



IRBY CONSTRUCTION: Overhead to Underground Turnkey Solutions



Irby Construction

Overhead to Underground: The Three Pillars



Design

Outreach

Construction

Estimated Cost Per Mile

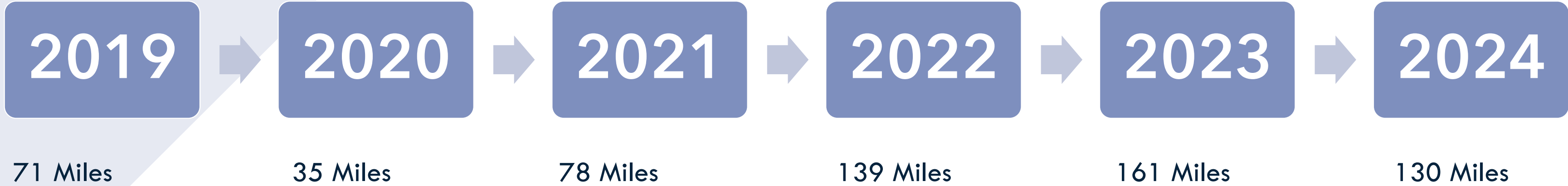
Design: \$ [REDACTED]

Outreach: \$ [REDACTED]

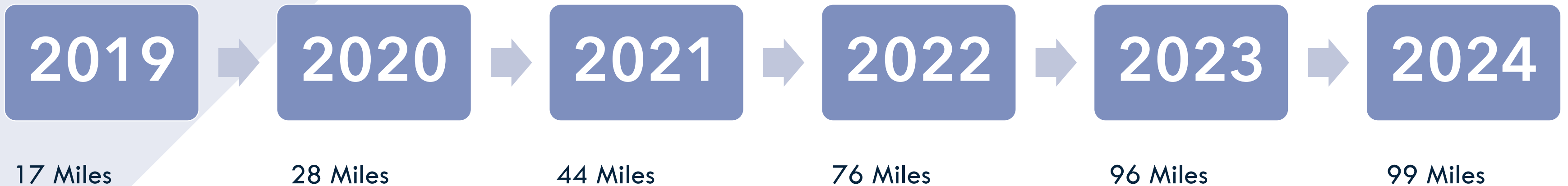
Construction: \$ [REDACTED]

Total CPM: \$ [REDACTED]

Our Overhead to Underground Projects by the Numbers: Design and Outreach

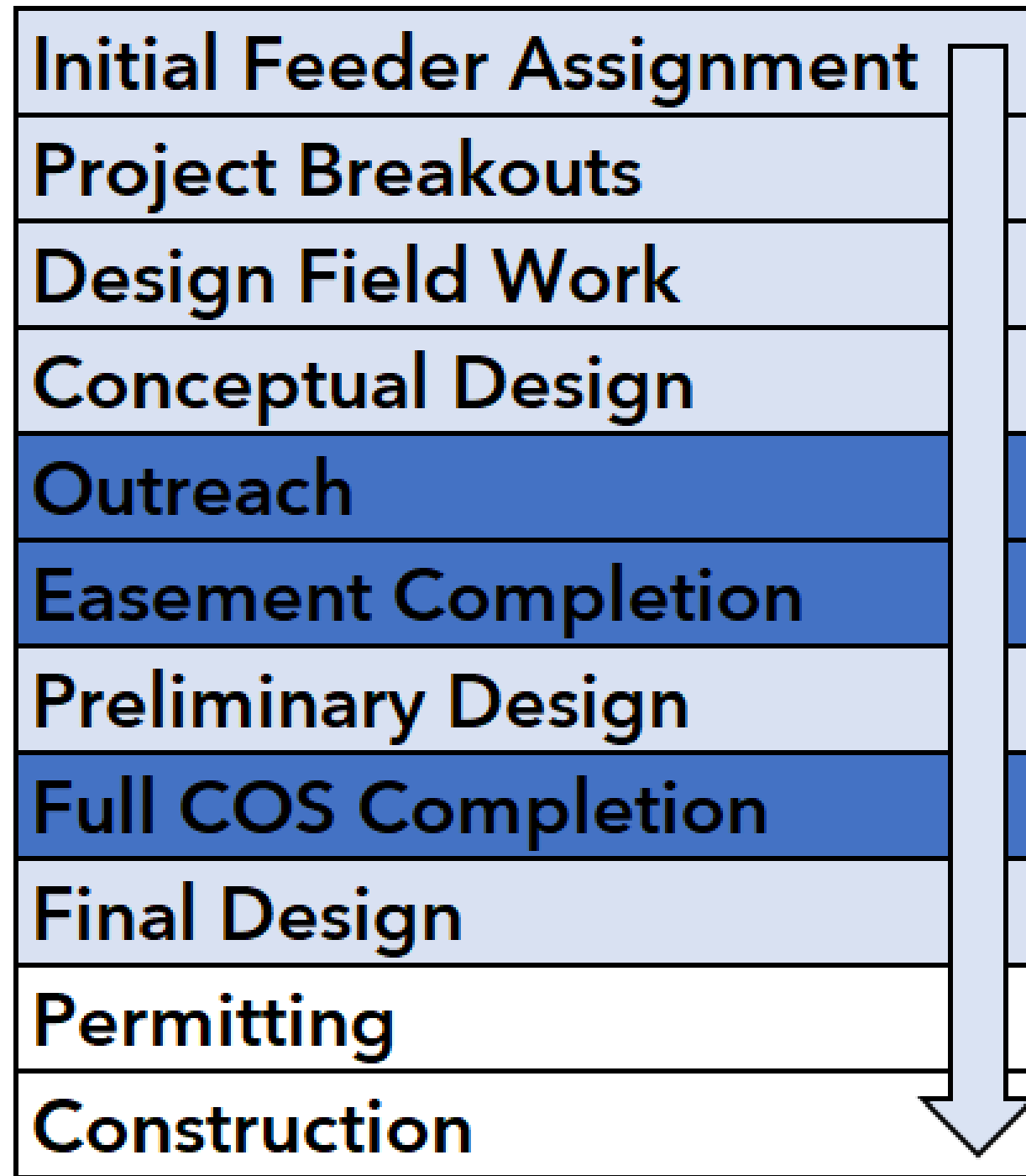


Our Overhead to Underground Projects by the Numbers: Construction



Overhead to Underground

Design and Outreach Process



Irby Construction Distribution Design

Duke - Substation Optimization

SECO - Engineering Services

FPL - Storm Secure Underground Program

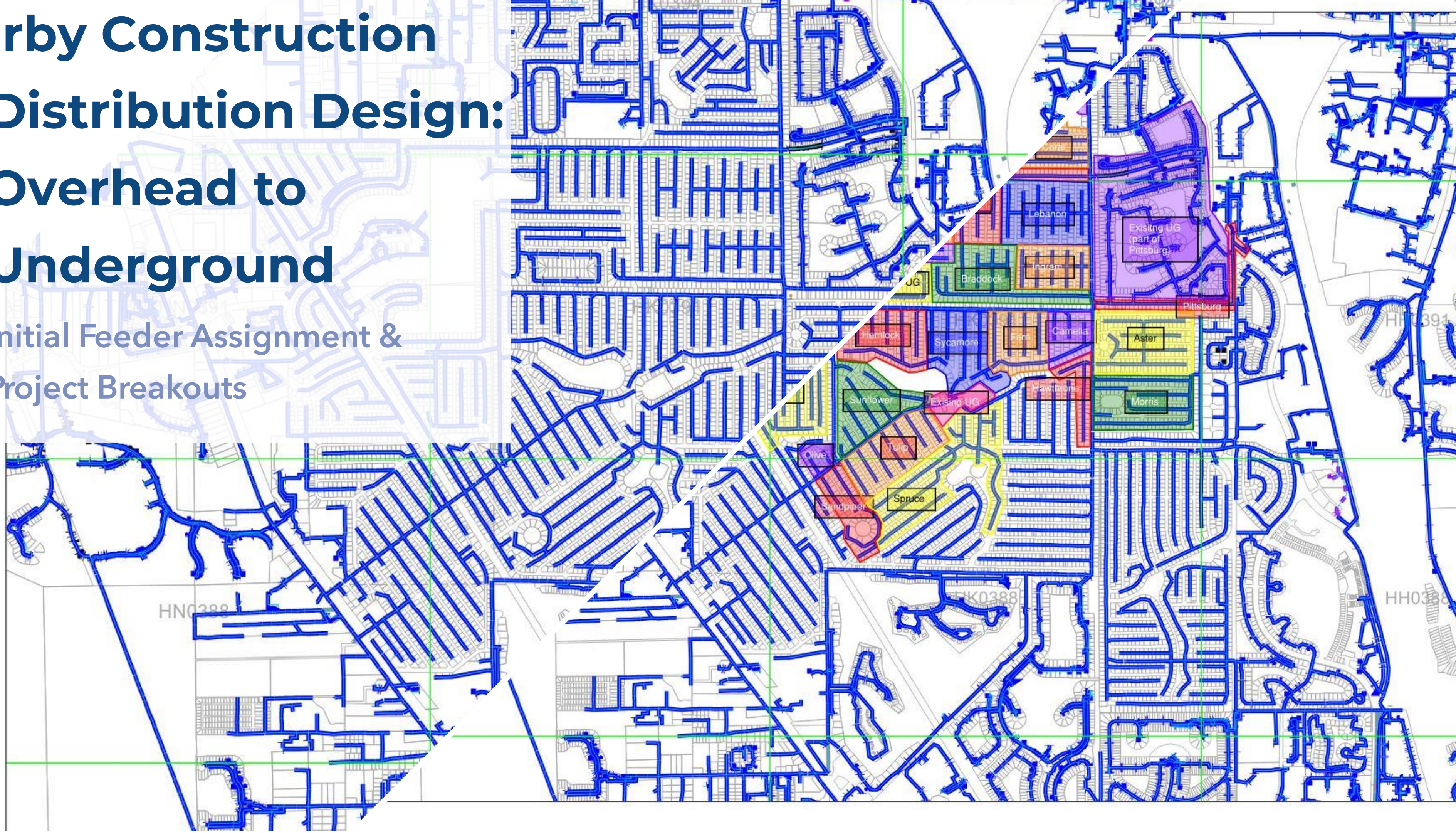
TECO - SPP, DWPR, Turnkey Lighting

Irby Construction Distribution Design provides turnkey solutions across all facets of electric distribution.

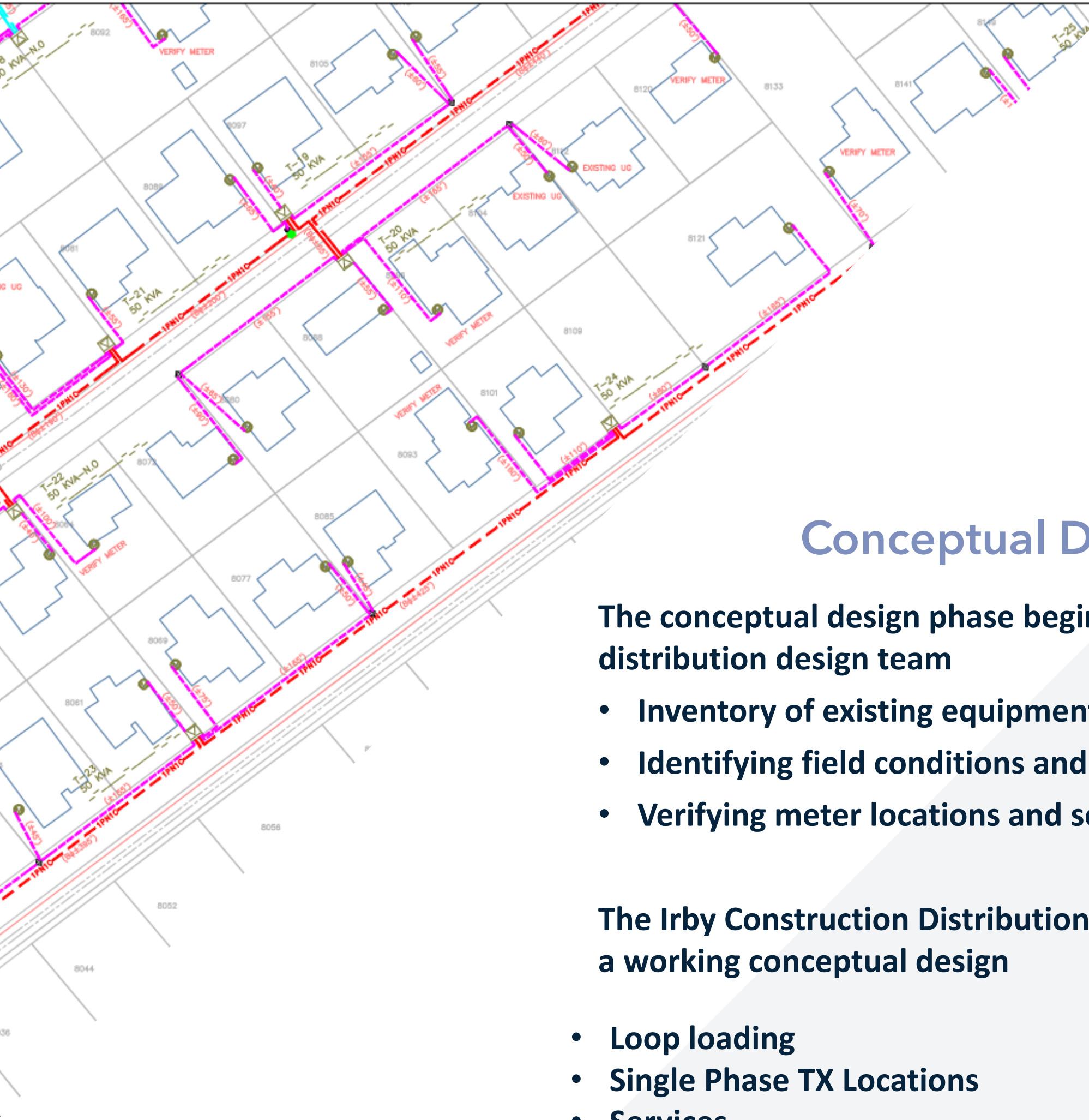
- New development
- Overhead to underground conversion
- Road projects
- Feeder hardening
- Lateral hardening
- Lighting
- Reconductor
- Permitting

Irby Construction Distribution Design: Overhead to Underground

Initial Feeder Assignment &
Project Breakouts



Irby Construction Distribution Design: Overhead to Underground



Conceptual Design Phase

The conceptual design phase begins with field work by our distribution design team

- Inventory of existing equipment in the field
- Identifying field conditions and constructability
- Verifying meter locations and services

The Irby Construction Distribution Design Team then completes a working conceptual design

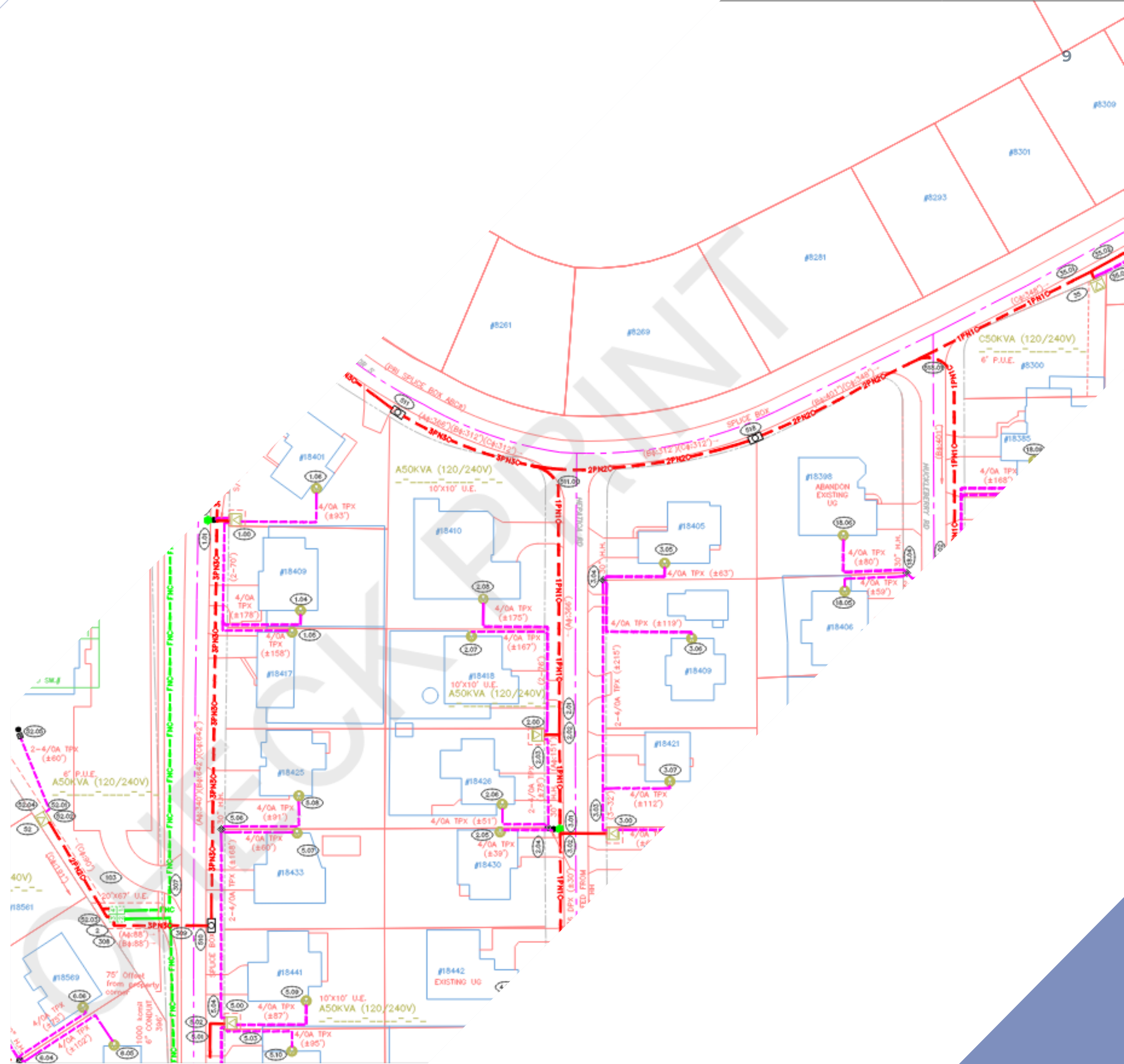
- Loop loading
- Single Phase TX Locations
- Services
- Commercial customers
- Switch gear install
- Term pole identification

Irby Construction Distribution Design: Overhead to Underground

Preliminary Design Phase

Once all signed easements have been received by the Irby Construction Customer Outreach Team the design is moved to the preliminary design phase

- Final transformer locations
- Voltage Drop & Flicker calculations
- Pole foreman
- Cable pulls
- CU Inputs

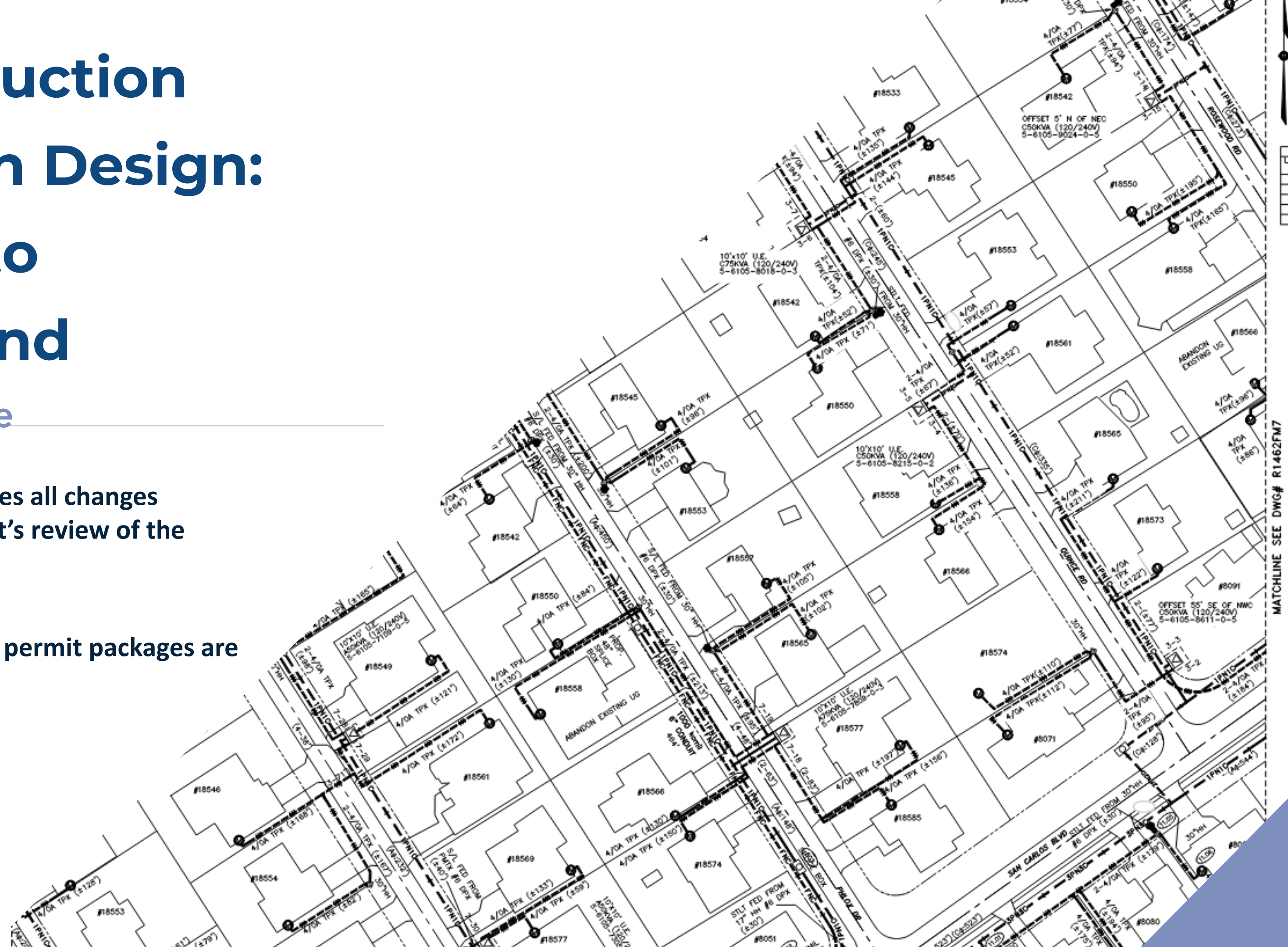


Irby Construction Distribution Design: Overhead to Underground

Final Design Phase

The final design phase captures all changes requested following the client's review of the preliminary design.

During the final design phase permit packages are built for the client.



Irby Construction Customer Outreach: Overhead to Underground

Land Research

Customer Interaction

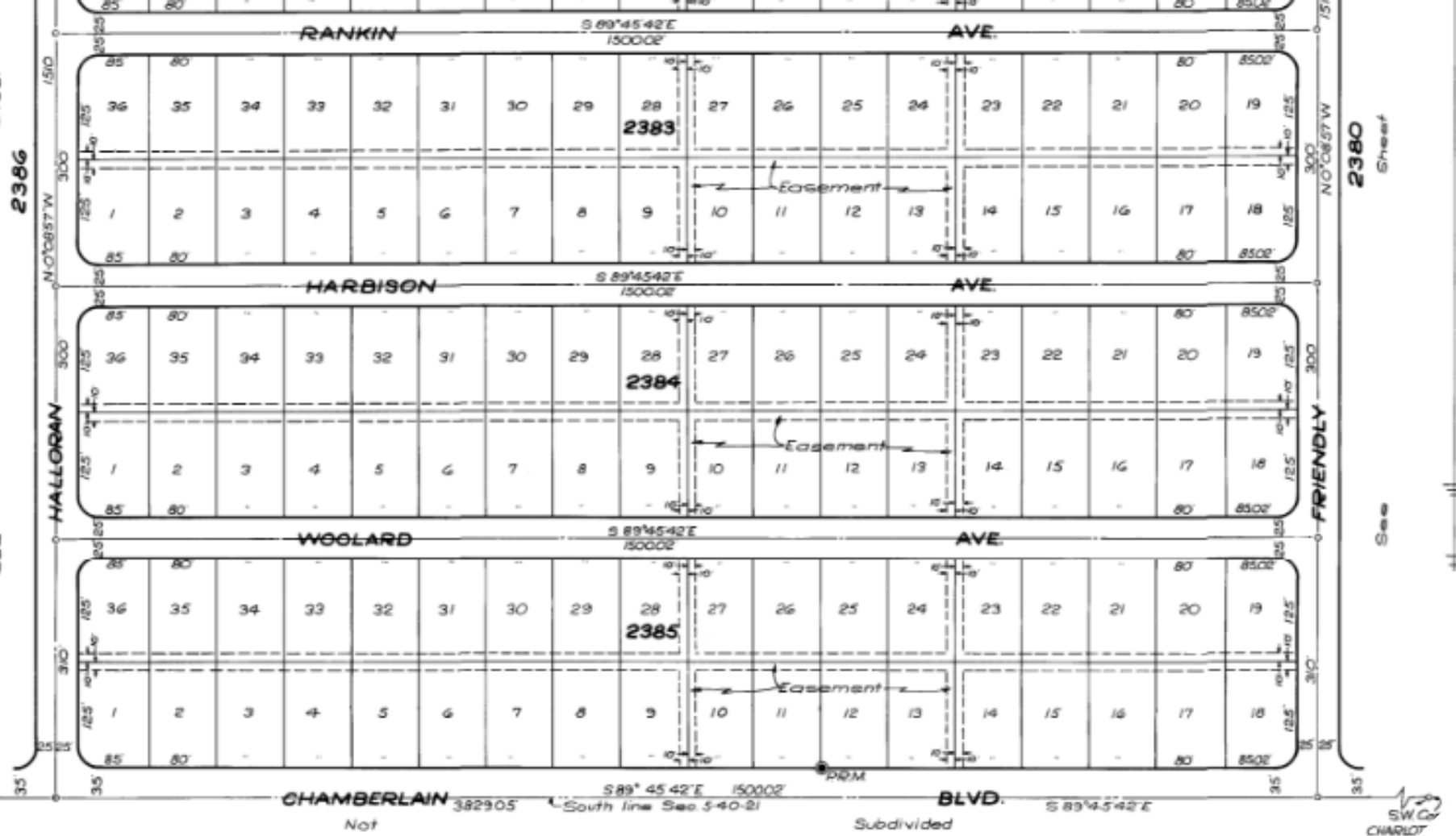
Land Acquisition

Project Coordination

Easement Recording

Irby Construction deploys an in-house customer outreach team which receives conceptual designs and delivers final transformer locations.

We believe in clear, concise, honest messaging to discuss project impacts and project benefits to property owners while securing the necessary construction notes, service agreements and utility easements.



curve to the left, thence run southerly a distance of 312.24 feet curve to the left having a radius of 410 feet and a central angle of tangency on the South line of said Section 6; thence run S 89°45'34" said Section 6 a distance of 58103 feet to the SE corner of said the Point of Beginning, containing 63801 acres, more or less.

DEDICATION

KNOW ALL MEN BY THESE PRESENTS That GENERAL OF Corporation authorized to do business in Florida, the caused this plat of PORT CHARLOTTE SUBD' and does hereby dedicate to the perpetual Waterways and Boulevards shown hereon The easements as shown by dashed line reserved for the installation and maintain IN WITNESS WHEREOF GENERAL DEVELOPM be signed in its name by its President Secretary this 6th day of October

Attest: *[Signature]*
EJ Mar

STATE OF FLORIDA
COUNTY OF
GENERAL D
Florida,
dedicated
for the
con
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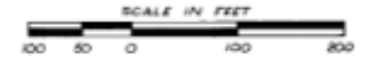
Irby Construction Customer Outreach: Overhead to Underground

PORT CHARLOTTE SUBDIVISION

SECTION THIRTY EIGHT

A SUBDIVISION IN SECS. 4, 5, & 6 TWP 40 S. RGE. 21 E. CHARLOTTE COUNTY, FLORIDA

SHEET 1 OF 8 SHEETS
BISCAYNE ENGINEERING COMPANY
ORDER NO. 32540 CIVIL ENGINEERS SCALE: 1"=100'
F.B. NO. 1147 MIAMI, FLORIDA OCTOBER, 1958



PORT CHARLOTTE SUBDIVISION SECTION 7
KEY MAP
Scale 1"=100'

Land Research

Nearhood Plats
Platted Easements

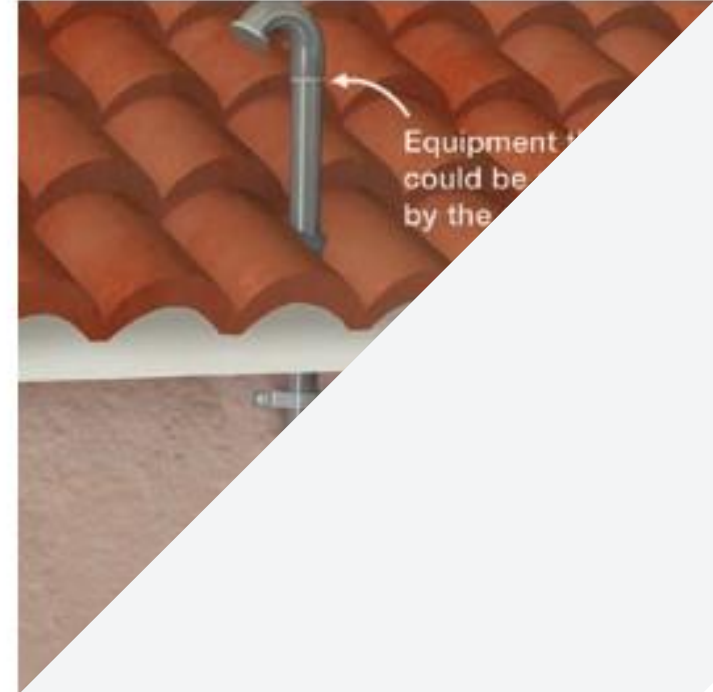
Existing Easements
Land Ownership

Future Development
Field Conditions

Irby Construction Customer Outreach: Overhead to Underground

Initiating Customer Contact

Our Customer Outreach Team initiates customer contact through a combination of the Utilities Customer Communications Systems and mass mailings of supplied project materials.

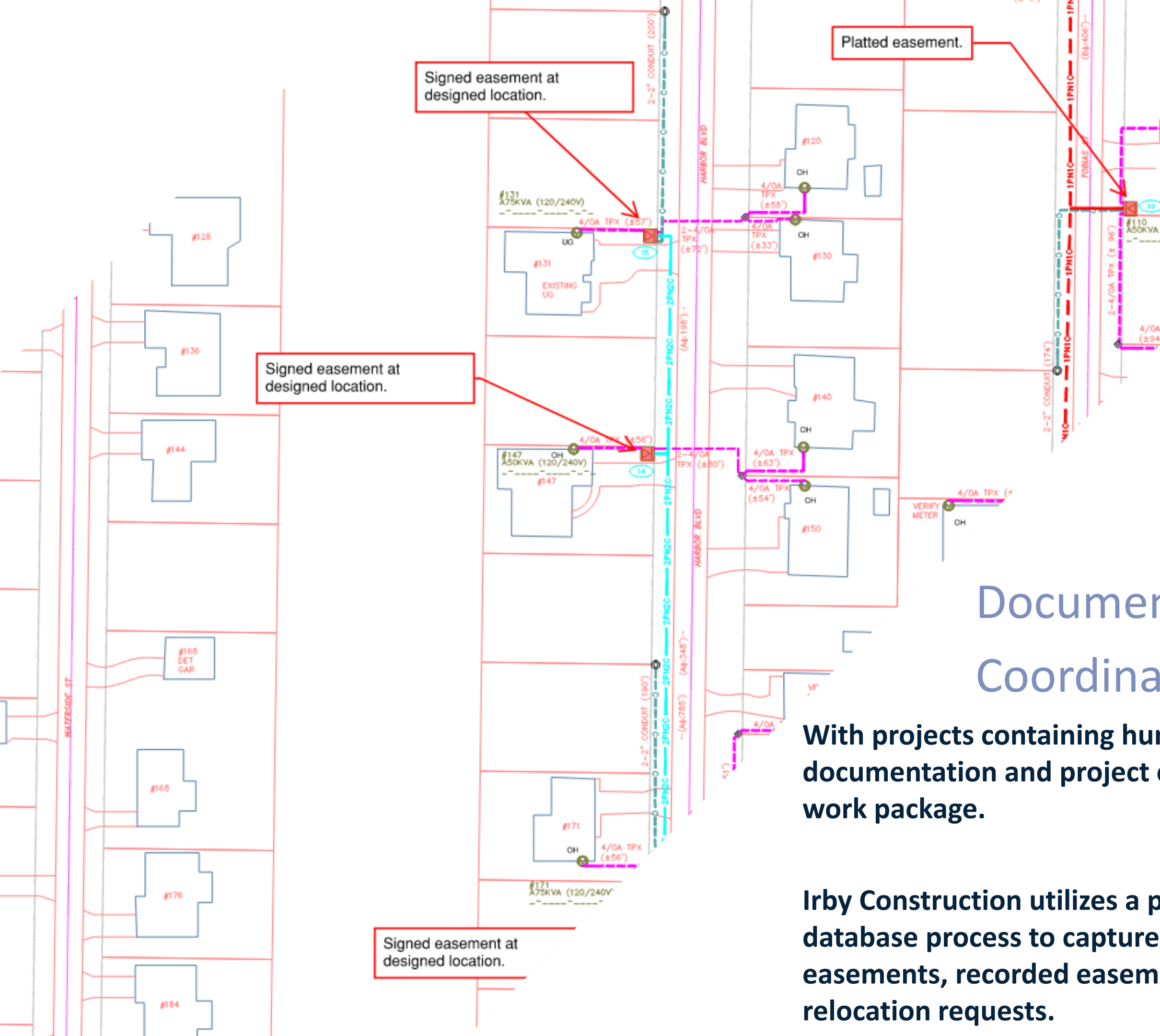


Active Outreach

The Irby Construction Customer Outreach Team utilizes a blended schedule of office work and field work. This ensures our ability to professionally represent the utility while receiving the necessary information and documentation from property owners:

- Construction Notes
- Service Agreements
- Easements

Irby Construction Customer Outreach: Overhead to Underground



Signed easement at designed location.

Signed easement at designed location.

Platted easement.

Signed easement at designed location.

Irby Construction

Customer Outreach: Overhead to Underground

Documentation and Project Coordination

With projects containing hundreds of property owners and units, documentation and project coordination are critical in providing a quality work package.

Irby Construction utilizes a proprietary internal documentation and database process to capture all signed service agreements, signed easements, recorded easements, design markups, and transformer relocation requests.

Irby Construction: Overhead to Underground Construction

- Site Assessment
- Pre-Construction
- Bore
- Wire Pull
- Switch In New Loop
- Strip Out
- Restoration

Irby Construction has developed a thorough pre-construction process to ensure that construction work is completed without delay, while maintaining the utilities expectations as well as their customers.

During active construction work is completed in meticulous steps that coincide with communication and information Irby Customer Outreach Specialists have reviewed with the property owners to ensure all expectations are met.

Irby Construction: Overhead to Underground Construction

Site Assessment

Before work begins on a project Irby Construction completes a comprehensive site assessment to include:

- Identify changes in field conditions
- Verify easement constructability
- Review new home construction and services



Irby Construction: Overhead to Underground Construction

Pre-Construction Meeting

Irby Construction leads a pre-construction meeting with all support staff in the project area immediately before active construction that includes:

- Utility Customer Representative(s)
- General Foreman
- Line Foreman
- Bore Foreman
- Restoration Foreman
- Customer Outreach Specialist
- Customer Engagement Specialist





Irby Construction: Overhead to Underground Construction

Boring

Active construction starts with directional boring of primary and secondary lines. Typically, primary and secondary lines are bored simultaneously to avoid continued impact to the ROW and customers property.



Irby Construction: Overhead to Underground Construction

Wire Pull, Junction Boxes and Equipment

Once conduit is in place Irby Construction proceeds with wire pull, building junction boxes on homes, and placing equipment in private utility easements and ROW corridors.



Irby Construction: Overhead to Underground Construction

Energizing New Loops and
Strip Out

Once all new infrastructure is in place the underground loops are energized while strip-out of overhead infrastructure is completed.

Irby Construction: Overhead to Underground Construction

Restoration and Damage Claims

Irby Construction's restoration crews follow our construction crews re-pouring cut concrete, re-seeding/re-sodding grassy areas disturbed during construction, and ensuring there is no wash-out near PMTX installations.

In the event of a customer damage claim, our Customer Engagement Specialist will personally meet with the customer to review the concern, any preconstruction photos, and act immediately towards a resolution.

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