

CITY OF LUCAS, TEXAS CONSTRUCTION PLANS FOR

BLONDY JHUNE ROAD RECONSTRUCTION

MAYOR
JIM OLK

CITY COUNCIL

KATHLEEN PEELE

STEVE DUKE

WAYNE MILLSAP

PHILIP LAWRENCE

TIM BANEY

DEBBIE FISHER

CITY MANAGER

JONI CLARKE, CPM

CITY ENGINEER

STANTON FOERSTER, P.E.



OWNER
CITY OF LUCAS
665 COUNTRY CLUB ROAD
LUCAS, TX. 75002

ENGINEER OF RECORD:

LAKES
ENGINEERING, INC.

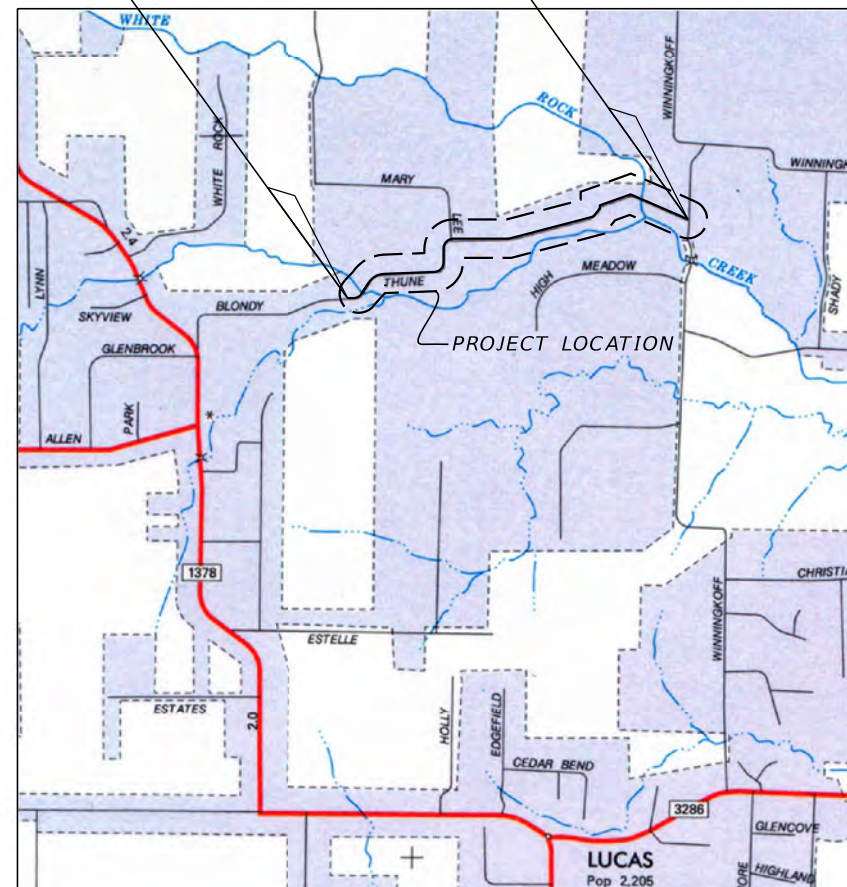
CHRISTOPHER P. MESZLER, P.E.
LIC. No. 112052
1903 CENTRAL DRIVE, SUITE #405
BEDFORD, TX 76021
PHONE: 817.618.3640
TBPE REG. F-15243
WWW.LAKESENG.COM



01/11-2019

BEGIN PROJECT
STA. 108+45.13

END PROJECT
STA. 176+70.18



VICINITY MAP

INDEX OF SHEETS

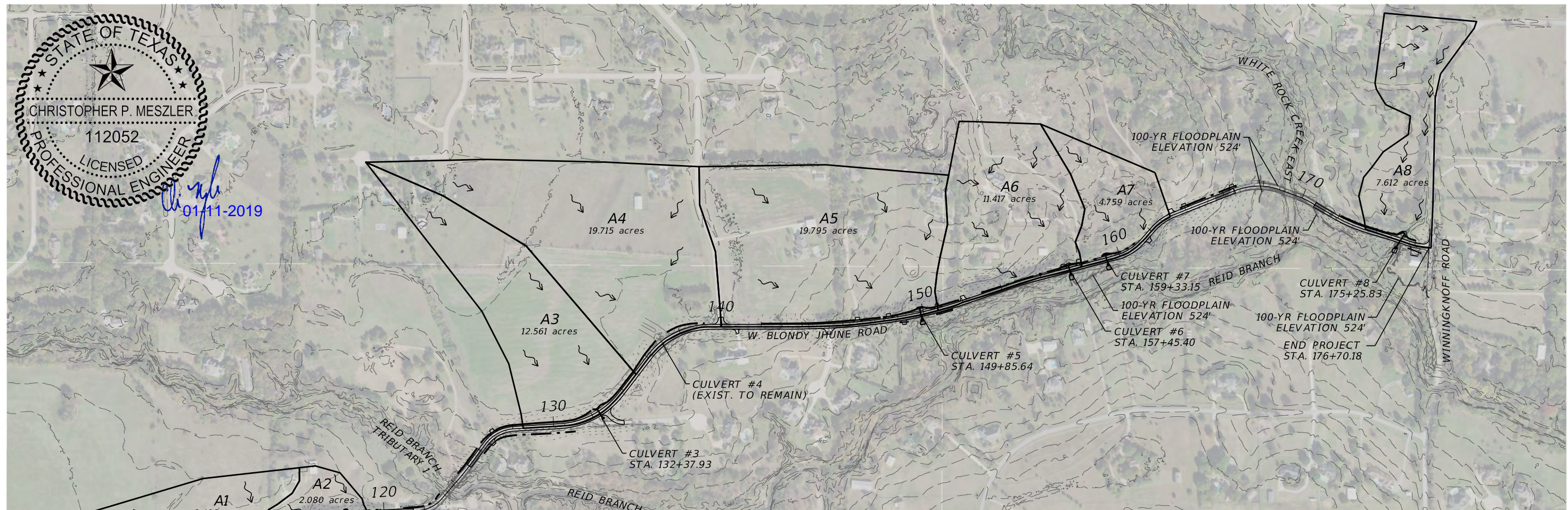
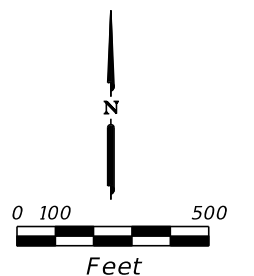
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INDEX OF STANDARDS

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BC(1-12)-14	BARRICADE AND CONSTRUCTION
CCCG12	CONCRETE CURB AND CURB AND GUTTER
CHFW00SE	CONCRETE HEADWALLS W/ FLARED WINGS (0° SKEW)
CHFW30SE	CONCRETE HEADWALLS W/ FLARED WINGS (30° SKEW)
CHFW45SE	CONCRETE HEADWALLS W/ FLARED WINGS (45° SKEW)
CRCP(1)-17	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT
DI-1-02 (FW)	DROP INLET DETAILS TYPE 1 & 1-C
EC(2)-16	ROCK FILTER DAMS
EC(3)-16	CONSTRUCTION EXITS
JS-14	CONCRETE PAVING DETAILS JOINT SEALS
MB-15(1)	MAILBOX MOUNTING AND SPACING
PM(1-2)-12	TYPICAL STANDARD PAVEMENT MARKINGS
PSET-RP	PRECAST SAFETY END TREATMENT (TYPE II) PARALLEL DRAINAGE
PSET-RR	PRECAST SAFETY END TREATMENT (TYPE II) RIPRAP DETAILS
RS(3)-13	CENTERLINE RUMBLE STRIPS ON TWO LANE TWO-WAY HIGHWAYS
RS(4)-13	EDGE LINE RUMBLE STRIPS ON UNDIVIDED OR TWO LANE HIGHWAYS
SMD(GEN)-08	SIGN MOUNTING DETAILS SMALL ROADSIDE SIGNS GENERAL NOTES AND DETAILS
SMD(TWT)-08	WEDGE & UNIVERSAL ANCHOR W/ THIN WALL TUBING POST
TCP(1-3)-18	TRAFFIC CONTROL PLAN TRAFFIC SHIFTS ON TWO LANE ROADS
TCP(1-5)-18	TRAFFIC CONTROL PLAN LANE CLOSURES FOR DIVIDED HIGHWAYS
TCP(3-1)-13	TRAFFIC CONTROL PLAN MOBILE OPERATIONS UNDIVIDED HIGHWAYS
TCP(7-1)-13	TRAFFIC CONTROL DETAILS FOR SURFACING OPERATIONS
WZ(RCD)-13	WORK ZONE ROAD CLOSURE DETAILS

KEY SHEET REVISIONS	
DATE	DESCRIPTION

Basin	Impervious Area	Pervious Area	Total Area (A)	Runoff Coefficient (C)	Hydraulic Length Overland (L1)	Hydraulic Length Shallow (L2)	Hydraulic Length Main Channel (L3)	Overland Slope (s)	Longitudinal Slope (S2)	Main Channel Slope (S3)	Hydraulic Radius (R)	Rainfall Intensity (i)*	Time of Conc. Overland (t1)	Time of Conc. Shallow (t2)	Time of Conc. Main Channel (t3)	Total Time of Conc. (tt)	Peak Discharge Flow (Q)
	(ac)	(ac)	(ac)		(ft)	(ft)	(ft)	(ft/ft)	(%)	(ft/ft)	(sf/ft)	(in/hr)	(min)	(min)	(min)	(min)	(cfs)
A1	0.672	7.734	8.406	0.462	300	969	0	0.017	0.022	0.004	0.643	3.06	26.41	67.63	0	94.04	11.89
A2	0.206	1.874	2.080	0.472	134	0	253	0.057	0.035	0.020	0.643	9.94	7.03	0	0.81	7.84	9.77
A3	1.140	11.421	12.561	0.468	300	1345	150	0.007	0.007	0.004	0.643	2.49	37.23	131.99	1.07	170.29	14.64
A4	1.501	18.214	19.715	0.460	300	1540	125	0.010	0.007	0.004	0.643	1.75	38.52	151.12	0.89	190.53	15.88
A5	2.140	17.655	19.795	0.477	300	935	50	0.055	0.055	0.004	0.643	4.24	16.21	32.73	0.36	49.30	40.06
A6	1.924	9.493	11.417	0.509	300	600	30	0.055	0.055	0.011	0.643	5.08	15.08	21.00	0.13	36.22	29.54
A7	0.701	4.058	4.759	0.498	300	455	160	0.042	0.042	0.020	0.643	5.16	16.25	18.23	0.51	34.99	12.23
A8	1.753	5.859	7.612	0.542	300	1460	100	0.049	0.031	0.045	0.643	3.13	18.95	68.08	0.21	87.24	12.91



STATE OF TEXAS
 CHRISTOPHER P. MESZLER
 112052
 LICENSED PROFESSIONAL ENGINEER
 01/11/2019

Culverts	Pipe Material	Mannings Roughness Coeff (n)	Pipe Diameter (in)	Pipe Length (ft)	Pipe Slope (S) (ft/ft)	Invert Elev Difference (ft)	Hydraulic Radius (R) (sf/ft)	Pipe Flow Velocity (V3) (ft/s)	Full Pipe Flow Capacity (QF) (cfs)	Pipe Flow Capacity > Peak Basin Discharge (yes/no)	Total Basin Peak Discharge (SF=2.0) (cfs)
1	RCP	0.011	24	51	0.063	3.2	0.500	21.31	66.95	yes	23.79
2	RCP	0.011	24	44	0.023	1.0	0.500	12.88	40.45	yes	19.54
3	RCP	0.011	30	42	0.005	0.2	0.625	6.97	34.22	yes	29.28
4	RCP	0.011	24	64	0.016	1.0	0.500	10.74	33.74	yes	31.77
5	RCP	0.011	36	52	0.020	1.0	0.750	15.76	111.37	yes	80.12
6	RCP	0.011	30	38	0.030	1.1	0.625	17.08	83.83	yes	59.08
7	RCP	0.011	24	47	0.021	1.0	0.500	12.30	38.65	yes	24.46
8	RCP	0.011	36	68	0.064	4.4	0.750	28.18	199.22	yes	25.83

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 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

DRAINAGE AREA MAP

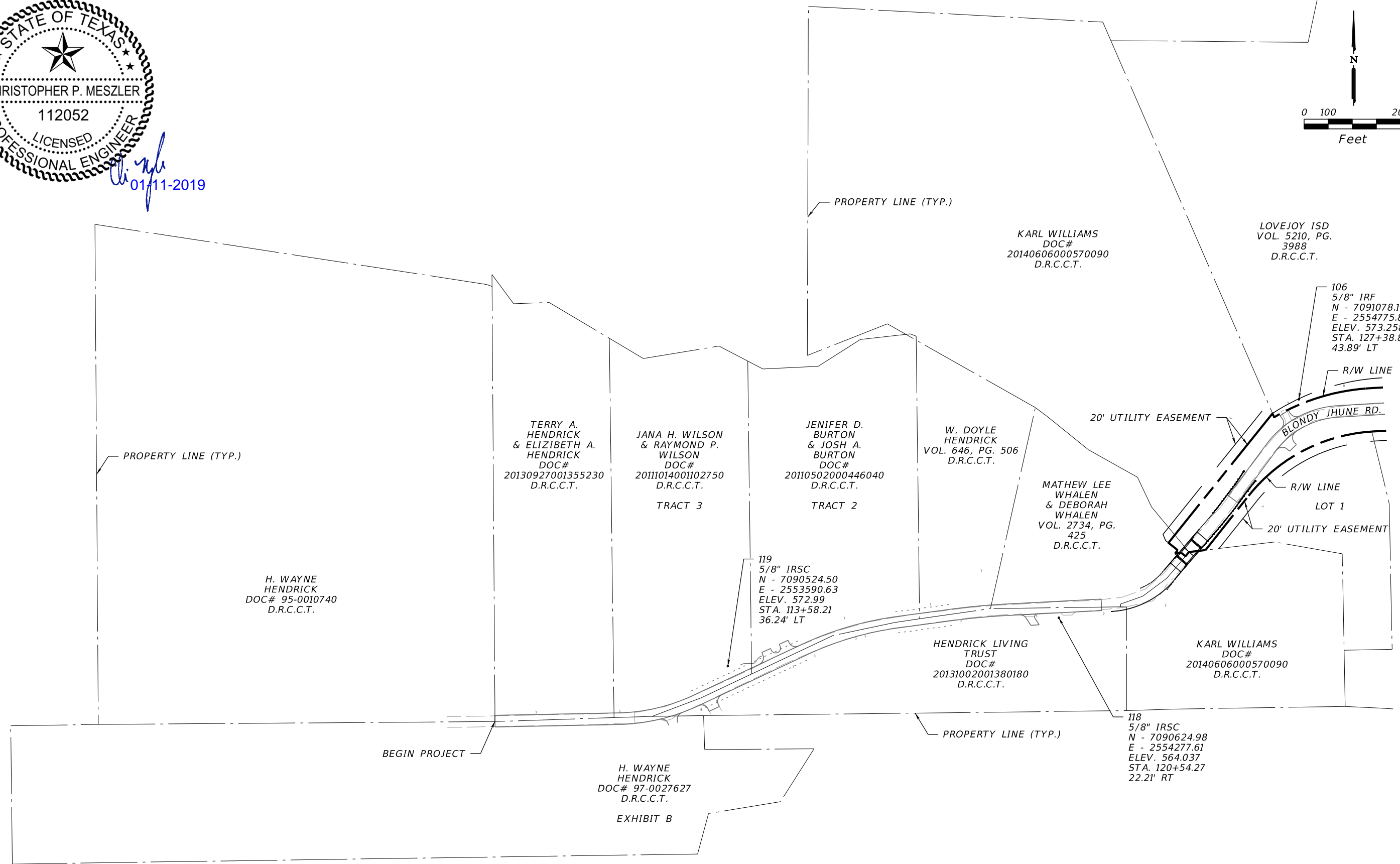
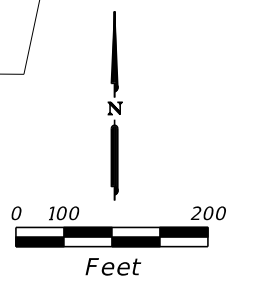
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CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1155



Handwritten signature and date:
01/11-2019



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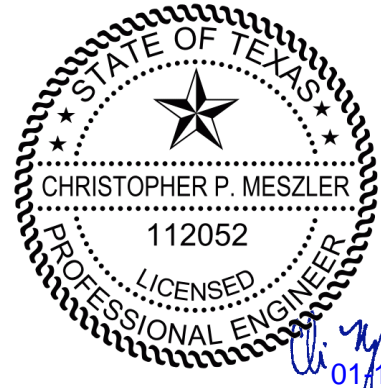
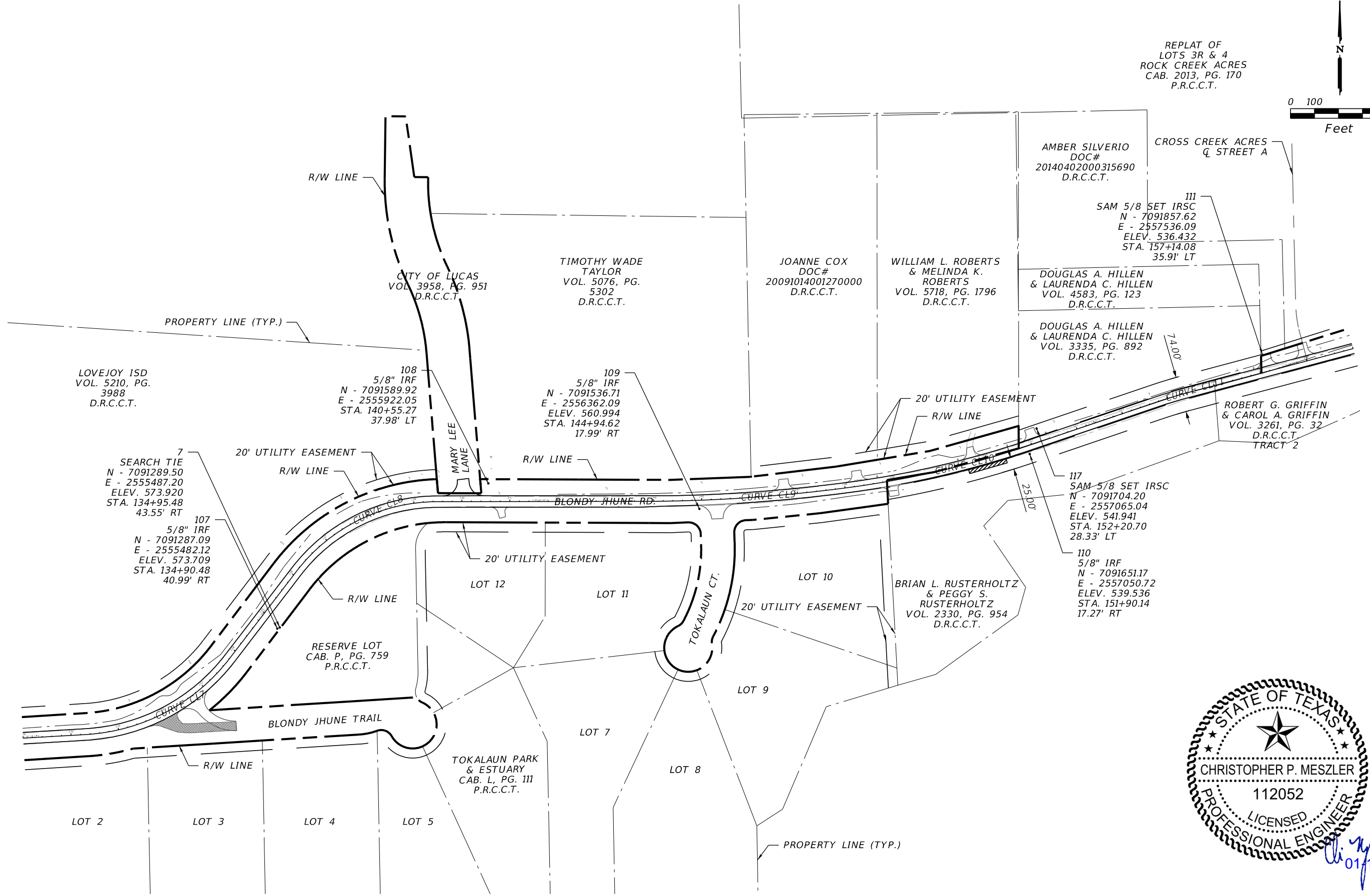
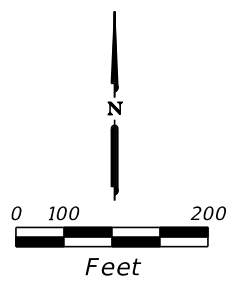
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PROJECT LAYOUT

SHEET NO.	3
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CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL

REPLAT OF
 LOTS 3R & 4
 ROCK CREEK ACRES
 CAB. 2013, PG. 170
 P.R.C.C.T.



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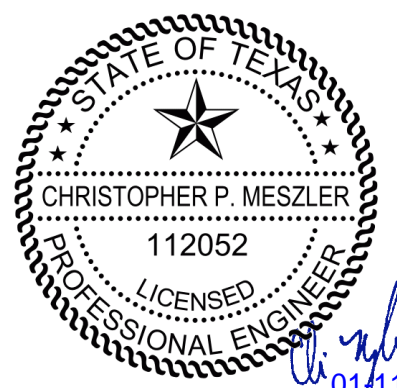
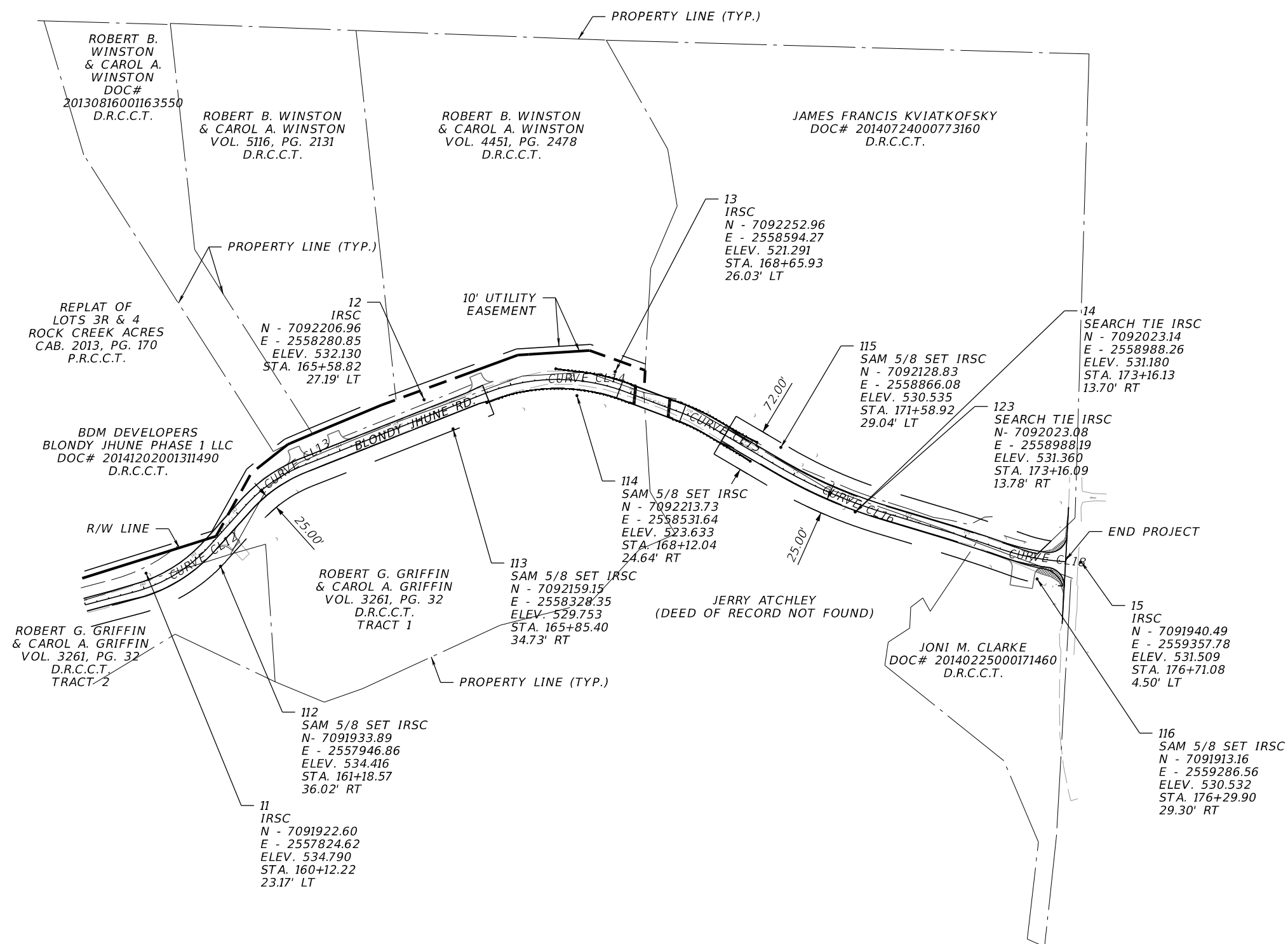
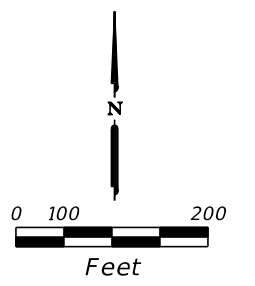


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PROJECT LAYOUT

SHEET NO.	4
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CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1155



Christopher P. Meszler
01/11-2019

hremeteria
1/11/2019
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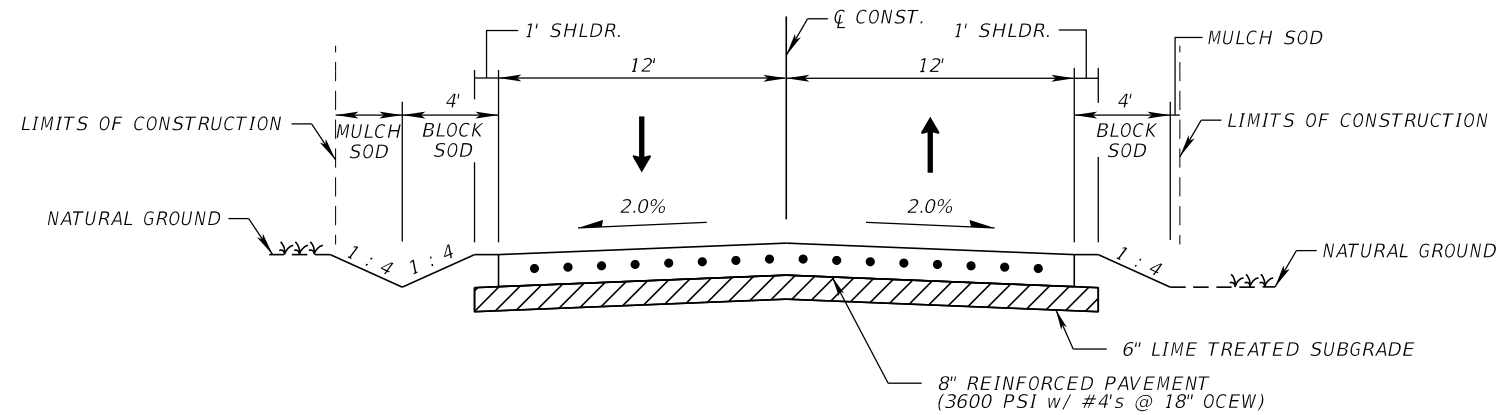


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665 COUNTRY CLUB ROAD
LUCAS, TX. 75002

PROJECT LAYOUT

SHEET NO.
5

CALL BEFORE YOU DIG
TEXAS ONE CALL PARTICIPANTS REQUEST
48 HOURS NOTICE BEFORE YOU DIG, DRILL,
OR BLAST - STOP CALL
TEXAS ONE CALL SYSTEM
1-800-DIG-1155



BLONDY JHUNE ROAD TYPICAL SECTION

STA. 108+45.13 TO STA. 121+44.12
 STA. 125+08.65 TO STA. 143+77.44
 STA. 160+00.00 TO STA. 166+56.70
 STA. 170+69.76 TO STA. 170+70.18

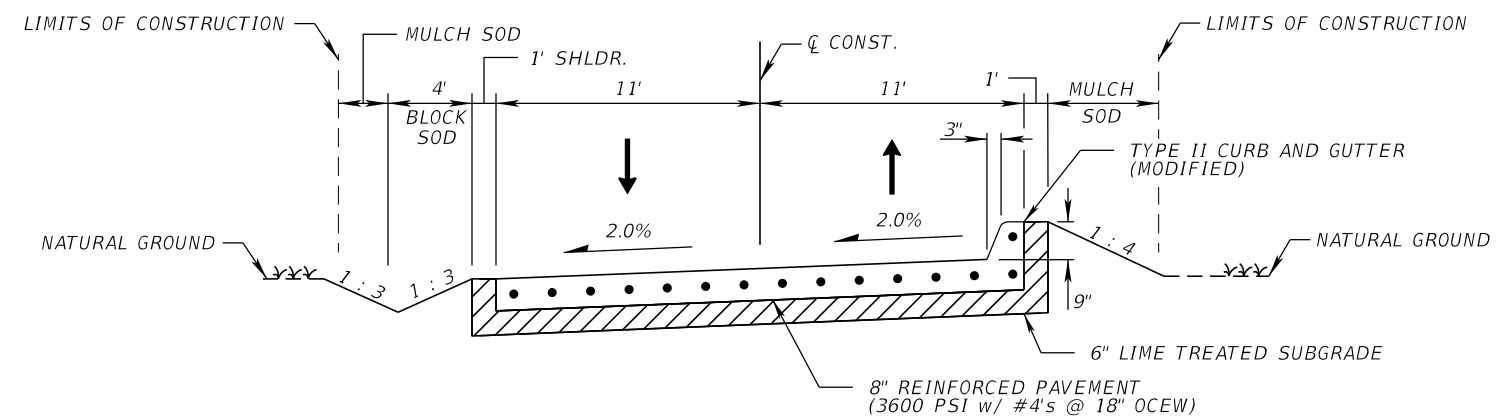
RECONSTRUCTION

8" REINFORCED CONC. PAVEMENT (3600 PSI w/ #4's @ 18" OCEW)
 6" LIME TREATED SUBGRADE

DESIGN SPEED 35
 POSTED SPEED 30

NOTES

1. ALL SUBGRADE COMPACTION UNDER PAVEMENT SHALL BE 98% STANDARD PROCTOR DENSITY AT +2% OF OPTIMUM MOISTURE.
2. PAVEMENT DESIGN FOR BLONDY JHUNE TRAIL AND MARY LEE LANE SHALL MATCH PAVEMENT DESIGN FOR BLONDY JHUNE ROAD.
3. ALL CURB AND CURB & GUTTER SHALL BE INTEGRAL WITH PAVEMENT. SEE TXDOT STANDARD CCCG-12.
4. CONSTRUCTION, EXPANSION, LONGITUDINAL AND TRANSVERSE JOINTS SHALL BE IN ACCORDANCE WITH TXDOT STANDARDS. SEE TXDOT STANDARD CRCP(1)-17 AND JS-14 FOR DETAILS.
5. ALL THE REINFORCING STEEL AND TIE BARS SHALL BE DEFORMED STEEL BARS CONFORMING TO ASTM A 615 (GRADE 60) OR ASTM A 996 (GRADE 60) OR ABOVE. CUTTING BARS WITH THE USE OF A TORCH IS NOT PERMITTED. FIELD-BENDING OF BARS WITH THE USE OF A TORCH IS NOT PERMITTED.
6. STEEL BAR PLACEMENT TOLERANCE SHALL BE +/- 1 IN. HORIZONTALLY AND +/- 0.5 IN. VERTICALLY.
7. REPLACE MISSING OR DAMAGED TIE BARS WITHOUT ADDITIONAL COMPENSATION BY DRILLING MIN. 10 IN. DEEP AND GROUTING TIE BARS WITH TYPE III, CLASS C EPOXY. MEET THE PULL-OUT TEST REQUIREMENTS IN ITEM 361.
8. LONGITUDINAL REINFORCING STEEL SPLICES SHALL BE A MINIMUM OF 25 IN. STAGGER THE LAP LOCATIONS SO THAT NO MORE THAN 1/3 OF THE LONGITUDINAL STEEL IS SPLICED IN ANY GIVEN 12-FT. WIDTH AND 2-FT. LENGTH OF THE PAVEMENT.



BLONDY JHUNE ROAD TYPICAL SECTION - TREE CANOPY AREA

STA. 143+77.44 TO STA. 160+00.00

RECONSTRUCTION

8" REINFORCED CONC. PAVEMENT (3600 PSI w/ #4's @ 18" OCEW)
 6" LIME TREATED SUBGRADE

DESIGN SPEED 30
 POSTED SPEED 30



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TYPICAL SECTIONS

SHEET NO.
 6

CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTIONS AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES, NOVEMBER 2014 EDITION, REFERRED TO AS "THE STANDARD SPECIFICATIONS".
2. IN THE EVENT AN ITEM IS NOT COVERED WITHIN THESE PLANS AND SPECIFICATIONS, THE TXDOT STANDARD SPECIFICATIONS SHALL APPLY.
3. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS BEFORE ANY WORK MAY BEGIN. ALL PERMIT FEES SHALL BE CONSIDERED INCIDENTAL TO PAY ITEMS PROVIDED.
4. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE UPDATE TO THE ENGINEER AND THE CONSTRUCTION INSPECTOR WITH THE MONTHLY PAY ESTIMATE.
5. THE CONTRACTOR WILL BE PAID ONLY FOR THE WORK WHICH IS COMPLETED IN STRICT CONFORMANCE TO THE PLANS AND CONSTRUCTION DETAILS.
6. FINAL PAYMENT TO CONTRACTOR SHALL BE RELEASED AFTER THE ACCEPTANCE OF THE FINAL INSPECTION BY AUTHORIZED PERSONNEL OF THE PUBLIC WORKS DEPARTMENT.
7. THE CONTRACTOR SHALL CONTACT THE ENGINEER SHOULD ANY DISCREPANCIES BE FOUND IN THE CONSTRUCTION PLANS AND/OR THE SPECIAL PROVISIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL NOT BE COMPENSATED FOR ANY WORK NOT AUTHORIZED BY THE ENGINEER.
8. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY CONSTRUCTION STAKING BY A TEXAS REGISTERED LAND PROFESSIONAL LAND SURVEYOR. WORK IS NOT PERMITTED OUTSIDE OF THE RIGHT OF WAY OR EASEMENTS WITHOUT PRIOR PERMISSION AND COORDINATION WITH THE CITY.
9. CONSTRUCTION OBSERVATION AND ADDITIONAL MATERIALS TESTING WILL BE PERFORMED BY REPRESENTATIVES OF THE OWNER, ENGINEER AND REVIEW AUTHORITIES AND AGENCIES. UNRESTRICTED ACCESS SHALL BE PROVIDED TO THESE REPRESENTATIVES AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING THE REQUIRED INSPECTIONS AND ALLOWING FOR THEM IN HIS SCHEDULE OF OPERATIONS. CONTRACTOR WILL NOT BE ALLOWED ANY ADDITIONAL CONTRACT DAYS OR COMPENSATION AS A RESULT OF HIS FAILURE TO ADEQUATELY PROVIDE FOR AUTHORIZED INSPECTIONS.
10. THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AND THE ENGINEER TWO WORKING DAYS BEFORE STARTING WORK.
11. THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AND THE ENGINEER TWO WORKING DAYS IN ADVANCE OF ANY CONCRETE PLACING OR ASPHALT LAYING OPERATION.
12. THE CONTRACTOR MUST FURNISH AT LEAST TWO PHONE NUMBERS WHERE RESPONSIBLE PERSONNEL CAN BE REACHED IN CASE OF EMERGENCY DURING WORKING AND NONWORKING HOURS. IF THERE ARE ANY CHANGES, THE INFORMATION MUST BE UPDATED IMMEDIATELY FOR THE DURATION OF THE PROJECT.
13. IF CULTURAL RESOURCES (ARCHAEOLOGICAL FINDINGS UNEARTHED) ARE LOCATED DURING CONSTRUCTION, WORK SHALL STOP IMMEDIATELY IN THAT AREA. IMMEDIATELY NOTIFY THE ENGINEER.
14. THE ENGINEER/INSPECTOR WILL NOT SUPERVISE, DIRECT OR HAVE CONTROL OVER THE CONTRACTOR'S WORK; NOR WILL THE ENGINEER/INSPECTOR HAVE AUTHORITY OVER OR BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION; FOR THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENT TO THE WORK OF CONTRACTOR; OR FOR ANY FAILURE OF CONTRACTOR TO COMPLY WITH LAWS, RULES, REGULATIONS, ORDINANCES, CODES OR ORDERS APPLICABLE TO CONTRACTOR FURNISHING AND PERFORMING THE WORK.
15. THE CONTRACTOR SHALL PROTECT AND BE RESPONSIBLE FOR RESETTING OR ESTABLISHING NEW BENCHMARKS AFFECTED BY THE CONSTRUCTION (NO SEPARATE PAY ITEM).
16. ALL CONCRETE SHALL BE IN COMPLIANCE WITH THE SPECIFIED CLASSES OF CONCRETE PER TXDOT SPECIFICATIONS.
17. CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF TXDOT ITEM 360, CONCRETE PAVEMENT.
18. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE COMPLETE CONCRETE MIX (BATCH) DESIGN AT THE PRE- CONSTRUCTION CONFERENCE AND/OR AT LEAST TEN WORKING DAYS PRIOR TO THE START OF ANY CONCRETE PLACING OPERATIONS. VOLUMETRIC CONCRETE IS NOT APPROVED FOR THIS PROJECT.
19. CONTRACTOR SHALL SUBMIT PAVING CONSTRUCTION PLAN AS DESCRIBED IN TXDOT ITEM 360, CONCRETE PAVEMENT.
20. CONTRACTOR SHALL EMPLOY A CERTIFIED TESTING LABORATORY TO PERFORM DENSITY TESTING IN ACCORDANCE WITH TXDOT PROCEDURE TEX-115-E. ALL TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER. TEST LOCATIONS SHALL BE MARKED IN THE PLANS AND SUBMITTED WITH THE RESULTS. COST OF DENSITY TESTING SHALL BE INCLUDED IN THE COST OF BID ITEMS 132-6001, AND 260-6079.
21. CONTRACTOR SHALL EMPLOY A CERTIFIED TESTING LABORATORY FOR CONCRETE SAMPLING AND TESTING IN ACCORDANCE WITH ASTM C31-75 AND ASTM C39-79 AND TEMPERATURE. ONE SET OF FIVE (6IN X 12IN) CONCRETE CYLINDERS (TEST 1@3, 1@7, 2@28 DAYS) FOR EACH DAY'S PRODUCTION. IF THE TWO 28 DAYS TEST FAIL TO MEET REQUIRED STRENGTH, TEST THE 5TH CYLINDER AT 48 DAYS. COST OF CONCRETE TESTING SHALL BE INCLUDED IN CONCRETE POUR OPERATIONS AT NO ADDITIONAL COST. ALL TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER. TEST LOCATIONS SHALL BE MARKED IN THE PLANS AND SUBMITTED WITH THE RESULTS. CONCRETE SHALL BE SAMPLED AT POINT OF DISCHARGE AND INDICATED AS SUCH ON REPORT.
22. ALL INSPECTION AND TESTING LABORATORIES MUST BE APPROVED BY THE CITY PRIOR TO PERFORMING ANY WORK. SUBMIT INSPECTION AND TESTING CERTIFICATIONS A MINIMUM OF TWO WEEKS PRIOR TO BEGINNING RELATED WORK.
23. WHEN AIR TEMPERATURE IS BETWEEN 85 DEG. F (30 DEG. C) AND 90 DEG F (32 DEG. C), REDUCE MIXING AND DELIVERY TIME FROM 1 1/2 HOURS TO 75 MINUTES, AND WHEN AIR TEMPERATURE IS ABOVE 90 DEG. F (32 DEG. C), REDUCE MIXING AND DELIVERY TIME TO 60 MINUTES. NO ADMIXTURE SHALL BE PERMITTED IN THE CONCRETE MIX WITHOUT WRITTEN APPROVAL BY THE ARCHITECT/ENGINEER. NO WATER SHALL BE ADDED TO THE CONCRETE MIX AT THE JOB SITE.
24. CONCRETE WASHOUT WILL NOT BE PERMITTED ON SITE AND MUST BE CONDUCTED AT A FACILITY DESIGNATED FOR SUCH PURPOSES.
25. ALL REINFORCING STEEL AND DOWEL BARS IN PAVEMENT SHALL BE SUPPORTED AND MAINTAINED AT THE CORRECT CLEARANCES BY THE USE OF BAR CHAIRS OR OTHER APPROVED SUPPORT.
26. THE USE OF WOOD FORMS FOR PAVEMENT CONSTRUCTION WILL BE PERMITTED ONLY FOR LEAVE-OUTS, ALLEYS, SIDEWALKS, DRIVEWAYS, BARRIER FREE RAMPS AND INTERSECTIONS. WOOD FORMS MAY BE PERMITTED FOR OTHER USES, BUT ONLY ON A CASE-BY-CASE BASIS, AND MUST BE EXPLICITLY AUTHORIZED BY THE ENGINEER.
27. DRIVEWAY APPROACHES DAMAGED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED TO MATCH THE EXISTING CONDITIONS, AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE CITY OF LUCAS. DRAINAGE PIPE UNDER DRIVEWAY APPROACHES DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED TO EQUAL OR BETTER THAN EXISTING CONDITION, AT THE CONTRACTOR'S EXPENSE.
28. THE CONTRACTOR SHALL PROTECT ALL EXISTING FENCES (TO REMAIN). ANY DAMAGES DUE TO CONTRACTOR'S ACTION SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE CITY.
29. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY THE CONSTRUCTION TO THE ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE BUT NOT LIMITED TO TRENCH BACKFILL, SIDE SLOPES, FENCES, IRRIGATION SYSTEMS, DRIVEWAYS, PRIVATE YARDS, SIGNS AND ROADWAYS.
30. DISTURBED AREAS SHALL BE HYDRO MULCHED, WATERED & ESTABLISHED. DISTURBED CHANNEL SIDE SLOPES SHALL BE RESTORED WITH SOLID BLOCK SOD, WATERED, FERTILIZED & ESTABLISHED. THE ESTABLISHMENT OF GRASS IN DISTURBED AREAS SHALL BE DETERMINED BY THE CITY.
31. THE CONTRACTOR SHALL NOT PLACE FILL OR WASTE MATERIAL ON ANY PRIVATE PROPERTY WITHOUT A WRITTEN AGREEMENT WITH THE PROPERTY OWNER AND APPROVAL BY CITY. A COPY OF THIS AGREEMENT SHALL BE PROVIDED TO THE CITY. LETTERS OF FINAL APPROVAL AND RELEASE FROM THE AFFECTED PROPERTY OWNER(S) MUST BE SUBMITTED TO THE CITY BEFORE FINAL PAYMENT WILL BE AUTHORIZED ON THIS PROJECT.
32. NO EXCESS EXCAVATED MATERIAL SHALL BE DEPOSITED IN LOW AREAS OR ALONG ANY NATURAL DRAINAGE WAY, WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. IF THE CONTRACTOR PLACES EXCESS MATERIAL IN AREAS WITHOUT WRITTEN PERMISSION, HE WILL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM SUCH FILL AND HE SHALL REMOVE THE MATERIAL AT HIS OWN COST IF THE CITY SO DIRECTS.
33. THE CONTRACTOR SHALL PROTECT THE EXISTING TREES, BUSHES, LANDSCAPING PLANTS, SPRINKLERS, AND LAWNS UNLESS SHOWN OTHERWISE ON THE CONSTRUCTION DRAWINGS. ANY DAMAGE TO THE EXISTING TREES, BUSHES, LANDSCAPING PLANTS, SPRINKLERS, AND LAWNS CAUSED BY THE CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE PROPERTY OWNER AND THE CITY AT THE CONTRACTOR'S SOLE EXPENSE.
34. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND IRRIGATION SYSTEMS. ADJUSTMENT OR RELOCATION OF IRRIGATION SYSTEM SHALL BE INSTALLED BY AN IRRIGATOR LICENSED IN THE STATE OF TEXAS AND, IF REQUIRED, SHALL BE INCIDENTAL TO RIGHT OF WAY PREPARATION.
35. NO TREES SHALL BE CUT EXCEPT ON SPECIFIC AUTHORITY OF THE ENGINEER. TREES 6-INCH OR LESS IN DIAMETER ARE SUBSIDIARY TO PROJECT (NO SEPARATE PAY ITEM).
36. SHOULD ANY TREE ROOTS BE FOUND IN CONFLICT WITH PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL HAVE A PROFESSIONAL ARBORIST PRUNE THE ROOTS TO PREVENT DAMAGE TO THE TREE. CONTRACTOR SHALL NOTIFY ENGINEER A LEAST 2 DAYS PRIOR TO ANY ROOT PRUNING ACTIVITIES.
37. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS, DRIVEWAYS AND SIDEWALKS ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS FROM THE CONSTRUCTION AT ALL TIMES.
38. MAIL BOXES WILL BE RESET AS DIRECTED IN THE PLANS OR BY THE ENGINEER. ALL MAIL BOXES TO BE REMOVED SHALL BE TEMPORARILY LOCATED AS TO NOT INTERRUPT MAIL SERVICE AND RESET AS SOON AS ALLOWED BY CONSTRUCTION ACTIVITIES. ALL MAIL BOXES DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED WITH MAIL BOXES OF EQUAL OR BETTER QUALITY, AND OF A SIMILAR STYLE TO THOSE BEING REPLACED.
39. ADJUSTMENT OF UNPAVED DRIVEWAYS BEHIND PROPERTY LINE AND RESTORATION OF THE SURFACE TO EQUAL OR BETTER THAN THE ORIGINAL IS INCIDENTAL WORK ON THIS PROJECT. CONTRACTOR MUST COORDINATE WITH THE ENGINEER AND PROPERTY OWNER PRIOR TO ACCESSING OR WORKING ON PRIVATE PROPERTY. HARMONIZATION IS INCIDENTAL TO THE RELATED WORK. NO ADDITIONAL PAYMENT WILL BE MADE.
40. EXISTING UTILITIES ARE SHOWN AT APPROXIMATE LOCATIONS AND DEPTHS BASED ON BEST AVAILABLE RECORDS AND LIMITED FIELD DATA. NOT ALL UTILITIES MAY BE SHOWN. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGES TO UTILITIES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
41. CALL 1-800-DIG-TESS (1-800-344-8377) AT LEAST TWO WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, SO THAT THE LOCATION OF UTILITIES CAN BE MARKED. IF NECESSARY, TEST DITCHES SHALL BE DUG TO VERIFY/DETERMINE ACTUAL FIELD LOCATIONS AND CONDITIONS.
42. THE CONTRACTOR SHALL PROVIDE A TRENCH SAFETY PLAN. THIS DOCUMENT SHALL BE SUBMITTED TO THE CITY OF LUCAS AT THE PRE CONSTRUCTION CONFERENCE OR PRIOR TO THE START OF CONSTRUCTION.
43. NO STOP OR YIELD SIGN IS TO BE RELOCATED OR REMOVED WITHOUT PRIOR APPROVAL BY THE CITY. THE CONTRACTOR MUST CALL THE CITY'S PUBLIC WORKS DEPARTMENT AND OBTAIN PERMISSION FOR ANY CHANGES IN THESE SIGNS.
44. ALL PAVEMENT MARKINGS, SIGN MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE LATEST ADDITIONS OF THE STANDARD HIGHWAY DEPARTMENT SIGN DESIGN FOR TEXAS, THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) UNLESS NOTED OTHERWISE.
45. SIGN LOCATIONS SHOWN ON THE PLANS ARE DIAGRAMMATIC. SIGNS SHALL BE PLACED IN CONFORMANCE WITH THE LATEST EDITION OF TMUTCD.
46. PAYMENT FOR EACH SIGN SHALL INCLUDE ALL MOUNTING HARDWARE, THE SIGN POLE AND WEDGE BASE SYSTEM. (TXDOT SMD (TWT)-08).
47. REFLECTORIZED PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, PER TXDOT STANDARD SPECIFICATIONS, ITEM 666. PAVEMENT MARKERS SHALL COMPLY WITH TXDOT STANDARD SPECIFICATIONS, ITEM 672.
48. ALL EXISTING SIGNS TEMPORARILY REMOVED BY THE CONTRACTOR SHALL BE PROTECTED FOR REINSTALLATION BY THE CONTRACTOR. ALL EXISTING SIGNS PERMANENTLY REMOVED SHALL BE SALVAGED.



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REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

GENERAL NOTES

SHEET NO.	7
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CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-TESS

SUMMARY OF QUANTITIES - BLONDY JHUNE ROAD

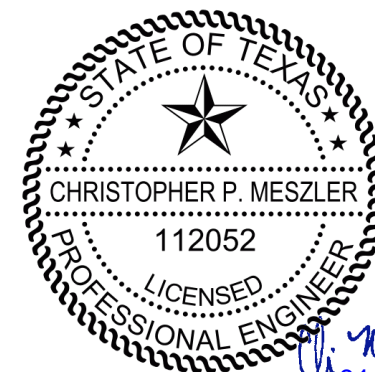
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105	6011		12552		3265	
110	6001		3609.6		2275.3	
132	6001		2540.0		625.4	
134	6003		94		26	
160	6003		4971		1242	
162	6002		3840		1242	
162	6004		1829		0	
166	6001		1.03		0.26	
169	6003		76		0	
260	6079		13482		3758	
360	6000		5378		0	
360	6002		12660		3464	
432	6058		26.9		0.1	
432	6060		247.0		86.8	
464	6003		300		30	
464	6005		50		93	
464	6007		80		0	
464	6008		120		0	
465	6187		1		0	
466	6005		2		3	
466	6007		4		0	
466	6009		2		0	
466	6039		2		0	
466	6050		0		1	
467	6363		20		2	
506	6001		229		36	
506	6011		229		36	
506	6022		356		178	
506	6024		356		178	
506	6038		4604		1684	
506	6039		4604		1684	
529	6005		1471		0	
530	6004		1095		276	
533	6002		2254		1224	
533	6005		4791		3648	
550	6003		41		169	
550	6026		41		169	
560	6011		6		2	
644	6060		34		0	
644	6076		18		0	
666	6170		10461		2235	
666	6207		10520		2398	
672	6009		164		30	
672	6010		6		3	
677	6001		1556		0	
678	6001		20981		4633	
678	6033		164		30	
1004	6001		1		1	
TRAFFIC CONTROL						
500	6001		1		1	
502	6001		1		1	
510	6001		1		1	
512	6001		1		1	
512	6025		1		1	
512	6049		1		1	
560	6011		1		1	
662	6063		1		1	
662	6095		1		1	
6001	6001		564		240	

SUMMARY OF SIDE DRAIN & MITERED END SECTIONS

LOCATION	SIDE	PIPE LENGTH - LF	SET - EA	CONSTRUCTION REMARKS
		ROUND (0464 6003)	ROUND (0467 6363)	
STA. TO STA.		18" RCP	18" (6:1)	
		P	P	
112+80.14 TO 113+10.14	RT	30.0	2	
126+57.34 TO 126+91.04	RT	30.0	2	
126+94.55 TO 127+16.42	LT	24.0	2	
146+60.63 TO 146+86.77	LT	26.0	2	
148+14.95 TO 148+41.19	LT	26.0	2	
148+85.18 TO 149+10.84	RT	26.0	2	
150+59.62 TO 150+85.87	LT	26.0	2	
157+01.97 TO 157+31.69	LT	31.0	2	
163+87.13 TO 164+13.13	LT	26.0	2	
166+39.84 TO 166+65.29	LT	26.0	2	
175+79.66 TO 176+34.01	RT	58.9	2	
SUB-TOTAL:		329.9	22	
TOTAL:		330	22	

PAY ITEM NOTES:

- COST FOR ALL TESTING AND SAMPLING REQUIRED PER THE STANDARD SPECIFICATION AND GENERAL NOTES IS TO BE INCLUDED IN THE RELATED PAY ITEMS.
- 260 6079 QUANTITY PROVIDED INCLUDES AREA OF CONCRETE PAVEMENT REPLACEMENT ON DETOUR ROUTE.
- 360 6000 INCLUDES 2200'x22' CONCRETE PAVEMENT REPLACEMENT ON DETOUR ROUTE. 6" CONC., #4@18" OCEW.
- 466 6039 INCLUDES CONCRETE DISSIPATOR BLOCKS WHERE SHOWN IN PLANS.
- 506 6022 QUANTITY IS NOT A PLAN QUANTITY AND MAY BE INCREASED OR DECREASED BASED ON CONTRACTOR'S PHASING AND WORK ZONE. NO ADDITIONAL PAYMENT PROVIDED.
- 550 6003 CONTRACTOR SHALL MATCH EXISTING FENCE TYPE, MATERIAL, CONSTRUCTION, AND HEIGHT WHERE REPLACING FENCING. NO ADDITIONAL PAYMENT FOR VARYING FENCE TYPES.
- 550 6026
- 506 6038 INCLUDES REQUIRED INSPECTIONS WEEKLY AND AFTER RAIN EVENTS. NO EXTRA PAYMENT FOR REPAIRS TO EXISTING INSTALLATIONS.
- 560 6011 EXISTING MAILBOXES TO BE RELOCATED SHALL BE PRESERVED AND INSTALLED OR REPLACED IN EQUAL OR BETTER CONDITION MATCHING MATERIAL TYPE, SIZE, AND COLOR. NO ADDITIONAL PAYMENT PROVIDED FOR VARYING MAILBOX TYPES.
- 1004 6001 PROVIDE TREE PROTECTION ON ALL TREES GREATER THAN 6 IN DIAMETER WITHIN 5 FT OF PROPOSED WORK OR WORK ZONE. LUMP SUM ITEM INCLUDES ALL TREES AS DESCRIBED AND DIRECTED BY THE ENGINEER.



01/11-2019

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REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

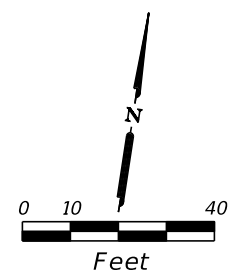
ESTIMATES AND SUMMARY OF QUANTITIES

SHEET NO.
8

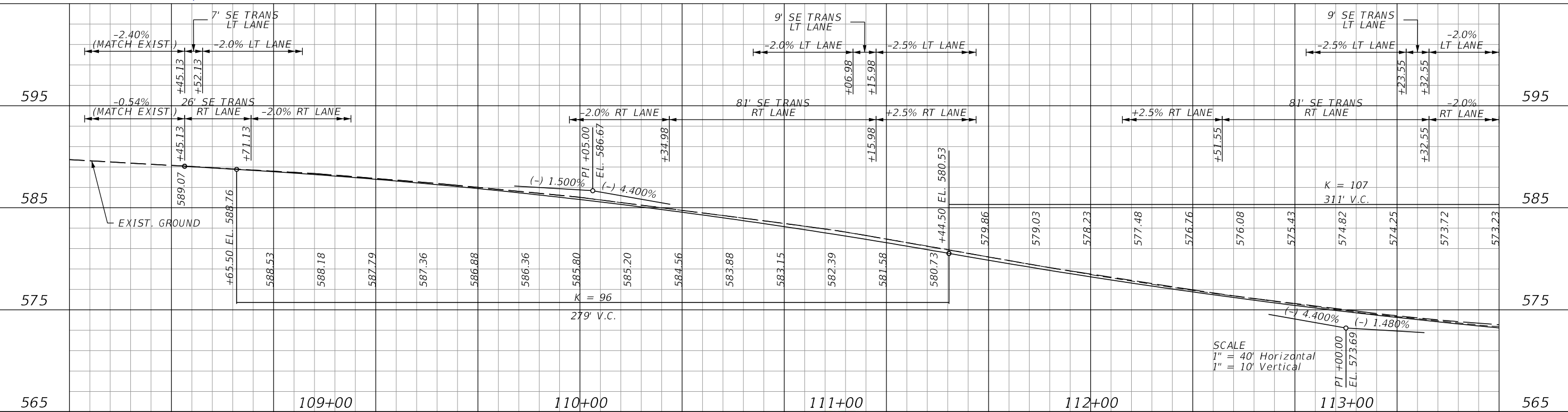
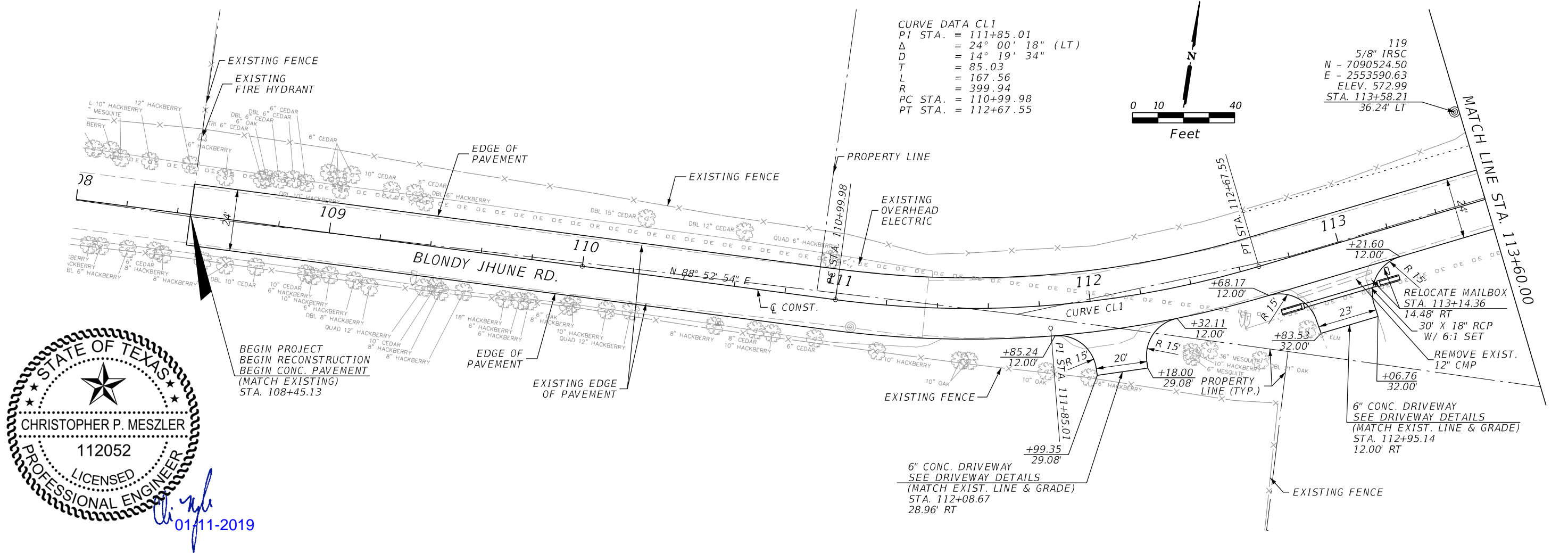
CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS



CURVE DATA CL1
 PI STA. = 111+85.01
 Δ = 24° 00' 18" (LT)
 D = 14° 19' 34"
 T = 85.03
 L = 167.56
 R = 399.94
 PC STA. = 110+99.98
 PT STA. = 112+67.55



119
 5/8" IRSC
 N - 7090524.50
 E - 2553590.63
 ELEV. 572.99
 STA. 113+58.21
 36.24' LT



PLOTTED BY: hrementeria
 PLOT DATE: 1/11/2019
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DATE	REVISIONS DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



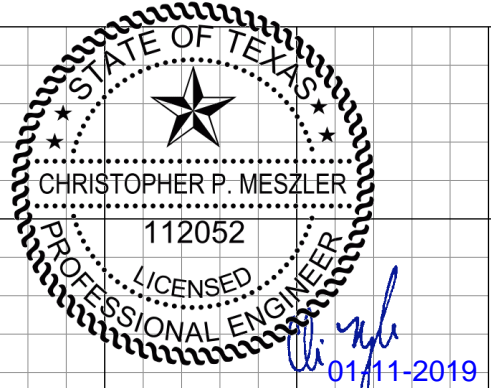
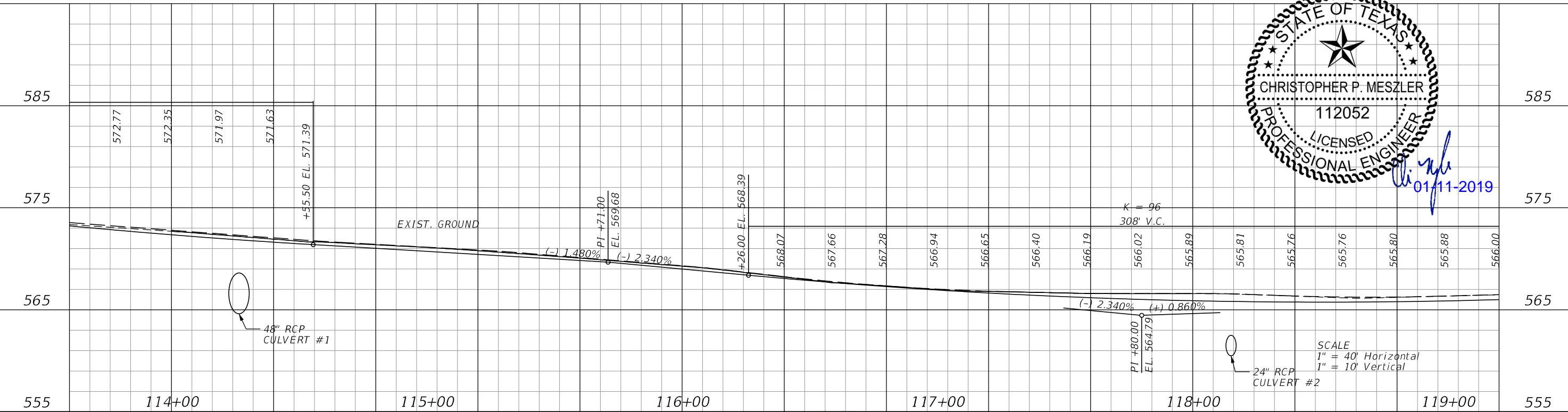
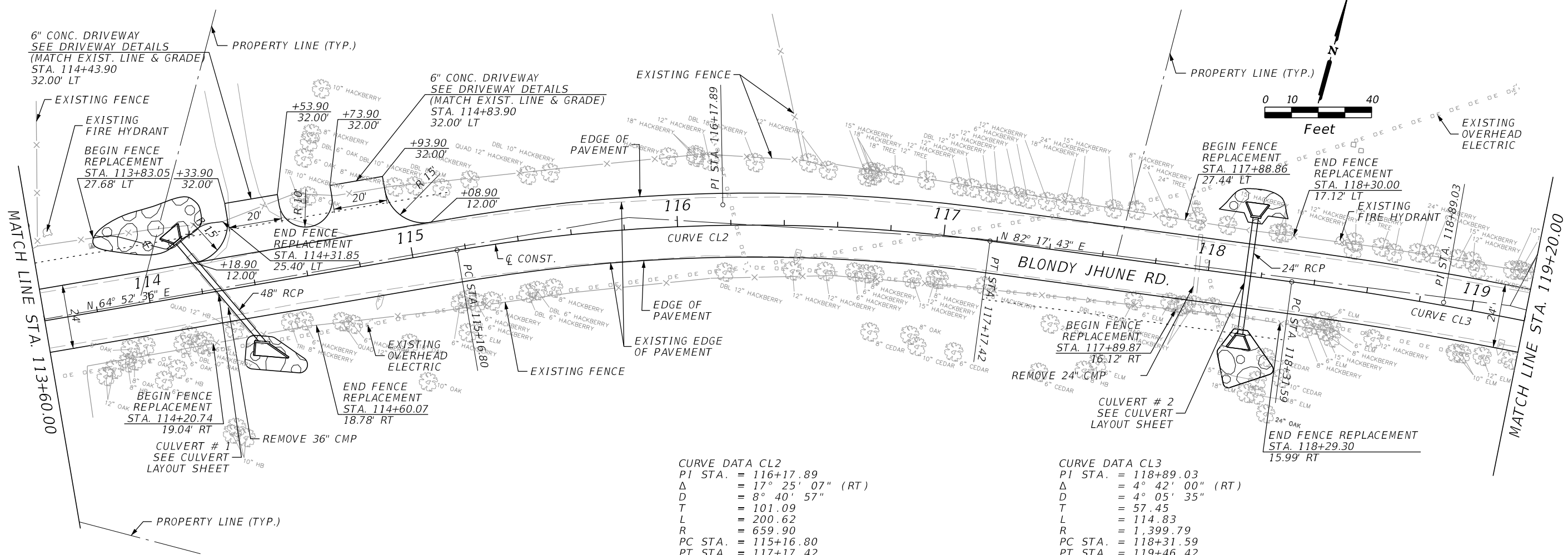
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

PLAN & PROFILE

SHEET NO.
 9

CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL

Plotted by: hrcmenteria
 Plot Date: 1/11/2019
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REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



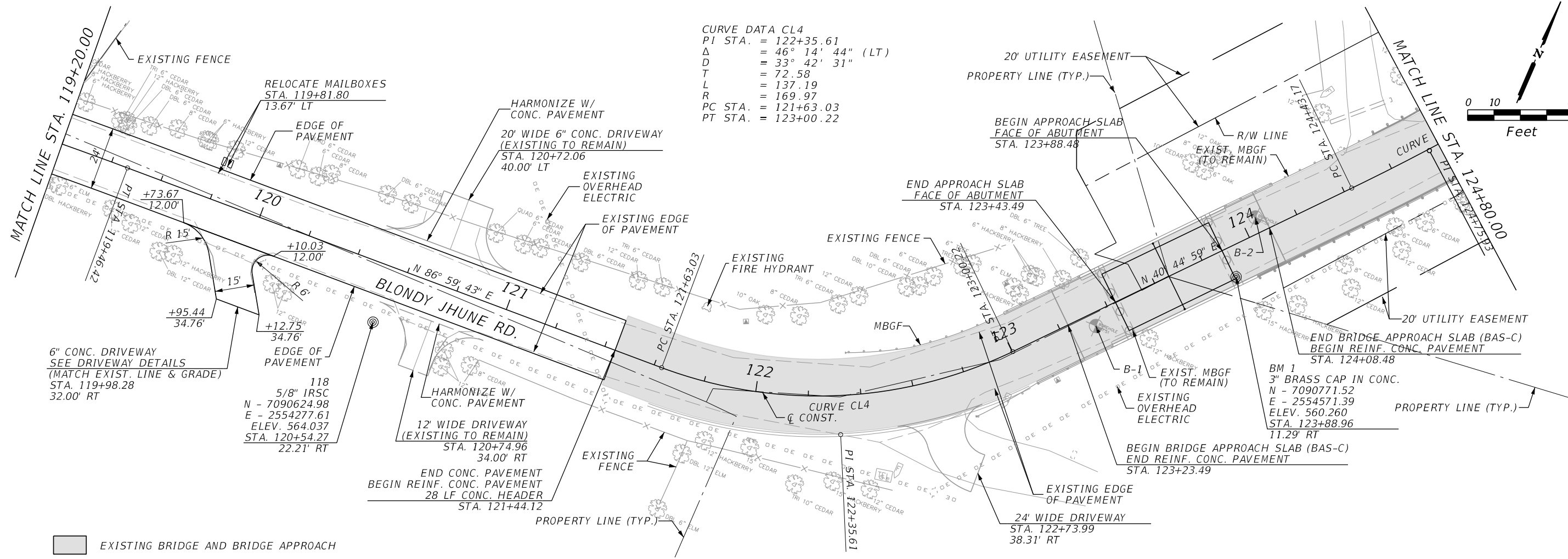
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

PLAN & PROFILE

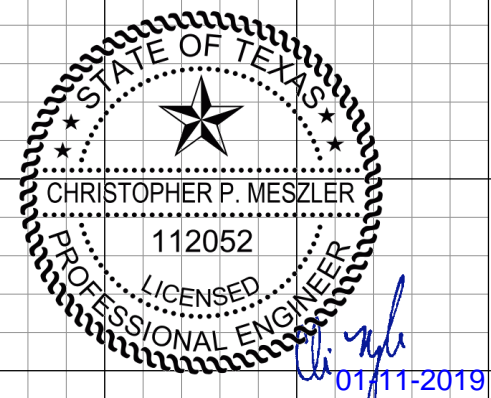
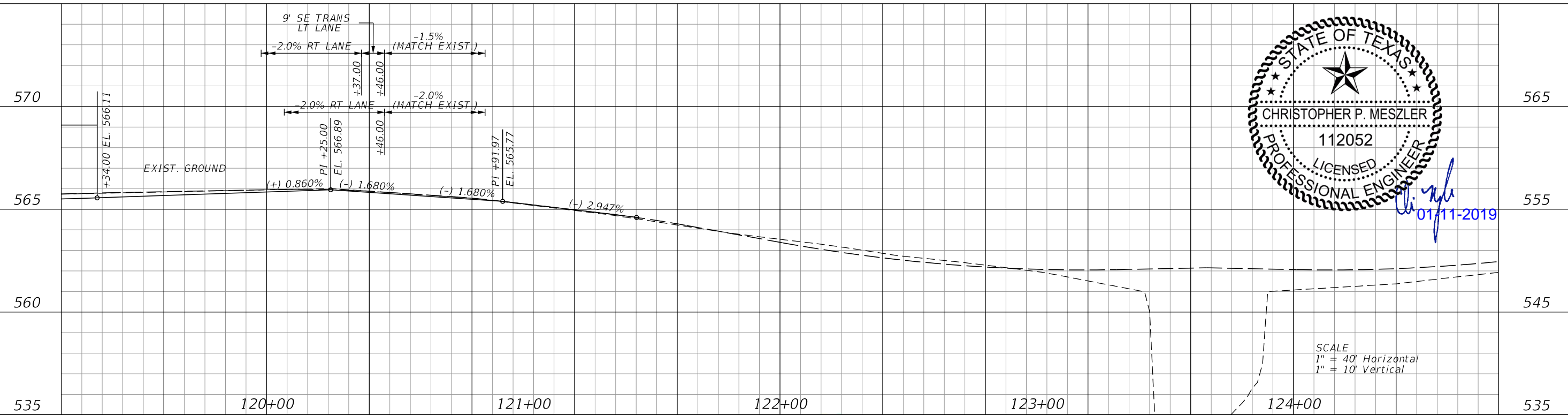
SHEET NO.
 10

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS

CURVE DATA CL4
 PI STA. = 122+35.61
 Δ = 46° 14' 44" (LT)
 D = 33° 42' 31"
 T = 72.58
 L = 137.19
 R = 169.97
 PC STA. = 121+63.03
 PT STA. = 123+00.22



EXISTING BRIDGE AND BRIDGE APPROACH



SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

PLOTTED BY: hrementeria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:35:25 PM
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REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

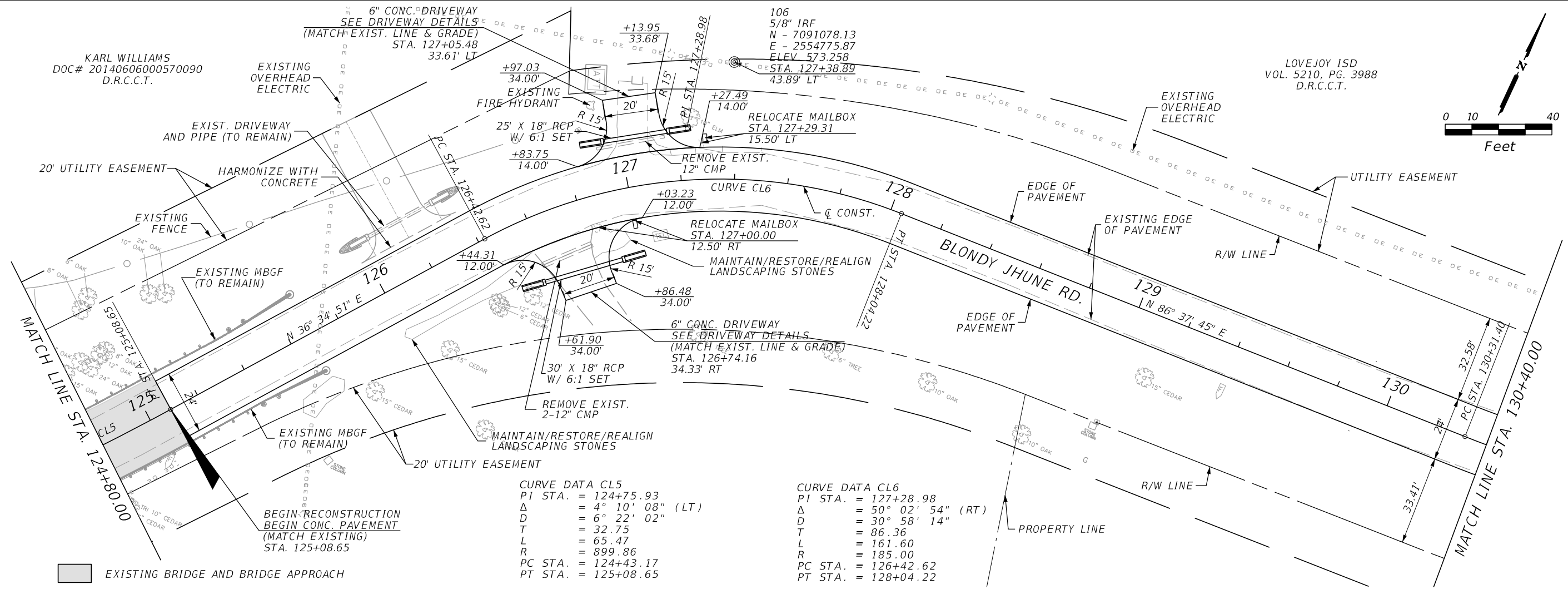
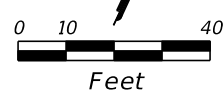
PLAN & PROFILE

SHEET NO.
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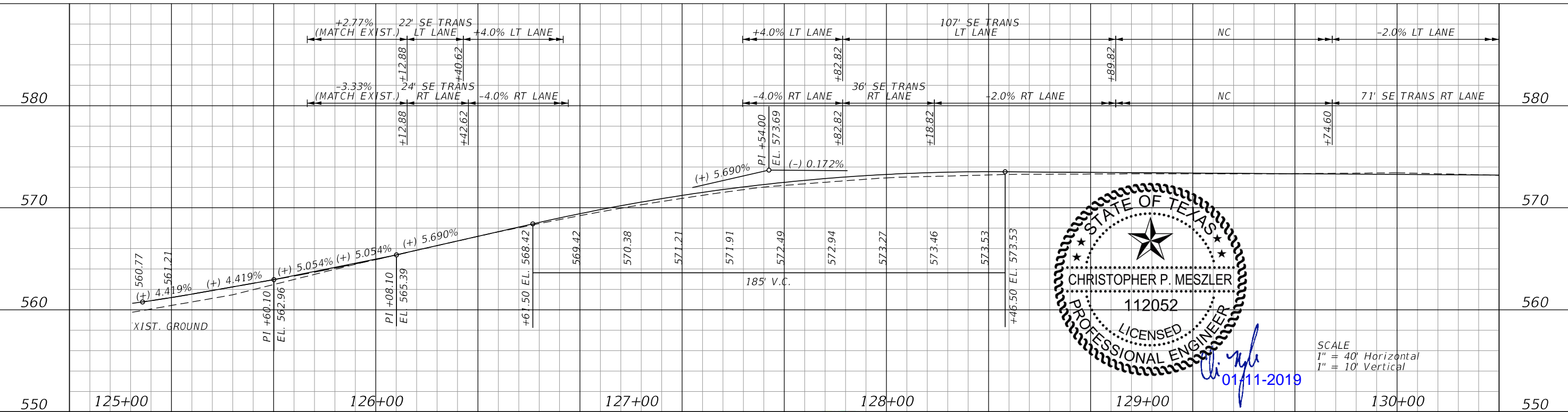
CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1155

KARL WILLIAMS
DOC# 20140606000570090
D.R.C.C.T.

LOVEJOY ISD
VOL. 5210, PG. 3988
D.R.C.C.T.



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01/11-2019

SCALE
1" = 40' Horizontal
1" = 10' Vertical

LAKES ENGINEERING, INC.

CHRISTOPHER P. MESZLER, P.E.
LIC. No. 112052
1903 CENTRAL DRIVE, SUITE #405
BEDFORD, TX 76021
PHONE: 817.618.3640
TBPE REG. F-15243



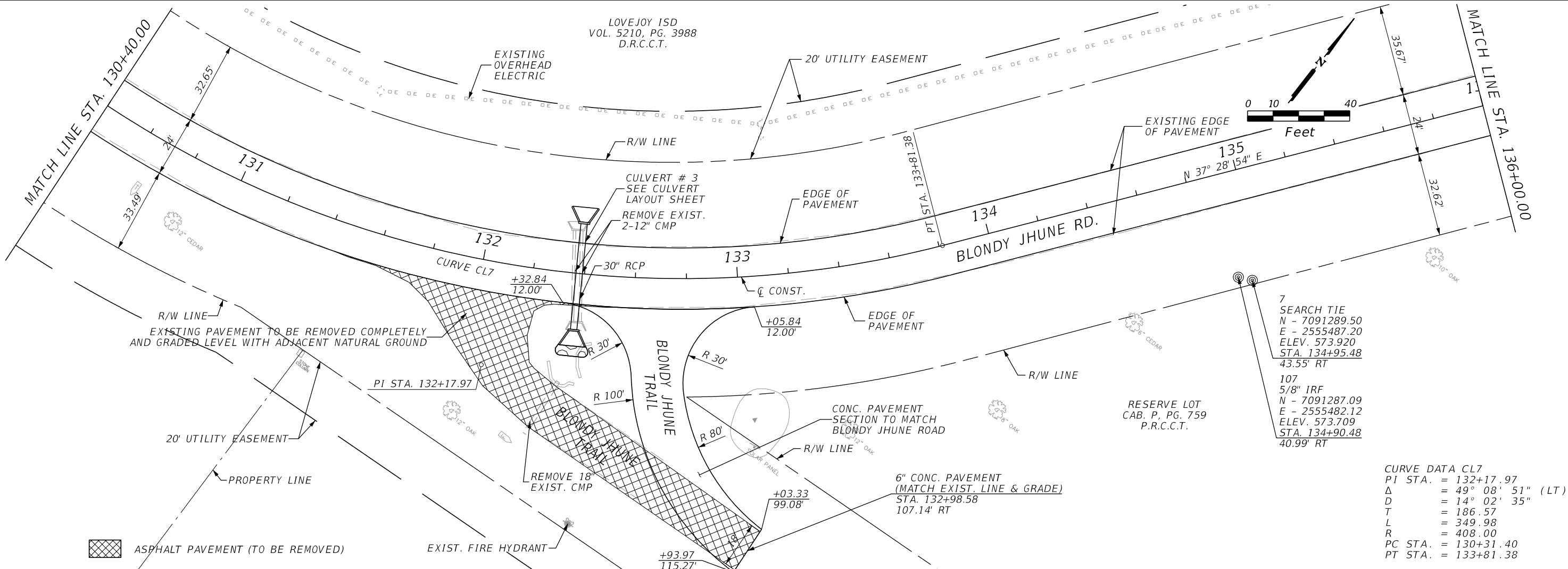
BLONDY JHUNE RD. RECONST.
CITY OF LUCAS
PUBLIC WORKS DEPARTMENT
665 COUNTRY CLUB ROAD
LUCAS, TX. 75002

PLAN & PROFILE

SHEET NO.
12

CALL BEFORE YOU DIG
TEXAS ONE CALL PARTICIPANTS REQUEST
48 HOURS NOTICE BEFORE YOU DIG, DRILL,
OR BLAST - STOP CALL
TEXAS ONE CALL SYSTEM
1-800-DIG-1-ESS

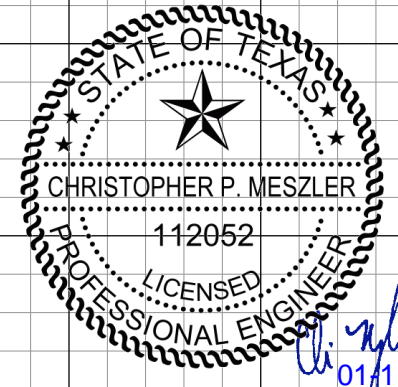
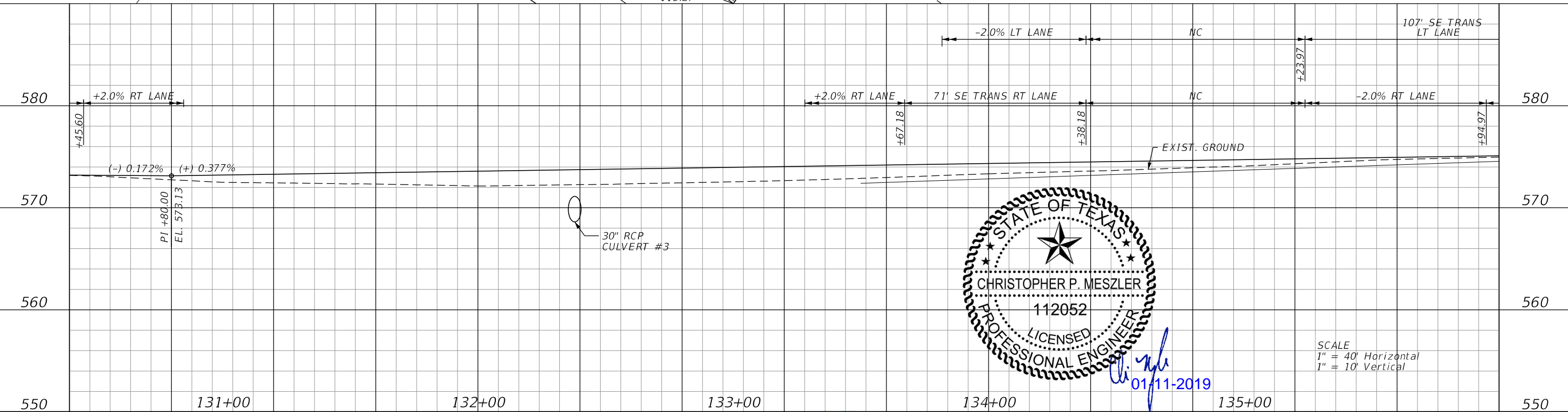
LOVEJOY ISD
VOL. 5210, PG. 3988
D.R.C.C.T.



7
SEARCH TIE
N - 7091289.50
E - 2555487.20
ELEV. 573.920
STA. 134+95.48
43.55' RT

107
5/8" IRF
N - 7091287.09
E - 2555482.12
ELEV. 573.709
STA. 134+90.48
40.99' RT

CURVE DATA CL7
PI STA. = 132+17.97
Δ = 49° 08' 51" (LT)
D = 14° 02' 35"
T = 186.57
L = 349.98
R = 408.00
PC STA. = 130+31.40
PT STA. = 133+81.38



01/11-2019

SCALE
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1" = 10' Vertical

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Plot Date: 1/11/2019
Last Saved: 1:35:27 PM
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DATE	REVISIONS DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
LIC. No. 112052
1903 CENTRAL DRIVE, SUITE #405
BEDFORD, TX 76021
PHONE: 817.618.3640
TBPE REG. F-15243



BLONDY JHUNE RD. RECONST.
CITY OF LUCAS
PUBLIC WORKS DEPARTMENT
665 COUNTRY CLUB ROAD
LUCAS, TX. 75002

PLAN & PROFILE

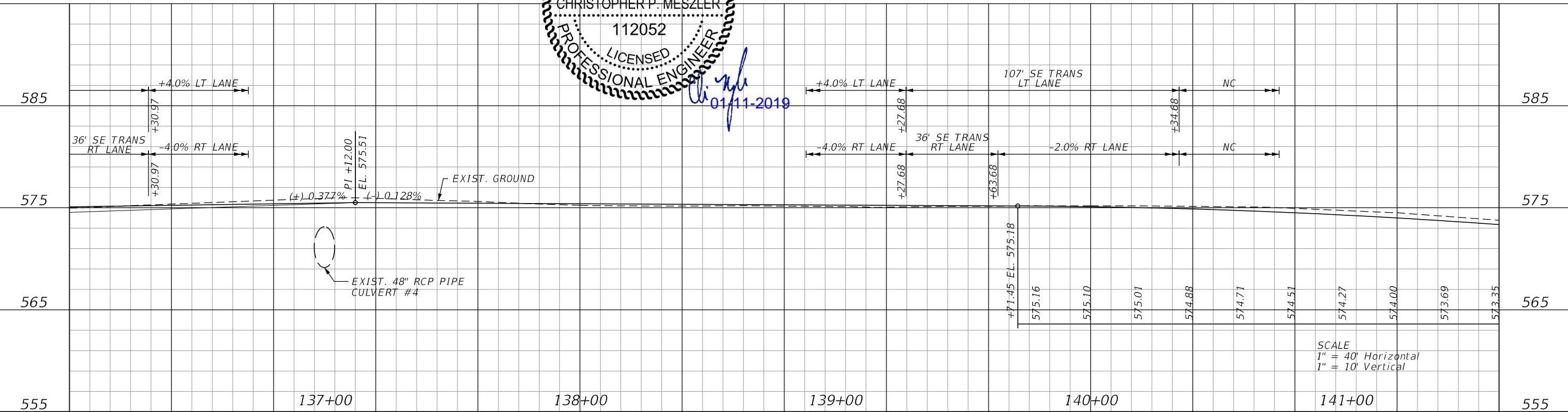
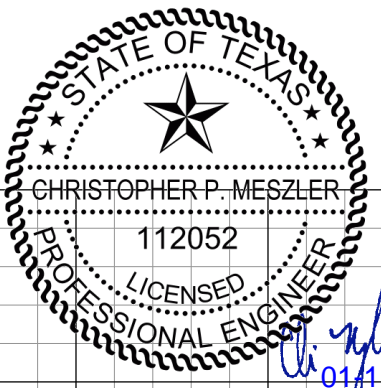
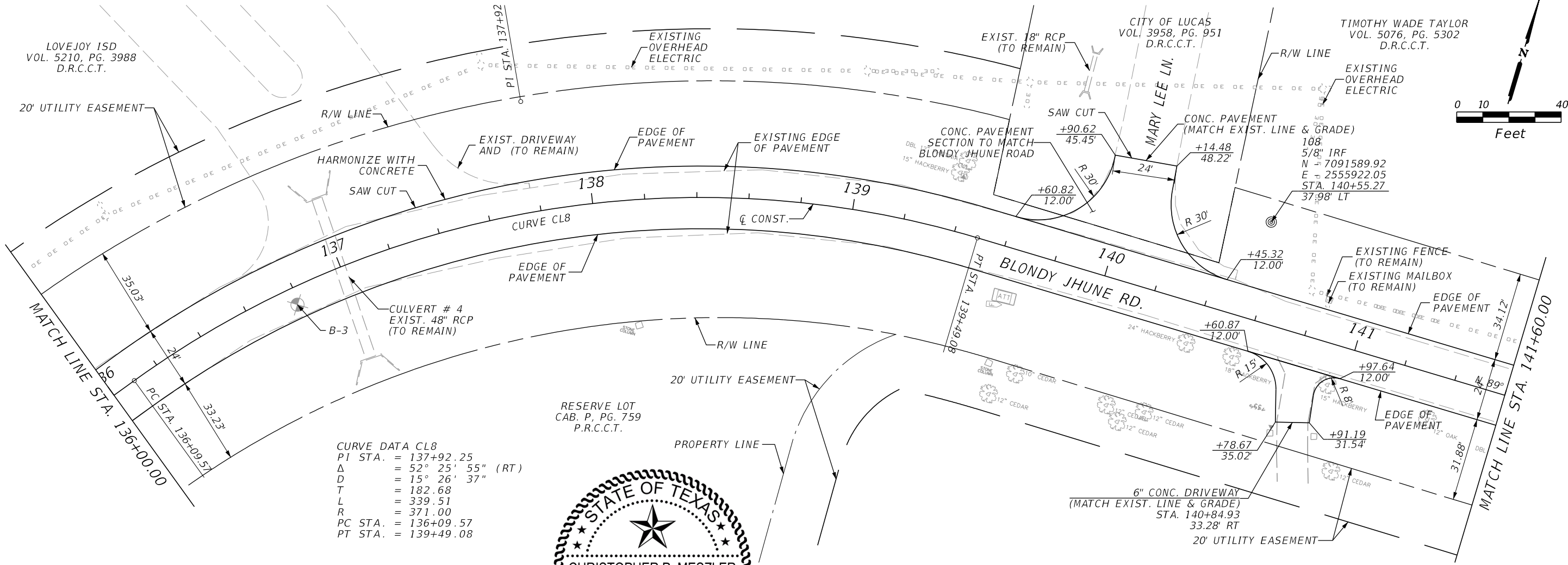
SHEET NO.
13

CALL BEFORE YOU DIG
TEXAS ONE CALL PARTICIPANTS REQUEST
48 HOURS NOTICE BEFORE YOU DIG, DRILL,
OR BLAST - STOP CALL

LOVEJOY ISD
VOL. 5210, PG. 3988
D.R.C.C.T.

CITY OF LUCAS
VOL. 3958, PG. 951
D.R.C.C.T.

TIMOTHY WADE TAYLOR
VOL. 5076, PG. 5302
D.R.C.C.T.



SCALE
1" = 40' Horizontal
1" = 10' Vertical

PLOTTED BY: hremeteria 1/11/2019
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DATE	REVISIONS DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

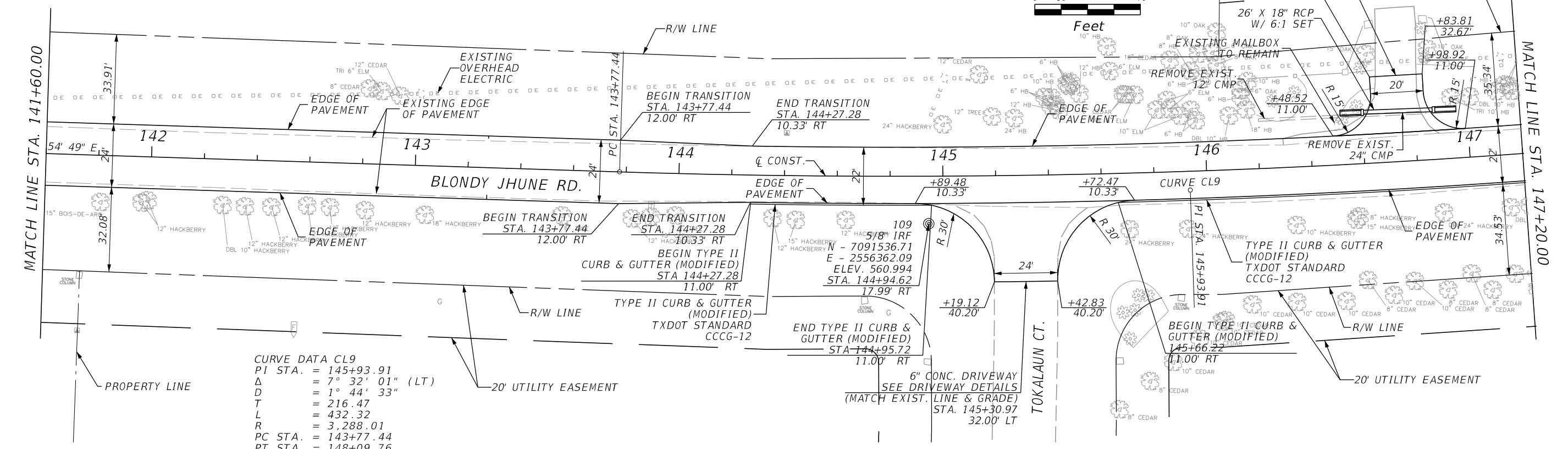
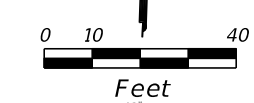
PLAN & PROFILE

SHEET NO.
14

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS

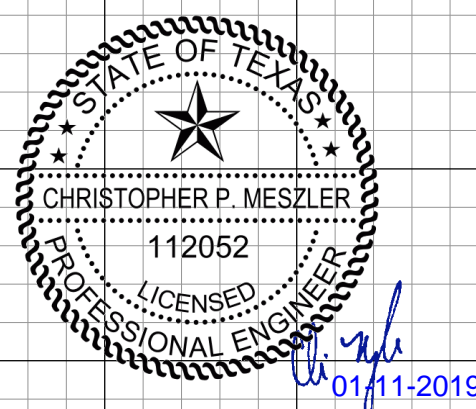
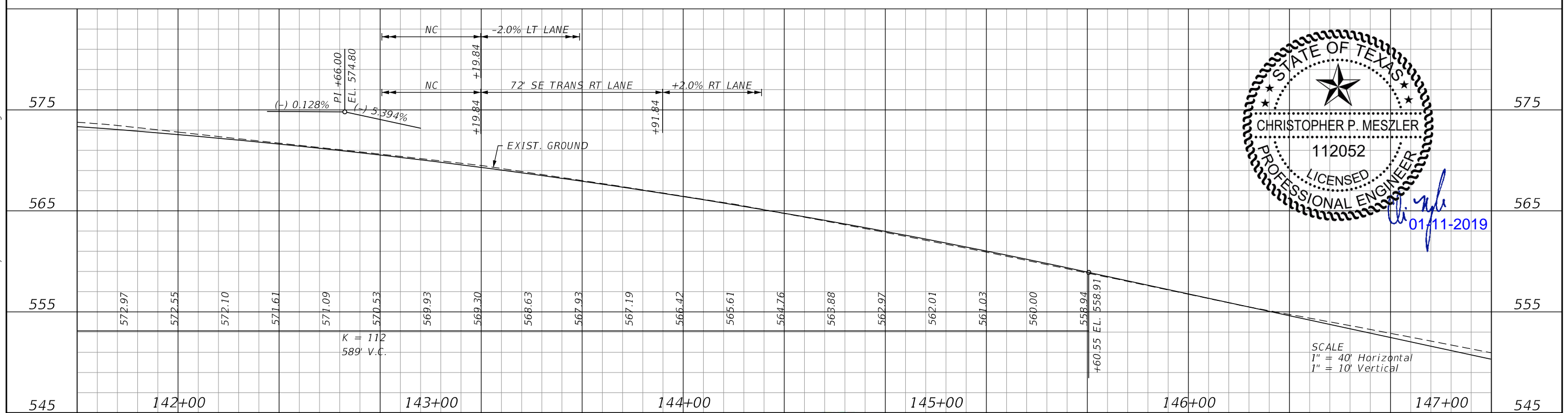
TIMOTHY WADE TAYLOR
VOL. 5076, PG. 5302
D.R.C.C.T.

JOANNE COX
DOC# 20091014001270000
D.R.C.C.T.



CURVE DATA CL9
PI STA. = 145+93.91
 Δ = 7° 32' 01" (LT)
D = 1° 44' 33"
T = 216.47
L = 432.32
R = 3,288.01
PC STA. = 143+77.44
PT STA. = 148+09.76

PLOTTED BY: hremeteria 1/11/2019 1:35:28 PM C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\3. Roadway\pavplanp07.dgn



SCALE
1" = 40' Horizontal
1" = 10' Vertical

DATE	REVISIONS DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
LIC. No. 112052
1903 CENTRAL DRIVE, SUITE #405
BEDFORD, TX 76021
PHONE: 817.618.3640
TBPE REG. F-15243



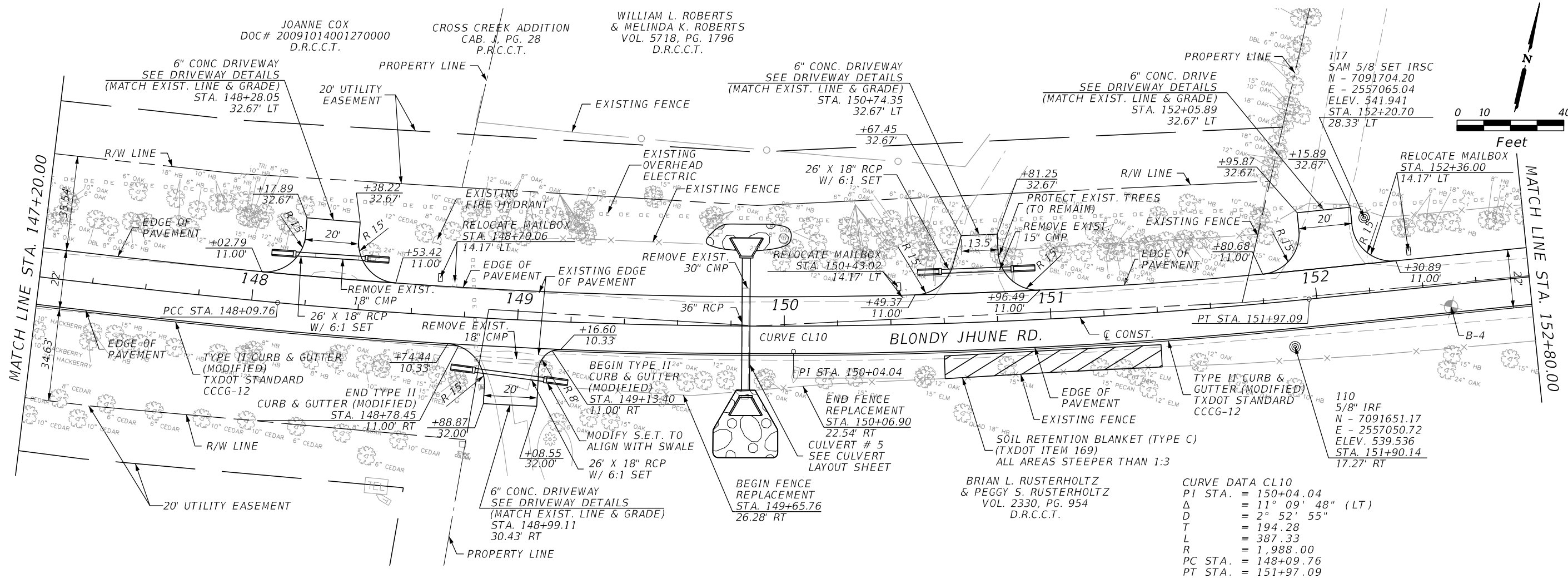
BLONDY JHUNE RD. RECONST.
CITY OF LUCAS
PUBLIC WORKS DEPARTMENT
665 COUNTRY CLUB ROAD
LUCAS, TX. 75002

PLAN & PROFILE

SHEET NO.
15

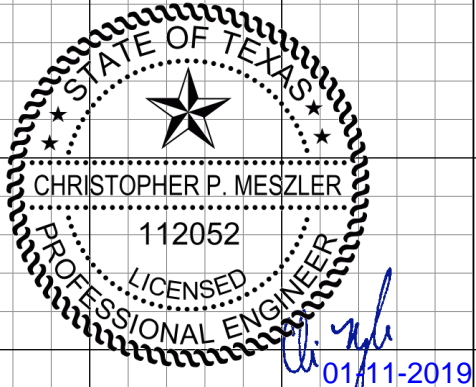
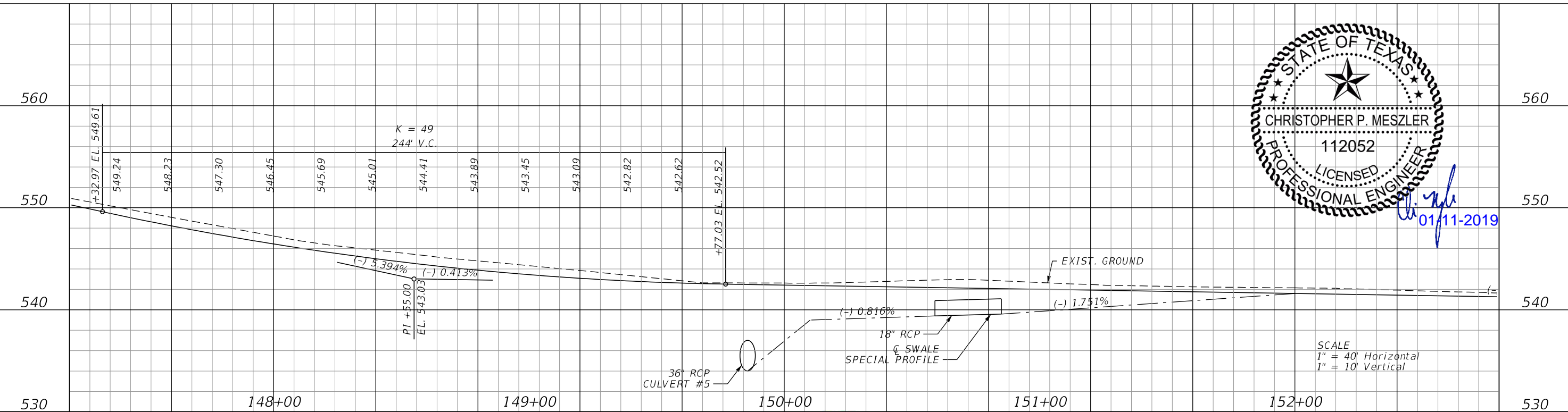
CALL BEFORE YOU DIG
TEXAS ONE CALL PARTICIPANTS REQUEST
48 HOURS NOTICE BEFORE YOU DIG, DRILL,
OR BLAST - STOP CALL
TEXAS ONE CALL SYSTEM
1-800-DIG-1-ESS

Plotted by: hremeteria
 Plot Date: 1/11/2019
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BRIAN L. RUSTERHOLTZ & PEGGY S. RUSTERHOLTZ
 VOL. 2330, PG. 954
 D.R.C.C.T.

CURVE DATA CL10
 PI STA. = 150+04.04
 Δ = 11° 09' 48" (LT)
 D = 2° 52' 55"
 T = 194.28
 L = 387.33
 R = 1,988.00
 PC STA. = 148+09.76
 PT STA. = 151+97.09



REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243

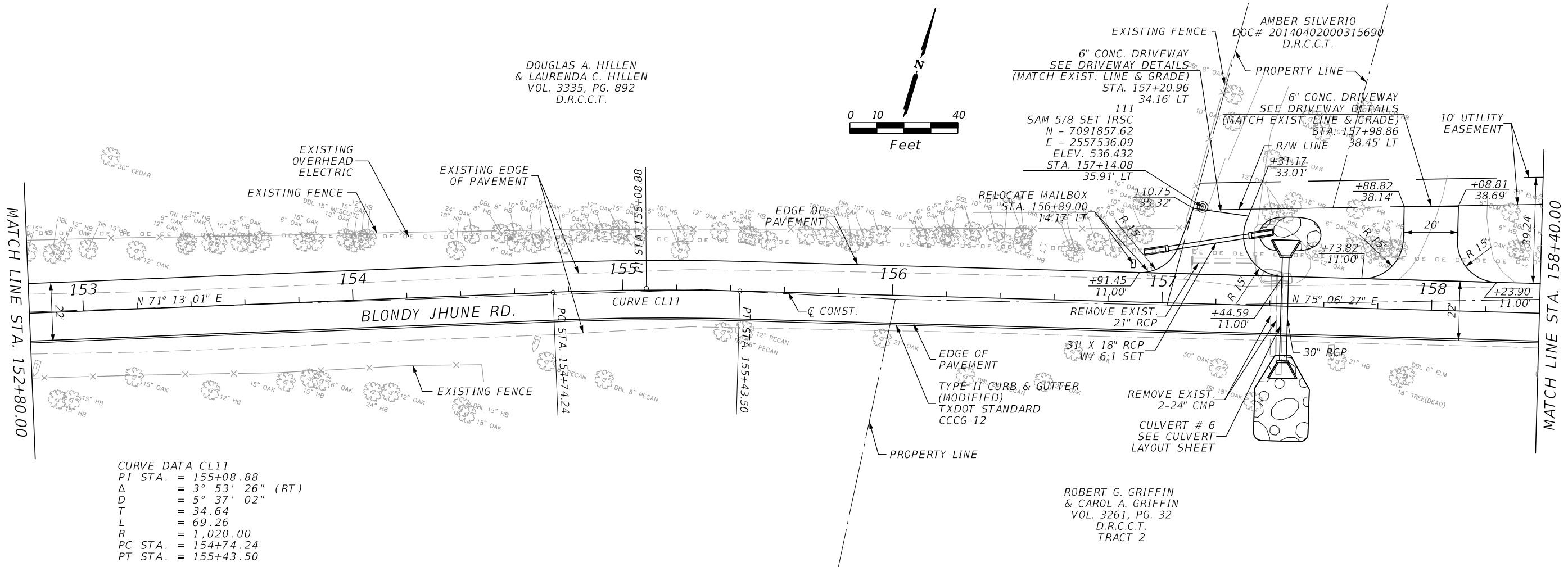
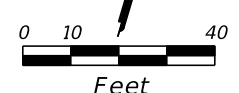
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

SHEET NO.
 16

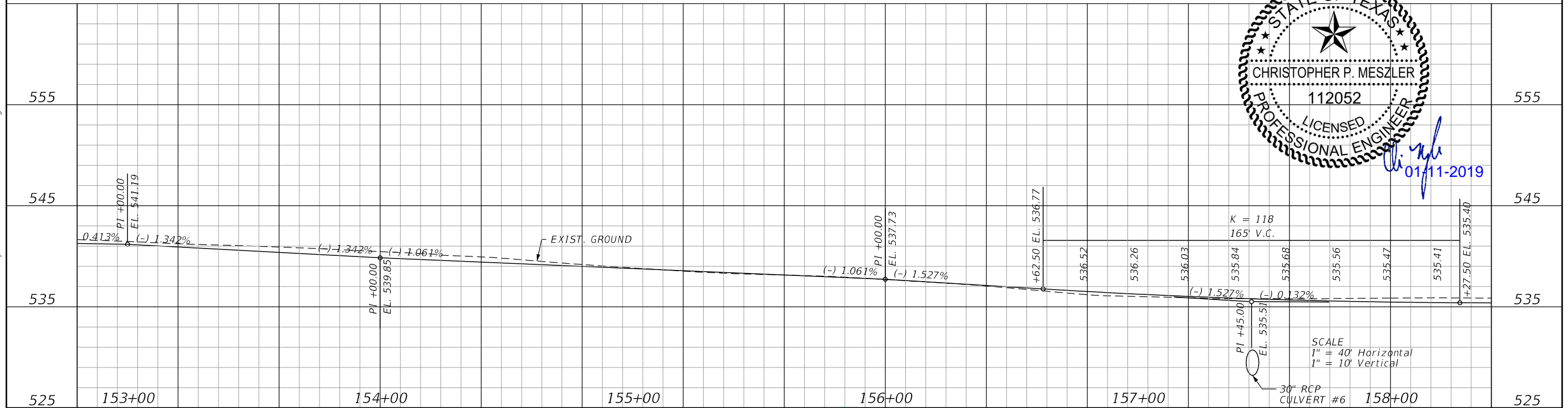
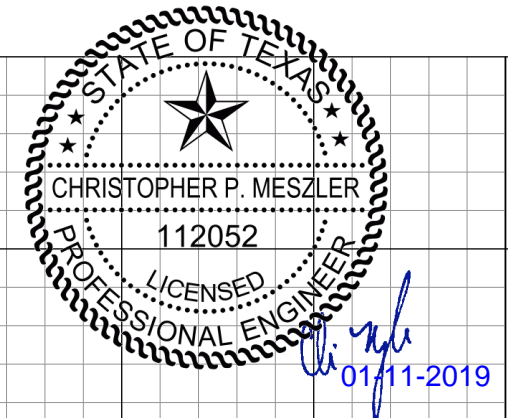
CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS
 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL

DOUGLAS A. HILLEN
& LAURENDA C. HILLEN
VOL. 3335, PG. 892
D.R.C.C.T.



CURVE DATA CL11
 PI STA. = 155+08.88
 Δ = 3° 53' 26" (RT)
 D = 5° 37' 02"
 T = 34.64
 L = 69.26
 R = 1,020.00
 PC STA. = 154+74.24
 PT STA. = 155+43.50

ROBERT G. GRIFFIN
& CAROL A. GRIFFIN
VOL. 3261, PG. 32
D.R.C.C.T.
TRACT 2



SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

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 PLOT DATE: 1/11/2019
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REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243

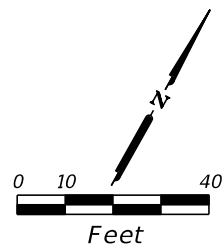


BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

PLAN & PROFILE

SHEET NO.
 17

CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-555
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL

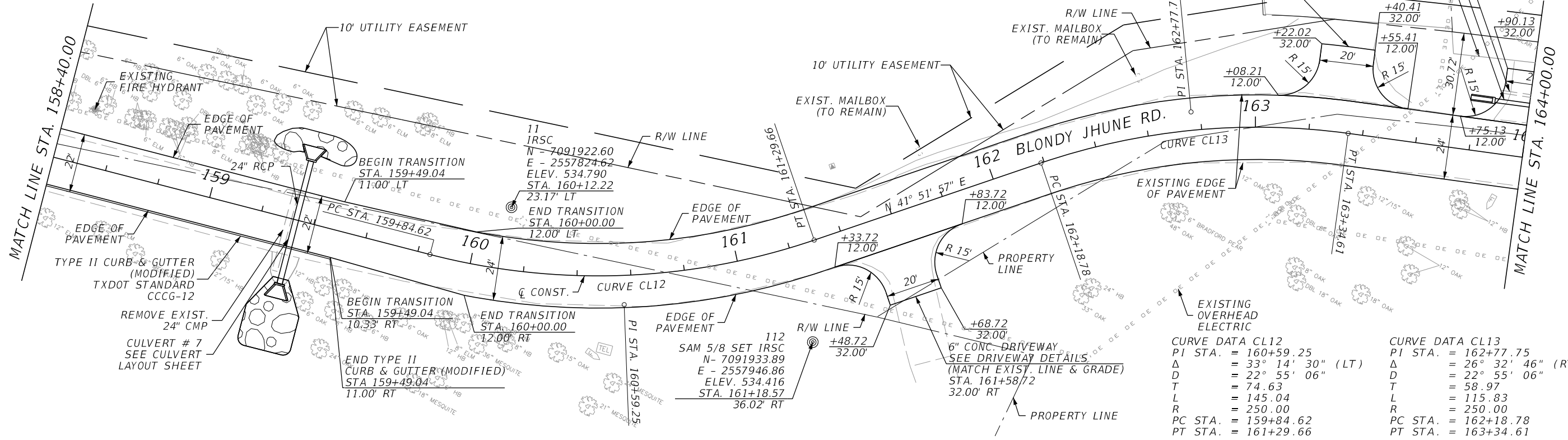


REPLAT OF
LOTS 3R & 4
ROCK CREEK ACRES
CAB. 2013, PG. 170
P.R.C.C.T.

BDM DEVELOPERS
BLONDY JHUNE PHASE 1 LLC
DOC# 20141202001311490
D.R.C.C.T.

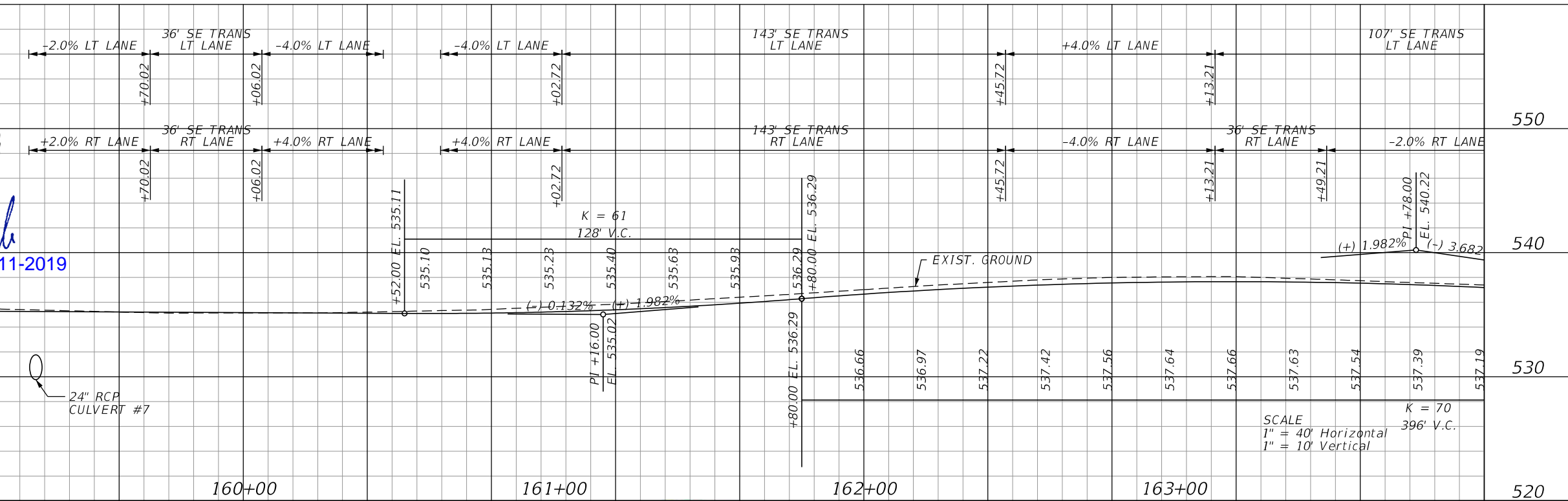
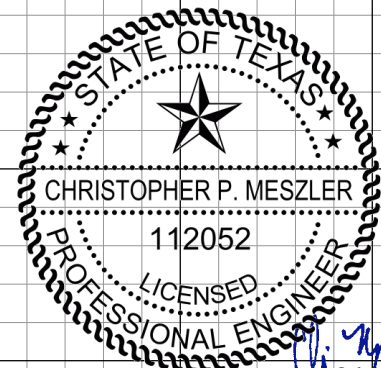
REPLAT OF
LOTS 1A
ROCK CREEK FARMS
CAB. 2013, PG. 360
P.R.C.C.T.

ROBERT B. WINSTON
& CAROL A. WINSTON
DOC# 20130816001163550
D.R.C.C.T.



CURVE DATA CL12		CURVE DATA CL13	
PI STA.	= 160+59.25	PI STA.	= 162+77.75
Δ	= 33° 14' 30" (LT)	Δ	= 26° 32' 46" (RT)
D	= 22° 55' 06"	D	= 22° 55' 06"
T	= 74.63	T	= 58.97
L	= 145.04	L	= 115.83
R	= 250.00	R	= 250.00
PC STA.	= 159+84.62	PC STA.	= 162+18.78
PT STA.	= 161+29.66	PT STA.	= 163+34.61

PLOTTED BY: hremptoria 1/11/2019
 PLOT DATE: 1/11/2019
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SCALE
1" = 40' Horizontal
1" = 10' Vertical



CHRISTOPHER P. MESZLER, P.E.
LIC. No. 112052
1903 CENTRAL DRIVE, SUITE #405
BEDFORD, TX 76021
PHONE: 817.618.3640
TBPE REG. F-15243

BLONDY JHUNE RD. RECONST.
CITY OF LUCAS
PUBLIC WORKS DEPARTMENT
665 COUNTRY CLUB ROAD
LUCAS, TX. 75002

PLAN & PROFILE

SHEET NO.
18

CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL

ROBERT B. WINSTON
& CAROL A. WINSTON
VOL. 5116, PG. 2131
D.R.C.C.T.

LOT 1
ROCK CREEK ACRES
CAB. 1, PG. 5
P.R.C.C.T.

ROBERT B. WINSTON
& CAROL A. WINSTON
VOL. 4451, PG. 2478
D.R.C.C.T.

13
IRSC
N - 7092252.96
E - 2558594.27
ELEV. 521.291
STA. 168+65.93
26.03' LT

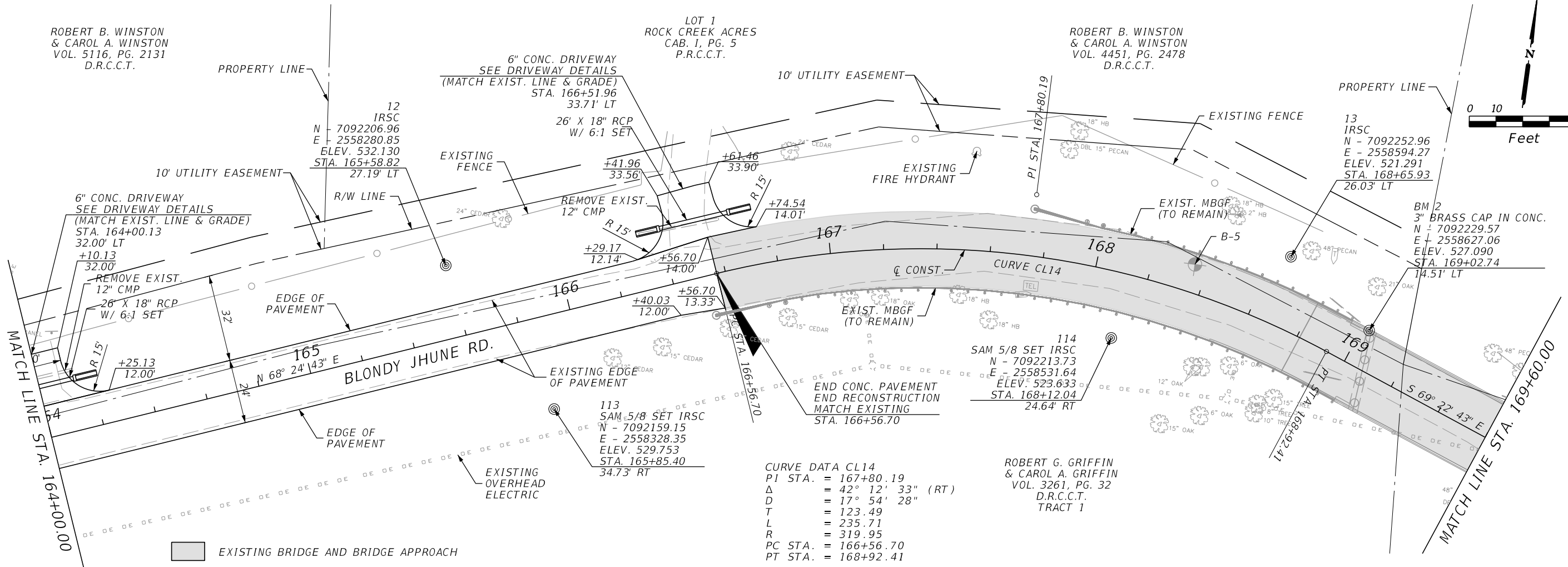
BM 2
3" BRASS CAP IN CONC.
N - 7092229.57
E - 2558627.06
ELEV. 527.090
STA. 169+02.74
14.51' LT

114
SAM 5/8 SET IRSC
N - 7092213.73
E - 2558531.64
ELEV. 523.633
STA. 168+12.04
24.64' RT

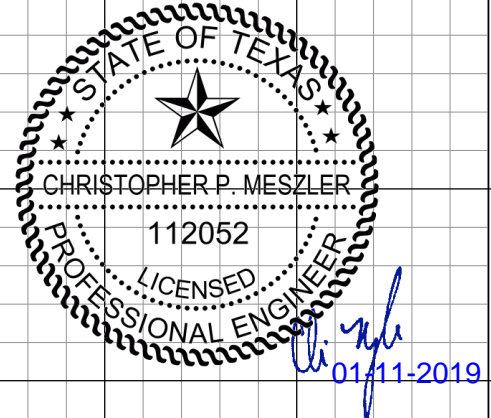
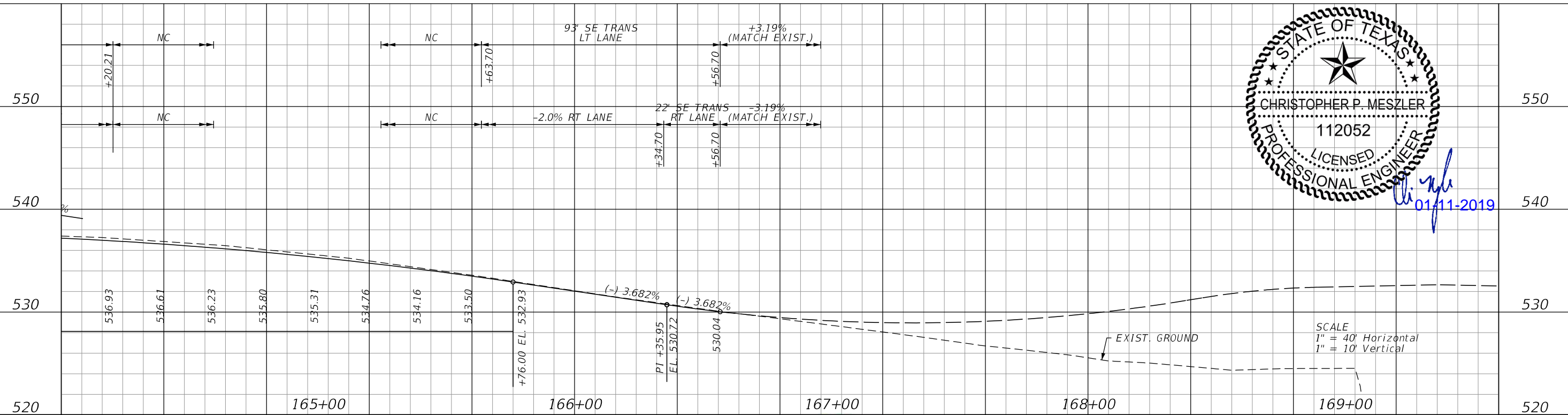
113
SAM 5/8 SET IRSC
N - 7092159.15
E - 2558328.35
ELEV. 529.753
STA. 165+85.40
34.73' RT

CURVE DATA CL14
PI STA. = 167+80.19
Δ = 42° 12' 33" (RT)
D = 17° 54' 28"
T = 123.49
L = 235.71
R = 319.95
PC STA. = 166+56.70
PT STA. = 168+92.41

ROBERT G. GRIFFIN
& CAROL A. GRIFFIN
VOL. 3261, PG. 32
D.R.C.C.T.
TRACT 1



EXISTING BRIDGE AND BRIDGE APPROACH



SCALE
1" = 40' Horizontal
1" = 10' Vertical

PLOTTED BY: hremeteria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:35:31 PM
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DATE	REVISIONS DESCRIPTION

LAKES ENGINEERING, INC.

CHRISTOPHER P. MESZLER, P.E.
LIC. No. 112052
1903 CENTRAL DRIVE, SUITE #405
BEDFORD, TX 76021
PHONE: 817.618.3640
TBPE REG. F-15243



BLONDY JHUNE RD. RECONST.
CITY OF LUCAS
PUBLIC WORKS DEPARTMENT
665 COUNTRY CLUB ROAD
LUCAS, TX. 75002

PLAN & PROFILE

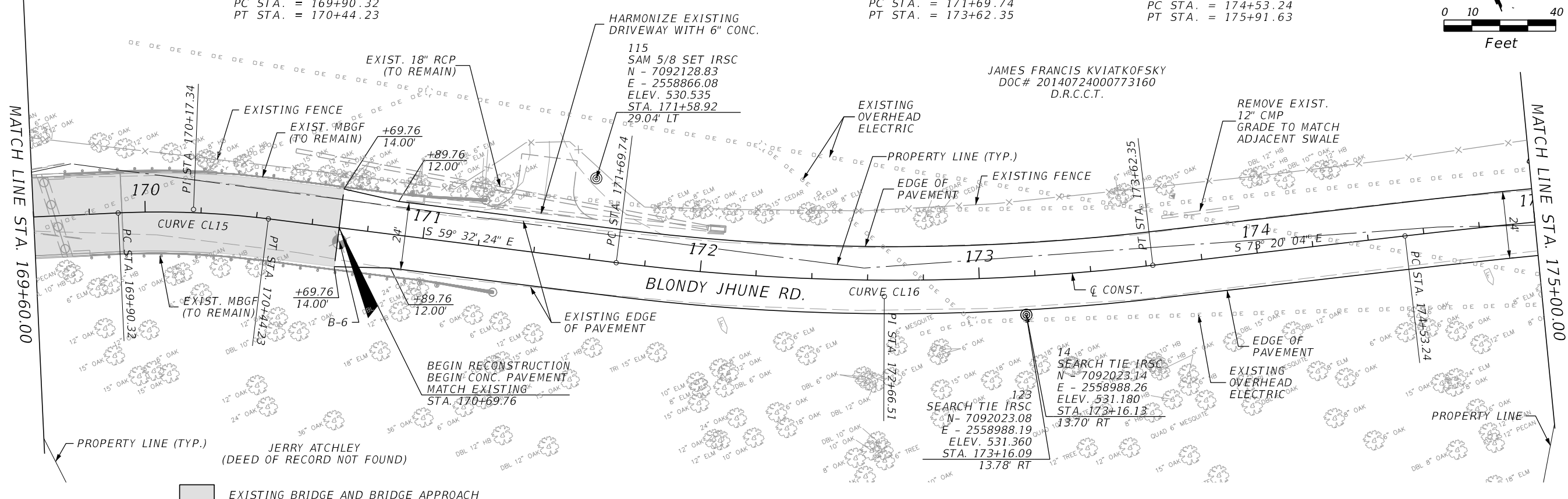
SHEET NO.
19

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1155

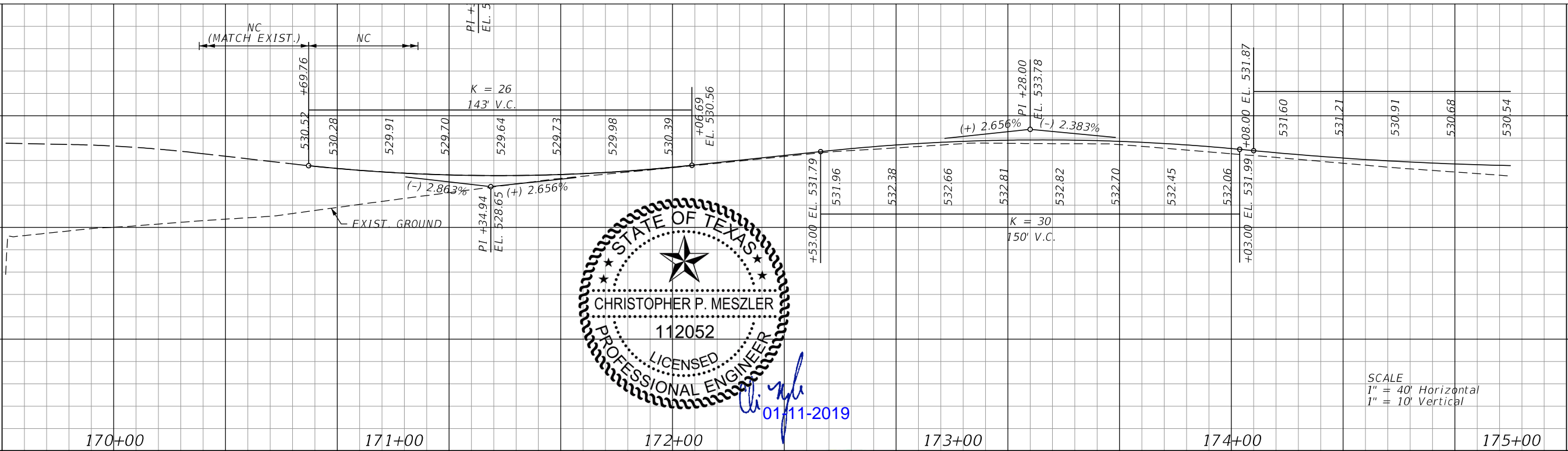
CURVE DATA CL15
 PI STA. = 170+17.34
 Δ = 9° 50' 19" (RT)
 D = 18° 14' 59"
 T = 27.02
 L = 53.91
 R = 313.95
 PC STA. = 169+90.32
 PT STA. = 170+44.23

CURVE DATA CL16
 PI STA. = 172+66.51
 Δ = 13° 47' 40" (LT)
 D = 7° 09' 43"
 T = 96.77
 L = 192.61
 R = 800.00
 PC STA. = 171+69.74
 PT STA. = 173+62.35

CURVE DATA CL17
 PI STA. = 175+22.45
 Δ = 3° 10' 18" (RT)
 D = 2° 17' 31"
 T = 69.21
 L = 138.38
 R = 2,500.00
 PC STA. = 174+53.24
 PT STA. = 175+91.63



EXISTING BRIDGE AND BRIDGE APPROACH



SCALE
 1" = 40' Horizontal
 1" = 10' Vertical

PLOTTED BY: hremeteria 1/11/2019
 PLOT DATE: 1/11/2019
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DATE	REVISIONS DESCRIPTION

LAKES ENGINEERING, INC.

CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TPBE REG. F-15243

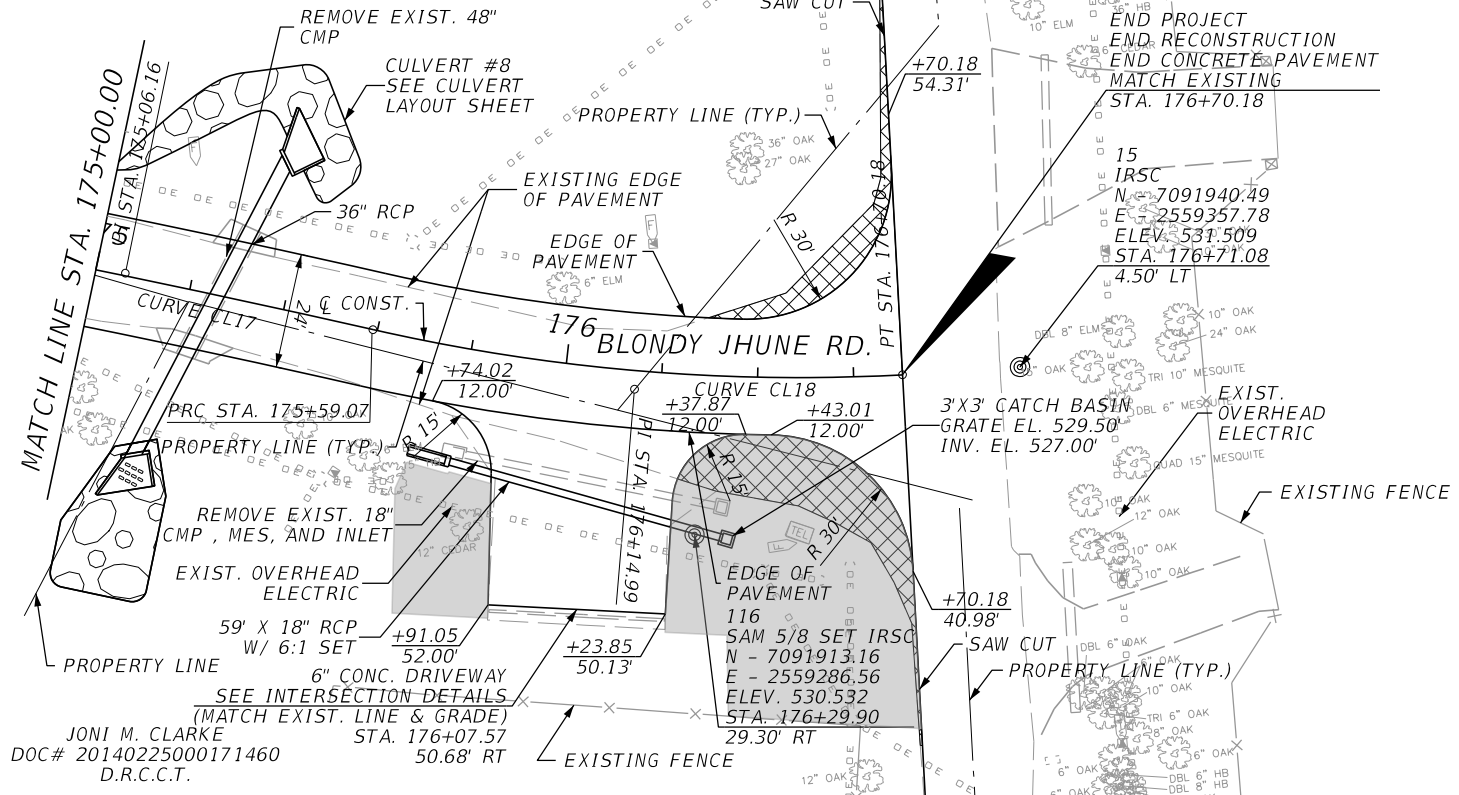
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

PLAN & PROFILE

SHEET NO.
 20

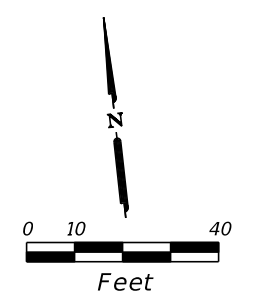
CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1155

JAMES FRANCIS KVIATKOFSKY
 DOC# 20140724000773160
 D.R.C.C.T.



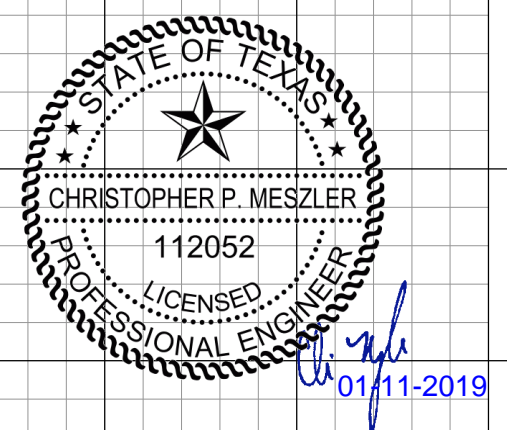
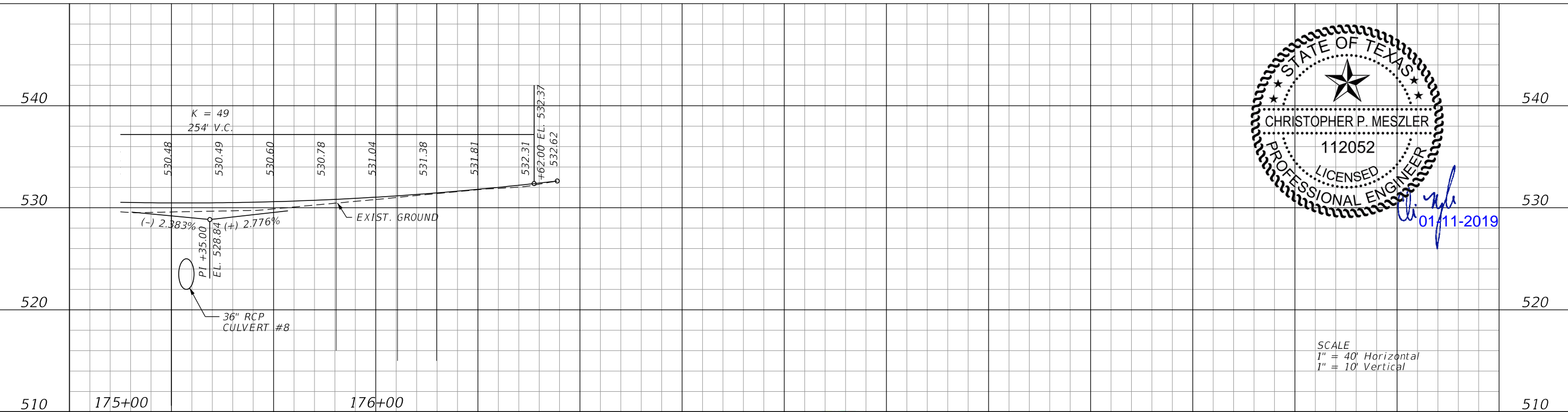
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 PI STA. = 175+06.16
 Δ = 2° 25' 32" (RT)
 D = 2° 17' 31"
 T = 52.92
 L = 105.83
 R = 2,500.00
 PC STA. = 174+53.24
 PT STA. = 175+59.07

CURVE DATA CL18
 PI STA. = 176+14.99
 Δ = 15° 54' 41" (LT)
 D = 14° 19' 14"
 T = 55.91
 L = 111.11
 R = 400.09
 PC STA. = 175+59.07
 PT STA. = 176+70.18



LEGEND:
 GRADE TO DRAIN, SOD ALL DISTURBED AREAS (SEE GRADING PLANS)
 ASPHALT PAVEMENT (TO BE REMOVED)

PLOTTED BY: hrcmenteria 1/11/2019 1:35:34 PM
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SCALE
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 1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION



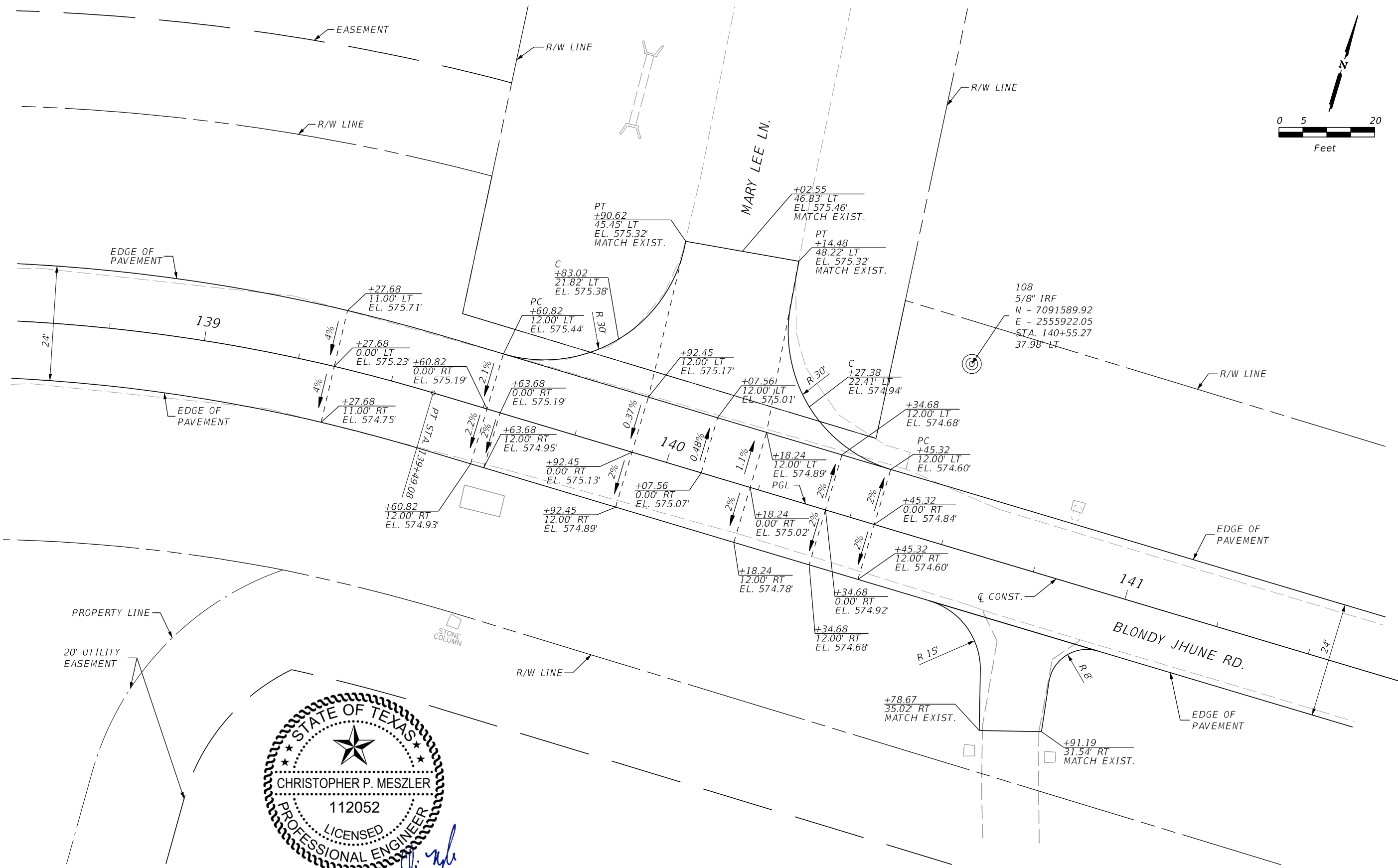
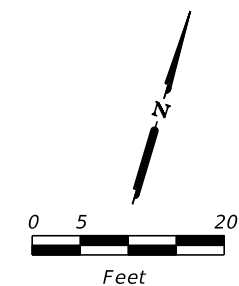
CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243

BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

PLAN & PROFILE

SHEET NO.
 21

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS



CHRISTOPHER P. MESZLER
 112052
 LICENSED
 PROFESSIONAL ENGINEER
CP Meszler
 01/11-2019

PLOTTED BY: hrementeria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:35:35 PM
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DATE	REVISIONS DESCRIPTION

LAKES

ENGINEERING, INC.

CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243

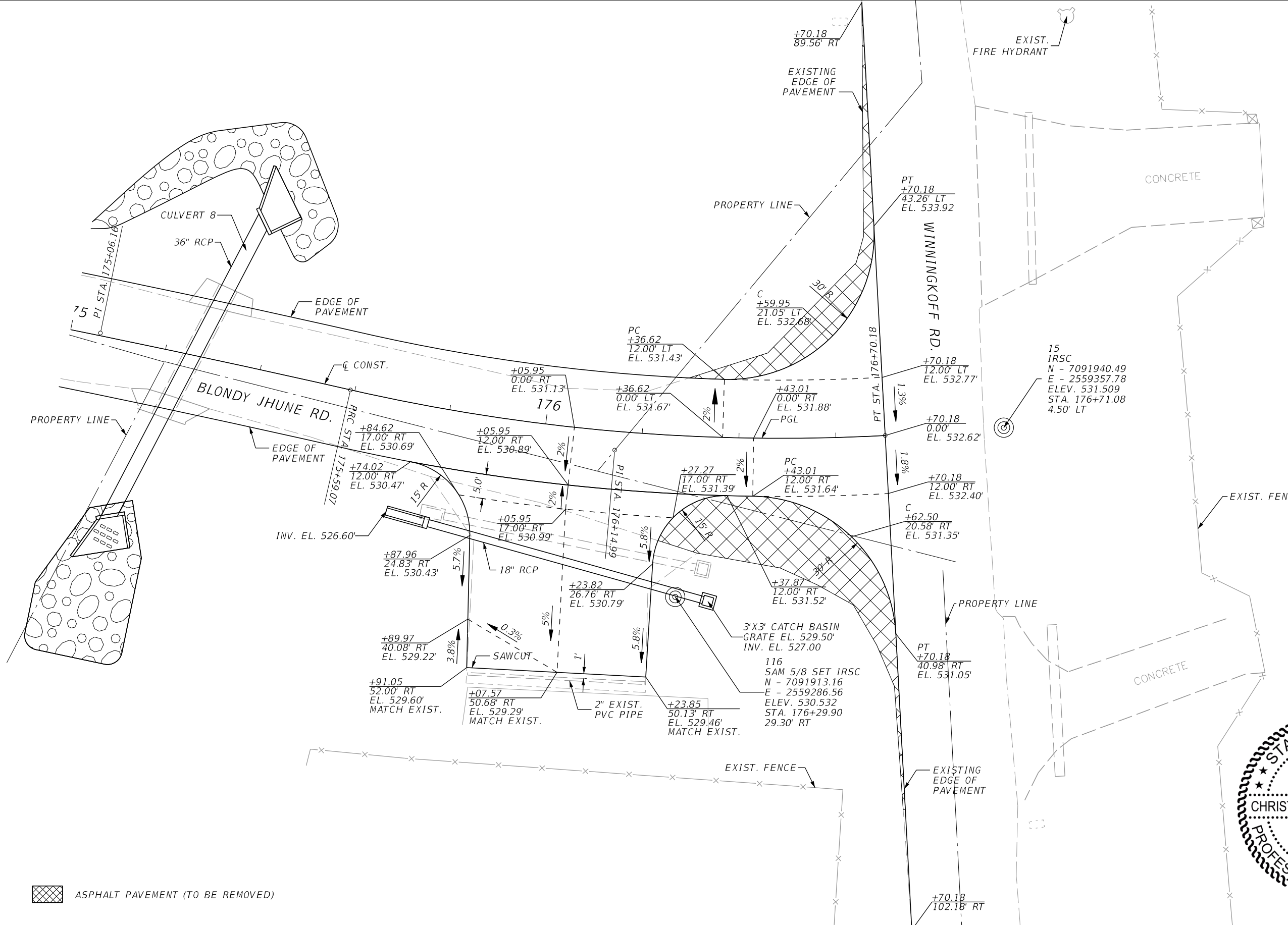
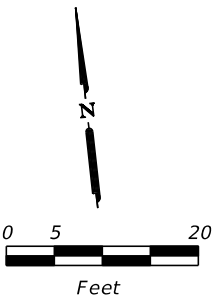


BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

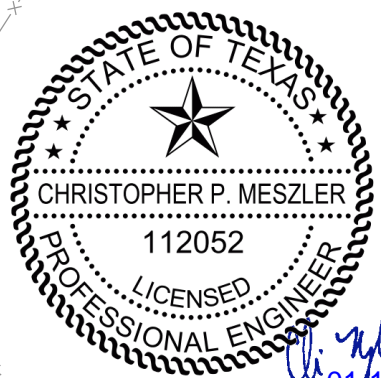
INTERSECTION DETAILS

SHEET
 NO.
 22

CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL



ASPHALT PAVEMENT (TO BE REMOVED)



PLOTTED BY: hrementeria
 PLOT DATE: 1/11/2019
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DATE	REVISIONS DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243

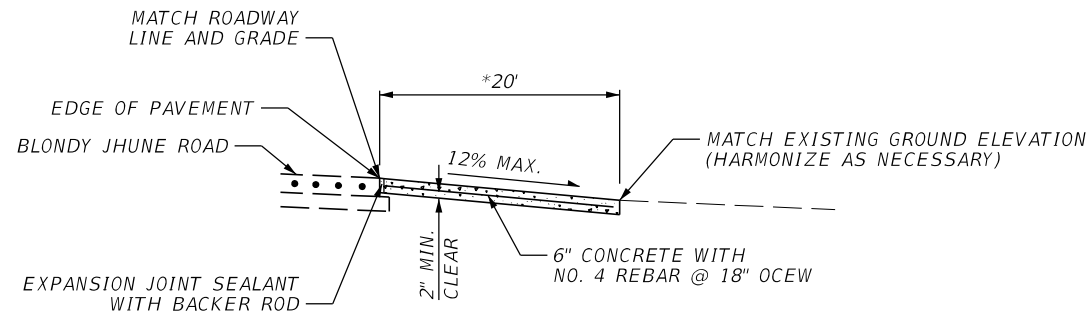


BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

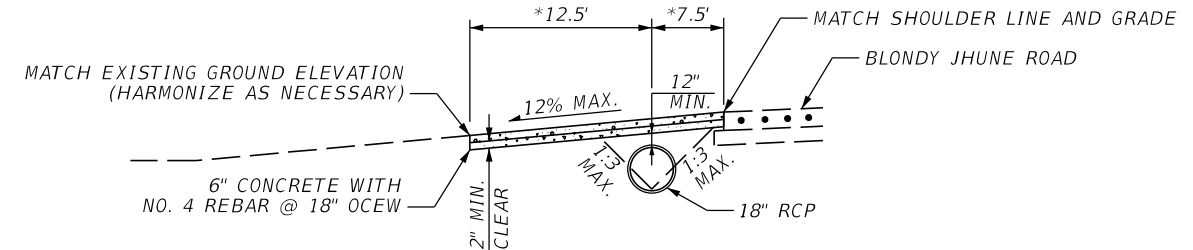
INTERSECTION DETAILS

SHEET NO.
 23

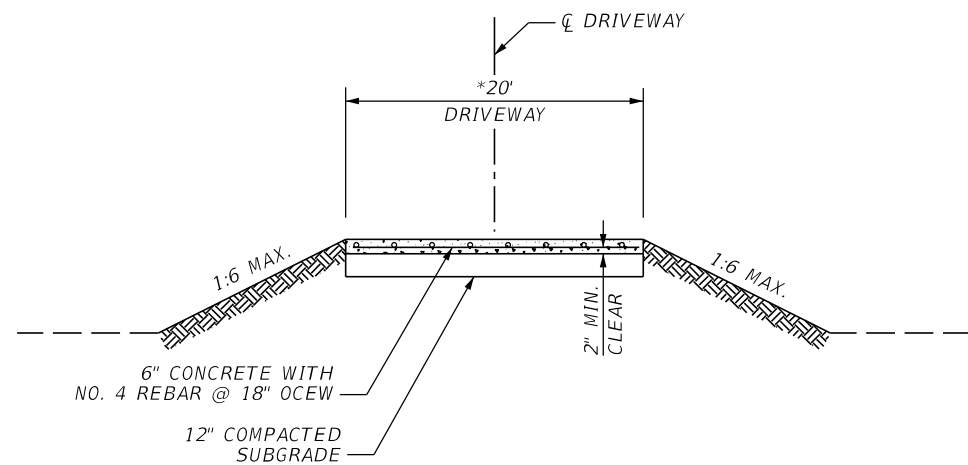
CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1155



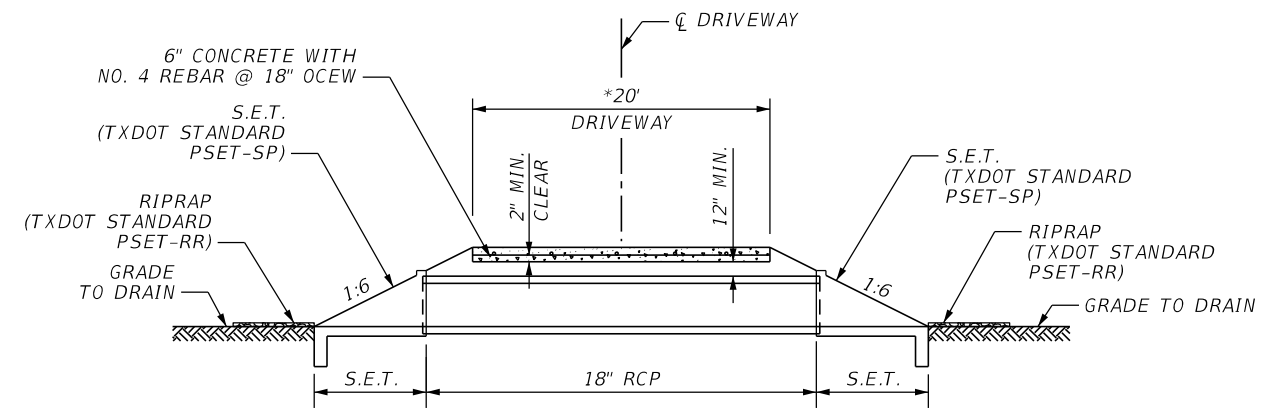
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DRIVEWAY TYPICAL PROFILE
 (WITHOUT SIDEDRAIN)



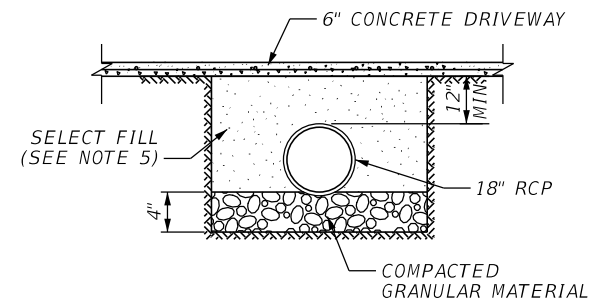
* DIMENSION MAY VARY AS SHOWN IN PLANS
DRIVEWAY TYPICAL PROFILE
 (WITH SIDEDRAIN)



* DIMENSION MAY VARY AS SHOWN IN PLANS
DRIVEWAY TYPICAL SECTION
 (WITHOUT SIDEDRAIN)



* DIMENSION MAY VARY AS SHOWN IN PLANS
DRIVEWAY TYPICAL SECTION
 (WITH SIDEDRAIN)



BACKFILL AND BEDDING DETAIL

NOTES:

1. DRIVEWAY MAY BE EXTENDED BEYOND RIGHT OF WAY LINE AS REQUIRED TO MEET EXISTING GRADE. COORDINATE WITH PROPERTY OWNER AND CITY.
2. EXACT LOCATIONS, DIMENSIONS, AND TYPE MAY BE FIELD MODIFIED WITH PRIOR APPROVAL FROM THE CITY.
3. SIDE DRAINS TO BE INSTALLED WHERE ROADSIDE SWALE DRAINAGE IS PRESENT, AS INDICATED ON PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. SIDE DRAINS TO BE INSTALLED WITH A MINIMUM OF 12" COVER, NOT INCLUDING CONCRETE DRIVEWAY THICKNESS.
5. PLACE BACKFILL EQUALLY ALONG BOTH SIDES OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.). COMPACT EACH LIFT MECHANICALLY. THOROUGHLY COMPACT MATERIALS PLACED UNDER THE HAUNCHES OF THE PIPE TO PREVENT DAMAGE OR DISPLACEMENT OF THE PIPE. CONTINUE TO PLACE BACKFILL IN THIS MANNER TO THE TOP-OF-PIPE ELEVATION. PLACE AND COMPACT BACKFILL ABOVE THE TOP OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.).



TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS
 CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL

hremeteria
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REVISIONS	
DATE	DESCRIPTION



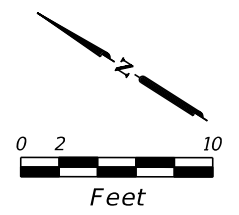
CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



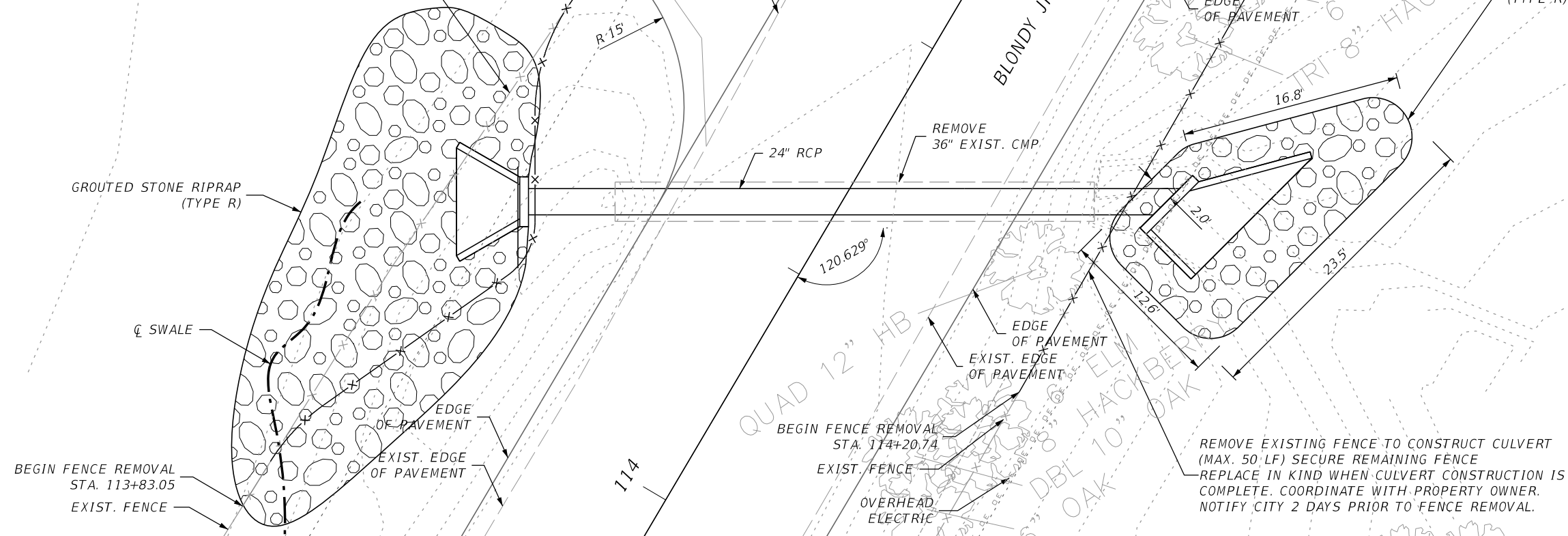
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

DRIVEWAY DETAILS

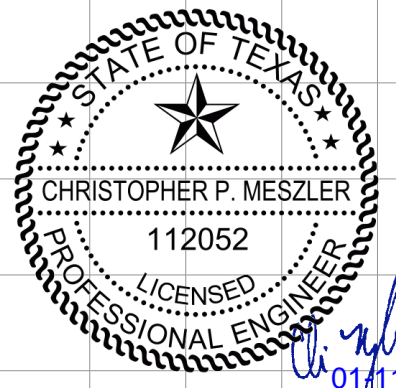
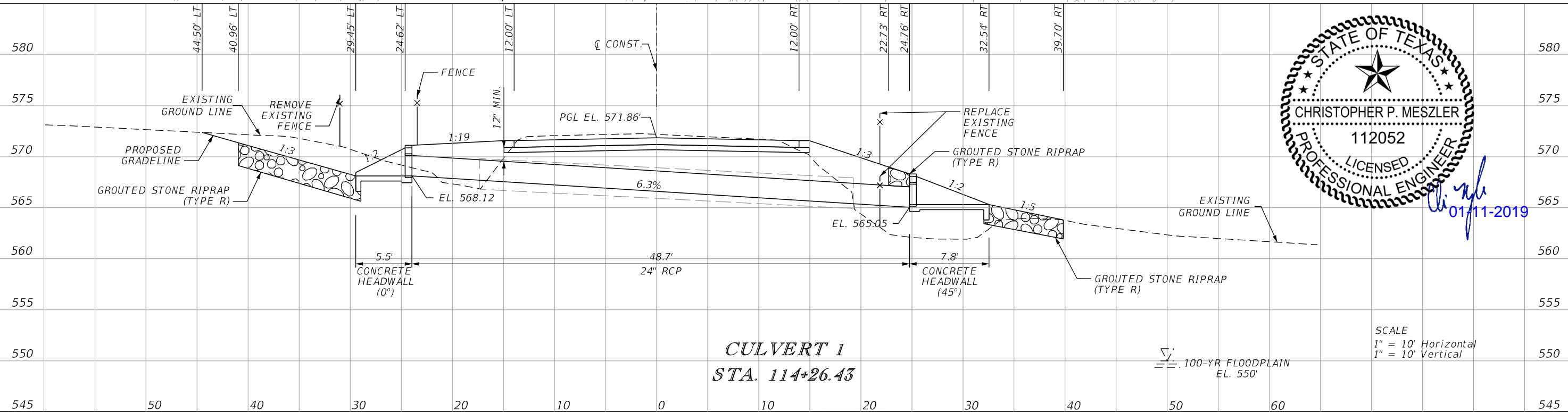
SHEET NO.
 24



REMOVE EXISTING FENCE TO CONSTRUCT CULVERT (MAX. 50 LF) SECURE REMAINING FENCE REPLACE IN KIND WHEN CULVERT CONSTRUCTION IS COMPLETE. COORDINATE WITH PROPERTY OWNER. NOTIFY CITY 2 DAYS PRIOR TO FENCE REMOVAL.



- NOTES:
- 1) CONTRACTOR SHALL USE GRANULAR OR SELECT FILL BEHIND CULVERT HEADWALLS (NO SEPARATE PAYMENT).
 - 2) CULVERT INSTALLATION PROCEDURE: PLACE BACKFILL EQUALLY ALONG BOTH SIDES OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.) COMPACT EACH LIFT MECHANICALLY. COMPACT MATERIALS PLACED UNDER THE HAUNCHES OF THE PIPE TO PREVENT DAMAGE OR DISPLACEMENT OF THE PIPE. CONTINUE TO PLACE BACKFILL IN THIS MANNER TO THE TOP-OF-PIPE ELEVATION. PLACE AND COMPACT BACKFILL ABOVE THE TOP OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.).
 - 3) COMPACT ALL FILL AND EXCAVATIONS TO 98% PROCTOR DENSITY AT ±2% OF OPTIMUM MOISTURE.
 - 4) FOR RCP SPECIFICATIONS SEE TXDOT ITEM 464. RCP SHALL BE CLASS III MINIMUM.
 - 5) FOR RIP RAP SPECIFICATIONS, SEE TXDOT ITEM 432.
 - 6) FOR HEADWALL DETAILS, SEE TXDOT STANDARD CH-FW.
 - 7) SEE GRADING PLAN FOR REQUIRED EARTHWORK.



CULVERT 1
STA. 114+26.43

SCALE
1" = 10' Horizontal
1" = 10' Vertical

▽ = 100-YR FLOODPLAIN
EL. 550'

PLOTTED BY: hremeteria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:35:47 PM
 LOCATION: M:\Projects\17-113 Blondy Jhune Rd Widening\1800457\4 - Design\Plan Set\5. Drainage\culvlay\00.DGN

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



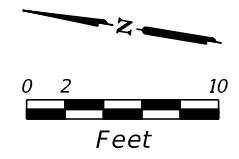
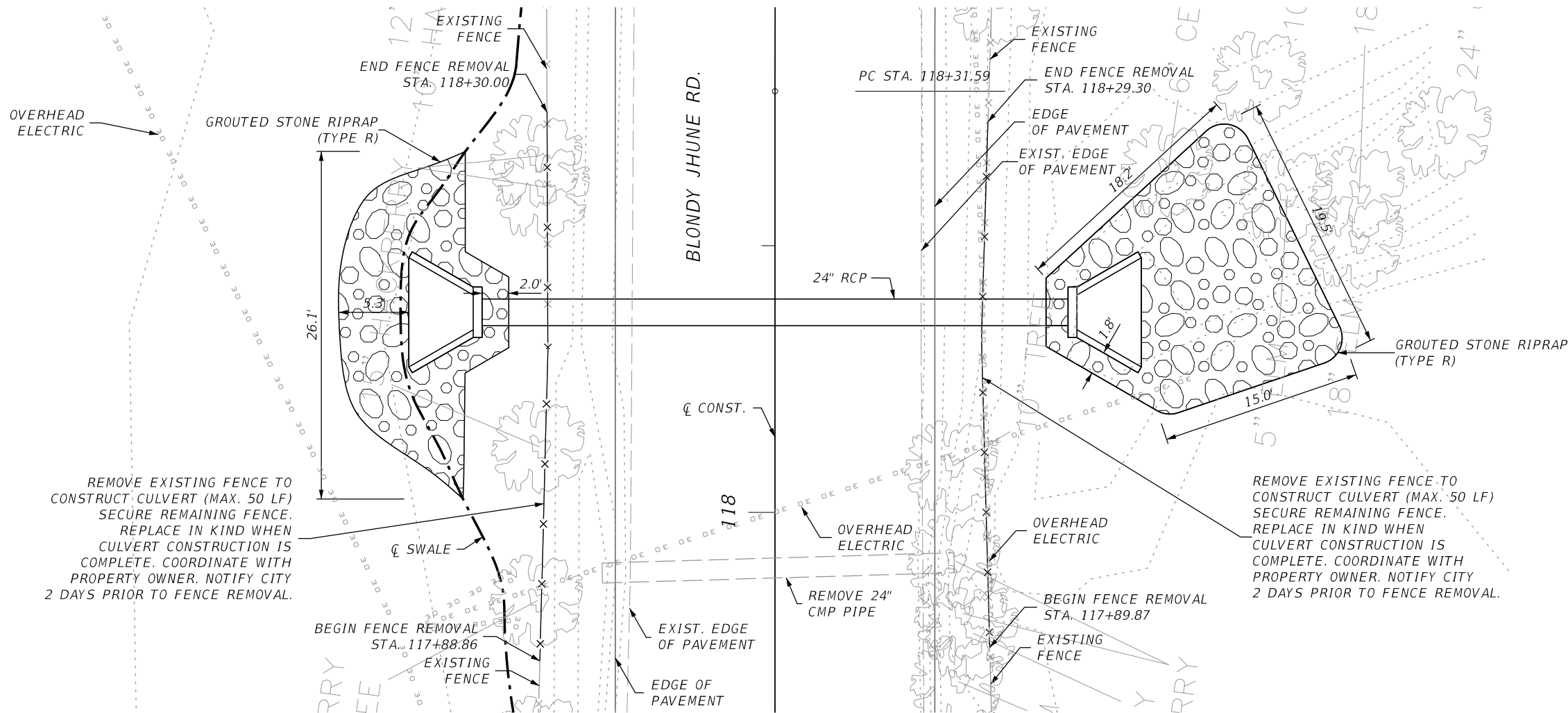
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CULVERT LAYOUT

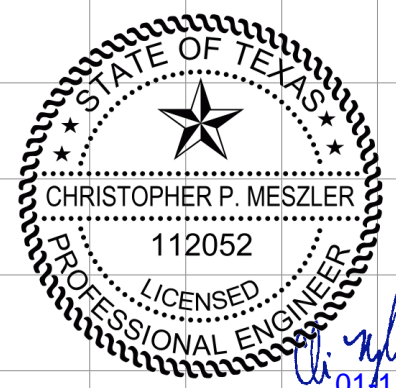
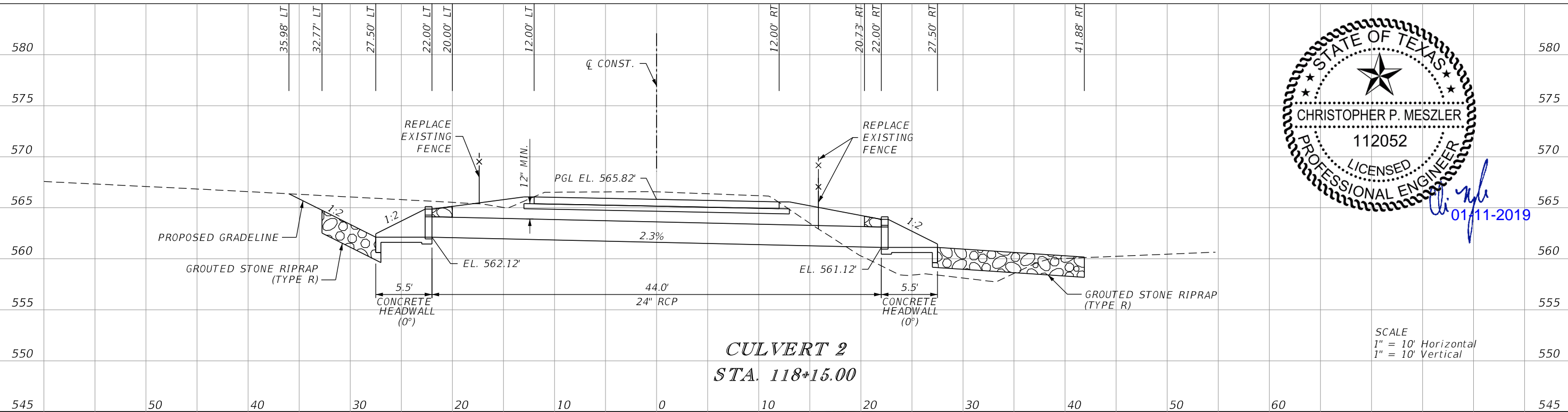
SHEET NO.
25

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS

PLOTTED BY: hremeteria
 1/11/2019
 LAST DATE: 1:35:48 PM
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- NOTES:
- 1) CONTRACTOR SHALL USE GRANULAR OR SELECT FILL BEHIND CULVERT HEADWALLS (NO SEPARATE PAYMENT).
 - 2) CULVERT INSTALLATION PROCEDURE: PLACE BACKFILL EQUALLY ALONG BOTH SIDES OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.) COMPACT EACH LIFT MECHANICALLY. COMPACT MATERIALS PLACED UNDER THE HAUNCHES OF THE PIPE TO PREVENT DAMAGE OR DISPLACEMENT OF THE PIPE. CONTINUE TO PLACE BACKFILL IN THIS MANNER TO THE TOP-OF-PIPE ELEVATION. PLACE AND COMPACT BACKFILL ABOVE THE TOP OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.).
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 - 4) FOR RCP SPECIFICATIONS SEE TXDOT ITEM 464. RCP SHALL BE CLASS III MINIMUM.
 - 5) FOR RIP RAP SPECIFICATIONS, SEE TXDOT ITEM 432.
 - 6) FOR HEADWALL DETAILS, SEE TXDOT STANDARD CH-FW.
 - 7) SEE GRADING PLAN FOR REQUIRED EARTHWORK.



SCALE
 1" = 10' Horizontal
 1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

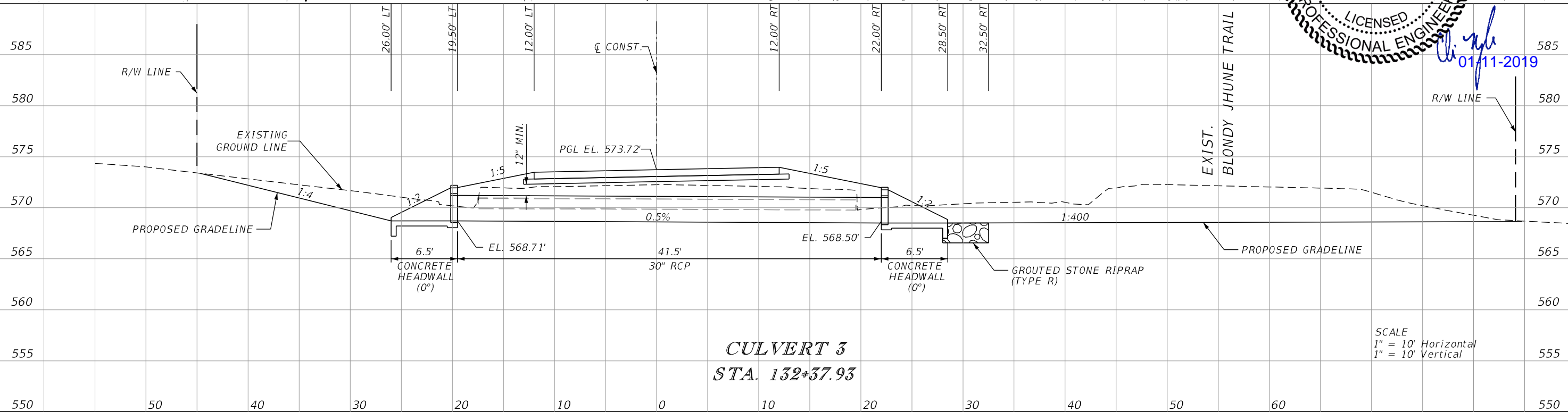
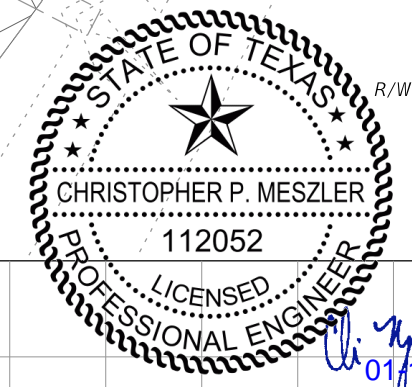
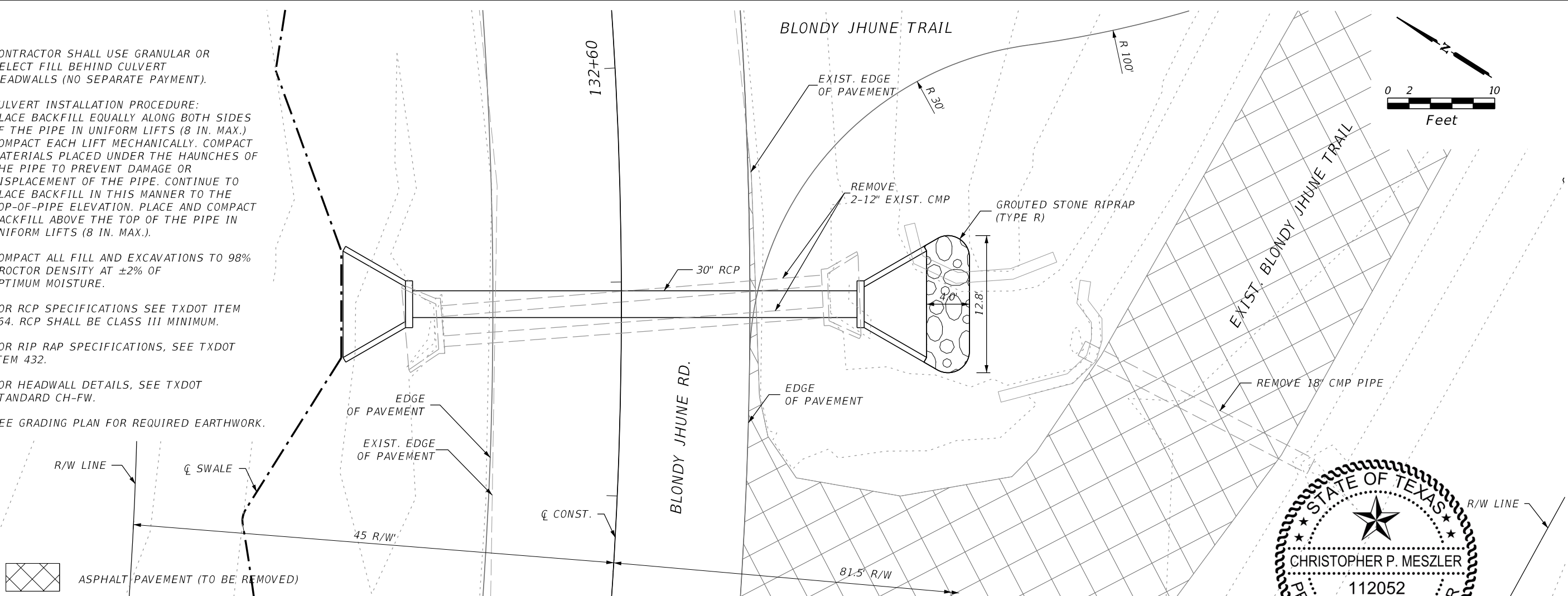
CULVERT LAYOUT

SHEET NO.
 26

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-TESS

NOTES:

- 1) CONTRACTOR SHALL USE GRANULAR OR SELECT FILL BEHIND CULVERT HEADWALLS (NO SEPARATE PAYMENT).
- 2) CULVERT INSTALLATION PROCEDURE: PLACE BACKFILL EQUALLY ALONG BOTH SIDES OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.) COMPACT EACH LIFT MECHANICALLY. COMPACT MATERIALS PLACED UNDER THE HAUNCHES OF THE PIPE TO PREVENT DAMAGE OR DISPLACEMENT OF THE PIPE. CONTINUE TO PLACE BACKFILL IN THIS MANNER TO THE TOP-OF-PIPE ELEVATION. PLACE AND COMPACT BACKFILL ABOVE THE TOP OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.).
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- 7) SEE GRADING PLAN FOR REQUIRED EARTHWORK.



SCALE
1" = 10' Horizontal
1" = 10' Vertical

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 PLOT DATE: 1/11/2019
 LAST SAVED: 1:35:48 PM
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REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243

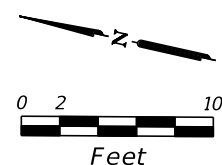
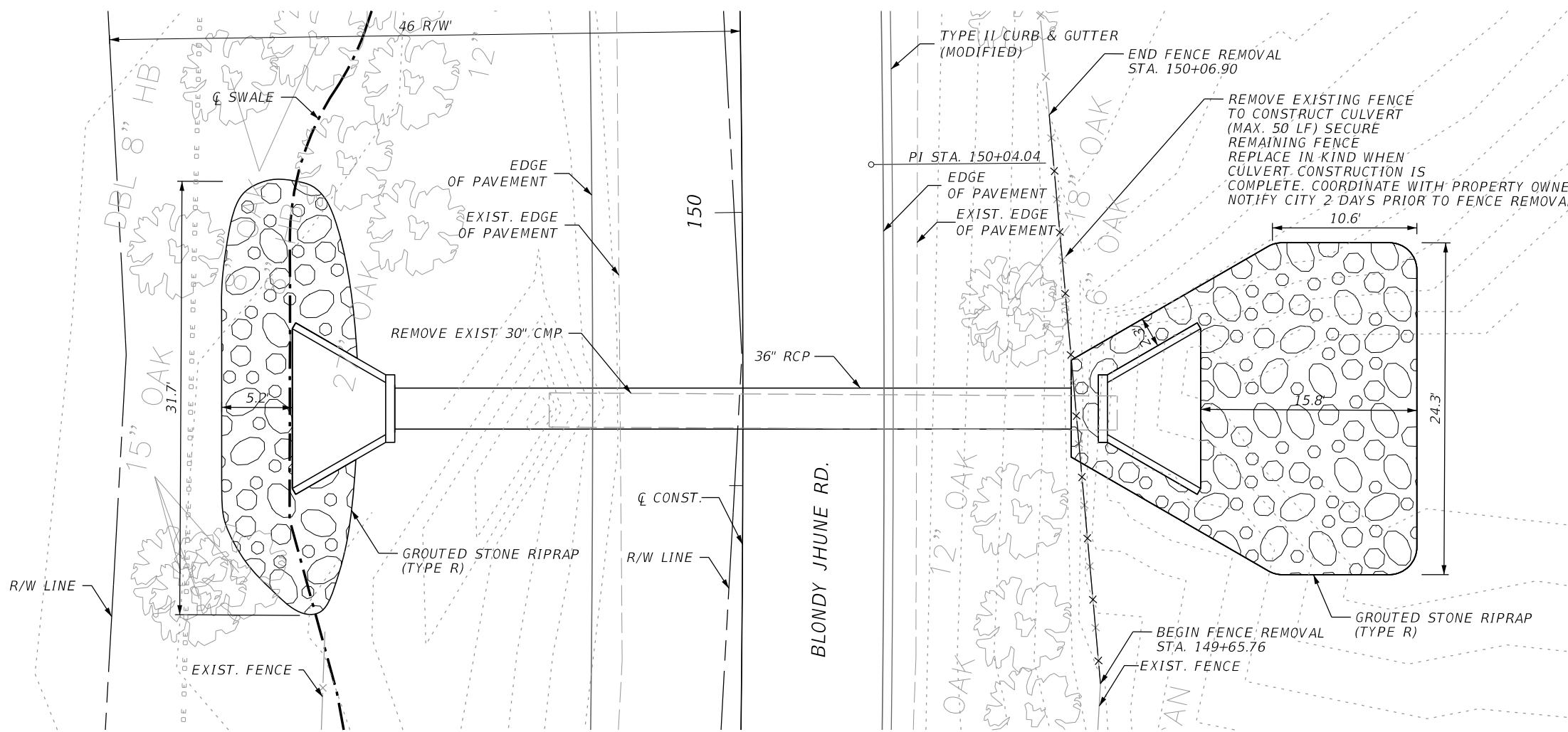


BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

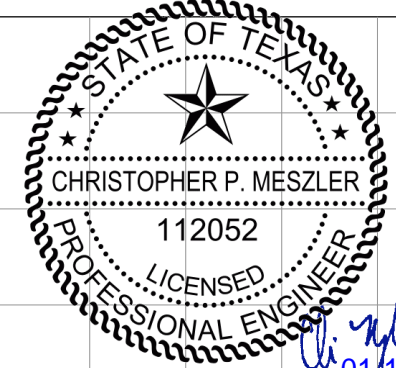
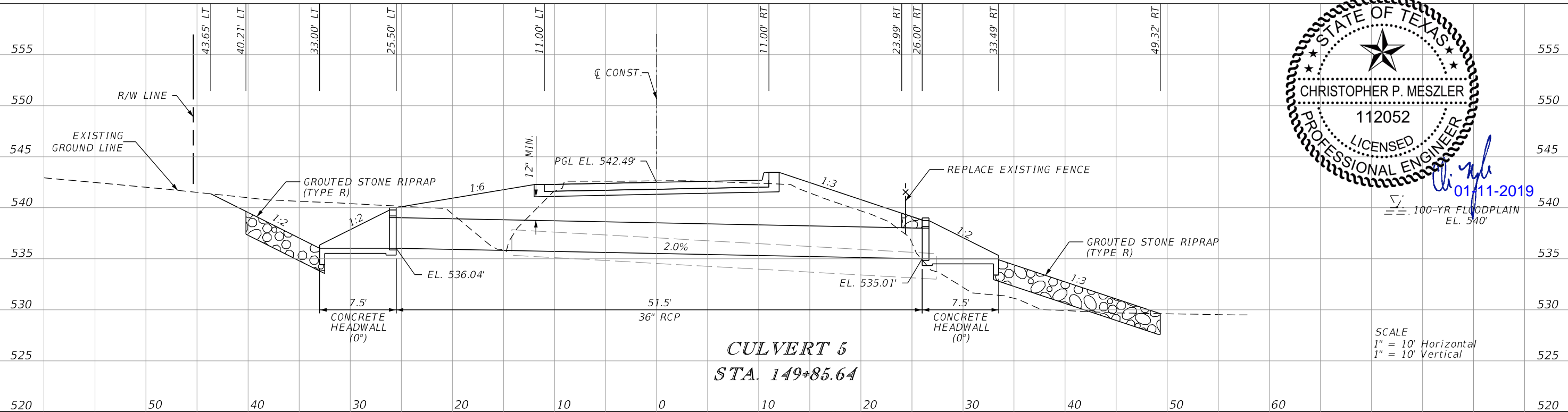
CULVERT LAYOUT

SHEET NO.
 27

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP-CALL



- NOTES:
- 1) CONTRACTOR SHALL USE GRANULAR OR SELECT FILL BEHIND CULVERT HEADWALLS (NO SEPARATE PAYMENT).
 - 2) CULVERT INSTALLATION PROCEDURE: PLACE BACKFILL EQUALLY ALONG BOTH SIDES OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.) COMPACT EACH LIFT MECHANICALLY. COMPACT MATERIALS PLACED UNDER THE HAUNCHES OF THE PIPE TO PREVENT DAMAGE OR DISPLACEMENT OF THE PIPE. CONTINUE TO PLACE BACKFILL IN THIS MANNER TO THE TOP-OF-PIPE ELEVATION. PLACE AND COMPACT BACKFILL ABOVE THE TOP OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.).
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 - 5) FOR RIP RAP SPECIFICATIONS, SEE TXDOT ITEM 432.
 - 6) FOR HEADWALL DETAILS, SEE TXDOT STANDARD CH-FW.
 - 7) SEE GRADING PLAN FOR REQUIRED EARTHWORK.



100-YR FLOODPLAIN
EL. 540'

SCALE
1" = 10' Horizontal
1" = 10' Vertical

CULVERT 5
STA. 149+85.64

PLOTTED BY: hremeteria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:35:49 PM
 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\5. Drainage\culvlay03.DGN

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243

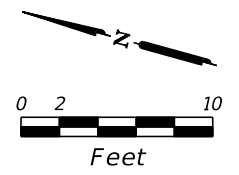


BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

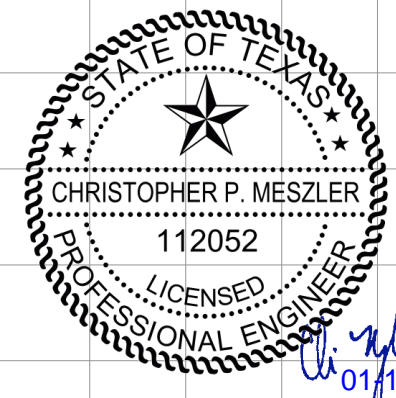
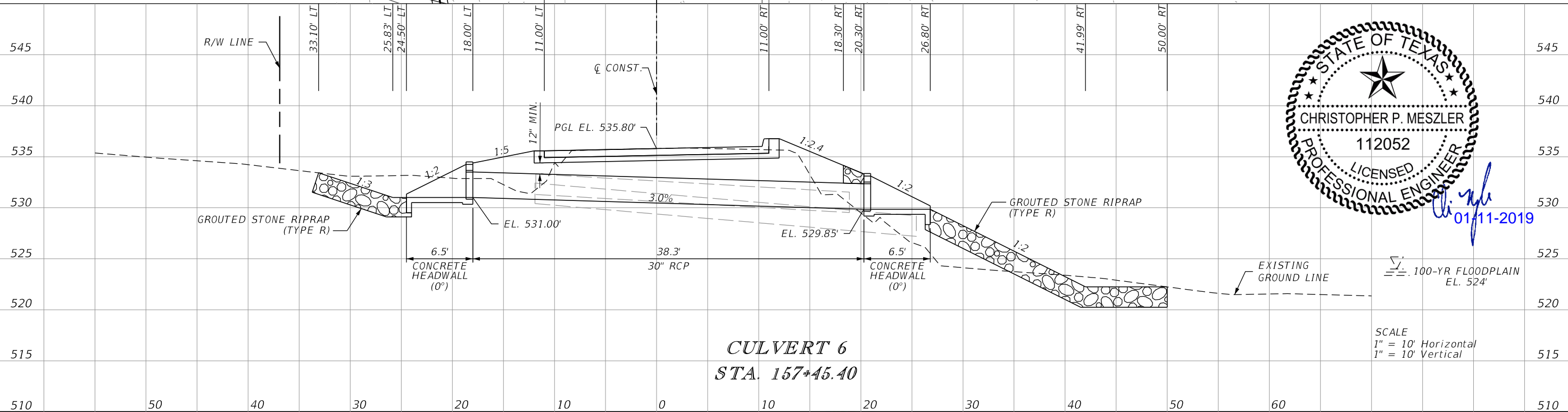
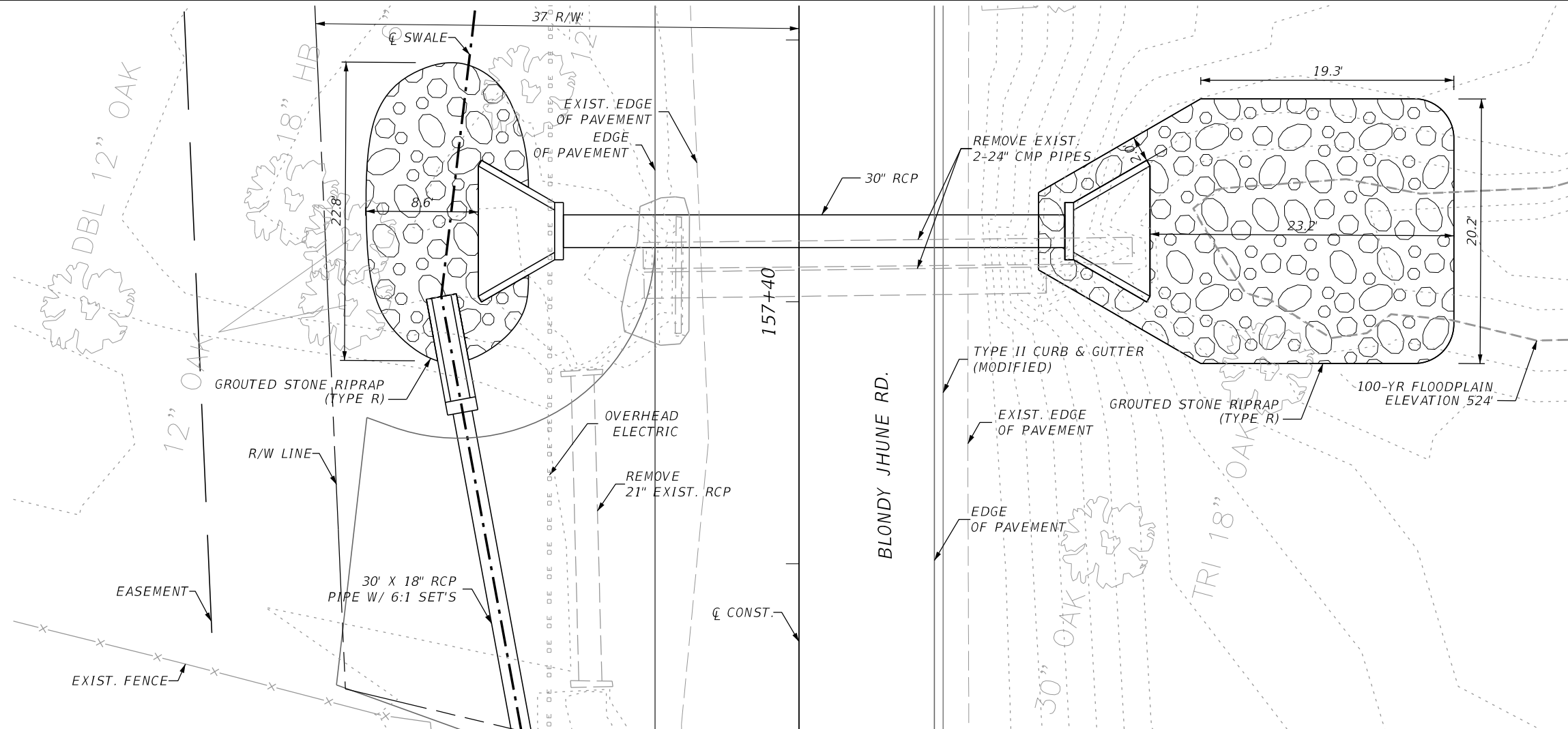
CULVERT LAYOUT

SHEET NO.
28

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-TESS



- NOTES:
- 1) CONTRACTOR SHALL USE GRANULAR OR SELECT FILL BEHIND CULVERT HEADWALLS (NO SEPARATE PAYMENT).
 - 2) CULVERT INSTALLATION PROCEDURE: PLACE BACKFILL EQUALLY ALONG BOTH SIDES OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.) COMPACT EACH LIFT MECHANICALLY. COMPACT MATERIALS PLACED UNDER THE HAUNCHES OF THE PIPE TO PREVENT DAMAGE OR DISPLACEMENT OF THE PIPE. CONTINUE TO PLACE BACKFILL IN THIS MANNER TO THE TOP-OF-PIPE ELEVATION. PLACE AND COMPACT BACKFILL ABOVE THE TOP OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.).
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 - 6) FOR HEADWALL DETAILS, SEE TXDOT STANDARD CH-FW.
 - 7) SEE GRADING PLAN FOR REQUIRED EARTHWORK.



PLOTTED BY: hremeteria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:35:49 PM
 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\5. Drainage\culvlay04.DGN

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243

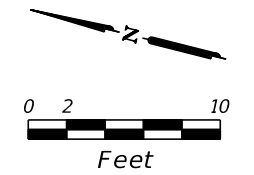


BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CULVERT LAYOUT

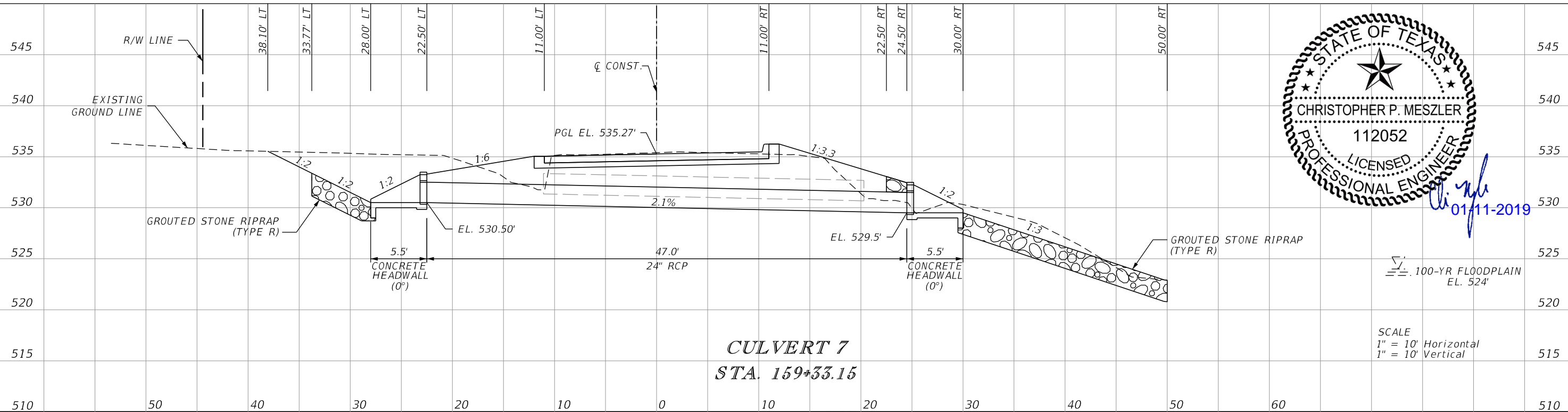
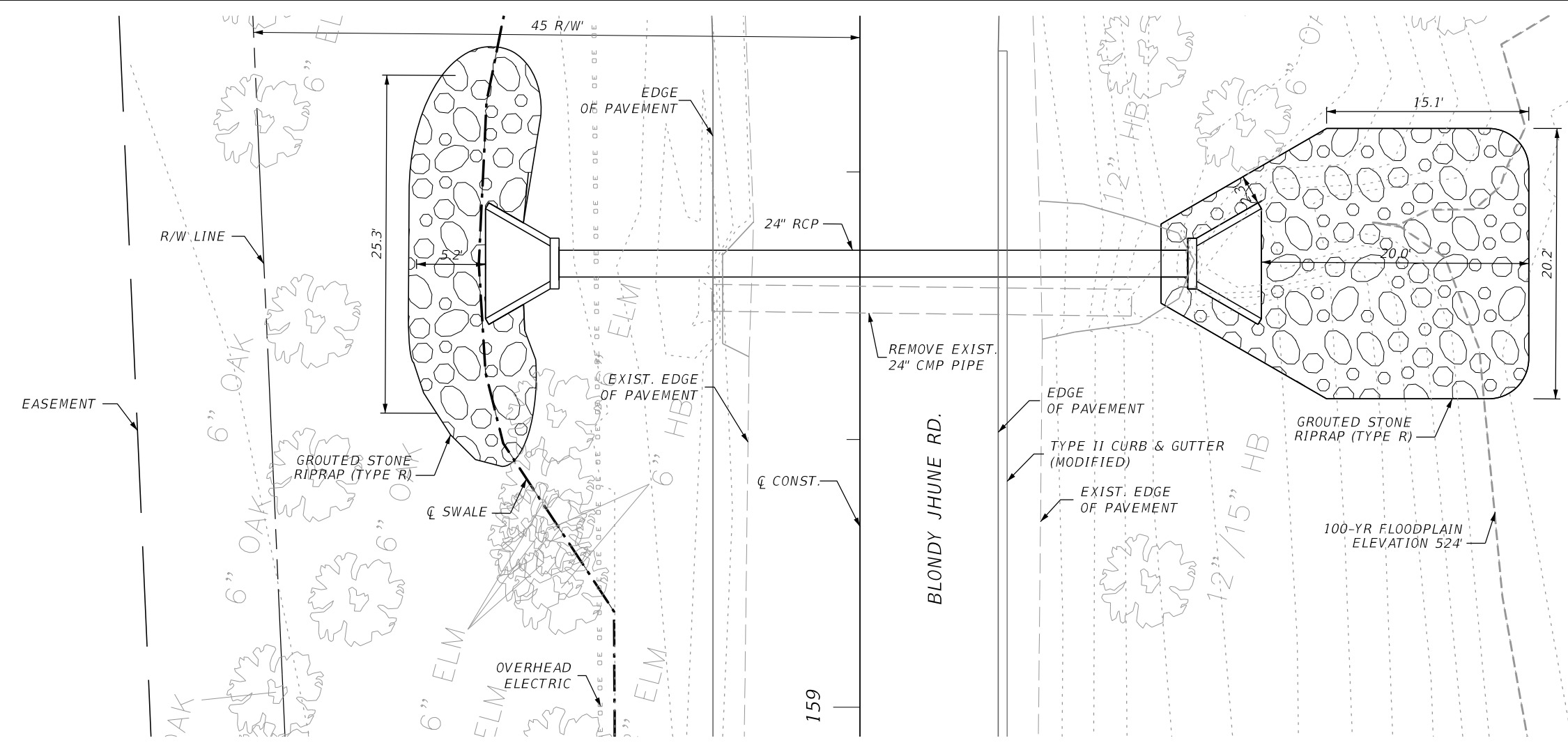
SHEET NO.
 29

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-TESS



NOTES:

- 1) CONTRACTOR SHALL USE GRANULAR OR SELECT FILL BEHIND CULVERT HEADWALLS (NO SEPARATE PAYMENT).
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- 6) FOR HEADWALL DETAILS, SEE TXDOT STANDARD CH-FW.
- 7) SEE GRADING PLAN FOR REQUIRED EARTHWORK.



100-YR FLOODPLAIN
EL. 524'

SCALE
1" = 10' Horizontal
1" = 10' Vertical

CULVERT 7
STA. 159+33.15

PLOTTED BY: hremeteria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:35:49 PM
 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\5. Drainage\culvlay05.DGN

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CULVERT LAYOUT

SHEET NO.
30

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1155

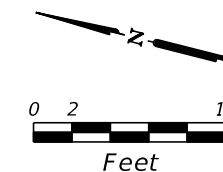
NOTES:

1) CONTRACTOR SHALL USE GRANULAR OR SELECT FILL BEHIND CULVERT HEADWALLS (NO SEPARATE PAYMENT).

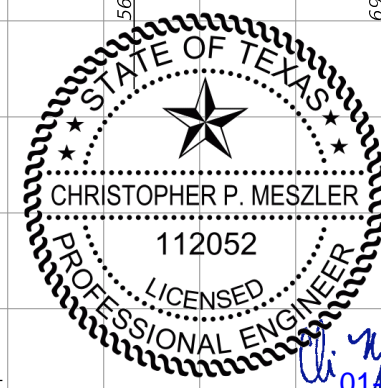
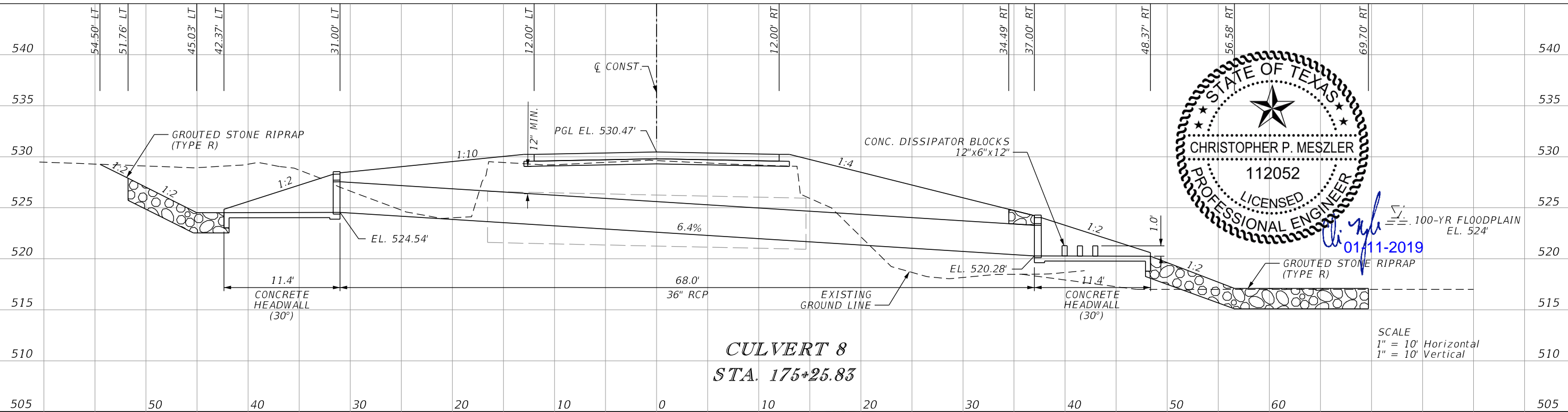
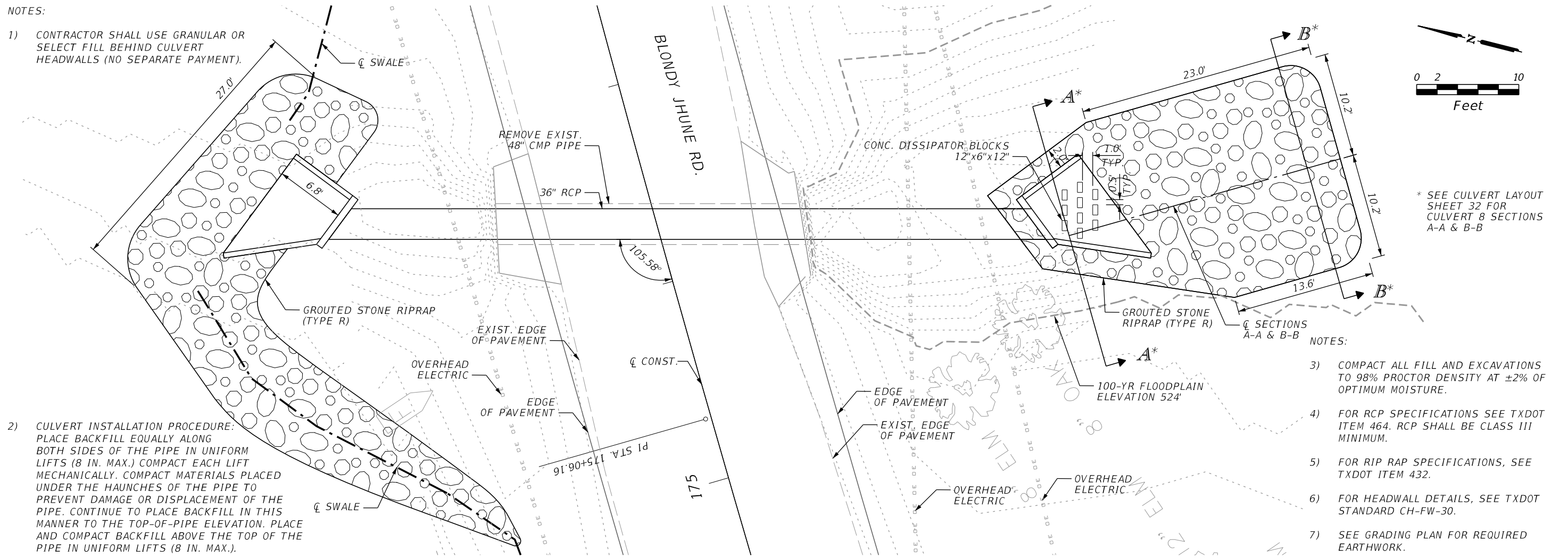
2) CULVERT INSTALLATION PROCEDURE:
 PLACE BACKFILL EQUALLY ALONG BOTH SIDES OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.) COMPACT EACH LIFT MECHANICALLY. COMPACT MATERIALS PLACED UNDER THE HAUNCHES OF THE PIPE TO PREVENT DAMAGE OR DISPLACEMENT OF THE PIPE. CONTINUE TO PLACE BACKFILL IN THIS MANNER TO THE TOP-OF-PIPE ELEVATION. PLACE AND COMPACT BACKFILL ABOVE THE TOP OF THE PIPE IN UNIFORM LIFTS (8 IN. MAX.).

NOTES:

- 3) COMPACT ALL FILL AND EXCAVATIONS TO 98% PROCTOR DENSITY AT ±2% OF OPTIMUM MOISTURE.
- 4) FOR RCP SPECIFICATIONS SEE TXDOT ITEM 464. RCP SHALL BE CLASS III MINIMUM.
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- 6) FOR HEADWALL DETAILS, SEE TXDOT STANDARD CH-FW-30.
- 7) SEE GRADING PLAN FOR REQUIRED EARTHWORK.



* SEE CULVERT LAYOUT SHEET 32 FOR CULVERT 8 SECTIONS A-A & B-B



100-YR FLOODPLAIN EL. 524'

SCALE
 1" = 10' Horizontal
 1" = 10' Vertical

CULVERT 8
STA. 175+25.83

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

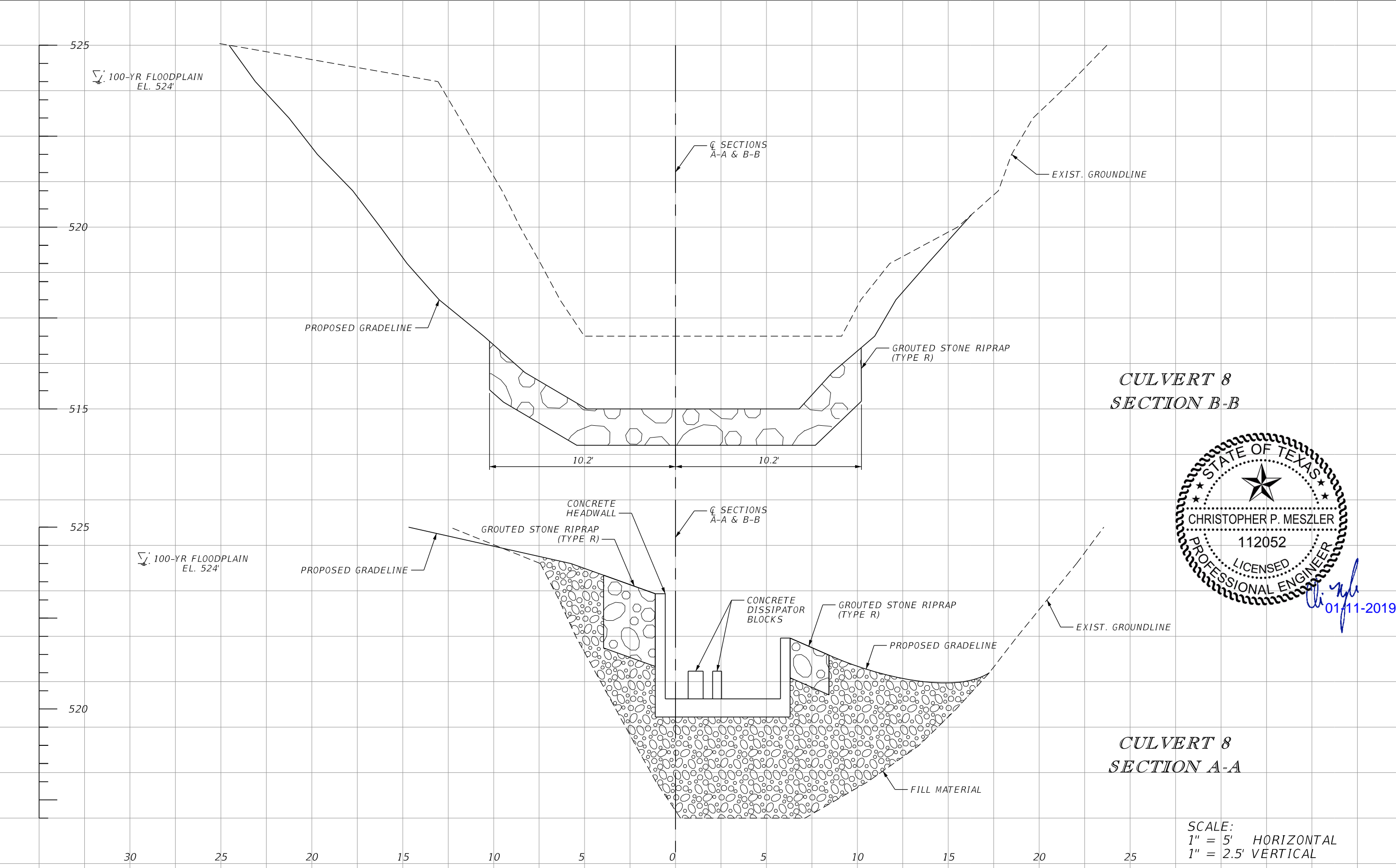
CULVERT LAYOUT

SHEET NO.
 31

PLOTTED BY: hremeteria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:35:50 PM
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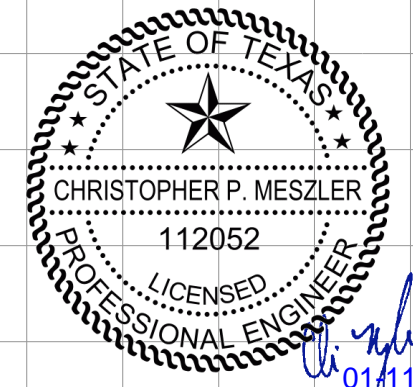
CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-TESS

PLOTTED BY: hrementeria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:35:50 PM
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**CULVERT 8
SECTION B-B**

**CULVERT 8
SECTION A-A**



SCALE:
 1" = 5' HORIZONTAL
 1" = 2.5' VERTICAL

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243

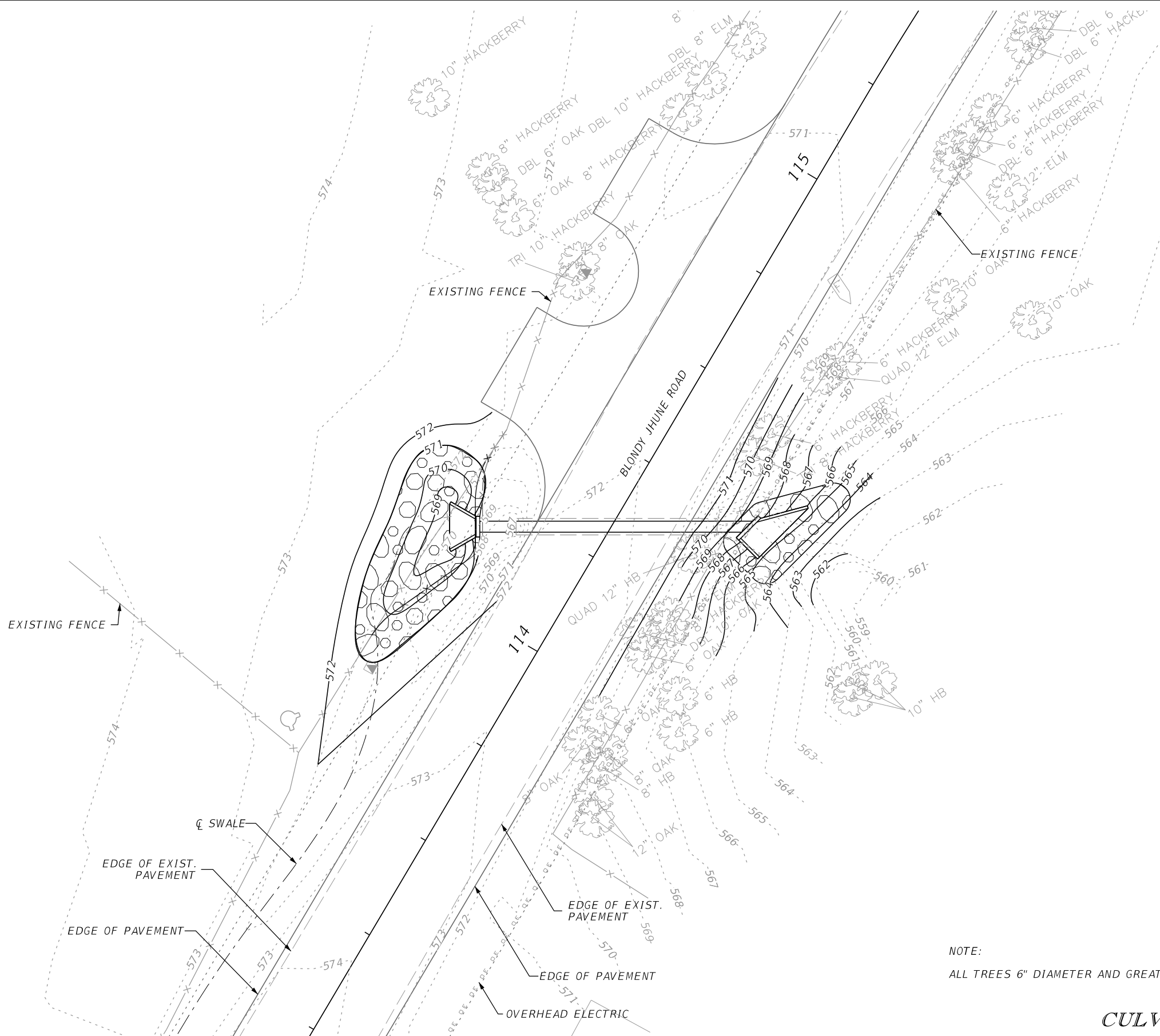
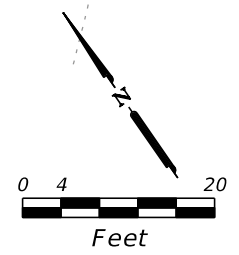


BLONDY JHUNE RD. RECONST.
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 LUCAS, TX. 75002

CULVERT LAYOUT

SHEET NO.
 32

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-TESS



NOTE:
ALL TREES 6" DIAMETER AND GREATER SHALL REMAIN AND BE PROTECTED.

CULVERT #1

GRADING PLAN

PLOTTED BY: hrementeria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:36:04 PM
 LOCATION: M:\Projects\17-113 Blondy Jhune Rd Widening\1800457\4 - Design\Plan Set\5. Drainage\grdt\00.dgn

DATE	REVISIONS DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



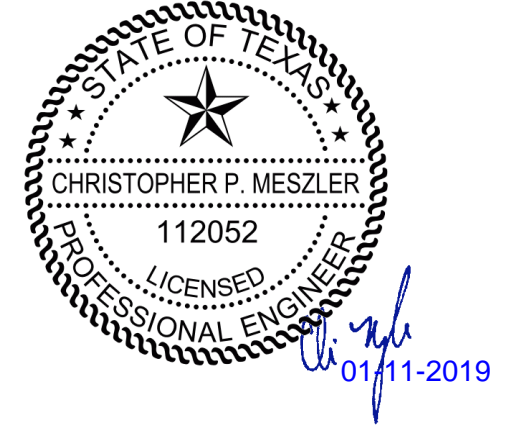
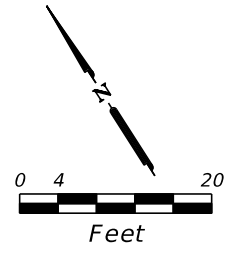
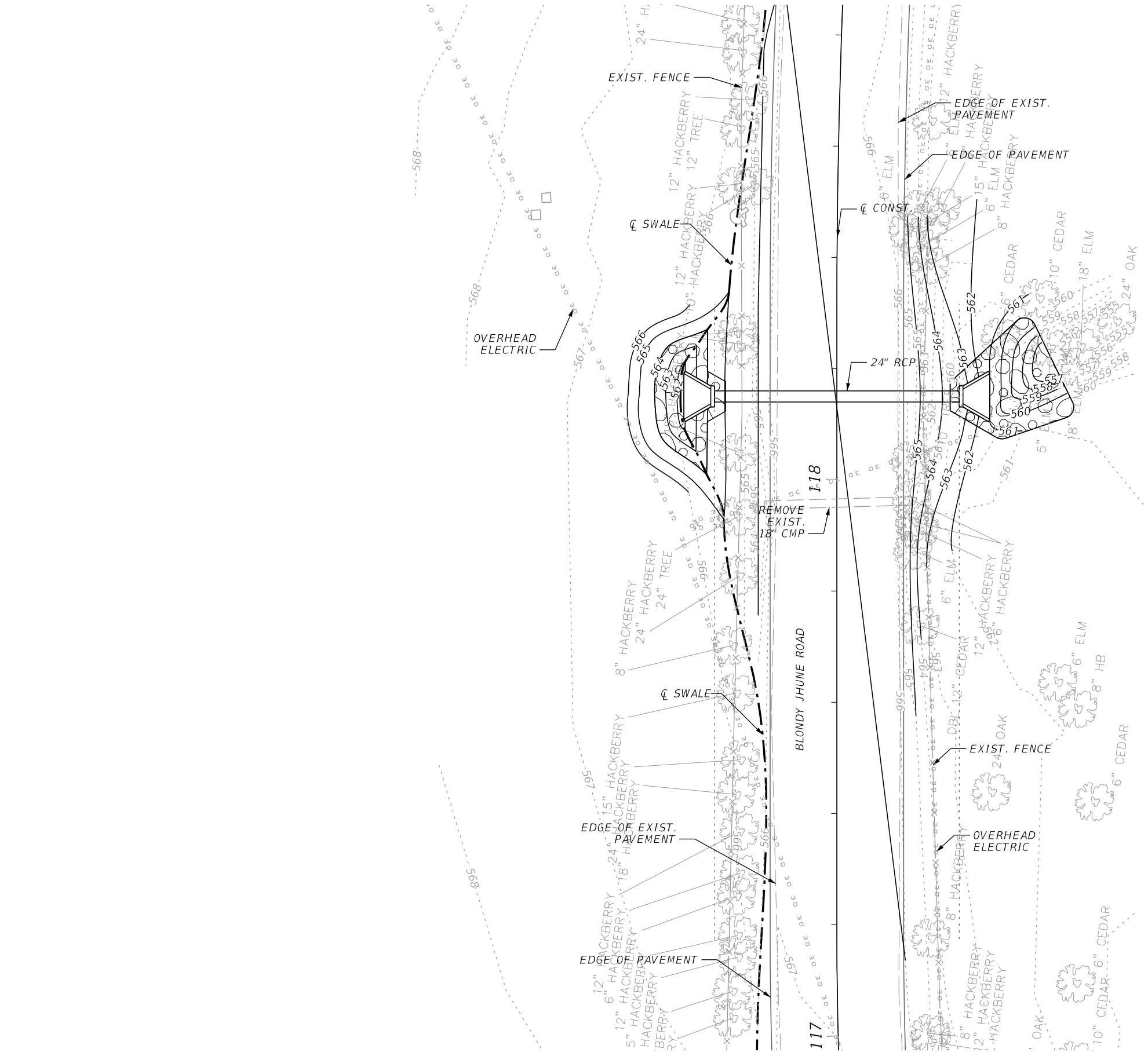
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

SHEET NO.
33

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-TESS

PLOTTED BY: hrementeria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:36:05 PM
 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\5. Drainage\grd\idBB.dgn

17-113 Blondy Jhune\1800457\4 - Design\Plan Set\5. Drainage\grd\idBB.dgn



NOTE:
 ALL TREES 6" DIAMETER AND GREATER SHALL REMAIN AND BE PROTECTED.

CULVERT #2

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

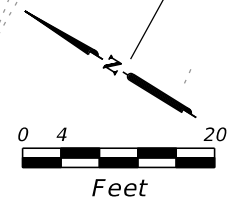
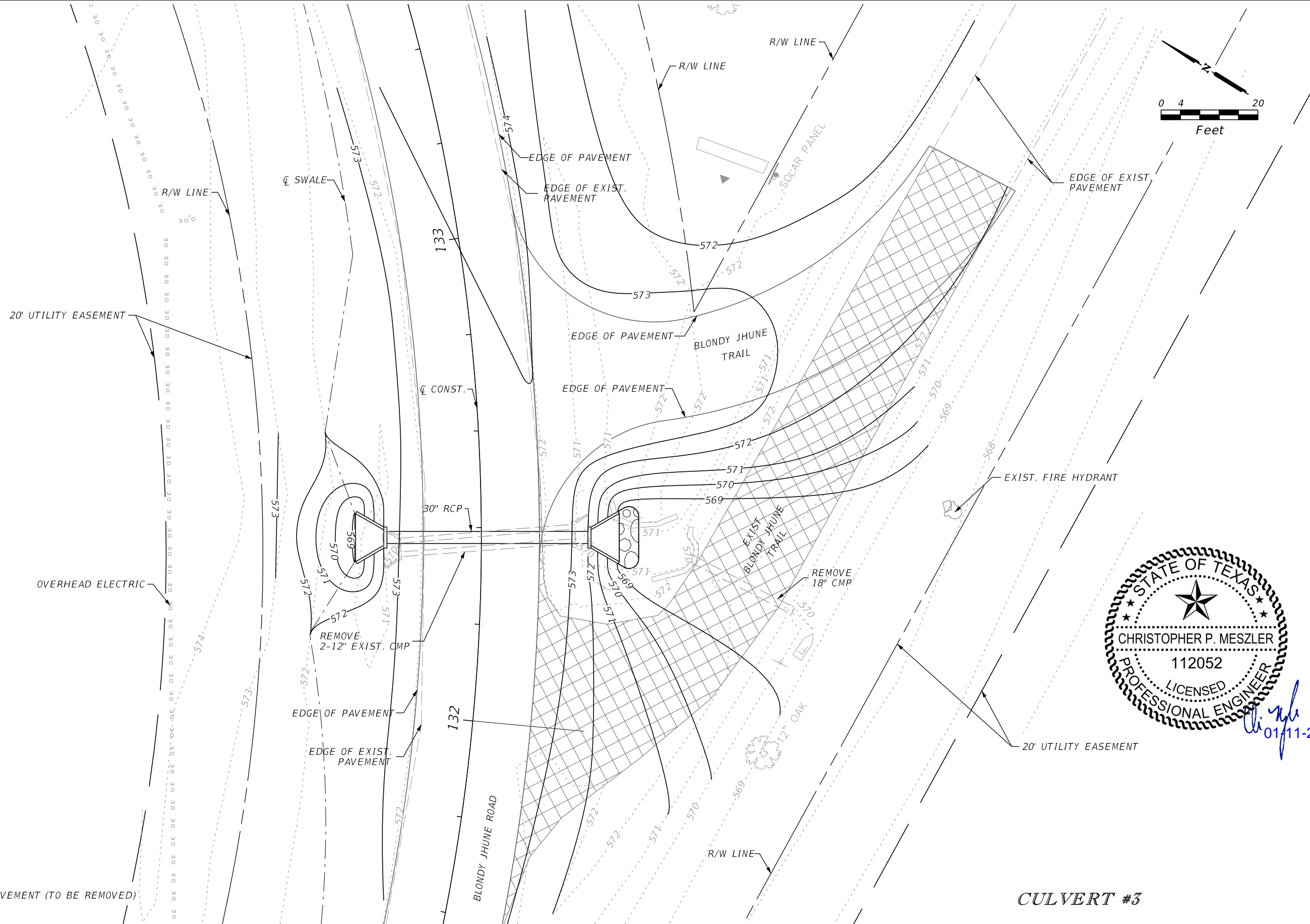
GRADING PLAN

SHEET NO.	34
-----------	----

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL



PLOTTED BY: hrementeria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:36:05 PM
 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\5. Drainage\grdtid01.dgn



 ASPHALT PAVEMENT (TO BE REMOVED)



CULVERT #3

DATE	REVISIONS DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



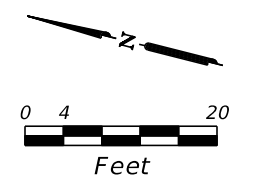
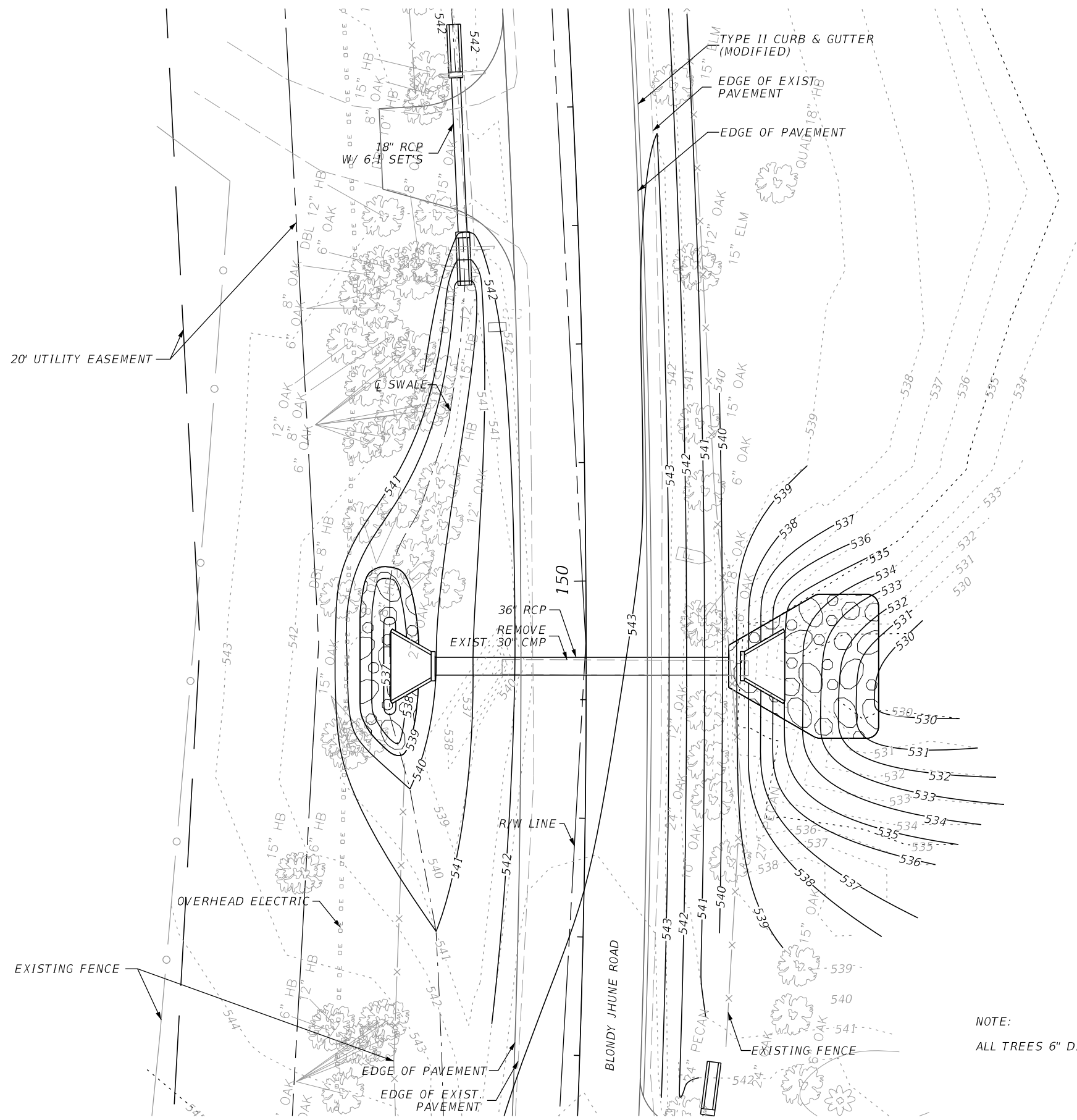
BLONDY JHUNE RD. RECONSTR.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

GRADING PLAN

SHEET NO.	35
-----------	----

CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP-CALL

PLOTTED BY: hrementeria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:36:06 PM
 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\5. Drainage\grdtd03.dgn



NOTE:
 ALL TREES 6" DIAMETER AND GREATER SHALL REMAIN AND BE PROTECTED.

CULVERT #5

DATE	REVISIONS DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243

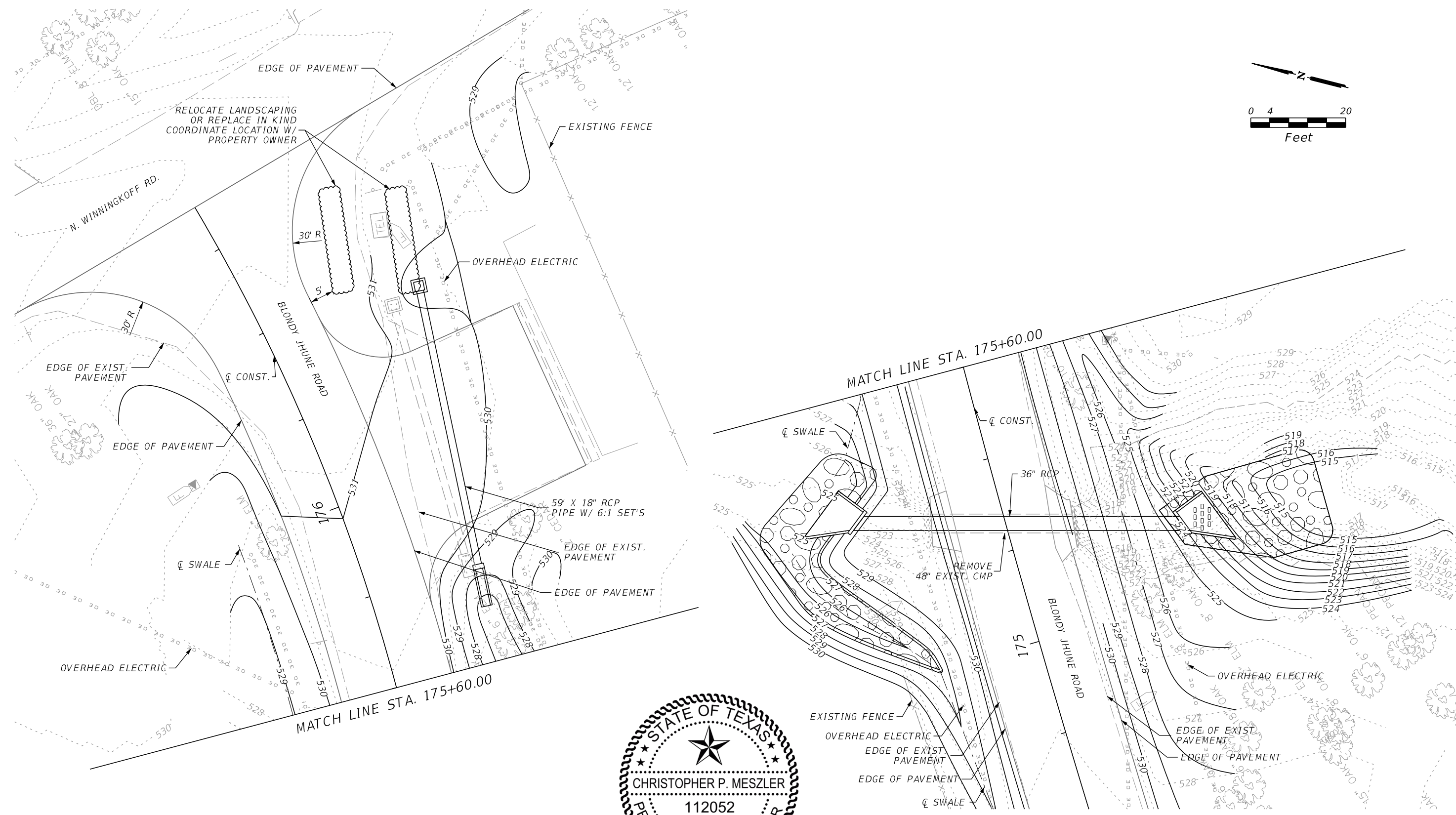
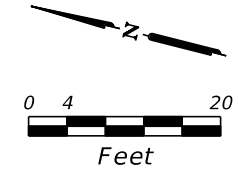


BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

GRADING PLAN

SHEET NO.	36
-----------	----

CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP-CALL



Christopher P. Meszler
01/11-2019

NOTE:
ALL TREES 6" DIAMETER AND GREATER SHALL REMAIN AND BE PROTECTED.

CULVERT #8

PLOTTED BY: hrementeria
PLOT DATE: 1/11/2019
LAST SAVED: 1:36:07 PM
LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\5. Drainage\grd\1d05.dgn

DATE	REVISIONS DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
LIC. No. 112052
1903 CENTRAL DRIVE, SUITE #405
BEDFORD, TX 76021
PHONE: 817.618.3640
TBPE REG. F-15243



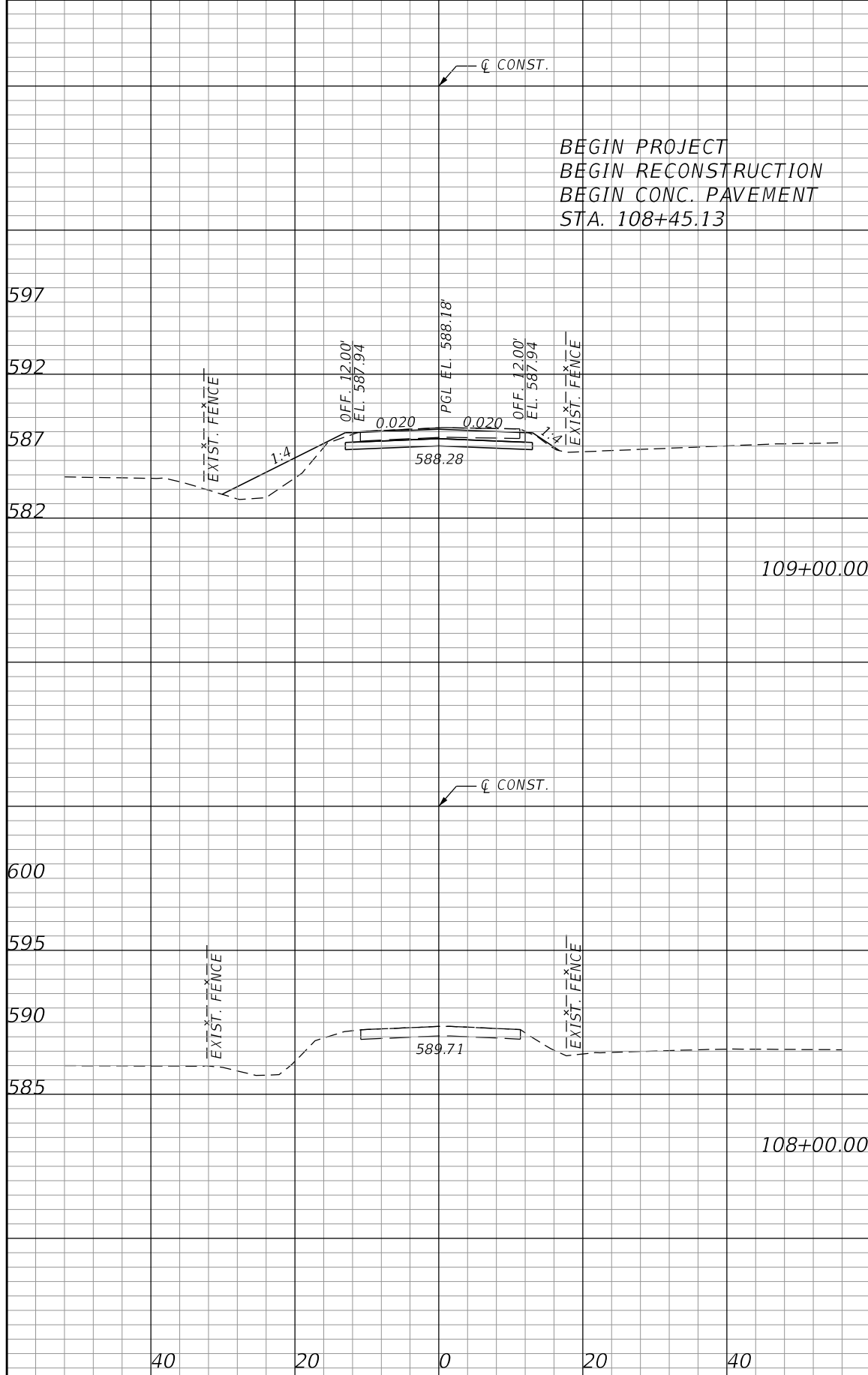
BLONDY JHUNE RD. RECONST.
CITY OF LUCAS
PUBLIC WORKS DEPARTMENT
665 COUNTRY CLUB ROAD
LUCAS, TX. 75002

GRADING PLAN

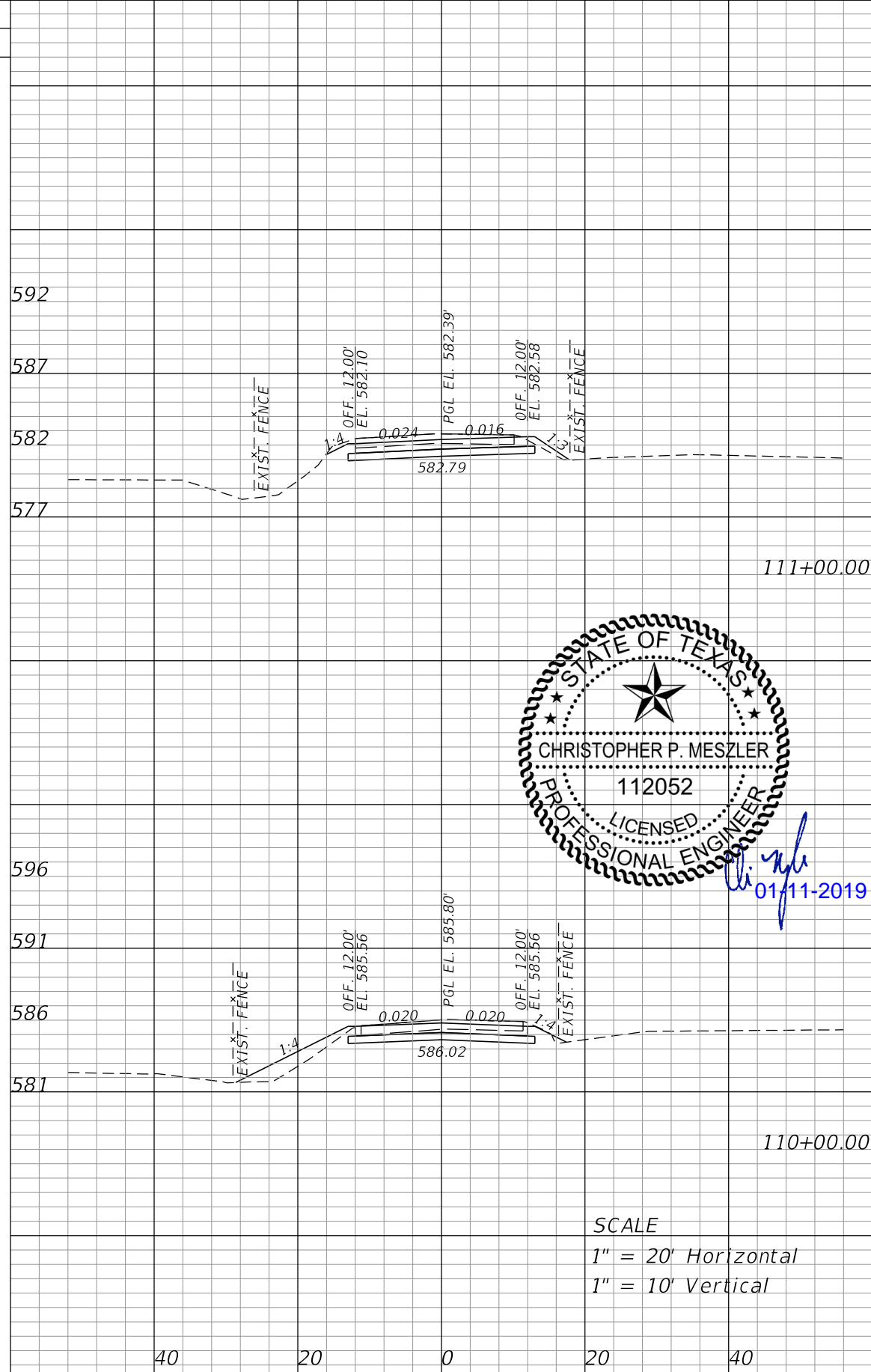
SHEET NO.	38
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CALL BEFORE YOU DIG
TEXAS ONE CALL SYSTEM
48 HOURS NOTICE BEFORE YOU DIG, DRILL,
OR BLAST - STOP-CALL

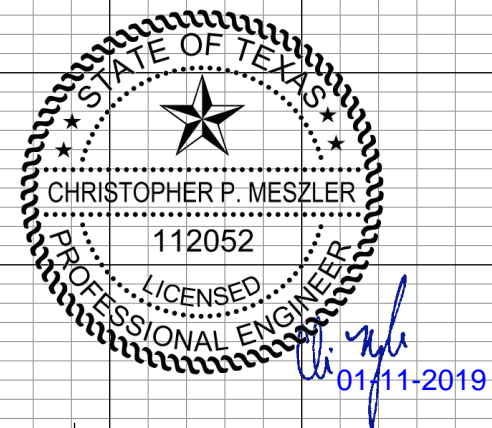
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 PLOT DATE: 1/11/2019
 LAST SAVED: 1:36:15 PM
 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\12. Cross Sections\RD\SXD01.DGN



Regular		Exc.		Embankment	
A	V	A	V	A	V
31.81	58.9	18.35	34.0		



Regular		Exc.		Embankment	
A	V	A	V	A	V
37.46	132.4	2.04	26.4		



SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



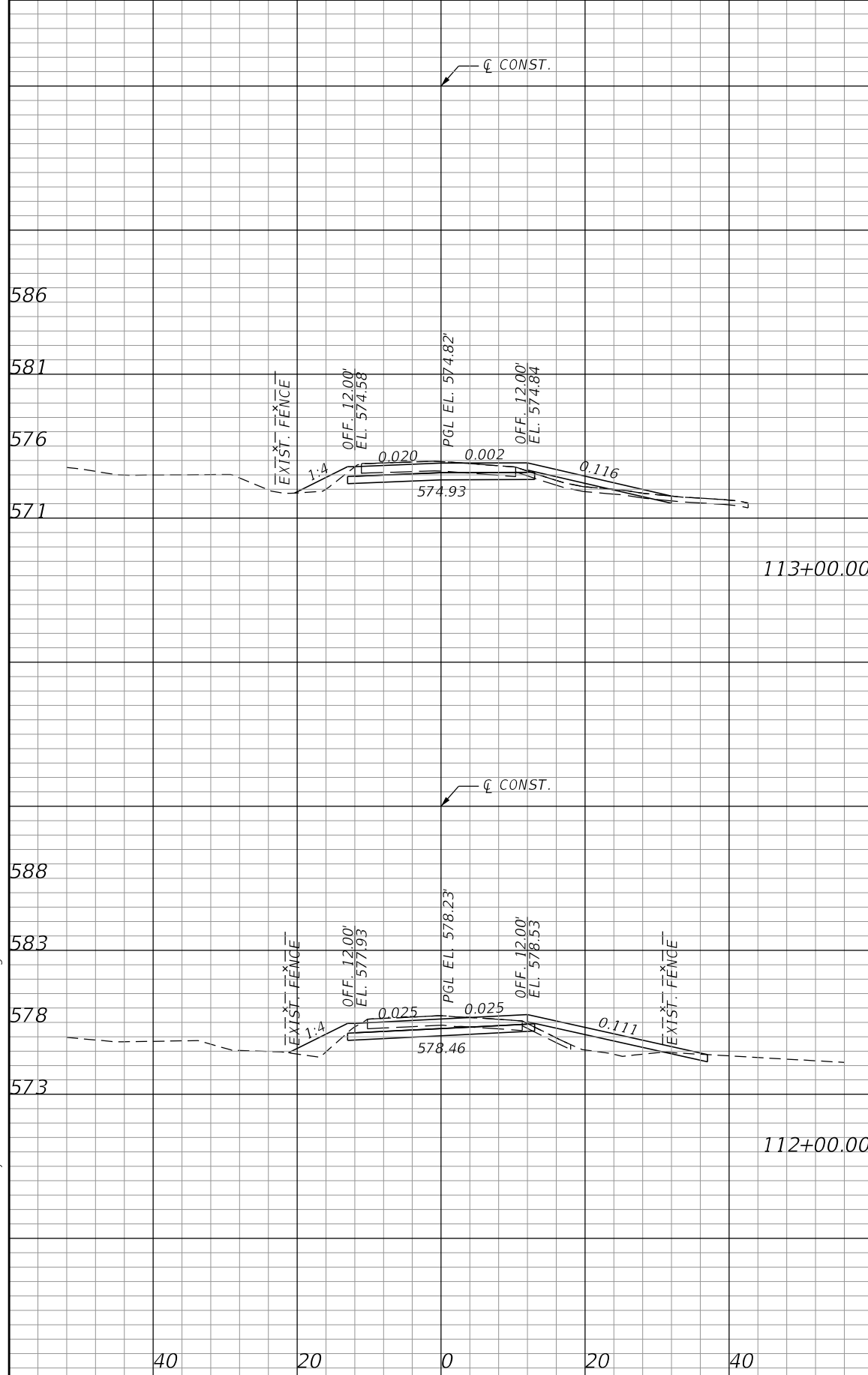
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CROSS SECTIONS

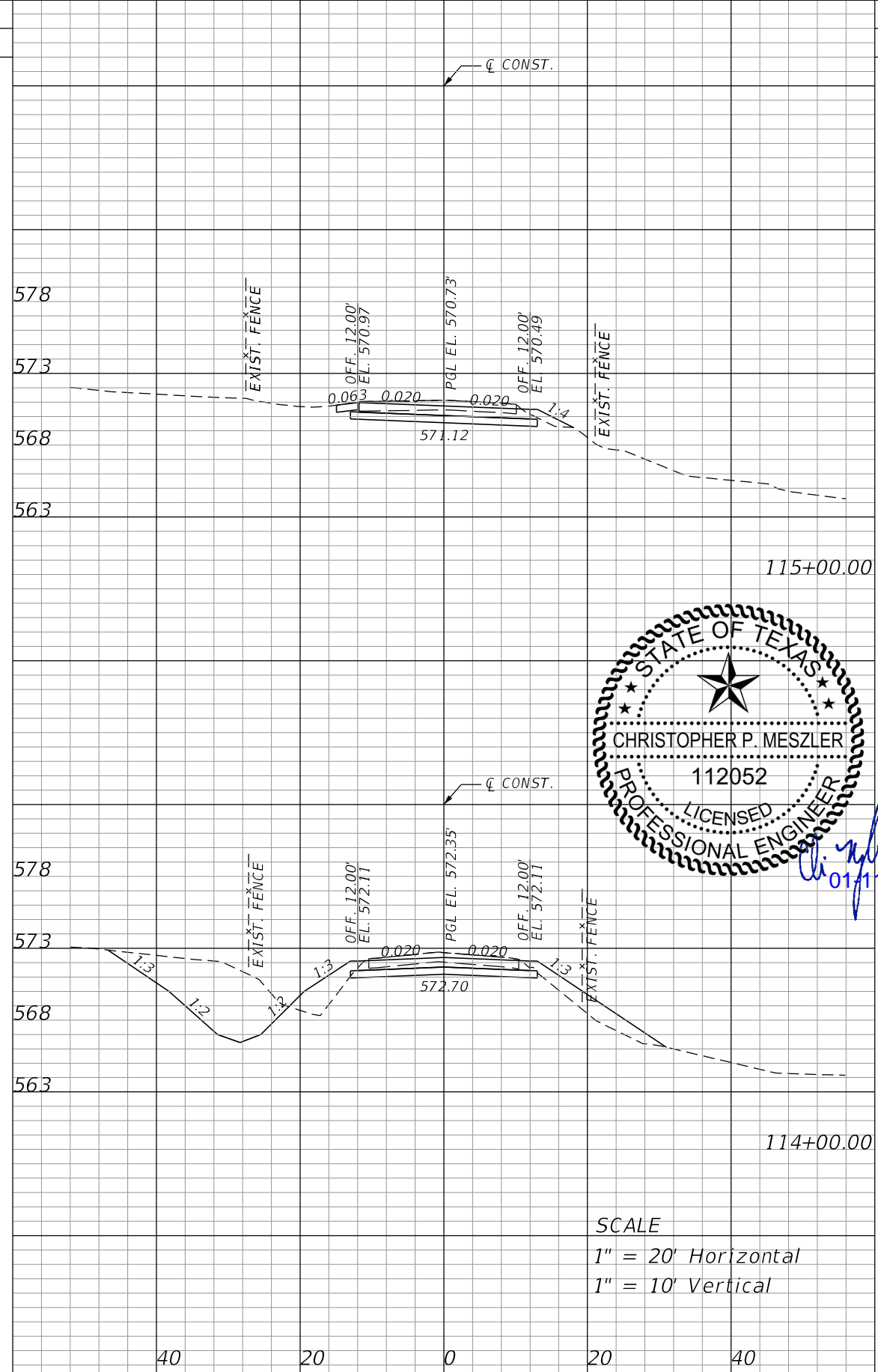
SHEET NO.
 39

CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 1-800-DIG-1-ESS

PLOTTED BY: hrementeria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:36:22 PM
 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\12. Cross Sections\RD\SXD01.DGN



Regular		Exc.		Embankment	
A	V	A	V	A	V
31.36	116.2	6.31	49.0		



Regular		Exc.		Embankment	
A	V	A	V	A	V
36.77	261.0	2.61	64.6		



SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



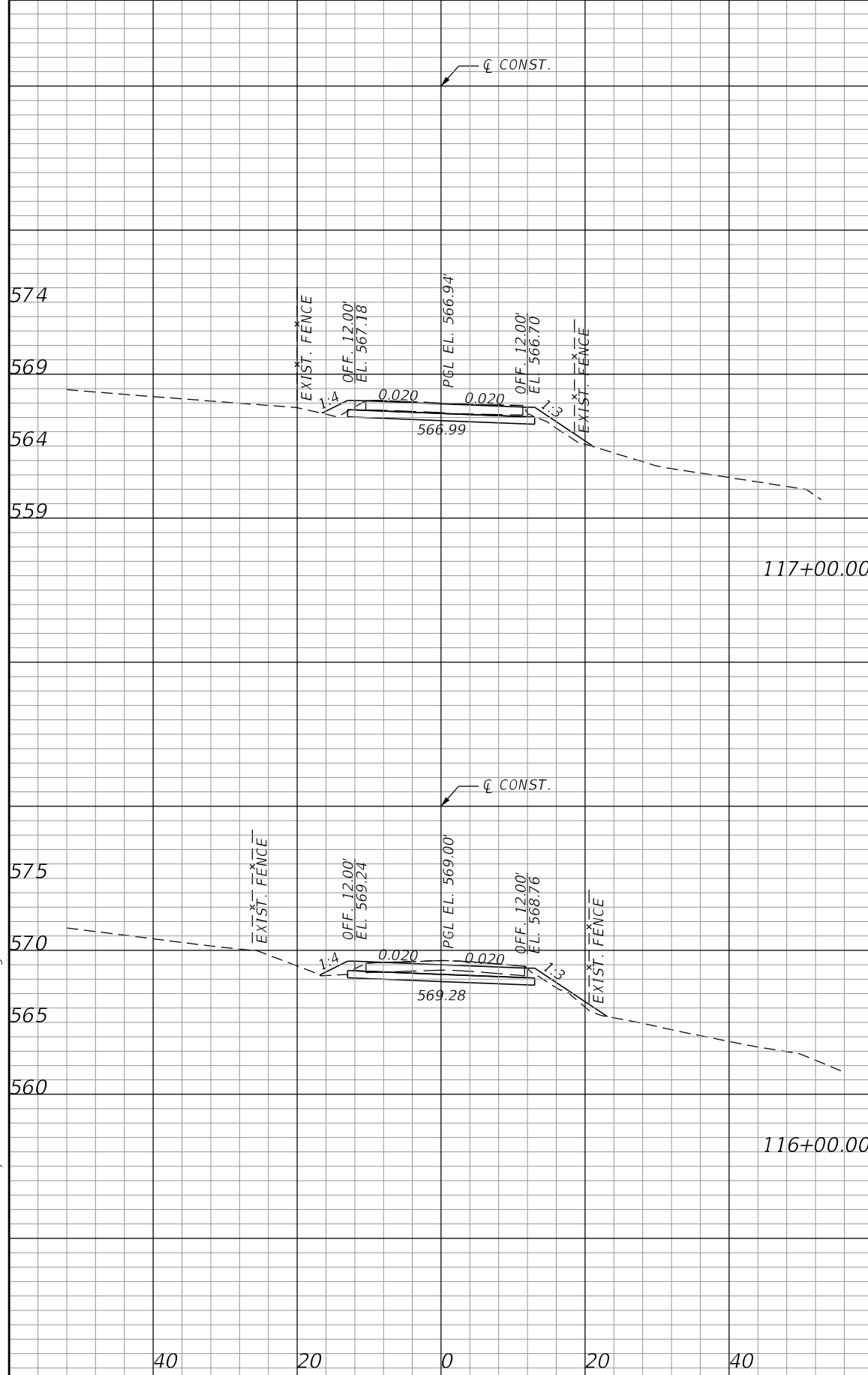
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CROSS SECTIONS

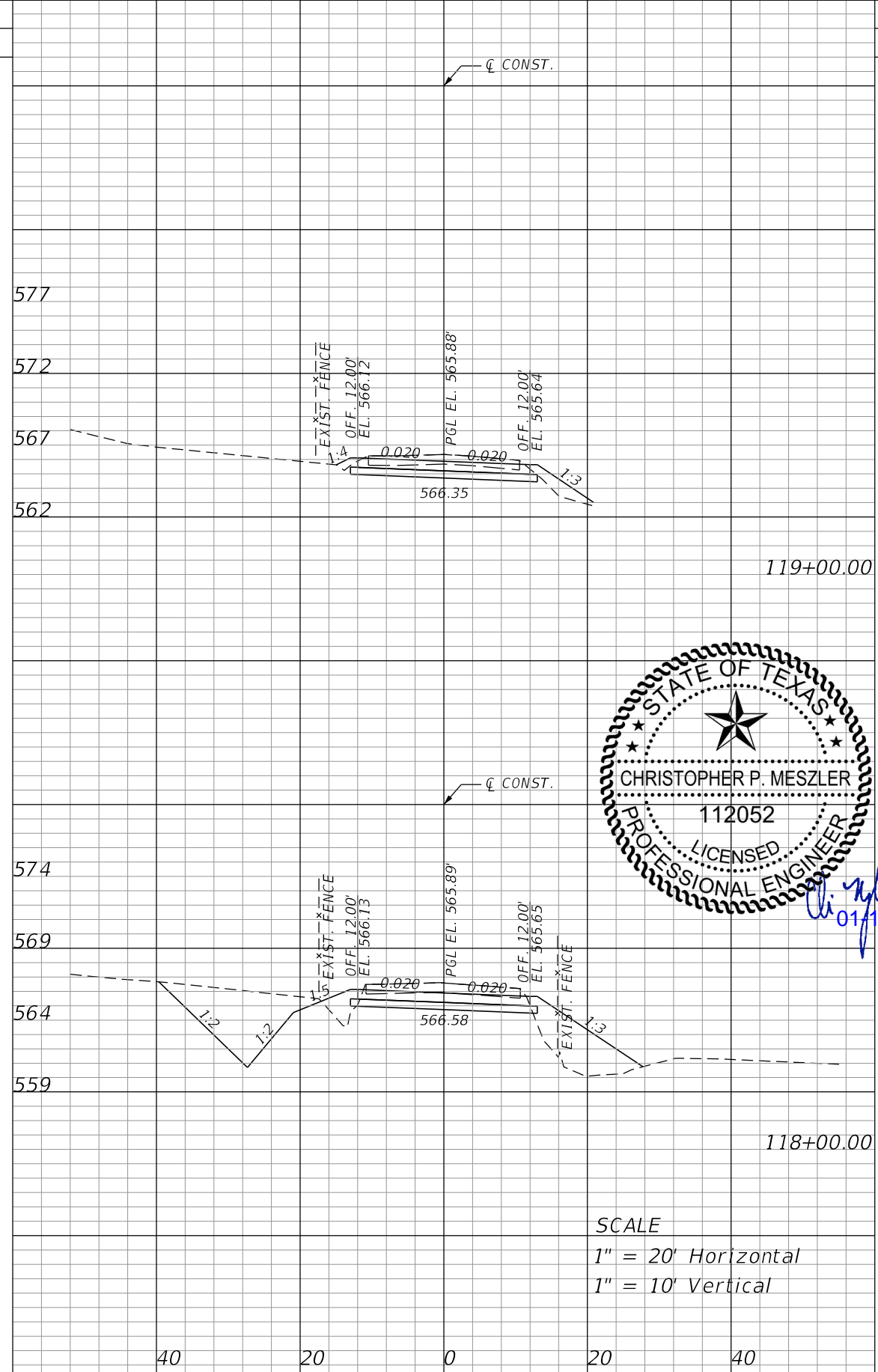
SHEET NO.
40

CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS

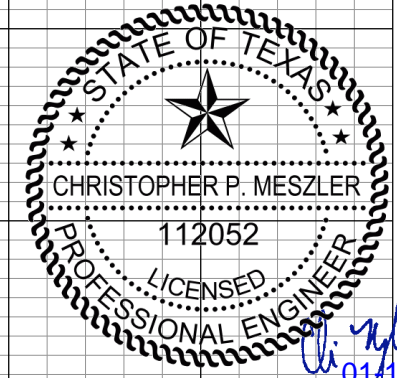
PLOTTED BY: hrementeria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:36:28 PM
 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\12. Cross Sections\RD\SXD01.DGN



Regular		Exc.		Embankment	
A	V	A	V	A	V
		29.69	114.4	6.48	22.8



Regular		Exc.		Embankment	
A	V	A	V	A	V
		36.18	244.8	8.03	94.4



Signature: *Christopher P. Meszler*
 01/11-2019

SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



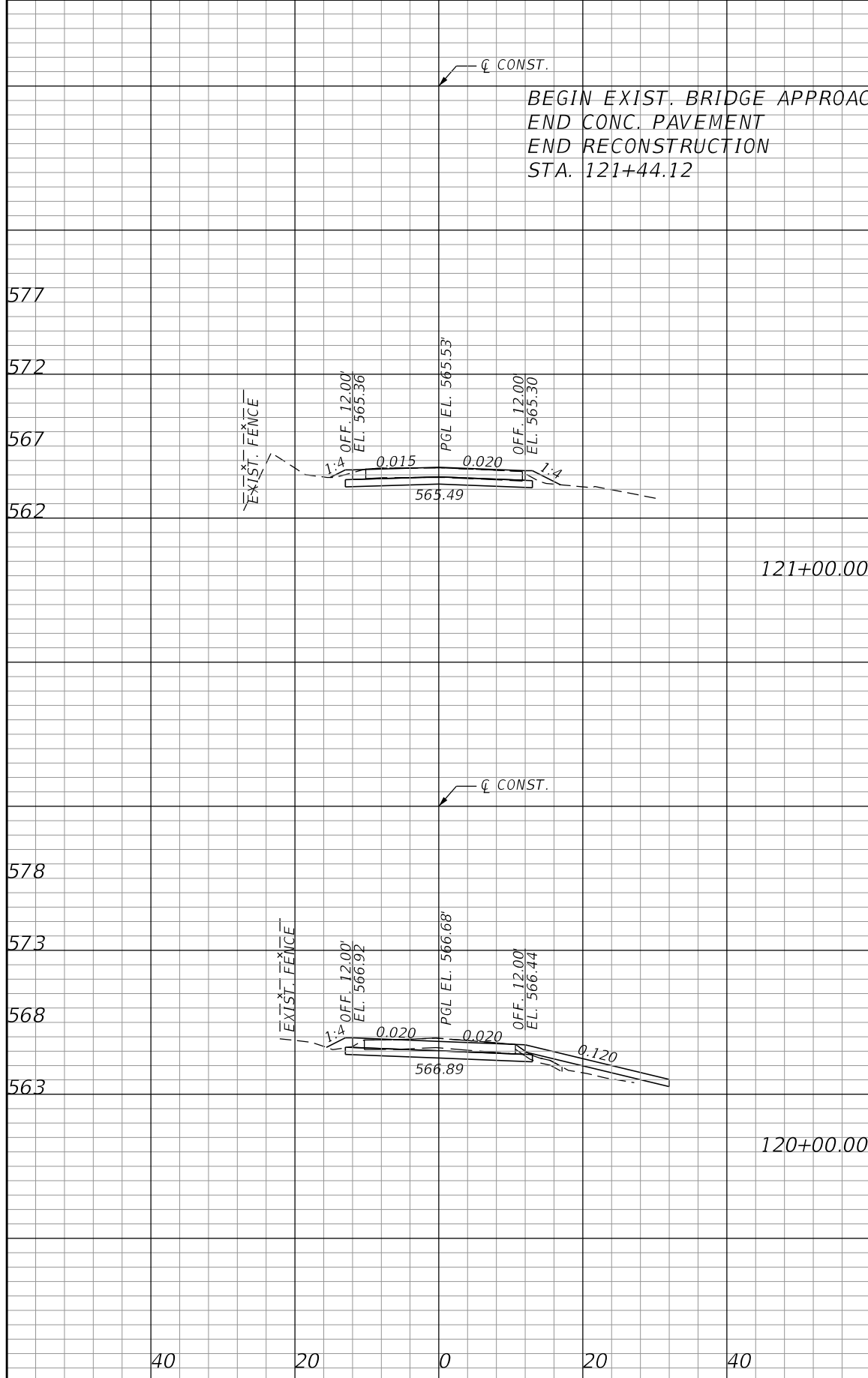
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CROSS SECTIONS

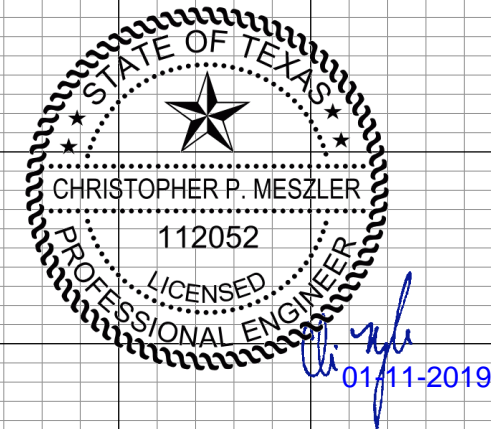
SHEET NO.
41

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS

PLOTTED BY: hrementeria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:36:34 PM
 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\12. Cross Sections\RD\SXD01.DGN



Regular		Exc.		Embankment	
A	V	A	V	A	V
28.37	107.2	2.35	19.2	0.0	0.0
29.53	121.7	8.00	29.7	0.0	52.5



SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



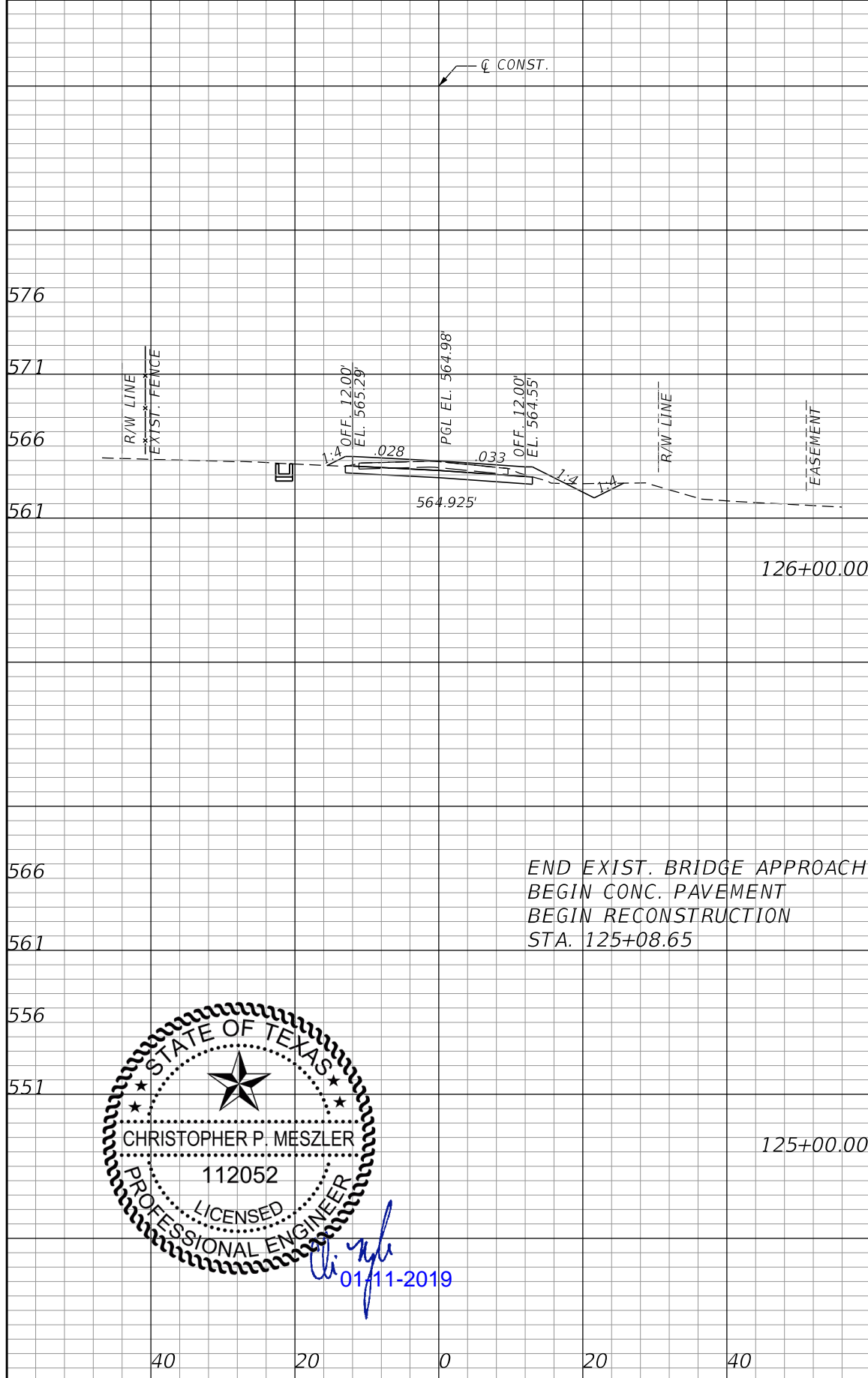
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CROSS SECTIONS

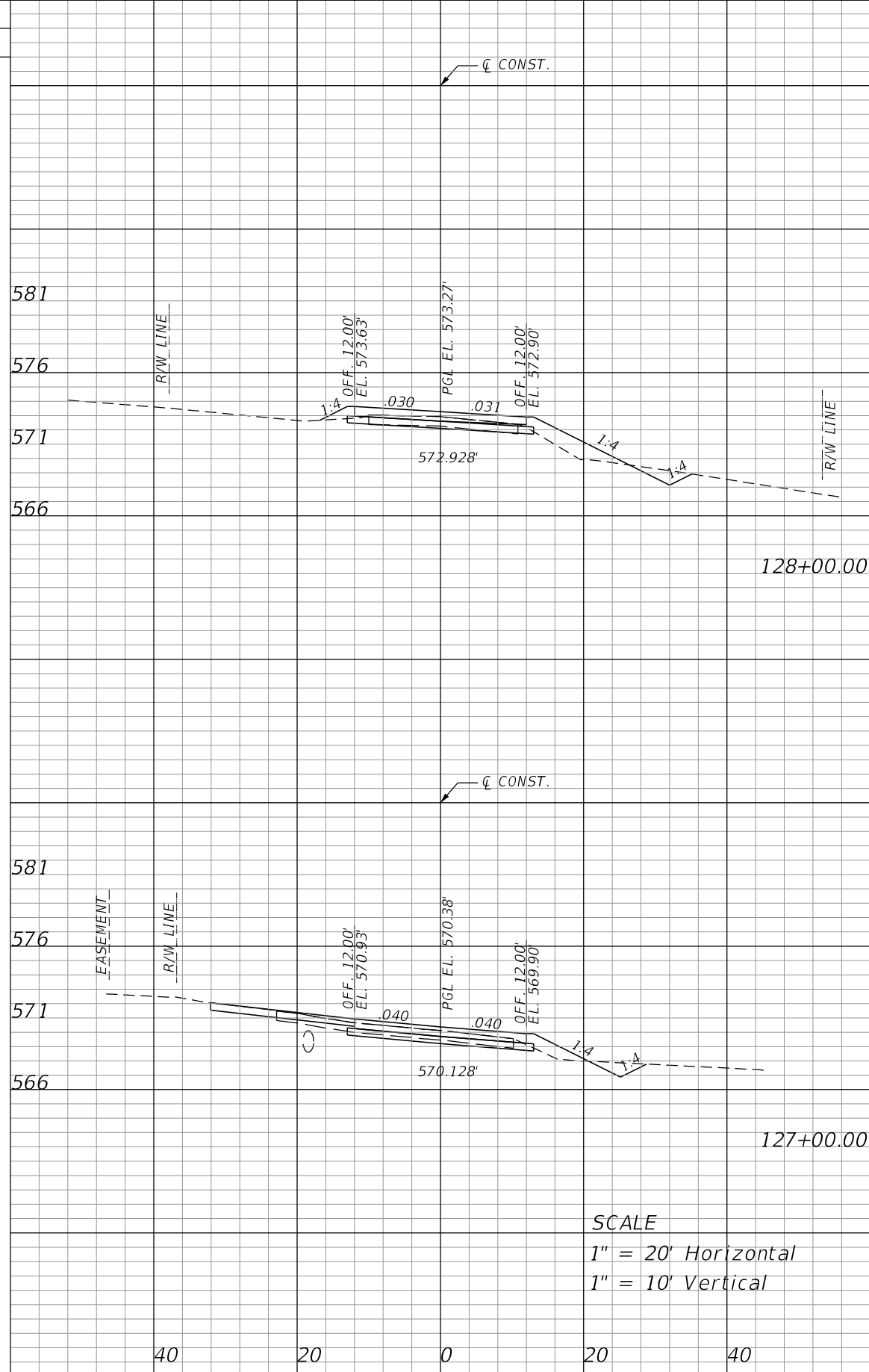
SHEET
 NO.
 42

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS

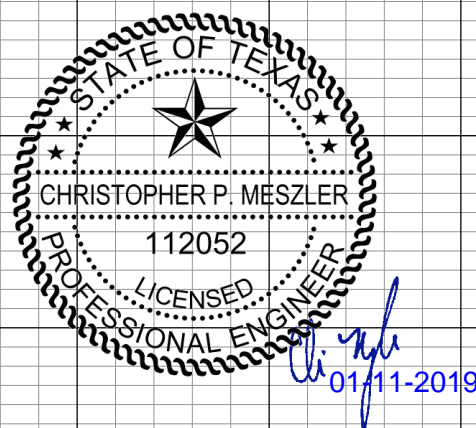
PLOTTED BY: hrementeria
 1/11/2019
 PLOT DATE: 1:36:40 PM
 LAST SAVED: 1:36:40 PM
 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\12. Cross Sections\RD\SRD01.DGN



Regular		Exc.		Embankment	
A	V	A	V	A	V
27.98	51.8	4.05	7.5		
0.0	0.0	0.0	0.0		



Regular		Exc.		Embankment	
A	V	A	V	A	V
21.59	102.5	15.05	39.0		
33.77	114.4	6.00	18.6		



SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



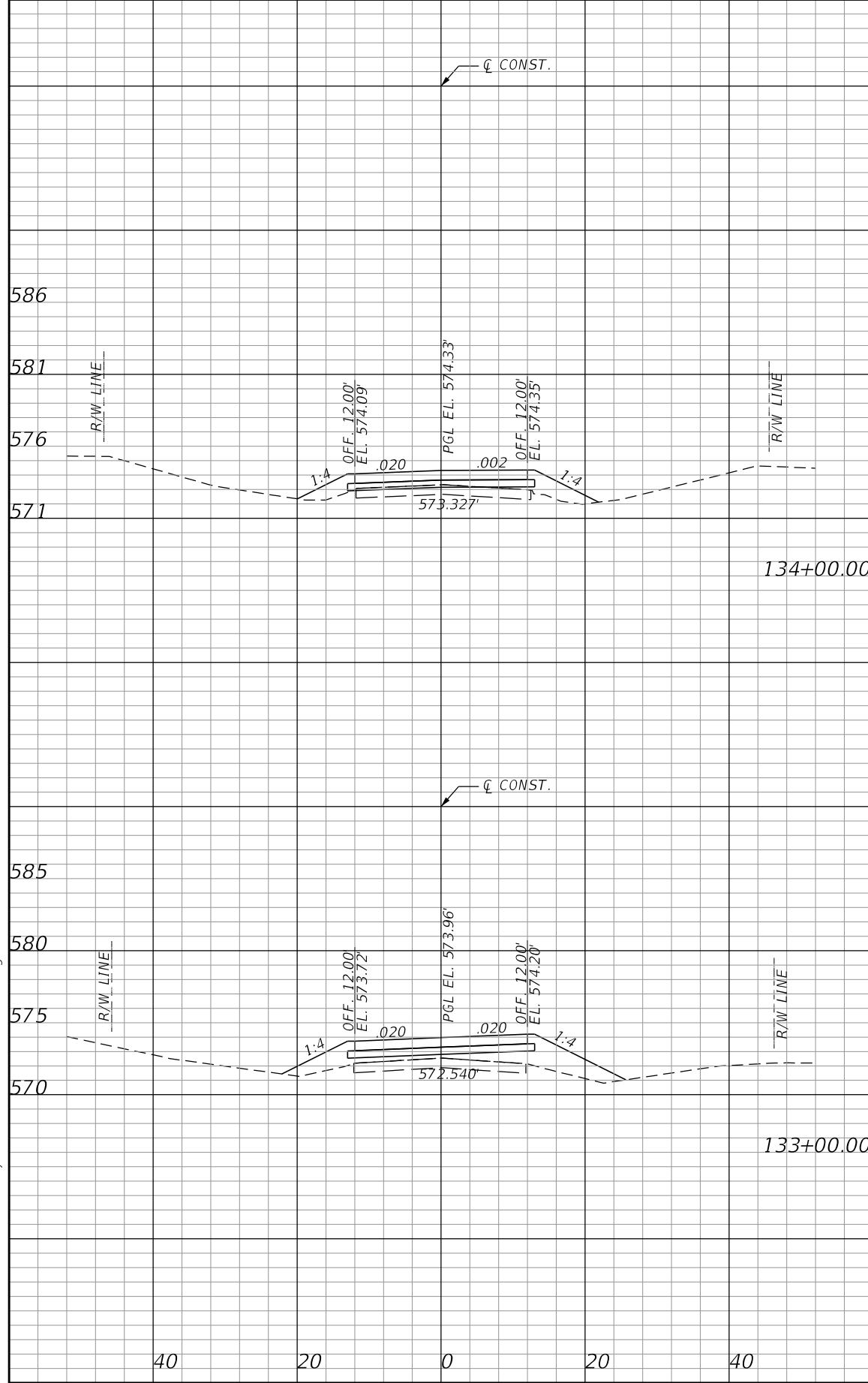
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CROSS SECTIONS

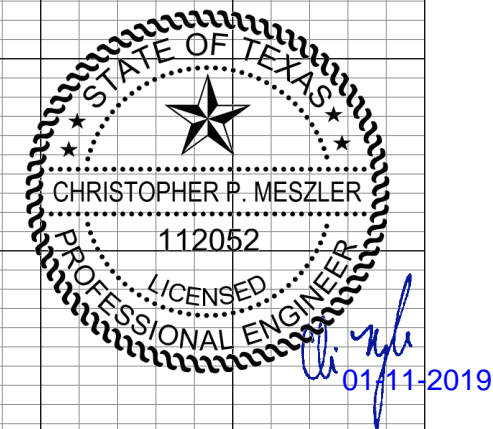
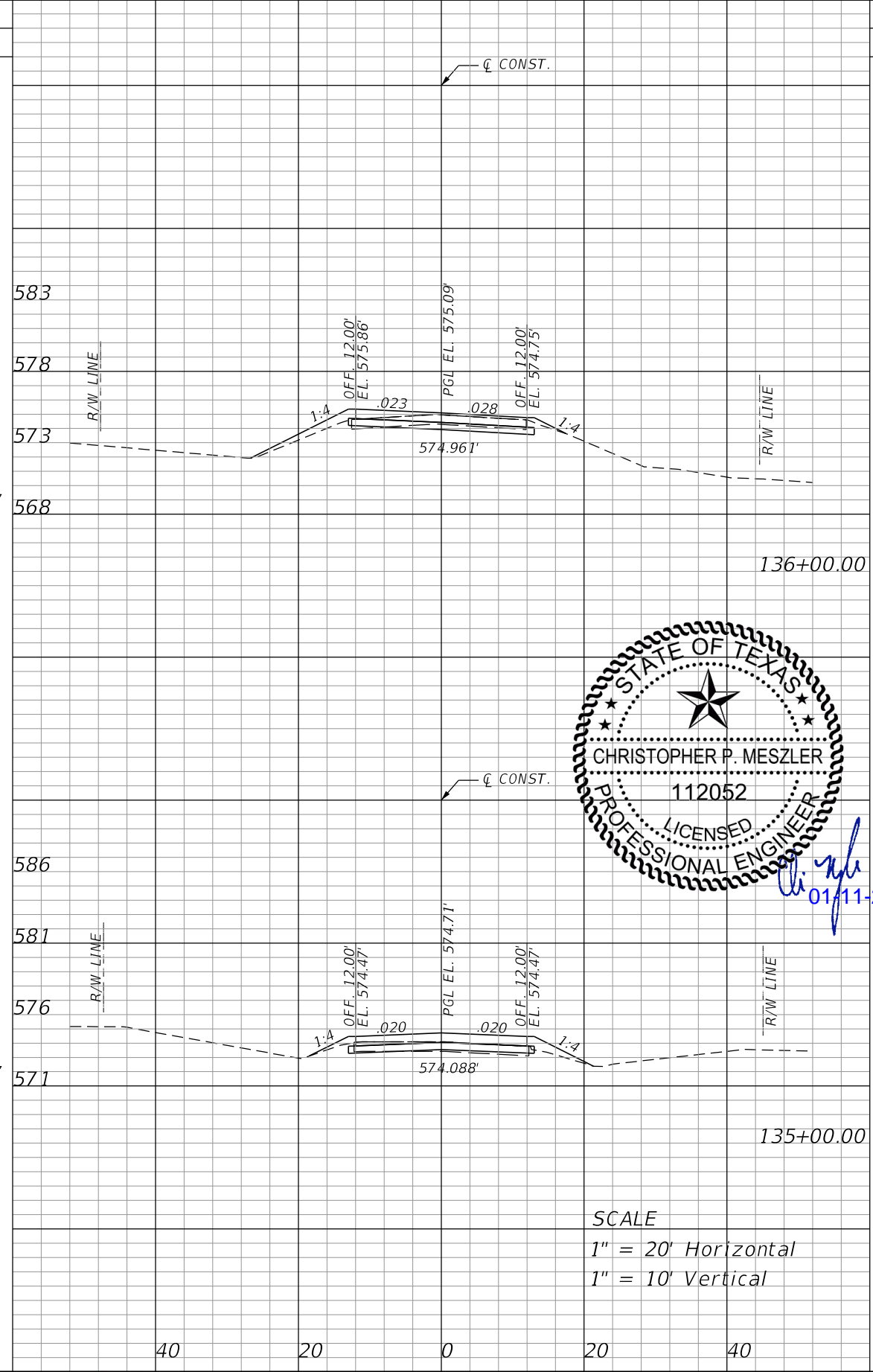
SHEET NO.
 43

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS

PLOTTED BY: hrcmenteria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:36:52 PM
 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\12. Cross Sections\RD\SXD01.DGN



Regular		Exc.		Embankment	
A	V	A	V	A	V
0.00	0.0	18.48	114.7		



SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



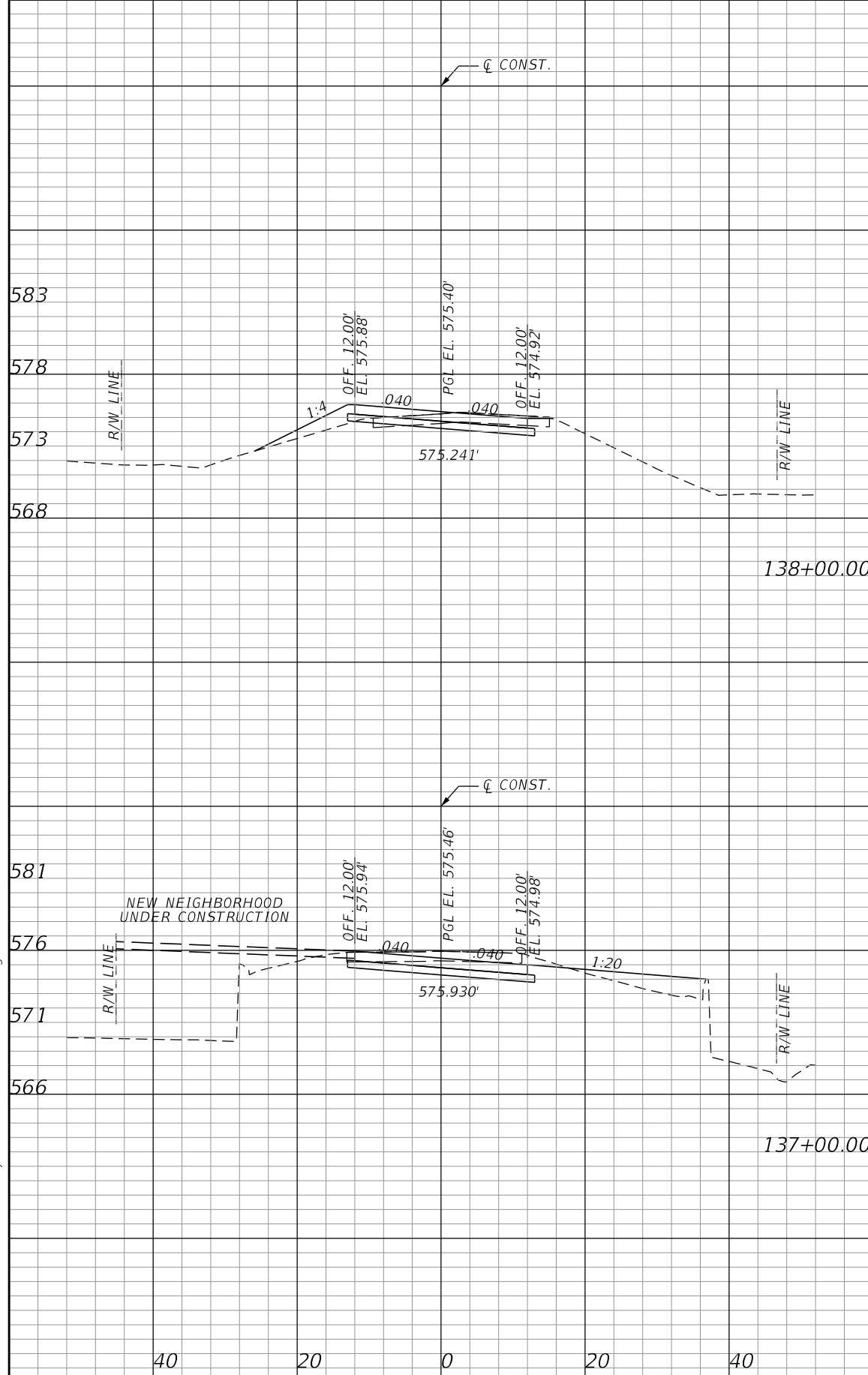
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CROSS SECTIONS

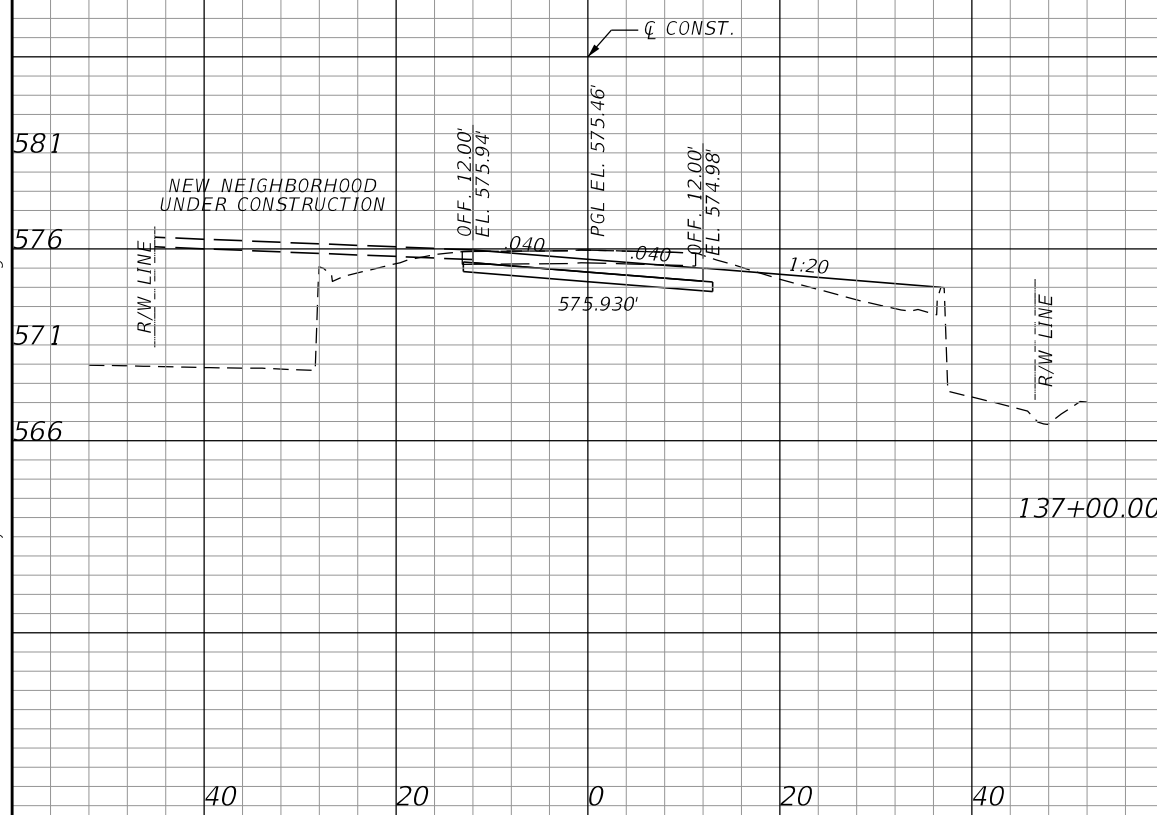
SHEET NO.
45

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS

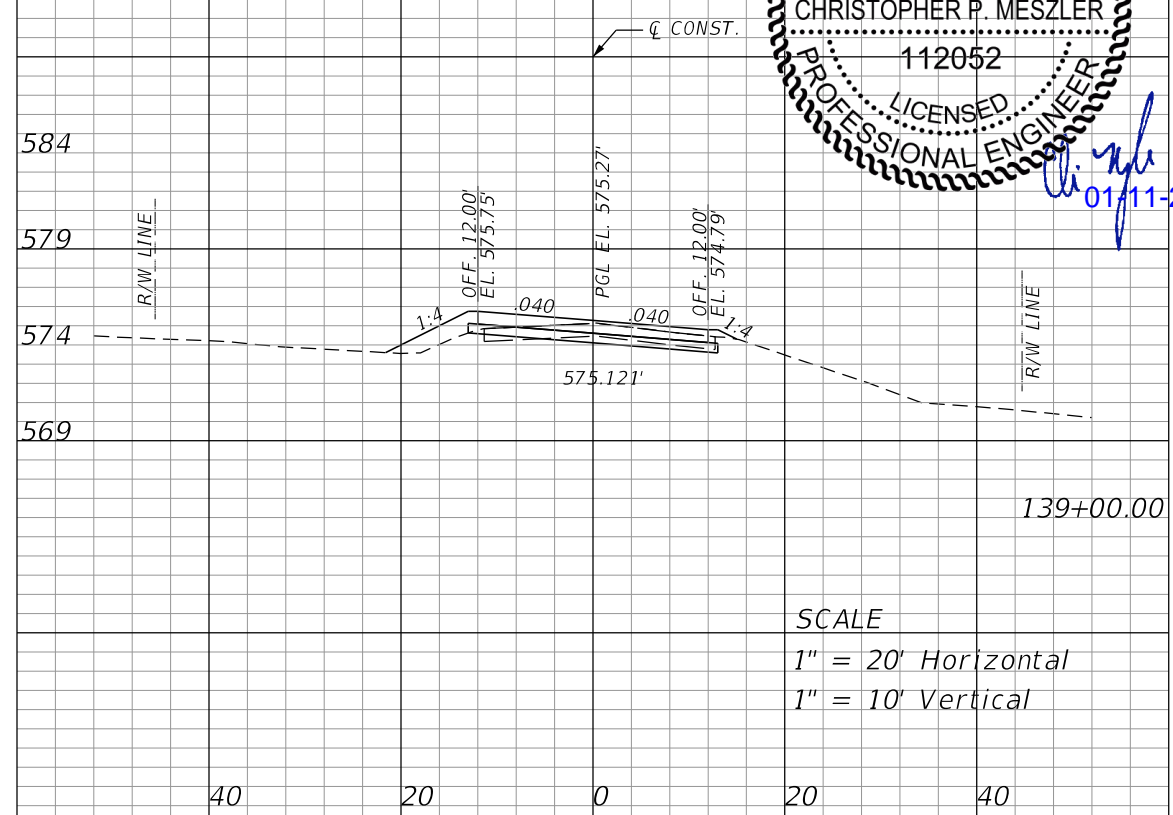
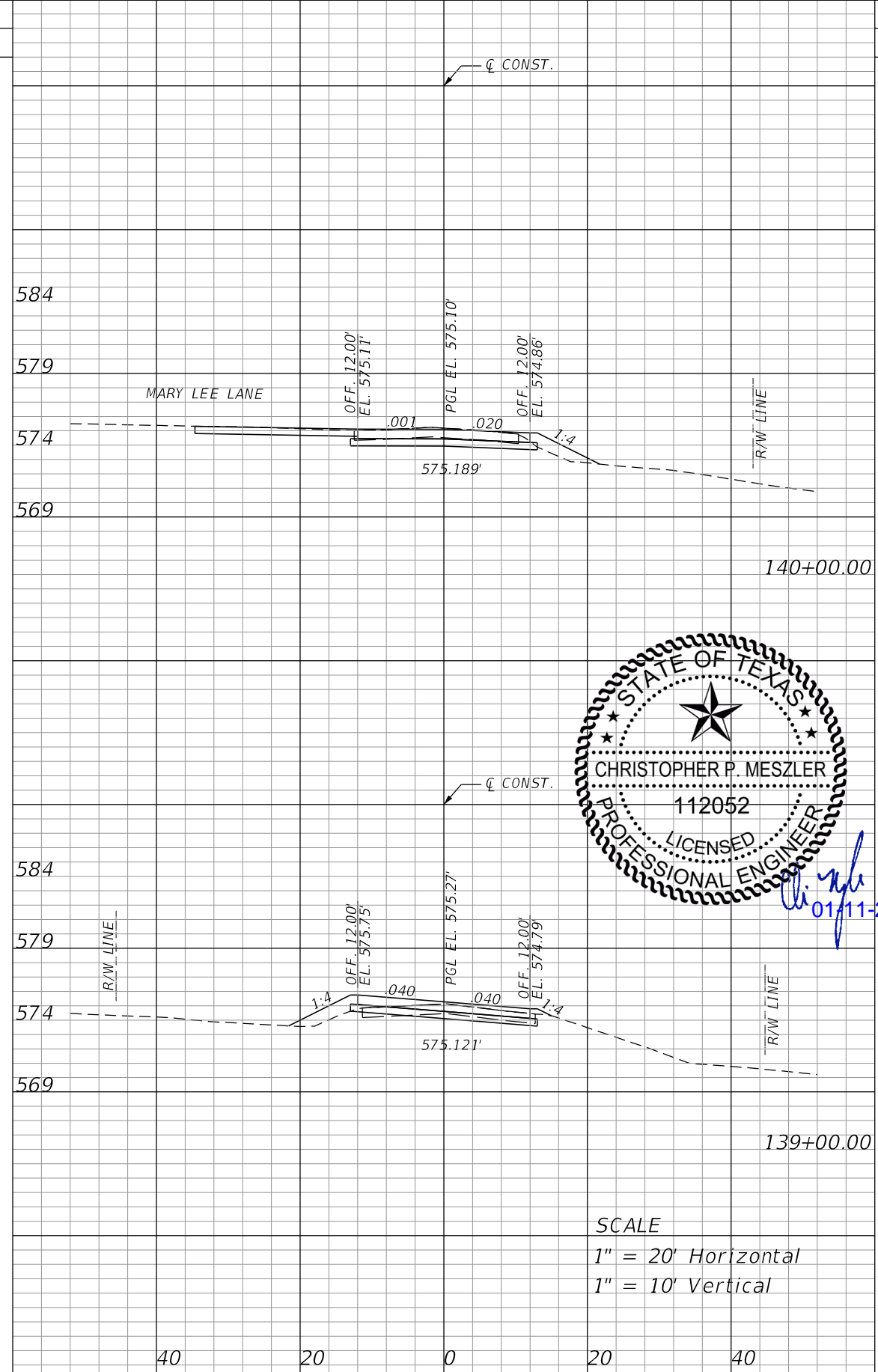
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 PLOT DATE: 1/11/2019
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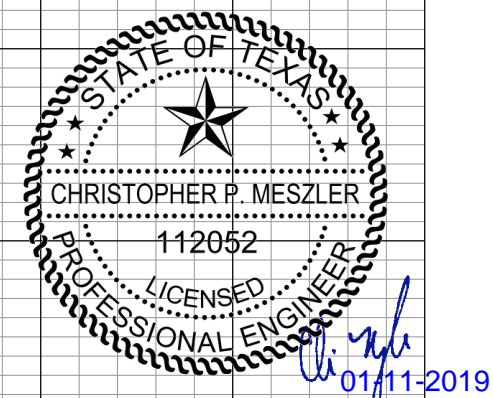
Regular		Exc.		Embankment	
A	V	A	V	A	V
7.79			58.8	9.91	48.1



23.94			55.2	16.08	45.0
-------	--	--	------	-------	------



4.05			21.9	9.13	35.3
------	--	--	------	------	------



SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



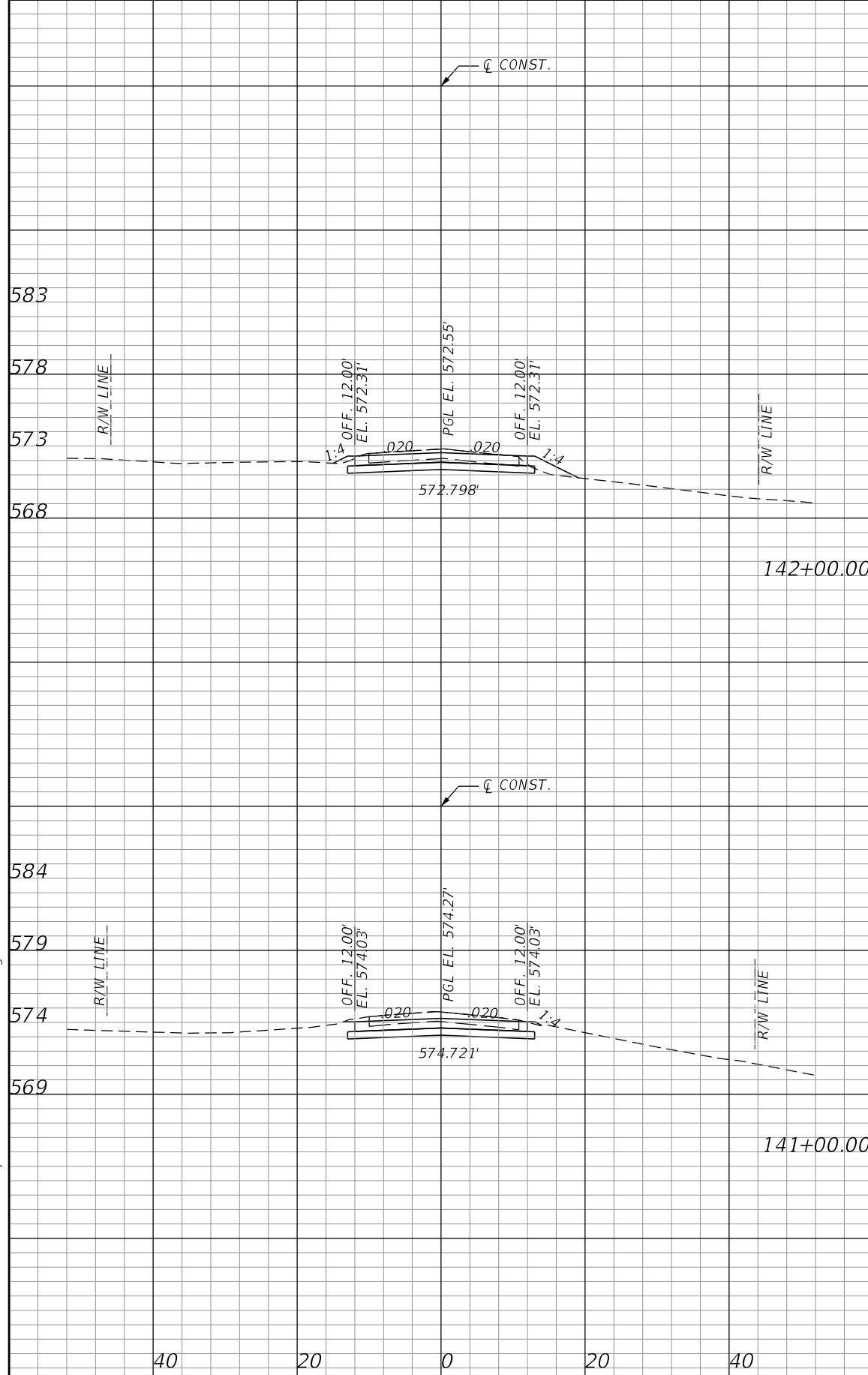
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CROSS SECTIONS

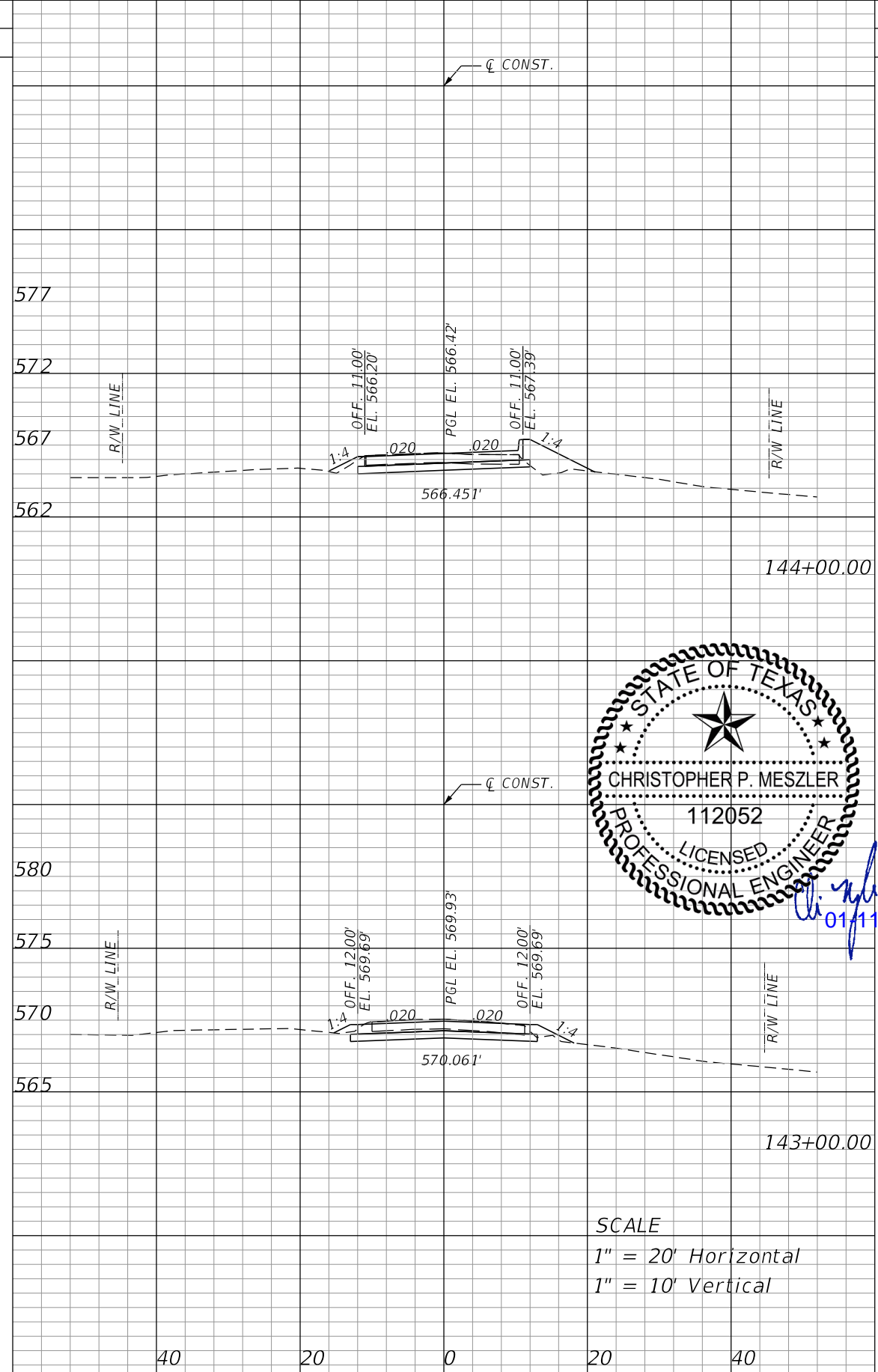
SHEET NO.
46

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS

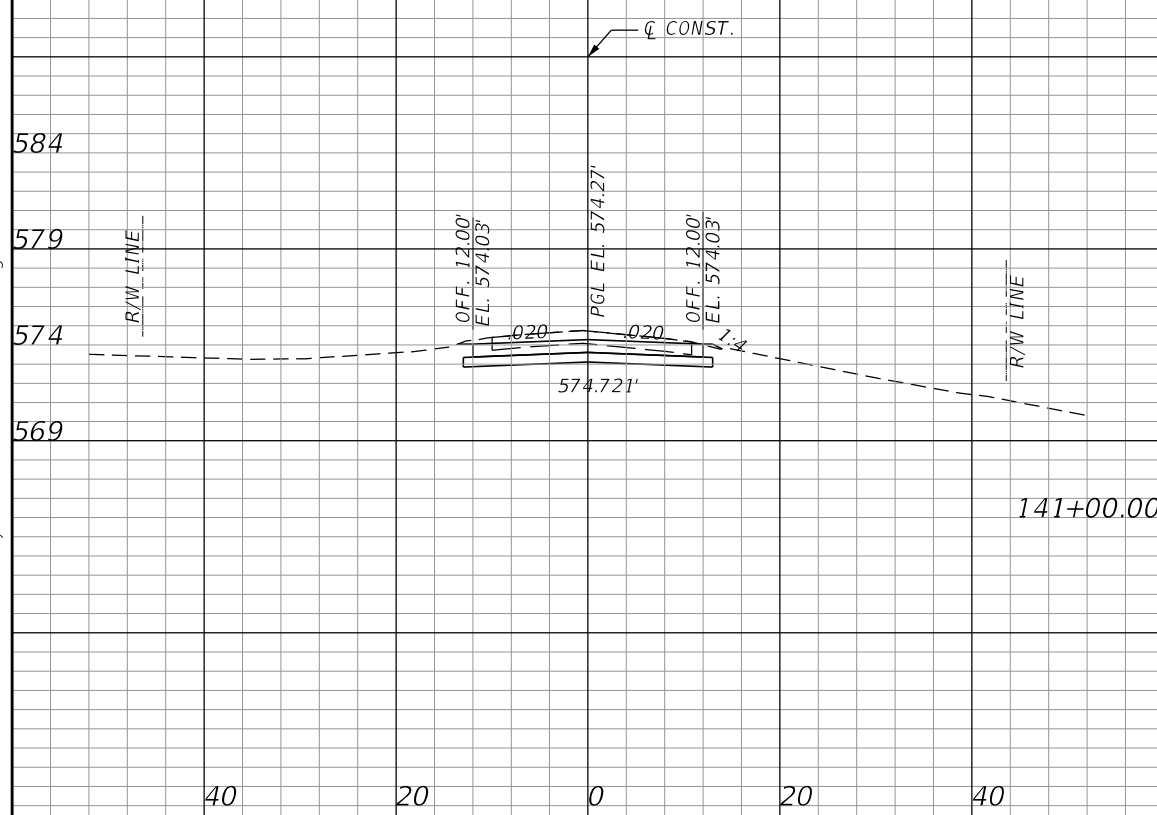
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 1/11/2019
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:37:04 PM
 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\12. Cross Sections\RD\SXD01.DGN



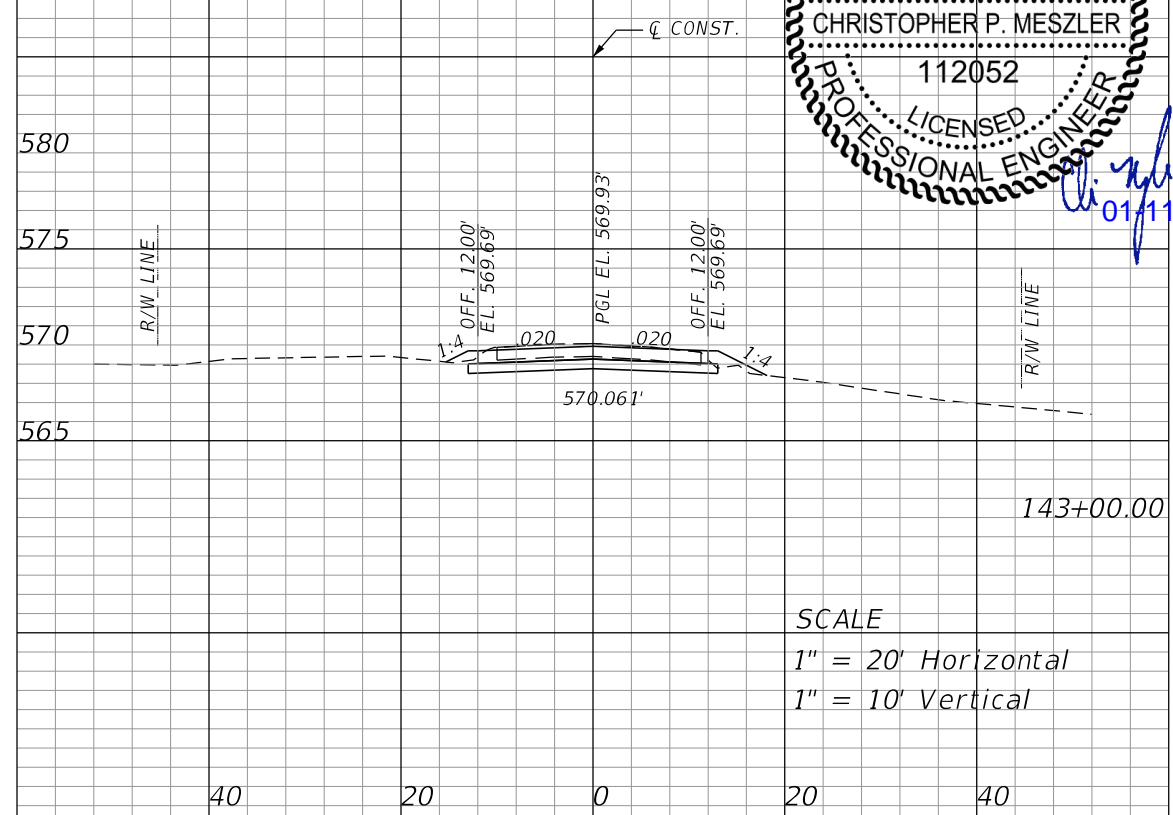
Regular		Exc.		Embankment	
A	V	A	V	A	V
15.27	66.5	4.63	8.9		



Regular		Exc.		Embankment	
A	V	A	V	A	V
10.01	45.0	12.56	30.1		



Regular		Exc.		Embankment	
A	V	A	V	A	V
20.62	60.5	0.19	13.1		



Regular		Exc.		Embankment	
A	V	A	V	A	V
14.31	54.8	3.67	15.4		



SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



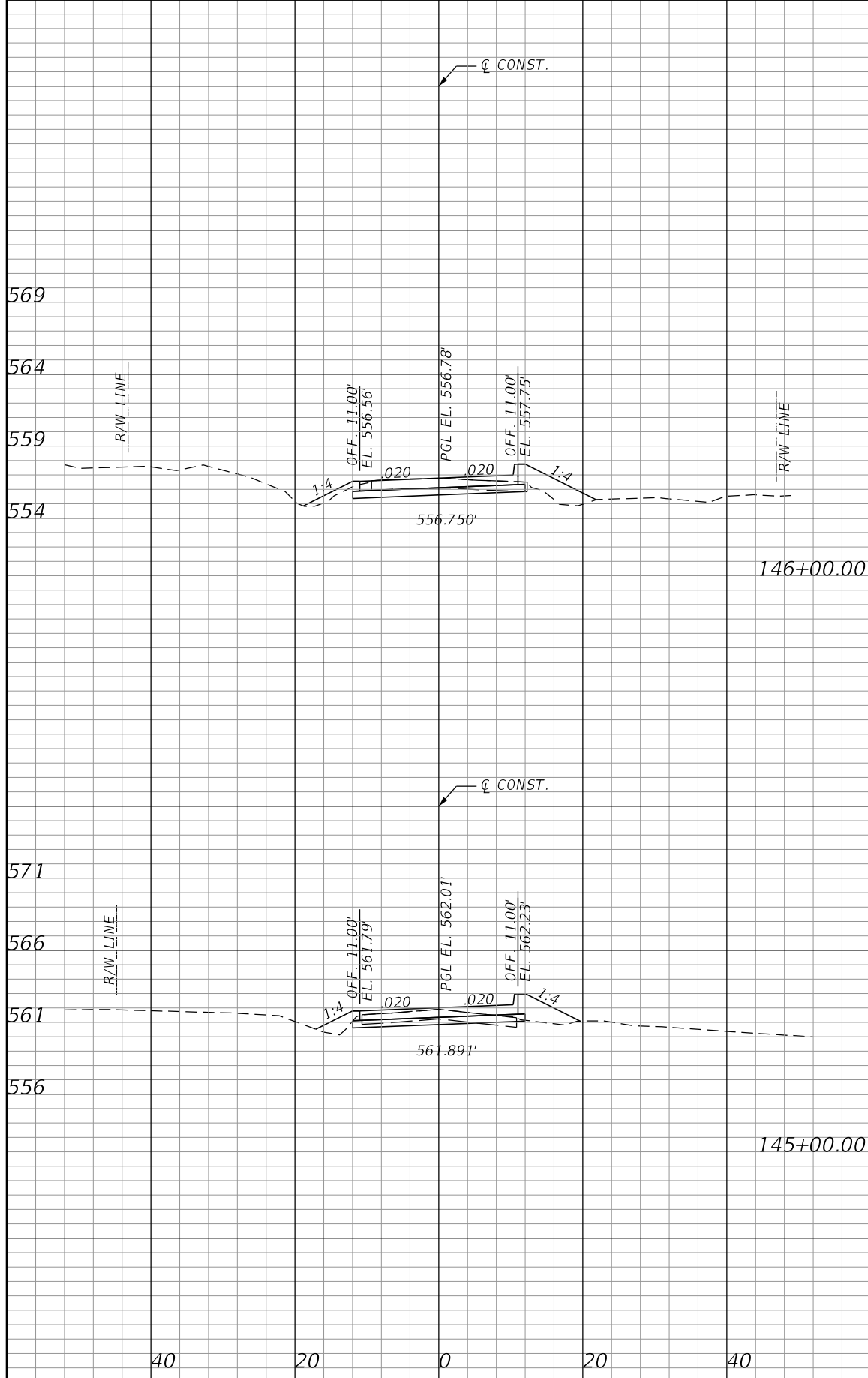
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CROSS SECTIONS

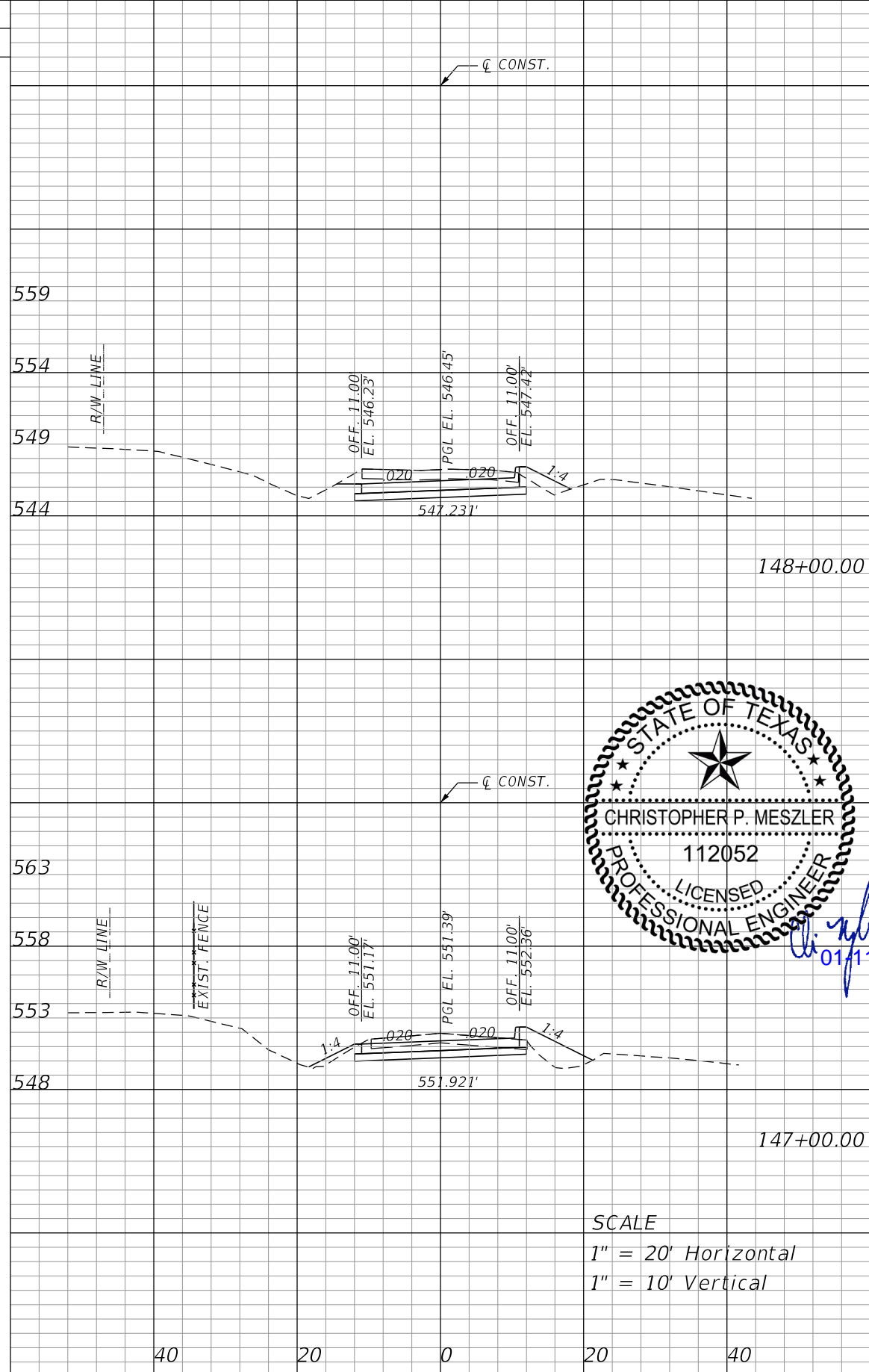
SHEET NO.
47

CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS

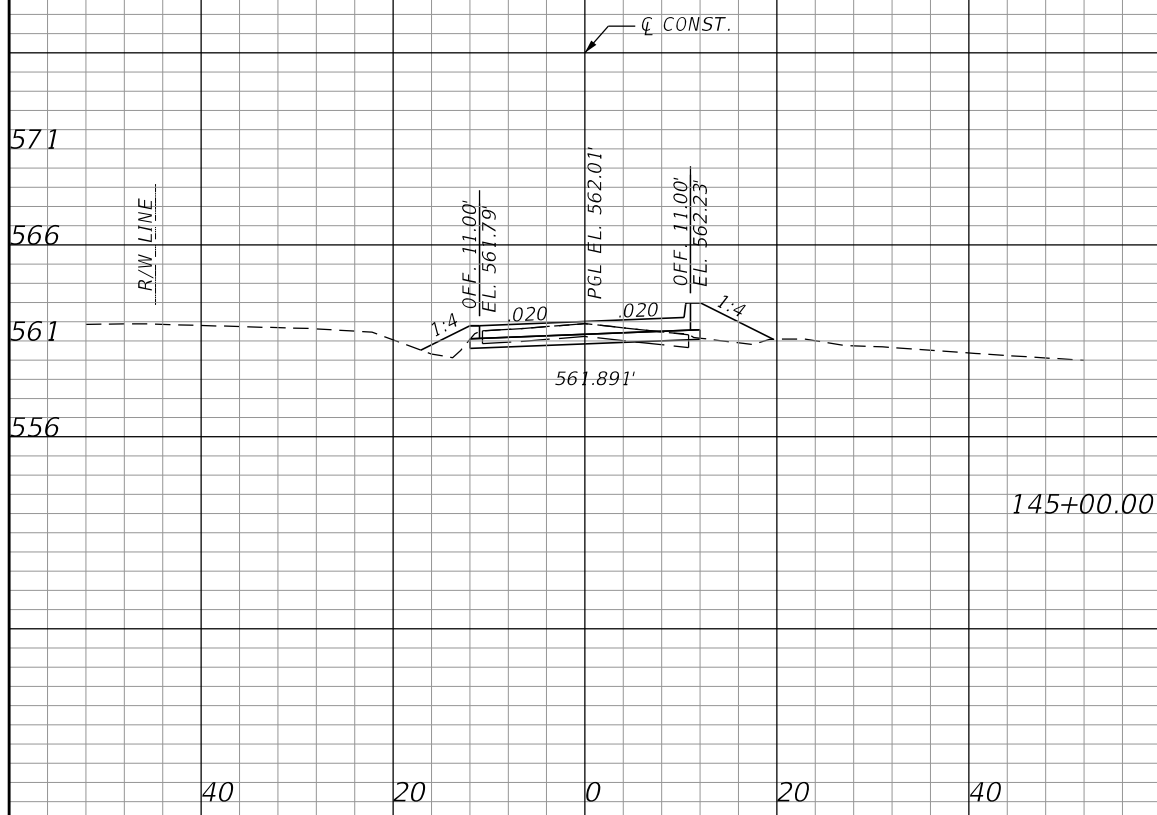
PLOTTED BY: hrementeria
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:37:10 PM
 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\12. Cross Sections\RD\SXD01.DGN



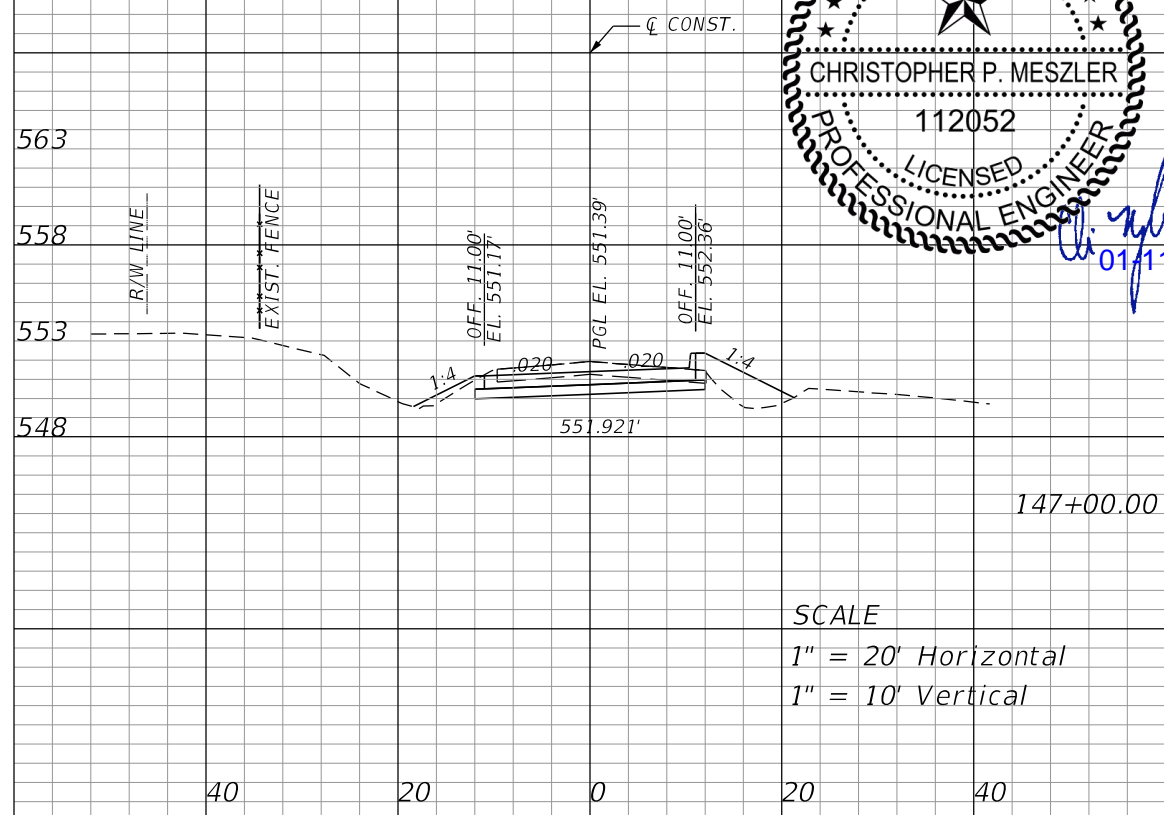
Regular		Exc.		Embankment	
A	V	A	V	A	V
8.58	23.8	15.62	56.1		



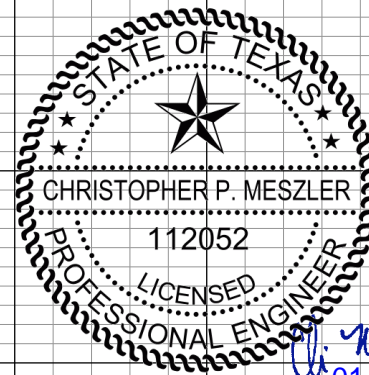
Regular		Exc.		Embankment	
A	V	A	V	A	V
29.49	87.9	5.33	37.0		



Regular		Exc.		Embankment	
A	V	A	V	A	V
4.30	26.5	14.67	50.4		



Regular		Exc.		Embankment	
A	V	A	V	A	V
17.96	49.1	15.06	56.8		



SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



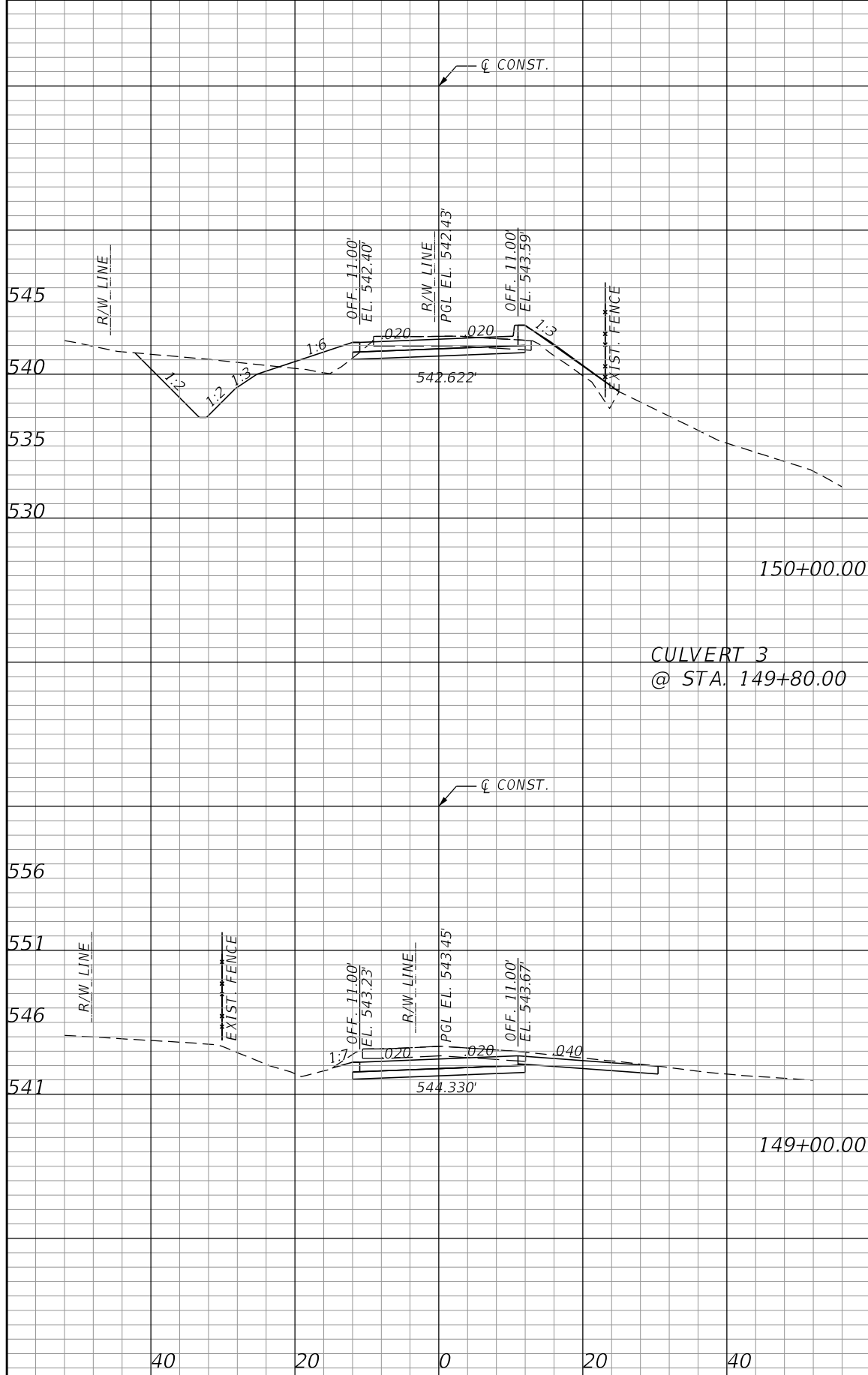
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CROSS SECTIONS

SHEET
 NO.
 48

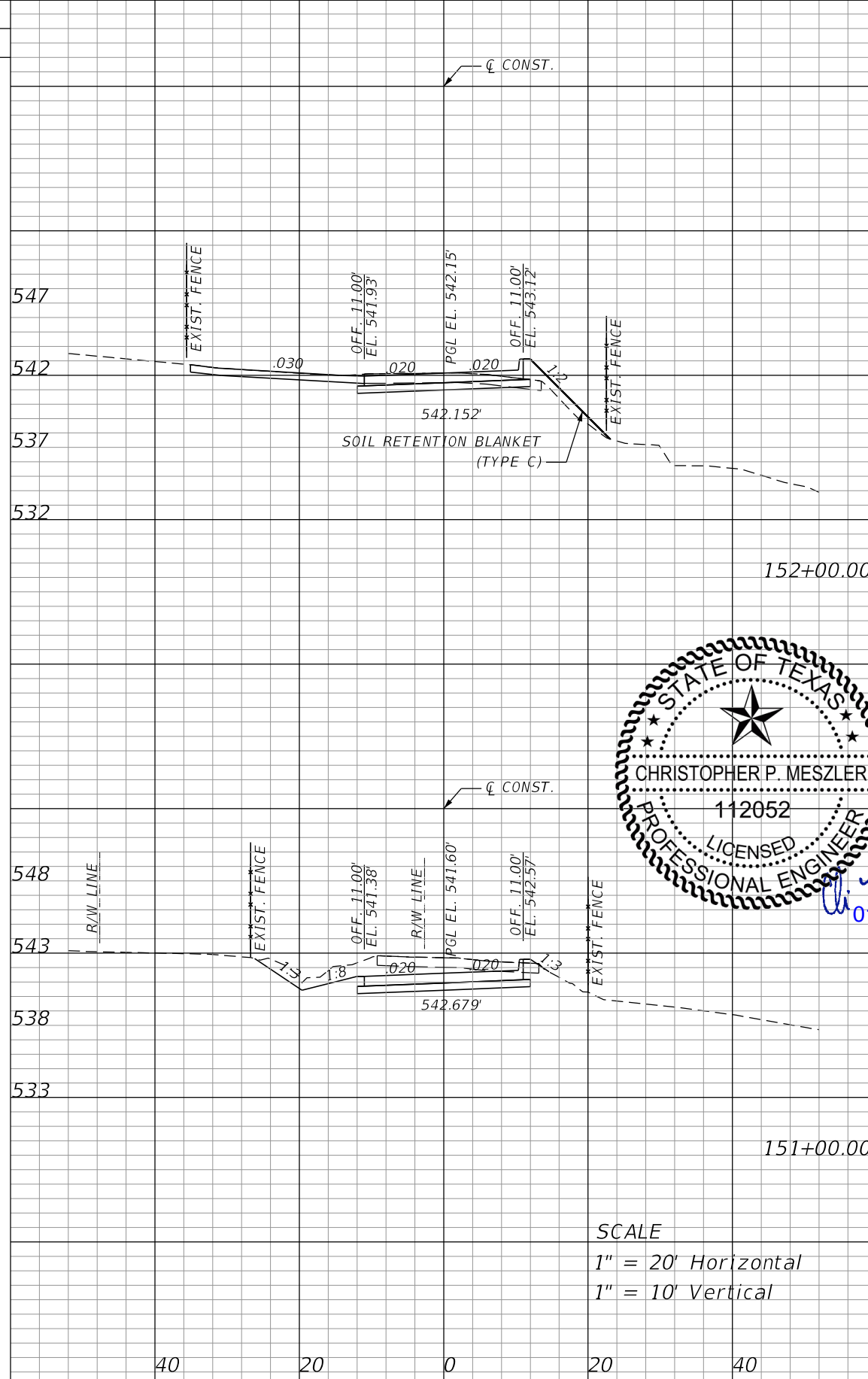
CALL BEFORE YOU DIG
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-55

PLOTTED BY: hrementeria
 1/11/2019
 PLOT DATE: 1:37:17 PM
 LAST SAVED: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\12. Cross Sections\RD\SXD01.DGN
 LOCATION:



CULVERT 3
 @ STA. 149+80.00

Regular		Exc.		Embankment	
A	V	A	V	A	V
13.28	83.6	53.83	100.4		



STATE OF TEXAS
 CHRISTOPHER P. MESZLER
 112052
 LICENSED PROFESSIONAL ENGINEER
 01/11-2019

SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

Regular		Exc.		Embankment	
A	V	A	V	A	V
9.53	66.1	9.40	36.1		
26.15	73.0	10.09	118.4		

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



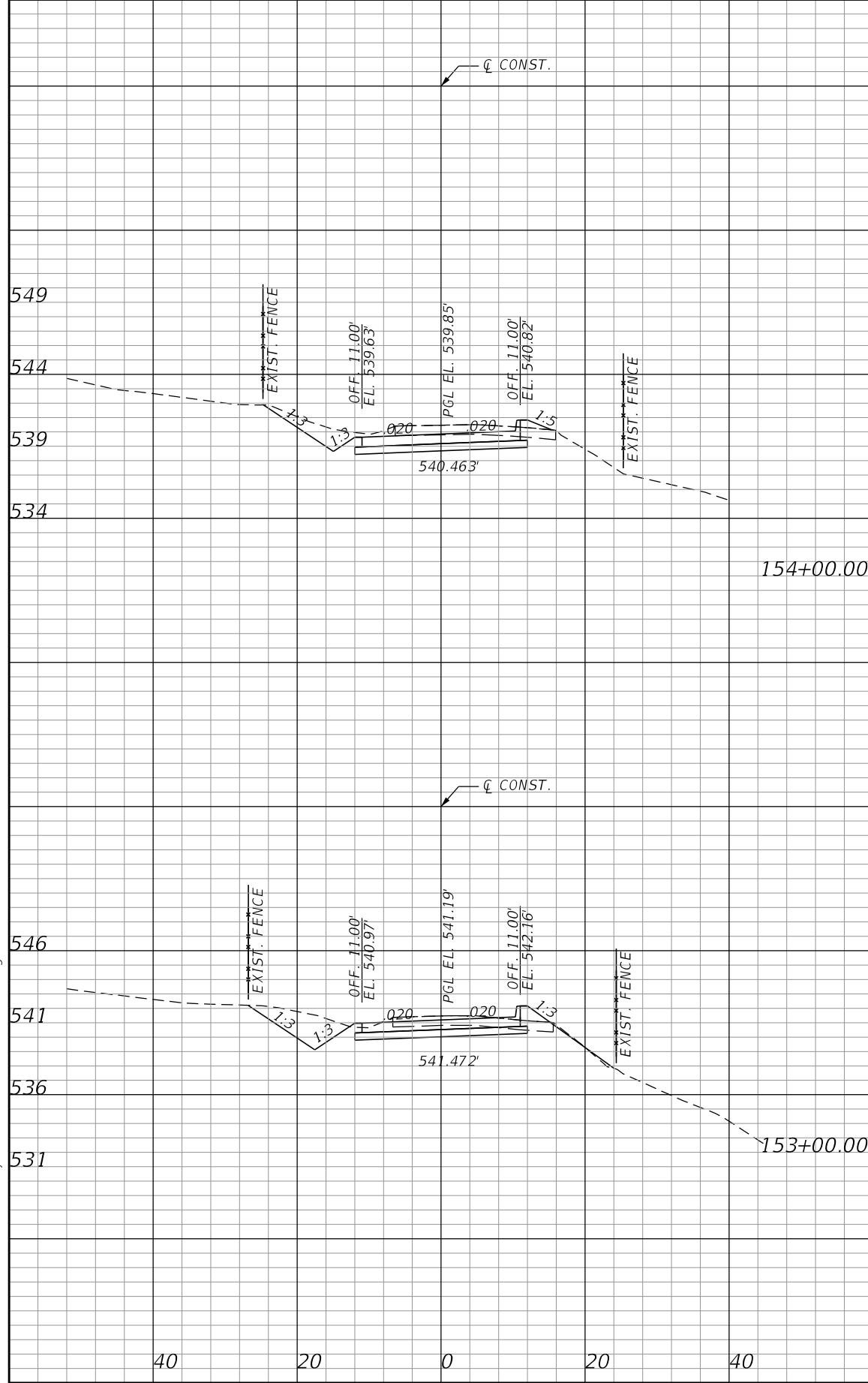
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CROSS SECTIONS

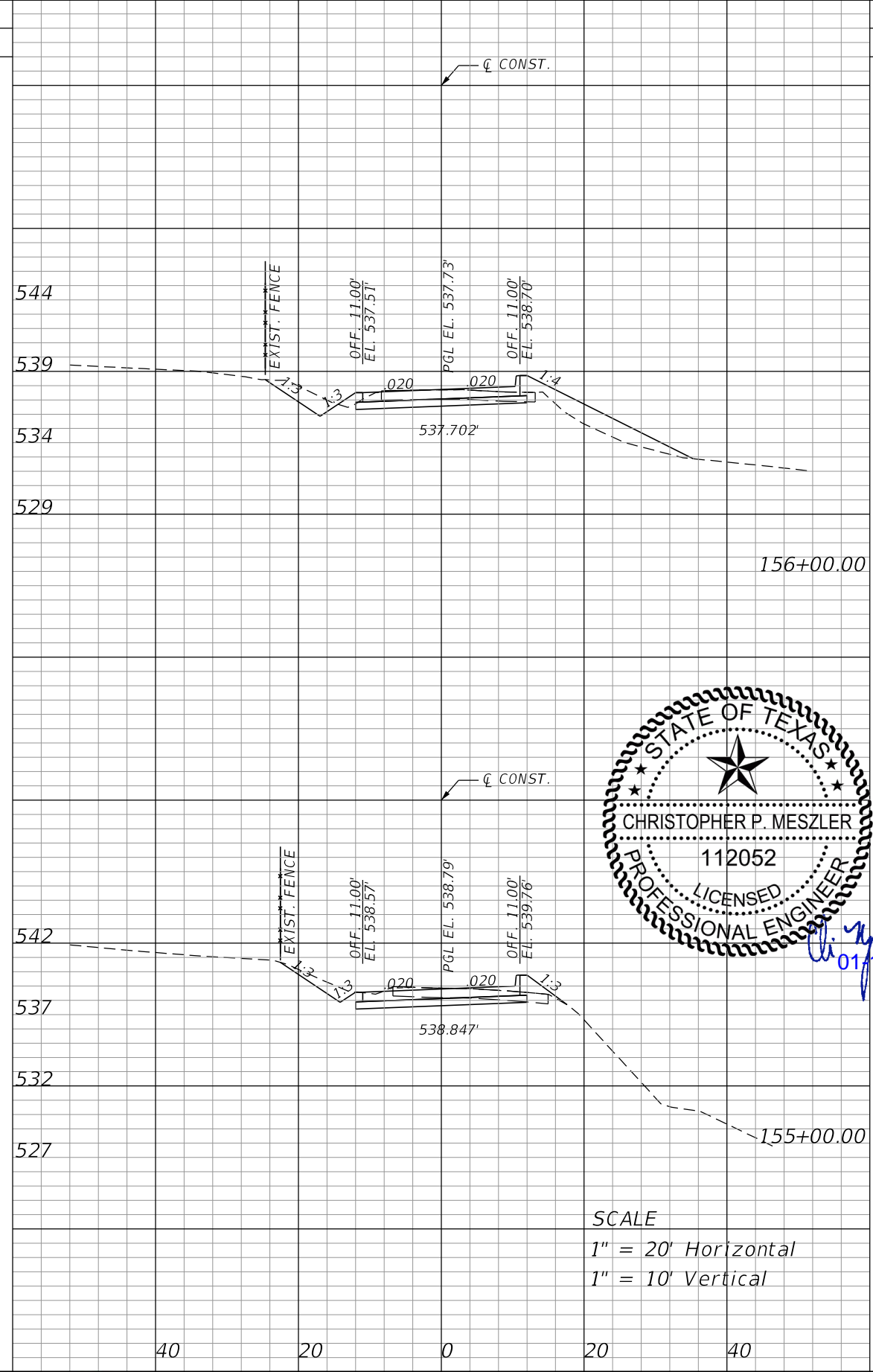
SHEET NO.	49
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CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-ESS
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL

PLOTTED BY: hrementeria
 PLOT DATE: 1/11/2019
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 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\12. Cross Sections\RD\SXD01.DGN



Regular		Exc.		Embankment	
A	V	A	V	A	V
33.72	121.9	2.22	11.5		



Regular		Exc.		Embankment	
A	V	A	V	A	V
17.53	63.6	25.93	56.1		



SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS	
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 BEDFORD, TX 76021
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 TBPE REG. F-15243



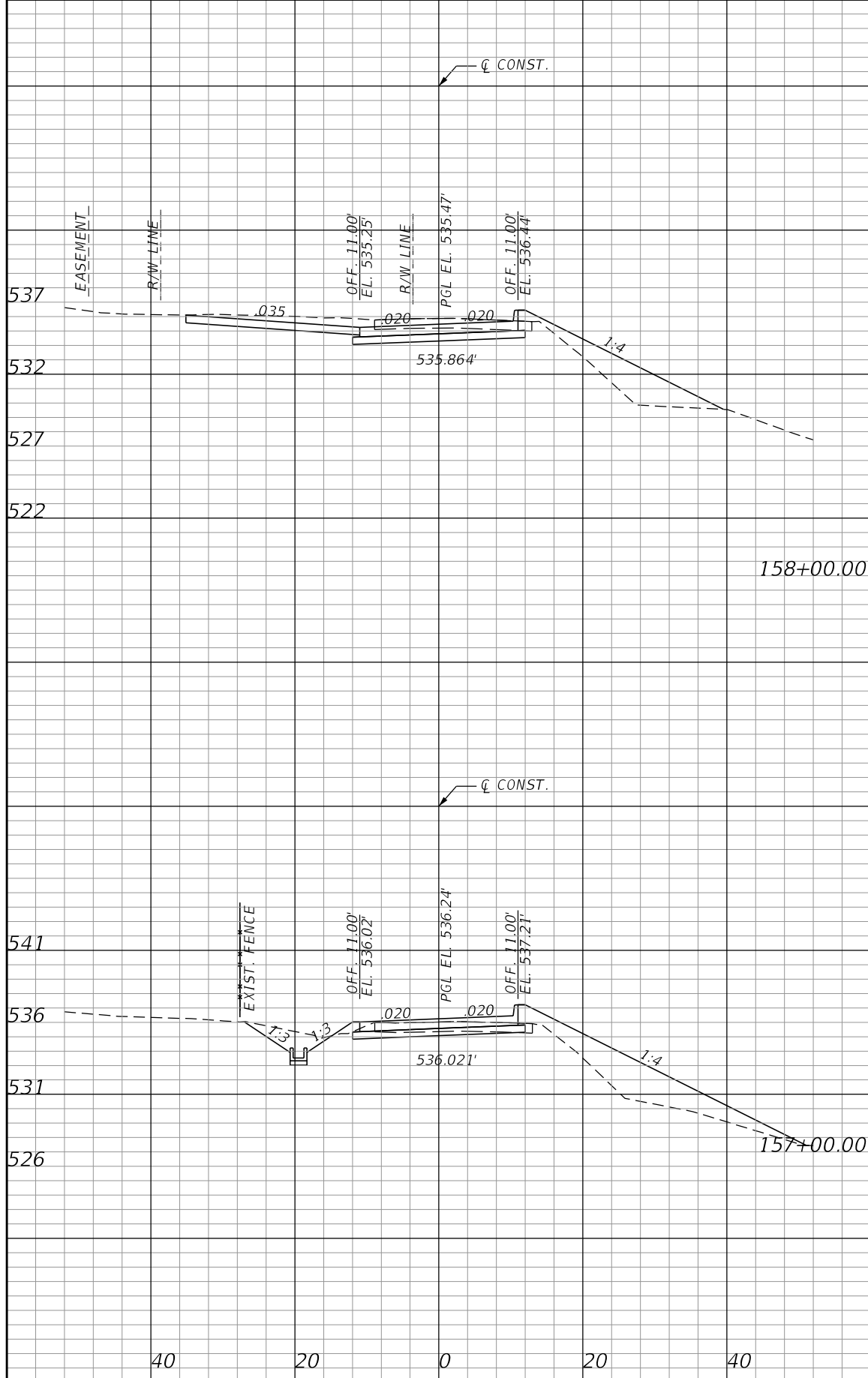
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CROSS SECTIONS

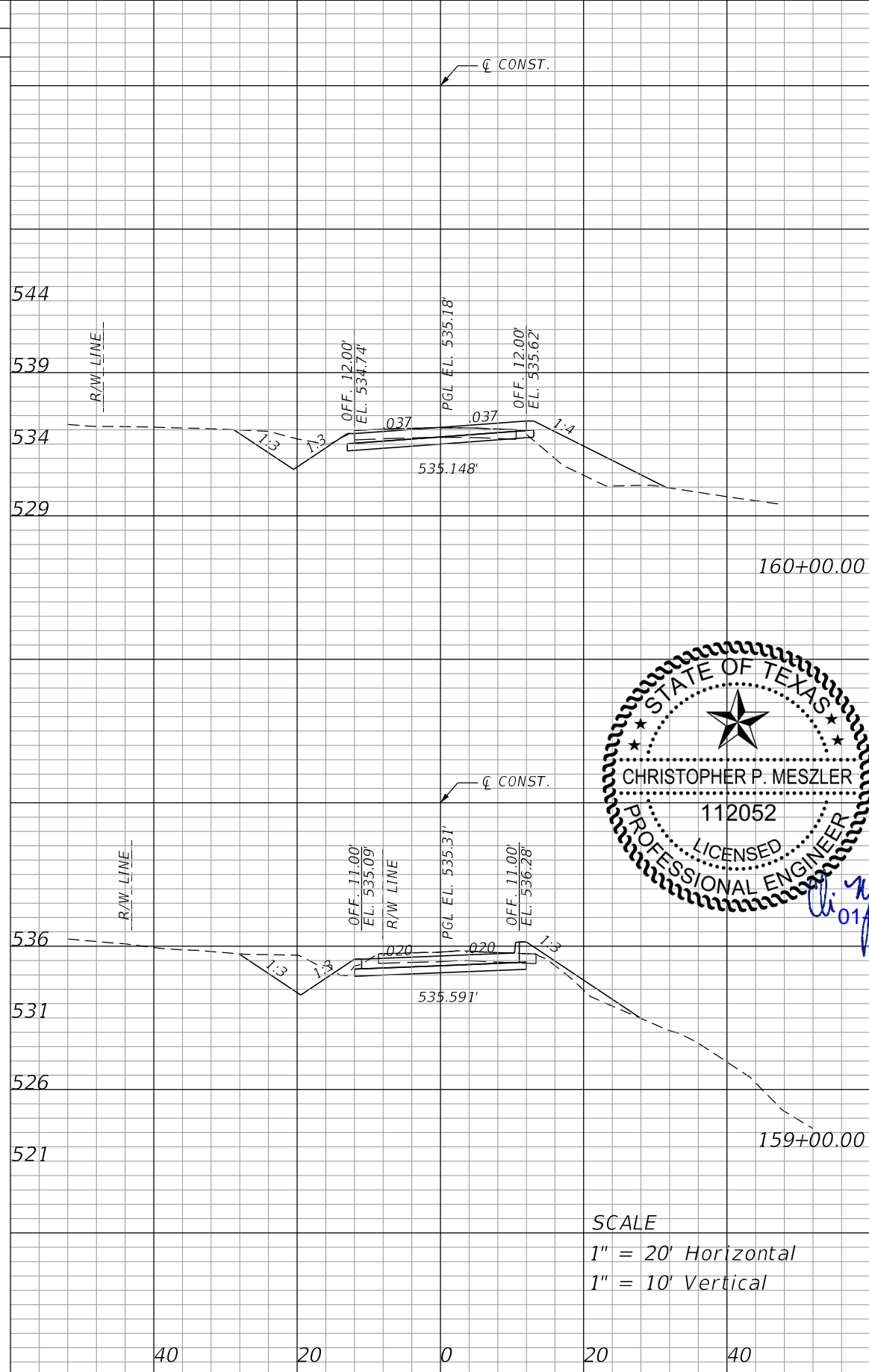
SHEET NO.
50

CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-55
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL

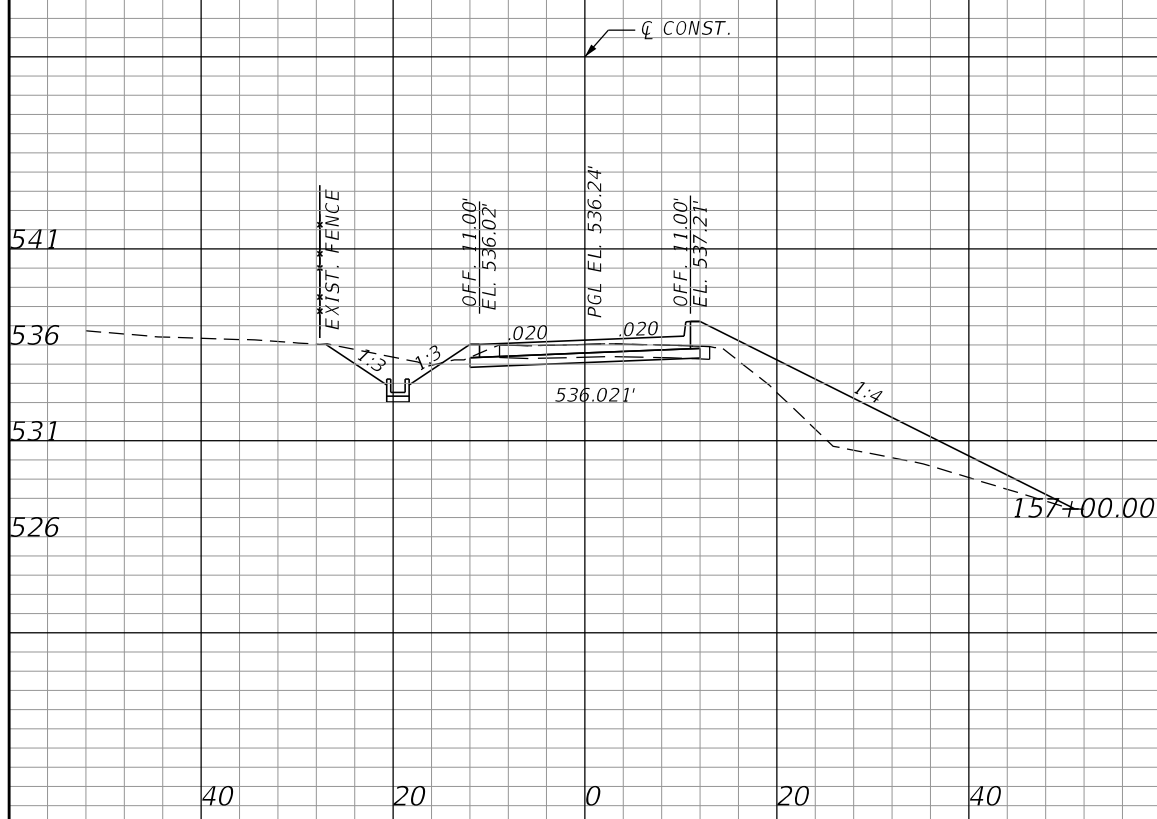
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 PLOT DATE: 1/11/2019
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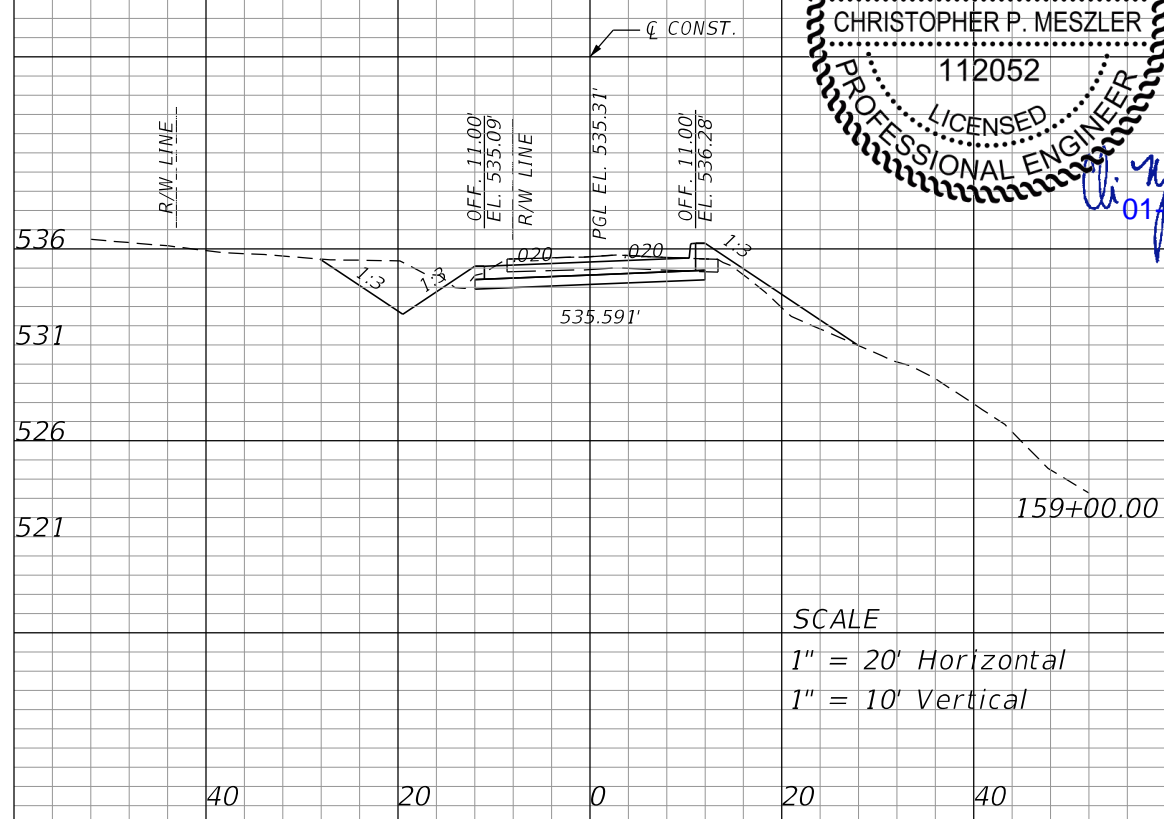
Regular		Exc.		Embankment	
A	V	A	V	A	V
27.46		80.8		38.07	183.4



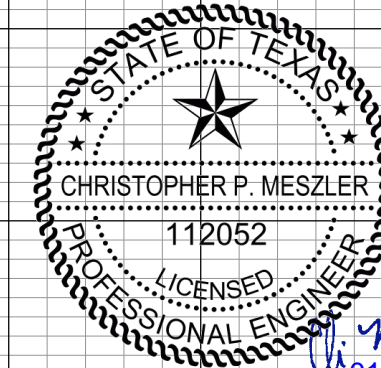
Regular		Exc.		Embankment	
A	V	A	V	A	V
25.52		111.2		28.57	71.5



Regular		Exc.		Embankment	
A	V	A	V	A	V
16.19		62.4		60.95	160.9



Regular		Exc.		Embankment	
A	V	A	V	A	V
34.51		114.8		10.02	89.1

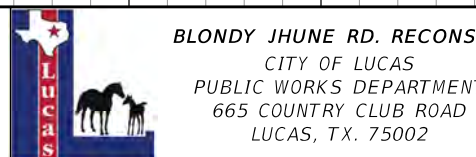


SCALE
 1" = 20' Horizontal
 1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
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 TBPE REG. F-15243

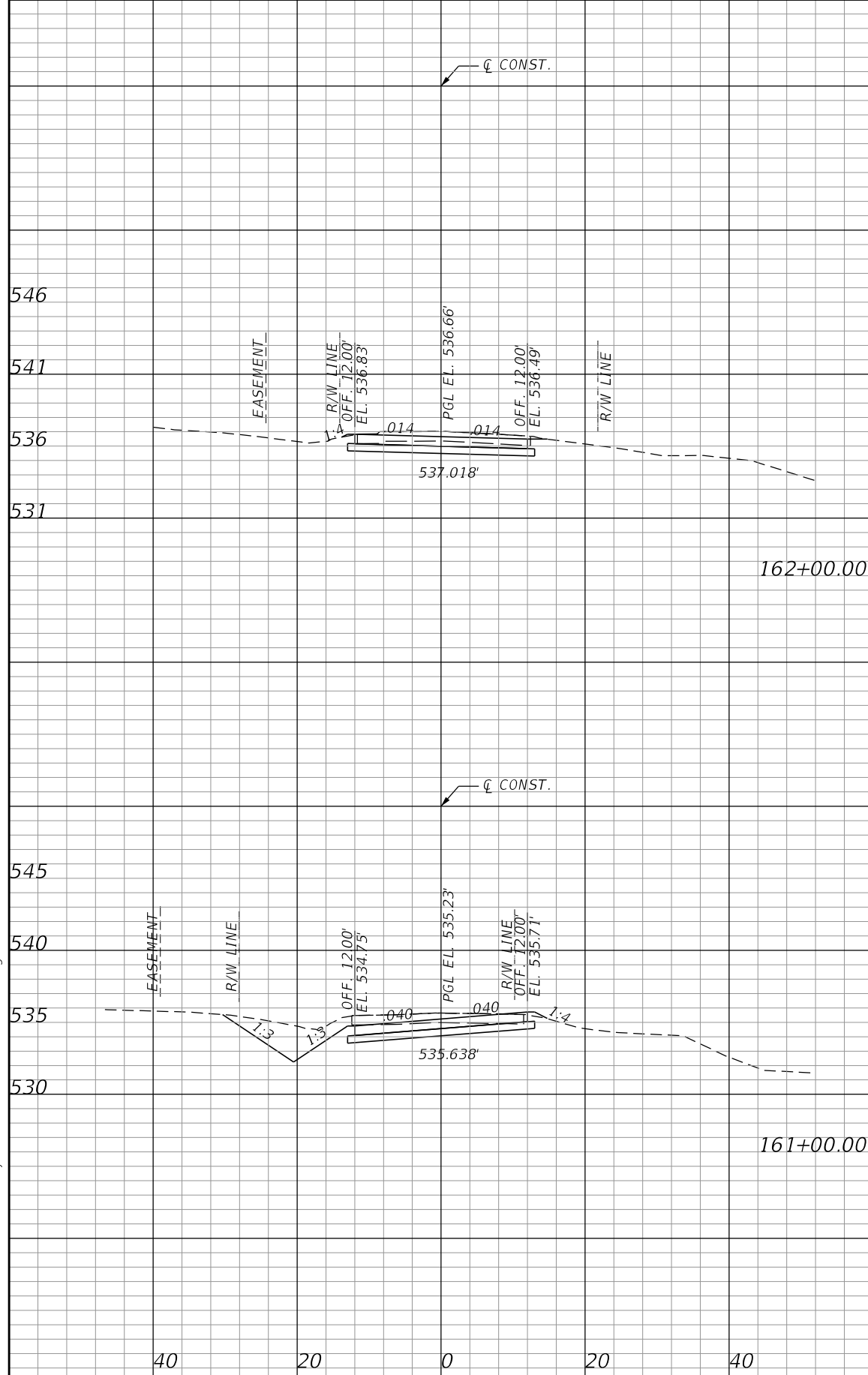


CROSS SECTIONS

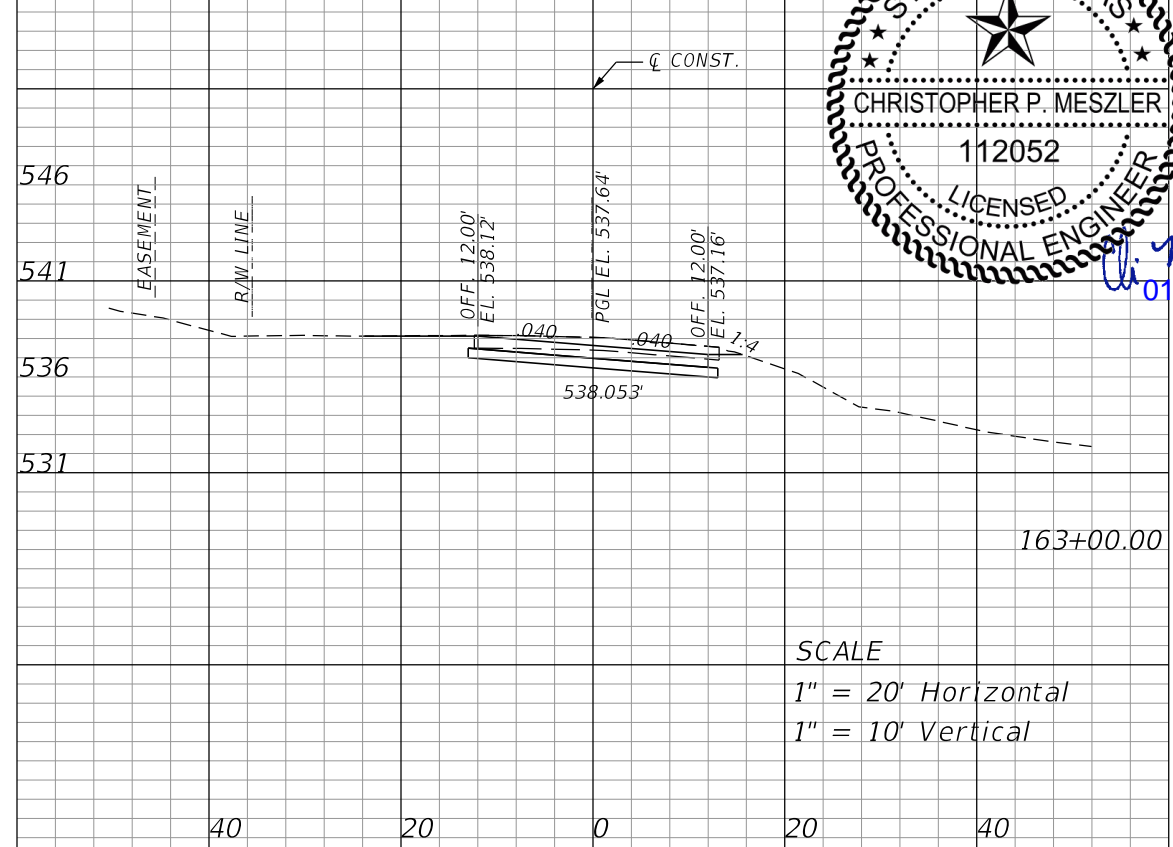
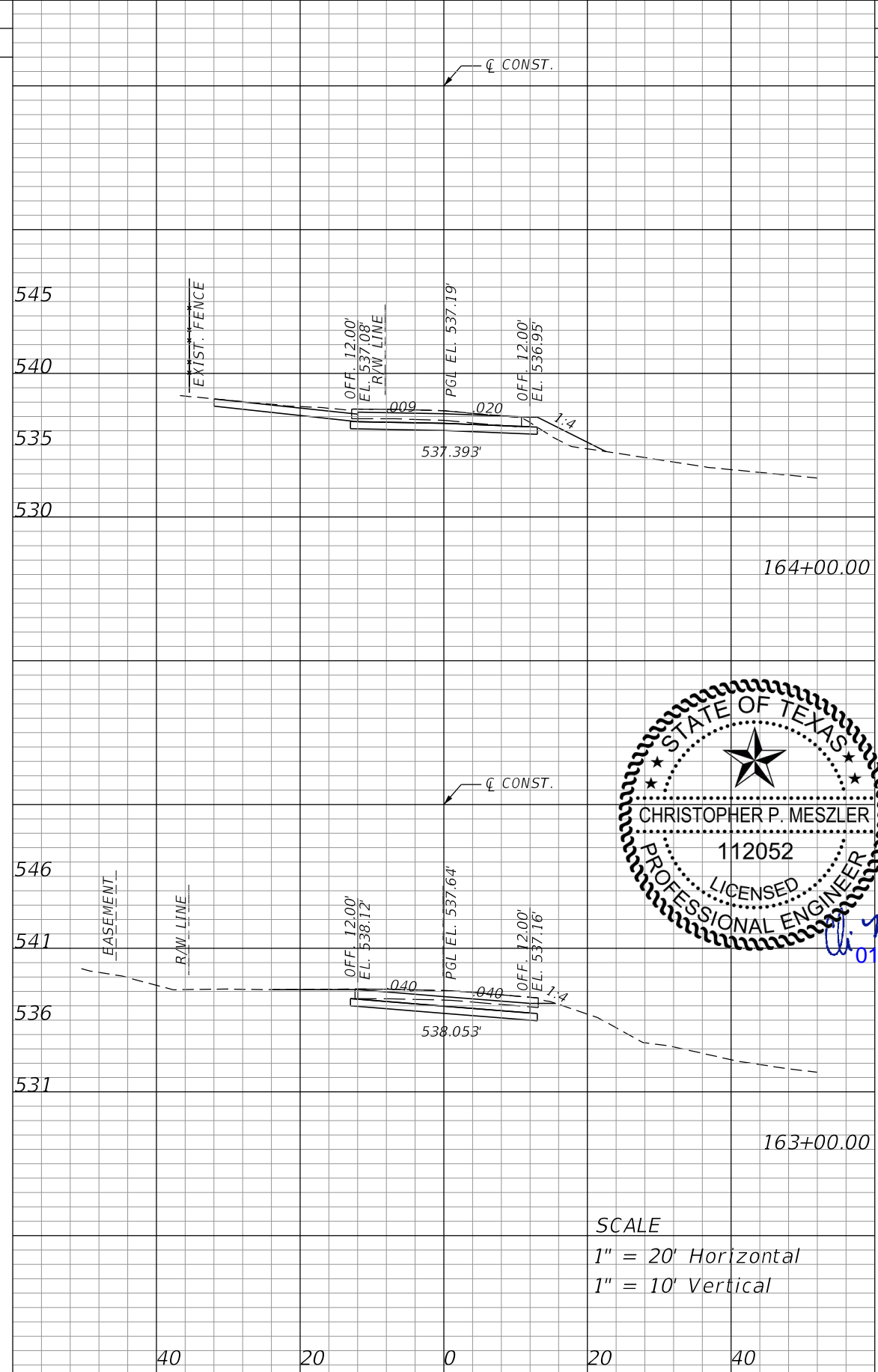
SHEET NO.
51

CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-55
 TEXAS ONE CALL PARTICIPANTS REQUEST
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL

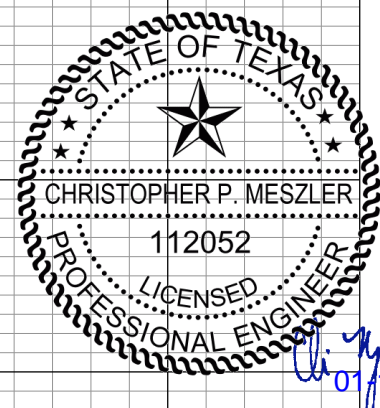
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 1/11/2019
 PLOT DATE: 1/11/2019
 LAST SAVED: 1:37:35 PM
 LOCATION: C:\Transfer\17-113 Blondy Jhune\1800457\4 - Design\Plan Set\12. Cross Sections\RD\SXD01.DGN



Regular		Exc.		Embankment	
A	V	A	V	A	V
18.50	114.9	0.15	1.2		



Regular		Exc.		Embankment	
A	V	A	V	A	V
43.54	127.9	0.51	53.9		



SCALE
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 1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION



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 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TBPE REG. F-15243



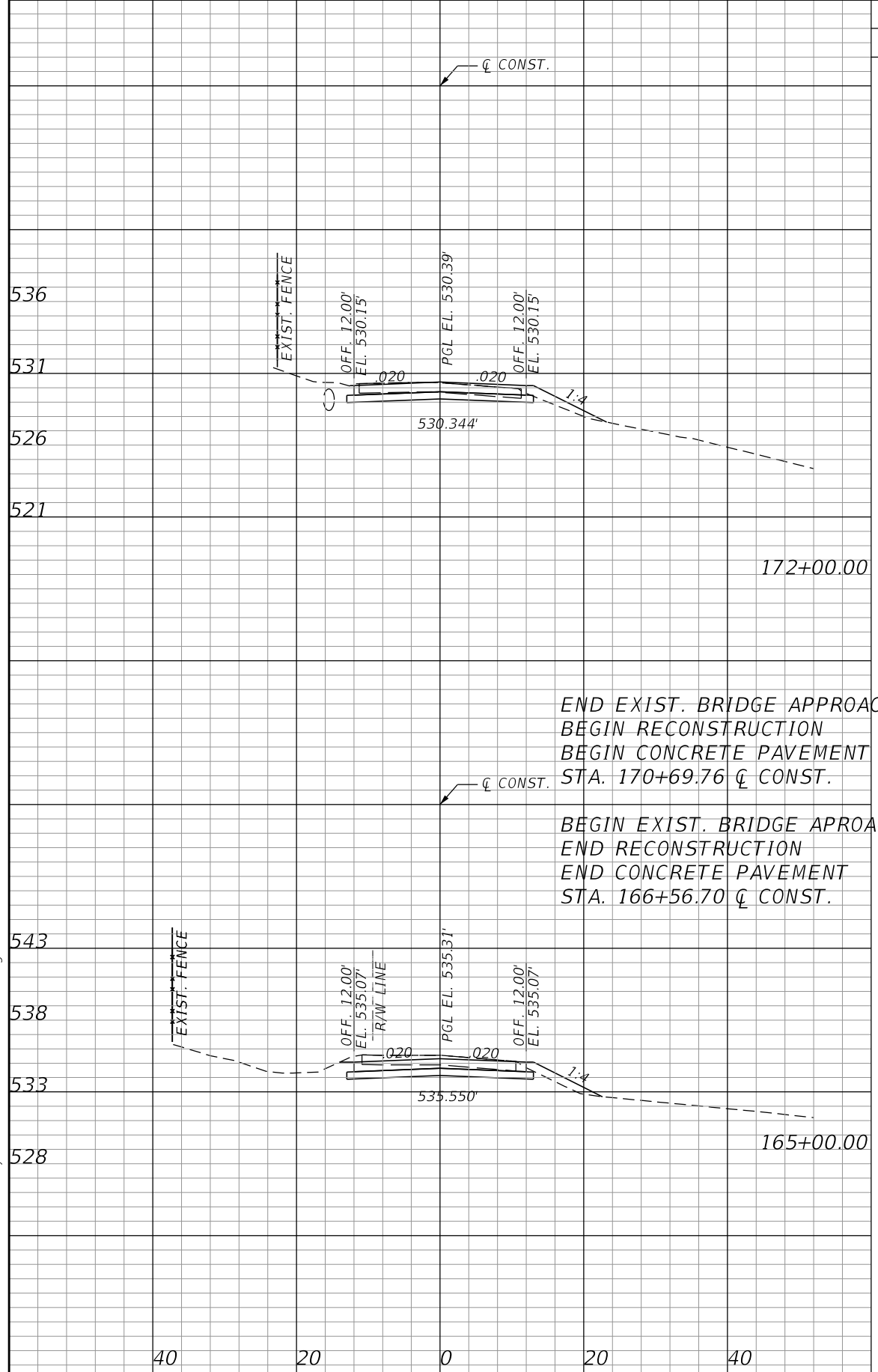
BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

CROSS SECTIONS

SHEET NO.
52

CALL BEFORE YOU DIG
 TEXAS ONE CALL SYSTEM
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,
 OR BLAST - STOP CALL
 1-800-DIG-1155

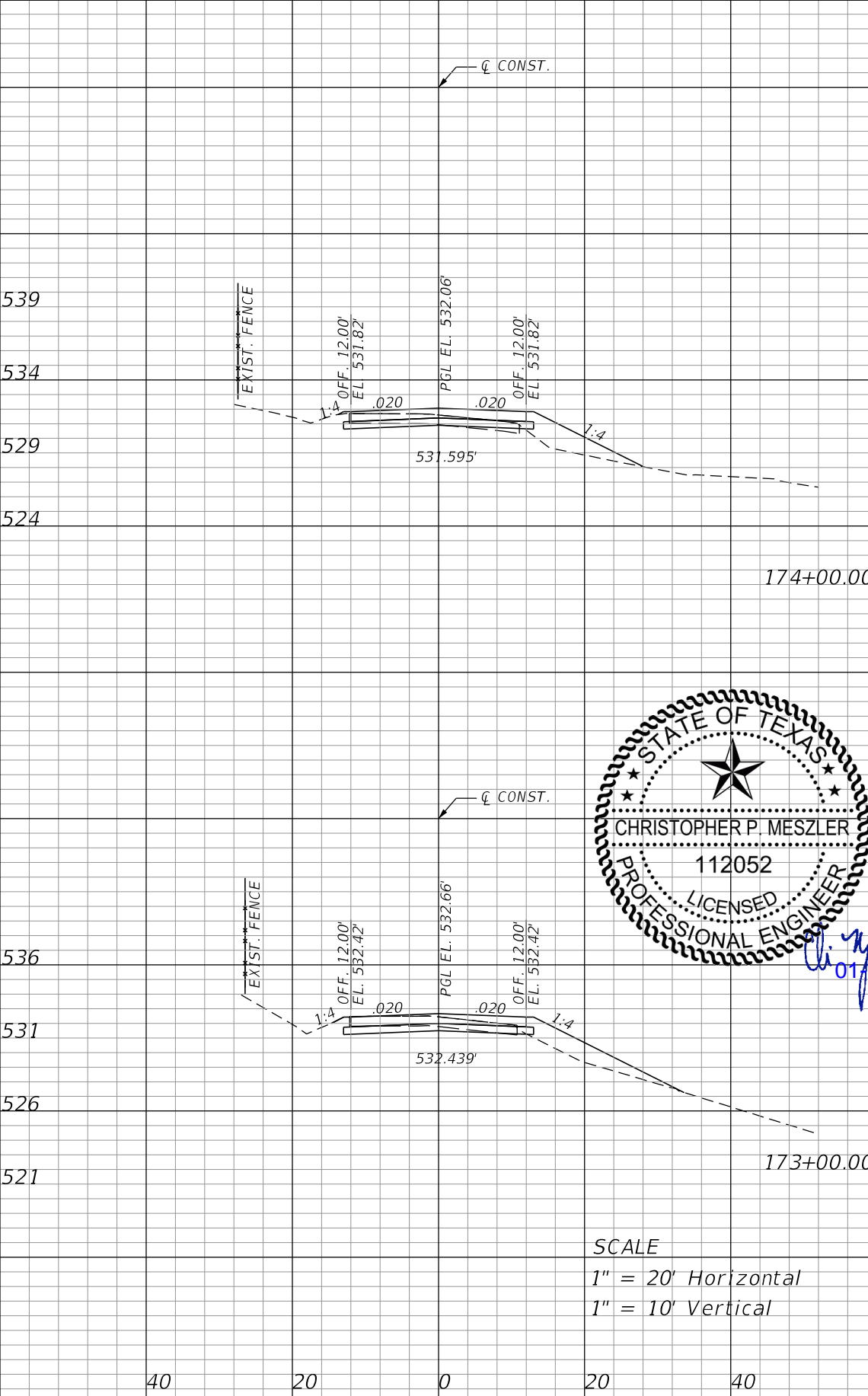
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 PLOT DATE: 1/11/2019
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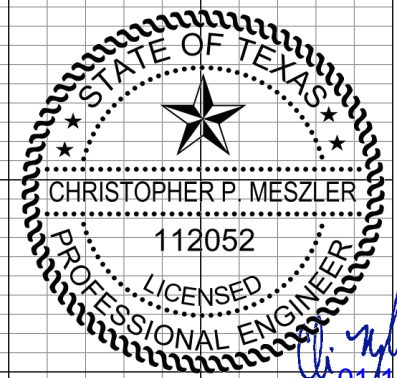
Regular		Exc.		Embankment	
A	V	A	V	A	V
11.07				5.44	
	20.5				10.1

END EXIST. BRIDGE APPROACH
 BEGIN RECONSTRUCTION
 BEGIN CONCRETE PAVEMENT
 STA. 170+69.76 CL CONST.

BEGIN EXIST. BRIDGE APPROACH
 END RECONSTRUCTION
 END CONCRETE PAVEMENT
 STA. 166+56.70 CL CONST.



Regular		Exc.		Embankment	
A	V	A	V	A	V
2.85				19.83	
	17.3				74.3



SCALE
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BLONDY JHUNE RD. RECONST.
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 LUCAS, TX. 75002

CROSS SECTIONS

SHEET NO.
53

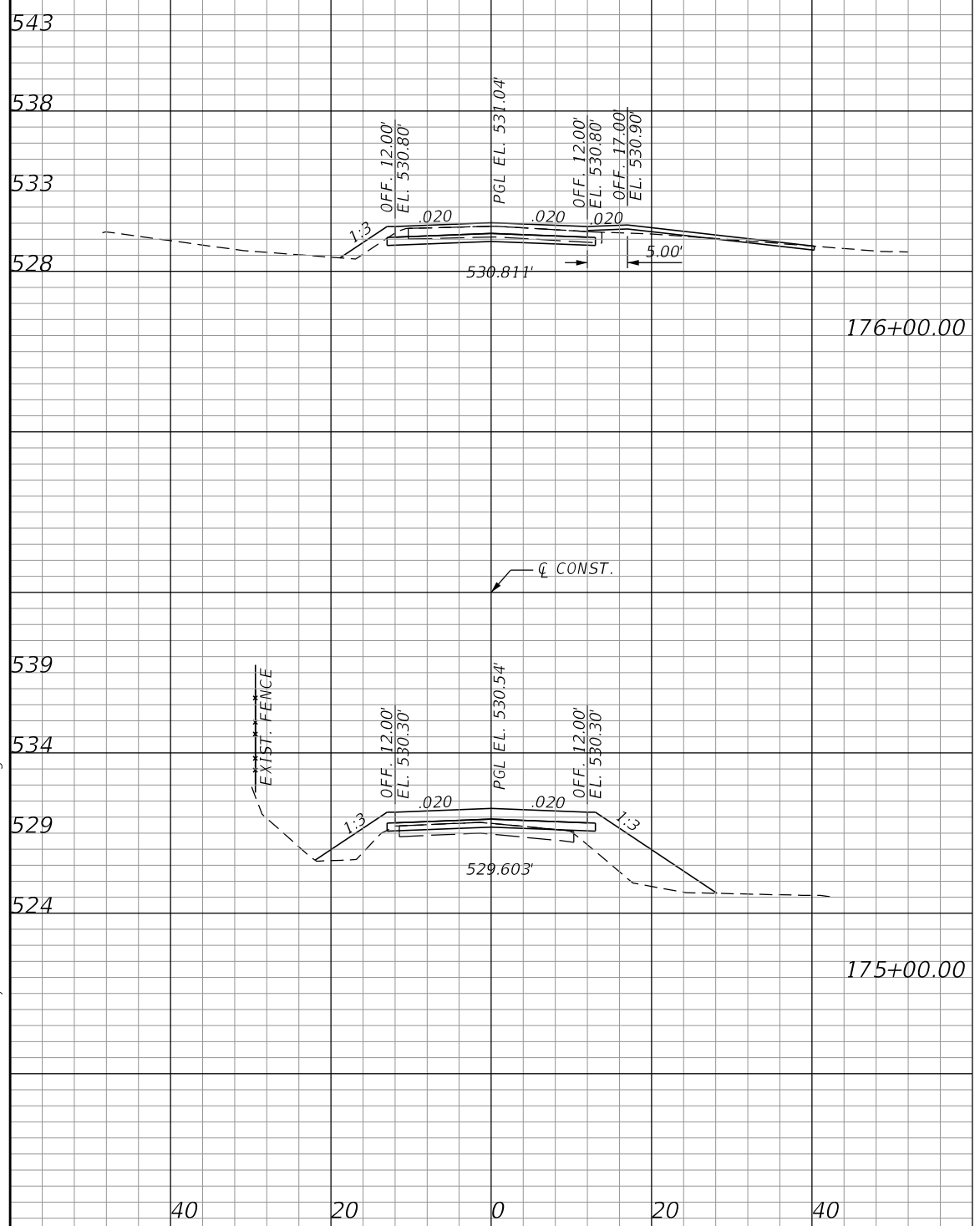
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Regular		Exc.		Embankment	
A	V	A	V	A	V

Regular		Exc.		Embankment	
A	V	A	V	A	V

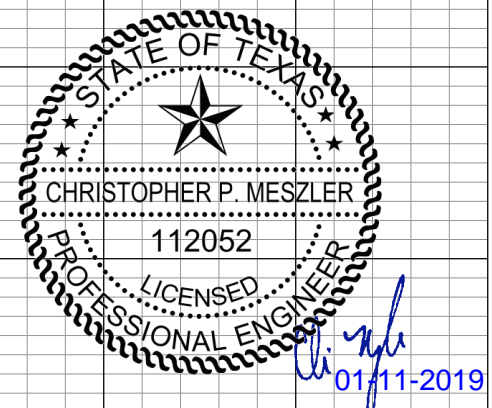
END PROJECT
 END RECONSTRUCTION
 END CONCRETE PAVEMENT
 STA. 176+70.18 ϕ CONST.

REGULAR EXCAVATION TOTAL: 5885.30 CY
 EMBANKMENT TOTAL: 3165.14 CY



6.75	12.5	4.55	126.7
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0.00	5.3	52.64	134.2
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SCALE
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 1" = 10' Vertical

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DATE	REVISIONS DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
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BLONDY JHUNE RD. RECONST.
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 LUCAS, TX. 75002

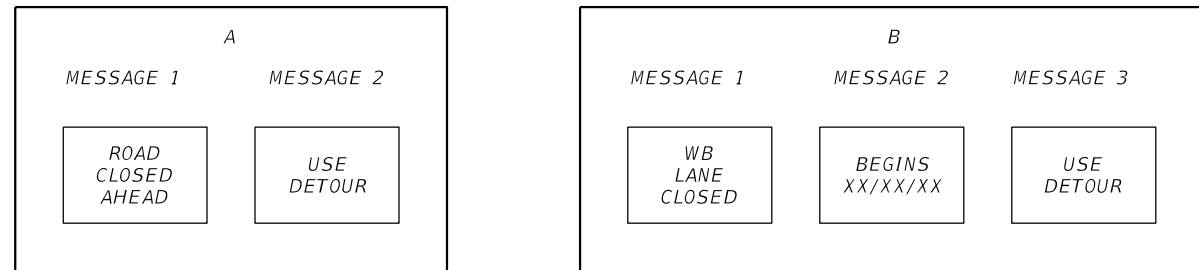
CROSS SECTIONS

SHEET NO.
 54

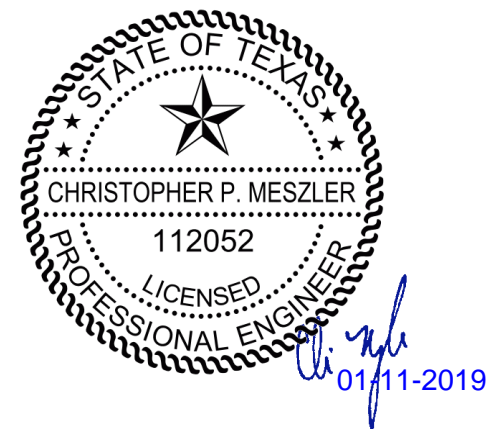
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 OR BLAST - STOP CALL
 TEXAS ONE CALL SYSTEM
 1-800-DIG-1-55

TEMPORARY TRAFFIC CONTROL GENERAL NOTES

1. ONE LANE, EASTBOUND SHALL BE MAINTAINED OPEN AT ALL TIMES. WESTBOUND MAY BE DETOURED AS SHOWN IN THE TRAFFIC CONTROL PLANS.
2. THE CONTRACTOR SHALL NOT COMMENCE WORK ON THE ROADWAY BEFORE 7:00 AM AND SHALL ARRANGE HIS WORK SO THAT NO MACHINERY OR EQUIPMENT SHALL BE CLOSER THAN 20 FEET TO THE TRAVELED ROADWAY AFTER SUNSET EXCEPT WHEN APPROVED BY THE ENGINEER. UNLESS OTHERWISE APPROVED BY THE CITY, WORKING HOURS SHALL BE 7AM-7PM MON.-FRI. AND 8AM-7PM ON SATURDAYS. NO WORK SHALL BE DONE ON CITY HOLIDAYS OR SUNDAYS.
3. THE REGULATORY SPEED LIMIT ESTABLISHED WITHIN WORK ZONE TRAVEL WAYS SHALL BE 15 M.P.H. REDUCED SPEED AND REGULATORY SPEED SIGNS SHALL BE INSTALLED ON SEPARATE POSTS IN ACCORDANCE WITH THE TXDOT STANDARDS.
4. A PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) SHALL BE USED UNDER THE FOLLOWING CONDITIONS:
 CONDITION 1: TWO WEEKS PRIOR TO CONSTRUCTION, INSTALL ONE PCMS IN ADVANCE OF THE PROJECT.
 CONDITION 2: DURING CONSTRUCTION, INSTALL ONE PCMS IN ADVANCE OF ANY PROPOSED LANE CLOSURE.



5. ANY DROP- OFF CONDITION REMAINING IN THE WORK ZONE GREATER THAN 6 IN, ANY TIME ACTIVE CONSTRUCTION CEASES, SHALL BE BACK FILLED AT A 1:4 SLOPE OR FLATTER, OR COVERED AND SECURED BY STEEL PLATE.
6. ANY CHANGES TO TRAFFIC CONTROL PLANS REQUIRE PRIOR APPROVAL FROM THE ENGINEER.
7. THE CONTRACTOR MAY EXCAVATE THE PROPOSED ROADWAY FULL WIDTH ONLY WITH THE PRIOR APPROVAL OF THE ENGINEER. THERE SHALL BE NO ADDITIONAL EXPENSE TO THE CITY FOR ANY ADDITIONAL MATERIAL NECESSARY DUE TO THE FULL WIDTH EXCAVATION TO MAINTAIN ACCESS FOR EMERGENCY AND LOCAL TRAFFIC.
8. CONTRACTOR SHALL NOTIFY THE CITY AND EMERGENCY SERVICES OF COMPLETE ROAD CLOSURES AND ALL DETOURS AT LEAST ONE WEEK PRIOR TO CLOSURE OR DETOUR.
9. PAYMENT FOR THE SATISFACTORY COMPLETION OF ALL WORK FOR THE INSTALLATION, MAINTENANCE, REMOVAL OF ALL THE TRAFFIC CONTROLS IMPLEMENTED WILL BE MADE AS A LUMP SUM. TRAFFIC CONTROL LUMP SUM PAYMENT SHALL INCLUDE REMOVAL, INSTALLATION AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES (WARNING SIGNS, BARRICADES, FLAG MEN, ARROW BOARD, TEMPORARY PAVEMENT MARKINGS FOR DETOUR (IF APPLICABLE) AND ANY OTHER TRAFFIC CONTROL MEASURES IMPLEMENTED AS DIRECTED BY THE ENGINEER TO MAINTAIN THE NECESSARY TRAFFIC LANES THROUGH THE PROJECT. THE CONTRACTOR SHALL FURNISH ALL MATERIALS FOR INSTALLATION, LABOR AND EQUIPMENT NECESSARY TO CONSTRUCT AND MAINTAIN TRAFFIC CONTROL FOR THE DURATION OF THE PROJECT OR THE PERIOD OF TIME THAT THE ENGINEER DEEMS NECESSARY FOR THE SAFETY OF THE TRAVELING PUBLIC.
10. ALL BARRICADES AND WARNING SIGNS WILL CONFORM TO THE "TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
11. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICABLE WHEN THEY ARE NO LONGER NEEDED.
12. IF CONSTRUCTION ACTIVITIES OR WORK ZONES WILL INTERRUPT USPS MAIL SERVICE ACCESS, CONTRACTOR SHALL PROVIDE TEMPORARY MAIL DELIVERY LOCATIONS OUTSIDE OF THE WORK ZONE. TEMPORARY MAIL BOXES AND LOCATIONS SHALL BE APPROVED BY THE LOCAL POST MASTER AND COORDINATED WITH PROPERTY OWNERS PRIOR TO THE DELIVERY ACCESS INTERRUPTION.
13. THE CONTRACTOR SHALL MAINTAIN TRASH COLLECTION SERVICE ACCESSABILITY OTHERWISE CONTRACTOR WILL HAVE TO COLLECT AND REMOVE TRASH ON NORMALLY SCHEDULED DAYS.
14. THE CONTRACTOR SHALL MAINTAIN DRIVEWAY ACCESS TO ALL PRIVATE PROPERTY AT ALL TIMES.
15. THE CONTRACTOR SHALL MAINTAIN ADEQUATE WIDTH AND ROADWAY STRUCTURE FOR EMERGENCY VEHICLE USE IN THE EASTBOUND DIRECTION AT ALL TIMES.
16. CULVERT CONSTRUCTION SHALL NOT CLOSE MORE THAN ONE DIRECTION OF TRAFFIC. ANY PROPOSED TEMPORARY PAVEMENT OR DIVERSIONS SHALL BE SUBMITTED FOR APPROVAL.



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REVISIONS	
DATE	DESCRIPTION



CHRISTOPHER P. MESZLER, P.E.
 LIC. No. 112052
 1903 CENTRAL DRIVE, SUITE #405
 BEDFORD, TX 76021
 PHONE: 817.618.3640
 TPBE REG. F-15243



BLONDY JHUNE RD. RECONST.
 CITY OF LUCAS
 PUBLIC WORKS DEPARTMENT
 665 COUNTRY CLUB ROAD
 LUCAS, TX. 75002

TRAFFIC CONTROL GENERAL NOTES

SHEET NO.
55

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