



Public Notice

**US ARMY CORPS
OF ENGINEERS**
St. Louis District
Gateway to Excellence

Reply To:
U.S. Army Corps of Engineers
Attn: CEMVS-OD-F
1222 Spruce Street
St. Louis, Missouri 63103-2833

Public Notice No.
P-2968
Public Notice Date
September 9, 2016
Expiration Date
September 30, 2016

Postmaster Please Post Conspicuously Until:

File Number: MVS-2015-728

Interested parties are hereby notified that an application has been received for a Department of the Army permit for certain work in waters of the United States, as described below and shown on the attached maps.

COMMENTS AND ADDITIONAL INFORMATION: Comments on the described work should reference the U.S. Army Corps of Engineers File Number shown above and must reach this office no later than the above expiration date of the Public Notice to become part of the record and be considered in the decision. Comments should be mailed to the following address:

U.S. Army Corps of Engineers
Regulatory Branch
1222 Spruce Street
St. Louis, Missouri 63103-2833
ATTN: Jaynie Doerr

APPLICANT: City of St. Peters, One St. Peters Centre Boulevard, St. Peters, Missouri 63376.
Phone: (636) 477-6600.

LOCATION: The City has named the project *#P-21 Sun River Village & Ferber Stormwater Improvement Project*. Within the City of St. Peters, turn right onto Woodbridge Drive from North St. Peters Parkway. Then turn right onto Sequoia Drive. Sun River Village Basin is on the left. More specifically, it is located in Section 10, Township 46 North, Range 4 East, St. Charles County (see attached location map). The project begins at coordinates 38°45'15" N, 90°33'47" W and ends at 38°45'26" N, 90°34'14" W.

SITE DESCRIPTION: The site is located within two established subdivisions containing three existing detention basins. One basin in Sun River Village and two in McClay Meadows. A preliminary jurisdictional determination was completed on October 21, 2015, finding only one of the three basins jurisdictional (Sun River Village) since it was constructed within a waters of the United States. This jurisdictional channel continues northwest through the project area and crosses under McClay Road, off-site, flowing to Spencer Creek. Throughout the majority of the project area, the channel has a riparian corridor that consists mainly of invasive bush honey-suckle, and some mature native tree species such as sycamore, box elder and cottonwood. The existing channel is intermittent in nature, deeply entrenched with little to no floodplain connectivity.

PROJECT DESCRIPTION: The City proposes to retrofit the existing Sun River Village detention basin to increase flood storage, decrease peak flows with outlet restriction and reduce downstream streambank erosion. Water quality will be improved with filtration through a sand filter in the basin and drain tile that will provide for base flows to the improved low flow channel/receiving stream. A low flow channel/high flow pipe system will be constructed from the outlet of the Sun River Village basin to the existing culvert (piped section). The high flow pipe and stream concept is designed by the applicant to mimic pre-development hydrology, will manage debris load, and reduce downstream clogging, removing potential for downstream floods due to debris jams. The design also includes the creation of stream and floodplain on the downstream segment of the project (Ferber property) to manage peak flow reduction and short-term flood storage. The increase in stream channel length will provide increased sinuosity, will use stable natural channel protection alternatives, will have longer duration base flow and will provide an overall uplift to aquatic stream resource values.

The purpose of the proposed project is to reduce peak flows and frequency of flooding occurring at the downstream segment of the project (Ferber property) and provide benefit to the downstream stormwater systems while restoring the channel flows to pre-development base flow. The Sun River Village basin will be retrofitted with underdrains, increased in size and the overflow berm raised, which will provide more storage and attenuation of storm events, eliminating berm overflows for events up to the 100-year, 24-hour storm event. The high flow storm sewer will safely pass high flows and prevent sediment and debris washing downstream, improving water quality and reducing the potential for debris jams and plugged culverts. The low flow channel will be restored to a stable cross section and profile, and will mimic pre-development hydrology and base flow. The Ferber property will be used to create a connected floodplain which will provide flow attenuation.

The improvements will be made within an unnamed intermittent channel that is a tributary to Spencer Creek. The proposed high flow pipe will be constructed of corrugated plastic pipe. The proposed high flow pipe will begin at the outfall of the Sun River Village basin and will extend approximately 660 linear feet and connect to the existing 54-inch corrugated metal pipe (which will be used in place). The plastic pipe will allow placement of the pipe in the existing downcut channel, minimizing slope impacts and preserving many more large trees and vegetation than typical open channel construction. The drainage ditches to the Sun River Village basin will be constructed in the same manner.

The downstream section of the project (channel through the Ferber Property) will be restored, adding channel length and sinuosity to the project at its completion. The entire project area will be planted as a native corridor along with the City acquiring permanent drainage easements over the improvements. This will provide the long-term management necessary for planting and overall project success.

The project is designed to include biotechnical techniques and to improve overall water quality to the impacted tributary and downstream tributaries. Mitigation has been accomplished through avoidance, minimization, and biotechnical applications within this design. Additionally, the stream improvement project is contingent upon the City of St. Peters acquiring the necessary easement and permission from all effected subdivisions property owners.

LOCATION MAPS AND DRAWINGS: See Sheets 1-11, attached.

ADDITIONAL INFORMATION: Additional information may be obtained by contacting Jaynie Doerr, Project Manager, U.S. Army Corps of Engineers, at (314) 331-8581. Your inquiries may also be sent by electronic facsimile to (314) 331-8741 or by e-mail to Jaynie.g.doerr@usace.army.mil.

AUTHORITY: This permit will be processed under Section 404 of the Clean Water Act (33 U.S.C. 1344).

WATER QUALITY CERTIFICATION: The project plans have been submitted to the Missouri Department of Natural Resources, Water Protection Program for state certification of the proposed work in accordance with Section 401 of the Clean Water Act. The certification is requested as of the date of this Public Notice, and if issued, will express the Agency's opinion that the proposed activities will not violate applicable water quality standards. Written comments concerning possible impacts to waters of Missouri should be addressed to: Water Protection Program, Post Office Box 176, Jefferson City, Missouri 65102-0176, with a copy provided to the Corps of Engineers.

SECTION 404 (b)(1) EVALUATION: The impact of the activity on the public interest will be evaluated in accordance with the Environmental Protection Agency guidelines pursuant to Section 404 (b)(1) of the Clean Water Act.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the applicant's proposal. Any request for a public hearing shall state, with particularity, the reason for the hearing, and must be based on issues that would warrant additional public review.

ENDANGERED SPECIES: A preliminary determination, in compliance with the Endangered Species Act, as amended, has been made that the work that is proposed would not affect species designated as threatened or endangered, or adversely affect critical habitat. Therefore, no formal consultation request has been made to the United States Department of Interior, Fish and Wildlife Service. In order to complete our evaluation, comments are solicited from the Fish and Wildlife Service and other interested agencies and individuals through this Public Notice.

CULTURAL RESOURCES: The St. Louis District has done a preliminary evaluation based on information provided by the State Historic Preservation Officer. Based on this evaluation and the fact that the projects are located within existing residential subdivisions with previously modified tributaries, additional reconnaissance surveys might not be required. However, if substantial information from the response to public notice indicates that further investigation is necessary the USACE will re-consider its decision.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the described activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit that may reasonably be expected to accrue from the described activity must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the activity described, will be considered including the cumulative effects. Among factors considered are: conservation; economics; aesthetics; general environmental concerns; wetlands; historic properties; fish and wildlife values; flood hazards; flood plain values; land use; navigation; shoreline erosion and accretion; recreation; water supply and conservation; water quality; energy needs; safety; food and fiber

production; mineral needs; consideration of property ownership; and in general the needs and welfare of the people.

SOLICITATION OF COMMENTS: The U.S. Army Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of the proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.


DANNY D. MCCLENDON
Chief, Regulatory Branch

Attachments

NOTICE TO POSTMASTERS:

It is requested that this notice be conspicuously and continually placed for 21 days from the date of this issuance of this notice.

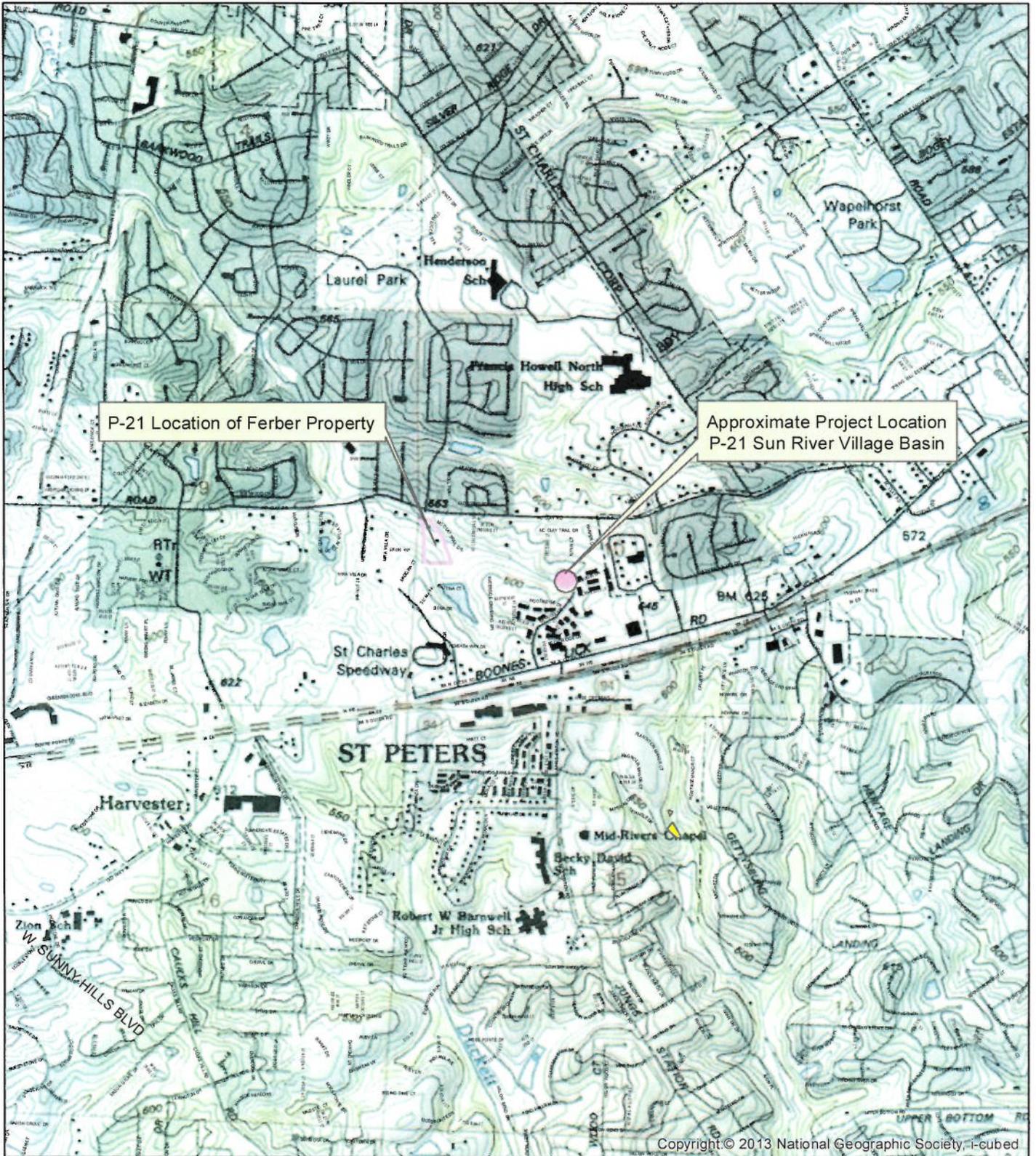
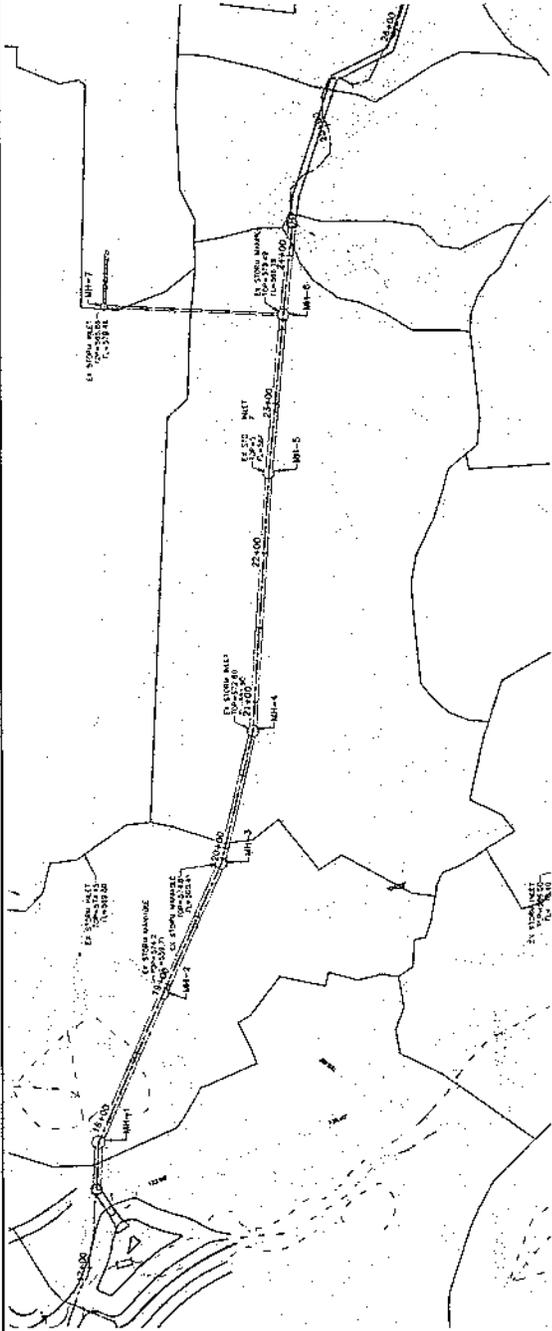
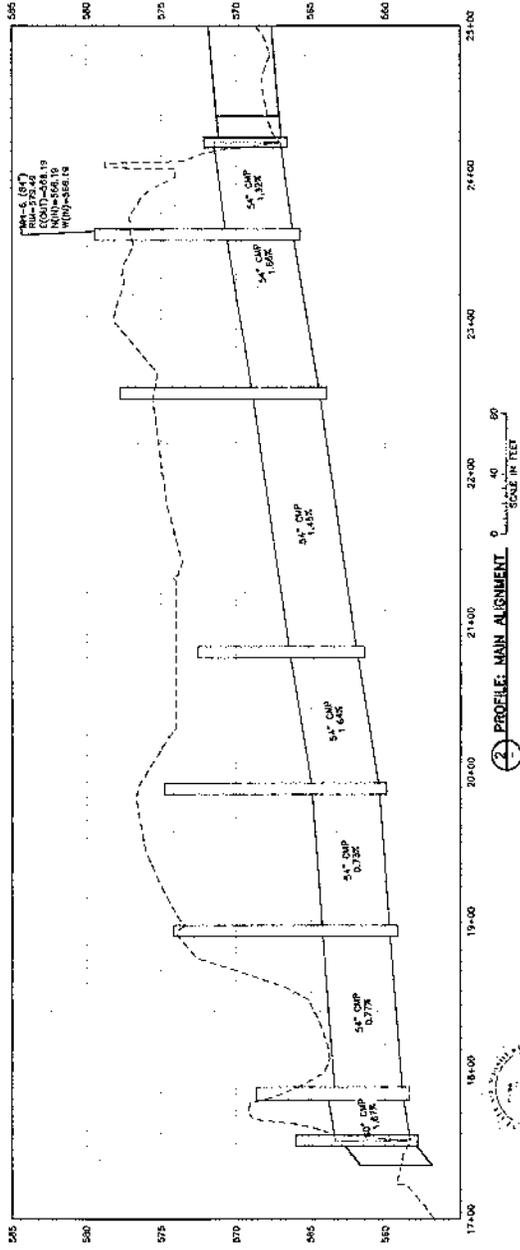


EXHIBIT 1
 P-21 SUN RIVER VILLAGE & FERBER
 STORMWATER IMPROVEMENT PROJECT
 VICINITY MAP
 USGS KAMPVILLE, MO-IL QUADRANGLE



1 PLAN: MAIN ALIGNMENT



2 PROFILE: MAIN ALIGNMENT

CONCEPT DESIGN
NOT FOR CONSTRUCTION

BASE PROJECT NO.
25783-1011.00
REVISION PROJECT NO.

P-21 SUN RIVER VILLAGE DESIGN
ST. PETERS, MO
PLAN AND PROFILE
STATION 17+00 TO 25+00

CITY OF ST. PETERS
ST. PETERS, MO

DATE: 02/07/2015
TIME: 10:00 AM
SCALE: 1" = 40'

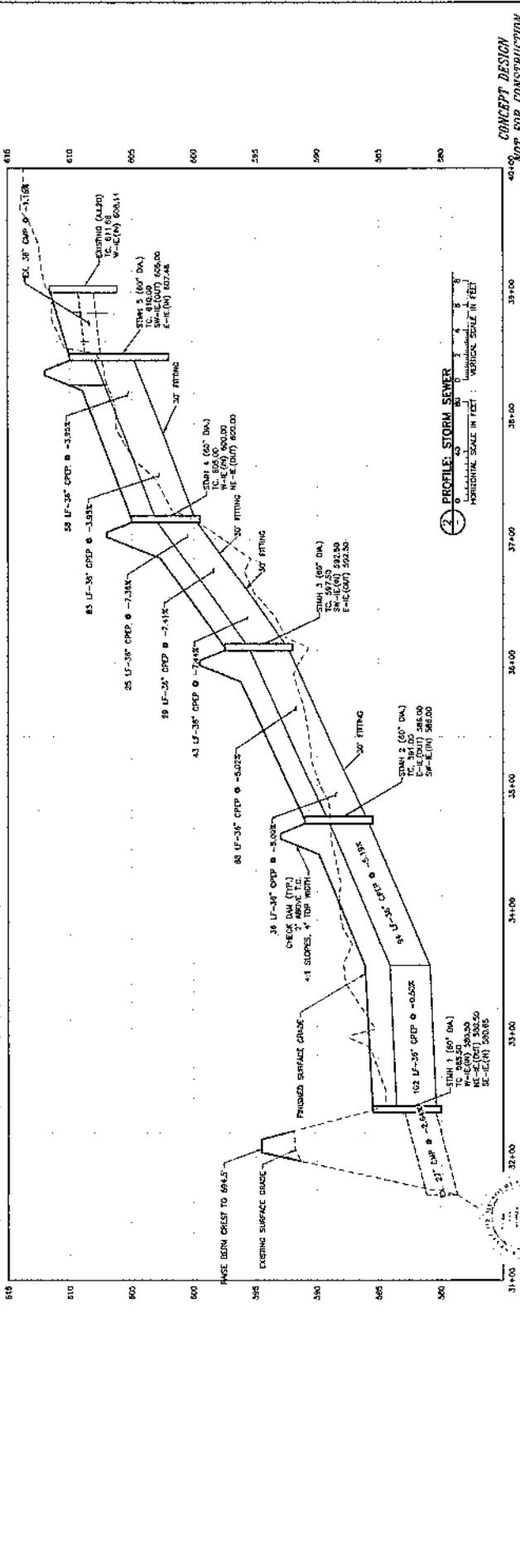
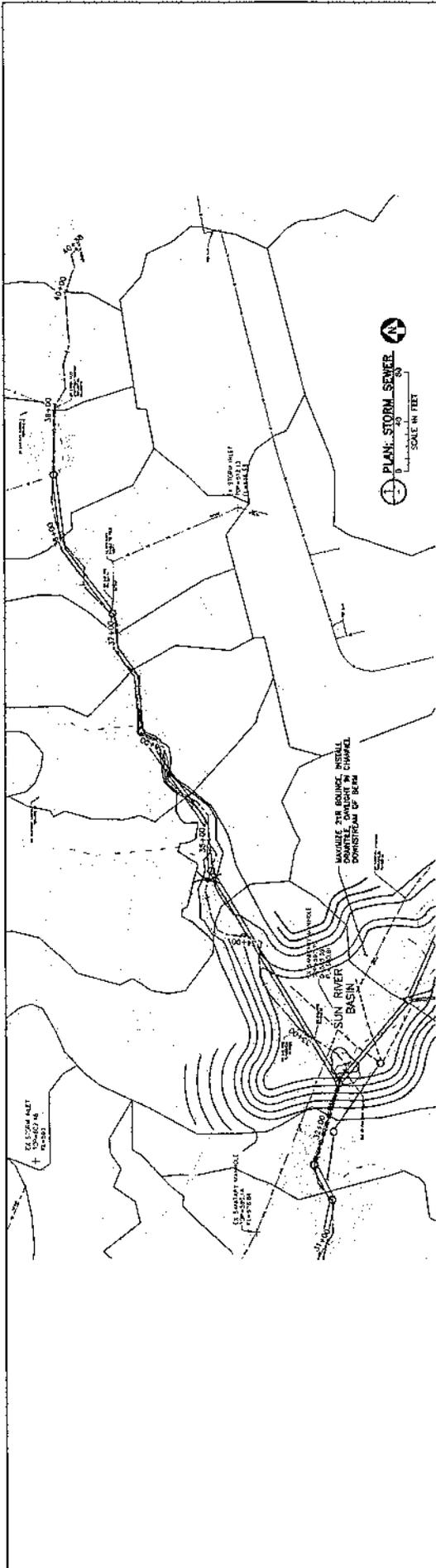
NO.	BY	CHKD	APPD	DATE	REVISION DESCRIPTION

DATE RELEASED: 02/07/2015

PROJECT OFFICE
BARR ENGINEERING, INC.
1000 W. BROADWAY, SUITE 200
ST. LOUIS, MO 63102
TEL: (314) 437-2275
FAX: (314) 437-2276

PROJECT NO.
25783-1011.00
SHEET NO.
17

DATE: 02/07/2015



**CONCEPT DESIGN
NOT FOR CONSTRUCTION**

**P-21 SUN RIVER VILLAGE DESIGN
ST. PETERS, MO**

**CITY OF ST. PETERS
ST. PETERS, MISSOURI**

**PLAN AND PROFILE
STATION 32+00 TO 40+00**

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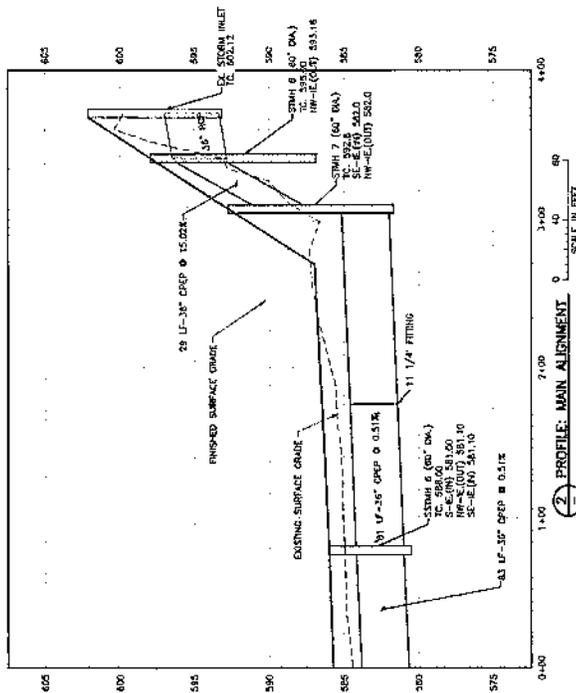
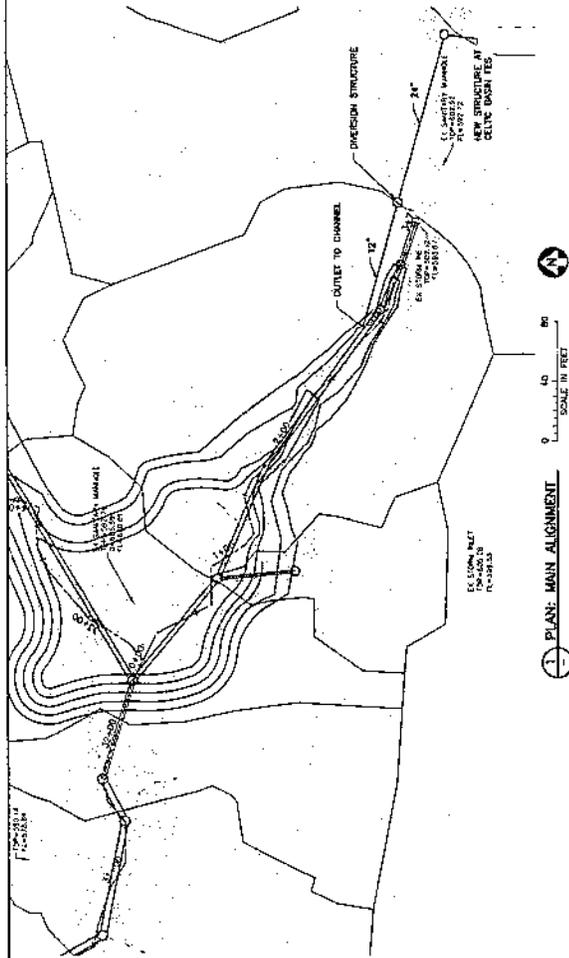
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**CONCEPT DESIGN
NOT FOR CONSTRUCTION**

**P-21 SUN RIVER VILLAGE DESIGN
ST. PETERS, MO**

**PLAN AND PROFILE
STATION 0+00 TO 3+71**

DATE: 07/27/2010
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 APPROVED BY: [Name]

**CITY OF ST. PETERS
ST. PETERS, MO**

Project Office: 4300 MARSHFIELD DRIVE
 ST. PETERS, MO 65050
 Phone: (636) 431-2077
 Fax: (636) 431-2077

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High flow pipe and stream concept

