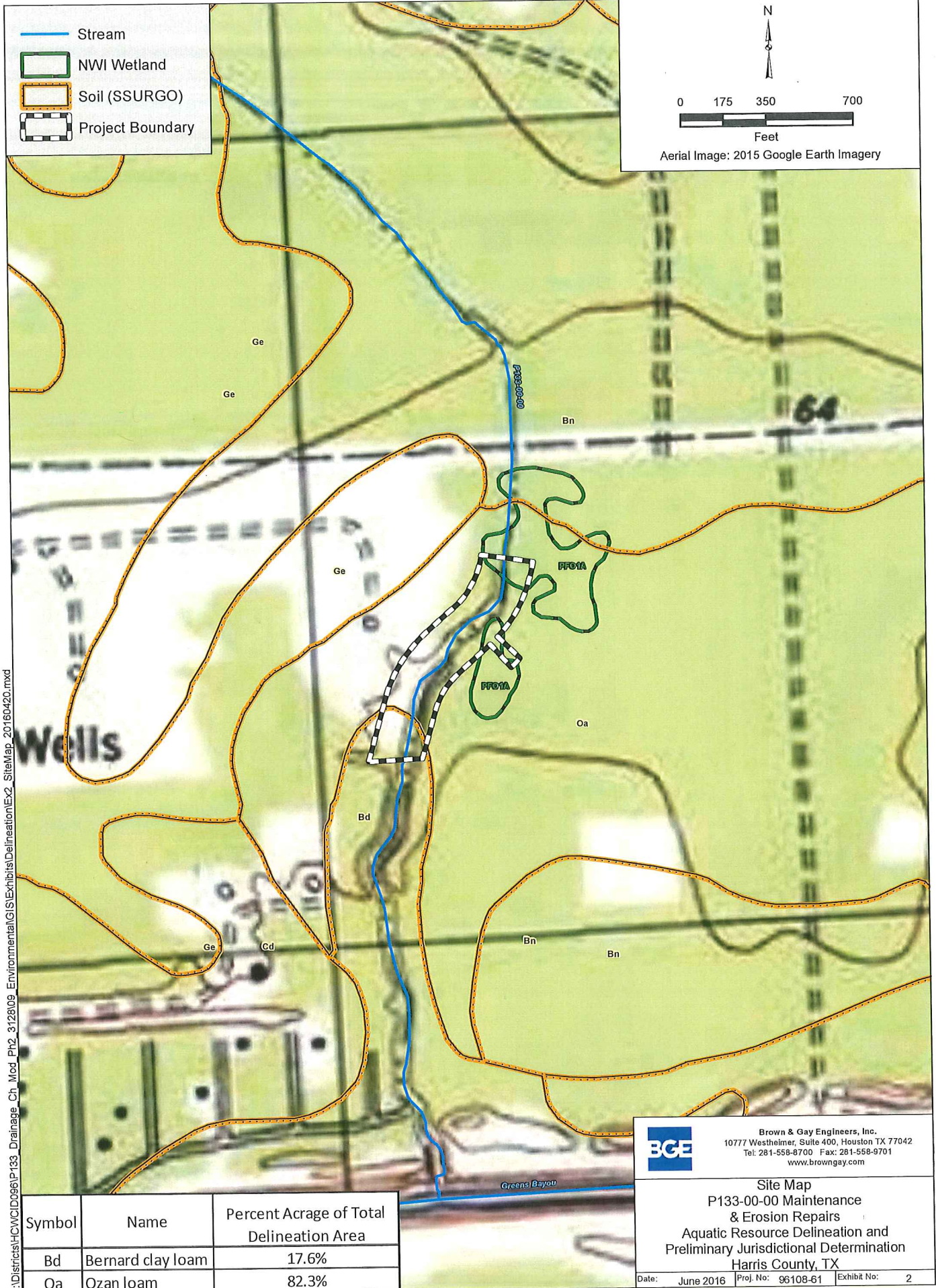


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Vicinity Map
P133-00-00 Maintenance
& Erosion Repairs
Aquatic Resource Delineation and
Preliminary Jurisdictional Determination
Harris County, TX

Date: June 2016 Proj. No: 96108-61 Exhibit No: 1



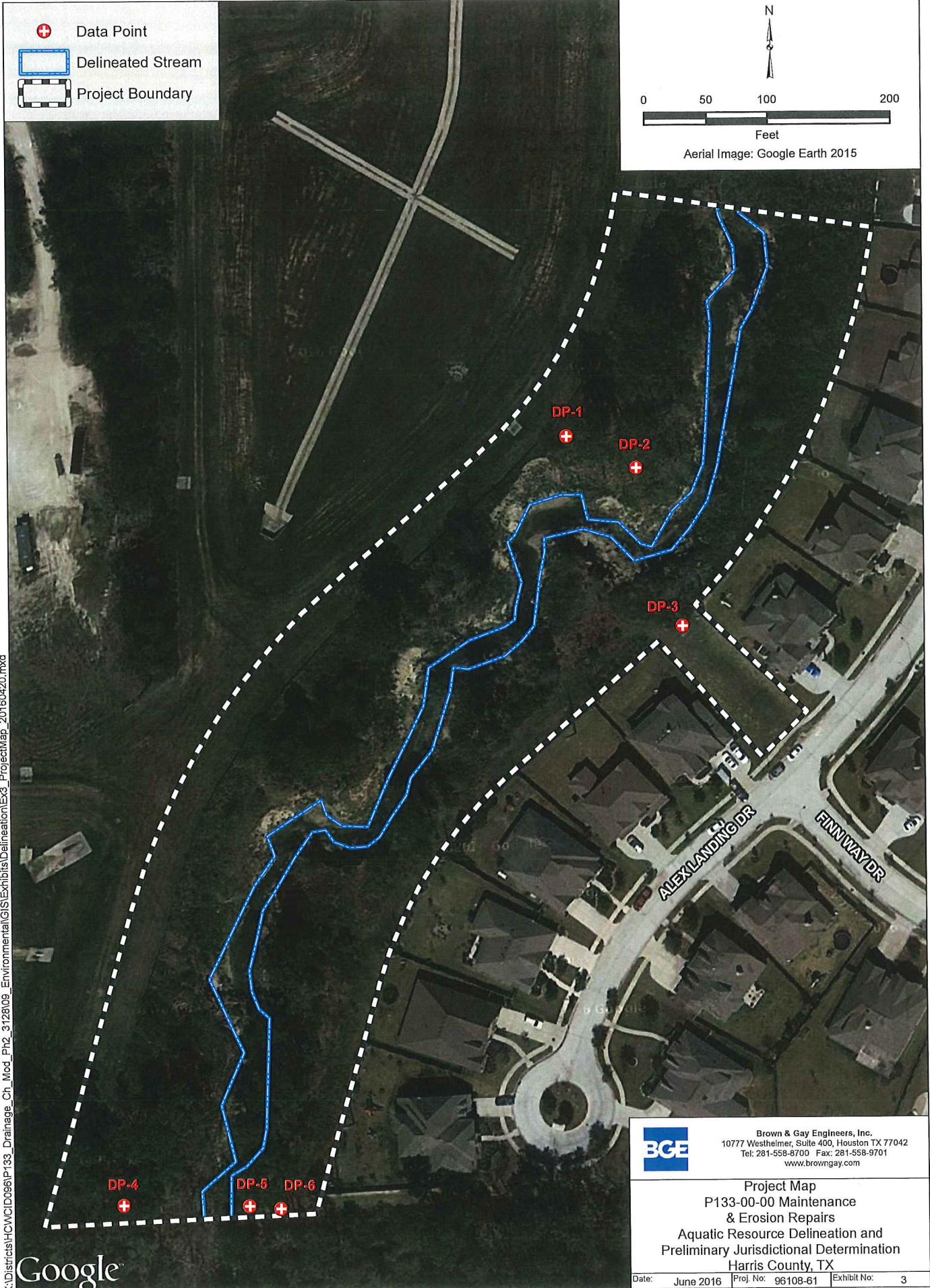
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Symbol	Name	Percent Acreage of Total Delineation Area
Bd	Bernard clay loam	17.6%
Oa	Ozan loam	82.3%

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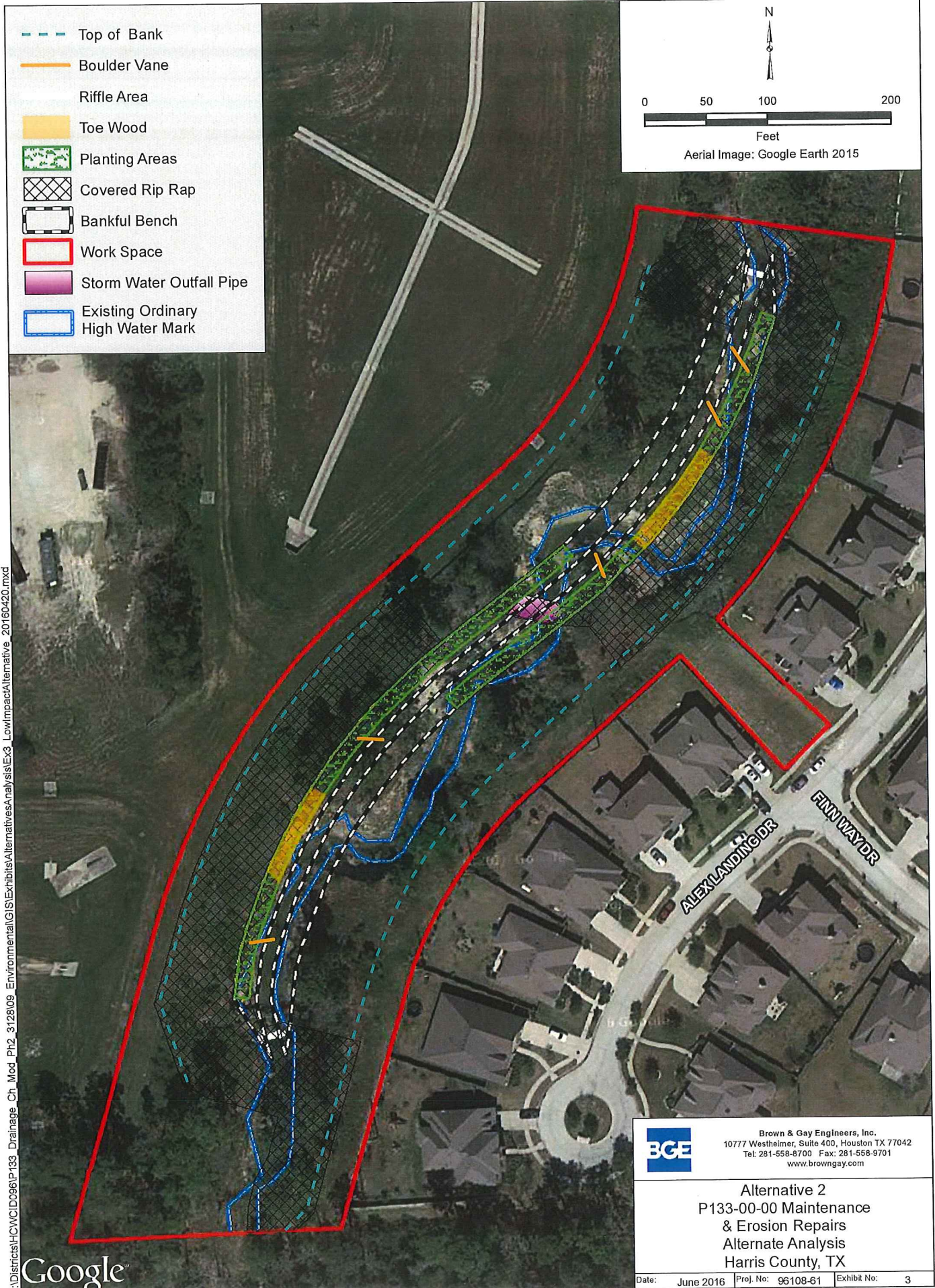
Site Map
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 Aquatic Resource Delineation and Preliminary Jurisdictional Determination
 Harris County, TX

Date: June 2016 Proj. No: 96108-61 Exhibit No: 2

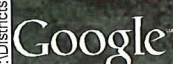


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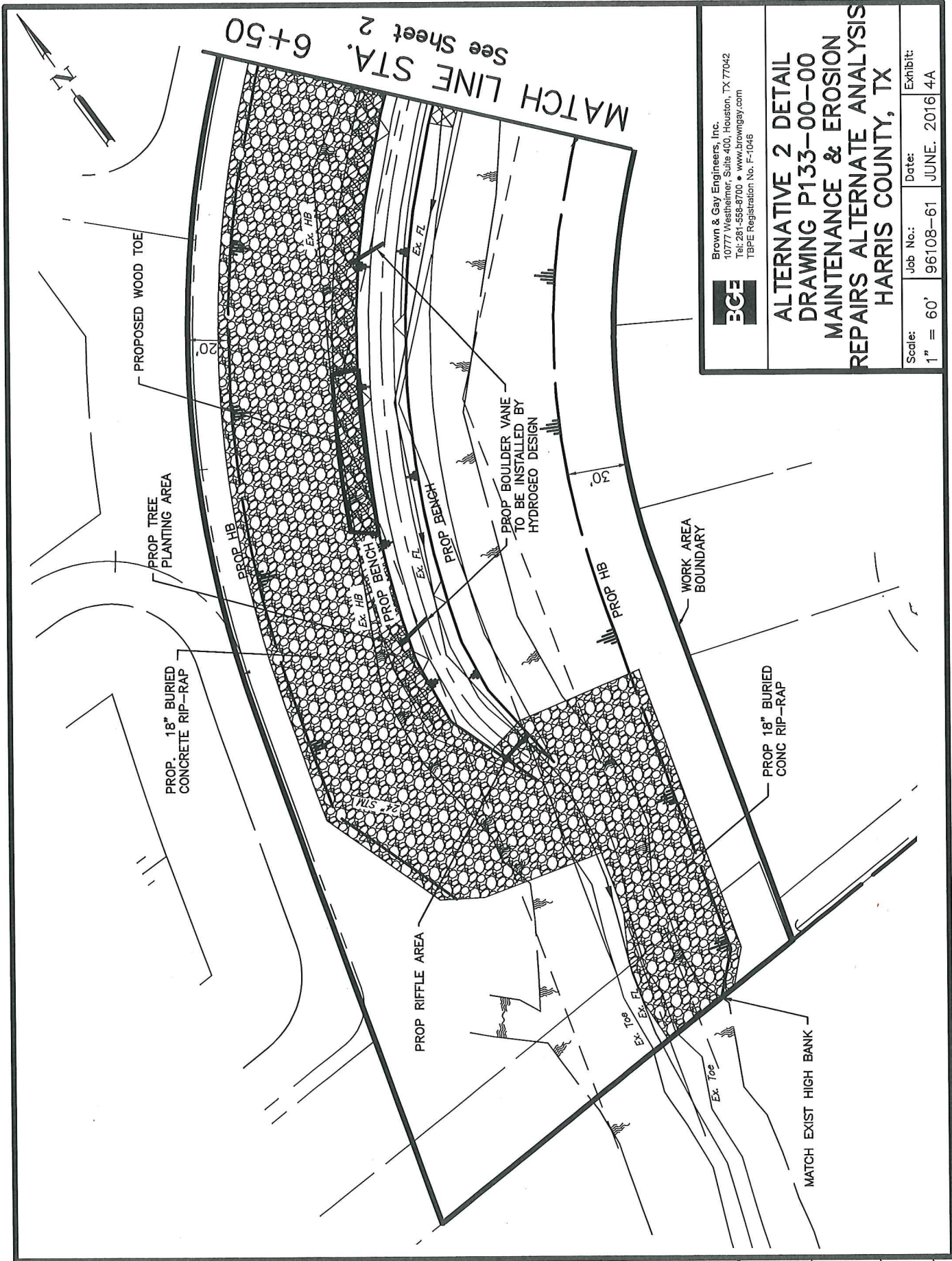




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	Alternative 2 P133-00-00 Maintenance & Erosion Repairs Alternate Analysis Harris County, TX		
Date:	June 2016	Proj. No:	96108-61
Exhibit No:			3



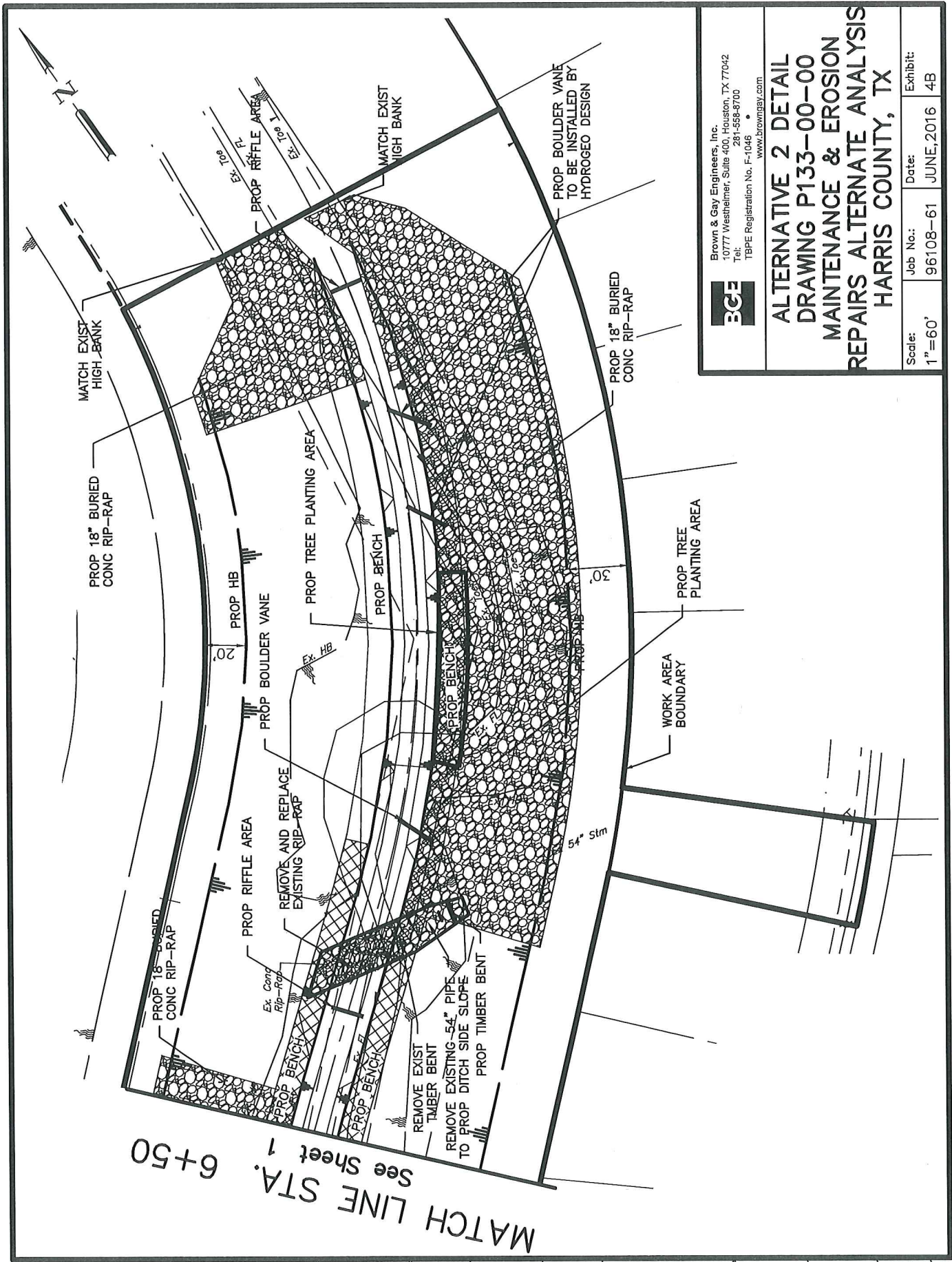
BCE Brown & Gay Engineers, Inc.
 10777 Westheimer, Suite 400, Houston, TX 77042
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**ALTERNATIVE 2 DETAIL
 DRAWING P133-00-00
 MAINTENANCE & EROSION
 REPAIRS ALTERNATE ANALYSIS
 HARRIS COUNTY, TX**

Scale:	Job No.:	Date:	Exhibit:
1" = 60'	96108-61	JUNE, 2016	4A

MATCH LINE STA. 6+50
 See Sheet 2

X:\Districts\HCWID096\P133_Drainage_Ch_Mod_Ph2_3128\03_CAD\03_Exhibits\Alternate #2 Detail Drawing Exhibits\01_LOC_3.dwg 1:1



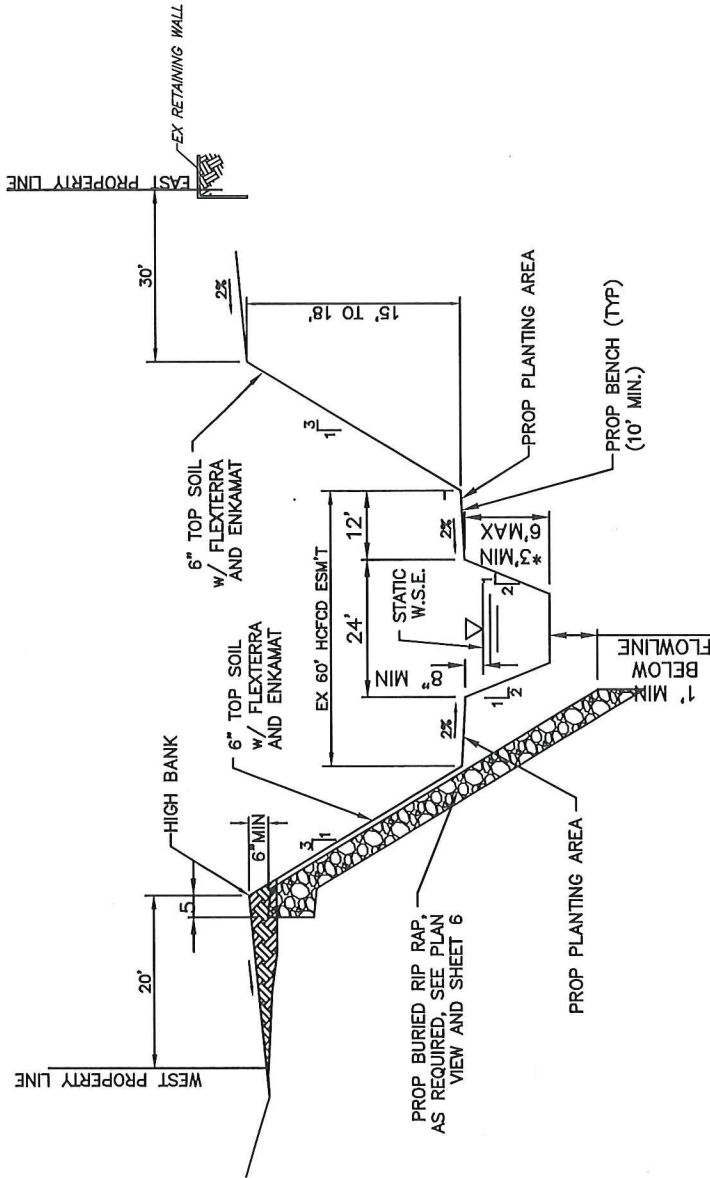
MATCH LINE STA. 6+50
See Sheet 1

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**ALTERNATIVE 2 DETAIL
DRAWING P133-00-00
MAINTENANCE & EROSION
REPAIRS ALTERNATE ANALYSIS
HARRIS COUNTY, TX**

Scale:	Job No.:	Date:	Exhibit:
1" = 60'	96108-61	JUNE, 2016	4B

X:\Districts\HCWID096\P133_Drainage_Ch_Mod_Ph2_3128\03_CADD\03_Exhibits\Alternate #2 Detail Drawing Exhibits\02_LOC_3A.dwg 1:1



TYPICAL CROSS-SECTION
N.T.S.

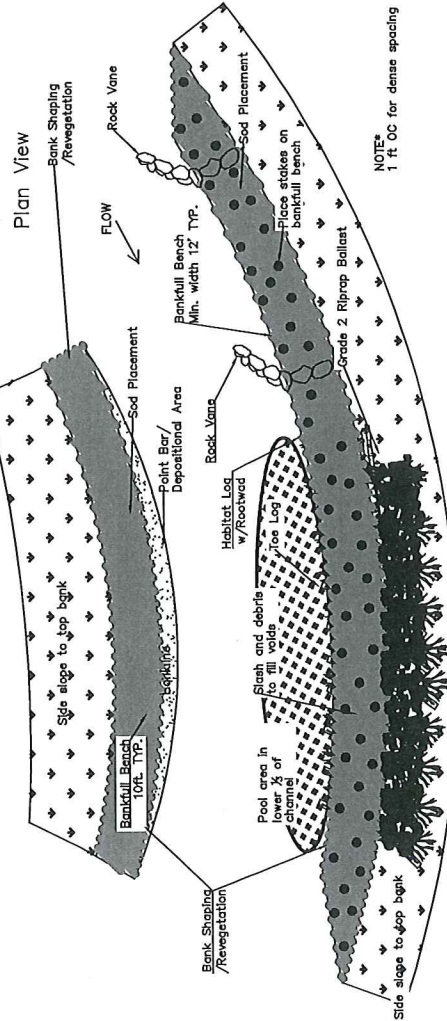
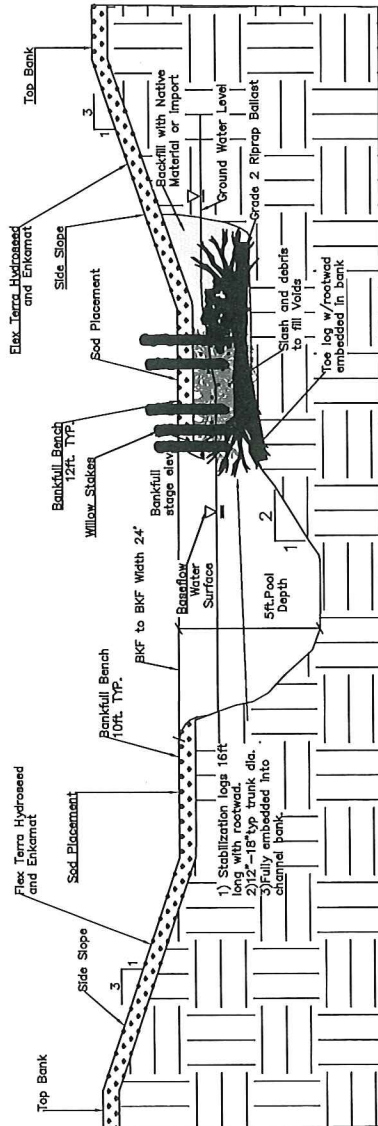
BCE
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TBPPE Registration No. F-1046

**ALTERNATIVE 2 DETAIL
DRAWING P133-00-00
MAINTENANCE & EROSION
REPAIRS ALTERNATE ANALYSIS
HARRIS COUNTY, TX**

Scale:	Job No.:	Date:	Exhibit:
N.T.S.	96108-61	JUNE, 2016	4C

X:\Districts\HCWCD096\P133_Drainage_Ch_Mod_Ph2_3128\03_CADD\03_Exhibits\Alternate #2 Detail Drawing Exhibits\03_DETAILS.dwg 1:1

Section View

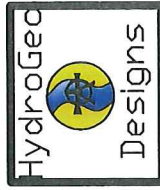


NOTE:
1 ft. OC for dense spacing

TOE WOOD DETAIL

SCALE: NTS

PREPARED BY:



448 West 19 St.
#415
Houston TX, 77008



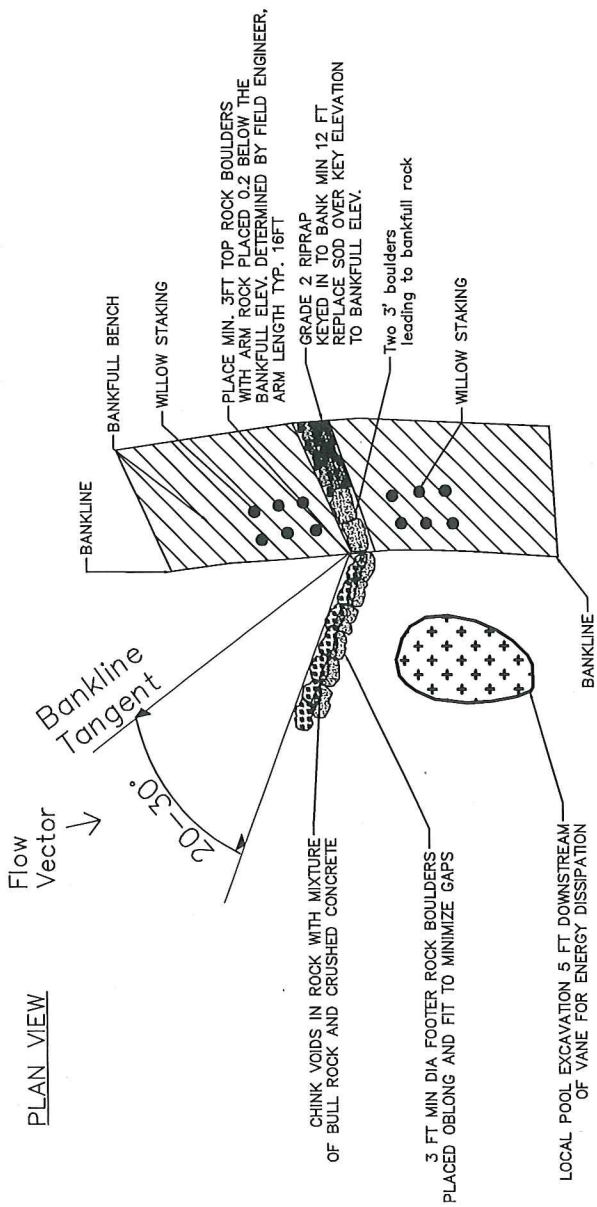
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**ALTERNATIVE 2 DETAIL
DRAWING P133-00-00
MAINTENANCE & EROSION
REPAIRS ALTERNATE ANALYSIS
HARRIS COUNTY, TX**

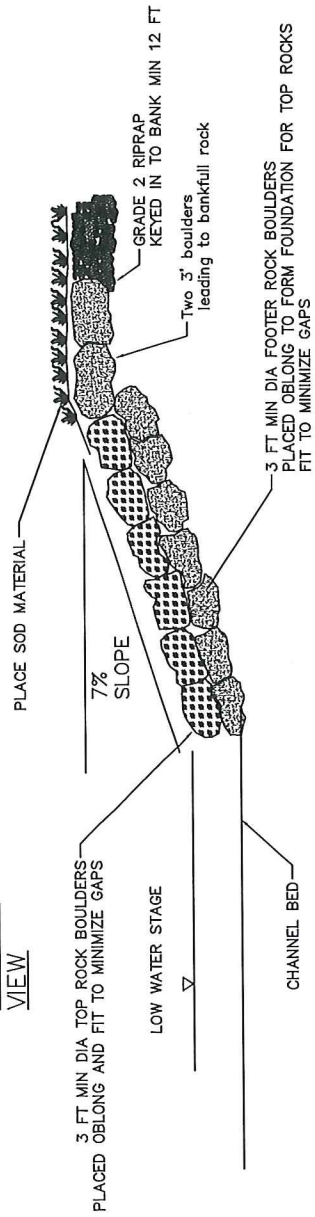
Scale: N. T.S.	Job No.: 96108-61	Date: JUNE, 2016	Exhibit: 4D
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BOULDER VANE DETAIL

PLAN VIEW



SECTION VIEW



BOULDER VANE DETAIL

SCALE: NTS

PREPARED BY:



448 West 19 St.
#415
Houston TX, 77008

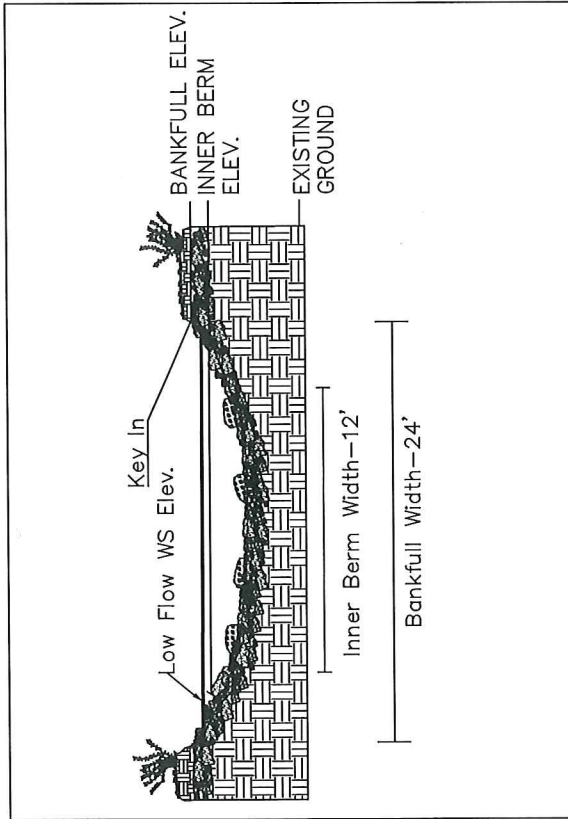


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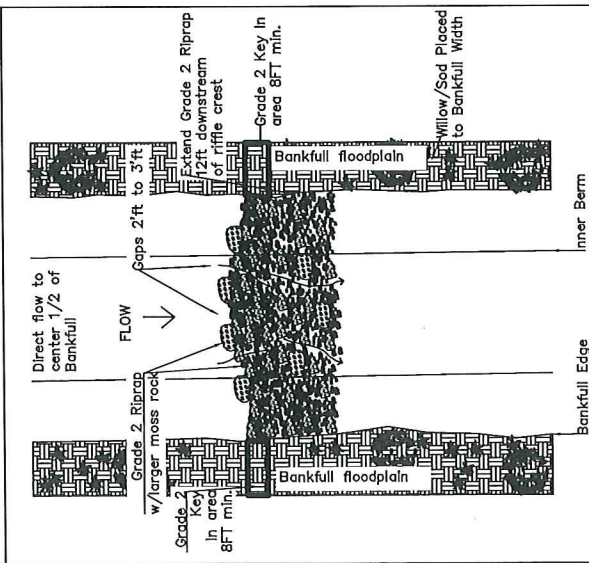
**ALTERNATIVE 2 DETAIL
DRAWING P133-00-00
MAINTENANCE & EROSION
REPAIRS ALTERNATE ANALYSIS
HARRIS COUNTY, TX**

Scale:	Job No.:	Date:	Exhibit:
N.T.S.	96108-61	JUNE, 2016	4E

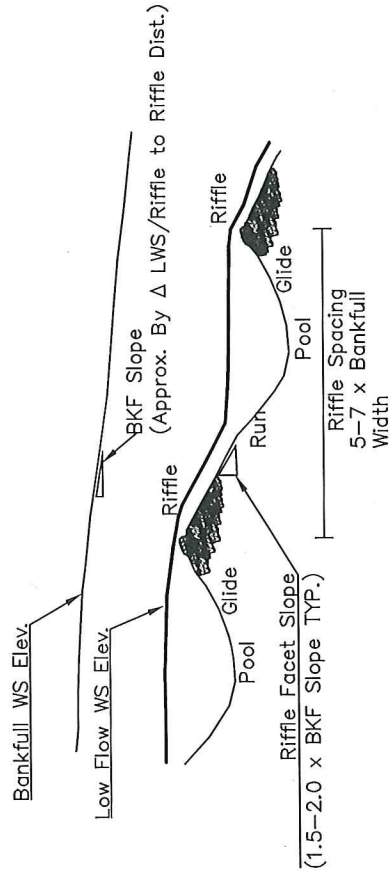
Cross-Section View



Plan View



PROFILE TOP RIFFLE (TR)



RIFFLE AND POOL DETAIL

SCALE: NTS

PREPARED BY:



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#415
Houston TX. 77008

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**ALTERNATIVE 2 DETAIL
DRAWING P133-00-00
MAINTENANCE & EROSION
REPAIRS ALTERNATE ANALYSIS
HARRIS COUNTY, TX**

Scale: N.T.S.	Job No.: 96108-61	Date: JUNE. 2016	Exhibit: 4F
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