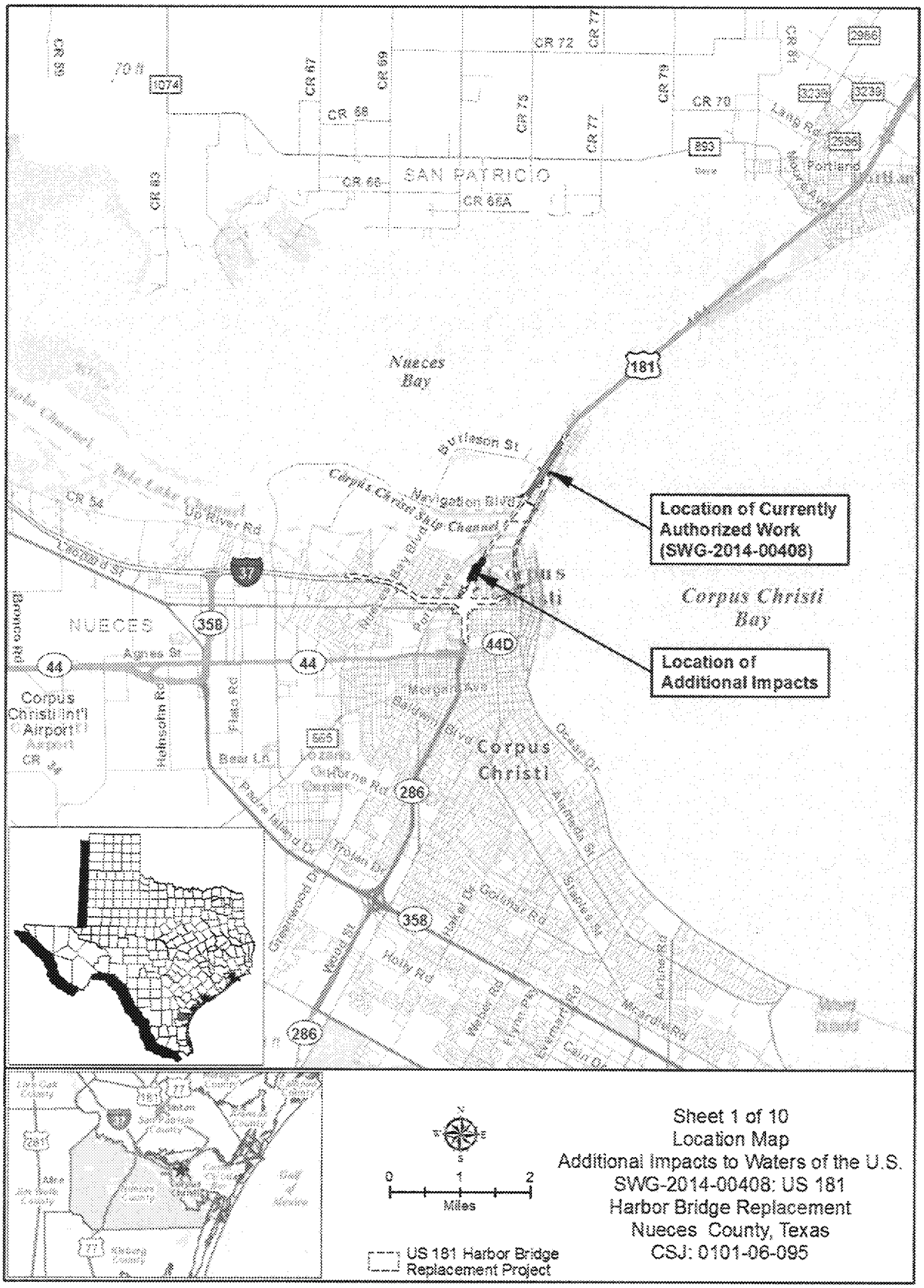
SWG-2014-00408
Permit Modification

APR 18 2017

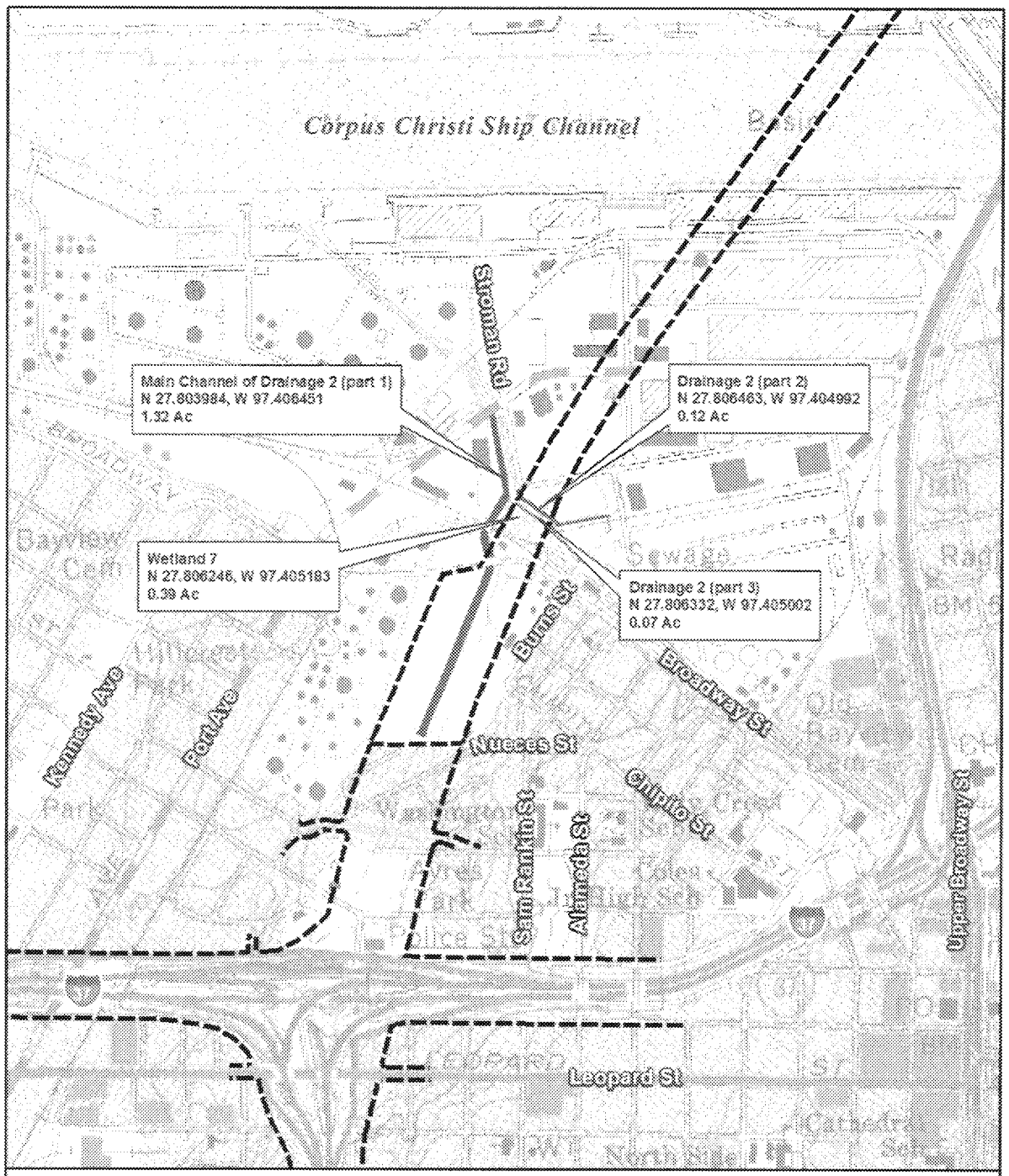


Additional Impacts to Waters of the U.S.
SWG-2014-00408: US 181 Harbor Bridge Replacement Project
Nueces County, Texas (CSJ: 0101-06-095)

Attachments

Plan Sheet 1 of 10

APR 18 2017



Sheet 2 of 10
Location of Subject Water Features
SWG-2014-00408: US 181
Harbor Bridge Replacement
Nueces County, Texas
CSJ: 0101-06-095

Base Map: 7.5' USGS Topographic Quadrangle

SWG-2014-00408
Permit Modification

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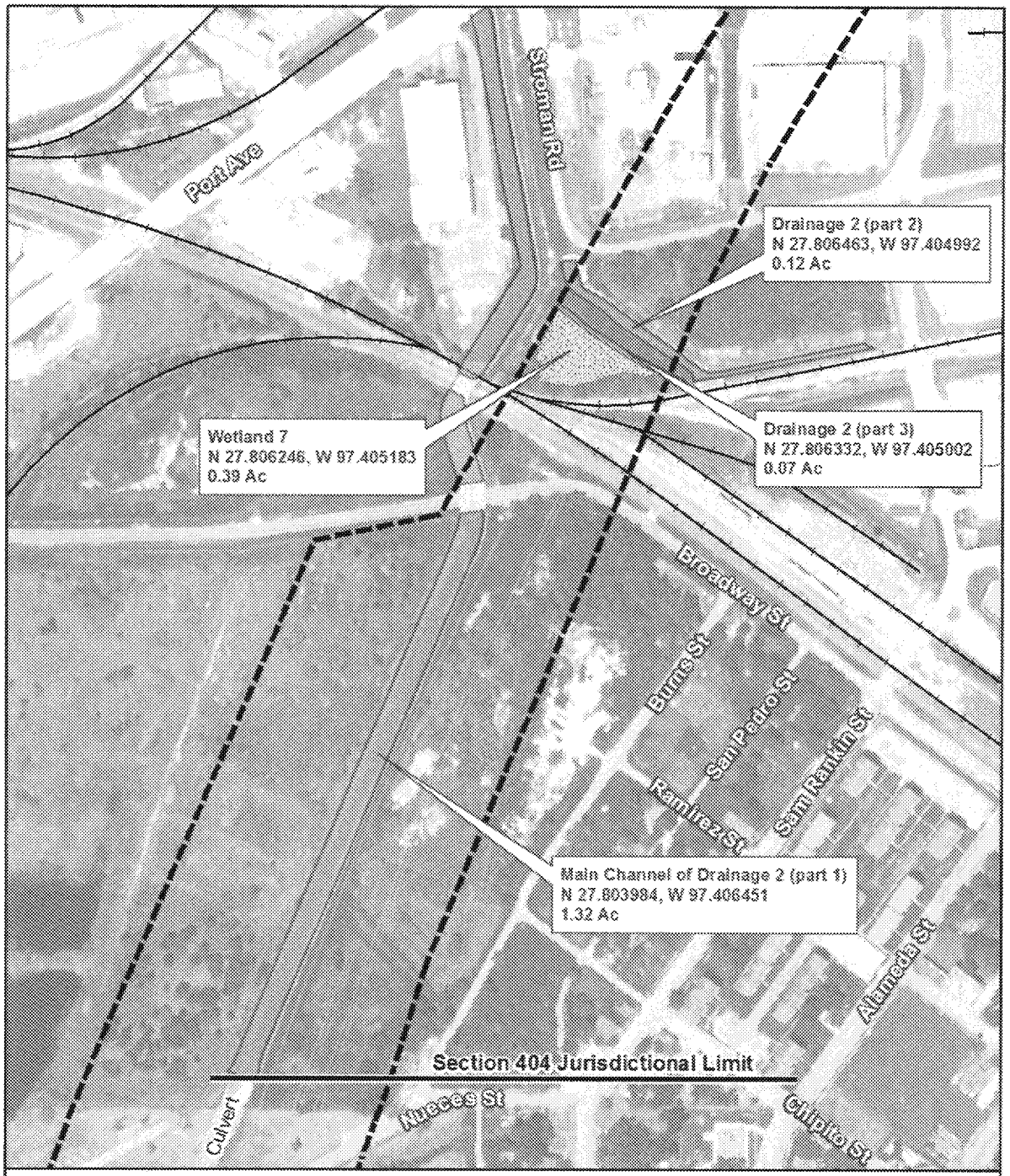


Project Right-of-way
Wetland
Drainage Feature

N
W E
S

0 150 300
Feet

Sheet 3 of 10
Subject Water Features
SWG-2014-00408: US 181
Harbor Bridge Replacement
Nueces County, Texas
CSJ: 0101-06-095

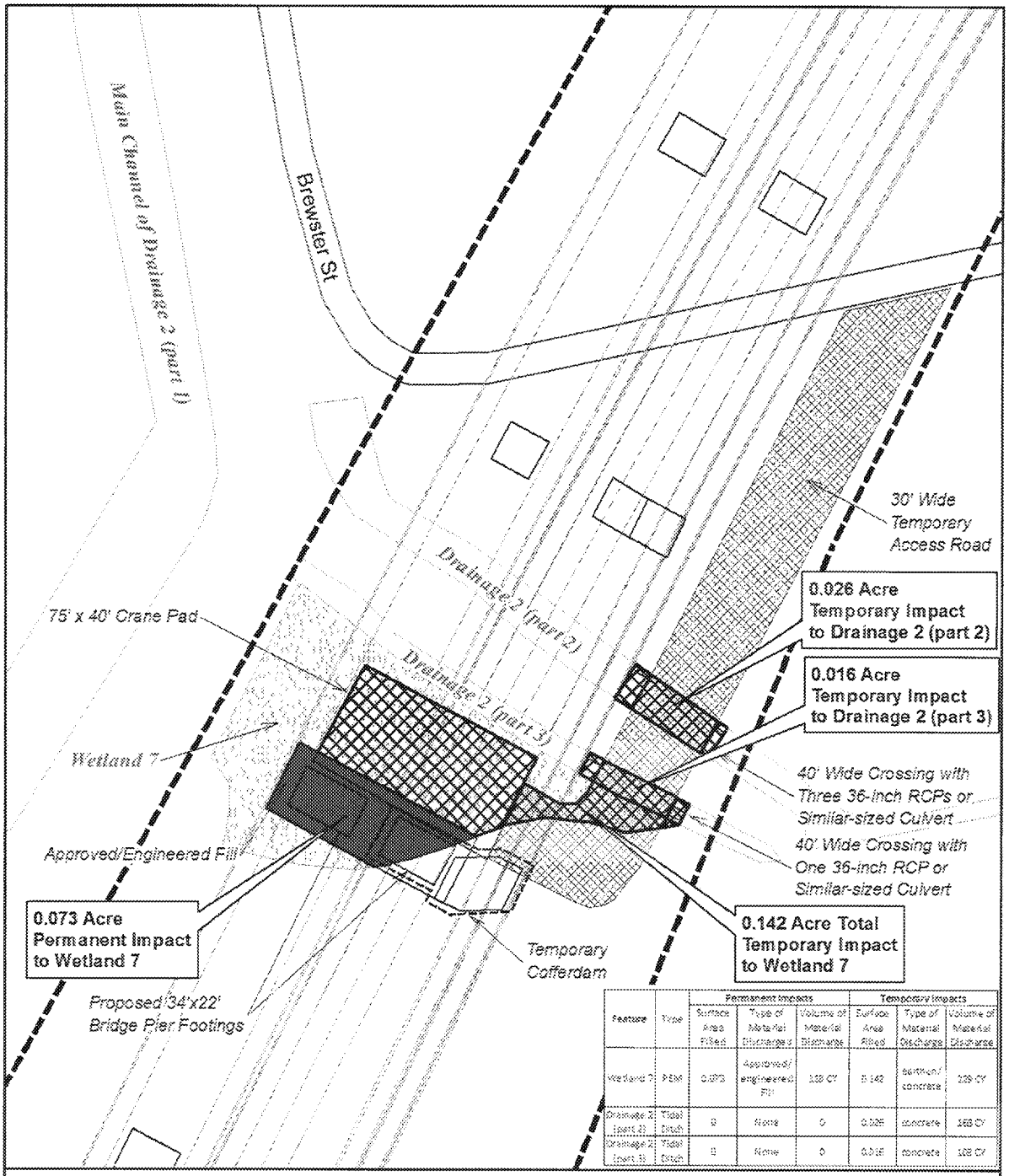
Base Map: 2015 TOP Imagery

Additional Impacts to Waters of the U.S.
SWG-2014-00408: US 181 Harbor Bridge Replacement Project
Nueces County, Texas (CSJ: 0101-06-095)

Attachments

Plan Sheet 3 of 10

APR 18 2017



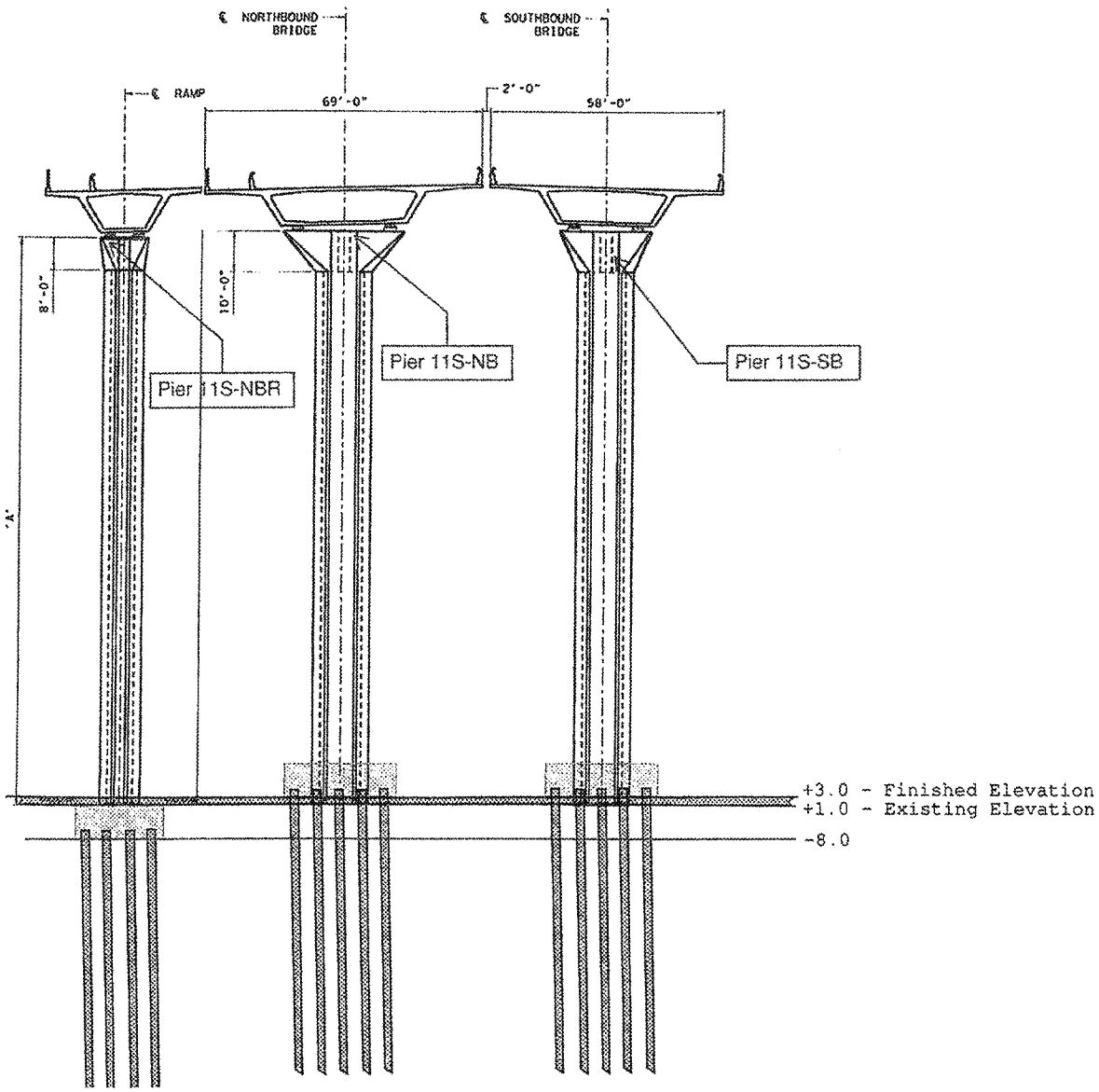
Feature	Type	Permanent Impacts			Temporary Impacts		
		Surface Area Filled	Type of Material Discharged	Volume of Material Discharge	Surface Area Filled	Type of Material Discharge	Volume of Material Discharge
Wetland 7	PEM	0.073	Approved/ engineered Fill	128 CY	0.142	earthen/ concrete	328 CY
Drainage 2 (part 2)	Tidal Ditch	0	None	0	0.026	concrete	188 CY
Drainage 2 (part 3)	Tidal Ditch	0	None	0	0.016	concrete	128 CY

- Project Right-of-way
- Proposed US 181 Harbor Bridge
- Temporary Access Road
- Wetland
- Drainage Feature
- Permanent impact
- Temporary Impact

0 50 100
Feet

Sheet 4 of 10
Impacts to Wetland 7, Drainage 2 (part 2), and Drainage 2 (part 3)
SWG-2014-00408: US 181 Harbor Bridge Replacement
Nueces County, Texas
CSJ: 0101-06-095

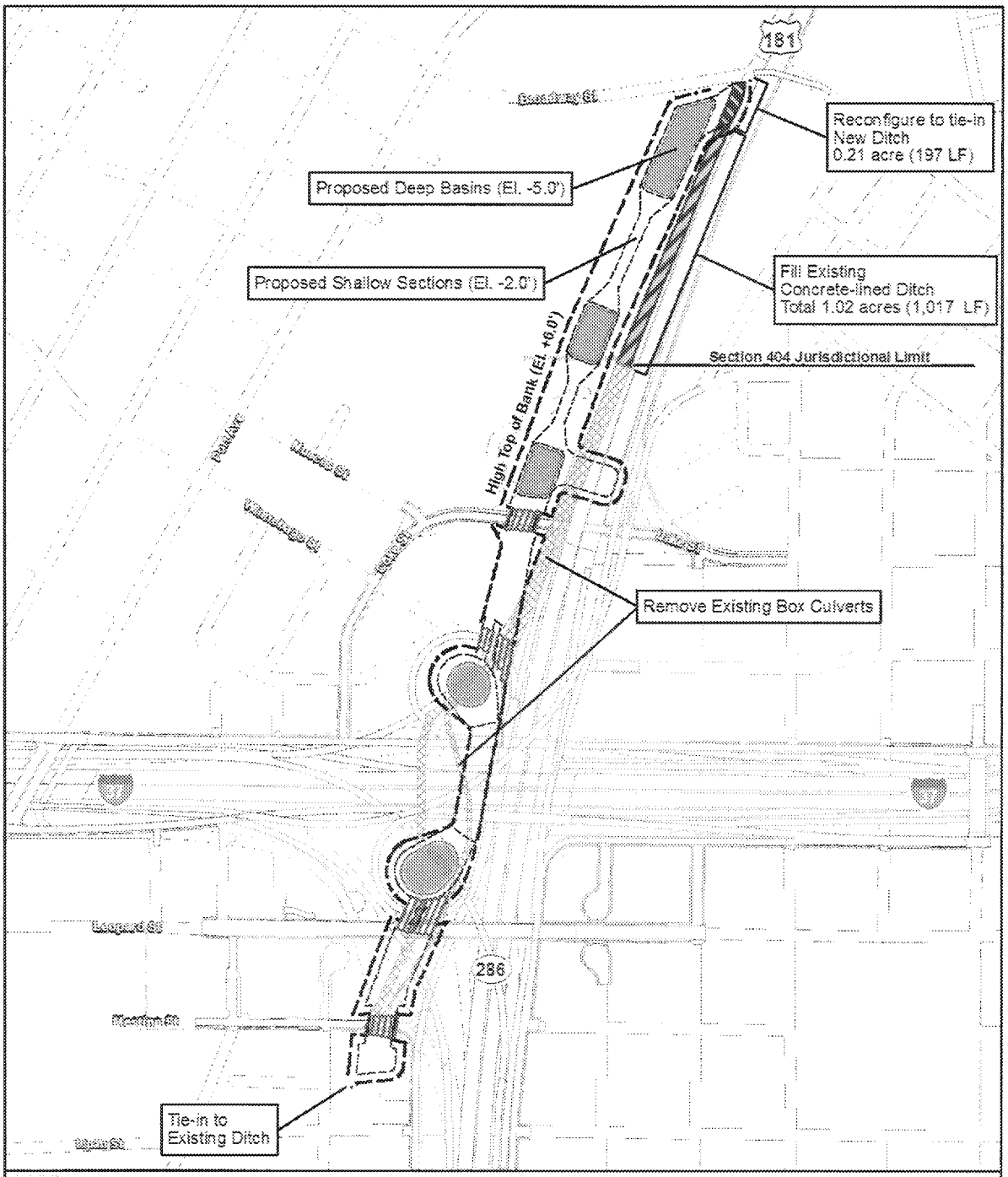
APR 18 2017



Sheet 5 of 10
Cross-section of Permanent Fill in Wetland 7
SWG-2014-00408: US 181 Harbor Bridge Replacement
Nueces County, Texas
CSJ: 0101-06-095

SWG-2014-00408
Permit Modification

APR 18 2017



Proposed Roadway Improvement
Remove Existing Box Culverts

Proposed Salt Flat Ditch

High Top of Bank (El. +6.0' NAVD 88)
Shallow Ditch Section (El. -2.0' NAVD 88)
Deep Basin (El. -5.0' NAVD 88)
Box Culvert

Impacts to Section 404 Waters

Fill Existing Concrete-lined Channel
Reconfigure to tie-in New Ditch

0 300 600
Feet

Sheet 6 of 10
Salt Flat Ditch
Relocation Overview
SWG-2014-00408: US 181
Harbor Bridge Replacement
Nueces County, Texas
CSJ: 0101-06-095

Additional Impacts to Waters of the U.S.
SWG-2014-00408: US 181 Harbor Bridge Replacement Project
Nueces County, Texas (CSJ: 0101-06-095)

Attachments

Plan Sheet 6 of 10

SWG-2014-00408
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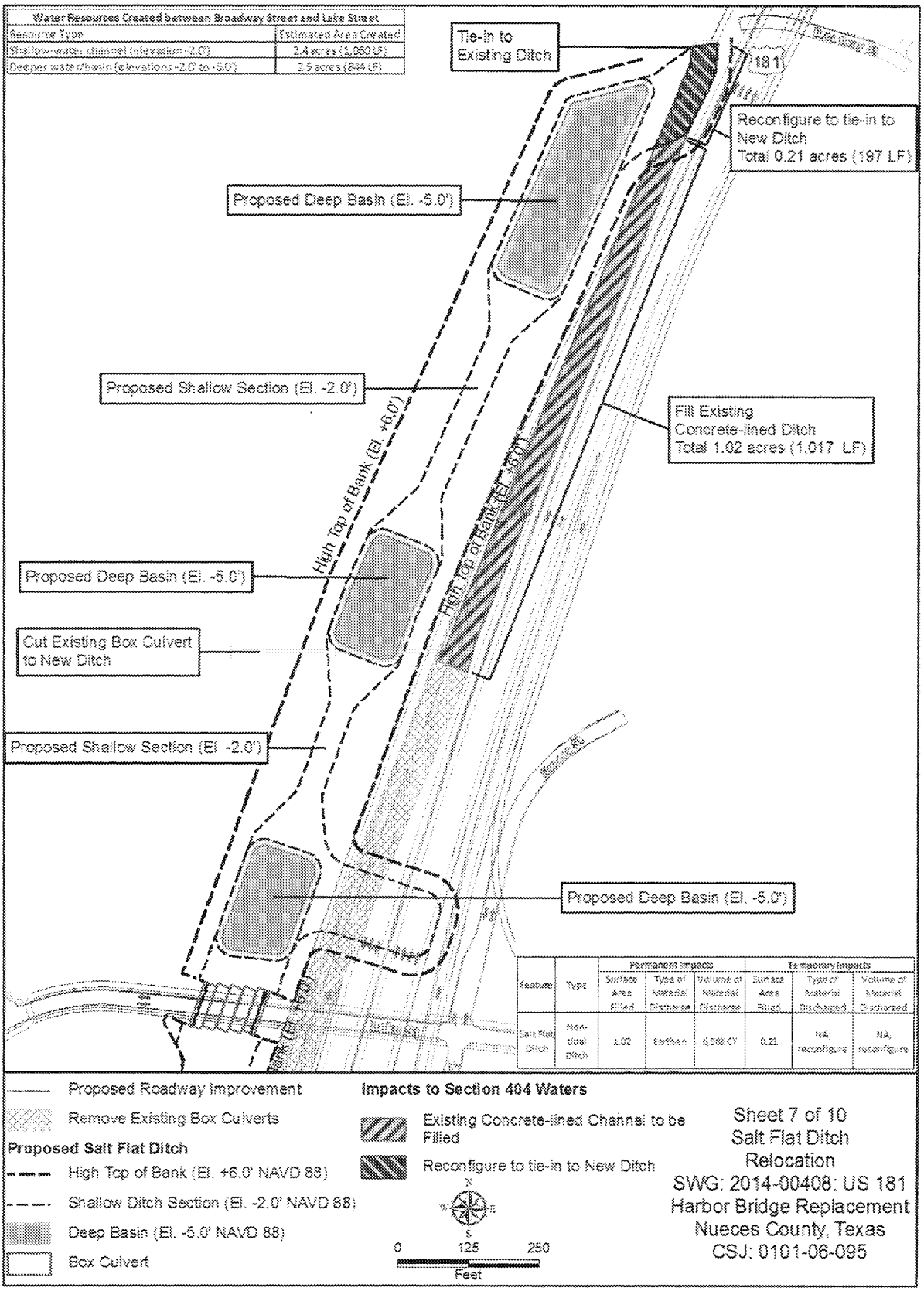
APR 18 2017



Water Resources Created between Broadway Street and Lake Street	
Resource Type	Estimated Area Created
Shallow-water channel (elevation -2.0')	2.4 acres (1,060 LF)
Deeper water/basin (elevations -2.0' to -5.0')	2.5 acres (844 LF)

Feature	Type	Permanent Impacts			Temporary Impacts		
		Surface Area Filled	Type of Material Discharged	Volume of Material Discharged	Surface Area Filled	Type of Material Discharged	Volume of Material Discharged
Salt Flat Ditch	Non-tidal Ditch	1.02	Earthen	6,588 CY	0.21	NA: reconfigure	NA: reconfigure

Additional Impacts to Waters of the U.S.
SWG-2014-00408: US 181 Harbor Bridge Replacement Project
Nueces County, Texas (CSJ: 0101-06-095)

Attachments

Plan Sheet 7 of 10

APR 18 2017

SWG-2014-00408
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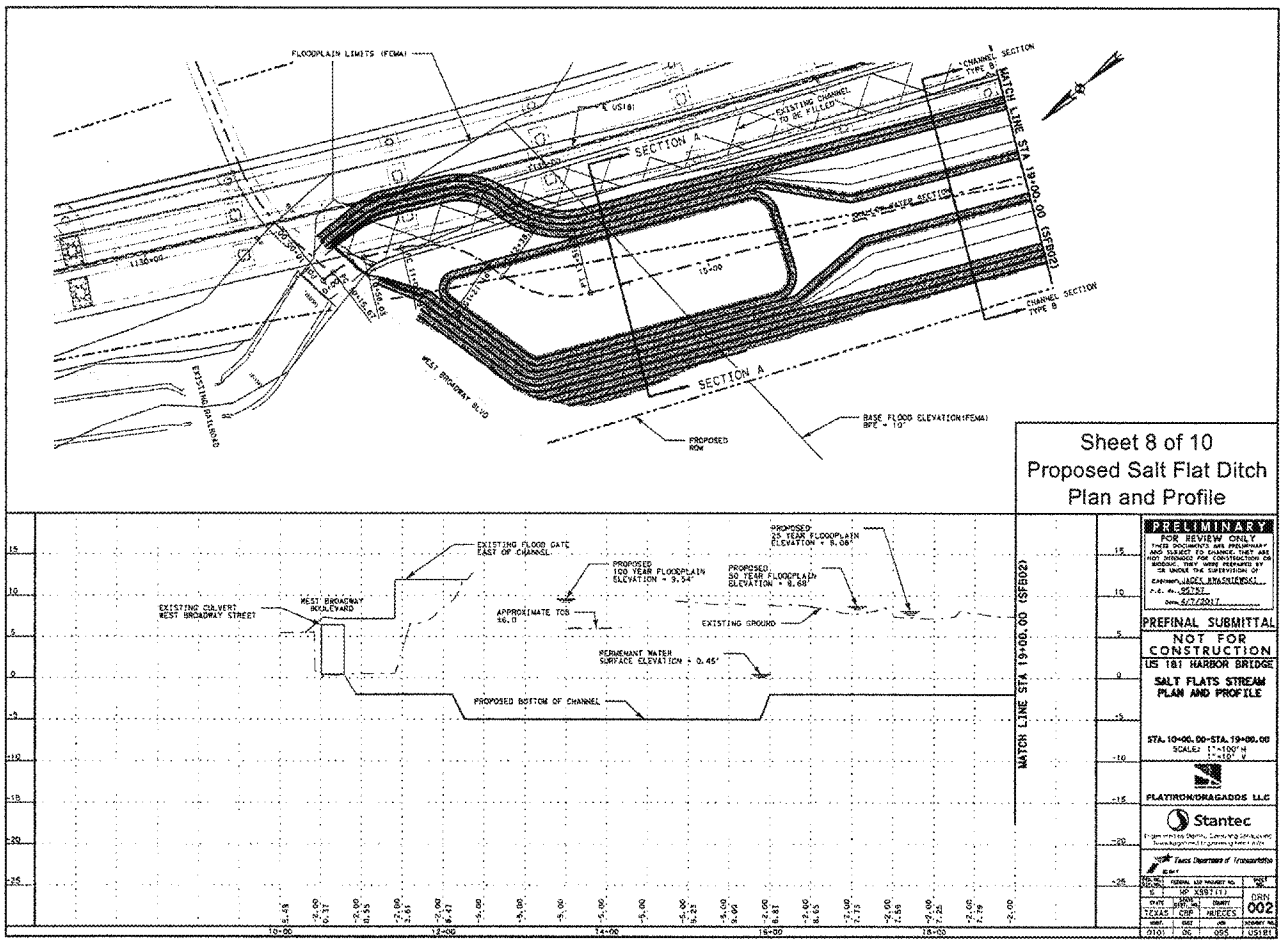

Additional Impacts to Waters of the U.S.
SWG-2014-00408: US 181 Harbor Bridge Replacement Project
Nueces County, Texas (CSJ: 0101-06-095)

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Plan Sheet 8 of 10

APR 18 2017

SWG-2014-00408
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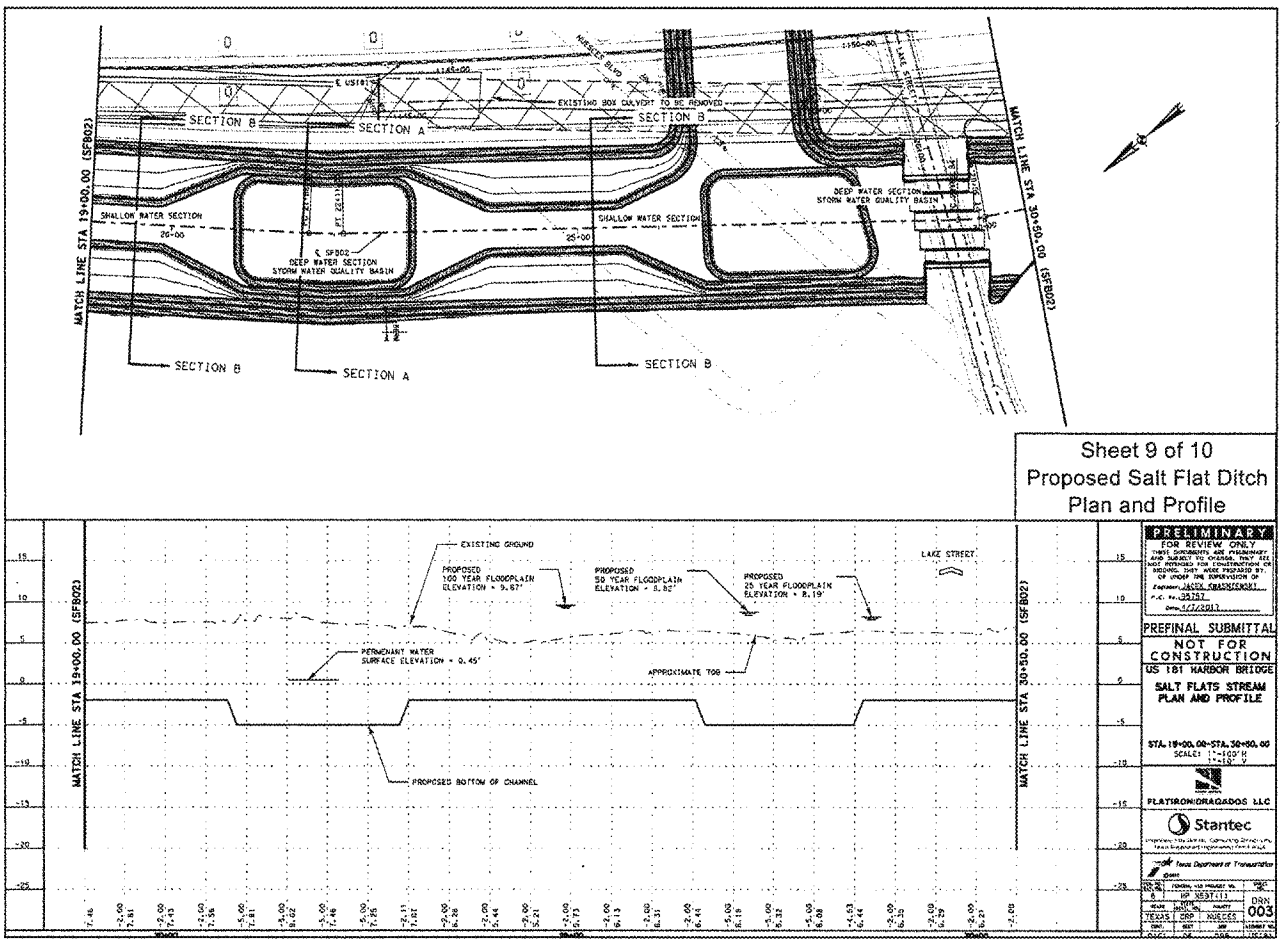


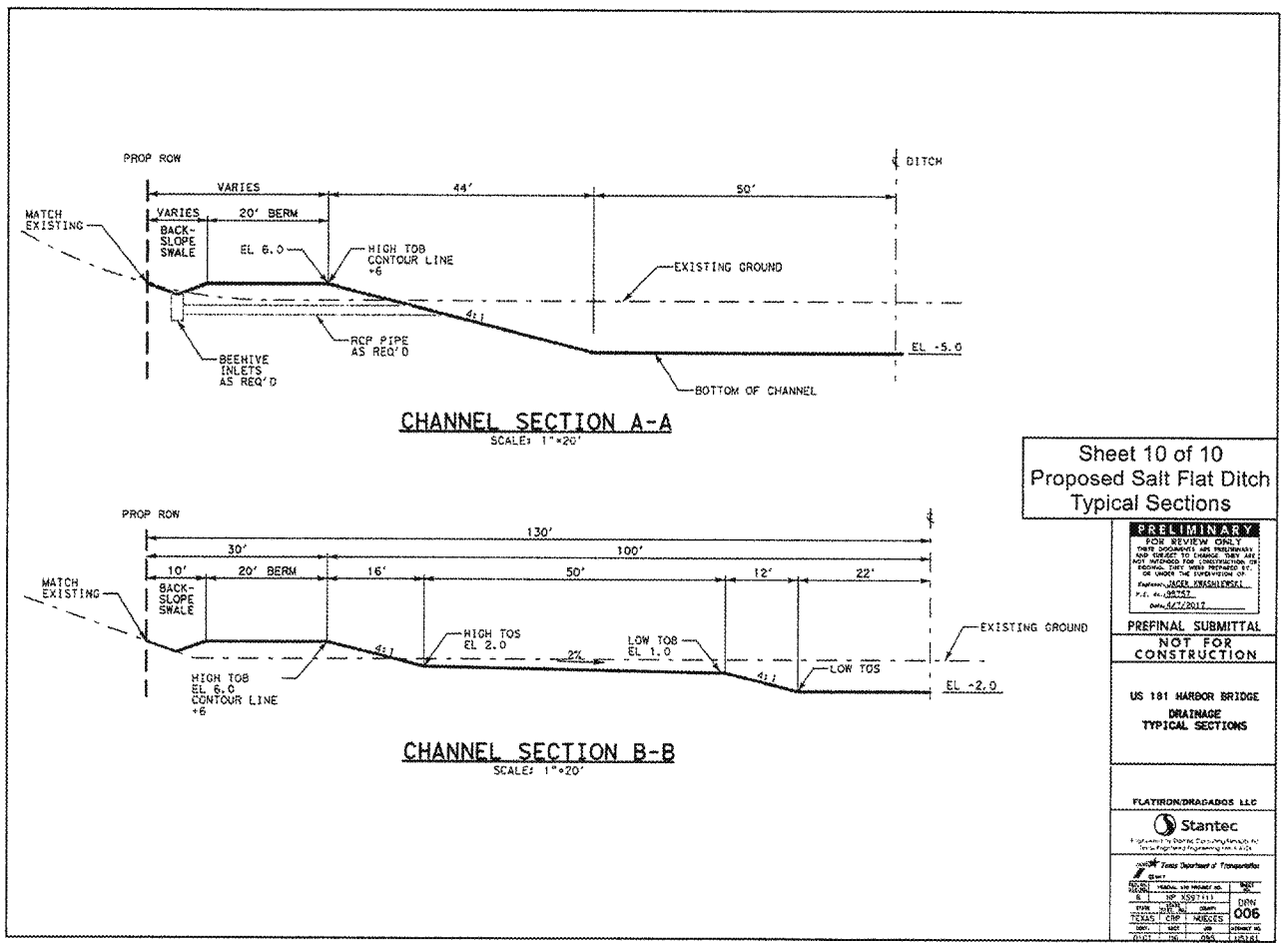
Additional Impacts to Waters of the U.S.
SWG-2014-00408: US 181 Harbor Bridge Replacement Project
Nueces County, Texas (CSJ: 0101-06-095)

Attachments

Plan Sheet 9 of 10

APR 18 2017

SWG-2014-00408
Permit Modification



Attachments

Additional Impacts to Waters of the U.S.
SWG-2014-00408: US 181 Harbor Bridge Replacement Project
Nueces County, Texas (CSJ: 0101-06-095)

Plan Sheet 10 of 10