LOCATION MAP
N.T.S.

0 10 20 40
SCALE (FEET)

COMMUNICATION COMPANIES WILL BE RESPONSIBLE FOR TRANSFER OF THEIR RESPECTIVE CONDUCTOR/EQUIPMENT TO THE NEW STEEL POLE INSTALLED IN PROJECT SCOPE OF WORK.

COMMUNICATION COMPANIES WILL BE RESPONSIBLE FOR REMOVAL OF THEIR RESPECTIVE EXISTING POLE AFTER TRANSFER OF THEIR CONDUCTOR/EQUIPMENT HAS BEEN COMPLETED.

LEGEND

- EXISTING POWER POLE TO BE REMOVED
- NEW POWER POLE
- EXISTING POWER POLE
- EXISTING POWER LINE
- 100' EXISTING POWER LINE TO BE REMOVED
- 100' NEW POWER LINE
- APPROXIMATE. R.O.W.
- SLACK
- OVERHEAD GUY
- EXISTING ANCHOR
- NEW ANCHOR
- ANCHOR TO BE REMOVED
- TRANSFORMER (XFMR)
- STREET LIGHT

Aerial Electric Line. Aerial electric power lines crossing over the highway shall be installed and maintained a minimum of twenty-two feet (22') above the surface of the traffic lanes. For electric power lines with greater than 50,000 volts, the clearance shall be increased I accordance with National Electric Safety Code s published in the National Bureau of Standards, Handbook 30.

Aerial Communication Lines. Aerial Communication lines crossing over the highway shall be installed and maintained a minimum of eighteen feet (18') above the surface of the traffic lanes.

Utility poles. Poles installed to accommodate aerial utilities shall be located within three feet (3') of the right of way line. Poles with bases greater than thirty-six inches (36") in diameter shall not be placed within the right of way.

The Utility Company and/or its Utility Contractor is required to notify TxDOT 48 hours (2 business days) before starting 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. The Utility Company and/or its Utility Contractor is also required to keep a copy of the Approval, the Notice of Proposed Installation, and any approved amendments at the job site at all times.

Pole Diameter at Ground Level is ==== 15 " Diameter

THE USE OF POLE SET OR BACKFILL AT NEW POLE INSTALLATIONS WILL BE COORDINATED WITH AND APPROVED BY CITY OF SEGUIN INSPECTOR.

THE USE OF CONCRETE ENCASEMENT AT RESPECTIVE NEW POLE INSTALLATIONS ARE NOTED ACCORDINGLY IN THE CONSTRUCTION TABLE INSERTED ON EACH SHEET OF PROJECT DWG.

**ALL NEW POLES WILL BE A MINIMUM 45' IN HEIGHT.

** CHANGE OF EXISTING 3-PHASE CONDUCTOR TO 795 AAC PRIMARY & 336 ACSR NEUTRAL

** EXISTING POLES ARE LOCATED 18" WITHIN TxDOT R.O.W.

** PROFLE OF 3-PHASE ELECTRIC CROSSINGS SHOWN ON DWG.

**NO CHANGE OF ROUTE OF EXISTING 3-PHASE ELECTRIC LINE.

**CITY OF SEGUIN CONNECTION POLICY SHALL BE FOLLOWED FOR ALL INSTALLLATION OF ELECTRIC EQUIPMENT IN SCOPE OF PROJECT.

** ALL INSPECTIONS SHALL BE PERFORMED BY CITY OF SEGUIN ELECTRIC DEPARTMENT.

**ANY CHANGES IN SCOPE OF PROJECT SHALL BE COORDINATED WITH AND APPROVED BY CITY OF SEGUIN ELECTRIC DEPARTMENT BEFORE WORK IS DONE.

**CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING IN FOR ALL LINE LOCATES BEFORE ANY DIGGING IS INITIATED IN SCOPE OF PROJECT.

**ALL REQUIRED CUSTOMER OUTAGES FOR TRANSFER OR INSTALLATION OF NEW/EXISTING ELECTRIC EQUIPMENT IN SCOPE OF PROJECT SHALL BE COORDINATED WITH AND APPROVED BY CITY OF SEGUIN ELECTRIC DEPARTMENT BEFORE DISCONNECTING CUSTOMER ELECTRIC POWER SERVICE.

NEW POLE	EDGE OF PAVEMENT
NP 31	17.6'
NP 33	18.9'

POLE #	POLE TYPE	ANGLE	FRAME UNIT	CONSTRUCTION REQUIRED
EP 27	STEEL			STAYS === STEEL POLE STAYS === OH PRIMARY CONDUCTOR
EP 28	STEEL			STAYS == STEEL POLE STAYS == OH PRIMARY CONDUCTOR STAYS == OH XFMR STAYS == OH SECONDARY CONDUCTOR STAYS == STREET LIGHT ASSEMBLY
EP 29	WOOD			STAYS == WOOD POLE STAYS == OH SECONDARY CONDUCTOR
EP 30	WOOD			STAYS ==WOOD COMMUNCATTION POLE
NP 31	STEEL	01 Deg 01 Min		INSTALL == 50' - 2 STEEL POLE INSTALL == (3) OH XFMRS INSTALL == STREET LIGHT ASSEMBLY INSTALL == EXISTING OH SECONDARY CONDUCTOR FROM RP 31 A INSTALL == EXISTING THREE PHASE OH PRIMARY CONDUCTOR FROM RP 31 A
RP 31 A	WOOD			REMOVE == WOOD POLE REMOVE == (3) OH XFMRS REMOVE == STREET LIGHT ASSEMBLY REMOVE == EXISTING OH SECONDARY CONDUCTOR AND MOVE TO NP 31 REMOVE == EXISTING OH PRIMARY CONDUCTOR AND MOVE TO NP 31
EP 32	WOOD			STAYS == WOOD POLE STAYS == METER ASSEMBLY STAYS == OH SECONDARY CONDUCTOR
NP 33	STEEL			INSTALL == 35' STEEL POLE INSTALL == OH SECONDARY CONDUCTOR FROM RP 33 A
RP 33 A	WOOD			REMOVE == WOOD POLE REMOVE == EXISTING OH SECONDARY CONDUCTOR AND MOVE TO NP 33

AUGER SIZE GUIDELINES FOR POLE HOLES:

1. 10 Deg STEEL POLE ========== 48" (DIAMETER) AUGER
2. 50' STEEL POLE (SET 10' DEEP) ========== 36" (DIAMETER) AUGER
3. 6" MINIMUM WIDTH AROUND OUTSIDE OF POLE DIAMETER ======== CONCRETE ENCASED NOTATION

*** STANDARD POLE HOLE DEPTH == 10 % x Pole Length + 2' == (EXAMPLE: = 50' Pole (In Length) x 10% = 5' + 2' = 7' Deep Hole)

*** WHEN TRANSFERRING OR RE-ATTACHING EXISTING SECONDARY AND/OR PRIMARY CONDUCTOR (1-PHASE/3-PHASE) IN PROJECT SCOPE OF WORK == MAY BE NECESSARY TO "SPLICE IN" ADDITIONAL RESPECTIVE CONDUCTOR TO COMPLETE TERMINATION TO NEW POLE ****

*** ALL POLES SHALL INSTALLED WITH == "POLE SET" == UNLESS NOTED DIFFERENTLY, SUCH AS == "CONCRETE ENCASED"

*** ANY CHANGES TO PROJECT SCOPE OF WORK WILL BE COORDINATED AND APPROVED BY CITY OF SEGUIN ELECTRIC INSPECTOR BEFORE WORK IS INITIATED

STATE OF TEXAS
BRIAN SCOTT MEUTH
80648
REGISTERED PROFESSIONAL ENGINEER
4/21/2014

*CONTRACTOR SHALL USE DYNAMETER EQUIPMENT TO SAG NEW 3Ø OVERHEAD PRIMARY CONDUCTOR

*** REVISED DUE TO RELOCATION OF UTILITY POLE/ANCHORS BASED ON UPDATED "PROPOSED TxDOT R.O.W" NOTATION ALONG BUSINESS 123 AND COS ELECTRIC CHANGES ALONG SEIDEMAN EAST FROM BUSINESS 123 INTERSECTION.	4/21/2014

*** THE QUANTITIES SHOWN ON THE PLANS AND THE BID DOCUMENTS ARE ESTIMATED QUANTITIES AND BASED ON THE PLAN SET AND TO BE USED FOR BIDDING PURPOSE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL QUANTITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESOLVE ANY PERCEIVED DISCREPANCIES IN THE QUANTITIES WITH THE OWNER PRIOR BEGINNING ANY CONSTRUCTION WORK.

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The City of Seguin
816 Fred Byrd Drive Seguin, Texas 78155

DWG TITLE / LOCATION	BUS 123 TO SEIDEMAN
REV NO / REV BY	ISSUE DATE 03/11/2013
SCALE 1" = 20'	TECH M. E. BURCH
PAGE 1 OF 12	DWG #

Date: 10/28/2014 3:36 PM User: JUSTIN KRAUSE
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POLE #	POLE TYPE	ANGLE	FRAME UNIT	CONSTRUCTION REQUIRED
NP 01	STEEL			INSTALL === 50' - 2 STEEL POLE INSTALL === 3-PHASE OH PRIMARY === 1/0 ACSR == TO NP 35 == 67' X 4 = 268'
NP 02	STEEL			INSTALL === 55' - 2 STEEL POLE **** 10' DEEP *** **** CONCRETE ENCASED **** INSTALL === (3)-PHASE OH PRIMARY === 1/0 ACSR == TO EP 02 == 79' X 4 = 316'
EP 02	STEEL			STAYS === POLE STAYS === (3) OH XFMRS STAYS === OH SECONDARY CONDUCTOR
NP 03 A	STEEL			INSTALL === 30' STEEL POLE INSTALL === EXISTING OH SECONDARY CONDUCTOR FROM RP 42 INSTALL === STREET LIGHT ASSEMBLY
NP 04	STEEL			INSTALL === 40' STEEL POLE **** SET 10' DEEP **** ** USE POLE SET *** INSTALL === EXISTING OH SECONDARY CONDUCTOR TO (2) EXISTING RESIDENCES == 85' INSTALL === EXISTING OH SECONDARY CONDUCTOR TO NP 03A == 60' X 1= 60'
NP 05	STEEL			INSTALL === 65' CONCRETE SELF SUPPORT POLE **** SET 20' DEEP **** *** INSTALL POLE IN 52" DIAMETER POLE HOLE*** *** CONCRETE ENCASED **** INSTALL === STREET LIGHT ASSEMBLY INSTALL === OH SECONDARY CONDUCTOR FROM NP 45 - ACROSS BUS 123 == 91' X 1 =91' INSTALL === (3) - PHASE OH (795 AAC - 336 ACSR) PRIMARY CONDUCTOR TO NP 06 === 129' X 4 =516'
NP 34	STEEL			INSTALL === 35' STEEL POLE INSTALL === EXISTING OH SECONDARY CONDUCTOR FROM RP 34 A
RP 34 A	WOOD			REMOVE === WOOD POLE REMOVE === EXISTING OH SECONDARY CONDUCTOR AND MOVE TO NP 34
NP 35	STEEL	00 Deg 40 Min		INSTALL === 50' - 2 STEEL POLE INSTALL === STREET LIGHT ASSEMBLY INSTALL === EXISTING OH SECONDARY CONDUCTOR FROM RP 35 A INSTALL === OH XFMR INSTALL === EXISTING 3-PHASE OH PRIMARY CONDUCTOR FROM RP 35 A
RP 35 A	WOOD			REMOVE === WOOD POLE REMOVE === EXISTING OH SECONDARY CONDUCTOR AND MOVE TO NP 35 REMOVE === OH XFMR REMOVE === STREET LIGHT ASSEMBLY REMOVE === EXISTING OH PRIMARY CONDUCTOR AND MOVE TO NP 35
NP 36	STEEL	00 Deg 38 Min		INSTALL === 50' - 2 STEEL POLE INSTALL === GUY/ANCHOR ASSEMBLY INSTALL === EXISTING 3-PHASE OH PRIMARY SWITCH ASSEMBLY FROM RP 36 A INSTALL === EXISTING 3-PHASE OH PRIMARY CONDUCTOR FROM RP 36 A INSTALL === (3) - PHASE OH (795 AAC - 336 ACSR) PRIMARY CONDUCTOR TO NP 37 === 86' X 4 = 344'
RP 36 A	WOOD			REMOVE === WOOD POLE REMOVE === EXISTING 3-PHASE OH PRIMARY SWITCH ASSEMBLY AND MOVE TO NP 36 REMOVE === OH PRIMARY CONDUCTOR TO RP 37A == 77' X 4 = 308'

NEW POLE	EDGE OF PAVEMENT
NP 34	12.9'
NP 01	12.4'
NP 35	14.4'
NP 36	16.3'
NP 37	15.4'
NP 02	25.4'
NP 03A	25.1'
NP 38	19.6'
NP 04	22.1'
NP 05	18.9'
NP 45	23.1'

0 10 20 40
SCALE (FEET)

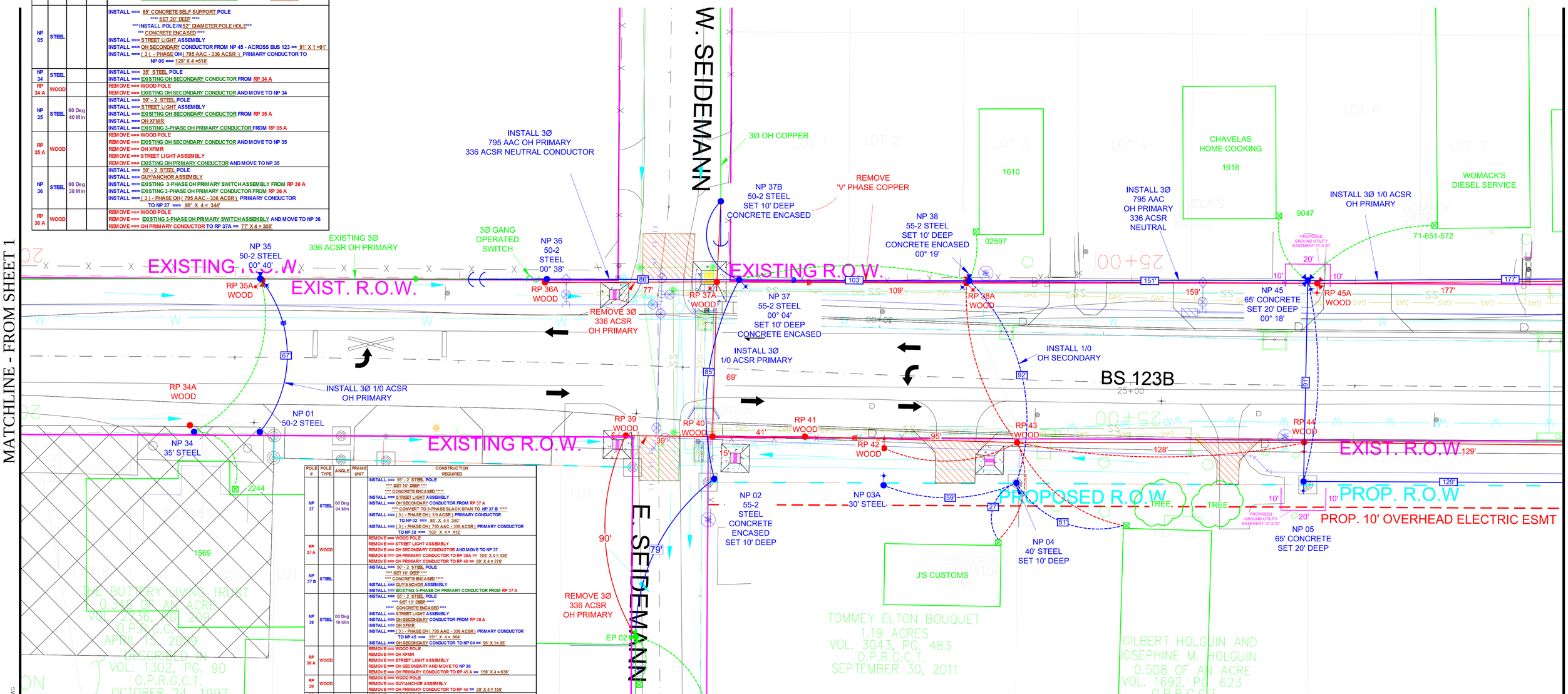
LEGEND

- EXISTING POWER POLE TO BE REMOVED
- NEW POWER POLE
- EXISTING POWER POLE
- EXISTING POWER LINE
- EXISTING POWER LINE TO BE REMOVED
- NEW POWER LINE
- APPROXIMATE. R.O.W.
- SLACK
- OVERHEAD GUY
- EXISTING ANCHOR
- NEW ANCHOR
- ANCHOR TO BE REMOVED
- TRANSFORMER (XFMR)
- STREET LIGHT

*** WHEN TRANSFERRING OR RE-ATTACHING EXISTING SECONDARY AND/OR PRIMARY CONDUCTOR (1-PHASE/3-PHASE) IN PROJECT SCOPE OF WORK == MAY BE NECESSARY TO "SPLICE IN" ADDITIONAL RESPECTIVE CONDUCTOR TO COMPLETE TERMINATION TO NEW POLE ****

*** ALL POLES SHALL INSTALLED WITH == "POLE SET" == UNLESS NOTED DIFFERENTLY, SUCH AS == "CONCRETE ENCASED"

*** ANY CHANGES TO PROJECT SCOPE OF WORK WILL BE COORDINATED AND APPROVED BY CITY OF SEGUIN ELECTRIC INSPECTOR BEFORE WORK IS INITIATED



POLE #	POLE TYPE	ANGLE	FRAME UNIT	CONSTRUCTION REQUIRED
NP 37	STEEL	00 Deg 04 Min		INSTALL === 55' - 2 STEEL POLE **** SET 10' DEEP **** **** CONCRETE ENCASED **** INSTALL === STREET LIGHT ASSEMBLY INSTALL === OH SECONDARY CONDUCTOR FROM RP 37 A **** CONVERT TO 3-PHASE SLACK SPAN TO NP 37 B ***** INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 02 === 85' X 4 = 340' INSTALL === (3) - PHASE OH (795 AAC - 336 ACSR) PRIMARY CONDUCTOR TO NP 38 === 103' X 4 = 412'
RP 37 A	WOOD			REMOVE === WOOD POLE REMOVE === STREET LIGHT ASSEMBLY REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 37 REMOVE === OH PRIMARY CONDUCTOR TO RP 38A == 109' X 4 = 436' REMOVE === OH PRIMARY CONDUCTOR TO RP 40 == 69' X 4 = 276'
NP 37 B	STEEL			INSTALL === 50' - 2 STEEL POLE **** SET 10' DEEP **** **** CONCRETE ENCASED **** INSTALL === GUY/ANCHOR ASSEMBLY INSTALL === EXISTING 3-PHASE OH PRIMARY CONDUCTOR FROM RP 37 A
NP 38	STEEL	00 Deg 19 Min		INSTALL === 55' - 2 STEEL POLE **** SET 10' DEEP ***** ***** CONCRETE ENCASED **** INSTALL === STREET LIGHT ASSEMBLY INSTALL === OH SECONDARY CONDUCTOR FROM RP 38 A INSTALL === OH XFMR INSTALL === (3) - PHASE OH (795 AAC - 336 ACSR) PRIMARY CONDUCTOR TO NP 45 === 151' X 4 = 604' INSTALL === OH SECONDARY CONDUCTOR TO NP 04 == 95' X 1= 95'
RP 38 A	WOOD			REMOVE === WOOD POLE REMOVE === OH XFMR REMOVE === STREET LIGHT ASSEMBLY REMOVE === OH SECONDARY AND MOVE TO NP 38 REMOVE === OH PRIMARY CONDUCTOR TO RP 45 A == 159' X 4 = 636'
RP 39	WOOD			REMOVE === WOOD POLE REMOVE === GUY/ANCHOR ASSEMBLY REMOVE === OH PRIMARY CONDUCTOR TO RP 40 == 39' X 4 = 156'
RP 40	WOOD			REMOVE === WOOD POLE REMOVE === OH PRIMARY CONDUCTOR TO RP 41 == 41' X 4 = 164'
RP 41	WOOD			REMOVE === WOOD POLE REMOVE === OH PRIMARY CONDUCTOR TO RP 43 == 95' X 4 = 380'
RP 42	WOOD			REMOVE === WOOD POLE REMOVE === STREET LIGHT ASSEMBLY REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 03 A
RP 43	WOOD			REMOVE === WOOD POLE REMOVE === OH SECONDARY CONDUCTOR TO RP 38 A == 75' X 1 = 75' REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 04 REMOVE === OH PRIMARY CONDUCTOR TO RP 44 == 128' X 4 = 512'
RP 44	WOOD			REMOVE === WOOD POLE REMOVE === STREET LIGHT ASSEMBLY REMOVE === OH SECONDARY CONDUCTOR REMOVE === 3-PHASE OH PRIMARY CONDUCTOR TO RP 46 === 129' X 4 = 516'
NP 45	STEEL	00 Deg 18 Min		INSTALL === 65' CONCRETE SELF SUPPORT POLE **** SET 20' DEEP **** *** INSTALL POLE IN 52" DIAMETER POLE HOLE*** *** CONCRETE ENCASED **** INSTALL === (3) OH XFMRS ===== (1) 25KVA - (2) 15 KVA ***** CLOSED DELTA CONFIGURATION ***** INSTALL === STREET LIGHT ASSEMBLY INSTALL === OH SECONDARY CONDUCTOR FROM RP 45 A INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 47 === 177' X 4 = 708' INSTALL === (3) - PHASE OH (795 AAC - 336 ACSR) PRIMARY CONDUCTOR TO NP 05 === 91' X 4 = 364'
RP 45 A	WOOD			REMOVE === WOOD POLE REMOVE === STREET LIGHT ASSEMBLY REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 45 REMOVE === (3) OH XFMRS REMOVE === 3-PHASE OH PRIMARY CONDUCTOR TO RP 47 A == 177' X 4 = 708'

MATCHLINE - SEE SHEET 10

AUGER SIZE GUIDELINES FOR POLE HOLES:

1. 10 Deg STEEL POLE ========== 48" (DIAMETER) AUGER
2. 50' STEEL POLE (SET 10' DEEP) ========== 36" (DIAMETER) AUGER
3. 6" MINIMUM WIDTH AROUND OUTSIDE OF POLE DIAMETER ======== CONCRETE ENCASED NOTATION

*** STANDARD POLE HOLE DEPTH == 10 % x Pole Length + 2' == (EXAMPLE: = 50' Pole (In Length) x 10% = 5' + 2' = 7' Deep Hole)

*** REVISED DUE TO RELOCATION OF UTILITY POLE/ANCHORS BASED ON UPDATED "PROPOSED TxDOT R.O.W" NOTATION ALONG BUSINESS 123 AND COS ELECTRIC CHANGES ALONG SEIDEMAN EAST FROM BUSINESS 123 INTERSECTION.	4/21/2014

STATE OF TEXAS
BRIAN SCOTT MEUTH
80648
REGISTERED PROFESSIONAL ENGINEER
5/14/2013

*CONTRACTOR SHALL USE DYNAMETER EQUIPMENT TO SAG NEW 3Ø OVERHEAD PRIMARY CONDUCTOR

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The City of Seguin
816 Fred Byrd Drive Seguin, Texas 78155

PROJ TITLE / LOCATION: BUS 123 TO SEIDEMAN

REV. NO.	REV. BY	ISSUE DATE
		03/11/2013
SCALE 1" = 20'		TECH M. E. BURCH
SHEET 2 OF 12		REV #

Date: 10/28/2014 3:36 PM User: JUSTIN KRAUSE
File: S:\SEGUIN\2012\BUS 123 TO SEIDEMAN\BUS 123 TO SEIDEMAN.DWG

NEW/EXISTING POLE	EDGE OF PAVEMENT
NP 06	18.7'
NP 47	25.2'
NP 07	18.5'
NP 49	25.1'
NP 08	18.3'
NP 52	25.8'
NP 09	18.1'
NP 10	17.9'
NP 55	23.3'
NP 57	23.1'

0 10 20 40
SCALE (FEET)

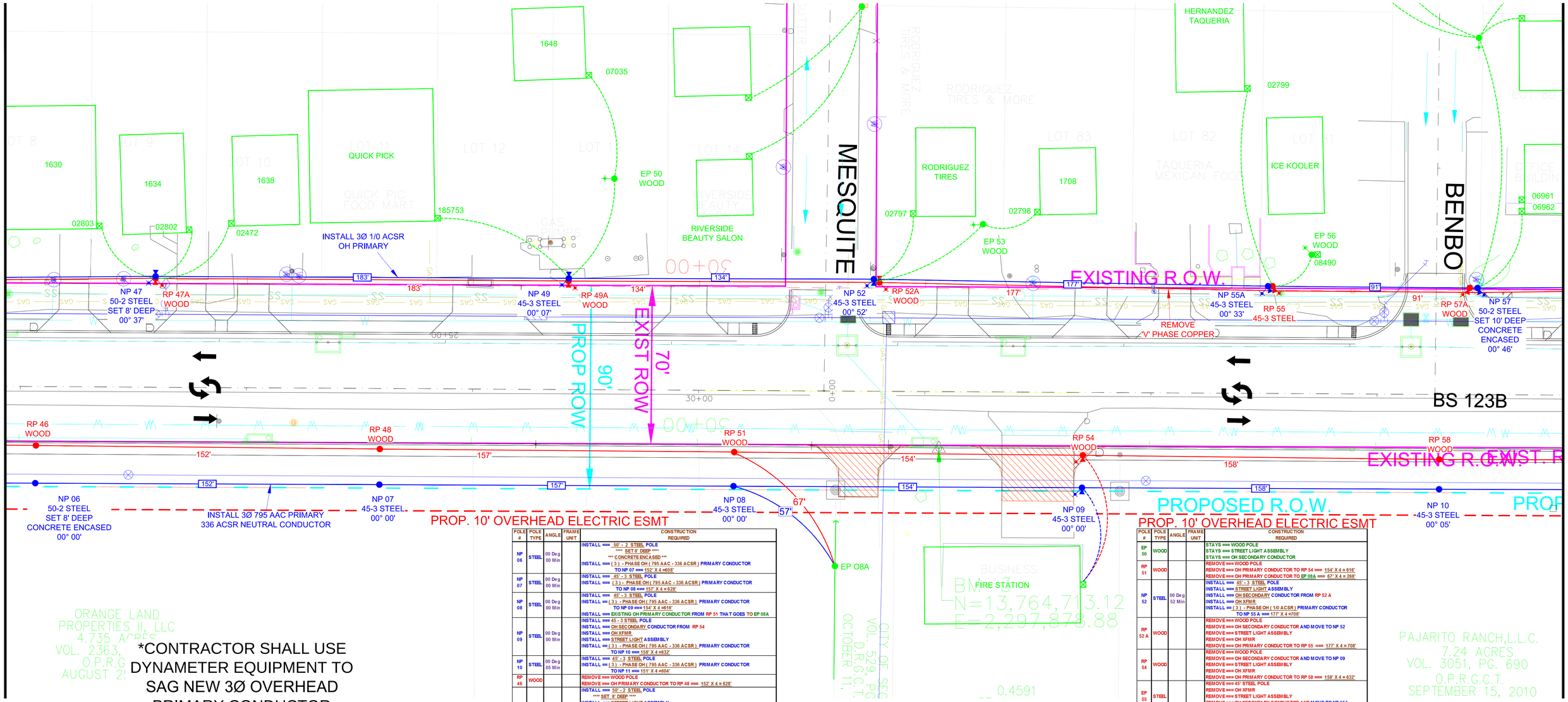
LEGEND

- EXISTING POWER POLE TO BE REMOVED
- NEW POWER POLE
- EXISTING POWER POLE
- EXISTING POWER LINE
- 100' EXISTING POWER LINE TO BE REMOVED
- 100' NEW POWER LINE
- APPROXIMATE. R.O.W.
- SLACK
- OVERHEAD GUY
- EXISTING ANCHOR
- NEW ANCHOR
- ANCHOR TO BE REMOVED
- TRANSFORMER (XFMR)
- STREET LIGHT

*** WHEN TRANSFERRING OR RE-ATTACHING EXISTING SECONDARY AND/OR PRIMARY CONDUCTOR (1-PHASE/3-PHASE) IN PROJECT SCOPE OF WORK == MAY BE NECESSARY TO "SPLICE IN" ADDITIONAL RESPECTIVE CONDUCTOR TO COMPLETE TERMINATION TO NEW POLE ****

*** ALL POLES SHALL INSTALLED WITH == "POLE SET" == UNLESS NOTED DIFFERENTLY, SUCH AS == "CONCRETE ENCASED"

*** ANY CHANGES TO PROJECT SCOPE OF WORK WILL BE COORDINATED AND APPROVED BY CITY OF SEGUIN ELECTRIC INSPECTOR BEFORE WORK IS INITIATED



*CONTRACTOR SHALL USE DYNAMETER EQUIPMENT TO SAG NEW 3Ø OVERHEAD PRIMARY CONDUCTOR

POLE #	POLE TYPE	ANGLE	FRAME UNIT	CONSTRUCTION REQUIRED
NP 06	STEEL	00 Deg 00 Min		INSTALL === 50' - 2 STEEL POLE **** SET 8' DEEP **** *** CONCRETE ENCASED *** INSTALL === (3) - PHASE OH (795 AAC - 336 ACSR) PRIMARY CONDUCTOR TO NP 07 === 152' X 4 =608'
NP 07	STEEL	00 Deg 00 Min		INSTALL === 45' - 3 STEEL POLE INSTALL === (3) - PHASE OH (795 AAC - 336 ACSR) PRIMARY CONDUCTOR TO NP 08 === 157' X 4 = 628'
NP 08	STEEL	00 Deg 00 Min		INSTALL === 45' - 3 STEEL POLE INSTALL === (3) - PHASE OH (795 AAC - 336 ACSR) PRIMARY CONDUCTOR TO NP 09 === 154' X 4 =616' INSTALL === EXISTING OH PRIMARY CONDUCTOR FROM RP 51 THAT GOES TO EP 08A
NP 09	STEEL	00 Deg 00 Min		INSTALL === 45 - 3 STEEL POLE INSTALL === OH SECONDARY CONDUCTOR FROM RP 54 INSTALL === OH XFMR INSTALL === STREET LIGHT ASSEMBLY INSTALL == (3) - PHASE OH (795 AAC - 336 ACSR) PRIMARY CONDUCTOR TO NP 10 === 158' X 4 =632'
NP 10	STEEL	00 Deg 05 Min		INSTALL === 45' - 3 STEEL POLE INSTALL == (3) - PHASE OH (795 AAC - 336 ACSR) PRIMARY CONDUCTOR TO NP 11 === 151' X 4 =604'
RP 46	WOOD			REMOVE == WOOD POLE REMOVE == OH PRIMARY CONDUCTOR TO RP 48 === 152' X 4 = 628'
NP 47	STEEL	00 Deg 37 Min		INSTALL === 50' - 2 STEEL POLE **** SET 8' DEEP **** INSTALL === STREET LIGHT ASSEMBLY INSTALL == OH SECONDARY CONDUCTOR FROM RP 47 A INSTALL == OH XFMR INSTALL == (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 49 === 183' X 4 =732'
RP 47 A	WOOD			REMOVE == WOOD POLE REMOVE == OH SECONDARY CONDUCTOR AND MOVE TO NP 47 REMOVE == STREET LIGHT ASSEMBLY REMOVE == OH XFMR REMOVE == OH PRIMARY CONDUCTOR TO RP 49 A === 183' X 4 = 732'
RP 48	WOOD			REMOVE == WOOD POLE REMOVE == OH PRIMARY CONDUCTOR TO RP 51 === 157' X 4 = 628'
NP 49	STEEL	00 Deg 07 Min		INSTALL === 45' - 3 STEEL POLE INSTALL == STREET LIGHT ASSEMBLY INSTALL == OH SECONDARY CONDUCTOR FROM RP 49 A INSTALL == OH XFMR INSTALL == (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 52 === 134' X 4 =536'
RP 49 A	WOOD			REMOVE == WOOD POLE REMOVE == OH SECONDARY CONDUCTOR AND MOVE TO NP 49 REMOVE == STREET LIGHT ASSEMBLY REMOVE == OH XFMR REMOVE == OH PRIMARY CONDUCTOR TO RP 52 A === 134' X 4 = 536'

POLE #	POLE TYPE	ANGLE	FRAME UNIT	CONSTRUCTION REQUIRED
EP 50	WOOD			STAYS == WOOD POLE STAYS == STREET LIGHT ASSEMBLY STAYS == OH SECONDARY CONDUCTOR
RP 51	WOOD			REMOVE == WOOD POLE REMOVE == OH PRIMARY CONDUCTOR TO RP 54 === 154' X 4 = 616' REMOVE == OH PRIMARY CONDUCTOR TO EP 08A === 67' X 4 = 268'
NP 52	STEEL	00 Deg 52 Min		INSTALL === 45' - 3 STEEL POLE INSTALL == STREET LIGHT ASSEMBLY INSTALL == OH SECONDARY CONDUCTOR FROM RP 52 A INSTALL == OH XFMR INSTALL == (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 55 A === 177' X 4 =708'
RP 52 A	WOOD			REMOVE == WOOD POLE REMOVE == OH SECONDARY CONDUCTOR AND MOVE TO NP 52 REMOVE == STREET LIGHT ASSEMBLY REMOVE == OH XFMR REMOVE == OH PRIMARY CONDUCTOR TO RP 55 === 177' X 4 = 708'
RP 54	WOOD			REMOVE == WOOD POLE REMOVE == OH SECONDARY CONDUCTOR AND MOVE TO NP 09 REMOVE == STREET LIGHT ASSEMBLY REMOVE == OH XFMR REMOVE == OH PRIMARY CONDUCTOR TO RP 58 === 158' X 4 = 632'
EP 55	STEEL			REMOVE == 45' STEEL POLE REMOVE == OH XFMR REMOVE == STREET LIGHT ASSEMBLY REMOVE == OH SECONDARY CONDUCTOR AND MOVE TO NP 55A REMOVE == 3-PHASE TO RP 57 A == 91' X 4 = 364'
NP 55 A	STEEL	00 Deg 33 Min		INSTALL == 45' - 3 STEEL POLE INSTALL == STREET LIGHT ASSEMBLY INSTALL == OH SECONDARY FROM RP 55 INSTALL == OH XFMR INSTALL == (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 57 === 91' X 4 = 364'
NP 57	STEEL	00 Deg 46 Min		INSTALL == 50' - 2 STEEL POLE **** SET 10' DEEP **** ***** CONCRETE ENCASED ***** INSTALL == STREET LIGHT ASSEMBLY INSTALL == OH SECONDARY CONDUCTOR FROM RP 57 A INSTALL == OH XFMR INSTALL == (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 60 === 167' X 4 = 668'
RP 57 A	WOOD			REMOVE == WOOD POLE REMOVE == OH SECONDARY CONDUCTOR AND MOVE TO NP 57 REMOVE == STREET LIGHT ASSEMBLY REMOVE == OH XFMR REMOVE == OH PRIMARY CONDUCTOR TO RP 60 A === 167' X 4 = 668'
RP 58	WOOD			REMOVE == WOOD POLE REMOVE == OH PRIMARY CONDUCTOR TO RP 59 === 151' X 4 = 614'

*** REVISED DUE TO RELOCATION OF UTILITY POLE/ANCHORS BASED ON UPDATED "PROPOSED TxDOT R.O.W" NOTATION ALONG BUSINESS 123 AND COS ELECTRIC CHANGES ALONG SEIDEMAN EAST FROM BUSINESS 123 INTERSECTION.	4/21/2014

AUGER SIZE GUIDELINES FOR POLE HOLES:

1. 10 Deg STEEL POLE ========== 48" (DIAMETER) AUGER
2. 50' STEEL POLE (SET 10' DEEP) ========== 36" (DIAMETER) AUGER
3. 6" MINIMUM WIDTH AROUND OUTSIDE OF POLE DIAMETER ======== CONCRETE ENCASED NOTATION

*** STANDARD POLE HOLE DEPTH == 10 % x Pole Length + 2' == (EXAMPLE: = 50' Pole (In Length) x 10% = 5' + 2' = 7' Deep Hole)

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PROJ TITLE / LOCATION	BUS 123 TO SEIDEMAN
REV NO / REV BY	ISSUE DATE 03/11/2013
SCALE 1" = 20'	TECH M. E. BURCH
PAGE 3 OF 12	REV #

STATE OF TEXAS
BRIAN SCOTT MEUTH
80648
REGISTERED PROFESSIONAL ENGINEER
3/11/2013

Date: 10/28/2014 5:36 PM User: JUSTIN KRAUSE
File: S:\SEGUIN\2012\BUS 123 TO SEIDEMAN\BUS 123 TO SEIDEMAN.DWG

*** REVISED DUE TO RELOCATION OF UTILITY POLE/ANCHORS BASED ON UPDATED "PROPOSED TxDOT R.O.W" NOTATION ALONG BUSINESS 123 AND COS ELECTRIC CHANGES ALONG SEIDEMAN EAST FROM BUSINESS 123 INTERSECTION.	4/21/2014

0 10 20 40
SCALE (FEET)

LEGEND

- EXISTING POWER POLE TO BE REMOVED
- NEW POWER POLE
- EXISTING POWER POLE
- EXISTING POWER LINE
- 100' EXISTING POWER LINE TO BE REMOVED
- 100' NEW POWER LINE
- APPROXIMATE. R.O.W.
- SLACK
- OVERHEAD GUY
- EXISTING ANCHOR
- NEW ANCHOR
- ANCHOR TO BE REMOVED
- TRANSFORMER (XFMR)
- STREET LIGHT

NEW/EXISTING POLE	EDGE OF PAVEMENT
NP 11	18.1'
NP 12	20.4'
NP 13	24.1'
NP 14	25.5'
NP 15	22.0'
NP 16	22.0'
NP 60	23.6'
EP 61	21.5'
NP 63	23.8'
NP 70	17.7'

*** WHEN TRANSFERRING OR RE-ATTACHING EXISTING SECONDARY AND/OR PRIMARY CONDUCTOR (1-PHASE/3-PHASE) IN PROJECT SCOPE OF WORK == MAY BE NECESSARY TO "SPLICE IN" ADDITIONAL RESPECTIVE CONDUCTOR TO COMPLETE TERMINATION TO NEW POLE ****

*** ALL POLES SHALL INSTALLED WITH == "POLE SET" == UNLESS NOTED DIFFERENTLY, SUCH AS == "CONCRETE ENCASED"

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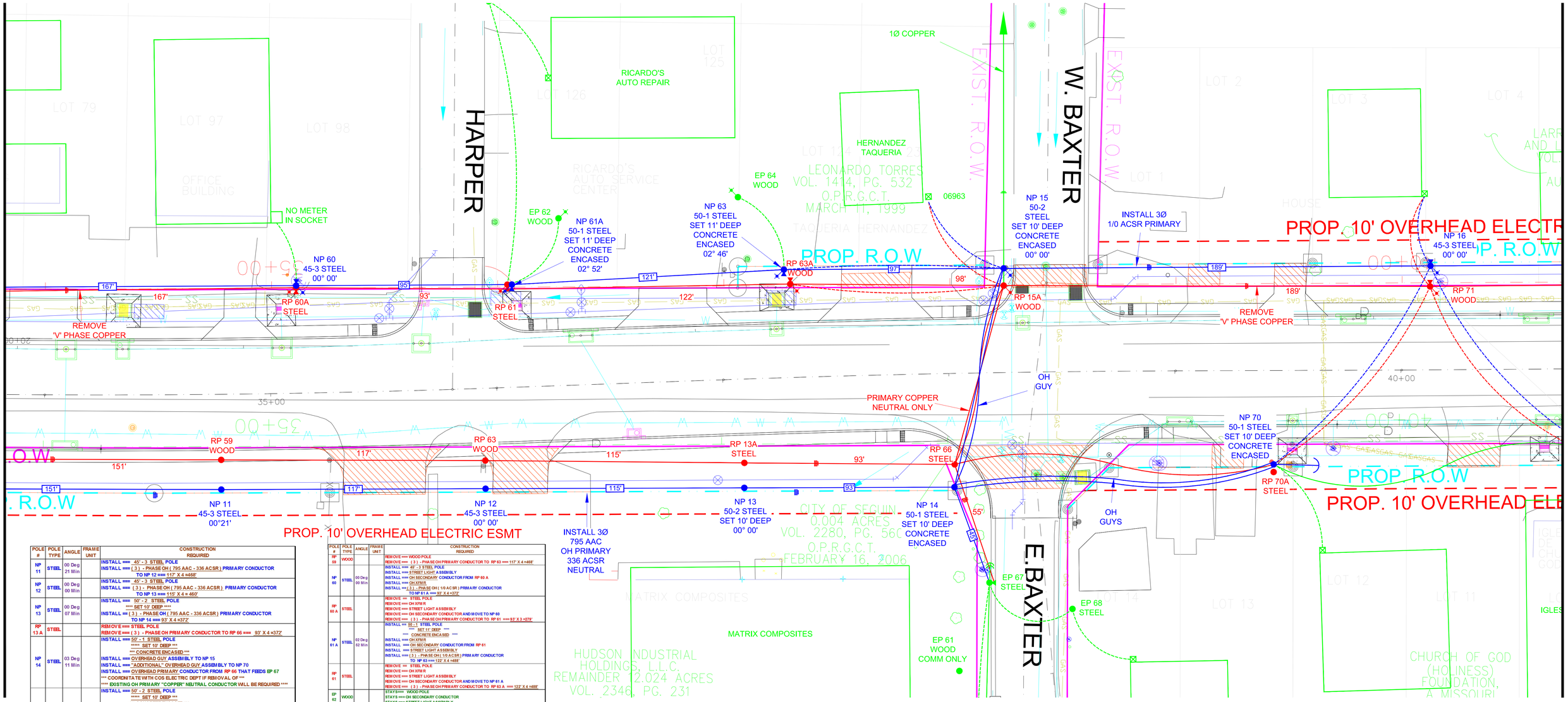

POLE #	POLE TYPE	ANGLE	FRAME UNIT	CONSTRUCTION REQUIRED
NP 11	STEEL	00 Deg 21 Min		INSTALL === 45' - 3 STEEL POLE INSTALL === (3) - PHASE OH (795 AAC - 336 ACSR) PRIMARY CONDUCTOR TO NP 12 === 117' X 4 =468'
NP 12	STEEL	00 Deg 00 Min		INSTALL === 45' - 3 STEEL POLE INSTALL === (3) - PHASE OH (795 AAC - 336 ACSR) PRIMARY CONDUCTOR TO NP 13 === 115' X 4 = 460'
NP 13	STEEL	00 Deg 07 Min		INSTALL == 50' - 2 STEEL POLE **** SET 10' DEEP **** INSTALL == (3) - PHASE OH (795 AAC - 336 ACSR) PRIMARY CONDUCTOR TO NP 14 === 93' X 4 =372'
RP 13 A	STEEL			REMOVE == STEEL POLE REMOVE == (3) - PHASE OH PRIMARY CONDUCTOR TO RP 66 == 93' X 4 =372'
NP 14	STEEL	03 Deg 11 Min		INSTALL == 50' -1 STEEL POLE ***** SET 10' DEEP *** *** CONCRETE ENCASED *** INSTALL == OVERHEAD GUY ASSEMBLY TO NP 15 INSTALL == "ADDITIONAL" OVERHEAD GUY ASSEMBLY TO NP 70 INSTALL == OVERHEAD PRIMARY CONDUCTOR FROM RP 66 THAT FEEDS EP 67 *** COORDINATE WITH COS ELECTRIC DEPT IF REMOVAL OF *** **** EXISTING OH PRIMARY "COPPER" NEUTRAL CONDUCTOR WILL BE REQUIRED ****
NP 15	STEEL	00 Deg 00 Min		INSTALL == 50' -2 STEEL POLE ***** SET 10' DEEP *** *** CONCRETE ENCASED *** INSTALL == OVERHEAD GUY ASSEMBLY TO NP 14 INSTALL == OH SECONDARY CONDUCTOR FROM RP 15 A INSTALL == STREET LIGHT ASSEMBLY INSTALL == (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 16 == 189' X 4 =756' *** COORDINATE WITH COS ELECTRIC DEPT IF REMOVAL OF *** **** EXISTING OH PRIMARY "COPPER" NEUTRAL CONDUCTOR WILL BE REQUIRED ****
RP 15 A	WOOD			REMOVE == WOOD POLE REMOVE == STREET LIGHT ASSEMBLY REMOVE == OH SECONDARY CONDUCTOR AND MOVE TO NP 15 REMOVE == (3) - PHASE OH PRIMARY CONDUCTOR TO RP 71 == 189' X 4 =756'
NP 16	STEEL	00 Deg 00 Min		INSTALL == 45' - 3 STEEL POLE INSTALL == STREET LIGHT ASSEMBLY INSTALL == OH SECONDARY CONDUCTOR FROM RP71 INSTALL == OH XFMR INSTALL == (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 17 == 224' X 4 =896'

*CONTRACTOR SHALL USE DYNAMETER EQUIPMENT TO SAG NEW 3Ø OVERHEAD PRIMARY CONDUCTOR

POLE #	POLE TYPE	ANGLE	FRAME UNIT	CONSTRUCTION REQUIRED
RP 59	WOOD			REMOVE == WOOD POLE REMOVE == (3) - PHASE OH PRIMARY CONDUCTOR TO RP 63 == 117' X 4 =468'
NP 60	STEEL	00 Deg 00 Min		INSTALL == 45' - 3 STEEL POLE INSTALL == STREET LIGHT ASSEMBLY INSTALL == OH SECONDARY CONDUCTOR FROM RP 60 A INSTALL == OH XFMR INSTALL == (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 61 A == 93' X 4 =372'
RP 60 A	STEEL			REMOVE == STEEL POLE REMOVE == OH XFMR REMOVE == STREET LIGHT ASSEMBLY REMOVE == OH SECONDARY CONDUCTOR AND MOVE TO NP 60 REMOVE == (3) - PHASE OH PRIMARY CONDUCTOR TO RP 61 == 93' X 3 =279'
NP 61 A	STEEL	02 Deg 52 Min		INSTALL == 50' -1 STEEL POLE ***** SET 11' DEEP **** **** CONCRETE ENCASED **** INSTALL == OH XFMR INSTALL == OH SECONDARY CONDUCTOR FROM RP 61 INSTALL == STREET LIGHT ASSEMBLY INSTALL == (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 63 == 122' X 4 =488'
RP 61	STEEL			REMOVE == STEEL POLE REMOVE == OH XFMR REMOVE == STREET LIGHT ASSEMBLY REMOVE == OH SECONDARY CONDUCTOR AND MOVE TO NP 61 A REMOVE == (3) - PHASE OH PRIMARY CONDUCTOR TO RP 63 A == 122' X 4 =488'
EP 62	WOOD			STAY5 == WOOD POLE STAY5 == OH SECONDARY CONDUCTOR STAY5 == STREET LIGHT ASSEMBLY
NP 63	STEEL	02 Deg 46 Min		INSTALL == 50' -1 STEEL POLE ***** SET 11' DEEP **** **** CONCRETE ENCASED **** INSTALL == STREET LIGHT ASSEMBLY INSTALL == OH SECONDARY CONDUCTOR FROM RP 63 A INSTALL == OH XFMR INSTALL == (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 15 == 98' X 4 =392'
RP 63	WOOD			REMOVE == WOOD POLE REMOVE == (3) - PHASE OH PRIMARY CONDUCTOR TO RP 13 A == 115' X 4 = 460'
RP 63 A	WOOD			REMOVE == WOOD POLE REMOVE == REMOVE OH XFMR REMOVE == OH SECONDARY CONDUCTOR AND MOVE TO NP 63 REMOVE == STREET LIGHT ASSEMBLY REMOVE == (3) - PHASE OH PRIMARY CONDUCTOR TO RP 15 A == 98' X 3 =294'
RP 66	STEEL			REMOVE == STEEL POLE REMOVE == REMOVE OH GUY ASSEMBLY TO RP 70A AND MOVE TO NP 14 REMOVE == OH PRIMARY CONDUCTOR THAT FEEDS EP 67 AND MOVE TO NP 14 REMOVE == OH GUY ASSEMBLY TO RP 15 A AND MOVE TO NP 14 *** COORDINATE WITH COS ELECTRIC DEPT IF REMOVAL OF *** **** EXISTING OH PRIMARY "COPPER" NEUTRAL CONDUCTOR WILL BE REQUIRED ****
NP 70	STEEL			INSTALL == 50' -1 STEEL POLE ***** SET 10' DEEP **** **** CONCRETE ENCASED **** INSTALL == 20' GUY/ANCHOR ASSEMBLY INSTALL == OVERHEAD SECONDARY CONDUCTOR FROM RP 70 A INSTALL == OH GUY ASSEMBLY TO NP 14
RP 70 A	STEEL			REMOVE == STEEL POLE REMOVE == OH GUY ASSEMBLY TO RP 66 REMOVE == EXISTING OH GUY ASSEMBLY TO RP 72A AND MOVE TO NP 70 REMOVE == OH SECONDARY CONDUCTOR AND MOVE TO NP 70
RP 71	WOOD			REMOVE == WOOD POLE REMOVE == OH XFMR REMOVE == OH SECONDARY CONDUCTOR AND MOVE TO NP 16 REMOVE == STREET LIGHT ASSEMBLY REMOVE == (3) - PHASE OH PRIMARY CONDUCTOR TO RP 74 == 224' X 3 =672'

AUGER SIZE GUIDELINES FOR POLE HOLES:

1. 10 Deg STEEL POLE ========== 48" (DIAMETER) AUGER
2. 50' STEEL POLE (SET 10' DEEP) ========== 36" (DIAMETER) AUGER
3. 6" MINIMUM WIDTH AROUND OUTSIDE OF POLE DIAMETER ======== CONCRETE ENCASED NOTATION

*** STANDARD POLE HOLE DEPTH == 10 % x Pole Length + 2' == (EXAMPLE: = 50' Pole (In Length) x 10% = 5' + 2' = 7' Deep Hole)

*** THE QUANTITIES SHOWN ON THE PLANS AND THE BID DOCUMENTS ARE ESTIMATED QUANTITIES AND BASED ON THE PLAN SET AND TO BE USED FOR BIDDING PURPOSE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL QUANTITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESOLVE ANY PERCEIVED DISCREPANCIES IN THE QUANTITIES WITH THE OWNER PRIOR BEGINNING ANY CONSTRUCTION WORK.

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SCALE (FEET)

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- NEW POWER POLE
- EXISTING POWER POLE
- EXISTING POWER LINE
- EXISTING POWER LINE TO BE REMOVED
- NEW POWER LINE
- APPROXIMATE. R.O.W.
- SLACK
- OVERHEAD GUY
- EXISTING ANCHOR
- NEW ANCHOR
- ANCHOR TO BE REMOVED
- TRANSFORMER (XFMR)
- STREET LIGHT

NEW POLE	EDGE OF PAVEMENT
NP 72	17.1'
NP 17	21.7'
NP 73	17.3'
NP 18	21.4'
NP 78A	20.3'
NP 18	21.4'
NP 78	22.0'
NP 19	21.2'
NP 20	20.9'
NP 21	22.0'

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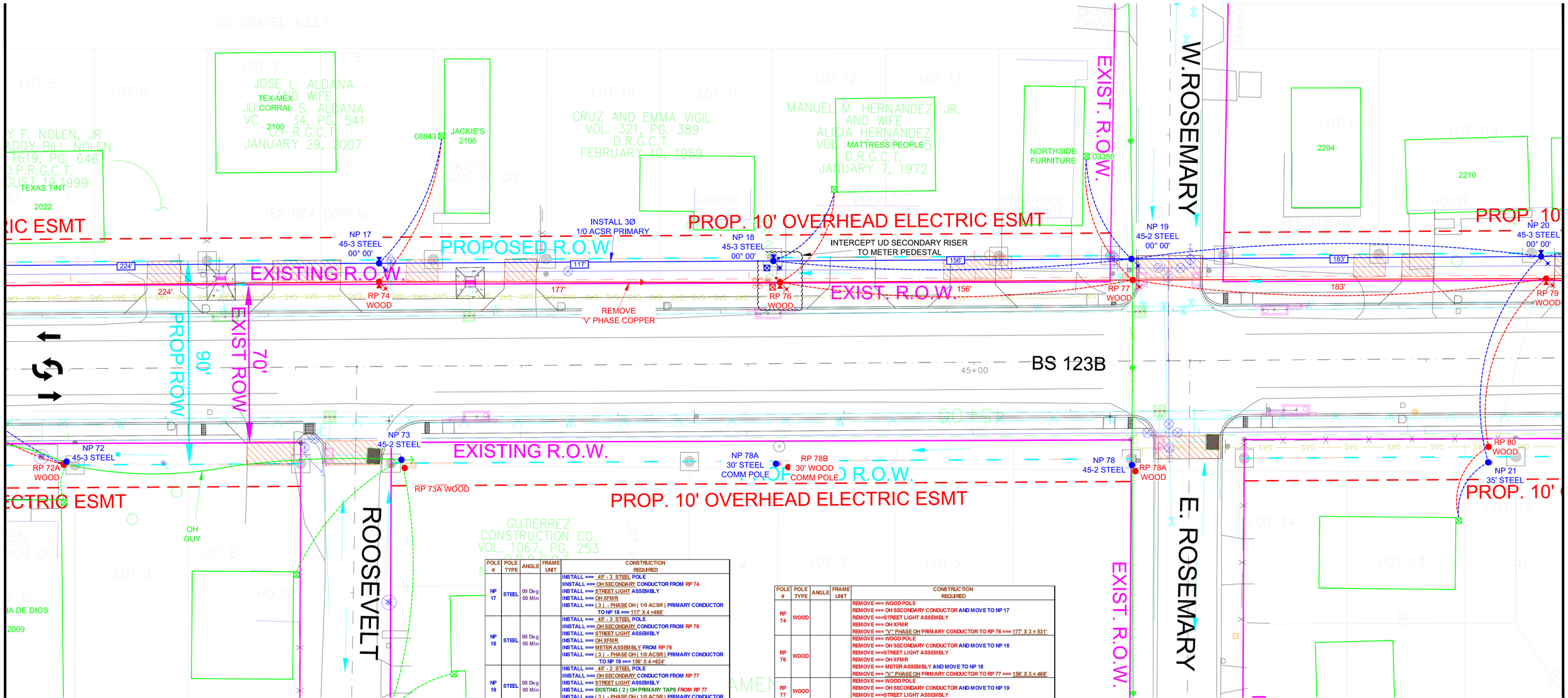

POLE #	POLE TYPE	ANGLE	FRAME UNIT	CONSTRUCTION REQUIRED
NP 17	STEEL	00 Deg 00 Min		INSTALL === 45' - 3 STEEL POLE IINSTALL ===OH SECONDARY CONDUCTOR FROM RP 74 INSTALL ===STREET LIGHT ASSEMBLY INSTALL ===OH XFMR INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 18 === 117' X 4 =468'
NP 18	STEEL	00 Deg 00 Min		INSTALL === 45' - 3 STEEL POLE IINSTALL ===OH SECONDARY CONDUCTOR FROM RP 76 INSTALL ===STREET LIGHT ASSEMBLY INSTALL ===OH XFMR INSTALL ===METER ASSEMBLY FROM RP 76 INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 19 === 156' X 4 =624'
NP 19	STEEL	00 Deg 00 Min		INSTALL === 45' - 2 STEEL POLE IINSTALL ===OH SECONDARY CONDUCTOR FROM RP 77 INSTALL ===STREET LIGHT ASSEMBLY INSTALL ===EXISTING (2) OH PRIMARY TAPS FROM RP 77 INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 20 === 183' X 4 =732'
NP 20	STEEL	00 Deg 00 Min		INSTALL === 45' - 3 STEEL POLE IINSTALL ===OH SECONDARY CONDUCTOR FROM RP 79 INSTALL ===STREET LIGHT ASSEMBLY INSTALL ===OH XFMR INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 22 === 203' X 4 =812'
NP 21	STEEL			INSTALL === 35' STEEL POLE INSTALL ===OH SECONDARY CONDUCTOR FROM RP 80
NP 72	STEEL			INSTALL === 45' - 3 STEEL POLE INSTALL ===EXISTING OH GUY ASSEMBLY FROM RP 72 A INSTALL ===OH SECONDARY CONDUCTOR FROM RP 72 A
RP 72 A	WOOD			REMOVE === WOOD POLE REMOVE ===OH SECONDARY CONDUCTOR AND MOVE TO NP 72 REMOVE ===OH GUY ASSEMBLY AND MOVE TO NP 72
NP 73	STEEL			INSTALL === 45' - 2 STEEL POLE IINSTALL ===OH SECONDARY CONDUCTOR FROM RP 73 A INSTALL ===OH GUY ASSEMBLY FROM RP 73 A INSTALL ===EXISTING GUY/ANCHOR ASSEMBLY FROM RP 73 A
RP 73 A	WOOD			REMOVE === WOOD POLE REMOVE ===OH SECONDARY CONDUCTOR AND MOVE TO NP 73 REMOVE ===OH GUY ASSEMBLY AND MOVE TO NP 73 REMOVE ===GUY/ANCHOR ASSEMBLY AND MOVE TO NP 73

POLE #	POLE TYPE	ANGLE	FRAME UNIT	CONSTRUCTION REQUIRED
RP 74	WOOD			REMOVE === WOOD POLE REMOVE ===OH SECONDARY CONDUCTOR AND MOVE TO NP 17 REMOVE ===STREET LIGHT ASSEMBLY REMOVE ===OH XFMR REMOVE ==="V" PHASE OH PRIMARY CONDUCTOR TO RP 76 === 177' X 3 = 531'
RP 76	WOOD			REMOVE === WOOD POLE REMOVE ===OH SECONDARY CONDUCTOR AND MOVE TO NP 18 REMOVE ===STREET LIGHT ASSEMBLY REMOVE ===OH XFMR REMOVE ===METER ASSEMBLY AND MOVE TO NP 18 REMOVE ==="V" PHASE OH PRIMARY CONDUCTOR TO RP 77 === 156' X 3 = 468'
RP 77	WOOD			REMOVE ===WOOD POLE REMOVE ===OH SECONDARY CONDUCTOR AND MOVE TO NP 19 REMOVE ===STREET LIGHT ASSEMBLY REMOVE ==="V" PHASE OH PRIMARY CONDUCTOR TO RP 79 === 183' X 3 = 549'
NP 78	STEEL			INSTALL ===45' - 2 STEEL POLE INSTALL ===EXISTING OH PRIMARY CONDUCTOR FROM RP 78 A
NP 78 A	STEEL			INSTALL ===30' STEEL COMMUNICATION POLE
RP 78 B	WOOD			REMOVE ===30' WOOD COMMUNICATION POLE
RP 78 A	WOOD			REMOVE ===WOOD POLE REMOVE ===EXISTING OH PRIMARY CONDUCTOR AND MOVE TO NP 78
RP 79	WOOD			REMOVE ===WOOD POLE REMOVE ===OH SECONDARY CONDUCTOR AND MOVE TO NP 20 REMOVE ===STREET LIGHT ASSEMBLY REMOVE ===OH XFMR REMOVE ==="V" PHASE OH PRIMARY CONDUCTOR TO RP 83 === 201' X 3 = 603'
RP 80	WOOD			REMOVE ===WOOD POLE REMOVE ===OH SECONDARY CONDUCTOR AND MOVE TO NP 21

*** REVISED DUE TO RELOCATION OF UTILITY POLE/ANCHORS BASED ON UPDATED "PROPOSED TxDOT R.O.W" NOTATION ALONG BUSINESS 123 AND COS ELECTRIC CHANGES ALONG SEIDEMAN EAST FROM BUSINESS 123 INTERSECTION.	4/21/2014

*CONTRACTOR SHALL USE DYNAMETER EQUIPMENT TO SAG NEW 3Ø OVERHEAD PRIMARY CONDUCTOR

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AUGER SIZE GUIDELINES FOR POLE HOLES:

1. 10 Deg STEEL POLE ========== 48" (DIAMETER) AUGER
2. 50' STEEL POLE (SET 10' DEEP) ========== 36" (DIAMETER) AUGER
3. 6" MINIMUM WIDTH AROUND OUTSIDE OF POLE DIAMETER ======== CONCRETE ENCASED NOTATION

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0 10 20 40
SCALE (FEET)

LEGEND

- EXISTING POWER POLE TO BE REMOVED
- NEW POWER POLE
- EXISTING POWER POLE
- EXISTING POWER LINE
- EXISTING POWER LINE TO BE REMOVED
- NEW POWER LINE
- APPROXIMATE. R.O.W.
- SLACK
- OVERHEAD GUY
- EXISTING ANCHOR
- NEW ANCHOR
- ANCHOR TO BE REMOVED
- TRANSFORMER (XFMR)
- STREET LIGHT

NEW POLE	EDGE OF PAVEMENT
NP 24	18.2'
NP 22	20.6'
NP 23	18.4'
NP 83	23.7'
NP 85	23.4'
NP 25	21.3'
NP 26	22.1'
NP 91	26.0'
NP 90	35.5'
NP 92	33.3'
NP 90B	35.4'

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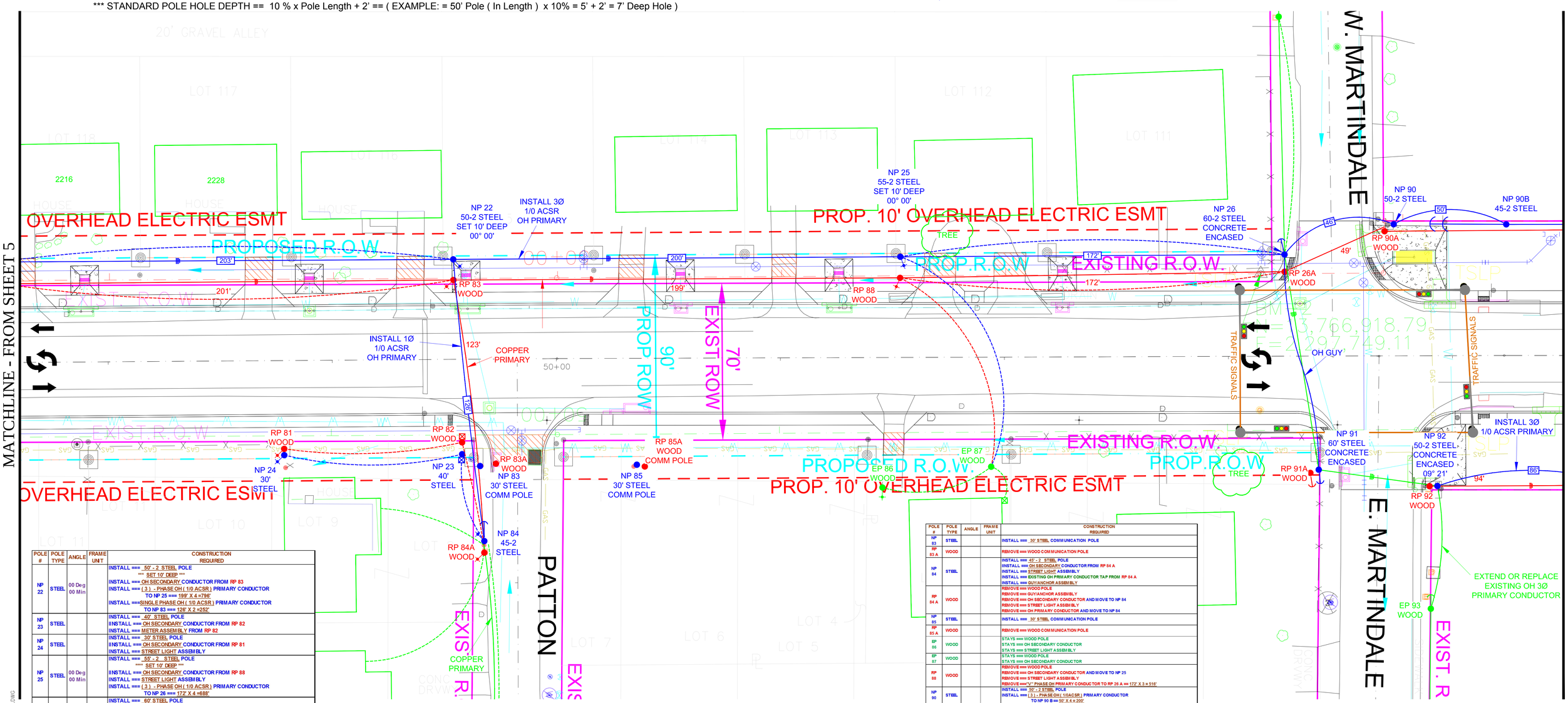

POLE #	POLE TYPE	ANGLE	FRAME UNIT	CONSTRUCTION REQUIRED
NP 22	STEEL	00 Deg 00 Min		INSTALL === 50' - 2 STEEL POLE *** SET 10' DEEP *** INSTALL === OH SECONDARY CONDUCTOR FROM RP 83 INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 25 === 199' X 4 =796' INSTALL ===SINGLE PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 83 === 126' X 2 =252'
NP 23	STEEL			INSTALL === 40' STEEL POLE INSTALL === OH SECONDARY CONDUCTOR FROM RP 82 INSTALL === METER ASSEMBLY FROM RP 82
NP 24	STEEL			INSTALL === 30' STEEL POLE INSTALL === OH SECONDARY CONDUCTOR FROM RP 81 INSTALL === STREET LIGHT ASSEMBLY
NP 25	STEEL	00 Deg 00 Min		INSTALL === 55' - 2 STEEL POLE **** SET 10' DEEP *** INSTALL === OH SECONDARY CONDUCTOR FROM RP 88 INSTALL === STREET LIGHT ASSEMBLY INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 26 === 172' X 4 =688'
NP 26	STEEL			INSTALL === 60' STEEL POLE *** CONCRETE ENCASED *** INSTALL == GUY/ANCHOR ASSEMBLY INSTALL === OH SECONDARY CONDUCTOR FROM RP 26 A INSTALL === EXISTING (2) OH PRIMARY CONDUCTOR TAPS FROM RP 26 A INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 90 === 46' X 4 =184'
RP 26 A	WOOD			REMOVE === WOOD POLE REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 26 REMOVE === EXISTING (2) OH PRIMARY CONDUCTOR TAPS AND MOVE TO NP 26 REMOVE ==="V" PHASE OH PRIMRY CONDUCTOR TO RP 90A === 49' X 3 = 147'
RP 81	WOOD			REMOVE === WOOD POLE REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 24 REMOVE === STREET LIGHT ASSEMBLY
RP 82	WOOD			REMOVE === WOOD POLE REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 23 REMOVE === METER ASSEMBLY AND MOVE TO NP 23
RP 83	WOOD			REMOVE === WOOD POLE REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 22 REMOVE ==="V" PHASE OH PRIMARY CONDUCTOR TO RP 88 == 199' X 3 = 597' REMOVE === SINGLE OH PRIMARY CONDUCTOR TO RP 84 A == 126' X 2 = 252'

POLE #	POLE TYPE	ANGLE	FRAME UNIT	CONSTRUCTION REQUIRED
NP 83	STEEL			INSTALL == 30' STEEL COMMUNICATION POLE
RP 83 A	WOOD			REMOVE == WOOD COMMUNICATION POLE
NP 84	STEEL			INSTALL == 45' - 2 STEEL POLE INSTALL == OH SECONDARY CONDUCTOR FROM RP 84 A INSTALL == STREET LIGHT ASSEMBLY INSTALL == EXISTING OH PRIMARY CONDUCTOR TAP FROM RP 84 A INSTALL == GUY/ANCHOR ASSEMBLY
RP 84 A	WOOD			REMOVE == WOOD POLE REMOVE == GUY/ANCHOR ASSEMBLY REMOVE == OH SECONDARY CONDUCTOR AND MOVE TO NP 84 REMOVE == STREET LIGHT ASSEMBLY REMOVE == OH PRIMARY CONDUCTOR AND MOVE TO NP 84
NP 85	STEEL			INSTALL == 30' STEEL COMMUNICATION POLE
RP 85 A	WOOD			REMOVE == WOOD COMMUNICATION POLE
EP 86	WOOD			STAYS == WOOD POLE STAYS == OH SECONDARY CONDUCTOR STAYS == STREET LIGHT ASSEMBLY
EP 87	WOOD			STAYS == WOOD POLE STAYS == OH SECONDARY CONDUCTOR
RP 88	WOOD			REMOVE == WOOD POLE REMOVE == OH SECONDARY CONDUCTOR AND MOVE TO NP 25 REMOVE == STREET LIGHT ASSEMBLY REMOVE ==="V" PHASE OH PRIMARY CONDUCTOR TO RP 26 A == 172' X 3 = 516'
NP 90	STEEL			INSTALL == 50' - 2 STEEL POLE INSTALL == (3) - PHASE OH (1/0ACSR) PRIMARY CONDUCTOR TO NP 90 B == 50' X 4 = 200'
RP 90 A	WOOD			REMOVE == WOOD POLE REMOVE == SINGLE PHASE OH PRIMARY CONDUCTOR TO RP 95 A == 172' X 2 = 344'
NP 90 B	STEEL			INSTALL == 45' - 2 STEEL POLE INSTALL == GUY/ANCHOR ASSEMBLY INSTALL == (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 95 == 116' X 4 = 464'
NP 91	STEEL			INSTALL == 60' STEEL POLE *** CONCRETE ENCASED *** INSTALL == GUY/ANCHOR ASSEMBLY INSTALL == EXISTING 3-PHASE OH PRIMARY CONDUCTOR FROM RP 91 A
RP 91 A	WOOD			REMOVE == WOOD POLE REMOVE == GUY/ANCHOR ASSEMBLY REMOVE == EXISTING OH PRIMARY CONDUCTOR AND MOVE TO NP 91
NP 92	STEEL	09 Deg 21 Min		INSTALL == 50' - 2 STEEL POLE **** CONCRETE ENCASED **** INSTALL == EXISTING 3-PHASE OH PRIMARY CONDUCTOR FROM RP 92 INSTALL == EXISTING OH PRIMARY CONDUCTOR TAP FROM RP 92 INSTALL == (3) PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 94 == 86' X 4 = 344'
RP 92	WOOD			REMOVE == WOOD POLE REMOVE == EXISTING OH PRIMARY CONDUCTOR AND MOVE TO NP 92 REMOVE ==="V" PHASE OH PRIMARY CONDUCTOR TO R 94 A == 86' X 4 = 344'
EP 93	WOOD			STAYS == WOOD POLE STAYS == OH PRIMARY CONDUCTOR

*CONTRACTOR SHALL USE DYNAMETER EQUIPMENT TO SAG NEW 3Ø OVERHEAD PRIMARY CONDUCTOR

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STATE OF TEXAS
BRIAN SCOTT MEUTH
80648
REGISTERED PROFESSIONAL ENGINEER
4/21/2013

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TEXAS REGISTERED ENGINEERING FIRM F-1394

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The City of Seguin
816 Fred Byrd Drive Seguin, Texas 78155

PROJ NEW LOCATION
BUS 123 TO SEIDEMAN

REV NO	REV BY	ISSUE DATE
		03/11/2013
SCALE 1" = 20'		TECH M. E. BURCH
PAGE 6 OF 12		REV #

Date: 10/28/2014 3:36 PM User: JUSTIN MEAUSE
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POLE #	POLE TYPE	ANGLE	FRAME UNIT	CONSTRUCTION REQUIRED
NP 94	STEEL	00 Deg 09 Min		INSTALL === 45' - 2 STEEL POLE INSTALL === GUY/ANCHOR ASSEMBLY INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 97 === 119' X 4 =476'
RP 94 A	WOOD			REMOVE === WOOD POLE REMOVE === "V" PHASE OH PRIMARY CONDUCTOR TO RP 97 A === 119' X 3 = 357'
NP 95	STEEL	00 Deg 00 Min		INSTALL === 45' - 3 STEEL POLE INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 96 === 82' X 4 =328'
RP 95 A	WOOD			REMOVE === WOOD POLE REMOVE === SINGLE PHASE OH PRIMARY CONDUCTOR TO RP 96 A === 82' X 2 = 164'
NP 96	STEEL	00 Deg 00 Min		INSTALL === 45' - 3 STEEL POLE INSTALL === OH SECONDARY CONDUCTOR FROM RP 96 A INSTALL === STREET LIGHT ASSEMBLY INSTALL === OH XFMR INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 99 === 117' X 4 =468'
RP 96 A	WOOD			REMOVE === WOOD POLE REMOVE === STREET LIGHTASSEMBLY REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 96 REMOVE === OH XFMR REMOVE === SINGLE PHASE OH PRIMARY CONDUCTOR TO RP 99 A === 117' X 2 = 234'
NP 97	STEEL	00 Deg 25 Min		INSTALL === 45' - 3 STEEL POLE INSTALL === OH SECONDARY CONDUCTOR FROM RP 97 A INSTALL === OH XFMR INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 98 === 85' X 4 =340'
RP 97 A	WOOD			REMOVE === WOOD POLE REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 97 REMOVE === OH XFMR REMOVE === "V" PHASE OH PRIMARY CONDUCTOR TO RP 98 A === 85' X 3 = 255'
NP 98	STEEL	00 Deg 37 Min		INSTALL === 45' - 3 STEEL POLE INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO EP 101 === 120' X 4 = 480'
RP 98 A	WOOD			REMOVE === WOOD POLE REMOVE === "V" PHASE OH PRIMARY CONDUCTOR TO EP 101 === 120' X 3 = 360'
NP 99	STEEL	00 Deg 00 Min		INSTALL === 45' - 3 STEEL POLE INSTALL === OH SECONDARY CONDUCTOR FROM RP 99 A INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 100A === 146' X 4 =584'
RP 99 A	WOOD			REMOVE === WOOD POLE REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 99 REMOVE === SINGLE PHASE OH PRIMARY CONDUCTOR TO RP 103 A === 292' X 2 = 584'

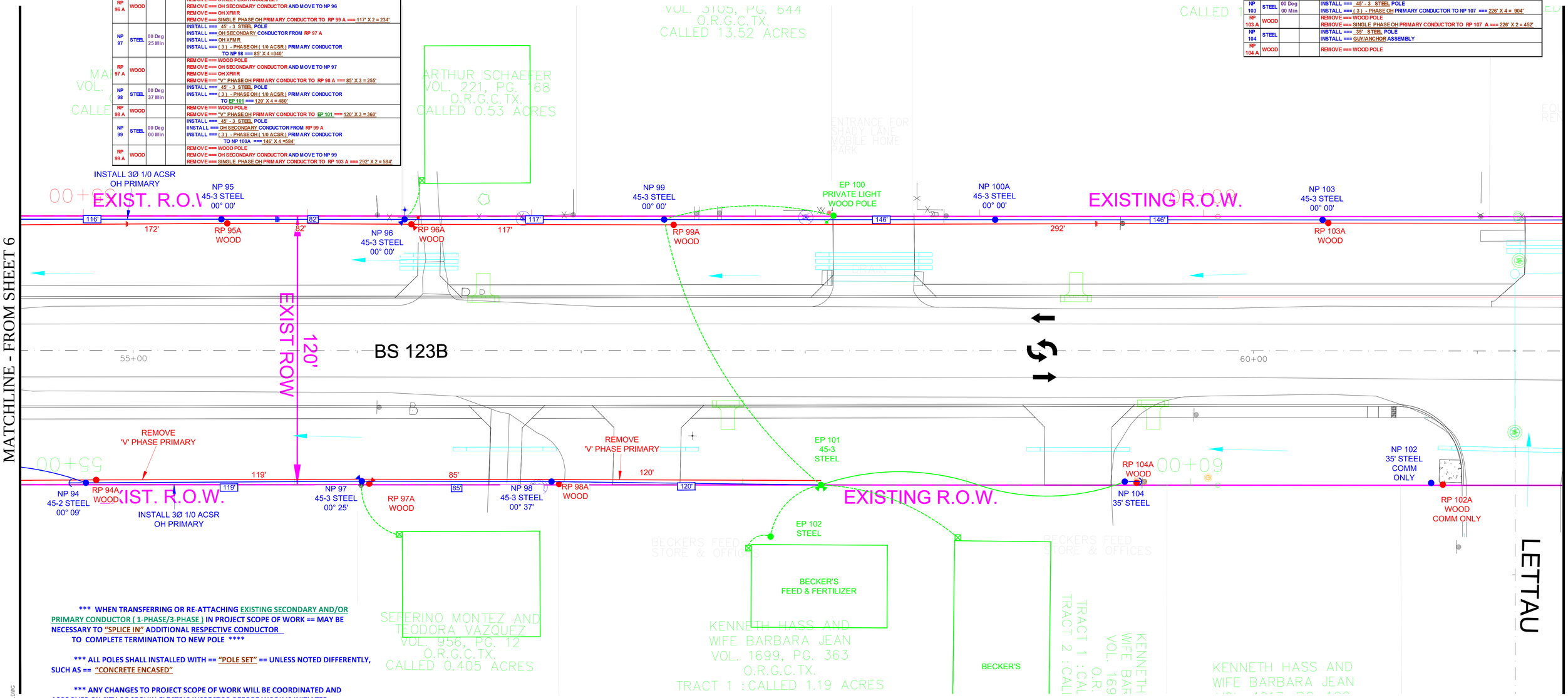
NEW POLE	EDGE OF PAVEMENT
NP 94	34.4'
NP 95	35.2'
NP 97	33.8'
NP 96	34.6'
NP 98	34.1'
NP 99	34.9'
NP 100A	34.7'
NP 104	34.4'
NP 103	34.5'
NP 102	35.0'

0 10 20 40
SCALE (FEET)

LEGEND

- EXISTING POWER POLE TO BE REMOVED
- NEW POWER POLE
- EXISTING POWER POLE
- EXISTING POWER LINE
- 100' EXISTING POWER LINE TO BE REMOVED
- 100' NEW POWER LINE
- APPROXIMATE. R.O.W.
- SLACK
- OVERHEAD GUY
- EXISTING ANCHOR
- NEW ANCHOR
- ANCHOR TO BE REMOVED
- TRANSFORMER (XFMR)
- STREET LIGHT

POLE #	POLE TYPE	ANGLE	FRAME UNIT	CONSTRUCTION REQUIRED
EP 100	WOOD			STAYS === WOOD POLE STAYS === OH SECONDARY CONDUCTOR STAYS === STREET LIGHT ASSEMBLY
NP 100 A	STEEL	00 Deg 00 Min		INSTALL === 45' - 3 STEEL POLE INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 103 === 146' X 4 =584'
EP 101	STEEL			STAYS === 45' - STEEL POLE STAYS === (2) OH XFMRS STAYS === OH SECONDARY CONDUCTOR STAYS === OH GUY ASSEMBLY
EP 102	STEEL			STAYS === STEEL POLE STAYS === OH SECONDARY CONDUCTOR
NP 102	STEEL			INSTALL === 35' STEEL COMMUNICATION POLE
RP 102 A	WOOD			REMOVE === WOOD COMMUNICATION POLE
NP 103	STEEL	00 Deg 00 Min		INSTALL === 45' - 3 STEEL POLE INSTALL === (3) - PHASE OH PRIMARY CONDUCTOR TO NP 107 === 226' X 4 = 904'
RP 103 A	WOOD			REMOVE === WOOD POLE REMOVE === SINGLE PHASE OH PRIMARY CONDUCTOR TO RP 107 A === 226' X 2 = 452'
NP 104	STEEL			INSTALL === 35' STEEL POLE INSTALL === GUY/ANCHOR ASSEMBLY
RP 104 A	WOOD			REMOVE === WOOD POLE



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AUGER SIZE GUIDELINES FOR POLE HOLES:

1. 10 Deg STEEL POLE ========== 48" (DIAMETER) AUGER
2. 50' STEEL POLE (SET 10' DEEP) ========== 36" (DIAMETER) AUGER
3. 6" MINIMUM WIDTH AROUND OUTSIDE OF POLE DIAMETER ======== CONCRETE ENCASED NOTATION

*** STANDARD POLE HOLE DEPTH == 10 % x Pole Length + 2' == (EXAMPLE: = 50' Pole (In Length) x 10% = 5' + 2' = 7' Deep Hole)

STATE OF TEXAS
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5/11/2013

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REV NO / REV BY	ISSUE DATE 03/11/2013
SCALE 1" = 20'	TECH M. E. BURCH
PAGE 7 OF 12	REV #

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POLE #	POLE TYPE	ANGLE	FRAME UNT	CONSTRUCTION REQUIRED
NP 105	STEEL			INSTALL === 35' STEEL POLE INSTALL === STREET LIGHT ASSEMBLY INSTALL === OH SECONDARY FROM RP 105 A
RP 105 A	WOOD			REMOVE === WOOD POLE REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 105 REMOVE === STREET LIGHT ASSEMBLY
NP 106	STEEL			INSTALL === 45' - 3 STEEL POLE INSTALL ===OH SECONDARY CONDUCTOR FROM RP 106 A
RP 106 A	WOOD			REMOVE === WOOD POLE REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 106
NP 107	STEEL	00 Deg 00 Min		INSTALL === 45' - 3 STEEL POLE INSTALL === GUY/ANCHOR ASSEMBLY INSTALL === OH SECONDARY CONDUCTOR FROM RP 107 A INSTALL === OH XFMR INSTALL === (3) - PHASE OH (1/0 ACSR)PRIMARY CONDUCTOR TO NP 108 === 153' X 4 = 612'
RP 107 A	WOOD			REMOVE === WOOD POLE REMOVE === GUY/ANCHOR ASSEMBLY REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 107 REMOVE === OH XFMR REMOVE === SINGLE PHASE OH PRIMARY CONDUCTOR TO RP 108 A === 153' X 2 = 306'
NP 108	STEEL	00 Deg 00 Min		INSTALL === 45' - 3 STEEL POLE INSTALL === OH SECONDARY CONDUCTOR FROM RP 108 A INSTALL === EXISTING OH PRIMARY CONDUCTOR TAP FROM RP 108 A INSTALL === (3) - PHASE OH (1/0 ACSR) PRIMARY CONDUCTOR TO NP 113 === 213' X 4 =852
RP 108 A	WOOD			REMOVE === WOOD POLE REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 108 REMOVE === SINGLE PHASE OH PRIMARY CONDUCTOR TO RP 113 A === 213' X 2 = 426'
NP 108 A	STEEL			INSTALL === 30' STEEL POLE INSTALL === OH SECONDARY CONDUCTOR FROM RP 108 B INSTALL === METER ASSEMBLY FROM RP 108 B
RP 108 B	WOOD			REMOVE === WOOD POLE REMOVE === METER ASSEMBLY AND MOVE TO NP 108 A REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 108 A

LEGEND

- EXISTING POWER POLE TO BE REMOVED
- NEW POWER POLE
- EXISTING POWER POLE
- EXISTING POWER LINE
- 100' EXISTING POWER LINE TO BE REMOVED
- 100' NEW POWER LINE
- APPROXIMATE. R.O.W.
- SLACK
- OVERHEAD GUY
- EXISTING ANCHOR
- NEW ANCHOR
- ANCHOR TO BE REMOVED
- TRANSFORMER (XFMR)
- STREET LIGHT

0 10 20 40
SCALE (FEET)

NEW POLE	EDGE OF PAVEMENT
NP 105	34.9'
NP 107	34.3'
NP 106	34.5'
NP 108	34.3'
NP 108A	30.8'
NP 109	35.0'
NP 113	34.3'
NP 116	30.2'

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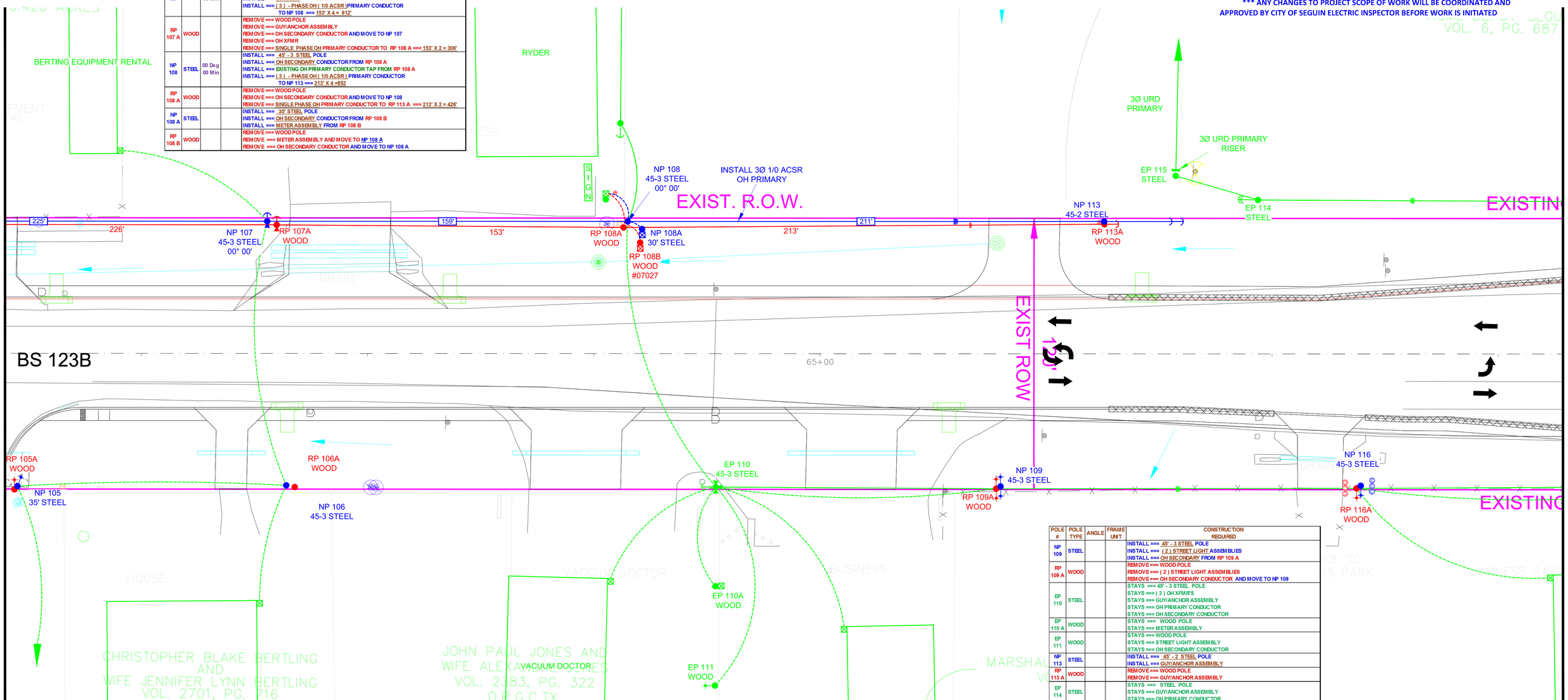

POLE #	POLE TYPE	ANGLE	FRAME UNT	CONSTRUCTION REQUIRED
NP 109	STEEL			INSTALL === 45' - 3 STEEL POLE INSTALL === (2) STREET LIGHT ASSEMBLIES INSTALL === OH SECONDARY FROM RP 109 A
RP 109 A	WOOD			REMOVE === WOOD POLE REMOVE === (2) STREET LIGHT ASSEMBLIES REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 109
EP 110	STEEL			STAYS === 45' - 3 STEEL POLE STAYS === (3) OH XFMR'S STAYS === GUY/ANCHOR ASSEMBLY STAYS === OH PRIMARY CONDUCTOR STAYS === OH SECONDARY CONDUCTOR
EP 110 A	WOOD			STAYS === WOOD POLE STAYS === METER ASSEMBLY
EP 111	WOOD			STAYS ===WOOD POLE STAYS === STREET LIGHT ASSEMBLY STAYS === OH SECONDARY CONDUCTOR
NP 113	STEEL			INSTALL === 45' - 2 STEEL POLE INSTALL === GUY/ANCHOR ASSEMBLY
RP 113 A	WOOD			REMOVE ===WOOD POLE REMOVE ===GUY/ANCHOR ASSEMBLY
EP 114	STEEL			STAYS === STEEL POLE STAYS ===GUY/ANCHOR ASSEMBLY STAYS ===OH PRIMARY CONDUCTOR
EP 115	STEEL			STAYS === STEEL POLE STAYS ===3-PHASE UD PRIMARY RISER
NP 116	STEEL			INSTALL === 45' - 3 STEEL POLE INSTALL === STREET LIGHT ASSEMBLY INSTALL ===OH SECONDARY FROM RP 116 A INSTALL ===3-PHASE PRIMARY EQUIPMENT INSTALL ===EXISTING 3-PHASE OH PRIMARY CONDUCTOR FROM RP 116 A
RP 116 A	WOOD			REMOVE ===WOOD POLE REMOVE ===STREET LIGHT ASSEMBLY REMOVE ===3-PHASE OVERHEAD PRIMARY EQUIPMENT REMOVE ===OH SECONDARY CONDUCTOR AND MOVE TO NP 116 REMOVE ===EXISTING OH PRIMARY CONDUCTOR AND MOVE TO NP 116

AUGER SIZE GUIDELINES FOR POLE HOLES:

1. 10 Deg STEEL POLE ========== 48" (DIAMETER) AUGER
2. 50' STEEL POLE (SET 10' DEEP) ========== 36" (DIAMETER) AUGER
3. 6" MINIMUM WIDTH AROUND OUTSIDE OF POLE DIAMETER ======== CONCRETE ENCASED NOTATION

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4/21/2014

PROJ TITLE / LOCATION	BUS 123 TO SEIDEMAN
REV NO / REV BY	RESUB DATE 03/11/2013
SCALE 1" = 20'	TECH M. E. BURCH
PAGE 8 OF 12	REV #

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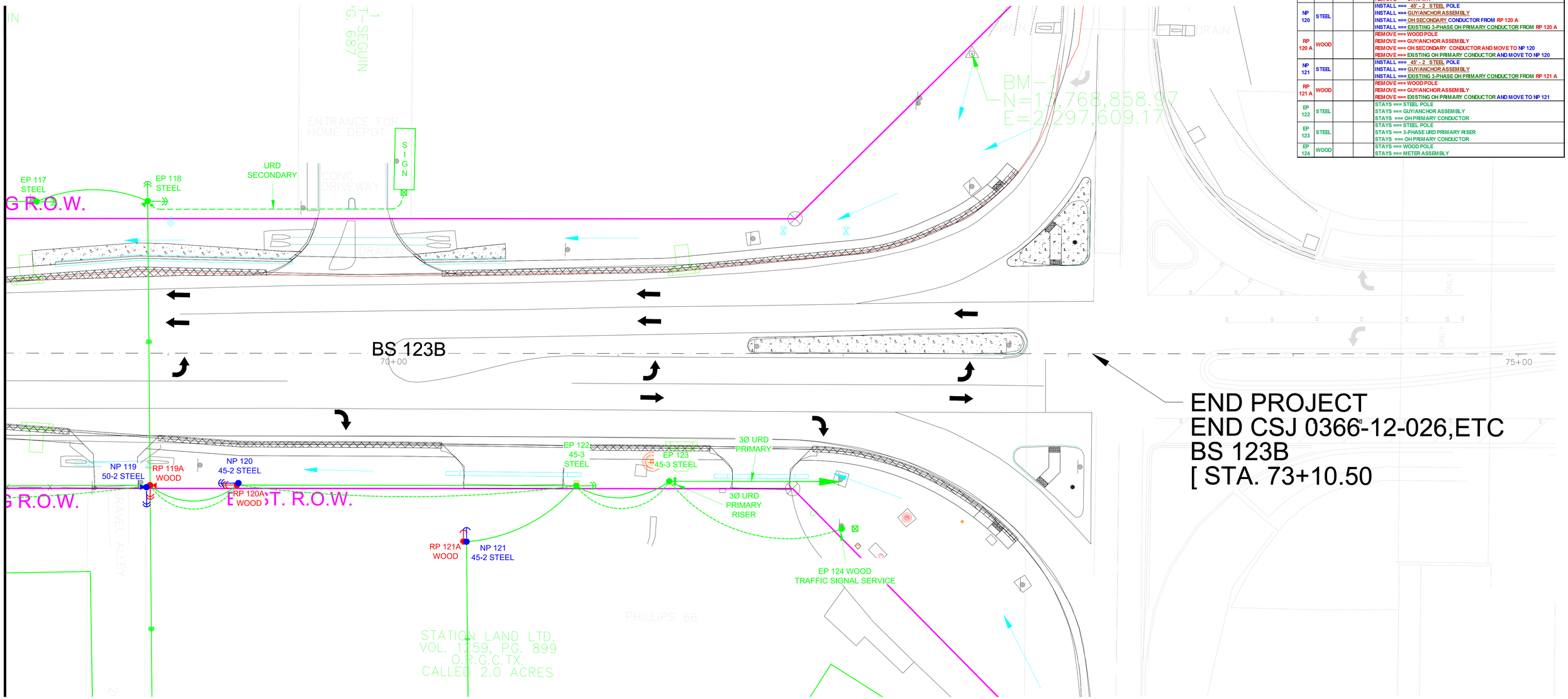
0 10 20 40
SCALE (FEET)

NEW POLE	EDGE OF PAVEMENT
NP 119	22.9'
NP 120	18.1'
NP 121	42.5'

LEGEND

- EXISTING POWER POLE TO BE REMOVED
- NEW POWER POLE
- EXISTING POWER POLE
- EXISTING POWER LINE
- 100' EXISTING POWER LINE TO BE REMOVED
- 100' NEW POWER LINE
- APPROXIMATE. R.O.W.
- SLACK
- OVERHEAD GUY
- EXISTING ANCHOR
- NEW ANCHOR
- ANCHOR TO BE REMOVED
- TRANSFORMER (XFMR)
- STREET LIGHT

POLE #	POLE TYPE	ANGLE	FRAME UNIT	CONSTRUCTION REQUIRED
EP 117	STEEL			STAYS === STEEL POLE STAYS === GUY/ANCHOR ASSEMBLY STAYS === OH PRIMARY CONDUCTOR
EP 118	STEEL			STAYS === STEEL POLE STAYS === GUY/ANCHOR ASSEMBLY STAYS === OH PRIMARY CONDUCTOR STAYS === OH XFMR STAYS === URD SECONDARY RISER
NP 119	STEEL			INSTALL === 50' - 2 STEEL POLE INSTALL === GUY/ANCHOR ASSEMBLY INSTALL ===OH SECONDARY CONDUCTOR FROM RP 119 A INSTALL === OH XFMR INSTALL === EXISTING OH PRIMARY CONDUCTOR FROM RP 119 A
RP 119 A	WOOD			REMOVE === WOOD POLE REMOVE === GUY/ANCHOR ASSEMBLY REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 119 REMOVE === OH XFMR
NP 120	STEEL			INSTALL === 45' - 2 STEEL POLE INSTALL === GUY/ANCHOR ASSEMBLY INSTALL === OH SECONDARY CONDUCTOR FROM RP 120 A INSTALL === EXISTING 3-PHASE OH PRIMARY CONDUCTOR FROM RP 120 A
RP 120 A	WOOD			REMOVE === WOOD POLE REMOVE === GUY/ANCHOR ASSEMBLY REMOVE === OH SECONDARY CONDUCTOR AND MOVE TO NP 120 REMOVE === EXISTING OH PRIMARY CONDUCTOR AND MOVE TO NP 120
NP 121	STEEL			INSTALL === 45' - 2 STEEL POLE INSTALL === GUY/ANCHOR ASSEMBLY INSTALL === EXISTING 3-PHASE OH PRIMARY CONDUCTOR FROM RP 121 A
RP 121 A	WOOD			REMOVE === WOOD POLE REMOVE === GUY/ANCHOR ASSEMBLY REMOVE === EXISTING OH PRIMARY CONDUCTOR AND MOVE TO NP 121
EP 122	STEEL			STAYS === STEEL POLE STAYS === GUY/ANCHOR ASSEMBLY STAYS === OH PRIMARY CONDUCTOR
EP 123	STEEL			STAYS === STEEL POLE STAYS === 3-PHASE URD PRIMARY RISER STAYS === OH PRIMARY CONDUCTOR
EP 124	WOOD			STAYS === WOOD POLE STAYS === METER ASSEMBLY



AUGER SIZE GUIDELINES FOR POLE HOLES:

1. 10 Deg STEEL POLE ========== 48" (DIAMETER) AUGER
2. 50' STEEL POLE (SET 10' DEEP) ========== 36" (DIAMETER) AUGER
3. 6" MINIMUM WIDTH AROUND OUTSIDE OF POLE DIAMETER ======== CONCRETE ENCASED NOTATION

*** STANDARD POLE HOLE DEPTH == 10 % x Pole Length + 2' == (EXAMPLE: = 50' Pole (In Length) x 10% = 5' + 2' = 7' Deep Hole)

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PAGE 9 OF 12	REV #

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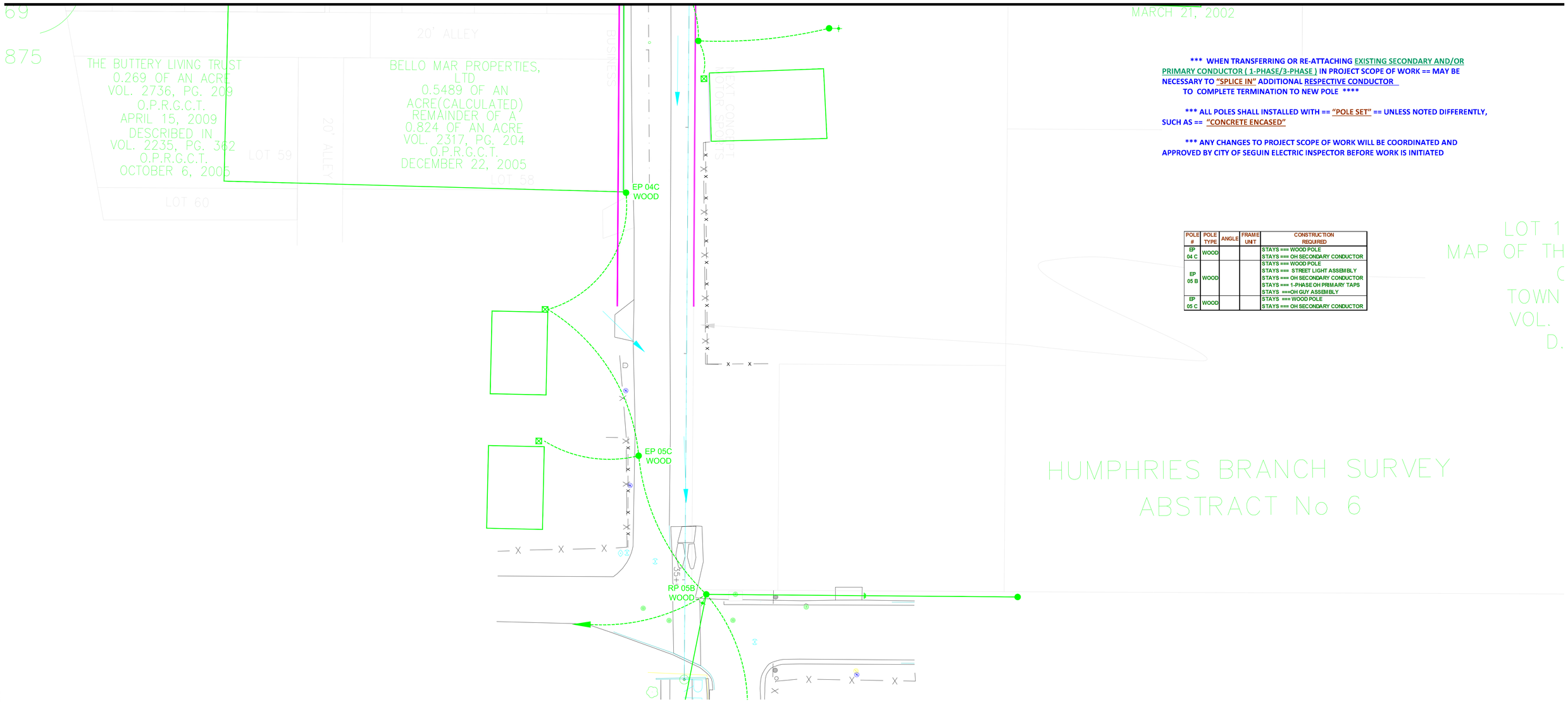
LEGEND

- EXISTING POWER POLE TO BE REMOVED
- NEW POWER POLE
- EXISTING POWER POLE
- EXISTING POWER LINE
- 100' EXISTING POWER LINE TO BE REMOVED
- 100' NEW POWER LINE
- APPROXIMATE. R.O.W.
- SLACK
- OVERHEAD GUY
- EXISTING ANCHOR
- NEW ANCHOR
- ANCHOR TO BE REMOVED
- TRANSFORMER (XFMR)
- STREET LIGHT

0 10 20 40
SCALE (FEET)

MATCHLINE - FROM SHEET 2



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POLE #	POLE TYPE	ANGLE	FRAME UNIT	CONSTRUCTION REQUIRED
EP 04 C	WOOD			STAYS === WOOD POLE STAYS === OH SECONDARY CONDUCTOR
EP 05 B	WOOD			STAYS === WOOD POLE STAYS === STREET LIGHT ASSEMBLY STAYS === OH SECONDARY CONDUCTOR STAYS == 1-PHASE OH PRIMARY TAPS STAYS ===OH GUY ASSEMBLY
EP 05 C	WOOD			STAYS === WOOD POLE STAYS === OH SECONDARY CONDUCTOR

AUGER SIZE GUIDELINES FOR POLE HOLES:

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2. 50' STEEL POLE (SET 10' DEEP) ========== 36" (DIAMETER) AUGER
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The City of Seguin
816 Fred Byrd Drive Seguin, Texas 78155

PROJ TITLE / LOCATION	BUS 123 TO SEIDEMAN
REV NO / REV BY	ISSUE DATE 03/11/2013
SCALE 1" = 20'	TECH M. E. BURCH
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STATE OF TEXAS
BRIAN SCOTT MEUTH
80648
REGISTERED PROFESSIONAL ENGINEER
3/11/2013

Date: 10/28/2014 3:37 PM User: JUSTIN KRAUSE
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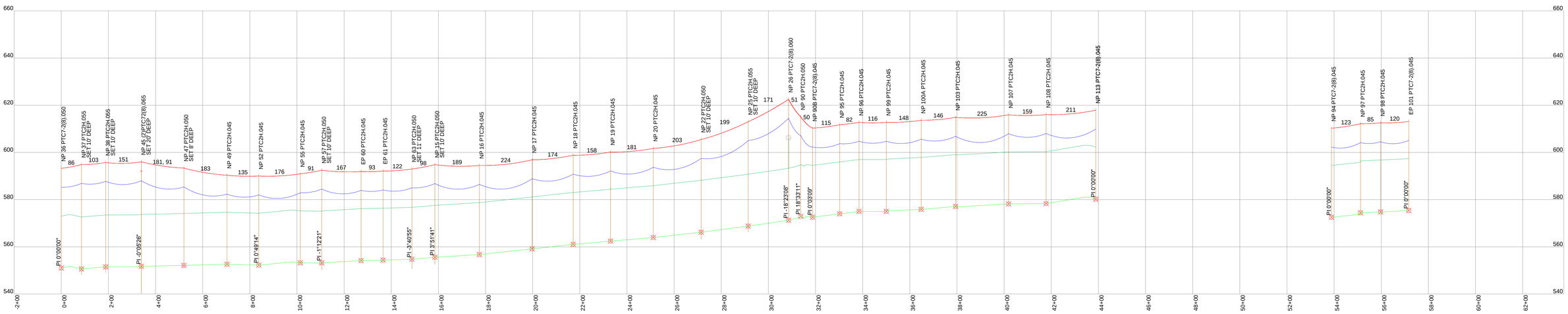
PLS-CADD DRAWING

NP 36 - NP 45, 0KV, LINNET_336_ACSR.WIR, RULING SPAN 123 (FT), TENSION 2664 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 120 DEG F MAX SAG 879 (LBS)
NP 36 - NP 45, 35KV, ARBUTUS_795_AAC.WIR, RULING SPAN 123 (FT), TENSION 1631 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 0 DEG F INITIAL 4264 (LBS)
NP 45 - NP 26, 0KV, 1-0_RAVEN_ACSR.WIR, RULING SPAN 174 (FT), TENSION 854 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 120 DEG F MAX SAG 294 (LBS)
NP 45 - NP 05, 0KV, LINNET_336_ACSR.WIR, RULING SPAN 91 (FT), TENSION 2831 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 120 DEG F MAX SAG 873 (LBS)
NP 45 - NP 26, 35KV, 1-0_RAVEN_ACSR.WIR, RULING SPAN 174 (FT), TENSION 854 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 0 DEG F INITIAL 1310 (LBS)
NP 45 - NP 05, 35KV, ARBUTUS_795_AAC.WIR, RULING SPAN 91 (FT), TENSION 1451 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 0 DEG F INITIAL 4235 (LBS)
NP 26 - NP 90B, 0KV, 1-0_RAVEN_ACSR - SLACK.WIR, RULING SPAN 50 (FT), TENSION 46 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 120 DEG F MAX SAG 39 (LBS)
NP 26 - NP 90B, 35KV, 1-0_RAVEN_ACSR - SLACK.WIR, RULING SPAN 51 (FT), TENSION 46 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 0 DEG F INITIAL 78 (LBS)
NP 90B - NP 113, 0KV, 1-0_RAVEN_ACSR.WIR, RULING SPAN 170 (FT), TENSION 852 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 120 DEG F MAX SAG 291 (LBS)
NP 90B - NP 113, 35KV, 1-0_RAVEN_ACSR.WIR, RULING SPAN 170 (FT), TENSION 852 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 0 DEG F INITIAL 1308 (LBS)
NP 94 - EP 101, 0KV, 1-0_RAVEN_ACSR.WIR, RULING SPAN 113 (FT), TENSION 793 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 120 DEG F MAX SAG 237 (LBS)
NP 94 - EP 101, 35KV, 1-0_RAVEN_ACSR.WIR, RULING SPAN 113 (FT), TENSION 793 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 0 DEG F INITIAL 1262 (LBS)



200.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

*** THE QUANTITIES SHOWN ON THE PLANS AND THE BID DOCUMENTS ARE ESTIMATED QUANTITIES AND BASED ON THE PLAN SET AND TO BE USED FOR BIDDING PURPOSE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL QUANTITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESOLVE ANY PERCEIVED DISCREPANCIES IN THE QUANTITIES WITH THE OWNER PRIOR BEGINNING ANY CONSTRUCTION WORK.

M & S ENGINEERING, LTD.
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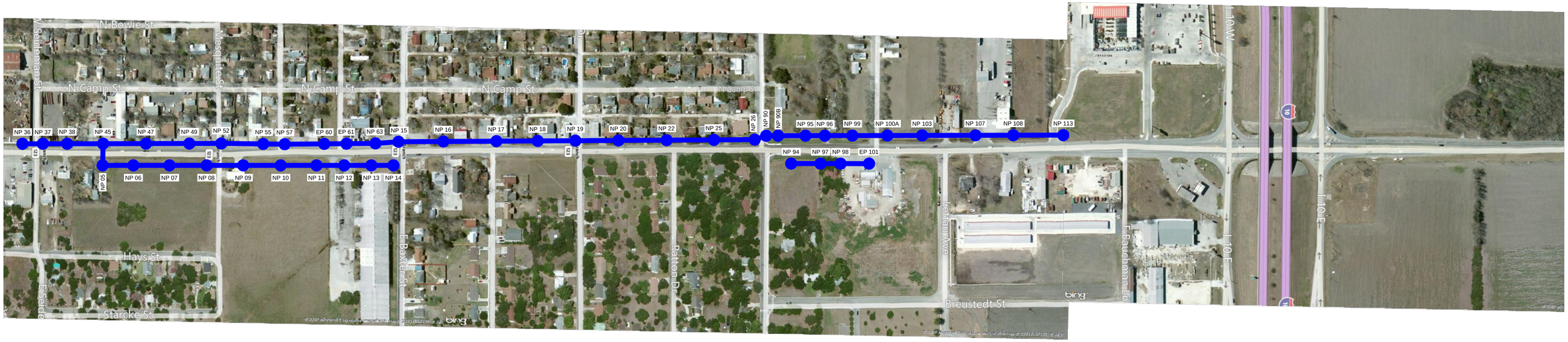
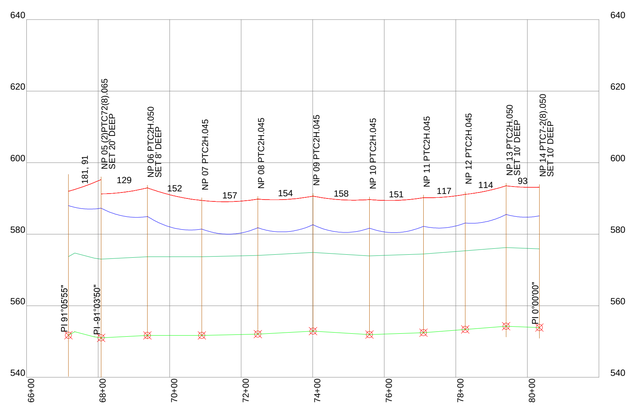


NP 45 - NP 05, 0KV, LINNET_336_ACSR.WIR, RULING SPAN 91 (FT), TENSION 2831 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 120 DEG F MAX SAG 873 (LBS)
NP 45 - NP 05, 35KV, ARBUTUS_795_AAC.WIR, RULING SPAN 91 (FT), TENSION 1451 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 0 DEG F INITIAL 4235 (LBS)
NP 05 - NP 14, 0KV, LINNET_336_ACSR.WIR, RULING SPAN 141 (FT), TENSION 2544 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 120 DEG F MAX SAG 882 (LBS)
NP 05 - NP 14, 35KV, ARBUTUS_795_AAC.WIR, RULING SPAN 141 (FT), TENSION 1720 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 0 DEG F INITIAL 4275 (LBS)



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