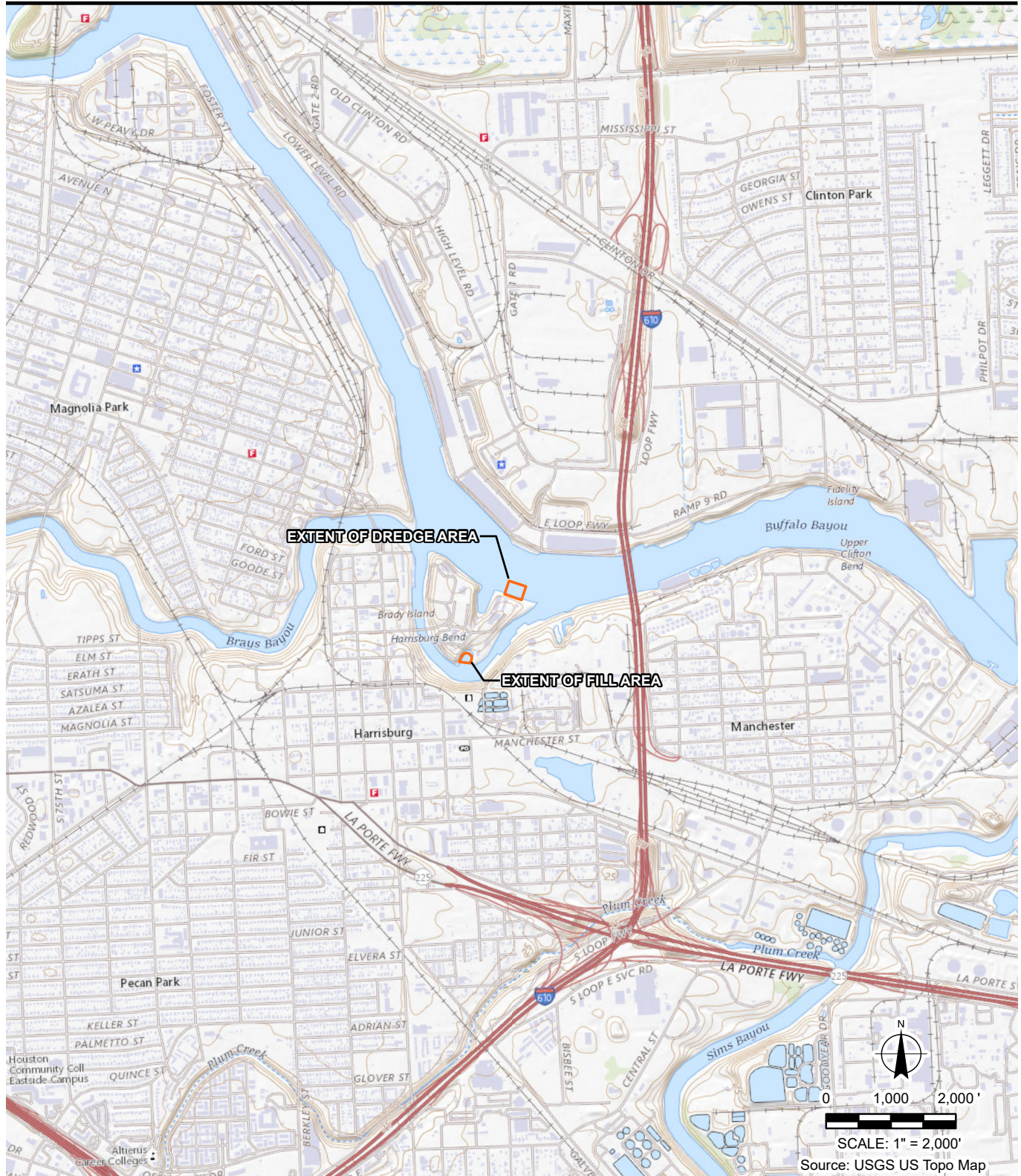


F:\WM\1000-1100\1050\1050.100\GIS\1050.100.aprx



**BRAUN
INTERTEC**
The Science You Build On.

10075 Windfern Rd
Houston, TX 77064
713.230.8436
braunintertec.com

Project No:
01050.100

Drawing No:
Fig1_SiteLocation

Drawn By: JPM
Date Drawn: 7/14/2023
Checked By: KD
Last Modified: 7/17/2023

Brady Island Dredging

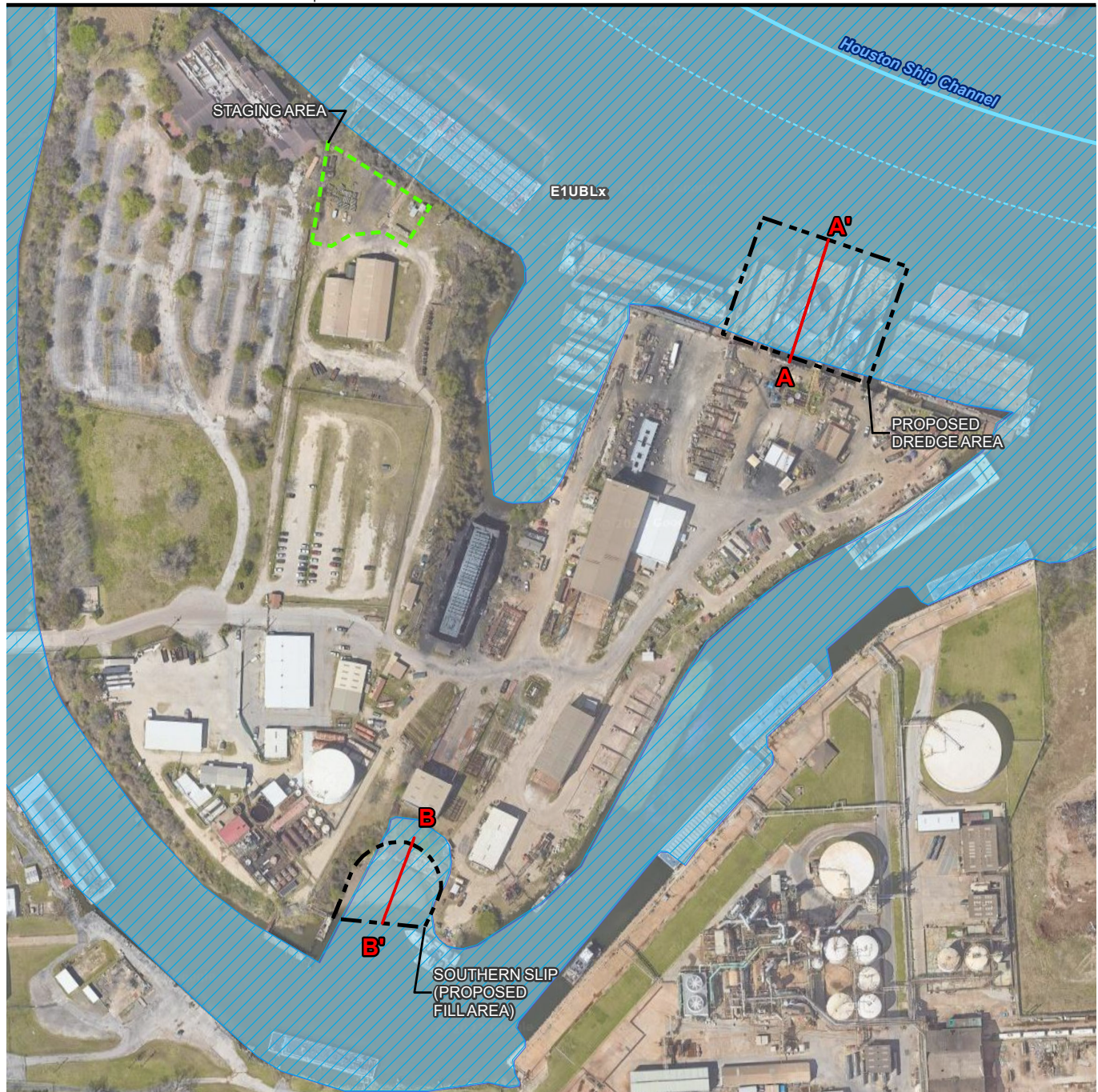
8502 Cypress Street

Houston, Texas

Site Vicinity Map

Figure 1

F:\WM\1000-1100\1050\01050.100\GIS\01050.100.aprx



- Extent of Dredge/Fill Areas
- Staging Area
- Cross Section Index
- Approximate Houston Ship Channel Centerline
- Approximate Extent of Houston Ship Channel
- Wetland - Estuarine & Marine Deepwater (US FWS National Wetland Inventory)
- Waters of the US (USGS NHD)

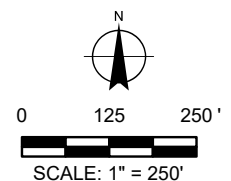


Image Source: Google Earth Imagery

**BRAUN
INTERTEC**
The Science You Build On.

10075 Windfern Rd
Houston, TX 77064
713.230.8436
braunintertec.com

Project No:
01050.100

Drawing No:
Fig2_SiteLayout

Drawn By: JPM
Date Drawn: 4/27/2022
Checked By: KD
Last Modified: 7/19/2023

Brady Island Dredging

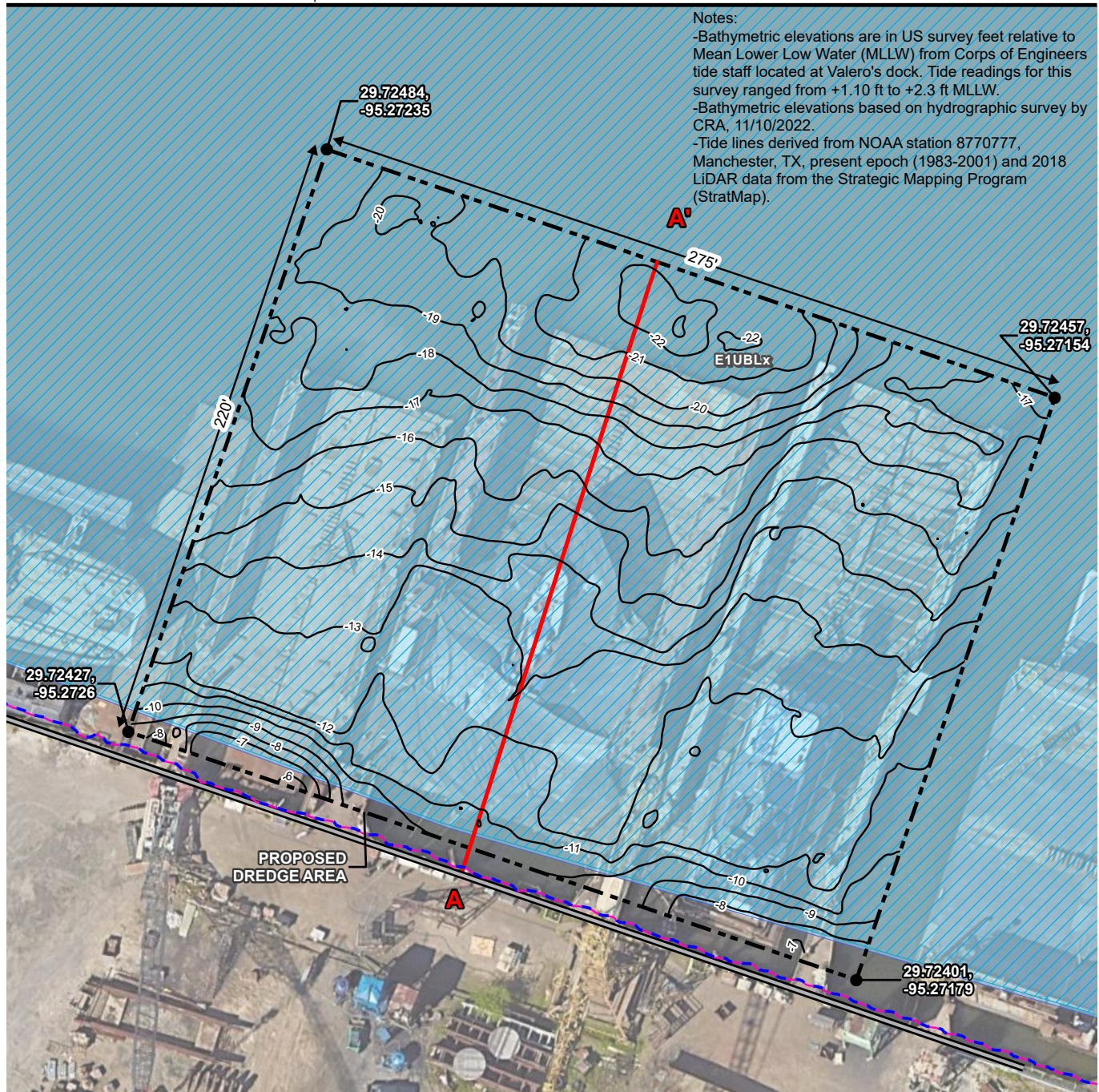
8502 Cypress Street

Houston, Texas

Site Layout

Figure 2

F:\WM\1000-1100\1050\01050.100\GIS\01050.100.aprx



Extent of Dredge Area (1.39 Acres)

Cross Section Location

Dredge Area Corner

Waters of the US (USGS NHD)

Wetland - Estuarine & Marine Deepwater (US FWS National Wetland Inventory)

Existing Bulkhead

Elevation Relative to MLLW (feet)

Mean High Water (MHW), 1.63 feet NAVD88

Mean Higher-High Water (MHHW), 1.75 feet NAVD88



0 25 50'

SCALE: 1" = 50'

Image Source: Google Earth Imagery

**BRAUN
INTERTEC**
The Science You Build On.

10075 Windfern Rd
Houston, TX 77064
713.230.8436
braunintertec.com

Project No:
01050.100

Drawing No:
Fig3_DredgeArea

Drawn By: JPM
Date Drawn: 4/27/2022
Checked By: KD
Last Modified: 7/18/2023

Brady Island Dredging

8502 Cypress Street

Houston, Texas

Dredge Area

Figure 3



10075 Windfern Road
Houston, TX 77064
832.402.1899
braunintertec.com



Drawing Information

Project No:
01050.100
Drawing No:
1050.100_REV
Drawn By: JPM
Date Drawn: 11/4/2022
Checked By: KD
Last Modified: 7/18/23

Project Information

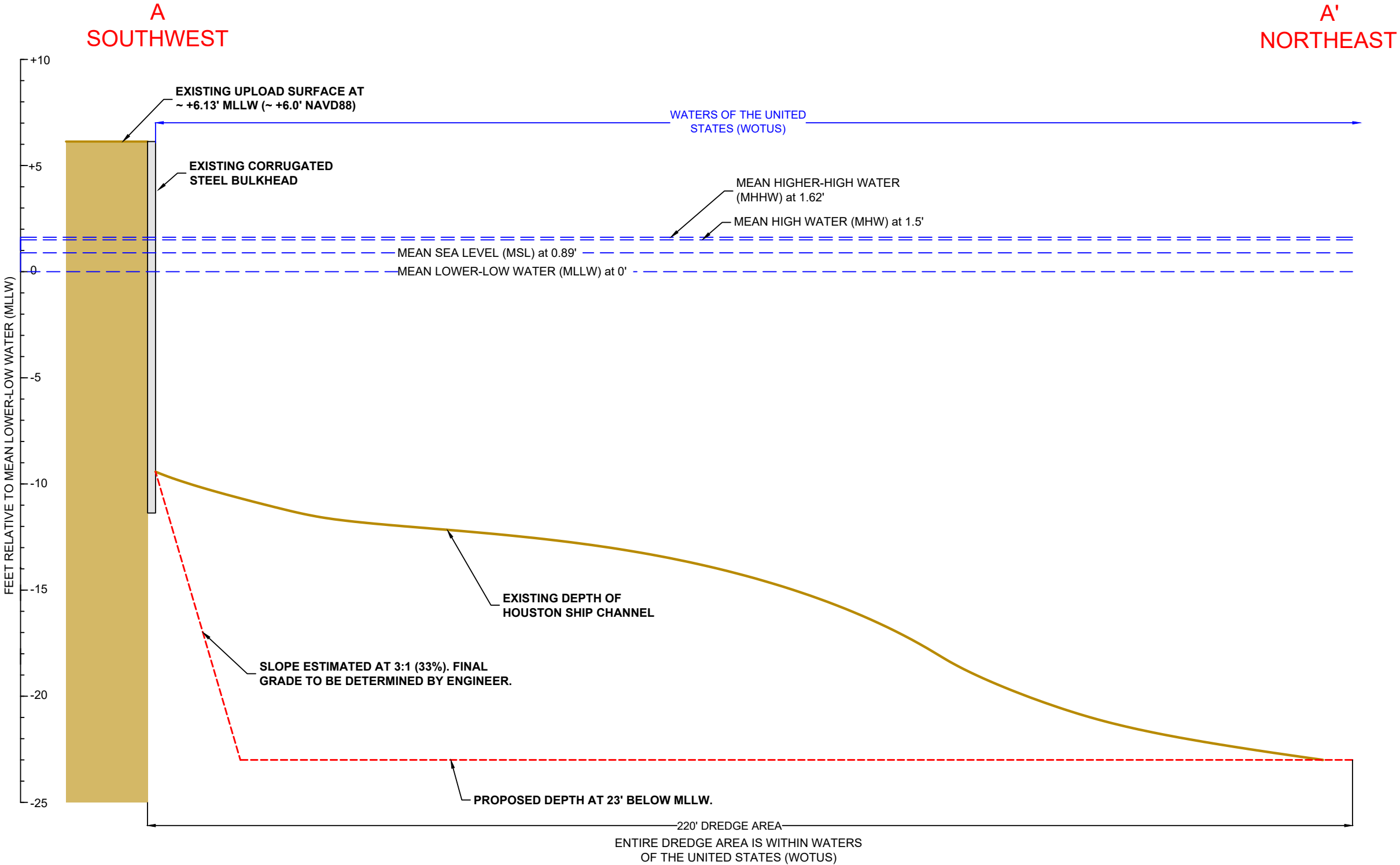
Brady Island Dredging

8502 Cypress Street

Houston, Texas

Typical Cross
Section A-A'

Figure 4



- Water Level Relative to MLLW
- Existing Channel Depth
- Proposed Dredging Depth

Notes:
-Existing ship channel depths/elevations based on hydrographic survey by CRA, 11/10/2022. Depths/elevations are in US survey feet relative to Mean Lower Low Water (MLLW) from Corps of Engineers tide staff located at Valero's dock. Tide readings for this survey ranged from +1.10 ft to +2.3 ft MLLW.
-Water levels based on MLLW datum for NOAA station 8770777, Manchester, TX, present epoch (1983-2001).
-Existing upland surface elevation based on digital elevation model derived from Strategic Mapping Program (StratMap) 2018 LiDAR data.

10 0 20
SCALE: 1" = 20'
4X VERTICAL EXAGGERATION

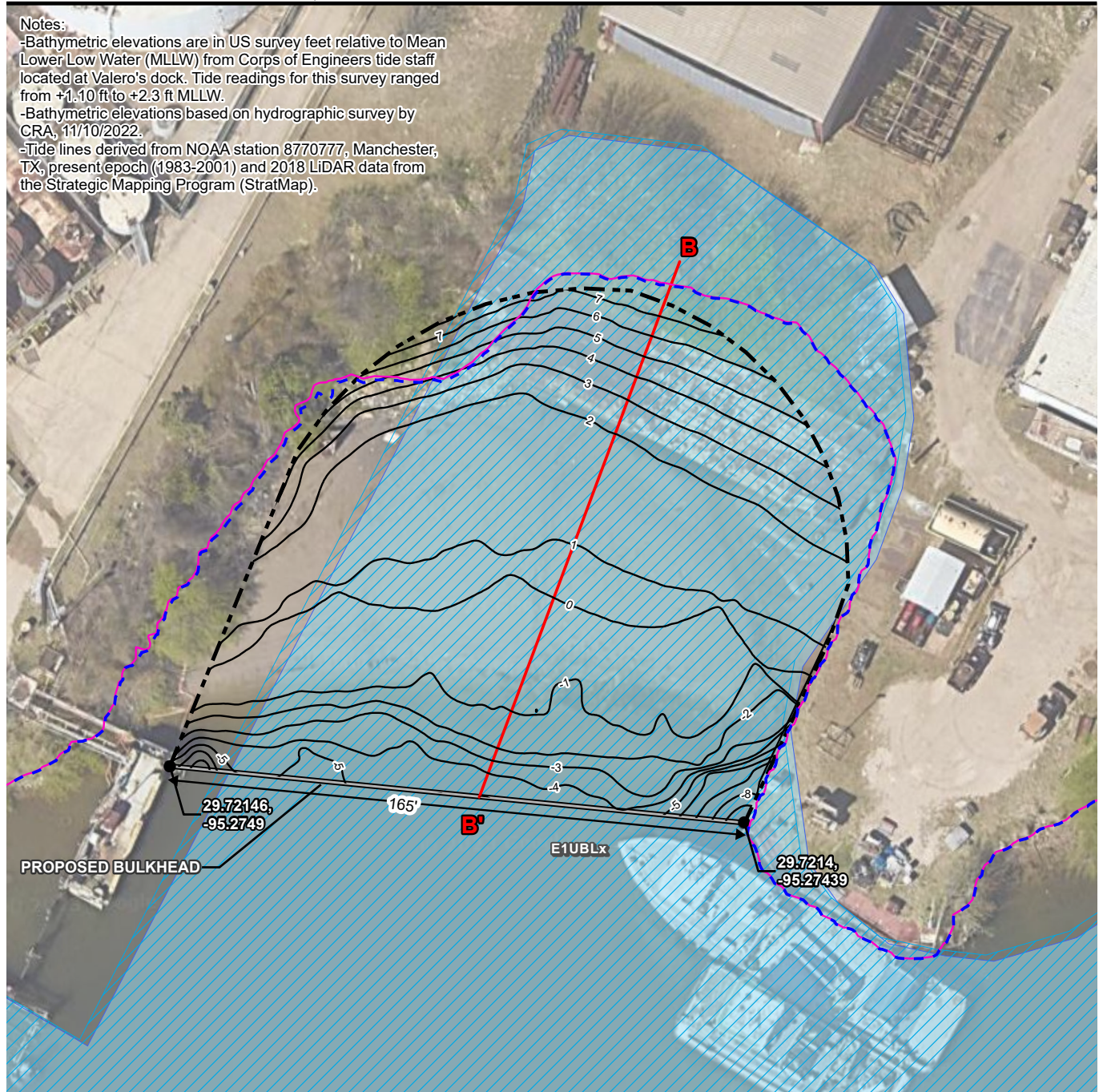
F:\WM\1000-1100\1050\01050.100\GIS\01050.100.aprx

Notes:

-Bathymetric elevations are in US survey feet relative to Mean Lower Low Water (MLLW) from Corps of Engineers tide staff located at Valero's dock. Tide readings for this survey ranged from +1.10 ft to +2.3 ft MLLW.

-Bathymetric elevations based on hydrographic survey by CRA, 11/10/2022.

-Tide lines derived from NOAA station 8770777, Manchester, TX, present epoch (1983-2001) and 2018 LiDAR data from the Strategic Mapping Program (StratMap).



- Proposed Bulkhead
- - - Extent of Fill Area (0.49 Acres)
- Bulkhead Beginning/End Point
- Cross Section Index
- Elevation Relative to MLLW (feet)
- Waters of the US (USGS NHD)
- Wetland - Estuarine & Marine Deepwater (US FWS National Wetland Inventory)
- - - Mean High Water (MHW), 1.63 feet NAVD88
- Mean Higher-High Water (MHHW), 1.75 feet NAVD88

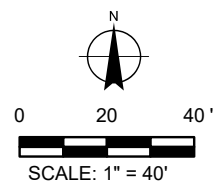


Image Source: Google Earth Imagery

**BRAUN
INTERTEC**
The Science You Build On.

10075 Windfern Rd
Houston, TX 77064
713.230.8436
braunintertec.com

Project No:
01050.100

Drawing No:
Fig5_SouthernSlip

Drawn By: JPM
Date Drawn: 3/9/2023
Checked By: KD
Last Modified: 7/17/2023

Brady Island Dredging

8502 Cypress Street

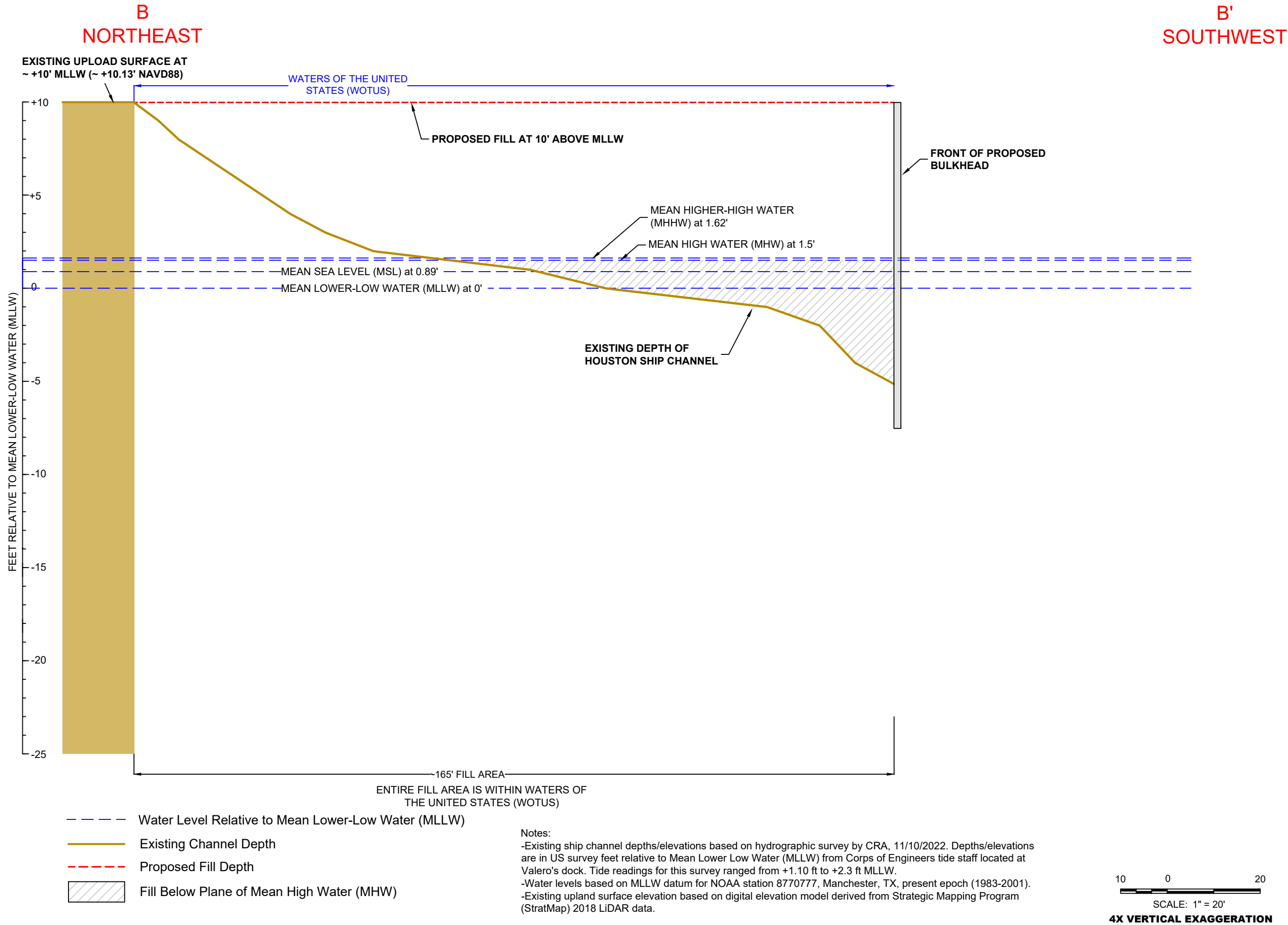
Houston, Texas

**Proposed Fill Area
(Southern Slip)**

Figure 5



10075 Windfern Road
Houston, TX 77064
832.402.1899
braunintertec.com



Drawing Information

Project No:
01050.100

Drawing No:
1050.100_REV

Drawn By: JPM
Date Drawn: 11/4/2022
Checked By: KD
Last Modified: 7/18/23

Project Information

Brady Island Dredging

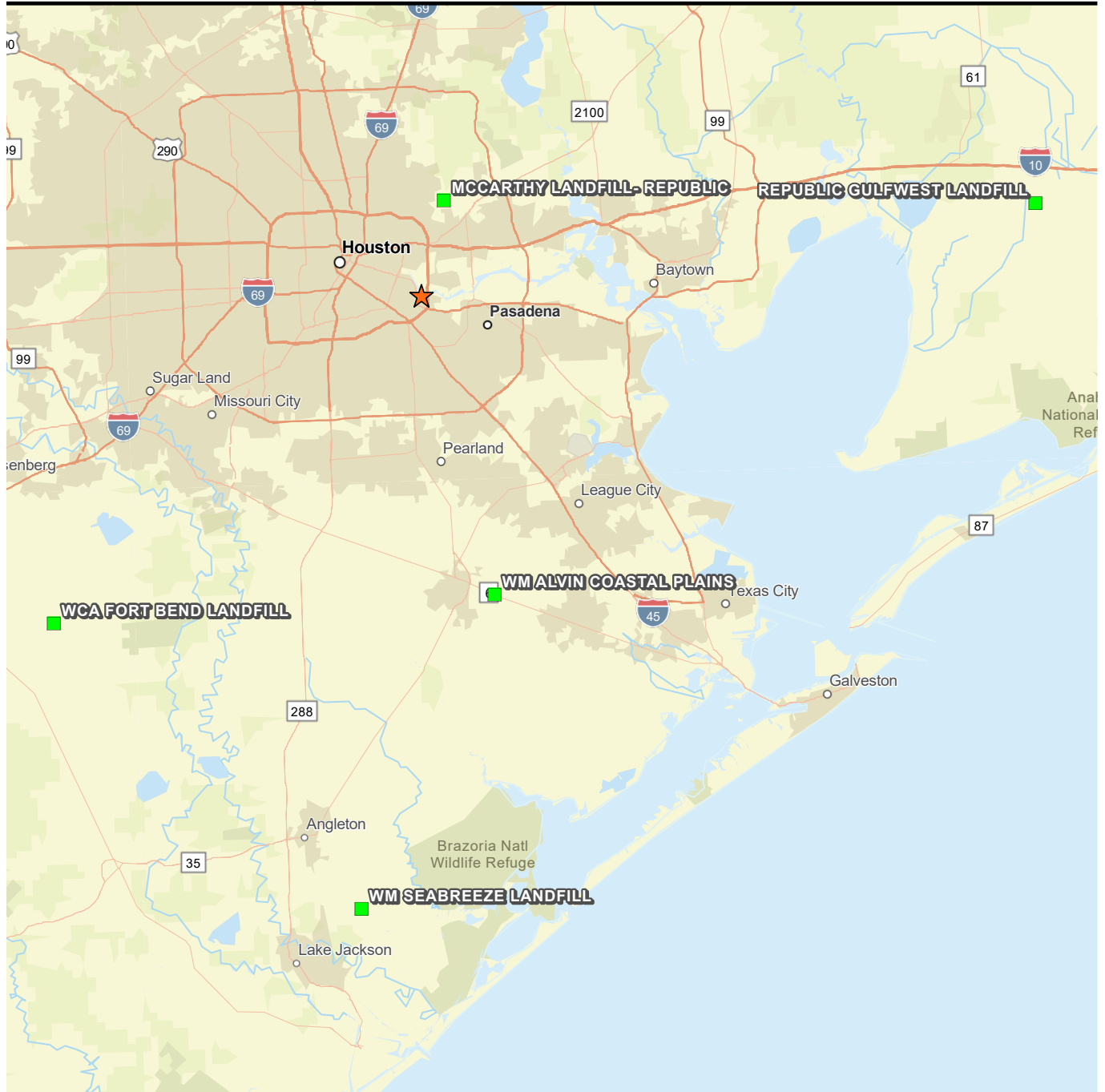
8502 Cypress Street

Houston, Texas

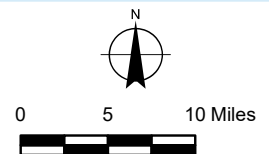
Typical Cross
Section B-B'

Figure 6

F:\WM\1000-1100\1050\01050.100\GIS\01050.100.aprx



- Approximate Site Boundary
- Permitted Landfill Potentially Utilized for Dredge Material Disposal
- ★ Approximate Project Location



SCALE: 1" = 10 mi

Image Source: Esri World Street Map

**BRAUN
INTERTEC**
The Science You Build On.

10075 Windfern Rd
Houston, TX 77064
713.230.8436
braunintertec.com

Project No:
01050.100

Drawing No:
Fig7_Landfills

Drawn By: JPM
Date Drawn: 7/14/2023
Checked By: KD
Last Modified: 7/17/2023

Brady Island Dredging

8502 Cypress Street

Houston, Texas

**Disposal
Facilities Map**

Figure 7