

PUBLIC NOTICE
FLATONIA
COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM
TEXAS GENERAL LAND OFFICE 2020 MITIGATION APPLICATION

The City is giving notice of the City's intent to submit a Community Development Block Grant Program Mitigation Application(s) to assist the community with Mitigation efforts through the following Infrastructure activities:

Project 1: Culvert and drainage ditch improvements just south of the Union Pacific Railroad at US 90 to the north side frontage road of I-10 and from the alley just south of 12th Street, on 12th Street, along FM 609 to the north side of I-10.

The total project cost will be \$24,942,602. This application is available for review on the City's website (FlatoniaTX.gov). Citizens are welcome to review this application for a 30-day public comment period and provide all public comment to (Sarah Novo) via email at Manager@ci.flatonia.tx.us or at City offices located at 125 E.

South Main, Flatonia, TX 78941 during regular business hours. For further information, contact the office of City Manager, Sarah Novo, at 361-865-3548.

I, Bryan Milson, Mayor, certify that this notice was posted to the Flatonia City Hall (125 E. South Main Street Flatonia, TX. 78941) as well as the City's website for public participation on September 9, 2020. This notice is to remain posted until October 30, 2020.



Bryan Milson, Mayor



**CDBG-MIT: Budget Justification of Retail Costs
(Former Table 2)**

Cost Verification Controls must be in place to assure that construction costs are reasonable and consistent with market costs at the time and place of construction.

Applicant/Subrecipient:	CITY OF FLATONIA					
Site/Activity Title:	BIG FIVE MILE CREEK DRAINAGE IMPROVEMENTS					
Eligible Activity:	FLOOD CONTROL AND DRAINAGE IMPROVEMENTS					
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
DITCH GRADING AND HAUL OFF	\$ 25.00	CY	36938	\$ 923,450.00	\$ -	\$ 923,450.00
DEBRIS REMOVAL WITHIN OHWM	\$ 25.00	CY	8934	\$ 223,350.00	\$ -	\$ 223,350.00
CONCRETE LINING DITCH	\$ 120.00	SY	2937	\$ 352,440.00	\$ -	\$ 352,440.00
CONCRETE APRON US\DS OF CULVERT	\$ 120.00	SY	4263	\$ 511,560.00	\$ -	\$ 511,560.00
REMOVE EXISTING CONCRETE FOUNDATION	\$ 21,000.00	LS	1	\$ 21,000.00	\$ -	\$ 21,000.00
ROCK RIP RAP ARMORING	\$ 100.00	CY	2596	\$ 259,600.00	\$ -	\$ 259,600.00
REVEGETATION	\$ 15.00	SY	12494	\$ 187,410.00	\$ -	\$ 187,410.00
REMOVE EXISTING 6'X5' CULVERT\HEADWALL	\$ 5,000.00	LS	1	\$ 5,000.00	\$ -	\$ 5,000.00
REMOVE EXISTING 2-48" CULVERT	\$ 5,000.00	LS	1	\$ 5,000.00	\$ -	\$ 5,000.00
AERIAL CROSSING FOR EX 10" WW	\$ 10,000.00	LS	1	\$ 10,000.00	\$ -	\$ 10,000.00
MARKET ST. EXTENSION PAVING IMPROVEMENTS (40 FEET WIDE)	\$ 750.00	LF	700	\$ 525,000.00	\$ -	\$ 525,000.00
TUNNEL BORE 1 - 4'X4' BOX CULVERT	\$ 3,100.00	LF	220	\$ 682,000.00	\$ -	\$ 682,000.00
TUNNEL BORE 2 - 9'X4' BOX CULVERT	\$ 14,000.00	LF	80	\$ 1,120,000.00	\$ -	\$ 1,120,000.00
TUNNEL BORE 1 - 10'X5' BOX CULVERT	\$ 9,500.00	LF	230	\$ 2,185,000.00	\$ -	\$ 2,185,000.00
TUNNEL BORE 1 - 12'X4' BOX CULVERT	\$ 9,400.00	LF	75	\$ 705,000.00	\$ -	\$ 705,000.00
4 - 7' X 3' BOX CULVERT BY OPEN CUT	\$ 2,300.00	LF	40	\$ 92,000.00	\$ -	\$ 92,000.00
2 - 10' X 4' BOX CULVERT BY OPEN CUT	\$ 2,300.00	LF	40	\$ 92,000.00	\$ -	\$ 92,000.00
4 - 10' X 4' BOX CULVERT BY OPEN CUT	\$ 4,600.00	LF	60	\$ 276,000.00	\$ -	\$ 276,000.00
HEADWALL (LESS THAN 30 FEET)	\$ 30,000.00	EA	6	\$ 180,000.00	\$ -	\$ 180,000.00
HEADWALL (WIDER THAN 30 FEET)	\$ 35,000.00	EA	10	\$ 350,000.00	\$ -	\$ 350,000.00
GUARDRAIL	\$ 145.00	LF	585	\$ 84,825.00	\$ -	\$ 84,825.00
PAVEMENT REPAIR FOR CULVERT INSTALLATION IN CITY STREETS INCLUDING BASE AND ASPHALT	\$ 110.00	SY	1334	\$ 146,740.00	\$ -	\$ 146,740.00
EROSION CONTROL	\$ 75,000.00	LS	1	\$ 75,000.00	\$ -	\$ 75,000.00
TRAFFIC CONTROL	\$ 75,000.00	LS	1	\$ 75,000.00	\$ -	\$ 75,000.00
UNION PACIFIC RR REQUIREMENTS	\$ 250,000.00	LS	1	\$ 250,000.00	\$ -	\$ 250,000.00
RESIDENTIAL\UNDEVELOPED AREAS EASEMENT ACQUISITION	\$\$/SF		305727		\$ 1,528,635.00	\$ 1,528,635.00
TOTAL				\$ 9,337,375.00	\$ 1,528,635.00	\$ 10,866,010.00

1. Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.

The only projected operation and maintenance cost is to periodically mow the grass lined ditch improvements. There is approximately 4000 feet of grass lined ditch improvements and it is assumed this would occur three times a year at an estimated cost of \$10,000 per occurrence. Annual mowing expense of \$30,000 is estimated. It is likely this will be performed by City staff at a lower cost. All improvements within TXDOT right-of-way will be maintained by TXDOT through their normal mowing and maintenance schedule. Culverts should need minimal maintenance other than occasional debris that may collect after large storm events. Maintenance of Market Street improvements will be incorporated into the City's road maintenance program.

2. Identify and explain any special engineering activities.

Project will require tunnel boring of box culverts under Union Pacific Railroad and TXDOT Highways. During the design process, consultation will be made with TXDOT, UP and Tunnel Boring Contractors. USACE permitting may be required for clearing debris within the ordinary high water mark of the creek and ditch improvements above the ordinary high water mark. This will be evaluated with an environmental consultant during the design process.

Date: _____



CDBG-MIT: Budget Justification of Retail Costs (Former Table 2)

Cost Verification Controls must be in place to assure that construction costs are reasonable and consistent with market costs at the time and place of construction.

Applicant/Subrecipient:		CITY OF FLATONIA				
Site/Activity Title:		FM 609/I-10 DRAINAGE IMPROVEMENTS				
Eligible Activity:		FLOOD CONTROL AND DRAINAGE IMPROVEMENTS				
Materials/Facilities/Services	\$/Unit	Unit	Quantity	Construction	Acquisition	Total
DITCH GRADING AND HAUL OFF	\$ 25.00	CY	1804	\$ 45,100.00	\$ -	\$ 45,100.00
CONCRETE LINING DITCH	\$ 120.00	SY	2087	\$ 250,440.00	\$ -	\$ 250,440.00
CONCRETE APRON US\DS OF CULVERT	\$ 120.00	SY	1018	\$ 122,160.00	\$ -	\$ 122,160.00
REVEGETATION	\$ 15.00	SY	567	\$ 8,505.00	\$ -	\$ 8,505.00
REMOVE EXISTING 54" CULVERT	\$ 115.00	LF	980	\$ 112,700.00	\$ -	\$ 112,700.00
UTILITY RELOCATION ALLOWANCE	\$ 250.00	LF	980	\$ 245,000.00	\$ -	\$ 245,000.00
TUNNEL BORE 1 - 3'X3' BOX CULVERT	\$ 1,800.00	LF	45	\$ 81,000.00	\$ -	\$ 81,000.00
TUNNEL BORE 1 - 5'X5' BOX CULVERT	\$ 4,900.00	LF	120	\$ 588,000.00	\$ -	\$ 588,000.00
TUNNEL BORE 1 - 12'X5' BOX CULVERT	\$ 8,000.00	LF	520	\$ 4,160,000.00	\$ -	\$ 4,160,000.00
2 - 8' X 4' BOX CULVERT BY OPEN CUT	\$ 1,700.00	LF	980	\$ 1,666,000.00	\$ -	\$ 1,666,000.00
1 - 12' X 5' BOX CULVERT BY OPEN CUT	\$ 1,150.00	LF	180	\$ 207,000.00	\$ -	\$ 207,000.00
HEADWALL (LESS THAN 30 FEET)	\$ 30,000.00	EA	5	\$ 150,000.00	\$ -	\$ 150,000.00
24" STORM OPEN CUT	\$ 150.00	LF	150	\$ 22,500.00	\$ -	\$ 22,500.00
42" STORM OPEN CUT	\$ 230.00	LF	180	\$ 41,400.00	\$ -	\$ 41,400.00
TUNNEL BORE 42" STORM	\$ 1,750.00	LF	150	\$ 262,500.00	\$ -	\$ 262,500.00
AREA INLETS	\$ 10,000.00	EA	8	\$ 80,000.00	\$ -	\$ 80,000.00
25' X 25' JUNCTION BOX	\$ 65,000.00	LS	1	\$ 65,000.00	\$ -	\$ 65,000.00
GUARDRAIL	\$ 145.00	LF	140	\$ 20,300.00	\$ -	\$ 20,300.00
PAVEMENT REPAIR FOR CULVERT INSTALLATION IN CITY STREETS INCLUDING BASE AND ASPHALT	\$ 110.00	SY	1223	\$ 134,530.00	\$ -	\$ 134,530.00
CONCRETE PAVEMENT REPAIR	\$ 120.00	SY	3212	\$ 385,440.00	\$ -	\$ 385,440.00
EROSION CONTROL	\$ 75,000.00	LS	1	\$ 75,000.00	\$ -	\$ 75,000.00
TRAFFIC CONTROL	\$ 75,000.00	LS	1	\$ 75,000.00	\$ -	\$ 75,000.00
RESIDENTIAL\UNDEVELOPED AREAS EASEMENT ACQUISITION	\$5/SF		10125		\$ 50,625.00	\$ 50,625.00
COMMERCIAL AREAS EASEMENT ACQUISITION	\$10/SF		36840		\$ 368,400.00	\$ 368,400.00
TOTAL				\$ 8,797,575.00	\$ 419,025.00	\$ 9,216,600.00

1. Identify and explain the annual projected operation and maintenance costs associated with the proposed activities.

The only projected operation and maintenance cost is to periodically mow the grass lined ditch improvements. There is approximately 300 feet of grass lined ditch improvements and it is assumed this would occur four times a year at an estimated cost of \$500 per occurrence. Annual mowing expense of \$2,000 is estimated. It is likely this will be performed by City staff at a lower cost. All improvements within TXDOT right-of-way will be maintained by TxDOT through their normal mowing and maintenance schedule. Culverts should need minimal maintenance other than occasional debris that may collect after large storm events.

2. Identify and explain any special engineering activities.

Project will require tunnel boring of box culverts and pipe under TXDOT Highways. During the design process, consultation will be made with TXDOT and Tunnel Boring Contractors.

Date:	
Phone Number:	

For purposes of Mitigation application and implementation, the Project provided represents the overall Mitigation need being met.

<p>Hazard, Risk Description - Describe how the risk(s) selected (Flooding, Hurricanes/Tropical Storms) are impacting the proposed project area. Reference where adopted local mitigation efforts are planned or underway where appropriate.</p>	<p>Flooding from significant storms such as hurricanes and tropical storms occurs within the project areas and these areas have been impacted in the last 5 years. Portions of the project area located on Big Five Mile Creek are mapped FEMA floodplain. Inundation of these areas are seen in larger storm events. A drainage culvert on Big Five Mile Creek under a Union Pacific Railroad located south of US 90 is undersized and creates a backup upstream of this crossing. A majority of the south side of Flatonia drains through this UP culvert crossing; therefore the upstream storm drainage system does not optimally function due to the choked outfall point of the undersized UP culvert crossing. The existing SH 95 culvert crossing Big Five Mile Creek is undersized and in larger storm events sees drainage encroach into the roadway creating a hazardous situation for vehicular travel.</p> <p>Existing drainage culverts and storm sewer from near FM 609/12th Street to FM 609/I-10 are undersized. A commercial building at the southeast corner of FM 609 and 12th Street sees water encroachment into the building. Inundation occurs on the south frontage road intersections of FM 609 and I-10 during large storm events creating a hazardous situation for vehicular travel. There are no local mitigation efforts planned or underway other than pursuit of this grant application. This flooding hazard has been known by the City; however, due to cost of improvements and lack of funding, mitigation was never an option.</p>
<p>Hazard Mitigation Actions - Describe how the proposed project will mitigate against the identified lists. Reference where adopted local mitigation efforts are being enhanced where appropriate.</p>	<p>The UP Culvert at Big Five Mile Creek will be improved by adding additional box culvert adjacent to the existing culvert. The combined conveyance capacity will be the 100 year event. Upsizing this culvert will now eliminate a choke point that currently impacts areas upstream of this location. The project will improve Big Five Mile Creek from the UP Culvert downstream through I-10 and sized for the 100 year event. Improvements will include clearing debris within the Ordinary High Water Mark (OHWM) of the creek and regrading the creek above the OHWM. Portions of the creek will be concrete lined for stabilization and limited space between culvert crossings. Culverts crossing streets will also be upgraded with culvert replacements or by adding additional culverts adjacent to existing culverts. The Culvert at SH 95 and Big Five Mile Creek is being improved by adding additional box culvert adjacent to the existing culvert. Drainage ditch and storm sewer improvements on 12th Street and the adjacent alley are proposed to address the poor drainage condition causing water to encroach the commercial building at the southeast corner of FM 609 and 12th Street. Box Culvert improvements are proposed from the intersection of 12th Street and FM 609 back to the north across I-10 including improvements at the southeast corner of FM 609 and I-10. These drainage improvements are sized for the 100 year event. The drainage improvements described will address the hazard risks described above by providing conveyance in the 100 year storm.</p>
<p>Provide a Project Summary: Summary must identify each Activity and Site required for successful mitigation, and identify the risk being mitigated.</p>	<p>Project: City of Flatonia Drainage Improvements Project Project Sites: Big Five Mile Creek and FM 609/I-10 Big Five Mile Creek Activities: Culvert and drainage ditch improvements are proposed from just south of the Union Pacific Railroad at US 90 to the north side frontage road of I-10. Culvert improvements include either replacing existing culverts or adding additional culverts adjacent to existing culverts for combined conveyance capacity of the 100 year event. The location for these culvert improvements include UP Railroad Crossing, US 90/N. Main, 7th St., 9th St., SH 95/Penn St, Market St., south frontage road of I-10, and the main lines of I-10. Ditch improvements will include clearing debris within the Ordinary High Water Mark (OHWM) of the creek and regrading the creek above the OHWM. Portions of the creek will be concrete lined for stabilization and limited space between culvert crossings. Market Street will be extended to the frontage road on the south side of I-10 and include a box culvert crossing with Big Five Mile Creek. All improvements will be sized for the 100 year event. The risk being mitigated is flooding. FM 609/I-10 Activities: Culvert and drainage ditch improvements are proposed from the alley just south of 12th Street, on 12th Street, along FM 609 to the north side of I-10. A drainage ditch will be provided along the alley south of 12th Street. The drainage from this ditch will be collected in inlets and conveyed by storm sewer on 12th Street and cross FM 609 to a proposed box culvert. This drainage improvement will mitigate the drainage that encroaches the commercial building at the southeast corner of FM 609 and 12th Street and will be designed for the 100 year event. Proposed underground box culvert, inlets and storm sewer on the west side of FM 609 from 12th St to the north side of I-10 will be installed. Additional culverts will be installed at the southeast corner of FM 609 and I-10 and will have improved ditches between the culverts. Culvert improvements include either replacing existing culverts or adding additional culverts adjacent to existing culverts for combined conveyance capacity of the 100 year event. All improvements will be sized for the 100 year event. The risk being mitigated is flooding.</p>
<p>Is proposed project in Local plan? NO</p>	<p>NA</p>

TABLE 1 - CONTRACT BUDGET AND BENEFICIARY IDENTIFICATION

Provide comprehensive budget information to include construction, engineering, acquisition, environmental services, and administrative costs. Also include all other funds (FEMA, insurance, local, etc.) committed to the completion of the proposed projects.

A *project* is defined as a discrete combination of entity (i.e., city or county), activity (i.e., water, sewer, etc.), beneficiary population, and national objective. A *site* is defined as a discrete location for activities within a project. A project can have one or more sites.

BUDGET TABLE

Project Title	Total Benef	LMI Benef	LMI %	CDBG-DR Construction	CDBG-DR Engineering	CDBG-DR Acquisition	CDBG-DR Environmental	CDBG-DR Admin	Total CDBG-DR Request	Other Funds	Activity Total	+
# 03i Flatonia Big Five Mile Creek Drainage Improvements	1,535	915	59.61%	\$9,337,375.00	\$1,629,901.50	\$1,528,635.00	\$30,000.00	\$969,672.97	13,495,584.47	\$0.00	13,495,584.47	X
# 03i FM 609/I-10 Drainage Improvements	1,535	915	59.61%	\$8,797,575.00	\$1,382,490.00	\$419,025.00	\$30,000.00	\$817,927.20	11,447,017.20	\$0.00	11,447,017.20	X
SUMMARY TOTALS	3,070	1,830	59.61%	18,134,950	\$3,012,391.5	\$1,947,660.0	\$60,000.00	\$1,787,600.17	24,942,601.67	\$0.00	24,942,601.67	

Beneficiary Identification Method(s) Per Project:

03i Project Title: Flatonia Big Five Mile Creek Drainage Improvements

HUD National Objective: Benefiting low- and moderate- (L/M) income persons

Select One Benefit Type: City wide Benefit County wide Benefit Area Benefit Direct Benefit

Select Beneficiary Identification Method

SURVEY: An approved TxCDBG survey was used to identify the beneficiaries for this activity.

HUD LMISD information was used to identify the beneficiaries for this activity.

The required Census or Texas State Data Center map has been provided.

Provide the number of beneficiaries identified through each of the following methods for this activity:

TxCDBG Survey: 0 HUD LMISD: 1,535 Area Benefit: 0 Housing Activity: 0 Limited Clientele: 0

Race	# Non-Hispanic Beneficiaries	# Hispanic Beneficiaries	Total Activity Beneficiaries	+
White	686	658	1,344	X
Black African American	110	0	110	X
American Indian/Alaskan Native/White	1	2	3	X
Other Multi-Racial	2	68	70	X
	807	728	1,535	

Gender	Total Males	Total Females	Total Benes
	805	730	1535

REQUIRED - Census Geographic Area Data										County Code	+
Identify the census tract and block group(s) in which the project will take place										149	
Census Tract (6-digit)	01	02	03	04	05	06	07	08	09	10	X
9705.00			<input checked="" type="checkbox"/>								

031 Project Title **FM 609.1.10 Drainage Improvements**

HUD National Objective **Benefiting low- and moderate- (L/M) income persons**

Select One Benefit Type City-wide Benefit County-wide Benefit Area Benefit Direct Benefit

Select Beneficiary Identification Method

- SURVEY: An approved TxCDBG survey was used to identify the beneficiaries for this activity
- HUD LMISD information was used to identify the beneficiaries for this activity.

The required Census or Texas State Data Center map has been provided

Provide the number of beneficiaries identified through each of the following methods for this activity

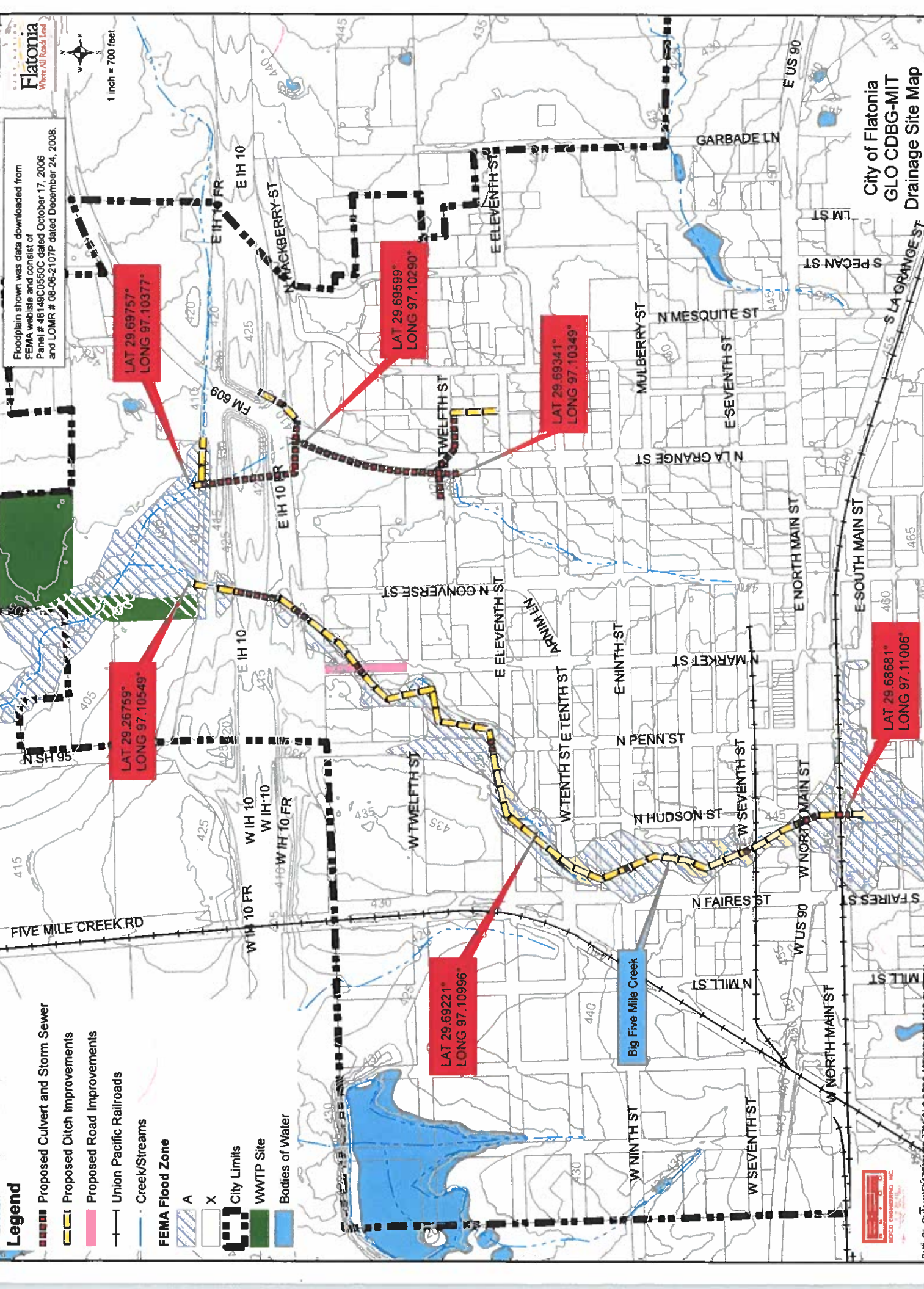
TxCDBG Survey: 0 HUD LMISD: 1,535 Area Benefit: 0 Housing Activity: 0 Limited Clientele: 0

Race	# Non-Hispanic Beneficiaries	# Hispanic Beneficiaries	Total Activity Beneficiaries	+
White	686	658	1,344	X
Black African American	118	0	118	X
American Indian/Alaskan Native/White	1	2	3	X
Other Multi-Racial	2	68	70	X
	807	728	1,535	
Gender	Total Males	Total Females	Total Benes	
	805	728	1533	

REQUIRED - Census Geographic Area Data										County Code	+
Identify the census tract and block group(s) in which the project will take place										149	
Census Tract (6-digit)	01	02	03	04	05	06	07	08	09	10	X
9705.00			<input checked="" type="checkbox"/>								

[Click here to ADD ANOTHER Table 1](#)

[Click here to REMOVE the last Table 1](#)



Legend

- Proposed Culvert and Storm Sewer
- Proposed Ditch Improvements
- Proposed Road Improvements
- Union Pacific Railroads
- Creek/Streams
- FEMA Flood Zone
- City Limits
- WWTP Site
- Bodies of Water

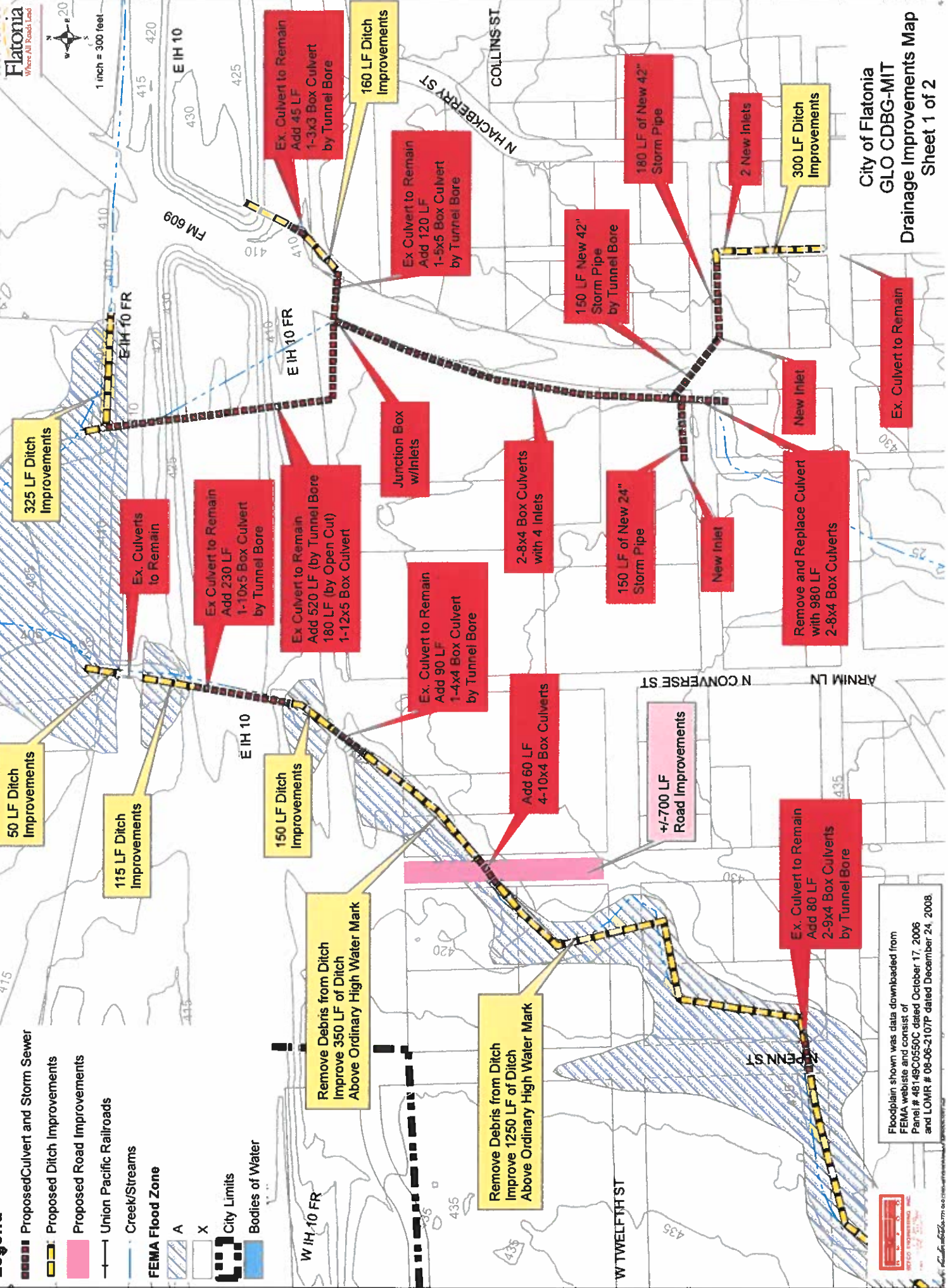
Floodplain shown was data downloaded from FEMA website and consist of Panel # 48149C0550C dated October 17, 2006 and LOMR # 08-06-2107P dated December 24, 2008.



City of Flatonia
GLO CDBG-MIT
Drainage Site Map

Legend

- Proposed Culvert and Storm Sewer
- Proposed Ditch Improvements
- Proposed Road Improvements
- Union Pacific Railroads
- Creek/Streams
- FEMA Flood Zone
- City Limits
- Bodies of Water



Floodplain shown was data downloaded from FEMA website and consist of Panel # 48149C0550C dated October 17, 2006 and LOMR # 08-06-2107P dated December 24, 2008.

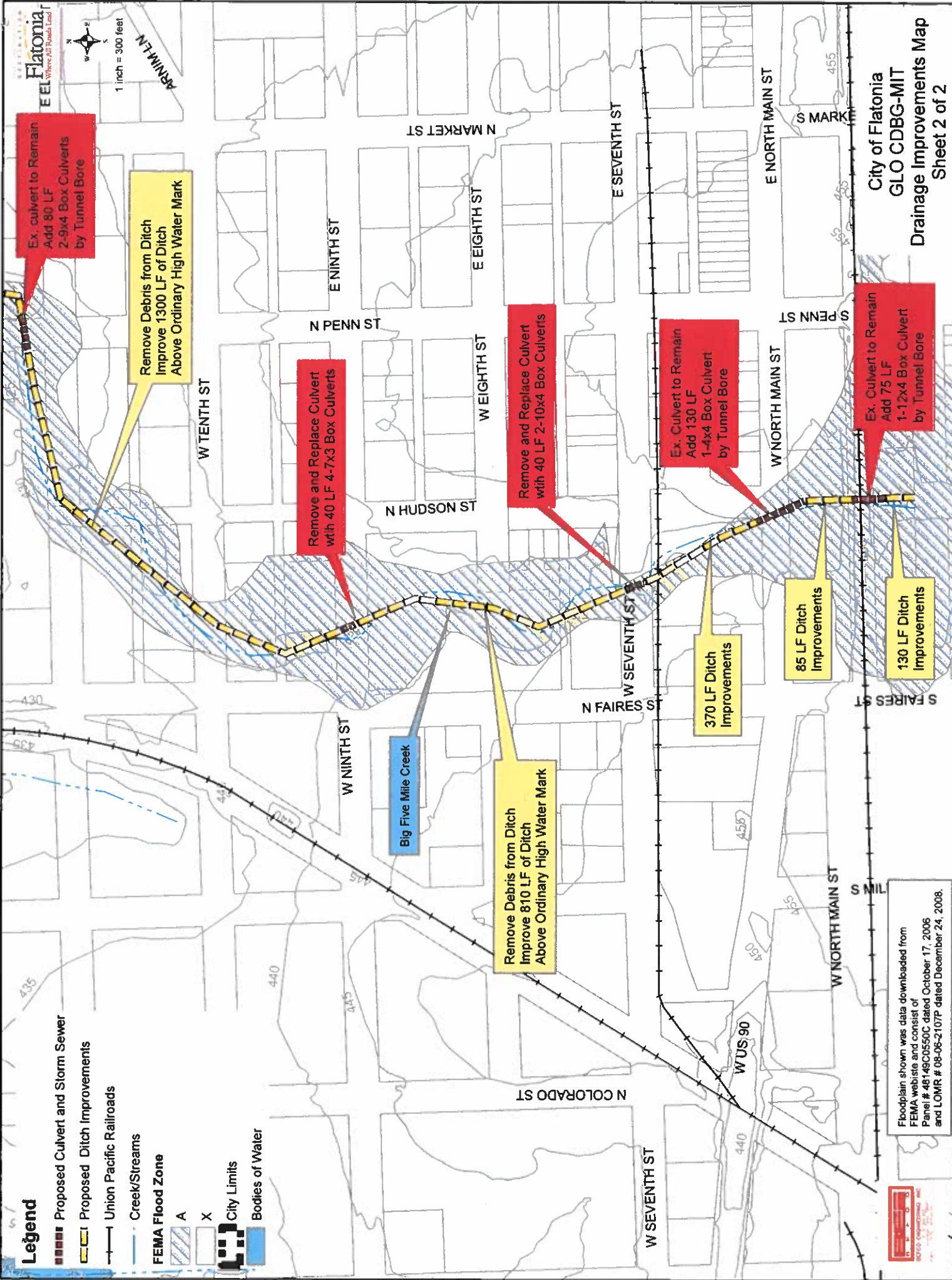
1 inch = 300 feet



ARMINEN

Legend













- Proposed Culvert and Storm Sewer
- Proposed Ditch Improvements
- Union Pacific Railroads
- Creek/Streams
- FEMA Flood Zone
- City Limits
- Bodies of Water

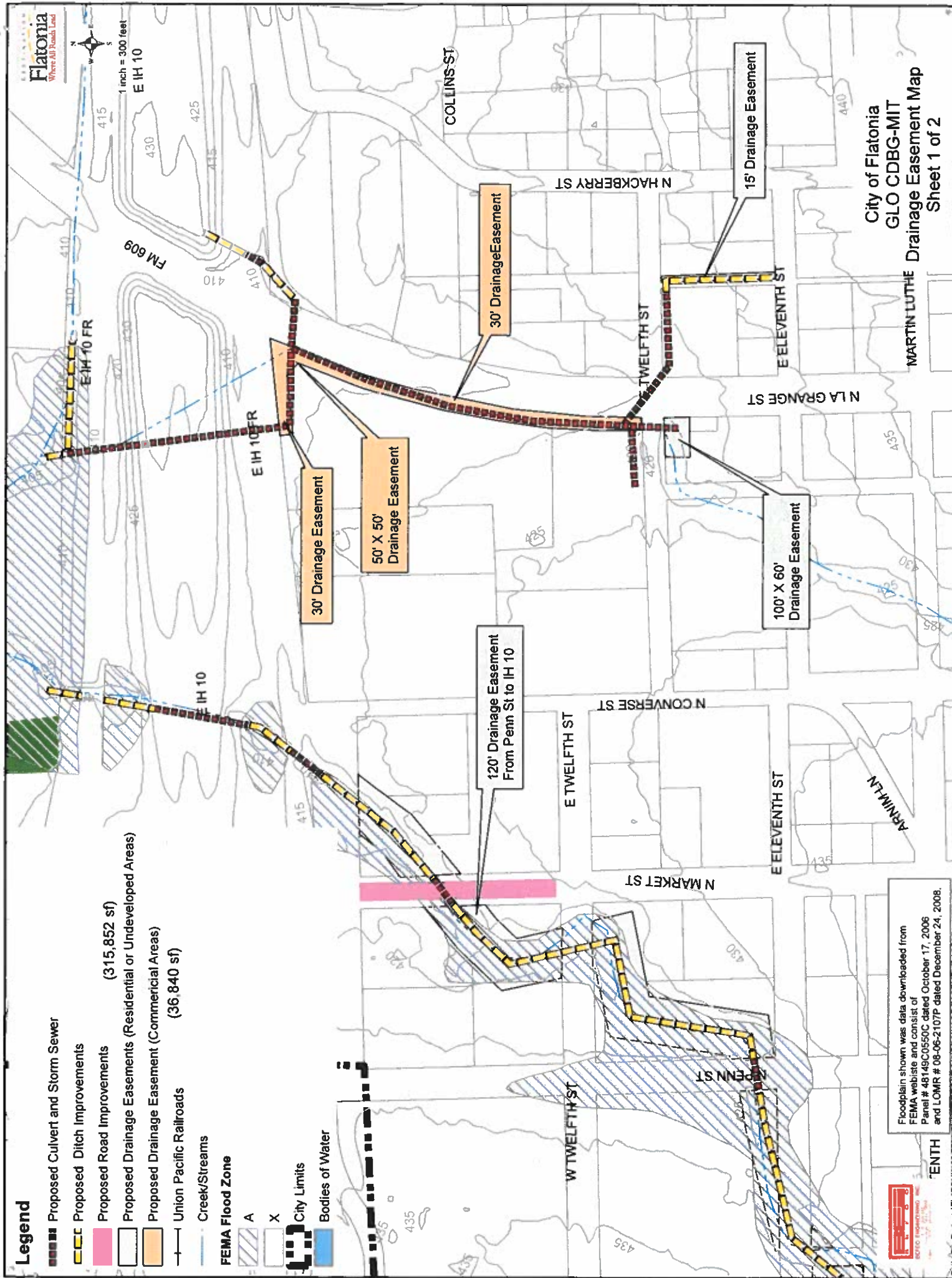


Floodplain shown was data downloaded from FEMA website and consist of Panel # 48149C0550C dated October 17, 2006 and LOMR # 08-06-2107P dated December 24, 2008.



Legend

-  Proposed Culvert and Storm Sewer
-  Proposed Ditch Improvements
-  Proposed Road Improvements (315,852 sf)
-  Proposed Drainage Easements (Residential or Undeveloped Areas)
-  Proposed Drainage Easement (Commercial Areas) (36,840 sf)
-  Union Pacific Railroads
-  Creek/Streams
-  FEMA Flood Zone
-  A
-  X
-  City Limits
-  Bodies of Water



1 inch = 300 feet
E IH 10

Floodplain shown was data downloaded from FEMA website and consist of Panel # 48149C0550C dated October 17, 2006 and LOMR # 09-06-2107P dated December 24, 2008.



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