STANDARD UTILITY AGREEMENT

U Number: **N/A** Utility ID: **U00017757**

District: Dallas
Federal Project No.: NH 2020(576)
ROW CSJ: 0195-02-079
Highway Project Letting Date: Jan. 2024

County: Denton
Highway: IH35
From: US77
To: Cooke County Line

This Agreement by and between the State of Texas, acting by and through the Texas Transportation Commission, **("State**"), and The City of Sanger Electric, ("**Utility**"), acting by and through its duly authorized representative, shall be effective on the date of approval and execution by and on behalf of the **State**.

WHEREAS, the **State** has deemed it necessary to make certain highway improvements as designated by the **State** and approved by the Federal Highway Administration within the limits of the highway as indicated above (the "**Highway Project**");

WHEREAS, the proposed Highway Project will necessitate the adjustment, removal, and/or relocation of certain facilities of the **Utility** as indicated in the following statement of work: The City of Sanger Electric Department will relocate approximately 25,500 circuit feet of electric power distribution facilities that are in conflict with TxDOT construction from approximately STA 2542+20 to STA 2822+00; and more specifically as shown in the **Utility's** plans, specifications and estimated costs, which are attached hereto as Attachment "A".

WHEREAS, the **State** will participate in the costs of the adjustment, removal, and relocation of certain facilities to the extent as may be eligible for State and/or Federal participation.

WHEREAS, the **State,** upon receipt of evidence it deems sufficient, acknowledges the **Utility's** interest in certain lands and facilities that entitle it to reimbursement for the adjustment, removal, and relocation of certain of its facilities located upon the lands as indicated in the statement of work above.

NOW, THEREFORE, BE IT AGREED:

The **State** will pay to the **Utility** the costs incurred in adjustment, removal, and relocation of the **Utility's** facilities up to the amount said costs may be eligible for **State** participation.

All conduct under this agreement, including but not limited to the adjustment, removal, and relocation of the facility, the development and reimbursement of costs, any environmental requirements, and retention of records will be in accordance with all applicable federal and state laws, rules and regulations, including, without limitation, the Federal Uniform Relocation Assistance and Real Property Acquisition Policies Act, 42 U.S.C. §§ 4601, et seq., the National Environmental Policy Act, 42 U.S.C. §§ 4321, et seq., the Buy America provisions of 23 U.S.C. § 313 and 23 CFR 635.410, as amended, Texas Transportation Code § 223.045, the Utility Relocations, Adjustments, and Reimbursements provisions of 23 CFR 645, Subpart A, and the Utility Accommodation provisions of 23 CFR 645, Subpart B.

The **Utility** shall supply, upon request by the **State**, proof of compliance with the aforementioned laws, rules, regulations, and guidelines prior to the commencement of the adjustment, removal, and relocation of the facility.

The Utility shall not commence any physical work, including without limitation site preparation, on the State's right of way or future right of way, until TxDOT provides the Utility with written authorization to proceed with the physical work upon TxDOT's completion and clearance of its environmental review of the Highway Project. Any such work by the Utility prior to TxDOT's written authorization to proceed will not be eligible for reimbursement and the Utility is responsible for entering any property within the proposed limits of the Highway Project that has

not yet been acquired by TxDOT. This written authorization to proceed with the physical work is in addition to the authorization to commence work outlined below. Notwithstanding the foregoing, the provisions of this paragraph are required only when TxDOT has not obtained completion and clearance of its environmental review of the Highway Project prior to the execution of this Agreement by the State and the Utility.

The **Utility** shall comply with the Buy America provisions of 23 U.S.C. § 313, 23 CFR 635.410, as amended, and the Steel and Iron Preference provisions of Texas Transportation Code § 223.045 and, when products that are composed predominately of steel and/or iron are incorporated into the permanent installation of the utility facility, use domestically manufactured products. TxDOT Form 1818 (Material Statement), along with all required attachments, must be submitted, prior to the commencement of the adjustment, removal, and relocation of the facility, as evidence of compliance with the aforementioned provisions. Failure to submit the required documentation or to comply with the Buy America, and Steel and Iron Preference requirements shall result in: (1) the **Utility** becoming ineligible to receive any contract or subcontract made with funds authorized under the Intermodal Surface Transportation Efficiency Act of 1991; (2) the **State** withholding reimbursement for the costs incurred by the **Utility** in the adjustment, removal, and relocation of the **Utility's** facilities; and (3) removal and replacement of the non-compliant products.

The **Utility** agrees to develop relocation or adjustment costs by accumulating actual direct and related indirect costs in accordance with a work order accounting procedure prescribed by the **State**, or may, with the **State's** approval, accumulate actual direct and related indirect costs in accordance with an established accounting procedure developed by the **Utility**. Bills for work hereunder are to be submitted to the **State** not later than one (1) year after completion of the work. Failure to submit the request for final payment, in addition to all supporting documentation, within one (1) year after completion of the work may result in forfeiture of payment for said work.

When requested, the **State** will make intermediate payments at not less than monthly intervals to the **Utility** when properly billed. Such payments will not exceed 90 percent (90%) of the eligible cost as shown in each such billing. Intermediate payments shall not be construed as final payment for any items included in the intermediate payment.

The **State** will, upon satisfactory completion of the adjustment, removal, and/or relocation and upon receipt of final billing prepared in an approved form and manner and accounting for any intermediate payments, make payment in the amount of 90 percent (90%) of the eligible costs as shown in the final billing prior to audit and after such audit shall make an additional final payment totaling the reimbursement amount found eligible for **State** reimbursement.

Alternatively, the **State** agrees to pay the **Utility** an agreed lump sum of $N/A as supported by the attached estimated costs. The **State** will, upon satisfactory completion of the adjustments, removals, and relocations and upon receipt of a final billing, make payment to the **Utility** in the agreed amount.

Upon execution of this agreement by both parties hereto, the **State** will, by written notice, authorize the **Utility** to perform such work diligently and to conclude said adjustment, removal, and relocation by the stated completion date which is attached hereto in Attachment "C". The completion date shall be extended for delays caused by events outside the **Utility's** control, including an event of Force Majeure, which shall include a strike, war or act of war (whether an actual declaration of war is made or not), insurrection, riot, act of public enemy, accident, fire, flood or other act of God, sabotage, or other events, interference by the **State** or any other party with the **Utility's** ability to proceed with the work, or any other event in which the **Utility** has exercised all due care in the prevention thereof so that the causes of other events are beyond the control and without the fault or negligence of the **Utility**.

This agreement in its entirety consists of the following elements:

Standard Utility Agreement – ROW-U-35;
- Plans, Specifications, and Estimated Costs (Attachment "A");
- Accounting Method (Attachment "B");
- Schedule of Work (Attachment "C");
- Statement Covering Contract Work – ROW-U-48 (Attachment "D");

- Utility Joint Use Agreement – ROW-U-JUA and/or Utility Installation Request – Form 1082 (Attachment "E");
- Eligibility Ratio (Attachment "F");
- Betterment Calculation and Estimate (Attachment "G"); and
- Proof of Property Interest – ROW-U-Affidavit (Attachment "H").

All attachments are included herein as if fully set forth. In the event it is determined that a substantial change from the statement of work contained in this agreement is required, reimbursement therefore shall be limited to costs covered by a modification or amendment of this agreement or a written change or extra work order approved by the **State** and the **Utility**.

This agreement is subject to cancellation by the **State** at any time up to the date that work under this agreement has been authorized, and such cancellation will not create any liability on the part of the **State.** However, the **State** will review and reimburse the **Utility** for eligible costs incurred by the **Utility** in preparation of this Agreement.

The State Auditor may conduct an audit or investigation of any entity receiving funds from the **State** directly under this contract or indirectly through a subcontract under this contract. Acceptance of funds directly under this contract or indirectly through a subcontract under this contract acts as acceptance of the authority of the State Auditor, under the direction of the Legislative Audit Committee, to conduct an audit or investigation in connection with those funds. An entity that is the subject of an audit or investigation must provide the state auditor with access to any information the state auditor considers relevant to the investigation or audit.

The **Utility** by execution of this agreement does not waive any of the rights that the **Utility** may have within the limits of the law.

It is expressly understood that the **Utility** conducts the adjustment, removal, and relocation at its own risk, and that the **State** makes no warranties or representations regarding the existence or location of utilities currently within its right of way.

The signatories to this agreement warrant that each has the authority to enter into this agreement on behalf of the party represented.

UTILITY

Utility: The City of Sanger Electric
Name of Utility

By:
Authorized Signature

John C. Noblitt
Print or Type Name

Title: City Manager

Date:

EXECUTION RECOMMENDED:

Director of TP&D (or designee), Dallas District

THE STATE OF TEXAS

Executed and approved for the Texas Transportation Commission for the purpose and effect of activating and/or carrying out the orders, established policies or work programs heretofore approved and authorized by the Texas Transportation Commission.

By:
District Engineer (or designee)

Date:

Attachment “A”
Plans, Specifications, and Estimated Costs

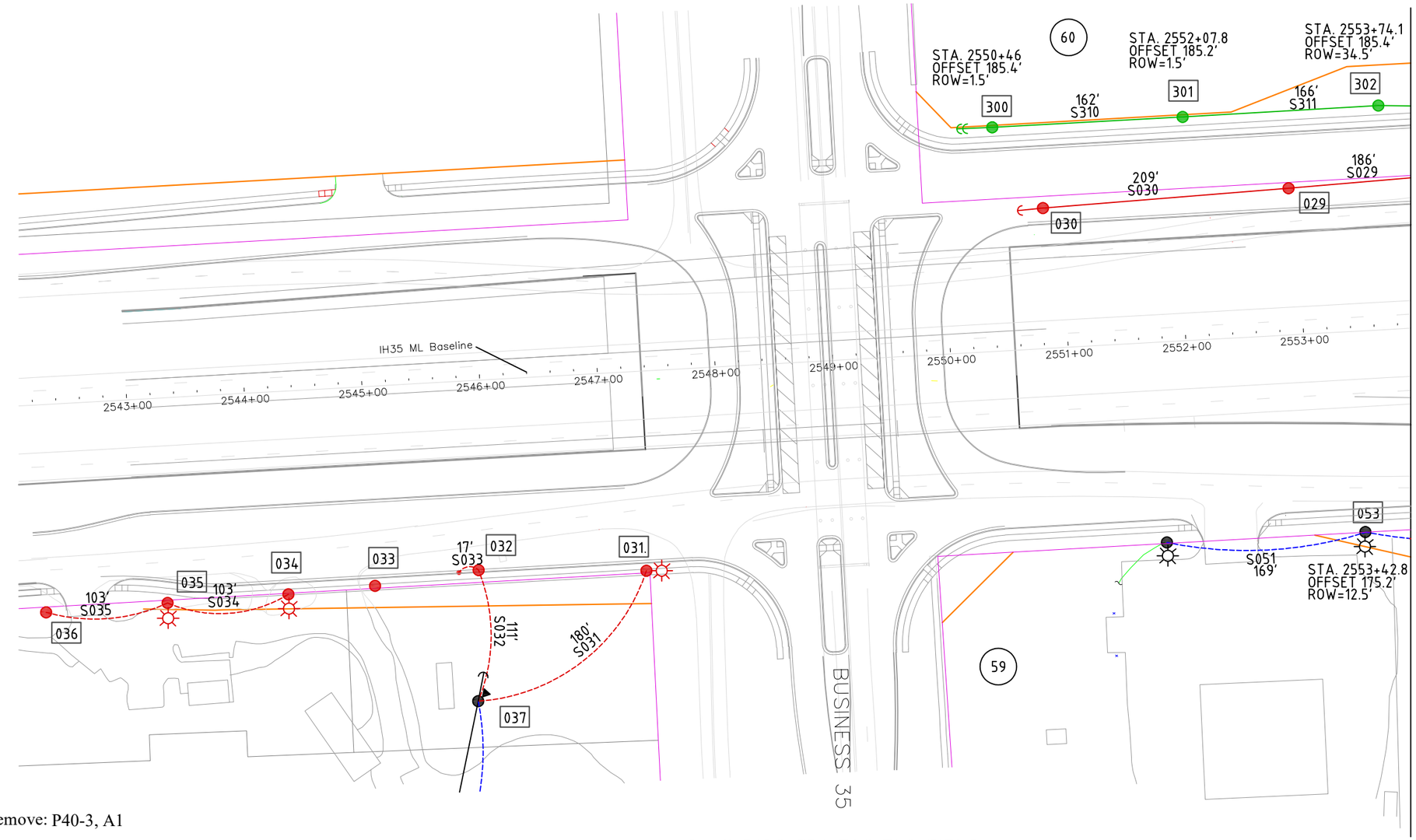
All material items within cost estimate that must meet Buy America or Steel and Iron Preference Provision requirements must be indicated with an asterisk (*).

☐ Currently, **we do not have** Buy America required materials planned for this project. In the event that Buy America compliant materials are used during construction on this project, compliance documentation will be provided.

☐ There are non-domestic iron and steel materials in this project that fall under the De Minimus equation. Calculation showing the total cost does not exceed one-tenth of one percent (0.1 %) of the individual utility agreement amount or $2,500.00, whichever is greater is required.

☒ We understand the Buy America Compliance Requirements and will supply the required documentation to TxDOT indicating compliance with this provision. The following documents will be supplied prior to installation of the materials:

1) Form 1818 - Material Statement
2) Material Test Reports or Certifications



029 Remove: P40-3, A1

030 Remove: P40-3, A5, E1-2, F1-2

031 Remove: P40-3, J10, ST/L, Sec Riser

032 Remove: P30-3, J10

033 Comm Pole

034 Remove: P30-3, J10, S/L

035 Remove: P30-3, J10, S/L

036 Remove: P30-3, J10

037 Remove: J10

053 Existing: P40-3, (2)J10, S/L

S029 Remove: (2) #2 ACSR

S030 Remove: (2) #2 ACSR

S031 Remove: #6 DUP

S032 Remove: #2 TRI

S033 Remove: #2 TRI

S034 Remove: #6 DUP

S035 Remove: #6 DUP

S051 Existing: #2 TRI

300 Install: P45-2, C7-1, E6-2, E1-2, (2)F1-5 M2-2

301 Install: P45-2, C1-2, M2-2

302 Install: P45-2, C1-2, M2-2

S310 Install: (3)795MCM ACSR, 1-477MCM ACSR

S311 Install: (3)795MCM ACSR, 1-477MCM ACSR

Note: TxDOT's ROW shall be determined on the ground and any additional surveys required by TxDOT procured before installation.

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
- PROPOSED POLE
- CHANGE OUT EXISTING POLE
- PROPOSED SELF SUPPORTING POLE
- COSERV LINE
- COSERV EXISTING POLE
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- REMOVE EXISTING GUY
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- ## PARCEL NUMBER

STATE OF TEXAS
ROBERT ALLEN SINGLETARY
57979
LICENSED PROFESSIONAL ENGINEER
6 / 5 / 23

APPROVED
FOR CONSTRUCTION

EST. 1886
SANGER
ELECTRIC UTILITIES

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Power-D Utility Services

SCALE:	DATE:	DWG NO.	APPROVED.
1 : 100	1 / 28 / 23	2000	6 / 5 / 23
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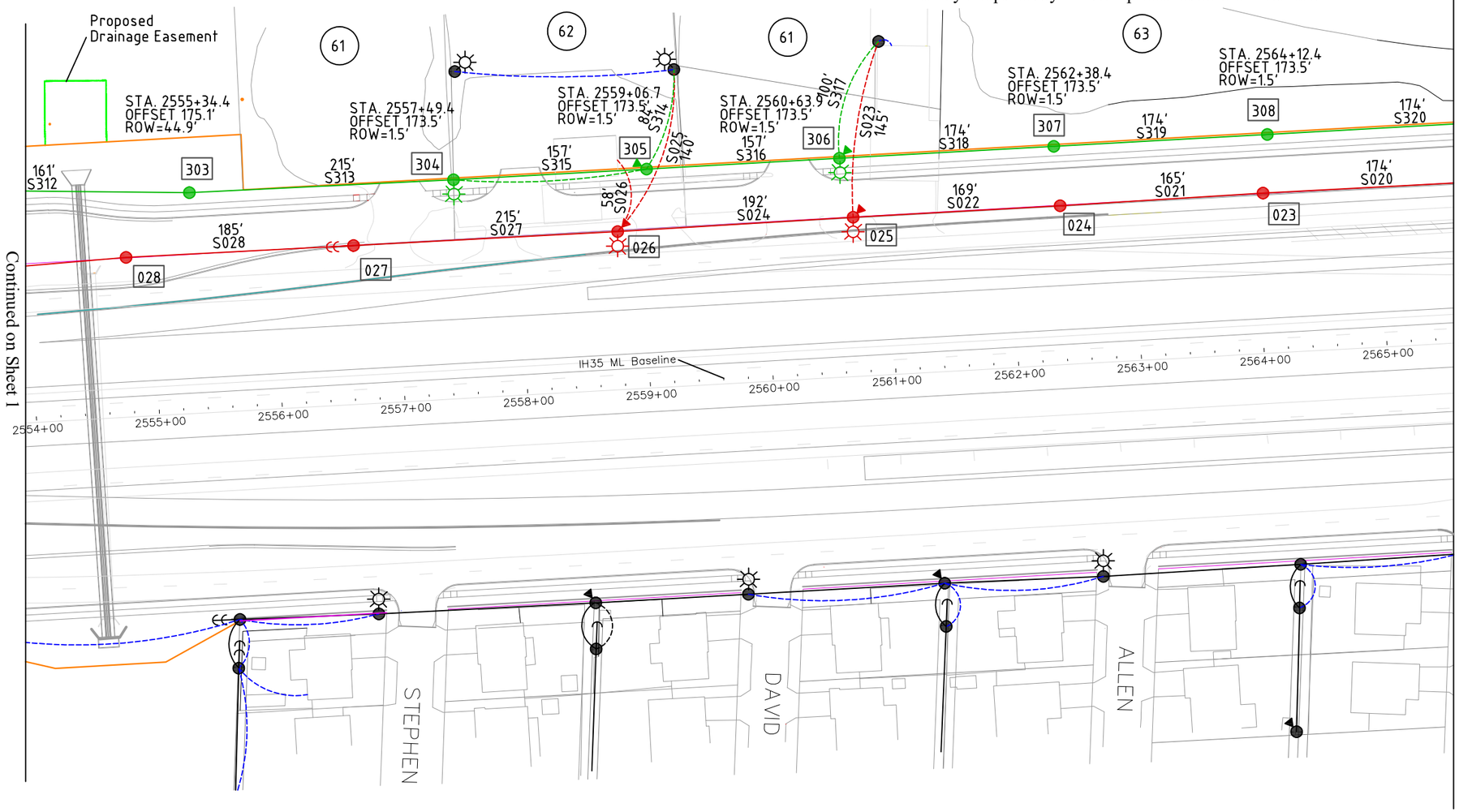

028 Remove: P40-3, A1

027 Remove: SP40-3, A5, C7-1, E6-2, E1-2 (2)F1-2, M5-10

026 Remove: SP40-3, C1-2, (2)J10, ST/L G9, T25

025 Remove: SP40-3, C1-2, G9, T25, J10, ST/L

024 Remove: SP40-3, C1-2

023 Remove: SP40-3, C1-2

S028 Remove: (2) #2 ACSR

S027 Remove: (4) 477MCM ACSR

S026 Remove: #2 TRI

S025 Remove: 1/0 TRI

S024 Remove: (4) 477MCM ACSR

S023 Remove: 1/0 TRI

S022 Remove: (4) 477MCM ACSR

S021 Remove: (4) 477MCM ACSR

S020 Remove: (4) 477MCM ACSR

303 Install: P45-2, C1-2, M2-2

304 Install: P45-2, C1-2, K14, S/L, M2-2

305 Install: P45-2, C1-2, G9, T25, K14, M2-1, M2-2

306 Install: P45-2, C1-2, G9, T25, K14, M2-1 M2-2, S/L

307 Install: P45-2, C1-2, M2-2

308 Install: P45-2, C1-2, M2-2

S312 Install: (3)795MCM ACSR, 1-477MCM ACSR

S313 Install: (3)795MCM ACSR, 1-477MCM ACSR

S314 Install: 1/0 TRI

S315 Install: (3)795MCM ACSR, 1-477MCM ACSR

S316 Install: (3)795MCM ACSR, 1-477MCM ACSR

S317 Install: 1/0 TRI

S318 Install: (3)795MCM ACSR, 1-477MCM ACSR

S319 Install: (3)795MCM ACSR, 1-477MCM ACSR

S320 Install: (3)795MCM ACSR, 1-477MCM ACSR

0 50' 100'

N

LEGEND

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- REMOVE EXISTING LINE
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- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
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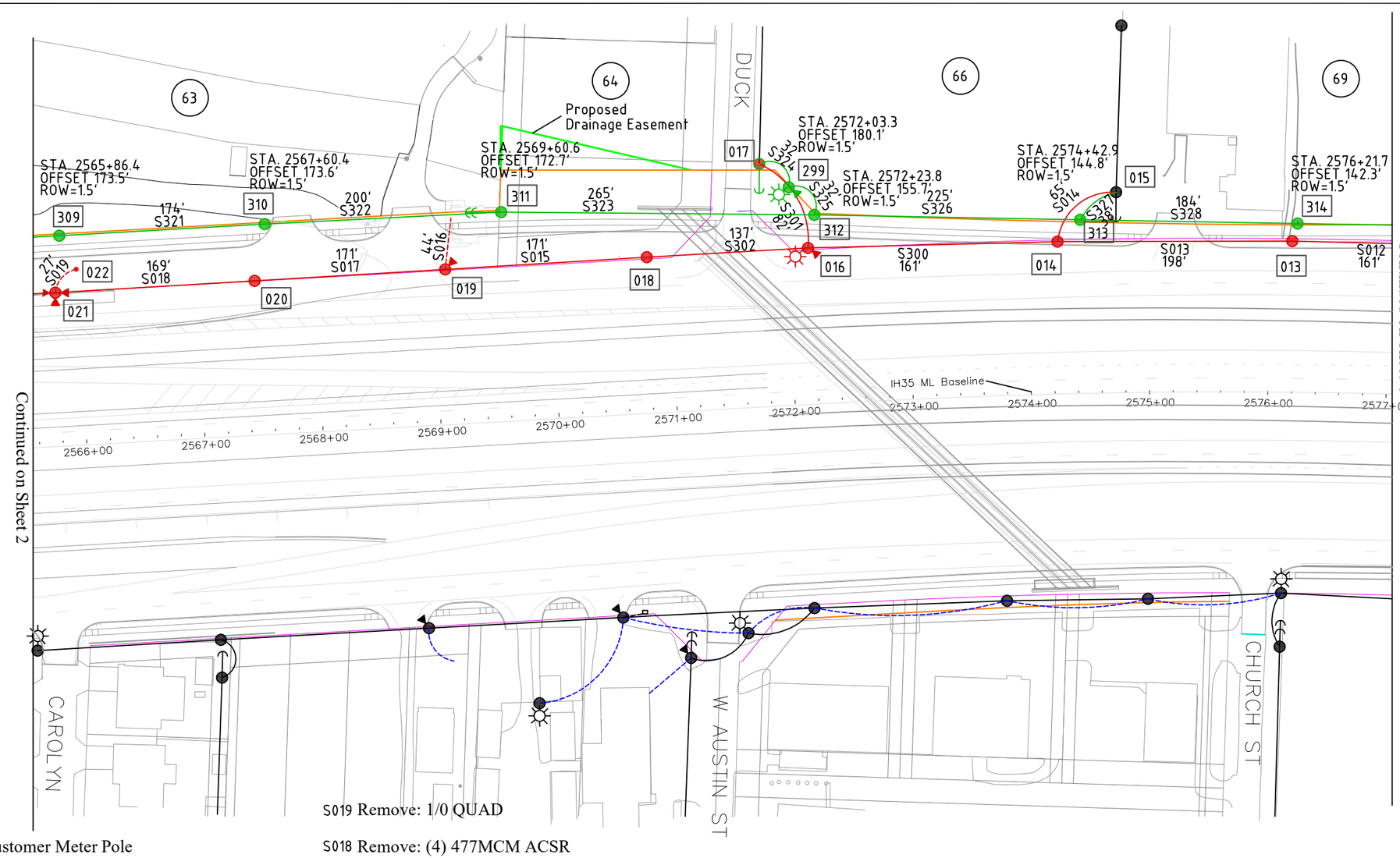

022 Customer Meter Pole

021 Remove: SP40-3, C1-2, G310, (3)T15, J10

020 Remove: SP40-3, C1-2

019 Remove: SP40-3, C1-2, G9, T15, US2

018 Remove: SP45-3, C2-2

017 Remove: P40-3, C8, E1-2, F1-2
Install: P40-3, C8, E1-2, F1-2, M2-2

016 Remove: P40-3, C1-1, C1 Slack, G9
T1.5, ST/L

015 Existing P40-3

014 Remove: SP40-3, C2-2, C1 Slack

013 Remove: SP40-3, C1-2

S019 Remove: 1/0 QUAD

S018 Remove: (4) 477MCM ACSR

S017 Remove: (4) 477MCM ACSR

S016 Remove: 1/0 TRIU

S015 Remove: (4) 477MCM ACSR

S302 Remove: (4) 477MCM ACSR

S301 Remove: (4) #2 ACSR

S300 Remove: 1/0 TRI

S014 Remove: (4) #2 ACSR

S013 Remove: (4) 477MCM ACSR

S012 Remove: (4) 477MCM ACSR

309 Install: P45-2, C1-2, M2-2

310 Install: P45-2, C1-2, M2-2

311 Install: P45-2, C8, E6-2, E1-2, (2)F1-5, M2-2

312 Install: P45-2, C1-2, C7, (3)M5-10, M2-2

299 Install: P40-3, C1, G9, ST/L, T1.5, M2-1, M2-2

313 Install: P45-2, C1 Slack, M5-10, M2-2

314 Install: P45-2, C1-2, M2-2

S321 Install: (3)795MCM ACSR, 1-477MCM ACSR

S322 Install: (3)795MCM ACSR, 1-477MCM ACSR

S323 Install: (3)795MCM ACSR, 1-477MCM ACSR

S324 Install: (4)#2 ACSR

S325 Install: (4)#2 ACSR

S326 Install: (3)795MCM ACSR, 1-477MCM ACSR

S327 Install: (4)#2 ACSR

S328 Install: (3)795MCM ACSR, 1-477MCM ACSR

Note: TxDOT's ROW shall be determined on the ground and any additional surveys required by TxDOT procured before installation.

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
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- COSERV LINE
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- EXISTING TRANSFORMER
- REMOVE EXISTING TRANSFORMER
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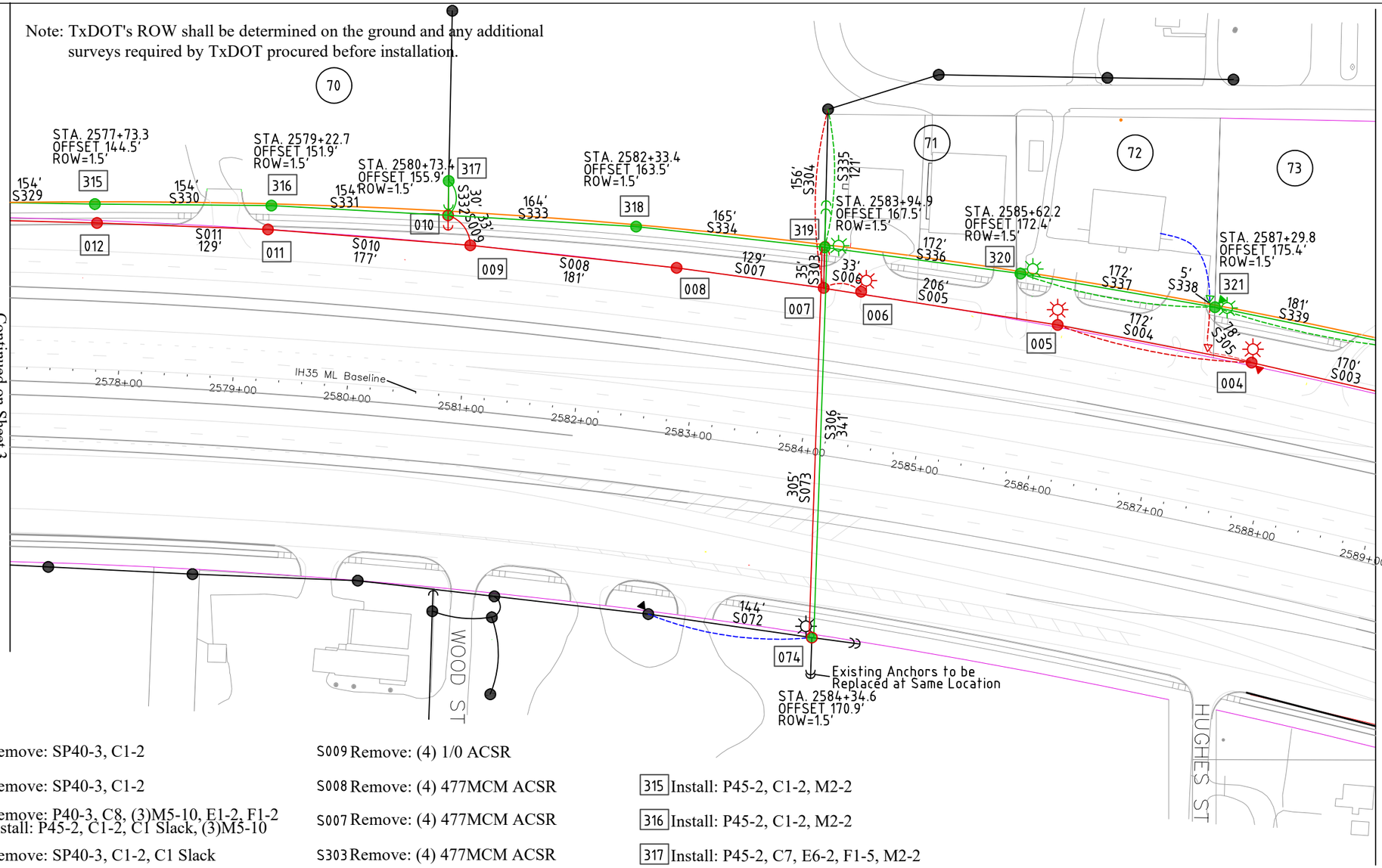

012 Remove: SP40-3, C1-2

011 Remove: SP40-3, C1-2

010 Remove: P40-3, C8, (3)M5-10, E1-2, F1-2
Install: P45-2, C1-2, C1 Slack, (3)M5-10

009 Remove: SP40-3, C1-2, C1 Slack

008 Remove: SP45-3, C1-2

007 Remove: SP50-3, C8, C20-2, (2)E1-2
(2)F1-5, J10

006 Remove: P30-3, Sec Riser, K14, S/L

005 Remove: SP45-3, C1-2, J10, S/L

004 Remove: P40-3, C1-2, US2, G9, T25, K14 S/L

074 Remove: SP55-2, (2)C7-1, (2)E6-2, (2)E1-2
(4) F1-5, J10, S/L

S011 Remove: (4) 477MCM ACSR

S010 Remove: (4) 477MCM ACSR

S009 Remove: (4) 1/0 ACSR

S008 Remove: (4) 477MCM ACSR

S007 Remove: (4) 477MCM ACSR

S303 Remove: (4) 477MCM ACSR

S304 Remove: 1/0 TRI

S006 Remove: 1/0 TRI

S005 Remove: (4) 477MCM ACSR

S004 Remove: (4) 477MCM ACSR
#2 DUP

S305 Remove: 1/0 TRIU, UPED

S003 Remove: (4) 477MCM ACSR

315 Install: P45-2, C1-2, M2-2

316 Install: P45-2, C1-2, M2-2

317 Install: P45-2, C7, E6-2, F1-5, M2-2

318 Install: P45-2, C1-2, M2-2

319 Install: P60-H1, C8, C20-2, M2-2
(2)E1-2, (2)F1-5, K14, S/L

320 Install: P45-2, C1-2, K14, S/L, M2-2

321 Install: P45-2, C1-2, G9, T25, US2
K14, S/L, M2-1, M2-2

074 Install: P60-H1, (2)C7-1, (2)E6-2, (2)E1-2
(4) F1-5, K14, S/L, M2-2

S329 Install: (3)795MCM ACSR, 1-477MCM ACSR

S330 Install: (3)795MCM ACSR, 1-477MCM ACSR

S331 Install: (3)795MCM ACSR, 1-477MCM ACSR

S332 Install: (4)1/0 ACSR

S333 Install: (3)795MCM ACSR, 1-477MCM ACSR

S334 Install: (3)795MCM ACSR, 1-477MCM ACSR

S335 Install: 1/0 TRI

S336 Install: (3)795MCM ACSR, 1-477MCM ACSR

S337 Install: (3)795MCM ACSR, 1-477MCM ACSR
#6 DUP

S338 Install: 1/0 TRIU, UPED

S339 Install: (3)795MCM ACSR, 1-477MCM ACSR

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
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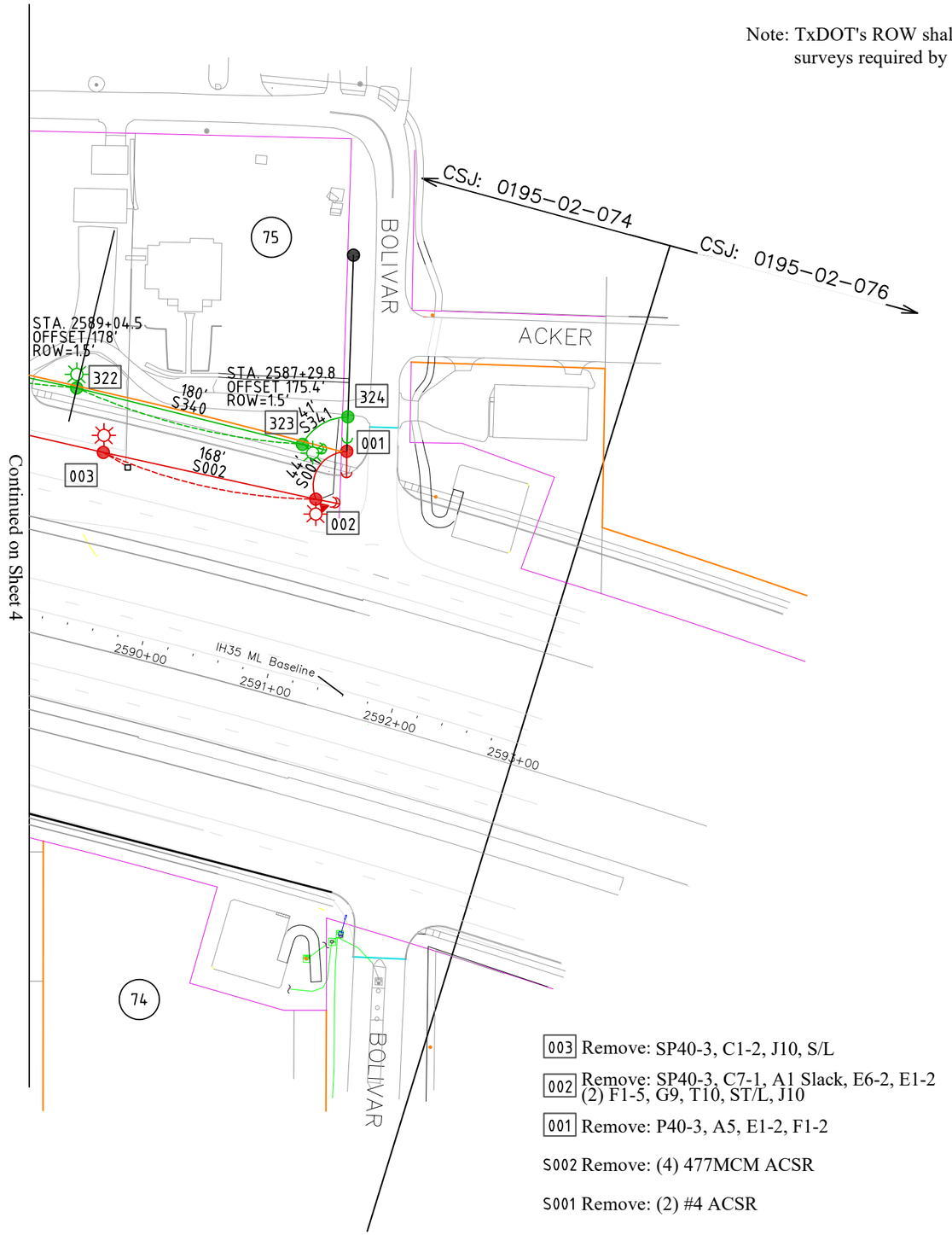

003 Remove: SP40-3, C1-2, J10, S/L

002 Remove: SP40-3, C7-1, A1 Slack, E6-2, E1-2 (2) F1-5, G9, T10, ST/L, J10

001 Remove: P40-3, A5, E1-2, F1-2

S002 Remove: (4) 477MCM ACSR

S001 Remove: (2) #4 ACSR

322 Install: P45-2, C1-2, (2)K14, S/L, M2-2

323 Install: P45-2, C7-1, A1 Slack, M5-10, K14 E6-2, E1-2, (2) F1-5, ST/L, M2-2

324 Install: P40-3, A5, E1-2, F1-2, M2-2

S340 Install: (3)795MCM ACSR, 1-477MCM ACSR #6 DUP

S341 Install: (2) #4 ACSR

0 50' 100'

N

LEGEND

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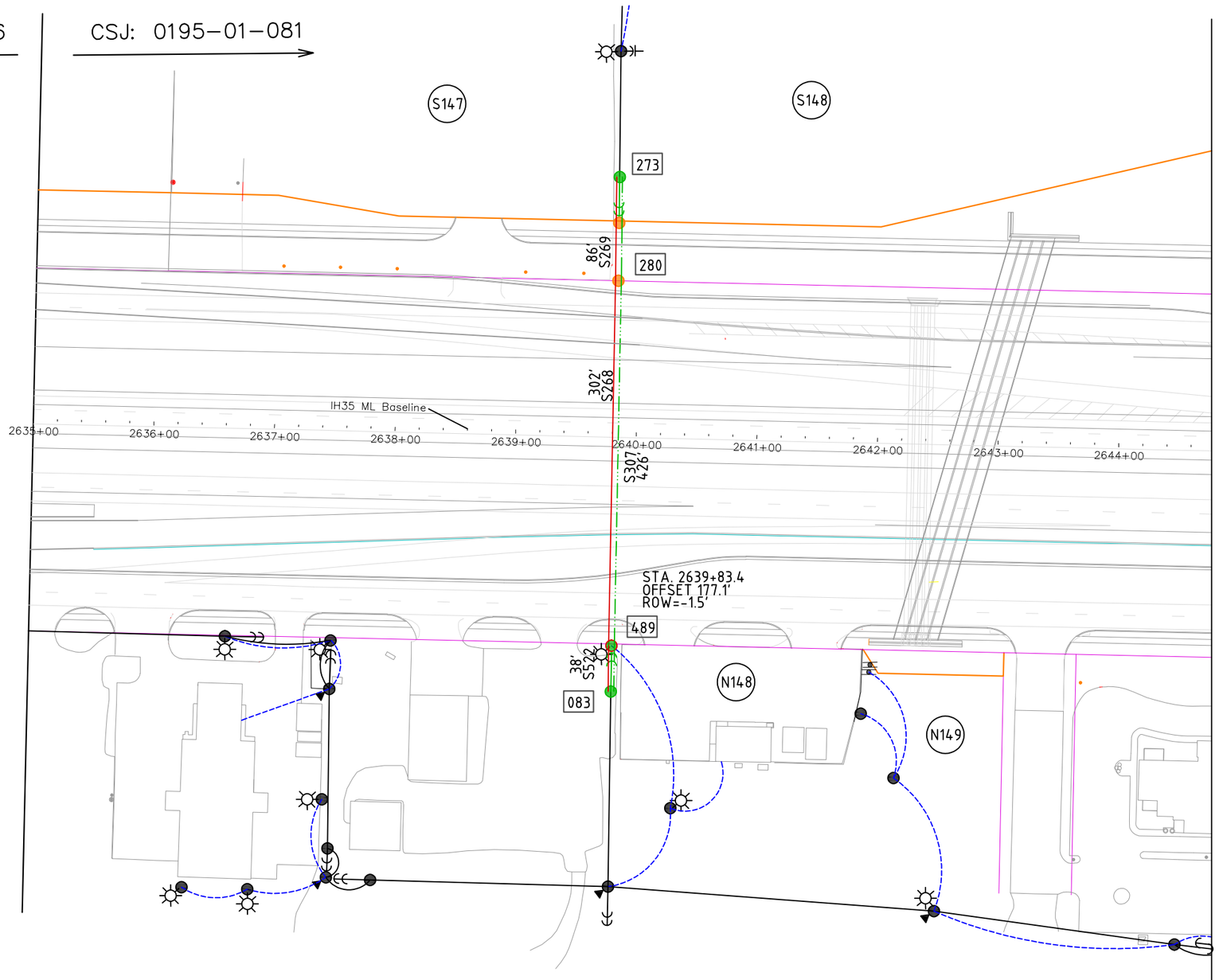
DRAWN BY:	CHECKED BY:	SHEET NO.	REV.
LSS	RAS	5 OF 23	

CSJ: 0195-02-076

CSJ: 0195-01-081



Continued on Sheet 7

083 Install: P45-2, C7-1, UP6B, E6-2, E1-2, (2)F1-5, M2-1, M2-2

273 Install: P45-2, C7-1, UP6B, E6-2, E1-2, (2)F1-5, M2-1, M2-2

280 Remove: C20-2

489 Remove: SP55-2, C2-2, S/L, J10
Install: P35-3, S/L, K14

S268 Remove: (4) 477MCM ACSR

S269 Remove: (4) 477MCM ACSR

S307 Install: (6) 750MCM AL URD in 2-6" HDPE with (2)8" Directional Bores

S521 Remove: (4) 477MCM ACSR

Note: TxDOT's ROW shall be determined on the ground and any additional surveys required by TxDOT procured before installation.

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
- PROPOSED POLE
- CHANGE OUT EXISTING POLE
- PROPOSED SELF SUPPORTING POLE
- COSERV LINE
- COSERV EXISTING POLE
- COSERV PROPOSED POLE
- EXISTING TRANSFORMER
- REMOVE EXISTING TRANSFORMER
- PROPOSED TRANSFORMER
- EXISTING SECONDARY OR SERVICE
- PROPOSED SECONDARY OR SERVICE
- EXISTING GUY LOCATION
- REMOVE EXISTING GUY
- PROPOSED GUY LOCATION
- ## PARCEL NUMBER

STATE OF TEXAS
ROBERT ALLEN SINGLETARY
57979
LICENSED
PROFESSIONAL ENGINEER
6 / 5 / 23

APPROVED
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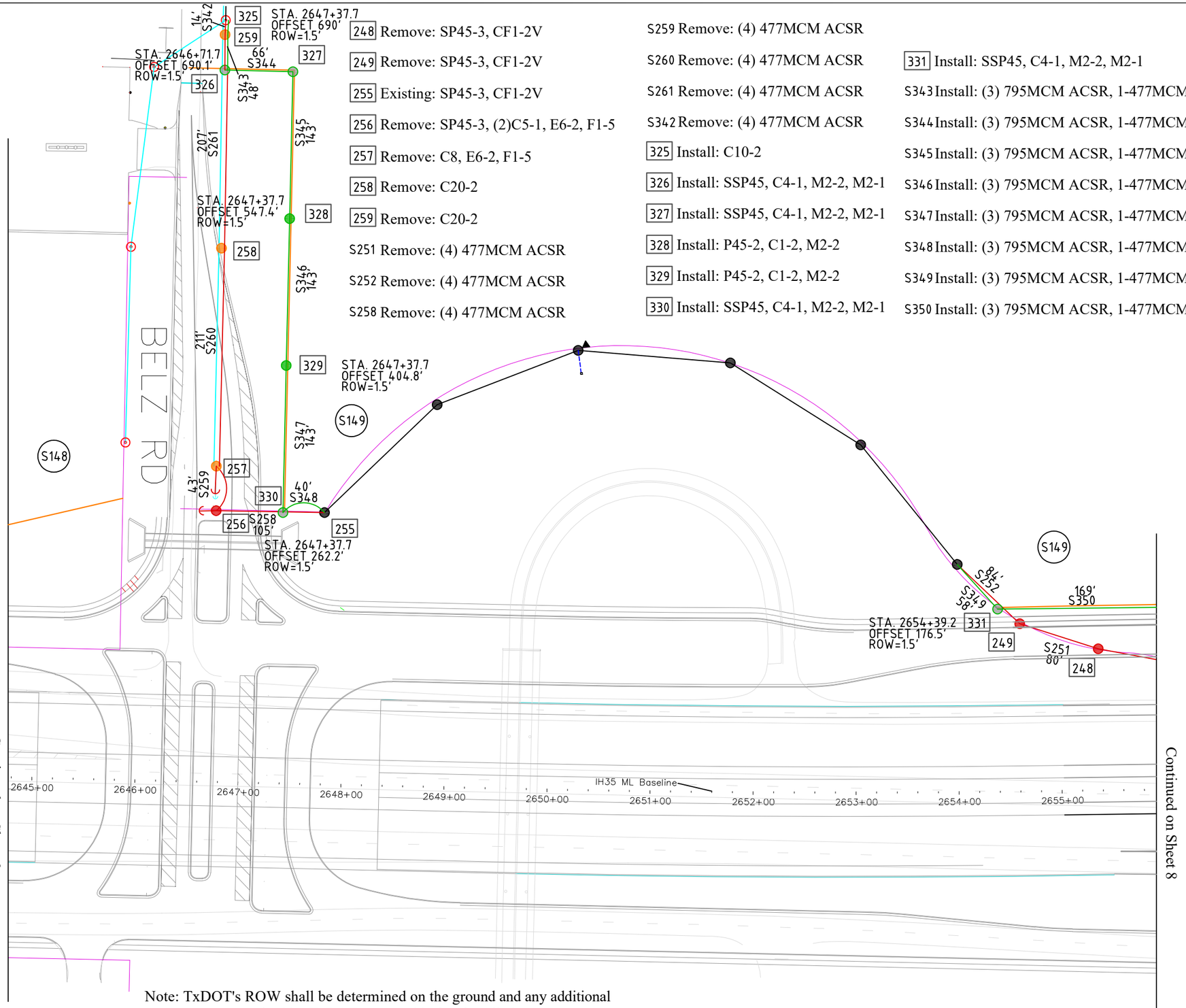
EST. 1886
SANGER
ELECTRIC UTILITIES

IH35 Widening Mandated

Power-D Utility Services

SCALE:	DATE:	DWG NO.	APPROVED.
1 : 100	1 / 28 / 23	2000	6 / 5 / 23
DRAWN BY:	CHECKED BY:	SHEET NO.	REV.
LSS	RAS	6 OF 23	



248 Remove: SP45-3, CF1-2V

249 Remove: SP45-3, CF1-2V

255 Existing: SP45-3, CF1-2V

256 Remove: SP45-3, (2)C5-1, E6-2, F1-5

257 Remove: C8, E6-2, F1-5

258 Remove: C20-2

259 Remove: C20-2

S251 Remove: (4) 477MCM ACSR

S252 Remove: (4) 477MCM ACSR

S258 Remove: (4) 477MCM ACSR

S259 Remove: (4) 477MCM ACSR

S260 Remove: (4) 477MCM ACSR

S261 Remove: (4) 477MCM ACSR

S342 Remove: (4) 477MCM ACSR

325 Install: C10-2

326 Install: SSP45, C4-1, M2-2, M2-1

327 Install: SSP45, C4-1, M2-2, M2-1

328 Install: P45-2, C1-2, M2-2

329 Install: P45-2, C1-2, M2-2

330 Install: SSP45, C4-1, M2-2, M2-1

331 Install: SSP45, C4-1, M2-2, M2-1

S343 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S344 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S345 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S346 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S347 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S348 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S349 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S350 Install: (3) 795MCM ACSR, 1-477MCM ACSR

Continued on Sheet 6

Continued on Sheet 8

Note: TxDOT's ROW shall be determined on the ground and any additional surveys required by TxDOT procured before installation.

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
- PROPOSED POLE
- CHANGE OUT EXISTING POLE
- PROPOSED SELF SUPPORTING POLE
- COSERV LINE
- COSERV EXISTING POLE
- COSERV PROPOSED POLE
- EXISTING TRANSFORMER
- REMOVE EXISTING TRANSFORMER
- PROPOSED TRANSFORMER
- EXISTING SECONDARY OR SERVICE
- PROPOSED SECONDARY OR SERVICE
- EXISTING GUY LOCATION
- REMOVE EXISTING GUY
- PROPOSED GUY LOCATION
- ## PARCEL NUMBER

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ROBERT ALLEN SINGLETARY
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LICENSED PROFESSIONAL ENGINEER
6 / 5 / 23

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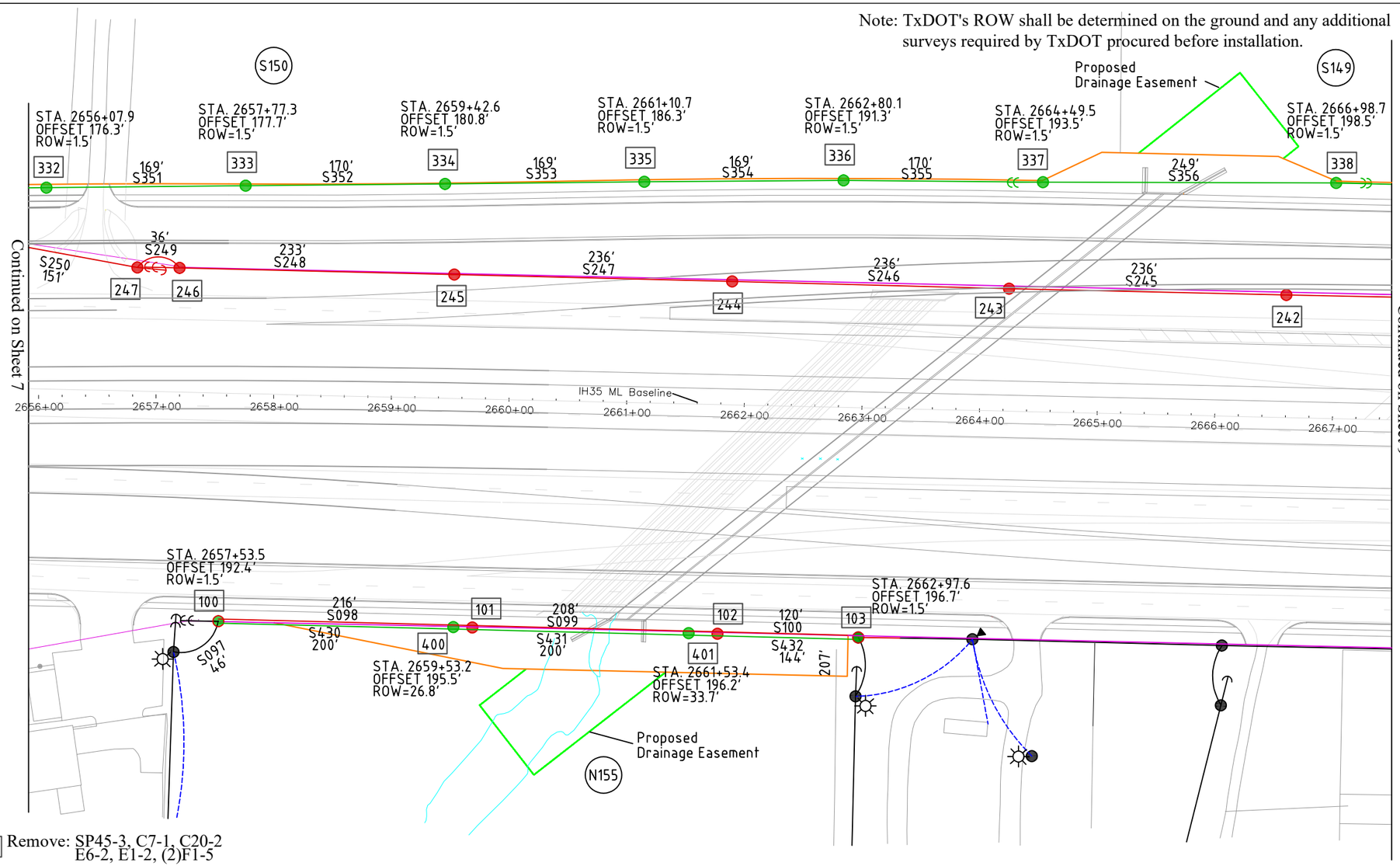
ELECTRIC UTILITIES

IH35 Widening Mandated

Power-D Utility Services

SCALE:	DATE:	DWG NO.	APPROVED.
1 : 100	1 / 28 / 23	2000	6 / 5 / 23
DRAWN BY:	CHECKED BY:	SHEET NO.	REV.
LSS	RAS	7 OF 23	

Note: TxDOT's ROW shall be determined on the ground and any additional surveys required by TxDOT procured before installation.



100 Remove: SP45-3, C7-1, C20-2
E6-2, E1-2, (2)F1-5

101 Remove: P45-2, C1-2

102 Remove: P45-2, C1-2

103 Remove: SP45-3, C1-2, A1 Slack, M5-10
Install: P45-2, C1-2, A1 Slack, M5-10, M2-2

242 Remove: SP45-3, C1-2

243 Remove: SP45-3, C1-2

244 Remove: SP45-3, C1-2

245 Remove: SP45-3, C1-2

246 Remove: SP45-3, C5-1, CF1-2V
E6-2, E1-2, (2)F1-5

247 Remove: SP45-3, C5-1, CF1-2V
E6-2, E1-2, (2)F1-5

S098 Remove: (4) 477MCM ACSR

S099 Remove: (4) 477MCM ACSR

S100 Remove: (4) 477MCM ACSR

S245 Remove: (4) 477MCM ACSR

S246 Remove: (4) 477MCM ACSR

S247 Remove: (4) 477MCM ACSR

S248 Remove: (4) 477MCM ACSR

S249 Remove: (4) 477MCM ACSR

332 Install: P45-2, C1-2, M2-2

333 Install: P45-2, C1-2, M2-2

334 Install: P45-2, C1-2, M2-2

335 Install: P45-2, C1-2, M2-2

336 Install: P45-2, C1-2, M2-2

337 Install: P45-2, C8, E6-2, E1-2, (2)F1-5, M2-2

338 Install: P45-2, C8, E6-2, E1-2, (2)F1-5, M2-2

400 Install: P45-2, C1-2, M2-2

401 Install: P45-2, C1-2, M2-2

S351 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S352 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S353 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S354 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S355 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S356 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S430 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S431 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S432 Install: (3) 795MCM ACSR, 1-477MCM ACSR

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
- PROPOSED POLE
- CHANGE OUT EXISTING POLE
- PROPOSED SELF SUPPORTING POLE
- COSERV LINE
- COSERV EXISTING POLE
- COSERV PROPOSED POLE
- EXISTING TRANSFORMER
- REMOVE EXISTING TRANSFORMER
- PROPOSED TRANSFORMER
- EXISTING SECONDARY OR SERVICE
- PROPOSED SECONDARY OR SERVICE
- EXISTING GUY LOCATION
- REMOVE EXISTING GUY
- PROPOSED GUY LOCATION
- ## PARCEL NUMBER

STATE OF TEXAS
ROBERT ALLEN SINGLETARY
57979
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PROFESSIONAL ENGINEER
6 / 5 / 23

APPROVED
FOR CONSTRUCTION

EST. 1886
SANGER
ELECTRIC UTILITIES

IH35 Widening Mandated

Power-D Utility Services

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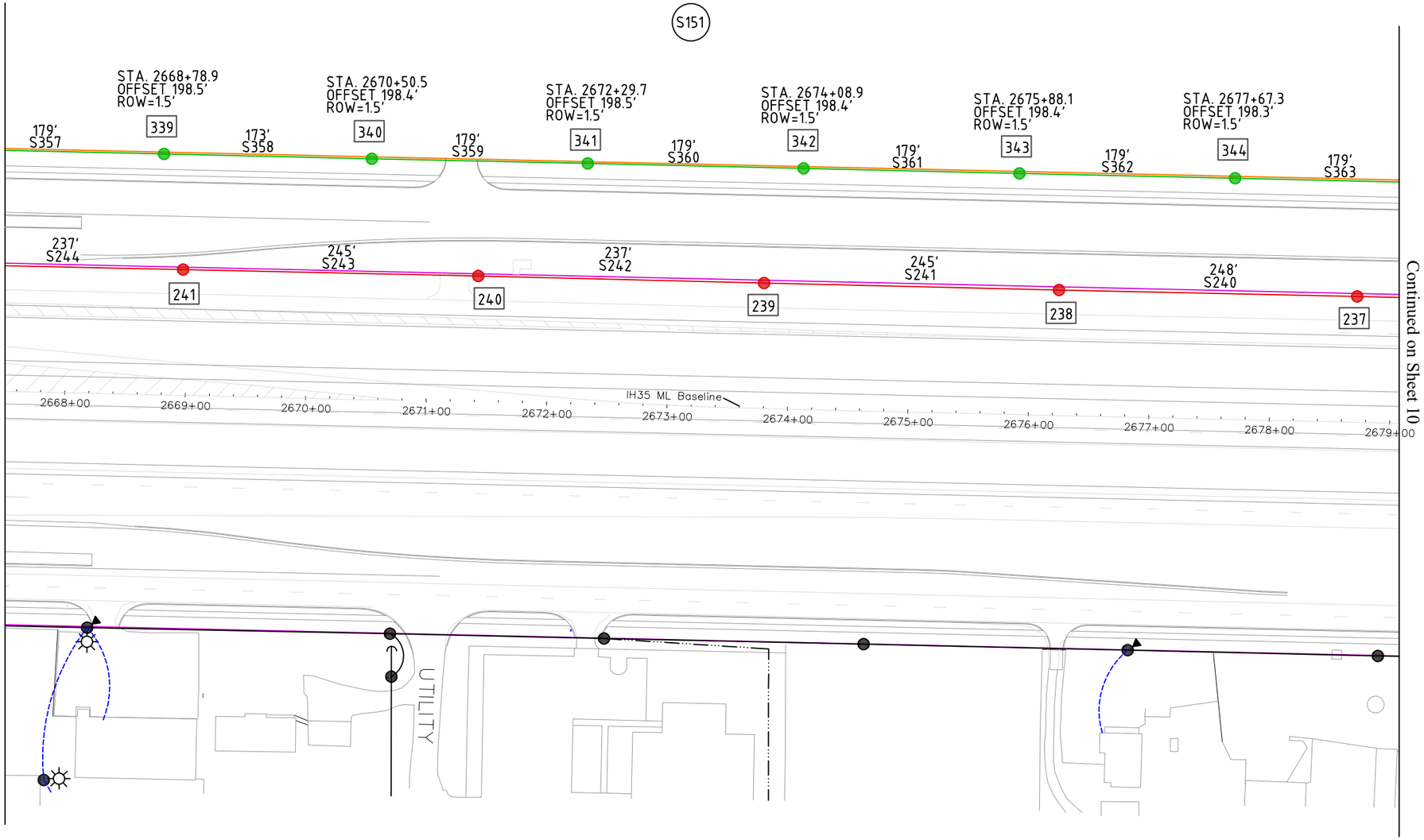
1 : 100	1 / 28 / 23	2000	6 / 5 / 23
DRAWN BY:	CHECKED BY:	SHEET NO.	REV.
LSS	RAS	8 OF 23	



237 Remove: SP45-3, C1-2

238 Remove: SP45-3, C1-2

239 Remove: SP45-3, C1-2

240 Remove: SP45-3, C1-2

241 Remove: SP40-3, C1-2

S240 Remove: (4) 477MCM ACSR

S241 Remove: (4) 477MCM ACSR

S242 Remove: (4) 477MCM ACSR

S243 Remove: (4) 477MCM ACSR

S244 Remove: (4) 477MCM ACSR

339 Install: P45-2, C1-2, M2-2

340 Install: P45-2, C1-2, M2-2

341 Install: P45-2, C1-2, M2-2

342 Install: P45-2, C1-2, M2-2

343 Install: P45-2, C1-2, M2-2

344 Install: P45-2, C1-2, M2-2

S357 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S358 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S359 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S360 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S361 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S362 Install: (3) 795MCM ACSR, 1-477MCM ACSR

Note: TxDOT's ROW shall be determined on the ground and any additional surveys required by TxDOT procured before installation.

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
- PROPOSED POLE
- CHANGE OUT EXISTING POLE
- PROPOSED SELF SUPPORTING POLE
- COSERV LINE
- COSERV EXISTING POLE
- COSERV PROPOSED POLE
- EXISTING TRANSFORMER
- REMOVE EXISTING TRANSFORMER
- PROPOSED TRANSFORMER
- EXISTING SECONDARY OR SERVICE
- PROPOSED SECONDARY OR SERVICE
- EXISTING GUY LOCATION
- REMOVE EXISTING GUY
- PROPOSED GUY LOCATION
- ## PARCEL NUMBER

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LICENSED PROFESSIONAL ENGINEER
6 / 5 / 23

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FOR CONSTRUCTION

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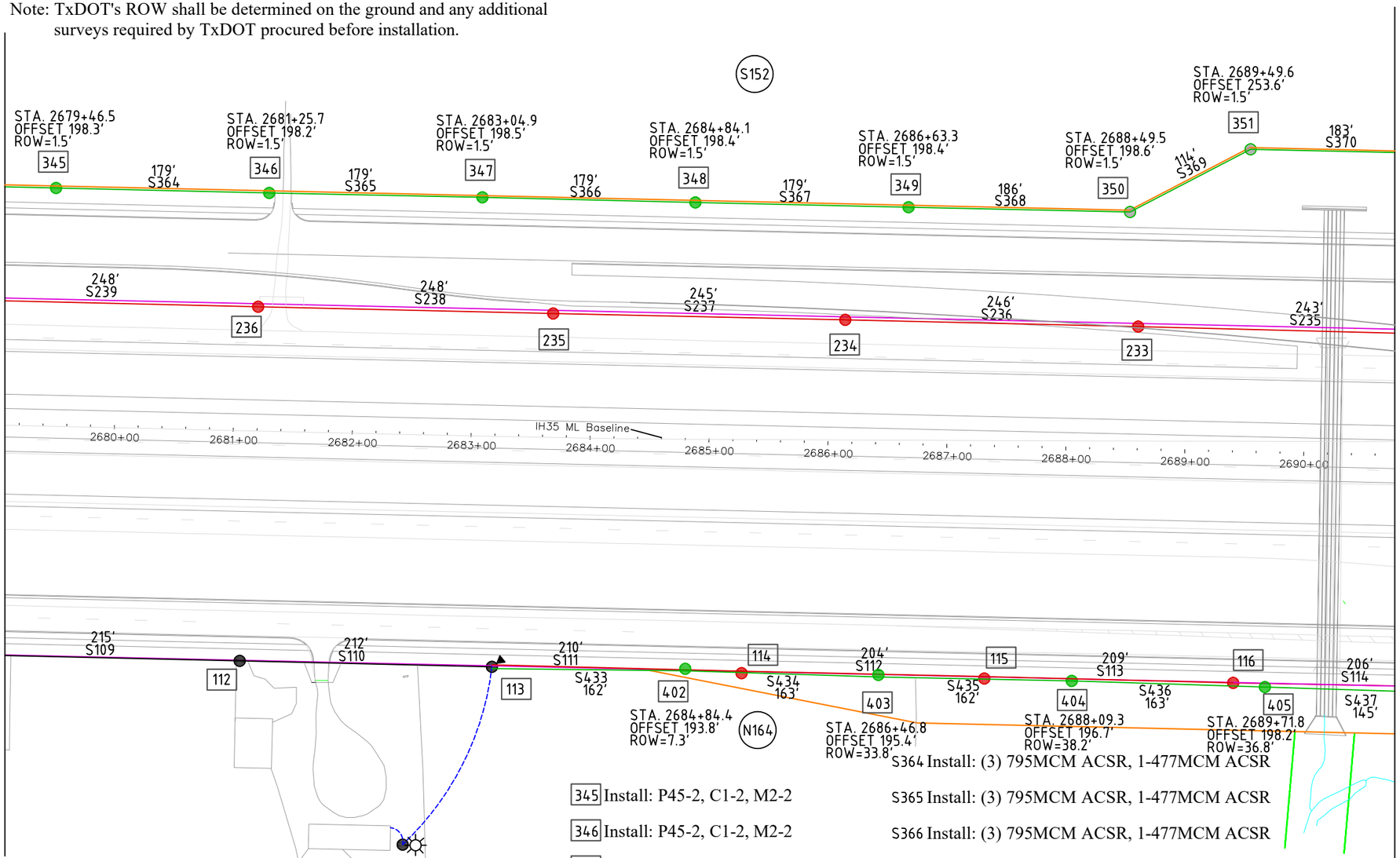
ELECTRIC UTILITIES

IH35 Widening Mandated

Power-D Utility Services

SCALE:	DATE:	DWG NO.	APPROVED.
1 : 100	1 / 28 / 23	2000	6 / 5 / 23
DRAWN BY:	CHECKED BY:	SHEET NO.	REV.
LSS	RAS	9 OF 23	

Note: TxDOT's ROW shall be determined on the ground and any additional surveys required by TxDOT procured before installation.



S111 Remove: (4) 477MCM ACSR

S112 Remove: (4) 477MCM ACSR

114 Remove: SP45-3, C1-2

S113 Remove: (4) 477MCM ACSR

115 Remove: SP45-3, C1-2

S114 Remove: (4) 477MCM ACSR

116 Remove: SP45-3, C1-2

S235 Remove: (4) 477MCM ACSR

233 Remove: SP45-3, C1-2

S236 Remove: (4) 477MCM ACSR

234 Remove: SP45-3, C1-2

S237 Remove: (4) 477MCM ACSR

235 Remove: SP45-3, C1-2

S238 Remove: (4) 477MCM ACSR

236 Remove: SP40-3, C1-2

S239 Remove: (4) 477MCM ACSR

345 Install: P45-2, C1-2, M2-2

346 Install: P45-2, C1-2, M2-2

347 Install: P45-2, C1-2, M2-2

348 Install: P45-2, C1-2, M2-2

349 Install: P45-2, C1-2, M2-2

350 Install: SSP45, C2-2, M2-2, M2-1

351 Install: SSP45, C2-2, M2-2, M2-1

402 Install: P45-2, C1-2, M2-2

403 Install: P45-2, C1-2, M2-2

404 Install: P45-2, C1-2, M2-2

405 Install: P45-2, C1-2, M2-2

S364 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S365 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S366 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S367 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S368 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S369 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S370 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S433 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S434 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S435 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S436 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S437 Install: (3) 795MCM ACSR, 1-477MCM ACSR

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
- PROPOSED POLE
- CHANGE OUT EXISTING POLE
- PROPOSED SELF SUPPORTING POLE
- COSERV LINE
- COSERV EXISTING POLE
- COSERV PROPOSED POLE
- EXISTING TRANSFORMER
- REMOVE EXISTING TRANSFORMER
- PROPOSED TRANSFORMER
- EXISTING SECONDARY OR SERVICE
- PROPOSED SECONDARY OR SERVICE
- EXISTING GUY LOCATION
- REMOVE EXISTING GUY
- PROPOSED GUY LOCATION
- ## PARCEL NUMBER

STATE OF TEXAS
ROBERT ALLEN SINGLETARY
57979
LICENSED
PROFESSIONAL ENGINEER
6 / 5 / 23

APPROVED
FOR CONSTRUCTION

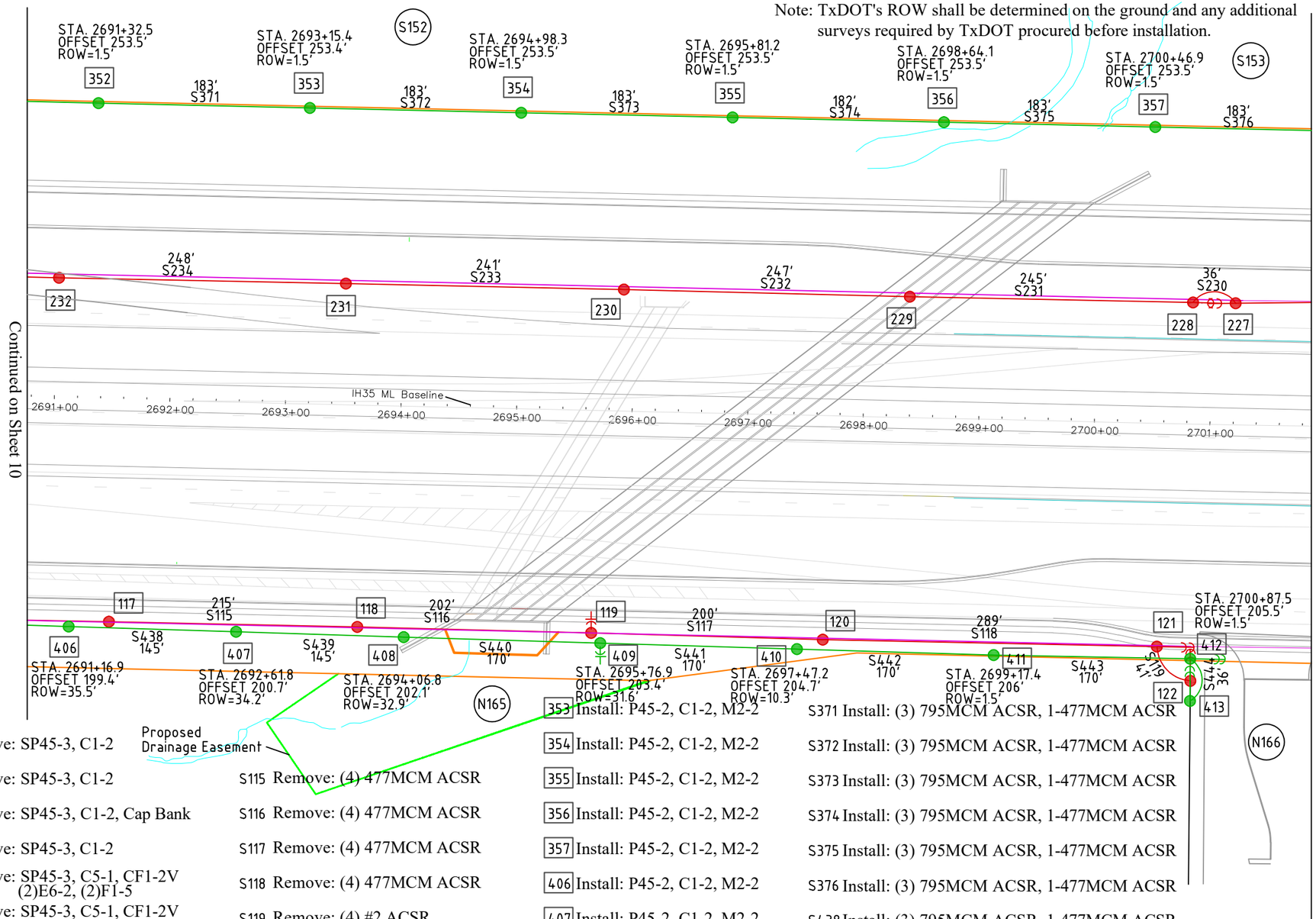
EST. 1886
SANGER
ELECTRIC UTILITIES

IH35 Widening Mandated

Power-D Utility Services

SCALE:	DATE:	DWG NO.	APPROVED.
1 : 100	1 / 28 / 23	2000	6 / 5 / 23
DRAWN BY:	CHECKED BY:	SHEET NO.	REV.
LSS	RAS	10 OF 23	

Note: TxDOT's ROW shall be determined on the ground and any additional surveys required by TxDOT procured before installation.



117	Remove: SP45-3, C1-2	S115	Remove: (4) 477MCM ACSR	353	Install: P45-2, C1-2, M2-2
118	Remove: SP45-3, C1-2	S116	Remove: (4) 477MCM ACSR	354	Install: P45-2, C1-2, M2-2
119	Remove: SP45-3, C1-2, Cap Bank	S117	Remove: (4) 477MCM ACSR	355	Install: P45-2, C1-2, M2-2
120	Remove: SP45-3, C1-2	S118	Remove: (4) 477MCM ACSR	356	Install: P45-2, C1-2, M2-2
121	Remove: SP45-3, C5-1, CF1-2V (2)E6-2, (2)F1-5	S119	Remove: (4) #2 ACSR	357	Install: P45-2, C1-2, M2-2
122	Remove: SP45-3, C5-1, CF1-2V (2)E6-2, (2)F1-5	S230	Remove: (4) 477MCM ACSR	406	Install: P45-2, C1-2, M2-2
227	Remove: SP45-3, C5-1, CF1-2V E6-2, F1-5	S231	Remove: (4) 477MCM ACSR	407	Install: P45-2, C1-2, M2-2
228	Remove: SP45-3, C5-1, CF1-2V (2)E6-2, (2)F1-5	S232	Remove: (4) 477MCM ACSR	408	Install: P45-2, C1-2, M2-2
229	Remove: SP45-3, C1-2	S233	Remove: (4) 477MCM ACSR	409	Install: P45-2, C1-2, M2-2 Cap Bank, M2-1
230	Remove: SP40-3, C1-2	S234	Remove: (4) 477MCM ACSR	410	Install: P45-2, C1-2, M2-2
231	Remove: SP45-3, C1-2	352	Install: P45-2, C1-2, M2-2	411	Install: P45-2, C1-2, M2-2
232	Remove: SP40-3, C1-2			412	Install: P45-2, C1-2, M2-2 C1 Slack, (3)M5-10
				413	Install: P40-3, C7, M2-2, E6-2 F1-5

S371	Install: (3) 795MCM ACSR, 1-477MCM ACSR
S372	Install: (3) 795MCM ACSR, 1-477MCM ACSR
S373	Install: (3) 795MCM ACSR, 1-477MCM ACSR
S374	Install: (3) 795MCM ACSR, 1-477MCM ACSR
S375	Install: (3) 795MCM ACSR, 1-477MCM ACSR
S376	Install: (3) 795MCM ACSR, 1-477MCM ACSR
S438	Install: (3) 795MCM ACSR, 1-477MCM ACSR
S439	Install: (3) 795MCM ACSR, 1-477MCM ACSR
S440	Install: (3) 795MCM ACSR, 1-477MCM ACSR
S441	Install: (3) 795MCM ACSR, 1-477MCM ACSR
S442	Install: (3) 795MCM ACSR, 1-477MCM ACSR
S443	Install: (3) 795MCM ACSR, 1-477MCM ACSR
S444	Install: (4) #2 ACSR

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
- PROPOSED POLE
- CHANGE OUT EXISTING POLE
- PROPOSED SELF SUPPORTING POLE
- COSERV LINE
- COSERV EXISTING POLE
- COSERV PROPOSED POLE
- EXISTING TRANSFORMER
- REMOVE EXISTING TRANSFORMER
- PROPOSED TRANSFORMER
- EXISTING SECONDARY OR SERVICE
- PROPOSED SECONDARY OR SERVICE
- EXISTING GUY LOCATION
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- ## PARCEL NUMBER

STATE OF TEXAS
ROBERT ALLEN SINGLETARY
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PROFESSIONAL ENGINEER
6 / 5 / 23

APPROVED
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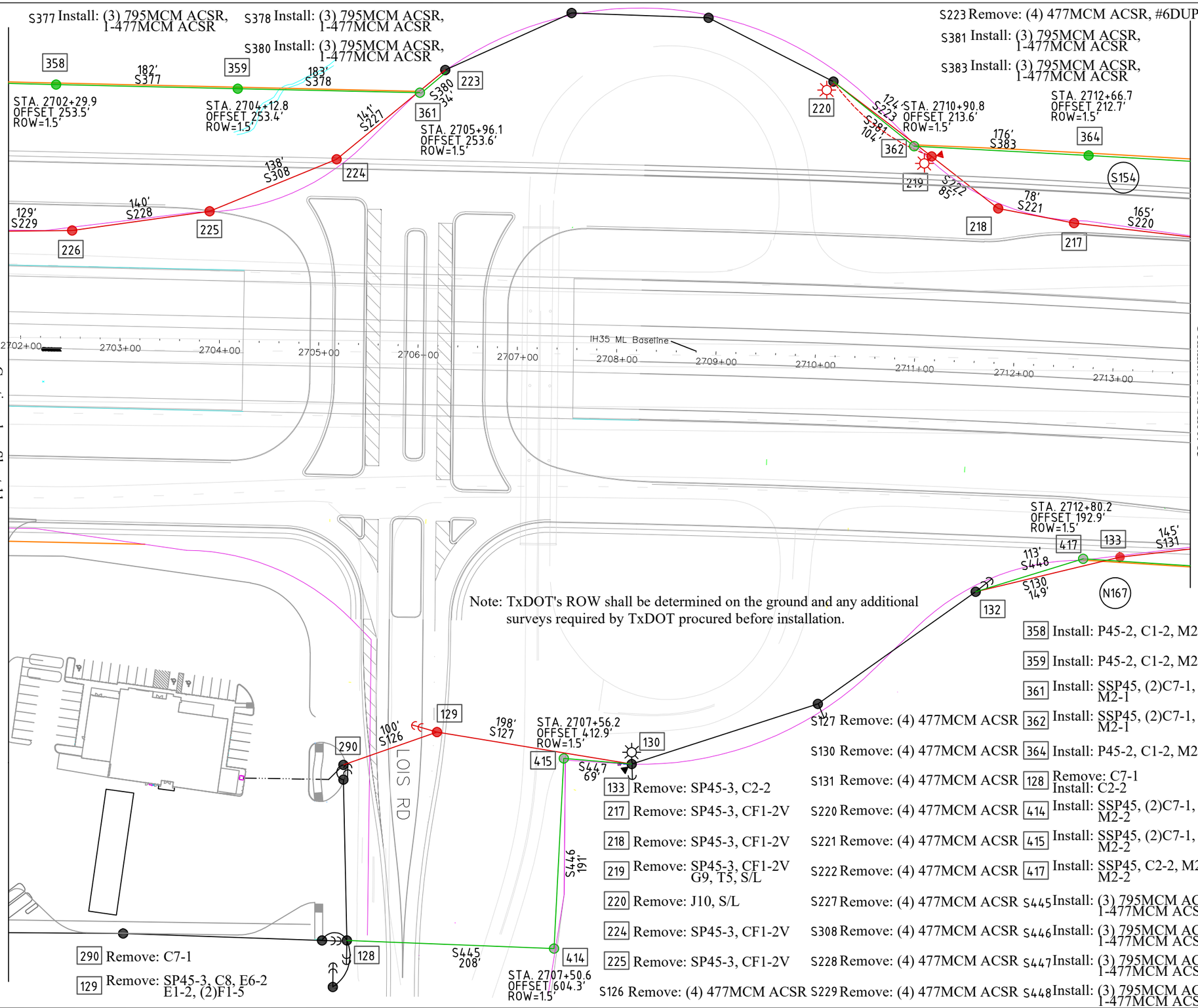
EST. 1886
SANGER
ELECTRIC UTILITIES

IH35 Widening Mandated

Power-D Utility Services

SCALE:	DATE:	DWG NO.	APPROVED.
1 : 100	5 / 28 / 20	2000	6 / 5 / 23
DRAWN BY:	CHECKED BY:	SHEET NO.	REV.
USB	RAS	11 OF 23	



0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
- PROPOSED POLE
- CHANGE OUT EXISTING POLE
- PROPOSED SELF SUPPORTING POLE
- COSERV LINE
- COSERV EXISTING POLE
- COSERV PROPOSED POLE
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- PROPOSED TRANSFORMER
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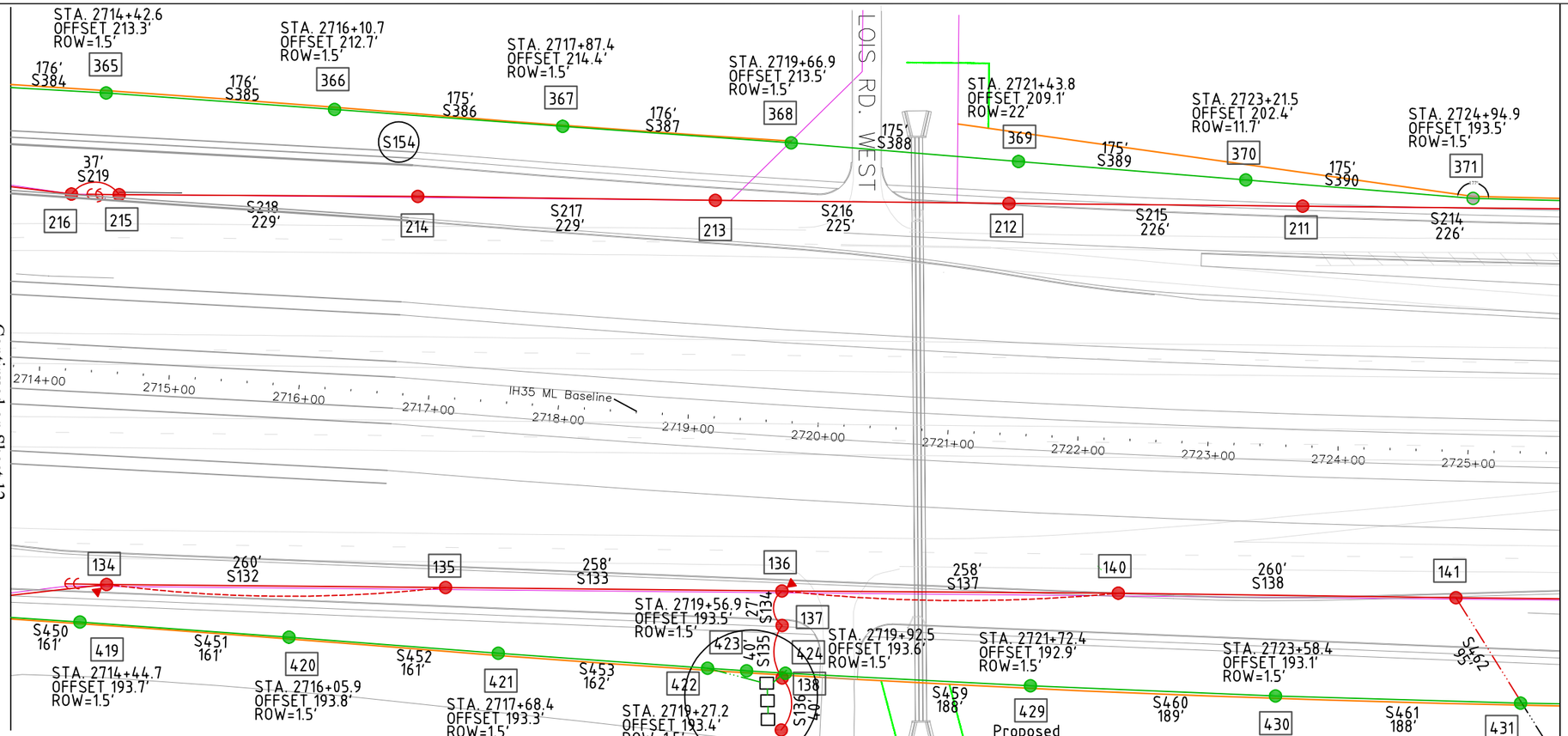
1 : 100	1 / 28 / 23	2000	6 / 5 / 23
DRAWN BY:	CHECKED BY:	SHEET NO.	REV.
LSS	RAS	12 OF 23	



Continued on Sheet 12

Continued on Sheet 14

134	Remove: SP45-3, C8, G9, T1.5, J10 E6-2, E1-2, (2)F1-5	S132	Remove: (4) 477MCM ACSR, #6 DUP	S384	Install: (3) 795MCM ACSR, 1-477MCM ACSR
135	Remove: SP45-3, C8-1, J10, MOS	S133	Remove: (4) 477MCM ACSR	S385	Install: (3) 795MCM ACSR, 1-477MCM ACSR
136	Remove: SP45-3, C1-2, C7-1, G9 (3)M5-10, J10	S134	Remove: (4) 477MCM ACSR	S386	Install: (3) 795MCM ACSR, 1-477MCM ACSR
137	Remove: SP45-3, C8-1, Pri Mtr	S135	Remove: (4) 477MCM ACSR	S387	Install: (3) 795MCM ACSR, 1-477MCM ACSR
138	Remove: SP45-3, C10-2, M3-15, UP4	S136	Remove: (4) 477MCM ACSR	S388	Install: (3) 795MCM ACSR, 1-477MCM ACSR
139	Remove: SP45-3, C7-1, M3-15, UP4	S137	Remove: (4) 477MCM ACSR, #6 DUP	S389	Install: (3) 795MCM ACSR, 1-477MCM ACSR
140	Remove: SP45-3, C8-1, J10, MOS	S138	Remove: (4) 477MCM ACSR	S390	Install: (3) 795MCM ACSR, 1-477MCM ACSR
141	Remove: P45-2, C1-2, UP2-3	S214	Remove: (4) 477MCM ACSR	S450	Install: (3) 795MCM ACSR, 1-477MCM ACSR
211	Remove: SP45-3, C1-2	S215	Remove: (4) 477MCM ACSR	S451	Install: (3) 795MCM ACSR, 1-477MCM ACSR
212	Remove: SP45-3, C1-2	S216	Remove: (4) 477MCM ACSR	S452	Install: (3) 795MCM ACSR, 1-477MCM ACSR
213	Remove: SP45-3, C1-2	S217	Remove: (4) 477MCM ACSR	S453	Install: (3) 795MCM ACSR, 1-477MCM ACSR
214	Remove: SP40-3, C1-2	S218	Remove: (4) 477MCM ACSR	S459	Install: (3) 795MCM ACSR, 1-477MCM ACSR
215	Remove: SP45-3, C5-1, CF1-2V (2)E6-2, (2)F1-5	S219	Remove: (4) 477MCM ACSR	S460	Install: (3) 795MCM ACSR, 1-477MCM ACSR
216	Remove: SP45-3, C5-1, CF1-2V E6-2, F1-5	S462	Remove: (3) 1/0 URD, 4" PVC Conduit	S461	Install: (3) 795MCM ACSR, 1-477MCM ACSR
365	Install: P45-2, C1-2, M2-2				
366	Install: P45-2, C1-2, M2-2				
367	Install: P45-2, C1-2, M2-2				
368	Install: P45-2, C1-2, M2-2				
369	Install: P45-2, C1-2, M2-2				
370	Install: P45-2, C1-2, M2-2				
371	Install: SSP45, C2-2, M2-2 M2-1				
419	Install: P45-2, C1-2, M2-2				
420	Install: P45-2, C1-2, M2-2				
421	Install: P45-2, C1-2, M2-2				
429	Install: P45-2, C1-2, M2-2				
430	Install: P45-2, C1-2, M2-2				
431	Install: P45-2, C1-2, UP2-3, M2-1, M2-2				

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
- PROPOSED POLE
- CHANGE OUT EXISTING POLE
- PROPOSED SELF SUPPORTING POLE
- COSERV LINE
- COSERV EXISTING POLE
- COSERV PROPOSED POLE
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- REMOVE EXISTING TRANSFORMER
- PROPOSED TRANSFORMER
- EXISTING SECONDARY OR SERVICE
- PROPOSED SECONDARY OR SERVICE
- EXISTING GUY LOCATION
- REMOVE EXISTING GUY
- PROPOSED GUY LOCATION
- ## PARCEL NUMBER

STATE OF TEXAS
ROBERT ALLEN SINGLETARY
57979
LICENSED
PROFESSIONAL ENGINEER
6 / 5 / 23

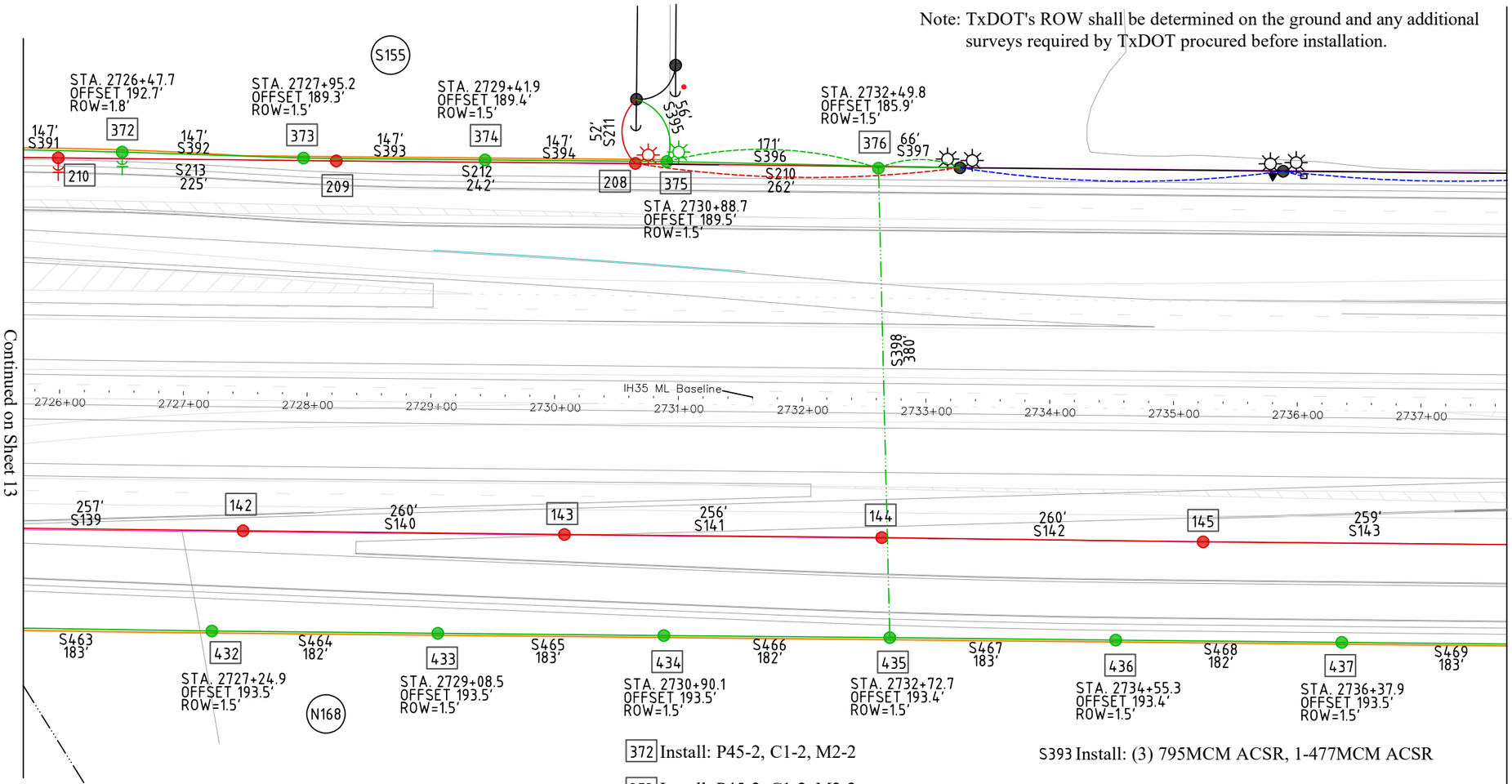
APPROVED
FOR CONSTRUCTION

SANGER
EST. 1886
ELECTRIC UTILITIES

IH35 Widening Mandated

Power-D Utility Services

SCALE:	DATE:	DWG NO.	APPROVED.
1 : 100	1 / 28 / 23	2000	6 / 5 / 23
DRAWN BY:	**CHECKED BY:**	**SHEET NO.**	**REV.**
LSS	RAS	13 OF 23	



142 Remove: SP45-3, C1-2

143 Remove: SP45-3, C1-2

144 Remove: SP45-3, C1-2

145 Remove: SP45-3, C1-2

208 Remove: SP45-3, C1-2, C20-2, S/L, J10

209 Remove: SP45-3, C1-2

210 Remove: P45-2, C1-2, Cap Bank

S139 Remove: (4) 477MCM ACSR

S140 Remove: (4) 477MCM ACSR

S141 Remove: (4) 477MCM ACSR

S142 Remove: (4) 477MCM ACSR

S143 Remove: (4) 477MCM ACSR

S210 Remove: (4) 477MCM ACSR

S211 Remove: (4) 1/0 ACSR

S212 Remove: (4) 477MCM ACSR

S213 Remove: (4) 477MCM ACSR

372 Install: P45-2, C1-2, M2-2

373 Install: P45-2, C1-2, M2-2

374 Install: P45-2, C1-2, M2-2

375 Install: P45-2, C1-2, C7, M2-2 (3)M5-10, K14, S/L

376 Install: P45-2, C1-2, UP6B M2-1, M2-2, (2)K14

432 Install: P45-2, C1-2, M2-2

433 Install: P45-2, C1-2, M2-2

434 Install: P45-2, C1-2, M2-2

435 Install: P45-2, C1-2, UP6B M2-1, M2-2, (2)K14

436 Install: P45-2, C1-2, M2-2

437 Install: P45-2, C1-2, M2-2

S391 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S392 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S393 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S394 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S395 Install: (4) 1/0 ACSR

S396 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S397 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S398 Install: (6) 750MCM AL URD in 6" HDPE with (2)8" Directional Bores

S463 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S464 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S465 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S466 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S467 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S468 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S469 Install: (3) 795MCM ACSR, 1-477MCM ACSR

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
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- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
- PROPOSED POLE
- CHANGE OUT EXISTING POLE
- PROPOSED SELF SUPPORTING POLE
- COSERV LINE
- COSERV EXISTING POLE
- COSERV PROPOSED POLE
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- REMOVE EXISTING TRANSFORMER
- PROPOSED TRANSFORMER
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- PROPOSED SECONDARY OR SERVICE
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- ## PARCEL NUMBER

STATE OF TEXAS
ROBERT ALLEN SINGLETARY
57979
LICENSED PROFESSIONAL ENGINEER
6 / 5 / 23

APPROVED FOR CONSTRUCTION

EST. 1886 SANGER ELECTRIC UTILITIES

IH35 Widening Mandated

Power-D Utility Services

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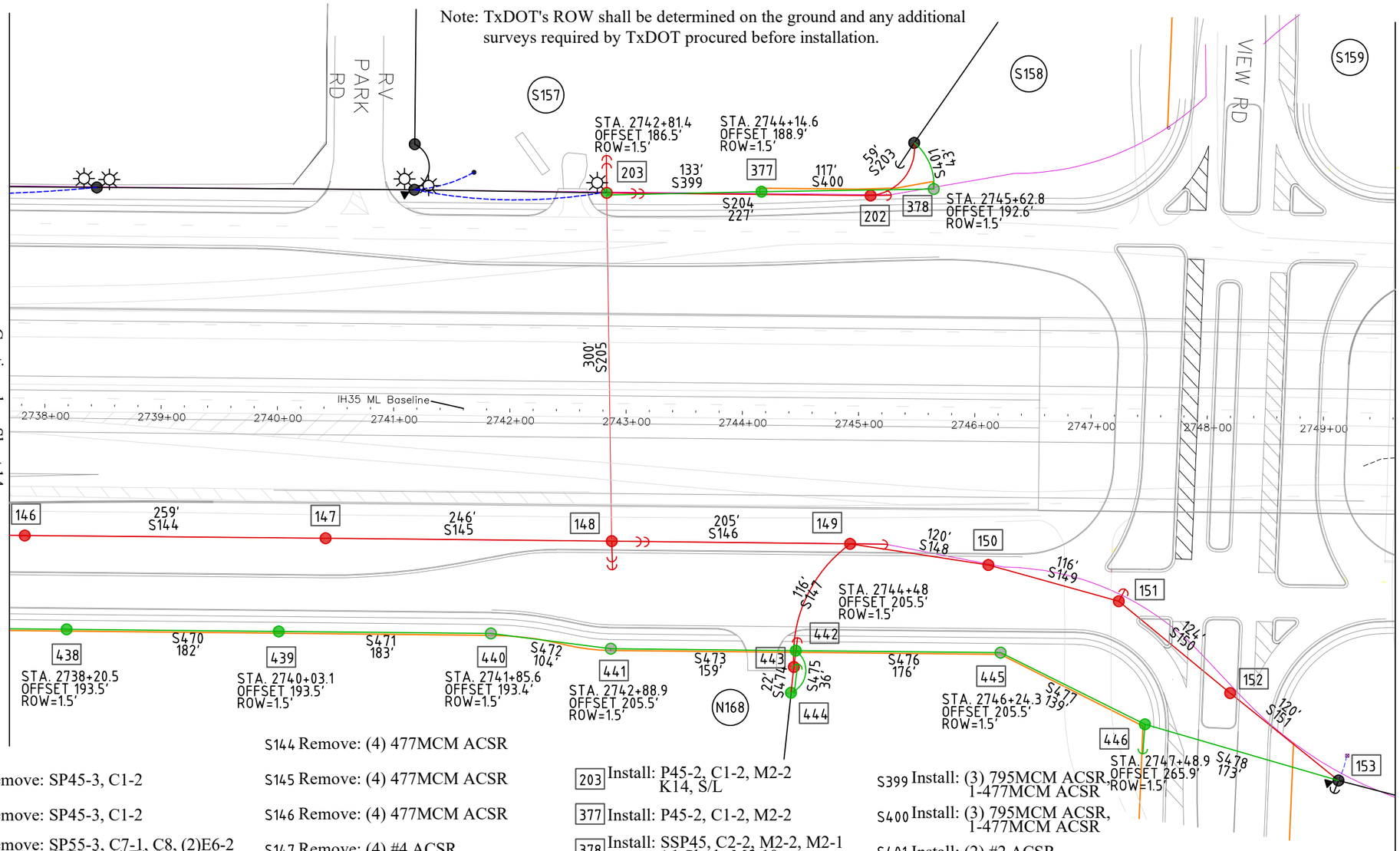
DRAWN BY:	CHECKED BY:	SHEET NO.	REV.
LSS	RAS	14 OF 23	

Note: TxDOT's ROW shall be determined on the ground and any additional surveys required by TxDOT procured before installation.



146 Remove: SP45-3, C1-2

147 Remove: SP45-3, C1-2

148 Remove: SP55-3, C7-1, C8, (2)E6-2 (2)E1-2, (4)F1-5

149 Remove: SP50-3, C7, C8, (2)E1-2 F1-2

443 Remove: P40-3, C7, (3)M5-10, (6)M5-5 E6-2, F1-5

150 Remove: SP45-3, C8

151 Remove: SP40-3, C2-2, E1-2, F1-2

152 Remove: SP45-3, C2-2

202 Remove: P40-3, A5, A1 Slack, E1-2 F1-2

203 Remove: SP55-3, (2)C7-1, A5, J10 (2)E6-2, (2)E1-2, (4)F1-5, S/L

S144 Remove: (4) 477MCM ACSR

S145 Remove: (4) 477MCM ACSR

S146 Remove: (4) 477MCM ACSR

S147 Remove: (4) #4 ACSR

S148 Remove: (4) 477MCM ACSR

S149 Remove: (4) 477MCM ACSR

S150 Remove: (4) 477MCM ACSR

S151 Remove: (4) 477MCM ACSR

S203 Remove: (2) #4 ACSR

S204 Remove: (2) #4 ACSR

S205 Remove: (4) 477MCM ACSR

S474 Remove: (4) #4 ACSR

203 Install: P45-2, C1-2, M2-2 K14, S/L

377 Install: P45-2, C1-2, M2-2

378 Install: SSP45, C2-2, M2-2, M1-1 A1 Slack, M5-10

438 Install: P45-2, C1-2, M2-2

439 Install: P45-2, C1-2, M2-2

440 Install: SSP45, C2-2, M2-2, M1-1

441 Install: SSP45, C2-2, M2-2, M1-1

442 Install: P45-2, C1-2, C1 Slack, M2-2 (3)M5-10

444 Install: P40-3, C7, E6-2, F1-5 M2-2

445 Install: SSP45, C2-2, M2-2, M1-1

446 Install: P45-2, C2-2, M2-2 E6-2, F1-5

S399 Install: (3) 795MCM ACSR 1-477MCM ACSR

S400 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S401 Install: (2) #2 ACSR

S470 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S471 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S472 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S473 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S475 Install: (4) #4 ACSR

S476 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S477 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S478 Install: (3) 795MCM ACSR, 1-477MCM ACSR

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
- PROPOSED POLE
- CHANGE OUT EXISTING POLE
- PROPOSED SELF SUPPORTING POLE
- COSERV LINE
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- REMOVE EXISTING TRANSFORMER
- PROPOSED TRANSFORMER
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- ## PARCEL NUMBER

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57979
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6 / 5 / 23

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EST. 1886
SANGER
ELECTRIC UTILITIES

IH35 Widening Mandated

Power-D Utility Services

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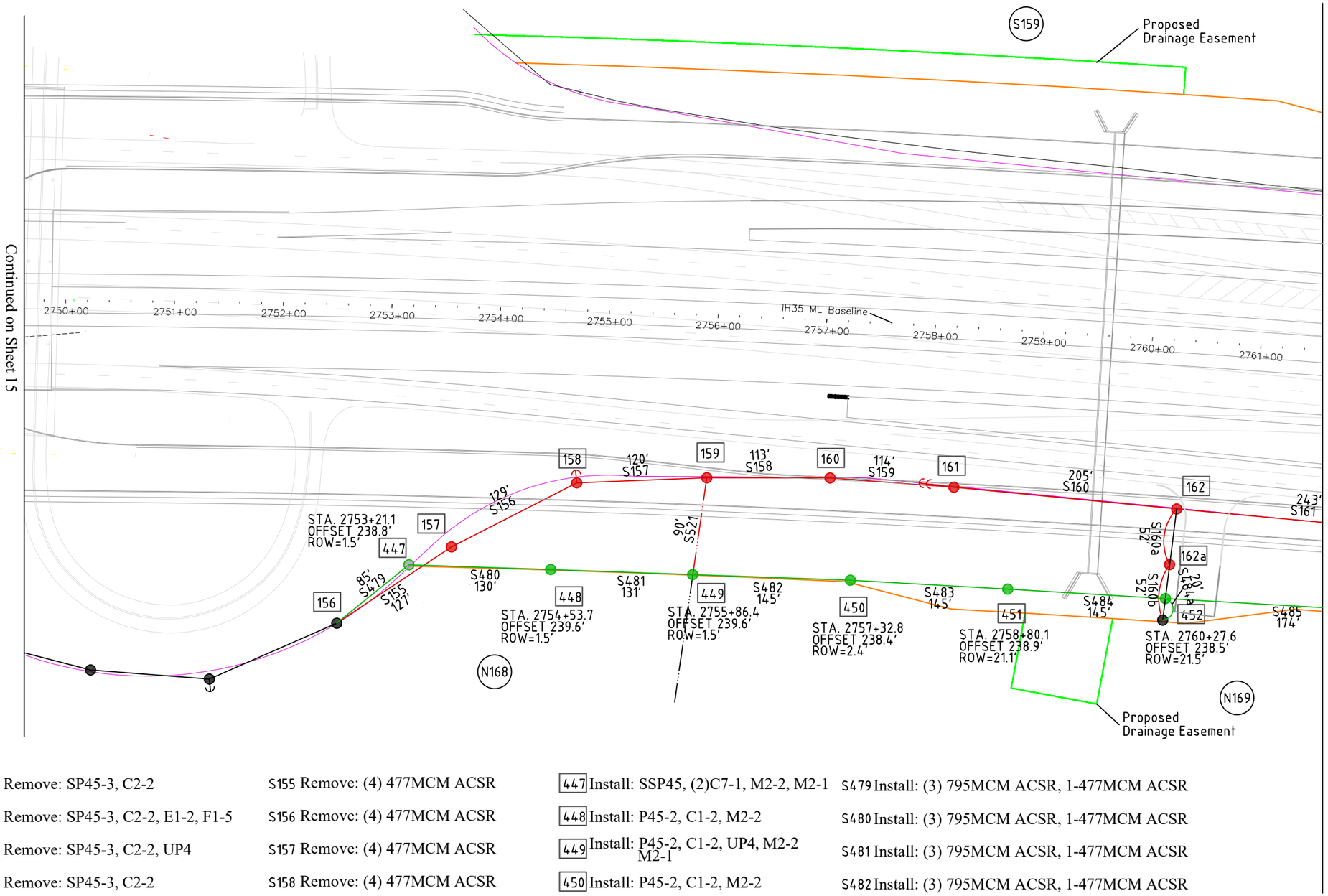
1 : 100	1 / 28 / 23	2000	6 / 5 / 23
DRAWN BY:	CHECKED BY:	SHEET NO.	REV.
LSS	RAS	15 OF 23	



157 Remove: SP45-3, C2-2

158 Remove: SP45-3, C2-2, E1-2, F1-5

159 Remove: SP45-3, C2-2, UP4

160 Remove: SP45-3, C2-2

161 Remove: SP45-3, C8, (2)E1-2, (2)F1-5

162 Remove: P45-2, C1-2, C7

162a Remove: P40-3, C1

S155 Remove: (4) 477MCM ACSR

S156 Remove: (4) 477MCM ACSR

S157 Remove: (4) 477MCM ACSR

S158 Remove: (4) 477MCM ACSR

S159 Remove: (4) 477MCM ACSR

S160 Remove: (4) 477MCM ACSR

S160a Remove: (4) 1/0 ACSR

S160b Remove: (4) 1/0 ACSR

S521 Remove: (3) 1/0 URD, 4" Conduit

447 Install: SSP45, (2)C7-1, M2-2, M2-1

448 Install: P45-2, C1-2, M2-2

449 Install: P45-2, C1-2, UP4, M2-2 M2-1

450 Install: P45-2, C1-2, M2-2

451 Install: P45-2, C1-2, M2-2

452 Install: P45-2, C1-2, M2-2

S479 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S480 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S481 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S482 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S483 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S484 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S484a Install: (4) 1/0 ACSR

S485 Install: (3) 795MCM ACSR, 1-477MCM ACSR

Note: TxDOT's ROW shall be determined on the ground and any additional surveys required by TxDOT procured before installation.

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
- PROPOSED POLE
- CHANGE OUT EXISTING POLE
- PROPOSED SELF SUPPORTING POLE
- COSERV LINE
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- REMOVE EXISTING TRANSFORMER
- PROPOSED TRANSFORMER
- EXISTING SECONDARY OR SERVICE
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- PROPOSED GUY LOCATION
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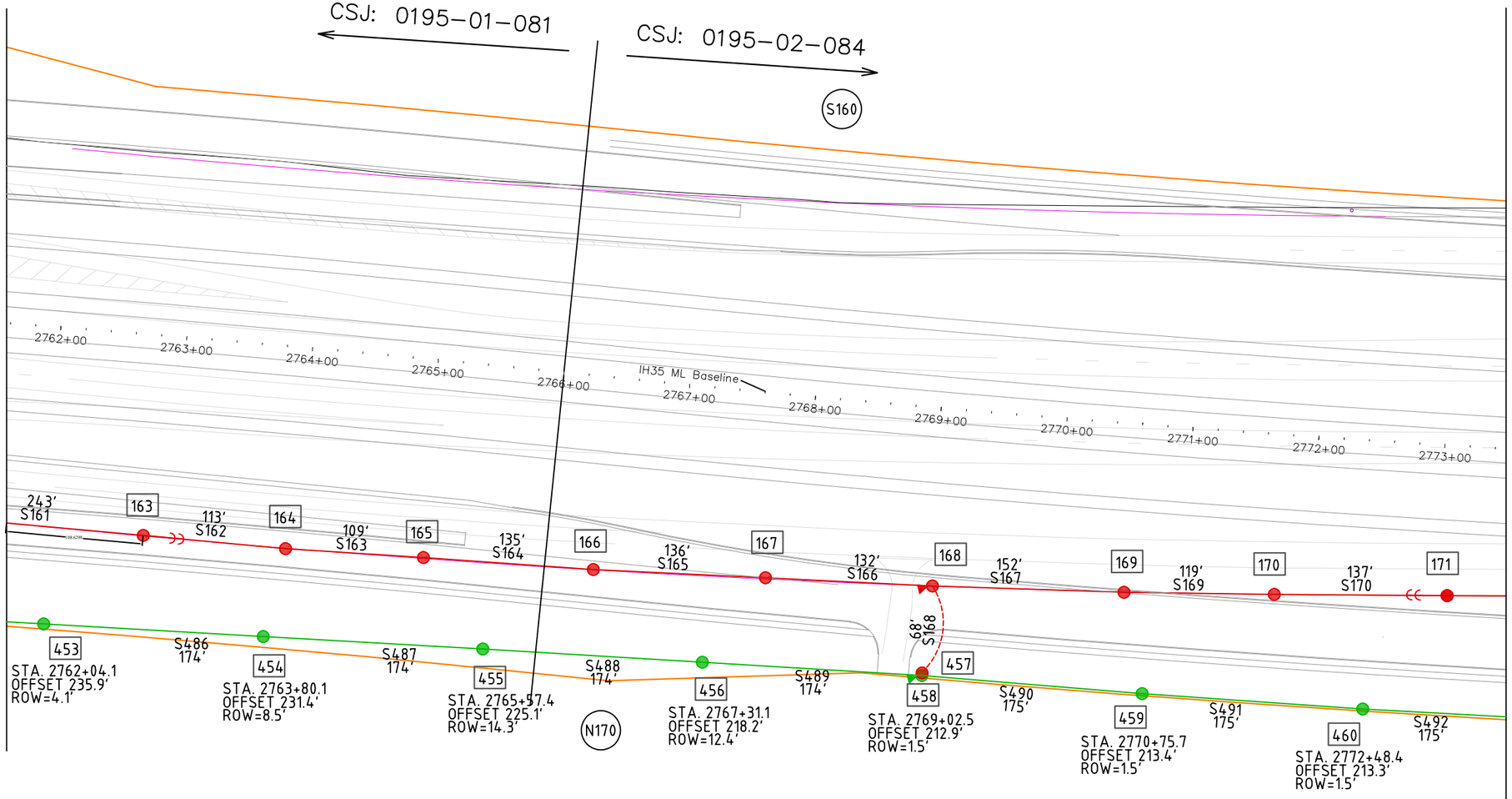
1 : 100	1 / 28 / 23	2000	6 / 5 / 23
DRAWN BY:	CHECKED BY:	SHEET NO.	REV.
LSS	RAS	16 OF 23	5 / 20 / 23



163 Remove: SP40-3, C8, E6-2, E1-2 (2)F1-5

164 Remove: SP45-3, C1-2

165 Remove: SP45-3, C2-2

166 Remove: SP45-3, C2-2

167 Remove: SP45-3, C2-2

168 Remove: SP45-3, C2-2, G9, T10, J10

457 Customer Meter Pole

169 Remove: SP45-3, C2-2

170 Remove: SP45-3, C2-2

171 Remove: SP40-3, C8, E6-2, E1-2 (2)F1-5

S162 Remove: (4) 477MCM ACSR

S163 Remove: (4) 477MCM ACSR

S164 Remove: (4) 477MCM ACSR

S165 Remove: (4) 477MCM ACSR

S166 Remove: (4) 477MCM ACSR

S167 Remove: (4) 477MCM ACSR

S168 Remove: 1/0 TRI

S169 Remove: (4) 477MCM ACSR

S170 Remove: (4) 477MCM ACSR

453 Install: P45-2, C1-2, M2-2

454 Install: P45-2, C1-2, M2-2

455 Install: P45-2, C1-2, M2-2

456 Install: P45-2, C1-2, M2-2

458 Install: P45-2, C1-2, G9, T10, K14, M2-1, M2-2

459 Install: P45-2, C1-2, M2-2

460 Install: P45-2, C1-2, M2-2

S486 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S487 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S488 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S489 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S490 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S491 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S492 Install: (3) 795MCM ACSR, 1-477MCM ACSR

Note: TxDOT's ROW shall be determined on the ground and any additional surveys required by TxDOT procured before installation.

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
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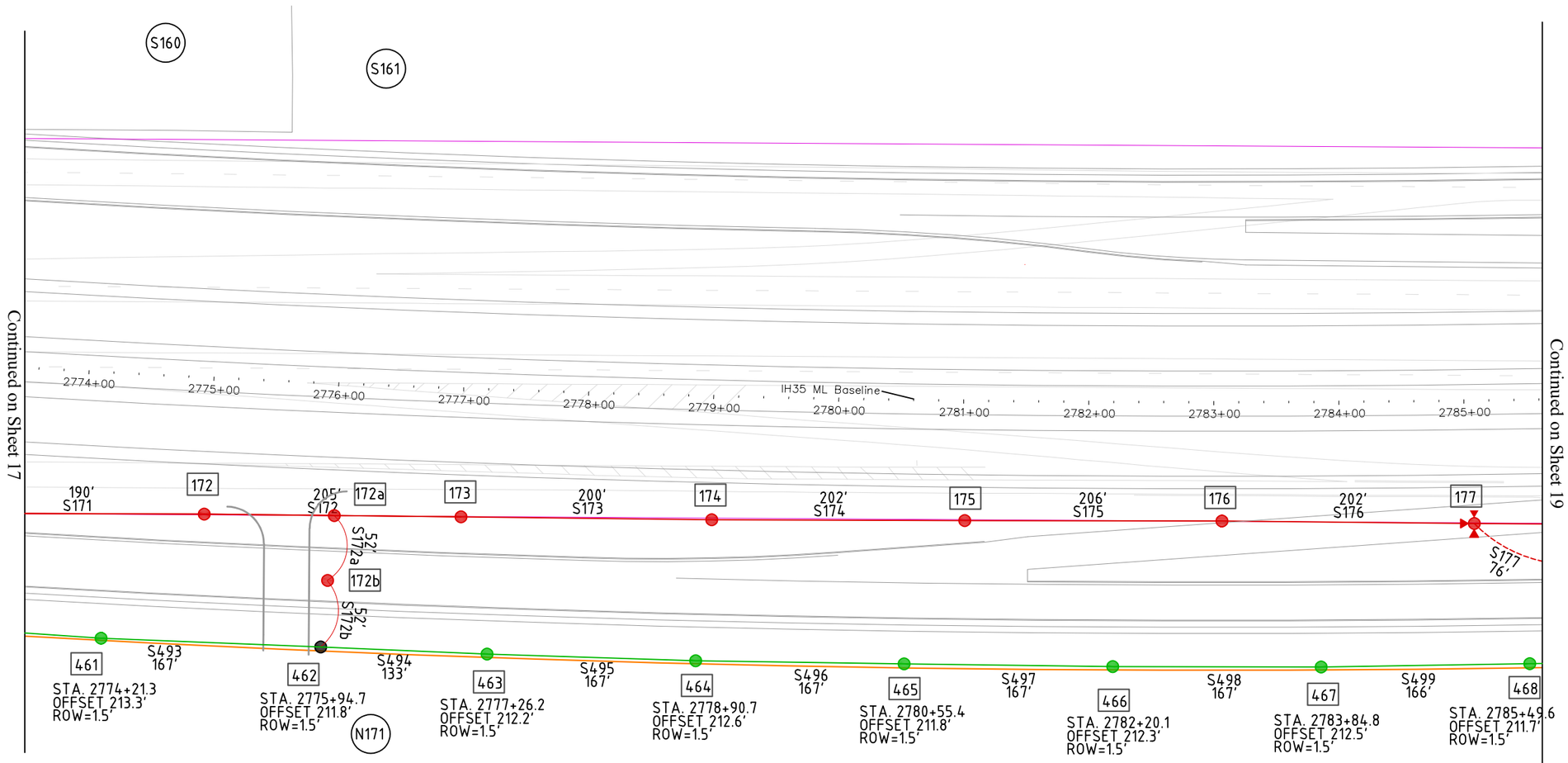
LSS	RAS	17 OF 23	5 / 20 / 23



172 Remove: SP45-3, C1-2

172a Remove: P45-2, C1-2, C7

172b Remove: P40-3, C1

173 Remove: SP40-3, C1-2

174 Remove: SP40-3, C1-2

175 Remove: SP40-3, C1-2

176 Remove: SP40-3, C1-2

177 Remove: SP45-3, C1-2, G310 (3)T25, J10

S171 Remove: (4) 477MCM ACSR

S172 Remove: (4) 477MCM ACSR

S172a Remove: (4) 1/0 ACSR

S172b Remove: (4) 1/0 ACSR

S173 Remove: (4) 477MCM ACSR

S174 Remove: (4) 477MCM ACSR

S175 Remove: (4) 477MCM ACSR

S176 Remove: (4) 477MCM ACSR

S177 Remove: 1/0 QUAD

461 Install: P45-2, C1-2, M2-2

462 Existing: P45-2, C1-2, C7, UP2-3, M2-1, M2-2
Remove: C7

463 Install: P45-2, C1-2, M2-2

464 Install: P45-2, C1-2, M2-2

465 Install: P45-2, C1-2, M2-2

466 Install: P45-2, C1-2, M2-2

467 Install: P45-2, C1-2, M2-2

468 Install: P45-2, C1-2, M2-2

S493 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S494 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S495 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S496 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S497 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S498 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S499 Install: (3) 795MCM ACSR, 1-477MCM ACSR

Note: TxDOT's ROW shall be determined on the ground and any additional surveys required by TxDOT procured before installation.

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
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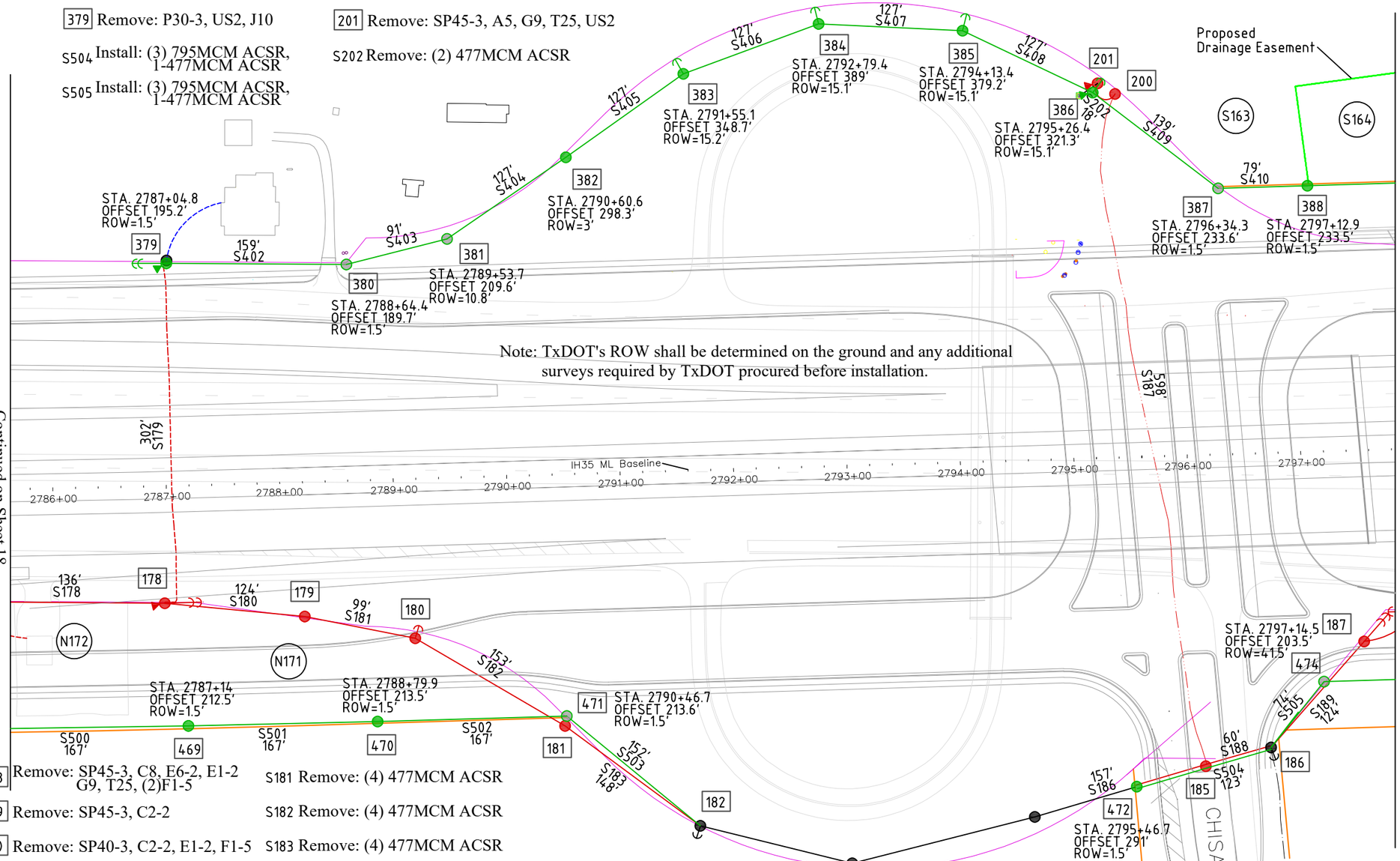
LSS	RAS	18 OF 23	5 / 20 / 23



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178 Remove: SP45-3, C8, E6-2, E1-2 G9, T25, (2)F1-5

179 Remove: SP45-3, C2-2

180 Remove: SP40-3, C2-2, E1-2, F1-5

181 Remove: SP40-3, C2-2, (3)M5-6

185 Remove: SP40-3, C1-2, UP4

186 Remove: SP45-3, C2-2, UP2 E1-2, F1-5

187 Remove: SP40-3, C8, E6-2, (2)F1-5

200 Remove: SP45-3, UP2-3

S178 Remove: (4) 477MCM ACSR

S179 Remove: (3) 1/0 TRIU

S180 Remove: (4) 477MCM ACSR

S181 Remove: (4) 477MCM ACSR

S182 Remove: (4) 477MCM ACSR

S183 Remove: (4) 477MCM ACSR

S186 Remove: (4) 477MCM ACSR

S187 Remove: (3) 1/0 URD

S188 Remove: (4) 477MCM ACSR

S189 Remove: (4) 477MCM ACSR

379 Install: P45-2, C7-1, G9, T25, K14 E6-2, E1-2, (2)F1-5, M2-1, M2-2

380 Install: SSP45, C2-2, M2-2, M2-1

381 Install: SSP45, C2-2, M2-2, M2-1

382 Install: P45-2, C1-2, M2-2

383 Install: P45-2, C2-2, M2-2 E6-2, E1-2, (2)F1-5

384 Install: P45-2, C2-2, M2-2 E6-2, E1-2, (2)F1-5

385 Install: P45-2, C2-2, M2-2 E6-2, E1-2, (2)F1-5

386 Install: P45-2, C2-2, G9, T25, M2-2 E6-2, E1-2, (2)F1-5 US2, M2-1

387 Install: SSP45, (2)C7-1, M2-2, M2-1

388 Install: P45-2, C1-2, M2-2

469 Install: P45-2, C1-2, M2-2

470 Install: P45-2, C1-2, M2-2

471 Install: SSP45, (2)C7-1, M2-2, M2-1

472 Install: P45-2, C1-2, M2-2

474 Install: SSP45, (2)C7-1, M2-2, M2-1

S402 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S403 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S404 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S405 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S406 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S407 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S408 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S409 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S410 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S500 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S501 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S502 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S503 Install: (3) 795MCM ACSR, 1-477MCM ACSR

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
- PROPOSED POLE
- CHANGE OUT EXISTING POLE
- PROPOSED SELF SUPPORTING POLE
- COSERV LINE
- COSERV EXISTING POLE
- COSERV PROPOSED POLE
- EXISTING TRANSFORMER
- REMOVE EXISTING TRANSFORMER
- PROPOSED TRANSFORMER
- EXISTING SECONDARY OR SERVICE
- PROPOSED SECONDARY OR SERVICE
- EXISTING GUY LOCATION
- REMOVE EXISTING GUY
- PROPOSED GUY LOCATION
- ## PARCEL NUMBER

STATE OF TEXAS
ROBERT ALLEN SINGLETARY
57979
LICENSED PROFESSIONAL ENGINEER
6 / 5 / 23

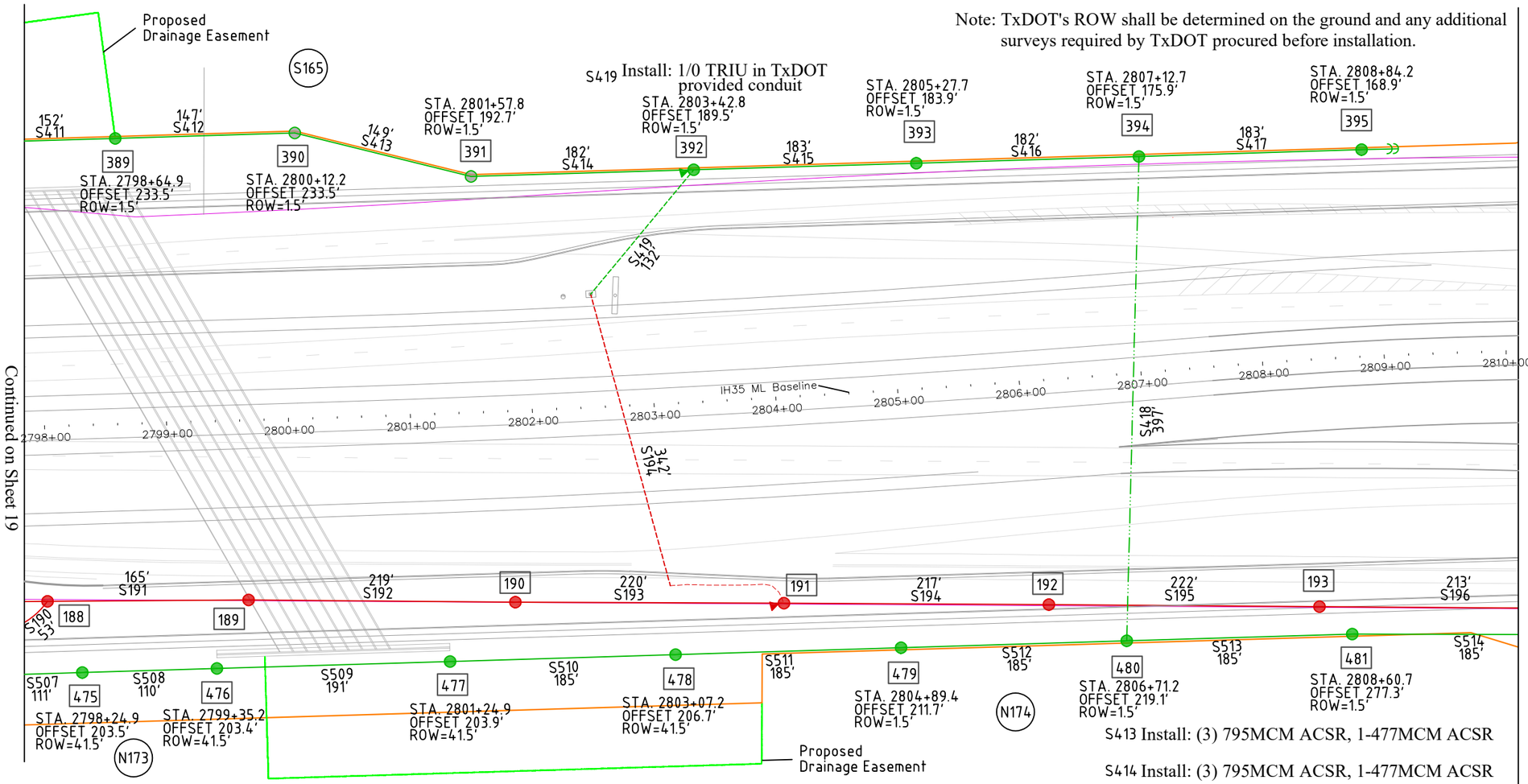
APPROVED FOR CONSTRUCTION

EST. 1886
SANGER
ELECTRIC UTILITIES

IH35 Widening Mandated

Power-D Utility Services

SCALE:	DATE:	DWG NO.	APPROVED.
1 : 100	1 / 28 / 23	2000	6 / 5 / 23
DRAWN BY:	CHECKED BY:	SHEET NO.	REV.
LSS	RAS	19 OF 23	



188 Remove: P30-3, (2)C7, E1-2, F1-2

189 Remove: P30-3, C1

190 Remove: P30-3, C1

191 Remove: P30-3, C1, G9, T5, US2

192 Remove: P30-3, C1

193 Remove: P30-3, C1

S190 Remove: (3) #2 ACSR

S191 Remove: (3) #2 ACSR

S192 Remove: (3) #2 ACSR

S193 Remove: (3) #2 ACSR

S194 Remove: 1/0 TRIU

S195 Remove: (3) #2 ACSR

S196 Remove: (3) #2 ACSR

389 Install: P45-2, C1-2, M2-2

390 Install: SSP45, C2-2, M2-2, M2-1

391 Install: SSP45, C2-2, M2-2, M2-1

392 Install: P45-2, C1-2, G9, T25, M2-2 US2, M2-1

393 Install: P45-2, C1-2, M2-2

394 Install: P45-2, C1-2, UP6B, M2-2

395 Install: P45-2, C7-1, M2-2, M2-1 E6-2, E1-2, (2)F1-5

475 Install: P45-2, C1-2, M2-2

476 Install: P45-2, C1-2, M2-2

477 Install: P45-2, C1-2, M2-2

478 Install: P45-2, C1-2, M2-2

479 Install: P45-2, C1-2, M2-2

480 Install: P45-2, C1-2, UP6B, M2-2, M2-1

481 Install: P45-2, C1-2, M2-2

S411 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S412 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S413 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S414 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S415 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S416 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S417 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S418 Install: (6) 750MCM AL URD in 6" HDPE with (2)8" Directional Bores

S507 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S508 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S509 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S510 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S511 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S512 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S513 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S514 Install: (3) 795MCM ACSR, 1-477MCM ACSR

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
- PROPOSED POLE
- CHANGE OUT EXISTING POLE
- PROPOSED SELF SUPPORTING POLE
- COSERV LINE
- COSERV EXISTING POLE
- COSERV PROPOSED POLE
- EXISTING TRANSFORMER
- REMOVE EXISTING TRANSFORMER
- PROPOSED TRANSFORMER
- EXISTING SECONDARY OR SERVICE
- PROPOSED SECONDARY OR SERVICE
- EXISTING GUY LOCATION
- REMOVE EXISTING GUY
- PROPOSED GUY LOCATION
- ## PARCEL NUMBER

STATE OF TEXAS
ROBERT ALLEN SINGLETARY
57979
LICENSED PROFESSIONAL ENGINEER
6 / 5 / 23

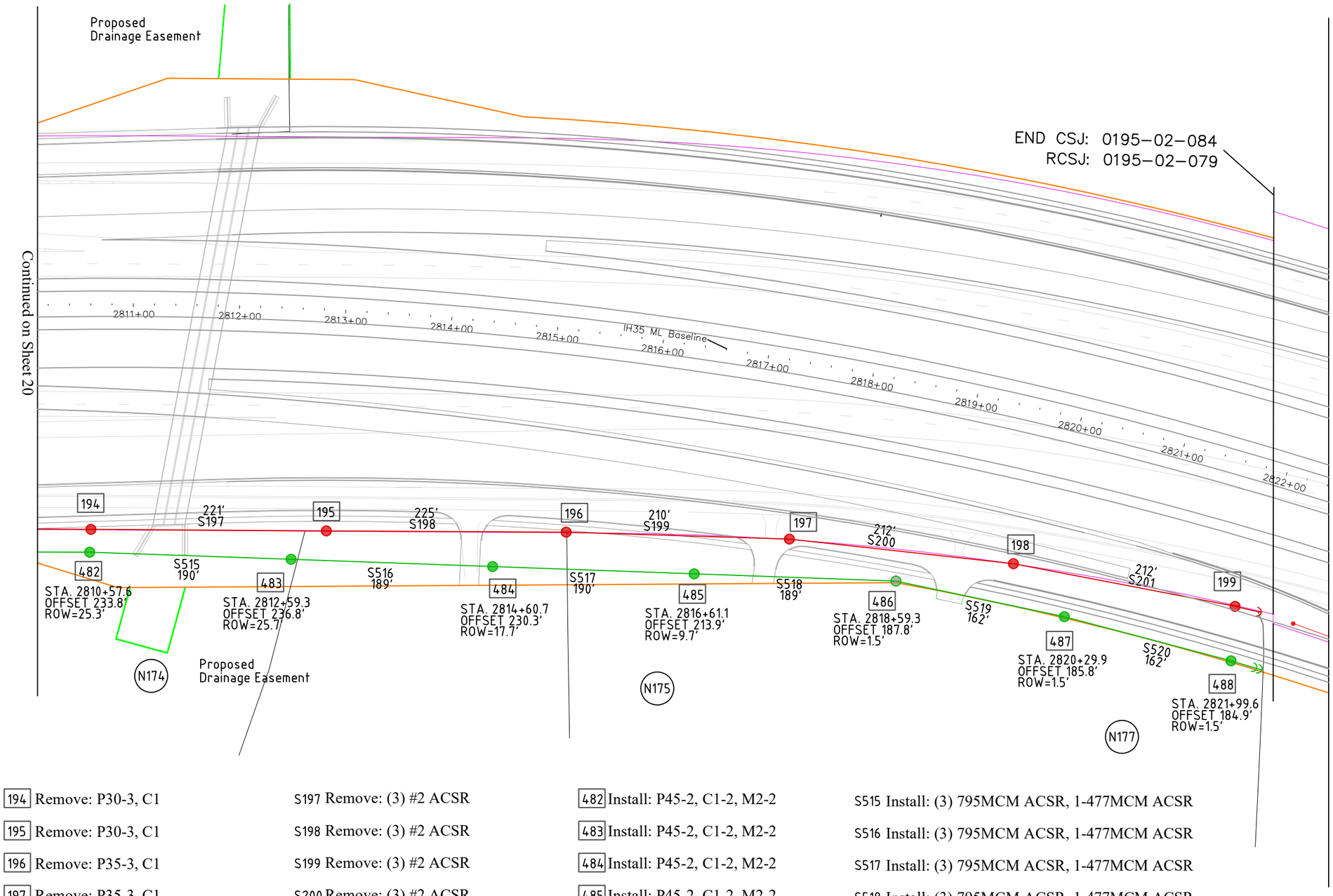
APPROVED FOR CONSTRUCTION

SANGER ELECTRIC UTILITIES EST. 1886

IH35 Widening Mandated

Power-D Utility Services

SCALE:	DATE:	DWG NO.	APPROVED.
1 : 100	1 / 28 / 23	2000	6 / 5 / 23
DRAWN BY:	CHECKED BY:	SHEET NO.	REV.
LSS	RAS	20 OF 23	



194 Remove: P30-3, C1

195 Remove: P30-3, C1

196 Remove: P35-3, C1

197 Remove: P35-3, C1

198 Remove: P35-3, C1

199 Remove: P35-3, C7, E1-2, F1-2

S197 Remove: (3) #2 ACSR

S198 Remove: (3) #2 ACSR

S199 Remove: (3) #2 ACSR

S200 Remove: (3) #2 ACSR

S201 Remove: (3) #2 ACSR

482 Install: P45-2, C1-2, M2-2

483 Install: P45-2, C1-2, M2-2

484 Install: P45-2, C1-2, M2-2

485 Install: P45-2, C1-2, M2-2

486 Install: SSP45, C2-2, M2-2, M2-1

487 Install: P45-2, C1-2, M2-2

488 Install: P45-2, C7-1, M2-2
E6-2, E1-2, (2)F1-5

S515 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S516 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S517 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S518 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S519 Install: (3) 795MCM ACSR, 1-477MCM ACSR

S520 Install: (3) 795MCM ACSR, 1-477MCM ACSR

Note: TxDOT's ROW shall be determined on the ground and any additional surveys required by TxDOT procured before installation.

0 50' 100'

N

LEGEND

- EXISTING ELECTRIC LINE
- PROPOSED ELECTRIC LINE
- REMOVE EXISTING LINE
- PROPOSED RIGHT-OF-WAY
- EXISTING RIGHT-OF-WAY
- EXISTING POLE
- REMOVE EXISTING POLE
- PROPOSED POLE
- CHANGE OUT EXISTING POLE
- PROPOSED SELF SUPPORTING POLE
- COSERV LINE
- COSERV EXISTING POLE
- COSERV PROPOSED POLE
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- PROPOSED TRANSFORMER
- EXISTING SECONDARY OR SERVICE
- PROPOSED SECONDARY OR SERVICE
- EXISTING GUY LOCATION
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- PROPOSED GUY LOCATION
- ## PARCEL NUMBER

STATE OF TEXAS
ROBERT ALLEN SINGLETARY
57979
LICENSED
PROFESSIONAL ENGINEER
6 / 5 / 23

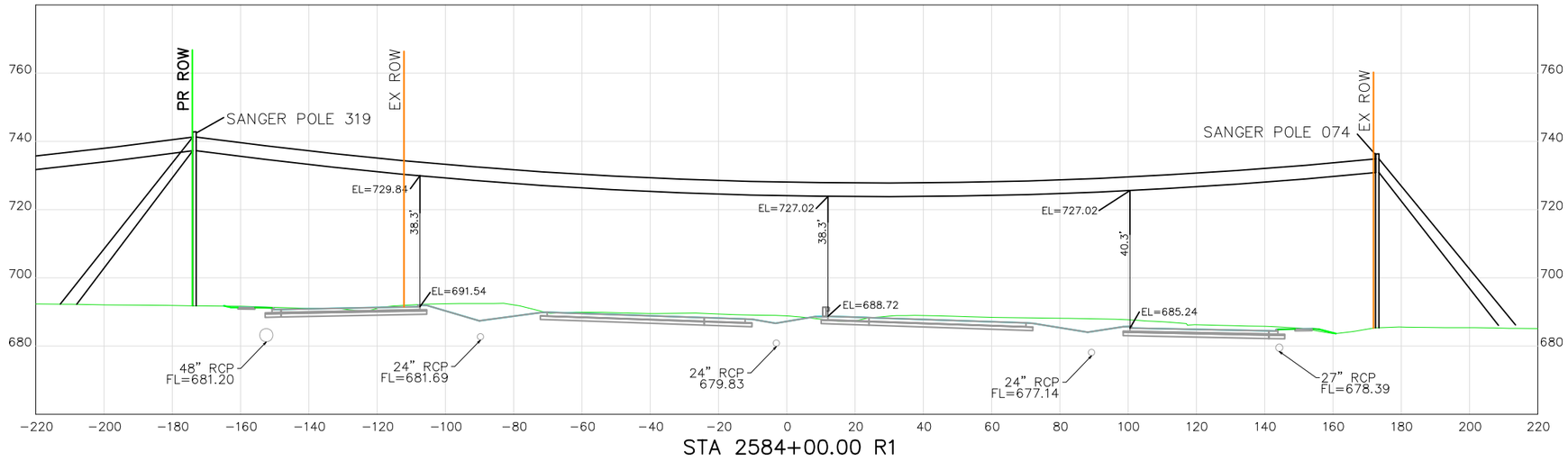
APPROVED
FOR CONSTRUCTION

EST. 1886
SANGER
ELECTRIC UTILITIES

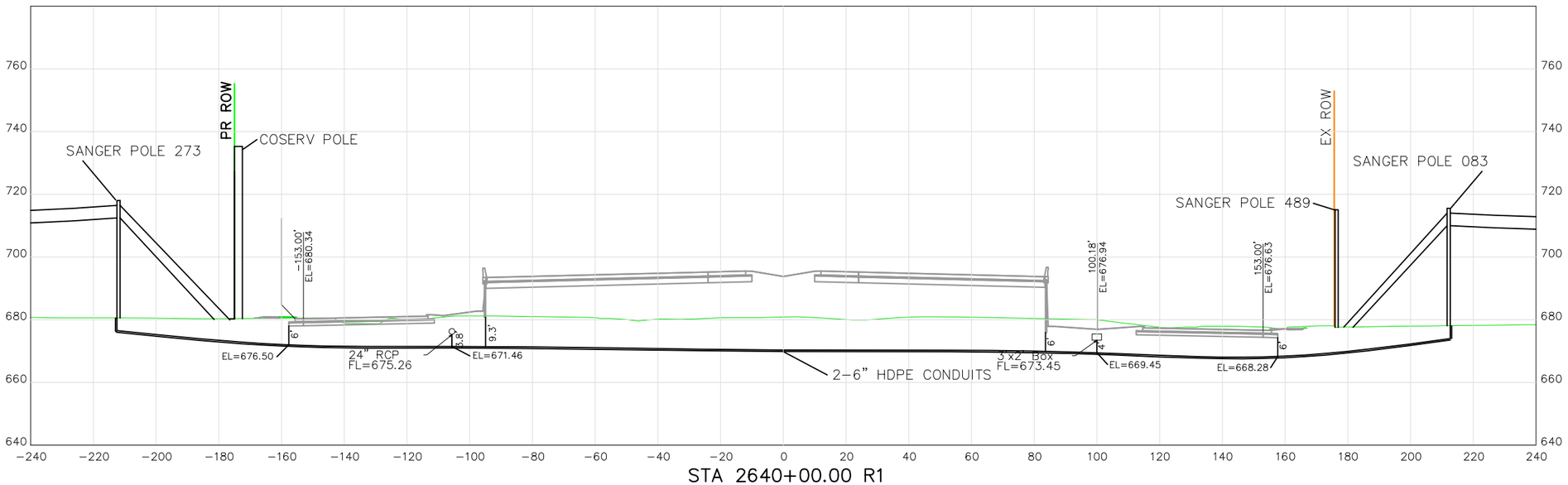
IH35 Widening Mandated

Power-D Utility Services

SCALE:	DATE:	DWG NO.	APPROVED.
1 : 100	1 / 28 / 23	2000	6 / 5 / 23
DRAWN BY:	CHECKED BY:	SHEET NO.	REV.
LSS	RAS	21 OF 23	



STA 2584+00.00 R1



STA 2640+00.00 R1

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STATE OF TEXAS
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6 / 5 / 23

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FOR CONSTRUCTION

EST. 1886
SANGER
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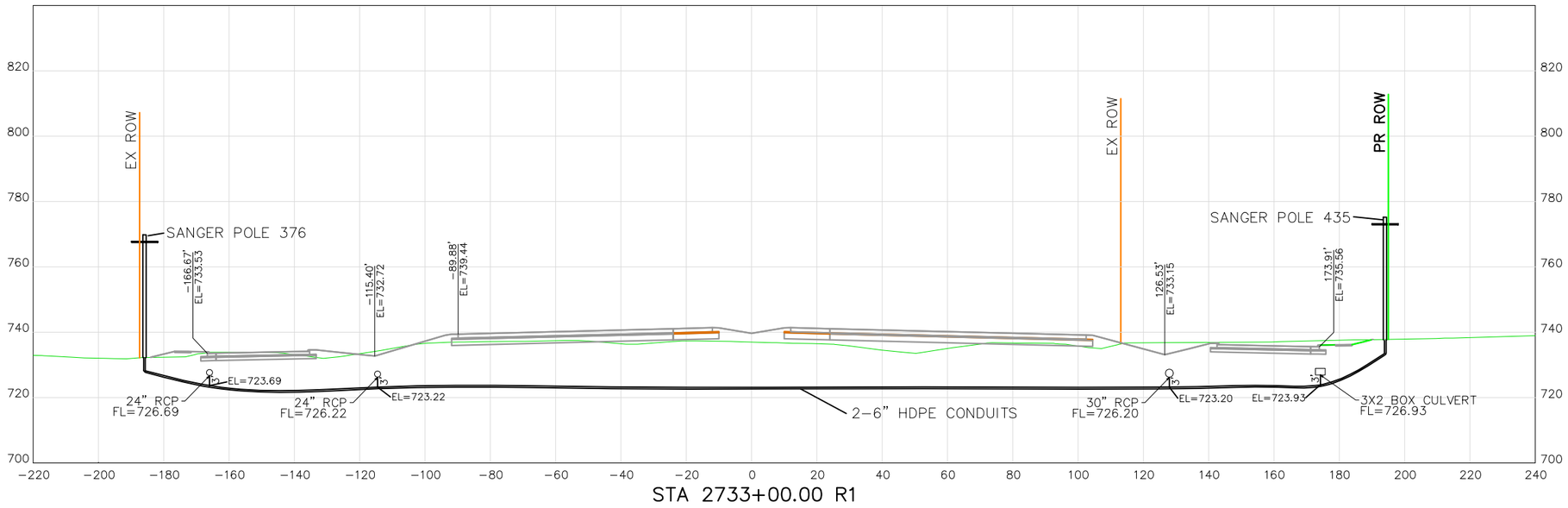
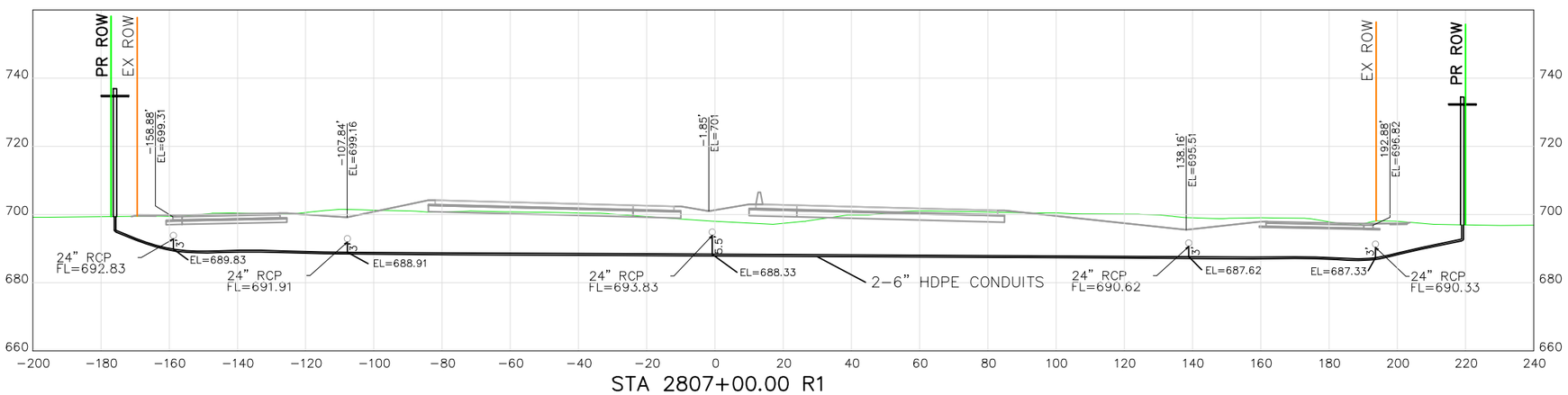
IH35 Widening Mandated

Power-D Utility Services

SCALE:	DATE:	DWG NO.	APPROVED.
NONE	3 / 17 / 23	2000	6 / 5 / 23
DRAWN BY:	**CHECKED BY:**	**SHEET NO.**	**REV.**
LSS	RAS	22 OF 23	



STA 2733+00.00 R1



STA 2807+00.00 R1

Note: TxDOT's ROW shall be determined on the ground and any additional surveys required by TxDOT procured before installation.

STATE OF TEXAS
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6 / 5 / 23

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EST. 1886
SANGER
ELECTRIC UTILITIES

IH35 Widening Mandated

Power-D Utility Services

SCALE:	DATE:	DWG NO.	APPROVED.
NONE	3 / 17 / 23	2000	6 / 5 / 23
DRAWN BY:	**CHECKED BY:**	**SHEET NO.**	**REV.**
LSS	RAS	23 OF 23	

CITY OF SANGER ELECTRIC

Cost Estimate

IH35 Project

STA 2542+20 – STA 2822+00

Labor

Contract Construction Labor & Equipment ---------- $1,621,117.00

Contractor Provided ROW Marking ---------- $ 32,000.00

Material

In-Kind Replacement Materials ---------- $1,612,029.98

* There are Buy American Required Materials on this Project

Salvaged Material ---------- ($23,610.77)

Professional Services

Design, Engineering, Staking & Support ---------- $78,050.00

Project Management/Oversight

City of Sanger Electric Personnel ---------- $14,800.00

Total Estimated Cost ---------- $3,334386.21

IH35 REIMBURSABLE POINT UNIT REMOVALS					
CONST UNIT	DESCRIPTION	UNIT	LABOR PRICE	QTY	TOTAL PRICE
A1	SINGLE PHASE TANGENT	ea.	$ 79.01	2	$ 158.02
A1 Slack	SINGLE PHASE SLACK TAKEOFF	ea.	$ 123.13	3	$ 369.39
A5	SINGLE PHASE DEADEND	ea.	$ 115.26	6	$ 691.56
C1	3 PHASE TANGENT SM	ea.	$ 189.19	12	$ 2,270.28
C1-1	3 PHASE DBL SUPPORT SM	ea.	$ 228.40	1	$ 228.40
C1-2	3 PHASE TANGENT LG	ea.	$ 206.95	67	$ 13,865.65
C1 Slack	3 PHASE SLACK TAKEOFF	ea.	$ 241.61	3	$ 724.83
C2-2	3 PHASE DBL SUPPORT LG	ea.	$ 271.58	20	$ 5,431.60
C5-1	3 PHASE VERT DEADEND LG	ea.	$ 313.10	10	$ 3,131.00
C20-2	3 PHASE FLAT DBL SUPPORT LG	ea.	$ 243.82	6	$ 1,462.92
C7	3 PHASE DEADEND SM	ea.	$ 338.42	8	$ 2,707.36
C7-1	3 PHASE DEADEND LG	ea.	$ 338.42	12	$ 4,061.04
C8	3 PHASE DBL DEADEND W/JUMPERS	ea.	$ 620.09	14	$ 8,681.26
C8-1	3 PHASE DBL DEADEND WO/JUMPERS	ea.	$ 620.09	3	$ 1,860.27
C10-2	3 PHASE FLAT SINGLE SUPPORT LG	ea.	$ 181.26	1	$ 181.26
CF1-2V	3 PHASE VERTICAL FBRGLASS SUPPORT	ea.	$ 232.19	15	$ 3,482.85
G9	SINGLE PHASE XFMR FRAMING	ea.	$ 414.68	13	$ 5,390.84
G310	3 PHASE 120/240 XFMR BANK FRAMING	ea.	$ 1,278.24	2	$ 2,556.48
E1-2	SINGLE DOWN GUY	ea.	$ 145.80	32	$ 4,665.60
E6-2	DBL DOWN GUY	ea.	$ 263.02	30	$ 7,890.60
F1-2	SINGLE HELIX ANCHOR	ea.	$ 158.30	15	$ 2,374.50
F1-5	MULTI HELIX/TOUGH ONE ANCHOR	ea.	$ 168.08	48	$ 8,067.84
J10	SECONDARY CLEVIS	ea.	$ 35.92	26	$ 933.92
K14	J-HOOK	ea.	$ 36.35	2	$ 72.70
M5-6	ARRESTER	ea.	$ 79.40	3	$ 238.20
M5-10	CUTOUT	ea.	$ 120.86	11	$ 1,329.46
M3-15	GANG OPEREATED SWITCH	ea.	$ 1,971.58	2	$ 3,943.16
M5-5	INSULATOR & PIN	ea.	$ 35.59	6	$ 213.54
MOS	MOTOR OPEREATED SWITCH	ea.	$ 1,971.58	2	$ 3,943.16
P30-3	WOOD POLE 30FT CLASS 3	ea.	$ 463.78	14	$ 6,492.92
P35-3	WOOD POLE 35FT CLASS 3	ea.	$ 463.78	4	$ 1,855.12
P40-3	WOOD POLE 40FT CLASS 3	ea.	$ 500.99	10	$ 5,009.90
P45-2	WOOD POLE 45FT CLASS 2	ea.	$ 563.62	6	$ 3,381.72
SP40-3	STEEL POLE 40FT CLASS 3	ea.	$ 662.15	35	$ 23,175.25
SP45-3	STEEL POLE 45FT CLASS 3	ea.	$ 662.15	81	$ 53,634.15
SP50-3	STEEL POLE 50FT CLASS 3	ea.	$ 723.84	2	$ 1,447.68
SP55-2	STEEL POLE 55FT CLASS 2	ea.	$ 832.42	2	$ 1,664.84
SP55-3	STEEL POLE 55FT CLASS 3	ea.	$ 832.42	2	$ 1,664.84
PRI MTR	3 PHASE PRIMARY METER	ea.	$ 1,401.47	1	$ 1,401.47
M9-13	CAP BANK W/CONTROLER	ea.	$ 1,401.47	2	$ 2,802.94

IH35 REIMBURSABLE POINT UNIT REMOVALS (CONT)					
CONST UNIT	DESCRIPTION	UNIT	LABOR PRICE	QTY	TOTAL PRICE
ST/L	STREET LIGHT	ea.	$ 188.52	5	$ 942.60
S/L	SECURITY LIGHT	ea.	$ 188.52	12	$ 2,262.24
SEC RISER	SECONDARY RISER SM	ea.	$ 250.75	2	$ 501.50
T1.5	XFMR 1.5kVA	ea.	$ 414.68	2	$ 829.36
T5	XFMR 5kVA	ea.	$ 414.68	4	$ 1,658.72
T10	XFMR 10kVA	ea.	$ 414.68	2	$ 829.36
T15	XFMR 15kVA	ea.	$ 414.68	4	$ 1,658.72
T25	XFMR 25kVA	ea.	$ 414.68	6	$ 2,488.08
US2	SECONDARY RISER 2"	ea.	$ 250.75	5	$ 1,253.75
UP2	SINGLE PHASE PRIMARY RISER 2"	ea.	$ 500.39	1	$ 500.39
UP2-3	3 PHASE PRIMARY RISER 3-2"	ea.	$ 1,114.10	1	$ 1,114.10
UP4	3 PHASE PRIMARY RISER 4"	ea.	$ 927.97	5	$ 4,639.85
UPED	SECONDARY PEDESTAL	ea.	$ 122.00	1	$ 122.00

IH35 REIMBURSABLE SPAN UNIT REMOVALS					
CONST UNIT	DESCRIPTION	SPAN UNIT	LABOR PRICE/ft	QTY	TOTAL PRICE
4ACSR	#4ACSR OH CONDUCTOR	ft	$ 0.71	1212	$ 860.52
2ACSR	#2ACSR OH CONDUCTOR	ft	$ 0.80	8428	$ 6,742.40
1/0ACSR	1/0ACSR OH CONDUCTOR	ft	$ 0.92	340	$ 312.80
477ACSR	477ACSR OH CONDUCTOR	ft	$ 1.67	90676	$ 151,428.92
6DUP	#6 DUPLEX OH CONDUCTOR	ft	$ 1.06	386	$ 409.16
2DUP	#2 DUPLEX OH CONDUCTOR	ft	$ 0.96	814	$ 781.44
2TRI	#2 TRIPLEX OH CONDUCTOR	ft	$ 1.43	186	$ 265.98
1/0TRI	1/0 TRIPLEX OH CONDUCTOR	ft	$ 1.45	1005	$ 1,457.25
1/0TRIU	1/0 TRIPLEX UG CONDUTOR	ft	$ 1.76	596	$ 1,048.96
1/0QUAD	1/0 QUADRAPLEX OH CONDUCTOR	ft	$ 1.73	103	$ 178.19
1/0URD	1/0 URD UG CABLE	ft	$ 2.70	2744	$ 7,408.80
4PVC	4" PVC IN GROUND	ft	$ 9.01	185	$ 1,666.85
TOTAL					$ 384,820.46

IH35 REIMBURSABLE POINT UNIT INSTALLS							
CONST UNIT	DESCRIPTION	UNIT	MATERIAL PRICE	LABOR PRICE	TOTAL UNIT PRICE	QTY	TOTAL PRICE
P35-3	WOOD POLE 35FT CLASS 3	ea.	$ 825.00	$ 610.00	$ 1,435.00	1	$ 1,435.00
P40-3	WOOD POLE 40FT CLASS 3	ea.	$ 948.00	$ 681.35	$ 1,629.35	5	$ 8,146.75
SSP45	SELF SUPPORTING POLE 45' EQ *	ea.	$ 2,630.00	$ 6,833.30	$ 9,463.30	25	$ 236,582.50
P45-2	WOOD POLE 45FT CLASS 2	ea.	$ 990.00	$ 772.96	$ 1,762.96	145	$ 255,629.20
P60-H1	WOOD POLE 60FT CLASS H1	ea.	$ 3,177.00	$ 1,139.10	$ 4,316.10	2	$ 8,632.20
A1-Slack	SINGLE PHASE SLACK TAKEOFF	ea.	$ 386.36	$ 202.09	$ 588.45	3	$ 1,765.35
A5	SINGLE PHASE DEADEND	ea.	$ 172.00	$ 189.16	$ 361.16	1	$ 361.16
C1	3 PHASE TANGENT SM	ea.	$ 242.90	$ 276.31	$ 519.21	1	$ 519.21
C1-2	3 PHASE TANGENT LG	ea.	$ 269.70	$ 286.13	$ 555.83	128	$ 71,146.24
C1-Slack	3 PHASE SLACK TAKEOFF	ea.	$ 623.28	$ 390.89	$ 1,014.17	4	$ 4,056.68
C2-2	3 PHASE DBL SUPPORT LG	ea.	$ 359.76	$ 459.68	$ 819.44	19	$ 15,569.36
C4-1	3 PHASE VERTICAL 30-60	ea.	$ 744.16	$ 823.68	$ 1,567.84	4	$ 6,271.36
C7	3 PHASE DEADEND SM	ea.	$ 686.00	$ 519.28	$ 1,205.28	5	$ 6,026.40
C7-1	3 PHASE DEADEND LG	ea.	$ 730.00	$ 519.28	$ 1,249.28	25	$ 31,232.00
C8	3 PH DBL DEADEND W/JUMPERS	ea.	$ 1,316.62	$ 925.84	$ 2,242.46	5	$ 11,212.30
C10-2	3 PHASE FLAT SINGLE SUPPORT LG	ea.	$ 302.92	$ 256.42	$ 559.34	1	$ 559.34
C20-2	3 PHASE FLAT DBL SUPPORT LG	ea.	$ 416.72	$ 387.76	$ 804.48	1	$ 804.48
E1-2	SINGLE DOWN GUY	ea.	$ 89.00	$ 214.56	$ 303.56	20	$ 6,071.20
E6-2	DBL DOWN GUY	ea.	$ 147.50	$ 405.28	$ 552.78	20	$ 11,055.60
F1-2	SINGLE HELIX ANCHOR	ea.	$ 37.75	$ 273.62	$ 311.37	2	$ 622.74
F1-5	MULTI HELIX/TOUGH ONE ANCHOR	ea.	$ 88.00	$ 281.44	$ 369.44	38	$ 14,038.72
G9	SINGLE PHASE XFMR FRAMING	ea.	$ 350.00	$ 585.14	$ 935.14	8	$ 7,481.12
K14	J-HOOK	ea.	$ 4.33	$ 55.38	$ 59.71	19	$ 1,134.49
M2-1	GALV 8' GROUND ROD	ea.	$ 17.44	$ 39.58	$ 57.02	42	$ 2,394.84
M2-2	POLE GROUND W/BUTT PLATE	ea.	$ 11.06	$ 107.32	$ 118.38	177	$ 20,953.26
M5-10	CUTOUT	ea.	$ 108.95	$ 189.37	$ 298.32	19	$ 5,668.08
M9-13	CAP BANK W/CONTROLER	ea.	$ 18,100.00	$ 2,524.51	$ 20,624.51	3	$ 61,873.53
S/L	SECURITY LIGHT	ea.	$ 150.00	$ 253.63	$ 403.63	9	$ 3,632.67
ST/L	STREET LIGHT	ea.	$ 275.00	$ 253.63	$ 528.63	1	$ 528.63
T1.5	XFMR 1.5kVA	ea.	$ 770.00	$ 515.14	$ 1,285.14	1	$ 1,285.14
T10	XFMR 10kVA	ea.	$ 2,280.00	$ 585.14	$ 2,865.14	1	$ 2,865.14
T25	XFMR 25kVA	ea.	$ 3,800.00	$ 585.14	$ 4,385.14	6	$ 26,310.84
UP6B	3 PHASE PRIMARY RISER 2-6"	ea.	$ 2,868.00	$ 4,165.93	$ 7,033.93	6	$ 42,203.58
UP4	3 PHASE PRIMARY RISER 4"	ea.	$ 1,661.00	$ 2,030.45	$ 3,691.45	1	$ 3,691.45
UP2-3	3 PHASE PRIMARY RISER 3-2"	ea,	$ 2,316.00	$ 2,211.11	$ 4,527.11	1	$ 4,527.11
UPED	SECONDARY PEDESTAL	ea.	$ 890.00	$ 192.00	$ 1,082.00	1	$ 1,082.00
US2	SECONDARY RISER 2"	ea.	$ 1,356.00	$ 592.60	$ 1,948.60	3	$ 5,845.80
XFRCAB	600A AUTO TRANSFER PM CABINET	ea.	$ 92,111.00	$ 3,836.92	$ 95,947.92	1	$ 95,947.92
MTRCAB	200A PRIMARY MTR CABINET	ea.	$ 31,847.00	$ 2,027.54	$ 33,874.54	1	$ 33,874.54

***Indicated items are being tracked for BUY AMERICA COMPLIANCE and will be documented using Form 1818 and all supporting documentation prior to installation**.

IH35 REIMBURSABLE SPAN UNIT INSTALLS							
CONST UNIT	DESCRIPTION	UNIT	MATERIAL PRICE	LABOR PRICE	TOTAL UNIT PRICE	QTY	TOTAL PRICE
795ACSR	795ACSR OH CONDUCTOR	ft	$ 6.99	$ 2.70	$ 9.69	83178	$ 805,994.82
477ACSR	477ACSR OH CONDUCTOR	ft	$ 6.50	$ 2.51	$ 9.01	27726	$ 249,811.26
2ACSR	#2ACSR OH CONDUCTOR	ft	$ 1.01	$ 1.10	$ 2.11	782	$ 1,650.02
4ACSR	#4ACSR OH CONDUCTOR	ft	$ 0.62	$ 1.01	$ 1.63	82	$ 133.66
1/0ACSR	1/0ACSR OH CONDUCTOR	ft	$ 1.39	$ 1.30	$ 2.69	424	$ 1,140.56
1/0TRI	1/0 TRIPLEX OH CONDUCTOR	ft	$ 3.54	$ 2.02	$ 5.56	305	$ 1,695.80
1/0TRIU	1/0 TRIPLEX UG CONDUTOR	ft	$ 3.16	$ 1.39	$ 4.55	5	$ 22.75
6DUP	#6 DUPLEX OH CONDUCTOR	ft	$ 1.05	$ 1.58	$ 2.63	352	$ 925.76
750URD	750MCM URD UG CABLE	ft	$ 33.40	$ 13.07	$ 46.47	7218	$ 335,420.46
6DBORE	DIRECTIONAL BORE W/6" HDPE	ft	$ 25.00	$ 157.25	$ 182.25	2406	$ 438,493.50
	TOTAL MATERIAL						$ 1,612,029.98
	TOTAL LABOR						$ 1,236,296.54
TOTAL							$ 2,848,326.52

IH35 REIMBURSABLE MISC UNIT INSTALLS					
UNIT	DESCRIPTION	SPAN UNIT	LABOR PRICE/hr	QTY	TOTAL PRICE
SURVEYOR	FIELD SURVEYOR TO MARK ROW	hr	$ 400.00	80	$ 32,000.00

POWER-D UTILITY SERVICES, LLC.

Estimated Level of Effort

IH35 Project

STA 2542+20 – STA 2822+00

Professional Services

Design, Engineering & Support

Senior Engineer: 100 hrs @ $200/hr ---------- $20,000.00
Designer: 300 hrs @ $76.67/hr ---------- $23,000.00

Utility Agreement

Senior Engineer: 26.25 hrs @ $200/hr ---------- $5,250.00

Bid Specification, Opening & Council Meeting

Senior Engineer: 9 hrs @ $200/hr ---------- $5,250.00

Staking Services

2-Man Staking Crew: 40 hrs @ $150/hr ---------- $6,000.00

Construction Phase Services

Senior Engineer: 75.25 hrs @ $200/hr ---------- $15,050.00

Post Construction Services

Senior Engineer: 17.5 hrs @ $200/hr ---------- $3,500.00

Total Cost of Services Not to Exceed ---------- $78,050.00

THE CITY OF SANGER ELECTRIC DEPARTMENT

Project/Construction Management Estimated Level of Effort

IH35 Project

STA 2542+20 – STA 2822+00

Project/Construction Management

Personnel

Utility Director: 128 hrs @ $50.00/hr ---------- $6,400.00
Electric Superintendent: 114 hrs @ $42.10/hr ---------- $4,800.00
Administration: 41 hrs @ $40.23/hr ---------- $3,600.00

Total Estimated Cost of Services Not to Exceed ---------- $14,800.00

Attachment “B”
Accounting Method

☒ **Actual Cost Method of Accounting**

The utility accumulates cost under a work order accounting procedure prescribed by the Federal or State regulatory body and proposes to request reimbursement for actual direct and related indirect costs.

☐ **Lump Sum Method of Accounting**

Utility proposed to request reimbursement based on an agreed lump sum amount supported by a detailed cost analysis.

Attachment “C”
Schedule of Work

Estimated Start Date: 9/1/2023, (subject to physical work restrictions prior to the issuance of environmental clearance as required by the provisions of this agreement)

Estimated Duration (days): 240

Estimated Completion Date: 4/30/2024

Attachment "D"
Statement Covering Contract Work

(ROW–U–48)
(ROW–U–48–1, if applicable)

Construction Contract:

☐ Utility performing with their own forces (timesheets will be required at the time of billing).

☒ Utility will use outside forces to perform the adjustment, complete attached ROW-U-48 or ROW-U-48-1 (joint bid).

Engineering Contract:

☐ Utility performing with their own forces (timesheets will be required at the time of billing).

☒ Utility will use consultant contract (continuing contract rate sheets or fee schedule will be required).

☐ TxDOT will procure utility consultant.

STATEMENT COVERING UTILITY CONSTRUCTION CONTRACT WORK
(AS APPEARING IN ESTIMATE)

U-Number: N/A

Utility ID: U00017757

ROW CSJ Number: 195-02-079

District: Dallas

County: Denton

Highway No.: IH35

Federal Project No.: NH 2020(576)

I, John C. Noblitt, a duly authorized and qualified representative of The City of Sanger Electric, hereinafter referred to as **Owner**, am fully cognizant of the facts and make the following statements in respect to work which will or may be done on a contract basis as it appears in the estimate to which this statement is attached.

It is more economical and/or expedient for **Owner** to contract this adjustment, or **Owner** is not adequately staffed or equipped to perform the necessary work on this project with its own forces to the extent as indicated on the estimate.

Procedure to be Used in Contracting Work

☒ A. Solicitation for bids is to be accomplished through open advertising and contract is to be awarded to the lowest qualified bidder who submits a proposal in conformity with the requirements and specifications for the work to be performed. Associated bid tabulations will be provided to the **State**.

☐ B. Solicitation for bids is to be accomplished by circulating to a list of pre-qualified contractors or known qualified contractors and such contract is to be awarded to the lowest qualified bidder who submits a proposal in conformity with the requirements and specifications for the work to be performed. Associated bid tabulations will be provided to the **State**. Such presently known contractors are listed below:

1.
2.
3.
4.
5.

☐ C. The work is to be performed under an existing continuing contract under which certain work is regularly performed for **Owner** and under which the lowest available costs are developed. The existing continuing contract will be made available to the **State** for review at a location mutually acceptable to the **Owner** and the **State**. If only part of the contract work is to be done under an existing contract, give detailed information by attachment hereto.

☐ D. The utility proposes to contract outside the foregoing requirements and therefore evidence in support of its proposal is attached to the estimate in order to obtain the concurrence of the **State**, and the Federal Highway Administration Division Engineer where applicable, prior to taking action thereon (approval of the agreement shall be considered as approval of such proposal).

☐ E. The utility plans and specifications, with the consent of the **State**, will be included in the construction contract awarded by the **State**. In the best interest of both the **State** and the **Owner**, the **Owner** requests the **State** to include the plans and specifications for this work in the general contract for construction of Highway _____ in this area, so that the work can be coordinated with the other construction operations; and the construction contract is to be awarded by the **State** to the lowest qualified bidder who submits a proposal in conformity with the requirements and specifications for the work to be performed. If this option is chosen, attach form ROW-U-48-1, the terms of which are incorporated herein by reference.

_____ _____
Signature Date

City Manager
Title

Attachment “E”
Utility Joint Use Agreement – (ROW-U-JUA) and/or Utility Installation Request – (Form 1082)

☐ Utility Joint Use Agreement (ROW–U–JUA)

☒ Utility Installation Review/Permit Number: DAL20230323151406

Approval Form
Online version 11/2005

APPROVAL

To Bobby Singletary
City of Sanger Electric Utilities
202 Railroad Avenue
Sanger, TX 76266

Date 5/10/2023
Application No. DAL20230323151406
District App. No. DAL20230323151406
Highway IH 0035
Control Section 019502
Maintenance Section Denton County Maintenance
County Denton

TxDOT offers no objection to the location on the right-of-way of your proposed utility installation, as described by Notice of Proposed Utility Installation No. DAL20230323151406 (District Application No. DAL20230323151406) dated 5/10/2023 and accompanying documentation, except as noted below.

It is understood that it is the responsibility of the utility owner to contact TxDOT 48 hrs prior to the start of construction using the UIR System and by email or phone call to the area office Utility Coordinator. It is also the owners responsibility to contact TxDOT once the construction is complete.

When installing utility lines on controlled access highways, your attention is directed to governing laws, especially to Texas Transportation Code, Title 6, Chapter 203, pertaining to Modernization of State Highways; Controlled Access Highways. Access for serving this installation shall be limited to access via (a) frontage roads where provided, (b) nearby or adjacent public roads or streets, (c) trails along or near the highway right-of-way lines, connecting only to an intersecting roads; from any one or all of which entry may be made to the outer portion of the highway right-of-way for normal service and maintenance operations. The Installation Owner's rights of access to the through-traffic roadways and ramps shall be subject to the same rules and regulations as apply to the general public except, however, if an emergency situation occurs and usual means of access for normal service operations will not permit the immediate action required by the Utility Installation Owner in making emergency repairs as required for the safety and welfare of the public, the Utility Owners shall have a temporary right of access to and from the through-traffic roadways and ramps as necessary to accomplish the required emergency repairs, provided TxDOT is immediately notified by the Utility Installation Owner when such repairs are initiated and adequate provision is made by the Utility Installation Owner for convenience and safety of highway traffic.

The installation shall not damage any part of the highway and adequate provisions must be made to cause minimum inconveniences to traffic and adjacent property owners. In the event the Installation Owner fails to comply with any or all of the requirements as set forth herein, the State may take such action as it deems appropriate to compel compliance.

It is expressly understood that the TxDOT does not purport, hereby, to grant any right, claim, title, or easement in or upon this highway; and it is further understood that the TxDOT may require the Installation Owner to relocate this line, subject to provisions of governing laws, by giving thirty (30) days written notice.

If construction has not started within six (6) months of the date of this approval, the approval will automatically expire and you will be required to submit a new application. You are also requested to notify this office prior to commencement of any routine or periodic maintenance which requires pruning of trees within the highway right-of-way, so that we may provide specifications for the extent and methods to govern in trimming, topping, tree balance, type of cuts, painting cuts and clean up. These specifications are intended to preserve our considerable investment in highway planting and beautification, by reducing damage due to trimming.

Special Provisions:
General

You are required to notify TxDOT 48 hours (2 business days) before you start construction to allow for proper inspection and coordination of work days and traffic control plans. Use the UIR website for the 48-hour notification. DO NOT start construction until you have coordinated the construction start date and inspection with TxDOT. You are also required to keep a copy of this Approval, the Notice of Proposed Installation, and any approved amendments at the job site at all times.

Texas Department of Transportation
By Justin Braudrick
Title Utility Coordinator
District Dallas

Attachment “F”
Eligibility Ratio

Eligibility Ratio established: 100 %

☐ Non-interstate Highway (Calculations attached)

☒ Interstate Highway

ROW Utility Manual Chapter 8, Section 2
In developing the ratio, line length or number of poles is restricted to facilities located within the existing and proposed highway right of way. Facilities located outside the existing and proposed right of way limits will not be used in developing the ratio.

Please see example of eligibility ratio calculations below.

Plan Sheet or Page#	In Easement (Eligible) Existing # of Poles or LF	In Public ROW (Ineligible) Existing # of Poles or LF
1	0	0
2	84	22
3	90	385
4	238	96
Totals	412	503

Total Existing # of Poles or LF (Eligible)	412
Total Existing # of Poles or LF (Ineligible)	503
Total Existing # of Poles or LF	915
Total Existing # of Poles or LF (Eligible) divided by the Total Existing # of Poles or LF	45.03%

Attachment “G”
Betterment Calculation and Estimate

☐ Elective Betterment Ratio established: %
(Calculation attached and justification below)

☒ Forced Betterment
(Provide supporting documentation)

☐ Not Applicable

Forced betterment justification statement:
This project affects our trunk feeder conductor that is presently 477MCM wire. Due to load growth in the area along with limited numbers of feeder circuits, the City of Sanger adopted a new trunk feeder circuit conductor size of 795MCM, see standard on following sheet. Reconductoring will be phased in using feeder extensions and forced relocations then the remainder of the feeder as load justifies.

Two existing overhead crossings will be converted to underground. Station 2640+00 crossing is at an approach to an overpass raising the road elevation by approximately 16 feet making an overhead crossing impractacle and more expensive than underground.
The crossing at station 2733+00 is replacing an existing overhead crossing at 2743+00. Due to the ROW width expansion to 382 feet along with inability to obtain guying easements, directional boring with HDPE conduit is less costly than self-supporting structures.
The new underground crossing at station 2807+00 will replace existing underground crossings at stations 2787+00 and 2796+00. Combining these crossings into 1 is the least costly and most effective way to serve these customers.

June 12, 2023

Ms. Darla Payberah
TxDOT – Dallas District
4777 East Highway 80
Mesquite, TX 75150

RE: U00017757 Forced Betterment Request, City of Sanger Electric
IH 35 from US 380 to north of US 77, ROW CSJ 0195-03-087

Dear Ms. Payberah,

The City of Sanger Electric respectfully requests consideration of reimbursing forced betterment costs as for the reasons clarified below:

The IH 35 ROW expansion creates conflicts that affect our trunk feeder conductor that is presently 477MCM wire. Due to loading requirements for the area along with the limited numbers of feeder circuits, the City of Sanger adopted a new trunk feeder circuit conductor size of 795MCM. Please see the City standard on following sheet. Reconductoring will be phased in using feeder extensions and forced relocations then the remainder of the feeder as load justifies.

Two existing overhead crossings will be converted to underground. Station 2640+00 crossing is at an approach to an overpass raising the road elevation by approximately 16 feet making an overhead crossing impractical and more expensive than relocating it underground.

However, the underground crossing at station 2733+00 is replacing an existing overhead crossing at 2743+00. Due to the ROW width expansion to 382 feet along with inability to obtain guying easements, directional boring with HDPE conduit is less costly than self-supporting pole structures.
Finally, the new underground crossing at station 2807+00 will replace existing underground crossings at stations 2787+00 and 2796+00. Combining these crossings into 1 is the least costly and most effective way to serve these customers.

Please feel free to contact me at 940.458.7930 or at JNoblitt@sangertexas.org if you have any questions. Thank you for this consideration.

Respectfully,

John Noblitt
City Manager
City of Sanger, Texas

CIRCUIT DESIGN CAPACITY SHALL BE AS FOLLOWS:

1. FEEDER TRUNKS 900 AMPS
2. 3 PHASE TAPS 200 AMPS
3. SINGLE PHASE TAPS 100 AMPS

OVERHEAD STANDARD WIRE SIZES

WIRE SIZE	RATING (AMPS)	APPLICATION	STOCK NUMBER
795ACSR	907	FEEDER TRUNKS	
477ACSR	646	NEUTRAL ON FEEDER TRUNKS	
1/0ACSR	242	3 PHASE TAPS	
#4ACSR	140	SINGLE PHASE TAPS	

CONDUCTOR SHALL BE SAGGED ACCORDING TO NESC HEAVY LOADING DISTRICT

OH PRIMARY CONDUCTOR

EST. 1886
SANGER
ELECTRIC UTILITIES

UNIT NO.

ISSUE DATE: 7/20/2021

Attachment “H”
Proof of Property Interest

☐ Supporting documentation of compensable property interest that establishes reimbursement eligibility as referenced in Texas Transportation Code §203.092.

☐ Property interest documented through applicable affidavits and required attachments.

☐ ROW-U-Affidavit

☒ The roadway improvement project is designated as an Interstate Highway project; therefore, no supporting documentation of compensable interest is required.