

P-20 Blackwood Channel
Stormwater Improvement Project

Project Information Meeting

December 1, 2015

Storm Water Master Plan Overview

- MS4 Stormwater Permit
- 2011 Storm Water Master Plan
 - 47-miles of Stream Assessment
 - 250 Basins
 - Hydrologic and Hydraulic Modeling
 - Flooding, Stream Stability & Habitat, Water Quality
 - Storm Water Code and Ordinance Review
 - Capital Improvement Projects
 - Over 100 projects at a cost of \$125,000,000

Funding

- 2008: City Voters authorized the City to issue up to \$ 40 million for Storm Water Bonds
- Aug 2012: Voters passed Proposition P
 - » 0.4% Sales Tax Increase
 - » Generate \$4.8 million annually for Parks & Storm Water
- Sales Tax started January 1, 2013
- City has Sold \$14 Million in Bonds for Projects

Proposition P Stormwater Projects

- 15 Projects Have Been Completed
- 9 Projects In the Design Phase
 - Initial meetings with trustees and residents
 - Consultants selected and Design Contracts approved
- 3 Projects in Design Consultant Selection Phase

Partnership

SWMP outlines projects & conceptual improvements



Prop P provides funding to design & construct



City cannot spend public \$ on private property



Property owner donates necessary easements



City can fund design, construction & maintenance

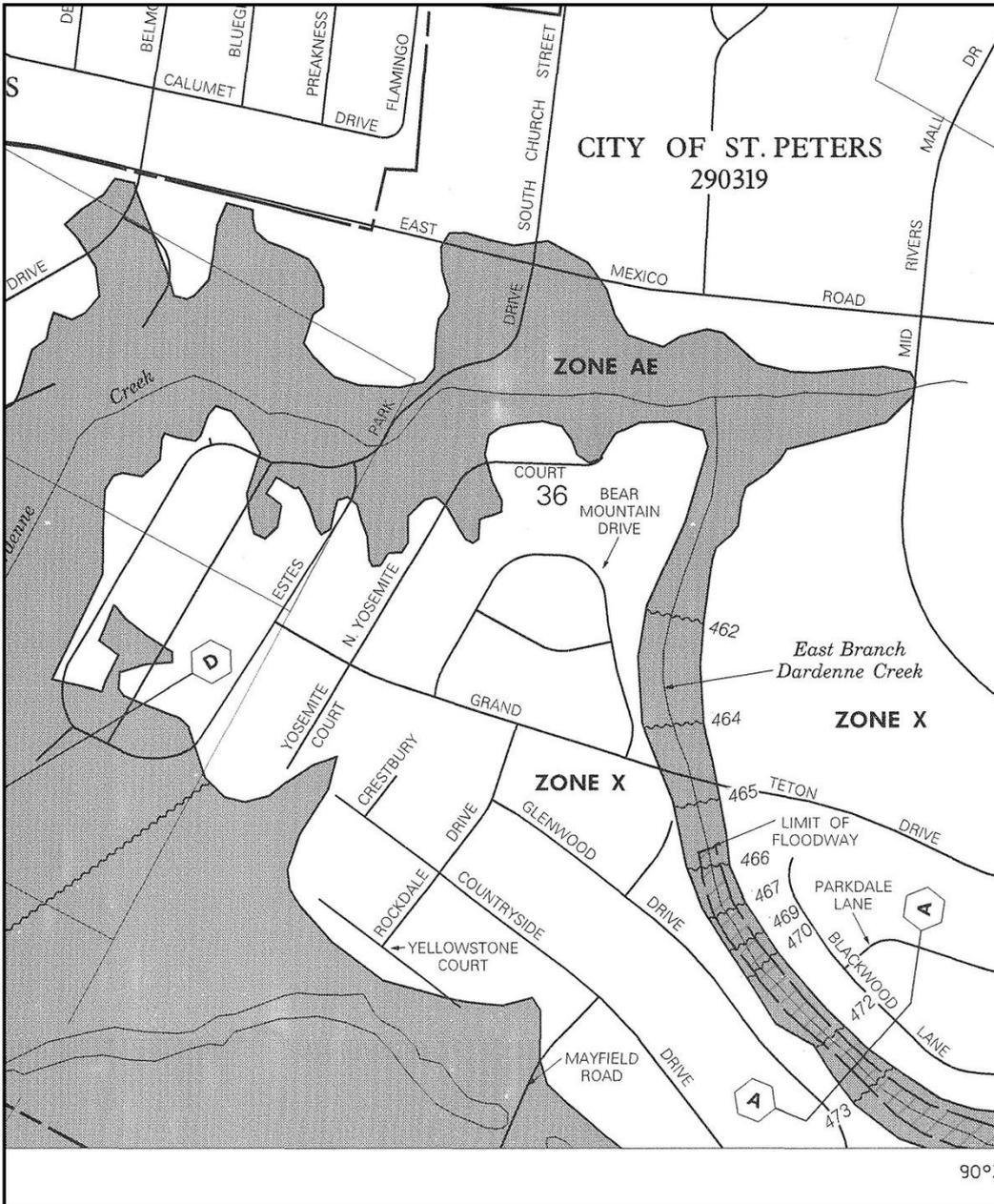
Goals and Benefits

- Supports 2012 City of St. Peters Comprehensive City-wide Storm Water Master Plan (SWMP).
 - Improve water quality
 - Continued compliance with Missouri Department of Natural Resources Municipal Separate Storm Sewer Systems (MDNR MS4) regulations
- Green Infrastructure Auxiliary Benefits
 - Enhanced aesthetics
 - Resilient infrastructure
 - Community & neighborhood asset

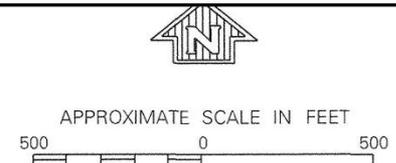
P-20 PARKDALE / BLACKWOOD CHANNELS



- Legend**
- STORM STRUCTURES
 - STORM PIPE
 - PARKDALE CHANNEL
 - BLACKWOOD CHANNEL
 - DESIGNED HS-1 PROJECT THAT WILL GO TO CONSTRUCTION IN 2015



38°46'5
90°37'30"



NATIONAL FLOOD INSURANCE PROGRAM

**FIRM
FLOOD INSURANCE RATE MAP**
ST. CHARLES COUNTY,
MISSOURI AND
INCORPORATED AREAS

PANEL 242 OF 525
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
O'FALLON, CITY OF	290316	0242	E
ST. CHARLES COUNTY, UNINCORPORATED AREAS	290316	0242	E
ST. PETERS, CITY OF	290319	0242	E

**MAP NUMBER
29183C0242 E**

**MAP REVISED:
AUGUST 2, 1996**



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



300302306

MC

GRAND TETON DR

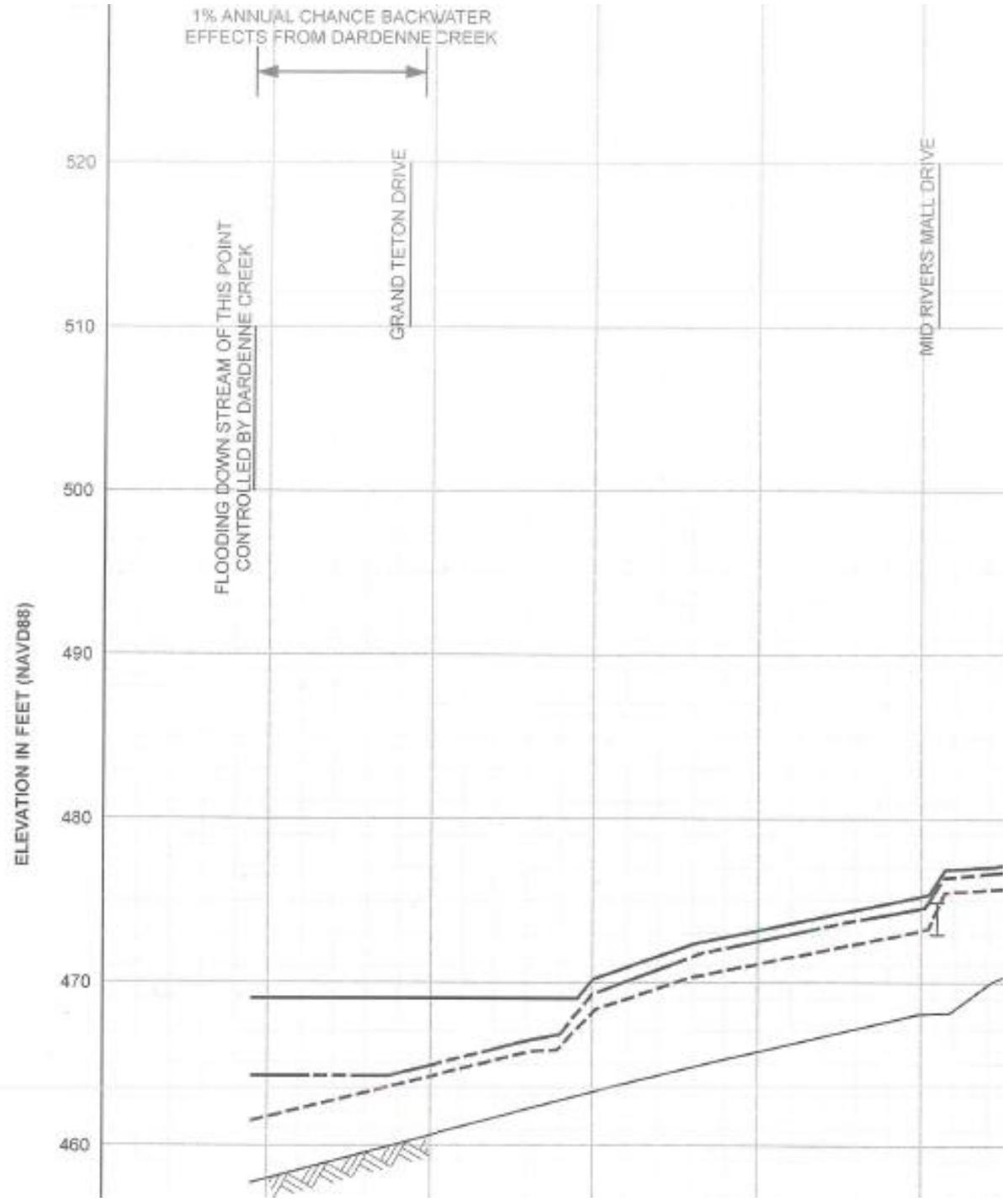
CRESTBURY DR

GLENWOOD LN

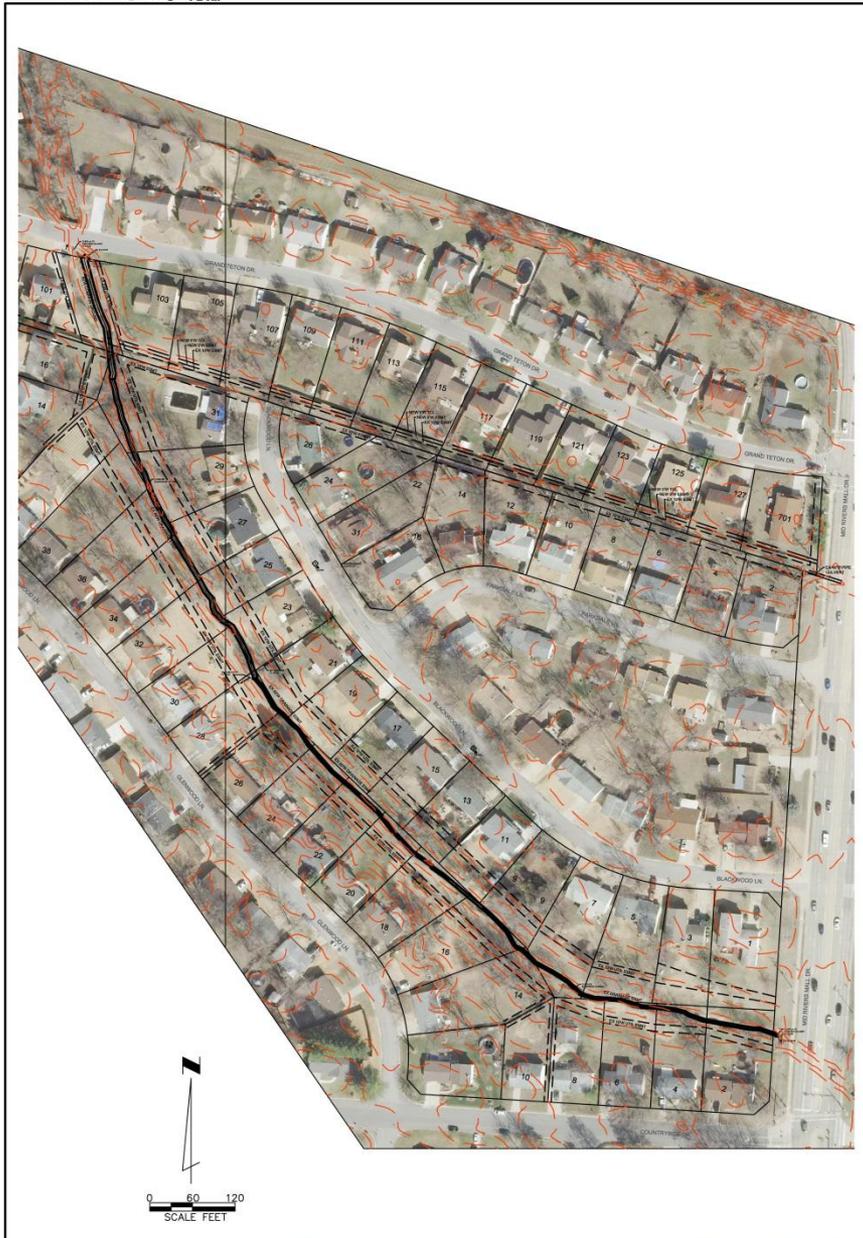
BLACKWOOD LN

PARKDALE LN

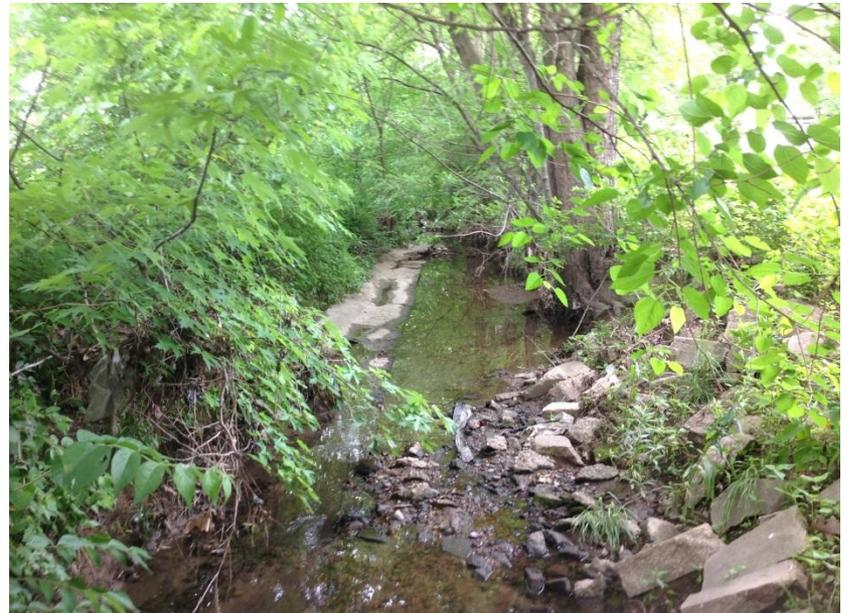
DR







MAIN CHANNEL (Existing Conditions)

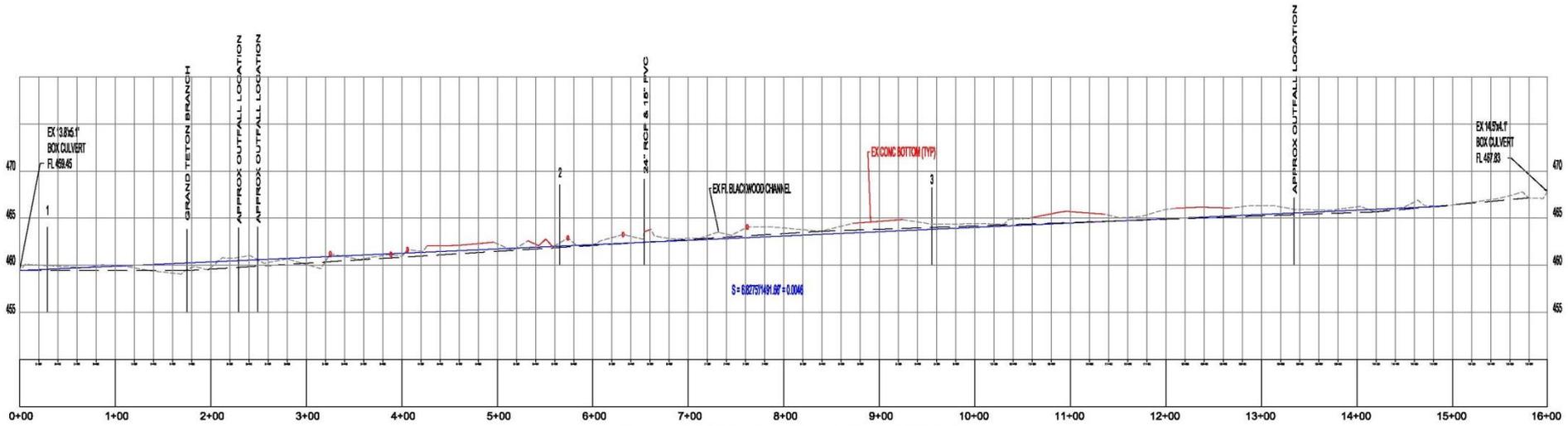


MAIN CHANNEL (Existing Conditions)



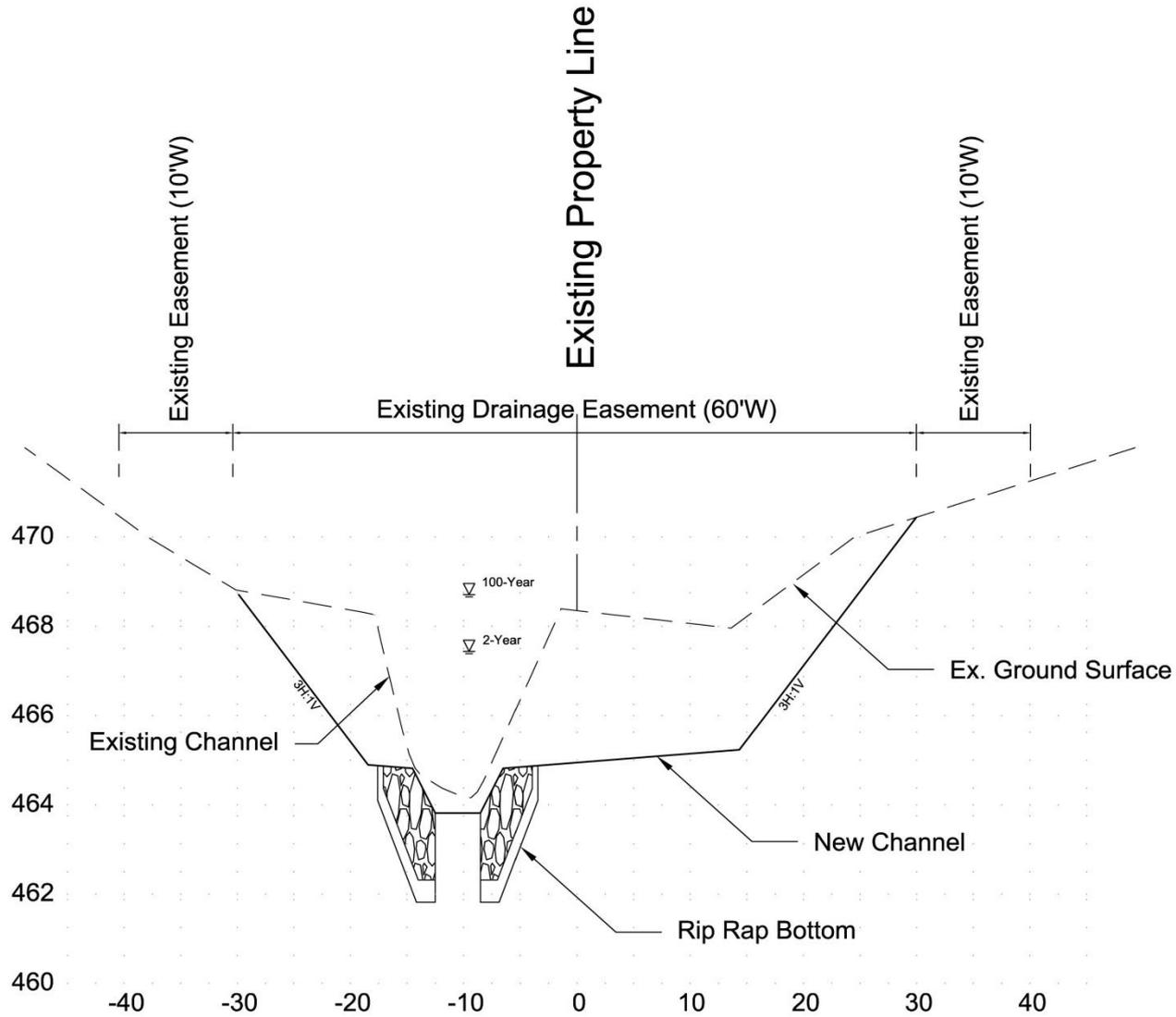
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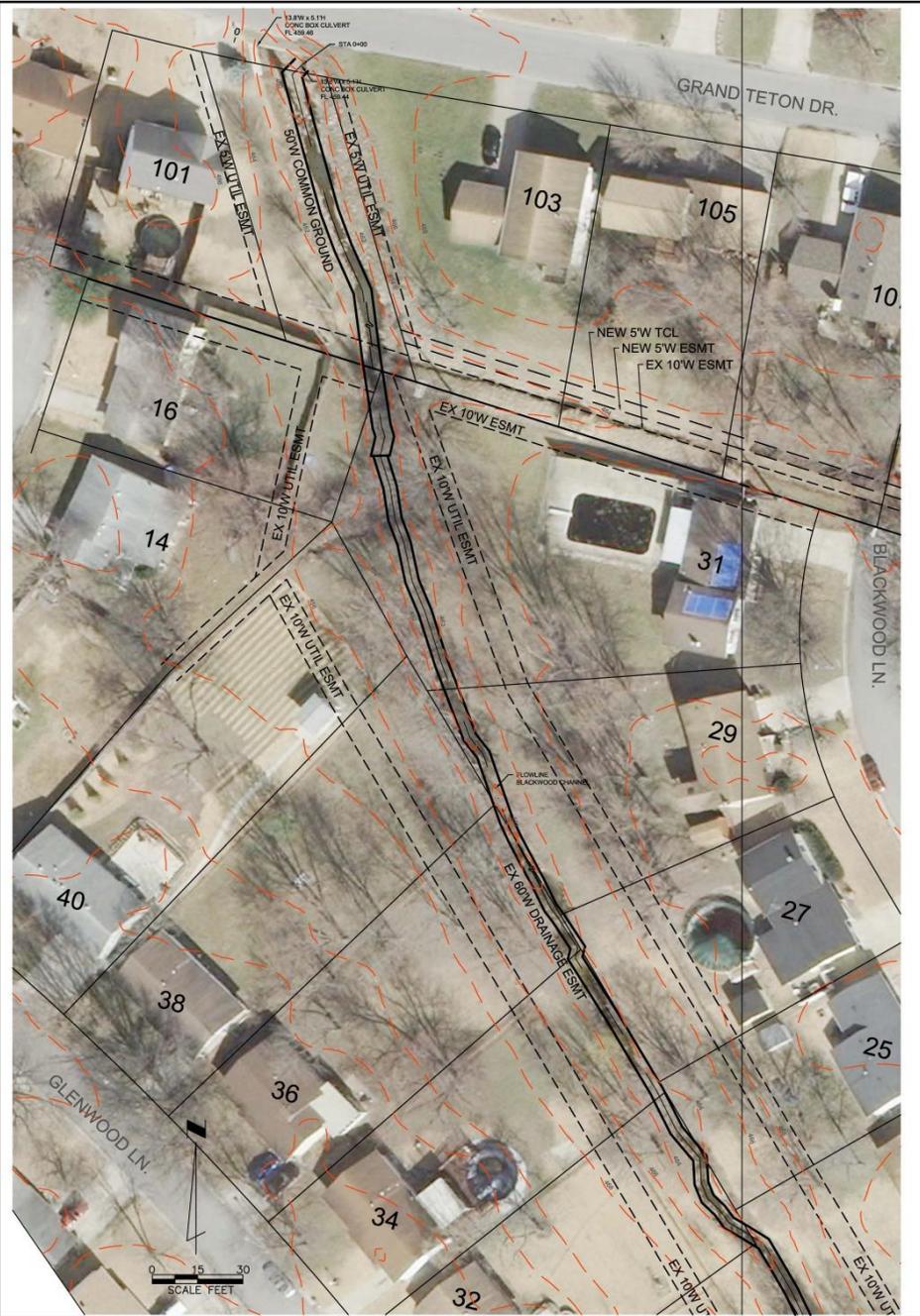




BLACKWOOD LANE MAIN CHANNEL

SCALE: HORZ. 1" = 100'
 VERT. 1" = 10'





SHEET
1 OF 4

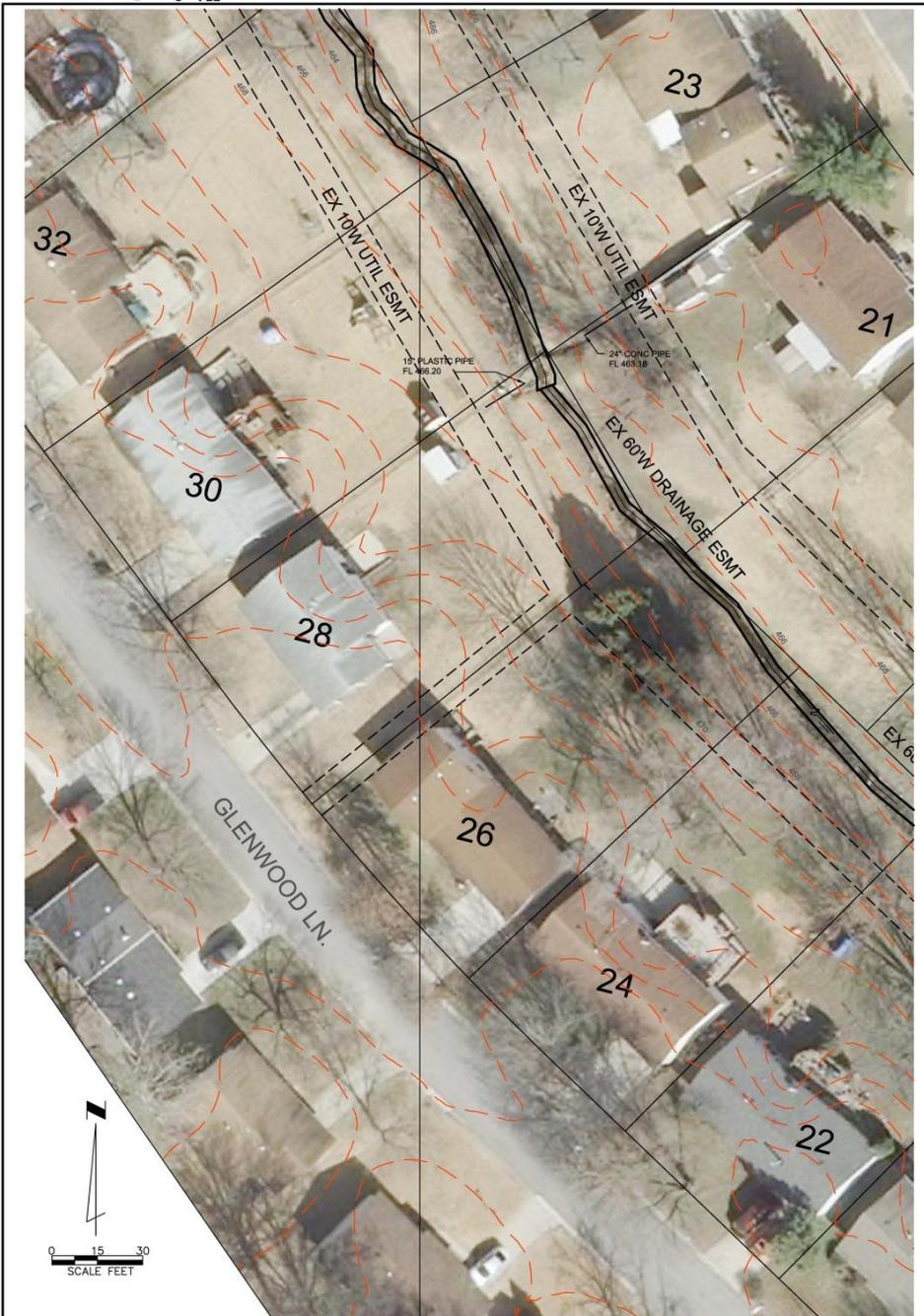
Stormwater Project P-20
BLACKWOOD
2015121202

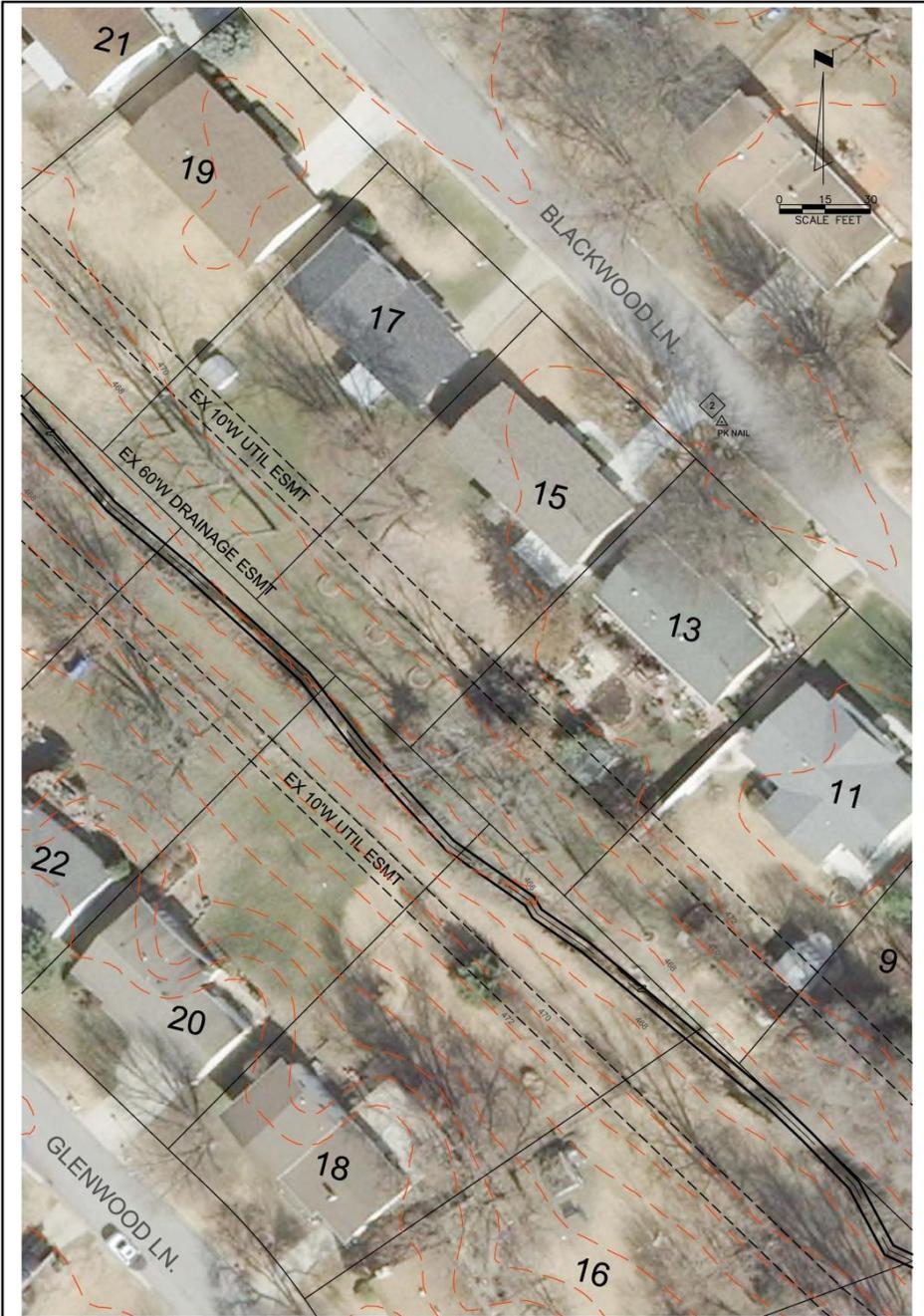


City of St. Peters
One St. Peters Centre Dr.
63376

Designed L.W.L. Checked P.H.R.
Drawn L.W.L. Issued 11/25/2015

REITZ & JENS, INC.
CONSULTING ENGINEERS
1095 CORPORATE SQUARE DRIVE
ST. LOUIS, MISSOURI 63132
(314) 993-4132
PROFESSIONAL ENGINEERING CORP. LICENSE #0002914







MID RIVERS MALL DR.

14.5'W x 4.1'H
CONC BOX CULVERT
FL 467.83
STA 15+99.06



SHEET
4 OF 4

Stormwater Project P-20
BLACKWOOD
2015121202



City of St. Peters
One St. Peters Centre Dr
63376

Designed: **L.W.L.**
Checked: **P.H.R.**
Drawn: **L.W.L.**
Issued: **11/22/2015**

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CONSULTING ENGINEERS
1808 W. WILSON AVENUE
ST. LOUIS, MISSOURI 63102
PROFESSIONAL ENGINEERING CORP. LICENSE #002015

EXAMPLE (TYPICAL) CONSTRUCTION



TYPICAL CONSTRUCTION (Example photo)



A scenic view of a riverbank. In the foreground, there are tall green grasses and yellow wildflowers. A small stream flows through a rocky bed in the middle ground. In the background, a white house with a blue roof is visible, surrounded by lush green trees under a blue sky with white clouds.

Questions?