



DEPARTMENT OF THE ARMY  
FORT WORTH DISTRICT, CORPS OF ENGINEERS  
P. O. BOX 17300  
FORT WORTH, TEXAS 76102-0300

July 17, 2002

REPLY TO  
ATTENTION OF:

Planning, Environmental, and Regulatory Division  
Regulatory Branch

SUBJECT: Project Number 199600228

Mr. Bob Daigh  
Texas Turnpike Authority Division  
Texas Department of Transportation  
125 East 11th Street  
Austin, Texas 78701-2483

Dear Mr. Daigh:

You are hereby authorized under Section 404 of the Clean Water Act to discharge dredged and fill material into waters of the United States associated with the construction of State Highway 130 (SH 130) in accordance with Permit Number 199600228. A copy of the permit is enclosed.

To use this permit, the person responsible for the project must ensure that the work is conducted in accordance with the terms and conditions of the permit. We caution you to submit revised drawings to us for approval prior to construction should any changes be found necessary in either the location or plans for the work. Approval of revised plans may be granted if they are found not contrary to the public interest.

This permit should not be considered as an approval of the design features of any structure authorized or an implication that such construction is considered adequate for the purpose intended. It does not authorize any damage to private property, invasion of private rights, or any infringement of federal, state, or local laws or regulations.

We appreciate your interest in our nation's water resources, and your cooperation in complying with our regulatory program. If you have questions in the future, please contact Mr. Ken Laterza at the address above or telephone (817)886-1735.

Sincerely,

A handwritten signature in cursive script that reads "Wayne A. Lea".

Wayne A. Lea  
Chief, Regulatory Branch

Enclosures

Copies Furnished / with enclosure:

Mr. Mark Fisher  
401 Coordinator  
Standards and Assessment Section (MC-150)  
Texas Natural Resource Conservation Commission  
P.O. Box 13087  
Austin, Texas 78711-3087

Mr. Rollin MacRae  
Texas Parks and Wildlife Department  
4200 Smith School Road  
Austin, Texas 78744

Mr. Renne Lohofener  
Administrator  
Texas State Ecological Services  
U.S. Fish and Wildlife Service  
Hartland Bank Building  
10711 Burnet Road, Suite 200  
Austin, Texas 78758

Mr. Troy Hill, P.E.  
Chief, Marine and Wetlands Section (6WQ-EM)  
U.S. Environmental Protection Agency, Region 6  
1445 Ross Avenue  
Dallas, Texas 75202

DEPARTMENT OF THE ARMY PERMIT

Permittee Texas Turnpike Authority

Permit No. 199600228

Issuing Office Fort Worth District

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: To discharge approximately 78,000 cubic yards of dredged and fill material into 20.6 acres of waters of the United States associate with the construction of State Highway 130. The project will result in permanent adverse impacts to 20.6 acres of waters of the United States (2.64 acres of wetlands and 17.96 acres of other waters of the United States). To compensate for adverse impacts to the aquatic environment, the applicant has submitted a conceptual mitigation plan that would result in the enhancement and creation of approximately 63 acres of waters of the United States on approximately 175 acres of streamside/floodplain habitat. The entire 175 acres would be protected in perpetuity through management as mitigation areas and natural areas and deed restriction.

Project Location: The proposed SH 130 would be located within portions of Williamson, Travis, Caldwell, and Guadalupe counties. The northern terminus of SH 130 would be located in Georgetown, Texas, at the Interstate Highway 35 (IH 35) / SH 195 interchange. The project would cross SH 29 east of Georgetown, U.S. Highway 79 (US 79) east of Round Rock, US 90 and SH 71 east of Austin, and SH 142 west of Lockhart. The southern terminus would be an interchange with IH 10, approximately 1 mile east of Seguin, Guadalupe County, Texas. The project would cross the San Gabriel, Colorado, and San Marcos rivers, and would also be located within the watershed area of the Guadalupe River. The northern terminus is at approximate UTM coordinates of 628627.83 East and 3395886.62 North (Zone 14), and the southern terminus is at approximately 604476.61 East and 3274886.59 North (Zone 14). The project area is included on the Georgetown, Round Rock, Hutto, Pflugerville East, Manor, Webberville, Montopolis, Creedmoor, Lockhart North, Lockhart South, Martindale, Kingsbury, Geronimo, and Seguin, Texas 7.5-minute USGS quadrangle maps in the USGS Hydrologic Units 12070205, 12090205, 12090301, 12100203, and 12100202.

Permit Conditions: In accordance with attached Sheets 1-77 of 77 and Texas Natural Resource Conservation Commission Section 401 Water Quality Certification, Pages 1-3 of 3, dated July 16, 2002.

General Conditions:

1. The time limit for completing the work authorized ends on December 31, 2012. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archaeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions: SEE PAGE 4 (Special Conditions)

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:
  - ( ) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).
  - (x) Section 404 of the Clean Water Act of 1972 (33 U.S.C. 1344).
  - ( ) Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).
2. Limits of this authorization.
  - a. This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.
  - b. This permit does not grant any property rights or exclusive privileges.
  - c. This permit does not authorize any injury to the property or rights of others.
  - d. This permit does not authorize interference with any existing or proposed Federal project.
3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:
  - a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
  - b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
  - c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
  - d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

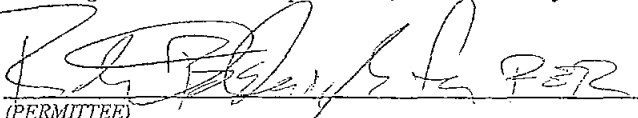
b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

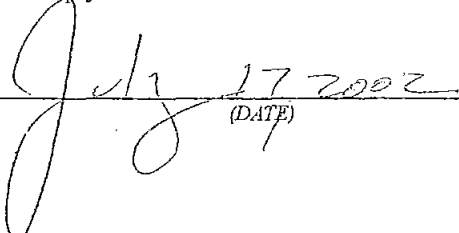
c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

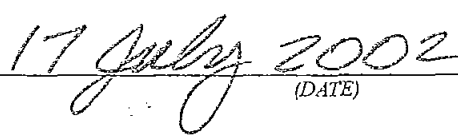
Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

  
\_\_\_\_\_  
(PERMITTEE)  
Phillip Russell, P.E.  
Texas Turnpike Authority

  
\_\_\_\_\_  
(DATE)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

(FOR THE)  
(DISTRICT ENGINEER)   
\_\_\_\_\_  
Gordon M. Wells  
Colonel, Corps of Engineers

  
\_\_\_\_\_  
(DATE)

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

\_\_\_\_\_  
(TRANSFEEE)

\_\_\_\_\_  
(DATE)

Special Conditions  
Permit Number 199600228

1. The permittee shall implement and abide by the conceptual mitigation plan titled "Conceptual Mitigation Plan, Proposed State Highway 130, Texas Turnpike Authority, USACE-Fort Worth District Project #1996-00228" by the Texas Turnpike Authority, dated March 2002 to compensate for unavoidable adverse impacts to waters of the United States. The permittee shall develop, implement, and abide by a more detailed mitigation plan (or plans, if more than one mitigation plan is necessary) consistent with the conceptual mitigation plan. The permittee shall provide the detailed mitigation plan, or the first of multiple detailed mitigation plans, to the U. S. Army Corps of Engineers (USACE) and the Texas Natural Resource Conservation Commission (TNRCC) for review by January 1, 2004, and receive USACE and TNRCC approval prior to commencing any ground disturbing activities within the mitigation area(s). If more than one mitigation area is necessary, the applicant shall submit a detailed mitigation plan or plans for the remaining mitigation areas by January 1, 2005, to the USACE and TNRCC for review and approval. Any detailed mitigation plans shall include a determination of waters of the United States and a functional assessment of existing waters of the United States on the mitigation site, as well as a functional assessment for the waters of the United States expected after the detailed mitigation plan is applied. The permittee shall implement the mitigation plan(s) approved by the USACE and TNRCC concurrently with construction of the project and complete the initial construction and plantings associated with the mitigation work by March 15, 2007. Completion of all elements of the final mitigation plan(s) is a requirement of this permit.

2. The permittee shall avoid and minimize adverse impacts to waters of the United States, in order to ensure that the final project design represents the least environmentally damaging practicable alternative as defined by the Section 401(b)(1) guidelines (40 CFR Part 230). The permittee shall design all crossings of waters of the United States in such a manner as to maintain stream dynamics, including appropriate grade, planform, cross-section geometry, and channel resistance to the maximum extent practicable. The permittee shall present reports to the USACE on how this is being accomplished for each crossing of waters of the United States and receive approval from the USACE prior to construction within the permit area for those crossings. The USACE will respond as promptly as practicable to the reports.

3. The permittee shall submit to the USACE and TNRCC any design changes that result in an increase to impacts to an individual jurisdictional water of the United States of more than 50 linear feet or 1/10 acre or those that include a change in water type (i.e., change in stream type, or change from wetland to stream impact or vice versa) from those depicted in the table entitled "Impacts to Jurisdictional Waters of the U.S." and included in the public notice, dated May 7, 2002. The permittee shall submit those design changes prior to construction of those crossings and receive approval from the USACE and the TNRCC before proceeding.

4. The permittee shall establish and implement a self-monitoring program that includes the following actions:

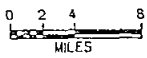
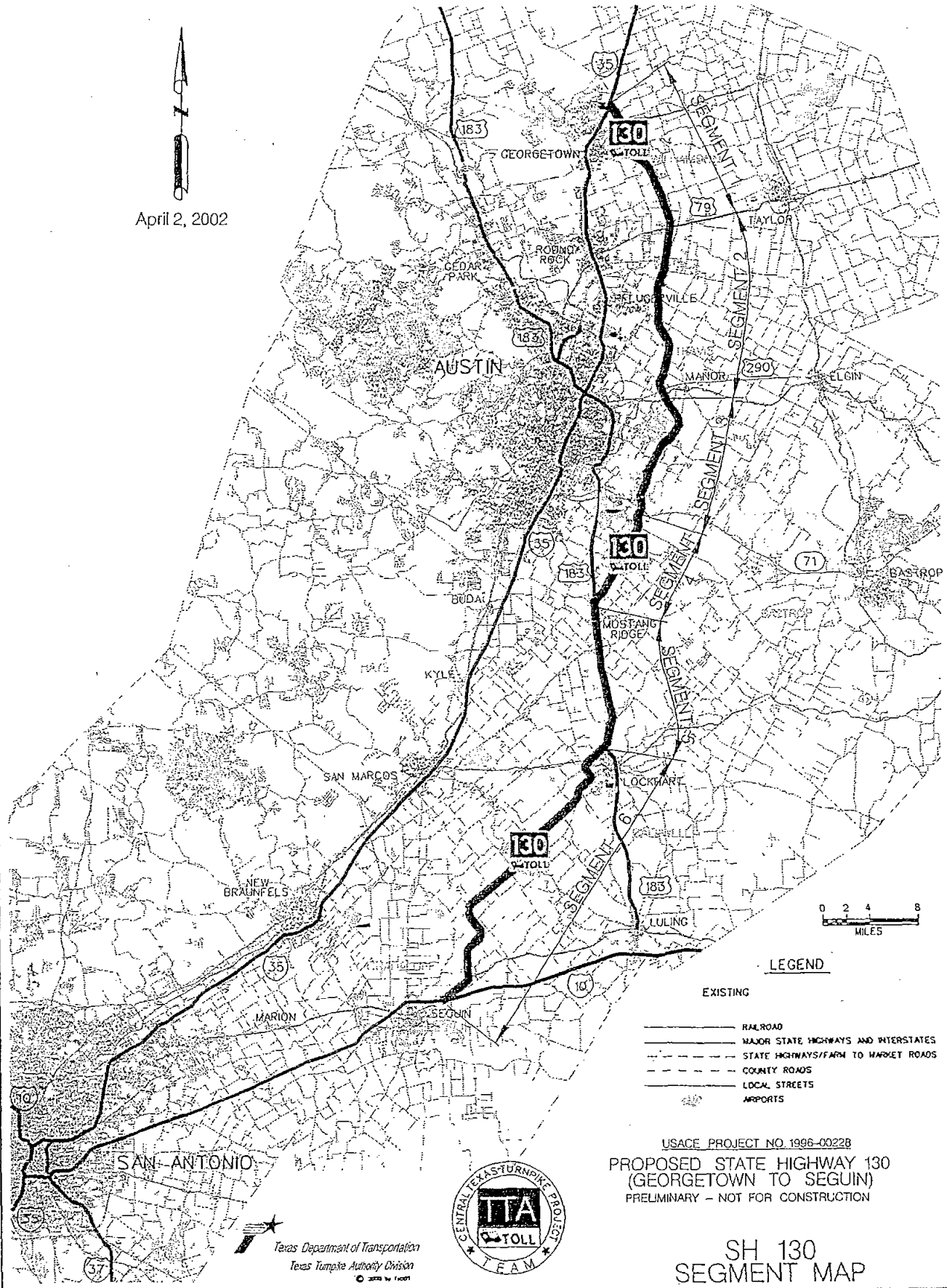
a. designation, in writing, of a responsible party to coordinate with the USACE concerning on-site inspections and compliance with permit conditions;

c. implementation of a reporting program that shall include annual written compliance reports to the USACE, due October 1 each year, beginning in October 2002. The permittee shall document the status of the project final design in each report and include any schedule changes and a summary of all activities that occurred during the reporting period, including demonstration of the permittee's compliance with the permit conditions, and documentation of the progress and/or completion of all authorized work, including mitigation activities. Each report shall address whether disturbed areas, such as borrow ditches,

road embankments, stream banks, road crossings, and temporary impact areas are revegetating adequately and not suffering erosion damage. The permittee shall detail in the first report the pre-construction conditions of the project area. The permittee shall include in each report photographs, maps, and a description of the impacts to waters of the United States. Compliance reports are required even if no work is conducted during the reporting period. The permittee shall submit compliance reports until the USACE verifies that the permittee has successfully completed all compensatory mitigation plan requirements, and all authorized construction activities have been either completed or deleted from the project.



April 2, 2002



**LEGEND**

EXISTING

- RAILROAD
- MAJOR STATE HIGHWAYS AND INTERSTATES
- STATE HIGHWAYS/FARM TO MARKET ROADS
- COUNTY ROADS
- LOCAL STREETS
- AIRPORTS

USACE PROJECT NO. 1996-00228

PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)

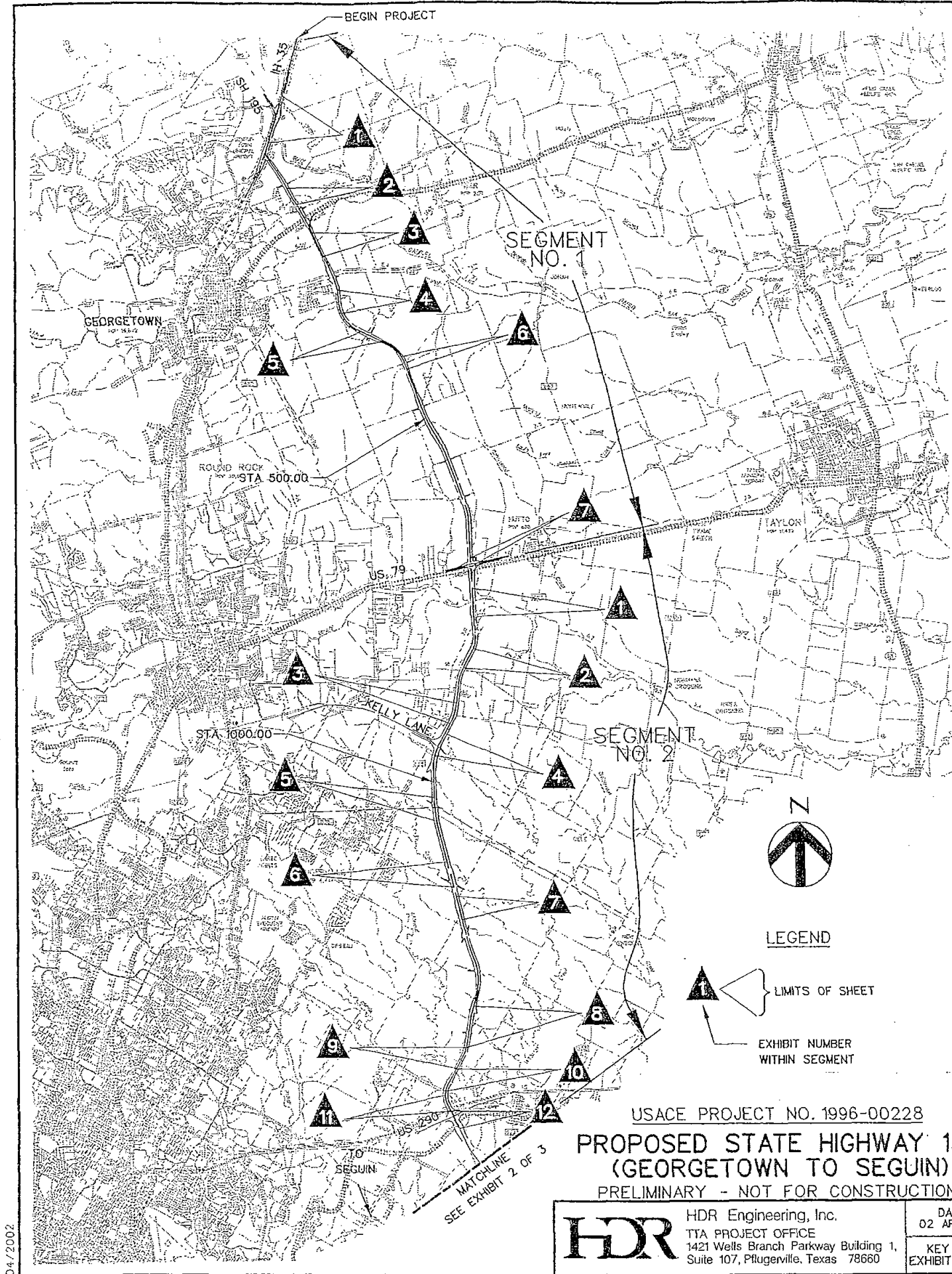
PRELIMINARY - NOT FOR CONSTRUCTION



Texas Department of Transportation  
Texas Turnpike Authority Division  
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**SH 130  
SEGMENT MAP**







DATE: 04/04/2002

# SEGMENT KEY MAP

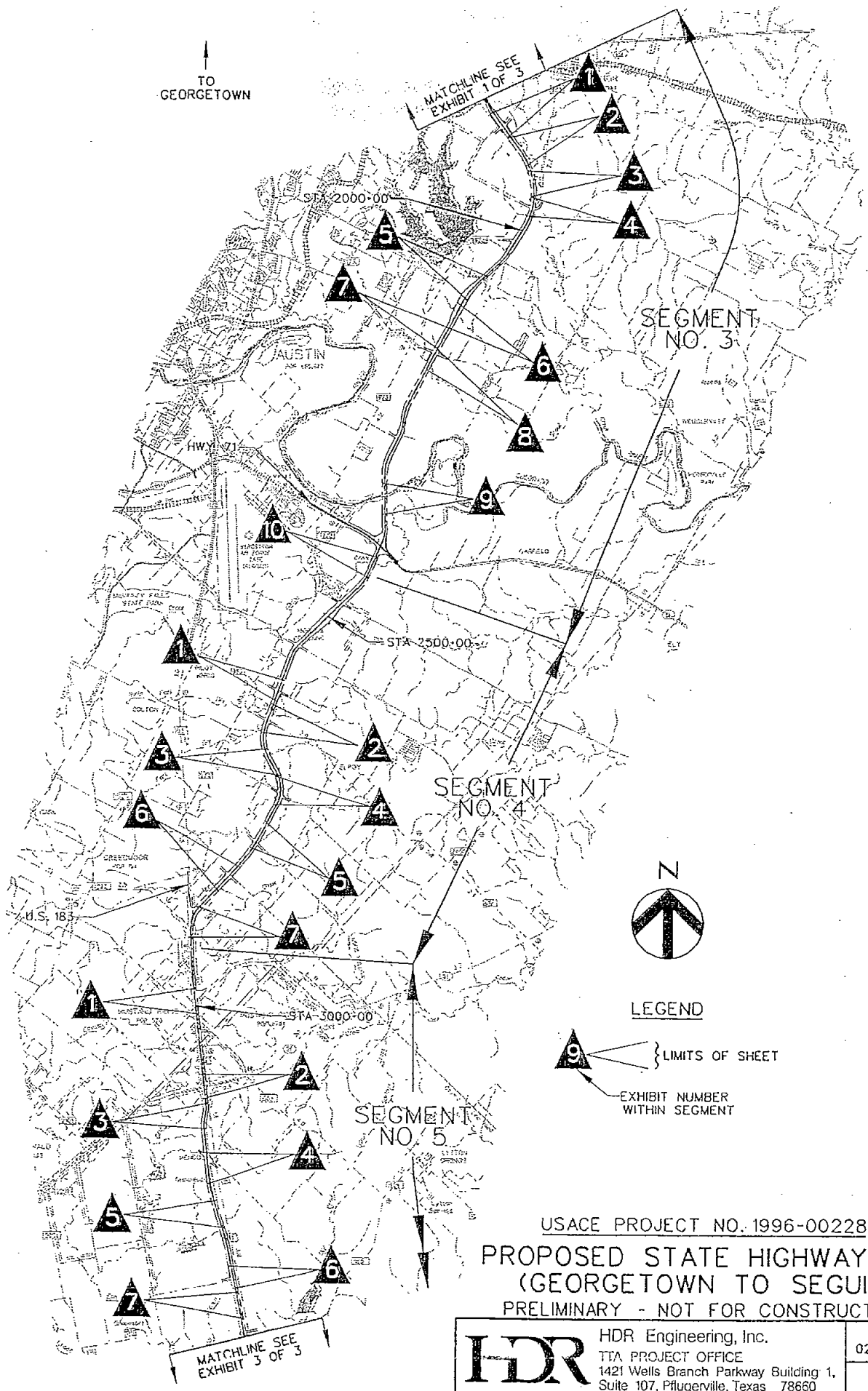
USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
**(GEORGETOWN TO SEGUIN)**  
 PRELIMINARY - NOT FOR CONSTRUCTION

	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DA1 02 APR 02
	KEY MAP EXHIBIT 1 OF 3	




 © 2001 Texas Department of Transportation  
 Texas Turnpike Authority Division

↑  
TO  
GEORGETOWN

MATCHLINE SEE  
EXHIBIT 1 OF 3



LEGEND

 } LIMITS OF SHEET  
 EXHIBIT NUMBER WITHIN SEGMENT

↓  
TO  
SEGUIN

MATCHLINE SEE  
EXHIBIT 3 OF 3

USACE PROJECT NO. 1996-00228


PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)  
PRELIMINARY - NOT FOR CONSTRUCTION



HDR Engineering, Inc.  
TTA PROJECT OFFICE  
1421 Wells Branch Parkway Building 1,  
Suite 107, Pflugerville, Texas 78660

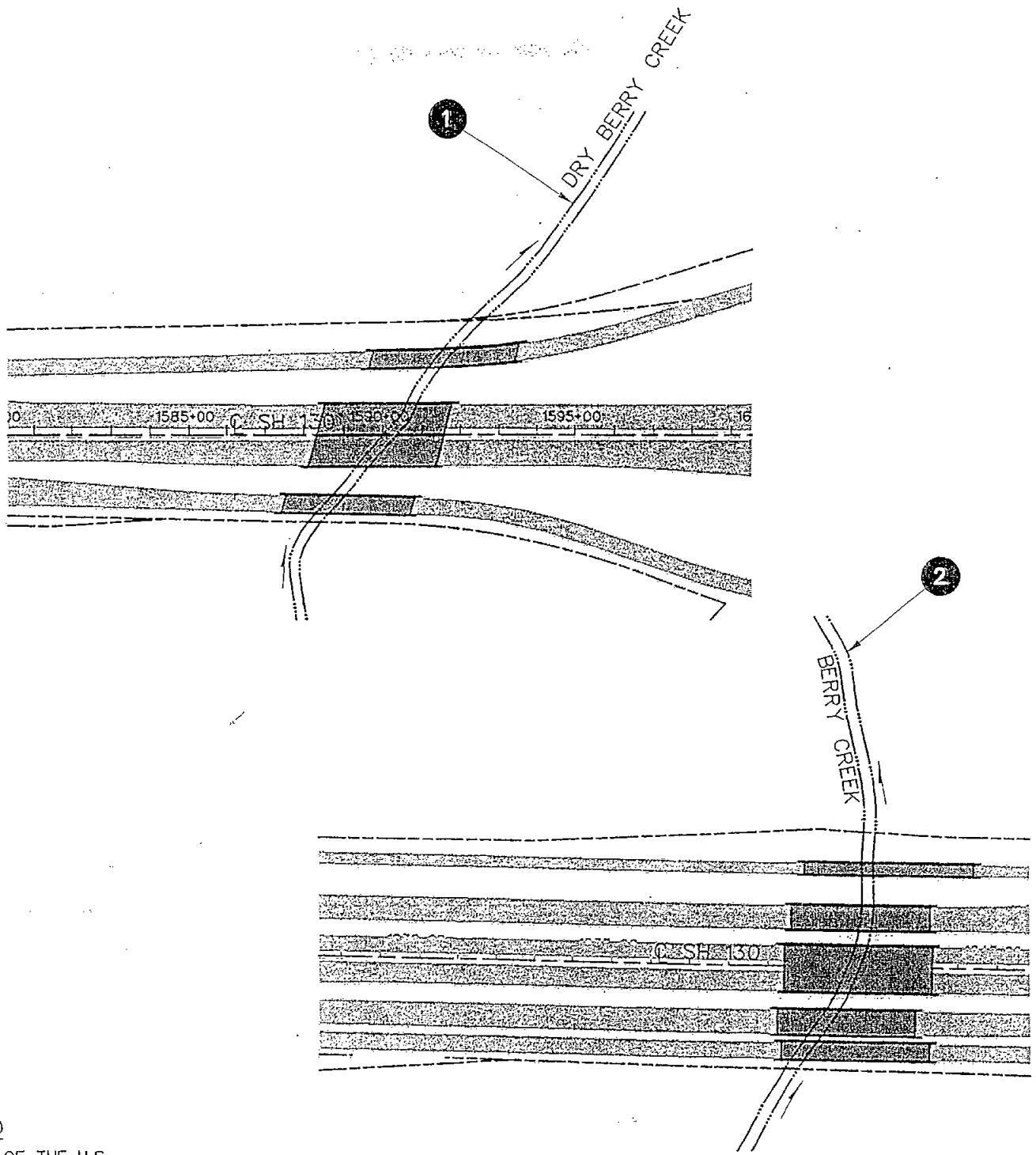
DATE  
02 APR 02  
KEY MAP  
EXHIBIT  
2 OF 3

# SEGMENT KEY MAP

 © 2001 Texas Department of Transportation  
Texas Turnpike Authority Division

DATE: 04/02/2001





**LEGEND**

**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS

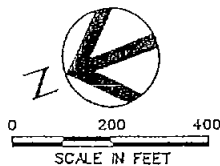
WATERS OF THE U.S. (NON-WETLAND)  
(ON CHANNEL PONDS, RIVERS)

WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE

NON-JURISDICTIONAL WATER FEATURES  
(UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**

PRELIMINARY - NOT FOR CONSTRUCTION



HDR Engineering, Inc.  
TTA PROJECT OFFICE  
1421 Wells Branch Parkway Building 1,  
Suite 107, Pflugerville, Texas 78660

DATE  
25 APR 02

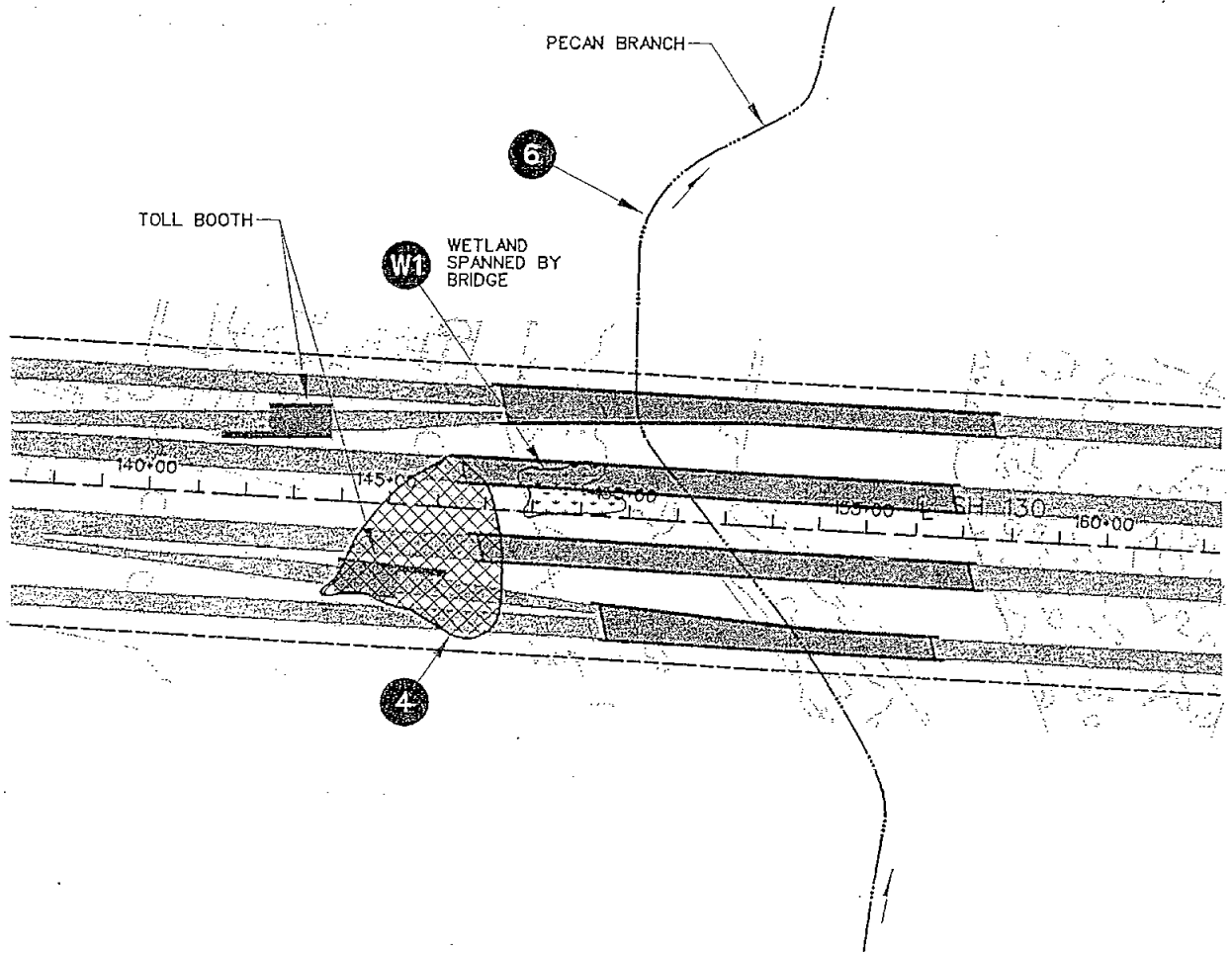
SEGMENT \*1  
EXHIBIT  
1 OF 7

**JURISDICTIONAL DETERMINATION**



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Texas Turnpike Authority Division

DATE: 04/24/02



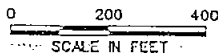
**LEGEND**

**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
- WETLANDS

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- PROPOSED CHANNEL REALIGNMENT
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- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**

PRELIMINARY - NOT FOR CONSTRUCTION



HDR Engineering, Inc.  
TTA PROJECT OFFICE  
1421 Wells Branch Parkway Building 1,  
Suite 107, Pflugerville, Texas 78660

DA1  
25 APR 02

SEGMENT #1  
EXHIBIT  
2 OF 7

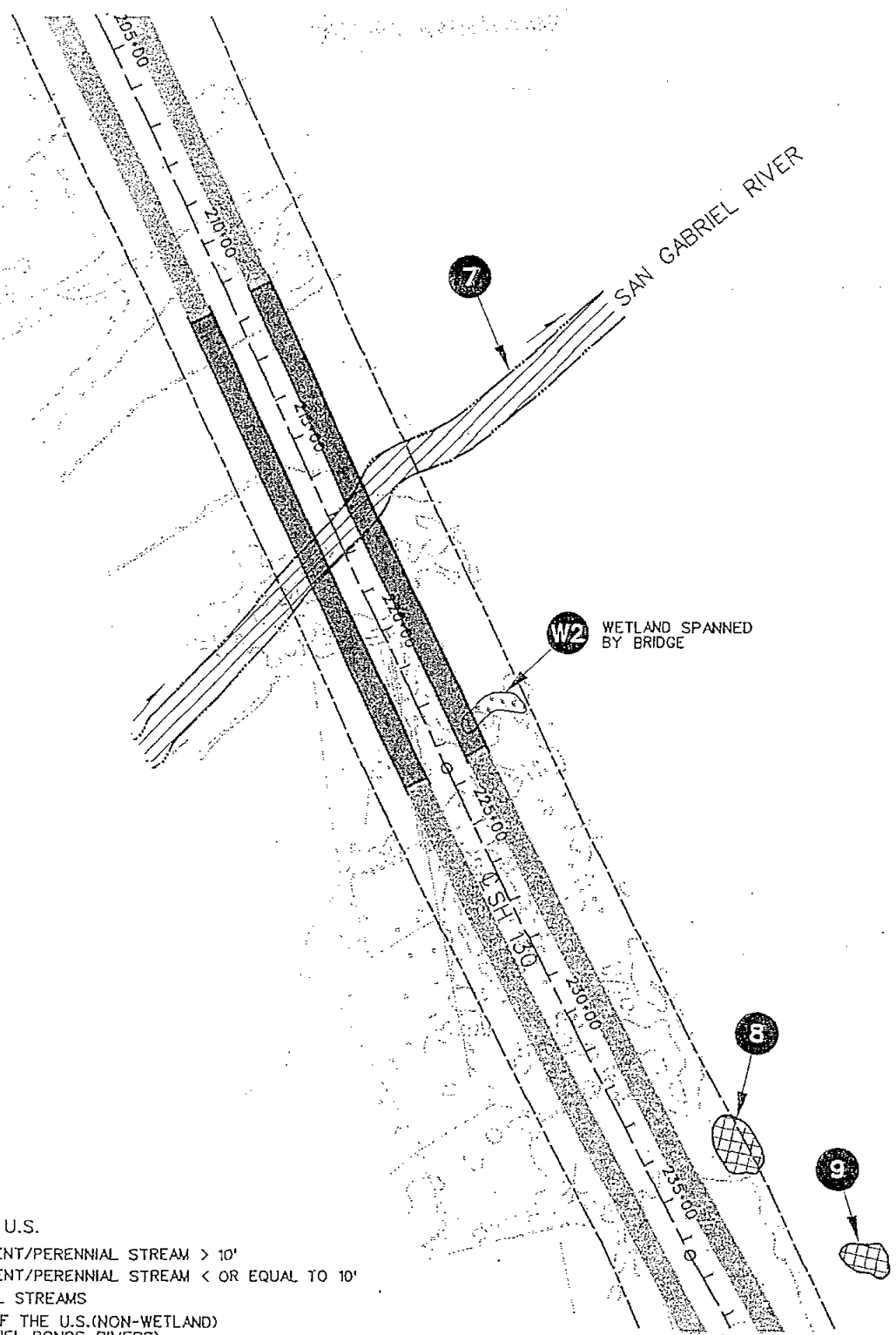
**JURISDICTIONAL DETERMINATION**



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Texas Department of Transportation  
Texas Turnpike Authority Division

DATE: 04/24/2002



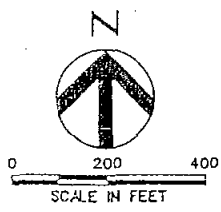
**LEGEND**

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- INTERMITTENT/PERENNIAL STREAM > 10'
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**NON-JURISDICTIONAL FEATURES**

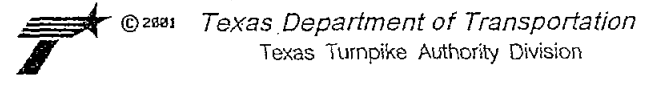
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USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
**(GEORGETOWN TO SEGUIN)**  
 PRELIMINARY - NOT FOR CONSTRUCTION

	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DATE 25 APR 02
		SEGMENT #1 EXHIBIT 3 OF 7

**JURISDICTIONAL DETERMINATION**



DATE: 04/24/02

TRIBUTARY TO MANKINS BRANCH

PROPOSED STRUCTURE NO. 2  
2-10' x 8' MULTI-BOX  
CULVERT ON 15° SKEW  
SH 130 @ STA 289+50.00






PROPOSED STRUCTURE NO. 3  
4-10' x 10' MULTI-BOX  
CULVERT ON 45° SKEW  
SH 130 @ STA 303+99.58

PROPOSED CHANNEL REALIGNMENT








WETLAND TO BE FILLED

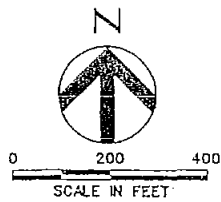
**LEGEND**

**WATERS OF THE U.S.**


-  INTERMITTENT/PERENNIAL STREAM > 10'
-  INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
-  EPHEMERAL STREAMS
-  WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
-  WETLANDS

**NON-JURISDICTIONAL FEATURES**


-  PROPOSED ROW
-  PROPOSED CHANNEL REALIGNMENT
-  DIRECTIONAL FLOW ARROW
-  PROPOSED BOX CULVERT
-  PROPOSED PIPE CULVERT
-  PROPOSED BRIDGE
-  NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



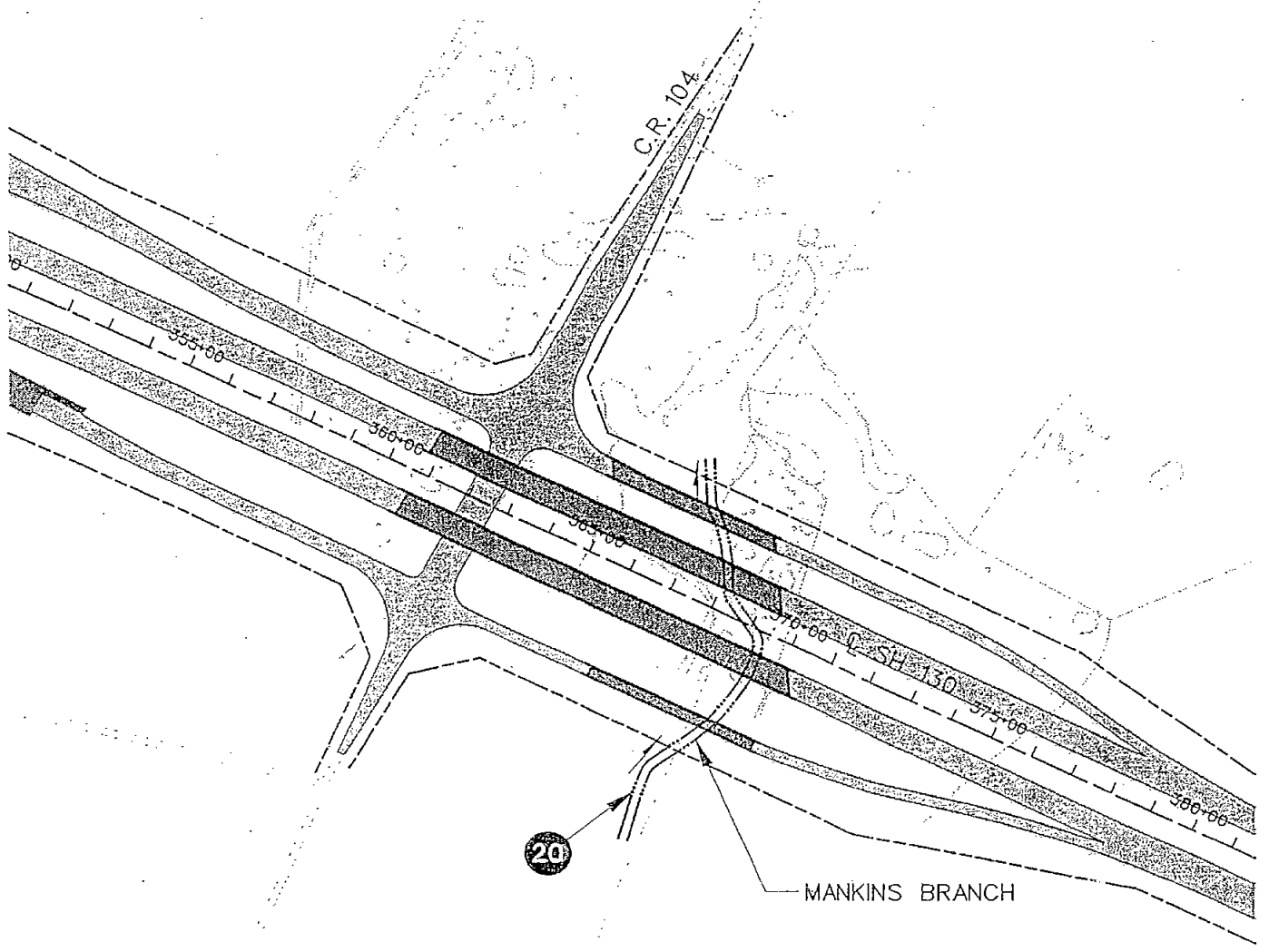
USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130  
 (GEORGETOWN TO SEGUIN)**  
 PRELIMINARY - NOT FOR CONSTRUCTION

	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DA 25 APR 02
		SEGMENT #1 EXHIBIT 4 OF 7

**JURISDICTIONAL DETERMINATION**

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Texas Turnpike Authority Division

DATE: 04/24/2002



**LEGEND**

**WATERS OF THE U.S.**

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0 200 400  
SCALE IN FEET

USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**

PRELIMINARY - NOT FOR CONSTRUCTION



HDR Engineering, Inc.  
TTA PROJECT OFFICE  
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DATE  
25 APR 02  
SEGMENT \*1  
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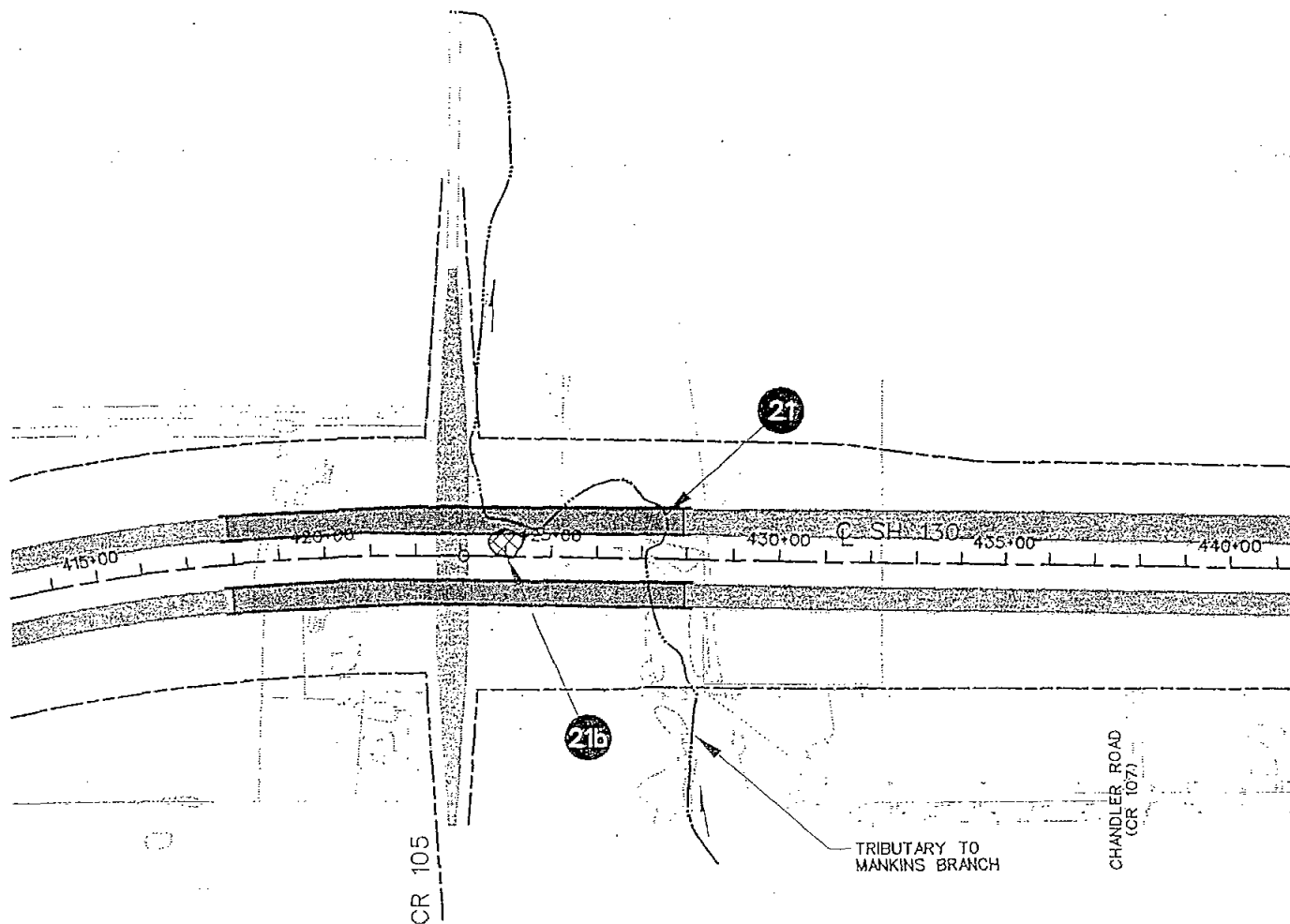
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**LEGEND**

**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



0 200 400  
SCALE IN FEET

USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
**(GEORGETOWN TO SEGUIN)**  
PRELIMINARY - NOT FOR CONSTRUCTION



HDR Engineering, Inc.  
TTA PROJECT OFFICE  
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Suite 107, Pflugerville, Texas 78660

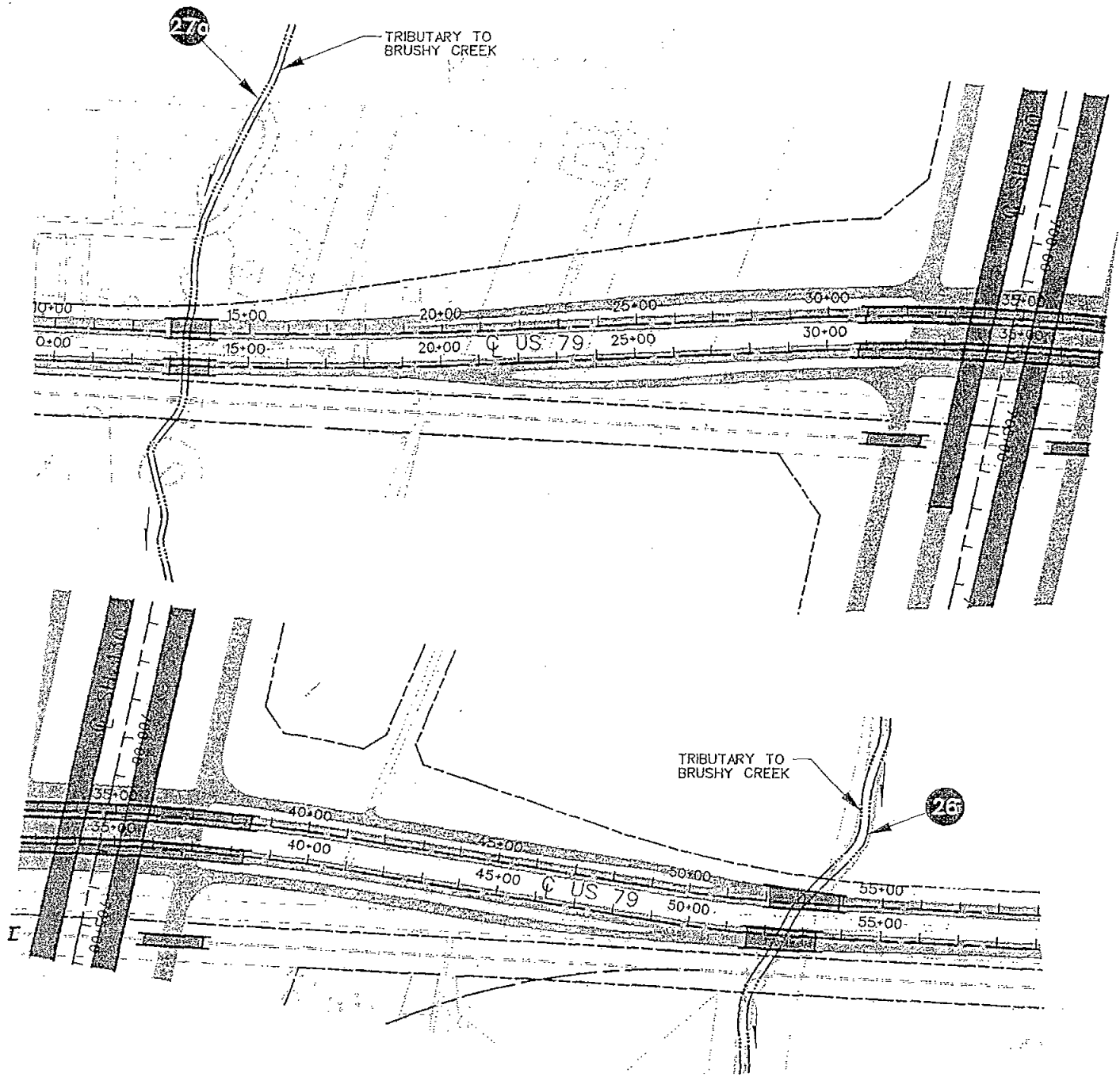
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WETLANDS

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NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



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SCALE IN FEET

USACE PROJECT NO. 1996-00228

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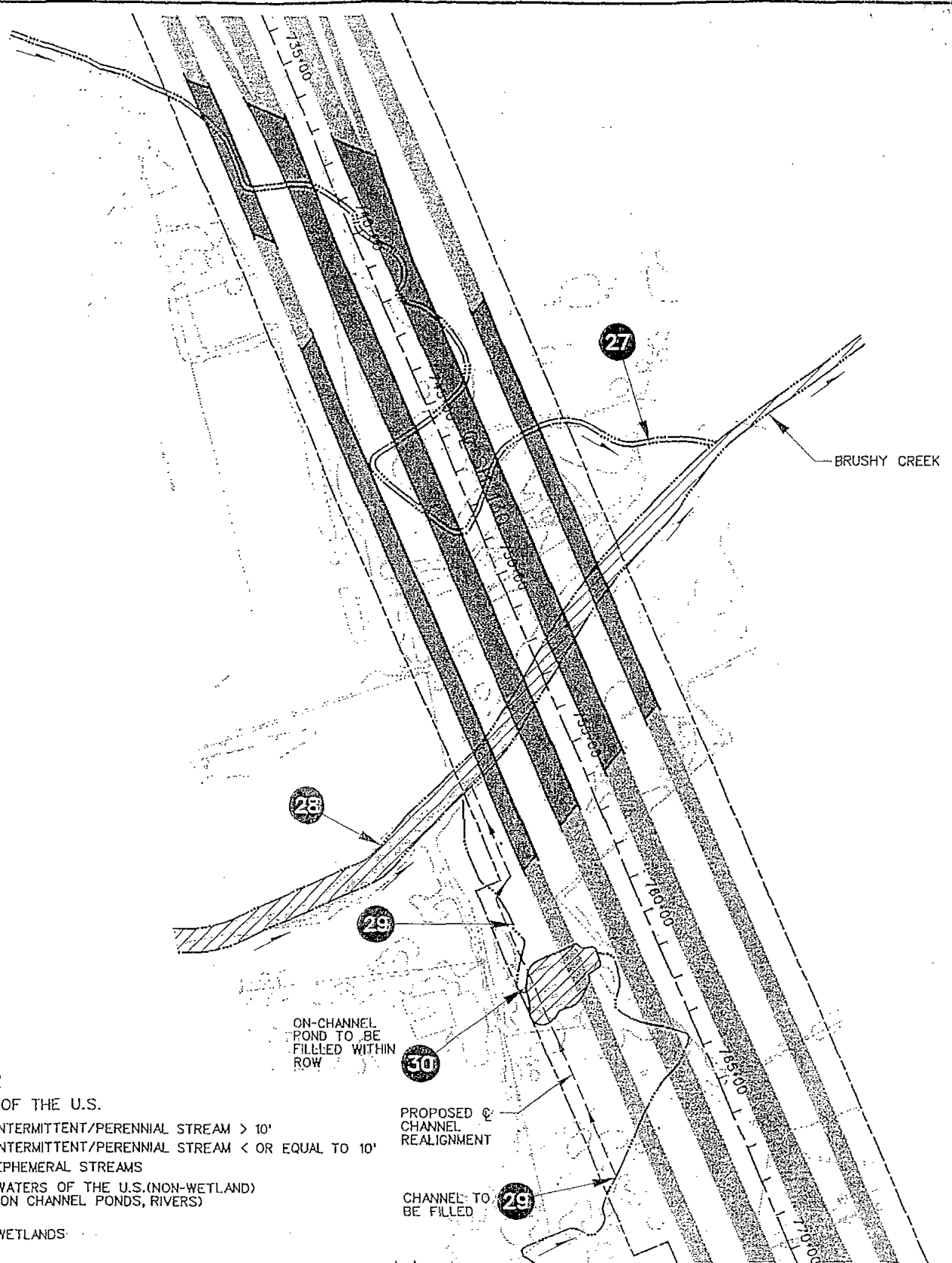
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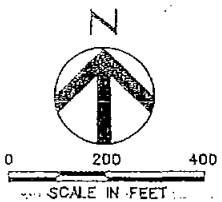
**NON-JURISDICTIONAL FEATURES**

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ON-CHANNEL POND TO BE FILLED WITHIN ROW

PROPOSED CHANNEL REALIGNMENT

CHANNEL TO BE FILLED



USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130 (GEORGETOWN TO SEGUIN)**

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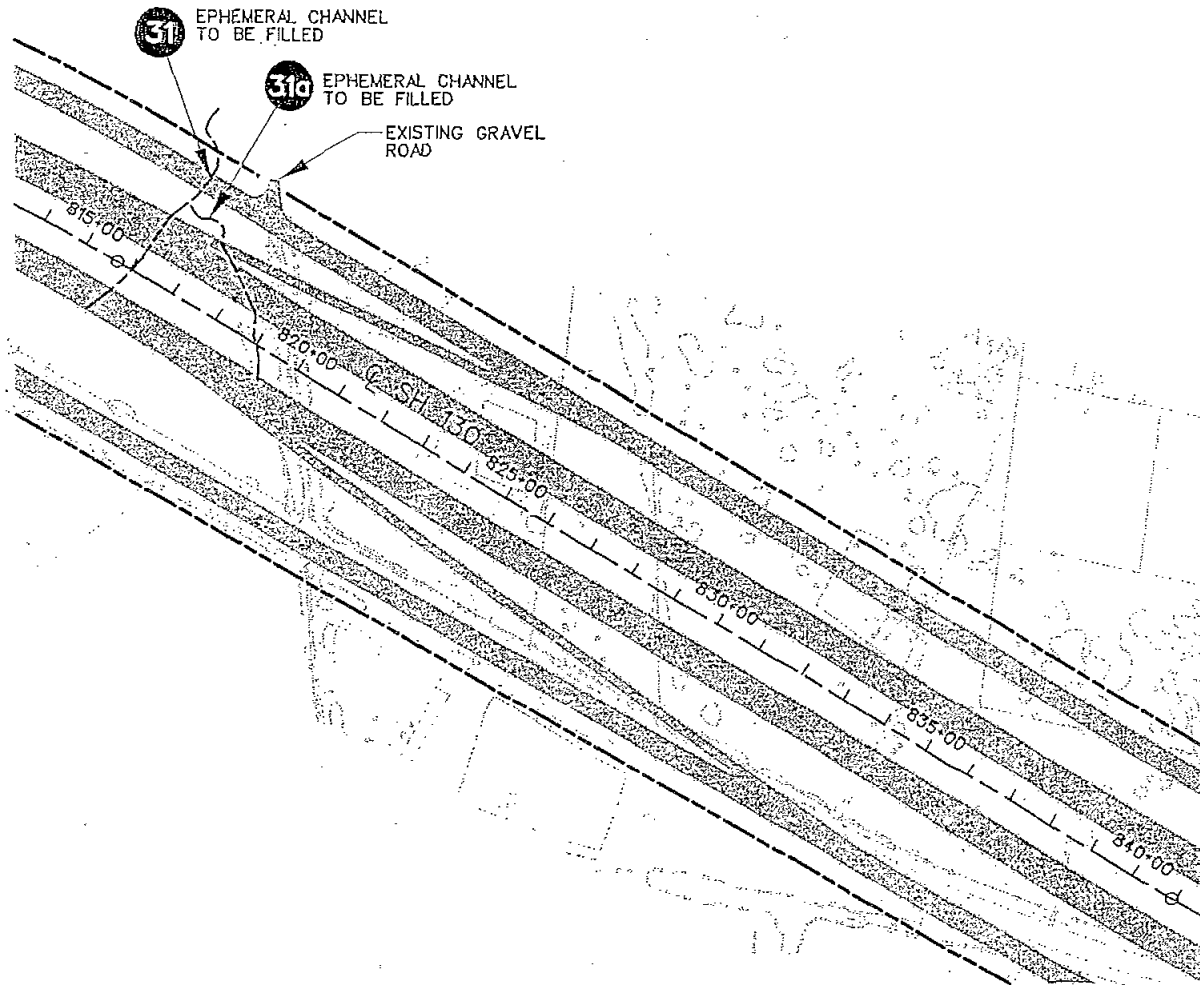
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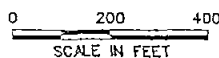
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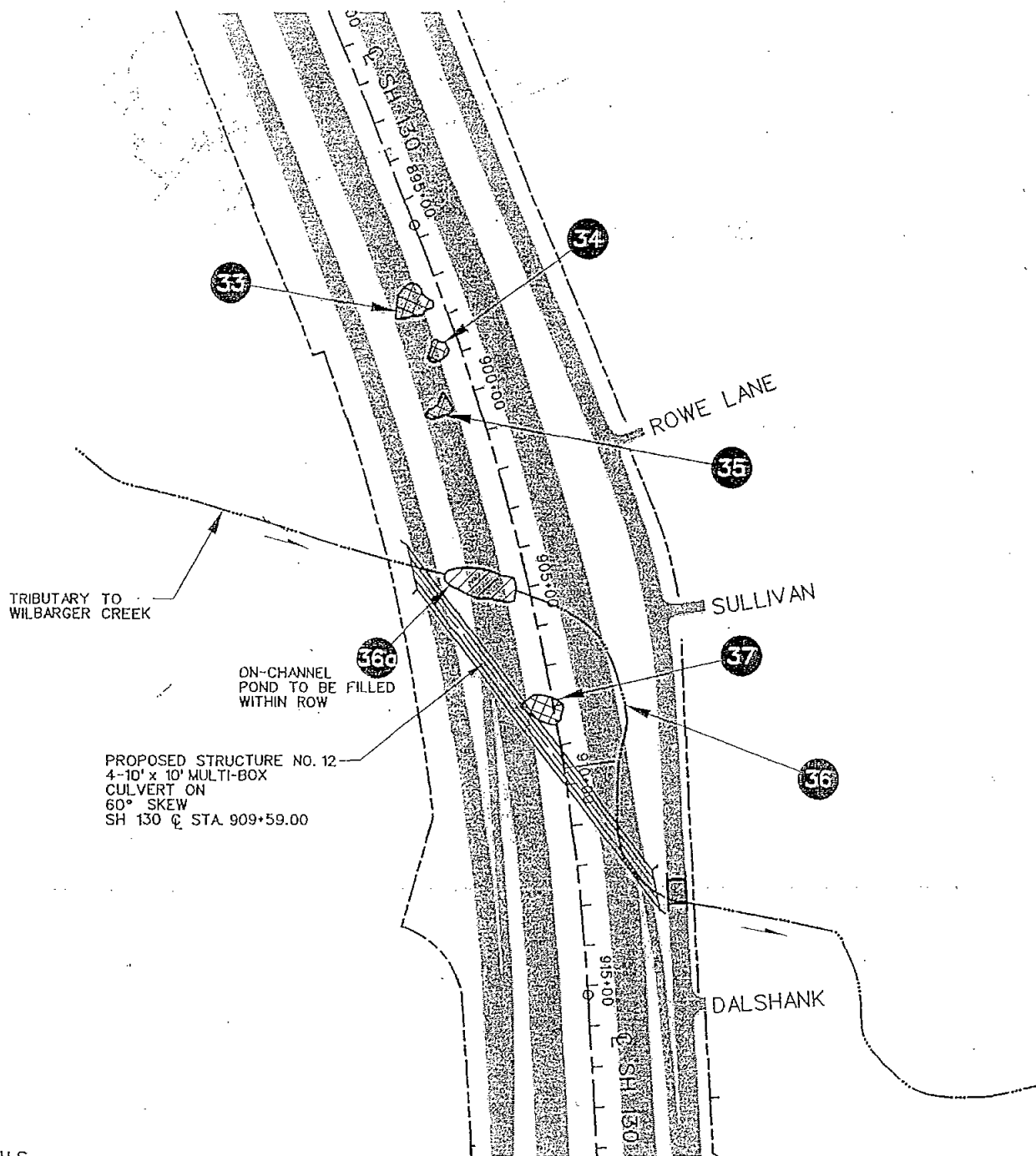
<b>HDR</b>	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DATE 25 APR 02
		SEGMENT *2 EXHIBIT 2 OF 12

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TRIBUTARY TO WILBARGER CREEK

ON-CHANNEL POND TO BE FILLED WITHIN ROW

PROPOSED STRUCTURE NO. 12  
 4-10' x 10' MULTI-BOX  
 CULVERT ON  
 60° SKEW  
 SH 130 @ STA. 909+59.00

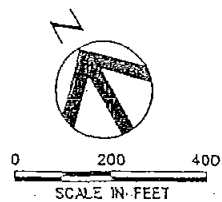
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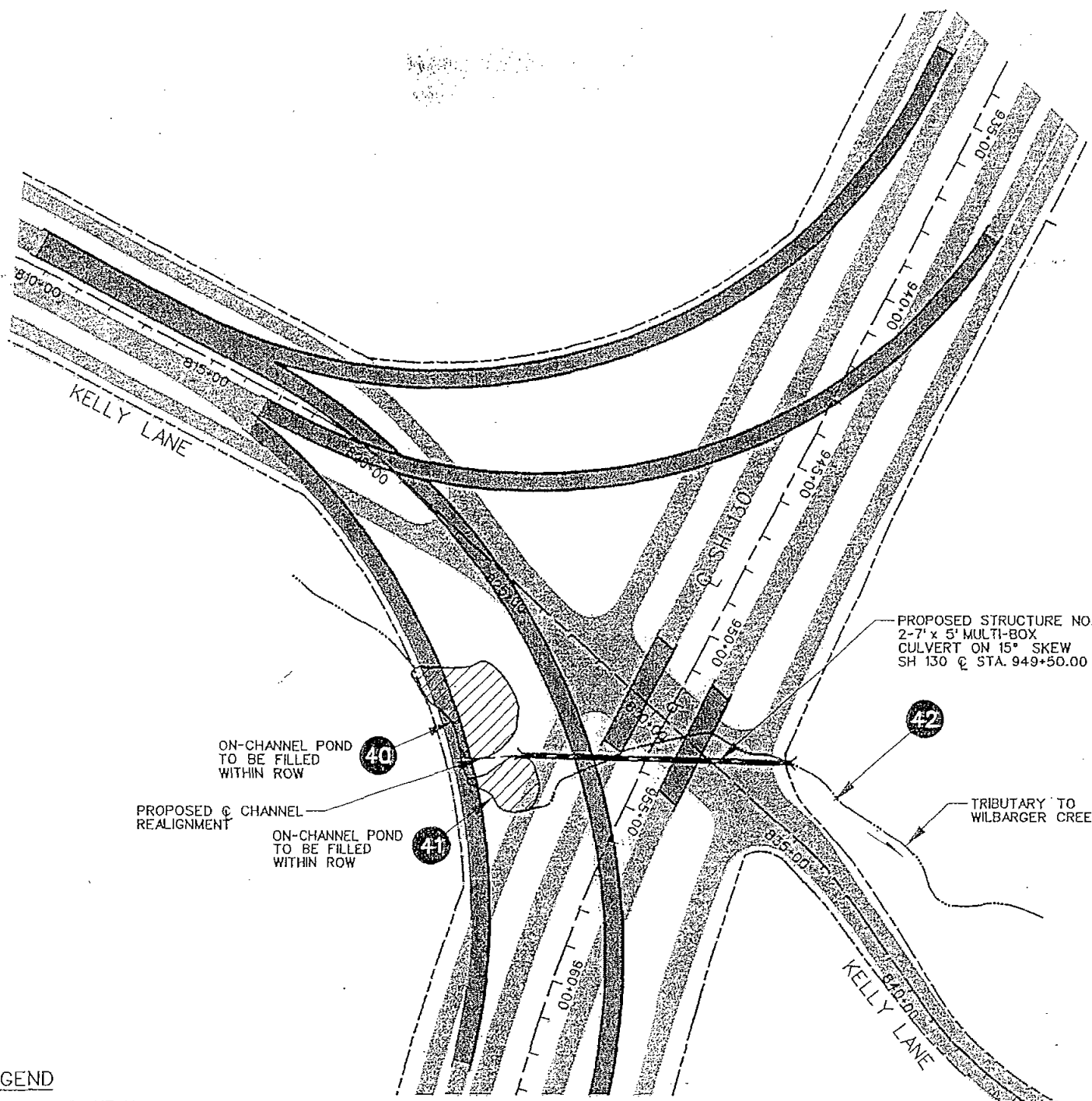


USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
**(GEORGETOWN TO SEGUIN)**  
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**JURISDICTIONAL DETERMINATION**

DATE: 04/24/2002



PROPOSED STRUCTURE NO. 13  
 2-7' x 5' MULTI-BOX  
 CULVERT ON 15° SKEW  
 SH 130 @ STA. 949+50.00

ON-CHANNEL POND  
 TO BE FILLED  
 WITHIN ROW

PROPOSED CHANNEL  
 REALIGNMENT

ON-CHANNEL POND  
 TO BE FILLED  
 WITHIN ROW

TRIBUTARY TO  
 WILBARGER CREEK

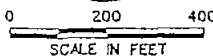
**LEGEND**

**WATERS OF THE U.S.**

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DATE  
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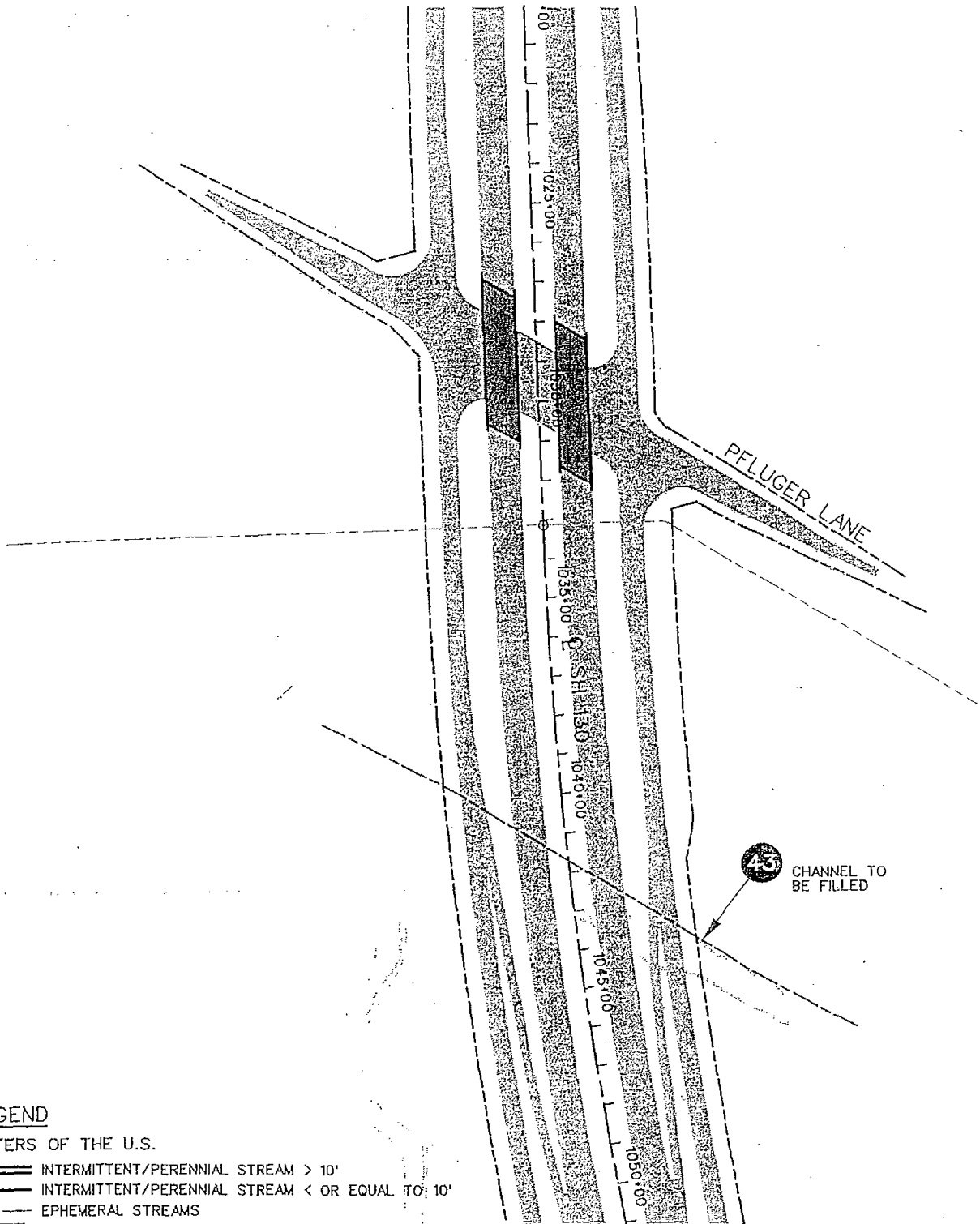
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**LEGEND**

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- INTERMITTENT/PERENNIAL STREAM > 10'
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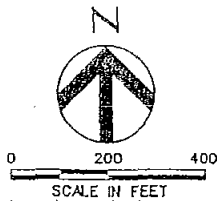
WATERS OF THE U.S. (NON-WETLAND)  
(ON CHANNEL PONDS, RIVERS)

WETLANDS

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NON-JURISDICTIONAL WATER FEATURES  
(UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)  
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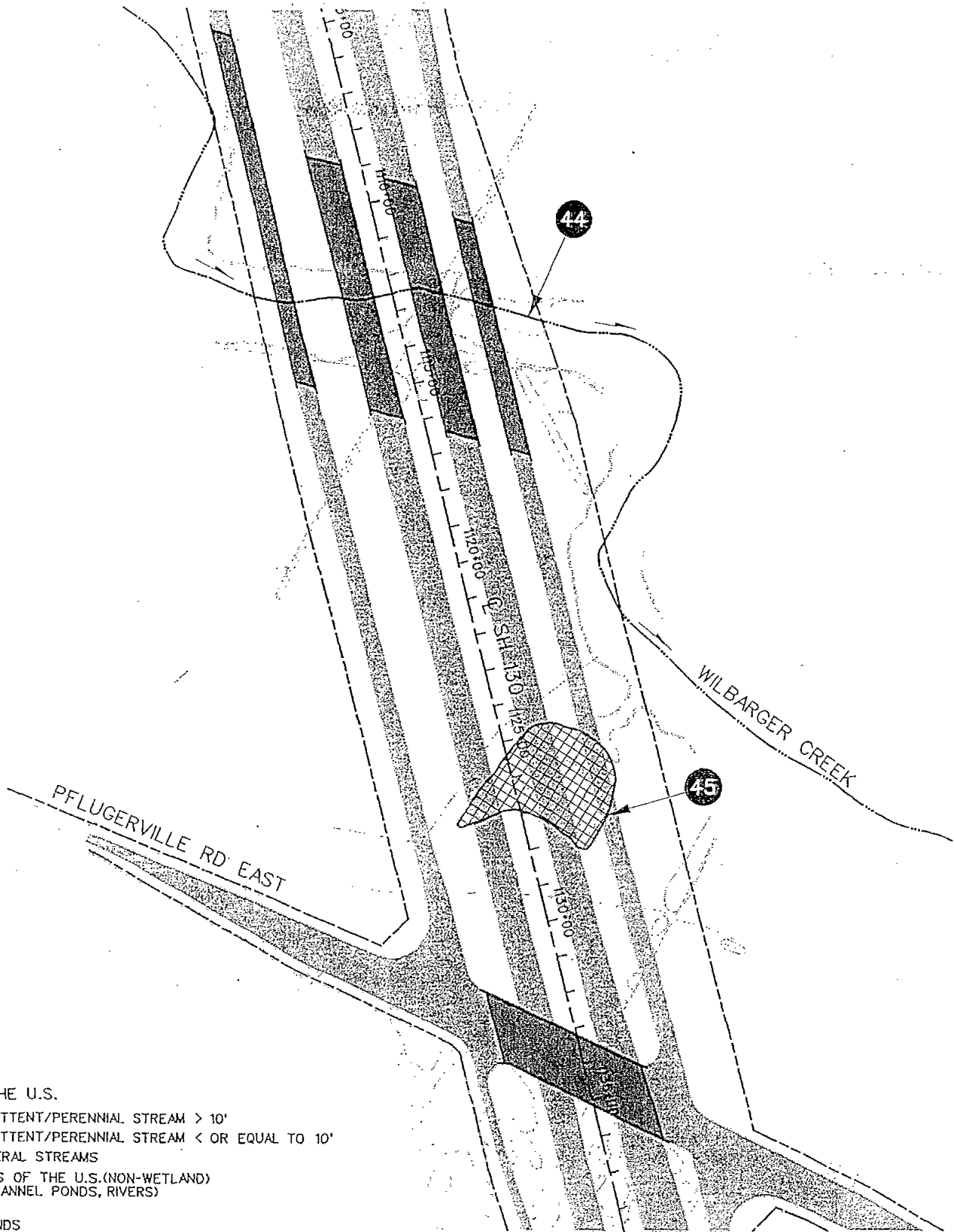
**HDR** HDR Engineering, Inc.  
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25 APR 02  
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45

**LEGEND**

**WATERS OF THE U.S.**

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0 200 400  
SCALE IN FEET

USACE PROJECT NO. 1996-00228

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**JURISDICTIONAL DETERMINATION**



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CHECK DAM (TYP)

PROPOSED STRUCTURE NO.14  
3-10'x6' MULTIBOX CULVERT ON  
45° SKEW  
@ STA. 1156+68.34

46

WETLAND TO BE FILLED W4

PROPOSED C CHANNEL  
REALIGNMENT

W6 WETLAND TO BE FILLED

WETLAND TO BE FILLED W5




47 ON-CHANNEL  
POND TO BE FILLED  
WITHIN ROW


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3-10'x8' MULTIBOX CULVERT ON  
30° SKEW  
@ STA. 1179+46.91


48

**LEGEND**







**WATERS OF THE U.S.**


-  INTERMITTENT/PERENNIAL STREAM > 10'
-  INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
-  EPHEMERAL STREAMS

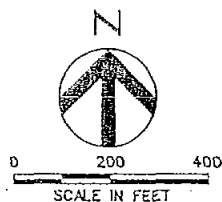
 WATERS OF THE U.S. (NON-WETLAND)  
(ON CHANNEL PONDS, RIVERS)

 WETLANDS

**NON-JURISDICTIONAL FEATURES**

-  PROPOSED ROW
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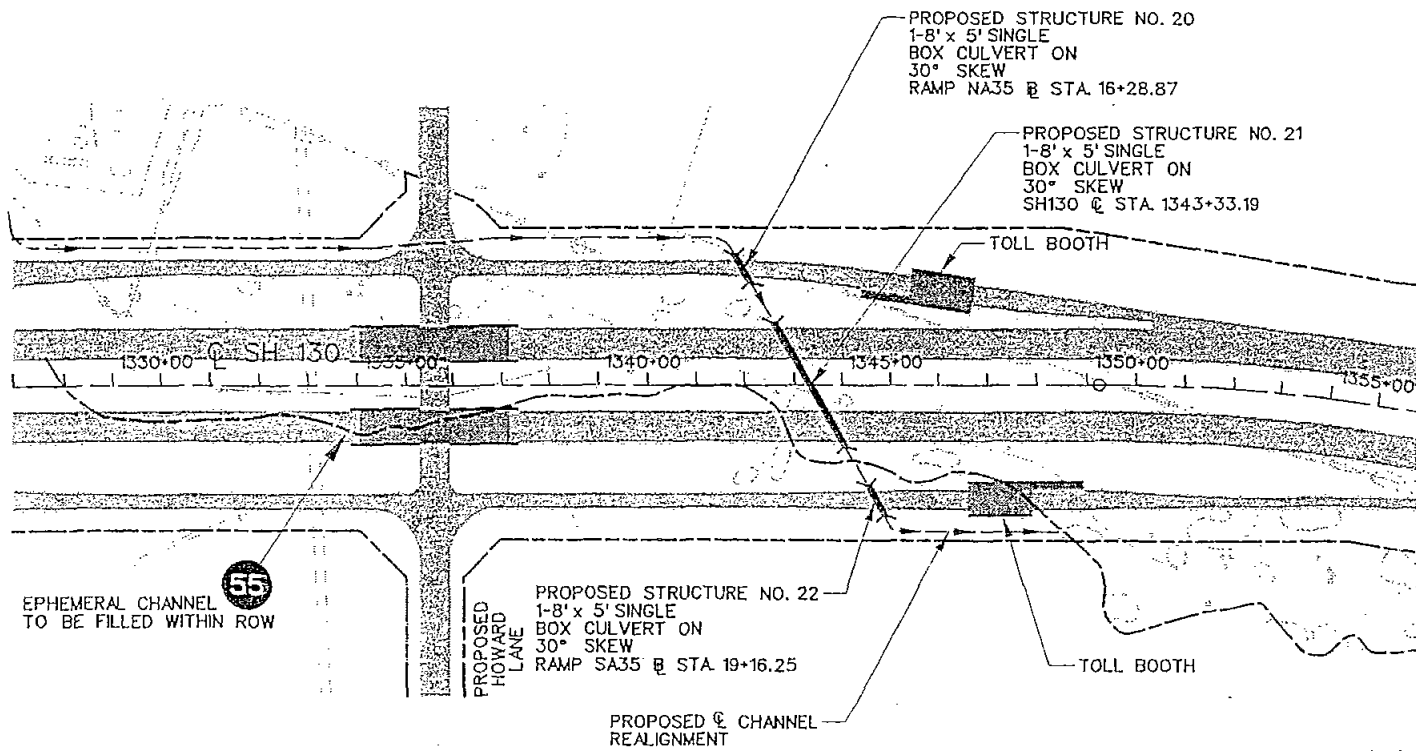
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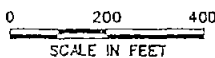
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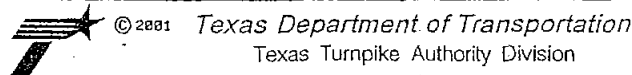
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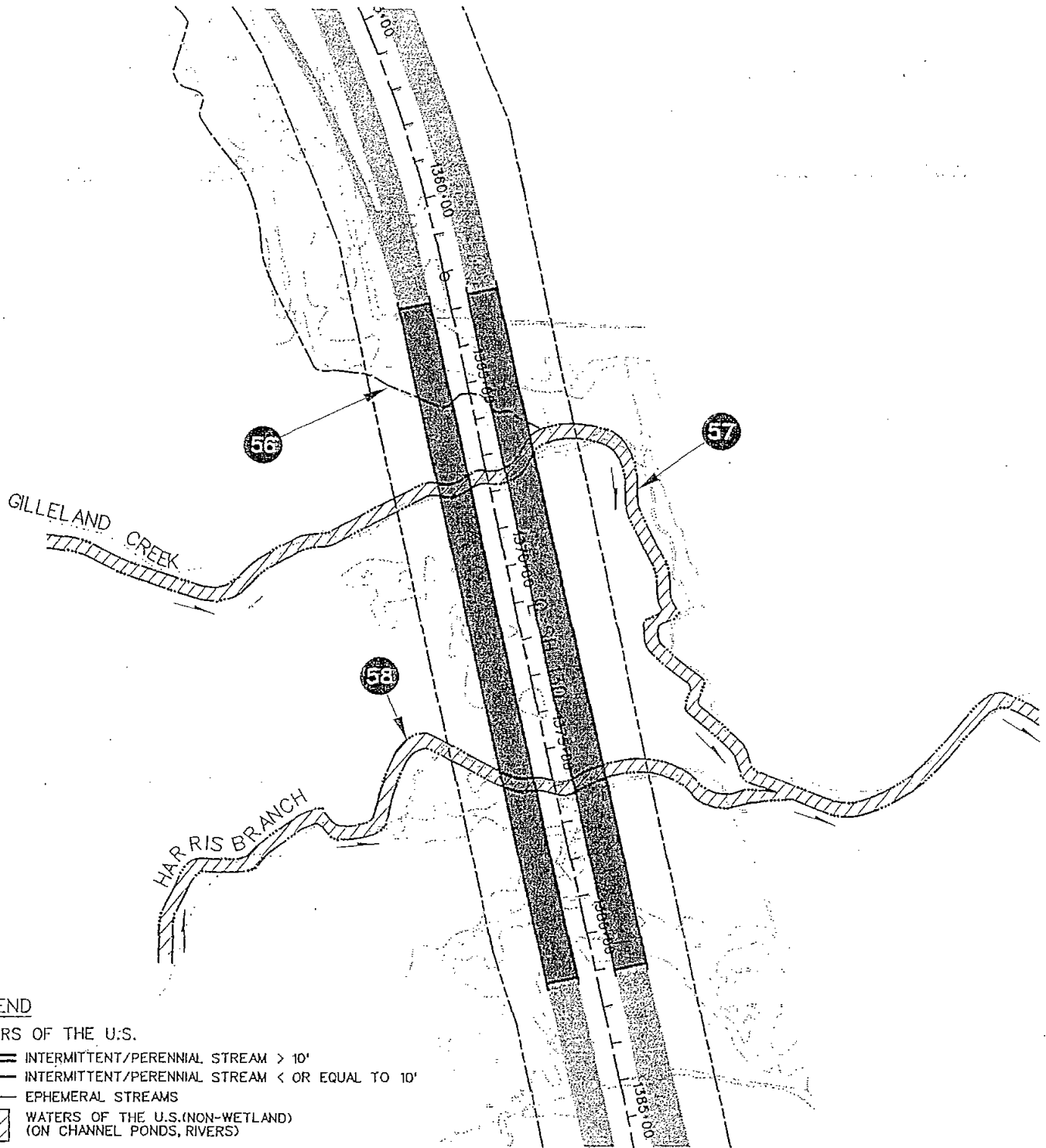
USACE PROJECT NO. 1996-00228  
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<b>HDR</b>	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DATE 25 APR 02
		SEGMENT *2 SHEET 8 OF 12

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DATE: 04/24/02



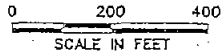
**LEGEND**

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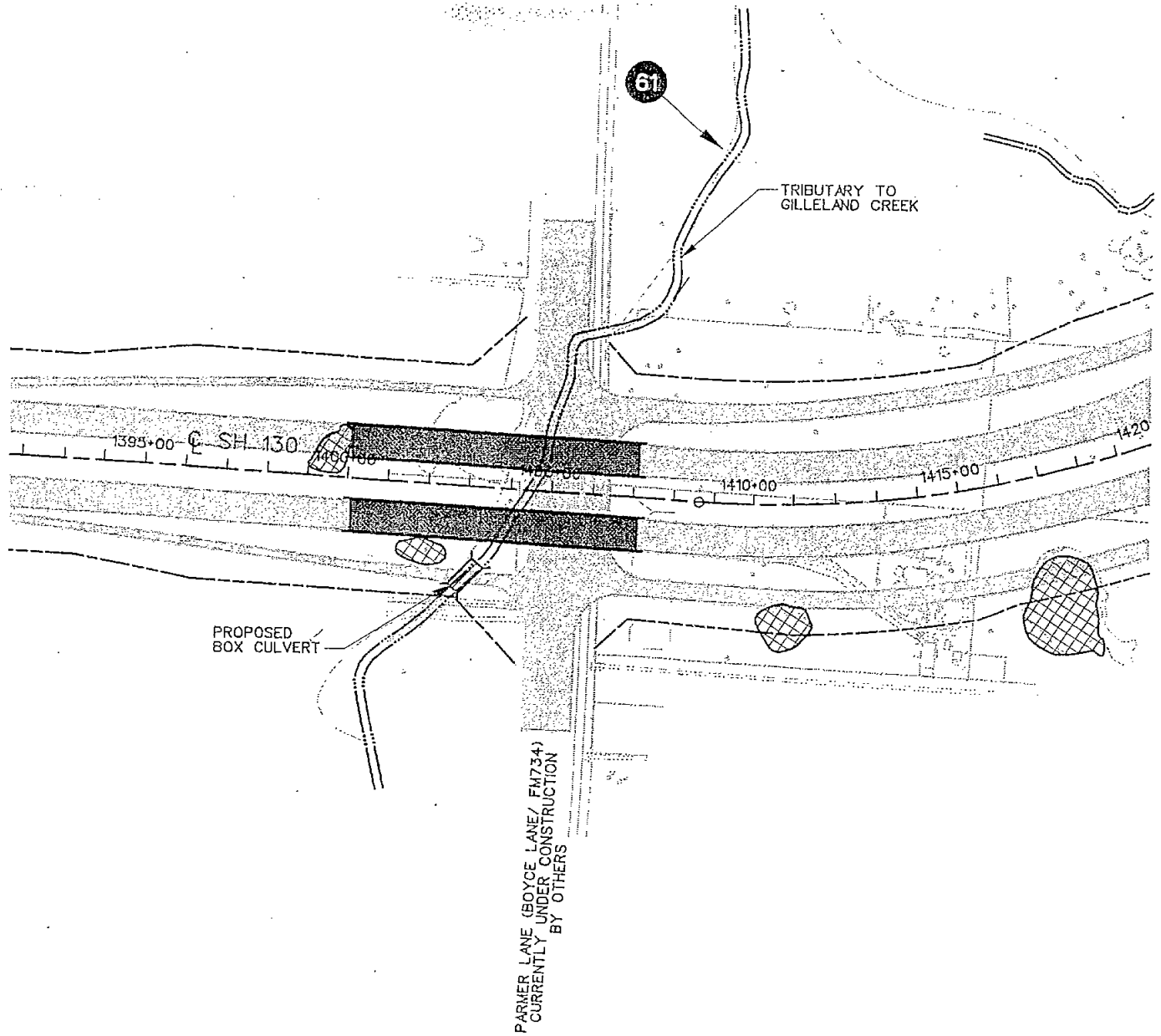


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		SEGMENT #2 EXHIBIT 9 OF 12

**JURISDICTIONAL DETERMINATION**

DATE: 04/24/2002



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0 200 400  
SCALE IN FEET

USACE PROJECT NO. 1996-00228

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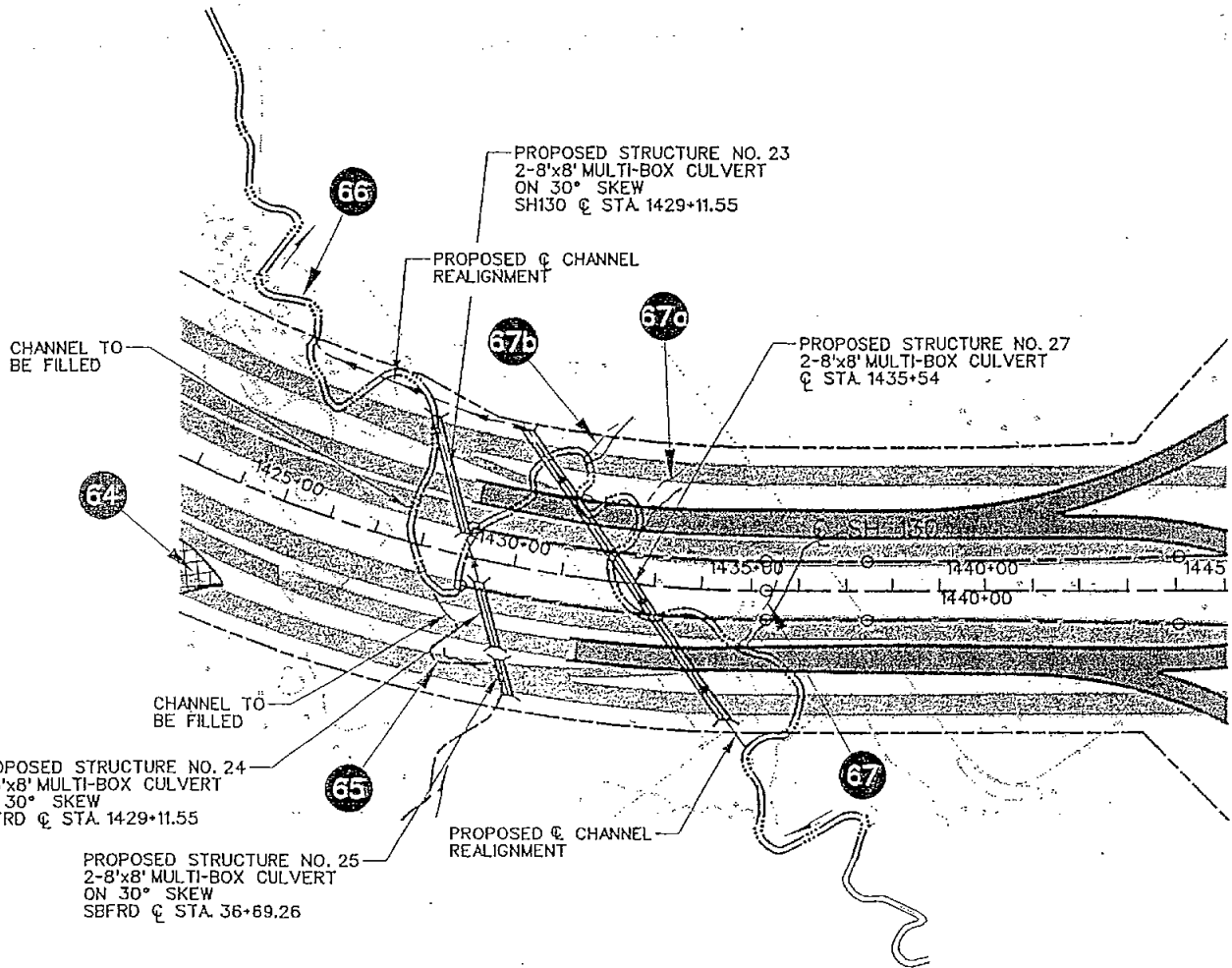
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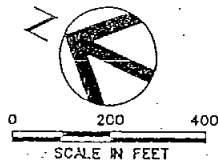
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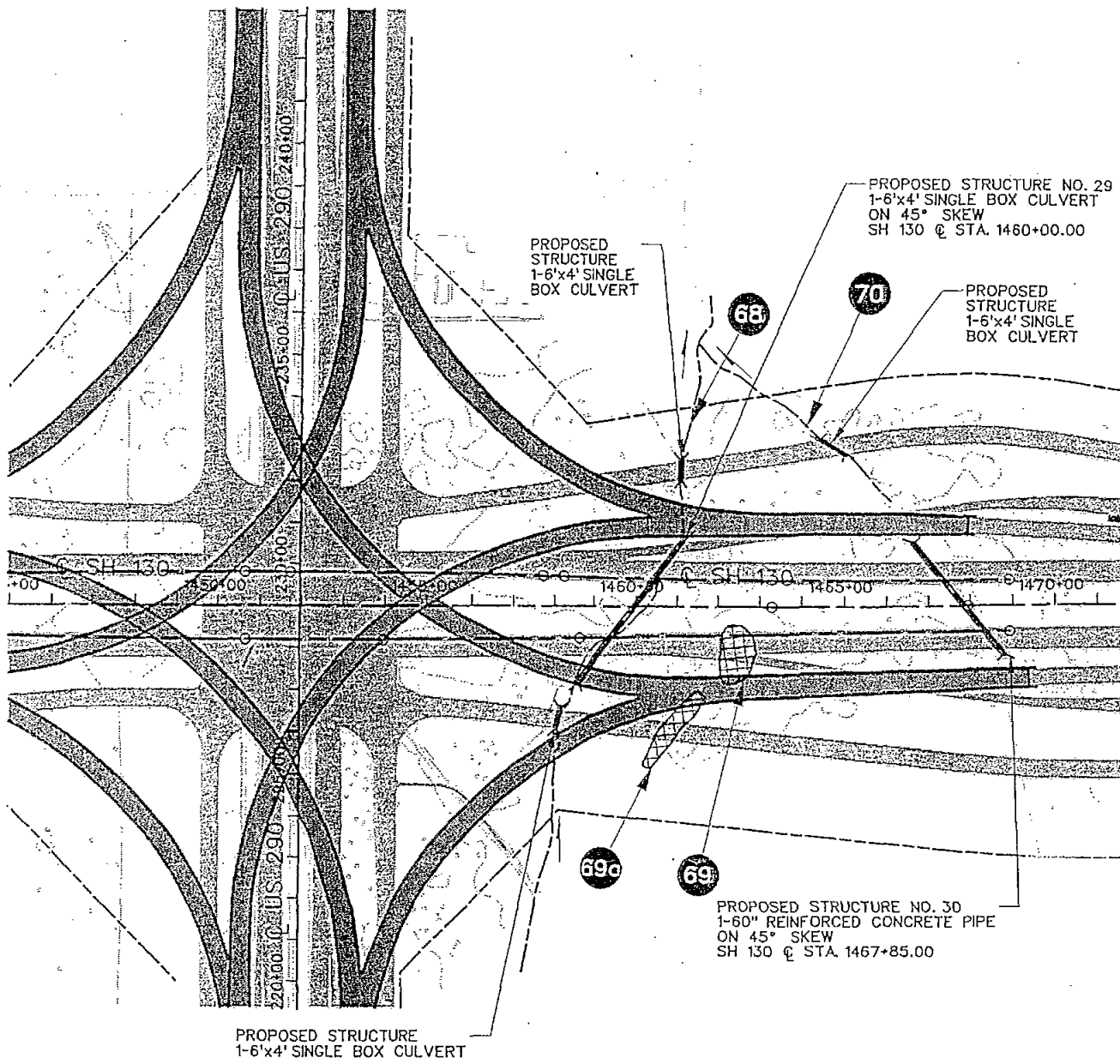
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25 APR  
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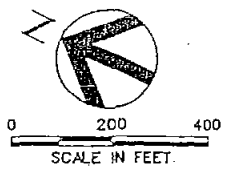
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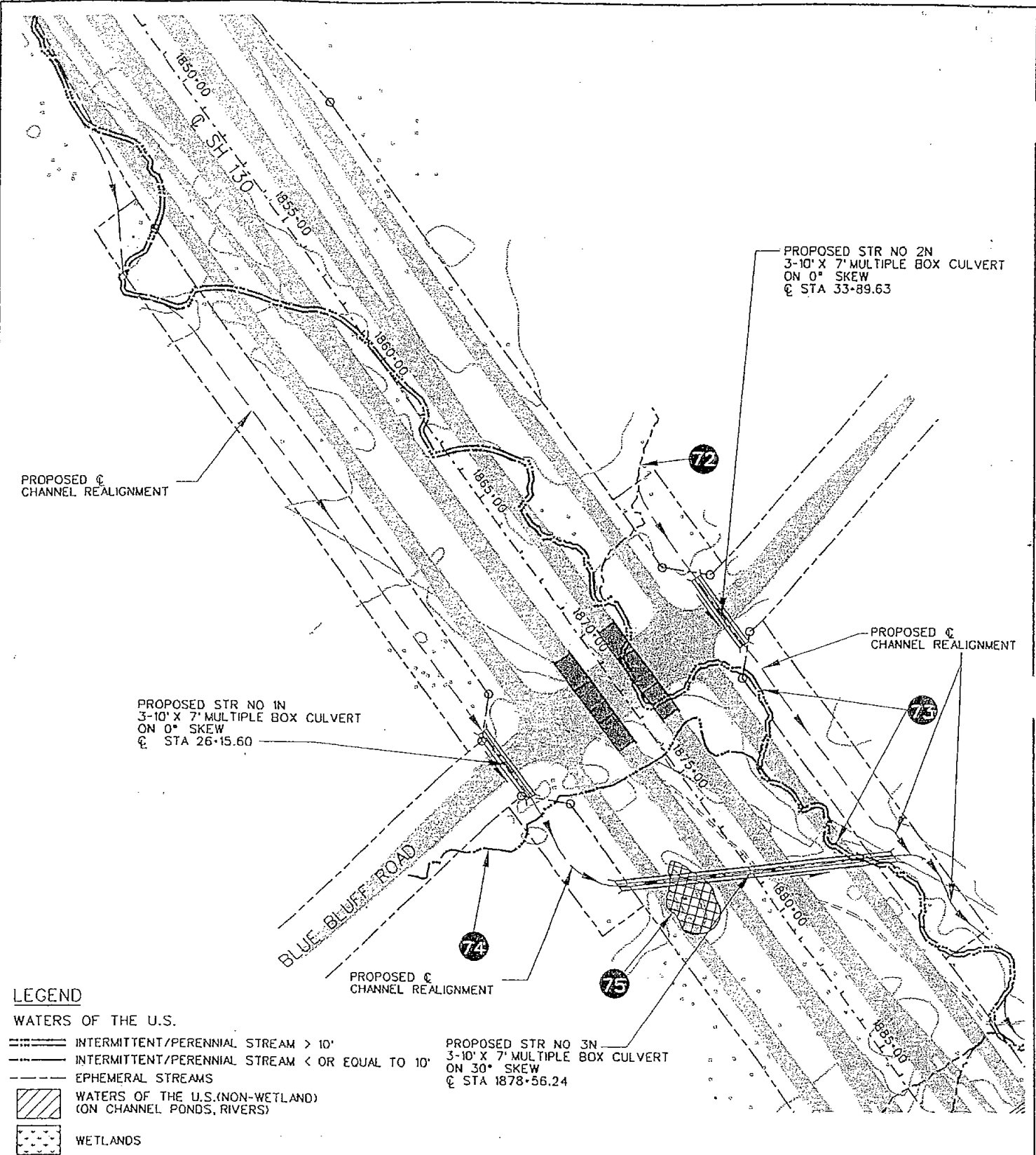
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DATE: 04/24/02



PROPOSED STR NO 2N  
 3-10' X 7' MULTIPLE BOX CULVERT  
 ON 0° SKEW  
 @ STA 33+89.63

PROPOSED @  
 CHANNEL REALIGNMENT

PROPOSED STR NO 1N  
 3-10' X 7' MULTIPLE BOX CULVERT  
 ON 0° SKEW  
 @ STA 26+15.60

PROPOSED @  
 CHANNEL REALIGNMENT

PROPOSED @  
 CHANNEL REALIGNMENT

PROPOSED STR NO 3N  
 3-10' X 7' MULTIPLE BOX CULVERT  
 ON 30° SKEW  
 @ STA 1878+56.24

**LEGEND**

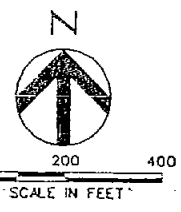
**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS

- WATERS OF THE U.S. (NON-WETLAND)  
(ON CHANNEL PONDS, RIVERS)
- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES  
(UPLAND PONDS, DRAINAGE DITCHES, ETC.)

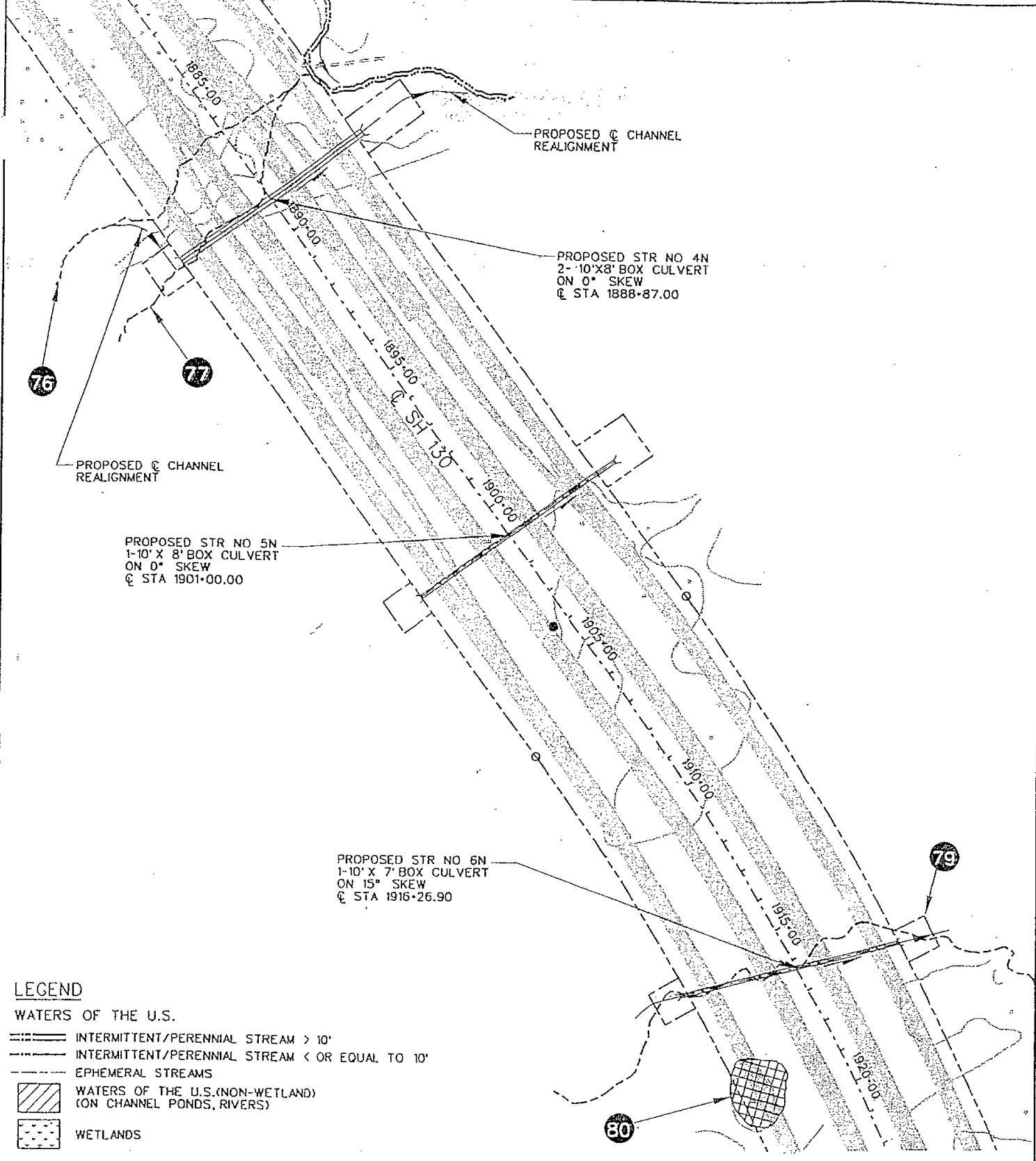


USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
 (GEORGETOWN TO SEGUIN)  
 PRELIMINARY - NOT FOR CONSTRUCTION

<b>HDR</b>	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DATE 25 APR 02
		SEGMENT 3 EXHIBIT 1 OF 10

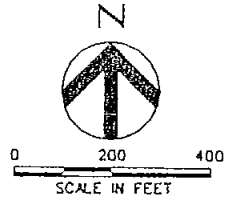
**JURISDICTIONAL DETERMINATION**

DATE: 04/23/2002



**LEGEND**

- WATERS OF THE U.S.
- ===== INTERMITTENT/PERENNIAL STREAM > 10'
  - INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
  - EPHEMERAL STREAMS
  - [Hatched Box] WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
  - [Dotted Box] WETLANDS
- NON-JURISDICTIONAL FEATURES
- PROPOSED ROW
  - PROPOSED CHANNEL REALIGNMENT
  - DIRECTIONAL FLOW ARROW
  - [Culvert Symbol] PROPOSED BOX CULVERT
  - [Culvert Symbol] PROPOSED PIPE CULVERT
  - [Bridge Symbol] PROPOSED BRIDGE
  - [Cross-hatched Box] NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



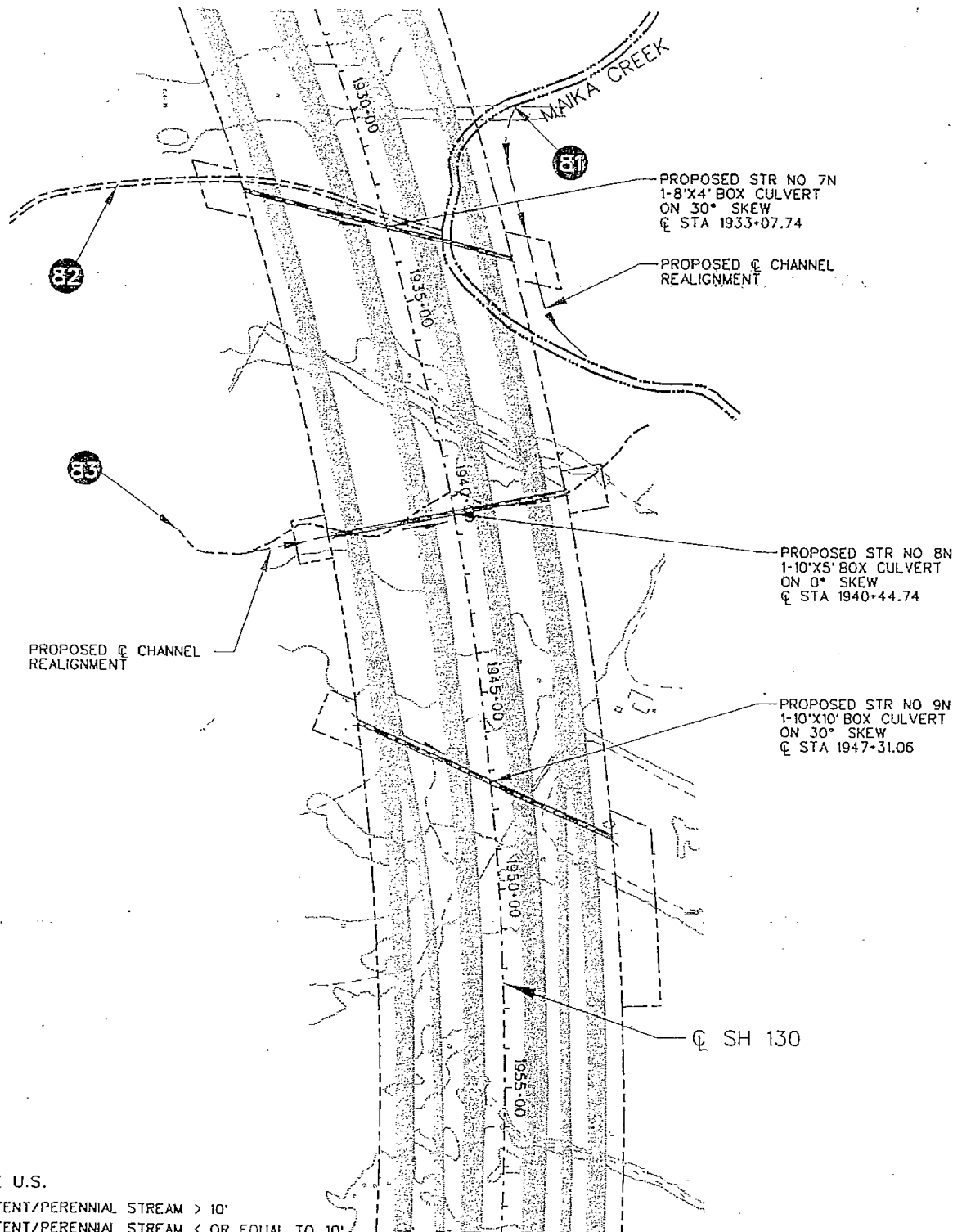
USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
 (GEORGETOWN TO SEGUIN)  
 PRELIMINARY - NOT FOR CONSTRUCTION

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




**LEGEND**




**WATERS OF THE U.S.**


- ===== INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- - - - - EPHEMERAL STREAMS

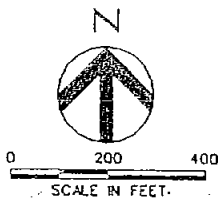
 WATERS OF THE U.S. (NON-WETLAND)  
(ON CHANNEL PONDS, RIVERS)

 WETLANDS

**NON-JURISDICTIONAL FEATURES**

- - - - - PROPOSED ROW
- - - - - PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
-  PROPOSED BOX CULVERT
-  PROPOSED PIPE CULVERT
-  PROPOSED BRIDGE

 NON-JURISDICTIONAL WATER FEATURES  
(UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**  
PRELIMINARY - NOT FOR CONSTRUCTION



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25 APR 02  
SEGMENT • 3  
EXHIBIT  
3 OF 10

**JURISDICTIONAL DETERMINATION**

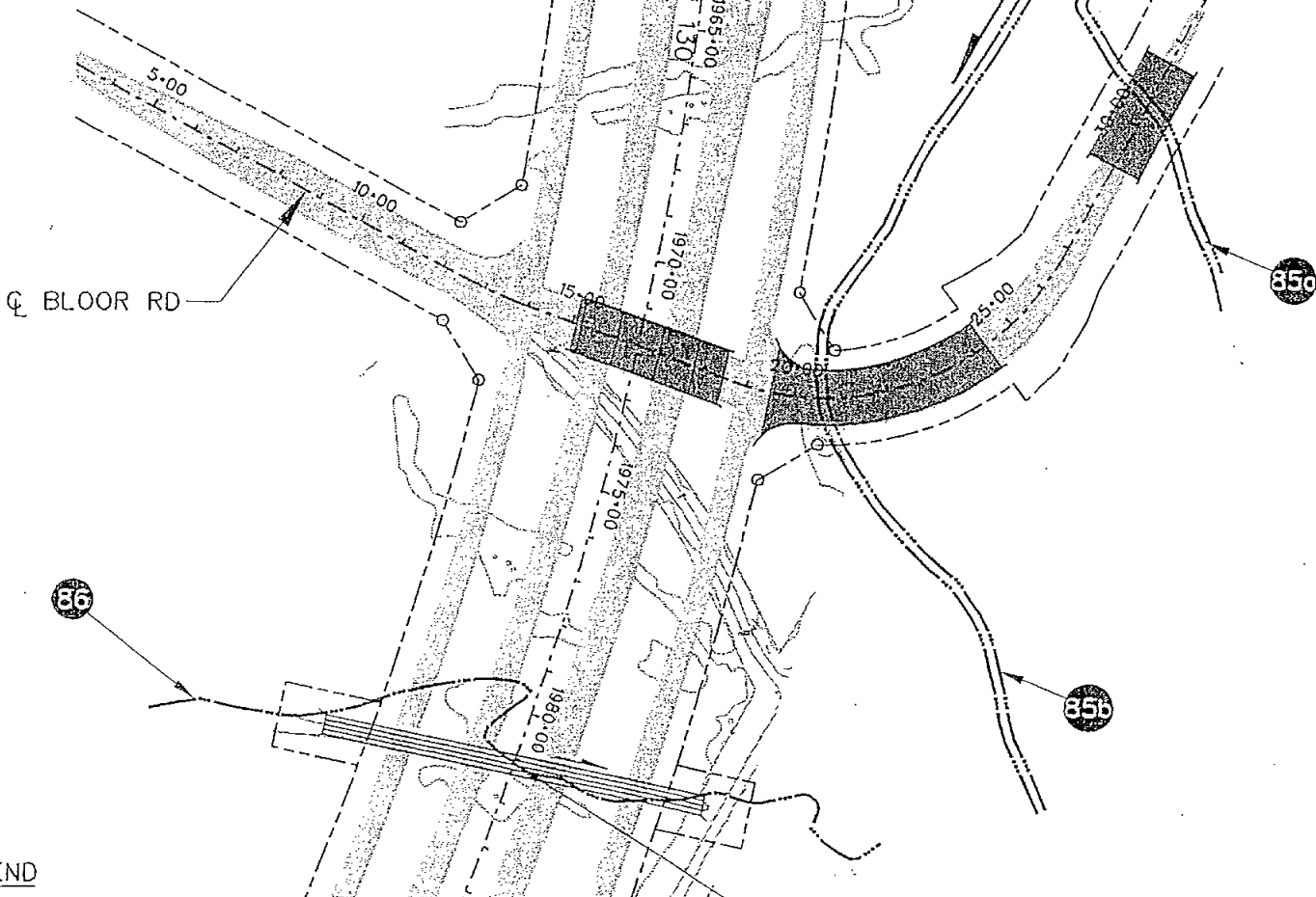


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DATE: 04/23/2002

PROPOSED STR NO 10N  
 1-10' X 5' MULTIPLE BOX CULVERT  
 ON 0° SKEW  
 @ STA 1962+47.19

GILLELAND  
 CREEK



PROPOSED STR NO 11N  
 4-10'X9' BOX CULVERT  
 ON 8° 11' 10" SKEW  
 @ STA 1981+20.09

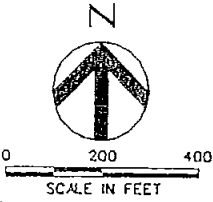
**LEGEND**

WATERS OF THE U.S.

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- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND)  
(ON CHANNEL PONDS, RIVERS)
- WETLANDS

NON-JURISDICTIONAL FEATURES

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES  
(UPLAND PONDS, DRAINAGE DITCHES, ETC.)



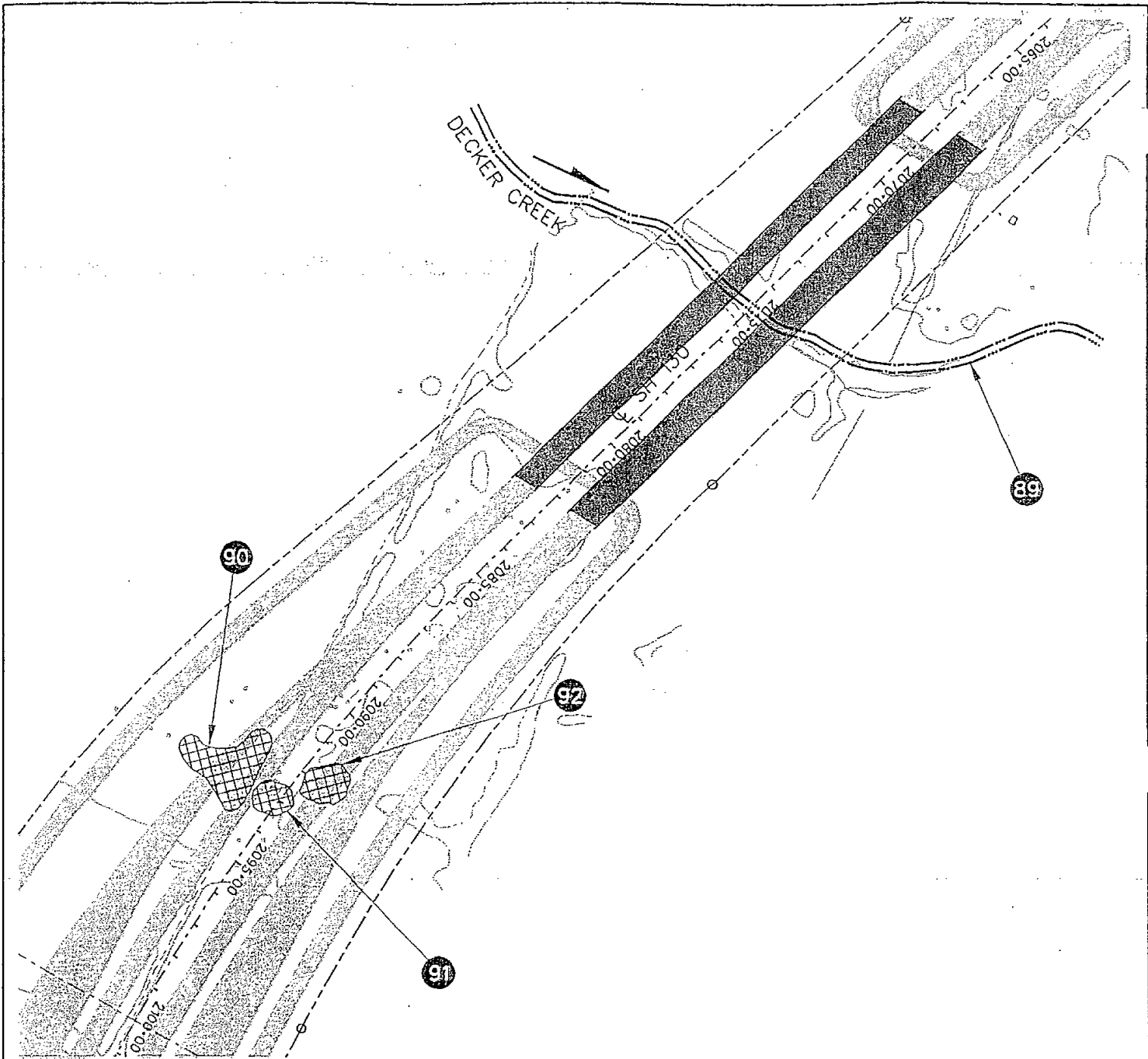
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**PROPOSED STATE HIGHWAY 130**  
 (GEORGETOWN TO SEGUIN)  
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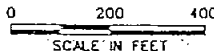
**LEGEND**

**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
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**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**

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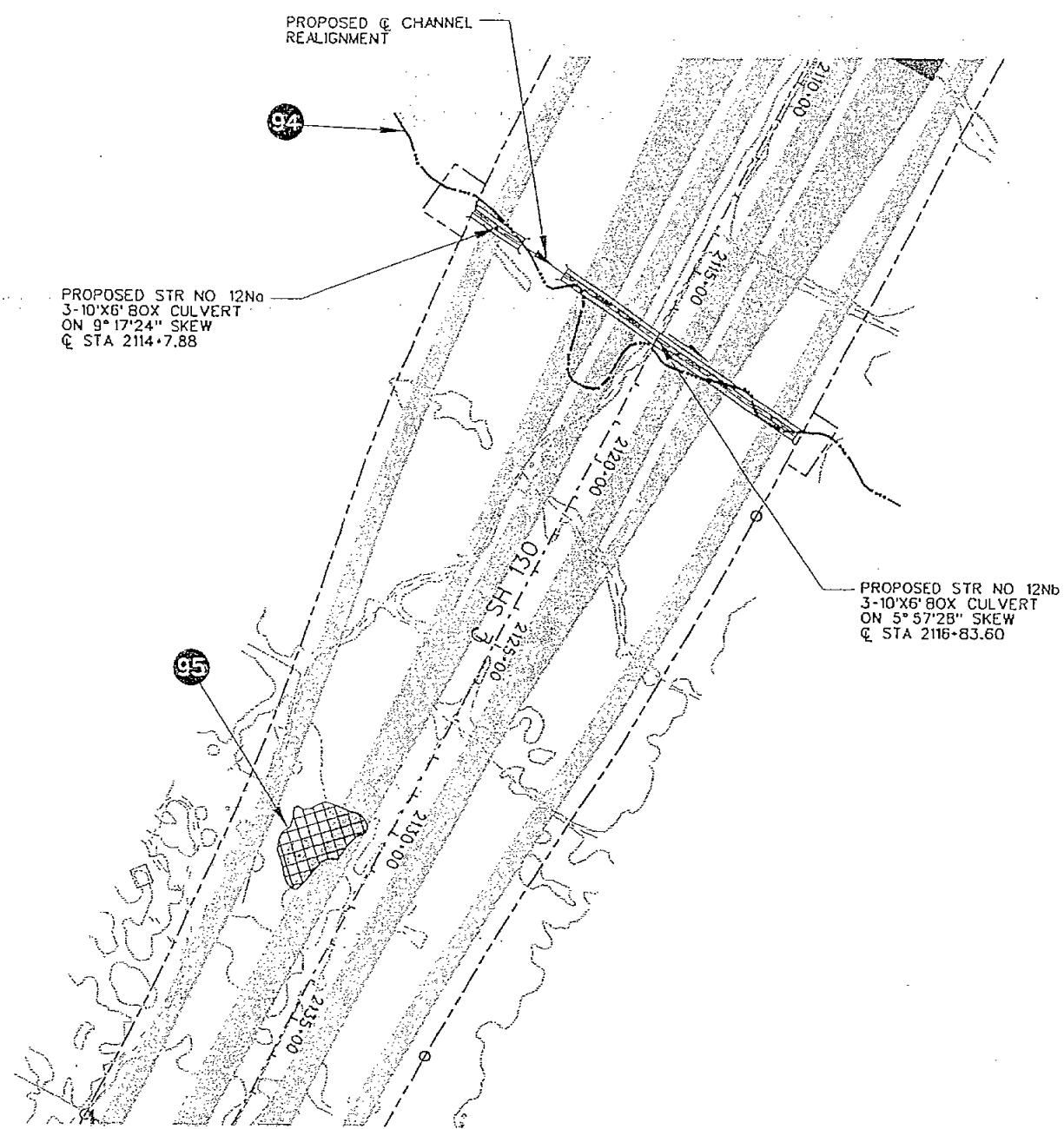
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Texas Turnpike Authority Division

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PROPOSED STR NO 12Na  
 3-10'X6' BOX CULVERT  
 ON 9°17'24" SKEW  
 C STA 2114+7.88

PROPOSED STR NO 12Nb  
 3-10'X6' BOX CULVERT  
 ON 5°57'28" SKEW  
 C STA 2116+83.60

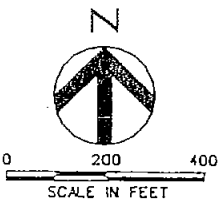
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**WATERS OF THE U.S.**

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- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND)  
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- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
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- NON-JURISDICTIONAL WATER FEATURES  
(UPLAND PONDS, DRAINAGE DITCHES, ETC.)



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**PROPOSED STATE HIGHWAY 130  
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PRELIMINARY - NOT FOR CONSTRUCTION



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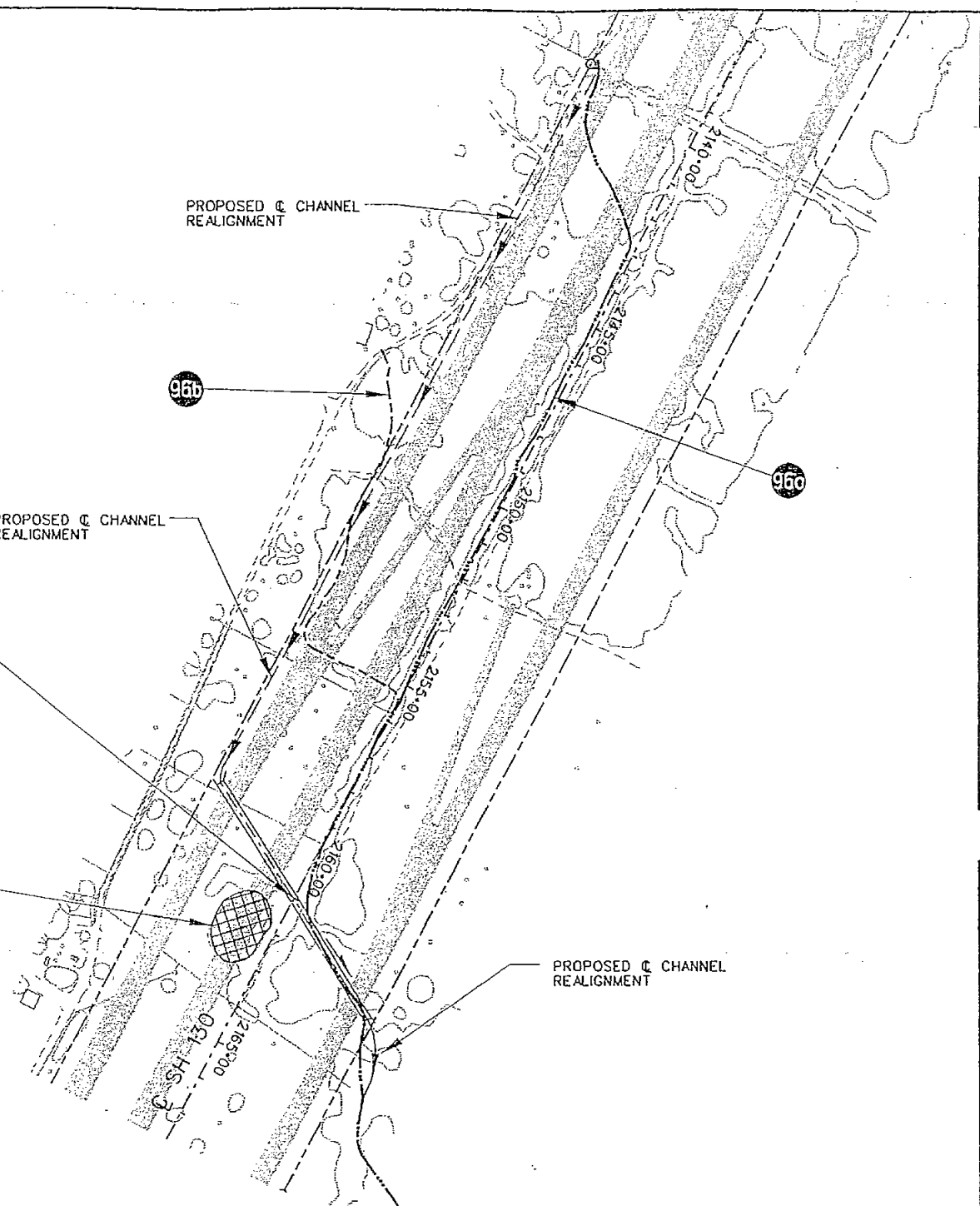
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DATE: 04/23/2002



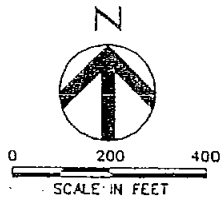
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**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)

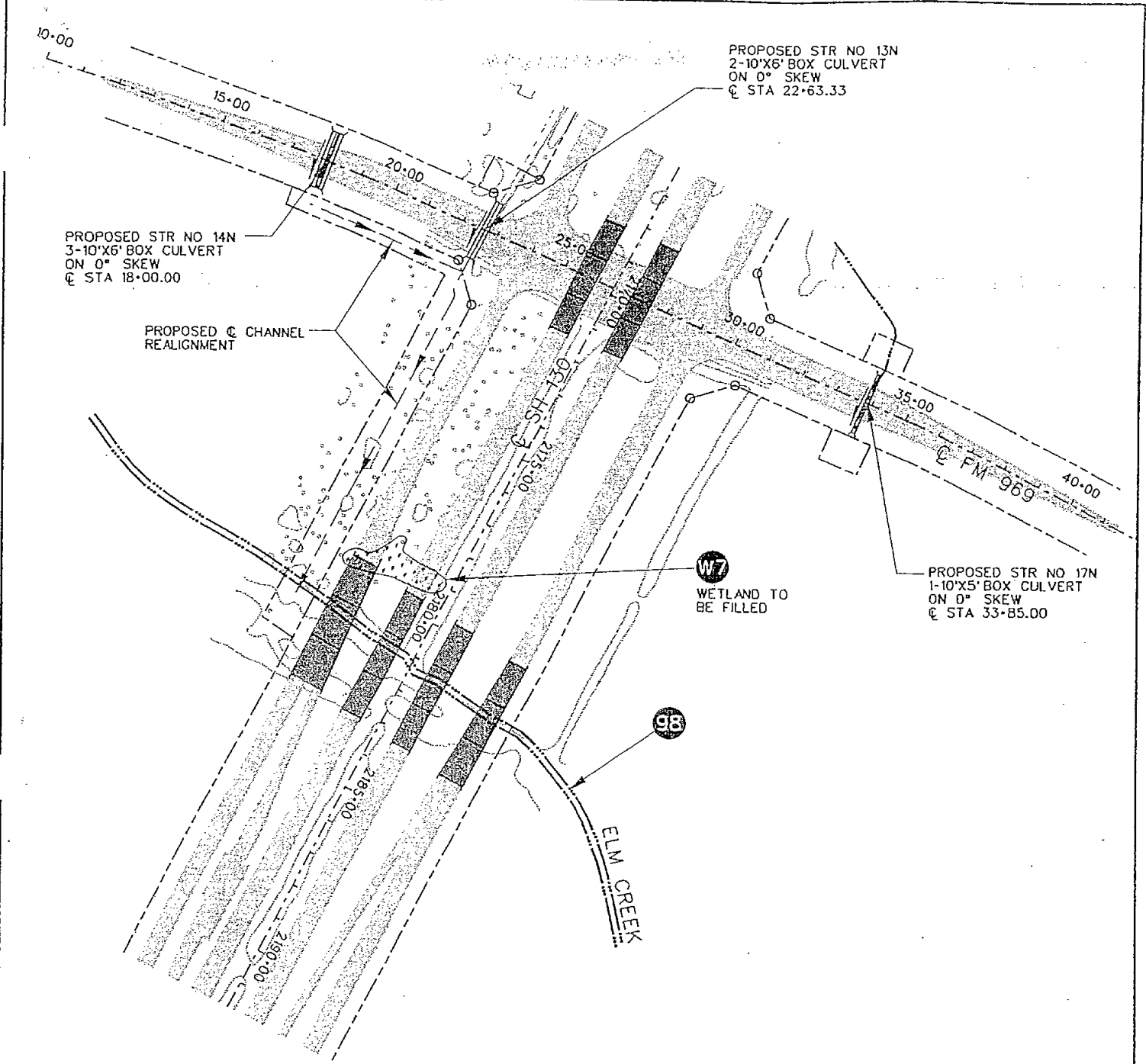


USACE PROJECT NO. 1996-00228  
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		SEGMENT #3 EXHIBIT 7 OF 10

**JURISDICTIONAL DETERMINATION**

DATE: 04/24/2002



PROPOSED STR NO 13N  
 2-10'X6' BOX CULVERT  
 ON 0° SKEW  
 @ STA 22+63.33

PROPOSED STR NO 14N  
 3-10'X6' BOX CULVERT  
 ON 0° SKEW  
 @ STA 18+00.00

PROPOSED @ CHANNEL  
 REALIGNMENT

PROPOSED STR NO 17N  
 1-10'X5' BOX CULVERT  
 ON 0° SKEW  
 @ STA 33+85.00

W7  
 WETLAND TO  
 BE FILLED

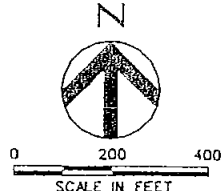
98

ELM CREEK

**LEGEND**

- WATERS OF THE U.S.
- INTERMITTENT/PERENNIAL STREAM > 10'
  - INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
  - EPHEMERAL STREAMS
  - WATERS OF THE U.S. (NON-WETLAND)  
(ON CHANNEL PONDS, RIVERS)
  - WETLANDS

- NON-JURISDICTIONAL FEATURES
- PROPOSED ROW
  - PROPOSED CHANNEL REALIGNMENT
  - DIRECTIONAL FLOW ARROW
  - PROPOSED BOX CULVERT
  - PROPOSED PIPE CULVERT
  - PROPOSED BRIDGE
  - NON-JURISDICTIONAL WATER FEATURES  
(UPLAND PONDS, DRAINAGE DITCHES, ETC.)



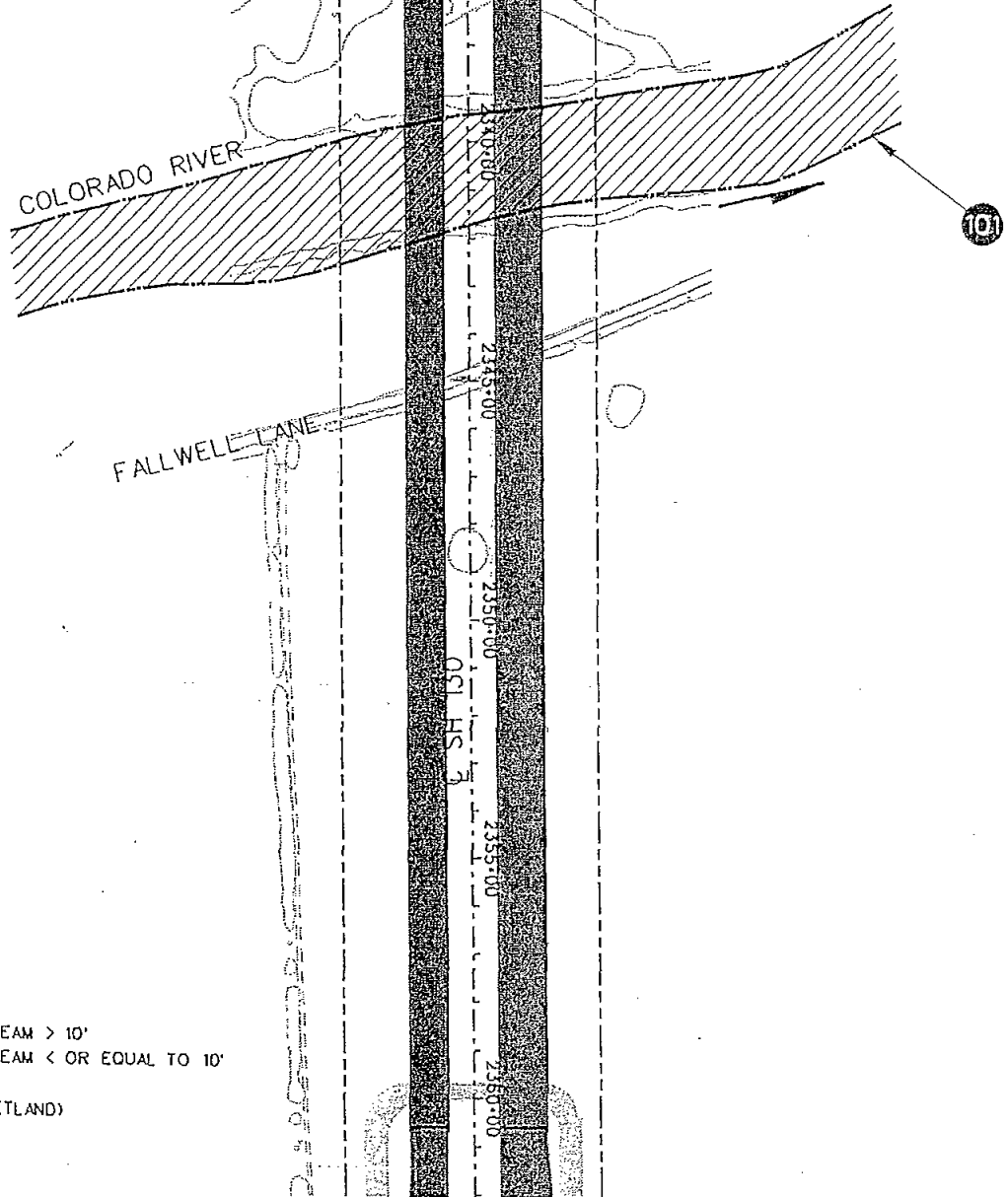
USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
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		SEGMENT 3 EXHIBIT 8 OF 10

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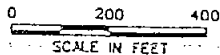
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**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
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**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
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**PROPOSED STATE HIGHWAY 130  
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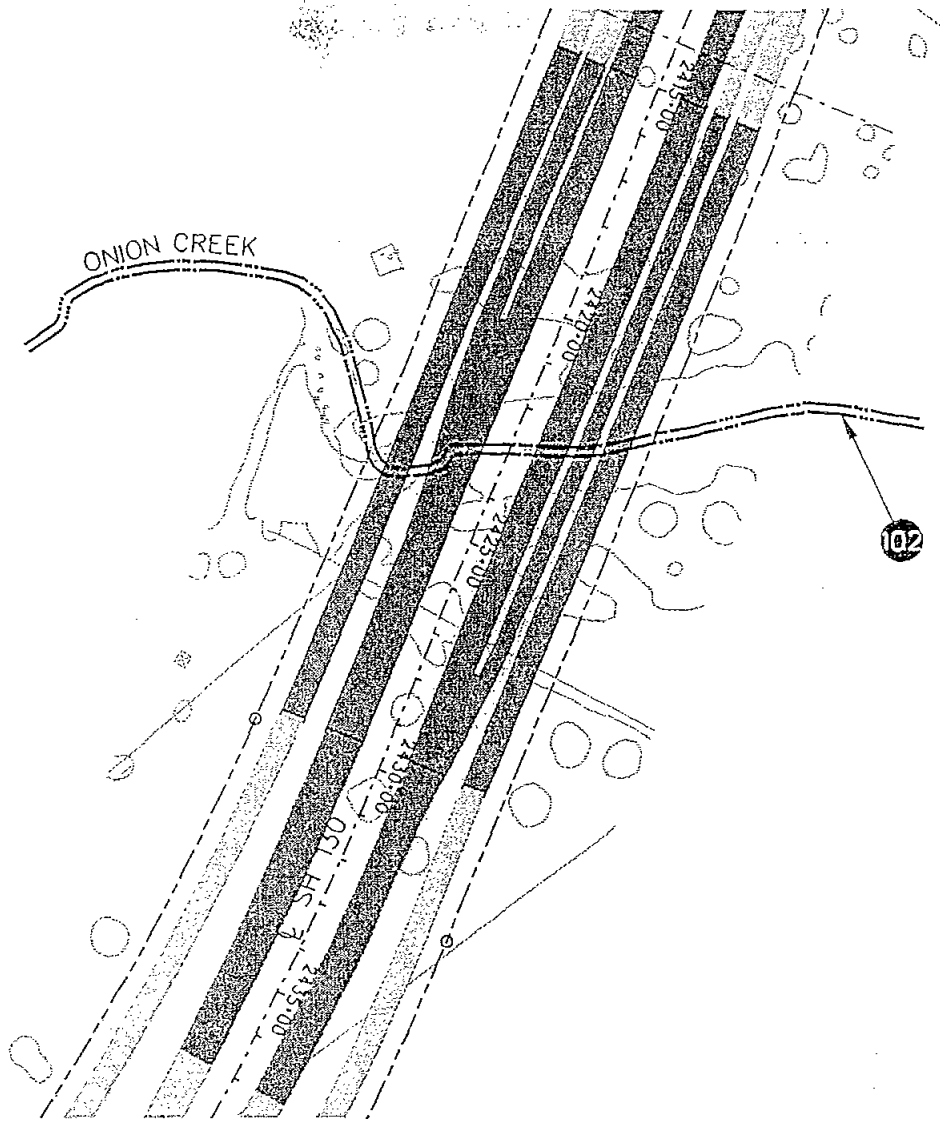
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**JURISDICTIONAL DETERMINATION**



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**LEGEND**

**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS

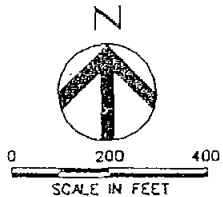
WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)

WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
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- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE

NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
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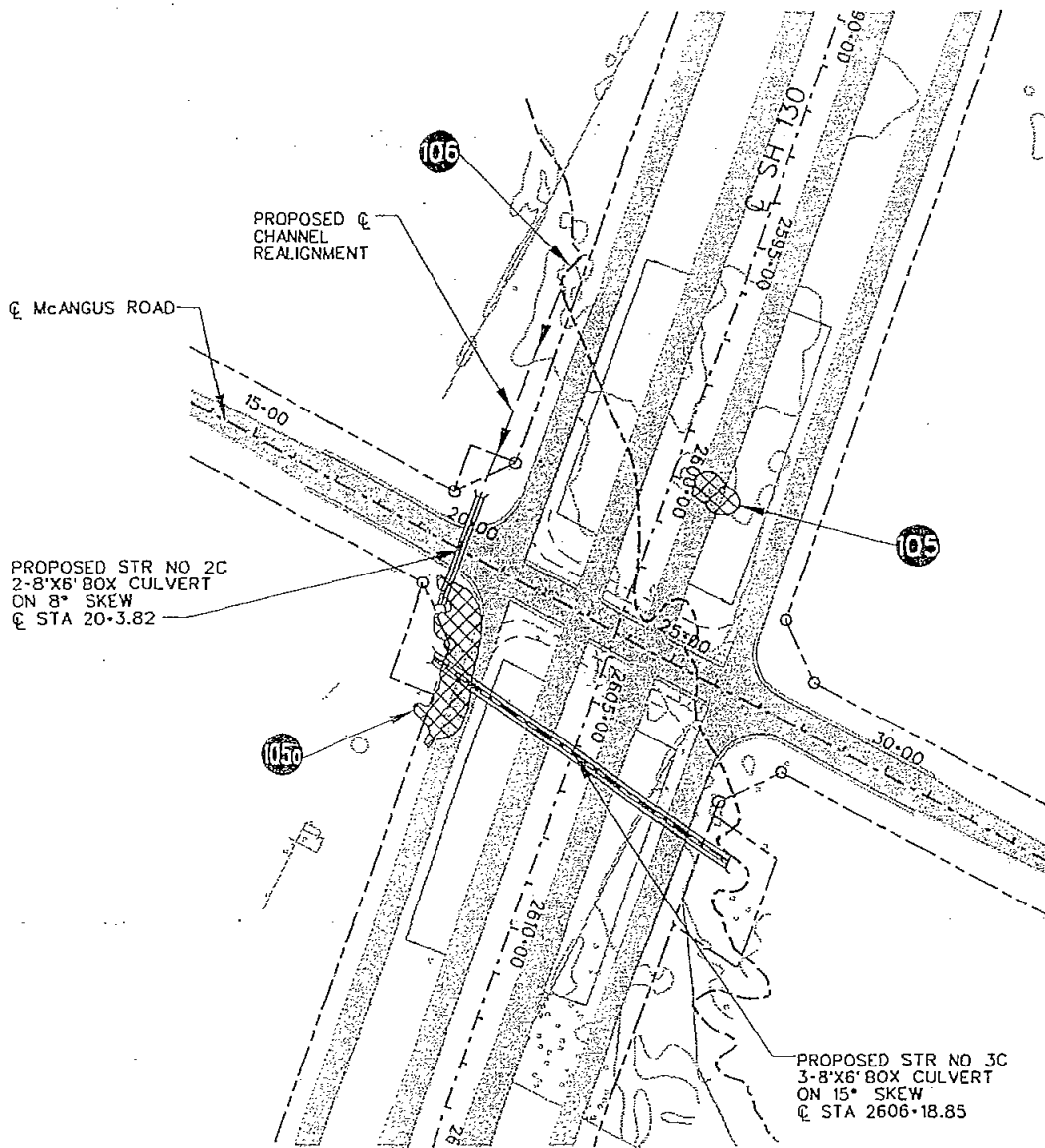
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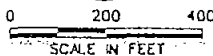
**LEGEND**

**WATERS OF THE U.S.**

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**NON-JURISDICTIONAL FEATURES**

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TTA PROJECT OFFICE  
1421 Wells Branch Parkway Building 1,  
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DATE  
25 APR 02

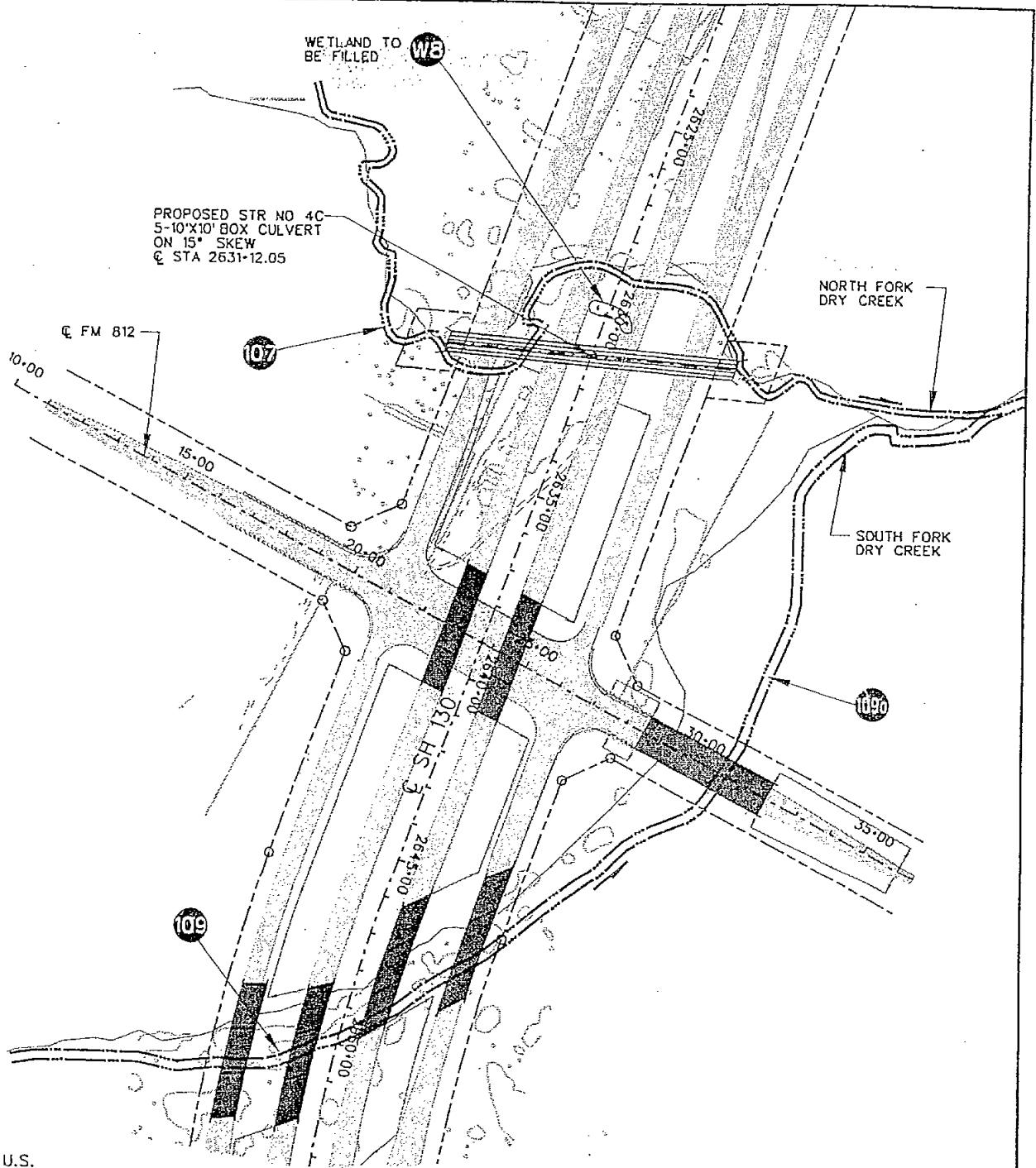
SEGMENT \*4  
EXHIBIT  
1 OF 7

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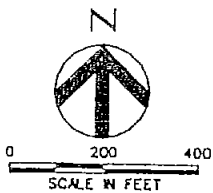
**LEGEND**

**WATERS OF THE U.S.**

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USACE PROJECT NO. 1996-00228  
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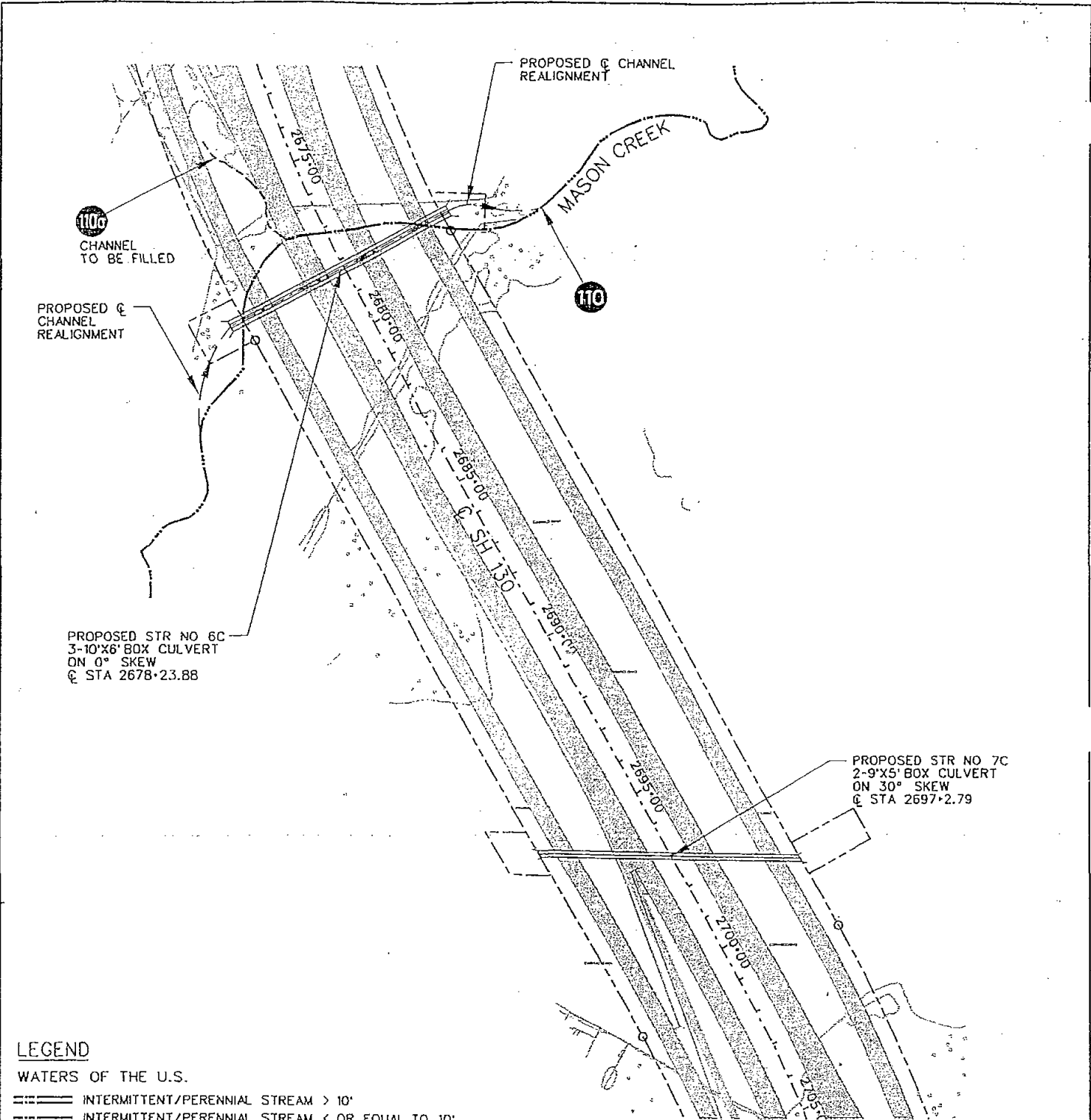
**HDR** HDR Engineering, Inc.  
 TTA PROJECT OFFICE  
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 Suite 107, Pflugerville, Texas 78660

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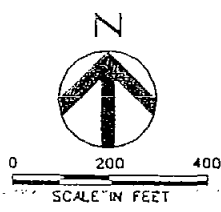
**LEGEND**

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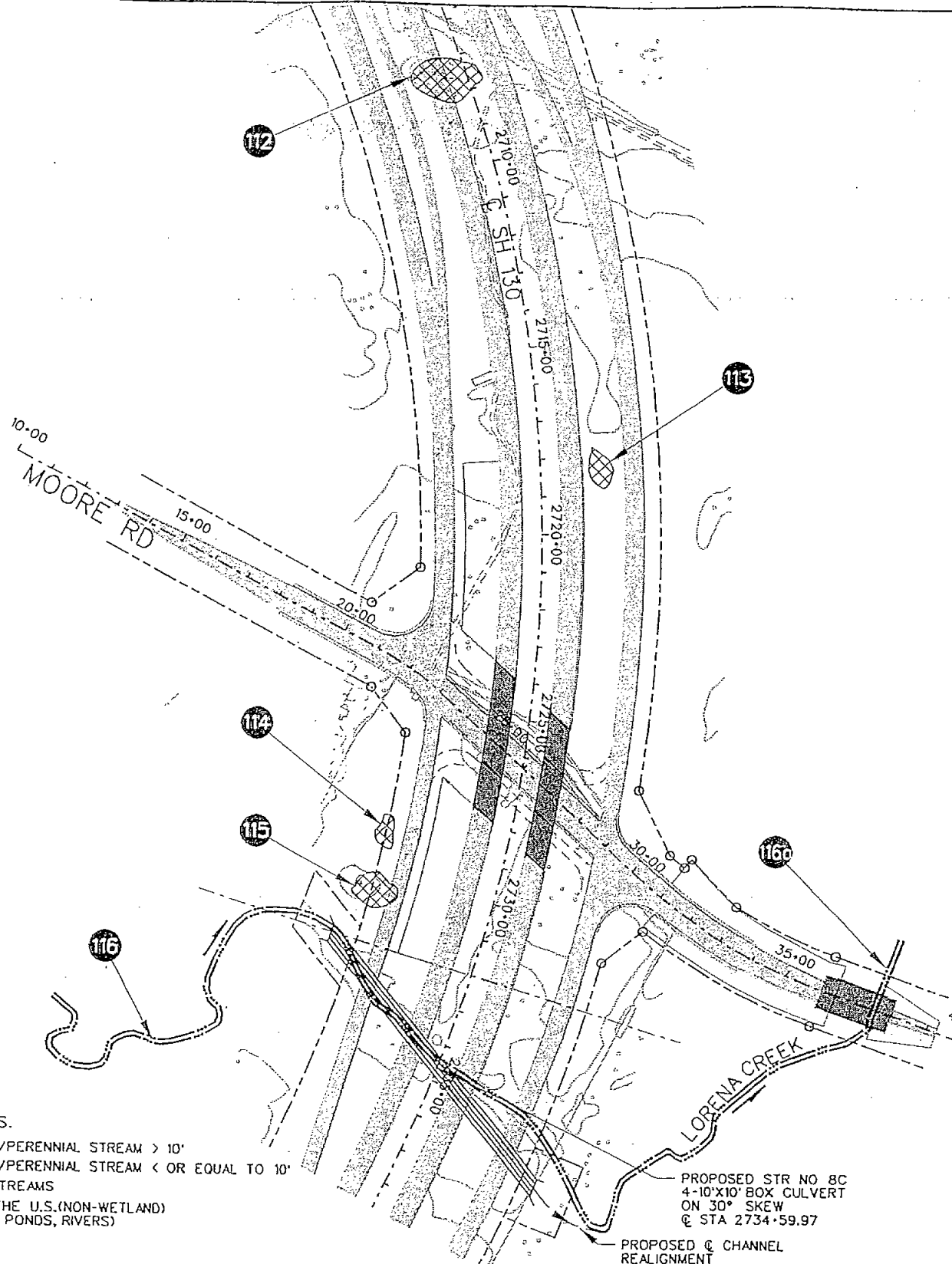
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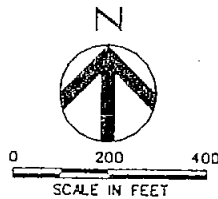
**LEGEND**

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EXHIBIT  
4 OF 7

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DATE: 04/23/2002

PROPOSED CULVERT  
ON 30° SKEW  
☉ STA 2764+00

PROPOSED ☉  
CHANNEL  
REALIGNMENT


PROPOSED STR NO 10C  
3-8'X3' BOX CULVERT  
ON 15° SKEW  
☉ STA 2785+15.95


PROPOSED STR NO 11C  
2-5'X4' BOX CULVERT  
ON 0° SKEW  
☉ STA 25+29.18

**LEGEND**





**WATERS OF THE U.S.**

- ===== INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS

 WATERS OF THE U.S. (NON-WETLAND)  
(ON CHANNEL PONDS, RIVERS)

 WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
-  PROPOSED BOX CULVERT
-  PROPOSED PIPE CULVERT
-  PROPOSED BRIDGE
-  NON-JURISDICTIONAL WATER FEATURES  
(UPLAND PONDS, DRAINAGE DITCHES, ETC.)



0 200 400  
SCALE IN FEET

USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**

PRELIMINARY - NOT FOR CONSTRUCTION



HDR Engineering, Inc.  
TTA PROJECT OFFICE  
1421 Wells Branch Parkway Building 1,  
Suite 107, Pflugerville, Texas 78660

DATE  
25 APR 02

SEGMENT \*4  
EXHIBIT  
5 OF 7

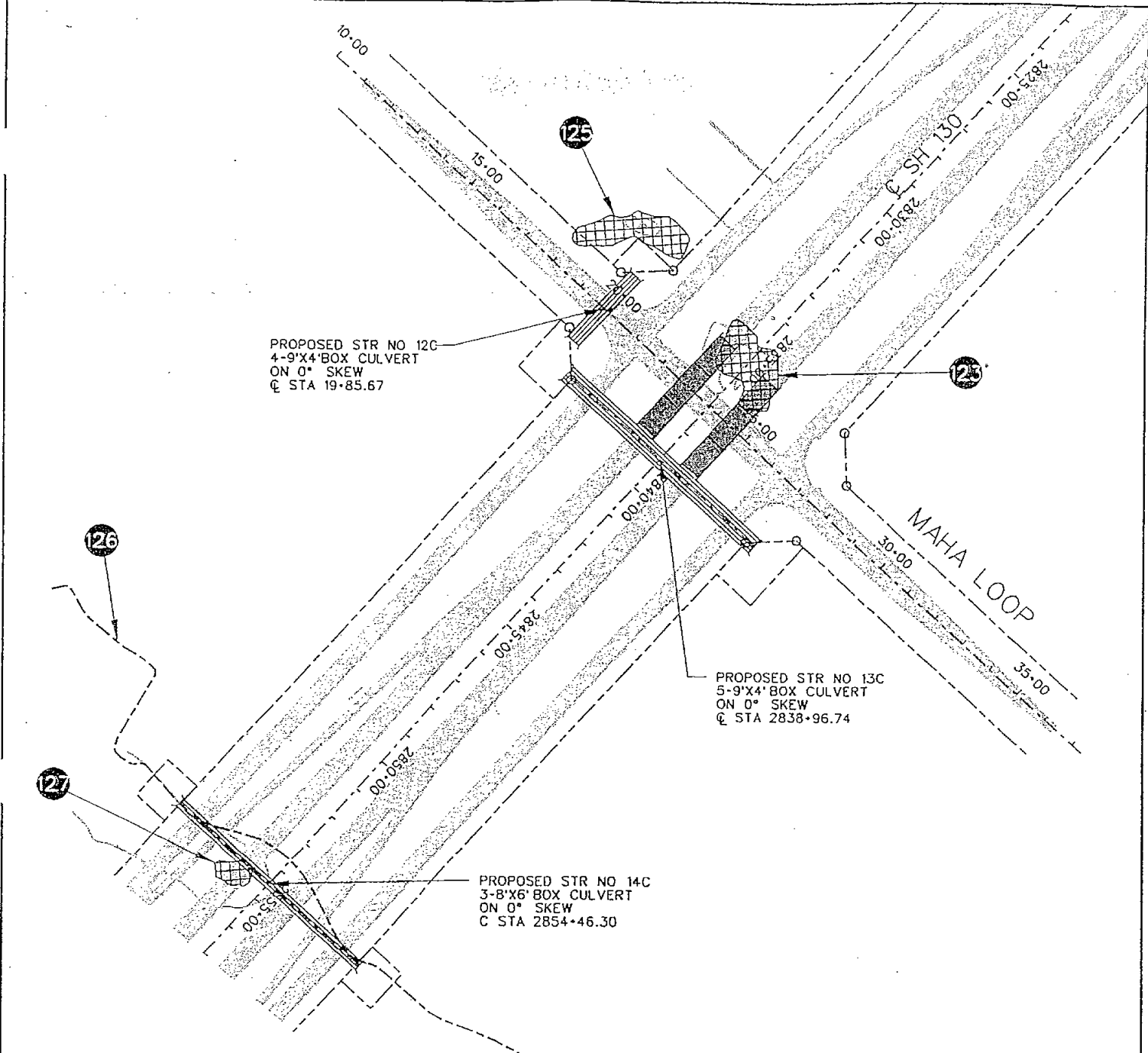
**JURISDICTIONAL DETERMINATION**



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Texas Turnpike Authority Division

DATE: 04/23/2002



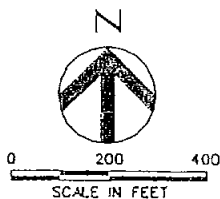
**LEGEND**

**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**

PRELIMINARY - NOT FOR CONSTRUCTION



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TTA PROJECT OFFICE  
1421 Wells Branch Parkway Building 1,  
Suite 107, Pflugerville, Texas 78660

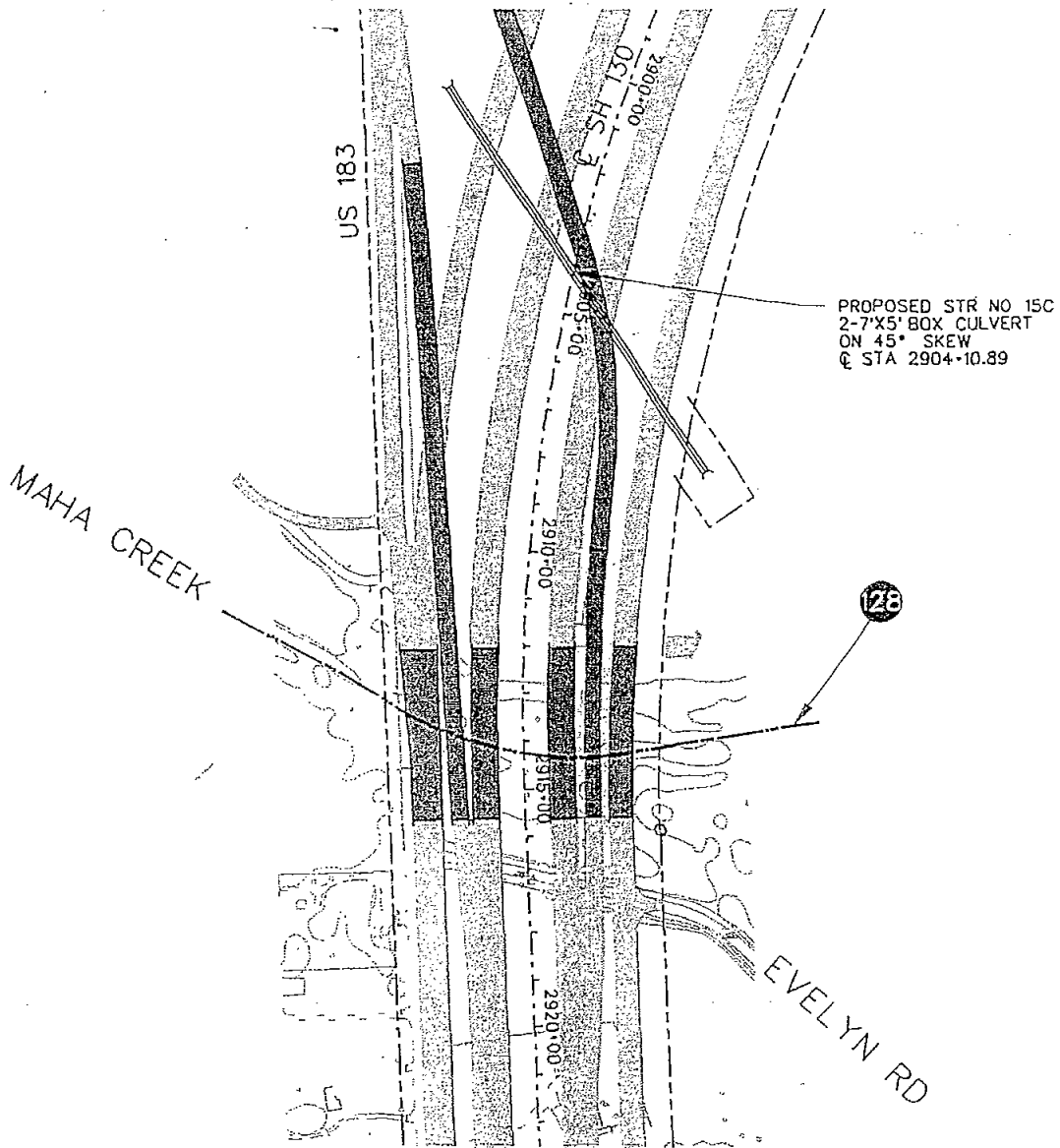
DATE 25 APR 02
SEGMENT #4 EXHIBIT 6 OF 7

**JURISDICTIONAL DETERMINATION**



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DATE: 04/23/2002



PROPOSED STR NO 15C  
 2-7'X5' BOX CULVERT  
 ON 45° SKEW  
 @ STA 2904+10.89

**LEGEND**

**WATERS OF THE U.S.**

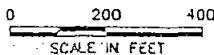
- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS

WATERS OF THE U.S. (NON-WETLAND)  
 (ON CHANNEL PONDS, RIVERS)

WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES  
 (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
 (GEORGETOWN TO SEGUIN)**

PRELIMINARY - NOT FOR CONSTRUCTION



HDR Engineering, Inc.  
 TTA PROJECT OFFICE  
 1421 Wells Branch Parkway Building 1,  
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DATE  
 25 APR 02

SEGMENT #4  
 EXHIBIT  
 7 OF 7

**JURISDICTIONAL DETERMINATION**



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DATE: 04/23/2002

129  
 W9  
 WETLAND  
 TO BE FILLED

LAW'S RD

PROPOSED STR NO 15  
 6-10'X5' BOX CULVERT  
 @ STA 2990+00

SH 130

**LEGEND**

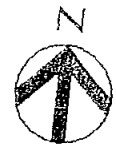
**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND)  
(ON CHANNEL PONDS, RIVERS)
- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE

NON-JURISDICTIONAL WATER FEATURES  
 (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



0 200 400  
 SCALE IN FEET

USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
 (GEORGETOWN TO SEGUIN)  
 PRELIMINARY - NOT FOR CONSTRUCTION



HDR Engineering, Inc.  
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 Suite 107, Pflugerville, Texas 78660

DATE  
 25 APR 02

SEGMENT \*5  
 EXHIBIT  
 1 OF 9

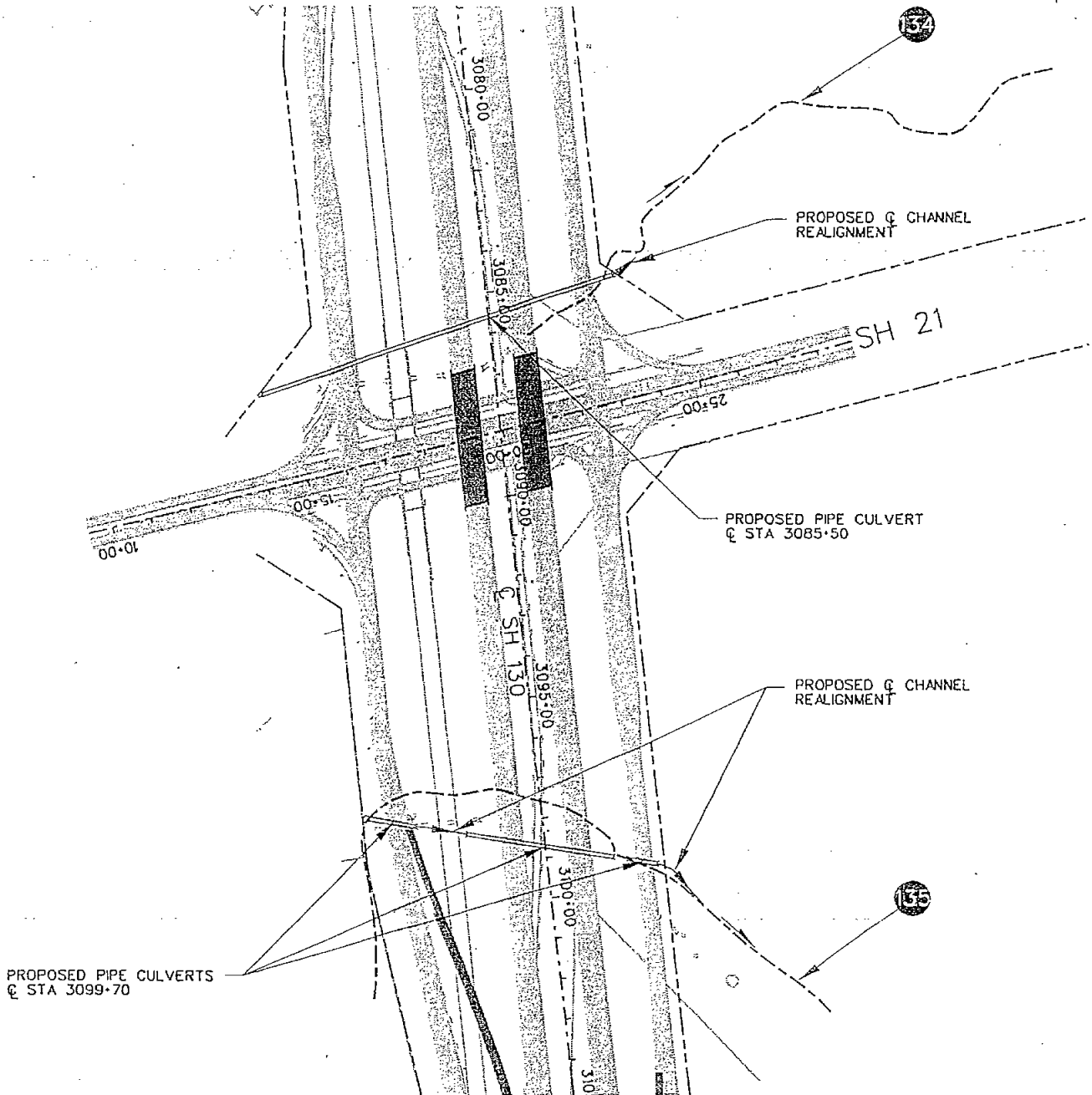


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**JURISDICTIONAL DETERMINATION**





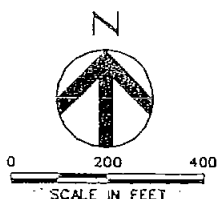
**LEGEND**

**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
 (GEORGETOWN TO SEGUIN)  
 PRELIMINARY - NOT FOR CONSTRUCTION



HDR Engineering, Inc.  
 TTA PROJECT OFFICE  
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 Suite 107, Pflugerville, Texas 78660

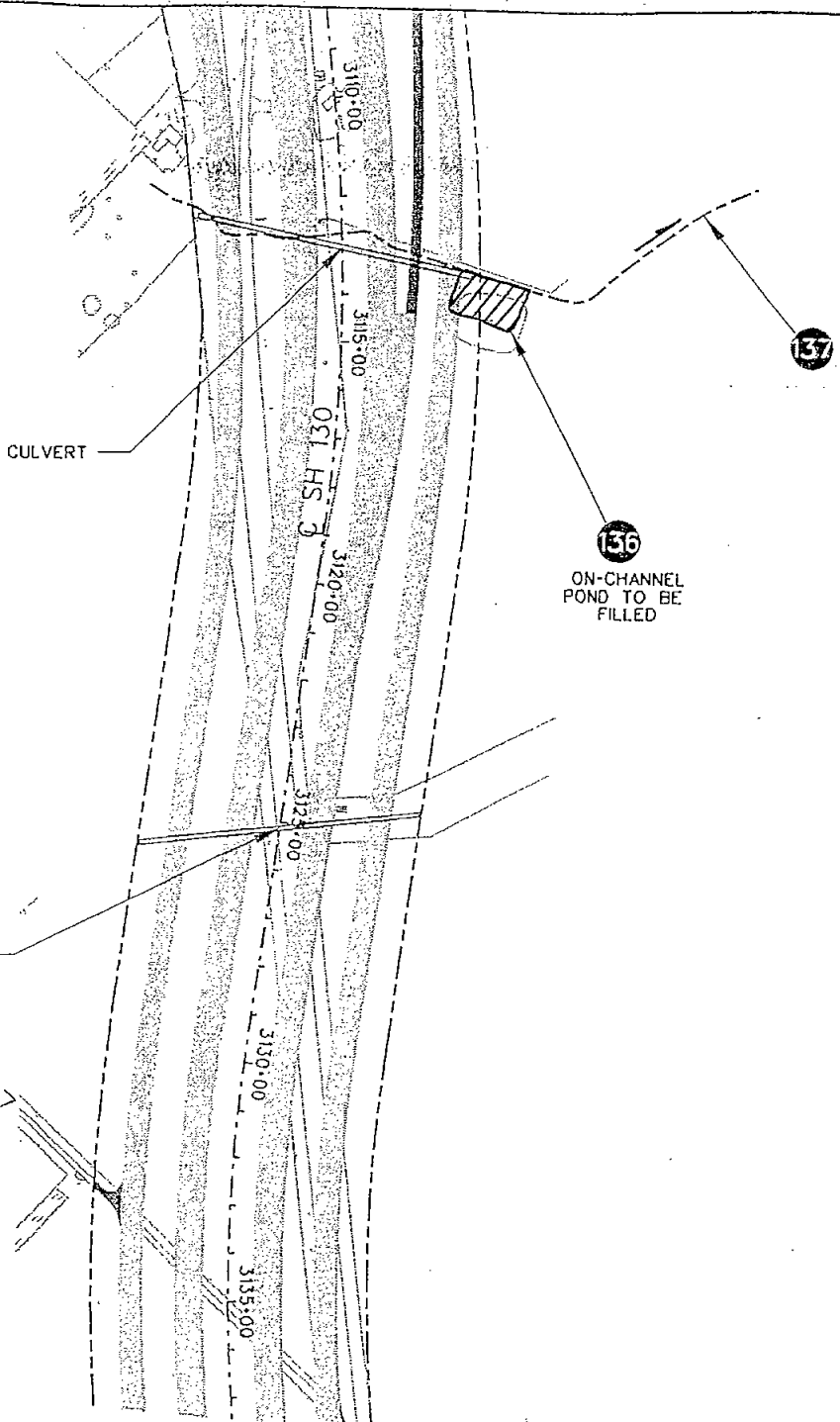
DATE  
 25 APR 02  
 SEGMENT • 5  
 EXHIBIT  
 2 OF 9

**JURISDICTIONAL DETERMINATION**



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DATE: 04/23/2002



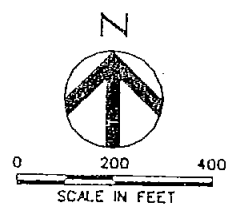
PROPOSED PIPE CULVERT  
 @ STA 3113+05

PROPOSED PIPE CULVERT  
 @ STA 3125+18

ON-CHANNEL  
 POND TO BE  
 FILLED

**LEGEND**

- WATERS OF THE U.S.**
- INTERMITTENT/PERENNIAL STREAM > 10'
  - INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
  - EPHEMERAL STREAMS
  - WATERS OF THE U.S. (NON-WETLAND)  
(ON CHANNEL PONDS, RIVERS)
  - WETLANDS
- NON-JURISDICTIONAL FEATURES**
- PROPOSED ROW
  - PROPOSED CHANNEL REALIGNMENT
  - DIRECTIONAL FLOW ARROW
  - PROPOSED BOX CULVERT
  - PROPOSED PIPE CULVERT
  - PROPOSED BRIDGE
  - NON-JURISDICTIONAL WATER FEATURES  
(UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
 (GEORGETOWN TO SEGUIN)  
 PRELIMINARY - NOT FOR CONSTRUCTION

	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DATE 25 APR 02
		SEGMENT #5 EXHIBIT 3 OF 9

**JURISDICTIONAL DETERMINATION**

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 Texas Turnpike Authority Division

DATE: 04/23/2002

PROPOSED PIPE CULVERT  
@ STA 3175+55

PROPOSED STR NO 3S  
4-10'X5' BOX CULVERT  
@ STA 3195+55

PROPOSED @ CHANNEL  
REALIGNMENT

**LEGEND**

**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND)  
(ON CHANNEL PONDS, RIVERS)
- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES  
(UPLAND PONDS, DRAINAGE DITCHES, ETC.)



0 200 400  
SCALE IN FEET

USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**

PRELIMINARY - NOT FOR CONSTRUCTION



HDR Engineering, Inc.  
TTA PROJECT OFFICE  
1421 Wells Branch Parkway Building 1,  
Suite 107, Pflugerville, Texas 78660

DATE  
25 APR 02

SEGMENT \*5  
EXHIBIT  
4 OF 9

**JURISDICTIONAL DETERMINATION**



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Texas Turnpike Authority Division

DATE: 04/23/2002

PROPOSED PIPE CULVERT  
@ STA 3219+30

143

SH 130

PROPOSED STR NO 45  
3-10'X6' BOX CULVERT  
@ STA 3241+38

144






144

PROPOSED PIPE CULVERT  
@ STA 3248+50








145

**LEGEND**

**WATERS OF THE U.S.**

-  INTERMITTENT/PERENNIAL STREAM > 10'
-  INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
-  EPHEMERAL STREAMS
-  WATERS OF THE U.S. (NON-WETLAND)  
(ON CHANNEL PONDS, RIVERS)
-  WETLANDS

**NON-JURISDICTIONAL FEATURES**

-  PROPOSED ROW
-  PROPOSED CHANNEL REALIGNMENT
-  DIRECTIONAL FLOW ARROW
-  PROPOSED BOX CULVERT
-  PROPOSED PIPE CULVERT
-  PROPOSED BRIDGE
-  NON-JURISDICTIONAL WATER FEATURES  
(UPLAND PONDS, DRAINAGE DITCHES, ETC.)



0 200 400  
SCALE IN FEET


USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**

PRELIMINARY - NOT FOR CONSTRUCTION

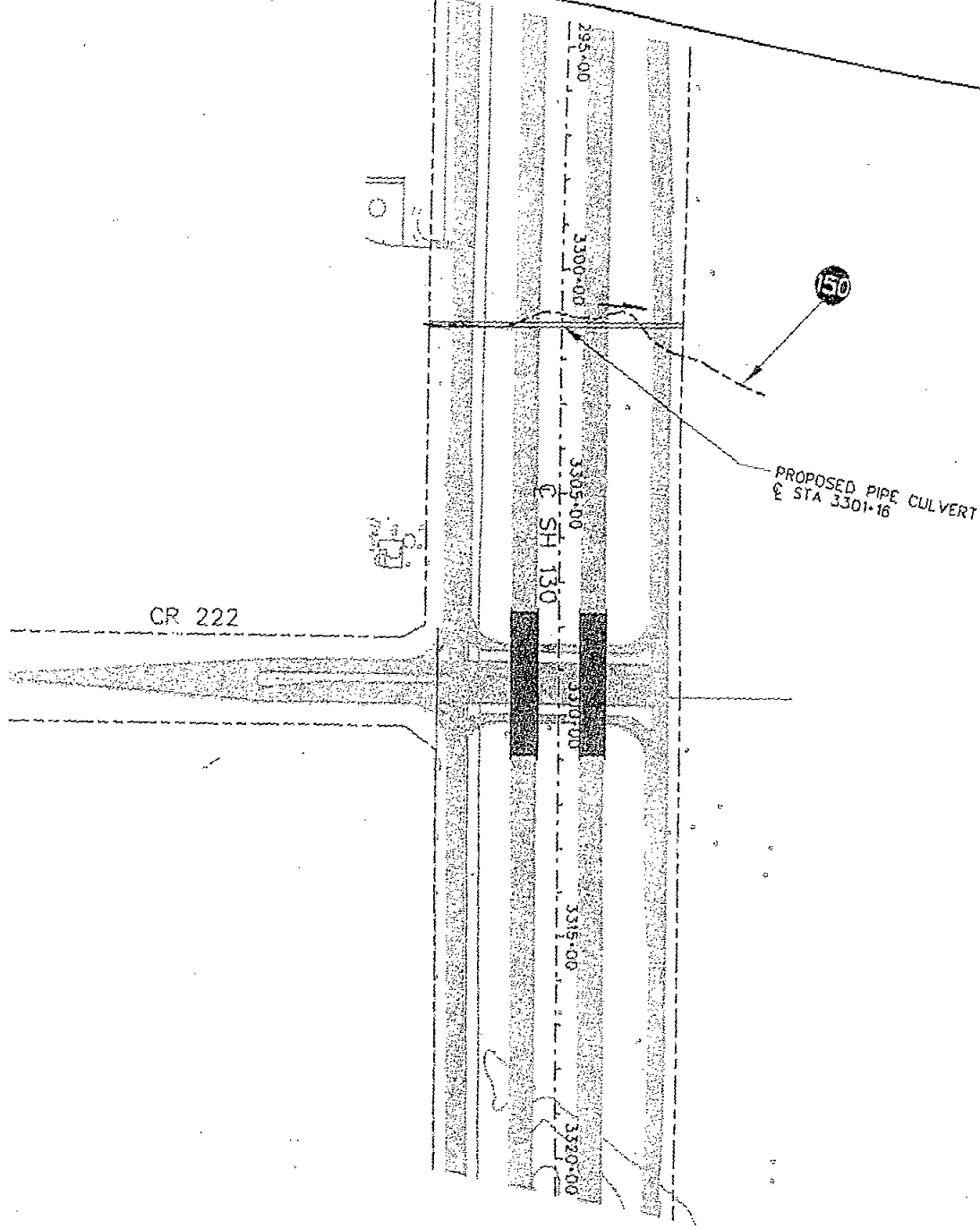
**HDR** HDR Engineering, Inc.  
TTA PROJECT OFFICE  
1421 Wells Branch Parkway Building 1,  
Suite 107, Pflugerville, Texas 78660

DATE  
25 APR 02  
SEGMENT \*5  
EXHIBIT  
5 OF 9

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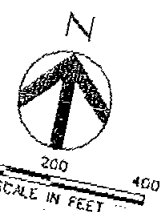
**JURISDICTIONAL DETERMINATION**

DATE: 04/24/2002



**LEGEND**

- WATERS OF THE U.S.
  - INTERMITTENT/PERENNIAL STREAM > 10'
  - INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
  - EPHEMERAL STREAMS
  - WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
  - WETLANDS
- NON-JURISDICTIONAL FEATURES
  - PROPOSED ROW
  - PROPOSED CHANNEL REALIGNMENT
  - DIRECTIONAL FLOW ARROW
  - PROPOSED BOX CULVERT
  - PROPOSED PIPE CULVERT
  - PROPOSED BRIDGE
  - NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
 (GEORGETOWN TO SEGUIN)  
 PRELIMINARY - NOT FOR CONSTRUCTION



HDR, Engineering, Inc.  
 TTA PROJECT OFFICE  
 1421 Wells Branch Parkway Building 1,  
 Suite 107, Pflugerville, Texas 78680

DATE	25 APR '02
SEGMENT	*5
EXHIBIT	6 OF 9

**JURISDICTIONAL DETERMINATION**

Texas Department of Transportation  
 Texas Turnpike Authority

PROPOSED PIPE CULVERT  
ON 30° SKEW  
@ STA 3330+00

PROPOSED PIPE CULVERT  
@ STA 3339+10

PROPOSED PIPE CULVERT  
@ STA 3349+30

3330+00  
3335+00  
3340+00  
3345+00  
3350+00  
3355+00

SH 130

151

152

153

**LEGEND**

- WATERS OF THE U.S.
- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND)  
(ON CHANNEL PONDS, RIVERS)
- WETLANDS

- NON-JURISDICTIONAL FEATURES
- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE

NON-JURISDICTIONAL WATER FEATURES  
(UPLAND PONDS, DRAINAGE DITCHES, ETC.)



0 200 400  
SCALE IN FEET

USACE PROJECT NO. 1996-00228  
PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)  
PRELIMINARY - NOT FOR CONSTRUCTION



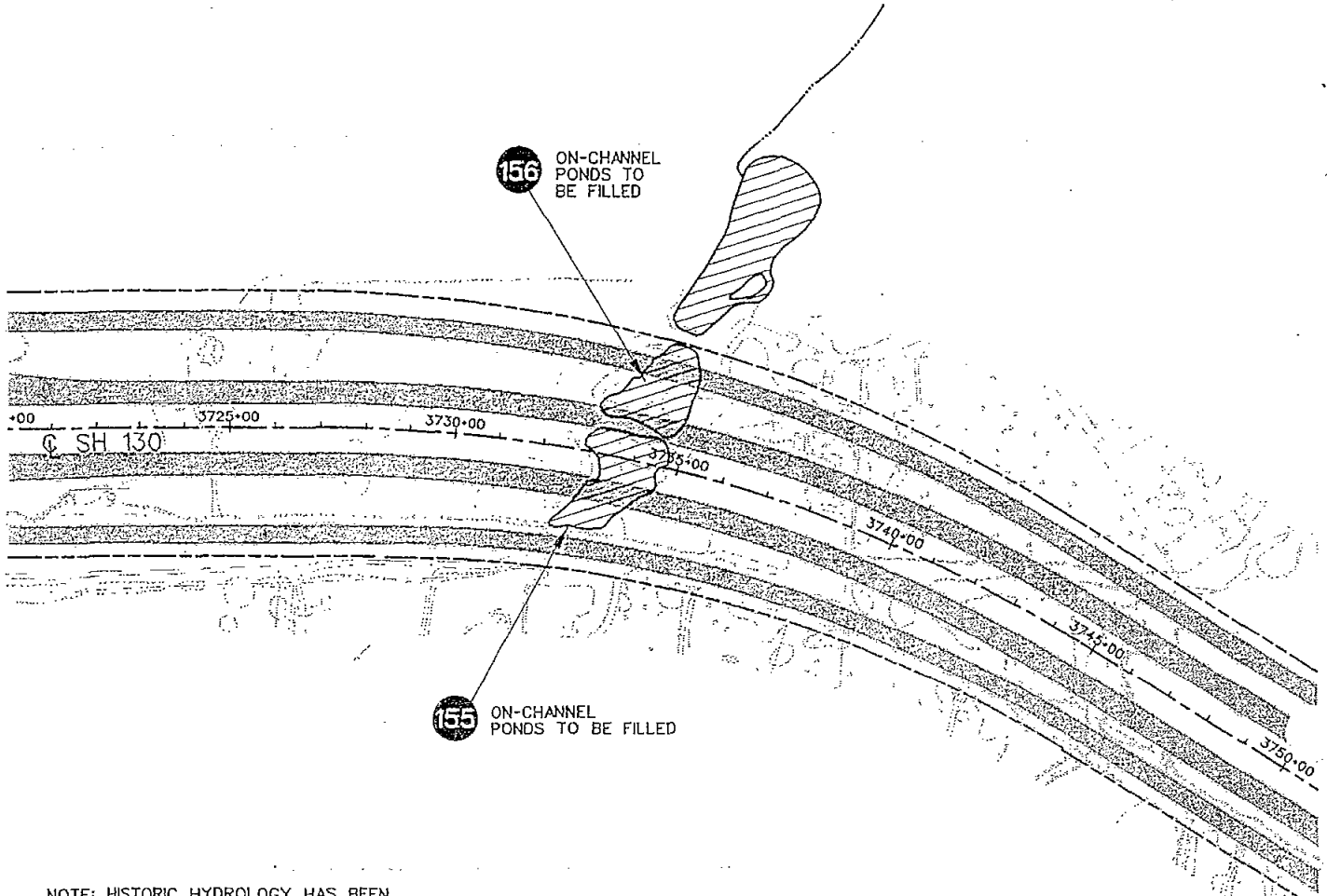
HDR Engineering, Inc.  
T&A PROJECT OFFICE  
1421 Wells Branch Parkway Building 1,  
Suite 107, Pflugerville, Texas 78660

DATE  
25 APR 02  
SEGMENT \*5  
EXHIBIT  
7 OF 9

JURISDICTIONAL DETERMINATION



Texas Department of Transportation  
Texas Turnpike Authority Division



NOTE: HISTORIC HYDROLOGY HAS BEEN SIGNIFICANTLY ALTERED BY US 183 AND CONSTRUCTION OF MULTIPLE PONDS ON CHANNEL. NO DEFINED INCOMING CHANNEL TO POND 155 CURRENTLY EXISTS.

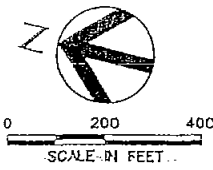
**LEGEND**

**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



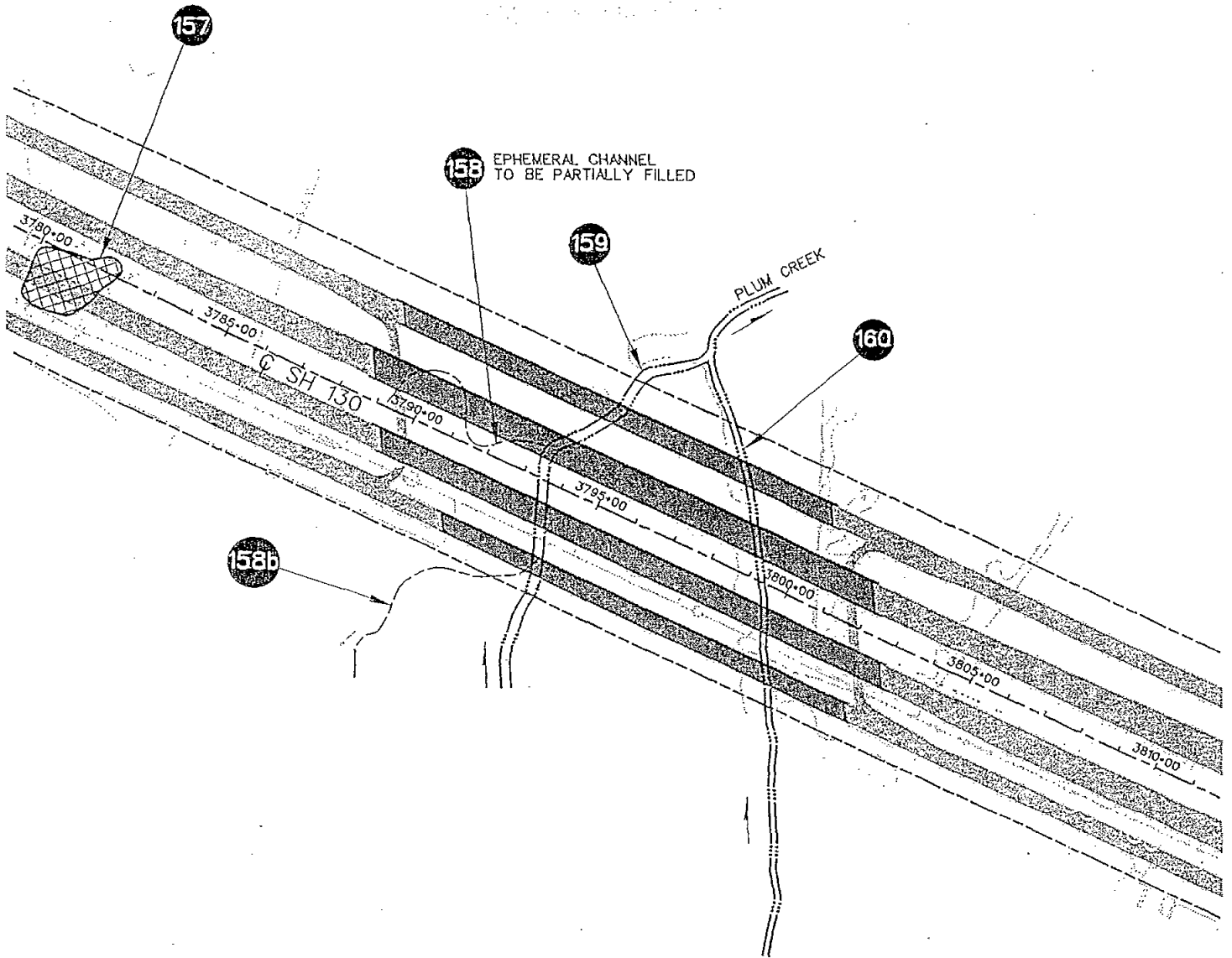
USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**  
PRELIMINARY - NOT FOR CONSTRUCTION

	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DAI 25 APR 02 SEGMENT *5 EXHIBIT 8 OF 9
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**JURISDICTIONAL DETERMINATION**

DATE: 04/24/2002



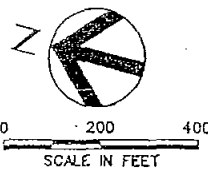
**LEGEND**

**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**

PRELIMINARY - NOT FOR CONSTRUCTION



HDR Engineering, Inc.  
TTA PROJECT OFFICE  
1421 Wells Branch Parkway Building 1,  
Suite 107, Pflugerville, Texas 78660

DATE  
25 APR 02  
SEGMENT \*5  
EXHIBIT  
9 OF 9

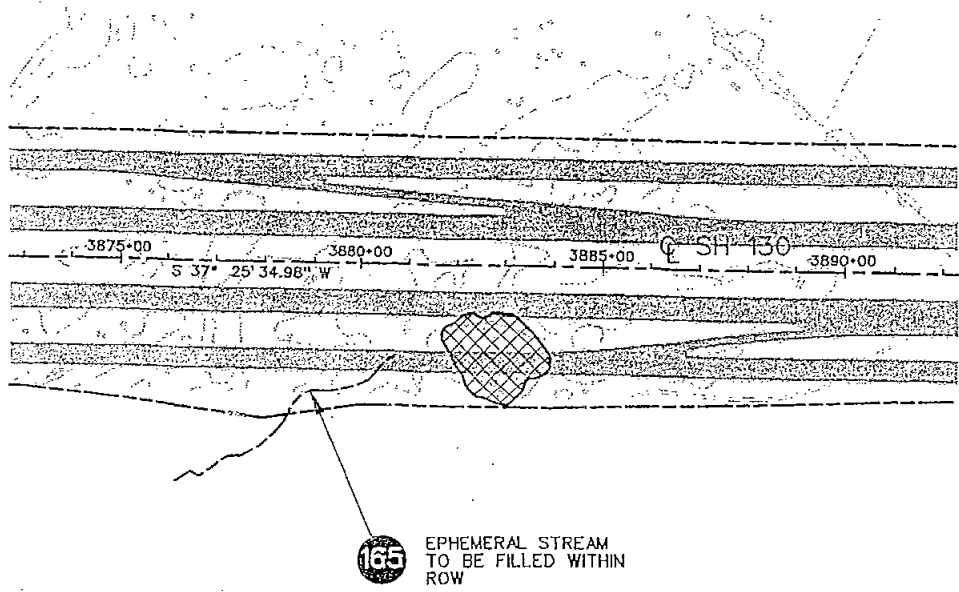
**JURISDICTIONAL DETERMINATION**



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Texas Turnpike Authority Division

DATE: 04/24/02





165 EPHEMERAL STREAM TO BE FILLED WITHIN ROW

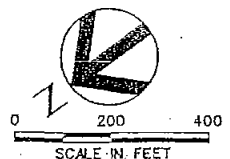
**LEGEND**

**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



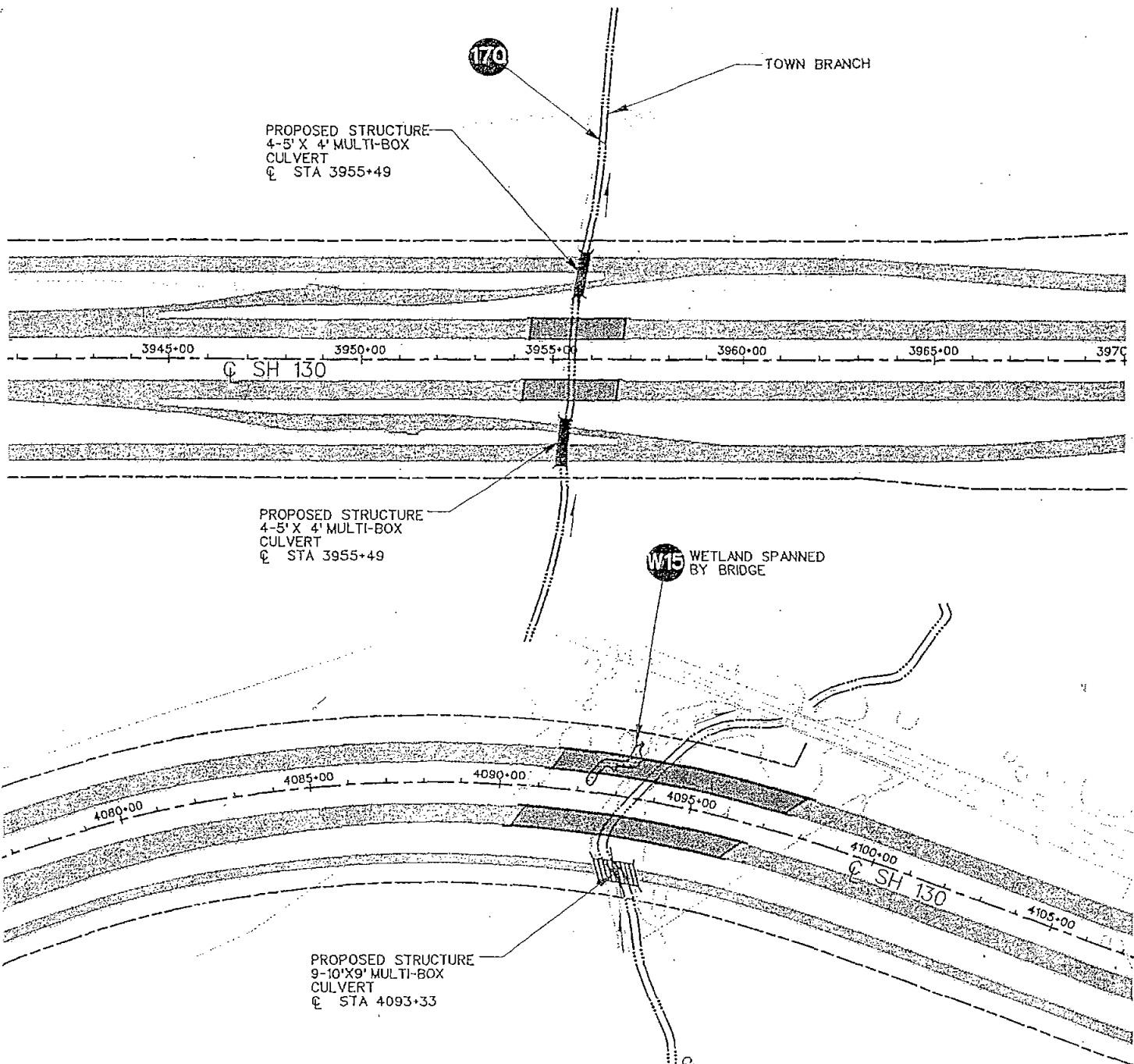
USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**  
PRELIMINARY - NOT FOR CONSTRUCTION

	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	D, 25 APR 2002
	SEGMENT *6 EXHIBIT 1 OF 18	

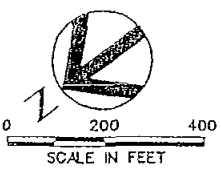
**JURISDICTIONAL DETERMINATION**

DATE: 04/24/2002



**LEGEND**

- WATERS OF THE U.S.**
- INTERMITTENT/PERENNIAL STREAM > 10'
  - INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
  - EPHEMERAL STREAMS
  - WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
  - WETLANDS
- NON-JURISDICTIONAL FEATURES**
- PROPOSED ROW
  - PROPOSED CHANNEL REALIGNMENT
  - DIRECTIONAL FLOW ARROW
  - PROPOSED BOX CULVERT
  - PROPOSED PIPE CULVERT
  - PROPOSED BRIDGE
  - NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



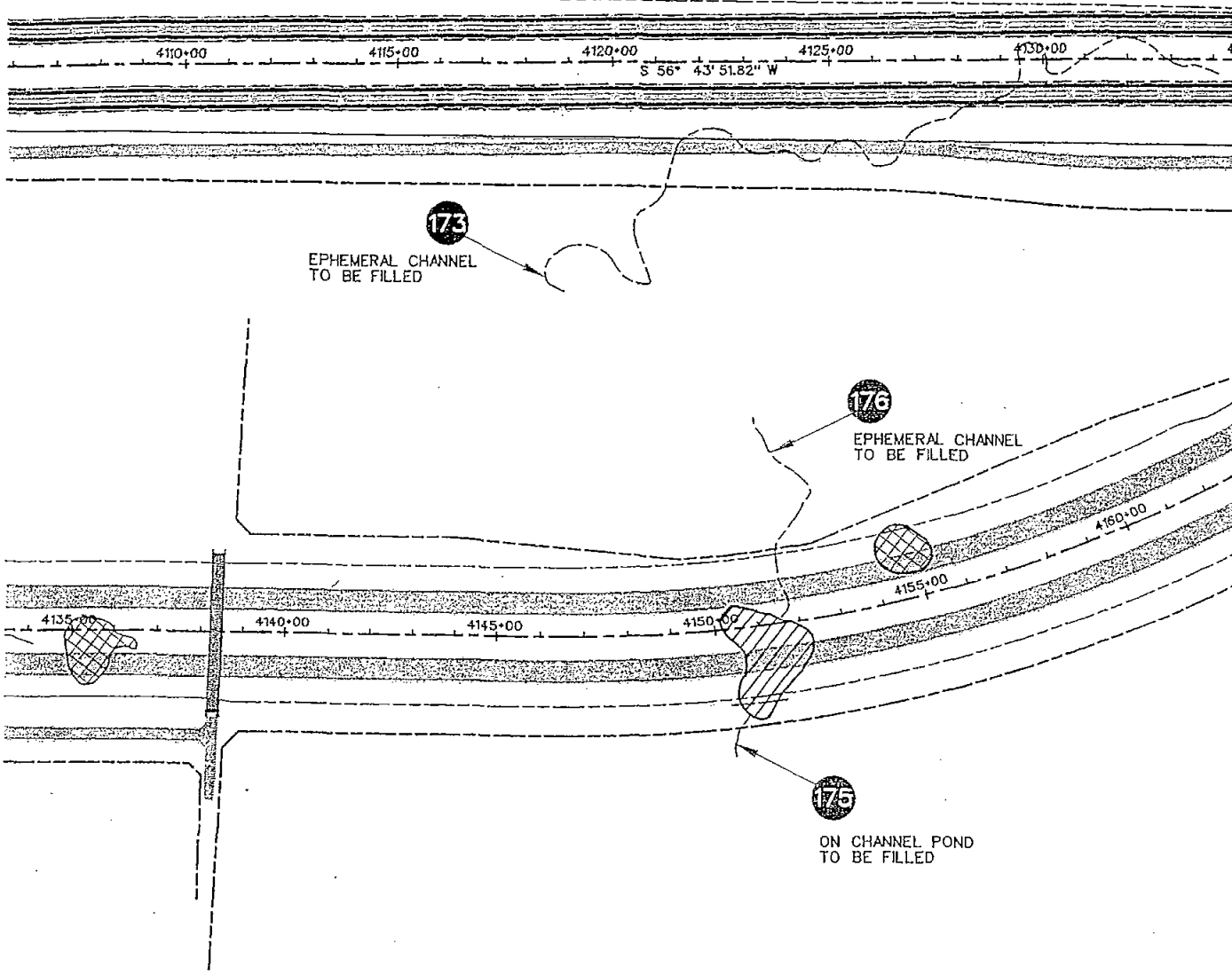
USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
**(GEORGETOWN TO SEGUIN)**  
 PRELIMINARY - NOT FOR CONSTRUCTION

<b>HDR</b>	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78650	DATE 25 APR 02
		SEGMENT *6 EXHIBIT 2 OF 18

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**LEGEND**

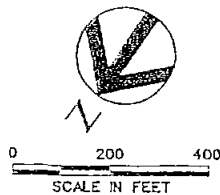
**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE

NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



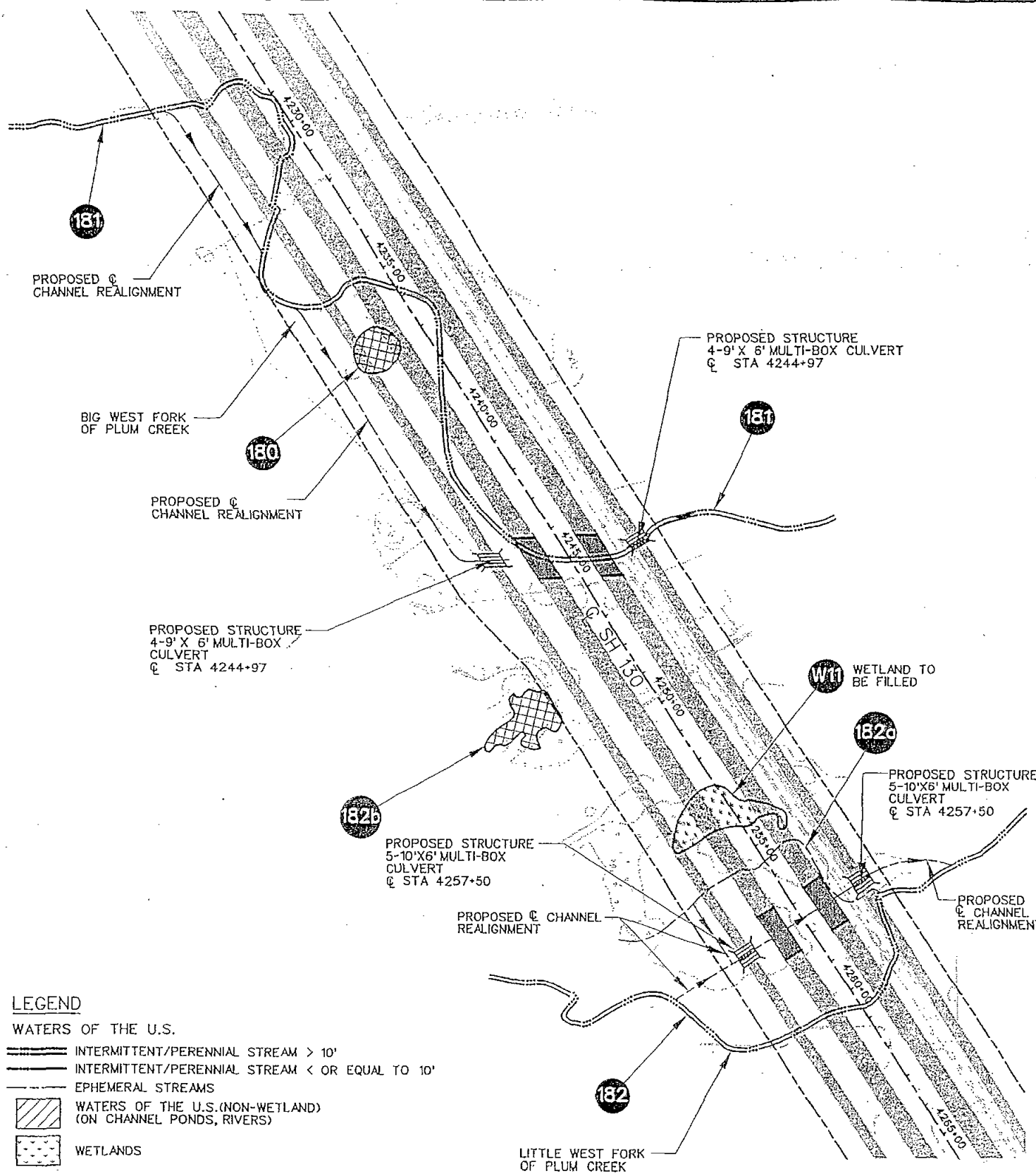
USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
**(GEORGETOWN TO SEGUIN)**  
 PRELIMINARY - NOT FOR CONSTRUCTION

<b>HDR</b>	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DATE: 25 APR 02
		SEGMENT #6 EXHIBIT 3 OF 18

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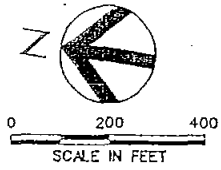
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- WETLANDS

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- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130 (GEORGETOWN TO SEGUIN)**

PRELIMINARY - NOT FOR CONSTRUCTION

	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Weils Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DATE 25 APR 02
		SEGMENT *6 EXHIBIT 4 OF 18

**JURISDICTIONAL DETERMINATION**

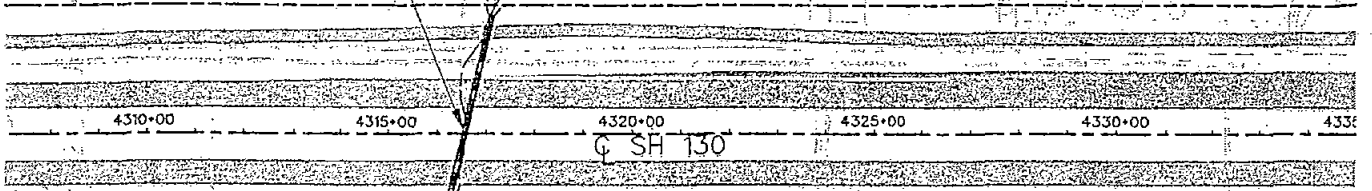
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PROPOSED STRUCTURE  
1-60" REINFORCED  
CONCRETE PIPE  
@ STA 4316+54

TRIBUTARY TO  
CALLIHAN CREEK

183a



183

PROPOSED STRUCTURE  
1-60" REINFORCED  
CONCRETE PIPE  
@ STA 4370+99

PROPOSED STRUCTURE  
1-60" REINFORCED  
CONCRETE PIPE  
@ STA 4373+77

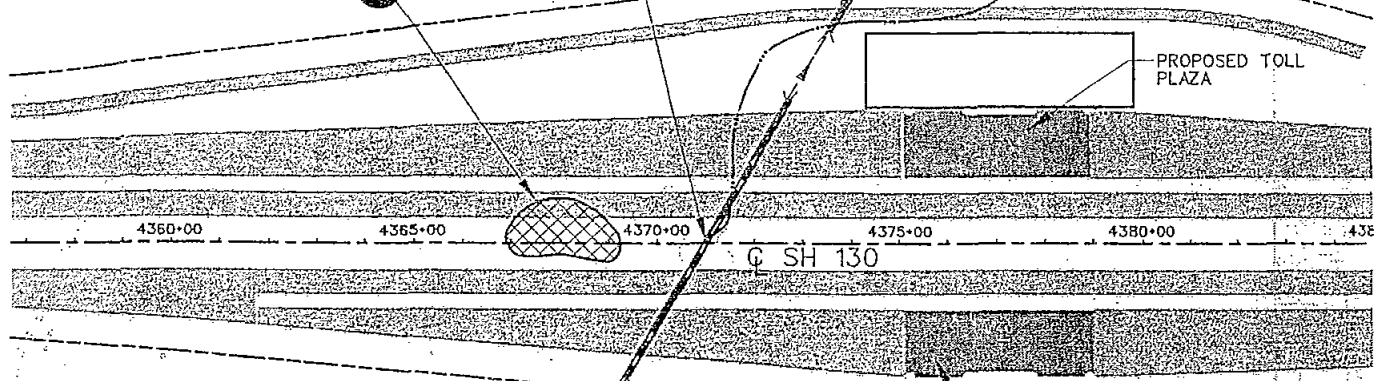
PROPOSED @  
CHANNEL  
REALIGNMENT

CALLIHAN CREEK

184

185

PROPOSED TOLL  
PLAZA



PROPOSED TOLL  
PLAZA

**LEGEND**

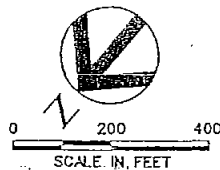
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(ON CHANNEL PONDS, RIVERS)
- WETLANDS

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- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
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- PROPOSED PIPE CULVERT
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- NON-JURISDICTIONAL WATER FEATURES  
(UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**

PRELIMINARY - NOT FOR CONSTRUCTION



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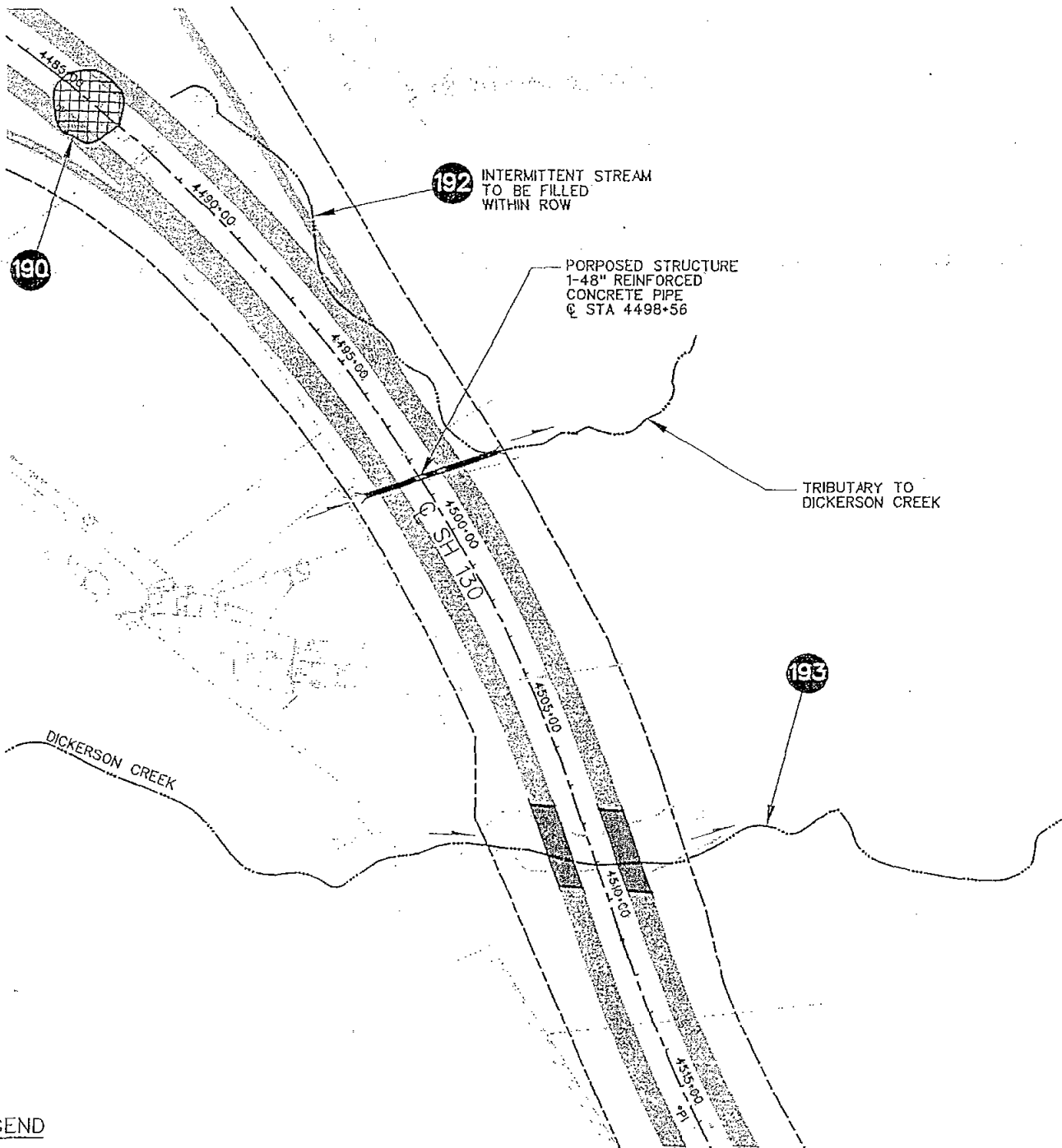
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**JURISDICTIONAL DETERMINATION**



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192 INTERMITTENT STREAM TO BE FILLED WITHIN ROW

PROPOSED STRUCTURE  
1-48" REINFORCED  
CONCRETE PIPE  
@ STA 4498+56

TRIBUTARY TO  
DICKERSON CREEK

193

**LEGEND**

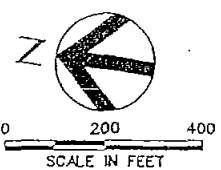
WATERS OF THE U.S.

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- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
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- WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
- WETLANDS

NON-JURISDICTIONAL FEATURES

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE

- NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)  
PRELIMINARY - NOT FOR CONSTRUCTION**

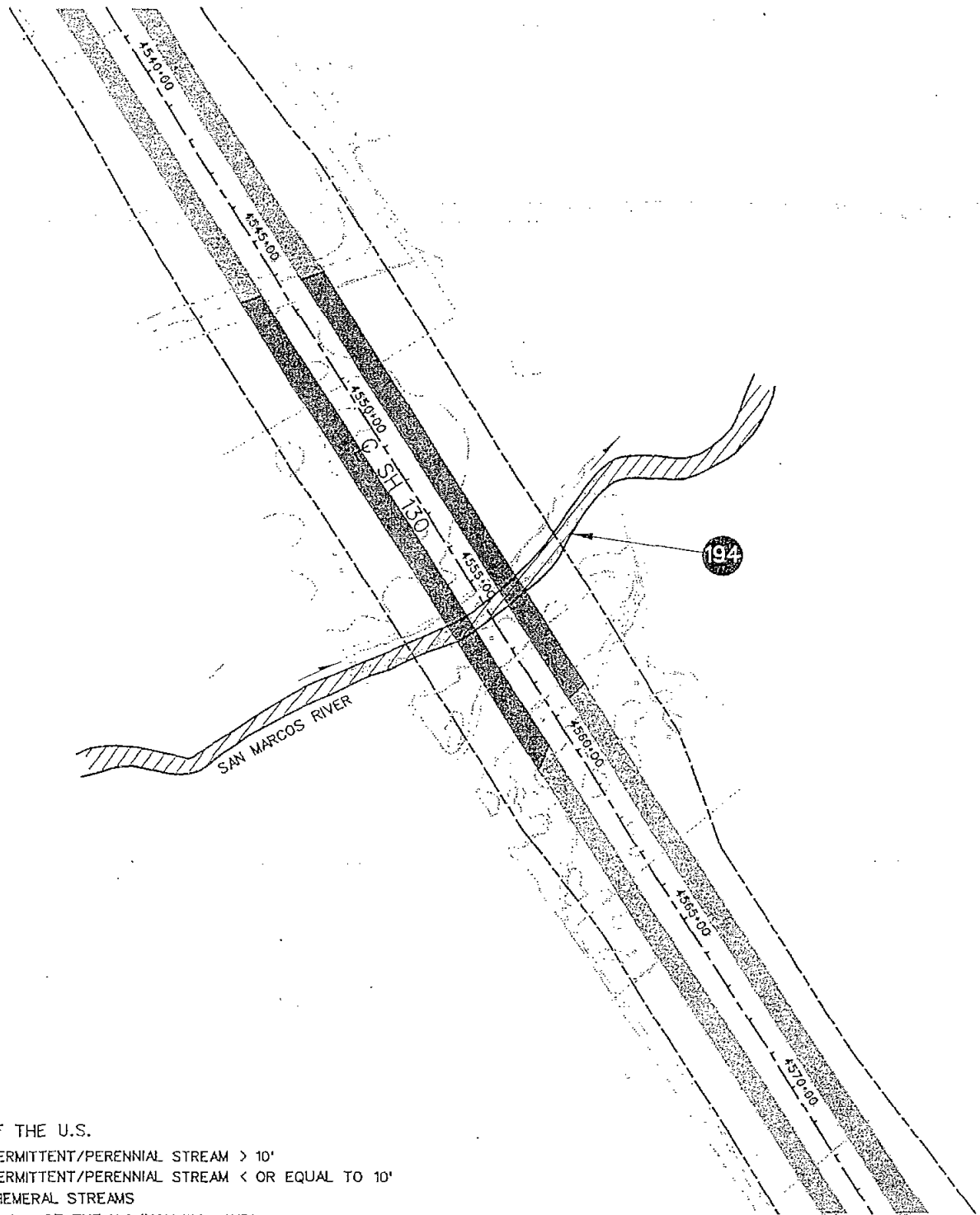
**HDR** HDR Engineering, Inc.  
JTA PROJECT OFFICE  
1421 Wells Branch Parkway Building 1,  
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25 APR 02  
SEGMENT \*6  
EXHIBIT  
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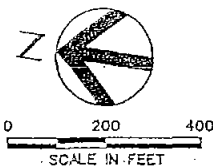
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**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
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- PROPOSED BRIDGE
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USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**

PRELIMINARY - NOT FOR CONSTRUCTION



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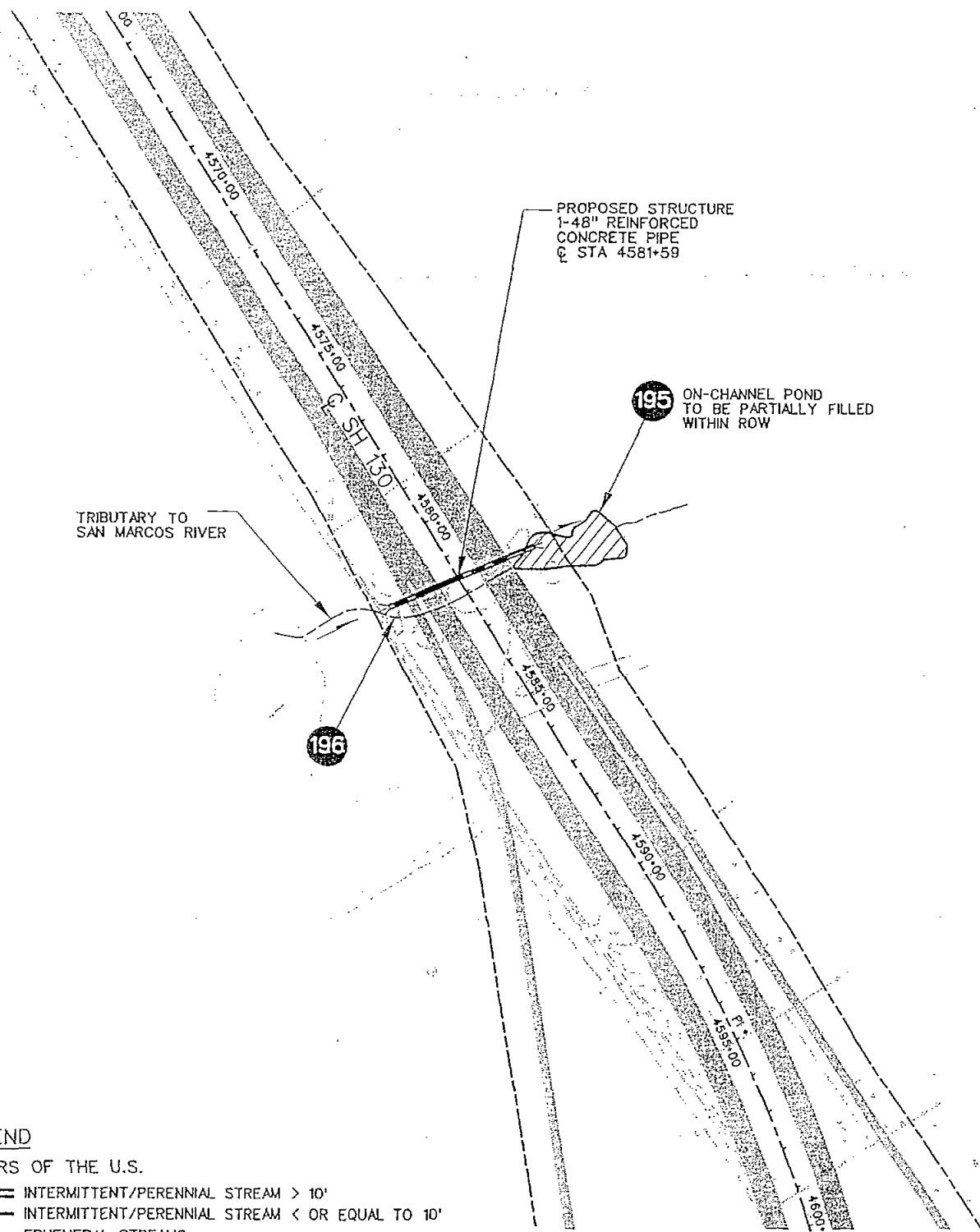
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25 APR 02  
SEGMENT #6  
EXHIBIT  
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PROPOSED STRUCTURE  
 1-48" REINFORCED  
 CONCRETE PIPE  
 @ STA 4581+59

195 ON-CHANNEL POND  
 TO BE PARTIALLY FILLED  
 WITHIN ROW

TRIBUTARY TO  
 SAN MARCOS RIVER

196

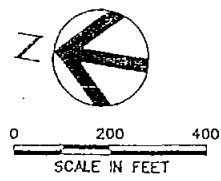
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(ON CHANNEL PONDS, RIVERS)
- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
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- PROPOSED PIPE CULVERT
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- NON-JURISDICTIONAL WATER FEATURES  
(UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
**(GEORGETOWN TO SEGUIN)**  
 PRELIMINARY - NOT FOR CONSTRUCTION

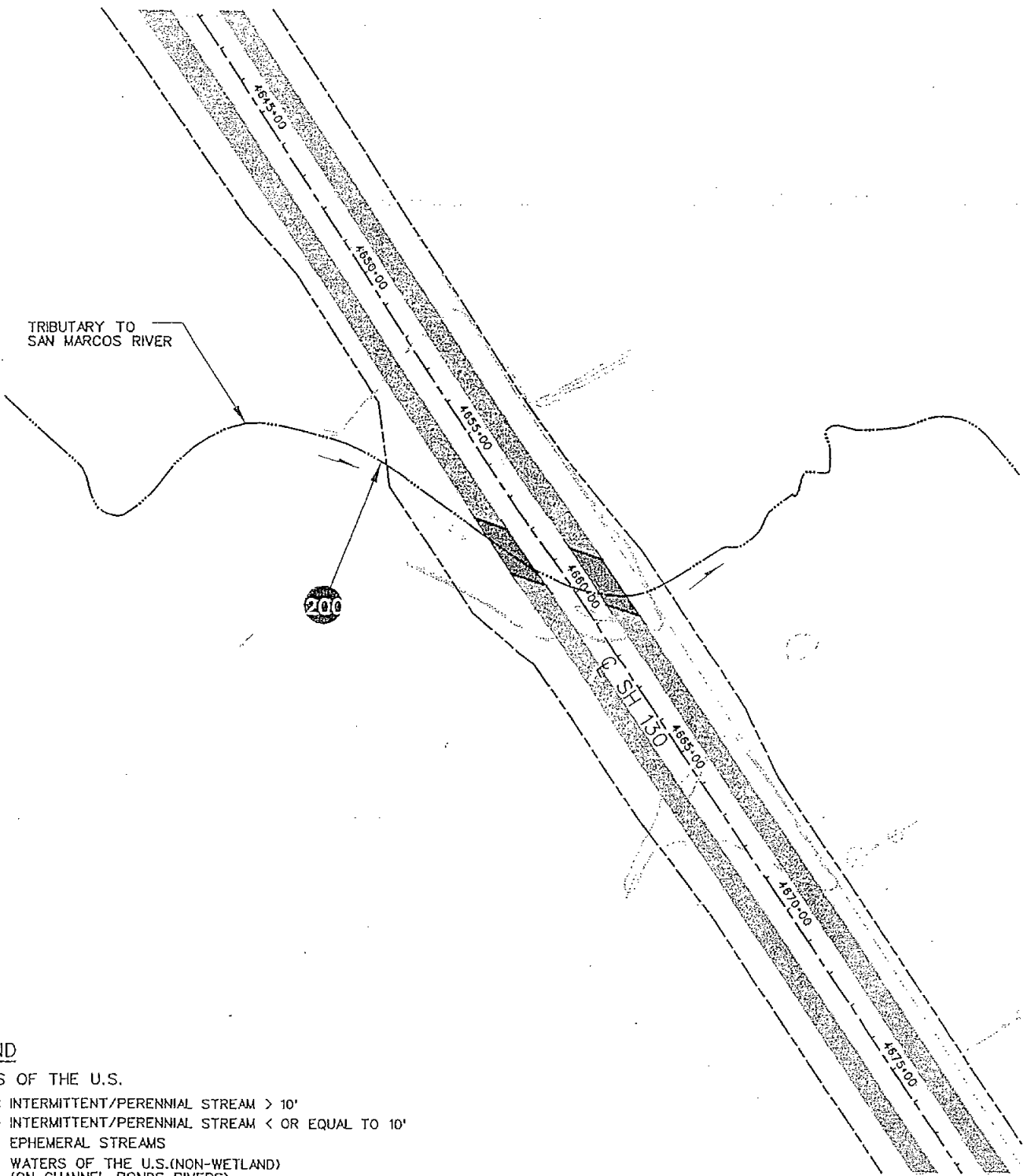
<b>HDR</b>	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DATE 25 APR 02
		SEGMENT *6 EXHIBIT 8 OF 18

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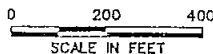
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**WATERS OF THE U.S.**

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- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
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- WATERS OF THE U.S.(NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**

PRELIMINARY - NOT FOR CONSTRUCTION



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1421 Wells Branch Parkway Building 1,  
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DATE:  
25 APR 02  
SEGMENT \*6  
EXHIBIT  
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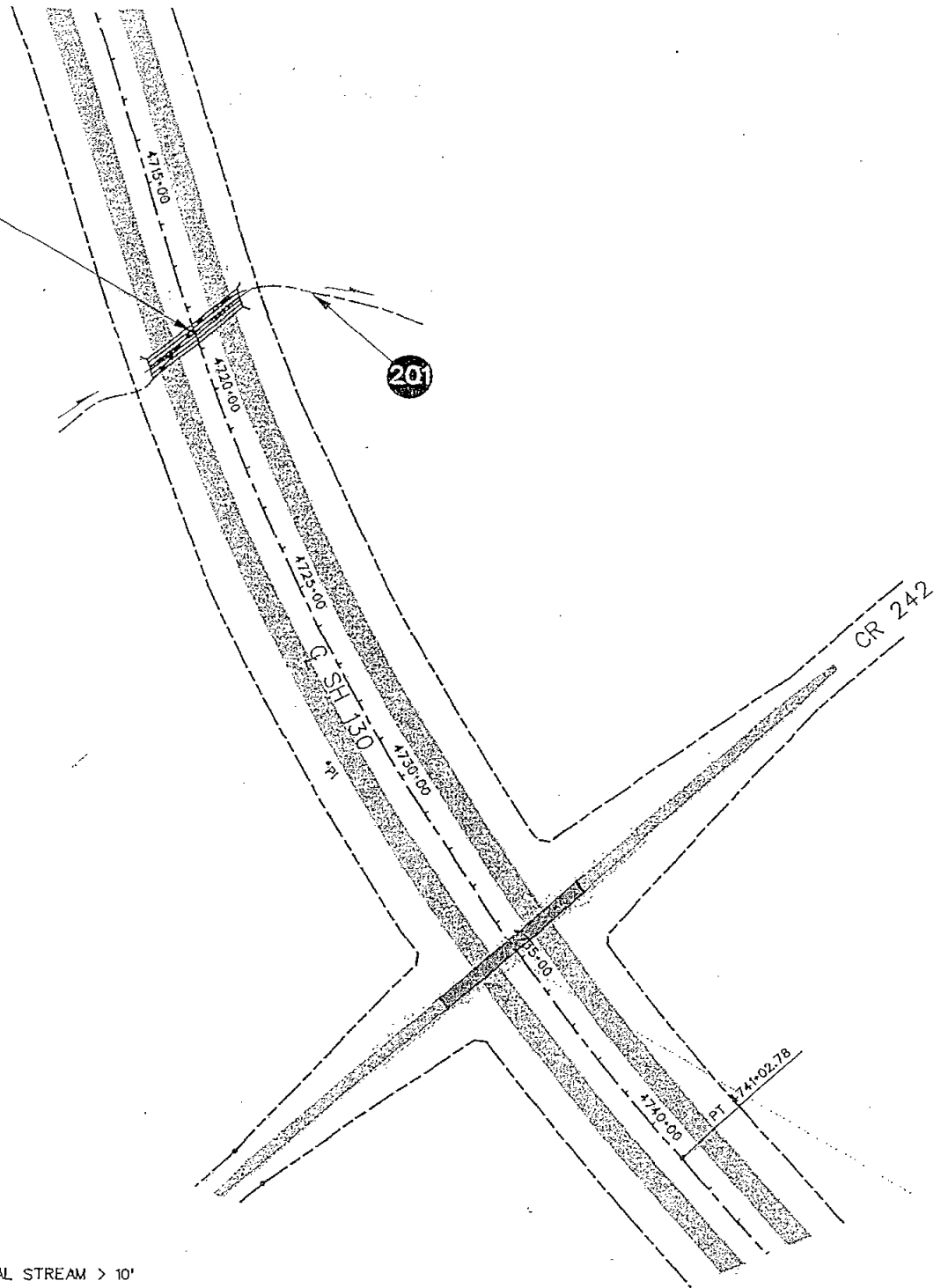
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DATE: 04/24/2002

PROPOSED STRUCTURE  
 5-8'X4' MULTI-BOX  
 CULVERT  
 @ STA 4718+62



**LEGEND**

**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS

WATERS OF THE U.S. (NON-WETLAND)  
 (ON CHANNEL PONDS, RIVERS)

WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE

NON-JURISDICTIONAL WATER FEATURES  
 (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



0 200 400  
 SCALE IN FEET

USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
 (GEORGETOWN TO SEGUIN)**

PRELIMINARY - NOT FOR CONSTRUCTION



HDR Engineering, Inc.  
 TTA PROJECT OFFICE  
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 Suite 107, Pflugerville, Texas 78660

DATE 25 APR 02
SEGMENT *6 EXHIBIT 10 OF 18

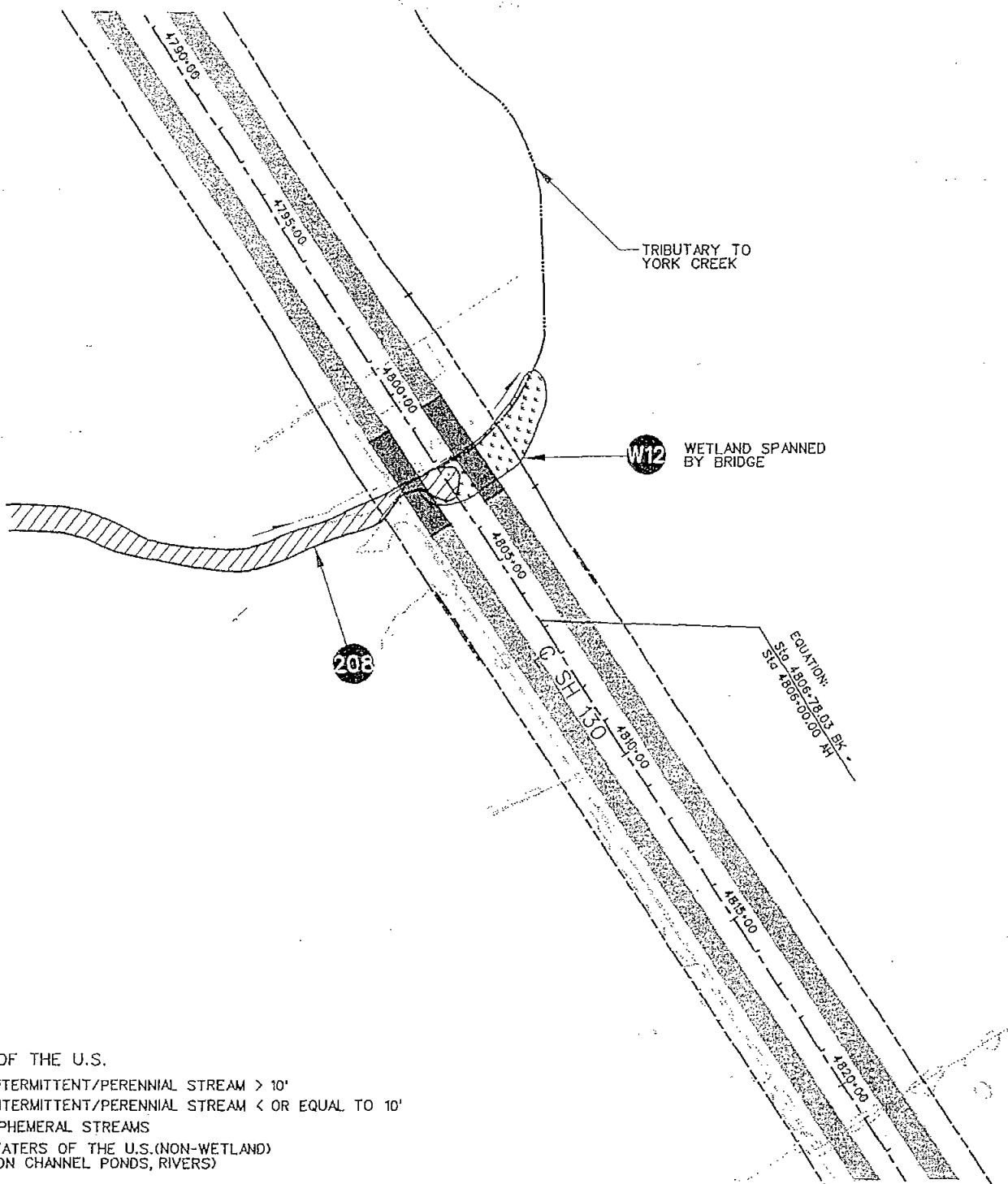
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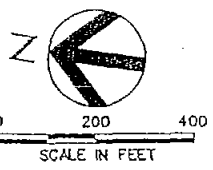
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**WATERS OF THE U.S.**

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**NON-JURISDICTIONAL FEATURES**

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USACE PROJECT NO. 1996-00228  
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**(GEORGETOWN TO SEGUIN)**  
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<b>HDR</b>	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DATE 25 APR 02
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PROPOSED STRUCTURE  
 1-54" REINFORCED  
 CONCRETE PIPE  
 @ STA 4867+00

PROPOSED STRUCTURE  
 1-60" REINFORCED  
 CONCRETE PIPE  
 @ STA 4887+96

PROPOSED  
 TOLL PLAZA

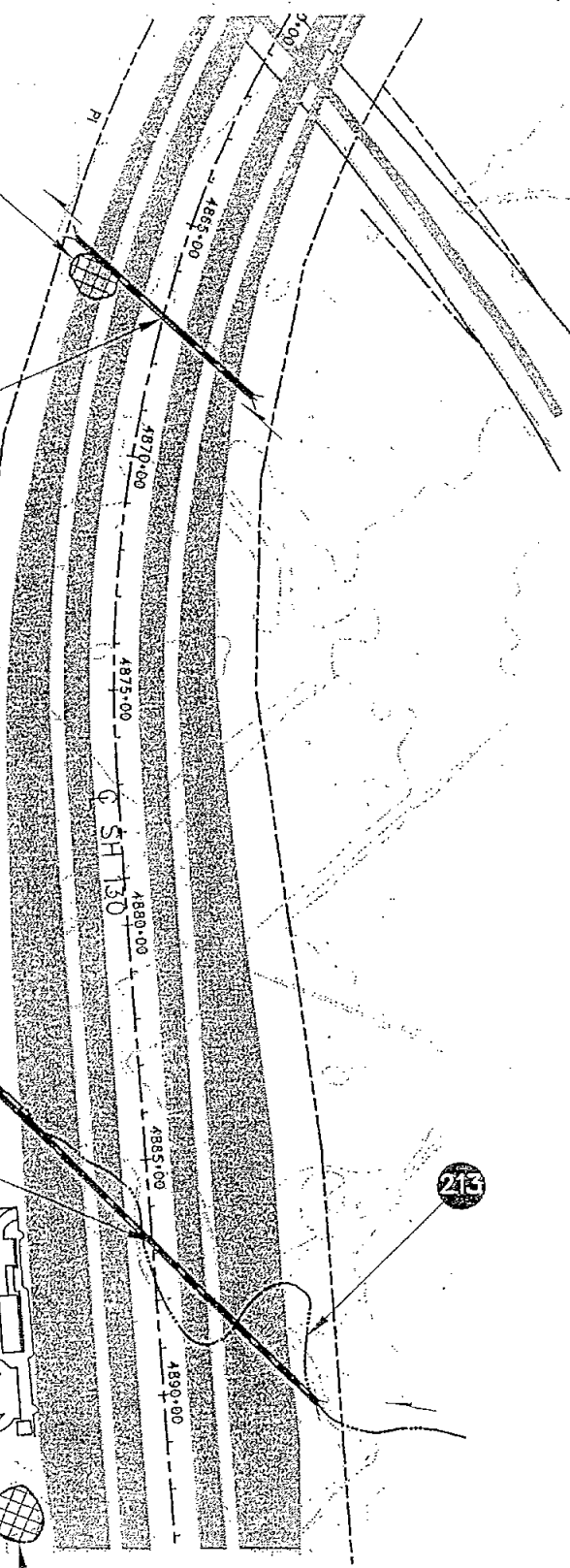
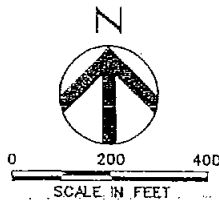
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**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



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**217** PROPOSED STATE HIGHWAY 130  
 (GEORGETOWN TO SEGUIN)  
 PRELIMINARY - NOT FOR CONSTRUCTION



HDR Engineering, Inc.  
 TTA PROJECT OFFICE  
 1421 Wells Branch Parkway Building 1,  
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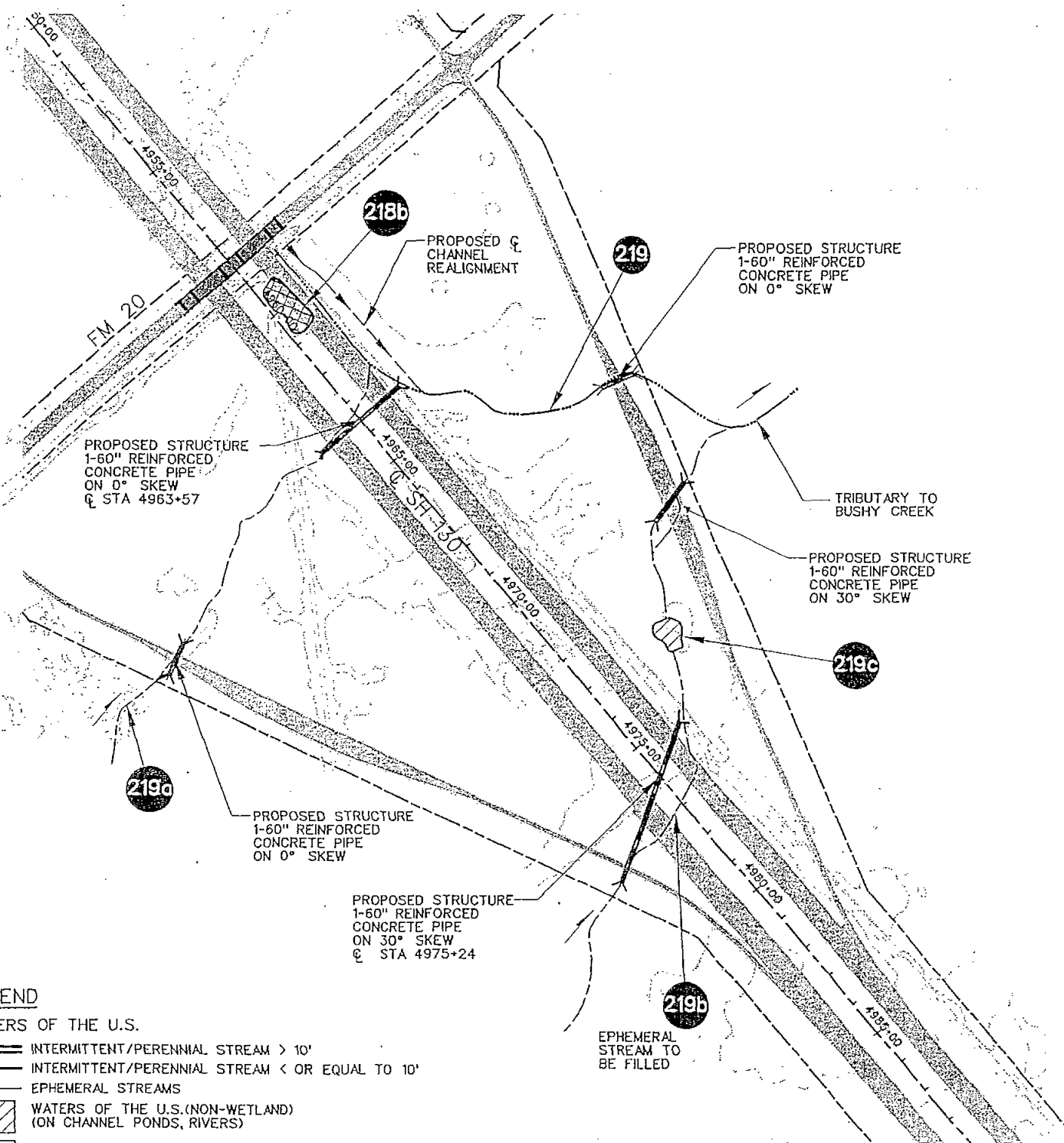
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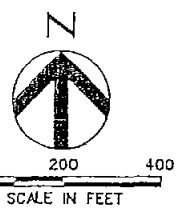
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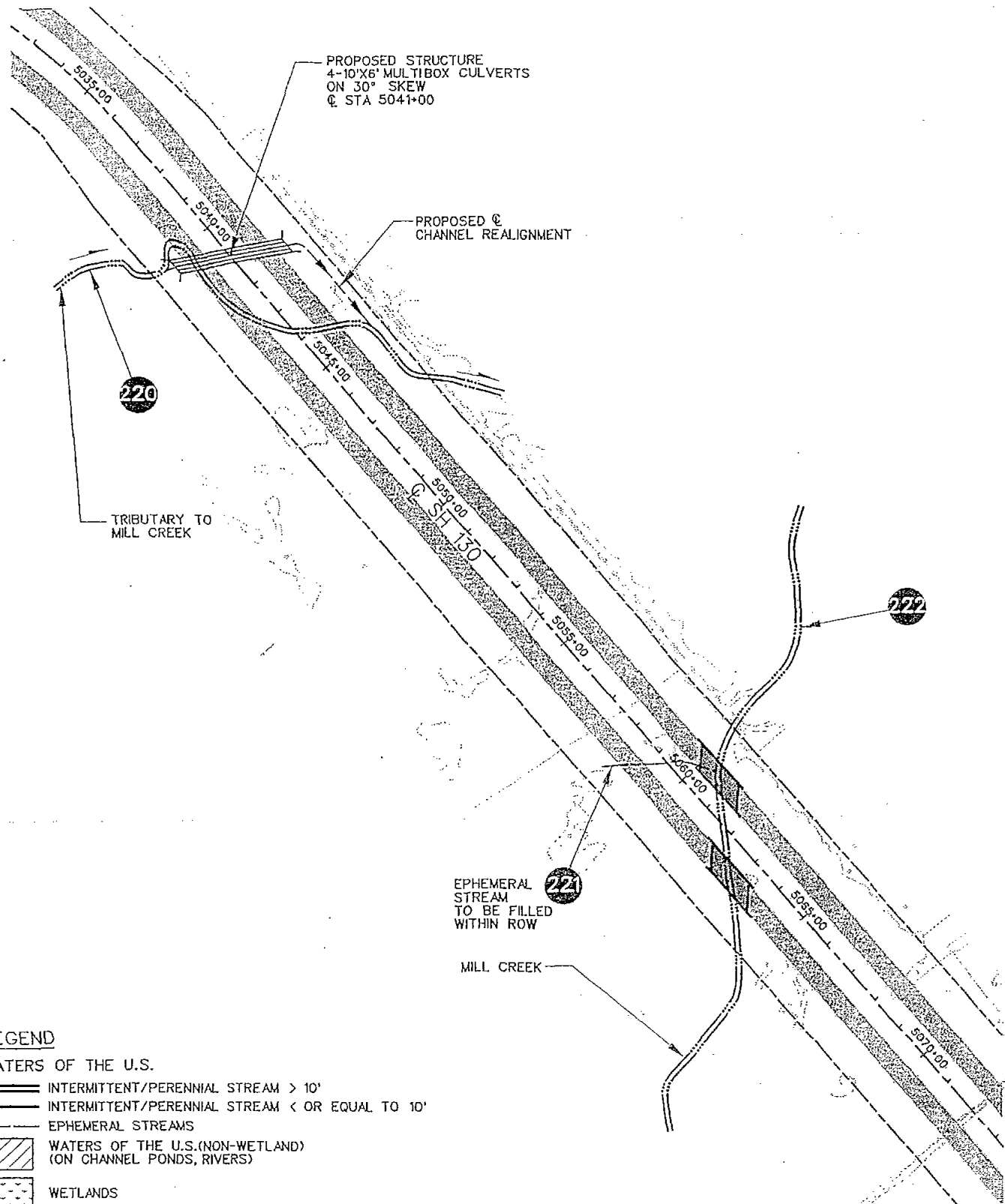
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**PROPOSED STATE HIGHWAY 130**  
**(GEORGETOWN TO SEGUIN)**  
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	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DATE 25 APR 02
		SEGMENT *6 EXHIBIT 14 OF 18

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**LEGEND**

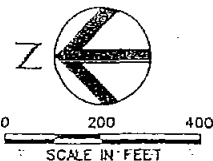
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USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**

PRELIMINARY - NOT FOR CONSTRUCTION



HDR Engineering, Inc.  
TTA PROJECT OFFICE  
1421 Wells Branch Parkway Building 1,  
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25 APR '02

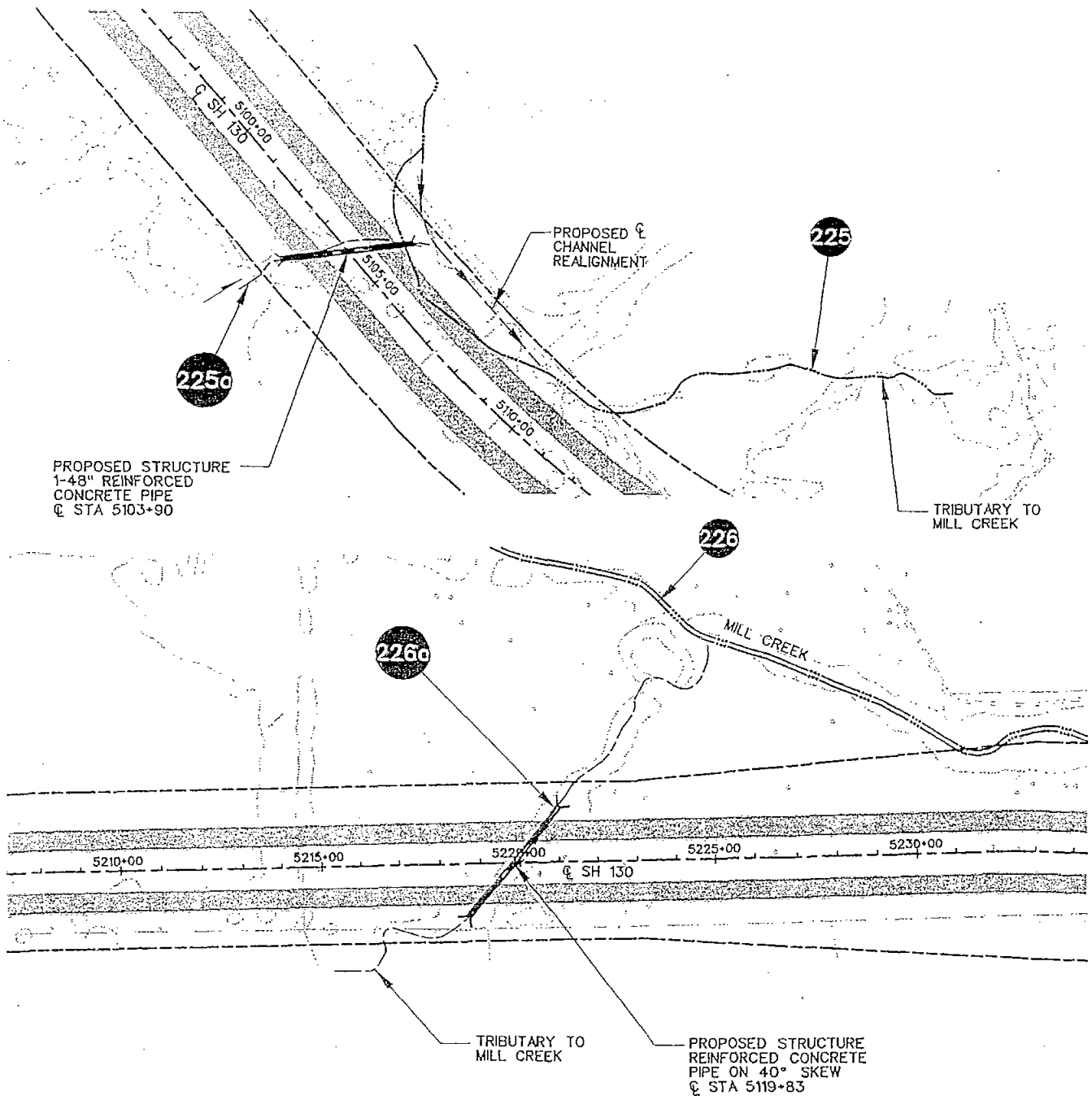
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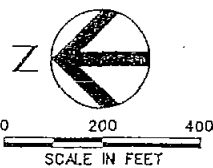
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USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
**(GEORGETOWN TO SEGUIN)**  
 PRELIMINARY - NOT FOR CONSTRUCTION

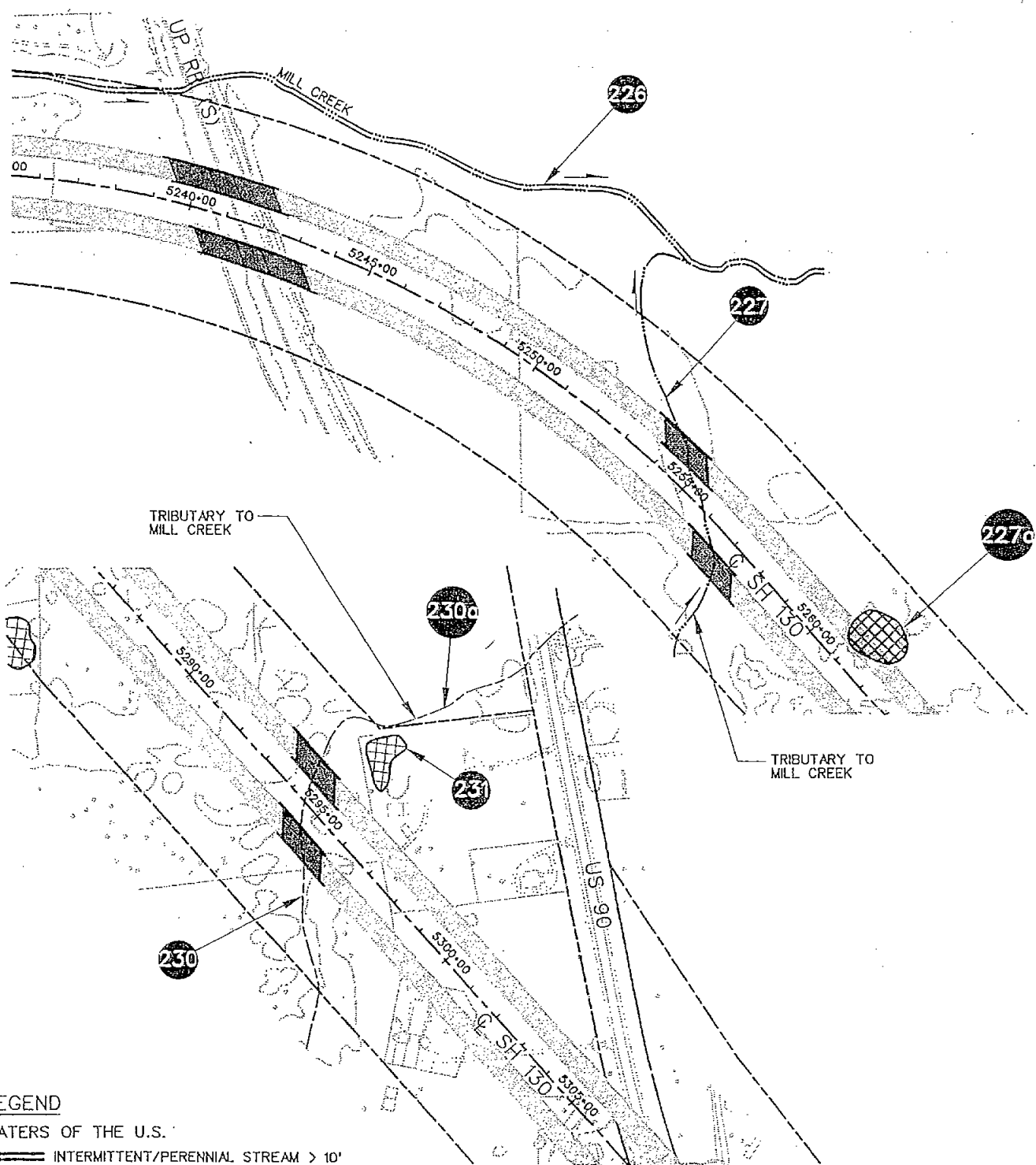
<b>HDR</b>	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DATE 25 APR 02
		SEGMENT *6 EXHIBIT 16 OF 18

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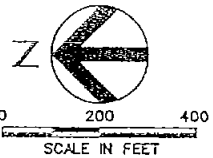
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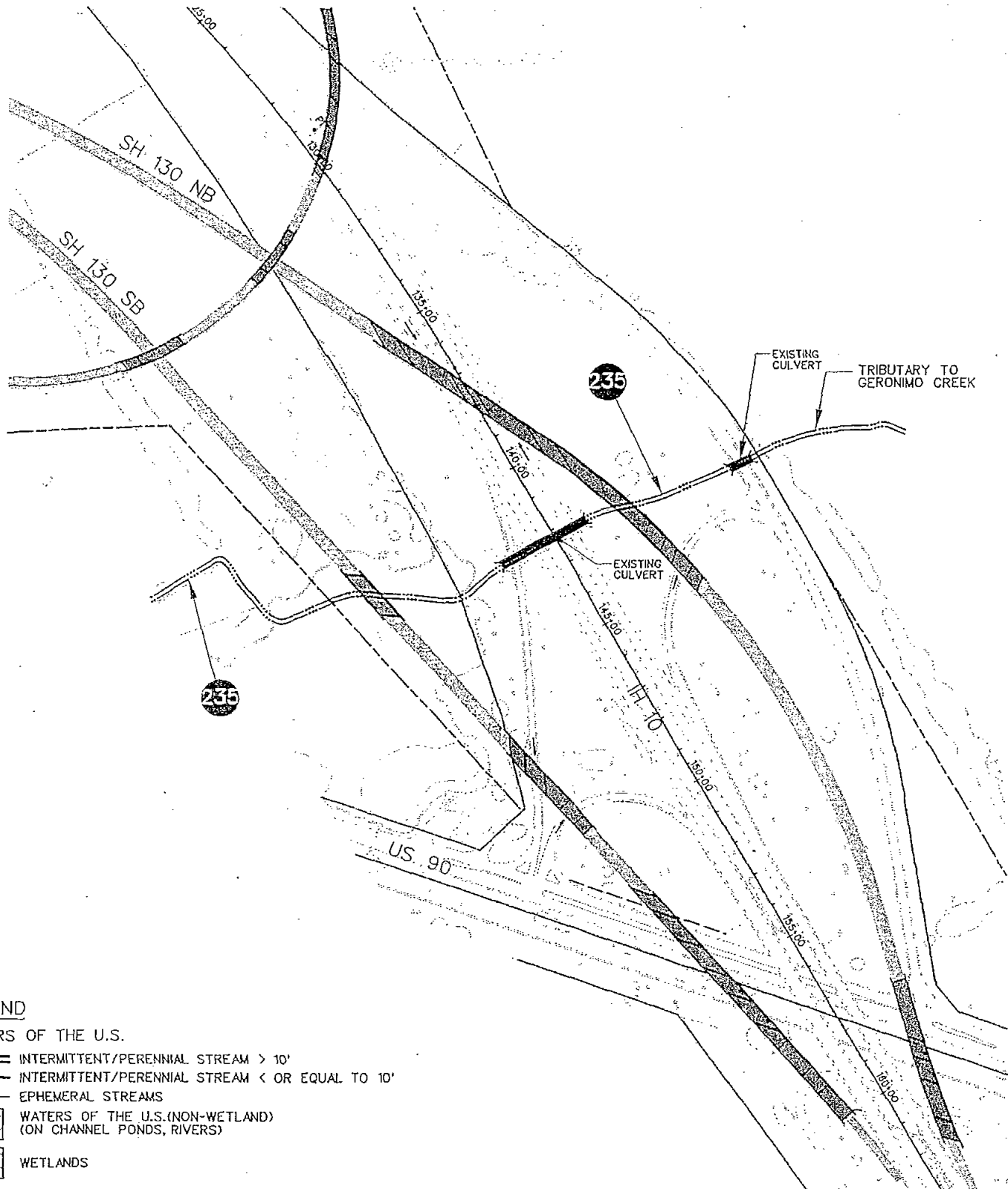
USACE PROJECT NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)  
PRELIMINARY - NOT FOR CONSTRUCTION**

<b>HDR</b>	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DATE: 25 APR 02
		SEGMENT #6 EXHIBIT 17 OF 18

**JURISDICTIONAL DETERMINATION**

DATE: 04/26/2002



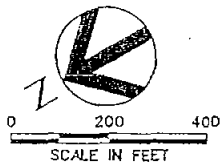
**LEGEND**

**WATERS OF THE U.S.**

- INTERMITTENT/PERENNIAL STREAM > 10'
- INTERMITTENT/PERENNIAL STREAM < OR EQUAL TO 10'
- EPHEMERAL STREAMS
- WATERS OF THE U.S. (NON-WETLAND) (ON CHANNEL PONDS, RIVERS)
- WETLANDS

**NON-JURISDICTIONAL FEATURES**

- PROPOSED ROW
- PROPOSED CHANNEL REALIGNMENT
- DIRECTIONAL FLOW ARROW
- PROPOSED BOX CULVERT
- PROPOSED PIPE CULVERT
- PROPOSED BRIDGE
- NON-JURISDICTIONAL WATER FEATURES (UPLAND PONDS, DRAINAGE DITCHES, ETC.)



USACE PROJECT NO. 1996-00228

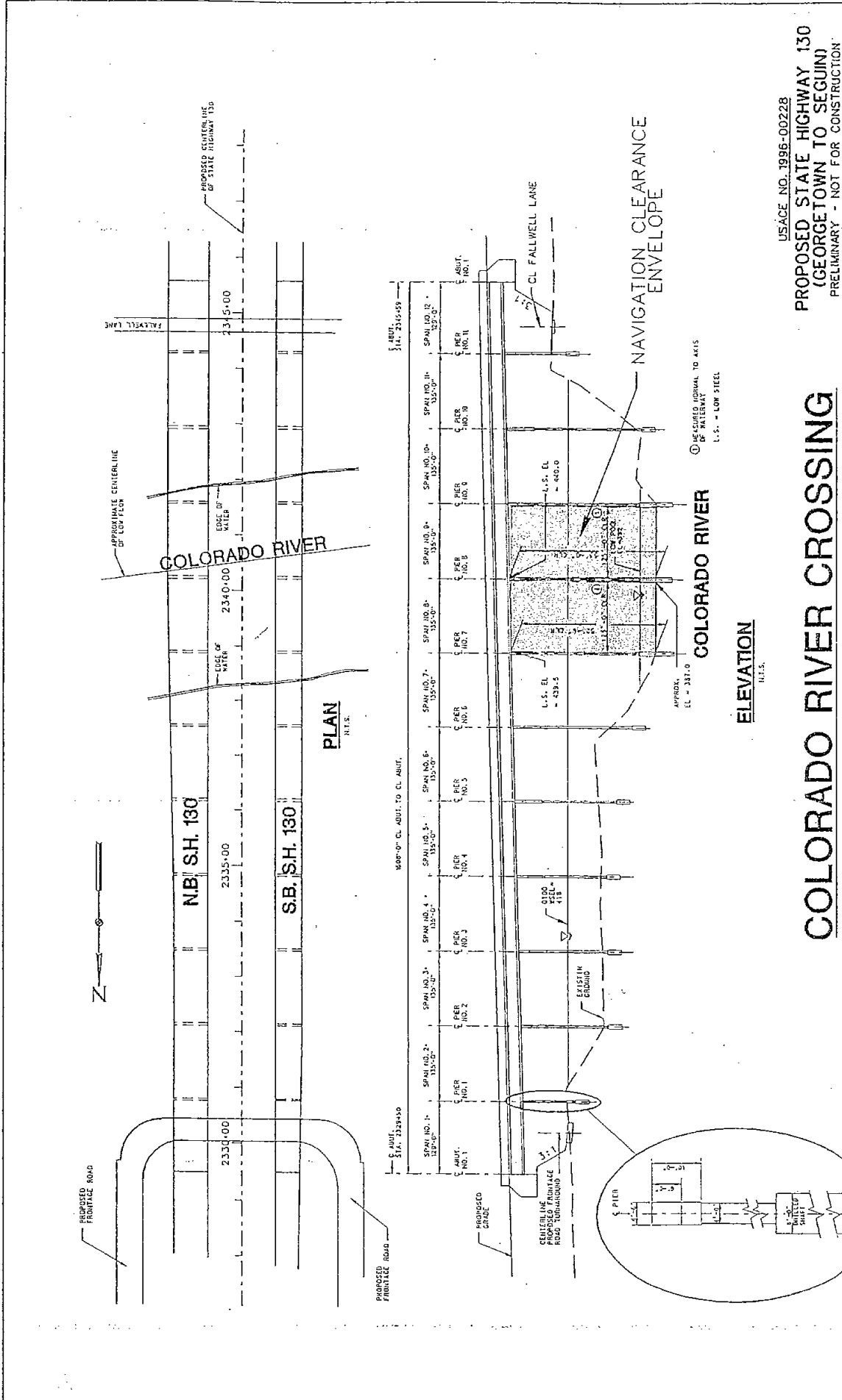
**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)  
PRELIMINARY - NOT FOR CONSTRUCTION**

<b>HDR</b>	HDR Engineering, Inc. TTA PROJECT OFFICE 1421 Wells Branch Parkway Building 1, Suite 107, Pflugerville, Texas 78660	DATE 25 APR 02
		SEGMENT *6 EXHIBIT 18 OF 18

**JURISDICTIONAL DETERMINATION**

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Texas Turnpike Authority Division

DATE: 04/24/02



USACE NO. 1996-00228

**PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)**  
PRELIMINARY - NOT FOR CONSTRUCTION

**HDR**  
HDR Engineering, Inc.  
174 PROJECT OFFICE  
1421 Wells Branch Parkway Building 1  
Suite 107, Pflugerville, Texas 78660

DATE: 30 APR 02  
EXHIBIT: 1 OF 1

Texas Department of Transportation  
Texas Turnpike Authority Division

**ELEVATION**  
N.T.S.

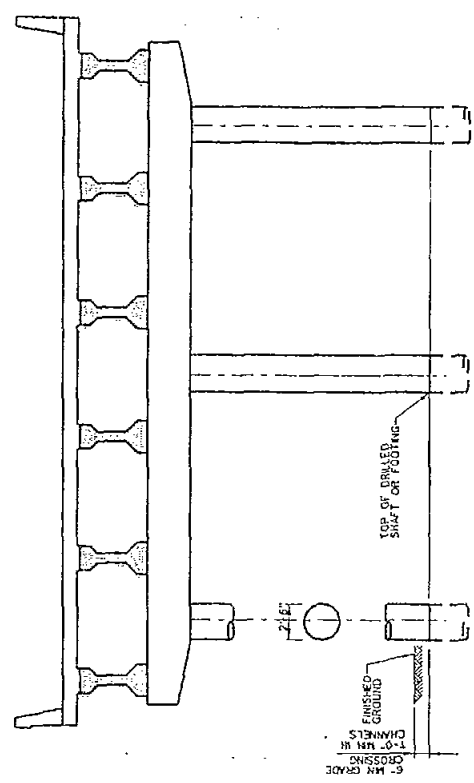
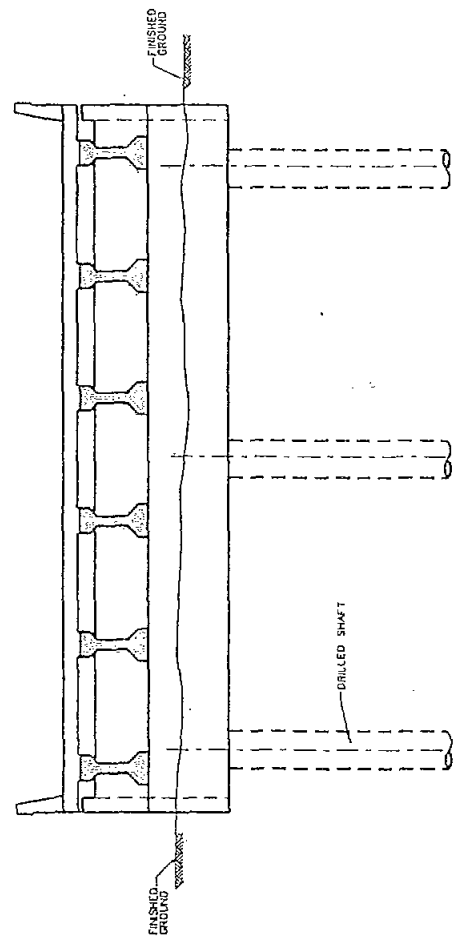
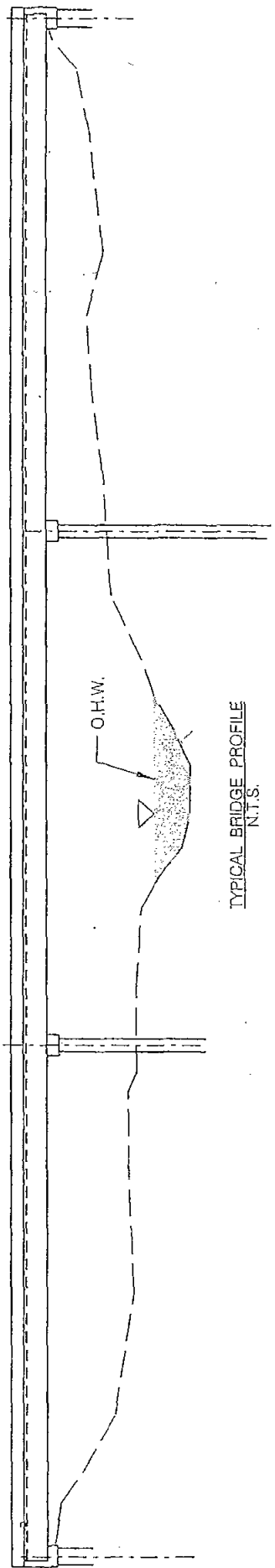
**COLORADO RIVER CROSSING**

**COLORADO RIVER TYPICAL SECTION**









ABUTMENT SECTION  
N.T.S.

3 COLUMN BENT  
N.T.S.

USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
**(GEORGETOWN TO SEGUIN)**  
 PRELIMINARY - NOT FOR CONSTRUCTION

**HDR** HDR Engineering, Inc.  
 T/A PROJECT OFFICE  
 1421 W. Loop Branch Parkway Building 1,  
 Suite 107, Pflugerville, Texas 78660

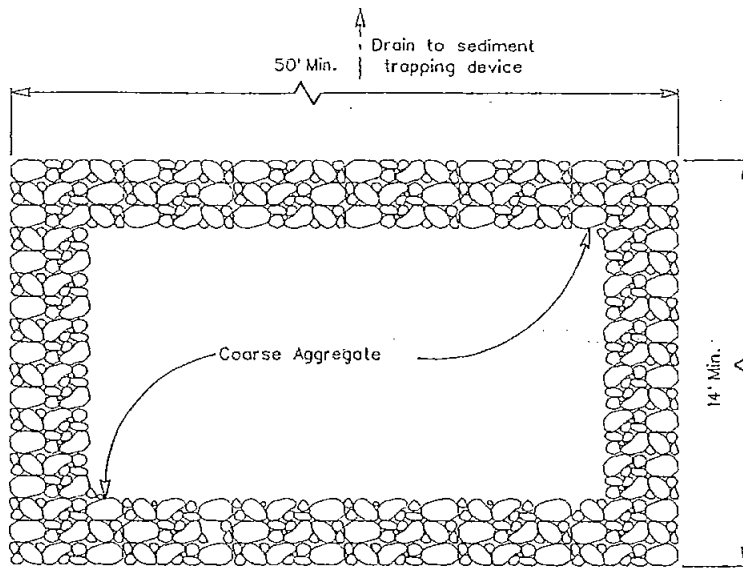
DATE  
 28 FEB 02  
 EXHIBIT  
 1 OF 1

**TxDOT** Texas Department of Transportation  
 Texas Turnpike Authority Division

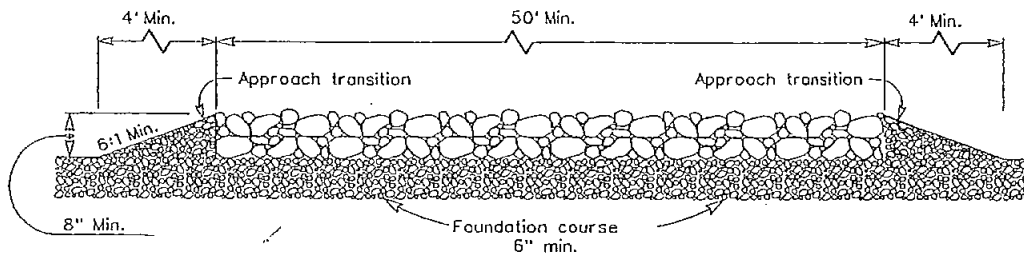
PRELIMINARY - NOT FOR CONSTRUCTION

BRIDGE TYPICAL SECTION

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PLAN

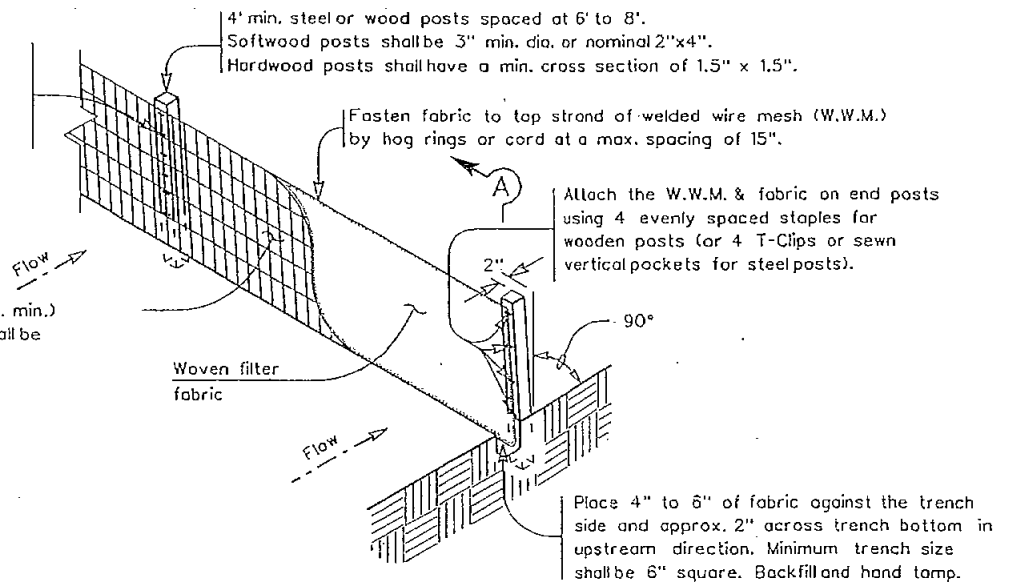


PROFILE

CONSTRUCTION EXIT (TYPE 1)

Connect the ends of successive reinforcement sheets or rolls a min. of 6 times with hog rings.

Galv. W.W.M. (12.5 Ga. min.) max. opening size shall be 2" x 4".



TEMPORARY SEDIMENT CONTROL FENCE

USACE PROJECT NO. 1996-00228

PROPOSED STATE HIGHWAY 130  
(GEORGETOWN TO SEGUIN)  
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DATE  
28 FEB 02

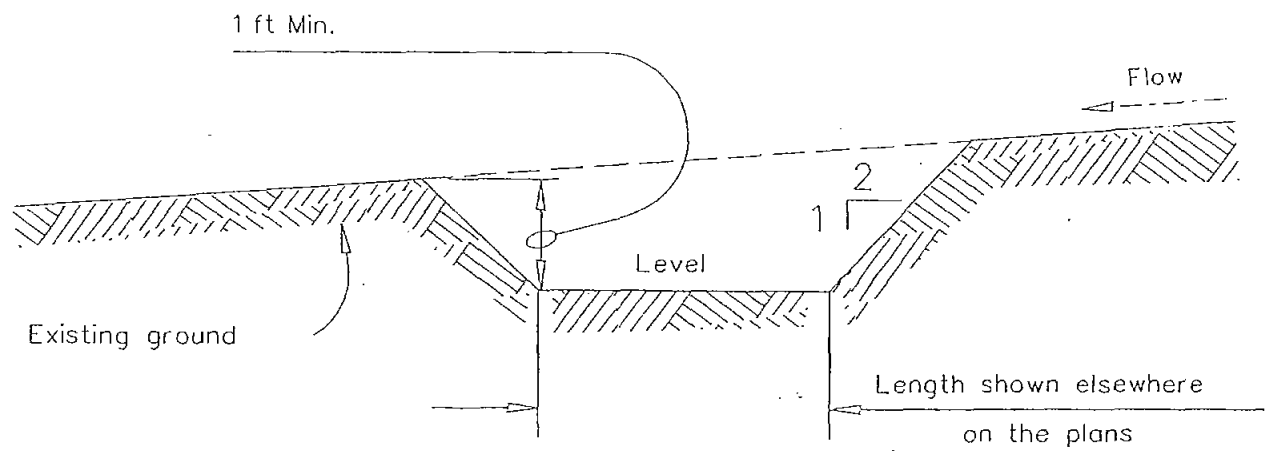
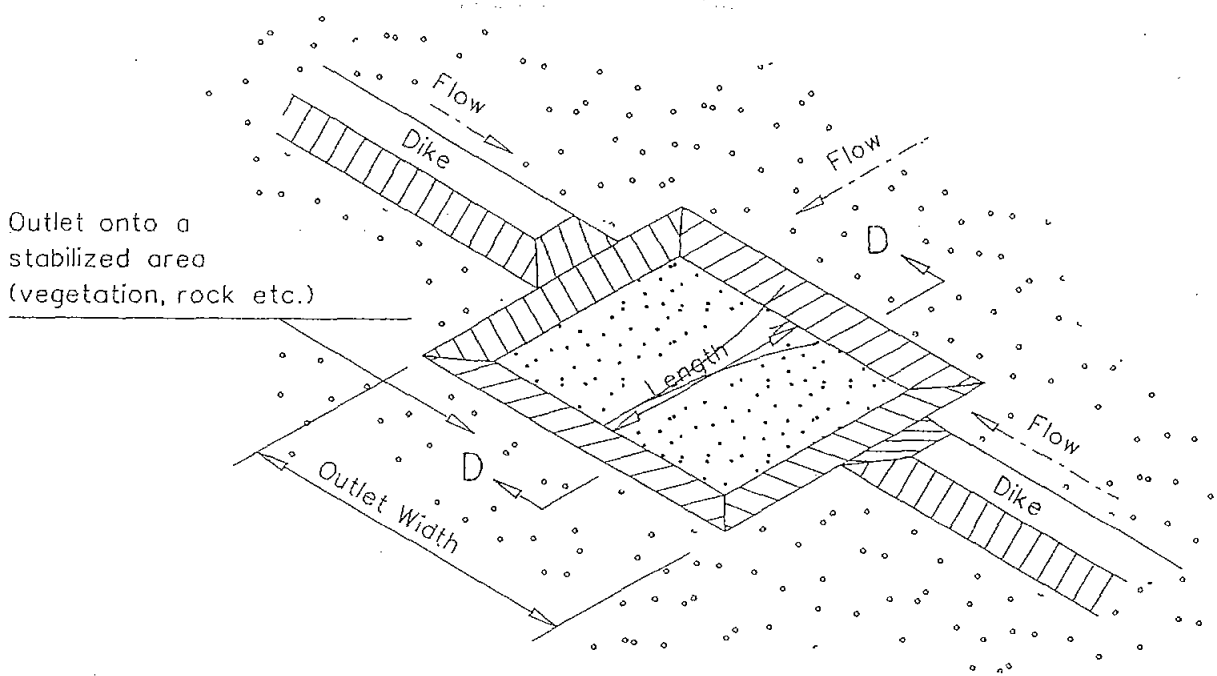
EXHIBIT  
1 OF 6

TEMPORARY CONSTRUCTION EXIT/ENTRANCE  
& TEMPORARY SEDIMENT CONTROL FENCE



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DATE: 02/27/2002



SECTION D-D

USACE PROJECT NO. 1996-00228  
 PROPOSED STATE HIGHWAY 130  
 - (GEORGETOWN TO SEGUIN)  
 PRELIMINARY - NOT FOR CONSTRUCTION

**SEDIMENT TRAP WITH LEVEL  
 STABILIZED OUTLET**



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 Suite 107, Pflugerville, Texas 78660

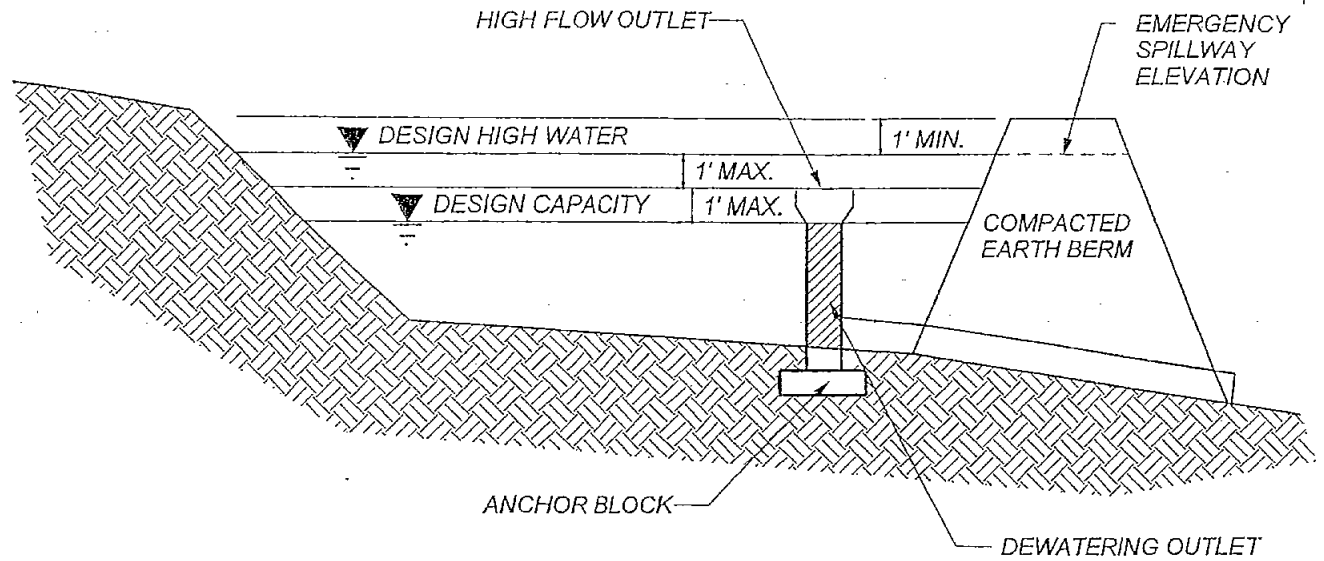
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 EXHIBIT  
 2 OF 6



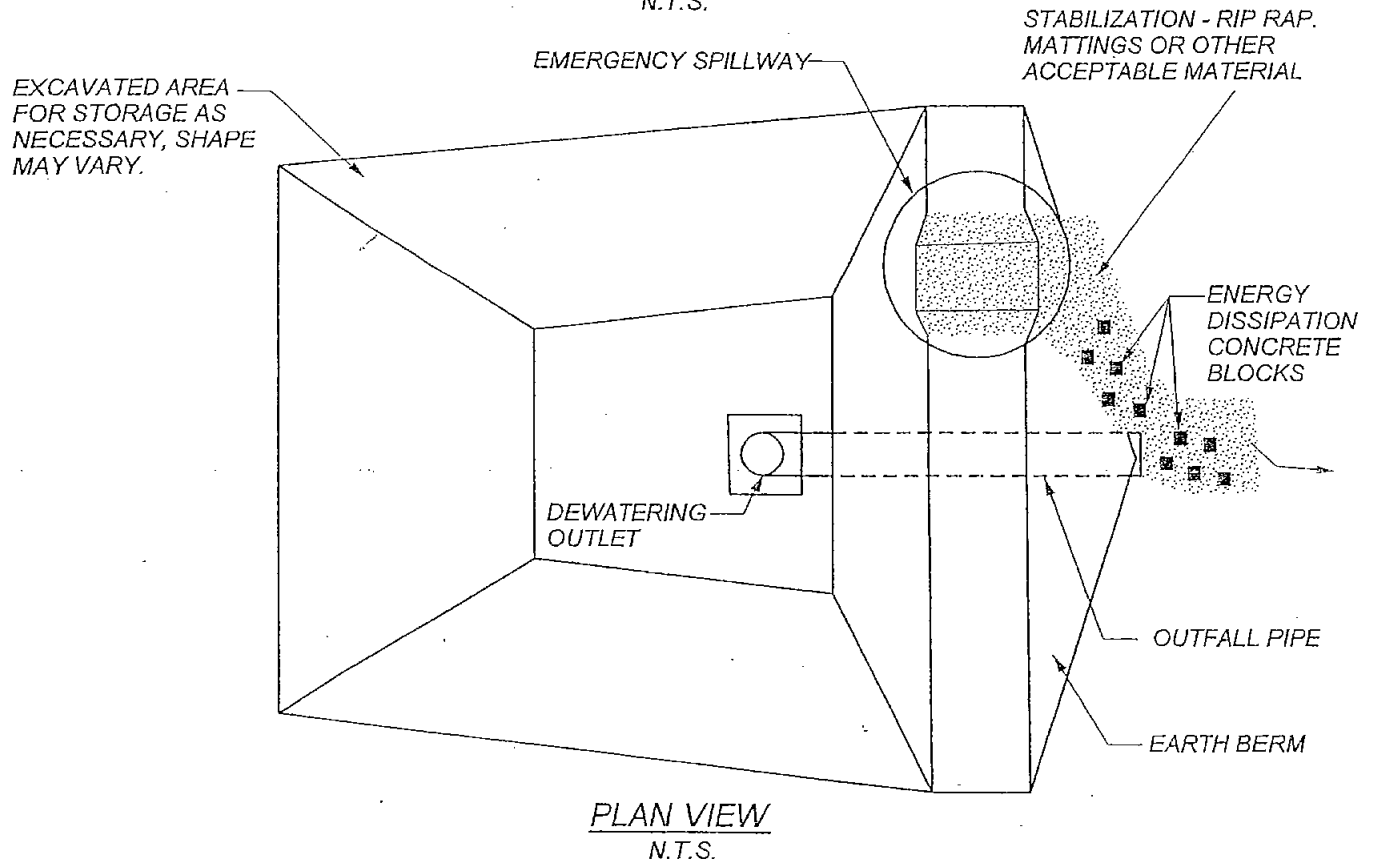
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DATE: 02/27/02





CROSS SECTION  
N.T.S.



PLAN VIEW  
N.T.S.

source: NCTCOG, 1993

USACE PROJECT NO. 1996-00228  
**PROPOSED STATE HIGHWAY 130**  
**(GEORGETOWN TO SEGUIN)**  
 PRELIMINARY - NOT FOR CONSTRUCTION

**TEMPORARY SEDIMENT BASSIN**



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 Suite 107, Pflugerville, Texas 78660

DATE  
28 FEB 02

EXHIBIT  
3 OF 6

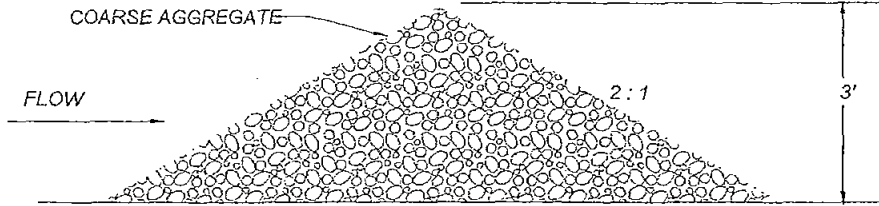
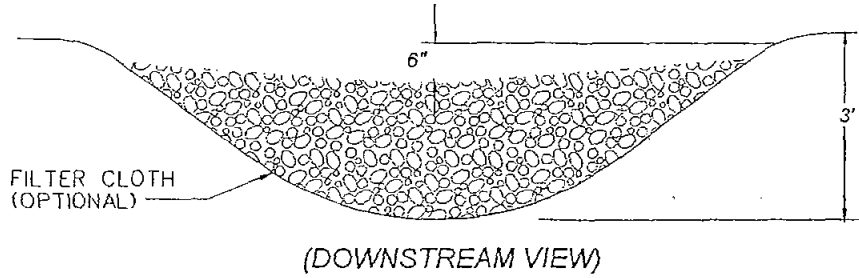


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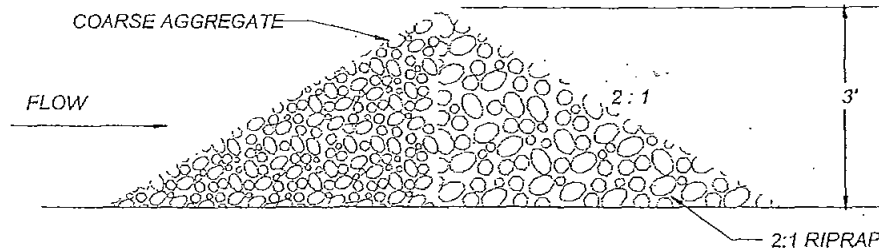
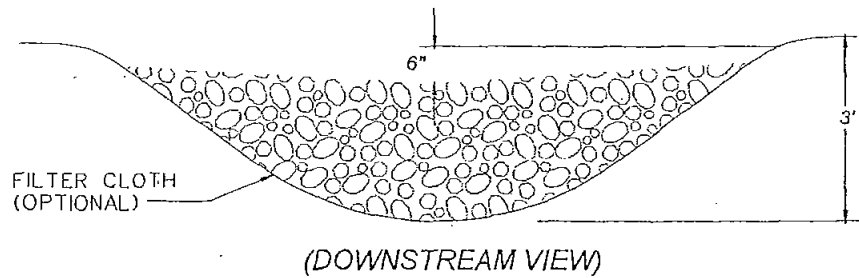
Texas Department of Transportation  
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DATE: 02/27/2002

2 ACRES OR LESS OF DRAINAGE AREA:



2-10 ACRES OF DRAINAGE AREA:



source: VA DEPT. OF CONSERVATION, 1992

USACE PROJECT NO. 1996-00228  
 PROPOSED STATE HIGHWAY 130  
 (GEORGETOWN TO SEGUIN)  
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 4 OF 6

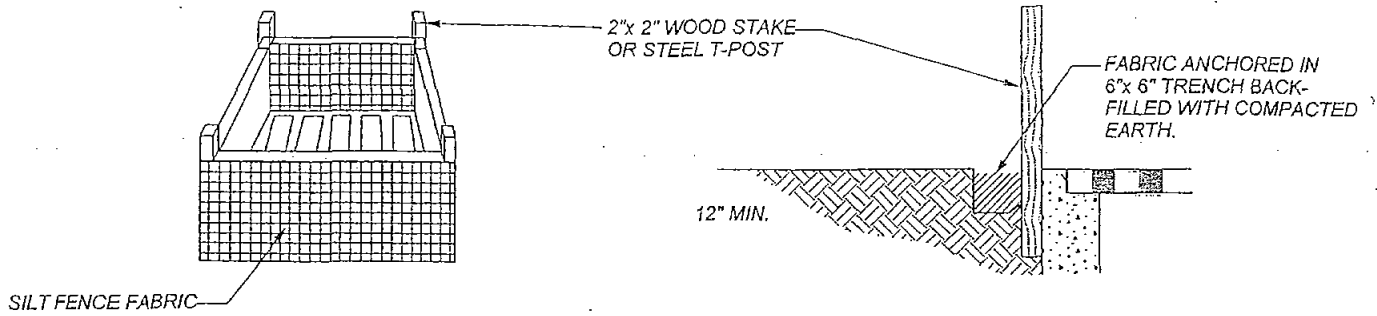
**ROCK CHECK DAM**



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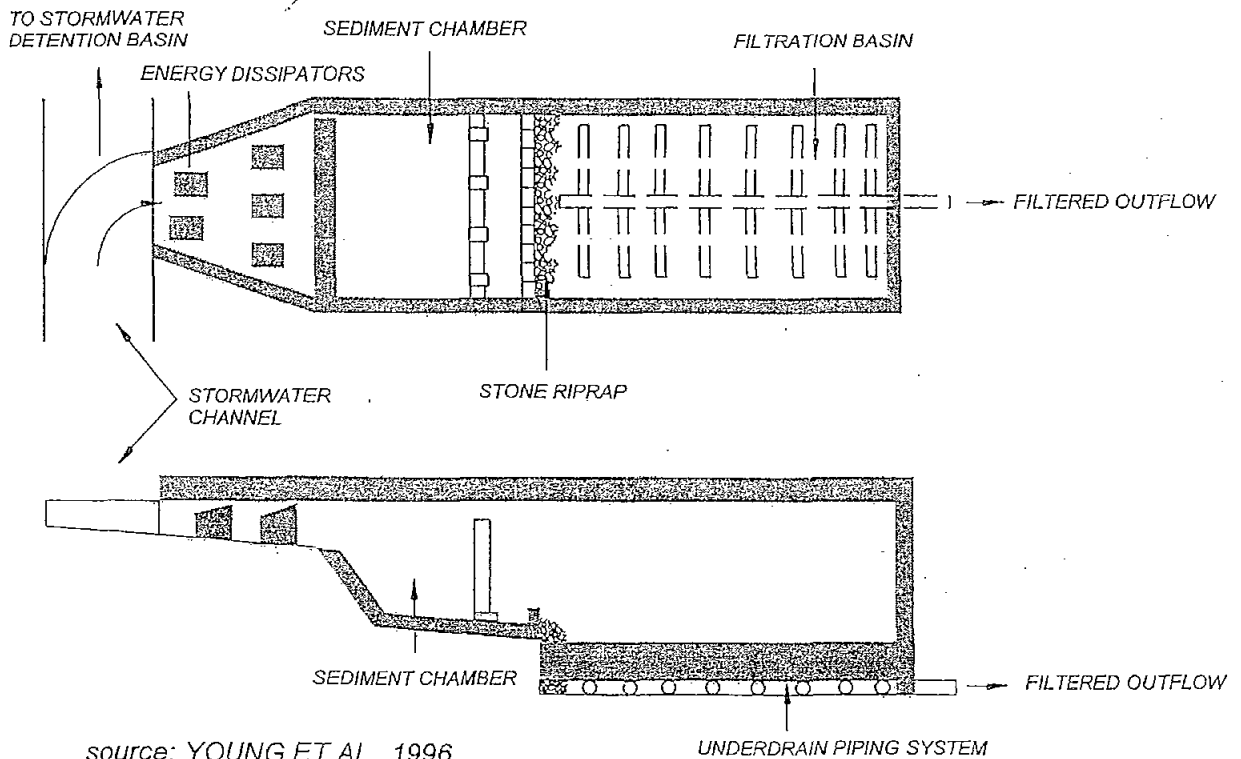
DATE: 02/27/2002

STANDARD INSTALLATION FOR FILTER FABRIC INLET PROTECTION



source: NCTCOG, 1993

SCHEMATIC OF A SAND FILTER SYSTEM



source: YOUNG ET AL., 1996

USACE PROJECT NO. 1996-00228  
 PROPOSED STATE HIGHWAY 130  
 (GEORGETOWN TO SEGUIN)  
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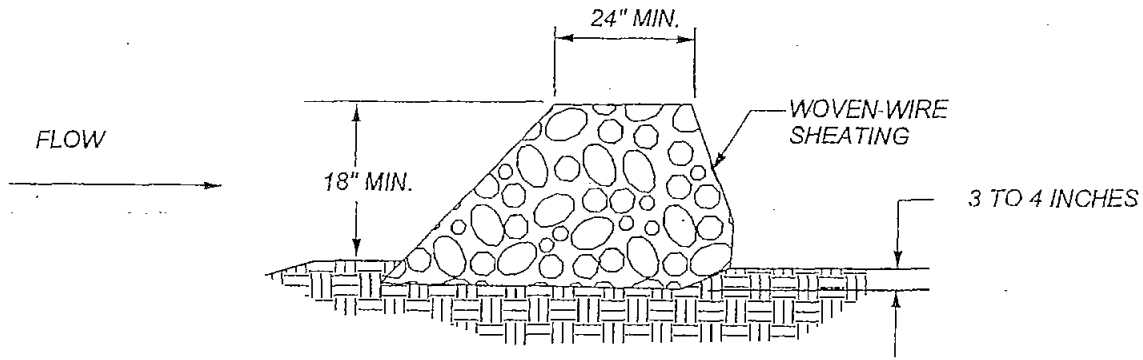
DATE  
 28 FEB 02  
 EXHIBIT  
 5 OF 6

**FILTER FABRIC INLET PROTECTION  
 & SAND FILTER SYSTEM**

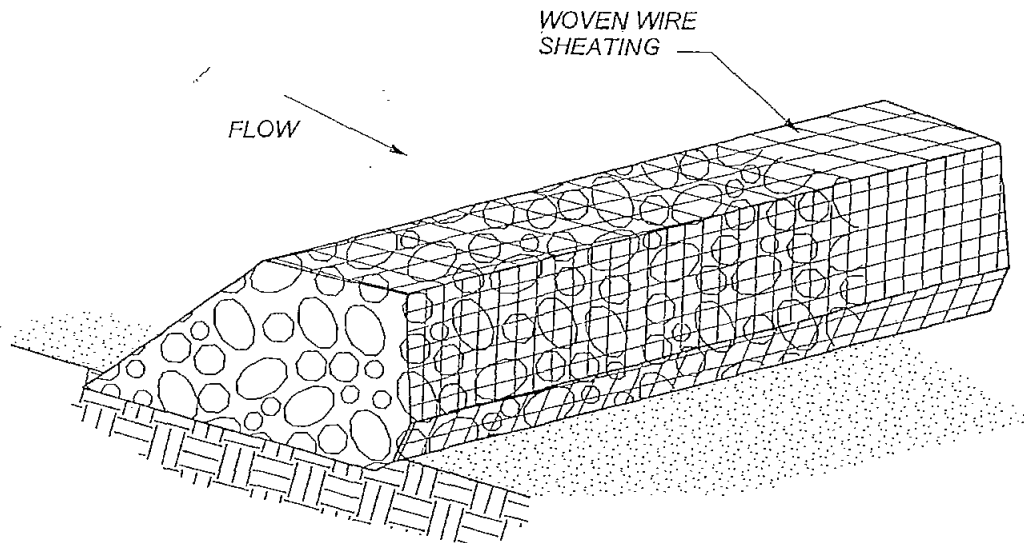


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CROSS SECTION



ISOMETRIC PLAN VIEW

source: NCTCOG, 1993

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DATE  
 28 FEB 02  
 EXHIBIT  
 6 OF 6

**ROCK BERM**



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DATE: 02/27/2001

Attachment 1 - Dredge and Fill Certification  
USACE Permit No. 199600228  
July 16, 2002  
Page 1 of 3

**WORK DESCRIPTION:** As described in the public notice dated May 7, 2002, and the Decision Document signed July 12, 2002.

**SPECIAL CONDITIONS:** None.

**GENERAL:** This certification, issued pursuant to the requirements of Title 30, Texas Administrative Code, Chapter 279, is restricted to the work described in the application or joint public notice and shall expire five years from the date of issuance of the Corps of Engineers (COE) permit. This certification may be extended to any minor revision of the COE permit when such change(s) would not result in an impact on water quality. The TNRCC reserves the right to require full joint public notice on a request for minor revision. The applicant is hereby placed on notice that any activity conducted pursuant to the COE permit which results in a violation of the state's surface water quality standards may result in an enforcement proceeding being initiated by the TNRCC or a successor agency.

**STANDARD PROVISIONS:** These following provisions attach to any permit issued by the Corps of Engineers and shall be followed by the permittee or any employee, agent, contractor, or subcontractor of the permittee during any phase of work authorized by a Corps permit.

1. The water quality of wetlands shall be maintained in accordance with all applicable provisions of the Texas Surface Water Quality Standards including the General, Narrative, and Numerical Criteria.
2. The applicant shall not engage in any activity which will cause surface waters to be toxic to man, aquatic life, or terrestrial life.
3. Permittee shall employ measures to control spills of fuels, lubricants, or any other materials to prevent them from entering a watercourse. All spills shall be promptly reported to the TNRCC, Emergency Spill Response, at (512) 463-7727.
4. Sanitary wastes shall be retained for disposal in some legal manner. Marinas and similar operations which harbor boats equipped with marine sanitation devices shall provide state/federal permitted treatment facilities or pump out facilities for ultimate transfer to a permitted treatment facility. Additionally, marinas shall display signs in appropriate locations advising boat owners that the discharge of sewage from a marine sanitation device to waters in the state is a violation of state and federal law.
5. Materials resulting from the destruction of existing structures shall be removed from the water or areas adjacent to the water and disposed of in some legal manner.
6. A discharge shall not cause substantial and persistent changes from ambient conditions of turbidity or color. The use of silt screens or other appropriate methods is encouraged to confine suspended particulates.
7. The placement of any material in a watercourse or wetlands shall be avoided and placed there only with the approval of the Corps when no other reasonable alternative is available. If work within a wetland is unavoidable, gouging or rutting of the substrate is prohibited. Heavy equipment shall be placed on mats to protect the substrate from gouging and rutting if necessary.

## Attachment 1 - Dredge and Fill Certification

USACE Permit No. 199600228

July 16, 2002

Page 2 of 3

8. Dredged Material Placement: Dredged sediments shall be placed in such a manner as to prevent any sediment runoff onto any adjacent property not owned by the applicant. Liquid runoff from the disposal area shall be retained on-site or shall be filtered and returned to the watercourse from which the dredged materials were removed. Except for material placement authorized by this permit, sediments from the project shall be placed in such a manner as to prevent any sediment runoff into waters in the state, including wetlands.
9. If contaminated spoil that was not anticipated or provided for in the permit application is encountered during dredging, dredging operations shall be immediately terminated and the TNRCC, Emergency Spill Response, shall be contacted at (512) 463-7727. Dredging activities shall not be resumed until authorized by the Commission.
10. Contaminated water, soil, or any other material shall not be allowed to enter a watercourse. Noncontaminated stormwater from impervious surfaces shall be controlled to prevent the washing of debris into the waterway.
11. Stormwater runoff from construction activities (US EPA Category X) is governed by the requirements of the US Environmental Protection Agency. Applications to apply for a general permit are to be obtained from Region 6, US EPA at (214) 665-7185.
12. Upon completion of earthwork operations, all temporary fills shall be removed from the watercourse/wetland, and areas disturbed during construction shall be seeded, riprapped, or given some other type of protection to minimize subsequent soil erosion. Any fill material shall be clean and of such composition that it will not adversely affect the biological, chemical, or physical properties of the receiving waters.
13. Disturbance to vegetation will be limited to only what is absolutely necessary. After construction, all disturbed areas will be revegetated to approximate the pre-disturbance native plant assemblage.
14. Where the control of weeds, insects, and other undesirable species is deemed necessary by the permittee, control methods which are nontoxic to aquatic life or human health shall be employed when the activity is located in or in close proximity to water, including wetlands.
15. Concentrations of taste and odor producing substances shall not interfere with the production of potable water by reasonable water treatment methods, impart unpalatable flavor to food fish including shellfish, result in offensive odors arising from the water, or otherwise interfere with reasonable use of the water in the state.
16. Surface water shall be essentially free of floating debris and suspended solids that are conducive to producing adverse responses in aquatic organisms, putrescible sludge deposits, or sediment layers which adversely affect benthic biota or any lawful uses.
17. Surface waters shall be essentially free of settleable solids conducive to changes in flow characteristics of stream channels or the untimely filling of reservoirs, lakes, and bays.

**Attachment 1 - Dredge and Fill Certification**

**USACE Permit No. 199600228**

**July 16, 2002**

**Page 3 of 3**

18. The work of the applicant shall be conducted such that surface waters are maintained in an aesthetically attractive condition and foaming or frothing of a persistent nature is avoided. Surface waters shall be maintained so that oil, grease, or related residue will not produce a visible film of oil or globules of grease on the surface or coat the banks or bottoms of the watercourse.
19. This certification shall not be deemed as fulfilling the applicant's/permittee's responsibility to obtain additional authorization/approval from other local, state, or federal regulatory agencies having special/specific authority to preserve and/or protect resources within the area where the work will occur.