

Information for File #2009-02256-DJP

Applicant: Village of Pleasant Prairie

Corps Contact: Marie Kopka

Address: U.S. Army Corps of Engineers
20711 Watertown Road, Suite F.
Waukesha, Wisconsin 53186

E-Mail: Marie.H.Kopka@usace.army.mil

Phone: (262) 717-9539 ext. 4

Primary County: Kenosha

Section/Township/Range: 17 and 20, T. 1N., R. 22E

Information Complete On: February 11, 2013

Posting Expires On: February 25, 2013

Authorization Type: Section 404 Letter of Permission

This LOP modification request is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. A jurisdictional determination was made on July 6, 2010 during the original LOP authorization and was posted on the St. Paul District Website, <http://www.mvp.usace.army.mil/>. The determination concluded that the aquatic resources that were and would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act.

Project AFTER-THE-FACT APPLICATION? This is a request to modify an existing LOP authorization for discharges of fill material that have both already occurred and are proposed. The original LOP was posted on May 28, 2010.

PROJECT INVOLVES:

THREATENED OF ENDANGERED SPECIES? No.

TRIBAL TRUST OR OTHER RESOURCES? No.

A LISTED STATE-IMPAIRED WATER? No.

FEMA 100-YEAR FLOODPLAIN? No.

COASTAL RIDGE&SWALE CMPLX? No.

MINK, KAKAGON OR BAD RIVER? No.

PLEASANT PRAIRIE ADID? No.

PROJECT DESCRIPTION AND PURPOSE: The Wisconsin Department of Natural Resources ordered the Village of Pleasant Prairie (Village) to decommission Wastewater Treatment Plant (WWTP) "D". As a result, in 2010, the Village constructed a new sanitary sewer approximately 9500 linear feet long to reroute the WWTP "D" influent sewer to an existing sanitary sewer located adjacent to County Highway (CTH) H. During the installation of the sewer line, an unauthorized discharge of fill material occurred in wetlands. In addition, portions of a sewer line maintenance road/ multi-use trail system was constructed over the sewer line which also resulted in an unauthorized discharge of fill material in wetlands. The Village is requesting to modify the existing permit authorization to retain the fill in wetlands and to discharge fill material in an unnamed tributary to the Des Plaines River to complete the construction of the sewer maintenance road/multi-use trail.

NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS: The sewer line installation and construction of a 10' wide maintenance road/multi-use trail resulted in permanent impacts to 0.53 acre of wetlands adjacent to the unnamed tributary to the Des Plaines River and wetlands adjacent to Jerome Creek. A discharge of fill material in an additional 0.04 acre of the unnamed tributary is proposed for the construction of a twin box culvert stream crossing. The impacted wetlands are primarily disturbed fresh wet meadows dominated by *Phalaris arundinacea* (reed canary grass).

ALTERNATIVES CONSIDERED: Alternative designs and routes originally considered for the installation of the sewer line were not practicable because they would not accommodate gravity flow, would require the construction and maintenance of lift stations, and would result in greater wetland impact.

The location of the sewer maintenance road/multi-use trail was limited to areas in close proximity to the sewer line itself. The majority of sewer maintenance road/multi-use trail was constructed in upland area with wetland areas limited to wetlands adjacent to the unnamed tributary of the Des Plaines River and the wetlands adjacent to Jerome Creek (located near CTH H). A boardwalk design in wetland areas was not feasible because of the weight of the Vactor vehicle used for sewer maintenance. In addition, a clear span bridge design over the tributary was cost prohibitive. Wetlands could not be avoided near CTH H because of the location of an existing sanitary sewer to which the new Sewer D line connected.

COMPENSATORY MITIGATION: The applicant proposes compensatory mitigation for unavoidable impacts to 0.57 acre of aquatic resources by purchasing wetland credits from the Northland (Legacy Bogs) mitigation bank in Wood County, Wisconsin.

Additional information is available upon request.

Drawings See attached maps and drawings labeled MVP-2009-02256-DJP, Page 1 of 8 through Page 8 of 8.

Sewer D Relief Line



- ### Legend
- Major Highways**
 - Interstate
 - State Highway
 - U.S. Highways
 - County Roads
 - Local Roads
 - 24K County Boundaries**
 - Civil Towns**
 - Civil Town
 - DNR Wetland Points**
 - Excavated Pond
 - Dammed Pond
 - Wetland Too Small to Delineate
 - Filled Excavated Pond
 - Filled Dammed Pond
 - Filled Wetland Too Small to Delineate
 - Filled or Drained Wetland
 - DNR Wetland Areas**
 - Upland
 - Wetland
 - Filled or Drained Wetland
 - 24K Rivers and Shorelines**
 - Intermittent
 - Fluctuating
 - Perennial

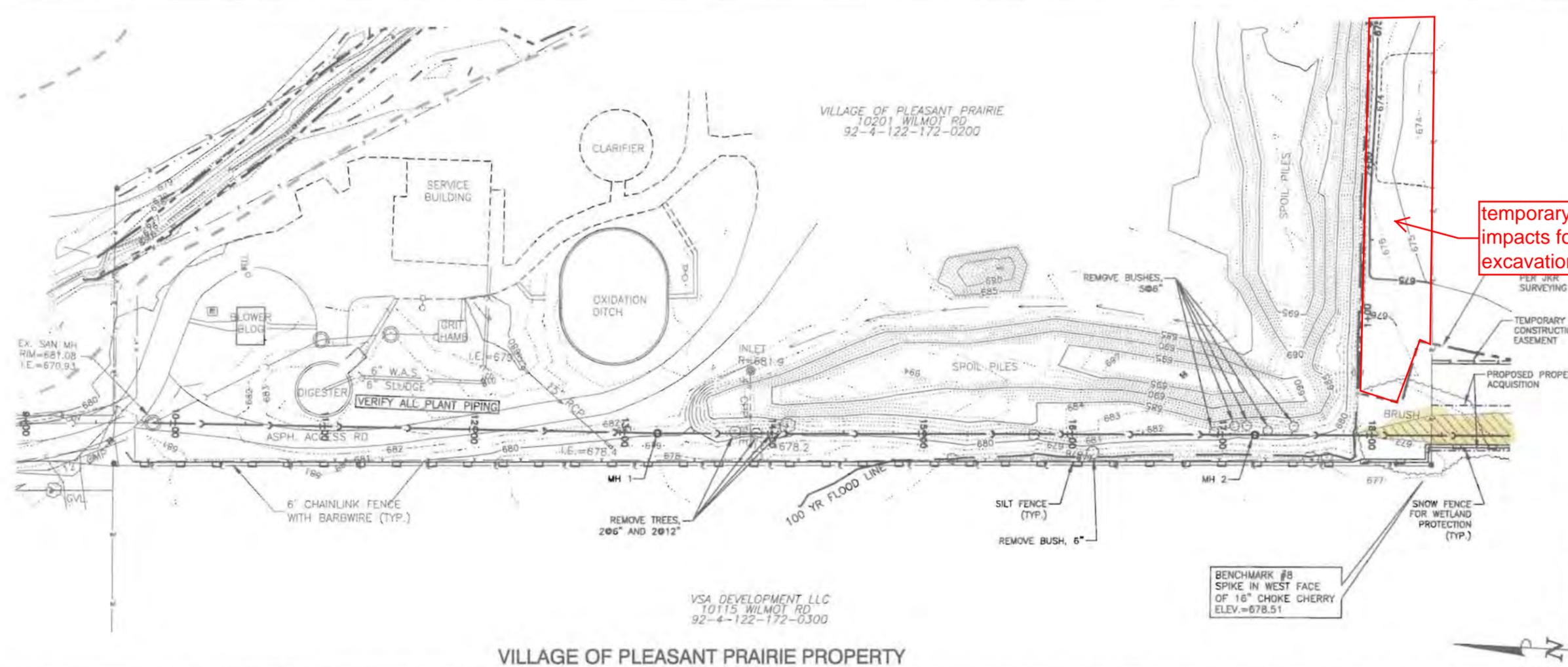


This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Notes: 2008 photo with WI Wetland Inventory and Stream Overlay



5017 GREEN BAY ROAD
SUITE 125
KENOSHA, WI 53144
PHONE : 262.657.1550
FAX : 262.657.1594



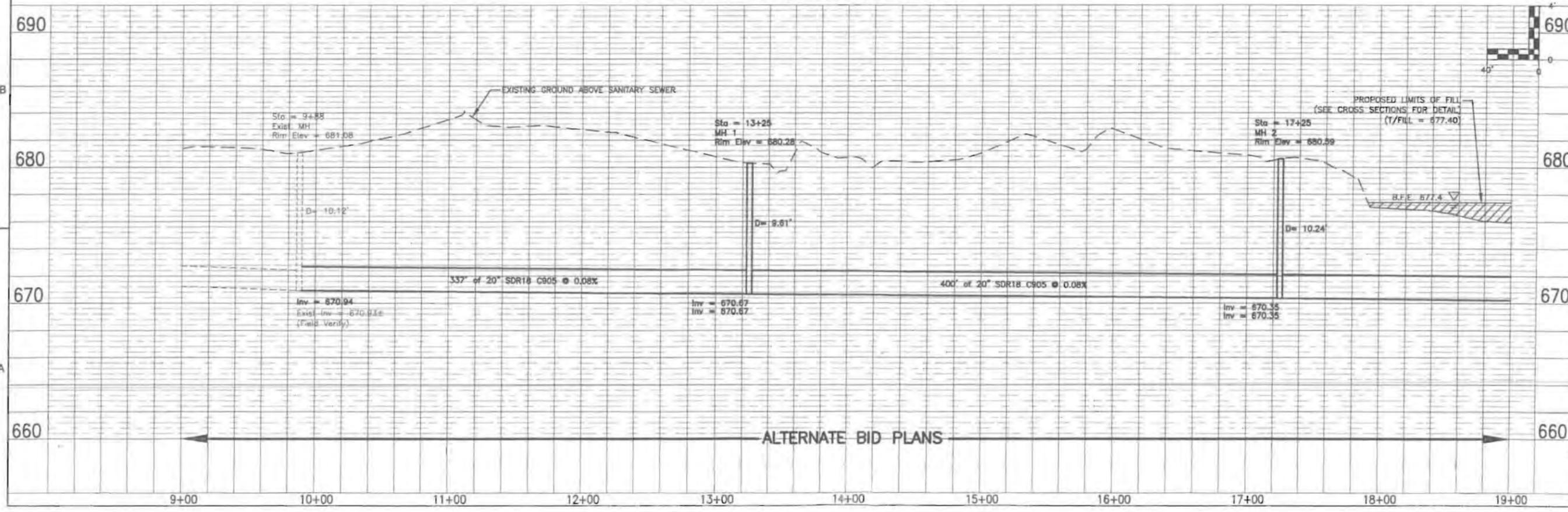
VSA DEVELOPMENT LLC
10115 WILMOT RD
92-4-122-172-0300

VILLAGE OF PLEASANT PRAIRIE PROPERTY

PROJECT TITLE
VILLAGE OF PLEASANT PRAIRIE
SEWER D
RELIEF LINE
KENOSHA COUNTY, WISCONSIN

DESIGNED BY: EKS
DRAWN BY: AJT/CTM
CHECKED BY: APW
DATE CHECKED: 4/2010
NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

DATE	REVISION



DRAWING TITLE
PLAN AND PROFILE
9+00 - 19+00

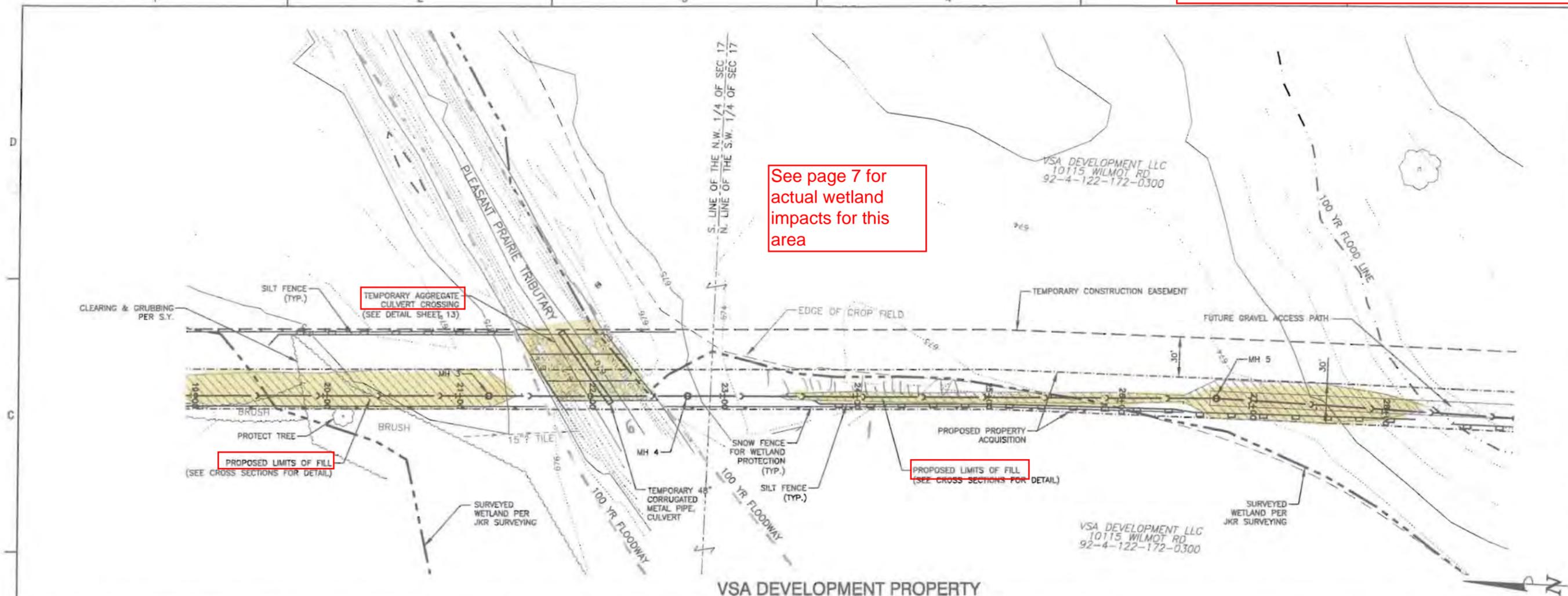
PROJECT No.
P0200041

DRAWING No.
3
SHEET 3 OF 18 SHEETS

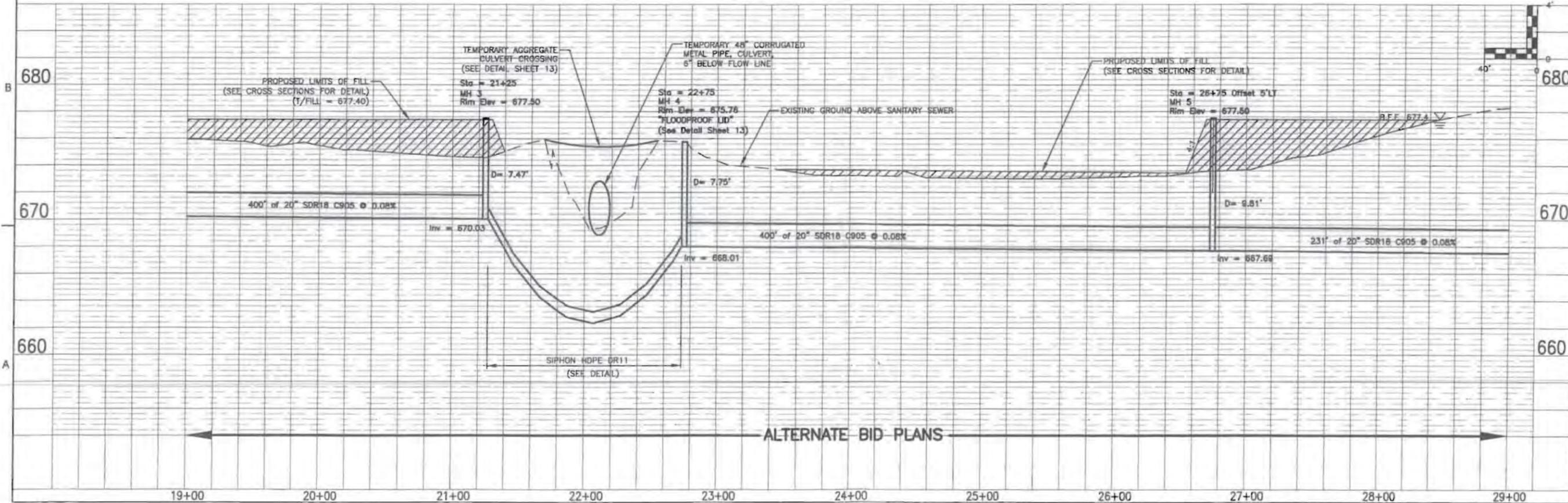


5017 GREEN BAY ROAD
SUITE 120
KENOSHA, WI 53144
PHONE : 262.657.1550
FAX : 262.657.1594

See page 7 for actual wetland impacts for this area



PROJECT TITLE
VILLAGE OF PLEASANT PRAIRIE
SEWER D
RELIEF LINE
KENOSHA COUNTY, WISCONSIN



DESIGNED BY: EKS
DRAWN BY: AJT/CTW
CHECKED BY: APR
DATE CHECKED: 4/2010
NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

DATE	REVISION

DRAWING TITLE
PLAN AND PROFILE
19+00 - 29+00

PROJECT No.
P0200041

DRAWING No.
4

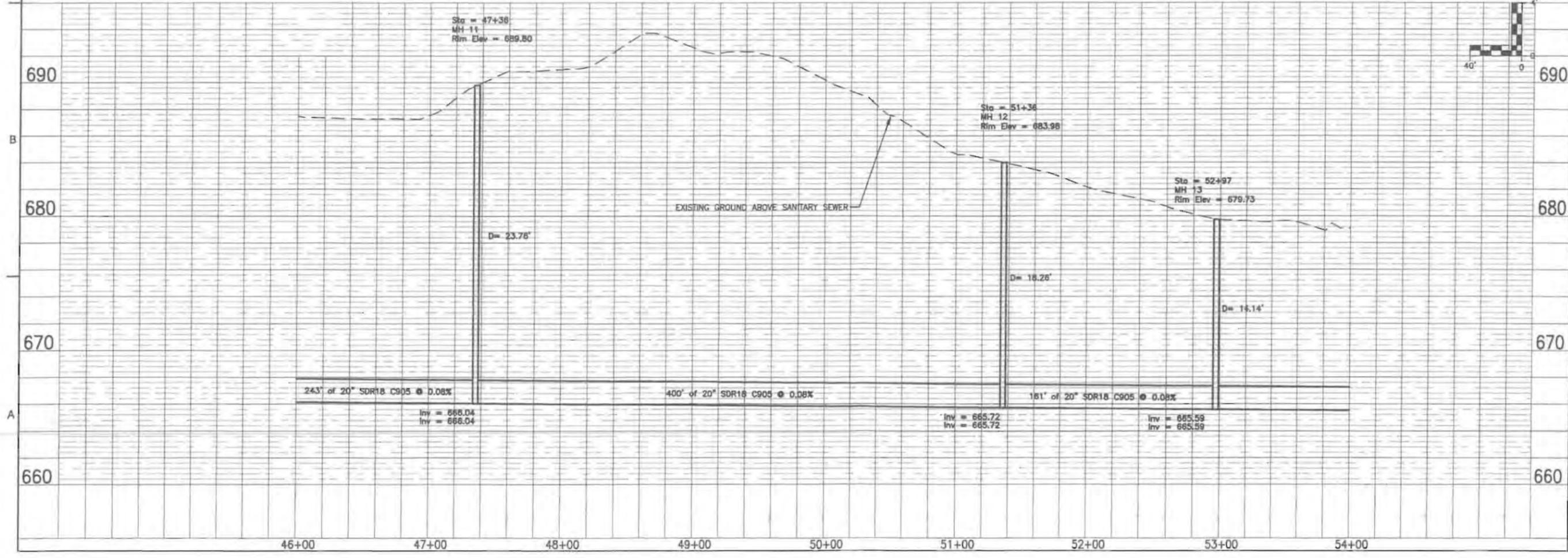
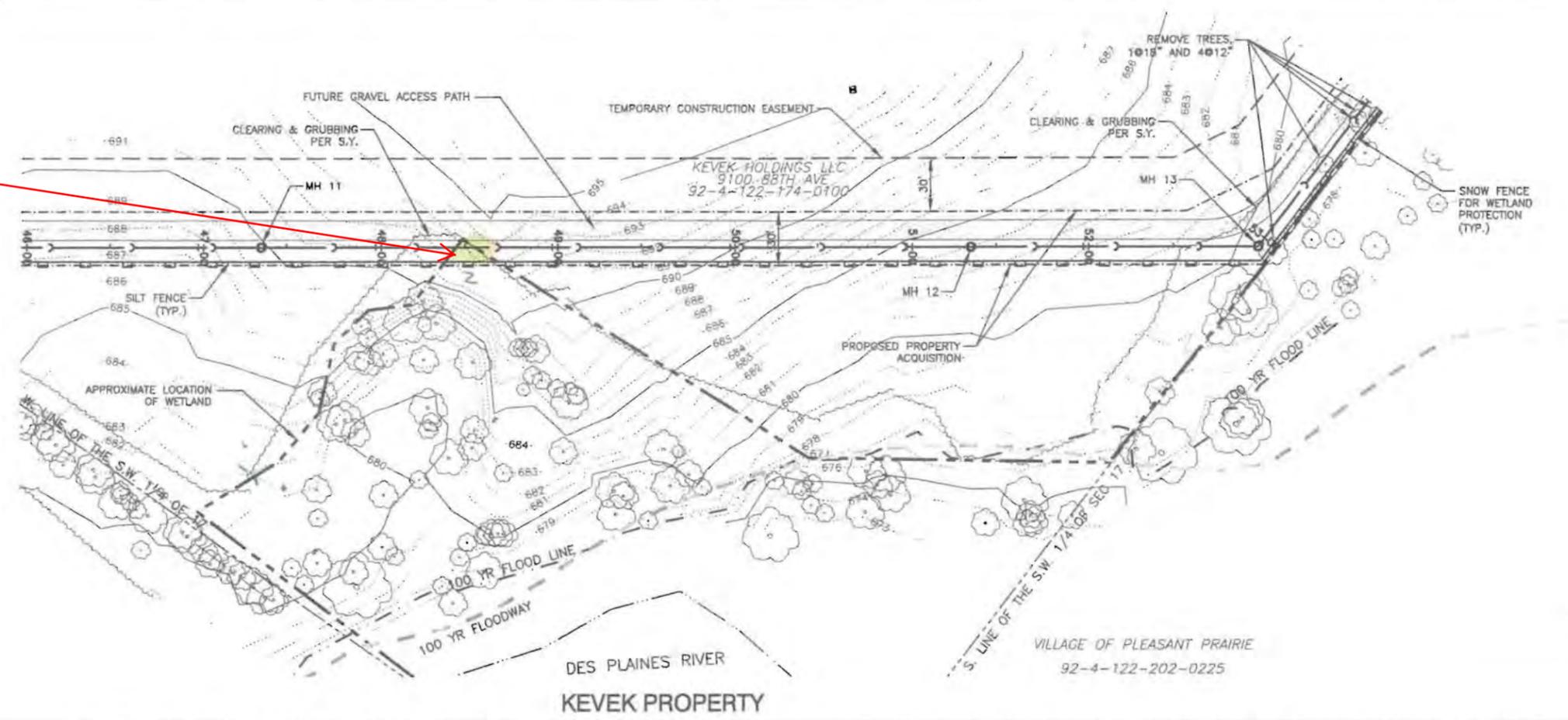
SHEET 4 OF 18 SHEETS

Alpha 1



5017 GREEN BAY ROAD
SUITE 126
KENOSHA, WI 53144
PHONE : 262.657.1550
FAX : 262.657.1884

temporary impacts to wetlands did not occur



PROJECT TITLE
VILLAGE OF PLEASANT PRAIRIE
SEWER D
RELIEF LINE
KENOSHA COUNTY, WISCONSIN

DESIGNED BY: EKS
DRAWN BY: AJT/GTR
CHECKED BY: APW
DATE CHECKED: 4/2010
NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

DATE	REVISION

DRAWING TITLE
PLAN AND PROFILE
46+00 - 54+00

PROJECT No.
P0200041

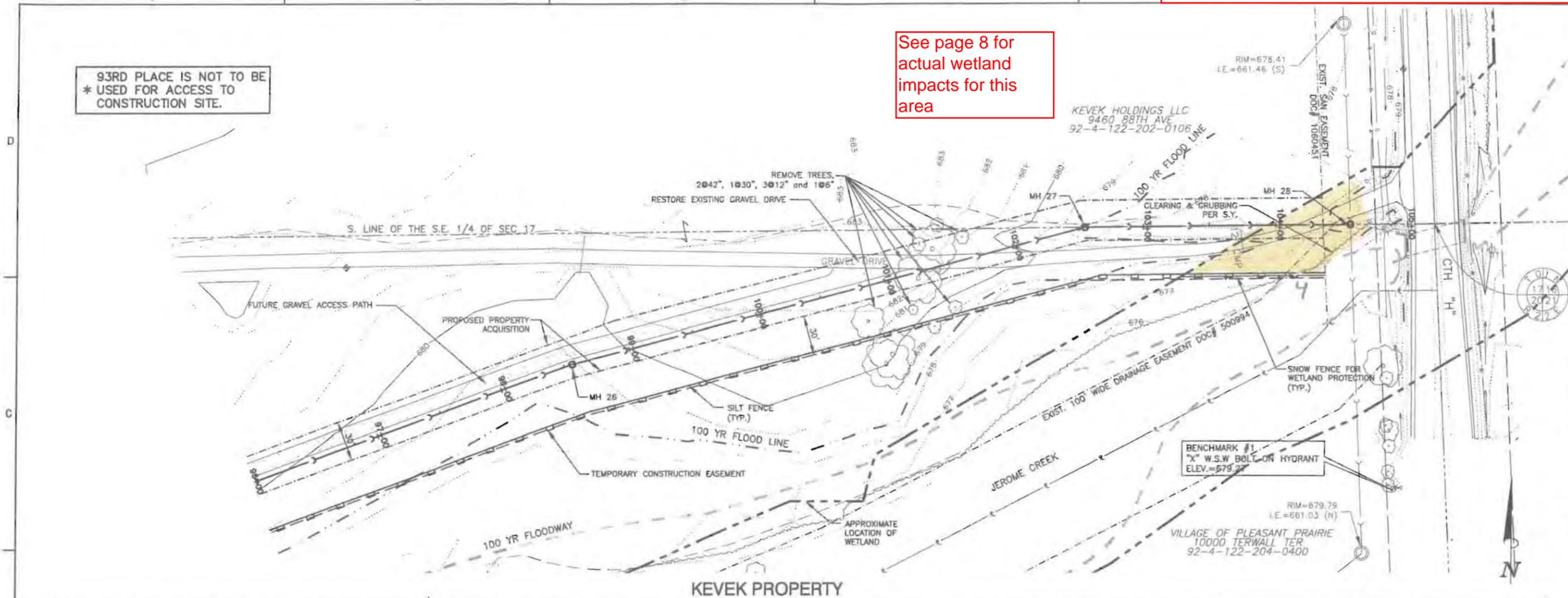
DRAWING No.
7
SHEET 7 OF 10 SHEETS

93RD PLACE IS NOT TO BE
* USED FOR ACCESS TO
CONSTRUCTION SITE.

See page 8 for
actual wetland
impacts for this
area



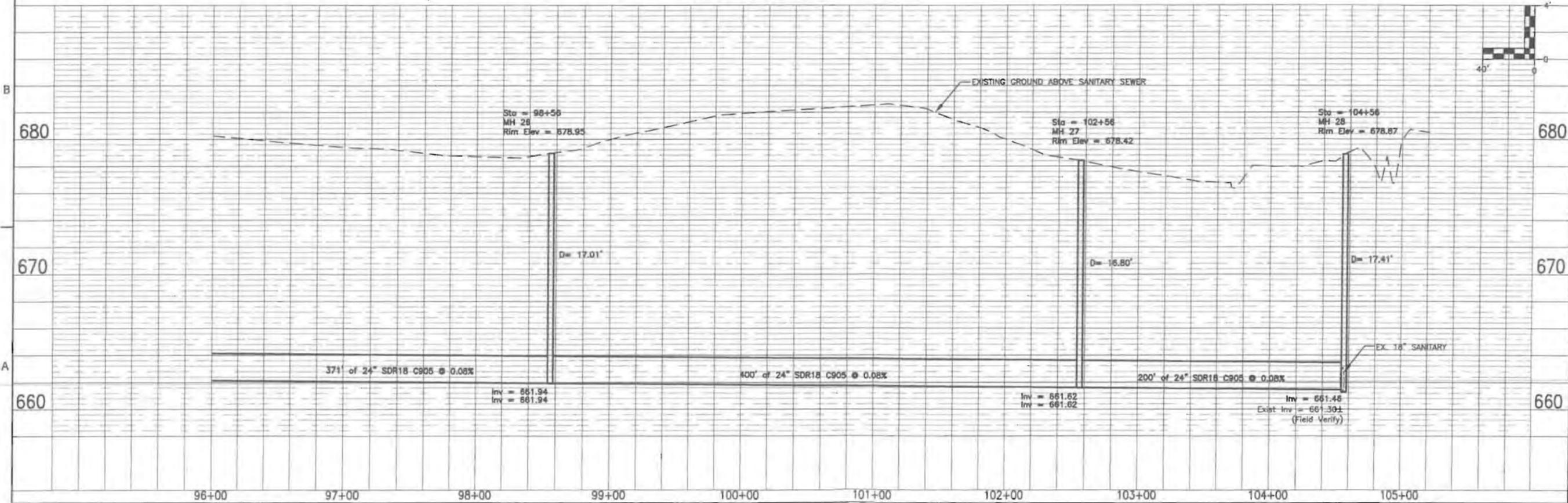
9017 GREEN BAY ROAD
SUITE 126
KENOSHA, WI 53144
PHONE : 262.657.1500
FAX : 262.657.1504



PROJECT TITLE
VILLAGE OF PLEASANT PRAIRIE

SEWER D
RELIEF LINE

KENOSHA COUNTY, WISCONSIN



DESIGNED BY: EKS
DRAWN BY: AJT/CTM
CHECKED BY: APW
DATE CHECKED: 4/2010

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

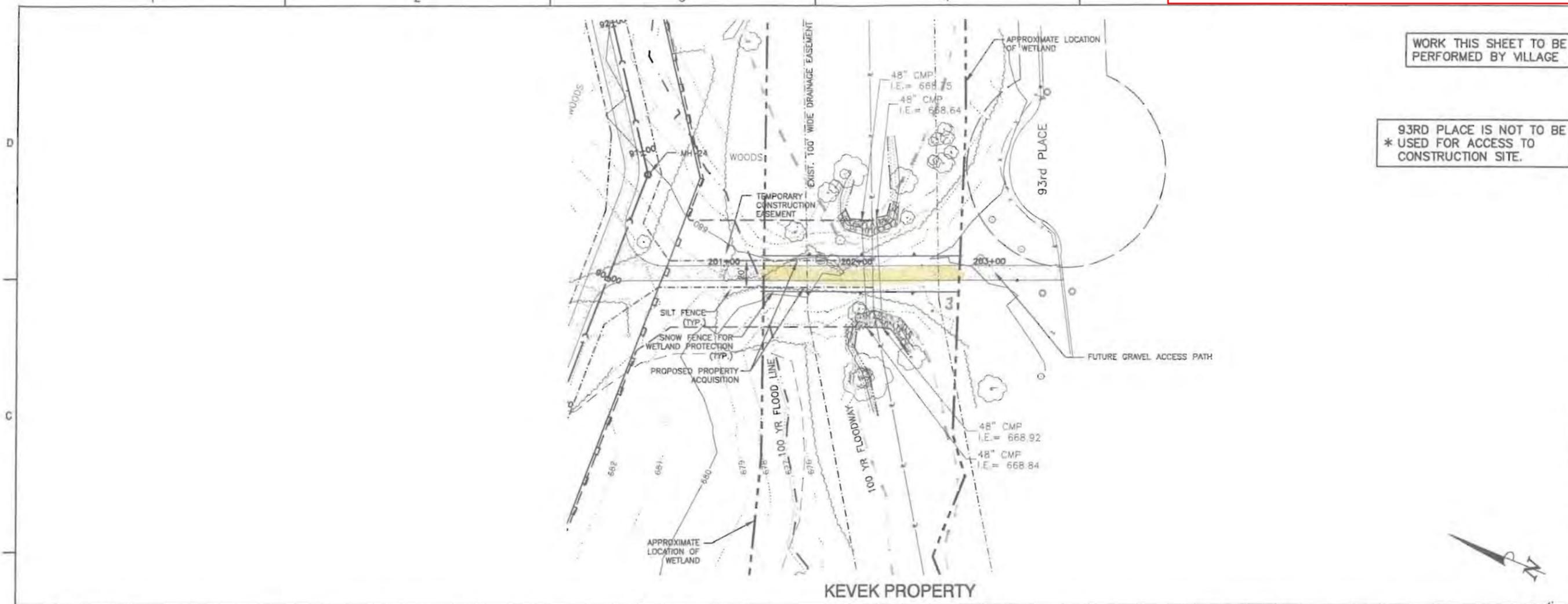
DATE REVISION

DRAWING TITLE
PLAN AND PROFILE
96+00 - 105+00

PROJECT No.
P0200041

DRAWING No.
12

SHEET 12 OF 18 SHEETS



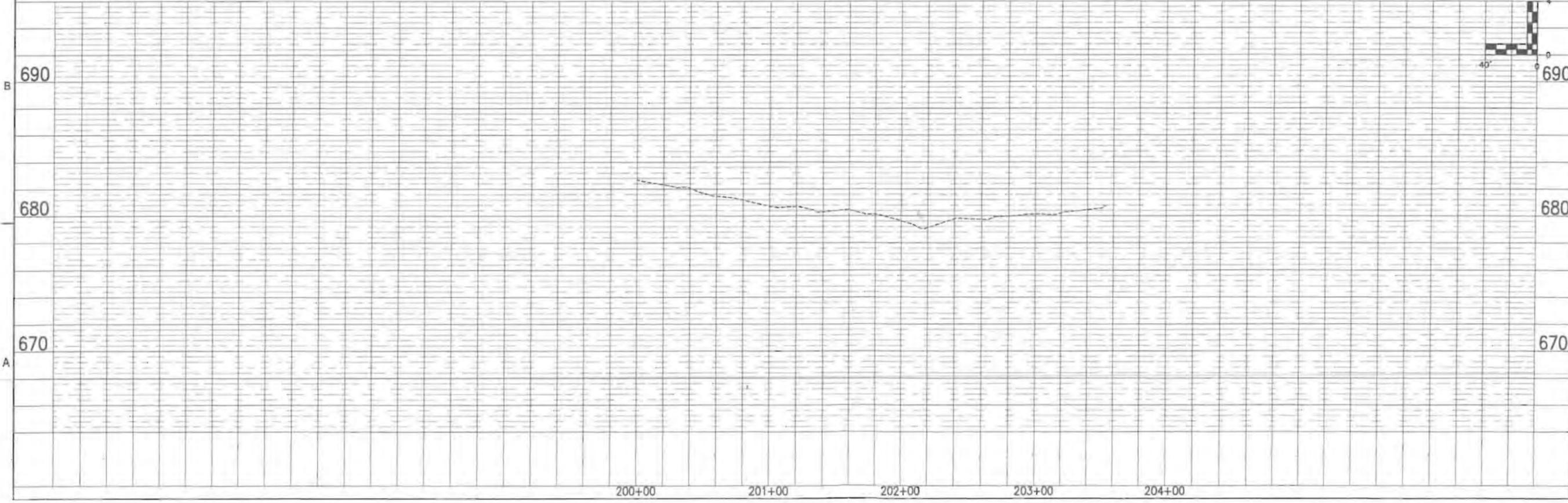
WORK THIS SHEET TO BE PERFORMED BY VILLAGE

93RD PLACE IS NOT TO BE * USED FOR ACCESS TO CONSTRUCTION SITE.



5017 GREEN BAY ROAD
SUITE 126
KENOSHA, WI 53144
PHONE : 262.637.1550
FAX : 262.637.1594

PROJECT TITLE
VILLAGE OF PLEASANT PRAIRIE
SEWER D
RELIEF LINE
KENOSHA COUNTY, WISCONSIN



DESIGNED BY: EKS
DRAWN BY: AJT/CTM
CHECKED BY: APW
DATE CHECKED: 4/2010
NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

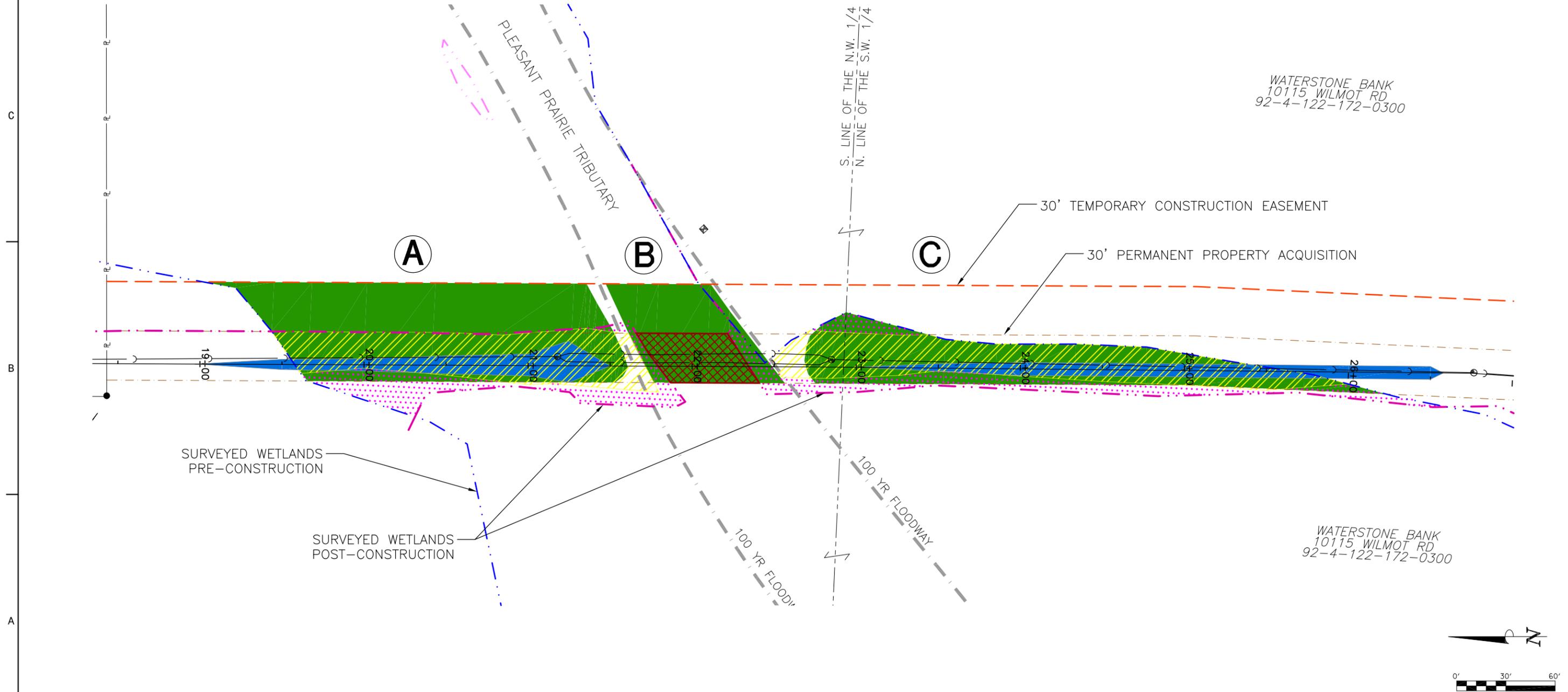
DATE	REVISION

DRAWING TITLE
PLAN AND PROFILE
200+00 - 204+00

PROJECT No.
P0200041
DRAWING No.
###124
SHEET 14 OF 20 SHEETS

CALCULATIONS (THIS SHEET ONLY)

-  PERMITTED WETLAND DISTURBANCE- 0.46 AC. (20,294 SQ. FT.)
-  PERMITTED PERMANENT WETLAND FILL- 0.10 AC. (4,356 SQ. FT.)
-  EXISTING DRAINED WETLAND- 0.14 AC. (6,434 SQ. FT.)
-  ACTUAL WETLAND FILL- 0.30 AC. (12,896 SQ. FT.)
-  PROPOSED ADDITIONAL FILL- 0.04 AC. (1,655 SQ. FT.) **NEW STREAM IMPACT, AT CROSSING**



WATERSTONE BANK
10115 WILMOT RD
92-4-122-172-0300

WATERSTONE BANK
10115 WILMOT RD
92-4-122-172-0300

retain permanent

"Initial" location of wetland (approximate)

WETLAND IMPACT

0.09 AC. (3,925 SQ. FT.)

