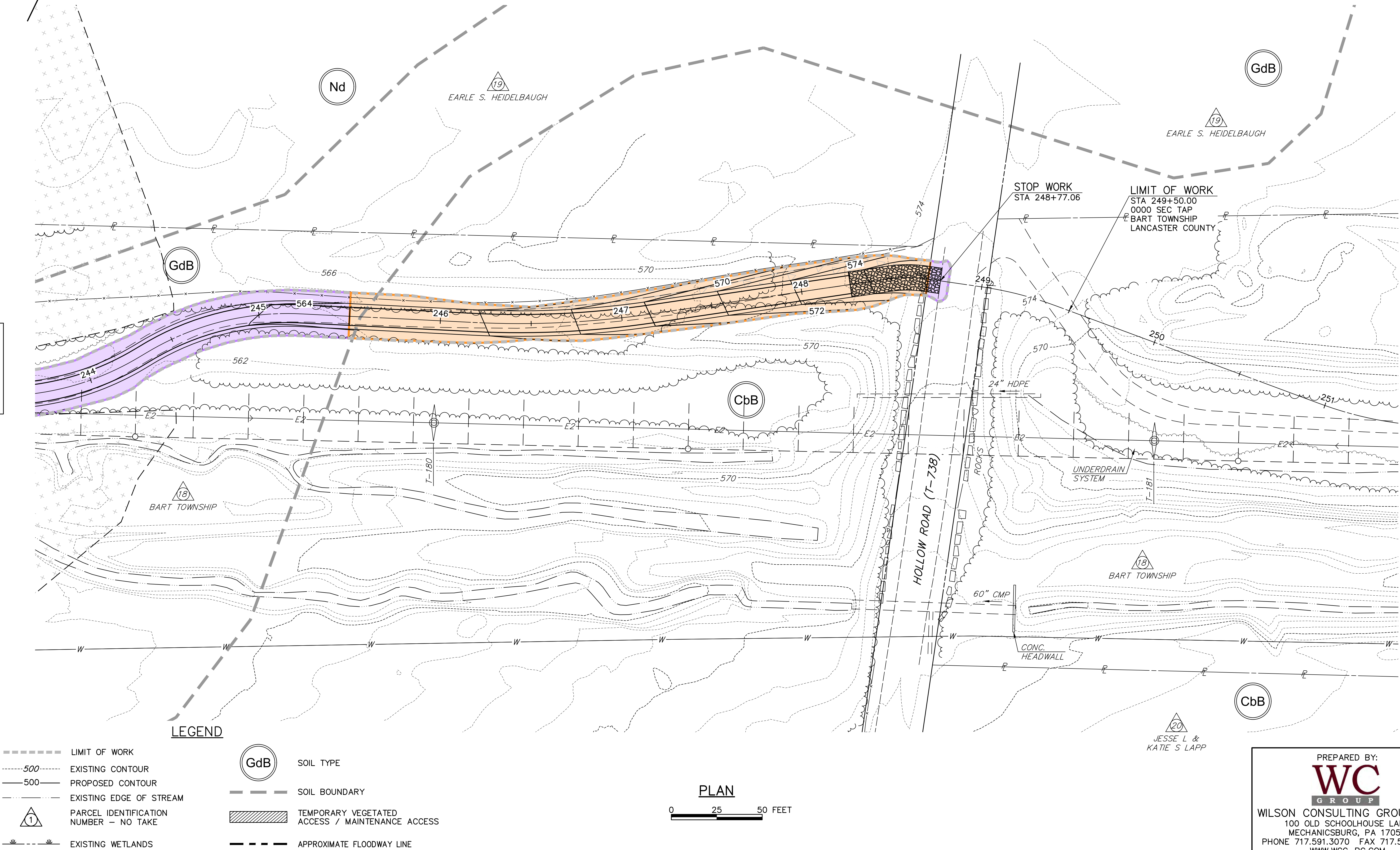
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SEE SHEET 23

IMPACT KEY

- PROPOSED CHAPTER 102 NPDES DISTURBANCE
- 
- PROPOSED CHAPTER 105 PERMANENT FLOODWAY

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
8-0	LANCASTER	0000	TAP	24 OF 24	
QUARRYVILLE BOROUGH, EDEN TOWNSHIP, BART TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



LEGEND

- LIMIT OF WORK
- 
- EXISTING CONTOUR

500EXISTING EDGE OF STREAM1EXISTING WETLANDSGdBSOIL BOUNDARYTEMPORARY VEGETATED ACCESS / MAINTENANCE ACCESSAPPROXIMATE FLOODWAY LINE

PLAN

0 25 50 FEET

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