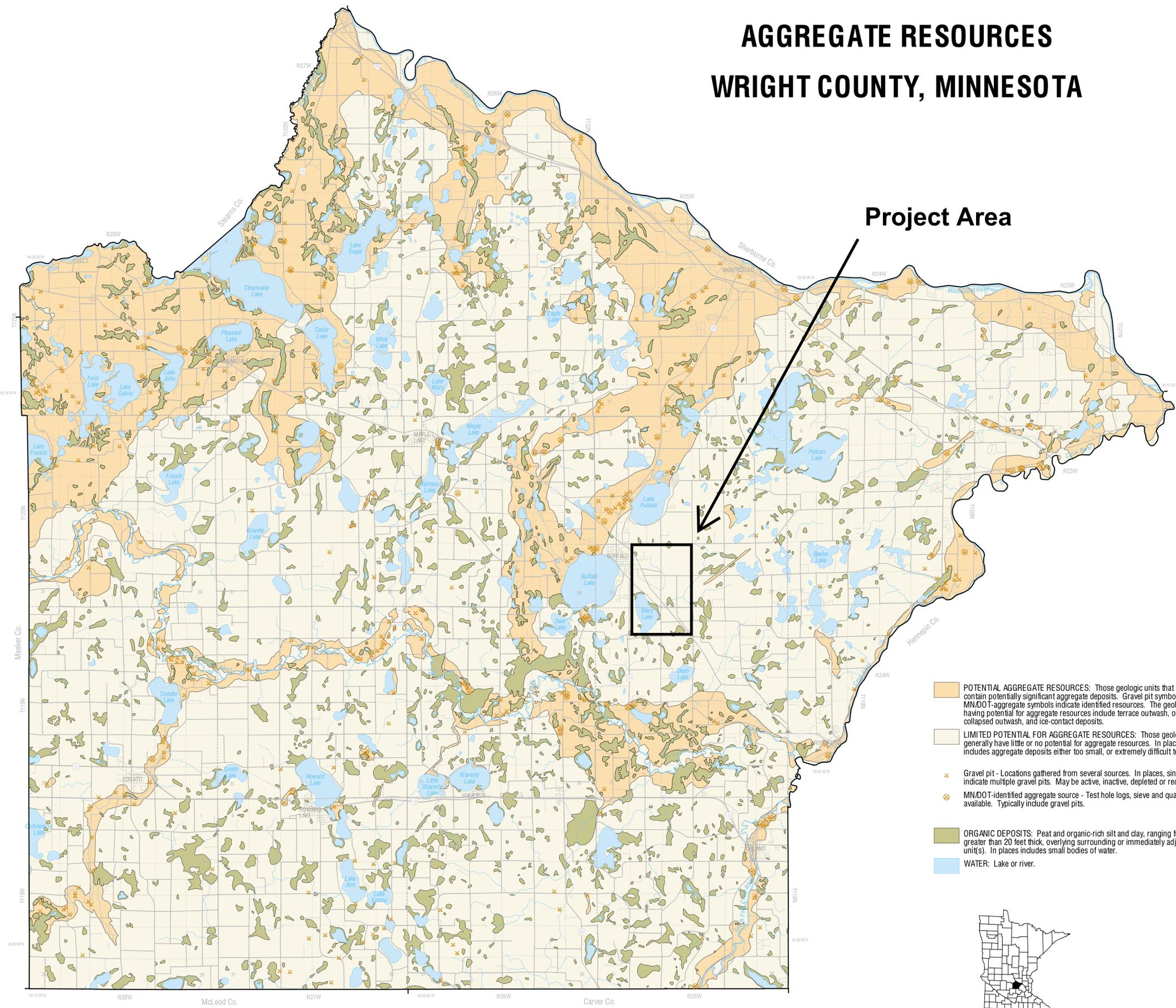


APPENDIX C
LAND USE MAPS
Part 3 of 3

AGGREGATE RESOURCES WRIGHT COUNTY, MINNESOTA

Project Area

- 
POTENTIAL AGGREGATE RESOURCES: Those geologic units that are inferred to contain potentially significant aggregate deposits. Gravel pit symbols and MN/DOT-aggregate symbols indicate identified resources. The geologic units having potential for aggregate resources include terrace outwash, outwash, collapsed outwash, and ice-contact deposits.
- 
LIMITED POTENTIAL FOR AGGREGATE RESOURCES: Those geologic units that generally have little or no potential for aggregate resources. In places, includes aggregate deposits either too small, or extremely difficult to map.
- 
ORGANIC DEPOSITS: Peat and organic-rich silt and clay, ranging from 3 to greater than 20 feet thick, overlying surrounding or immediately adjacent unit(s). In places includes small bodies of water.
- 
WATER: Lake or river.
- 
 Gravel pit - Locations gathered from several sources. In places, single symbols indicate multiple gravel pits. May be active, inactive, depleted or reclaimed.
- 
 MN/DOT-identified aggregate source - Test hole logs, sieve and quality test data available. Typically include gravel pits.

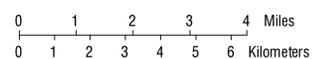


Aggregate resources: Modified from digital data associated with Lehr, J.D., 1991, Aggregate Resources and Quaternary Geology, Wright County, Minnesota, Report 294, Minnesota Department of Natural Resources, Division of Minerals.

Geology: Aerial photo interpretation and field mapping by J.D. Lehr, 1988-1989

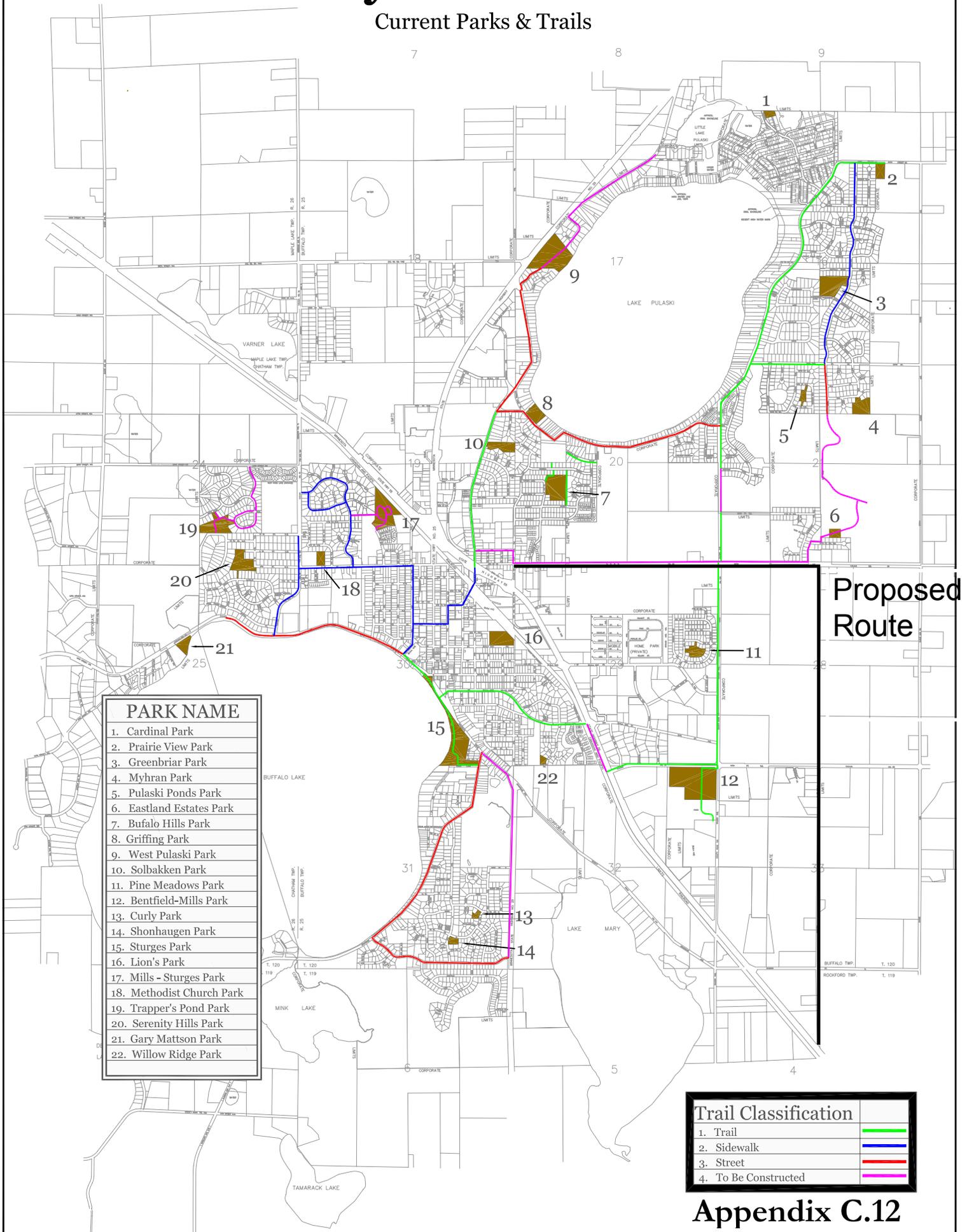
Base map: Roads and hydrography from U.S. Geological Survey, 1:100,000 Digital Line Graphs (DLGs)
Public Land Survey lines from Land Management Information Center, annotation from MN Department of Natural Resources

SCALE 1:100,000



City of Buffalo

Current Parks & Trails



PARK NAME
1. Cardinal Park
2. Prairie View Park
3. Greenbriar Park
4. Myhran Park
5. Pulaski Ponds Park
6. Eastland Estates Park
7. Bufalo Hills Park
8. Griffing Park
9. West Pulaski Park
10. Solbakken Park
11. Pine Meadows Park
12. Bentfield-Mills Park
13. Curly Park
14. Shonhaugen Park
15. Sturges Park
16. Lion's Park
17. Mills - Sturges Park
18. Methodist Church Park
19. Trapper's Pond Park
20. Serenity Hills Park
21. Gary Mattson Park
22. Willow Ridge Park

Proposed Route

Trail Classification	
1. Trail	
2. Sidewalk	
3. Street	
4. To Be Constructed	

Appendix C.13

PROJECT NO.: T11.20408
 DRAWING NAME: H:\BUFFALO\T11.20408\ALP\CAD\SLAYOUT_FAA.DWG
 PLOT DATE: 1-3-03



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DESIGNED: JSS
 DRAWN: BDS
 CHECKED: RAR

REV. NO. _____ DATE _____

BOLTON & MENK, INC
 CONSULTING ENGINEERS & SURVEYORS
 MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN
 BURNSVILLE, MN WILLMAR, MN AMES, IA LIBERTY, MO

REV. BY DATE

BUFFALO MUNICIPAL AIRPORT. BUFFALO, MINNESOTA

AIRPORT LAYOUT PLAN -- FAA

SHEET 3 OF 8

CRITICAL AIRCRAFT DATA		
	EXISTING	ULTIMATE
AIRPORT CATEGORY	A1	B1
REQUIRED LENGTH	2790 FT	3310
RUNWAY STRENGTH	12,500 SWG	12,500 SWG
WINGSPAN	49'	49'
APPROACH SPEED	90 KNOTS	120 KNOTS

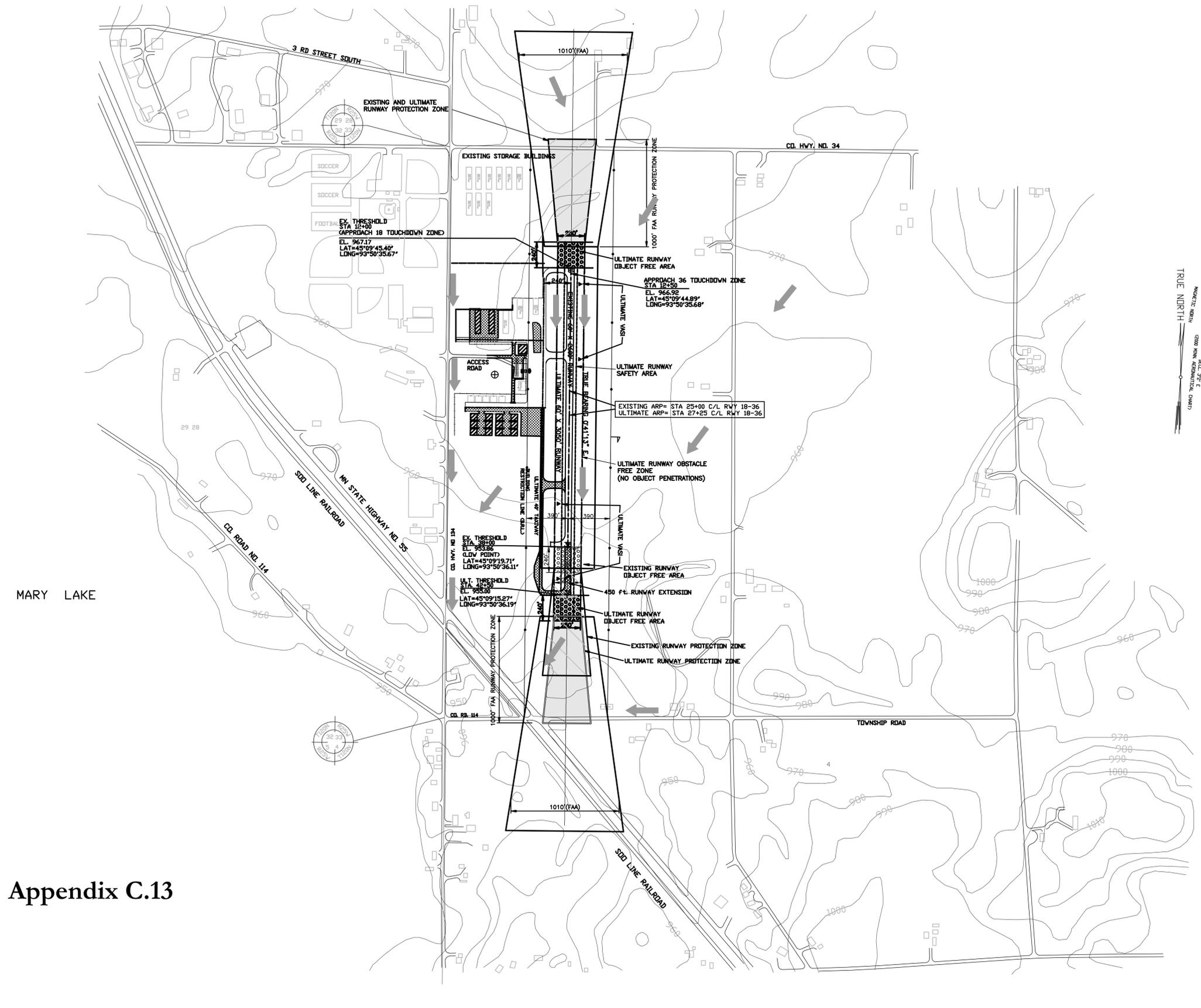
LEGEND		
	EXISTING	PROPOSED
PROPOSED BUILDING	[Symbol]	[Symbol]
GROUND CONTOURS	[Symbol]	[Symbol]
AIRPORT PROPERTY LINE	[Symbol]	[Symbol]
RUNWAY PROTECTION ZONE	[Symbol]	[Symbol]
AIRPORT REFERENCE POINT	ARP-E ⊙	ARP-P ⊙
WIND CONE	[Symbol]	[Symbol]
BUILDING RESTRICTION LINE	[Symbol]	[Symbol]
BEACON	[Symbol]	[Symbol]
UNDERGROUND TELEPHONE LINE	UT	UT
UNDERGROUND POWER LINE	UE	UE
RUNWAY END INDICATOR LIGHTS (REILS)	[Symbol]	[Symbol]
PHASE I FUTURE PAVEMENT	[Symbol]	[Symbol]
PHASE II FUTURE PAVEMENT	[Symbol]	[Symbol]
GENERAL DRAINAGE DIRECTION	[Symbol]	[Symbol]

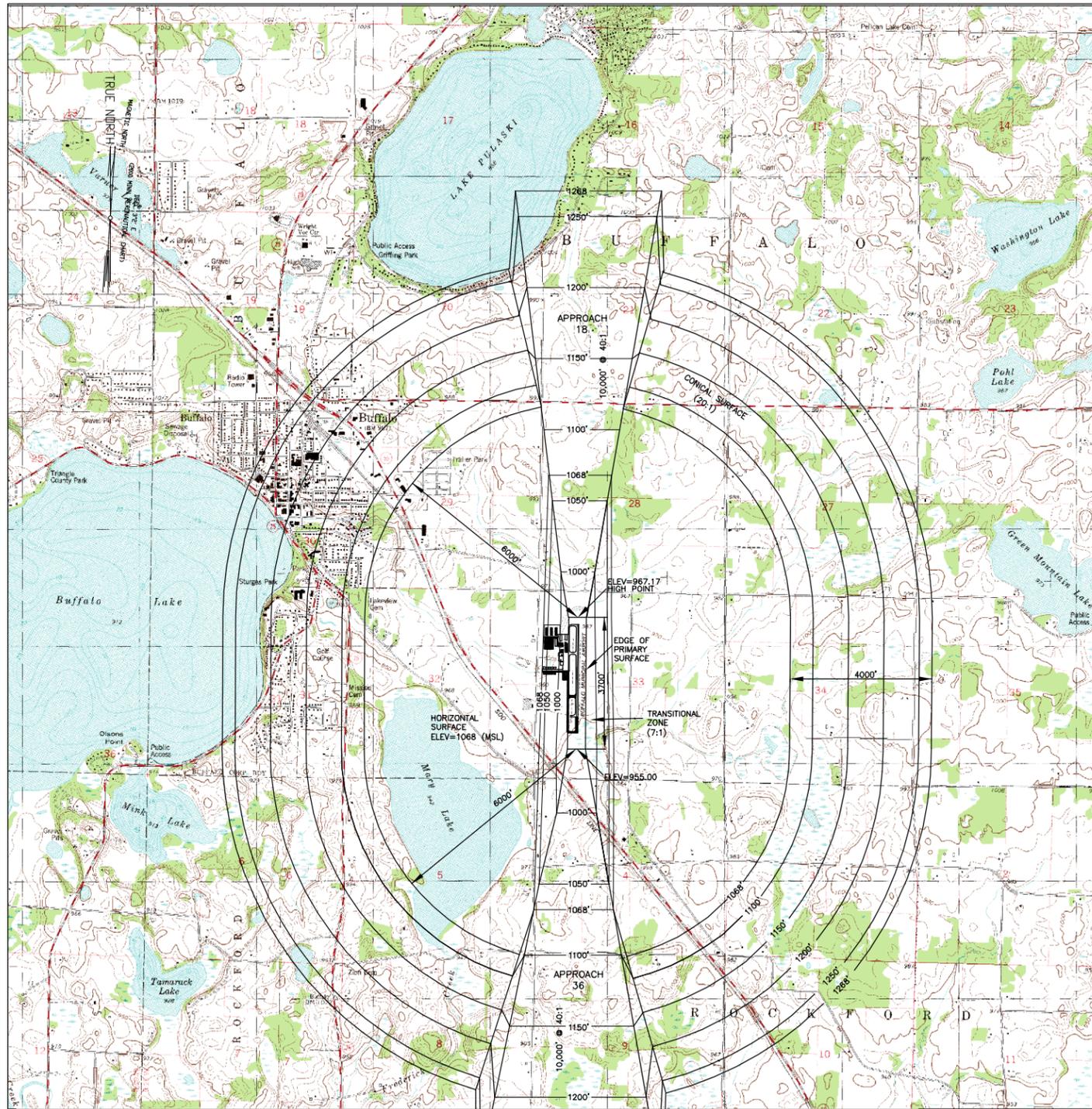
RUNWAY DATA TABLE		
	RUNWAY 18/36	
	EXISTING	ULTIMATE
EFFECTIVE GRADIENT (%)	0.51%	0.51%
% WIND COVERAGE (12 MPH)	88.7%	SAME
PAVEMENT STRENGTH (000)	12.5	SAME
APPROACH SURFACES (MNDOT)	40:1	SAME
PART 77 SLOPE (FAA)	34:1	SAME
RUNWAY LIGHTING	LIRL	MIRL
RUNWAY MARKING	VISUAL	NON PRECISION
TAXIWAY LIGHTING	NONE	MIRL
TAXIWAY MARKING	VISUAL	VISUAL
NAVIGATIONAL AIDS	REILS, LIGHTED WIND CONE	LIGHTED WIND CONE, REILS, OPS, VASI
VISIBILITY MINIMUM	(2)	(2)
RUNWAY LENGTH	2600'	3050'
PAVEMENT / SURFACE TYPE	BITUMINOUS	SAME
RUNWAY SAFETY AREA (1)	120' X 3080'	120' X 3530'
RUNWAY OBSTACLE FREE ZONE (1)	250' X 3000'	250' X 3450'
RUNWAY OBJECT FREE AREA (1)	250' X 3080'	250' X 3530'
MAGNETIC DECLINATION	3'2"	NA

- (1) Centered on runway centerlines.
- (2) Greater than or equal to 1 mile.
- (3) Dimensions are based on standards to serve small aircraft exclusively.

NOTES

1. In general, all land not needed for airport operational use should continue in its present agricultural land use.
2. Existing Airport Reference Point (ARP-E):
 RWY 18/36 STA 25+00 C/L
 LATITUDE = 45°09'32.55"
 LONGITUDE = 93°50'35.89"
3. Proposed Airport Reference Point (ARP-P):
 RWY 18/36 STA 27+25 C/L
 LATITUDE = 45°09'30.34"
 LONGITUDE = 93°50'35.93"
4. All elevations, both existing and ultimate, are NAVD88.
5. All coordinates and bearings based on NAD83.
6. Bench Mark Information:
 Capped 1/2" iron pipe on east shoulder of Co. Hwy. No. 134, 785' +/- north of airport entrance
 Wright Co. Coordinates
 N=167465.04
 E=509250.01
 ELEV=966.53
 LAT: N45°09'45.07"
 LONG: W93°50'50.91"
7. No surface gradients or side slopes for roadways shall be greater than 4:1 within the RPZ's.





AIRSPACE ZONING MAP
SCALE: 1"=2000'



LAND USE/ZONING MAP
SCALE: 1"=2000'

RUNWAY PROTECTION ZONES		
	EXISTING	ULTIMATE
A. RUNWAY OBJECT FREE AREA		
1. WIDTH (ft.)		250
2. LENGTH BEYOND R/W END (ft.)		240

NOTES:
1. SEE ZONING ORDINANCE FOR BUFFALO MUNICIPAL AIRPORT FOR ZONING RESTRICTIONS OF ZONE A, ZONE B AND ZONE C.

Appendix C.13

PROJECT NO.: T11.20408
DRAWING NAME: H:\Buff\T11.20408\ALP\CAD\6LANDUSE.dwg
PLOT DATE: 1-3-03

SCALES AS SHOWN

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REG. NO. _____ DATE _____

DESIGNED
JSS
DRAWN
BDS
CHECKED
RAR



BOLTON & MENK, INC

CONSULTING ENGINEERS & SURVEYORS
MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN
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REV.	BY	DATE

BUFFALO MUNICIPAL AIRPORT. BUFFALO, MINNESOTA

LAND USE AND AIRSPACE ZONING PLAN (MnDOT)

SHEET
6
OF
8