

PRELIMINARY



NO	REVISION	DATE

SUMMIT COUNTY ENGINEER
SUMMIT COUNTY/SPRINGFIELD LAKE NO.2
WATERSHED STUDY
15% CONCEPTUAL PLAN

SUMMIT COUNTY

AKRON, OHIO

ISSUED FOR: 15% CONCEPT
 ISSUE DATE: 7/25/2024
 SCALE: AS SHOWN
 DESIGNED BY: PAB
 DRAWN BY: MRD
 CHECKED BY: PAB

OVERALL PROJECT AREAS MAP

PROJECT NO. 220741	
DISCIPLINE CIVIL	
SHEET NAME OVERALL	
SHEET 1	OF 8

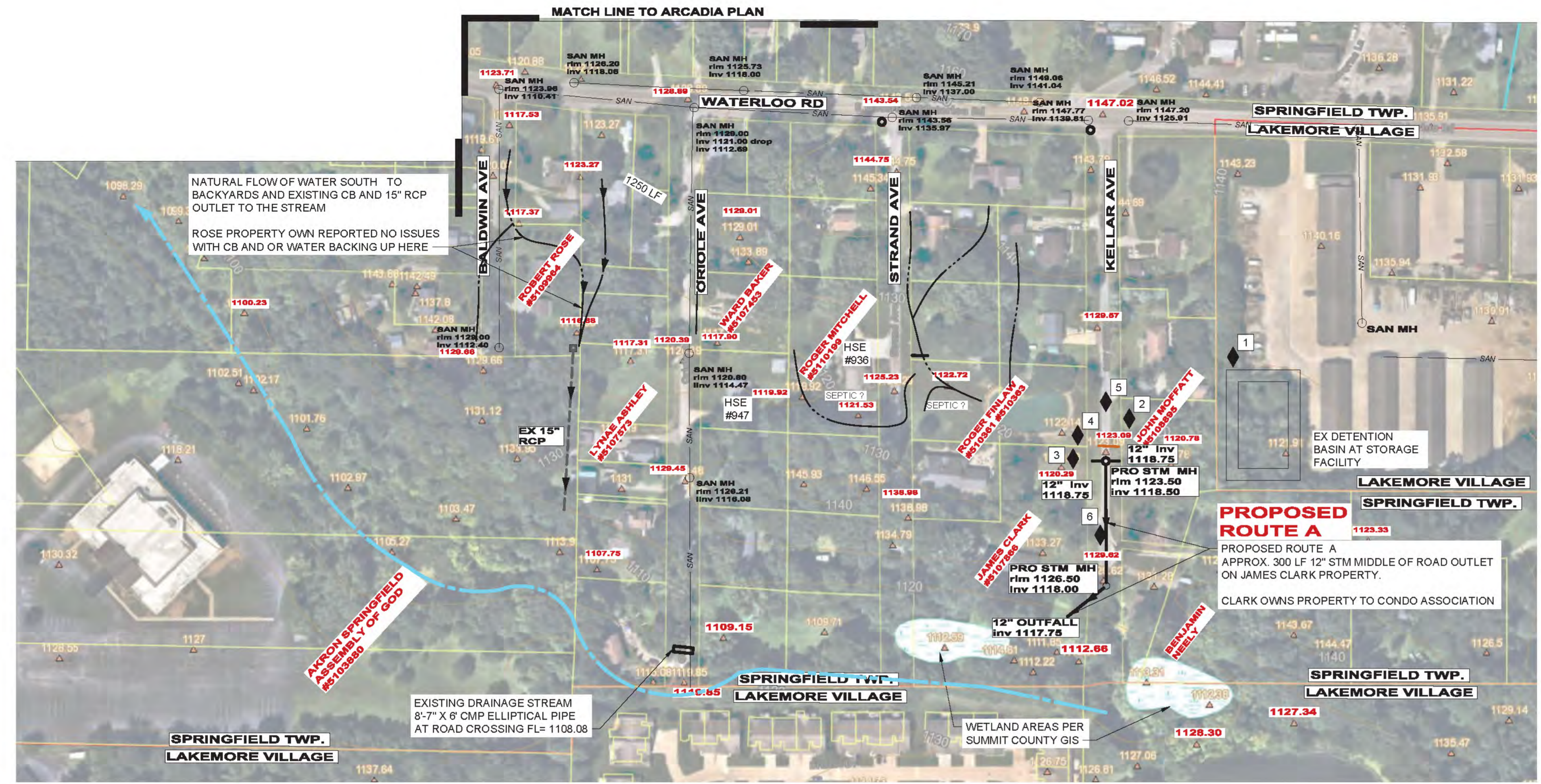
H:\2022\2024\10\GIS\PROJECTS\2024_01_OVERALL_PROJECT_AREAS_MAP.DWG - SHEET NAME: 7/25/2024 3:47:01 PM - PATRICK BLAKE

LEGEND

- PROPOSED STORM SEWER "A"
- - - EXISTING STORM SEWER
- PROPOSED CATCH BASIN
- PROPOSED STORM MANHOLE
- ◆ FIELD PHOTO LOCATION

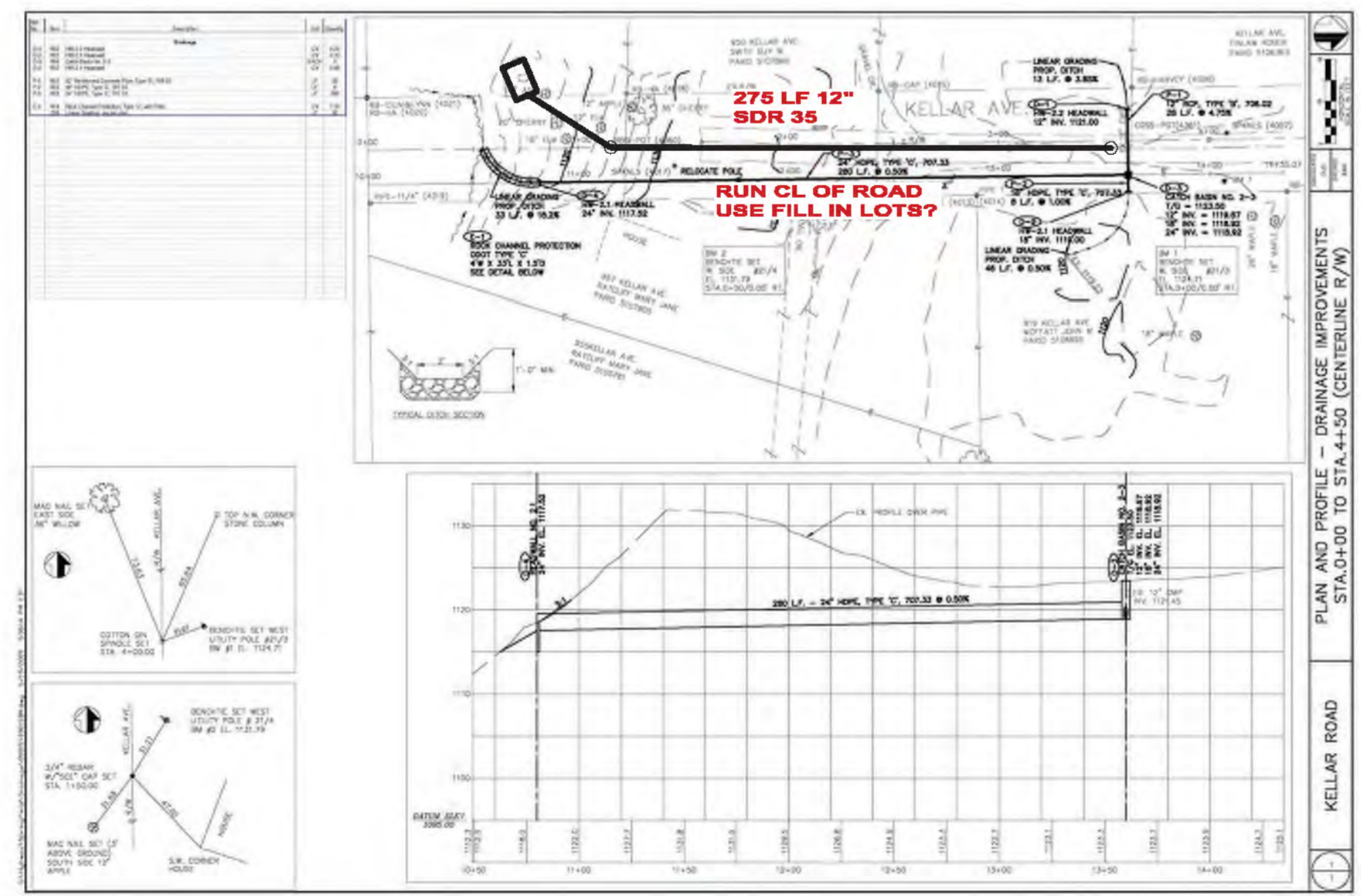
120' 0' 120'

SCALE: 1" = 120'



GENERAL NOTES

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2. EXISTING TOPOGRAPHY SHOWN WAS OBTAINED FROM SUMMIT COUNTY GIS, AND WAS NOT OBTAINED FROM A FIELD GROUND SURVEY. PROPOSED ELEVATIONS ARE APPROXIMATE AND USED FOR PLANNING AND CONSTRUCTABILITY PURPOSES.
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DRAWN BY: JK

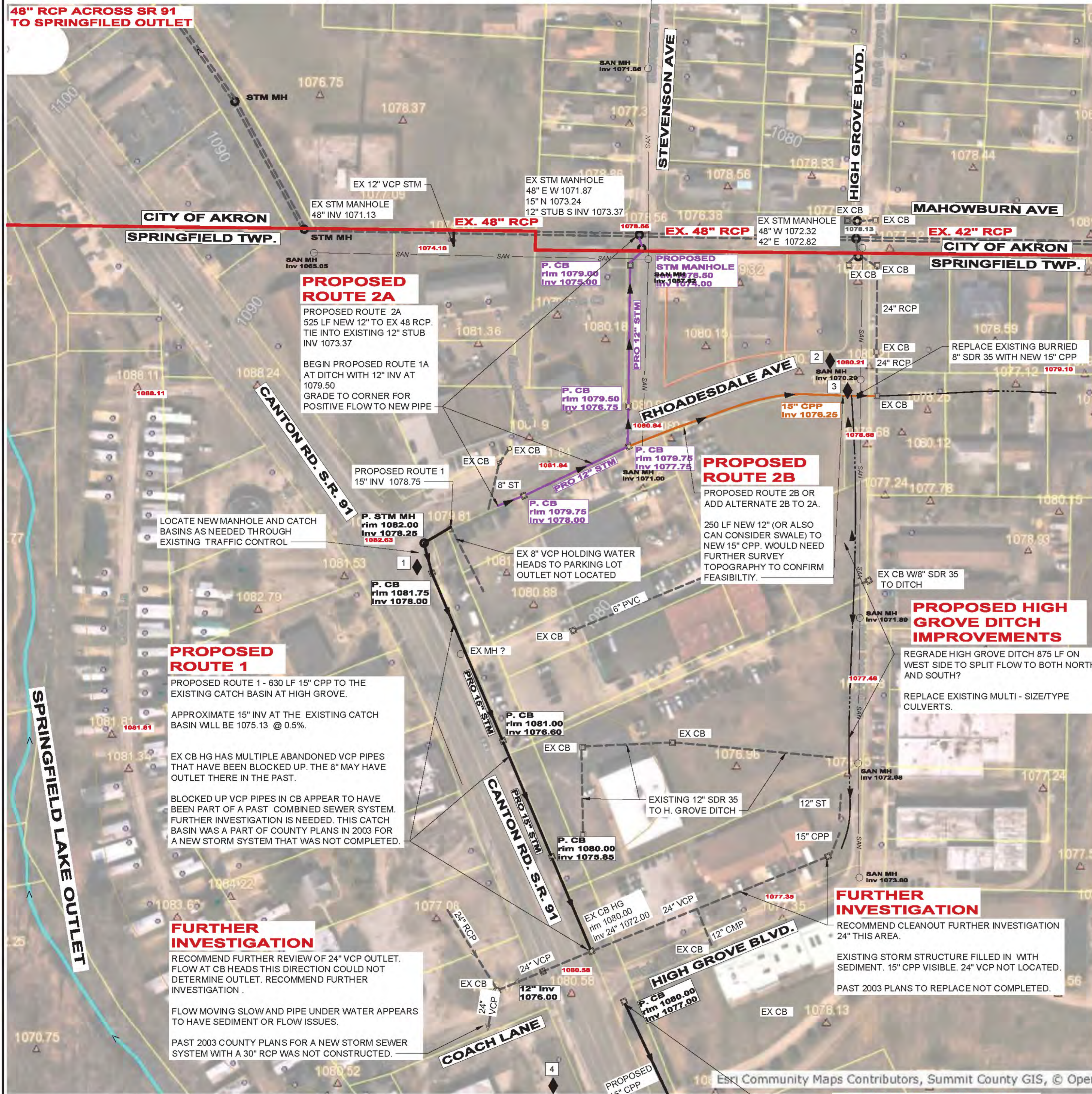
CHECKED BY: MRD

CONCEPTUAL SITE PLAN #1 - KELLAR

PROJECT NO.		220741
DISCIPLINE		CIVIL
SHEET NAME		CP-01
SHEET	OF	
2	8	

10/20/2024 10:46:06 AM B:\PROJECTS\2024\15% CONCEPTUAL PLANS\02-04-05-08-DW-9-KELLAR-7/25/2024 1:30 PM-PATRICK BLANE

48" RCP ACROSS SR 91 TO SPRINGFIELD OUTLET



PROPOSED ROUTE 2A

PROPOSED ROUTE 2A
525 LF NEW 12" TO EX 48 RCP.
TIE INTO EXISTING 12" STUB
INV 1073.37

BEGIN PROPOSED ROUTE 1A
AT DITCH WITH 12" INV AT
1079.50
GRADE TO CORNER FOR
POSITIVE FLOW TO NEW PIPE

PROPOSED ROUTE 1

PROPOSED ROUTE 1 - 630 LF 15" CPP TO THE
EXISTING CATCH BASIN AT HIGH GROVE.

APPROXIMATE 15" INV AT THE EXISTING CATCH
BASIN WILL BE 1075.13 @ 0.5%.

EX CB HG HAS MULTIPLE ABANDONED VCP PIPES
THAT HAVE BEEN BLOCKED UP. THE 8" MAY HAVE
OUTLET THERE IN THE PAST.

BLOCKED UP VCP PIPES IN CB APPEAR TO HAVE
BEEN PART OF A PAST COMBINED SEWER SYSTEM.
FURTHER INVESTIGATION IS NEEDED. THIS CATCH
BASIN WAS A PART OF COUNTY PLANS IN 2003 FOR
A NEW STORM SYSTEM THAT WAS NOT COMPLETED.

PROPOSED ROUTE 2B

PROPOSED ROUTE 2B OR
ADD ALTERNATE 2B TO 2A.

250 LF NEW 12" (OR ALSO
CAN CONSIDER SWALE) TO
NEW 15" CPP. WOULD NEED
FURTHER SURVEY
TOPOGRAPHY TO CONFIRM
FEASIBILITY.

FURTHER INVESTIGATION

RECOMMEND FURTHER REVIEW OF 24" VCP OUTLET.
FLOW AT CB HEADS THIS DIRECTION COULD NOT
DETERMINE OUTLET. RECOMMEND FURTHER
INVESTIGATION.

FLOW MOVING SLOW AND PIPE UNDER WATER APPEARS
TO HAVE SEDIMENT OR FLOW ISSUES.

PAST 2003 COUNTY PLANS FOR A NEW STORM SEWER
SYSTEM WITH A 30" RCP WAS NOT CONSTRUCTED.

FURTHER INVESTIGATION

RECOMMEND CLEANOUT FURTHER INVESTIGATION
24" THIS AREA.

EXISTING STORM STRUCTURE FILLED IN WITH
SEDIMENT. 15" CPP VISIBLE. 24" VCP NOT LOCATED.
PAST 2003 PLANS TO REPLACE NOT COMPLETED.

PROPOSED FUTURE SR 91 DRAINAGE IMPROVEMENTS

860 LF PROPOSED STORM SEWER/MOWABLE
DITCH. THIS SIDE OF CANTON ROAD.

LEGEND

- PROPOSED STORM SEWER "1"
- PROPOSED STORM SEWER "2A"
- PROPOSED STORM SEWER "2B"
- - - EXISTING DITCH LINE
- - - EXISTING STORM SEWER
- PROPOSED CATCH BASIN
- PROPOSED STORM MANHOLE
- ◆ FIELD PHOTO LOCATION

GENERAL NOTES

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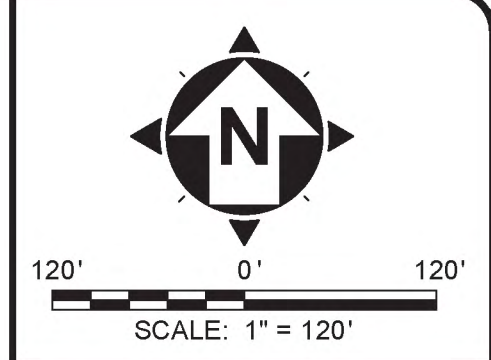
SUMMIT COUNTY ENGINEER
SUMMIT COUNTY/SPRINGFIELD LAKE NO.2 WATERSHED STUDY
15% CONCEPTUAL PLAN
SUMMIT COUNTY AKRON, OHIO

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DESIGNED BY: JK
DRAWN BY: JK
CHECKED BY: MRD

CONCEPTUAL SITE PLAN #3 - RHODSDALE

PROJECT NO. 220741
DISCIPLINE CIVIL
SHEET NAME CP-03
SHEET 4 OF 8

H:\2022\2024\16\06\16\REVISED 7:00:24 AM\2024\CONCEPTUAL PLANS\02\04\05\08\DWG - RHODSDALE AREA - 7/25/2024 2:10:30 PM - PATRICIA BLAKE

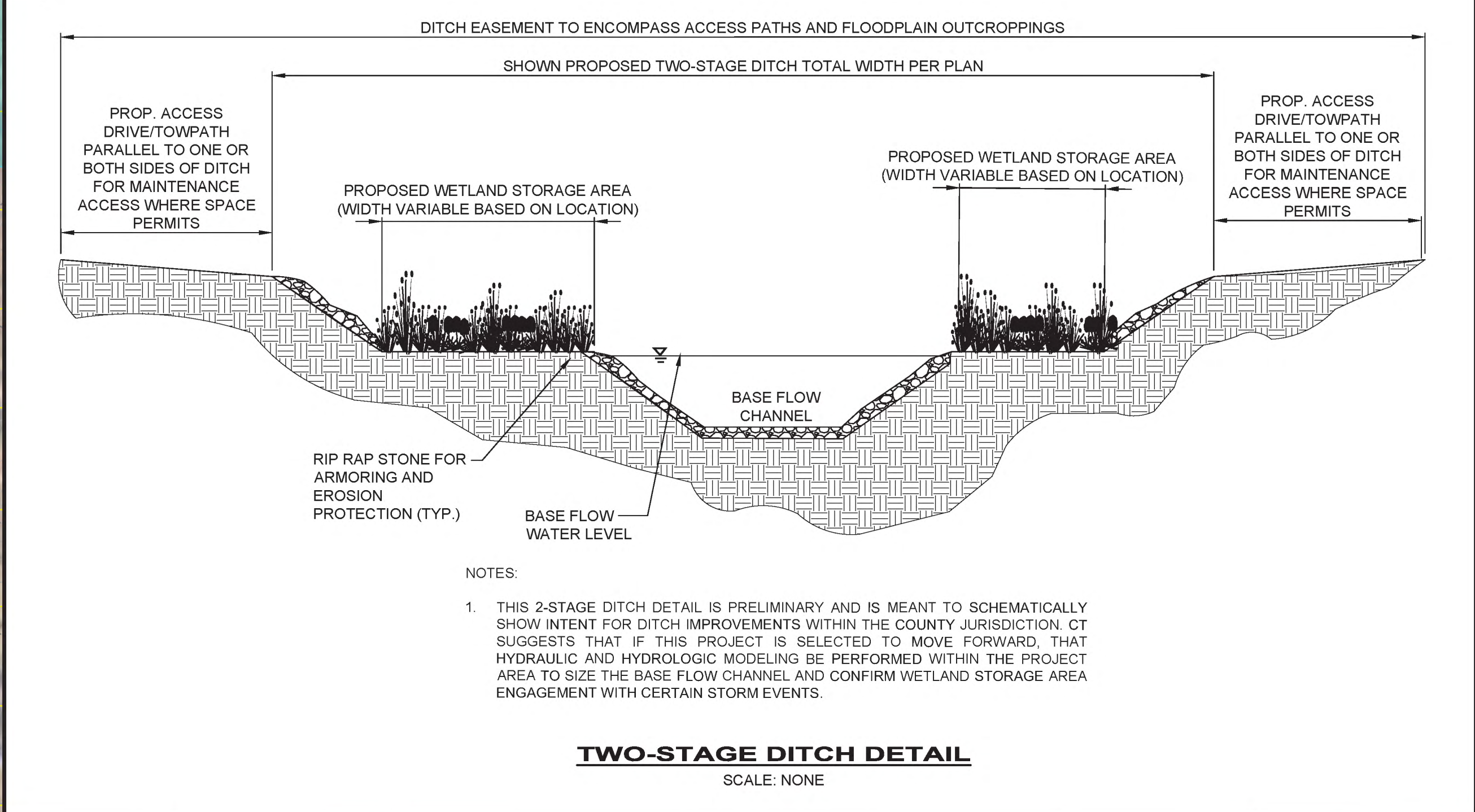
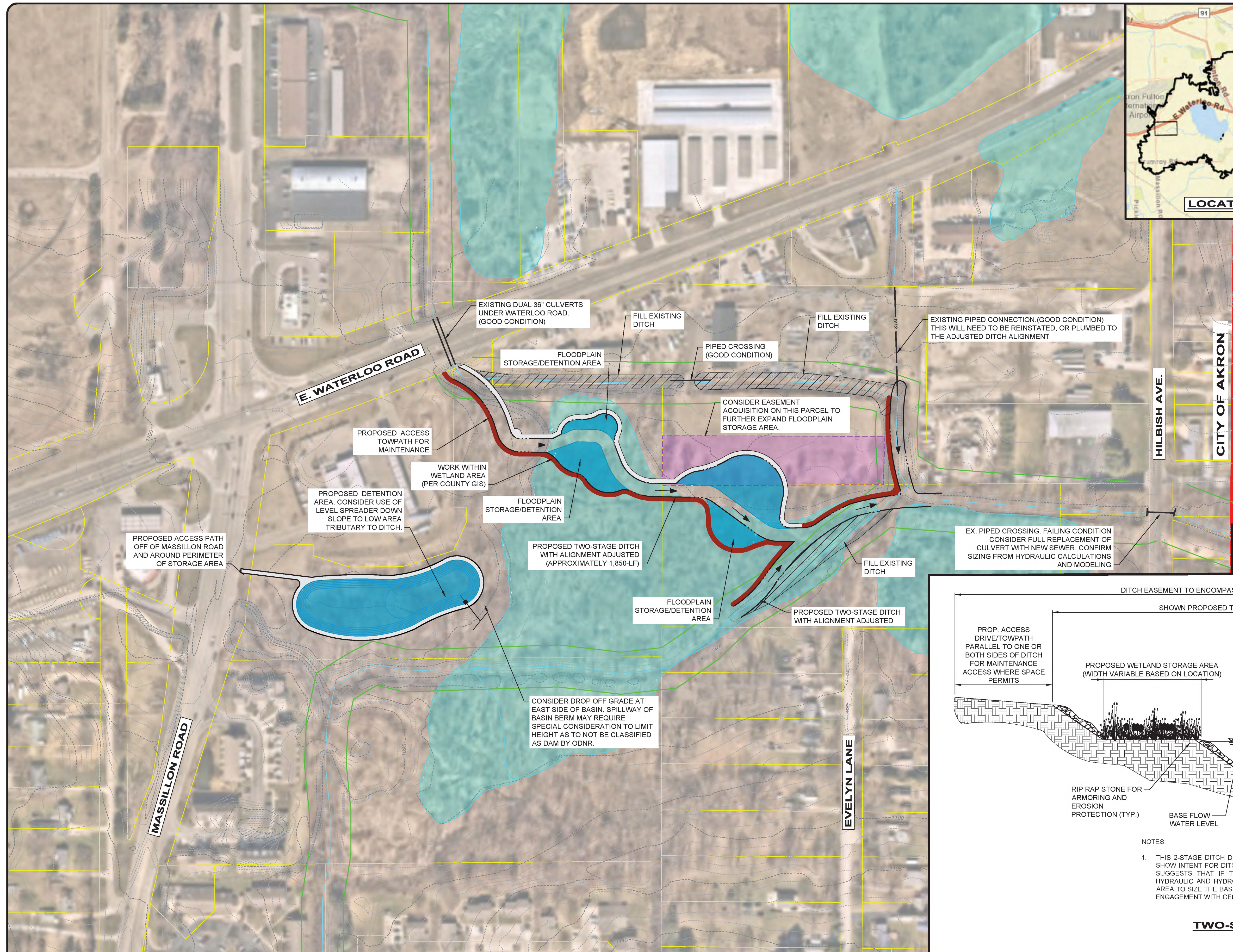


- LEGEND**
- CT MAPPED STREAM (IN FIELD)
 - PROPOSED TWO STAGE DITCH SECTION (TOP WIDTH OF CHANNEL)
 - PROPOSED FLOODPLAIN/DETENTION AREA
 - PARCEL SUBJECT TO EASEMENT ACQUISITION
 - PROPOSED ACCESS TOWPATH. KEEP TOWPATH BUFFER FREE OF TREE PLANTINGS. WIDE TRACK LIGHT TONNAGE MAINTENANCE VEHICLES ONLY.
 - PROPOSED ACCESS DRIVE WITH TURNAROUNDS FOR MAINTENANCE VEHICLES.
 - FLOW DIRECTION ARROW
 - EXISTING RIPARIAN AREA (PER SUMMIT COUNTY GIS)
 - EXISTING WETLAND AREAS (PER SUMMIT COUNTY GIS)



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SUMMIT COUNTY/SPRINGFIELD LAKE NO.2 WATERSHED STUDY 15% CONCEPTUAL PLAN

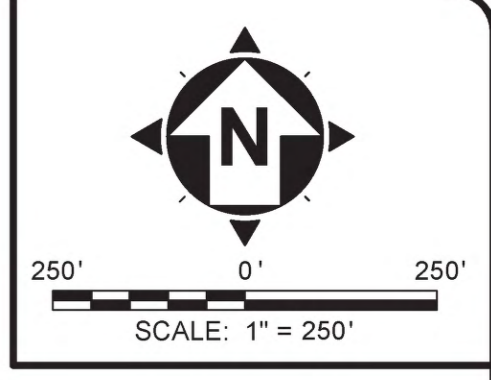
SUMMIT COUNTY AKRON, OHIO

ISSUED FOR:	15% CONCEPT
ISSUE DATE:	7/25/2024
SCALE:	AS SHOWN
DESIGNED BY:	PAB
DRAWN BY:	PAB
CHECKED BY:	MRD

CONCEPTUAL SITE PLAN #5 - MASSILLON & WATERLOO DITCH

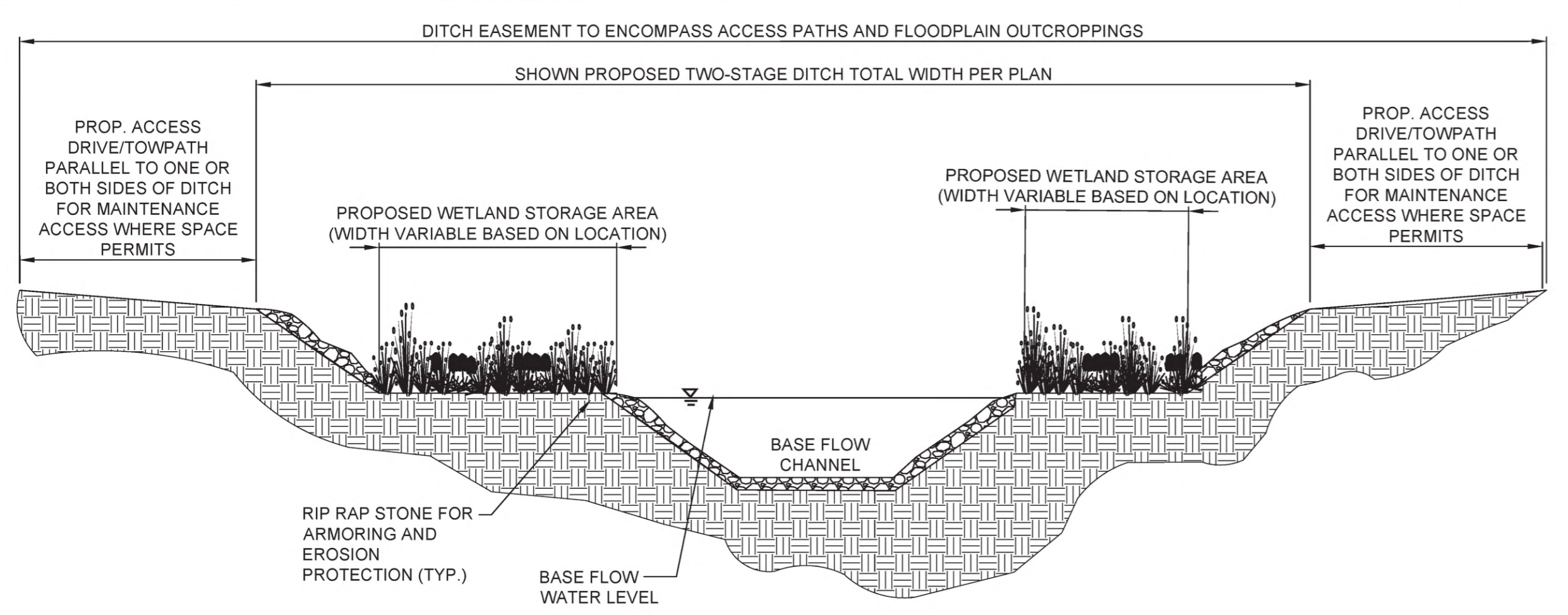
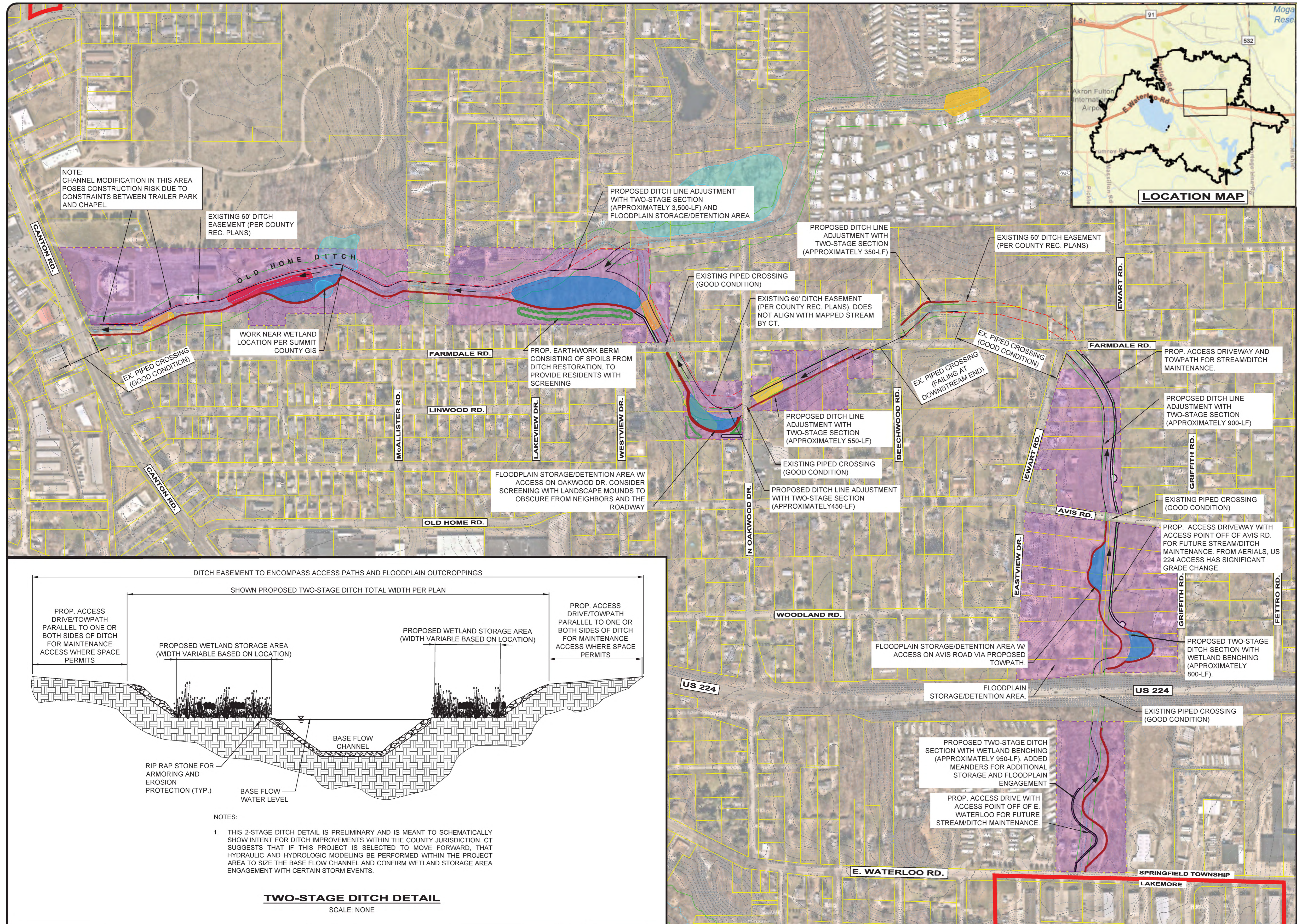
PROJECT NO.	220741
DISCIPLINE	CIVIL
SHEET NAME	CP-05
SHEET	6
OF	8

H:\2022\2024\10\25\2024\CP-05\CONCEPTUAL PLAN\MASSILLON ROAD.DWG - MASSILLON WATERLOO - 7/25/2024 2:20:00 PM - PATRICK BLANE



- LEGEND**
- CT MAPPED STREAM (IN FIELD)
 - PROPOSED TWO STAGE DITCH SECTION (TOP WIDTH OF CHANNEL)
 - PROPOSED FLOODPLAIN/DETENTION AREA
 - OBSERVED MINOR EROSION
 - OBSERVED MODERATE EROSION
 - OBSERVED MAJOR EROSION
 - PARCEL SUBJECT TO EASEMENT ACQUISITION
 - PROPOSED ACCESS TOWPATH. KEEP TOWPATH BUFFER FREE OF TREE PLANTINGS. WIDE TRACK LIGHT TONNAGE MAINTENANCE VEHICLES ONLY.
 - PROPOSED ACCESS DRIVE WITH TURNAROUNDS FOR MAINTENANCE VEHICLES.
 - PROPOSED DITCH EASEMENT
 - FLOW DIRECTION ARROW
 - EXISTING RIPARIAN AREA (PER SUMMIT COUNTY GIS)
 - EXISTING WETLAND AREAS (PER SUMMIT COUNTY GIS)

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 - EXISTING EASEMENT LINEWORK IS SHOWN FOR INTENT AND BASED ON BEST AVAILABLE COUNTY RECORDS FOR THE AREA. THE EXTENTS AND VALIDITY OF EASEMENTS SHOWN HEREIN SHOULD NOT BE ASSUMED TO BE COMPLETE OR TOTALLY ACCURATE. EASEMENT LINEWORK HAS BEEN DRAWN AS INDICATED IN RECORD PLANS. BREAKS IN THE EASEMENT LINEWORK MAY INDICATE EASEMENT DO NOT EXIST ALONG THE ENTIRE DITCH.
 - WETLAND AND STREAM INFORMATION SHOWN WAS OBTAINED FROM THE NATIONAL WETLAND INVENTORY MAPS AND PRELIMINARY WETLAND DETERMINATIONS DURING SITE VISITS CONDUCTED BY CT CONSULTANTS, INC BETWEEN NOVEMBER 2023 TO FEBRUARY 2024.
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NOTES:
 1. THIS 2-STAGE DITCH DETAIL IS PRELIMINARY AND IS MEANT TO SCHEMATICALLY SHOW INTENT FOR DITCH IMPROVEMENTS WITHIN THE COUNTY JURISDICTION. CT SUGGESTS THAT IF THIS PROJECT IS SELECTED TO MOVE FORWARD, THAT HYDRAULIC AND HYDROLOGIC MODELING BE PERFORMED WITHIN THE PROJECT AREA TO SIZE THE BASE FLOW CHANNEL AND CONFIRM WETLAND STORAGE AREA ENGAGEMENT WITH CERTAIN STORM EVENTS.

TWO-STAGE DITCH DETAIL
 SCALE: NONE

PRELIMINARY



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SUMMIT COUNTY/SPRINGFIELD LAKE NO.2 WATERSHED STUDY
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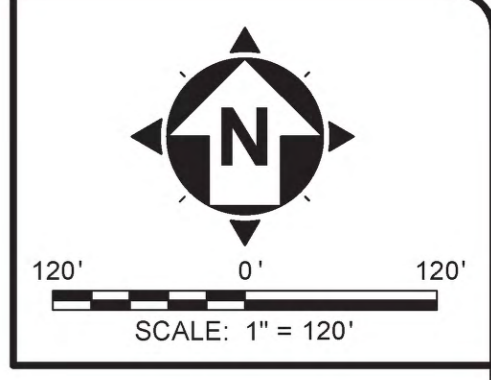
SUMMIT COUNTY AKRON, OHIO

ISSUED FOR: 15% CONCEPT
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 DRAWN BY: PAB
 CHECKED BY: MRD

CONCEPTUAL SITE PLAN #6 - OLD HOME DITCH

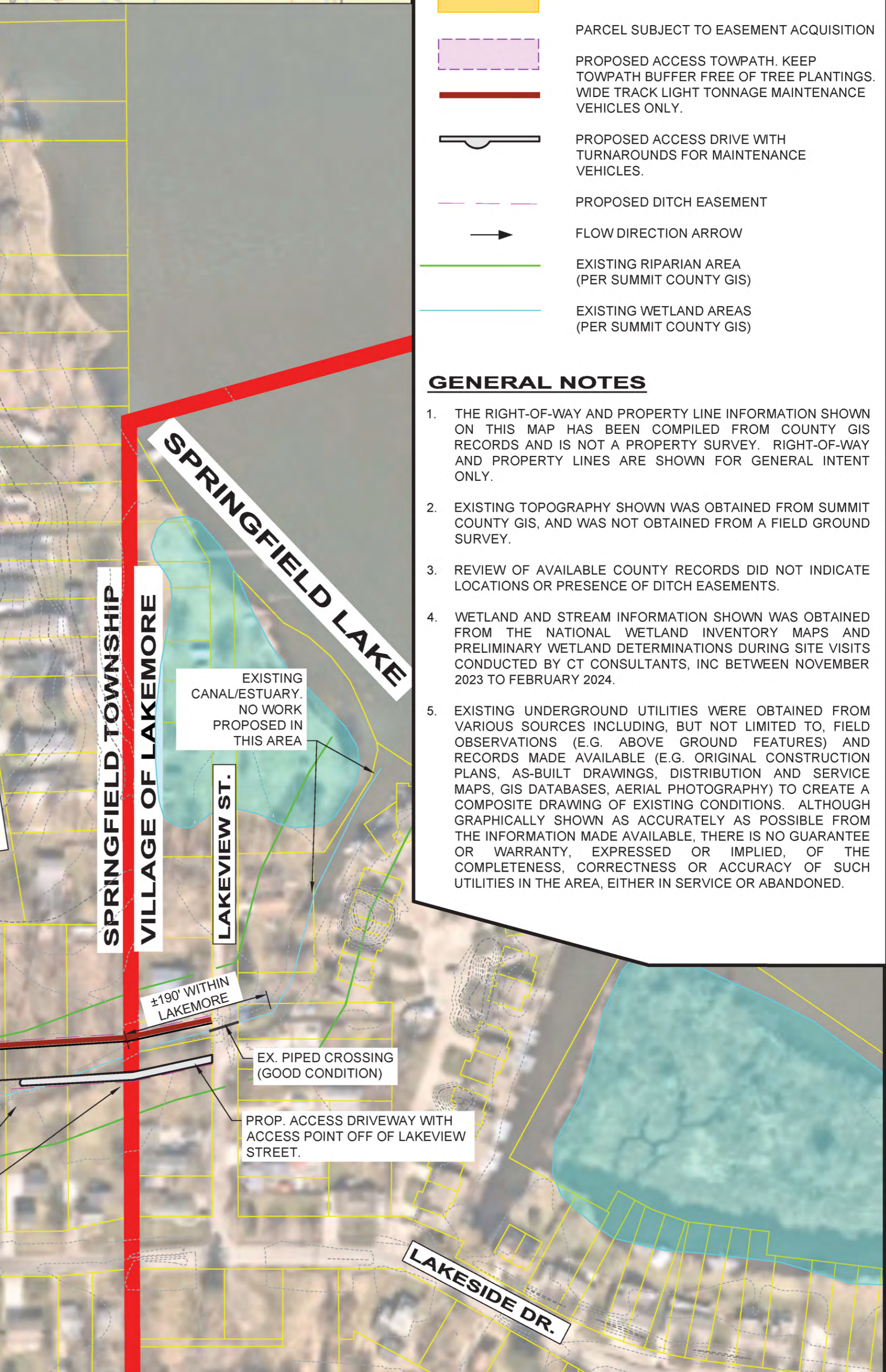
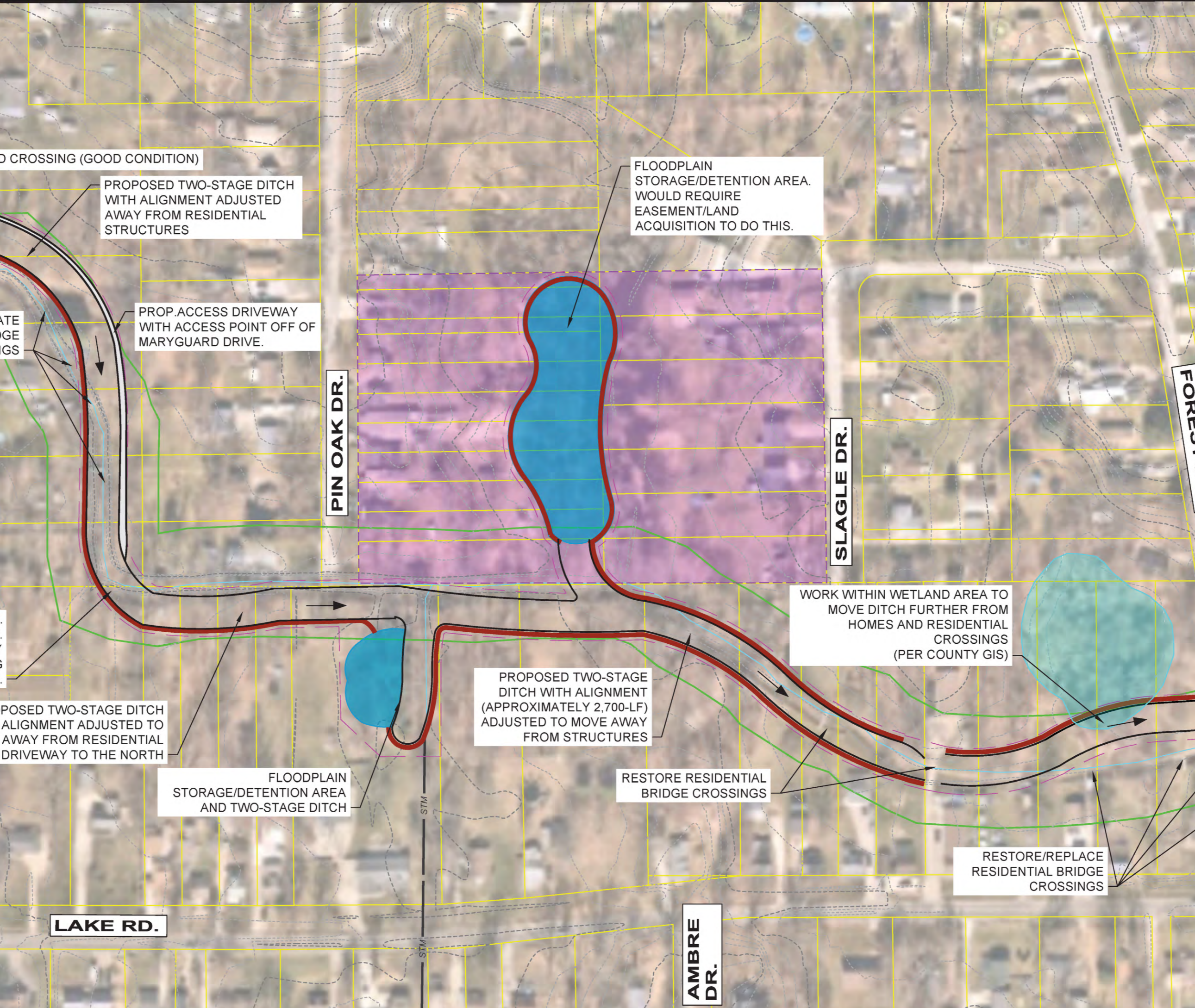
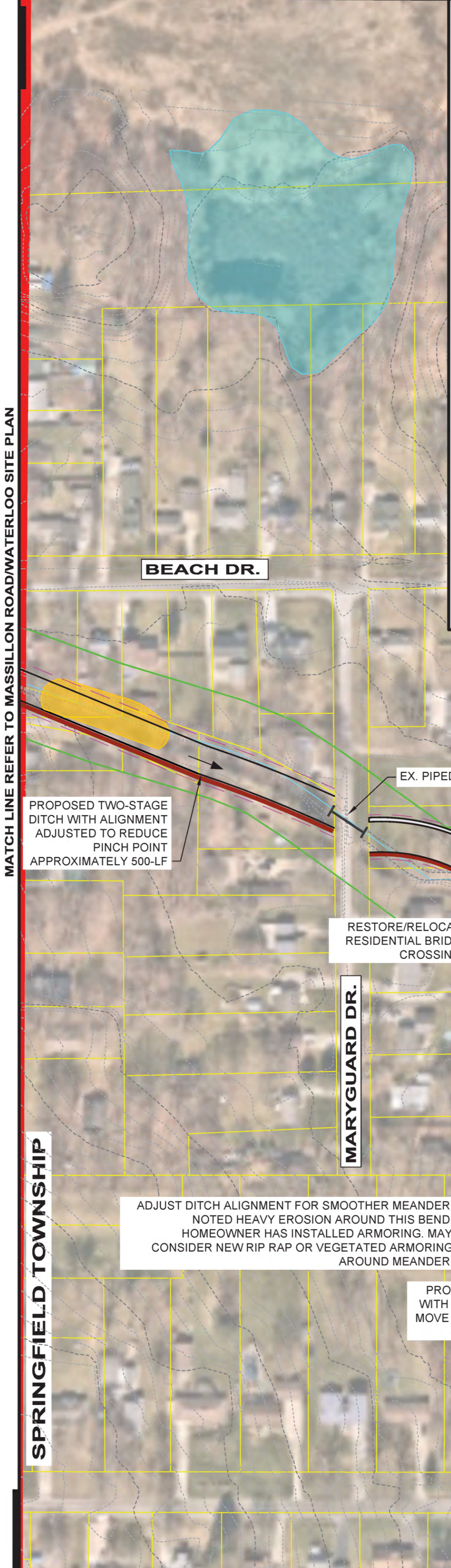
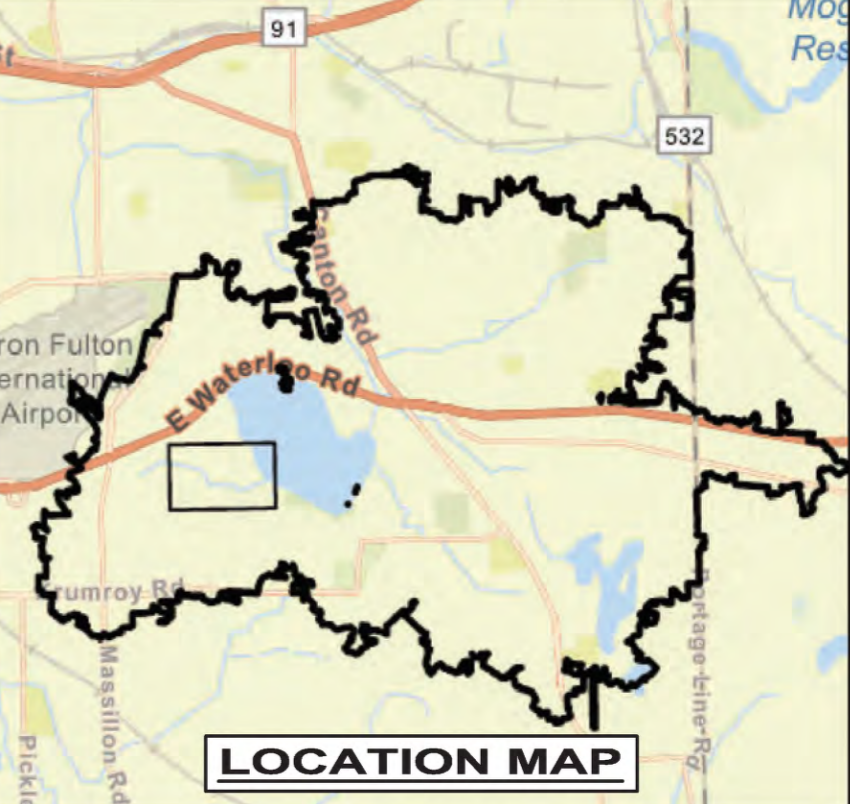
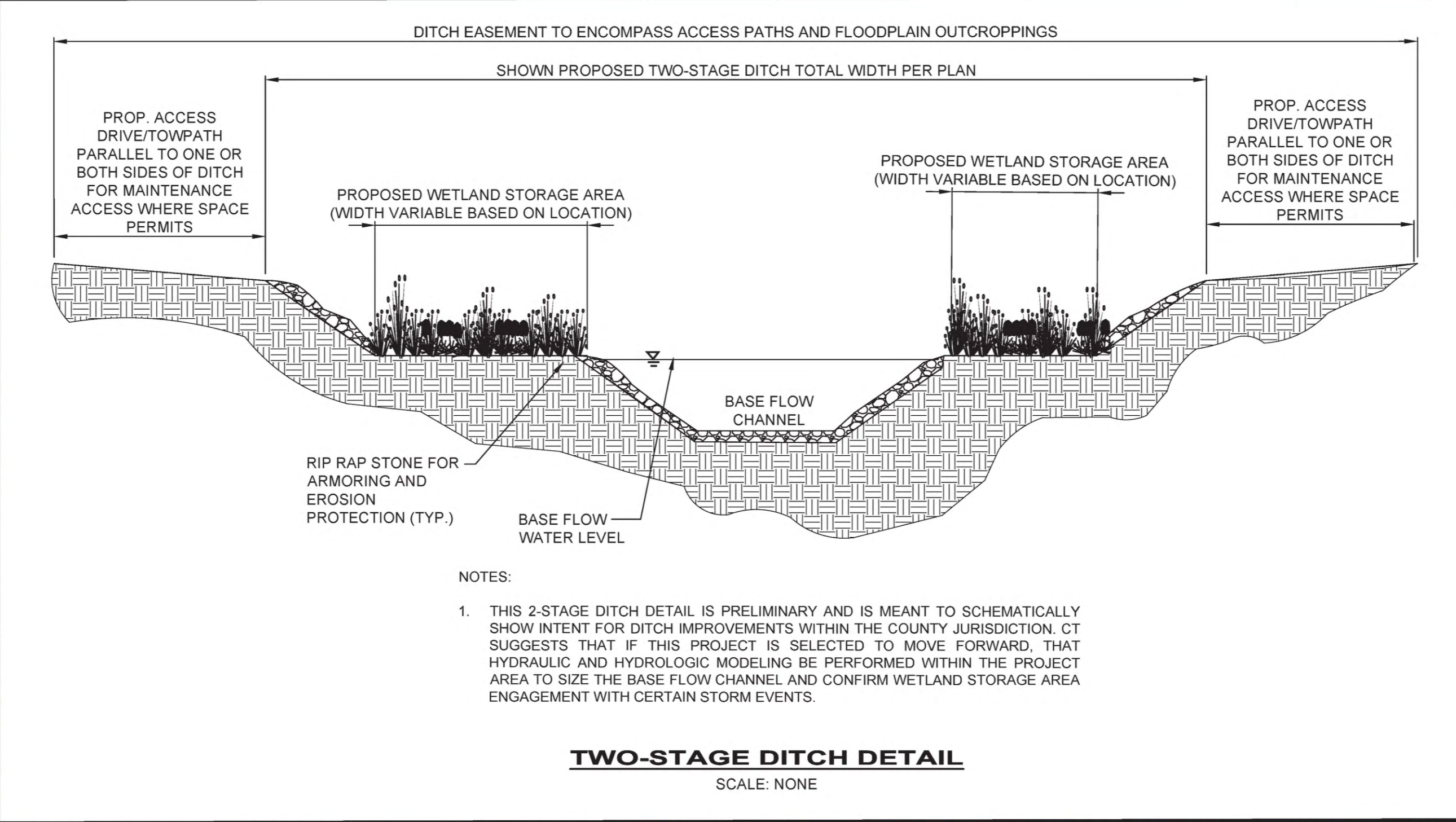
PROJECT NO. **220741**
 DISCIPLINE **CIVIL**
 SHEET NAME **CP-06**
 SHEET **7** OF **8**

H:\2024\2024\CONCEPTUAL PLAN_OLD HOME DITCH.DWG - OLD HOME DITCH - 7/25/2024 4:40:10 PM - PATRICK BLAKE



- LEGEND**
- CT MAPPED STREAM (IN FIELD)
 - PROPOSED TWO STAGE DITCH SECTION (TOP WIDTH OF CHANNEL)
 - PROPOSED FLOODPLAIN/DETENTION AREA
 - OBSERVED MODERATE EROSION
 - PARCEL SUBJECT TO EASEMENT ACQUISITION
 - PROPOSED ACCESS TOWPATH. KEEP TOWPATH BUFFER FREE OF TREE PLANTINGS. WIDE TRACK LIGHT TONNAGE MAINTENANCE VEHICLES ONLY.
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WATERSHED STUDY
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CONCEPTUAL SITE PLAN #7 - PONTIUS DITCH

PROJECT NO.		220741
DISCIPLINE		CIVIL
SHEET NAME		CP-07
SHEET	OF	8 8

H:\2022\2024\CONCEPTUAL_PLAN_PONTIUS_DITCH\DWG - PONTIUS - 1050204 43617 PW - PATRICK BLAKE