

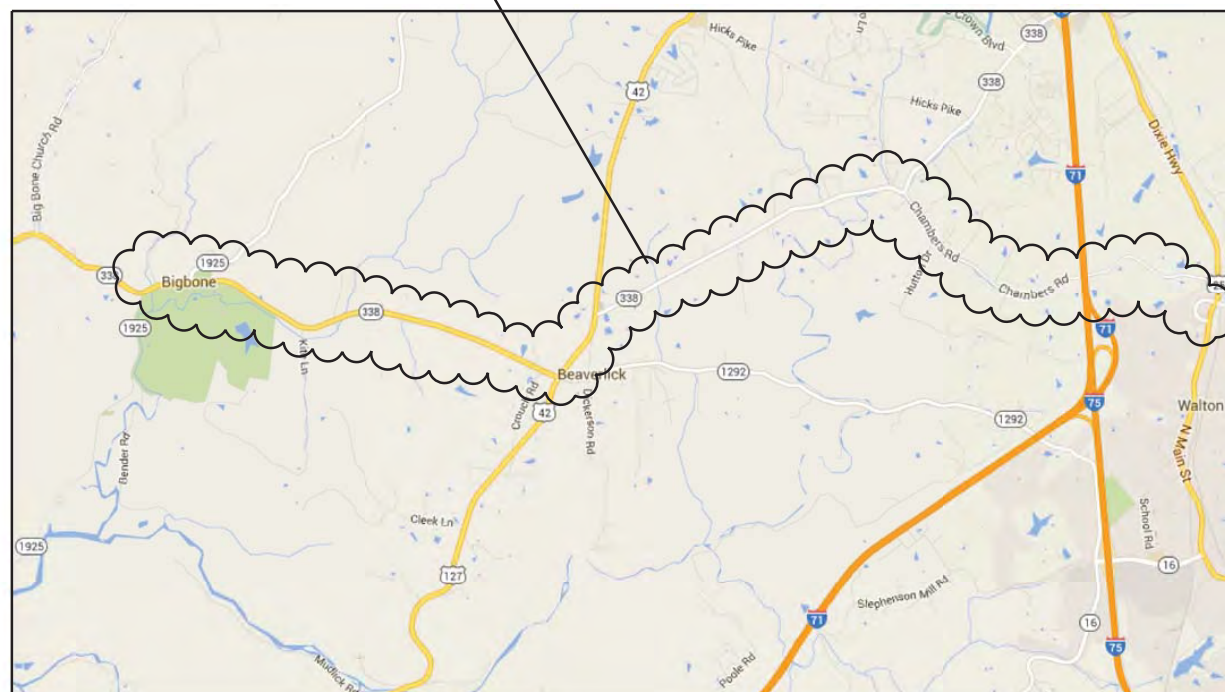
DUKE ENERGY

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT N.T.S.

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CONTACT GAS SYSTEMS OPERATIONS
 SUPERVISOR PRIOR TO STARTING JOB
 TO VERIFY GAS FLOW

AREA OF WORK



REVISIONS:
 REV 1: SEE THE FOLLOWING SHEETS FOR DESCRIPTIONS.
 SHEETS 1, 3, 9, 10, 14, 20, 21, 23, 42 & 43.

REV 2: SEE THE FOLLOWING SHEETS FOR DESCRIPTIONS.
 SHEETS 1, 3, 7, 8, 10, 38 & 41.

LEGEND

	EX. GAS
	CONT. GAS
	PROP. GAS
	ELECTRIC
	ELECTRIC
	TELEPHONE
	UG FIBER
	WATER
	SEWER
	CENTERLINE
	E.O.P.
	R/W
	EASEMENT
	PARCEL
	DITCH LINE
	RETAINING WALL
	SB - SOIL BORE

CONTRACTOR MUST CALL 811
 TWO TO TEN DAYS PRIOR TO
 EXCAVATION DATE TO HAVE
 UNDERGROUND UTILITIES
 MARKED IN THE FIELD.

HYDRO PRESSURE TEST

ALL PIPELINES REQUIRE TESTING BEFORE
 PLACING INTO SERVICE. PRESSURE CHARTS
 AND FORMS SHOULD BE FORWARDED TO GAS
 ENGINEERING AND PLANNING.

REQUIRED TEST PRESSURE RANGE:
 MIN. 750 PSIG TO MAX. 900 PSIG
 HOURS 8 MEDIUM WATER
 TESTED BY _____ DATE _____

CONFORMING TO THE OFFICE OF PIPELINE SAFETY'S REGULATIONS
 (SECTION 152.243, PARAGRAPH F), WELDING FOR PIPELINE
 IS REQUIRED TO MAINTAINED AS A PART OF THE
 PIPELINE'S PERMANENT RECORD.

TO MEET THIS REQUIREMENT, THE INSPECTOR SHOULD IDENTIFY
 EACH WELD OF THIS PIPELINE BY NUMBERING AND LOCATING THE
 WELD ON THE CONSTRUCTION DRAWING AND COMPLETING THE INFORMATION BLOCK BELOW

PIPE SIZE	
TOTAL NO. OF WELDS MADE	
TOTAL NO. OF WELDS X-RAYED	
TOTAL NO. OF WELDS REJECTED	
TOTAL NO. OF WELDS REPAIRED	
TOTAL NO. OF WELDS REPLACED	
WELDS NUMBER AND DISPOSITION (REPAIRED=R; REPLACED=X)	

ALL WELDS MUST BE IN ACCORDANCE WITH COMPANY SPECIFICATION 501.

VICINITY MAP
 N.T.S.

AUTHORIZED
 SEP 25, 2017
 CONSTRUCTION
 DRAWINGS

INSTALLED PIPE & FITTING MAOP VERIFICATION F/L UL57				
TO BE FILLED IN BY MAOP ENGINEER				
SIZE	WALL THICKNESS	GRADE	% SYMS	
1. 12"	.250"	X52	12.3	
2. 12"	.250"	X52	12.3	
3. 6"	.188"	X52	8.2	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	

DESIGN MAOP per class 4 266 psig OPERATING MAOP of line 200 psig
 MIN. Pressure Rating of Valve, Flange or Fitting _____
 I hereby certify that all material installed is rated higher than the
 DESIGN MAOP of this line, and that the material was installed as designed
 unless noted on Material List
 MAOP Engineer Signature _____ Date: _____

S05W04-46	S05W03-39	S05W02-22
S05W04-54	S05W03-40	S05W02-23
S05W04-62	S05W03-46	S05W02-30
S05W04-63	S05W03-47	S05W02-31
S05W03-07	S05W03-54	S05W02-38
S05W03-15	S05W03-61	S05W02-39
S05W03-23	S05W02-05	S05W02-47
S05W03-31	S05W02-13	
S05W03-32	S05W02-14	

SEALED ON: _____

LICENSE EXPIRATION: _____

SIGNATURE _____

WELDING PROCEDURE(S) REQUIRED		PIPE INSTALLED ON JOB			PERMIT(S) REQUIRED BOONE COUNTY	
100% XRAY	SPEC. #	SIZE	KIND	WALL THICKNESS	EST. QUANTITIES	ACTUAL QUANTITIES
100% XRAY	SPEC. #501-4	12"	SWPC X52	0.250"	46716'	
% XRAY	SPEC. #	12"	SWPC X52 (POWERCRETE)	0.250"	3499'	
% XRAY	SPEC. #	6"	SWPC X52	0.188"	534'	
% XRAY	SPEC. #					
% XRAY	SPEC. #					
TOTAL ACTUAL INSTALLED						

UTILITY LOCATION CONTACTS

TELEPHONE: 1-800-752-6007
 ELECTRIC: 1-800-752-6007
 SAN. SEWER: 1-859-341-2700
 STORM SEWER: 1-859-341-2700
 WATER: 1-859-991-5104
 CABLE T.V.: 1-800-752-6007
 MUNICIPALITY: _____
 BOONE COUNTY: 1-859-334-3600

GAS CONTACTS

CONSTRUCTION: _____
 MATT WEBER
 513-310-9881
 ENGINEERING SPONSOR:
 JOHN PERKINS
 (W) 513-287-1276
 (C) 513-315-8338

SYSTEM OPERATION SUPERVISOR VALVES AND NUMBERS REVIEWED	DESIGN REVIEW OF COMPLETED CONSTRUCTION JOB	CORROSION ENGINEERING	TEST CONN. PER STANDARD 7.7.1
REVIEWED BY _____ DATE _____	SPONSOR _____ DATE _____ FIELD CHANGE REQUEST DOCUMENT REQUIRED: YES <input type="checkbox"/> NO <input type="checkbox"/>	APPR. BY: _____ COATING TYPE _____ INSPECTION: VISUAL <input type="checkbox"/> JEEP <input type="checkbox"/> TYPE PATCH MATERIAL _____ CONDITION OF PIPE COATING WHEN DELIVERED TO JOB: GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR <input type="checkbox"/> INSULATION CHECKED <input type="checkbox"/> NO. CHECKED _____	NO. PROPOSED _____ NO. INSTALLED _____ NO. TESTED OK (P/S INDICATOR) _____ PLASTIC SEPARATIONS INSTALLED <input type="checkbox"/> CONTINUITY OF COUPLINGS CHECKED <input type="checkbox"/> CASING CHECKED FOR SHORT <input type="checkbox"/>
VALVES THAT HAVE BEEN ABANDONED AND BOX REMOVED	TRANSMISSION DESIGN DOCUMENT REQUIRED: YES <input type="checkbox"/> NO <input type="checkbox"/>	FIELD PRESSURE TEST	SUPERVISOR BLOCK
UL03-0003 _____ _____ _____ _____ _____ _____ _____ _____ _____ _____		ALL PIPELINES REQUIRED TESTING BEFORE PLACING INTO SERVICE. PRESSURE CHARTS AND FORMS SHOULD BE FORWARDED TO GAS ENGINEERING AND PLANNING REQUIRED TEST PRESSURE RANGE: MIN. 190 PSIG TO MAX. 220 PSIG HOURS 24 MEDIUM AIR TESTED BY _____ DATE _____	SUPERVISOR OR CONTRACTOR _____ RECORDED BY _____ DATE STARTED _____ DATE PLACED IN SERVICE _____ DATE COMPLETED _____ PERMIT NO. _____

PROJECT ACTIVITY		BIG BONE		DRAWN	ENE	09-25-17
INSTALLATION	R2190	I		CHECKED	DK/EK	09-25-17
ABANDONMENT	R2190	X		APPROVED	JP	
RENEW SERVICE M-C	MCNEWPI0	I		CLOSED BY		
RENEW SERVICE C-M	CMNEWPI0	I		EST. FOOTAGE	50749'	
RELOCATE METER	GMSMOVE	X				
MAP NO. S 0 5 W 0 2 - 4 7		DRAWING NO. 8 2 0 5 8 0 4				

GAS DEPARTMENT
DUKE ENERGY
ERLANGER DISTRICT

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N.T.S.

NOT USED

REVISIONS

SEPTEMBER 25, 2017

MAIN MATERIAL LIST				
ITEM	DESCRIPTION	STOCK NO.	EST	ACTUAL
AS3	VALVE BOX & LID, 12.5IN WD X 15.5IN DP, CAST IRON	0050057269	6	
BOX12	VALVE BOX ASSEMBLY, INCLUDES BASE FOR 12" MAIN, ADJUSTABLE 4" DIA RISER, CI RIM & LID	50122170	6	
EL133	ELL, WELD, 45 DEG., (1.5D), 12" IPS, GR Y52, 0.250" WALL	1542704	123	
EL132	ELL, WELD, 90 DEG., (1.5D), 12" IPS, GR Y52, 0.250" WALL (STD)	1542698	4	
EL129	ELL, WELD, 90 DEG., L.R. (1.5D), 12" IPS, GR Y52, 0.375" WALL W/ENDS TAPERED TO 0.250" WALL, SEGMENTABLE	1544102	54	
F14	LINE STOPPER, STEEL, WELD, SPLIT TEE, 12IN, ANSI 300 FLANGE FACE, 740PSIG CLASS LOCATION 1 - 3, 605PSIG CLASS LOCATION 4, INCLUDES PLUG AND FLANGE KIT	0050057592	2	
MPOST	MARKER, POST, WARNING FOR DUKE ENERGY NATURAL GAS PIPELINE, YELLOW PE W/ ANCHOR, TEXT PER OPS RULE 192.707(D)	0050128880	100	
P94	PIPE, SWPC, 12IN IPS, GR X52, 0.250" WALL (SCH 20), 14-16MILS FBE COATING	1532954	46716'	
P104	PIPE, SWPC, 12IN IPS, GR X52, 0.250" WALL (SCH 20), 14-16MILS FBE UNDER 60mils of POWERCRETE COATING	1537467	3499'	
P86	PIPE, SWPC, 6IN IPS, Gr X52, 0.188" wall, Epoxy Coated	1525827	534'	
TE113	TEE, PIPE, WELD, 12IN RUN (0.250" WALL) x 6IN BRANCH (0.188" WALL), Gr Y52, W/ PIG BAR	1544216	1	
TE114	TEE, PIPE, WELD, 12IN IPS, Gr Y52, 0.250" WALL, W/PIG BARS	1544231	3	
VA139	VALVE, BALL, FULL PORT, STEEL, WELD X WELD, 12IN, 300psig, TRUNNION, WELDED BODY, 18IN PUP PIECES EACH END (CAMERON)	1543499	6	
BO9	BOX, VALVE, 15-1/2IN LG, CAST IRON TOP SECTION (UPPER CENTER), F/ 5-1/4" SHAFT X	0050057322	111	
	LID, SHAFT, 5-1/4IN DIA, CAST IRON, WITH A 3/8IN HOLE DRILLED IN LID, MARKED GAS	0050057324	111	
WE07	4" BUTT WELDOLET	050058134	13	
VA26	VALVE, GATE, FLEX WEDGE, NON-RISING, STEEL, BW X FL, 4IN IPS, 720psig, LONG ENDS	050057963	13	
FL29	4" SLIP ON FLANGE, ANSI 300, 740PSIG	000520150	26	
P03	4" SWPC PIPE	050105451	260'	
EL03	4" 90 DEG WELD ELL	050057539	13	
FL24	4" BLIND FLANGE, ANSI 300, 740PSIG	000520132	13	
AS3	VALVE BOX & LID, 12" X 15" OPENING, CAST IRON	050057269	26	
4BLOW	1/2" x 4" EXTRA HEAVY NIPPLE	050056853	13	
	1/2" KERO NEEDLE VALVE, FPT, 1000PSIG	050057250	13	
	1/2" SCREW PLUG	050056888	13	
	1/2" THREDOLET	050057189	13	
GA09	GASKET, RING, COMPRESSED SHEET, 4IN, ANSI 300 FLANGE, 4-1/2IN ID x 7IN OD, 1/16IN THK	050057690	26	
SB04	STUD BOLTS & NUTS, F/ 4IN ANSI 300 FLANGE, 3/4" DIA. x 4.75" L	050057289	208	

REVISIONS

REVISION 2: UPDATED ELBOW QUANTITIES PER NEW RUNNING LINE.
REVISION 1: UPDATED PIPE QUANTITIES AND ADDED VALVE BLOW-OFF BOM.

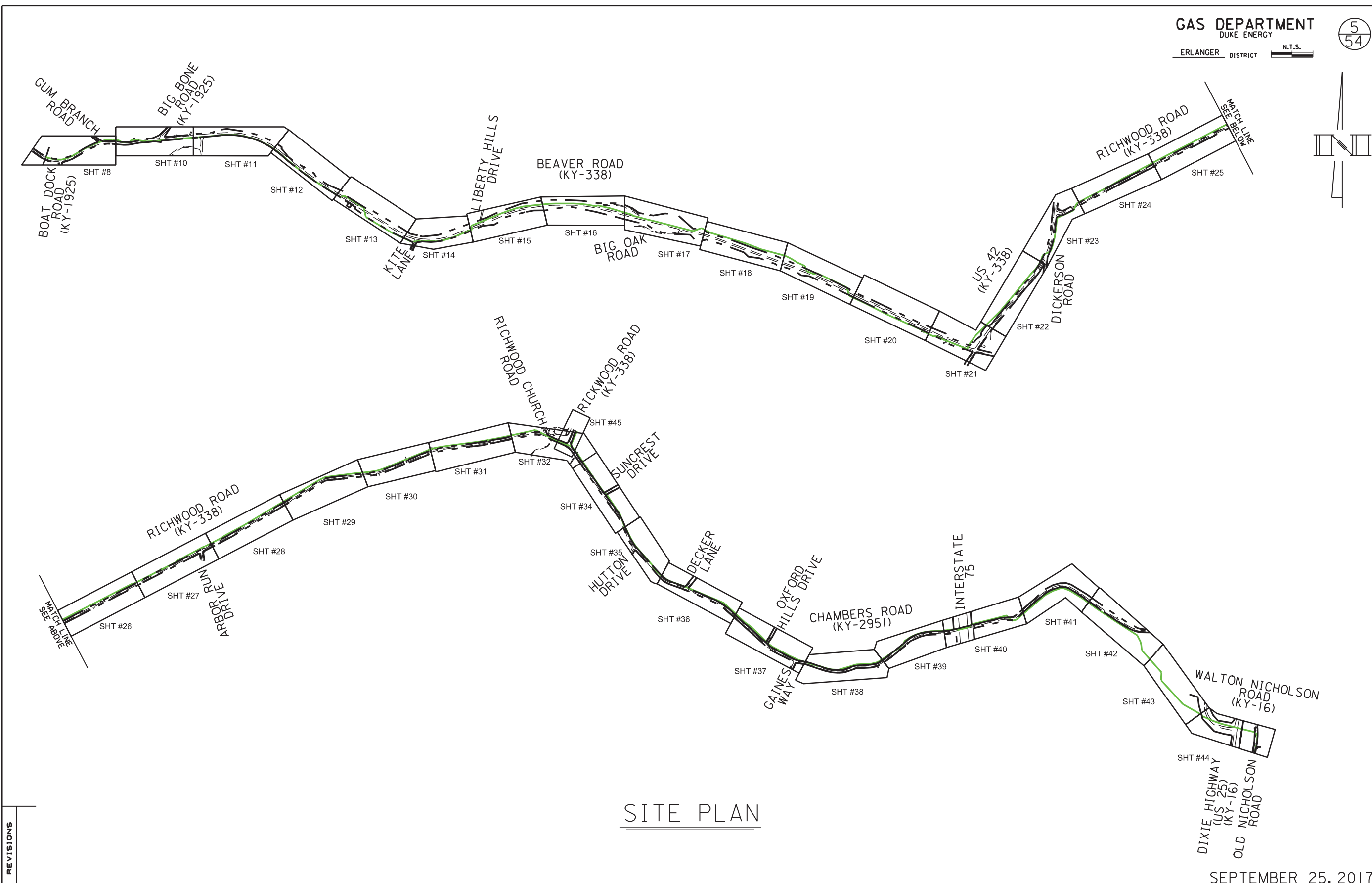
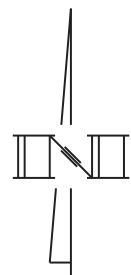
SEPTEMBER 25, 2017

GAS DEPARTMENT
DUKE ENERGY

ERLANGER DISTRICT

N.T.S.

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SITE PLAN

SEPTEMBER 25, 2017

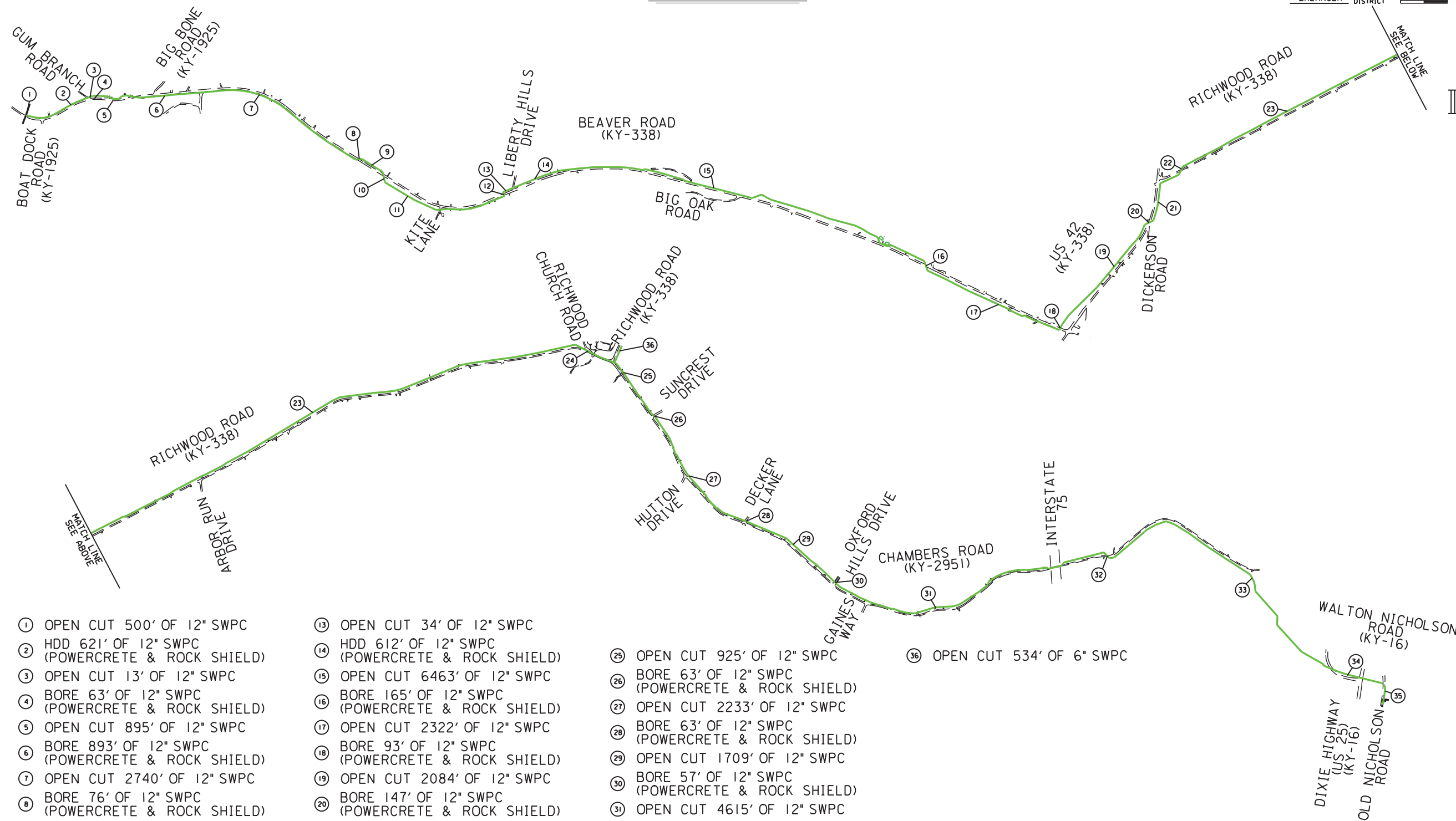
REVISIONS

PIPE SHEET

GAS DEPARTMENT
 DUKE ENERGY

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ERLANGER DISTRICT N.T.S.



- REVISIONS
- ① OPEN CUT 500' OF 12" SWPC
 - ② HDD 621' OF 12" SWPC (POWERCRETE & ROCK SHIELD)
 - ③ OPEN CUT 13' OF 12" SWPC
 - ④ BORE 63' OF 12" SWPC (POWERCRETE & ROCK SHIELD)
 - ⑤ OPEN CUT 895' OF 12" SWPC
 - ⑥ BORE 893' OF 12" SWPC (POWERCRETE & ROCK SHIELD)
 - ⑦ OPEN CUT 2740' OF 12" SWPC
 - ⑧ BORE 76' OF 12" SWPC (POWERCRETE & ROCK SHIELD)
 - ⑨ OPEN CUT 403' OF 12" SWPC
 - ⑩ BORE 171' OF 12" SWPC (POWERCRETE & ROCK SHIELD)
 - ⑪ OPEN CUT 2063' OF 12" SWPC
 - ⑫ BORE 65' OF 12" SWPC (POWERCRETE & ROCK SHIELD)

- ⑬ OPEN CUT 34' OF 12" SWPC
- ⑭ HDD 612' OF 12" SWPC (POWERCRETE & ROCK SHIELD)
- ⑮ OPEN CUT 6463' OF 12" SWPC
- ⑯ BORE 165' OF 12" SWPC (POWERCRETE & ROCK SHIELD)
- ⑰ OPEN CUT 2322' OF 12" SWPC
- ⑱ BORE 93' OF 12" SWPC (POWERCRETE & ROCK SHIELD)
- ⑲ OPEN CUT 2084' OF 12" SWPC
- ⑳ BORE 147' OF 12" SWPC (POWERCRETE & ROCK SHIELD)
- ㉑ OPEN CUT 965' OF 12" SWPC
- ㉒ BORE 117' OF 12" SWPC (POWERCRETE & ROCK SHIELD)
- ㉓ OPEN CUT 12278' OF 12" SWPC
- ㉔ HDD 818' OF 12" SWPC (POWERCRETE & ROCK SHIELD)

- ㉕ OPEN CUT 925' OF 12" SWPC
- ㉖ BORE 63' OF 12" SWPC (POWERCRETE & ROCK SHIELD)
- ㉗ OPEN CUT 2233' OF 12" SWPC
- ㉘ BORE 63' OF 12" SWPC (POWERCRETE & ROCK SHIELD)
- ㉙ OPEN CUT 1709' OF 12" SWPC
- ㉚ BORE 57' OF 12" SWPC (POWERCRETE & ROCK SHIELD)
- ㉛ OPEN CUT 4615' OF 12" SWPC
- ㉜ BORE 127' OF 12" SWPC (POWERCRETE & ROCK SHIELD)
- ㉝ OPEN CUT 4645' OF 12" SWPC
- ㉞ HDD 993' OF 12" SWPC (POWERCRETE & ROCK SHIELD)
- ㉟ OPEN CUT 211' OF 12" SWPC
- ㊱ OPEN CUT 534' OF 6" SWPC

SEPTEMBER 25, 2017

GAS DEPARTMENT
DUKE ENERGY
ERLANGER DISTRICT

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N.T.S.

Project Parcel #	Primary Owner	Parcel #s	Site Address
6	TAGERT NELLIE FRANCES	031.00-00-019.00	
8	COOPER ROBERT L	031.00-00-016.00	3472 BEAVER RD
16&18	LAWHORN JOHN MARK	031.00-00-018.00	3452 BEAVER RD
27	HAMILTON JOSEPH W & BARBARA	043.00-00-009.00	
92	HUFF JOHN W & VIRGINIA M TRUSTEES	043.00-00-025.00	
94	EVANS ANGELA R	043.00-00-025.05	
96	REID ADAM WEBB	043.00-00-025.02	2282-2290 BEAVER RD
98	GRIPSHOVER ANDREW	043.00-00-025.03	2258 BEAVER RD
100	DURHAM STUART W & PATRICIA M	043.00-00-025.06	
79	MOORE L M JR & RUTH E	054.00-00-062.01	2229 BEAVER RD
81	HUFF JOHN W & VIRGINIA M TRUSTEES	054.00-00-065.00	2205 BEAVER RD
75	BAKER JOHN D AND JANE S	054.00-00-062.00	2093-12311 CROUCH RD
83	DAWALT TIMOTHY W & LINDA K	054.00-00-061.00	12011 CROUCH RD
118	GOODMAN PATRICIA ANN	054.00-00-058.00	
122	STEPHENSON E C II	054.00-00-016.09	
124	KARWATH MICHAEL WALTHER RACHAEL E	054.00-00-016.08	11963 US 42 HWY
126	KELLEY JAMES B & ANN	054.00-00-016.07	11953 US 42 HWY
128	KEETON ERNEST & DARLENE	054.00-00-016.00	
130	KEETON ERNEST & DARLENE	054.00-00-016.05	11941 US 42 HWY
132	PAUL MICHAEL J	054.00-00-016.04	11931 US 42 HWY
134	PAUL MICHAEL J	054.00-00-016.03	11921 US 42 HWY
136	JONES KAZUYO	054.00-00-016.02	11841 US 42 HWY
125	WRIGHT JAMES R	054.00-00-018.00	1937-1973 RICHWOOD RD
146	STONE JUDITH ELAINE	054.00-00-017.00	1934 RICHWOOD RD
150	STEPHENSON JAMES H & GRETA G	054.00-00-019.00	1914 RICHWOOD RD
152	BUDIG GEORGE J FAMILY LIMITED PARTNERS	054.00-00-020.00	1664 RICHWOOD RD
154	HOUSTON PEGGY	054.00-00-021.00	1598-1612 RICHWOOD RD
156	HOUSTON PEGGY	054.00-00-021.01	1590 RICHWOOD RD
154	HOUSTON PEGGY	054.00-00-021.00	1598-1612 RICHWOOD RD
158	HOUSTON PEGGY	065.00-00-029.00	1580 RICHWOOD RD
160	BUDIG GEORGE J FAMILY LIMITED PARTNERS	065.00-00-001.00	1504 RICHWOOD RD
162	BUDIG GEORGE J FAMILY LIMITED PARTNERS	065.00-00-002.00	1438 RICHWOOD RD
164	BUDIG GEORGE J FAMILY LIMITED PARTNERS	065.00-00-003.00	1420 RICHWOOD RD
166	BUDIG GEORGE J FAMILY LIMITED PARTNERS	065.00-00-004.00	1364 RICHWOOD RD
168	BUDIG GEORGE J FAMILY LIMITED PARTNERS	065.00-00-004.01	1322 RICHWOOD RD
170	BUDIG GEORGE J FAMILY LIMITED PARTNERS	065.00-00-005.03	
172	BUDIG GEORGE J FAMILY LIMITED PARTNERS	065.00-00-005.00	1154 RICHWOOD RD
170	BUDIG GEORGE J FAMILY LIMITED PARTNERS	065.00-00-005.03	
174	BUDIG GEORGE J FAMILY LIMITED PARTNERS	065.00-00-006.00	
178	CAID RUSSELL D & RUTH LAVERNE	065.00-00-012.03	
180	WEBER CARROLL R JR & BRENDA JOYCE	065.00-00-010.00	980 CHAMBERS RD
184	BEIERLEIN JEFF T & DORIS J	065.00-00-011.00	974 CHAMBERS RD
186	BERGER JAMES M	065.00-00-012.01	
190	OHARA KENNETH G	065.00-00-014.00	954 CHAMBERS RD

Project Parcel #	Primary Owner	Parcel #s	Site Address
192	KING KENNETH S & MELINDA J	065.00-00-015.00	940 CHAMBERS RD
200	IVEY JULIAN	065.00-05-001.00	926 CHAMBERS RD
202	KISSINGER RONALD	065.00-00-016.00	900 CHAMBERS RD
204	KISSINGER RONALD	065.00-00-017.01	894 CHAMBERS RD
206	GILLUM JAMES M & EMILY E	065.00-00-017.06	872 CHAMBERS RD
208	GUARD THOMAS E	065.00-00-017.00	
210	GUARD THOMAS E	065.00-00-017.02	824 CHAMBERS RD
212	GUARD GREGORY G	065.00-00-017.03	
214	STENGER FRANKLIN A & SHARLA R	065.00-00-017.04	800 CHAMBERS RD
216	COMPTON LARRY R & REEDA C	065.02-02-034.00	790 CHAMBERS RD
218	HAGER MICHAEL R & VICKIE JEAN	065.02-02-033.00	12183 DECKER LN
224	KAHMANN THE PAUL J FAMILY LIMITED PARTNERS	065.00-00-018.00	728 CHAMBERS RD
226	LAMB ANTHONY B	065.00-00-018.13	
230	LAMB ANTHONY B	065.00-00-018.11	710 CHAMBERS RD
232A	OXFORD HILLS SUBDIVISION HOA	065.00-07-000.00	
232	MEADE BRIAN	065.00-07-001.00	11940 OXFORD HILLS RD
236	PIESCHEL WALTER & KATHY	065.00-00-018.03	
238	LAMB SUSAN	065.00-00-018.02	658 CHAMBERS RD
240	JONES ARTHUR & BONITA REVOCABLE LIVING TRUST	065.00-00-018.01	646 CHAMBERS RD
242	HOLLEN JAMES & FAYE	076.00-00-060.03	
244	PERKINS FERN	076.00-00-060.13	
246	GOLDSBERRY FAMILY TRUST	076.00-00-060.00	604 CHAMBERS RD
248	STAMPER ROBERT L AND SUE ELLEN	076.00-00-060.04	588 CHAMBERS RD
250	SMITH STEPHEN K & DONNA E	076.00-00-060.05	530 CHAMBERS RD
252	MIDDENDORF DANIEL	076.00-00-060.11	
254	MIDDENDORF DANIEL J	076.00-00-060.10	510 CHAMBERS RD
256	HOOTEN CHRISTOPHER E & CARRIE A	076.00-00-060.07	500 CHAMBERS RD
258	HOOTEN CHRISTOPHER EDWARD	076.00-00-060.08	500 CHAMBERS RD
260	WORLEY CHARLES D	076.00-00-059.01	490 CHAMBERS RD
262	GREENFIELD FARM INC	076.00-00-059.04	
264	GREENFIELD FARM INC	076.00-00-059.02	
264	GREENFIELD FARM INC	076.00-00-059.02	
223	CHRIS BROOK FARM	077.00-15-001.00	
225	CHRIS BROOK FARM	077.00-15-002.00	
227	CHRIS BROOK FARM	077.00-15-003.00	
225	CHRIS BROOK FARM	077.00-15-002.00	
231	CHRIS BROOK FARM	077.00-15-005.00	
233	CRAIG SHANNON D & JENNIFER J	077.00-00-008.00	12637 DIXIE HWY
241	CITY OF WALTON	077.00-00-045.00	150 OLD NICHOLSON RD
801	ESTATES OF RICHWOOD HOA LLC	065.00-08-000.02	
813	ESTATES OF RICHWOOD HOA LLC	065.00-08-000.01	

REVISIONS

REVISION 2: UPDATED PROPERTY OWNERS PER NEW RUNNING LINE.

SEPTEMBER 25, 2017

GAS DEPARTMENT
DUKE ENERGY

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ERLANGER DISTRICT

DUKE ENERGY EASEMENT

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MATCH LINE SEE SHEET 10

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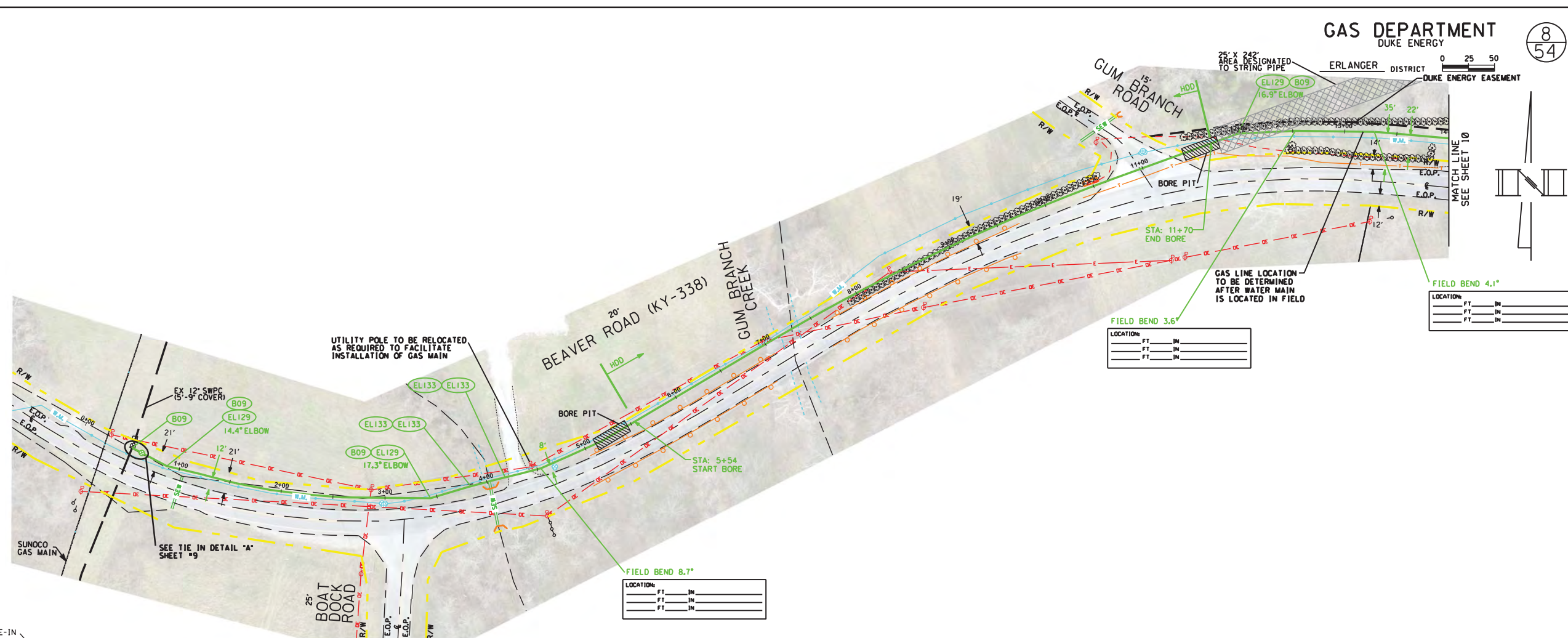
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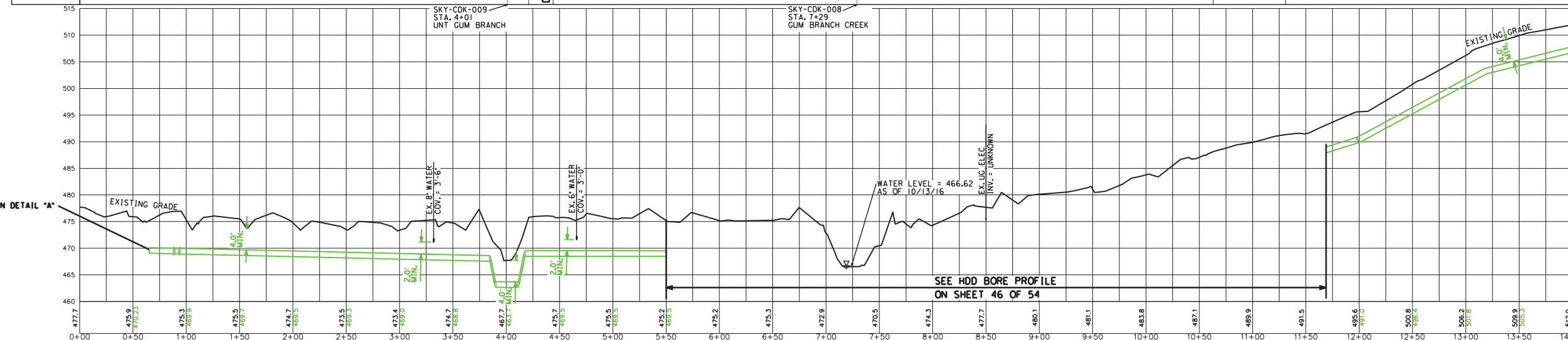
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OWNERSHIP	TIE-IN	KYTC ROW	*6-TAGERT NELLIE FRANCES
PIPE DETAIL	INSTALL - 554'	HDD - 621'	INSTALL - 229'
	12" SWPC X-52 .250" W.T.	12" SWPC X-52 .250" W.T. (POWERCRETE)	12" SWPC X-52 .250" W.T.
SPECIAL CONDITIONS	BRUSH/GRASS	BRUSH/GRASS	ASPHALT / PAVEMENT



REVISION 2: UPDATED RUNNING LINE PER WATER LOCATE EAST OF GUM BRANCH ROAD.

PROFILE VIEW
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=10'

SEPTEMBER 25, 2017

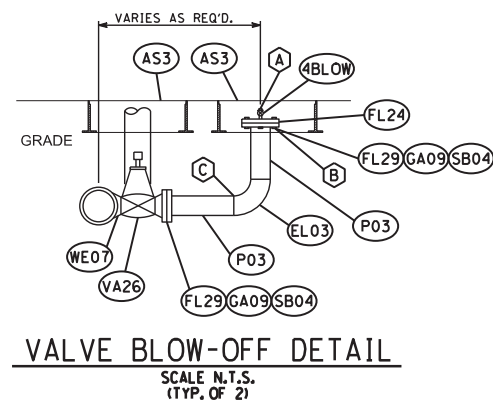
GAS DEPARTMENT
DUKE ENERGY

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54

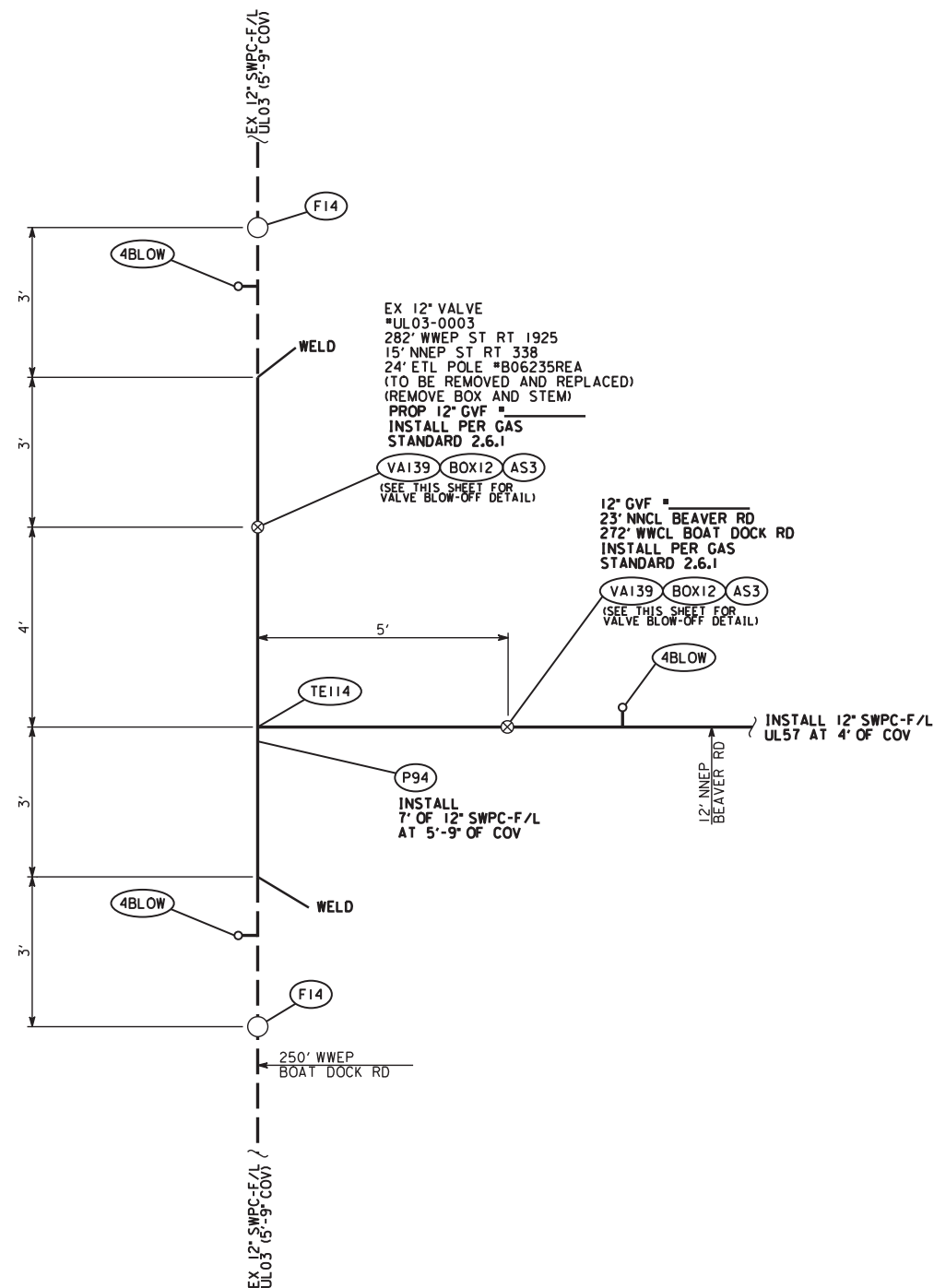
ERLANGER DISTRICT N.T.S.

VALVE # UL03-0039 SIZE 12"
 MANUFACTURER _____
 FIG. # _____ W.O.G./M.O.P. _____
 GATE PLUG OTHER _____
 TURNS TO OPEN _____
 LOCATION:
 _____ FT _____ IN
 _____ FT _____ IN
 _____ FT _____ IN
 BOX PIT COVER AT MAIN _____ FT _____ IN
 PRESSURE STEMS LOCATED N S E W
 REMARKS _____

VALVE # UL03-UL57 SIZE 12"
 MANUFACTURER _____
 FIG. # _____ W.O.G./M.O.P. _____
 GATE PLUG OTHER _____
 TURNS TO OPEN _____
 LOCATION:
 _____ FT _____ IN
 _____ FT _____ IN
 _____ FT _____ IN
 BOX PIT COVER AT MAIN _____ FT _____ IN
 PRESSURE STEMS LOCATED N S E W
 REMARKS _____



- DETAIL NOTES:
- A. TAP 1/2" HOLE THROUGH CENTER OF BLIND FLANGE OR DRILL 1/2" HOLE THROUGH CENTER OF BLIND FLANGE AND WELD 1/2" THREAD-O-LET OVER HOLE. THREAD 1/2" DIA. X 2" LONG EXTRA HEAVY NIPPLE IN BLIND FLANGE OR THREAD-O-LET AND CONNECT NEEDLE VALVE TO OPPOSITE END. TURN VALVE TO THE OFF POSITION AND PLACE PLUG IN THREADED OUTLET OF NEEDLE VALVE.
 - B. TACK WELD STUD NUTS TO BOTTOM SIDE OF FLANGE.
 - C. BLOCKING TO SUPPORT BLOW-OFF MAY BE NECESSARY IN SANDY OR LOOSE SOIL.
 - D. TWO BLOW-OFFS REQUIRED FOR EVERY VALVE, EXCEPT FOR WEST TIE-IN WHERE THERE ARE 3 TOTAL.



DETAIL "A"
N.T.S.
(FROM SHEET 8)

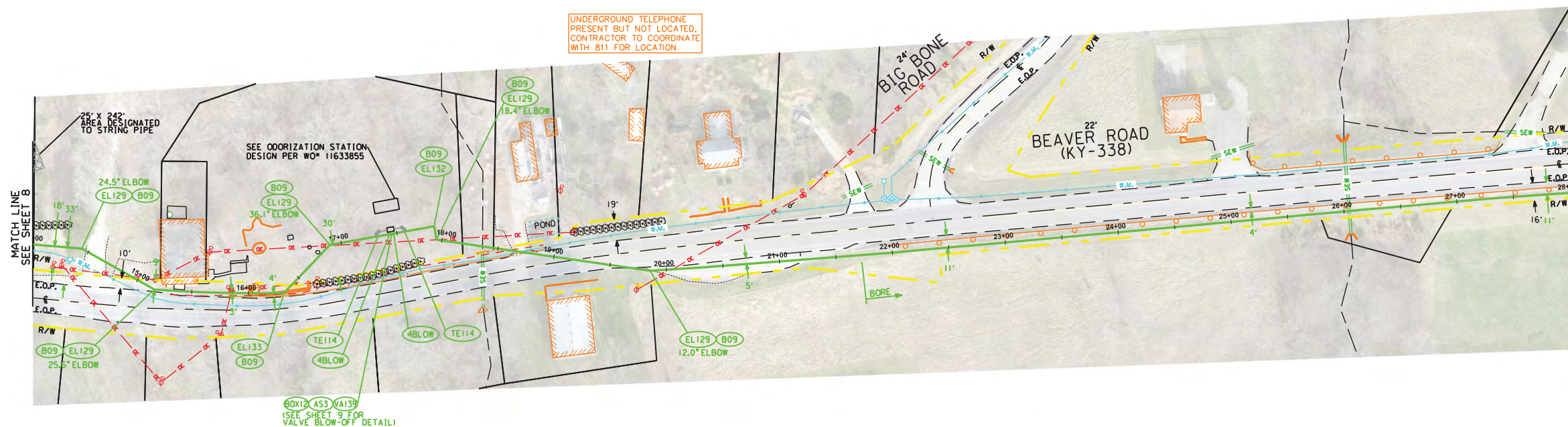
REVISIONS

REVISION 1: REMOVED BOM FOR VALVE BLOW-OFF.

SEPTEMBER 25, 2017

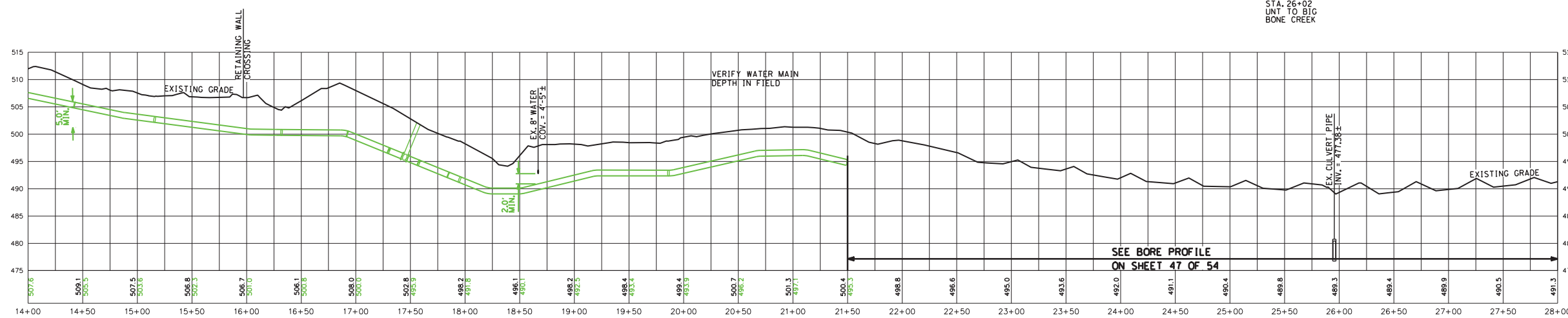
GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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OWNERSHIP	#8-COOPER ROBERT L	← KYTC ROW →	PROPERTY TO BE PURCHASED BY DUKE ENERGY	#16 & #18-LAWHORN JOHN MARK	← KYTC ROW →
PIPE DETAIL	INSTALL - 769' 12" SWPC X-52 .250" W.T.			BORE - 631' 12" SWPC X-52 .250" W.T. (POWERCRETE)	
SPECIAL CONDITIONS	GRAVEL/ DRIVEWAY	BRUSH/GRASS	ASPHALT/ PAVEMENT	GRAVEL	BRUSH/GRASS

SKY-CDK-011
 STA. 26+02
 UNT TO BIG
 BONE CREEK



REVISIONS

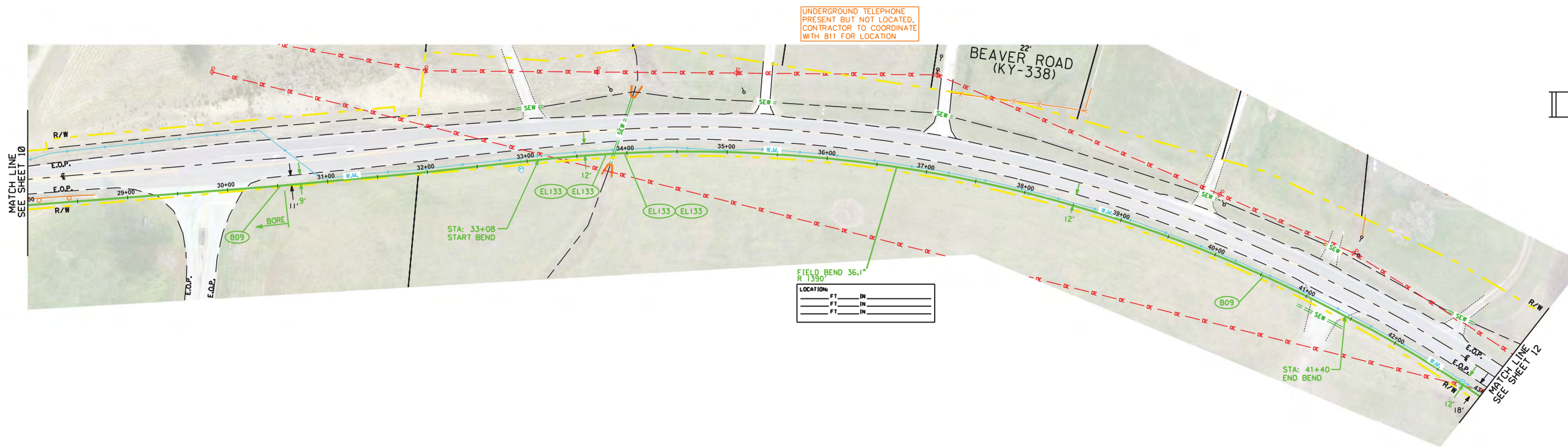
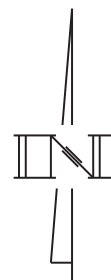
REVISION 2: UPDATED RUNNING LINE AT ODORIZER FOR ROAD CROSSING.
 REVISION 1: CHANGED CROSSING AT STA 20+00 FROM BORE TO OPEN CUT.

PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

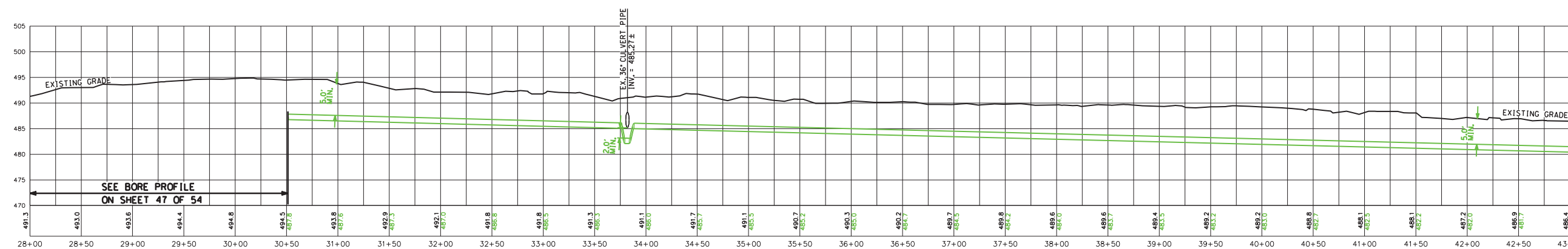
SEPTEMBER 25, 2017

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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OWNERSHIP					← KYTC ROW →		
PIPE DETAIL	BORE - 253'		INSTALL - 1247'				
	12" SWPC X-52 .250" W.T. (POWERCRETE)		12" SWPC X-52 .250" W.T.				
SPECIAL CONDITIONS	BRUSH/GRASS	ASPHALT/PAVEMENT	BRUSH/GRASS			GRAVEL/DRIVEWAY	BRUSH/GRASS



PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

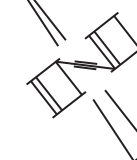
SEPTEMBER 25, 2017

REVISIONS

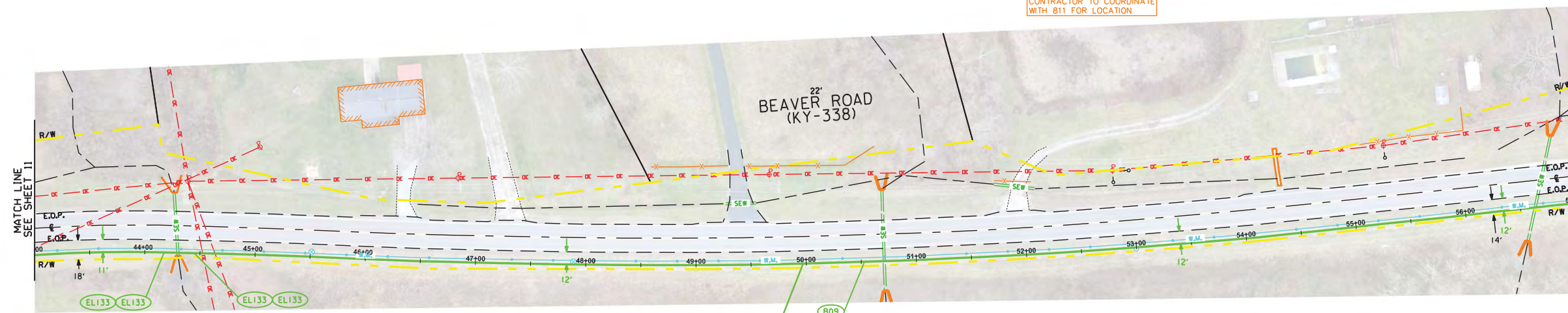
GAS DEPARTMENT
DUKE ENERGY

ERLANGER DISTRICT

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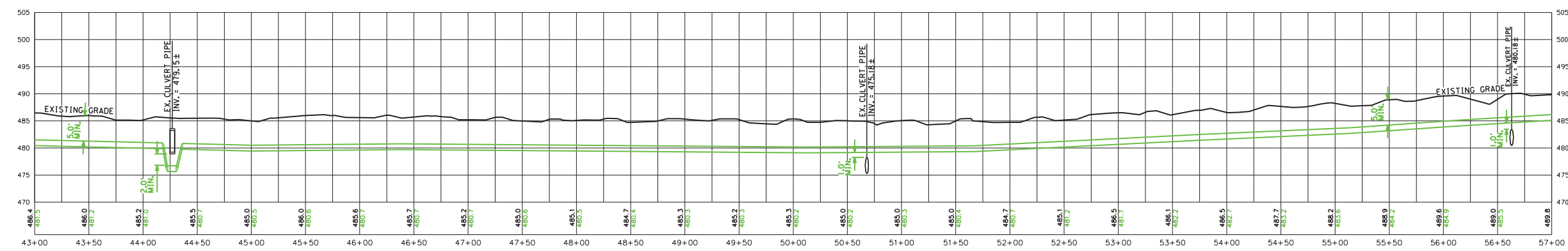


UNDERGROUND TELEPHONE
PRESENT BUT NOT LOCATED.
CONTRACTOR TO COORDINATE
WITH 811 FOR LOCATION



LOCATION:	FT	IN
	FT	IN
	FT	IN

OWNERSHIP	← KYTC ROW →
PIPE DETAIL	INSTALL - 1400' 12" SWPC X-52 .250" W.T.
SPECIAL CONDITIONS	BRUSH/GRASS



PROFILE VIEW
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=10'

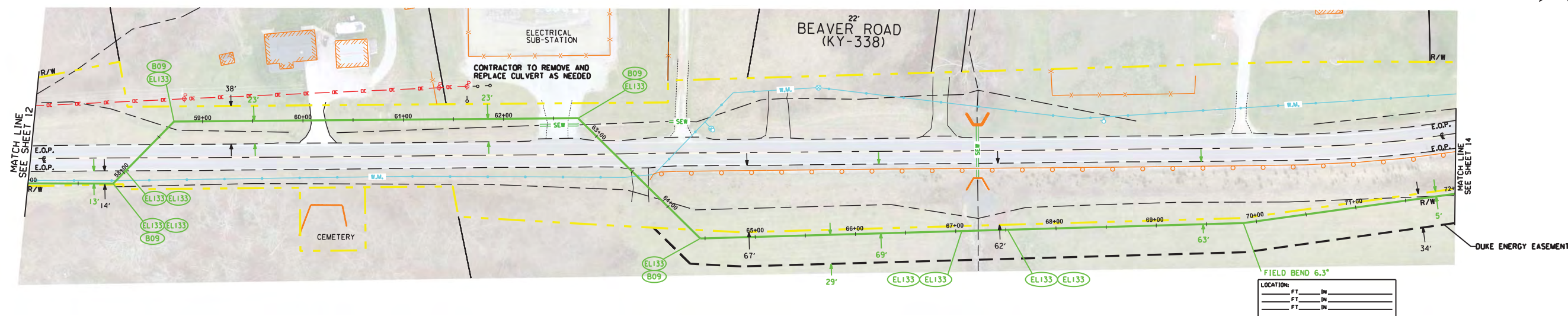
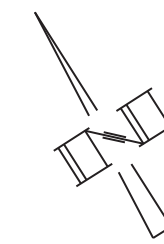
SEPTEMBER 25, 2017

REVISIONS

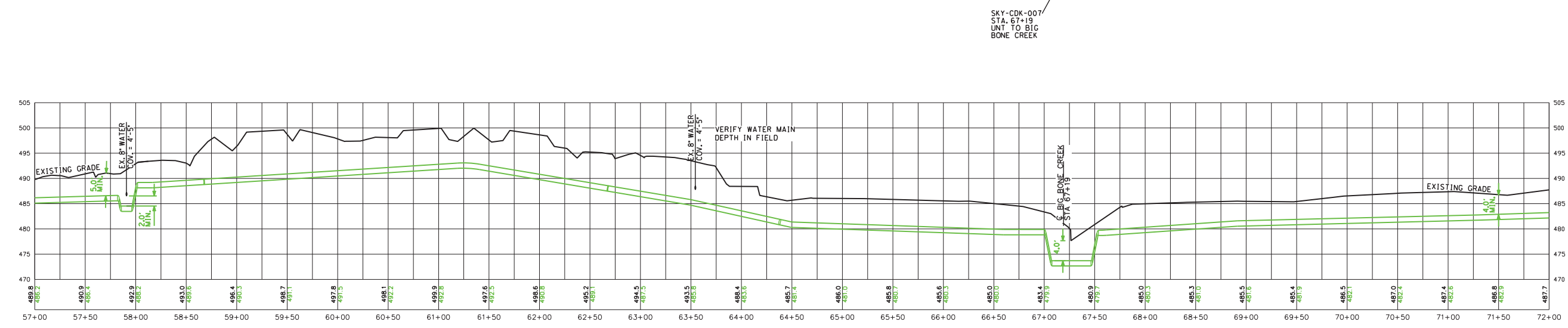
GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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0 25 50



OWNERSHIP	← KYTC ROW →				← *27-HAMILTON JOSEPH W & BARBARA →					
PIPE DETAIL	INSTALL - 1500' 12" SWPC X-52 .250" W.T.									
SPECIAL CONDITIONS	BRUSH/GRASS	ASPHALT/ PAVEMENT	BRUSH/GRASS	CONCRETE/ DRIVEWAY	BRUSH/GRASS	GRAVEL/ DRIVEWAY	BRUSH/ GRASS	ASPHALT/ PAVEMENT	GRASS/ DRIVEWAY	BRUSH/GRASS



REVISIONS

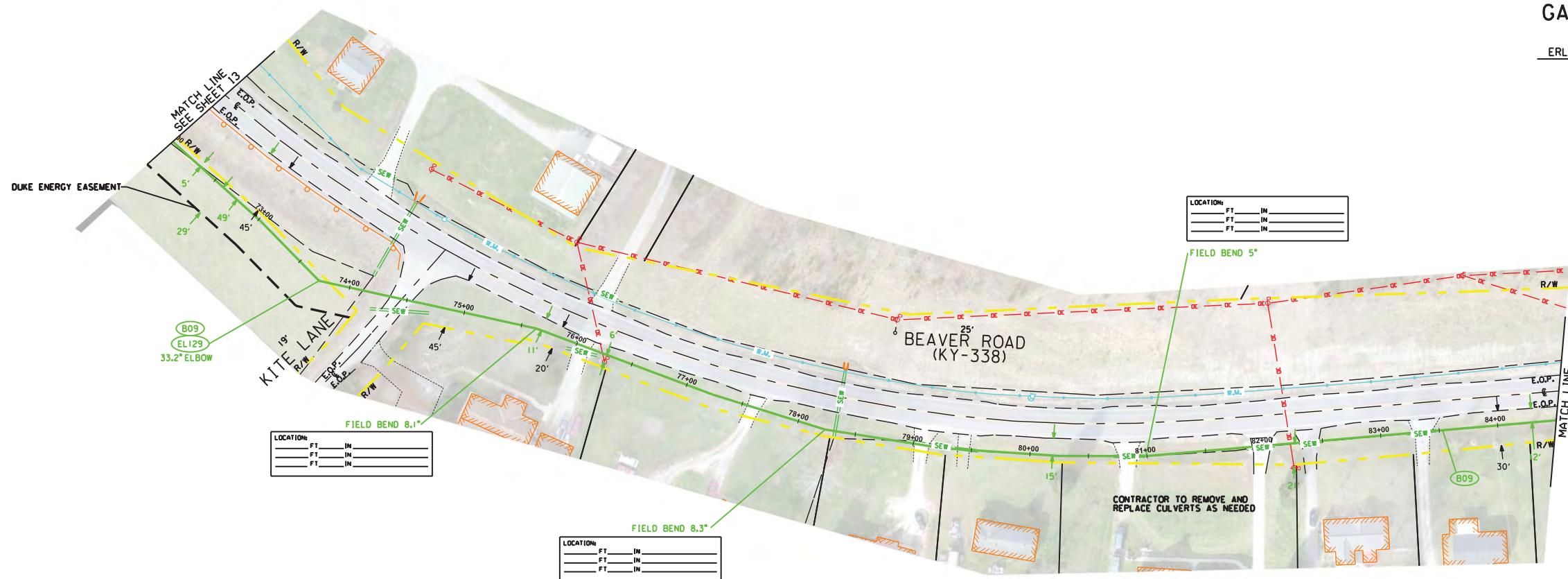
PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

SEPTEMBER 25, 2017

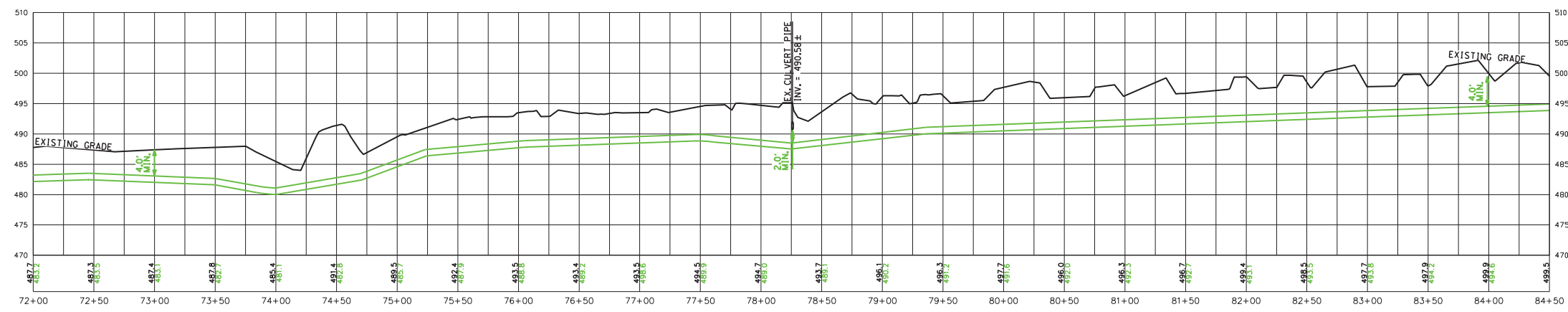
GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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0 25 50



OWNERSHIP	#27-HAMILTON JOSEPH W & BARBARA														
PIPE DETAIL	INSTALL - 1250' 12" SWPC X-52 .250" W.T.														
SPECIAL CONDITIONS	BRUSH/GRASS	ASPHALT/PAVEMENT	BRUSH/GRASS	BRUSH/GRASS	BRUSH/GRASS	BRUSH/GRASS	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS	CONCRETE/DRIVEWAY	BRUSH/GRASS	ASPHALT/DRIVEWAY	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS
			GRAVEL/DRIVEWAY	GRAVEL/DRIVEWAY	GRAVEL/DRIVEWAY	GRAVEL/DRIVEWAY									

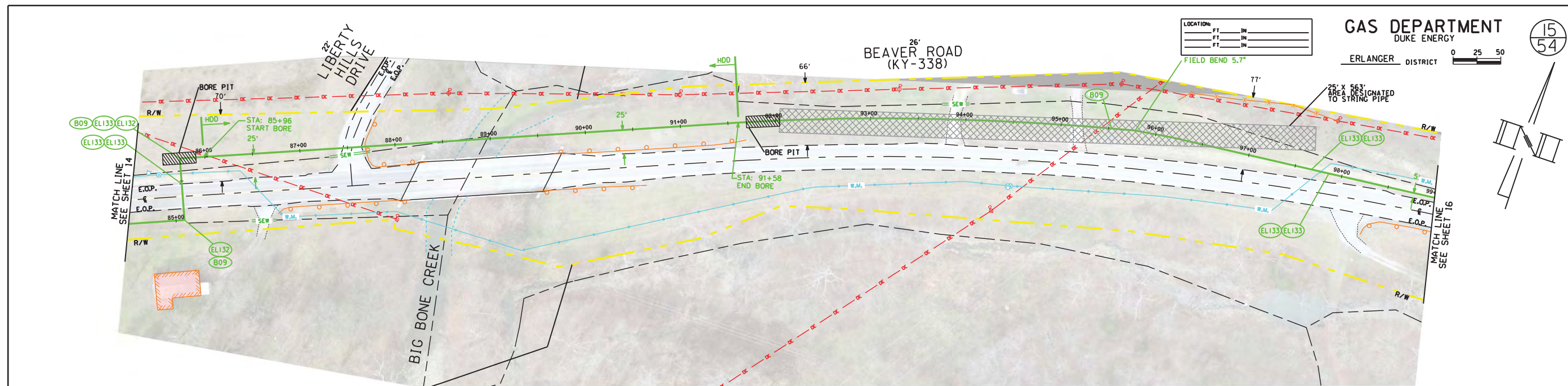


PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50')
 (VERTICAL SCALE: 1"=10')

REVISIONS

REVISION 1: CHANGED CROSSING AT STA 74+40 FROM BORE TO OPEN CUT.

SEPTEMBER 25, 2017



GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

LOCATION: _____
 FT. IN _____
 FT. IN _____

FIELD BEND 5.7°

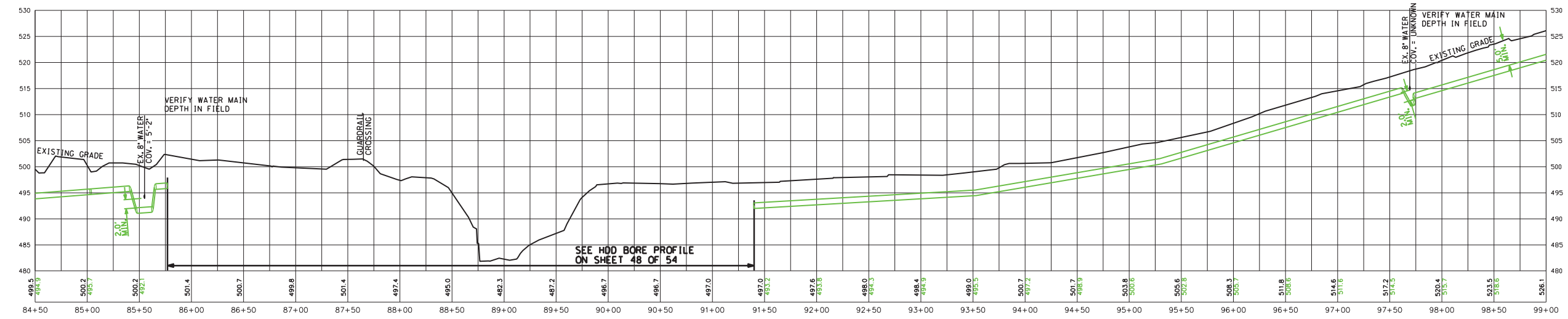
25' X 563' AREA DESIGNATED TO STRING PIPE

0 25 50

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OWNERSHIP	← KYTC ROW →								
PIPE DETAIL	INSTALL - 146' 12" SWPC X-52 .250" W.T.		HDD - 563' 12" SWPC X-52 .250" W.T. (POWERCRETE)				INSTALL - 741' 12" SWPC X-52 .250" W.T.		
SPECIAL CONDITIONS	BRUSH/GRASS	ASPHALT/PAVEMENT	BRUSH/GRASS	ASPHALT/PAVEMENT	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS

SKY-CDK-006
 STA. 88+94
 BIG BONE CREEK



REVISIONS

PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50')
 (VERTICAL SCALE: 1"=10')

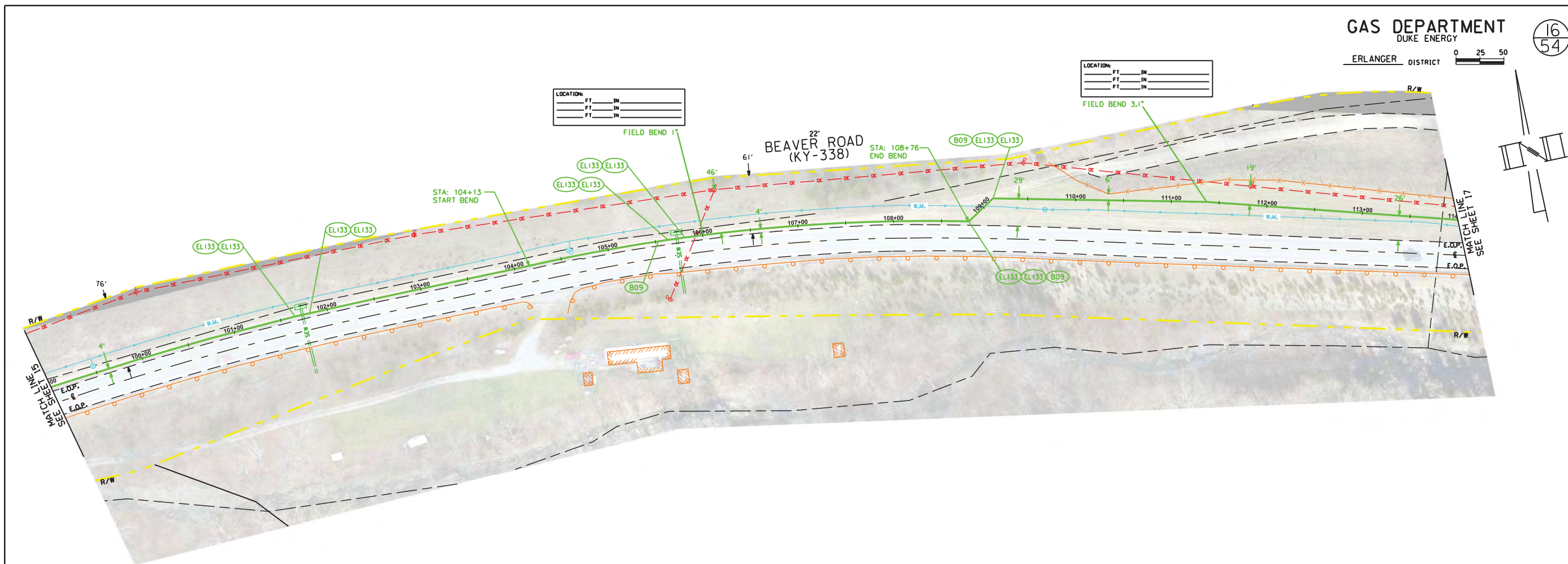
SEPTEMBER 25, 2017

GAS DEPARTMENT
 DUKE ENERGY

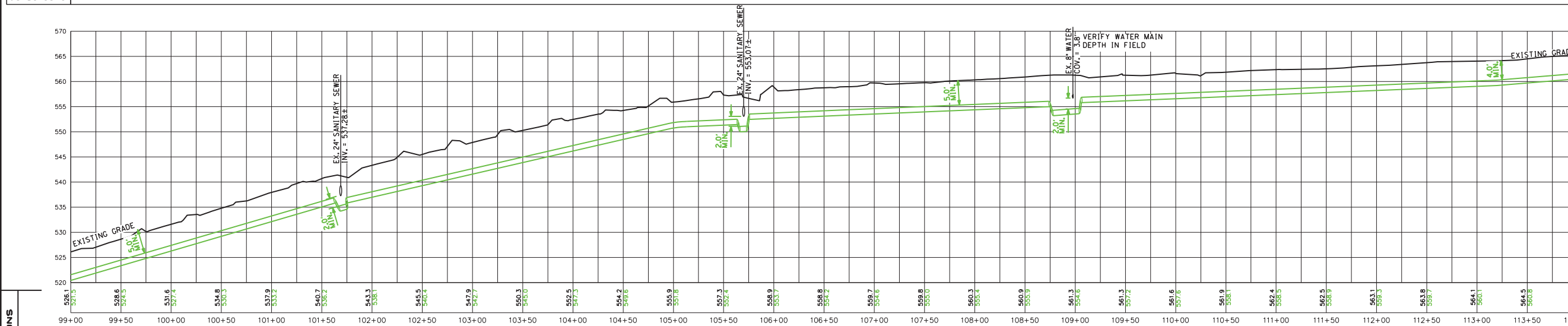
ERLANGER DISTRICT

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0 25 50



OWNERSHIP	← KYTC ROW →
PIPE DETAIL	INSTALL - 1500' 12" SWPC X-52 .250" W.T.
SPECIAL CONDITIONS	BRUSH/GRASS



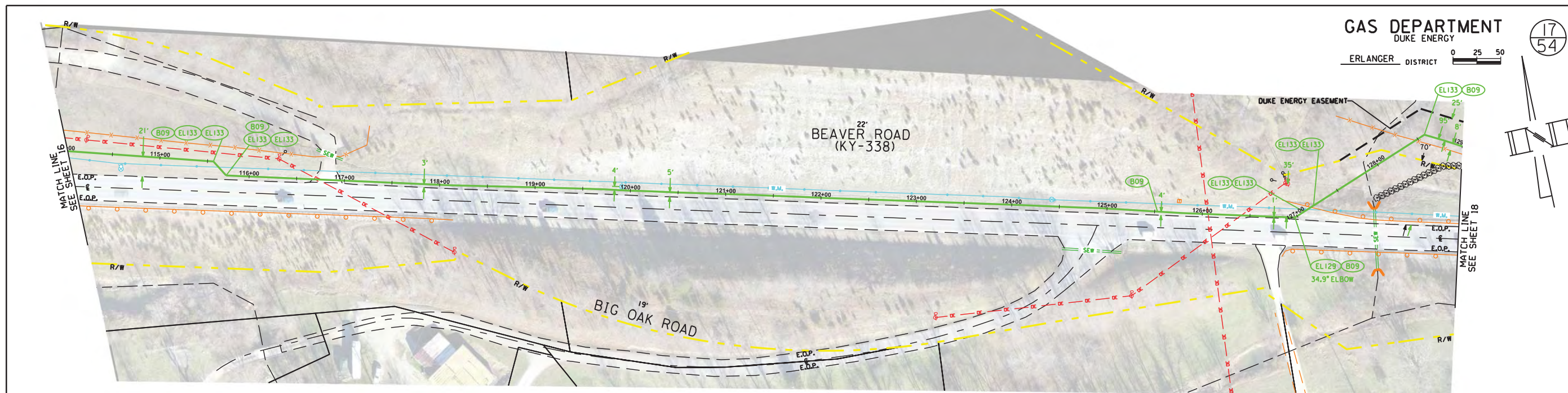
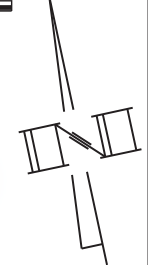
REVISIONS

PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50')
 (VERTICAL SCALE: 1"=10')

SEPTEMBER 25, 2017

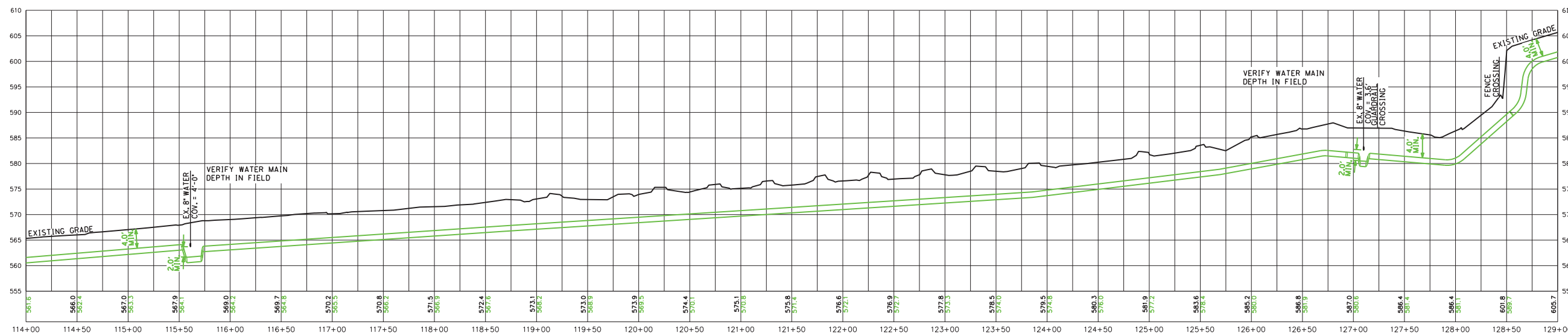
GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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OWNERSHIP	← KYTC ROW →		#92-HUFF JOHN W & VIRGINIA M TRUSTEES
PIPE DETAIL	INSTALL - 1500' 12" SWPC X-52 .250" W.T.		
SPECIAL CONDITIONS	BRUSH/GRASS	ASPHALT / DRIVEWAY	BRUSH/GRASS

SKY-CDK-005
 STA. 127+82
 UNT. TO BIG BONE CREEK



PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50')
 (VERTICAL SCALE: 1"=10')

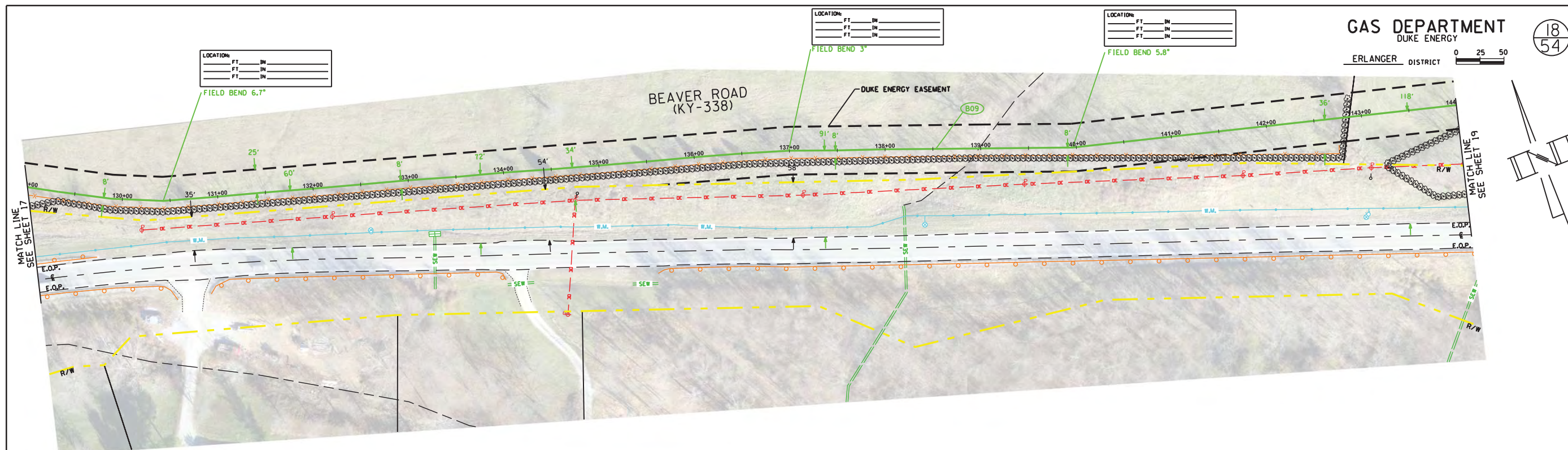
REVISIONS

SEPTEMBER 25, 2017

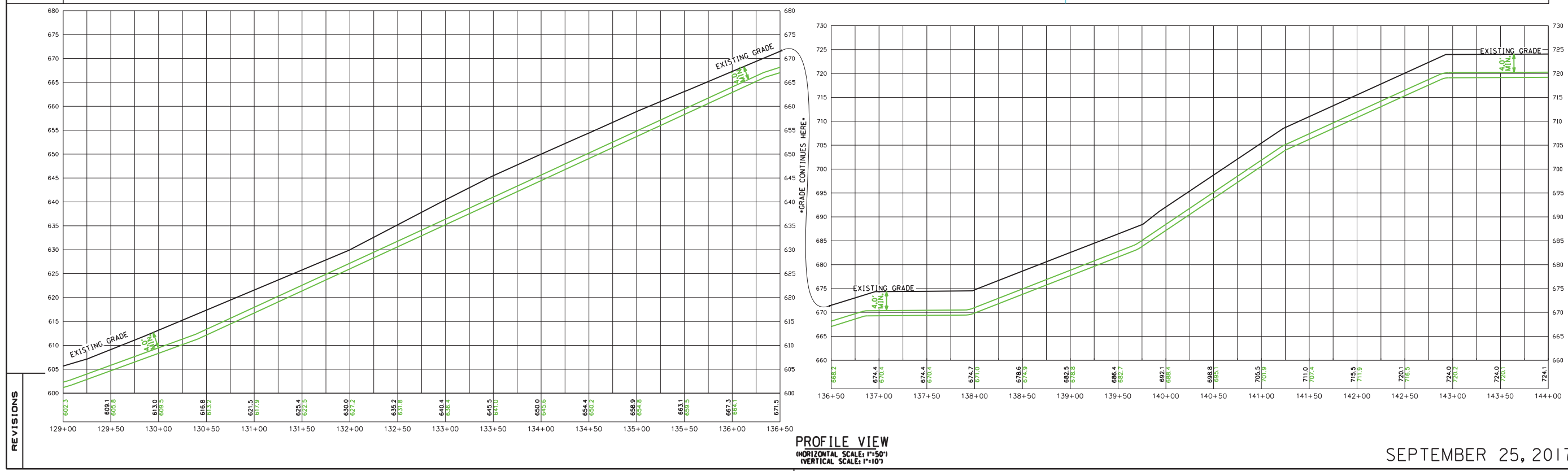
GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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0 25 50



OWNERSHIP	← #92 HUFF JOHN W & VIRGINIA M TRUSTEES →	#94-EVANS ANGELA R
PIPE DETAIL	INSTALL - 1500' 12" SWPC X-52 .250" W.T.	
SPECIAL CONDITIONS	BRUSH/GRASS SKY-CDX-002 STA. 138+95	



PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50')
 (VERTICAL SCALE: 1"=10')

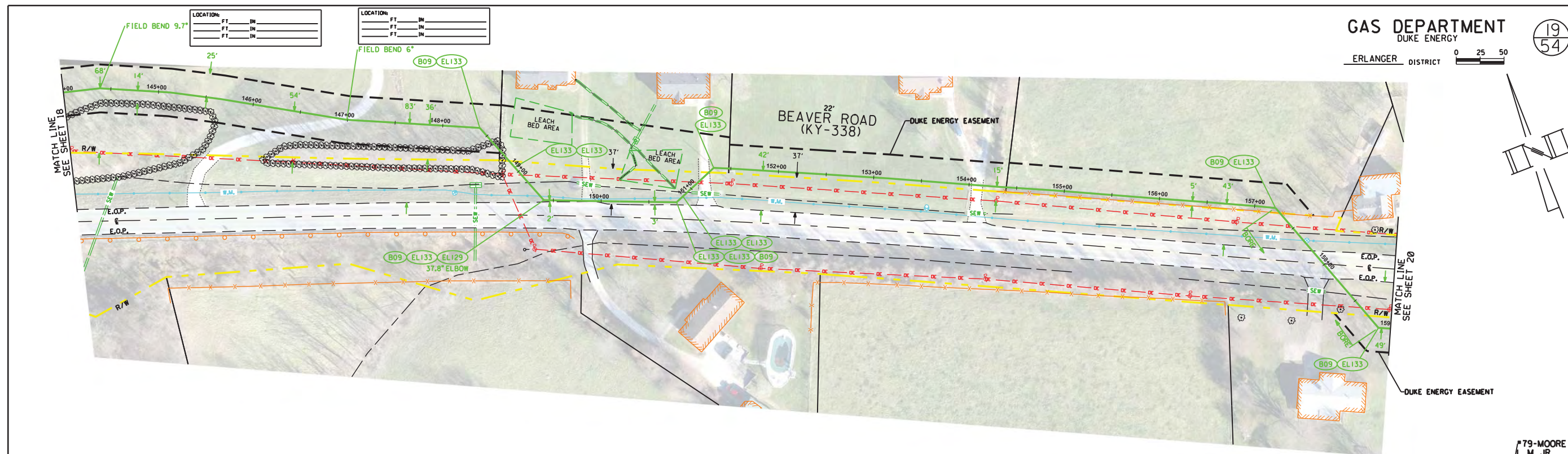
SEPTEMBER 25, 2017

REVISIONS

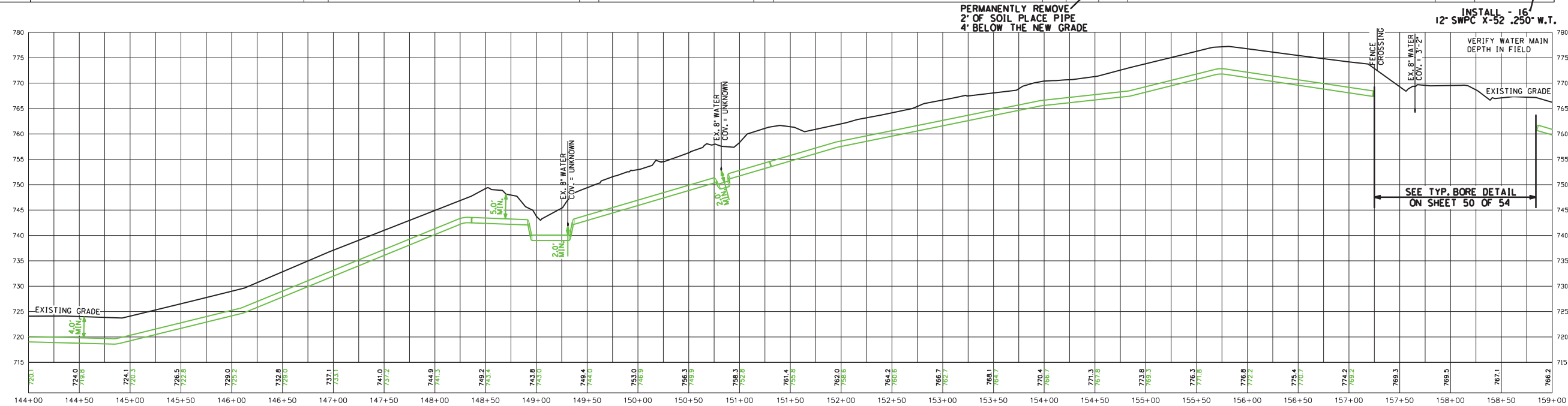
GAS DEPARTMENT
 DUKE ENERGY

ERLANGER DISTRICT

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OWNERSHIP	← *94-EVANS ANGELA R →		← KYTC ROW →		← *96-REID ADAM WEBB →		← *98-GRIPSHOVER ANDREW →		← *100 DURHAM STUART W & PATRICIA M →		← KYTC ROW →		← *79-MOORE L M JR & RUTH E →
PIPE DETAIL	INSTALL - 1319' 12" SWPC X-52 .250" W.T.												
SPECIAL CONDITIONS	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS	GRAVEL/DRIVEWAY	PROPOSED ENTRANCE	BRUSH/GRASS	ASPHALT/PAVEMENT	BRUSH/GRASS	



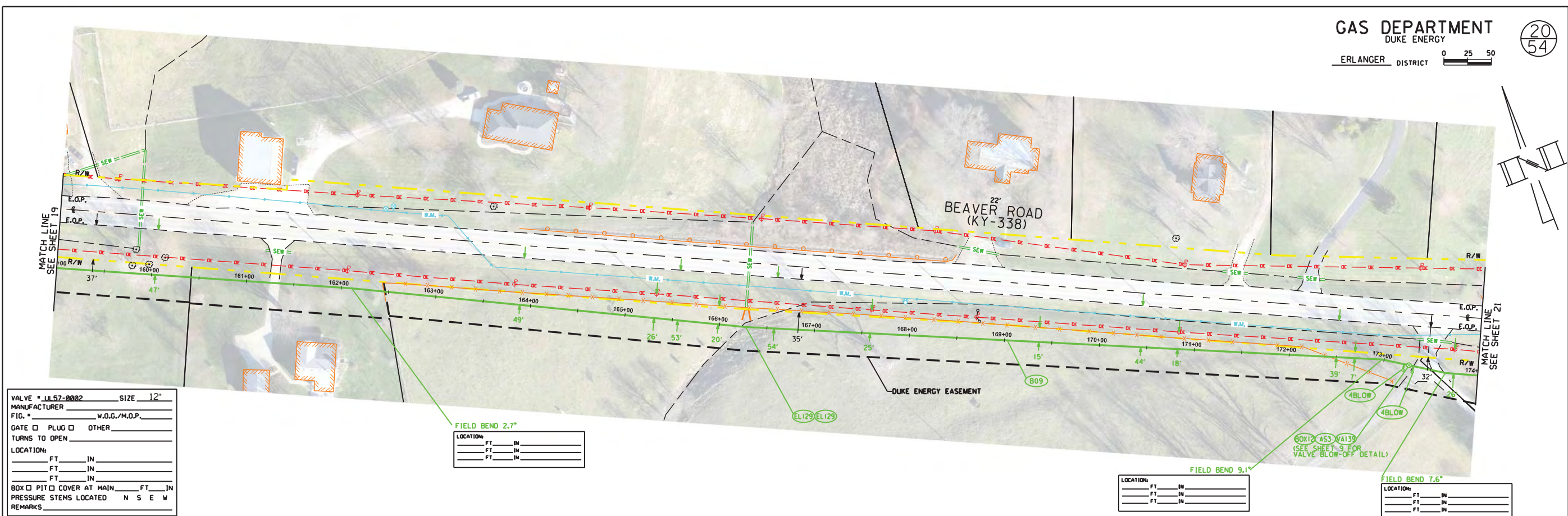
PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50')
 (VERTICAL SCALE: 1"=10')

SEPTEMBER 25, 2017

REVISIONS

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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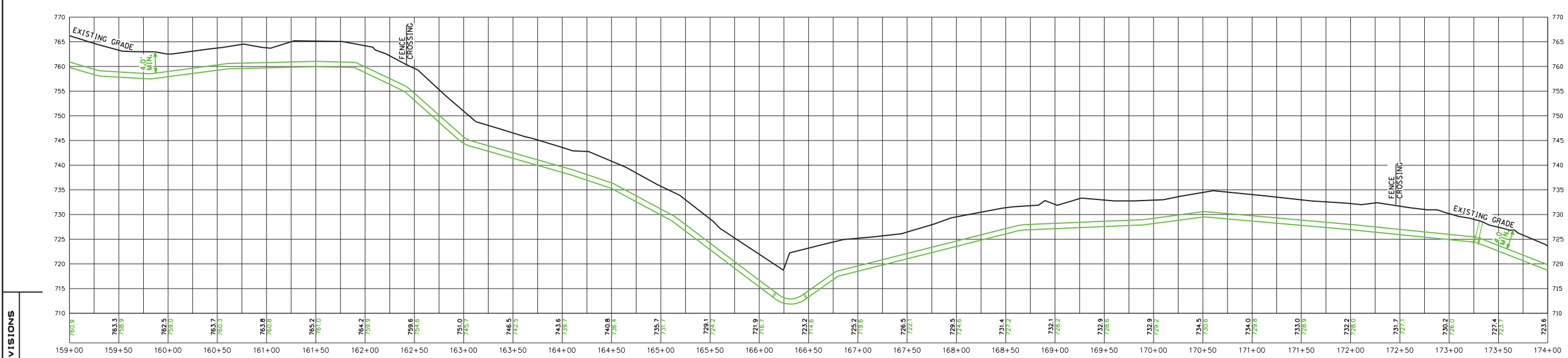
VALVE # JL57-0002 SIZE 12"
 MANUFACTURER _____
 FIG. # W.D.G./M.O.P.
 GATE PLUG OTHER _____
 TURNS TO OPEN _____
 LOCATION:
 _____ FT _____ IN
 _____ FT _____ IN
 _____ FT _____ IN
 BOX PIT COVER AT MAIN _____ FT _____ IN
 PRESSURE STEMS LOCATED N S E W
 REMARKS _____

FIELD BEND 2.7°
 LOCATION:
 _____ FT _____ IN
 _____ FT _____ IN
 _____ FT _____ IN

FIELD BEND 9.1°
 LOCATION:
 _____ FT _____ IN
 _____ FT _____ IN
 _____ FT _____ IN

FIELD BEND 7.6°
 LOCATION:
 _____ FT _____ IN
 _____ FT _____ IN
 _____ FT _____ IN

OWNERSHIP	← #79-MOORE L M JR & RUTH E →	← #81-HUFF JOHN W & VIRGINIA M TRUSTEES →	← #75-BAKER JOHN D AND JANE S →	← #83-DAWALT TIMOTHY W & LINDA K →
PIPE DETAIL	INSTALL - 1500' 12" SWPC X-52 .250" W.T.			
SPECIAL CONDITIONS	BRUSH/GRASS	CONCRETE/ DRIVEWAY	BRUSH/GRASS	ASPHALT/ PAVEMENT BRUSH/ GRASS



REVISIONS

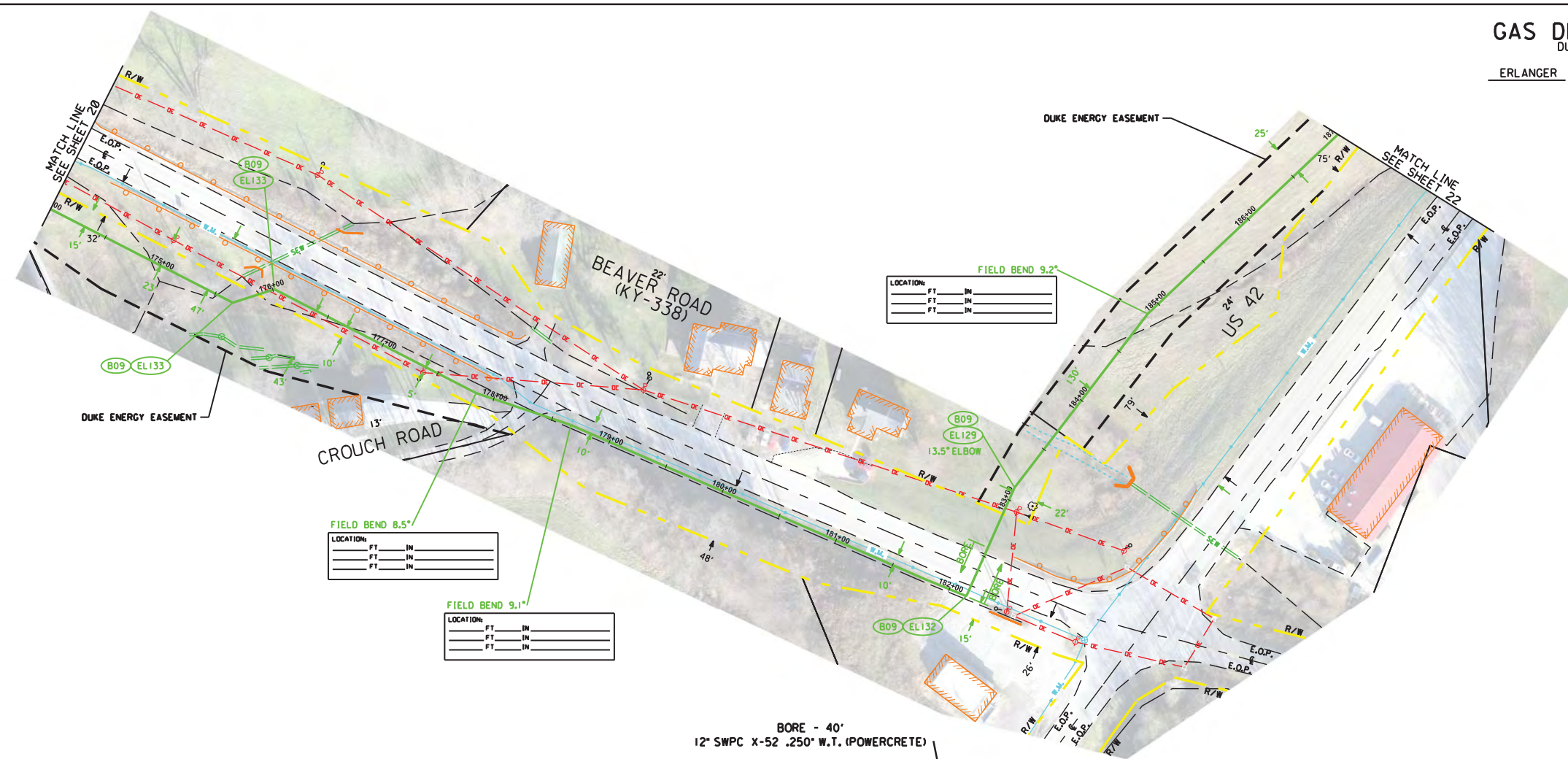
REVISION 1: VALVE RELOCATION FROM SHT 21 TO SHT 20.

SEPTEMBER 25, 2017

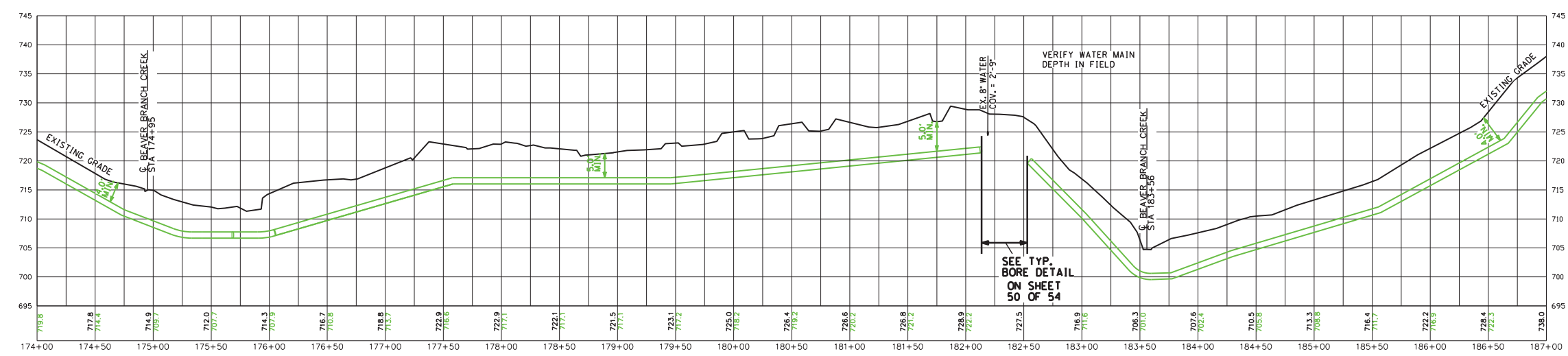
GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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OWNERSHIP	*B3 DAWALT TIMOTHY W & LINDA K		← KYTC ROW →		*118-GOODMAN PATRICIA		← *122-STEPHENSON E C II →	
PIPE DETAIL	INSTALL - 809' 12" SWPC X-52 .250" W.T.				INSTALL - 451' 12" SWPC X-52 .250" W.T.			
SPECIAL CONDITIONS	SKY-CDK-012 STA. 174+95 BEAVER BRANCH CREEK	BRUSH/GRASS	ASPHALT/ PAVEMENT	BRUSH/GRASS	GRAVEL/ DRIVEWAY ASPHALT/ PAVEMENT	SKY-CDK-012 STA. 183+56 BEAVER BRANCH CREEK	BRUSH/GRASS	



REVISIONS

REVISION 1: VALVE RELOCATION FROM SHT 21 TO SHT 20.

PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50')
 (VERTICAL SCALE: 1"=10')

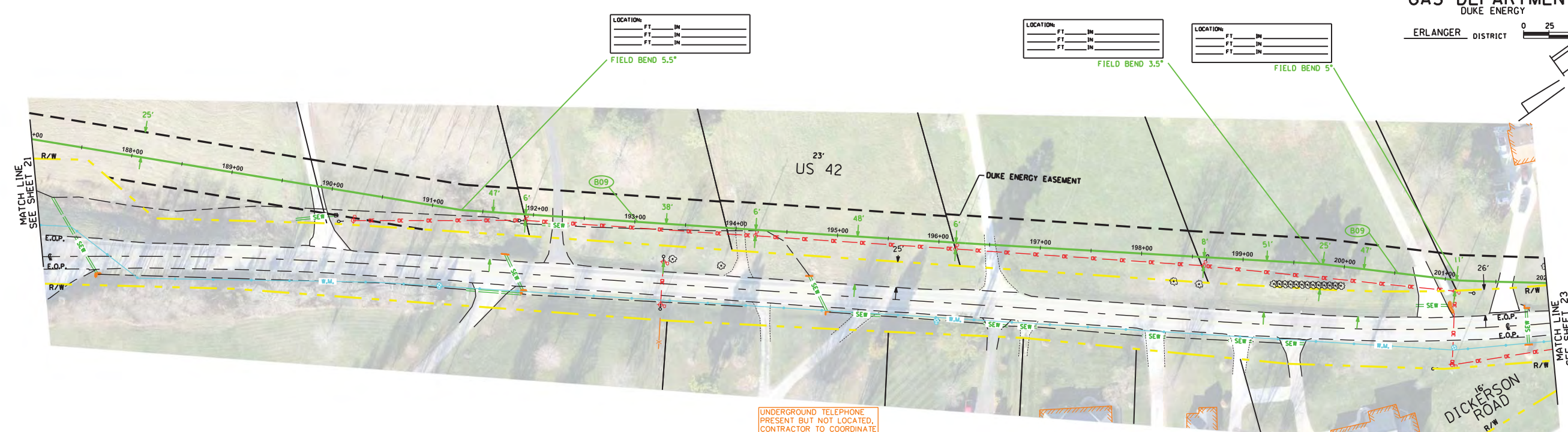
SEPTEMBER 25, 2017

GAS DEPARTMENT
 DUKE ENERGY

ERLANGER DISTRICT

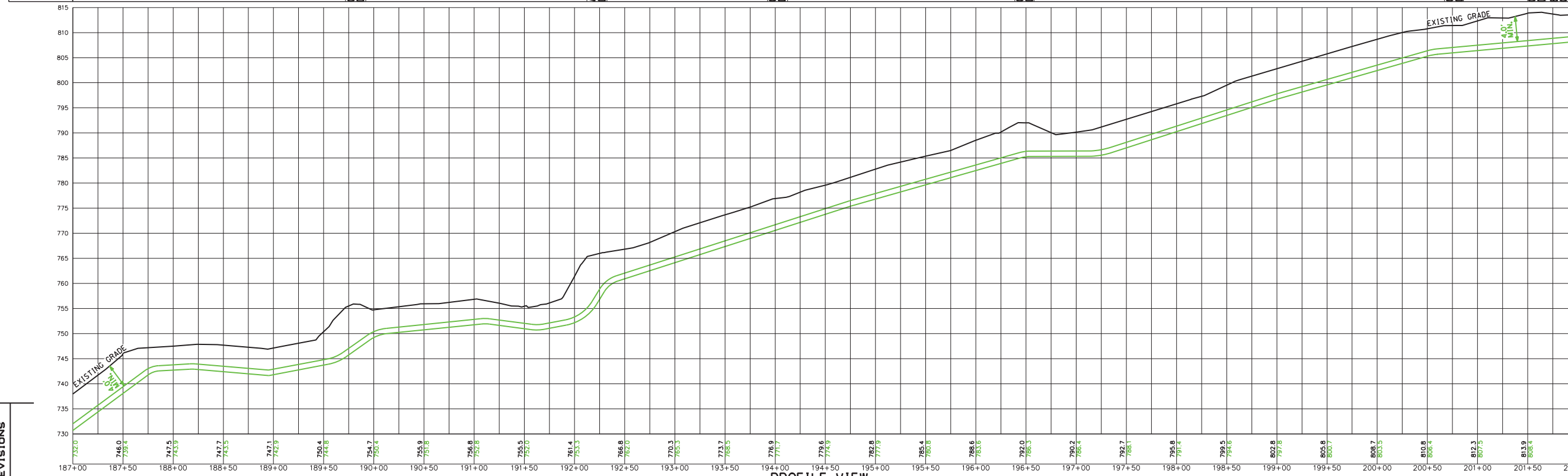


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UNDERGROUND TELEPHONE
 PRESENT BUT NOT LOCATED,
 CONTRACTOR TO COORDINATE
 WITH 811 FOR LOCATION

OWNERSHIP	← #122-STEPHENSON E C II →	← #124-KARWATH MICHAEL WALTHER RACHAEL E →	← #126-KELLEY JAMES B & ANN →	← #128-KEETON ERNEST & DARLENE →	← #130-KEETON ERNEST & DARLENE →	← #132-PAUL MICHAEL J →	← #134-PAUL MICHAEL J →
PIPE DETAIL	INSTALL - 1500' 12" SWPC X-52 .250" W.T.						
SPECIAL CONDITIONS	BRUSH/GRASS	CONCRETE DRIVEWAY	BRUSH/GRASS	ASPHALT DRIVEWAY	BRUSH/GRASS	GRAVEL DRIVEWAY	BRUSH/GRASS CONCRETE DRIVEWAY BRUSH/GRASS



REVISIONS

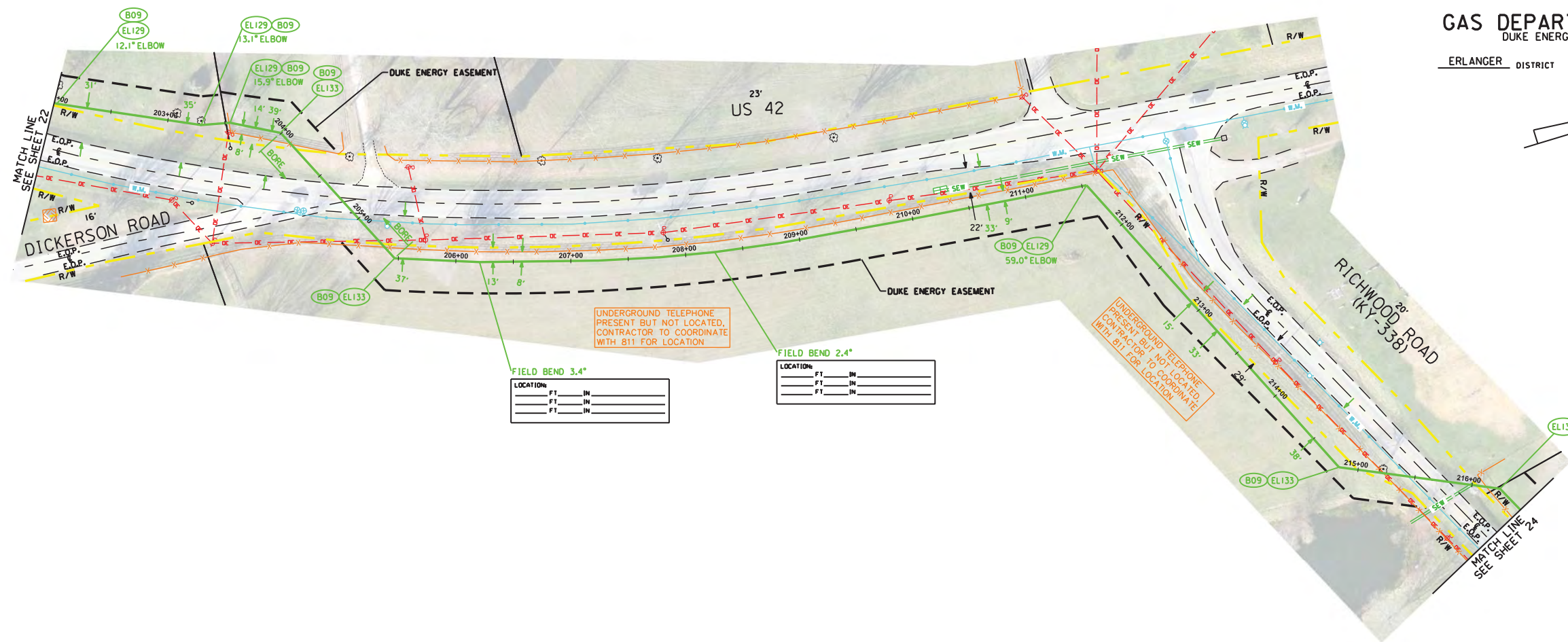
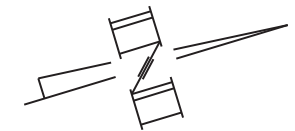
PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

SEPTEMBER 25, 2017

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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UNDERGROUND TELEPHONE
 PRESENT BUT NOT LOCATED.
 CONTRACTOR TO COORDINATE
 WITH 811 FOR LOCATION

UNDERGROUND TELEPHONE
 PRESENT BUT NOT LOCATED.
 CONTRACTOR TO COORDINATE
 WITH 811 FOR LOCATION

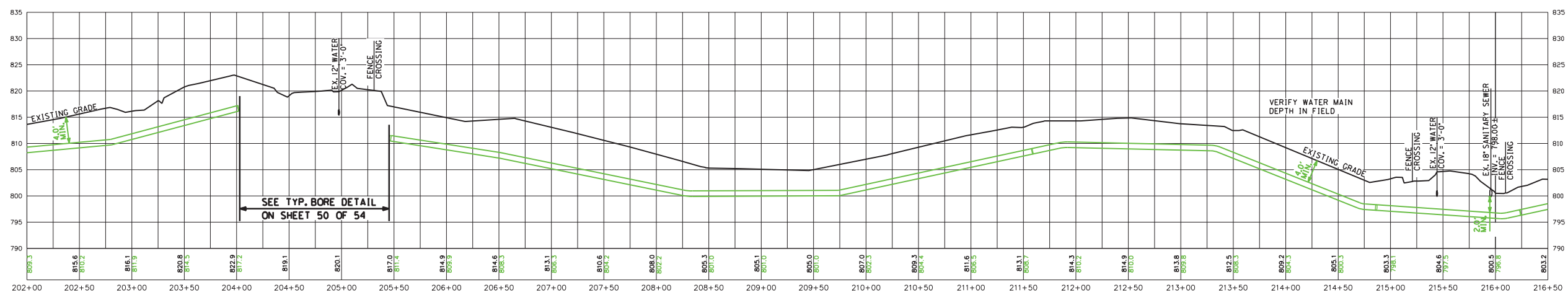
FIELD BEND 3.4"

LOCATION:	FT	IN
	FT	IN
	FT	IN

FIELD BEND 2.4"

LOCATION:	FT	IN
	FT	IN
	FT	IN

OWNERSHIP	← #134-PAUL MICHAEL J →	#136-JONES KAZUYO	← KYTC ROW →	#125-WRIGHT JAMES R	← KYTC ROW →	#146-STONE JUDITH ELAINE
PIPE DETAIL	INSTALL - 197' 12" SWPC X-52 .250" W.T.			INSTALL - 1106' 12" SWPC X-52 .250" W.T.		
SPECIAL CONDITIONS	BRUSH/GRASS		ASPHALT/ PAVEMENT	BRUSH/GRASS		ASPHALT/ PAVEMENT BRUSH/ GRASS



REVISIONS

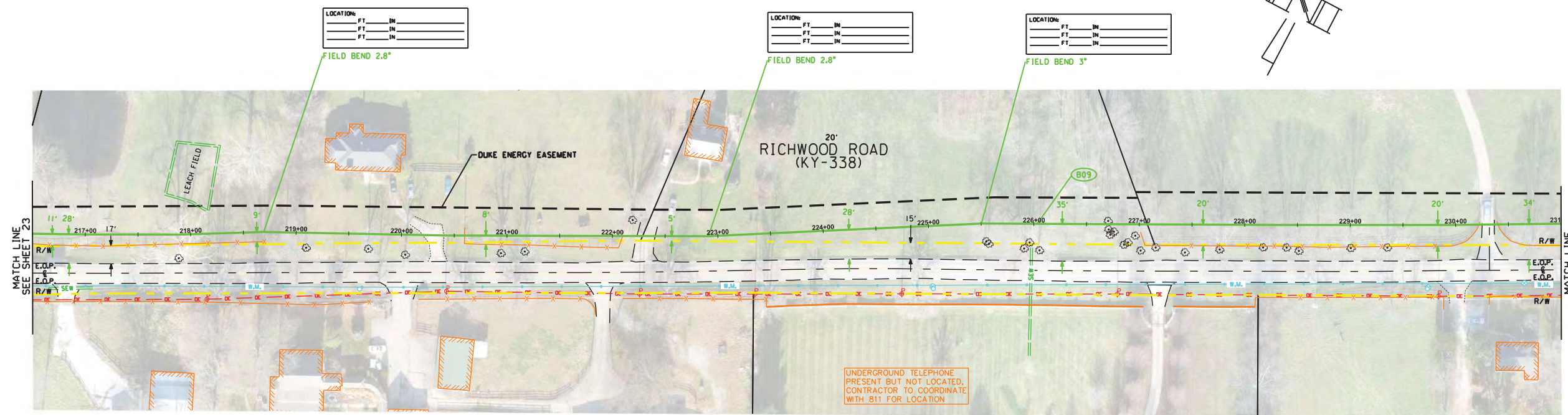
REVISION 1: CHANGED CROSSING AT STA 215+68 FROM BORE TO OPEN CUT.

PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50')
 (VERTICAL SCALE: 1"=10')

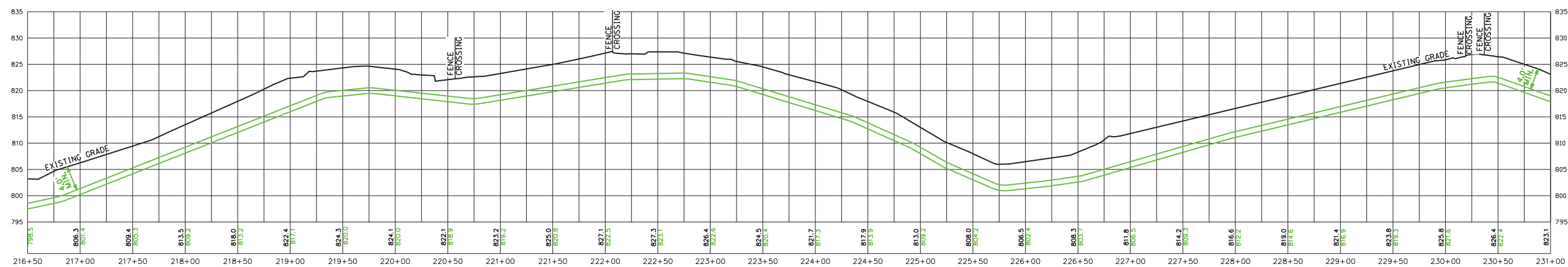
SEPTEMBER 25, 2017

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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OWNERSHIP	← #146-STONE JUDITH ELAINE →		← #150-STEPHENSON JAMES H & GRETA G →		← #152-BUDIG GEORGE J FAMILY LIMITED PARTNERS →	
PIPE DETAIL	INSTALL - 1450' 12" SWPC X-52 .250" W.T.					
SPECIAL CONDITIONS	BRUSH/GRASS	GRAVEL / DRIVEWAY	BRUSH/GRASS	ASPHALT / DRIVEWAY	BRUSH/GRASS	ASPHALT / DRIVEWAY BRUSH/GRASS

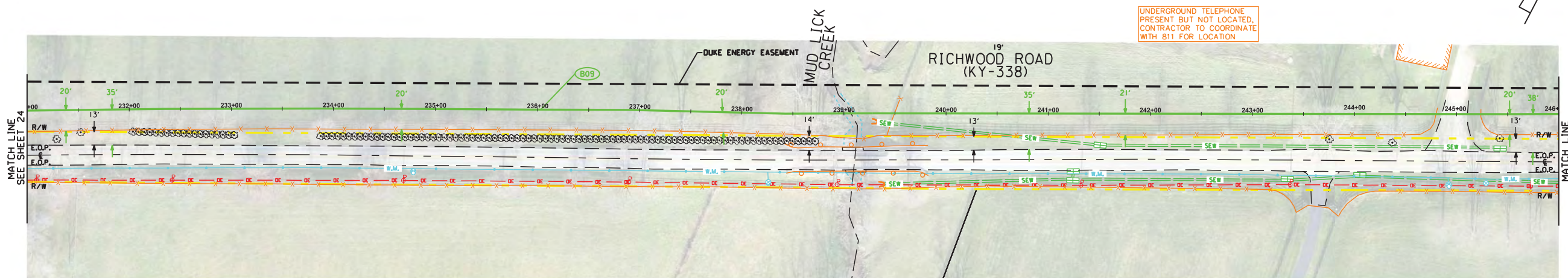
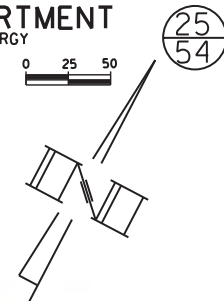


PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

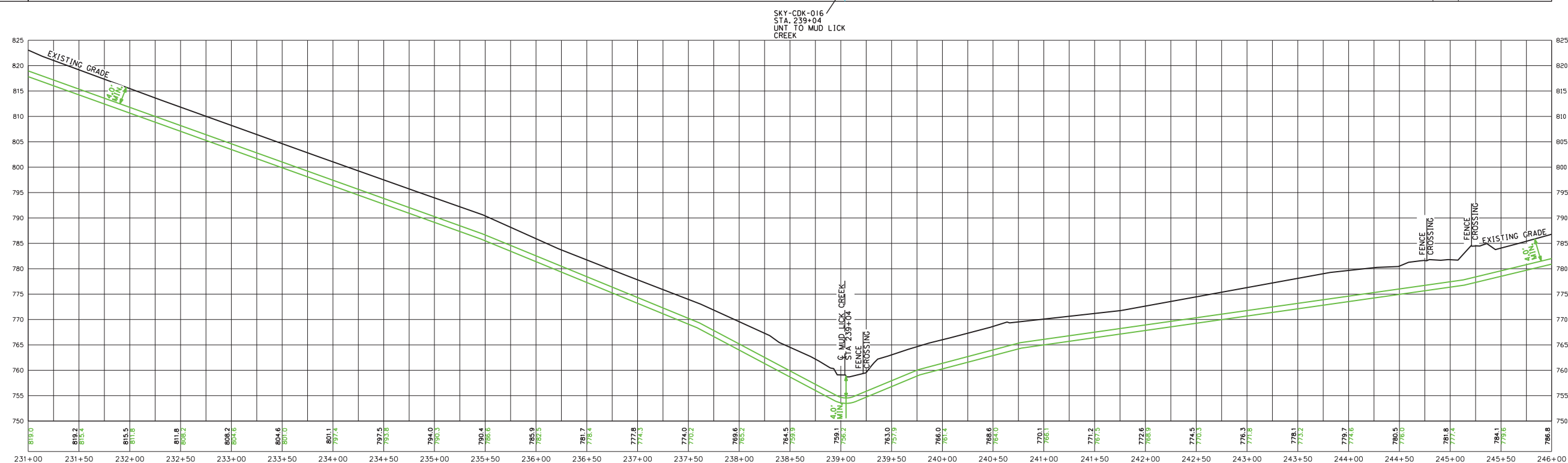
REVISIONS

SEPTEMBER 25, 2017

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT



OWNERSHIP	← *152-BUDIG GEORGE J FAMILY LIMITED PARTNERS →
PIPE DETAIL	INSTALL - 1500' 12" SWPC X-52 .250" W.T.
SPECIAL CONDITIONS	BRUSH/GRASS



PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

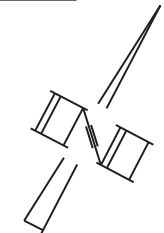
SEPTEMBER 25, 2017

REVISIONS

GAS DEPARTMENT
DUKE ENERGY

ERLANGER DISTRICT

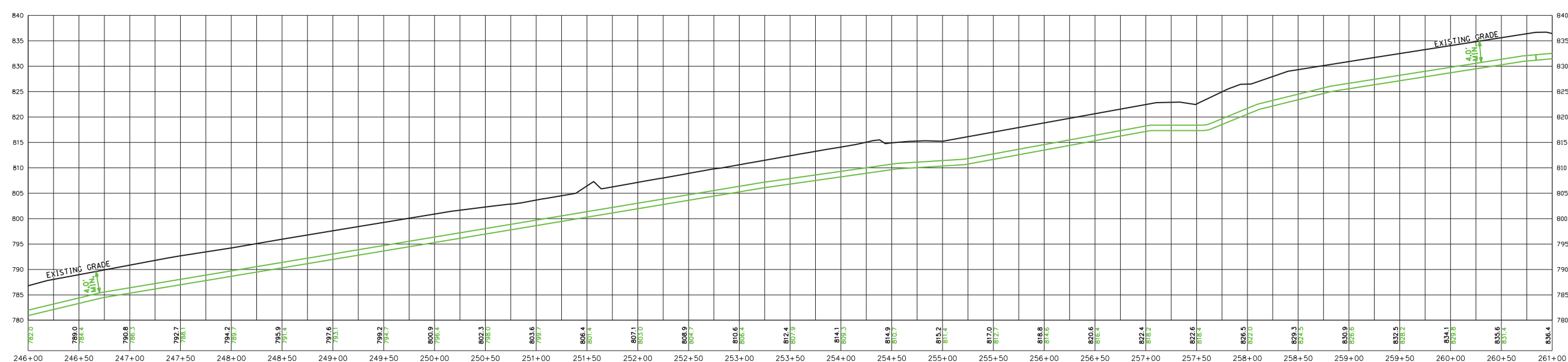
26
54



UNDERGROUND TELEPHONE
PRESENT BUT NOT LOCATED,
CONTRACTOR TO COORDINATE
WITH 811 FOR LOCATION



OWNERSHIP	← #152-BUDIG GEORGE J FAMILY LIMITED PARTNERS →
PIPE DETAIL	INSTALL - 1500' 12" SWPC X-52 .250" W.T.
SPECIAL CONDITIONS	BRUSH/GRASS ASPHALT DRIVEWAY



REVISIONS

PROFILE VIEW
(HORIZONTAL SCALE: 1"=50')
(VERTICAL SCALE: 1"=10')

SEPTEMBER 25, 2017

GAS DEPARTMENT
 DUKE ENERGY

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54

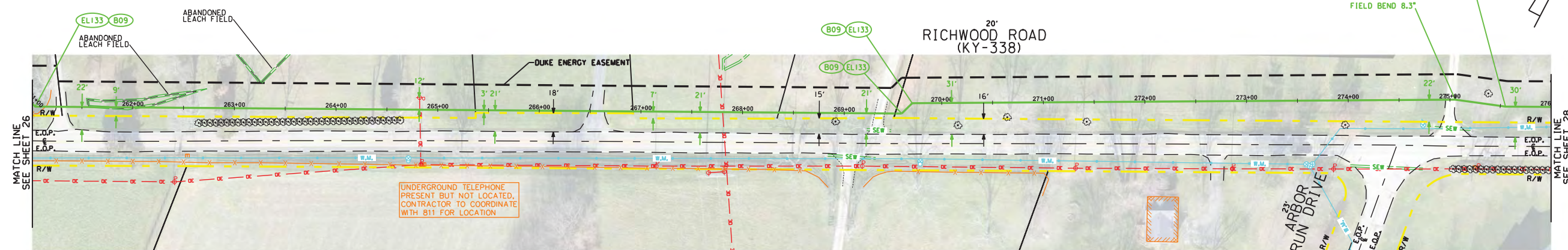
ERLANGER DISTRICT

LOCATION:
 FT. IN.
 FT. IN.

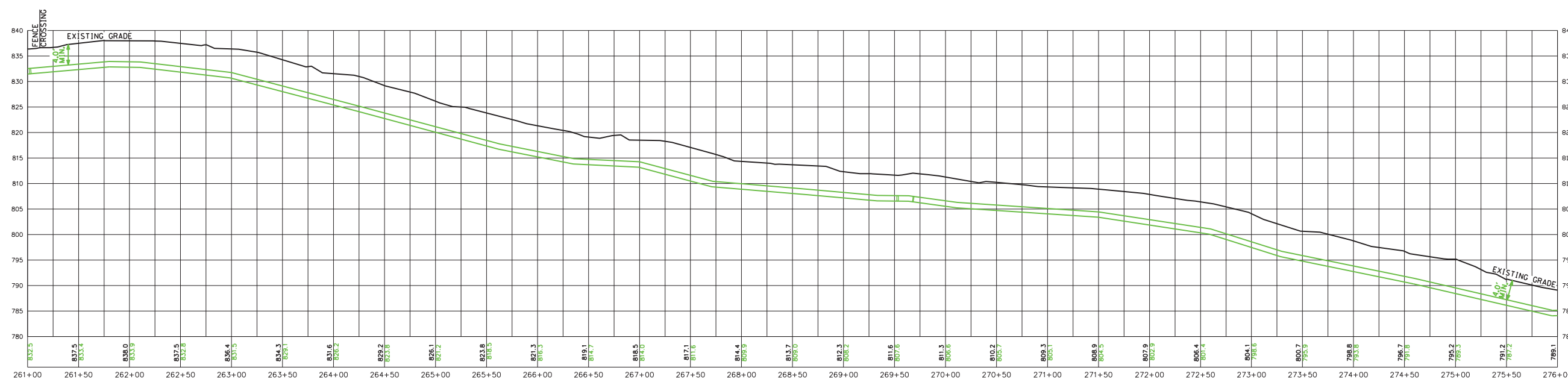
FIELD BEND 7.5"

LOCATION:
 FT. IN.
 FT. IN.

FIELD BEND 8.3"



OWNERSHIP	← *152-BUDIG GEORGE J FAMILY LIMITED PARTNERS →		← *154-PEGGY HOUSTON →		← *156-PEGGY HOUSTON →		← *154-PEGGY HOUSTON →		← *158-PEGGY HOUSTON →		← *160-BUDIG GEORGE J FAMILY LIMITED PARTNERS →				
PIPE DETAIL	INSTALL - 1500' 12" SWPC X-52 .250" W.T.														
SPECIAL CONDITIONS	BRUSH/ GRASS ASPHALT/ DRIVEWAY	BRUSH/GRASS				ASPHALT/ DRIVEWAY	BRUSH/GRASS				GRAVEL/ DRIVEWAY	BRUSH/GRASS		ASPHALT/ DRIVEWAY	BRUSH/GRASS



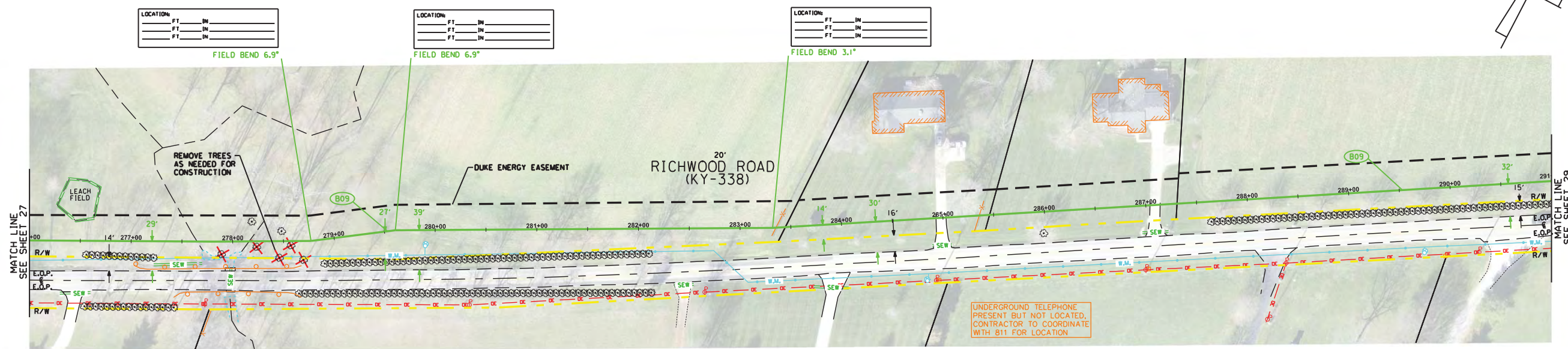
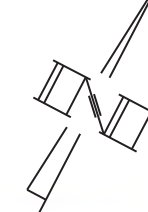
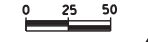
PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

SEPTEMBER 25, 2017

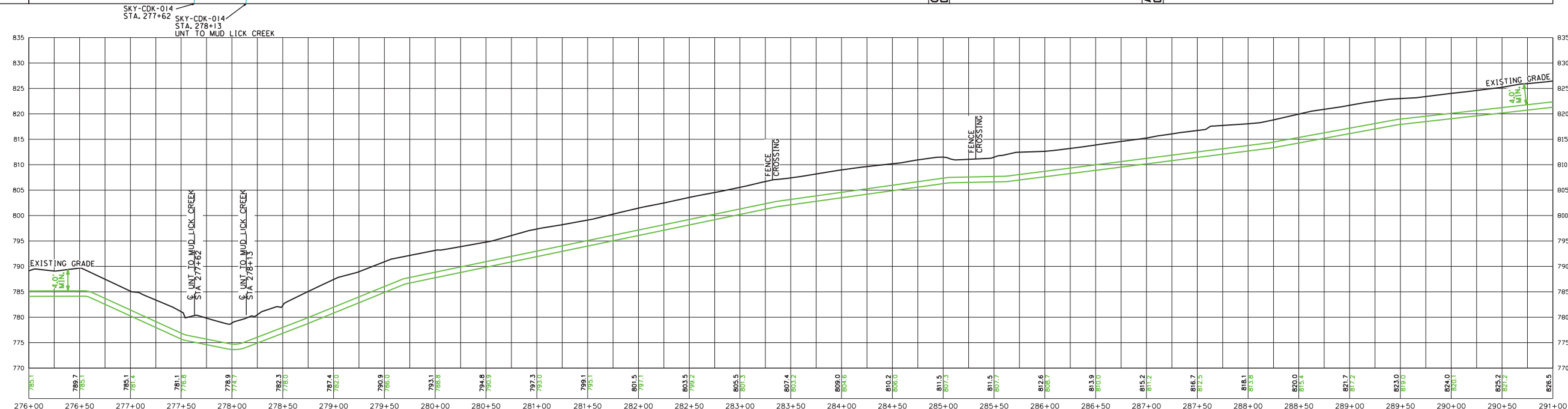
REVISIONS

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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54



OWNERSHIP	← #160-BUDIG GEORGE J FAMILY LIMITED PARTNERS →	← #162-BUDIG GEORGE J FAMILY LIMITED PARTNERS →	← #164-BUDIG GEORGE J FAMILY →	← #166-BUDIG GEORGE J FAMILY LIMITED PARTNERS →
PIPE DETAIL	INSTALL - 1500' 12" SWPC X-52 .250" W.T.			
SPECIAL CONDITIONS	BRUSH/GRASS	CONCRETE DRIVEWAY	BRUSH/GRASS	ASPHALT DRIVEWAY



REVISIONS

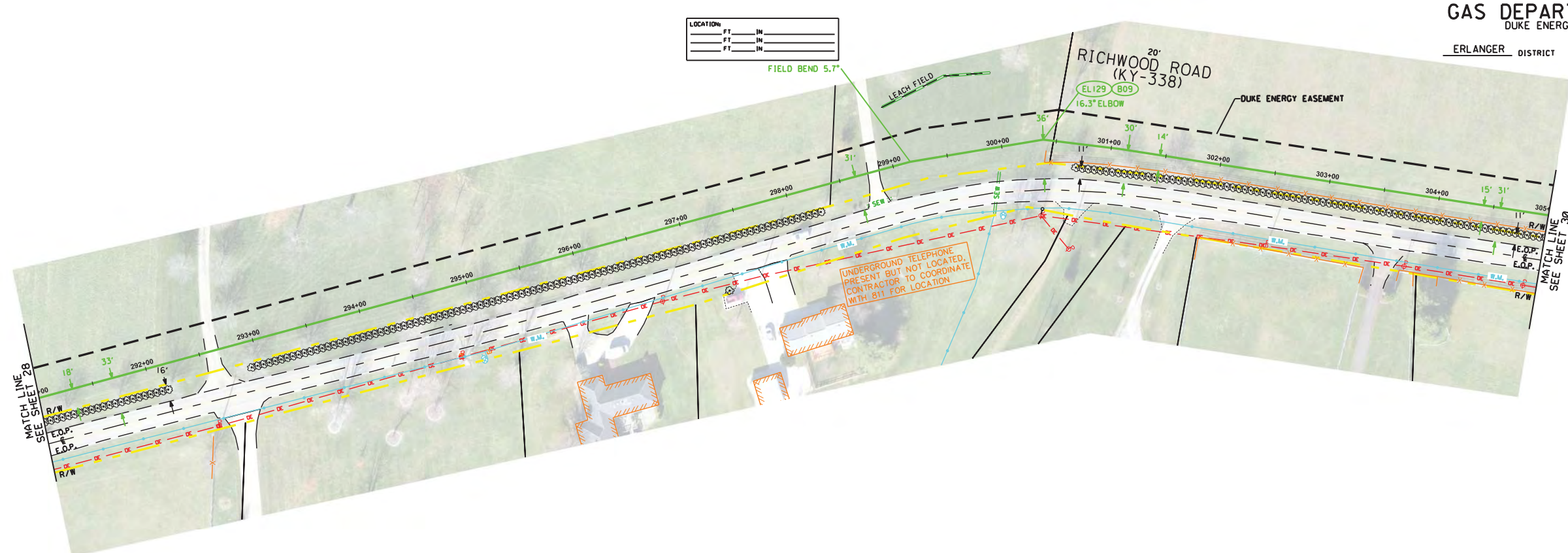
PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

SEPTEMBER 25, 2017

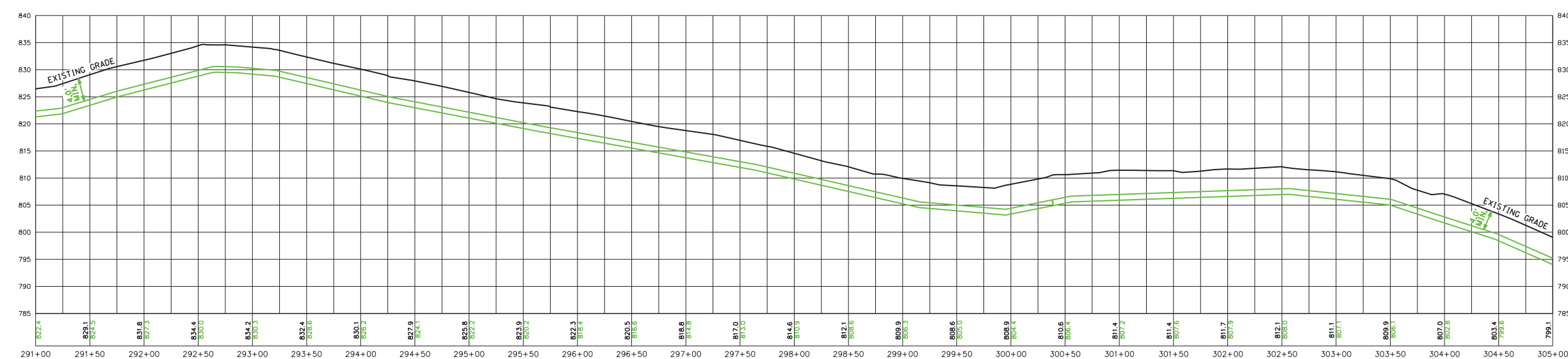
GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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54

0 25 50



OWNERSHIP	← *166-BUDIG GEORGE J FAMILY LIMITED PARTNERS →		← *168-BUDIG GEORGE J FAMILY LIMITED PARTNERS →		← *170-BUDIG GEORGE J FAMILY LIMITED PARTNERS →	
PIPE DETAIL	INSTALL - 1400' 12" SWPC X-52 .250" W.T.					
SPECIAL CONDITIONS	BRUSH/GRASS	ASPHALT DRIVEWAY	BRUSH/GRASS	CONCRETE DRIVEWAY	BRUSH/GRASS	BRUSH/GRASS



PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

SEPTEMBER 25, 2017

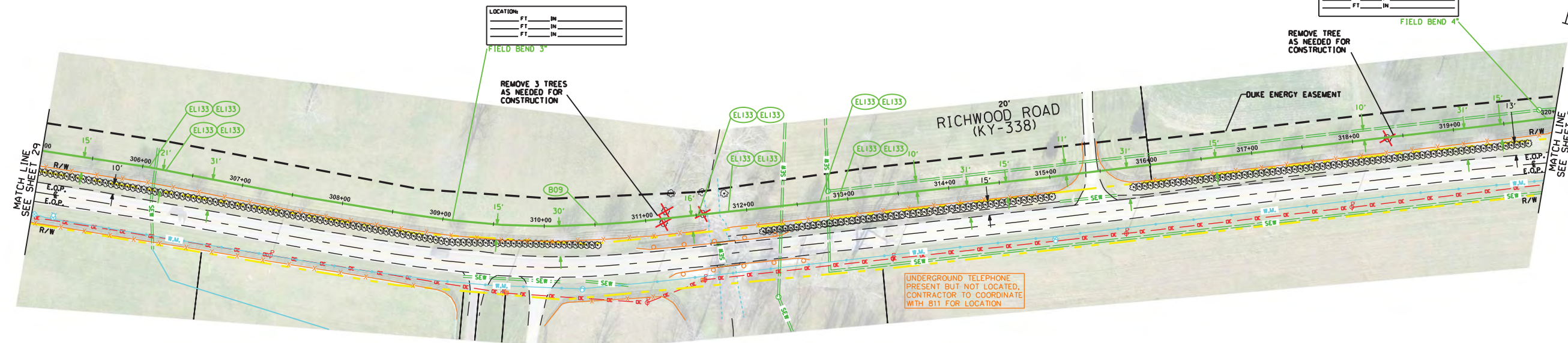
REVISIONS

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

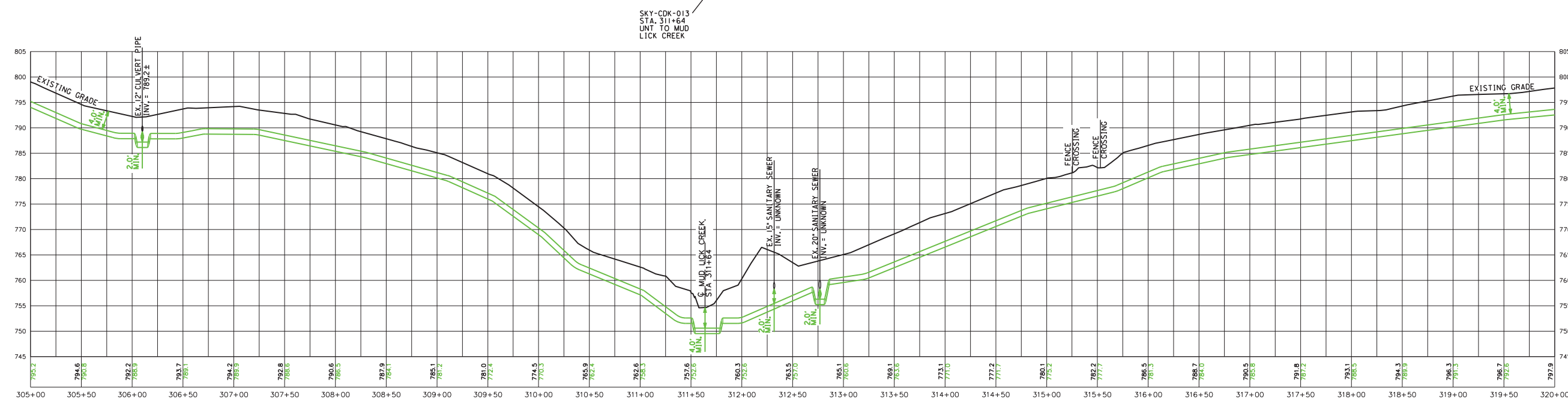
30
54



LOCATION:	FT	IN
	FT	IN
	FT	IN



OWNERSHIP	← #170-BUDIG GEORGE J FAMILY LIMITED PARTNERS →	← #172-BUDIG GEORGE J FAMILY LIMITED PARTNERS →
PIPE DETAIL	INSTALL - 1500' 12" SWPC X-52 .250" W.T.	
SPECIAL CONDITIONS	BRUSH/GRASS	BRUSH/GRASS



REVISIONS

PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

SEPTEMBER 25, 2017

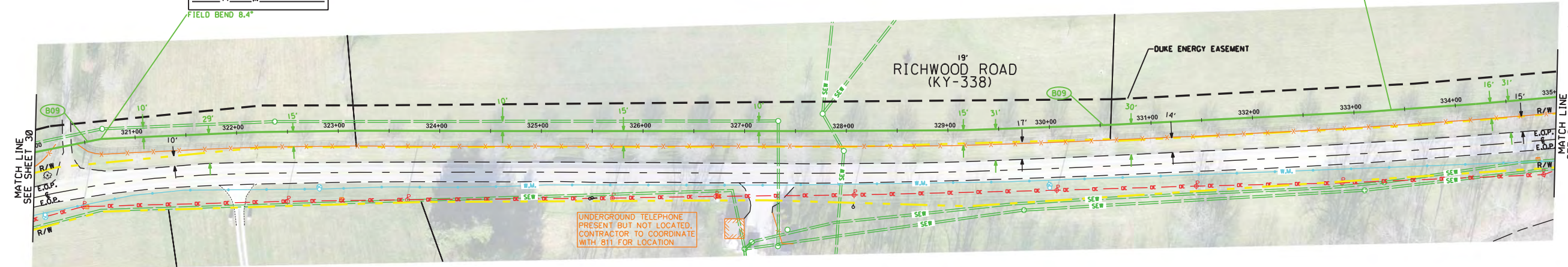
GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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54

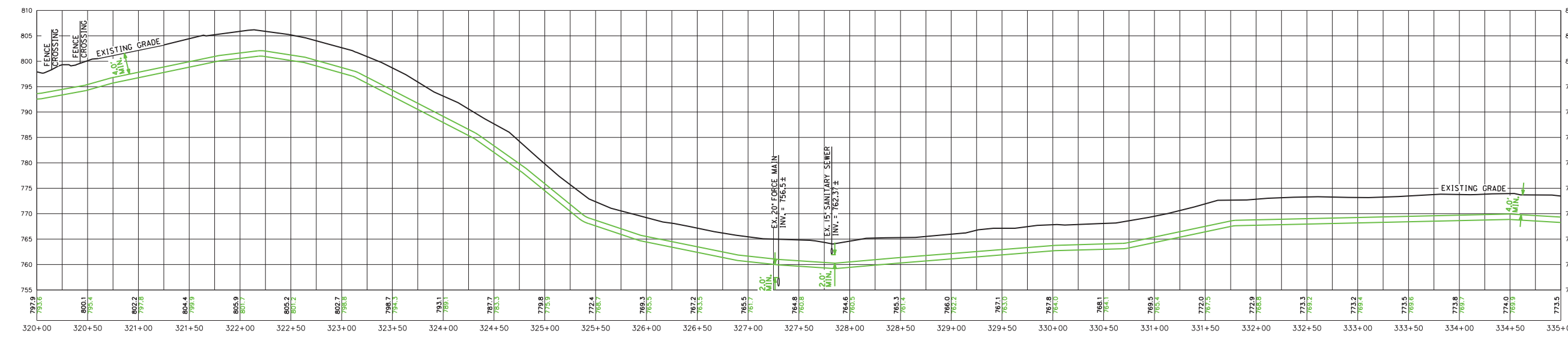


LOCATION:	FT	IN
	FT	IN
	FT	IN

LOCATION:	FT	IN
	FT	IN
	FT	IN



OWNERSHIP	← #172-BUDIG GEORGE J FAMILY LIMITED PARTNERS →	← #170-BUDIG GEORGE J FAMILY LIMITED PARTNERS →	← #174-BUDIG GEORGE J FAMILY LIMITED PARTNERS →
PIPE DETAIL	INSTALL - 1500' 12" SWPC X-52 .250" W.T.		
SPECIAL CONDITIONS	BRUSH/GRASS		



REVISIONS

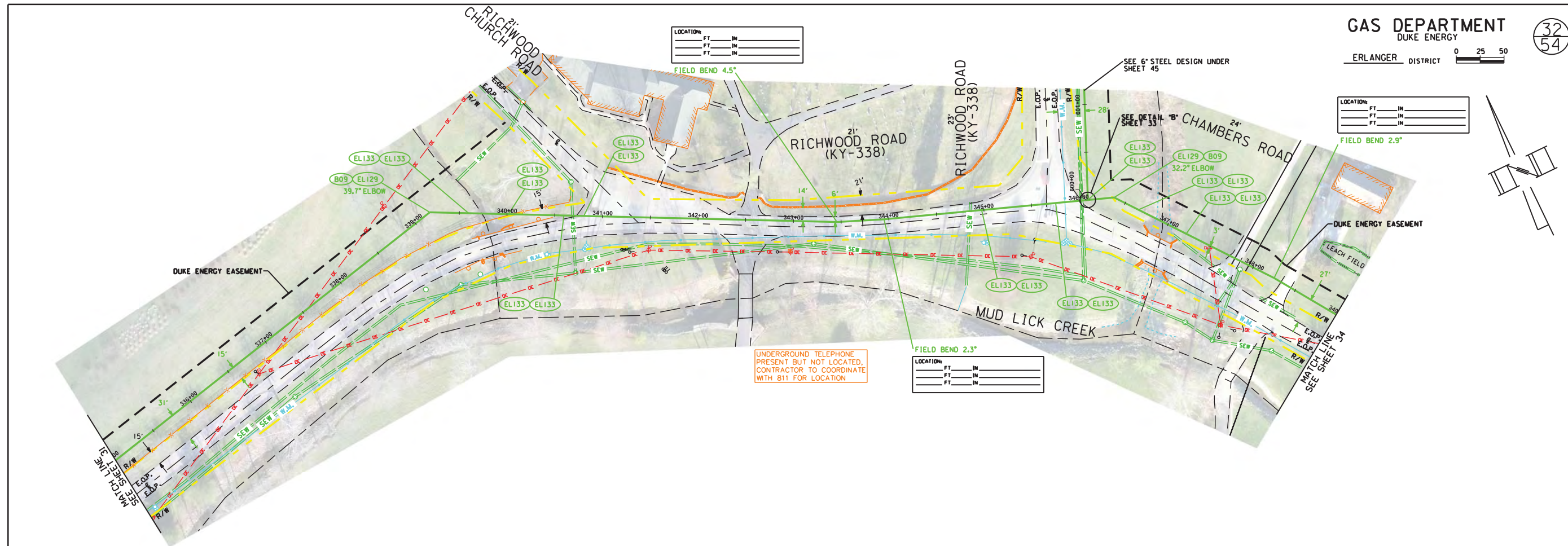
PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

SEPTEMBER 25, 2017

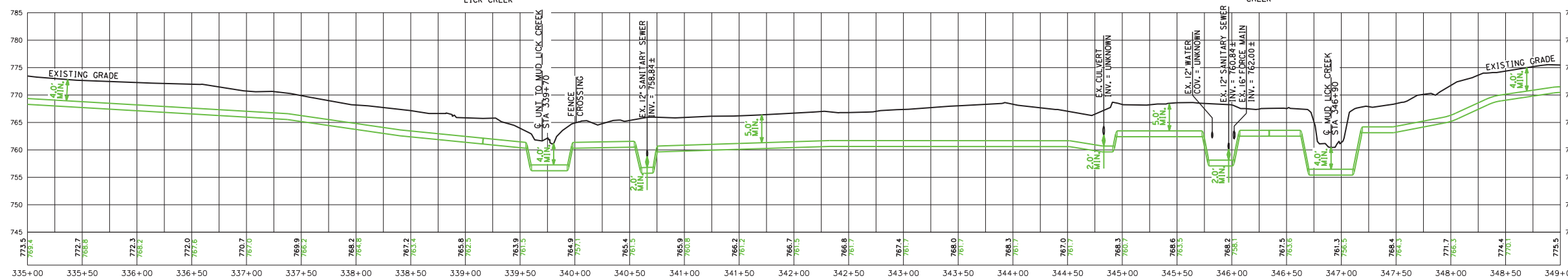
GAS DEPARTMENT
 DUKE ENERGY

ERLANGER DISTRICT

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54



OWNERSHIP	← #174-BUDIG GEORGE J FAMILY LIMITED PARTNERS →	← KYTC ROW →	← #178-CAID RUSSELL D & RUTH LAVERNE →	← #180-WEBER CARROLL JR & BRENDA JOYCE →
PIPE DETAIL	INSTALL - 1400' 12" SWPC X-52 .250" W.T.			
SPECIAL CONDITIONS	BRUSH/GRASS	ASPHALT/PAVEMENT	BRUSH/GRASS	ASPHALT/DRIVEWAY BRUSH/GRASS CONCRETE/DRIVEWAY BRUSH/GRASS



PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

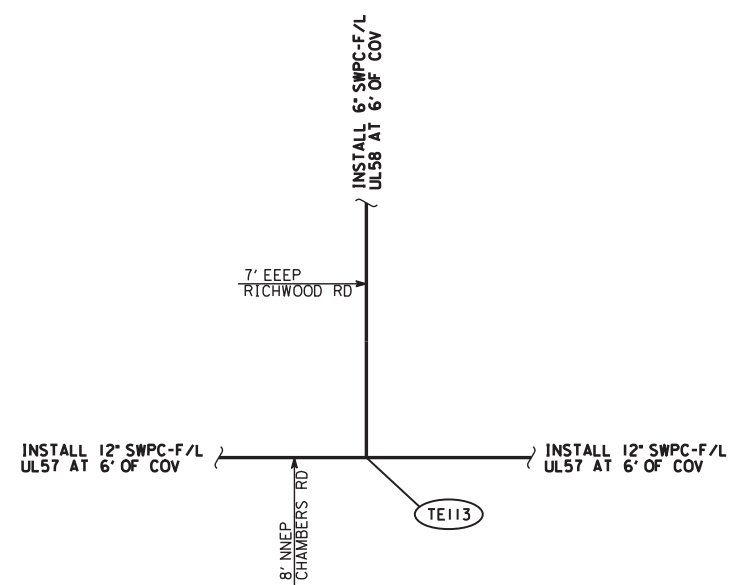
SEPTEMBER 25, 2017

REVISIONS

GAS DEPARTMENT
DUKE ENERGY
ERLANGER DISTRICT

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N.T.S.



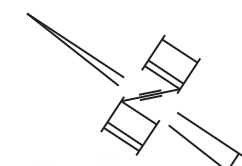
DETAIL "B"
N.T.S.
(FROM SHEET 32)

REVISIONS

SEPTEMBER 25, 2017

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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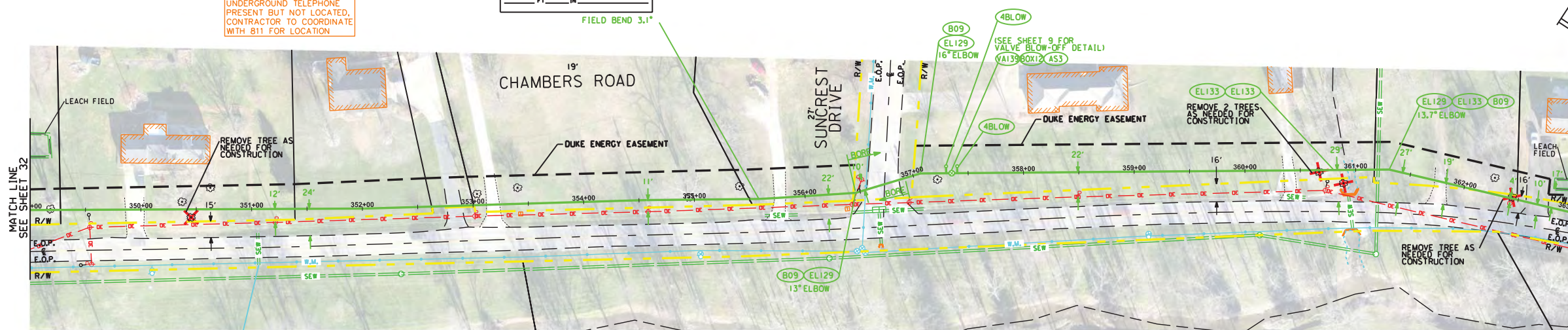


VALVE # J1157-0003 SIZE 12"
 MANUFACTURER _____
 FIG. # _____ W.O.G./M.O.P. _____
 GATE PLUG OTHER _____
 TURNS TO OPEN _____
 LOCATION:
 FT _____ IN _____
 FT _____ IN _____
 FT _____ IN _____
 BOX PIT COVER AT MAIN _____ FT _____ IN _____
 PRESSURE STEMS LOCATED N S E W
 REMARKS _____

LOCATION:
 FT _____ IN _____
 FT _____ IN _____
 FT _____ IN _____

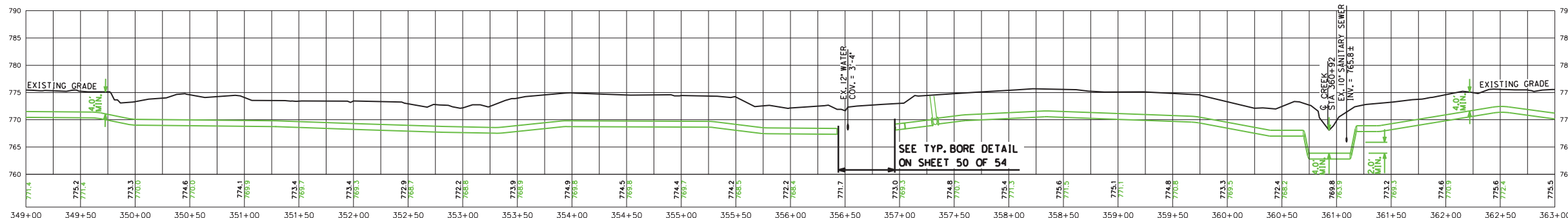
UNDERGROUND TELEPHONE
 PRESENT BUT NOT LOCATED,
 CONTRACTOR TO COORDINATE
 WITH 811 FOR LOCATION

FIELD BEND 3.1'



UNDERGROUND TELEPHONE
 PRESENT BUT NOT LOCATED,
 CONTRACTOR TO COORDINATE
 WITH 811 FOR LOCATION

OWNERSHIP	*180-WEBER CARROLL R JR & BRENDA JOYCE		*184-BEIERLEIN JEFF T & DORIS J		*186-BERGER JAMES M		*188-O'HARA KENNETH G		*192-KING KENNETH		KYTC ROW	*200-IVEY JULIAN		*202-KISSINGER RONALD	*204-KISSINGER RONALD															
PIPE DETAIL	INSTALL - 743' 12" SWPC X-52 .250" W.T.															INSTALL - 610' 12" SWPC X-52 .250" W.T.														
SPECIAL CONDITIONS	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS				ASPHALT/DRIVEWAY	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS		ASPHALT/PAVEMENT	BRUSH/GRASS				GRAVEL/DRIVEWAY	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS	ASPHALT/DRIVEWAY	BRUSH/GRASS								



SKY-CDK-020
 STA. 360+92

REVISIONS

PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

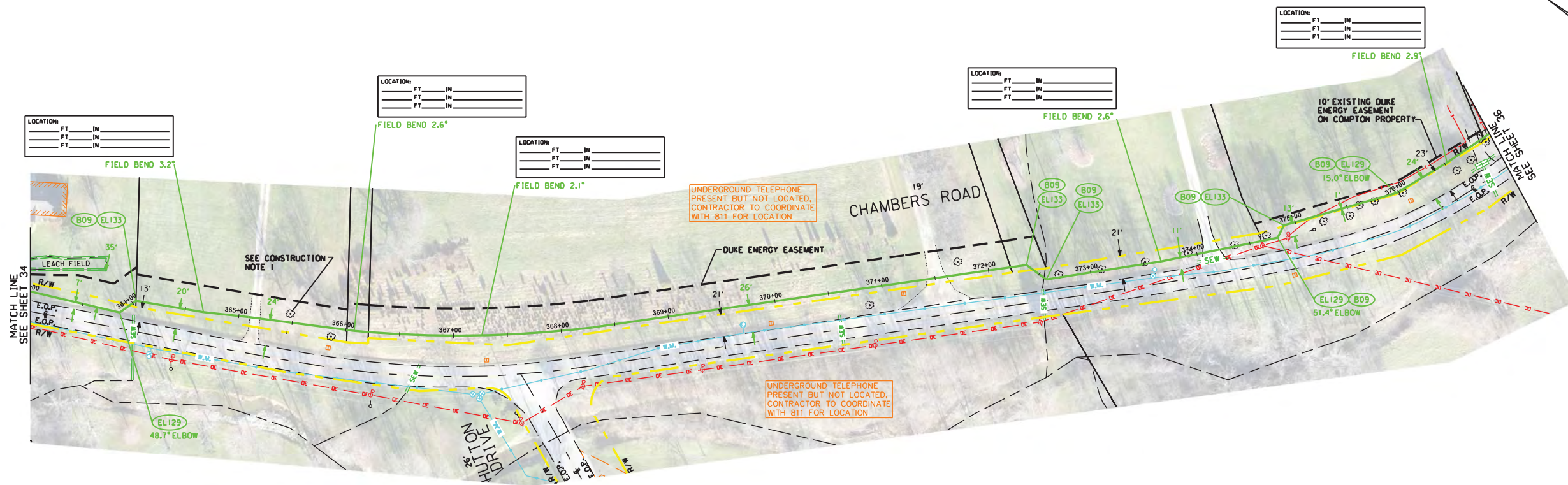
SEPTEMBER 25, 2017

CONSTRUCTION NOTES:
 I. CONTRACTOR TO TAKE EXTRA MEASURES TO PRESERVE TULIP POPLAR TREE.

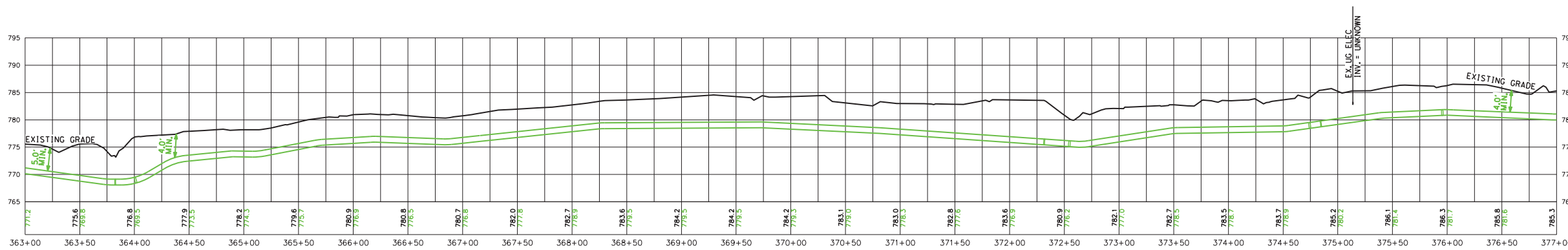
GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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54

0 25 50



OWNERSHIP	← KYTC ROW →	*204-KISSINGER RONALD	*206-GILLUM JAMES M & EMILY E	*208-GUARD THOMAS E	*210-GUARD THOMAS E	*212-GUARD GREGORY G	← KYTC ROW →	*216-COMPTON LARRY R & REEDA C
PIPE DETAIL	INSTALL - 1400'							
SPECIAL CONDITIONS	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS	CONCRETE/DRIVEWAY	BRUSH/GRASS	ASPHALT/DRIVEWAY



PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50')
 (VERTICAL SCALE: 1"=10')

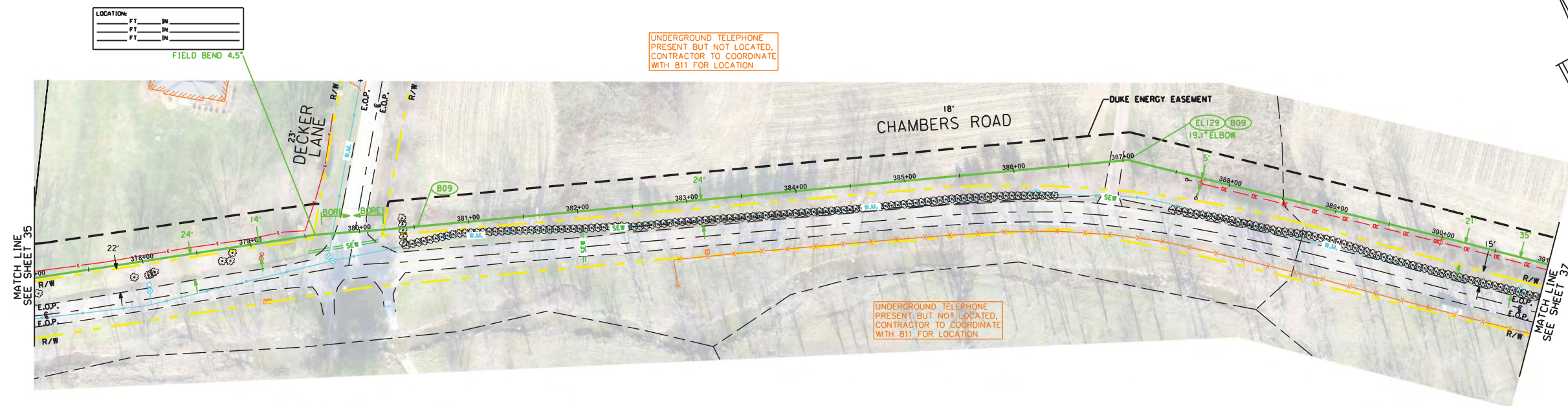
SEPTEMBER 25, 2017

REVISIONS

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

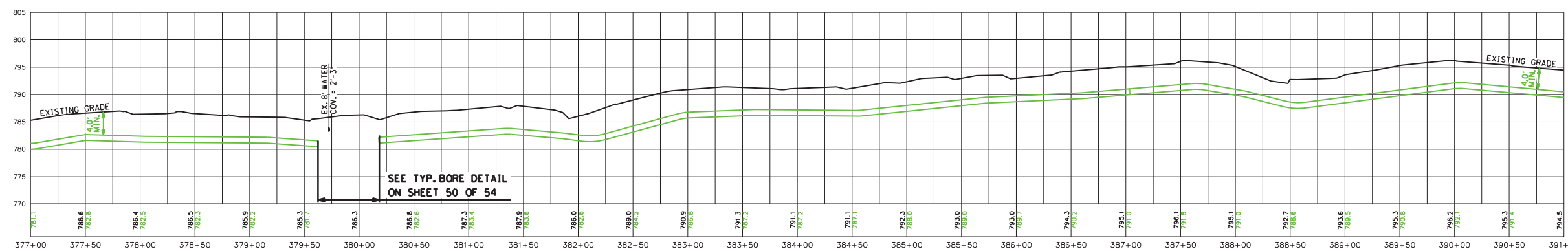
36
54

0 25 50



OWNERSHIP	← *218-HAGER MICHAEL R & VICKIE JEAN →	KYTC ROW	← *224-KAHMANN THE PAUL J FAMLIIY LIMITED PARTNERS →
PIPE DETAIL	INSTALL - 263' 12" SWPC X-52 .250" W.T.	BORE - 56' 12" SWPC X-52 .250" W.T. (POWERCRETE)	INSTALL - 1081' 12" SWPC X-52 .250" W.T.
SPECIAL CONDITIONS	BRUSH/GRASS	ASPHALT/PAVEMENT	BRUSH/GRASS ASPHALT/DRIVEWAY BRUSH/GRASS

SKY-CDK-021
 STA. 388+50
 UNT TO MUD
 LICK CREEK



PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

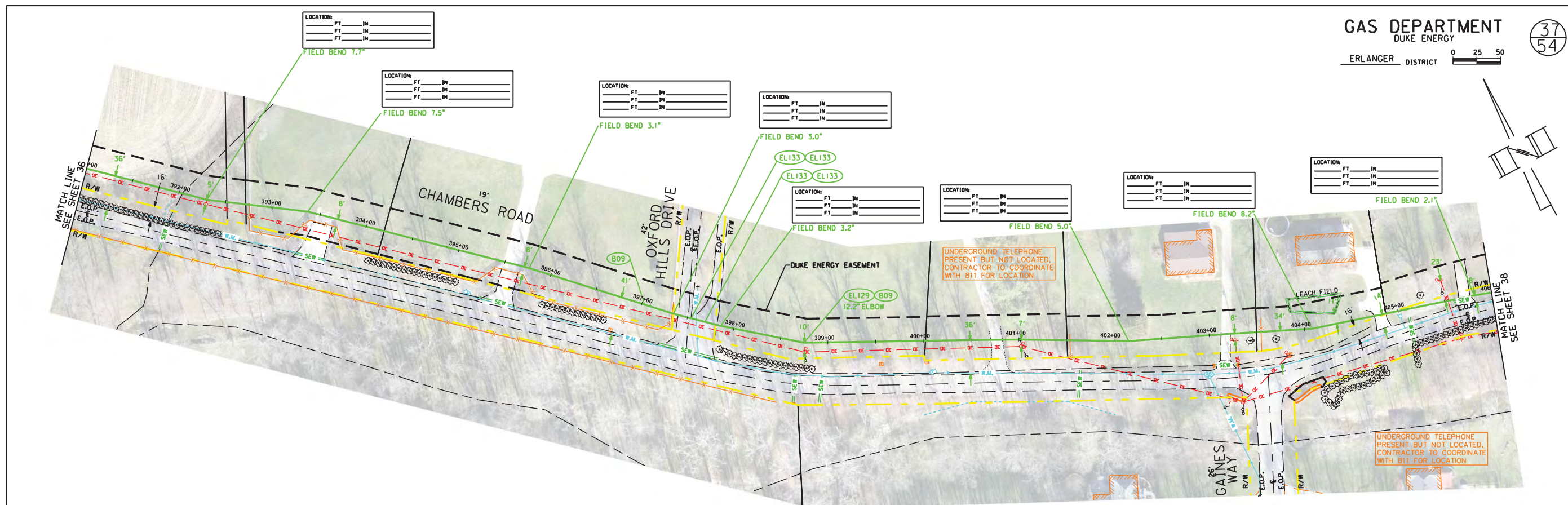
REVISIONS

SEPTEMBER 25, 2017

GAS DEPARTMENT
 DUKE ENERGY

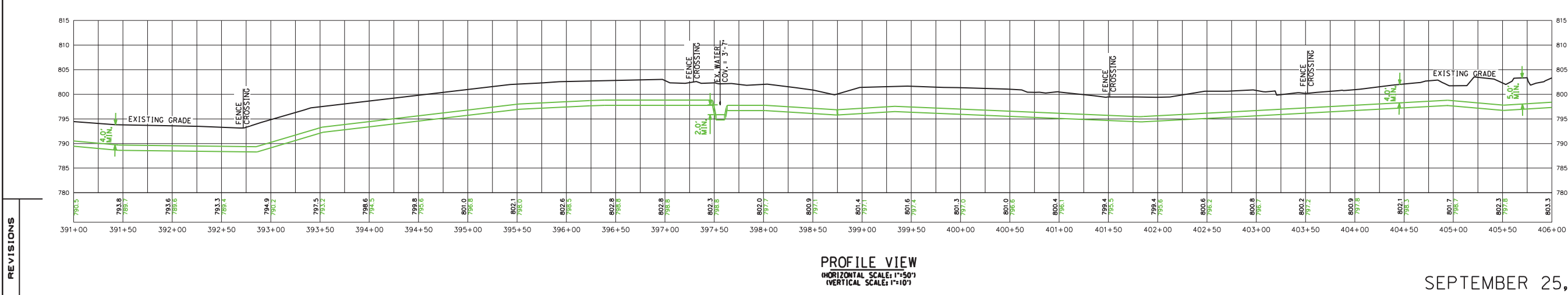
ERLANGER DISTRICT

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54



OWNERSHIP	*224-KAHMANN THE PAUL J FAMILY LIMITED PARTNERS		*226-LAMB ANTHONY B		*230-LAMB ANTHONY B		*232A-OXFORD HILLS SUBDIVISION HOA		*232-MEADE BRIAN		*236-HAND RICHARD		*238-LAMB SUSAN		*242 HOLLEN JAMES & FAYE		*240-JONES ARTHUR & BONITA REVOCABLE LIVING TRUST		KYTC ROW			
PIPE DETAIL	INSTALL - 1500' 12" SWPC X-52 .250" W.T.																					
SPECIAL CONDITIONS	BRUSH/GRASS	ASPHALT/ DRIVEWAY	BRUSH/GRASS	ASPHALT/ DRIVEWAY	BRUSH/GRASS	ASPHALT/ PAVEMENT	BRUSH/GRASS	GRAVEL/ DRIVEWAY	BRUSH/GRASS	ASPHALT/ DRIVEWAY	BRUSH/GRASS	CONCRETE/ DRIVEWAY	BRUSH/GRASS	CONCRETE/ DRIVEWAY	BRUSH/GRASS	CONCRETE/ DRIVEWAY	BRUSH/GRASS	CONCRETE/ DRIVEWAY	BRUSH/GRASS	CONCRETE/ DRIVEWAY	BRUSH/GRASS	

SKY-CDK-022
 STA. 392+01



REVISIONS

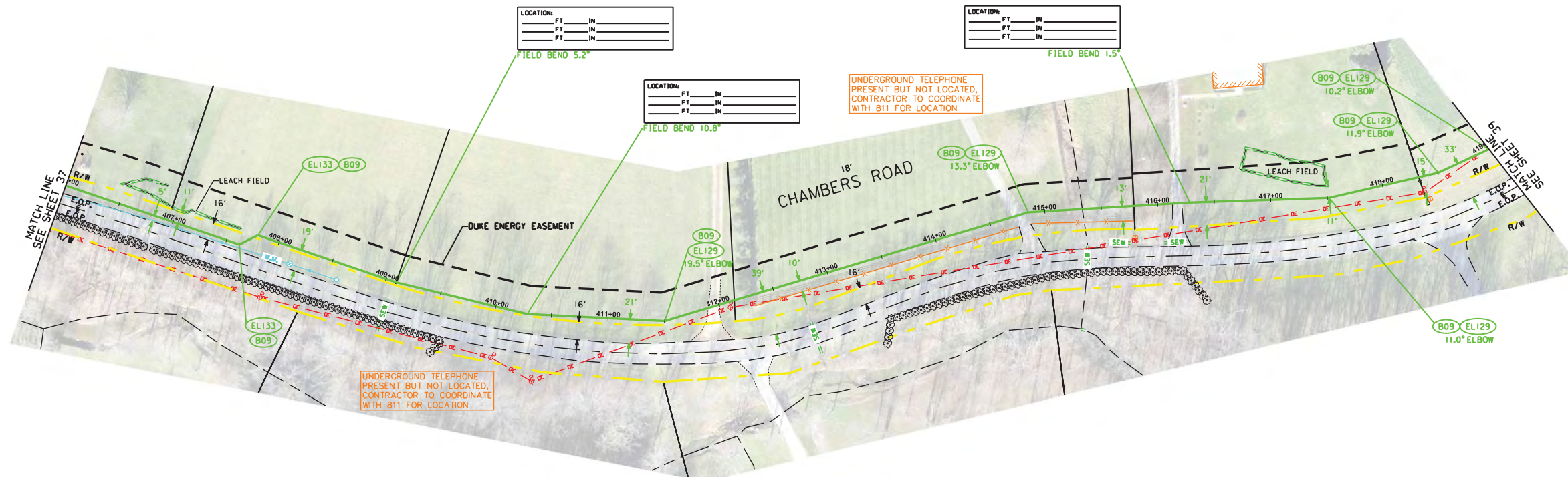
PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50')
 (VERTICAL SCALE: 1"=10')

SEPTEMBER 25, 2017

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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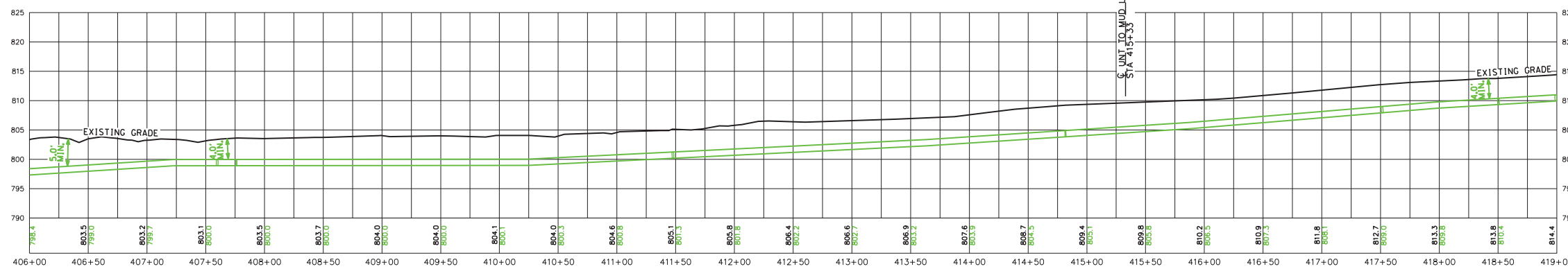
0 25 50



OWNERSHIP	← KYTC ROW →	*244-PERKINS FERN	← *246-GOLDSBERRY FAMILY TRUST →	← *248-STAMPER ROBERT L & SUE ELLEN →	← *250-SMITH STEPHEN K & DONNA E →	←
PIPE DETAIL	INSTALL - 1300' 12" SWPC X-52 .250" W.T.					
SPECIAL CONDITIONS	BRUSH/GRASS		GRAVEL/DRIVEWAY	BRUSH/GRASS	ASPHALT/DRIVEWAY	BRUSH/GRASS

*252-MIDDENDORF DANIEL

SKY-CDK-023
 STA. 415+33
 UNIT TO MUD LICK CREEK



PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50')
 (VERTICAL SCALE: 1"=10')

REVISIONS

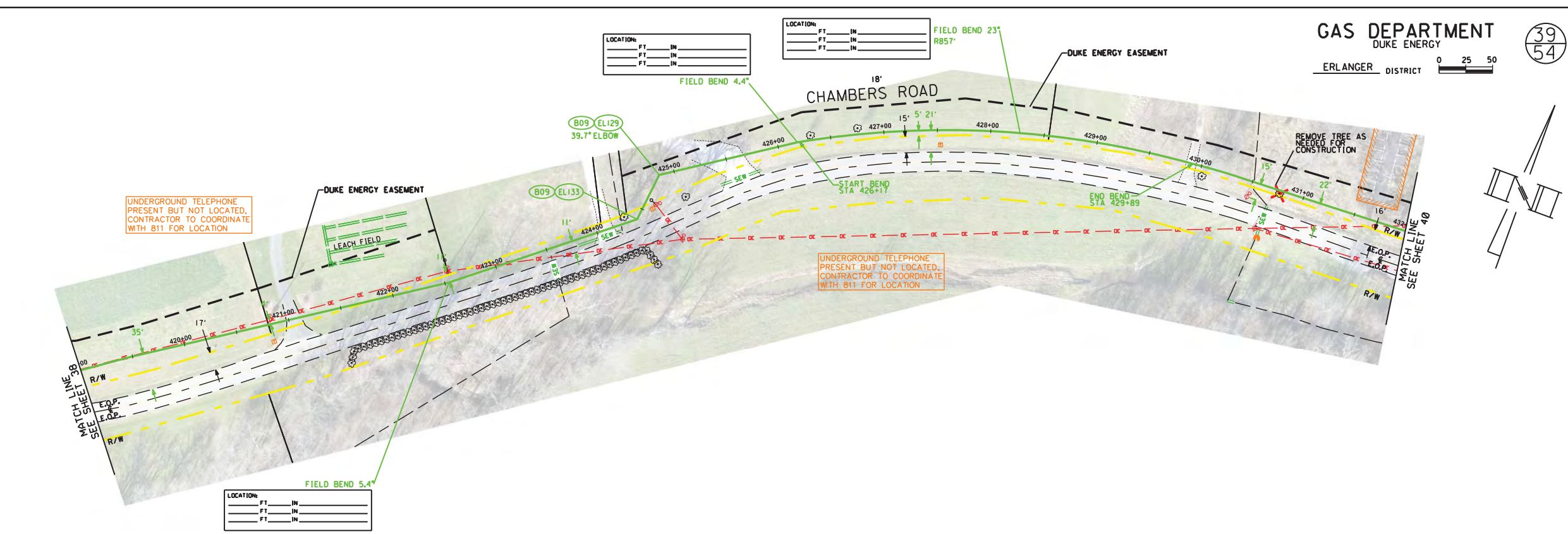
REVISION 2: UPDATED FIELD BENDS TO FITTINGS AT STA 417+50, 418+50 & 419+00.

SEPTEMBER 25, 2017

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

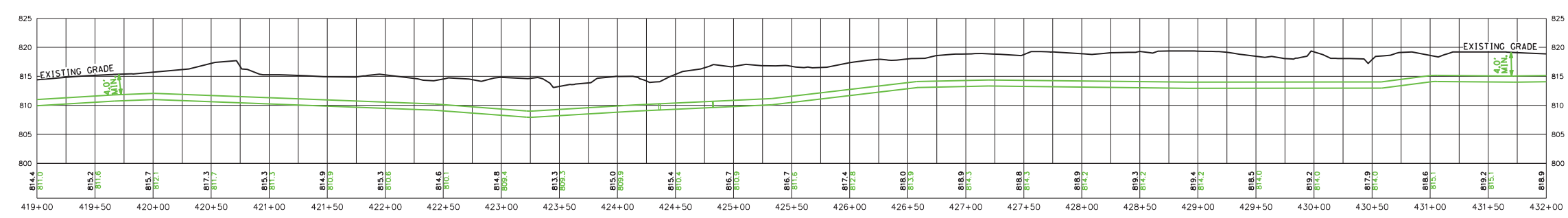
39
54

0 25 50



OWNERSHIP	← *252-MIDDENDORF DANIEL →	← *254-MIDDENDORF DANIEL →	← KYTC ROW →	← *260-WORLEY CHARLES D →	← *262-GREENFIELD FARM INC →
PIPE DETAIL	INSTALL - 1300' 12" SWPC X-52 .250" W.T.				
SPECIAL CONDITIONS	BRUSH/GRASS	ASPHALT/ DRIVEWAY	BRUSH/GRASS	GRAVEL/ DRIVEWAY	BRUSH/GRASS

SKY-CDK-024
 STA. 430+49
 UNIT TO MUD
 LICK CREEK



PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50')
 (VERTICAL SCALE: 1"=10')

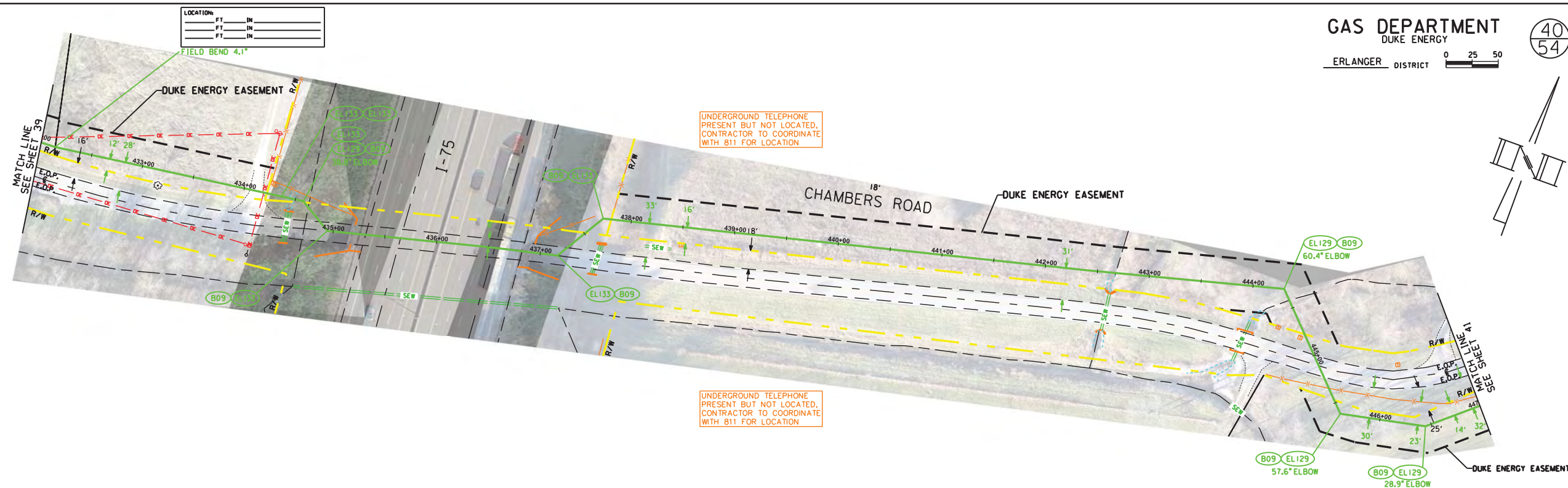
SEPTEMBER 25, 2017

REVISIONS

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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54

0 25 50

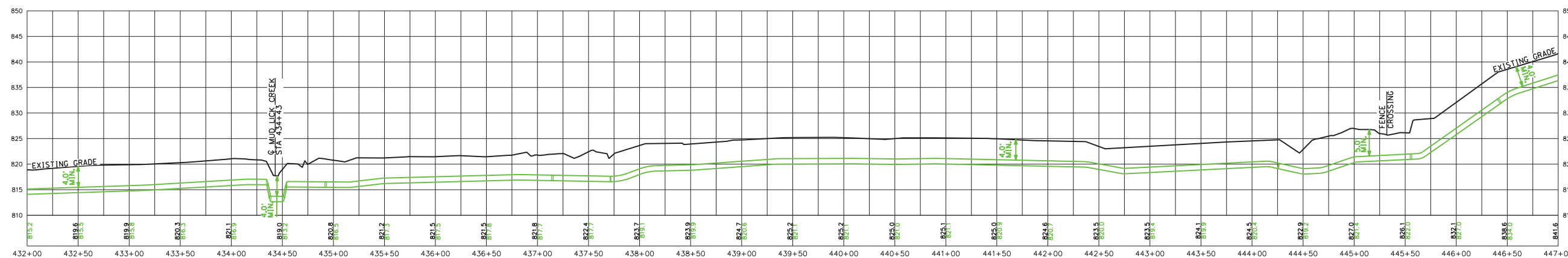


OWNERSHIP	← *264-GREENFIELD FARM INC →		← KYTC ROW →		← *264-GREENFIELD FARM INC →		KYTC ROW	*223-CHRIS BROOK FARM
PIPE DETAIL	INSTALL - 1500' 12" SWPC X-52 .250" W.T.							
SPECIAL CONDITIONS	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS	ASPHALT/PAVEMENT	BRUSH/GRASS	ASPHALT/PAVEMENT	GRAVEL/DRIVEWAY	BRUSH/GRASS

SKY-CDK-025
 STA. 434+43
 UNIT TO MUD
 LICK CREEK

SKY-CDK-026
 STA. 442+62
 UNIT TO MUD
 LICK CREEK

SKY-CDK-027
 STA. 444+39
 UNIT TO MUD
 LICK CREEK



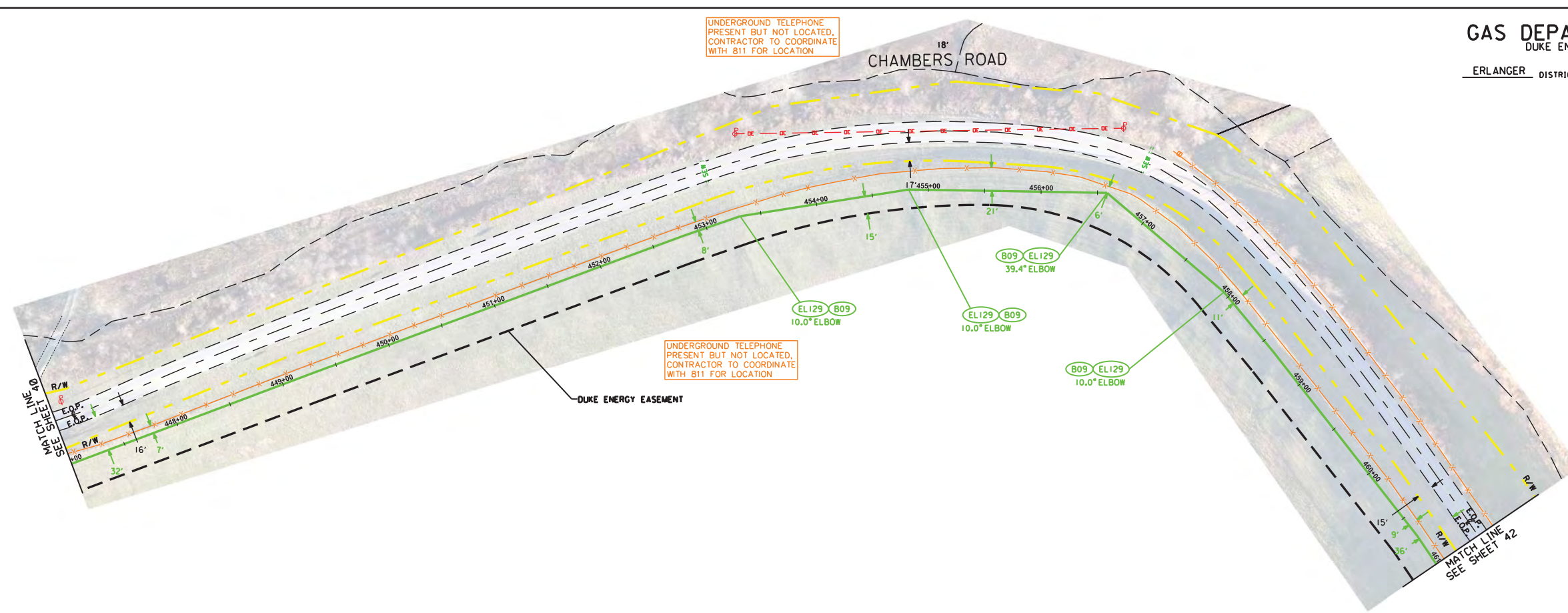
PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50')
 (VERTICAL SCALE: 1"=10')

SEPTEMBER 25, 2017

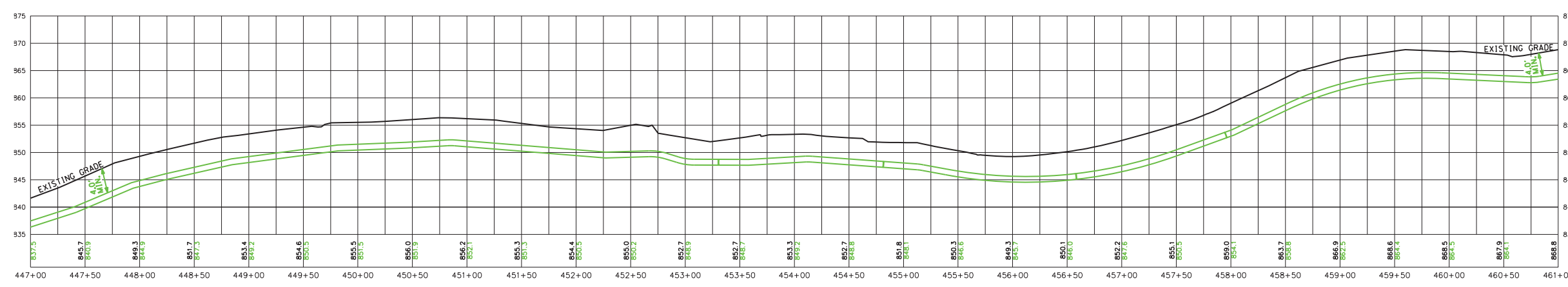
REVISIONS

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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OWNERSHIP	← 223-CHRIS BROOK FARM →
PIPE DETAIL	INSTALL - 1400' 12" SWPC X-52 .250" W.T.
SPECIAL CONDITIONS	BRUSH/GRASS



REVISIONS

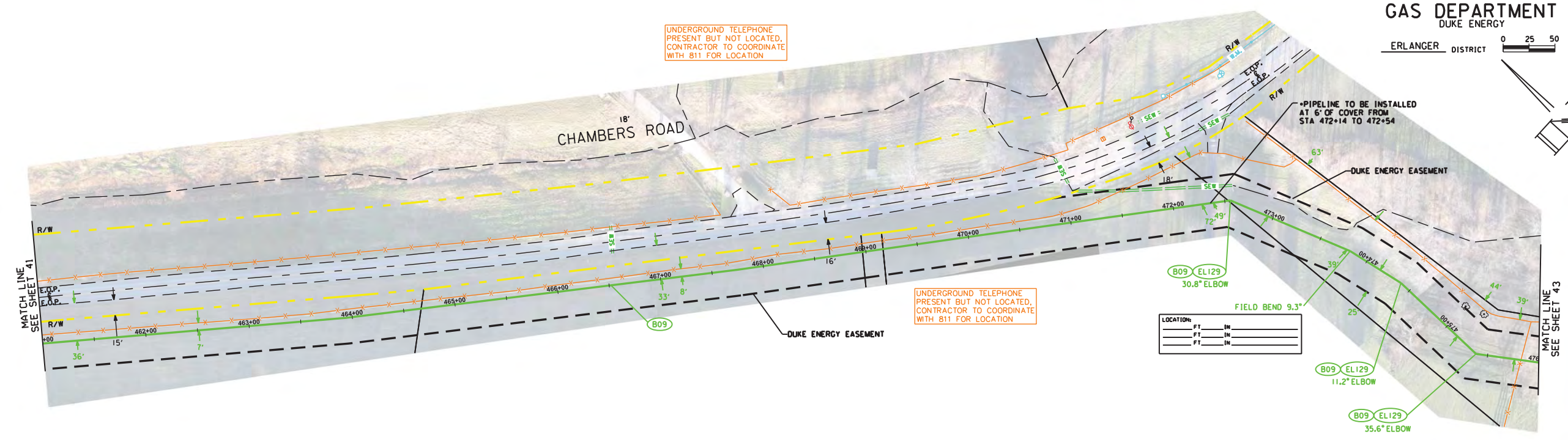
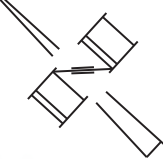
REVISION 2: UPDATED TO REPLACE FIELD BENDS WITH FITTINGS AROUND CURVE.

PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50'
 (VERTICAL SCALE: 1"=10')

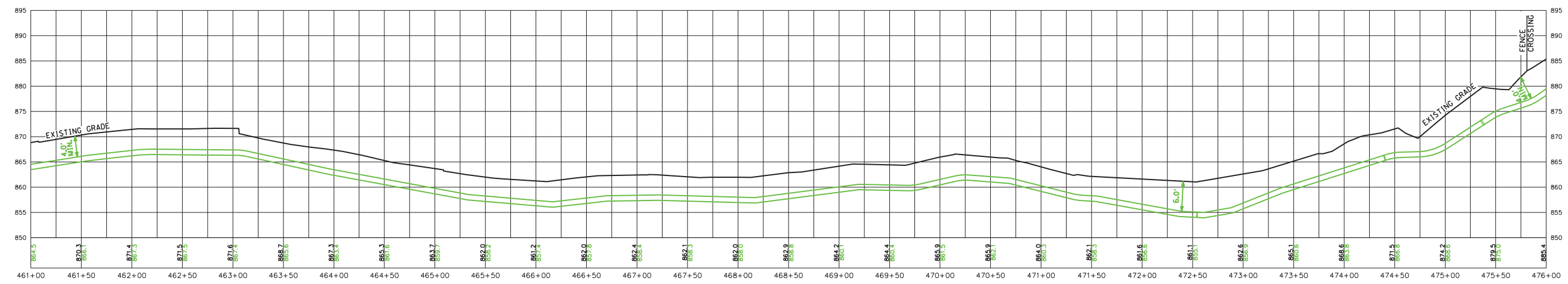
SEPTEMBER 25, 2017

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

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OWNERSHIP	← *223-CHRIS BROOK FARM →	← *225-CHRIS BROOK FARM →	← *227-CHRIS BROOK FARM →	← *231-CHRIS BROOK FARM →
PIPE DETAIL	INSTALL - 1500' 12" SWPC X-52 .250" W.T.			
SPECIAL CONDITIONS		BRUSH/GRASS	ASPHALT DRIVEWAY	BRUSH/GRASS



REVISIONS

REVISION 1: ADDED 6' COVER NOTE ON PLAN VIEW.

PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50')
 (VERTICAL SCALE: 1"=10')

SEPTEMBER 25, 2017

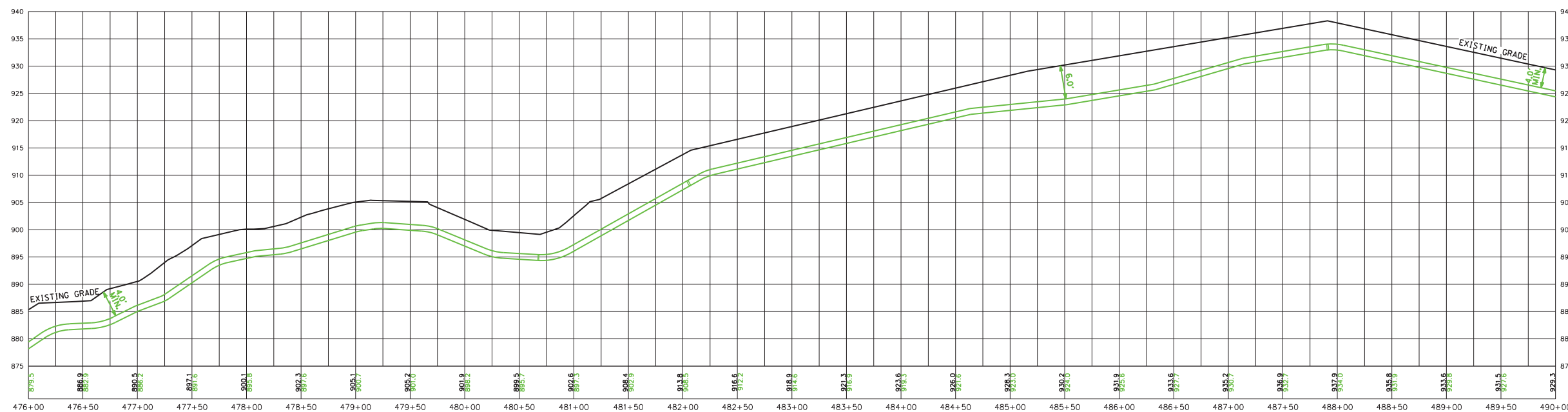
GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

43
54

0 25 50



OWNERSHIP	← #231-CHRIS BROOK FARM →	#233-CRAIG SHANNON D & JENNIFER J
PIPE DETAIL	INSTALL - 1400' 12" SWPC X-52 .250" W.T.	
SPECIAL CONDITIONS	BRUSH/GRASS	



REVISIONS

REVISION 1: ADDED 6' COVER NOTE ON PLAN VIEW.

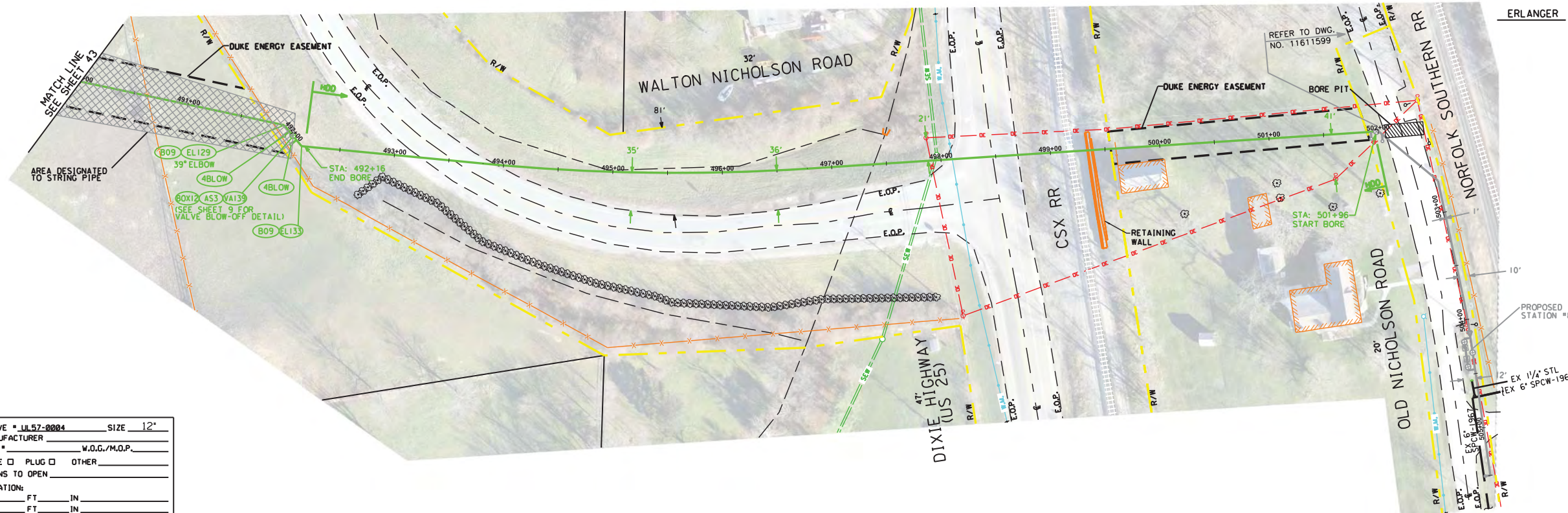
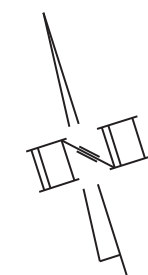
PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

SEPTEMBER 25, 2017

GAS DEPARTMENT
 DUKE ENERGY
 ERLANGER DISTRICT

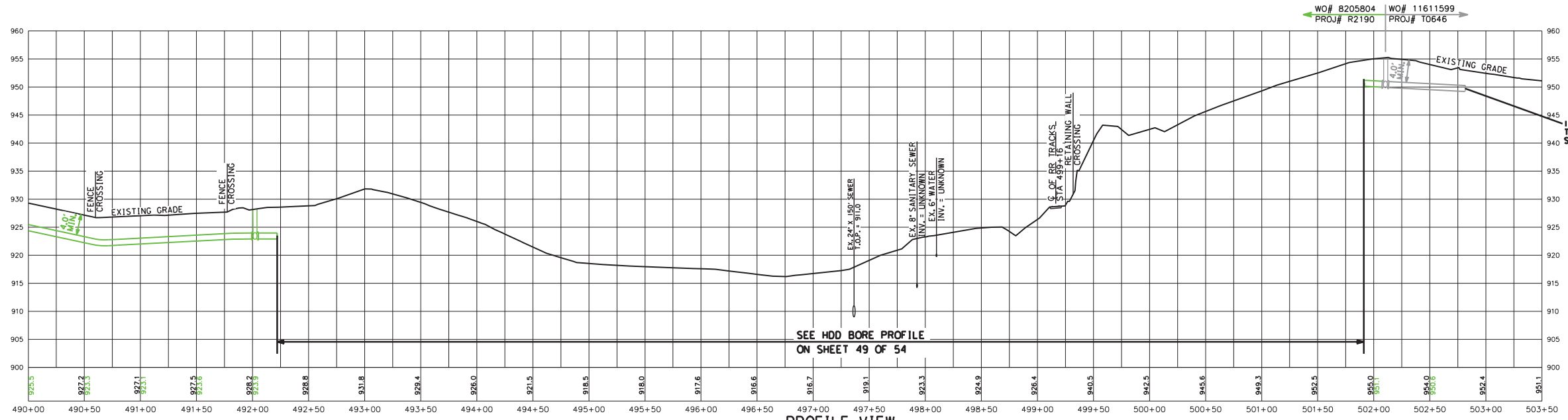
44
54

0 25 50



VALVE #	UJ57-0004	SIZE	12"
MANUFACTURER			
FIG. #		W.O.C./M.O.P.	
GATE	<input type="checkbox"/> PLUG <input type="checkbox"/> OTHER		
TURNS TO OPEN			
LOCATION:			
	FT	IN	
	FT	IN	
	FT	IN	
BOX <input type="checkbox"/> PIT <input type="checkbox"/> COVER AT MAIN		FT	IN
PRESSURE STEMS LOCATED		N	S
		E	W
REMARKS			

OWNERSHIP	← 233-CRAIG SHANNON D & JENNIFER J →	← KYTC ROW →	← 241-CITY OF WALTON →	← KYTC ROW →
PIPE DETAIL	INSTALL - 215' 12" SWPC X-52 .250" W.T.	HDD - 980'	12" SWPC X-52 .250" W.T. (POWERCRETE)	PART OF W.O.#11611599 12" SWPC X-52 .250" W.T.
SPECIAL CONDITIONS	BRUSH/GRASS	ASPHALT/PAVEMENT	BRUSH/GRASS	ASPHALT/PAVEMENT BRUSH/GRASS



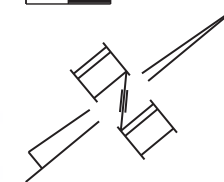
PROFILE VIEW
 (HORIZONTAL SCALE: 1"=50')
 (VERTICAL SCALE: 1"=10')

SEPTEMBER 25, 2017

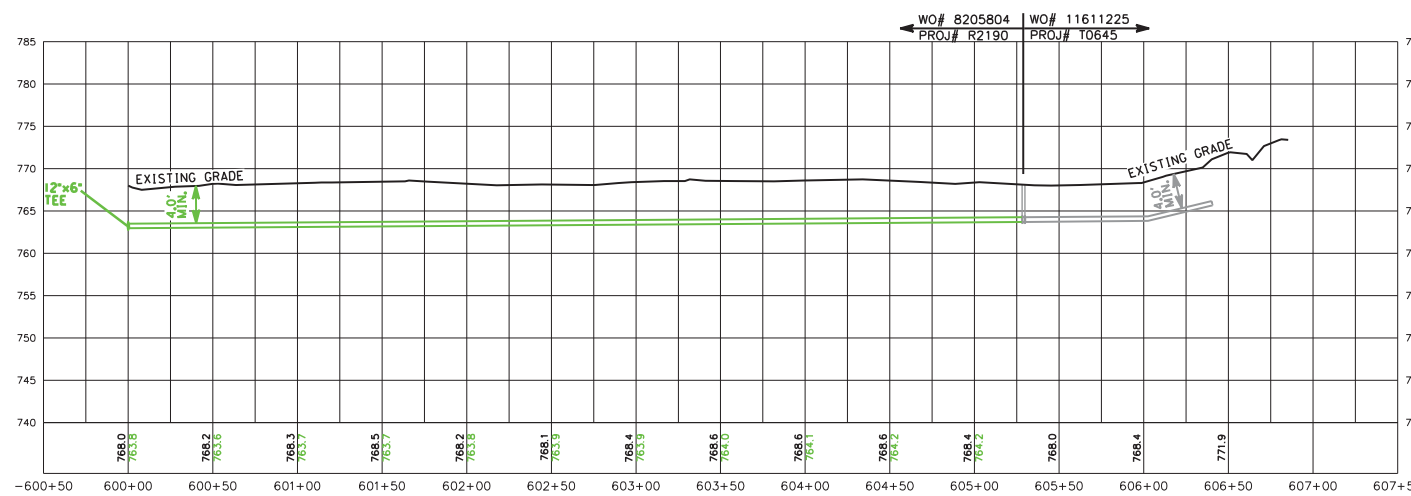
REVISIONS

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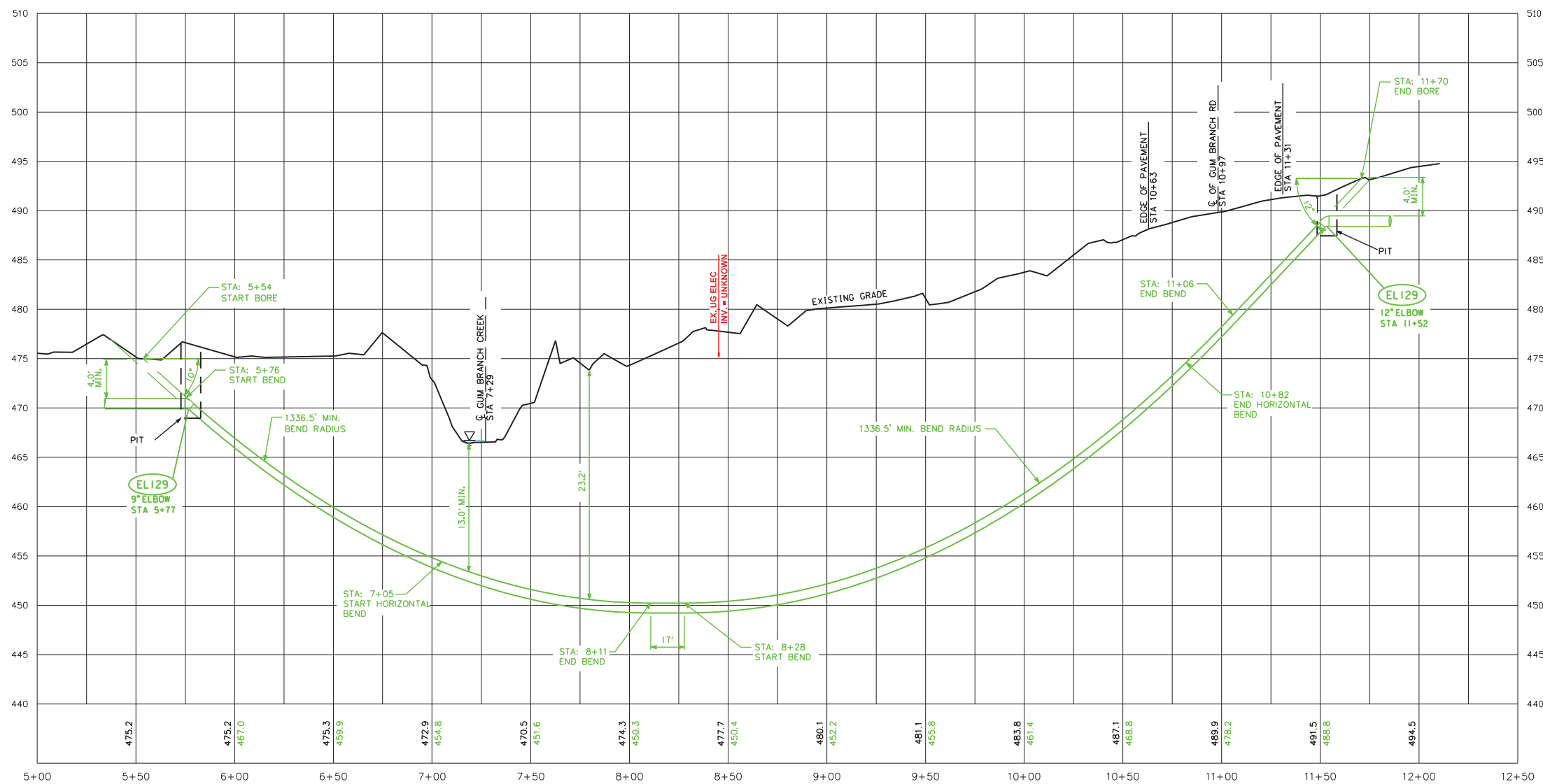
OWNERSHIP	KYTC ROW	← *178-CAID RUSSELL D & RUTH LAVERNE →	*801-ESTATES OF RICHWOOD	KYTC ROW	← *176-RICHWOOD PRESBYTERIAN CHURCH →
PIPE DETAIL	INSTALL - 534'		PART OF W.O.#11611225		
	6" SWPC X-52			6" SWPC X-52	
SPECIAL CONDITIONS	BRUSH/GRASS				



PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

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SEPTEMBER 25, 2017

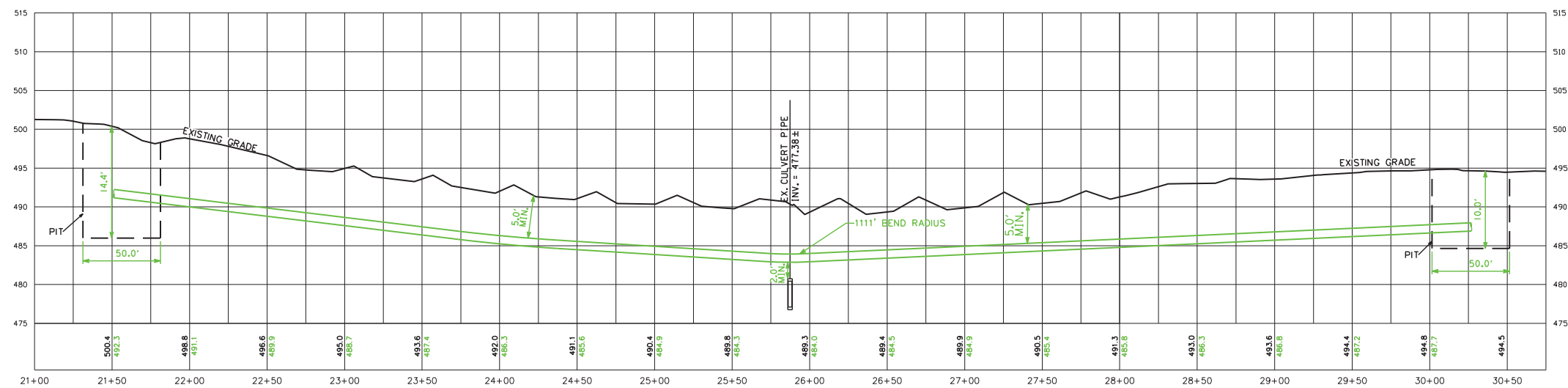


**GUM BRANCH RD
 PROFILE VIEW**
 (HORIZONTAL SCALE: 1"=30')
 (VERTICAL SCALE: 1"=6')
 (SEE PLAN VIEW ON SHEET 8 OF 54)

Entry Angle	10°
Vertical Bend Radius	1336.5'
Horizontal Bend Radius	N/A
Vertical Bend Radius	1336.5'
Horizontal Bend Radius	2000'
Exit Angle	12°
Total Bore Length	616'
Stringing Area Length	206'

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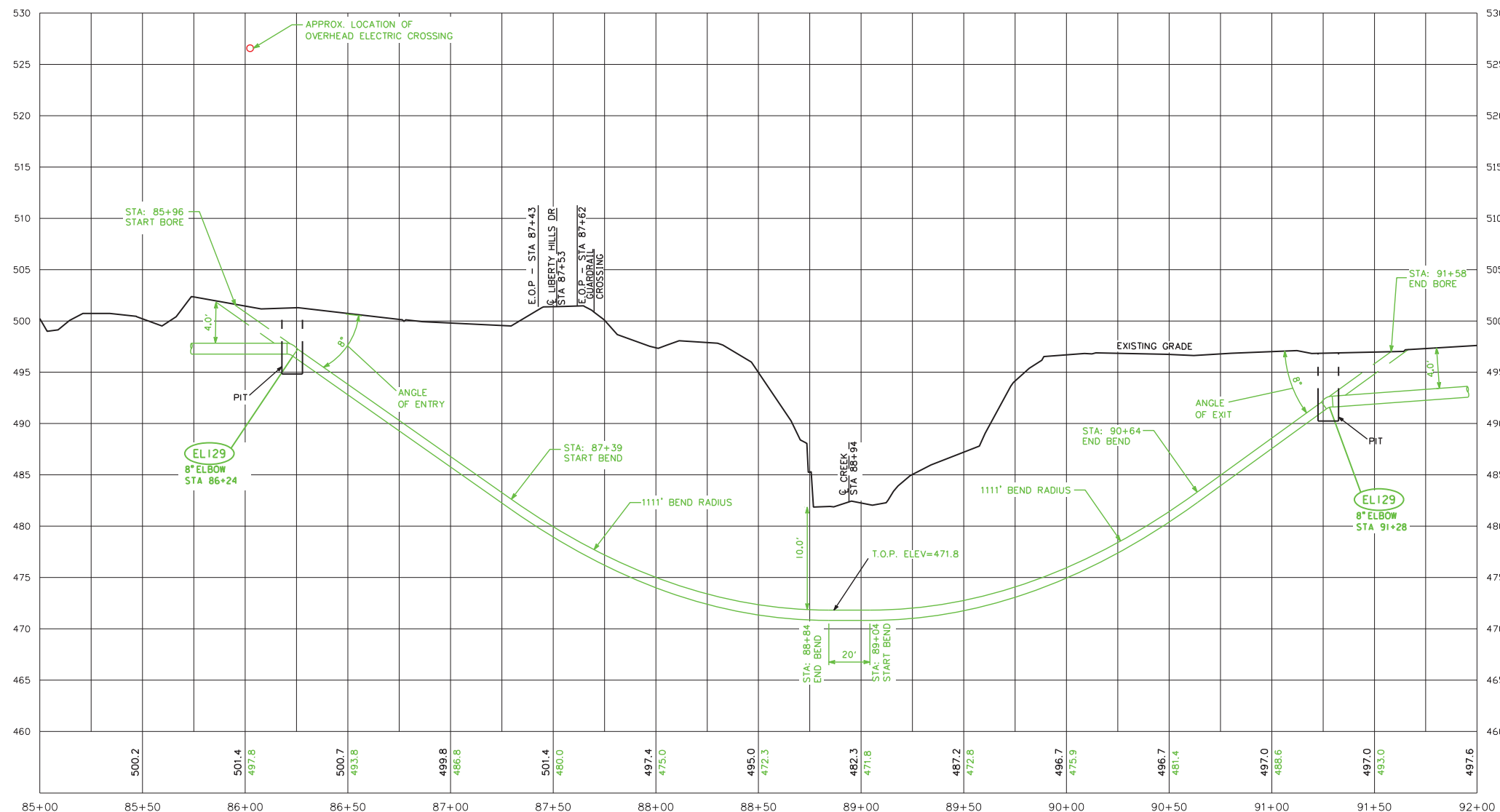
BEAVER RD PROFILE VIEW

(HORIZONTAL SCALE: 1"=40')
 (VERTICAL SCALE: 1"=8')
 (SEE PLAN VIEW ON SHEET 10 & 11 OF 54)

Entry Angle	8°
Vertical Bend Radius	1111'
Horizontal Bend Radius	N/A
Vertical Bend Radius	1111'
Horizontal Bend Radius	N/A
Exit Angle	8°
Total Bore Length	563'
Stringing Area Length	563'

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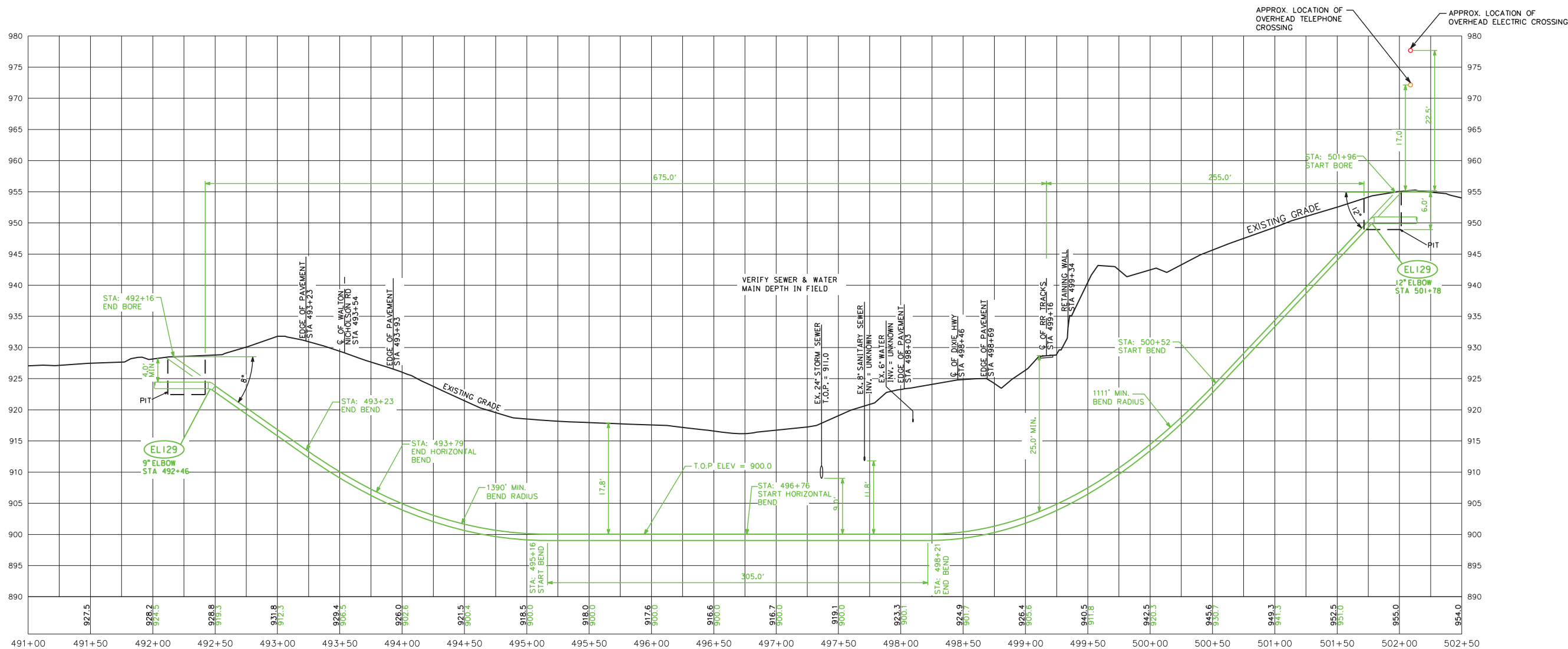


**LIBERTY HILLS DR
 PROFILE VIEW**
 (HORIZONTAL SCALE: 1"=30')
 (VERTICAL SCALE: 1"=6')
 (SEE PLAN VIEW ON SHEET 15 OF 54)

Entry Angle	8°
Vertical Bend Radius	1111'
Horizontal Bend Radius	N/A
Vertical Bend Radius	1111'
Horizontal Bend Radius	N/A
Exit Angle	8°
Total Bore Length	563'
Stringing Area Length	563'

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CSX RR HDD PROFILE VIEW
 (HORIZONTAL SCALE: 1"=40')
 (VERTICAL SCALE: 1"=8')
 (SEE PLAN VIEW ON SHEET 44 OF 54)
 CONTRACTOR SHALL INSTALL PIPELINE AS DESIGNED
 ON APPROVED PERMIT.

Entry Angle	12°
Vertical Bend Radius	1111'
Horizontal Bend Radius	N/A
Vertical Bend Radius	1390'
Horizontal Bend Radius	1850'
Exit Angle	8°
Total Bore Length	980'
Stringing Area Length	405'

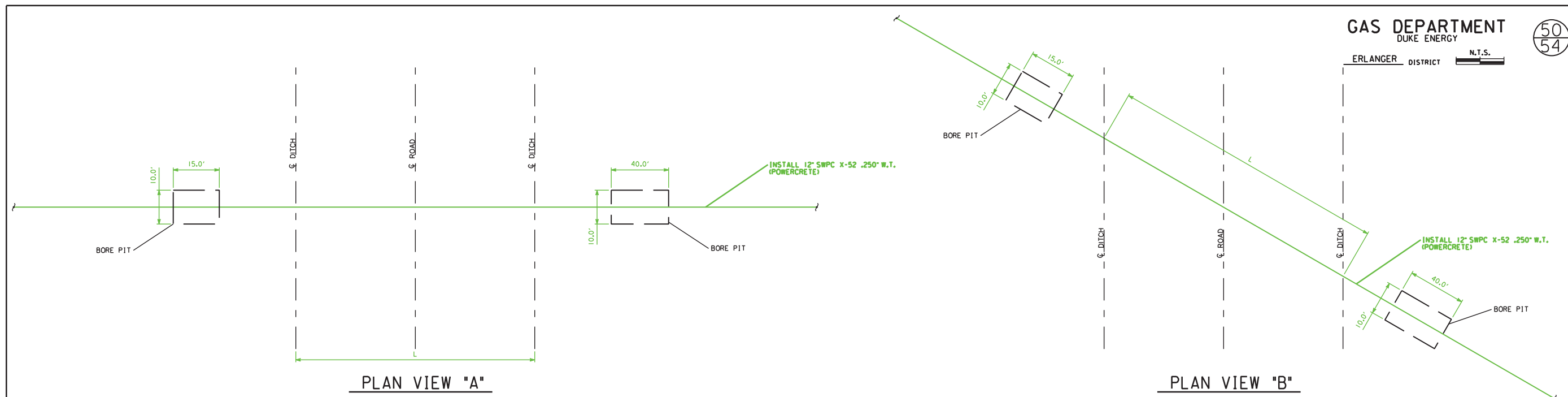
SEPTEMBER 25, 2017

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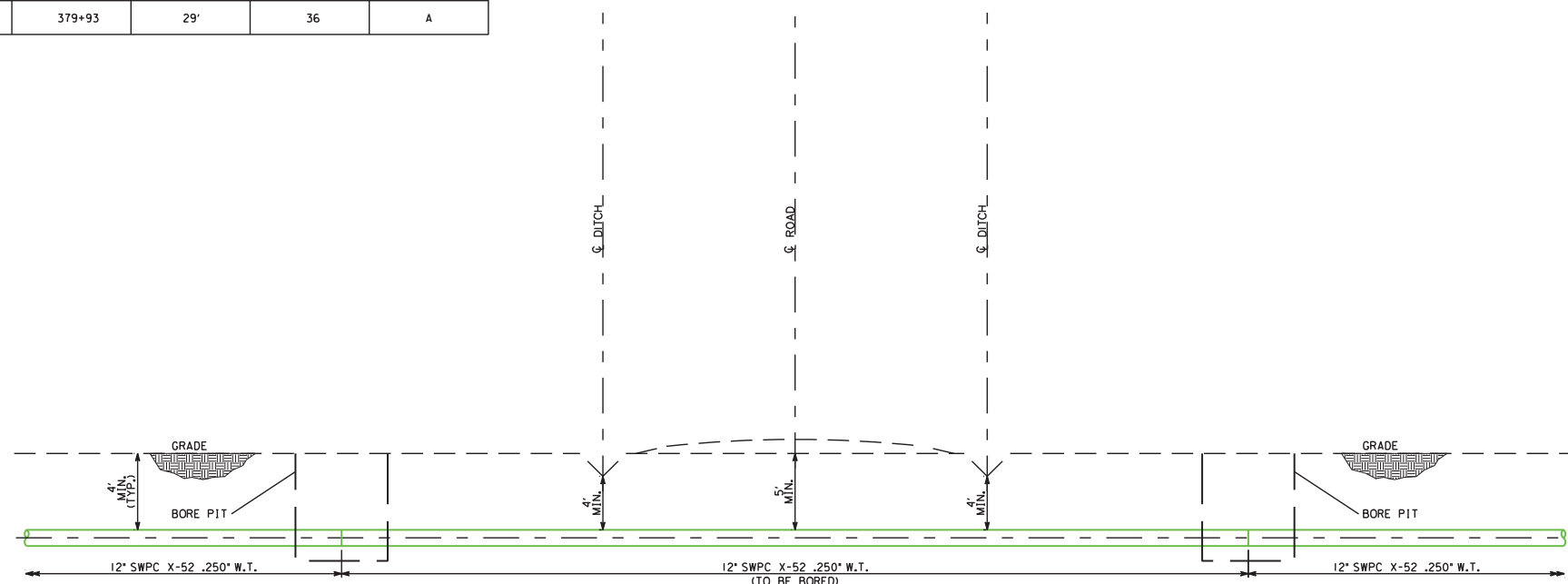
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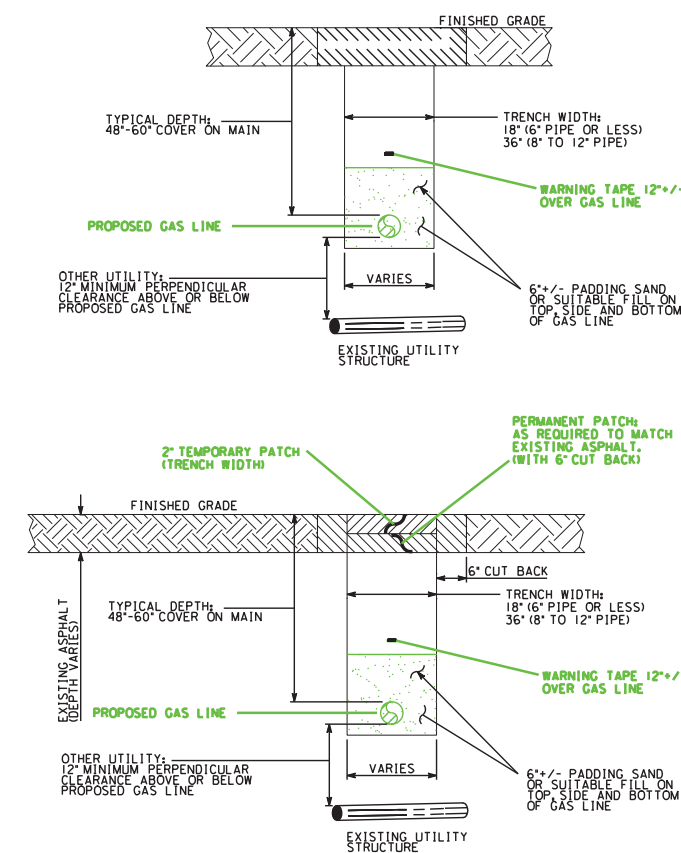
ERLANGER DISTRICT N.T.S.



ROAD	± STATION	LENGTH (L)	SHEET NO.	PLAN VIEW
BEAVER RD.	157+96	39'	19	B
BEAVER RD.	182+35	28'	21	A
US 42	204+72	36'	23	B
SUNCREST DR.	356+70	31'	34	B
DECKER LN.	379+93	29'	36	A



ELEVATION VIEW

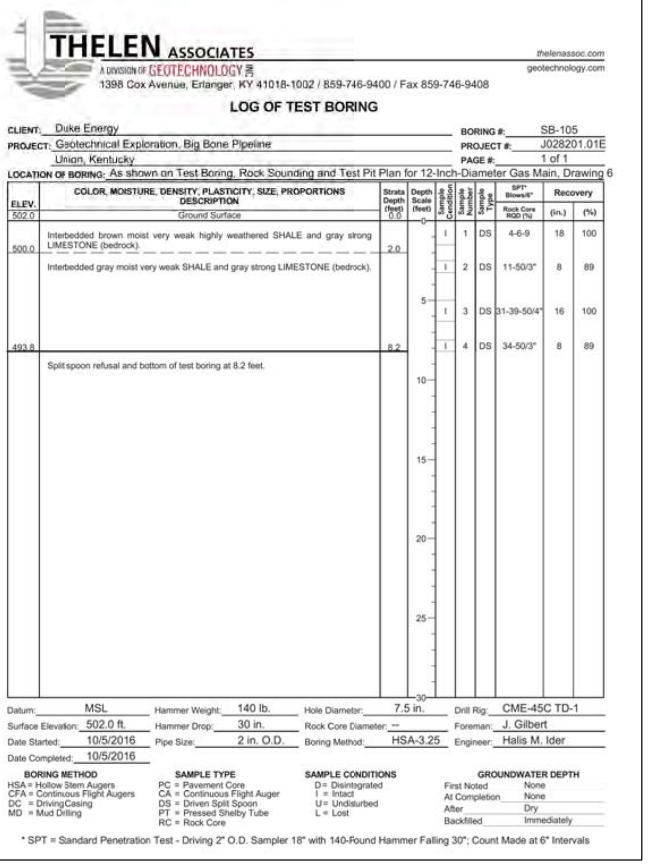
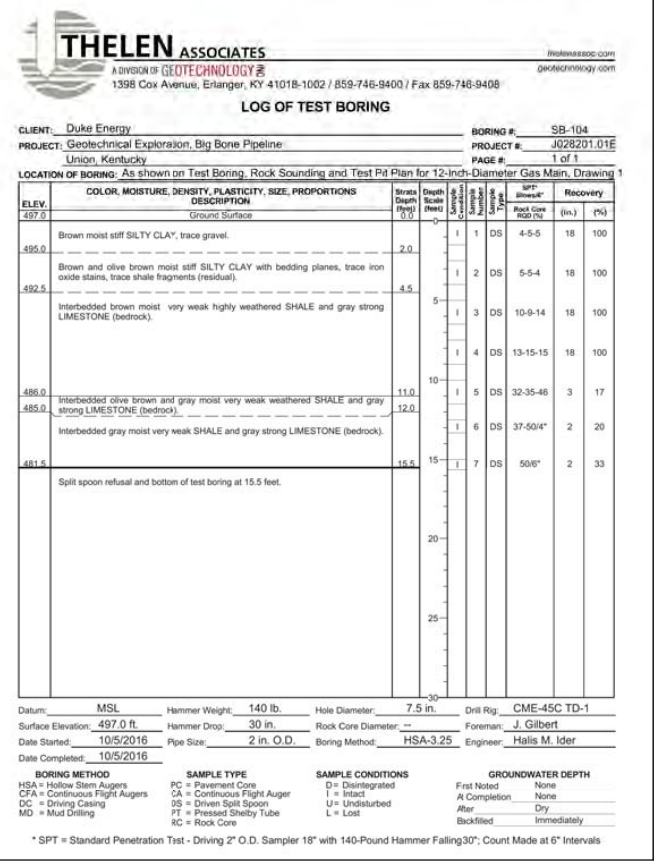
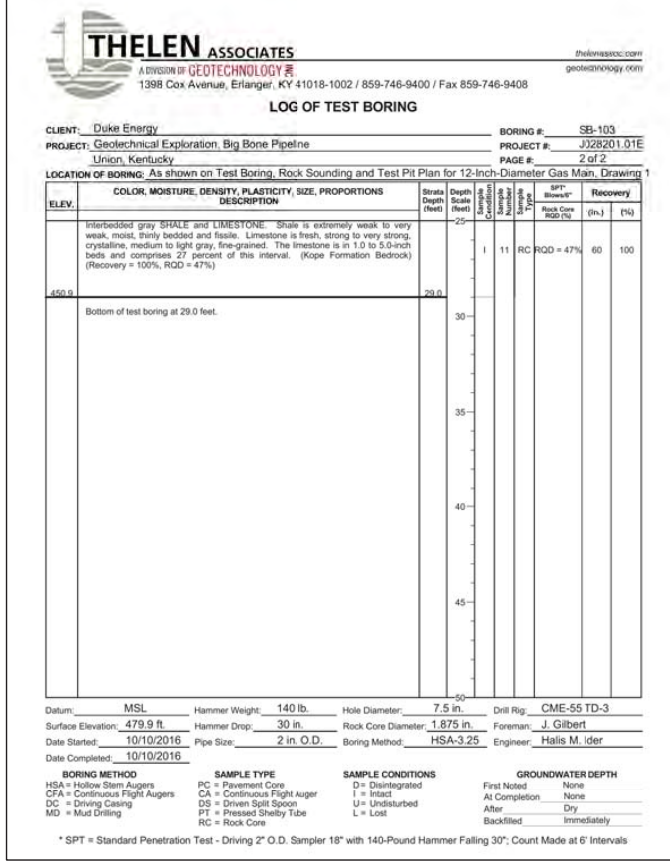
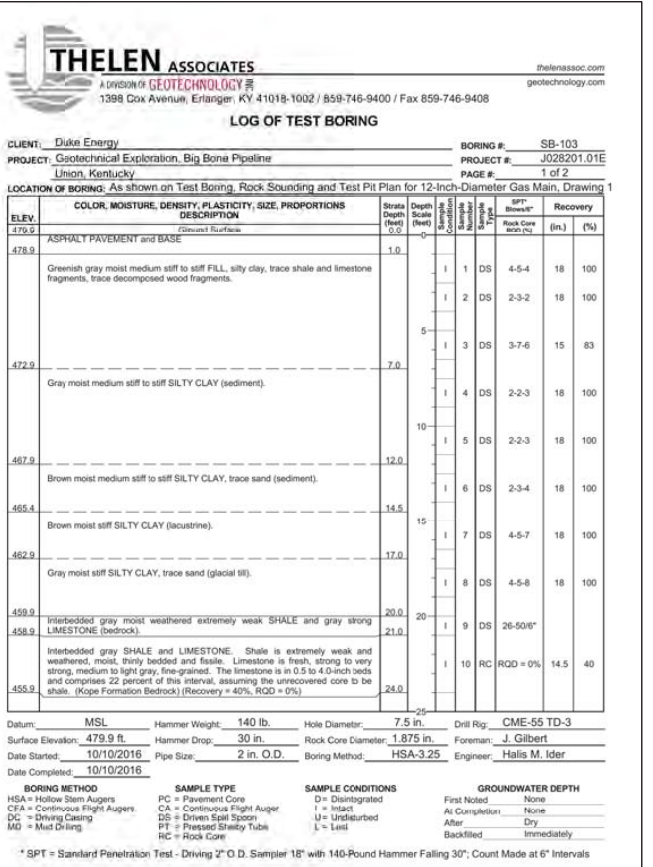
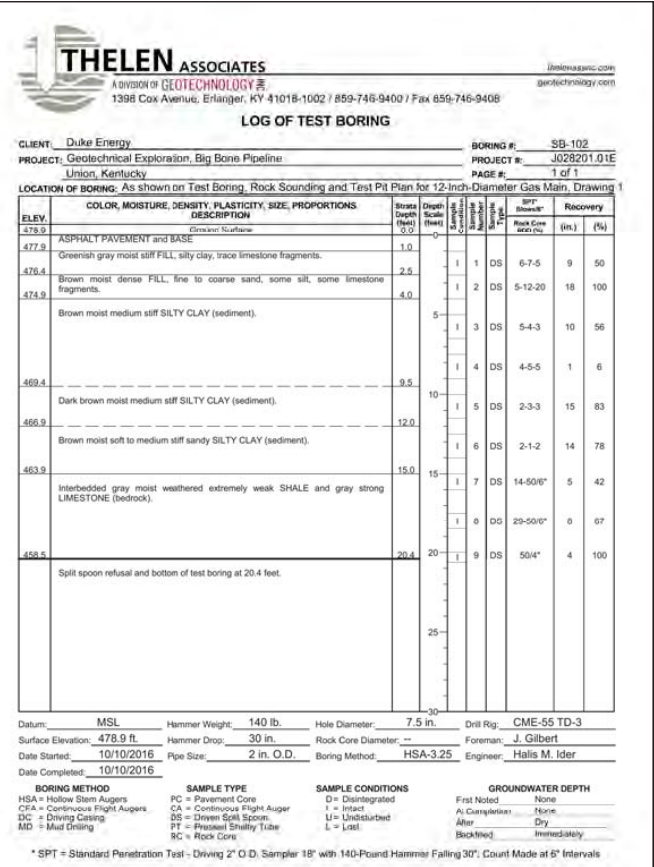
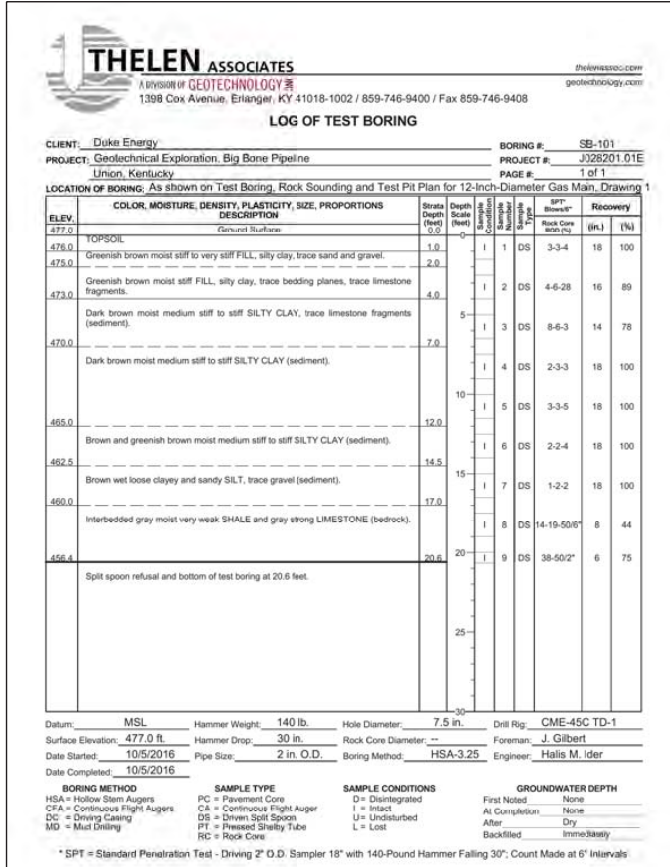


TRENCH DETAIL

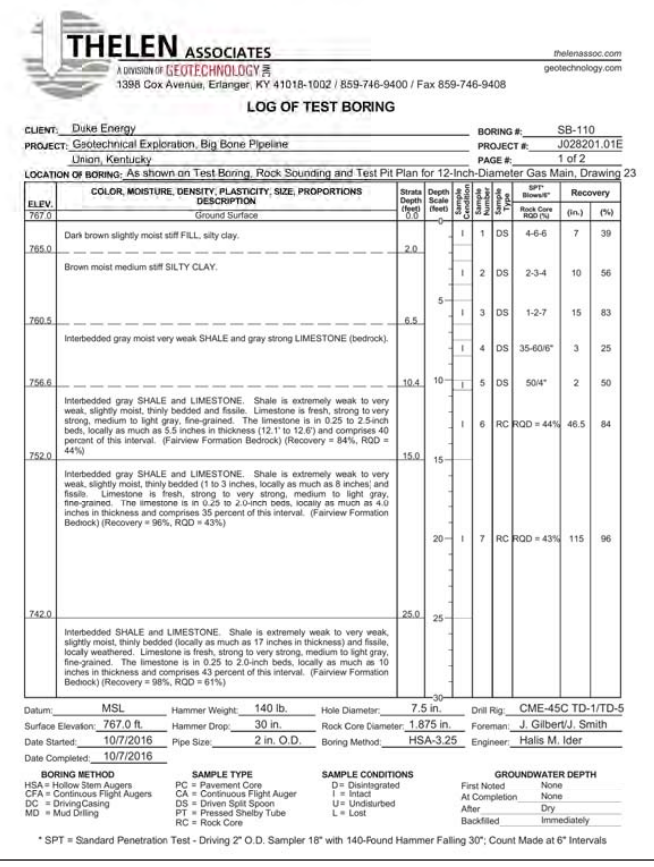
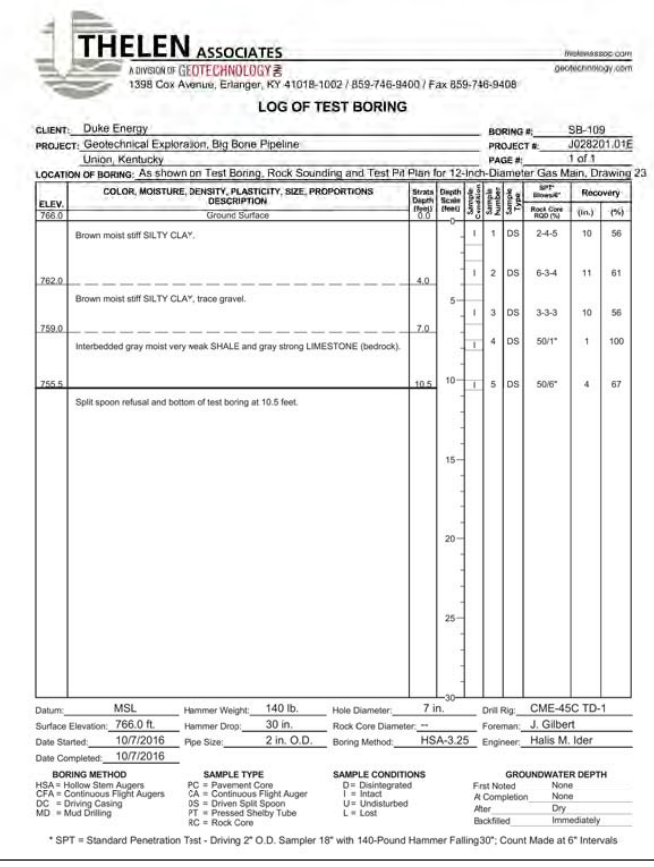
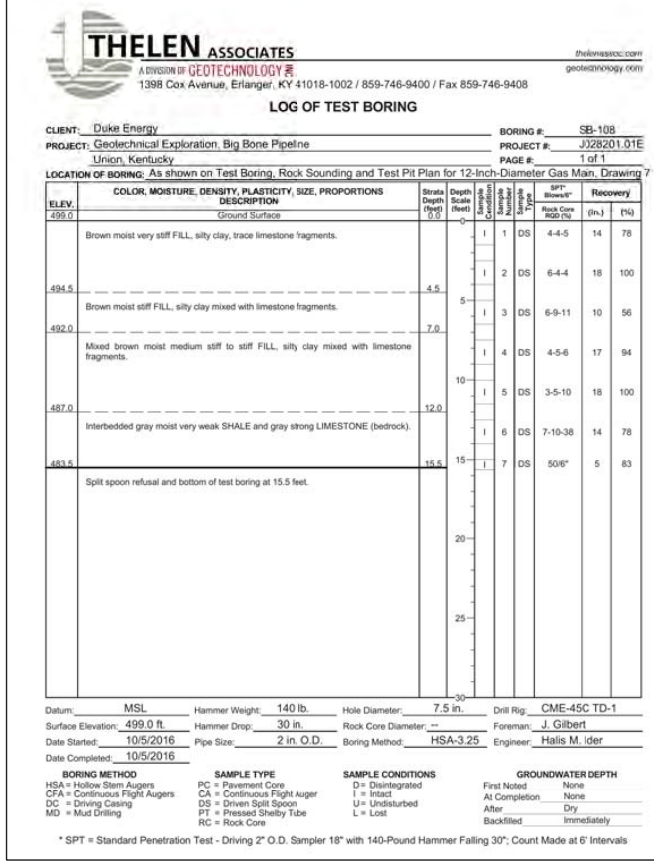
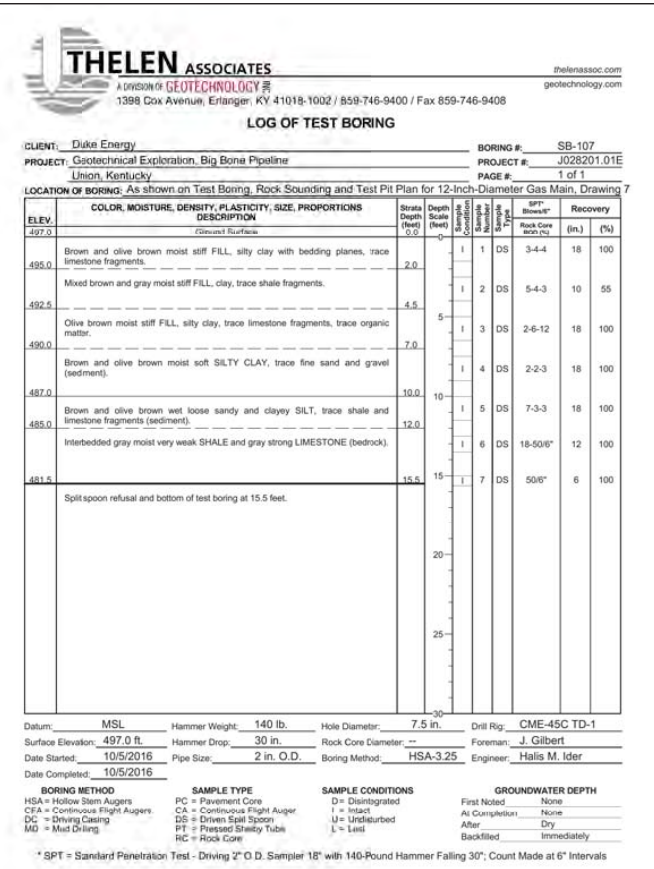
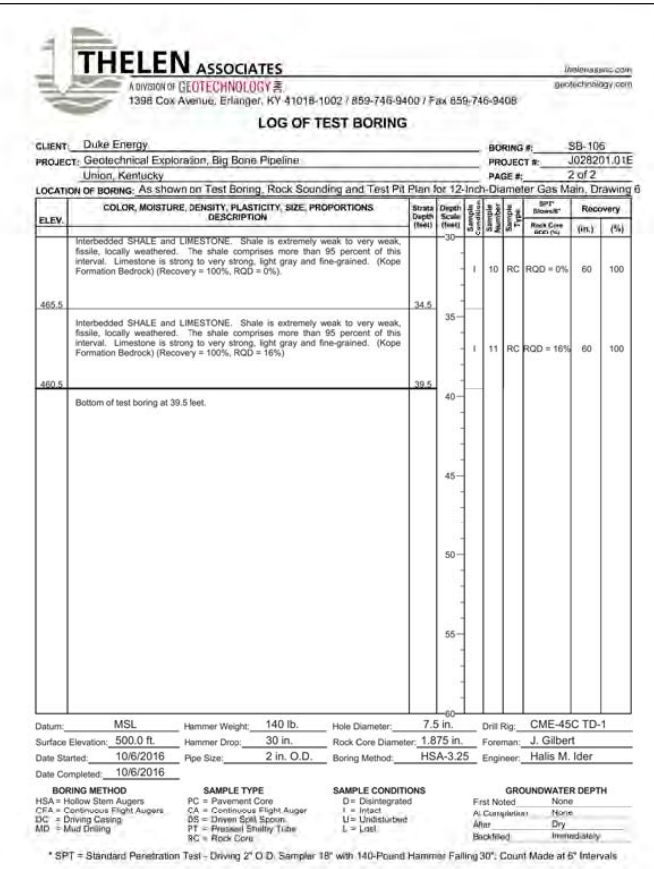
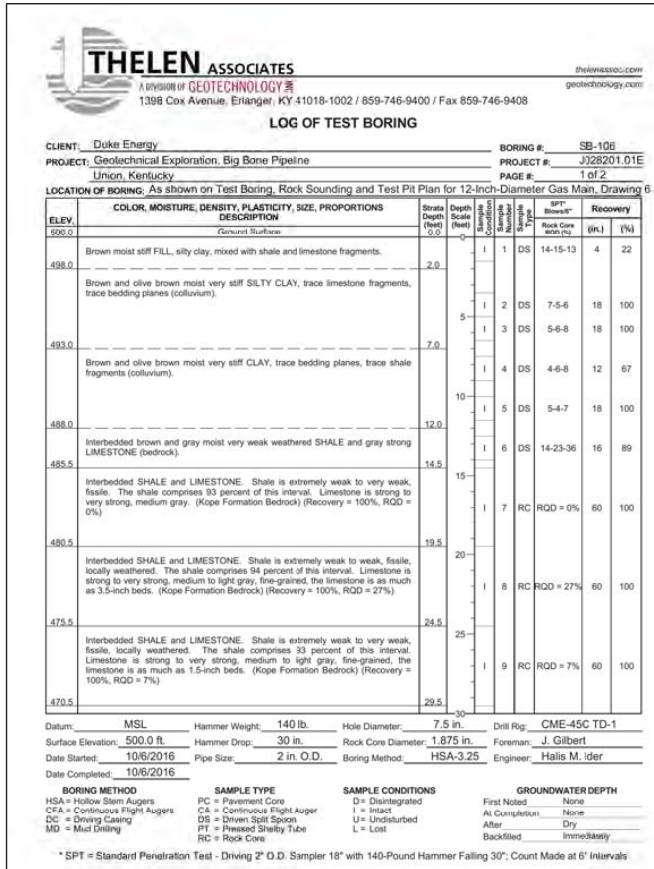
SEPTEMBER 25, 2017

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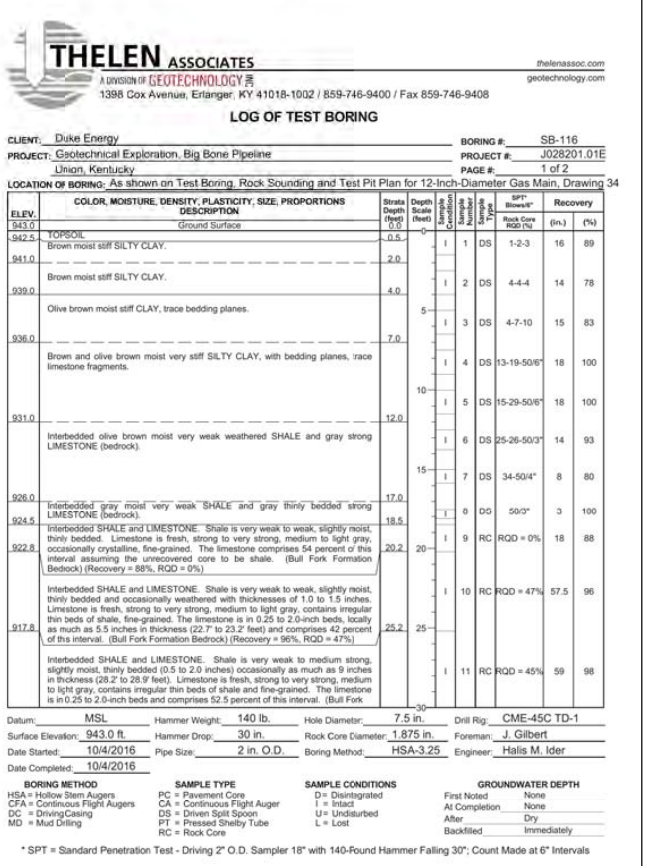
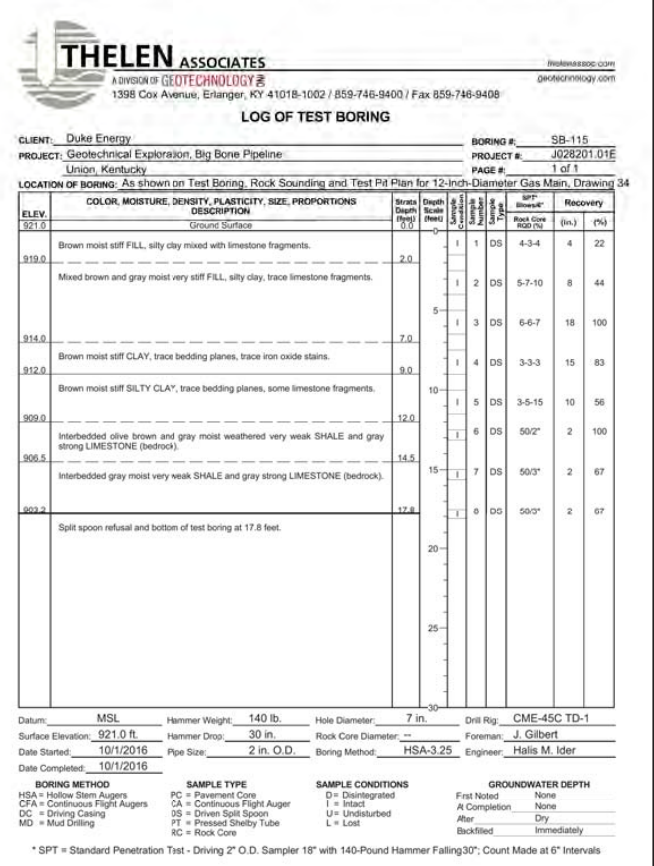
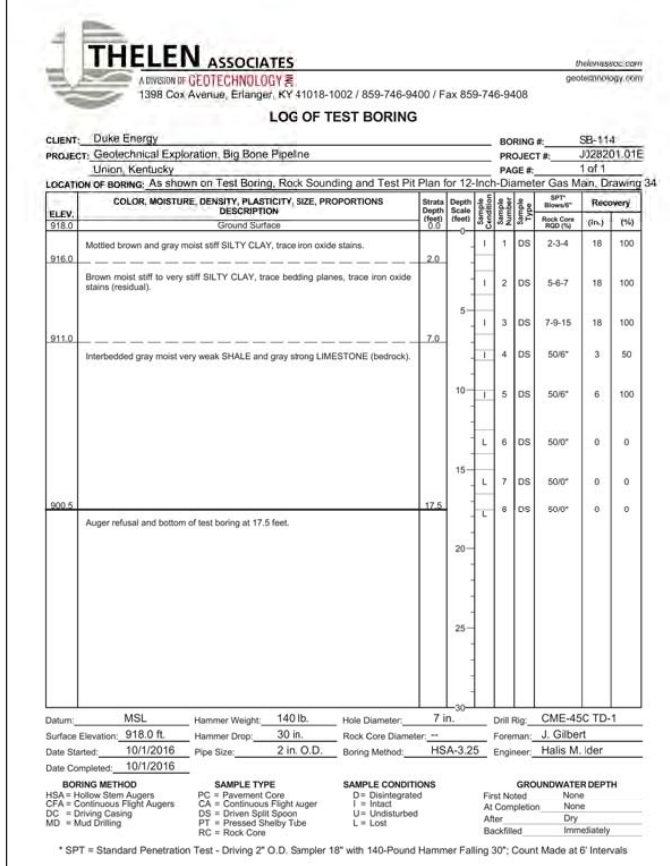
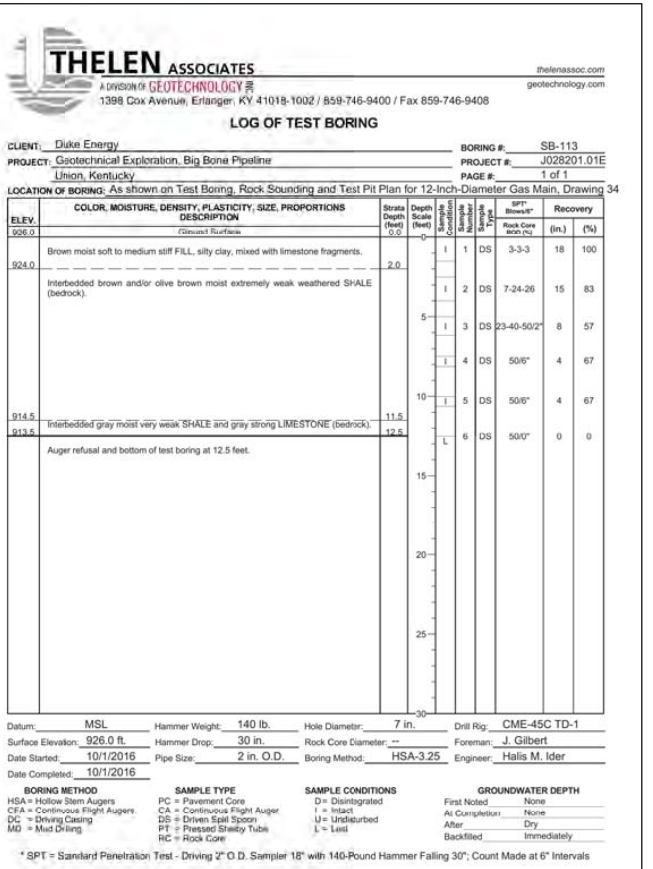
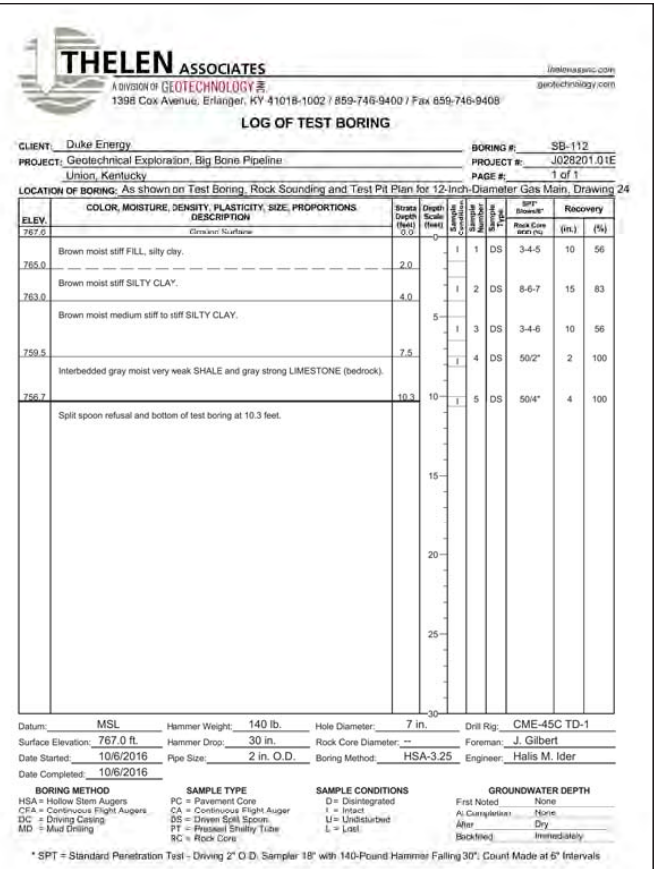
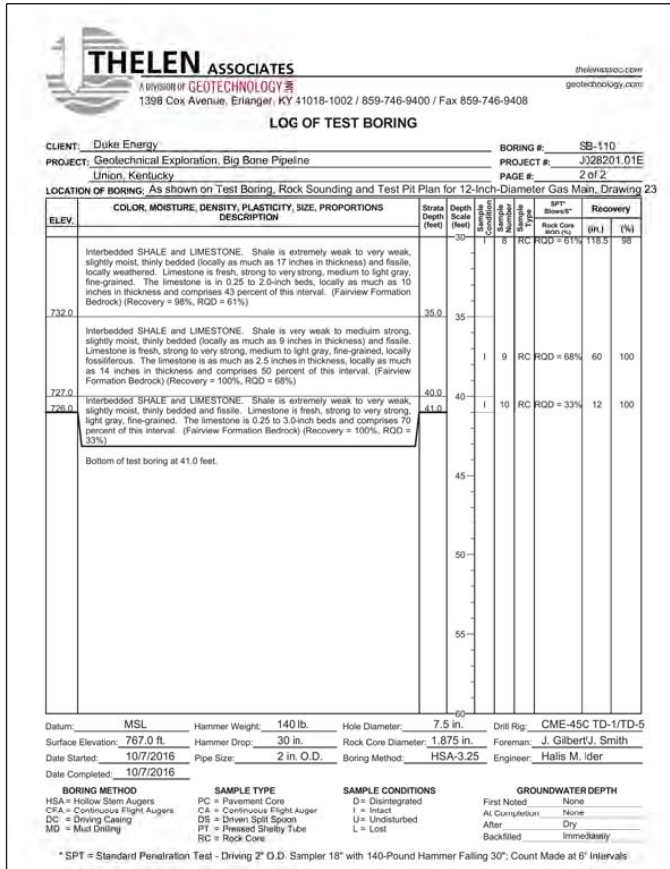
CONTRACTOR SHALL INSTALL ALL FACILITIES SHOWN ON THIS DRAWING, UNLESS OTHERWISE NOTED.



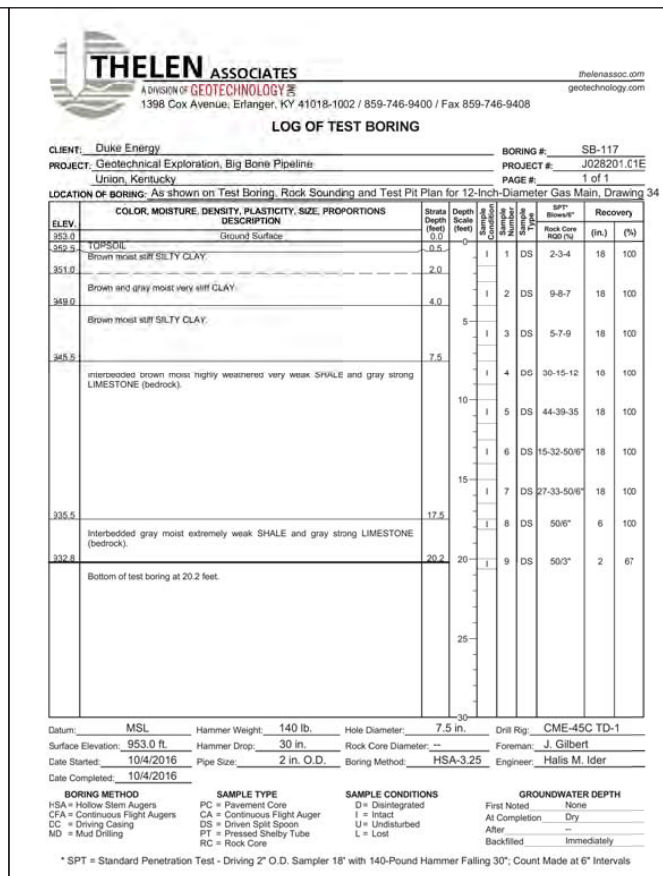
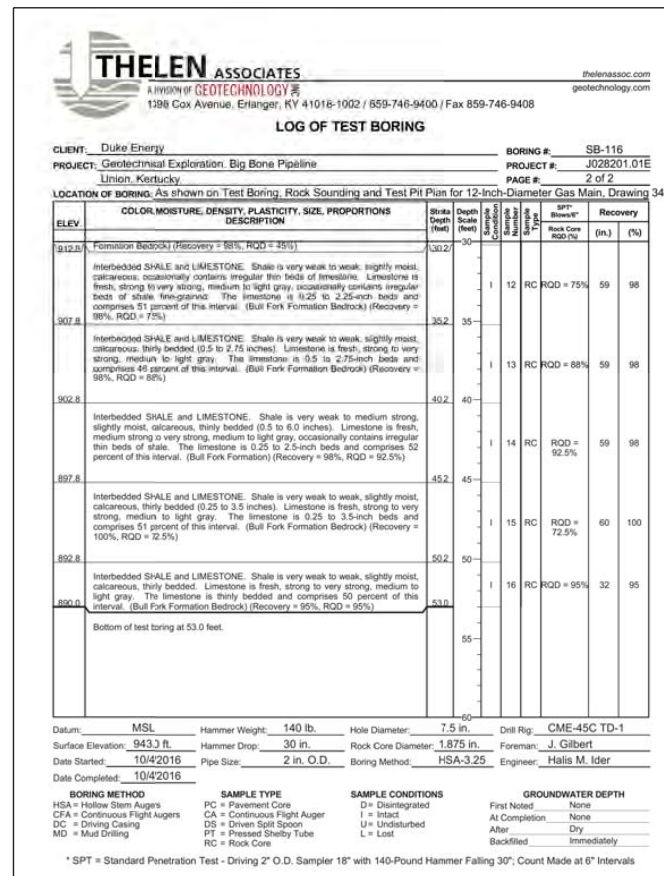
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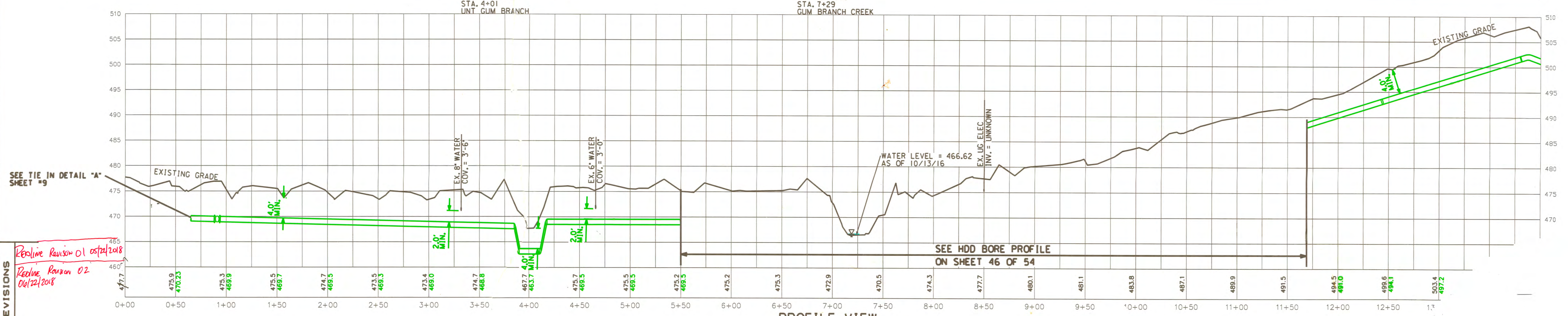
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ERLANGER DISTRICT
DUKE ENERGY-EASEMENT



LOCATION:	FT	IN
	FT	IN
	FT	IN

OWNERSHIP	← KYTC ROW →		← #6-TARGET NELLIE FRANCES →	
PIPE DETAIL	INSTALL - 554' 12" SWPC X-52 .250" W.T.	HDD - 621' 12" SWPC X-52 .250" W.T. (POWERCRETE)	INSTALL - 229' 12" SWPC X-52 .250" W.T.	
SPECIAL CONDITIONS	BRUSH/GRASS	BRUSH/GRASS	ASPHALT/PAVEMENT	BRUSH/GRASS



PROFILE VIEW
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=10'

REVISIONS
Revised Revision 01 08/22/2018
Revised Revision 02 08/22/2018

