

MEMO

Date: June 26, 2015
To: Dave Henderson and Victor Van Allen
From: Joe Teusch and Tim Healy
Subject: Cost Recovery – Western Sanitary Sewer Interceptor

The purpose of this memorandum is to determine a conveyance fee on a per acre basis to assess developers for new sanitary sewer service tributary to the Western Sanitary Sewer Interceptor (WSSI). The conveyance fees collected as development occurs would help to ‘recover’ the cost of constructing the WSSI.

The WSSI project cost per acre served is shown in **Table 1**.

Table 1
Project Cost per Service Acre

Project Cost	
	Total
Design	\$1,575,203
Construction	\$15,600,452
Construction Inspection	\$1,347,262
Land Acquisition	\$286,050
Total	\$18,808,967

Area Served	
	Total
Total (acres)	5,865

Cost of Project Per Service Acre = \$3,207 /Acre

A detailed summary of the project cost (Design, Construction, Construction Inspection and Land Acquisition) is included in **Table 2**.

The WSSI service area is shown in **Figure 1** and the area served is summarized in **Table 3**.

CITY OF WEST LAFAYETTE, INDIANA
WESTERN SANITARY SEWER INTERCEPTOR

Table 2
Western Sanitary Sewer Interceptor Project Costs

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June 2015

Design			
	Date	Cost	Notes
Design Contract	2004	\$830,038	Preliminary Design, Meetings
Amendment No. 1	12/27/2007	\$89,000	Agency Coordination, Preliminary Design, Permit, Erosion Control
Amendment No. 2	5/18/2009	\$206,000	Division IV Agency Coordination, Design, Bid Assistance
Amendment No. 3	6/20/2011	\$213,000	Division V Final Design, Bid Assistance
Cost Recovery Calc	5/1/2015	\$10,000	Fee Calculation
Cumberland	12/18/2012	\$227,165	Cumberland Agency Coordination, Design, Bid Assistance
Total - Design		\$1,575,203	

Construction Office and Field Services			
Construction Contract	2006	\$447,000	Division I Office and Field
Amendment No. 1	1/3/2007	\$170,000	Division II Office and Field
Amendment No. 2	3/24/2009	\$296,600	Division III Office and Field
Amendment No. 3	9/6/2011	\$233,100	Divisions IV and V Office and Field
Cumberland	4/29/2014	\$200,562	Cumberland Office and Field
Total - Construction Services		\$1,347,262	

Construction Costs			
Division I			
Contract		\$2,622,000	
Change Order No. 1		-\$10,031	
Subtotal		\$2,611,969	
Division II			
Contract		\$3,846,947	
Change Order No. 1		-\$108,922	
Subtotal		\$3,738,025	
Division III			
Contract		\$1,948,585	
Change Order No. 1		-\$35,878	
Subtotal		\$1,912,707	
Division IV			
Contract		\$3,083,454	
Change Order No. 1		\$187,554	
Subtotal		\$3,271,008	
Division V			
Contract		\$2,027,600	
Change Order No. 1		\$151,741	
Change Order No. 2		\$0	
Change Order No. 3		-\$70,898	
Subtotal		\$2,108,443	
Cumberland			
Contract		\$1,958,300	
Change Order No. 1		\$0	
Subtotal		\$1,958,300	
Total - Construction		\$15,600,452	

Land Acquisition	\$286,050
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Total Project Cost	\$18,808,967
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CITY OF WEST LAFAYETTE, INDIANA
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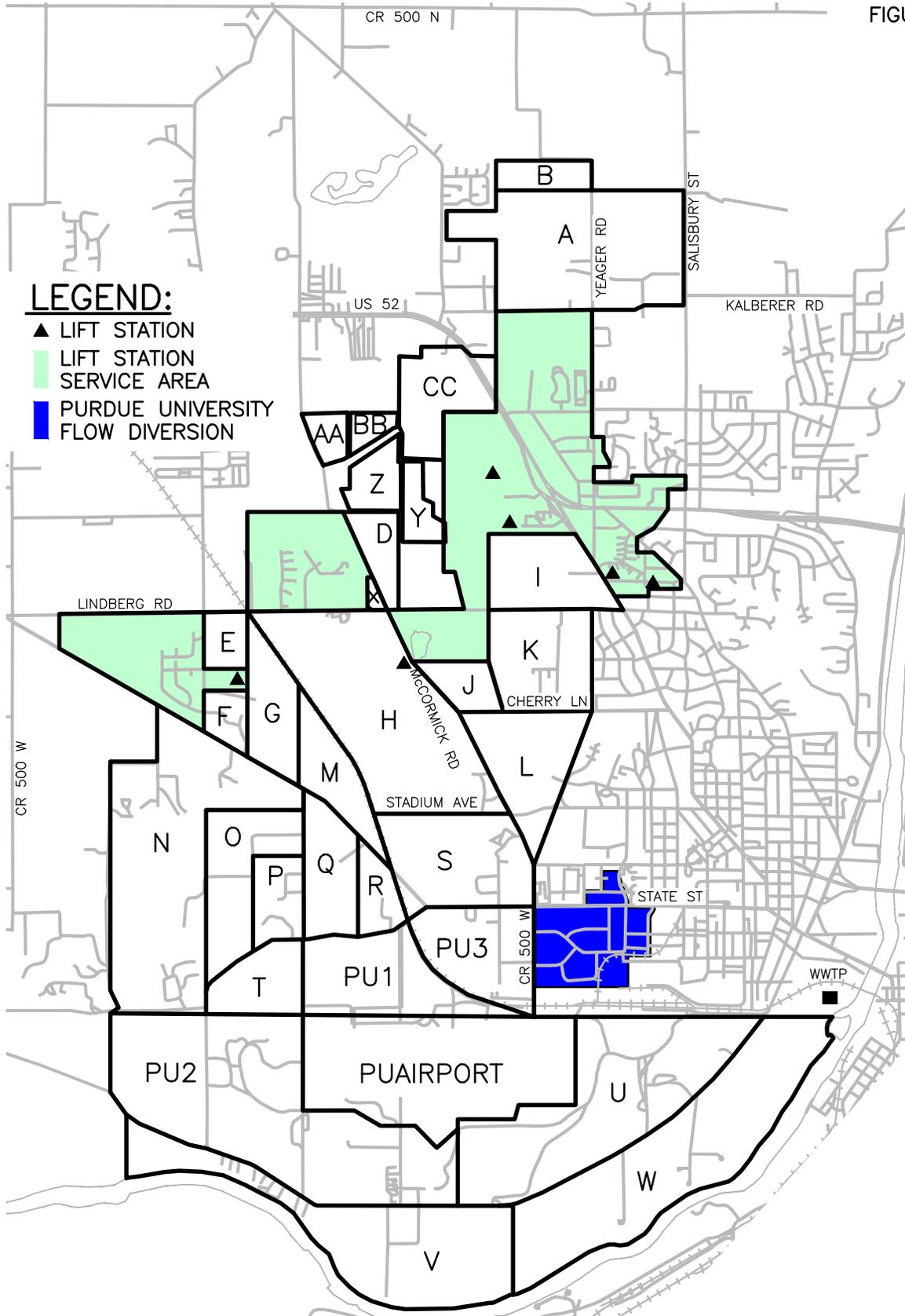
Table 3
Western Sanitary Sewer Interceptor Service Area

Greeley and Hansen

June 2015

TRIBUTARY AREAS				
AREA	LAND USE	GROSS ACRES	EST. % DEVELOP	NET ACRES
A	GB	373	85	317
B	GB	59	85	50
D	R3	77	70	54
E	R1	55	70	39
F	R1	27	70	19
G	GB	84	85	71
H	R1	437	70	306
I	R2	130	70	91
J	R2	45	70	32
K	R2	169	70	118
L	R1	149	70	104
M	R1	95	70	67
N	R1	500	70	350
O	R1	164	70	115
P	R1	65	70	46
Q	R1	102	70	71
R	R1	60	70	42
S	R1	213	70	149
T	R1	87	70	61
PU1	I	200	25	50
PU2	I	640	25	160
PU3	R3	140	50	70
PUAIR	R1	461	10	46
U	I	447	15	67
V	R1	396	5	20
W	R1	476	5	24
X	GB	7	85	6
Y	R1	36	70	25
Z	GB	55	85	47
AA	GB	30	85	26
BB	GB	24	85	20
CC	OR	62	85	53
Total		5,865		2,714

FIGURE 1



LEGEND:

- ▲ LIFT STATION
- LIFT STATION SERVICE AREA
- PURDUE UNIVERSITY FLOW DIVERSION

WESTERN INTERCEPTOR SERVICE AREA

SCALE: 1" = 4000'



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