

N:\GIS_Data\Natural Resources\Projects\2018\92187338\Project\MapDocs\North Parcel\IP\92187338 Exhibit 1.0 - Site Vicinity.mxd, Revised: 12-03-2019, 7:36:04 AM

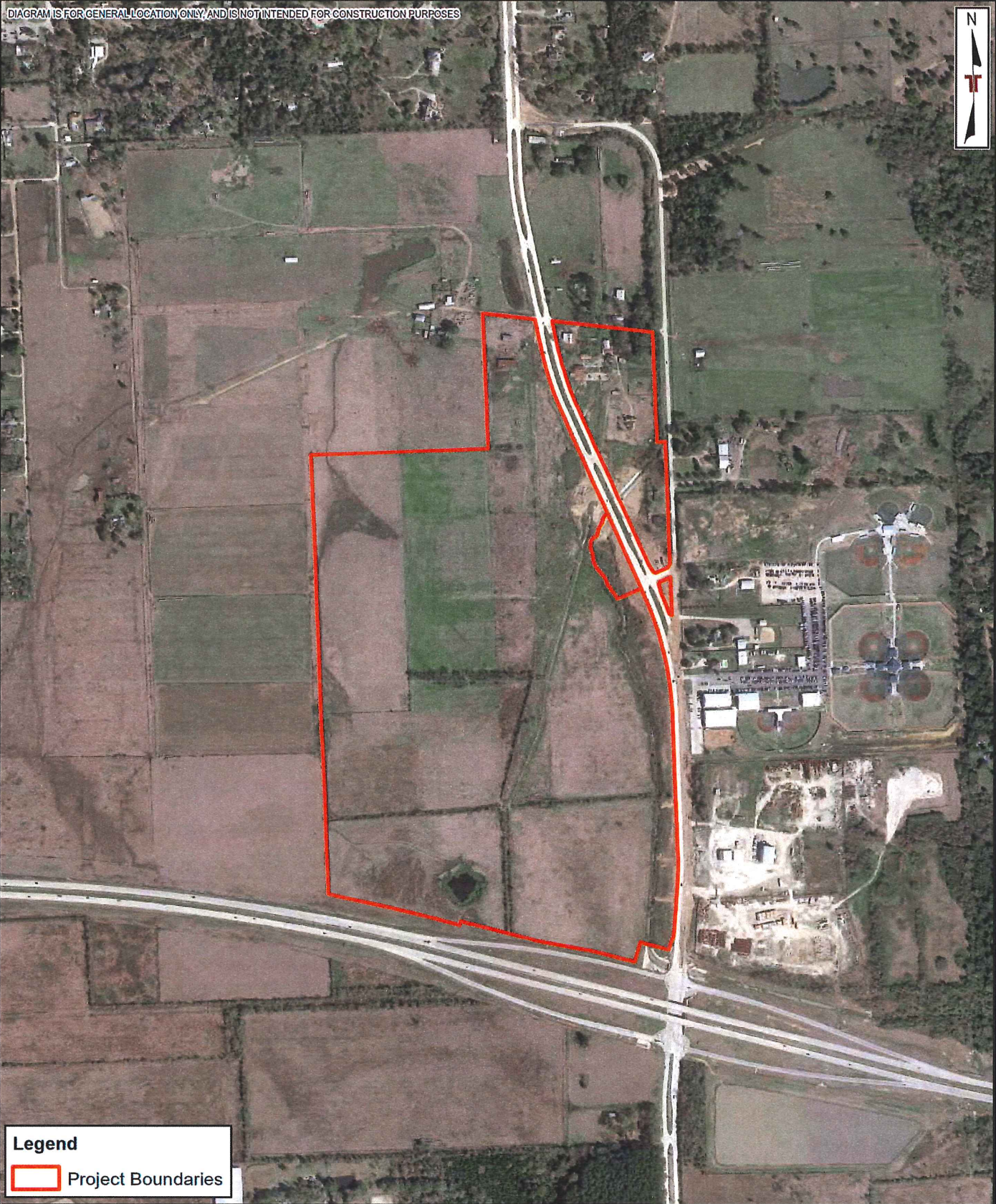
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|---------------|----|-------------|--------------|
| Project Mngr: | CG | Project No. | 92187338 |
| Drawn By: | CG | Scale: | 1" = 10,000' |
| Checked By: | JL | Report: | IP |
| Approved By: | JL | Date: | 12-03-2019 |

Terracon
 Consulting Engineers and Scientists
 11555 CLAY ROAD, SUITE. 100 HOUSTON, TX 77043
 PH. (713) 690-0909 FAX. (713) 690-0707

Site Vicinity
 Individual Permit
 Tomball ISD Approximately 150-Acres
 Tomball, Harris County, Texas

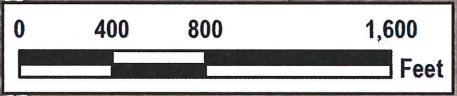
EXHIBIT
1.0

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES



Legend
 Project Boundaries

February 13, 2019 Aerial Photograph Courtesy of Google Earth.
Map Presented In: GCS NAD 1983 CORRS96, NAD 1983 CORRS96 StatePlane Texas South Central FIPS 4204 F1US



N:\GIS_Data\Natural Resources\Projects\2018\2187338\Project Mxds\North Parcel\IP\2187338 Exhibit 2.7 - 2019 Aerial.mxd, Revised: 11-07-2019, 9:12:56 AM

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| Project Mngi: | CG | Project No. | 92187338 |
| Drawn By: | RW | Scale: | 1" = 800' |
| Checked By: | JL | Report: | NWP |
| Approved By: | JL | Date: | 11-07-2019 |

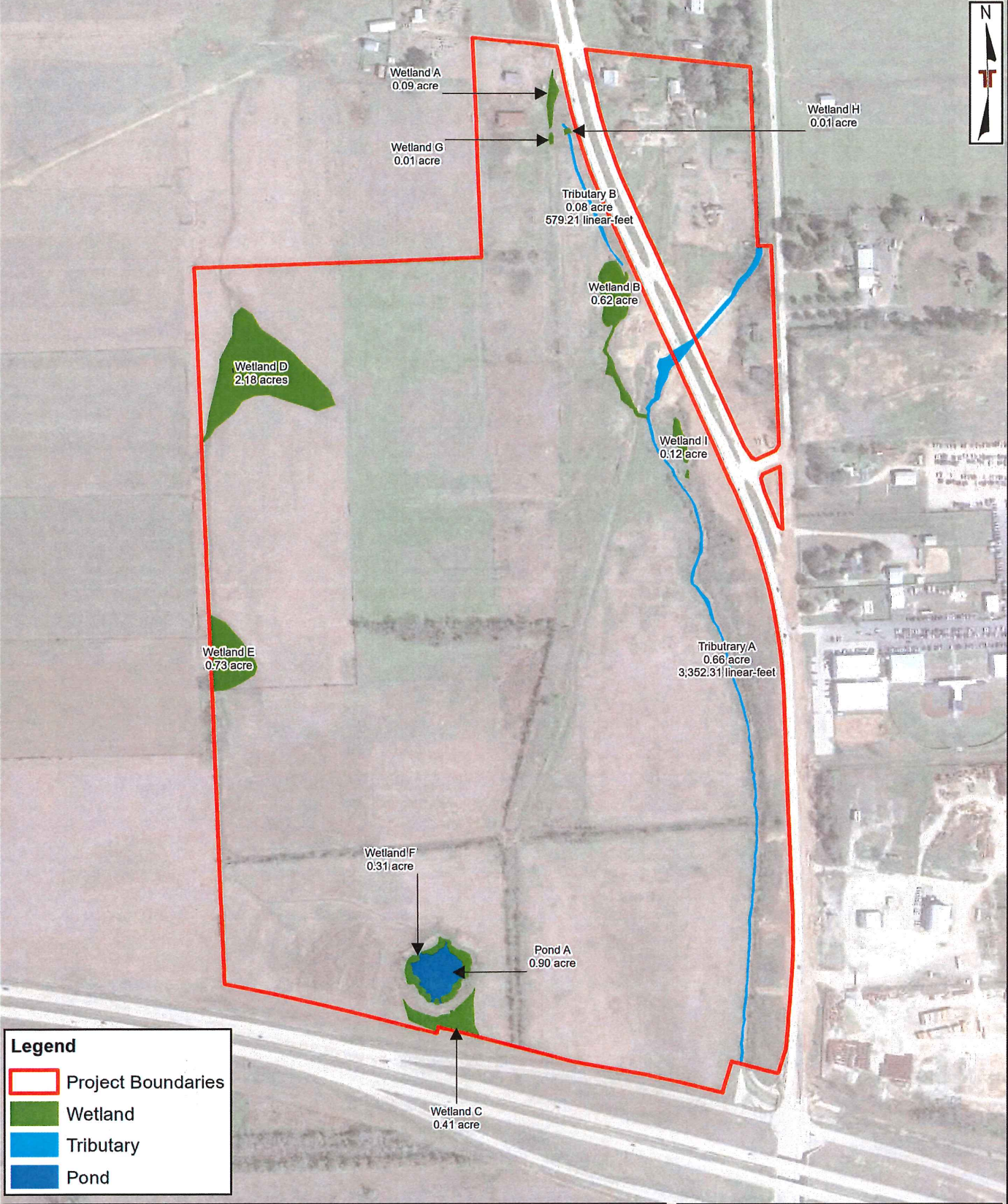
Terracon
Consulting Engineers and Scientists
11555 CLAY ROAD, SUITE. 100 HOUSTON, TX 77043
PH. (713) 690-0969 FAX. (713) 690-6767

2019 Aerial Photograph

Individual Permit
Tomball ISD Approximately 151-Acres
Tomball, Harris County, Texas

EXHIBIT
2.7

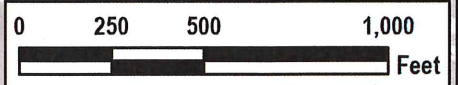
DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES



Legend

- Project Boundaries
- Wetland
- Tributary
- Pond

Map Presented in: GCS NAD 1983 CORS96, NAD 1983 CORS96 StatePlane Texas South Central FIPS 4204 FUS



N:\GIS_Data\Natural Resources\Projects\2018\92187338\Project Mids\North Parcel\IP\92187338 Exhibit 3.0 - Delineated Features.mxd, Revised: 12-05-2019, 8:27:15 AM

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|---------------|----|
| Project Mngr: | CG |
| Drawn By: | CG |
| Checked By: | JL |
| Approved By: | JL |

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|-------------|------------|
| Project No. | 92187338 |
| Scale: | 1" = 500' |
| Report: | IP |
| Date: | 12-05-2019 |

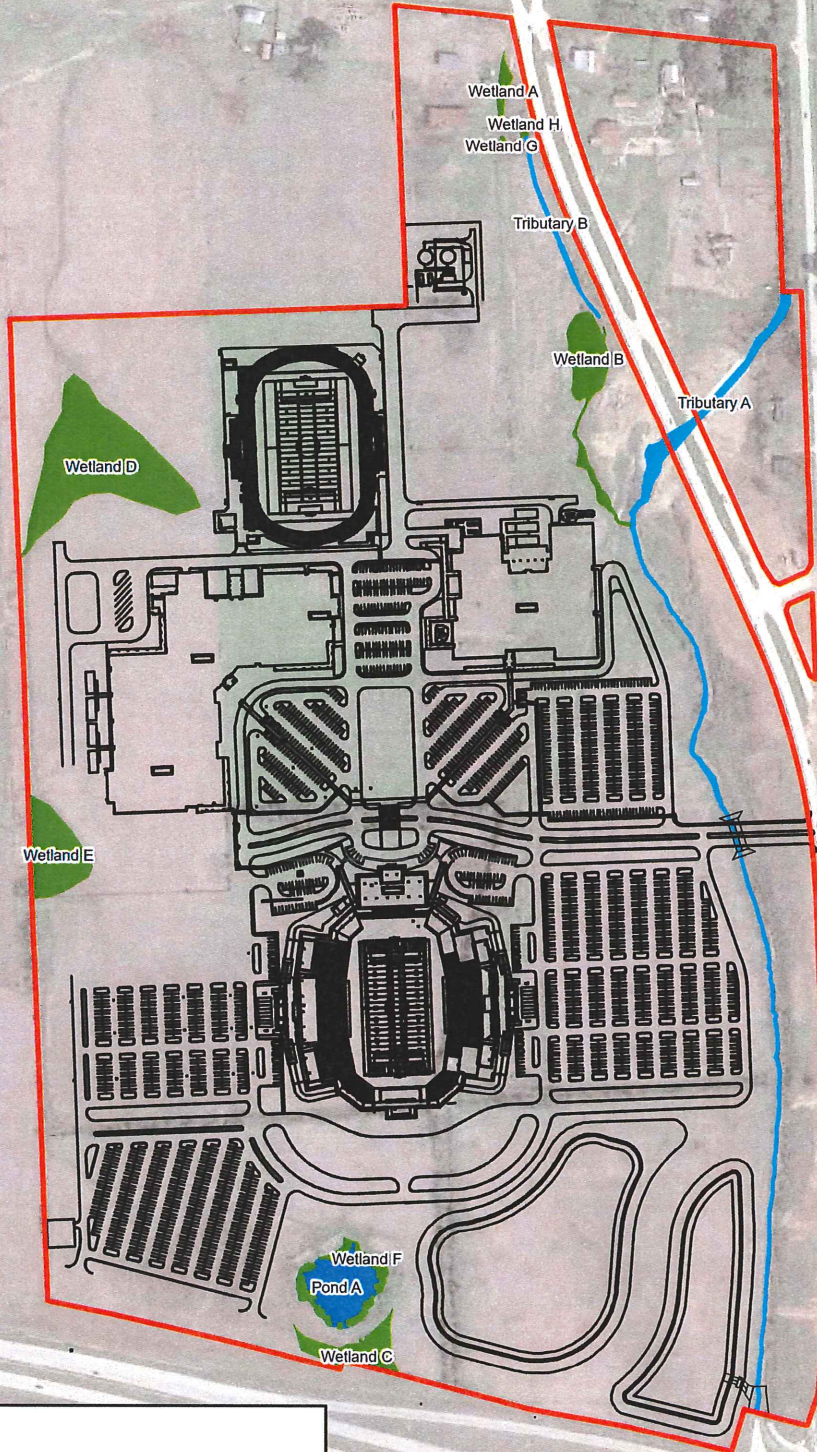
Terracon
 Consulting Engineers and Scientists
 11555 CLAY ROAD, SUITE. 100 HOUSTON, TX 77043
 PH. (713) 690-8980 FAX. (713) 690-8767

USACE Verifed Delineated Features

Individual Permit
 Tomball ISD Approximately 150-Acres
 Tomball, Harris County, Texas

| |
|---------|
| EXHIBIT |
| 3.0 |

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

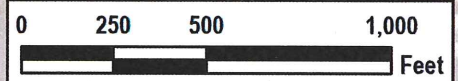


N:\GIS_Data\Natural Resources\Projects\2018\92187338\Project Mxd\North Parc\IP\92187338 Exhibit 4.0 - Phase I Construction Design.mxd, Revised: 12-05-2019, 8:30:45 AM

Legend

- Project Boundaries
- Phase I Construction Design
- Wetland
- Stream
- Pond

Map Presented In: GCS NAD 1983 CORS96, NAD 1983 CORS96 StatePlane Texas South Central FIPS 4204 FUS



| | | | |
|---------------|----|-------------|------------|
| Project Mngr: | CG | Project No. | 92187338 |
| Drawn By: | CG | Scale: | 1" = 500' |
| Checked By: | JL | Report: | IP |
| Approved By: | JL | Date: | 12-05-2019 |

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 Consulting Engineers and Scientists
 11555 CLAY ROAD, SUITE, 100 HOUSTON, TX 77043
 PH. (713) 650-8559 FAX. (713) 650-8767

Phase I Construction Design

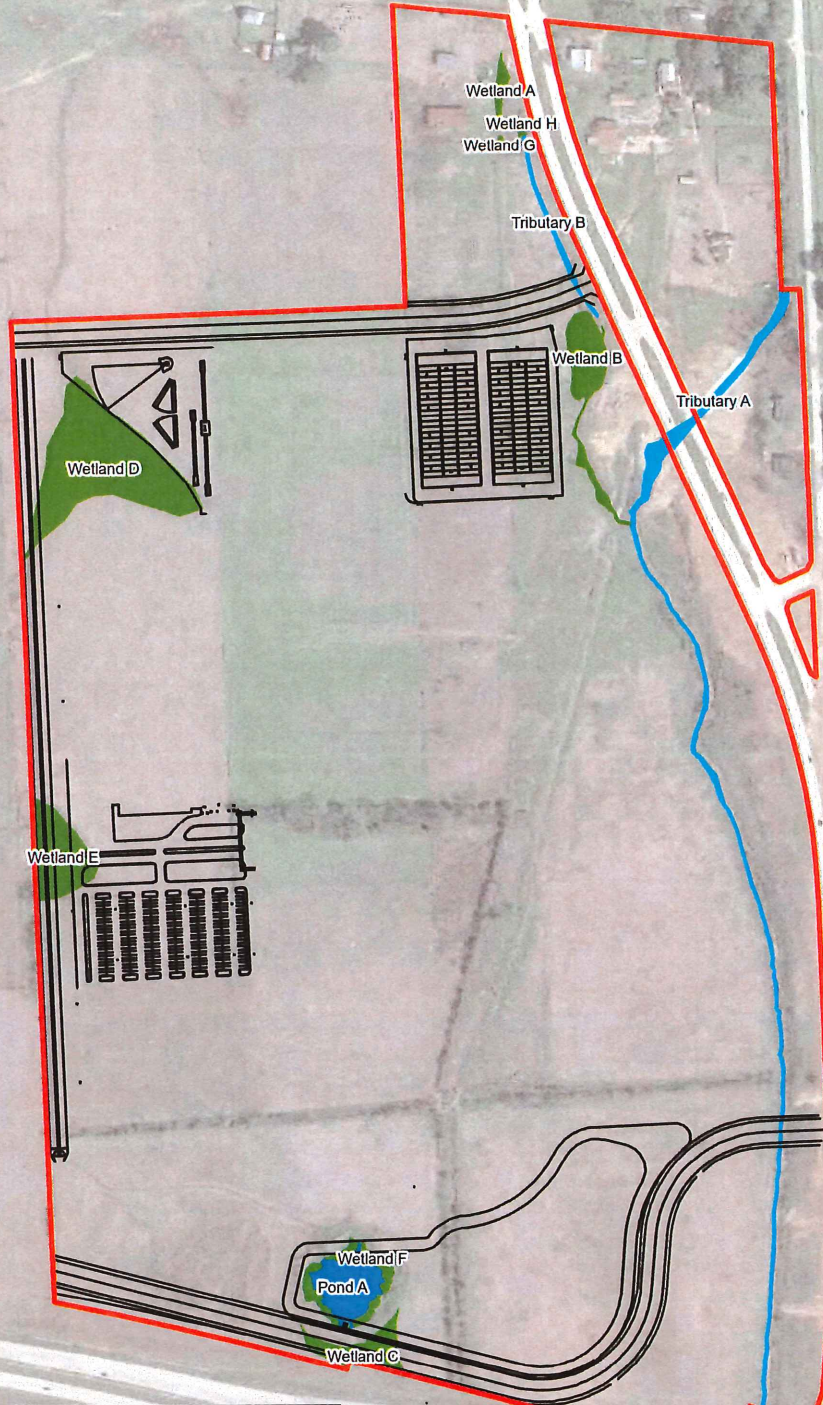
Individual Permit
 Tomball ISD Approximately 150-Acres
 Tomball, Harris County, Texas

EXHIBIT

4.0



DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES



Legend

- Project Boundaries
- Phase II Construction Design
- Wetland
- Stream
- Pond

Map Presented In: GCS NAD 1983 CORRS90, NAD 1983 CORRS90 StatePlane Texas South Central FIPS 4204 FIPS



N:\GIS_Data\Natural Resources\Projects\2018\92187338\Project Mxds\North Parcel\IP\92187338 Exhibit 4.1 - Phase II Construction Design.mxd, Revised: 12-05-2019, 8:34:28 AM

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| Project Mng: | CG | Project No. | 92187338 |
| Drawn By: | CG | Scale: | 1" = 500' |
| Checked By: | JL | Report: | IP |
| Approved By: | JL | Date: | 12-05-2019 |

Terracon
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 11555 CLAY ROAD, SUITE 100 HOUSTON, TX 77043
 PH: (713) 690-6909 FAX: (713) 690-6787

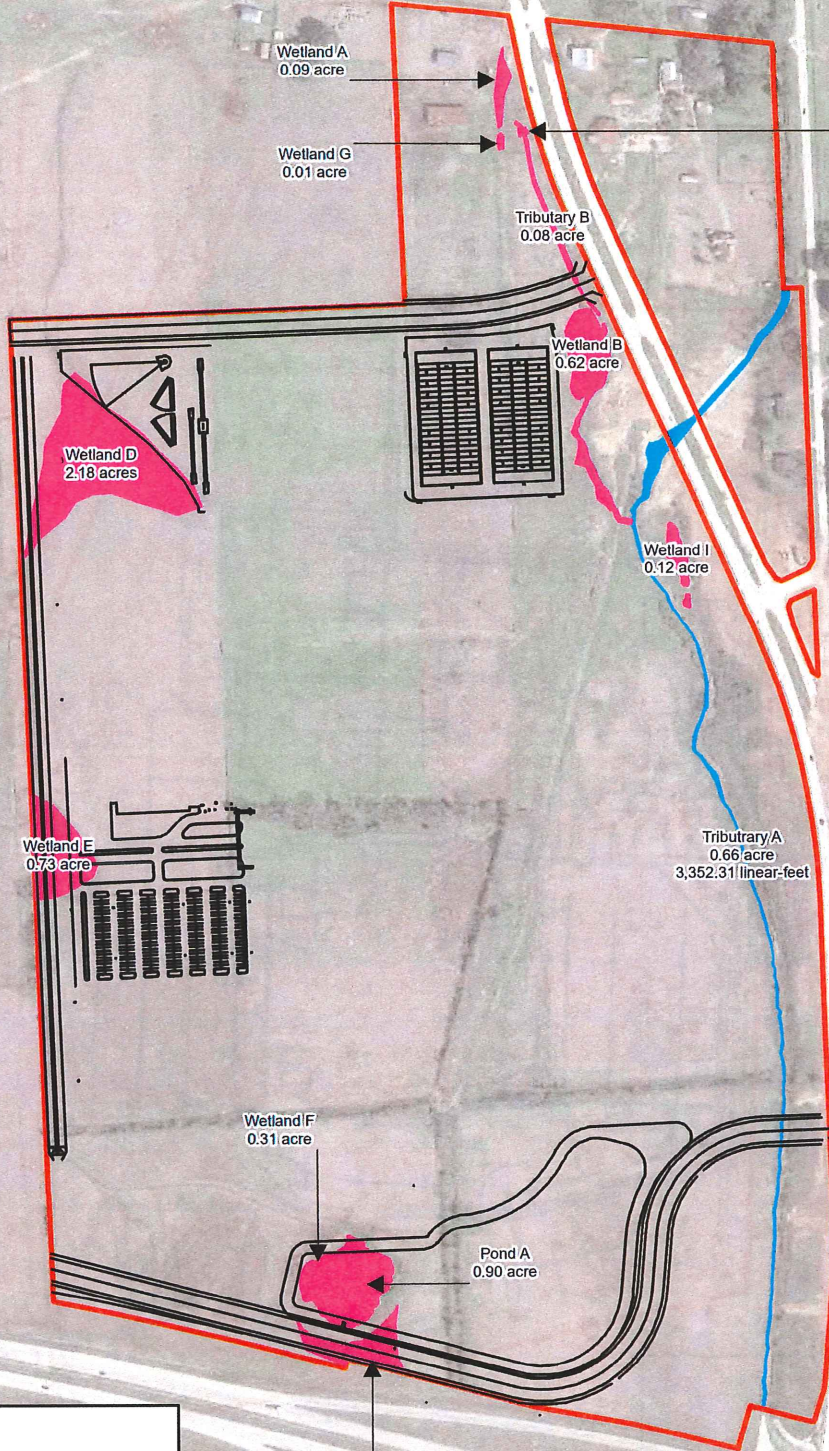
Phase II Construction Design

Individual Permit
 Tomball ISD Approximately 150-Acres
 Tomball, Harris County, Texas

EXHIBIT

4.1

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES



Legend

- Project Boundaries
- Phase II Impacts
- Phase II Construction Design

Map Presented In: GCS NAD 1983 CORS96, NAD 1983 CORS96 StatePlane Texas South Central FIPS 4204 FIPS



N:\GIS_Data\Natural Resources\Projects\2018\2187338\Project Mxds\North Parcel\IP\92187338 Exhibit 5.0 - Phase II Impacts.mxd, Revised: 12-05-2019, 8:41:15 AM

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|---------------|----|-------------|------------|
| Project Mngr: | CG | Project No. | 92187338 |
| Drawn By: | CG | Scale: | 1" = 500' |
| Checked By: | JL | Report: | IP |
| Approved By: | JL | Date: | 12-05-2019 |

Terracon
 Consulting Engineers and Scientists
 11555 CLAY ROAD, SUITE 100 HOUSTON, TX 77043
 PH. (713) 690-6988 FAX. (713) 690-6767

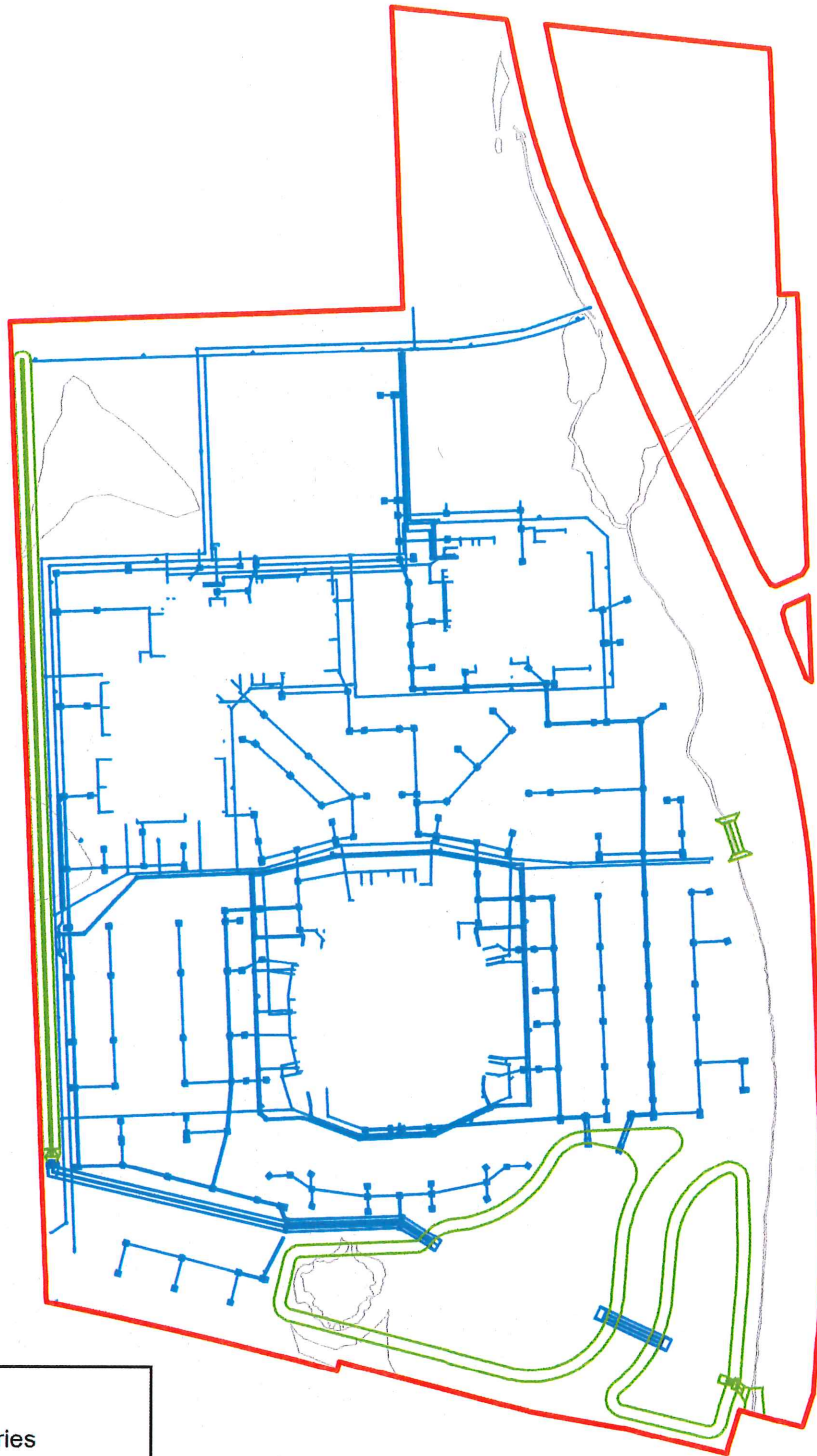
Phase II Impacts

Individual Permit
 Tomball ISD Approximately 150-Acres
 Tomball, Harris County, Texas

EXHIBIT

5.0

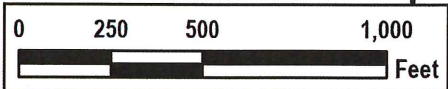
DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES



Legend

- Project Boundaries
- Above Ground Drainage
- Underground Drainage
- Delineated Aquatic Features

Map Presented In: GCS NAD 1983 CORS96, NAD 1983 CORS90 StatePlane Texas South Central FIPS 4204 F1U5



N:\GIS_Data\Natural_Resources\Projects\2018\92187338\Project Mixds\North Parcel\IP\92187338 Exhibit 5.1 - Underground Storm Sewer System.mxd, Revised: 12-05-2019, 8:44:45 AM

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|--------------|----|
| Project Mng: | CG |
| Drawn By: | CG |
| Checked By: | JL |
| Approved By: | JL |

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|-------------|------------|
| Project No. | 92187338 |
| Scale: | 1" = 500' |
| Report: | IP |
| Date: | 12-05-2019 |

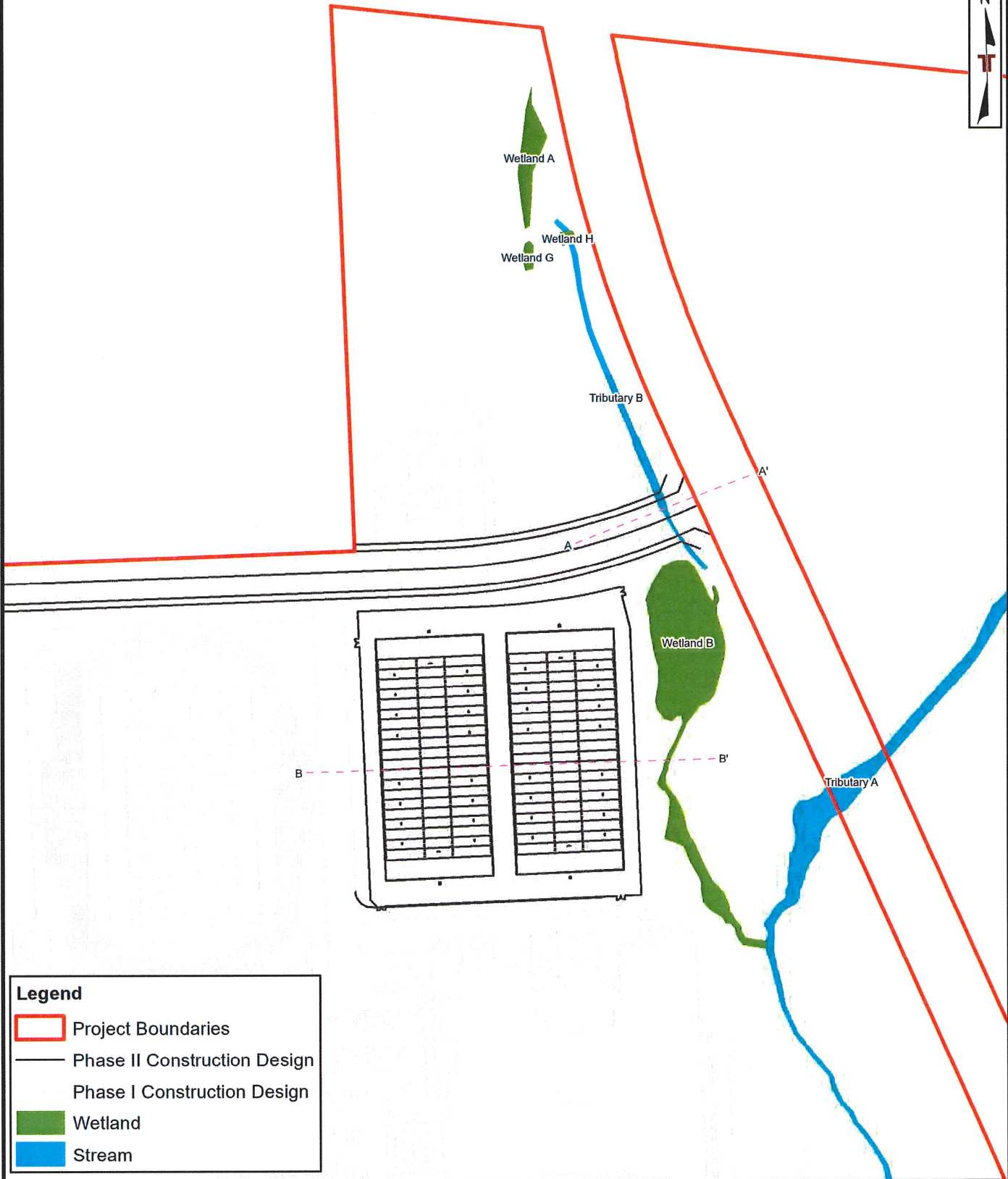
Terracon
 Consulting Engineers and Scientists
 11555 CLAY ROAD, SUITE 100 HOUSTON, TX 77043
 PH. (713) 690-8509 FAX. (713) 690-6707

Drainage Plan

Individual Permit
 Tomball ISD Approximately 150-Acres
 Tomball, Harris County, Texas

EXHIBIT
 5.1

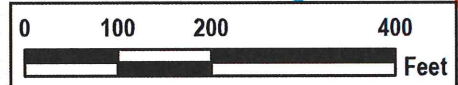
DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES



Legend

- Project Boundaries
- Phase II Construction Design
- Phase I Construction Design
- Wetland
- Stream

Map Presented In: GCS NAD 1983 CORS90, NAD 1983 CORS90 StatePlane Texas South Central FIPS 4204 F1US



N:\GIS_Data\Natural Resources\Projects\2018\92187338\Project Mxd\North Parcel\92187338 Exhibit 5.2 - North Entrance and Practice Fields Plan View.mxd, Revised: 12-05-2019, 8:47:48 AM

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|--------------|----|
| Project Mng: | CG |
| Drawn By: | CG |
| Checked By: | JL |
| Approved By: | JL |

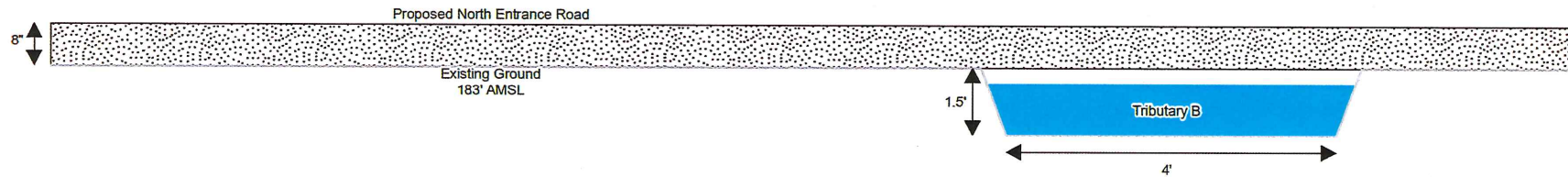
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|-------------|------------|
| Project No. | 92187338 |
| Scale: | 1" = 200' |
| Report: | IP |
| Date: | 12-05-2019 |

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 Consulting Engineers and Scientists
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 PH. (713) 690-6580 FAX. (713) 690-6767

North Entrance Road and Practice Field Plan View

Individual Permit
 Tomball ISD Approximately 150-Acres
 Tomball, Harris County, Texas

EXHIBIT
 5.2



NOT TO SCALE

| | |
|--------------|----------|
| Project No.: | 92187338 |
| Date: | Dec 2019 |
| Drawn By: | CG |
| Reviewed By: | JL |



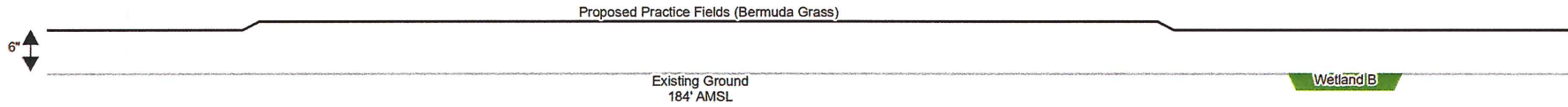
11555 Clay Road, Suite 100 Houston, TX 77043
 PH. (713) 690-8989 terracon.com

North Entrance Road Cross Section A - A'

Individual Permit
 Tomball ISD Approximately 150-Acres
 Tomball, Harris County, Texas

Exhibit

5.3



NOT TO SCALE

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|--------------|----------|
| Project No.: | 92187338 |
| Date: | Dec 2019 |
| Drawn By: | CG |
| Reviewed By: | JL |

Terracon

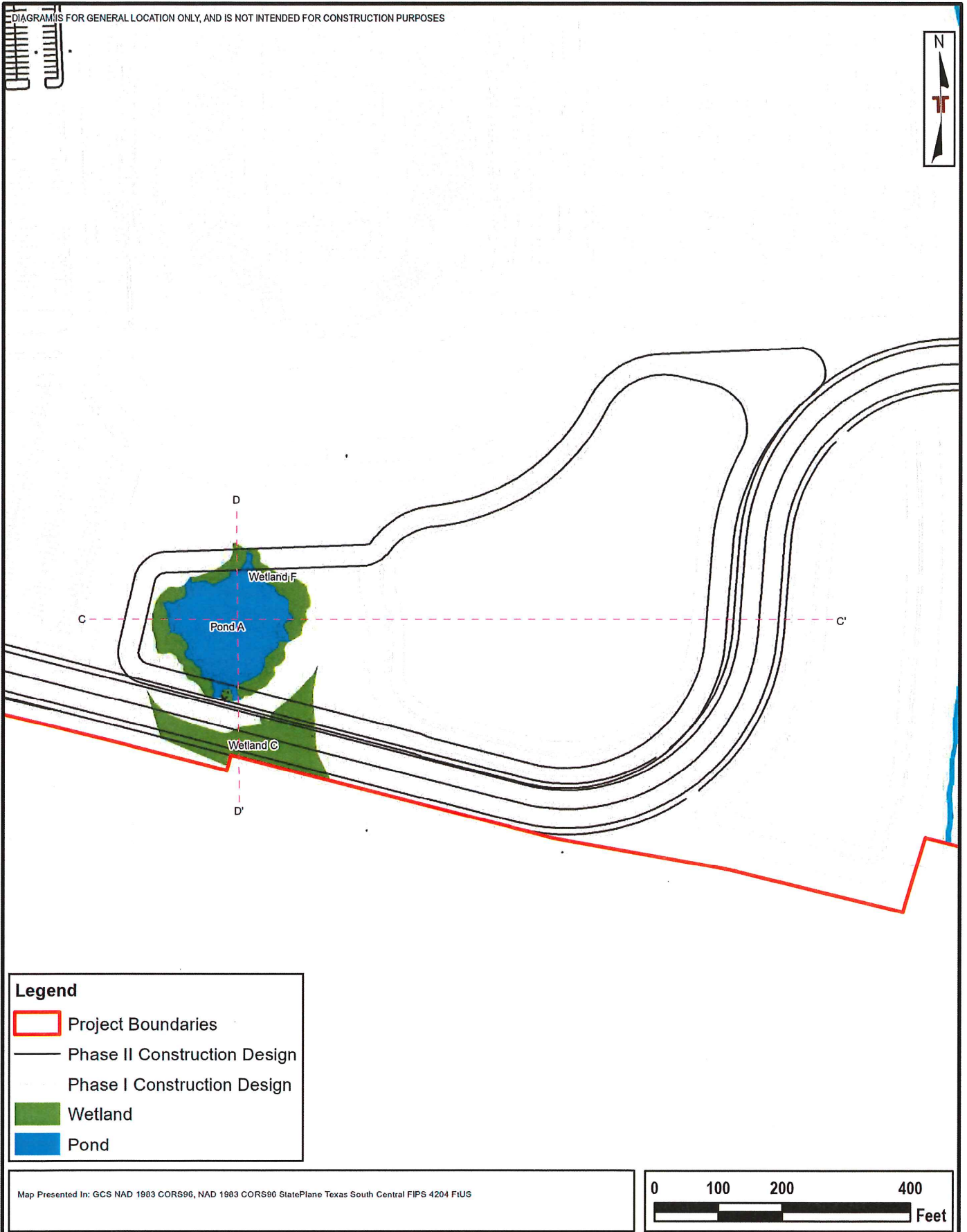
11555 Clay Road, Suite 100 Houston, TX 77043
 PH. (713) 690-8989 terracon.com

| |
|---|
| Practice Field Cross Section B - B' |
| Individual Permit Tomball ISD Approximately 150-Acres Tomball, Harris County, Texas |

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| Exhibit |
| 5.4 |

N:\GIS Data\Natural Resources\Projects\2018\02187338\Project Mxds\North Parcel\02187338 Exhibit 5.4 - Practice Field Cross Section View B-B'.mxd

JAN 06 2020



N:\GIS_Data\Natural Resources\Projects\2018\92187338\Project Mxd\North Parcel\IP\92187338 Exhibit 5.5 - Detention Basin Plan View.mxd, Revised: 12-05-2019, 8:52:14 AM

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| Project Mng: | CG |
| Drawn By: | CG |
| Checked By: | JL |
| Approved By: | JL |

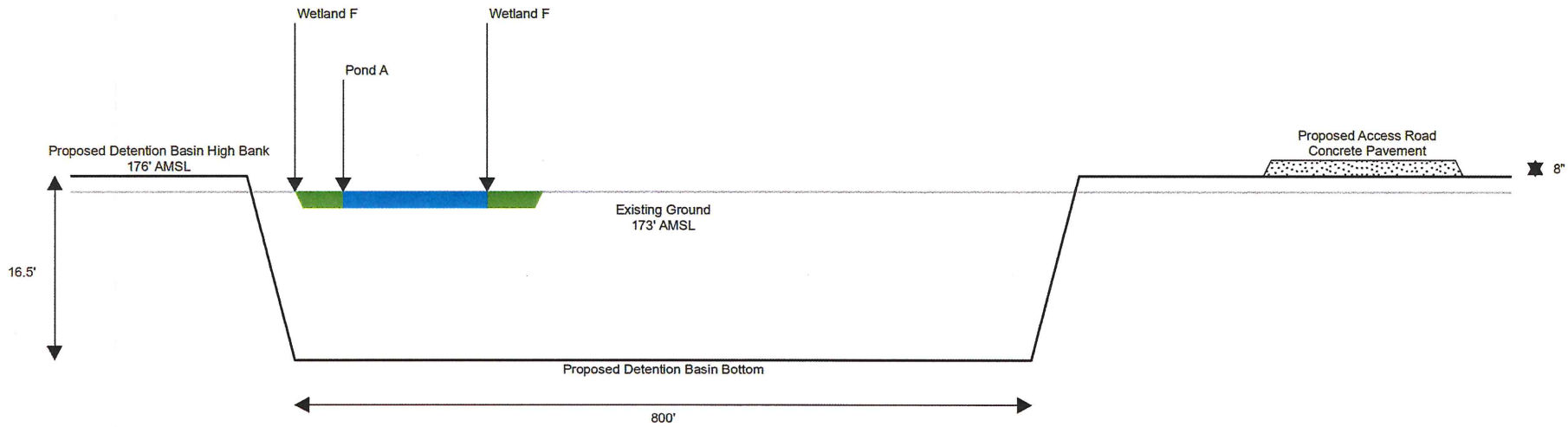
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|-------------|------------|
| Project No. | 92187338 |
| Scale: | 1" = 200' |
| Report: | IP |
| Date: | 12-05-2019 |

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 Consulting Engineers and Scientists
 11555 CLAY ROAD, SUITE 100 HOUSTON, TX 77043
 FH. (713) 690-8989 FAX. (713) 690-8767

Detention Basin Plan View

Individual Permit
 Tomball ISD Approximately 150-Acres
 Tomball, Harris County, Texas

EXHIBIT
 5.5



NOT TO SCALE

| | |
|--------------|----------|
| Project No.: | 92187338 |
| Date: | Dec 2019 |
| Drawn By: | CG |
| Reviewed By: | JL |



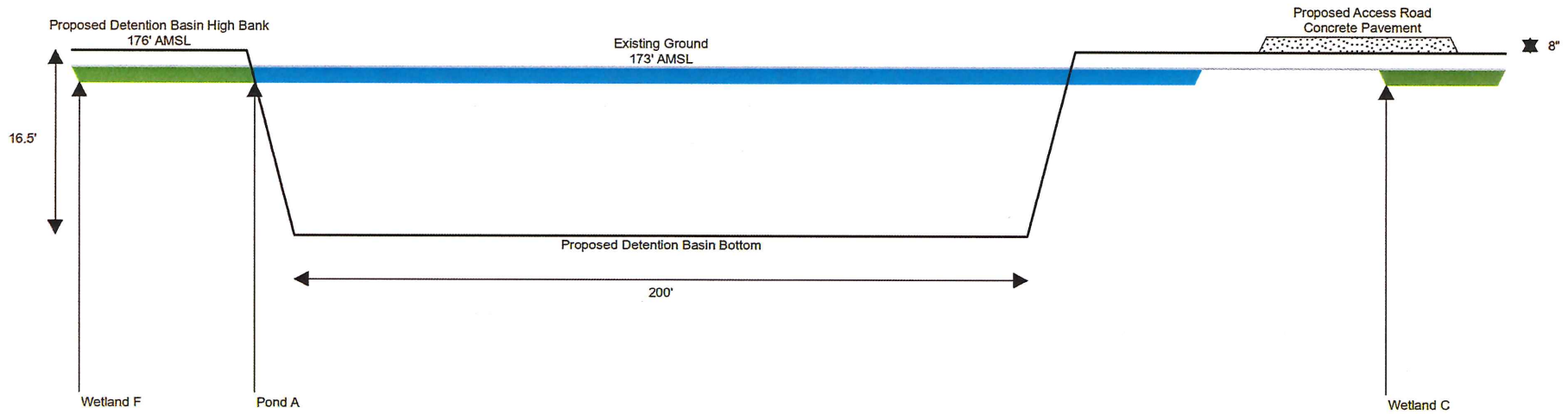
11555 Clay Road, Suite 100 Houston, TX 77043
 PH. (713) 690-8989 terracon.com

Detention Basin Cross Section View C - C'

Individual Permit
 Tomball ISD Approximately 150-Acres
 Tomball, Harris County, Texas

Exhibit

5.6



NOT TO SCALE

| | |
|--------------|----------|
| Project No.: | 92187338 |
| Date: | Dec 2019 |
| Drawn By: | CG |
| Reviewed By: | JL |

Terracon

11555 Clay Road, Suite 100 Houston, TX 77043
 PH. (713) 690-8989 terracon.com

Detention Basin Cross Section View D - D'

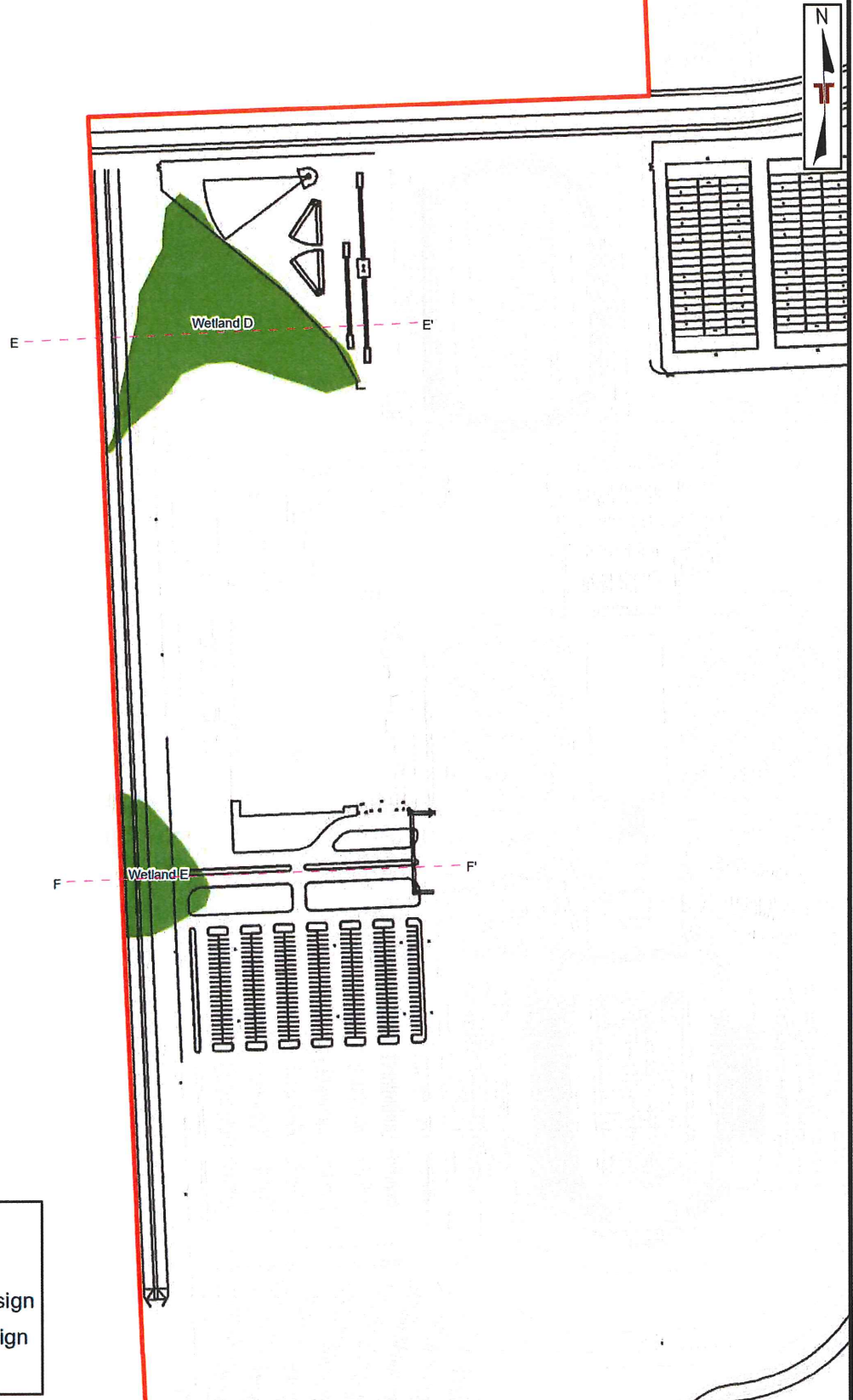
Individual Permit
 Tomball ISD Approximately 150-Acres
 Tomball, Harris County, Texas

Exhibit

5.7

JAN 06 2020

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES



Legend

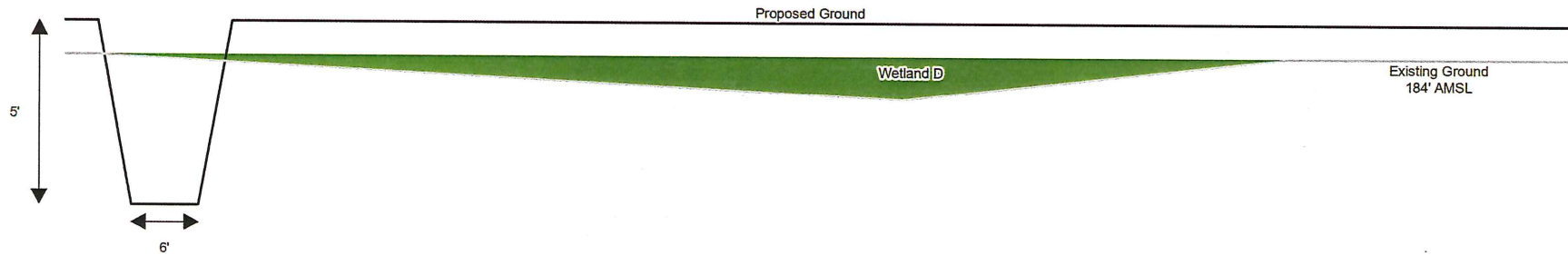
- Project Boundaries
- Phase II Construction Design
- Phase I Construction Design
- Wetland

Map Presented In: GCS NAD 1983 CORS96, NAD 1983 CORS96 StatePlane Texas South Central FIPS 4204 F.TUS



N:\GIS_Data\Natural Resources\Projects\2018\92187338\Project\Mids\North Parcel\IP\92187338 Exhibit 5.8 - Drainage Ditch and South Stadium Parking Lot Plan View.mxd, Revised: 12-05-2019, 8:55:36 AM

| | | | | | |
|--|----|-------------|------------|--|---------|
| Project Mgr: | CG | Project No. | 92187338 | <p>Drainage Ditch and South Stadium Parking Lot Plan View</p> <p>Individual Permit</p> <p>Tomball ISD Approximately 150-Acres</p> <p>Tomball, Harris County, Texas</p> | EXHIBIT |
| Drawn By: | CG | Scale: | 1" = 300' | | 5.8 |
| Checked By: | JL | Report: | IP | | |
| Approved By: | JL | Date: | 12-05-2019 | | |
| <p>11555 CLAY ROAD, SUITE, 100 HOUSTON, TX 77043</p> <p>PH. (713) 690-6950 FAX. (713) 690-6767</p> | | | | | |



NOT TO SCALE

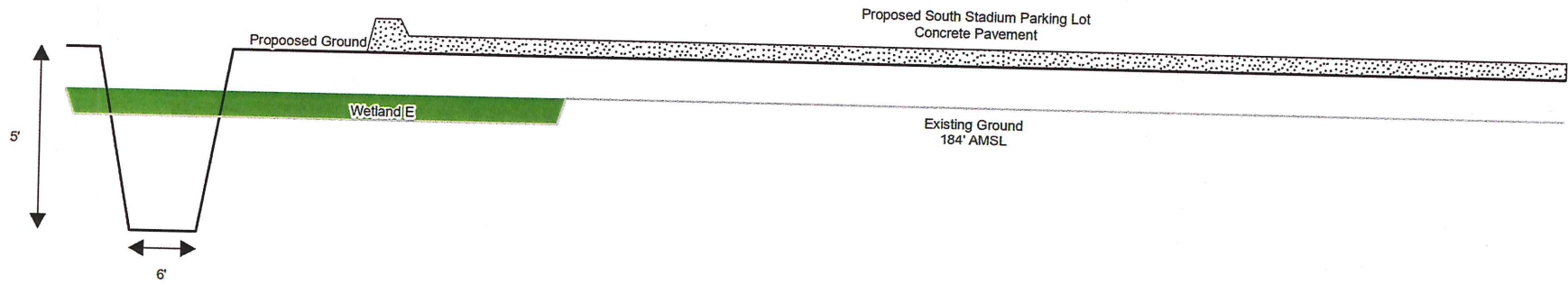
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| Project No.: | 92187338 |
| Date: | Dec 2019 |
| Drawn By: | CG |
| Reviewed By: | JL |

Terracon

11555 Clay Road, Suite 100 Houston, TX 77043
 PH. (713) 690-8989 terracon.com

| |
|---|
| Drainage Ditch Cross Section E - E' |
| Individual Permit Tomball ISD Approximately 150-Acres Tomball, Harris County, Texas |

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|----------------|
| Exhibit |
| 5.9 |



NOT TO SCALE

| | |
|--------------|----------|
| Project No.: | 92187338 |
| Date: | Dec 2019 |
| Drawn By: | JL |
| Reviewed By: | JL |

Terracon

11555 Clay Road, Suite 100 Houston, TX 77043
 PH. (713) 690-8989 terracon.com

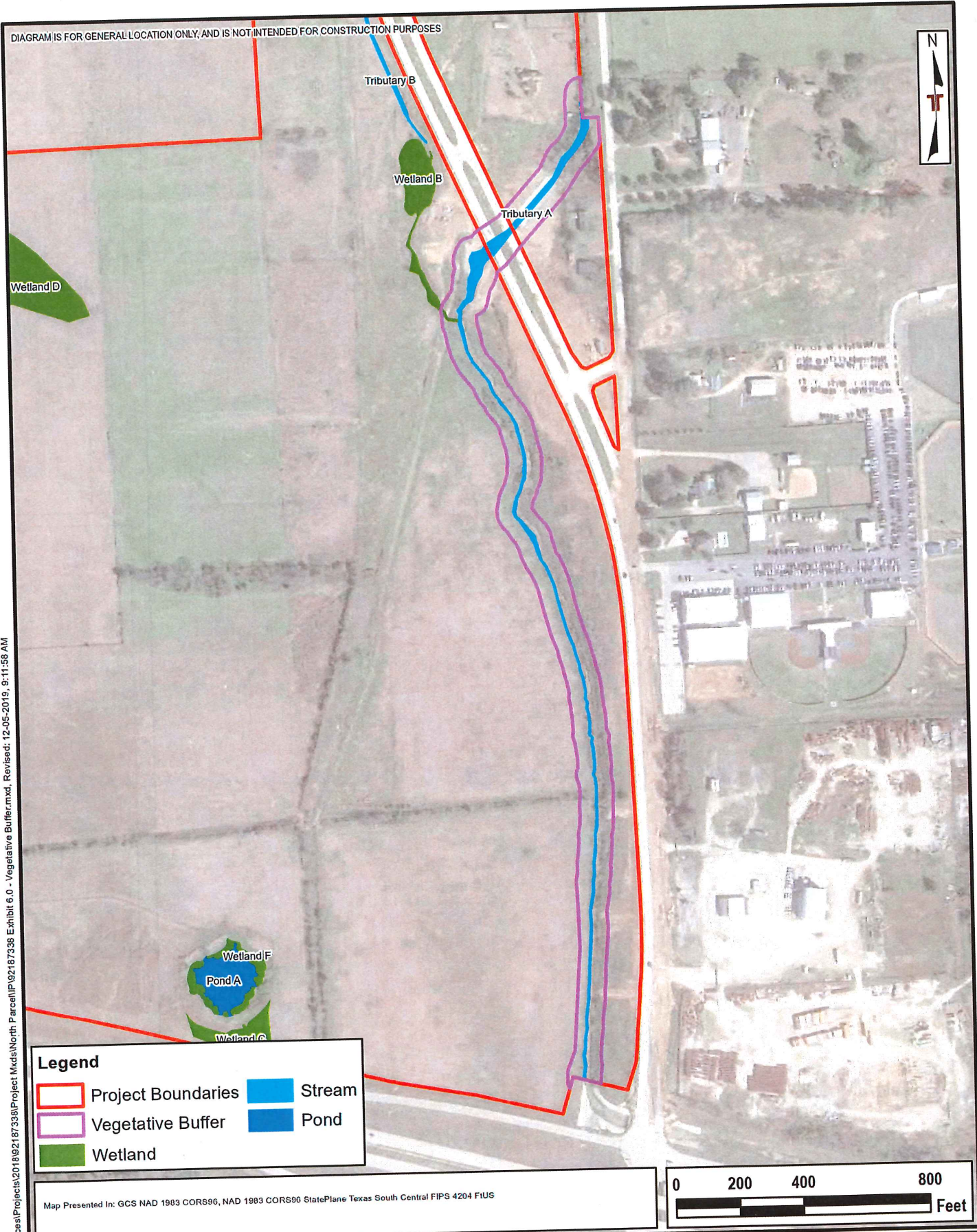
Drainage Ditch Cross Section F - F'

Individual Permit
 Tomball ISD Approximately 151-Acres
 Tomball, Harris County, Texas

Exhibit






5.10

N:\GIS\ Data\Natural Resources\Projects\2018\0971873338\Project Mxd\North Parcel\192187338 Exhibit 5.10 - Drainage Ditch Cross Section View F-F'.mxd
 JAN 06 2020



N:\GIS_Data\Natural Resources\Projects\2018\92187338\Project Mxd\North Parcel\IP\92187338 Exhibit 6.0 - Vegetative Buffer.mxd, Revised: 12-05-2019, 9:11:58 AM

Legend

| | | | |
|---|--------------------|---|--------|
|  | Project Boundaries |  | Stream |
|  | Vegetative Buffer |  | Pond |
|  | Wetland | | |

Map Presented In: GCS NAD 1983 CORS96, NAD 1983 CORS96 StatePlane Texas South Central FIPS 4204 FUS



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|--------------|----|
| Project Mng: | CG |
| Drawn By: | CG |
| Checked By: | JL |
| Approved By: | JL |

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|-------------|------------|
| Project No. | 92187338 |
| Scale: | 1" = 400' |
| Report: | IP |
| Date: | 12-05-2019 |

Terracon
 Consulting Engineers and Scientists
 11555 CLAY ROAD, SUITE 100 HOUSTON, TX 77643
 FH: (713) 690-8989 FAX: (713) 690-8787

Tributary A Avoidance and Minimization Measures

Individual Permit
 Tomball ISD Approximately 150-Acres
 Tomball, Harris County, Texas

EXHIBIT
 6.0

JAN 06 2020

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES



Direction of Surface Flow

Wetland A
Wetland H
Wetland G

Tributary B

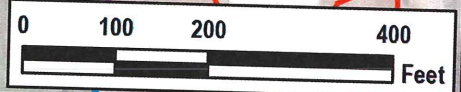
Wetland B

Tributary A

Legend

-  Project Boundaries
-  Avoided Areas
-  Wetland
-  Stream
-  Pond

Map Presented In: GCS NAD 1983 CORS96, NAD 1983 CORS96 StatePlane Texas South Central FIPS 4204 FIPS



N:\GIS_Data\Natural Resources\Projects\2019\2187338\Project Mxds\North Parcel\IP\92187338 Exhibit 6.1 - North Wetland Complex Avoided Areas.mxd, Revised: 12-05-2019, 9:23:36 AM

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|---------------|----|-------------|------------|
| Project Mngr: | CG | Project No. | 92187338 |
| Drawn By: | CG | Scale: | 1" = 200' |
| Checked By: | JL | Report: | IP |
| Approved By: | JL | Date: | 12-05-2019 |

Terracon
 Consulting Engineers and Scientists
 11555 CLAY ROAD, SUITE 100 HOUSTON, TX 77043
 PH: (713) 690-8580 FAX: (713) 690-5787

North Wetland Complex Avoidance and Minimization Measures






Individual Permit
 Tomball ISD Approximately 150-Acres
 Tomball, Harris County, Texas

EXHIBIT
 6.1

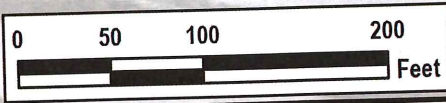


N:\GIS_Data\Natural Resources\Projects\2018\2187338\Project Mxdas\North Parcel\IP\92187338 Exhibit 6.2 - South Wetland Complex Avoided Areas.mxd, Revised: 12-05-2019, 9:22:00 AM

Legend

| | | | |
|---|--------------------|---|---------|
|  | Avoided Areas |  | Wetland |
|  | Project Boundaries |  | Pond |
|  | Curb Cutout | | |

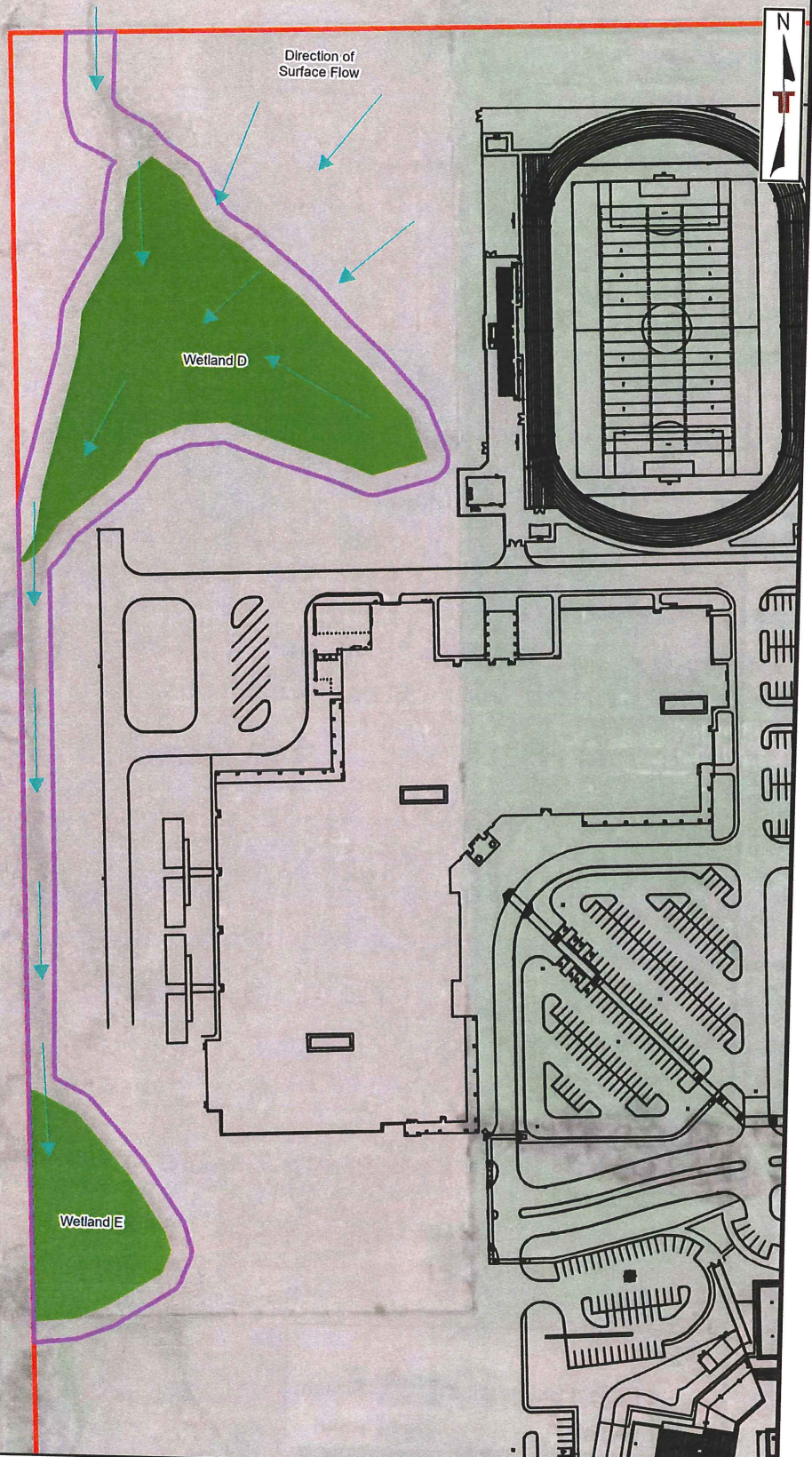
Map Presented In: GCS NAD 1983 CORRS96, NAD 1983 CORRS90 StatePlane Texas South Central FIPS 4204 F1US



| | | | | | | | | | |
|---|--|--|--|---|--|--|--|--------------------|--|
| Project Mngr: CG Drawn By: CG Checked By: JL Approved By: JL | | Project No. 92187338 Scale: 1" = 100' Report: IP Date: 12-05-2019 | |  Terracon Consulting Engineers and Scientists 11555 CLAY ROAD, SUITE 100 HOUSTON, TX 77043 FH. (713) 690-6999 FAX. (713) 690-6767 | | South Wetland Complex Avoidance and Minimization Measures Individual Permit Tomball ISD Approximately 150-Acres Tomball, Harris County, Texas | | EXHIBIT 6.2 | |
|---|--|--|--|---|--|--|--|--------------------|--|

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

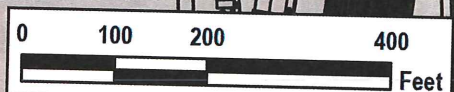
N:\GIS_Data\Natural Resources\Projects\2018\92187338\Project Mxds\North Parcel\IP\92187338 Exhibit 6.3 - West Wetland Complex Avoided Areas.mxd, Revised: 12-05-2019, 9:20:22 AM



Legend

- Project Boundaries
- Avoided Areas
- Wetland
- Stream
- Pond

Map Presented In: GCS NAD 1983 CORS96, NAD 1983 CORS96 StatePlane Texas South Central FIPS 4204 FUS



| | | | |
|--------------|----|-------------|------------|
| Project Mng: | CG | Project No. | 92187338 |
| Drawn By: | CG | Scale: | 1" = 200' |
| Checked By: | JL | Report: | IP |
| Approved By: | JL | Date: | 12-05-2019 |

Terracon
 Consulting Engineers and Scientists
 11555 CLAY ROAD, SUITE 100 HOUSTON, TX 77043
 PH. (713) 690-6989 FAX. (713) 690-6767

North Wetland Complex Avoidance and Minimization Measures

Individual Permit
 Tomball ISD Approximately 150-Acres
 Tomball, Harris County, Texas

EXHIBIT
 6.3