

LEGEND

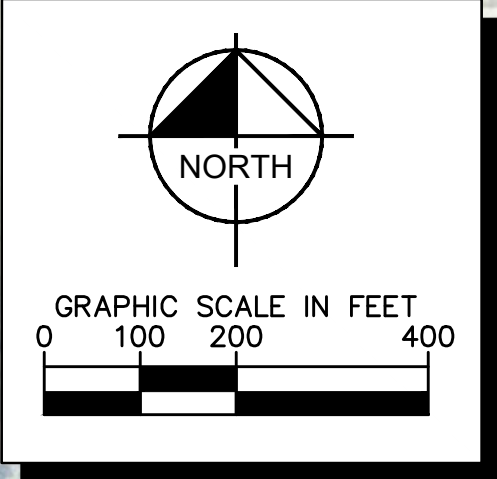
- 1-FOOT EXISTING AERIAL TOPOGRAPHY (TNRS, 2020)
- APPROXIMATE PROPERTY BOUNDARY (CCAD)
- REACH CENTERLINE
- 100-YEAR FEMA FLOODPLAIN (ZONE A)
- USEABLE AREA OUTSIDE FEMA FLOODPLAIN

NOTES:

- KIMLEY-HORN PERFORMED A CONCEPTUAL HYDRAULIC ANALYSIS FOR HONEY CREEK, HONEY CREEK TRIBUTARY 10, AND HAW BRANCH UTILIZING THE HEC-RAS V6.5 MODEL. FLOODPLAIN RECLAMATION ACTIVITY IS PROPOSED BETWEEN STATIONS 5181 AND 2097 ALONG HONEY CREEK AND BETWEEN STATIONS 2523 AND 554 ON HAW BRANCH. THE PRE-PROJECT MODEL GEOMETRY IS BASED ON LIDAR TOPOGRAPHY. MANNING'S "N" VALUES WERE CHOSEN BASED ON AERIAL PHOTOGRAPHY AND OPEN CHANNEL HYDRAULICS (CHOW, 1959). TWO PLAN FILES ARE INCLUDED IN THE HEC-RAS MODELS: PRE-PROJECT AND POST-PROJECT. PROPOSED POST-PROJECT GEOMETRY MODIFICATIONS FEATURE THE ADDITION OF BLOCKED OBSTRUCTIONS TO SIMULATE FLOODPLAIN FILL AND THE CONSTRUCTION OF A 15-ACRE-FOOT VALLEY STORAGE POND.
- ADDITIONAL DETAILING AND MODELING REQUIRED TO CONFIRM LIMITS OF POST-PROJECT FLOODPLAIN.
- ADDITIONAL DETAILING REQUIRED TO VERIFY CUT AND FILL DIRT NUMBERS.
- THE ANALYSIS DEMONSTRATES THAT THE WATER SURFACE ELEVATIONS, VELOCITY, AND VALLEY STORAGE REQUIREMENTS SATISFY COLLIN COUNTY'S REGULATORY CRITERIA.

1. KIMLEY-HORN PERFORMED A CONCEPTUAL HYDRAULIC ANALYSIS FOR HONEY CREEK, HONEY CREEK TRIBUTARY 10, AND HAWN BRANCH UTILIZING THE HEC-RAS V6.5 MODEL. FLOODPLAIN RECLAMATION ACTIVITY IS PROPOSED BETWEEN STATIONS 2581 AND 2097 ALONG HONEY CREEK AND BETWEEN STATIONS 2523 AND 554 ON HAWN BRANCH. THE PRE-PROJECT, POST-PROJECT, AND POST-PROJECT WITH TOPOGRAPHY MAINTAINING ITS VALUES WERE CHOSEN BASED ON AERIAL PHOTOGRAPHY AND OPEN CHANNEL HYDRAULICS (CHOW, 1959). TWO PLAN FILES ARE INCLUDED IN THE HEC-RAS MODELS: PRE-PROJECT AND POST-PROJECT. PROPOSED POST-PROJECT GEOMETRY MODIFICATIONS FEATURE THE ADDITION OF BLOCKED OBSTRUCTIONS TO SIMULATE FLOODPLAIN FILL AND THE CONSTRUCTION OF A 15-ACRE-FOOT VALLEY STORAGE POND.
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6.30
 1-FOOT EXISTING AERIAL TOPOGRAPHY (TNRS, 2020)
 APPROXIMATE PROPERTY BOUNDARY (CCAD)
 REACH CENTERLINE
 100-YEAR FEMA FLOODPLAIN (ZONE A)
 USEABLE AREA OUTSIDE FEMA FLOODPLAIN

[illegible]

Kimley»»Horn
6160 Warren Parkway, SUITE 210
FRISCO, TEXAS 75034
PHONE: 972-735-3580 FAX: 972-335-3779
TEXAS REGISTERED ENGINEERING FIRM F-928

PROJECT NO. 11111111
DATE: OCTOBER 2025
SCALE: AS SHOWN
DESIGNED BY: AJW
DRAWN BY: AJW
CHECKED BY: HAT

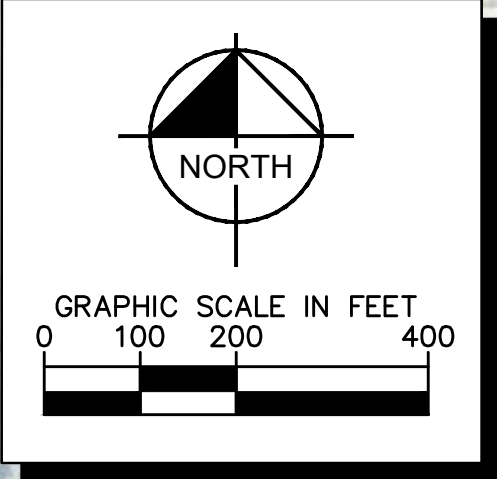
WESTON RECLAMATION
COLLIN COUNTY, TEXAS

CONCEPTUAL
FLOODPLAIN MAP -
USEABLE FEMA AREA

SHEET NUMBER
EXH-2

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED; REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

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PRELIMINARY

FOR REVIEW ONLY
Not for construction or permit purposes.

Kimley»Horn

Engineer HUNTER A. THOMPSON

P.E. No. 146009 Date OCT 2025

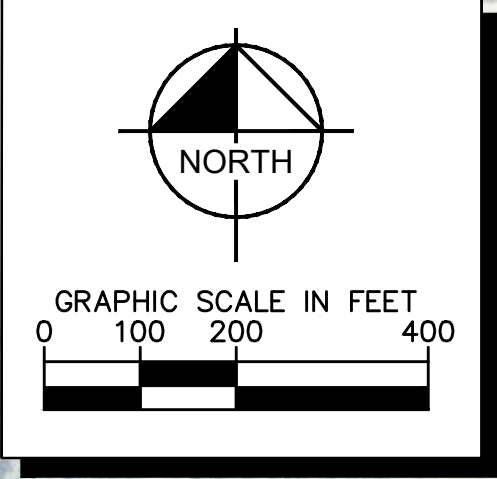
CONCEPTUAL
FLOODPLAIN MAP -
USEABLE STUDIED AREA

SHEET NUMBER
EXH-3

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- ±6.3 AC USEABLE OUTSIDE RECLAIMABLE FLOODPLAIN

HONEY CREEK

COUNTY ROAD 171

WESTON RECLAMATION
COLLIN COUNTY, TEXAS

6160 Warren Parkway, SUITE 210
FRISCO, TEXAS 75034
PHONE: 972-335-3580 FAX: 972-335-3779
TEXAS REGISTERED ENGINEERING FIRM F-9

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