

TransCameron Pipeline Project

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TransCameron Pipeline Project

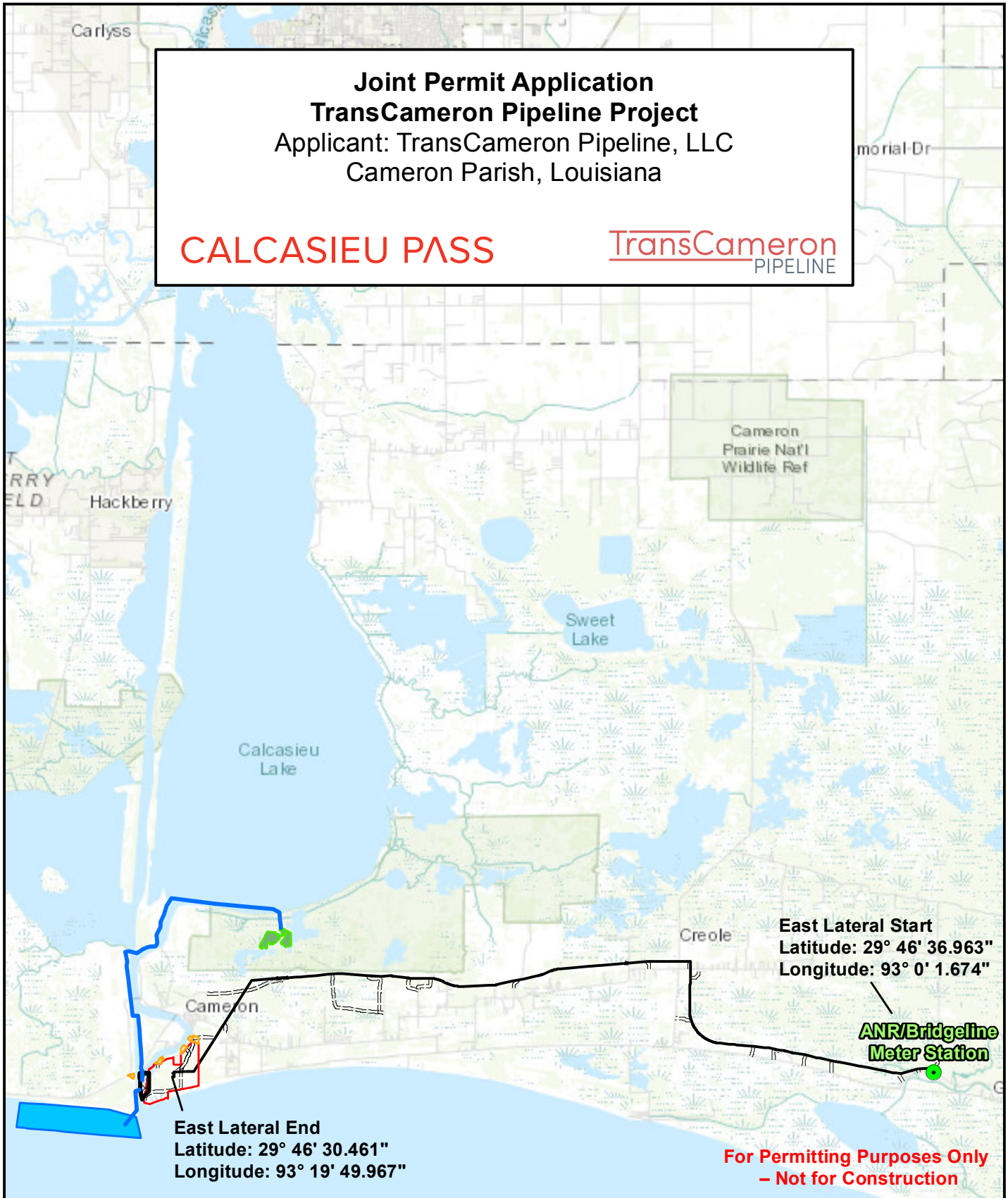
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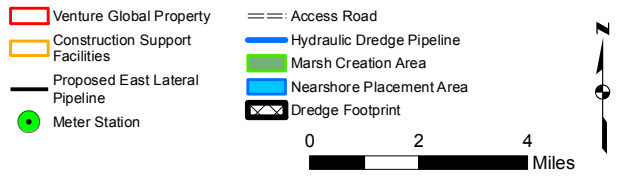
**Joint Permit Application
TransCameron Pipeline Project**
Applicant: TransCameron Pipeline, LLC
Cameron Parish, Louisiana

CALCASIEU PASS

TransCameron
PIPELINE



**For Permitting Purposes Only
– Not for Construction**



Project Vicinity Map
Calcasieu Pass Terminal and TransCameron Pipeline Project
Cameron Parish, Louisiana

CALCASIEU PASS

TransCameron
PIPELINE

General Notes:

1. Descriptions of the proposed work are provided in the Joint Permit Application Narrative.
2. Impact quantities are provided in the Joint Permit Application Narrative unless specifically shown on an individual Permit Drawing.
3. The Joint Permit Application Drawings contained herein are issued to accompany the Joint Permit Application Form and Joint Permit Application Narrative.
4. The Joint Permit Application Drawings contained herein are issued for permitting purposes, not for construction.
5. As-built drawings and/or plats shall have written on them the date of completion of said activities and shall be submitted to the Louisiana Department of Natural Resources, Office of Coastal Management, P. O. Box 44487, Baton Rouge, LA 70804-4487 within 30 days following project completion.
6. All structures built under the authorization and conditions of this permit shall be removed from the site within 120 days of abandonment of the facilities for the herein permitted use, or when these structures fall into a state of disrepair such that they can no longer function as intended. This condition does not preclude the necessity for revising the current permit or obtaining a separate Coastal Use Permit, should one be required, for such removal activities.
7. Structures must also be marked/lighted in accordance with U. S. Coast Guard regulations.
8. In order to ensure the safety of all parties, the permittee shall contact the Louisiana One Call System (1-800-272-3020) a minimum of 48 hours prior to the commencement of any excavation (digging, dredging, jetting, etc.) or demolition activity.
9. The work and features shown on the Permit Drawings are the responsibility of the Applicant as defined on the Joint Permit Application Form. The description of the work and features, including itemization and quantification of impacts, are contained in the Joint Permit Application Narrative, submitted with the application. The Joint Permit Application Narrative describes the work and features shown on the Permit Drawings herein as well as work and features to be performed by the Applicant's affiliated company. The Applicant's affiliated company has submitted an independent Joint Permit Application for the work and features it will perform. For the purposes of understanding the complete project, refer to the Joint Permit Application Narrative. Application materials submitted and correspondence pertaining to the work and features to be performed by the Applicant's affiliated company are available under the permit application file of the affiliated company with the LDNR and USACE.

General Notes

Calcasieu Pass Terminal and TransCameron Pipeline Project
Cameron Parish, Louisiana

TransCameron
PIPELINE

CALCASIEU PASS

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DRAWN BY: JSnyder

TABLE A																	
Calcasieu Pass Terminal and TransCameron Pipeline Project																	
Step 10 Supplemental Sheet Quantities Summary for the Pipeline System																	
Element ^a	Impact Area (acres) ^b						Percent of Facility within wetland and/or waters (%)	Excavated & Placed Onsite	Excavated & Hauled Offsite	Fill placed onsite (cubic yards) ^d							
	Wetlands		Waters		Total Acreage ^c					Concrete	Crushed Stone		Sand	Timber Mats ^e	Asphalt	Total	Total Fill in wetland / waters ^f
	Temporary Impacts	Permanent Impacts	Temporary Impacts	Permanent Impacts	Temporary Impacts	Permanent Impacts					Temporary ^g	Permanent					
Permanent Above Ground Facilities	0.00	1.30	0.00	0.00	0.00	1.30	100	0	2,092	1,540	0	1,256	1,048	0	0	3,844	3,844
Permanent Access Roads	0.00	0.08	0.00	<0.01	0.00	0.25	32	0	0	0	0	205	44	0	0	249	80
Existing Crossing at Oilfield Road	0.00	0.00	0.04	0.00	0.11	0.00	36	0	0	0	0	100	0	137	30	267	159
Pipeline Alignment	231.18	0.00	23.77	0.00	282.13	0.00	90	873,641 ^h	14,850	0	0	0	0	0	0	0	0
Additional Temporary Work Space	68.81	0.00	4.73	0.00	75.23	0.00	98	0	0	0	0	0	0	84,973	0	84,973	84,973
Temporary Access Roads	3.79	0.00	0.01	0.00	9.71	0.00	39	0	0	0	49	0	0	13,741	0	13,790	13,760
Temporary Contractor Yards	6.13	0.00	0.02	0.00	9.82	0.00	63	0	0	0	560	0	0	0	0	560	353
Subtotal	309.91	1.38	28.57	<0.01	377.00	1.55		873,641	16,942	1,540	609	1,561	1,092	98,851	30	103,683	103,168

^a The work areas / elements identified above are described in the JPA Narrative and shown on the JPA Permit Drawings.
^b The acreages in this table have been rounded for presentation purposes. As a result, the totals may not reflect the exact sum of the addends in all cases.
^c The acreage associated with the Pipeline System is 378.55 acres, of which 18.06 acres will be undisturbed due to avoidance by HDD. Of the undisturbed acres, about 16.34 acres are mapped as wetlands and waters.
^d Fill quantities presented reflective of LDNR JPA Form Step 10 and represent material quantities placed on lands regardless of whether uplands, wetlands, or waterbodies.
^e Timber Mats and crushed stone associated with temporary access roads and contractor yards are a temporary fill.
^f Amount of fill in wetland/waters was calculated by using the percent of the facility that is wetland/waters, and the volume of fill associated with the facility with the exception of timber mats which are expected to be used in wetlands/waters only.
^g Native materials excavated from the pipeline trench will be temporarily placed onsite (873,641 cubic yards) and are not included in the fill quantities.

TABLE B							
Summary of the Excavation, Fill, and Acreages Associated with the Pipeline System							
		Volume (cubic Yards)	Volume of Fill Placed within wetland/waters (cubic yards)	Wetland/Waters (Acres)	All Lands (Acres)	Total Acres associated with excavation and/or fill	
						Wetland/Waters (Acres)	All Lands (Acres)
Excavation	Placed Onsite	873,641 ^a		254.90	283.91		
	Hauled Away	16,942 ^b	N/A				
	Total	890,583		254.90	283.91	339.86	378.55
Fill	Temporary	99,460 ^c	99,223	83.58	93.09		
	Permanent	4,223 ^d	3,945	1.38	1.55		
	Total	103,683	103,168	84.96	94.64		

^a Native materials excavated from the pipeline trench will be temporarily placed onsite (873,641 cubic yards) and are not included in the fill quantities.
^b Of the 16,942 cubic yards of material excavated and hauled offsite, 14,850 cubic yards is material removed during the HDD process.
^c Temporary fill associated with the Pipeline System include timber mats and crushed stone that will be removed following construction.
^d Permanent fill associated with the Pipeline System include crushed stone and sand in addition to concrete and asphalt.

Revised August 18, 2017

TRANSCAMERON PIPELINE

CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH, LOUISIANA

LEGEND	
	42" PROPOSED PIPELINE
	PROPOSED EASEMENT
	TEMPORARY WORKSPACE
	ADDITIONAL TEMPORARY WORKSPACE
	PROPERTY LINE
	FENCE
	WATER'S EDGE
	FOREIGN PIPELINE
	OH POWER LINE
	TELEPHONE LINE
	FIBER OPTIC LINE
	GUARD RAIL
	POWER POLE
	GUY WIRE
	CABLE PEDESTAL
	CULVERT
	RISER
	VENT
	WELL
	VALVE
	HYDRANT
	SIGN
	WETLANDS
	WATERBODY

SHEET NO.	DRAWING NUMBER	REV.	TITLE
1A	TCPPM001A	G	COVER SHEET
1	TCPPM0000	C	COORDINATE SHEET
2	TCPPM0000	E	SHEET LOCATION PLAN
3A	TCPPM001A		ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 0.0 TO M.P. 0.8
3	TCPPM0000	C	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 0.0 TO M.P. 0.1
4A	TCPPM001A		ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 0.8 TO M.P. 1.7
4	TCPPM0000	C	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 0.8 TO M.P. 1.0
5	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 1.7 TO M.P. 2.7
6	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 2.7 TO M.P. 3.7
7	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 3.7 TO M.P. 4.6
8	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 4.6 TO M.P. 5.6
9	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 5.6 TO M.P. 6.5
10	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 6.5 TO M.P. 7.5
11A	TCPPM001A		ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 7.5 TO M.P. 8.5
11	TCPPM0000	C	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 8.0 TO M.P. 8.3
12	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 8.5 TO M.P. 9.4
13	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 9.4 TO M.P. 10.4
14	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 10.4 TO M.P. 11.4
15	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 11.4 TO M.P. 12.3
16	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 12.3 TO M.P. 13.3
17	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 13.3 TO M.P. 14.3
18	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 14.3 TO M.P. 15.2
19	TCPPM0000		ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 15.2 TO M.P. 16.2
20	TCPPM0000		ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 16.2 TO M.P. 17.1
21	TCPPM0000		ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 17.1 TO M.P. 18.1
22	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 18.1 TO M.P. 19.1
23	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 19.1 TO M.P. 20.1
24	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 20.1 TO M.P. 21.1
25	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 21.1 TO M.P. 22.0
26	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 22.0 TO M.P. 22.9
27	TCPPM0000	E	ALIGNMENT SHEET, PROPOSED EAST LATERAL PIPELINE M.P. 22.9 TO M.P. 23.5

PREPARED BY: EN Engineering 28100 TORCH PKWY. WARRENVILLE, IL. 60555 TEL. 630-353-4000 FAX. 630-353-7777 WWW.ENENGINEERING.COM	G 10/31/17 TCB REVISED TEXT SIZE IN TITLE BLOCK NP -	DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.	COVER SHEET 42" NATURAL GAS PIPELINE - EAST LATERAL CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT
	F 08/26/16 TCB REVISED PER COMMENTS; RE-ISSUED FOR PERMIT NP - E 02/29/16 RL REVISED PER COMMENTS; RE-ISSUED FOR PERMIT TB DK D 08/27/15 CNW REVISED PER COMMENTS; RE-ISSUED FOR PERMIT TB - C 08/26/15 AS REVISED PER COMMENTS; RE-ISSUED FOR PERMIT TB -		
REVISIONS		CAMERON PARISH LOUISIANA	DATE: 08/07/15 SCALE: N/A DRAWN BY: AS DRAWING NUMBER: TCPLP-M-001A SHEET NO.: 1A REV: G

COORDINATE INFORMATION					
DESCRIPTION	NORTHING	EASTING	LATITUDE	LONGITUDE	
BEGIN STA.	468220.37	2751971.49	29.77693	N	93.00046488
MP.5	468737.35	2749884.36	29.77827	N	93.007067
MP1	468083.12	2747335.22	29.77637	N	93.01507135
MP1.5	468566.83	2744741.57	29.7776	N	93.02326858
MP2	469118.31	2742159.83	29.77901	N	93.03143164
MP2.5	469657.38	2739575.45	29.78038	N	93.03960264
MP3	470202.40	2736992.33	29.78178	N	93.04777022
MP3.5	470835.75	2734430.37	29.78341	N	93.05587547
MP4	471351.56	2731845.12	29.78472	N	93.06404885
MP4.5	471857.69	2729256.43	29.78601	N	93.0722328
MP5	472163.52	2726635.04	29.78674	N	93.0805104
MP5.5	472450.07	2724010.64	29.78742	N	93.08879668
MP6	472887.19	2721415.94	29.78851	N	93.09699675
MP6.5	474475.66	2719353.20	29.79279	N	93.10357626
MP7	476932.37	2718491.39	29.79951	N	93.10641277
MP7.5	479571.01	2718563.40	29.80676	N	93.10631448
MP8	482205.92	2718693.90	29.81401	N	93.106303157
MP8.5	483948.68	2717794.48	29.81877	N	93.10895259
MP9	483996.64	2715154.91	29.81879	N	93.11727783
MP9.5	484006.91	2712516.34	29.8187	N	93.12559809
MP10	483820.61	2709882.92	29.81808	N	93.13389234
MP10.5	483634.31	2707249.50	29.81745	N	93.14218649
MP11	483419.66	2704618.46	29.81675	N	93.15047159
MP11.5	483252.82	2701983.74	29.81617	N	93.15877061
MP12	482854.14	2699388.61	29.81496	N	93.166933
MP12.5	482091.84	2696868.23	29.81275	N	93.1748411
MP13	481564.33	2694281.47	29.81119	N	93.18297005

COORDINATE INFORMATION					
DESCRIPTION	NORTHING	EASTING	LATITUDE	LONGITUDE	
MP13.5	481056.96	2691691.05	29.80968	N	93.19111134
MP14	480971.68	2689053.40	29.80933	N	93.19942296
MP14.5	481019.06	2686418.46	29.80934	N	93.20773282
MP15	481933.38	2683953.46	29.81174	N	93.21555178
MP15.5	482160.57	2681333.78	29.81225	N	93.22382308
MP16	482370.97	2678706.89	29.81271	N	93.23211632
MP16.5	482519.60	2676077.23	29.813	N	93.24041511
MP17	482693.22	2673443.46	29.81335	N	93.24872826
MP17.5	482939.72	2670814.99	29.81391	N	93.25702858
MP18	482820.63	2668180.15	29.81346	N	93.26532966
MP18.5	482636.68	2665546.57	29.81283	N	93.27362323
MP19	482464.09	2662912.23	29.81223	N	93.28191971
MP19.5	482296.42	2660277.56	29.81165	N	93.29021738
MP20	481622.85	2657936.60	29.80969	N	93.29756158
MP20.5	479417.93	2656484.74	29.80356	N	93.30201953
MP21	477213.01	2655032.87	29.79743	N	93.30647692
MP21.5	475000.18	2653593.10	29.79127	N	93.31089519
MP22	472784.31	2652158.01	29.78511	N	93.31529803
MP22.5	470568.43	2650722.92	29.77895	N	93.31970032
MP23	469584.71	2648619.25	29.77615	N	93.32627669
MP23.5	467970.46	2647592.44	29.77166	N	93.32942422
EAST M&R STATION	468155.35	2751886.13	29.77675	N	93.00073094
MAINLINE VALVE	483729.48	2718709.01	29.8182	N	93.10605824
CONTRACTOR YARD	479947.41	2695214.54	29.80679	N	93.17994607
PERMANENT ACCESS ROAD 11	483706.94	2718674.56	29.81814	N	93.10616579
PERMANENT ACCESS ROAD 1	468059.99	2751762.96	29.77648	N	93.00111476
END STA.	2356120.53	13576299.27	30.84011	N	58.06580088

PREPARED BY: ENEngineering 28100 TORCH PKWY. WARRENVILLE, IL. 60555 TEL. 630-353-4000 FAX 630-353-7777 WWW.ENENGINEERING.COM	DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.	COORDINATE SHEET 42" NATURAL GAS PIPELINE - EAST LATERAL CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT																			
	CAMERON PARISH LOUISIANA DATE: 08/07/15 SCALE: N/A DRAWN BY: AS DRAWING NUMBER: TCPLL-M-001 SHEET NO: 1B REV: C	REVISIONS <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> <th>CK</th> <th>APP</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>10/31/17</td> <td>CNW</td> <td>REVISED PER COMMENTS; RE-ISSUED FOR PERMIT</td> <td>NP</td> <td>-</td> </tr> <tr> <td>B</td> <td>06/21/16</td> <td>RJL</td> <td>REVISED TITLEBLOCK FOR AMENDMENT</td> <td>TB</td> <td>DK</td> </tr> </tbody> </table>			REV	DATE	BY	DESCRIPTION	CK	APP	C	10/31/17	CNW	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	NP	-	B	06/21/16	RJL	REVISED TITLEBLOCK FOR AMENDMENT	TB
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CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

PROPOSED EAST LATERAL PIPELINE



GENERAL NOTES:

1. ALL INFORMATION SHOWN ON THE ALIGNMENT SHEET SETS IS BASED ON FIELD SURVEYS COMPLETED IN 2014 & 2015.
2. EXISTING UTILITIES LOCATED DURING FIELD SURVEY ARE SHOWN ON ALIGNMENT SHEETS. CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE LOCATIONS AND ELEVATIONS OF ALL EXISTING LINES FOR POSSIBLE INTERFERENCES BEFORE INSTALLING NEW PIPELINE.
3. IN ORDER TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITTEE SHALL CONTACT THE LOUISIANA ONE CALL SYSTEM (1-800-272-3020) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION (DIGGING, DREDGING, JETTING, ETC.) OR DEMOLITION ACTIVITY.
4. PROPOSED ALIGNMENT SHOWN IS NEW CONSTRUCTION ONLY & DOES NOT REFLECT ALIGNMENT OF EXISTING PIPING FACILITIES.
5. AT ALL STREAM CROSSINGS, ADDITIONAL TEMPORARY WORKSPACE IS TO BE LOCATED NO CLOSER THAN 50 FEET FROM THE TOP OF BANK ON EITHER SIDE.
6. FOR GENERAL CROSS COUNTRY PIPELINE INSTALLATION (EXCLUDING ROAD/STREAM CROSSINGS), CONTRACTOR SHALL MAINTAIN A MINIMUM OF THREE (3) FEET OF COVER.
7. ALL STRUCTURES BUILT UNDER THE AUTHORIZATION AND CONDITIONS OF THIS PERMIT SHALL BE REMOVED FROM THE SITE WITHIN 120 DAYS OF ABANDONMENT OF THE FACILITIES FOR THE HEREIN PERMITTED USE, OR WHEN THESE STRUCTURES FALL INTO A STATE OF DISREPAIR SUCH THAT THEY CAN NO LONGER FUNCTION AS INTENDED. THIS CONDITION DOES NOT PRECLUDE THE NECESSITY FOR REVISING THE CURRENT PERMIT OR OBTAINING A SEPARATE COSTAL USE PERMIT, SHOULD ONE BE REQUIRED, FOR SUCH REMOVAL ACTIVITIES.
8. STRUCTURES MUST ALSO BE MARKED/LIGHTED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.
9. AS-BUILT DRAWINGS AND/OR PLATS SHALL HAVE WRITTEN ON THEM THE DATE OF COMPLETION OF SAID ACTIVITIES AND SHALL BE SUBMITTED TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, OFFICE OF COSTAL MANAGEMENT, P.O. BOX 44487, BATON ROUGE, LA 70804-4487 WITHIN 30 DAYS FOLLOWING PROJECT COMPLETION.

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E	10/31/17	TCB	REVISED TEXT SIZE IN TITLE BLOCK	NP	-
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DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

CAMERON PARISH		LOUISIANA	
DATE:	SCALE:	DRAWN BY:	DRAWING NUMBER:
08/07/15	NTS	AS	TCPPL-M-100
SHEET NO:	2	REV:	E

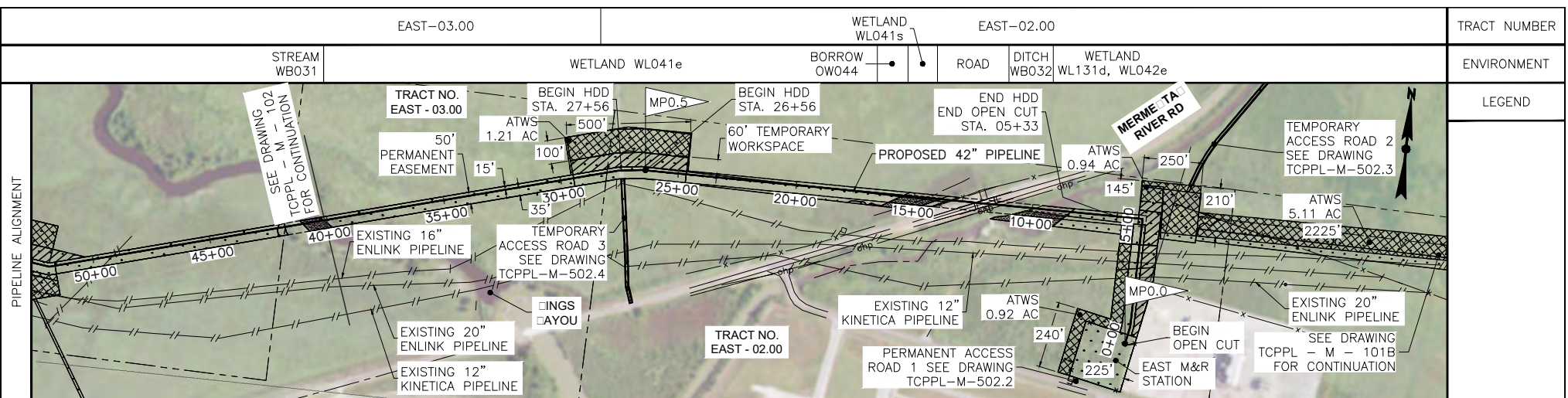
REVISIONS

SHEET LOCATION PLAN 42" NATURAL GAS PIPELINE - EAST LATERAL CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

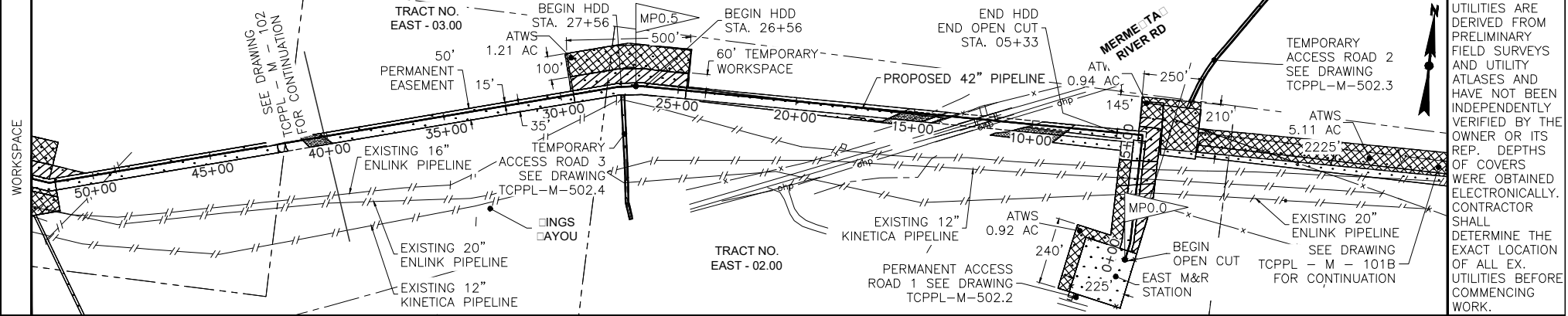
TransCameron Pipeline

Sheet 8

November 2017



CROSSING INFO.	PIPELINE ALIGNMENT	TRACT NUMBER	ENVIRONMENT	LEGEND
<p>40+14 STREAM EDGE</p> <p>28+32 PROP LINE</p> <p>15+46 WILD BNDRY</p> <p>15+44 BORROW</p> <p>14+44 BORROW</p> <p>13+36 WILD BNDRY</p> <p>13+36 BORROW</p> <p>12+37 FENCE LINE</p> <p>12+30 ASPHALT EDGE</p> <p>12+04 MERMENAU RIVER RD</p> <p>11+88 ASPHALT EDGE</p> <p>11+88 OUT POWER LINE</p> <p>9+88 DITCH EDGE</p> <p>8+36 DITCH BNDRY</p> <p>8+36 WILD BNDRY</p> <p>3+90 16" ENLINK PL</p> <p>2+83 20" ENLINK PL</p>	<p>STREAM WB031</p> <p>WETLAND WL041e</p> <p>BORROW OW044</p> <p>ROAD</p> <p>DITCH WB032</p> <p>WETLAND WL131d, WL042e</p>	<p>EAST-03.00</p> <p>EAST-02.00</p>	<p>WETLAND</p> <p>BORROW</p> <p>ROAD</p> <p>DITCH</p> <p>WETLAND</p>	<p>PIPELINE ALIGNMENT</p> <p>PERMANENT EASEMENT</p> <p>ATWS</p> <p>TEMPORARY ACCESS ROAD</p> <p>EXISTING ENLINK PIPELINE</p> <p>EXISTING KINETICA PIPELINE</p> <p>PROPOSED 42" PIPELINE</p> <p>EXISTING ENLINK PIPELINE</p> <p>EXISTING KINETICA PIPELINE</p> <p>PERMANENT ACCESS ROAD</p> <p>TEMPORARY ACCESS ROAD</p> <p>ENLINK PL</p> <p>KINETICA PL</p>



NOTE:
THE LOCATIONS OF EX. UNDERGROUND UTILITIES ARE DERIVED FROM PRELIMINARY FIELD SURVEYS AND UTILITY ATLASES AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REP. DEPTHS OF COVERS WERE OBTAINED ELECTRONICALLY. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EX. UTILITIES BEFORE COMMENCING WORK.

PIPE	COATING

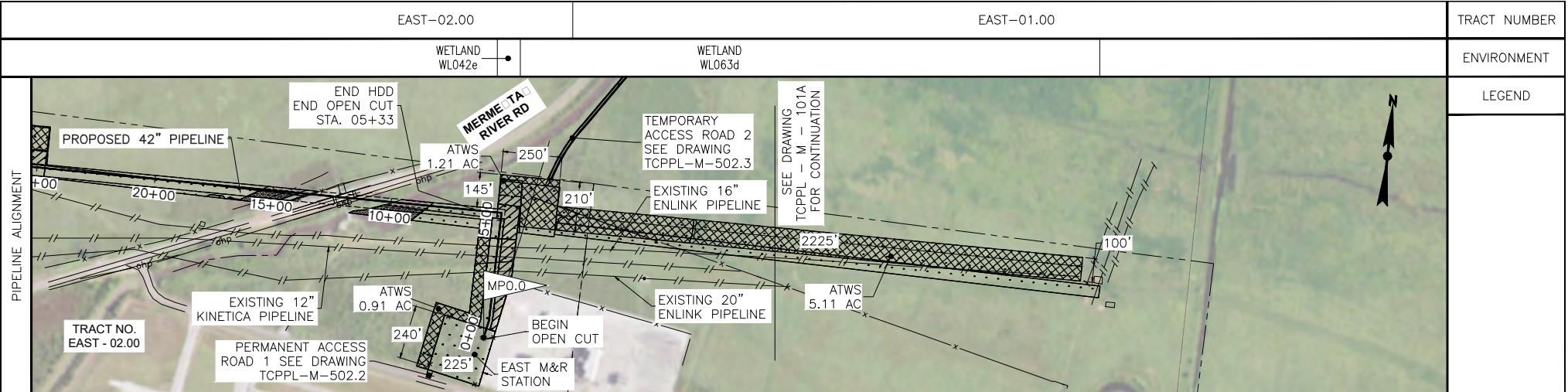
PIPELINE MATERIAL SUMMARY

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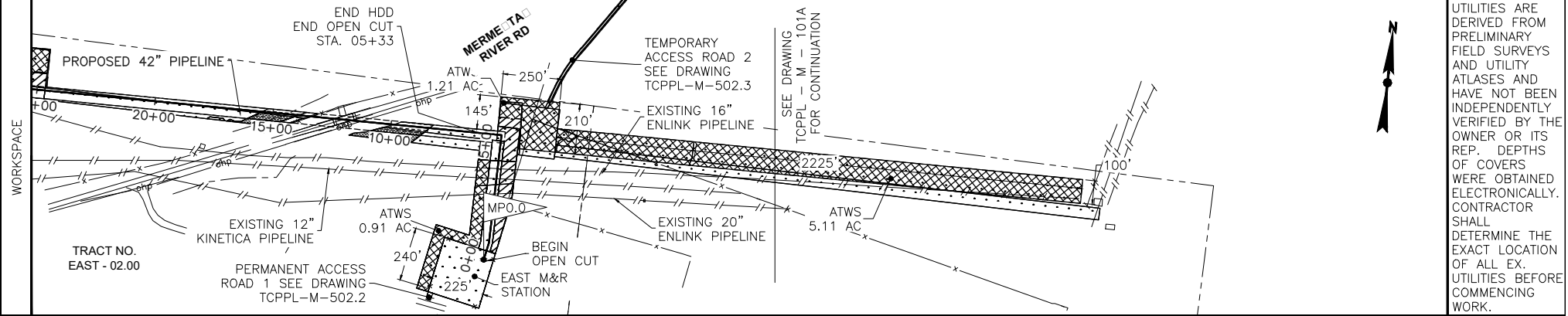
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B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

<p>42" NATURAL GAS PIPELINE PROPOSED EAST LATERAL PIPELINE - MILEPOST 0.0 TO 0.8 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT</p>			
CAMERON PARISH	LOUISIANA		
DATE: 07/07/15	SCALE: NTS	DRAWN BY: CNW	DRAWING NUMBER: TCPL-M-101A
SHEET NO: 3A	REV: F		



DRAWING TO SHOW LIMITS OF ATWS FOR HDD PULLBACK AND THE ENVIRONMENT IT CROSSES. FOR ADDITIONAL INFORMATION ON THE ACTUAL PIPELINE ALIGNMENT OR MERMENTAU RIVER ROAD HDD REFER TO DRAWINGS TCPPL-M-101A AND TCPPL-M-200



PIPE	COATING

PIPELINE MATERIAL SUMMARY

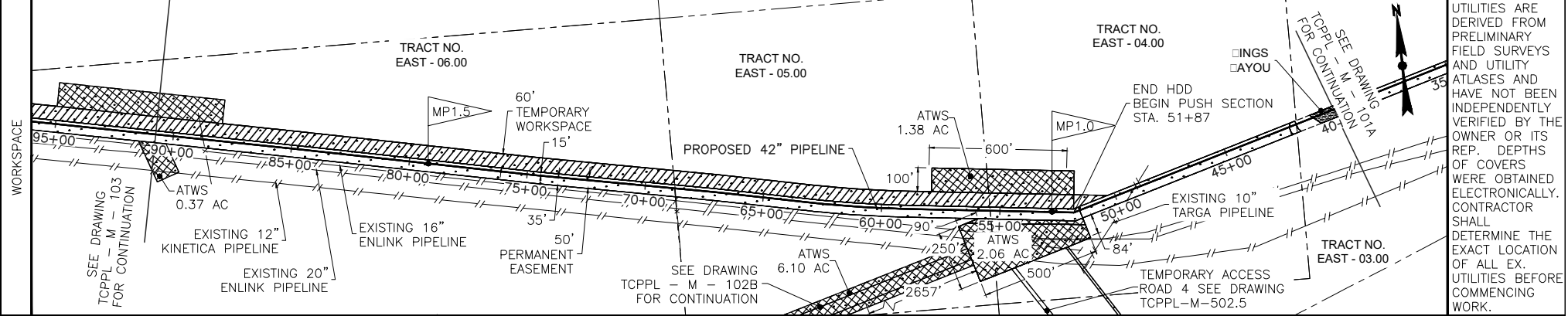
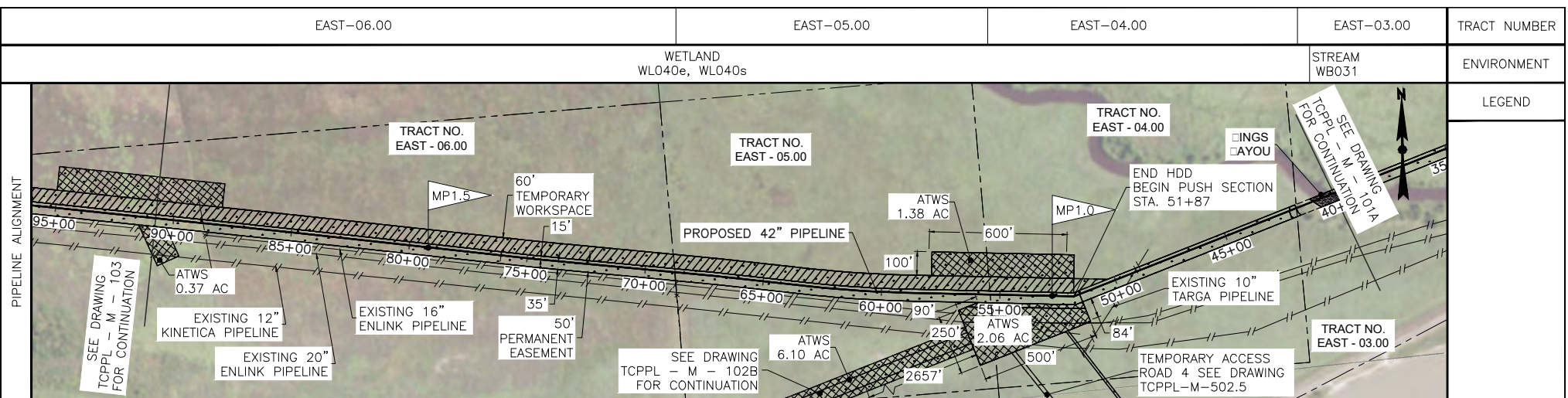
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CAMERON PARISH, LOUISIANA	
DATE: 07/07/15	SCALE: NTS
DRAWN BY: CNW	DRAWING NUMBER: TCPPL-M-101
SHEET NO: 3B	REV: c

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PIPE	COATING

PIPELINE MATERIAL SUMMARY

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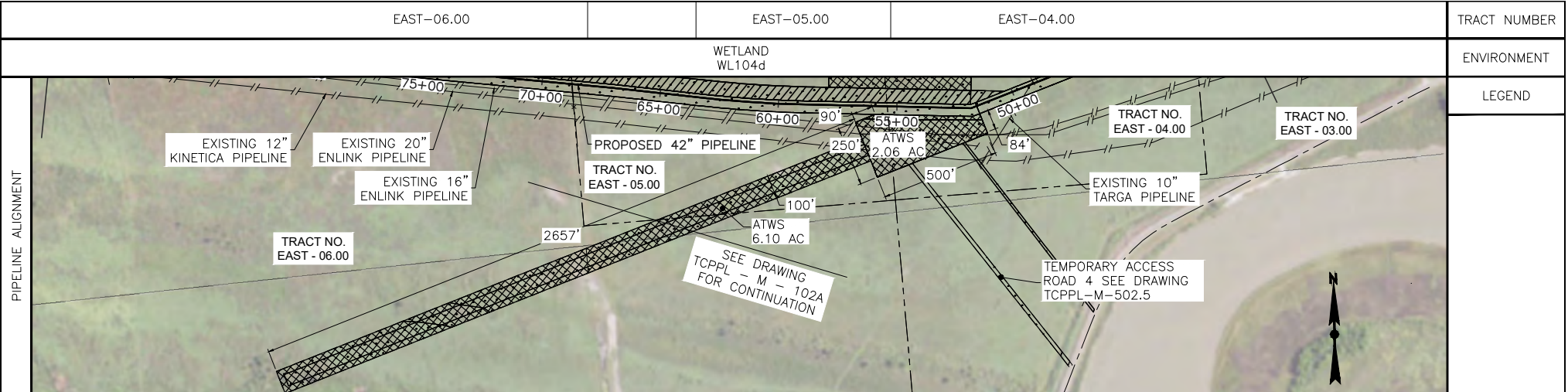
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CAMERON PARISH, LOUISIANA	
DATE: 07/07/15	SCALE: NTS
DRAWN BY: CNW	DRAWING NUMBER: TCPPL-M-102A
SHEET NO: 4A	REV: F

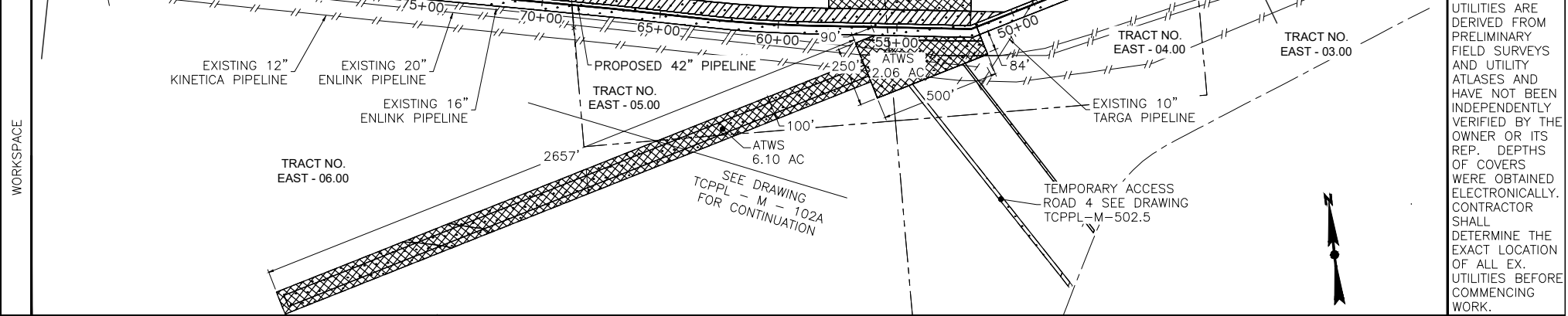
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Sheet 12

November 2017



CROSSING INFO.



TRACT NUMBER

ENVIRONMENT

LEGEND

NOTE:
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PIPE	COATING

PIPELINE MATERIAL SUMMARY

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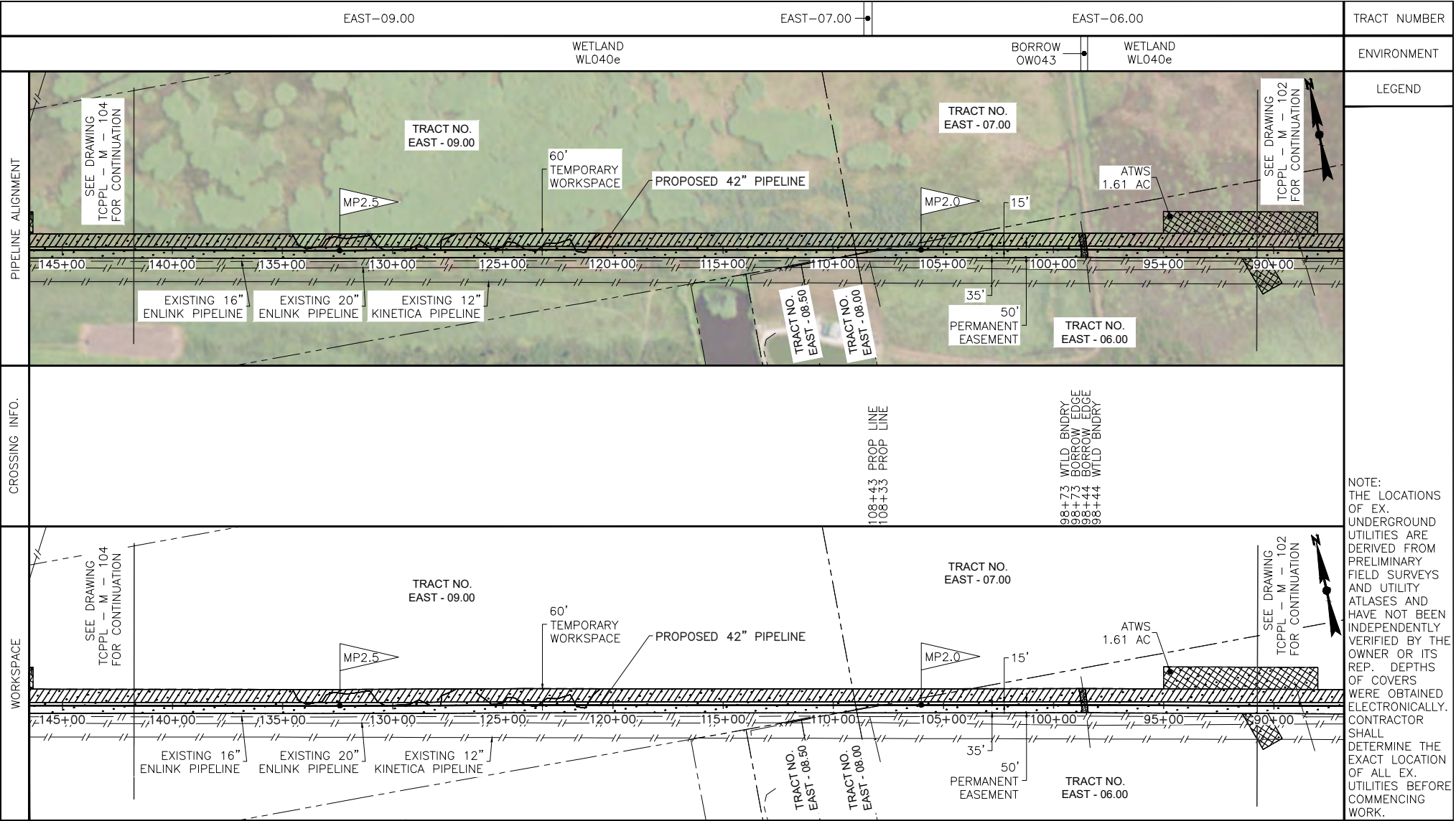
REV	DATE	BY	DESCRIPTION
C	10/31/17	TCB	REVISED TEXT SIZE IN TITLE BLOCK
B	02/29/16	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

42" NATURAL GAS PIPELINE PROPOSED EAST LATERAL PIPELINE - MILEPOST 0.8 TO 1.0 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH, LOUISIANA

DATE: 07/07/15	SCALE: NTS	DRAWN BY: CNW	DRAWING NUMBER: TCPPL-M-102	SHEET NO: 4B	REV: c
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NOTE:
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PIPE	COATING

PIPELINE MATERIAL SUMMARY

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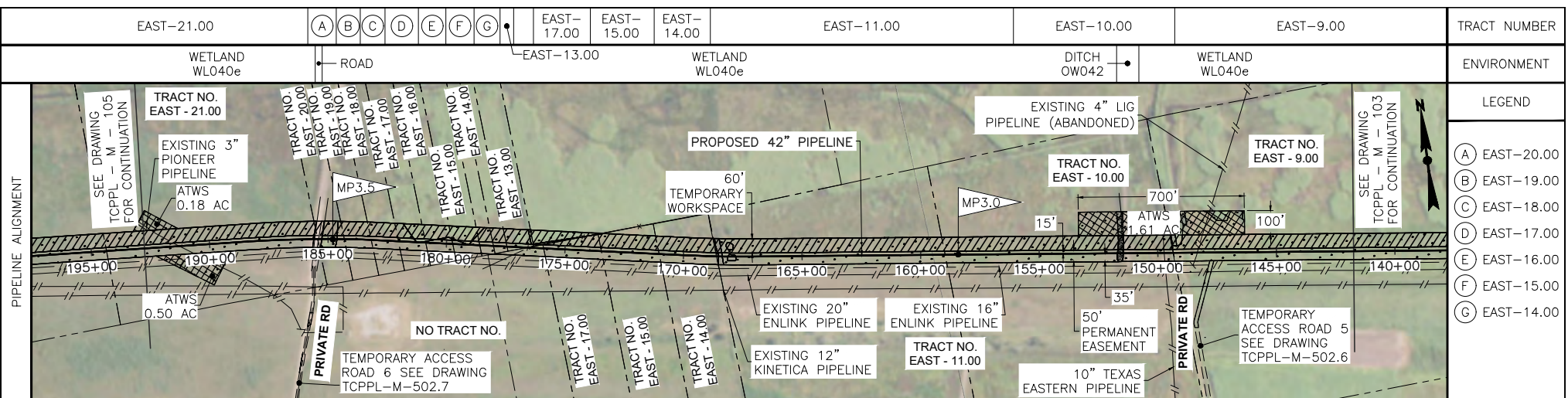
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DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

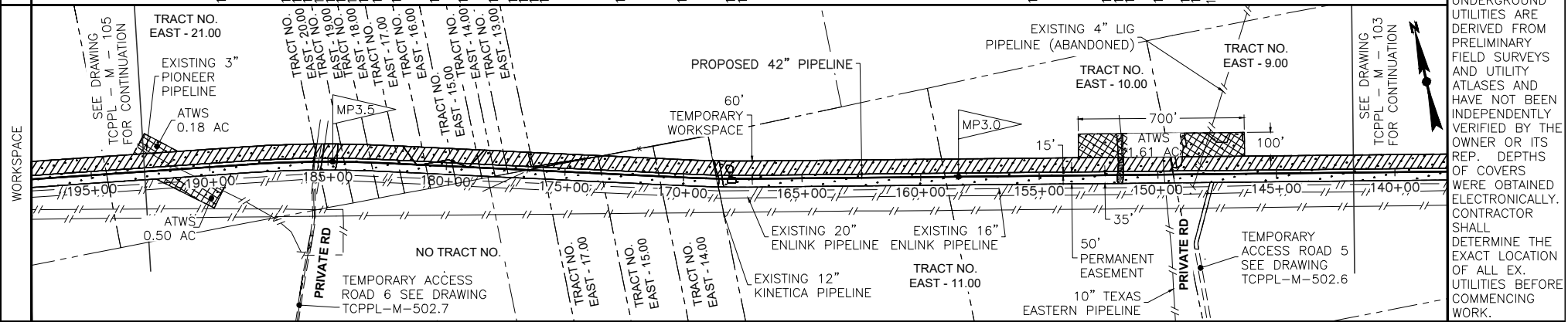
42" NATURAL GAS PIPELINE PROPOSED EAST LATERAL PIPELINE - MILEPOST 1.7 TO 2.7 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH, LOUISIANA

DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-103 SHEET NO: 5 REV: E



CROSSING INFO.	STATIONING	DESCRIPTION
	191+27	3" PIONEER PL
	185+86	PROP LINE
	185+60	W/ILD BNDRY
	185+56	GRAVEL EDGE
	185+39	GRAVEL RD
	185+27	W/ILD BNDRY
	185+25	GRAVEL EDGE
	183+26	DITCH
	184+66	PROP LINE
	183+66	PROP LINE
	182+61	PROP LINE
	181+20	PROP LINE
	180+04	PROP LINE
	178+85	PROP LINE
	177+79	PROP LINE
	176+52	FENCE LINE
	176+34	PROP LINE
	173+46	PROP LINE
	171+24	PROP LINE
	168+86	PROP LINE
	168+61	FENCE LINE
	156+09	PROP LINE
	151+70	W/ILD BNDRY
	151+47	DITCH EDGE
	151+46	W/ILD BNDRY
	149+73	10" TEXAS
	149+35	EASTERN PL
	149+29	FENCE LINE
	148+34	4" LIG PL
		(ABANDONED)



PIPE	COATING

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B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPIC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

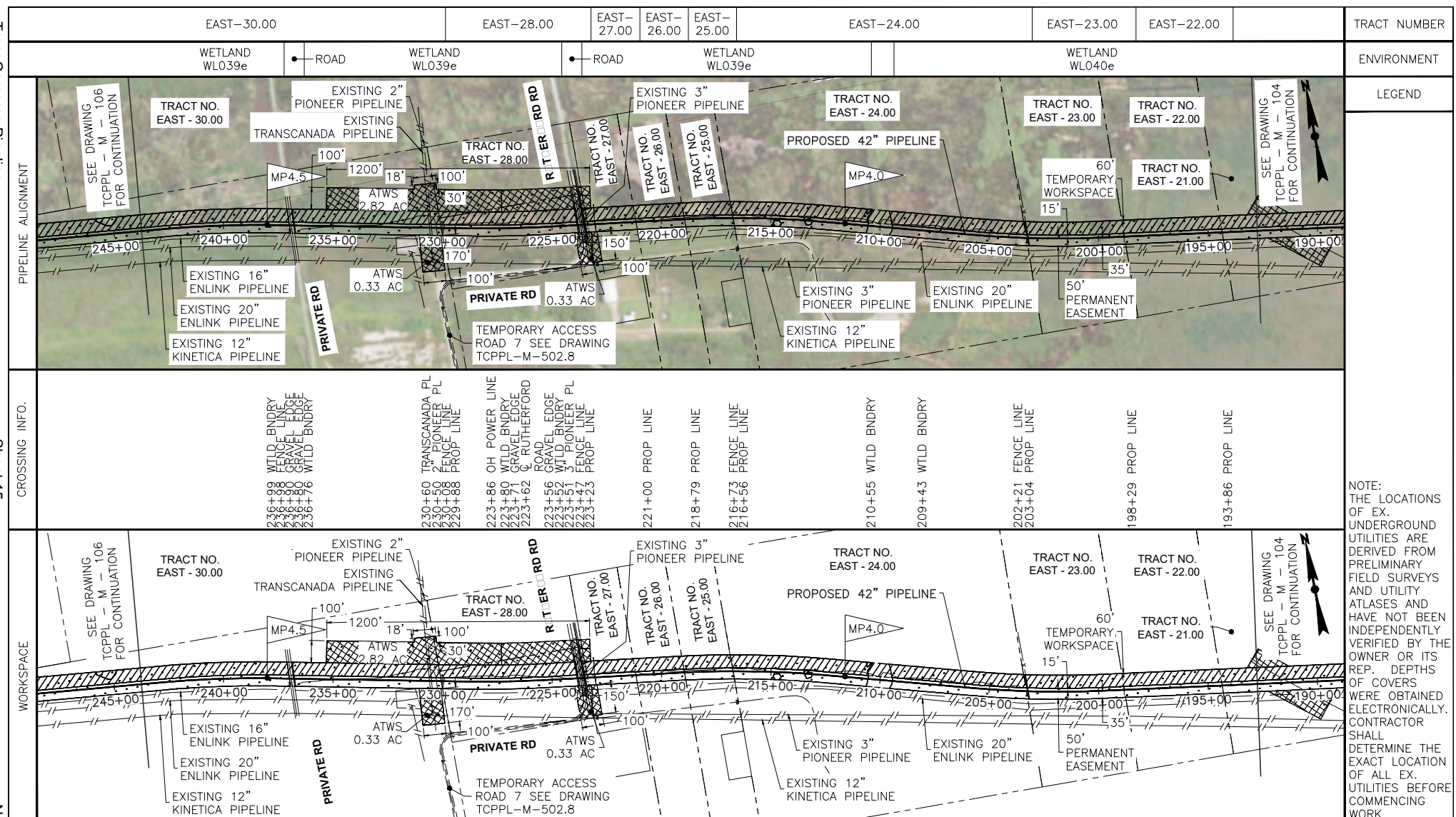
**42" NATURAL GAS PIPELINE
 PROPOSED EAST LATERAL PIPELINE -
 MILEPOST 2.7 TO 3.7
 CALCASIEU PASS TERMINAL AND
 TRASCAMERON PIPELINE PROJECT**

CAMERON PARISH, LOUISIANA

DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-104 SHEET NO: 6 REV: E

- LEGEND**
- (A) EAST-20.00
 - (B) EAST-19.00
 - (C) EAST-18.00
 - (D) EAST-17.00
 - (E) EAST-16.00
 - (F) EAST-15.00
 - (G) EAST-14.00

NOTE:
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PIPE	COATING

PIPELINE MATERIAL SUMMARY

PREPARED BY:
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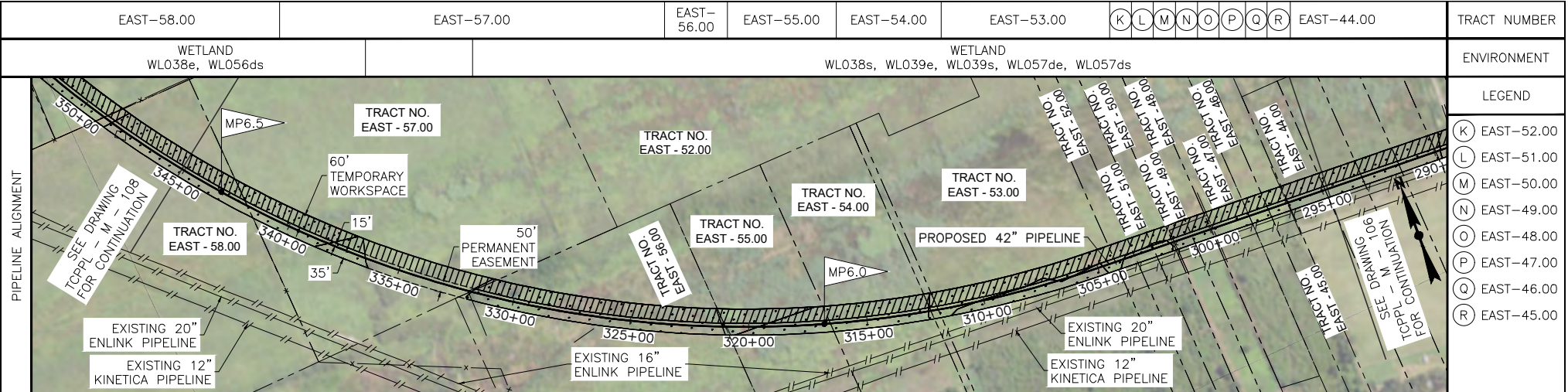
REVISIONS

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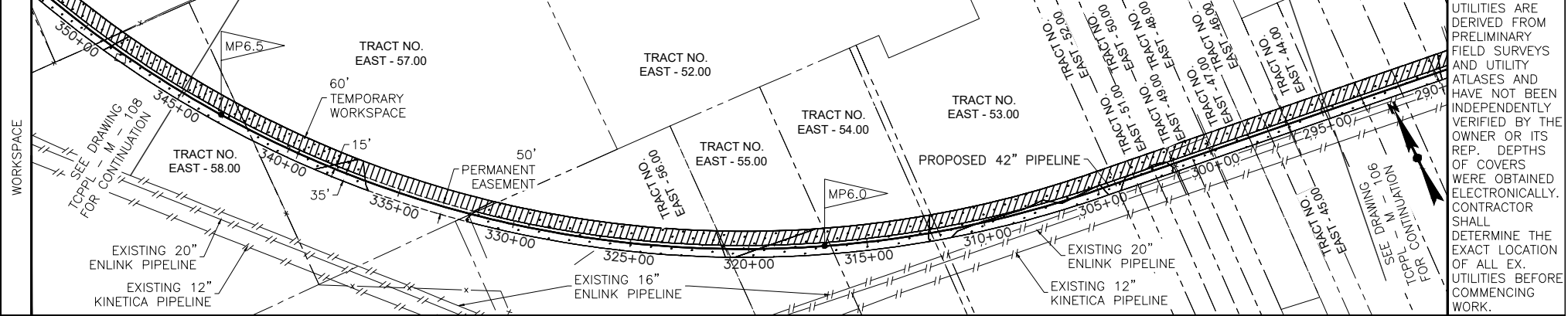
42" NATURAL GAS PIPELINE PROPOSED EAST LATERAL PIPELINE - MILEPOST 3.7 TO 4.6 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH LOUISIANA

DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-105 SHEET NO: 7 REV: E



CROSSING INFO.	PROPOSED 42" PIPELINE
341+403 PROP LINE	304+24 PROP LINE
336+50 WTLD BNDRY	303+35 PROP LINE
331+93 FENCE LINE	302+42 PROP LINE
331+81 WTLD BNDRY	301+59 FENCE LINE
	301+56 PROP LINE
	300+46 PROP LINE
	299+47 FENCE LINE
	299+84 PROP LINE
	298+33 PROP LINE
	297+45 PROP LINE
	296+56 FENCE LINE
	296+421 PROP LINE



- LEGEND**
- (K) EAST-52.00
 - (L) EAST-51.00
 - (M) EAST-50.00
 - (N) EAST-49.00
 - (O) EAST-48.00
 - (P) EAST-47.00
 - (Q) EAST-46.00
 - (R) EAST-45.00

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PIPE	COATING

PIPELINE MATERIAL SUMMARY

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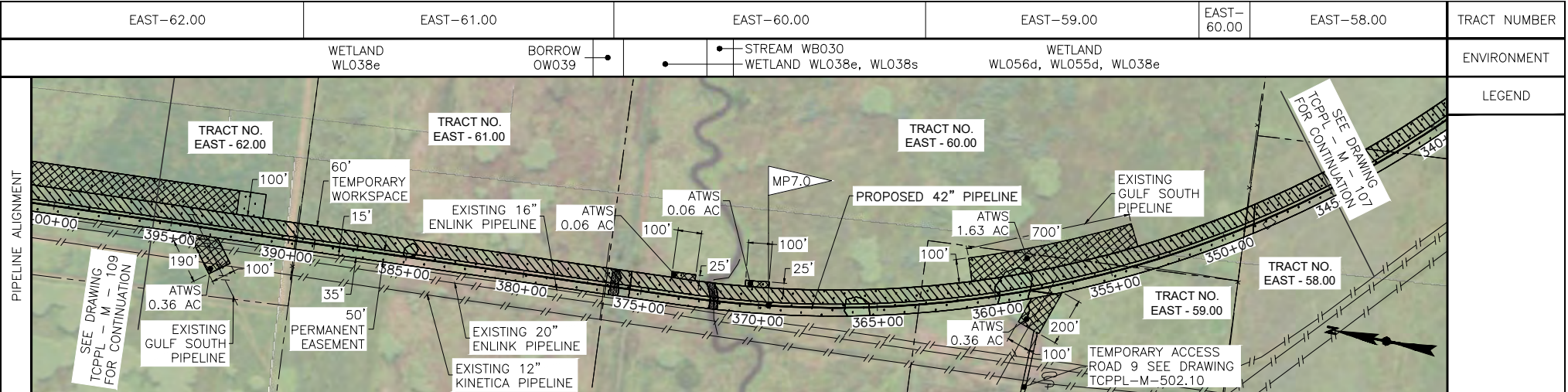
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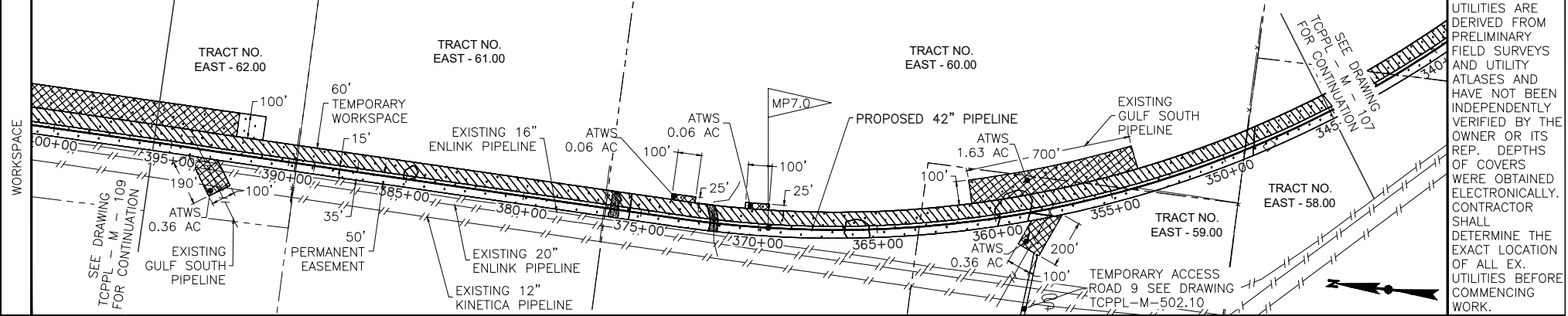
**42" NATURAL GAS PIPELINE
 PROPOSED EAST LATERAL PIPELINE -
 MILEPOST 5.6 TO 6.5
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH, LOUISIANA

DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-107 SHEET NO: 9 REV: E



CROSSING INFO.	PIPELINE ALIGNMENT
393+84 GULF SOUTH PL	
389+72 FENCE LINE 389+37 PROP. LINE	
376+57 FENCE LINE 376+38 WILD BNDRY 376+38 BORROW EDGE 376+16 PROP. LINE 376+11 C. BORROW 375+57 BORROW EDGE 375+87 WILD BNDRY	
372+08 WILD BNDRY 372+08 STREAM EDGE 371+91 C. STREAM 371+69 STREAM EDGE 371+69 WILD BNDRY	
362+87 PROP. LINE	
357+19 GULF SOUTH PL	
354+02 PROP. LINE	
349+07 FENCE LINE 348+62 PROP. LINE	



NOTE: THE LOCATIONS OF EX. UNDERGROUND UTILITIES ARE DERIVED FROM PRELIMINARY FIELD SURVEYS AND UTILITY ATLASES AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REP. DEPTHS OF COVERS WERE OBTAINED ELECTRONICALLY. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EX. UTILITIES BEFORE COMMENCING WORK.

PIPE	COATING

PIPELINE MATERIAL SUMMARY

PREPARED BY:
EN Engineering
 28100 TORCH PKWY.
 WARRENVILLE, IL. 60555
 TEL. 630-353-4000
 FAX 630-353-7777
 WWW.ENENGINEERING.COM

REV	DATE	BY	DESCRIPTION
E	10/31/17	TCB	REVISED TEXT SIZE IN TITLE BLOCK
D	02/29/16	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT
C	08/26/15	TCB	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT
B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT

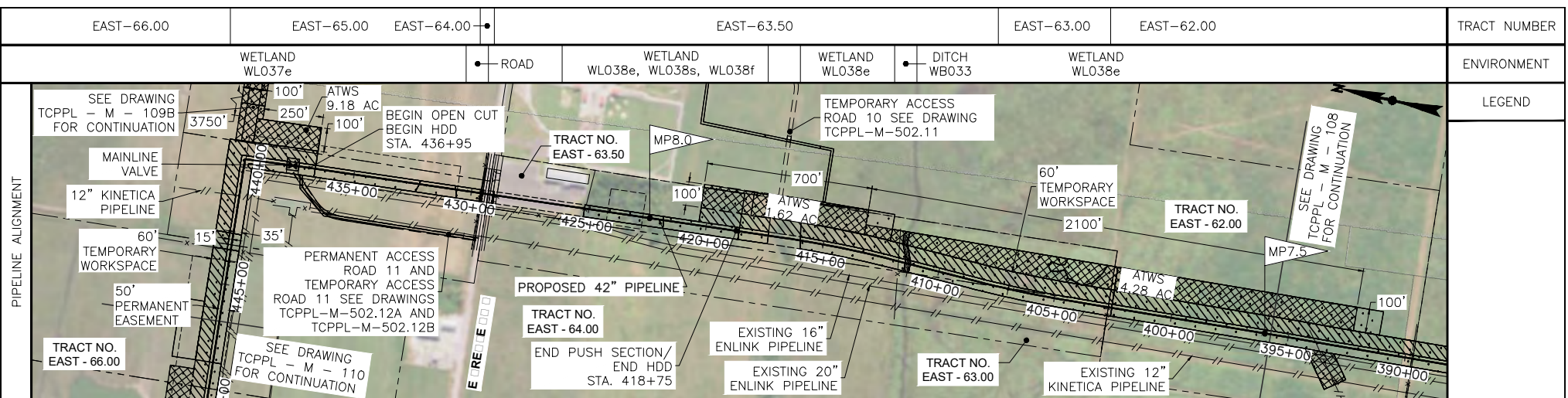
REVISIONS

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

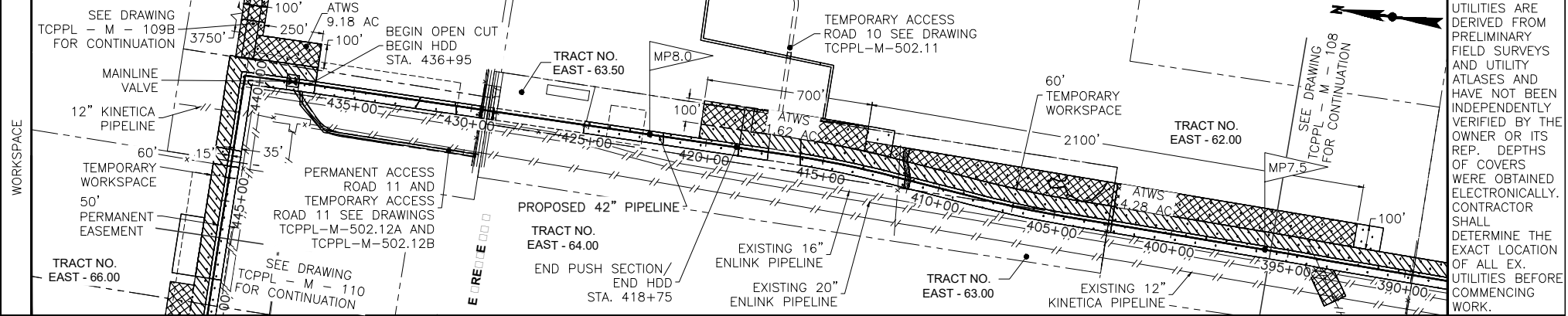
42" NATURAL GAS PIPELINE PROPOSED EAST LATERAL PIPELINE - MILEPOST 6.5 TO 7.5 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH, LOUISIANA

DATE: 07/07/15	SCALE: NTS	DRAWN BY: CNW	DRAWING NUMBER: TCPPL-M-108	SHEET NO: 10	REV: E
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CROSSING INFO.
443+59 PROP LINE
443+53 FENCE LINE
441+23 12" KINETICA PL
429+63 PROP LINE
429+61 FENCE LINE
429+60 WTLD BNDRY
429+590 LINE
429+56 DITCH EDGE
429+55 OH POWER LINE
429+52 DITCH
429+46 DITCH EDGE
429+41 ASPHALT EDGE
429+31 C E CREOLE
429+21 HWY
429+14 ASPHALT EDGE
429+11 DITCH EDGE
429+09 C DITCH
429+03 PROP LINE
429+01 DITCH EDGE
428+91 FENCE LINE
425+18 WTLD BNDRY
425+14 FENCE LINE
417+35 WTLD BNDRY
415+98 WTLD BNDRY
411+76 FENCE LINE
411+47 WTLD BNDRY
411+47 DITCH EDGE
411+32 C DITCH
411+24 DITCH EDGE
411+24 WTLD BNDRY
407+31 PROP LINE
402+70 FENCE LINE
402+58 PROP LINE



NOTE: THE LOCATIONS OF EX. UNDERGROUND UTILITIES ARE DERIVED FROM PRELIMINARY FIELD SURVEYS AND UTILITY ATLASES AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REP. DEPTHS OF COVERS WERE OBTAINED ELECTRONICALLY. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EX. UTILITIES BEFORE COMMENCING WORK.

PIPE	COATING

PIPELINE MATERIAL SUMMARY

PREPARED BY:
EN Engineering
 28100 TORCH PKWY.
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 FAX 630-353-7777
 WWW.ENENGINEERING.COM

REV	DATE	BY	DESCRIPTION	CK	APP
F	10/31/17	TCB	REVISED TEXT SIZE IN TITLE BLOCK	NPI	-
E	02/29/16	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	DK
D	08/27/15	CNW	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-
C	08/26/15	TCB	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-
B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-

REVISIONS

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

42" NATURAL GAS PIPELINE PROPOSED EAST LATERAL PIPELINE - MILEPOST 7.5 TO 8.5 CALCASIEU PASS TERMINAL AND TRASCAMERON PIPELINE PROJECT

CAMERON PARISH, LOUISIANA

DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-109A SHEET NO: 11A REV: F

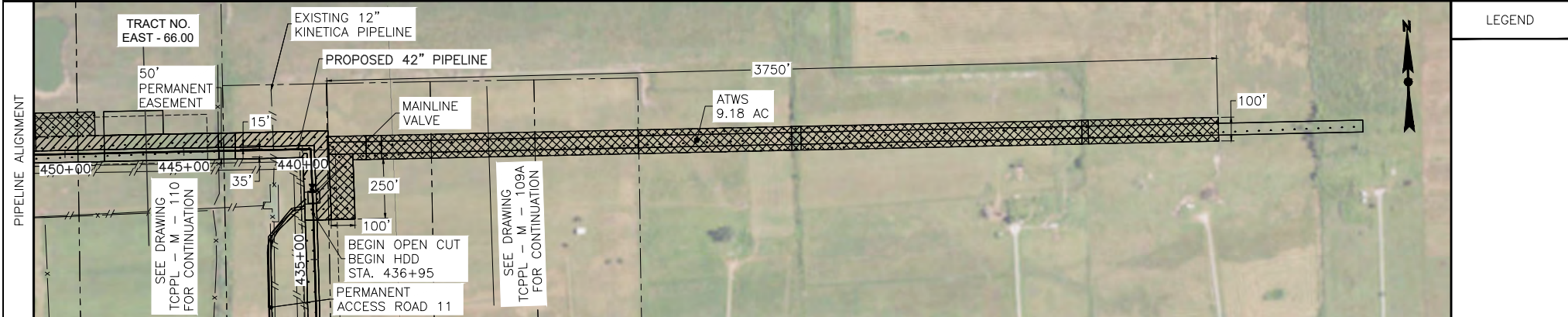
TransCameron Pipeline

Sheet 20

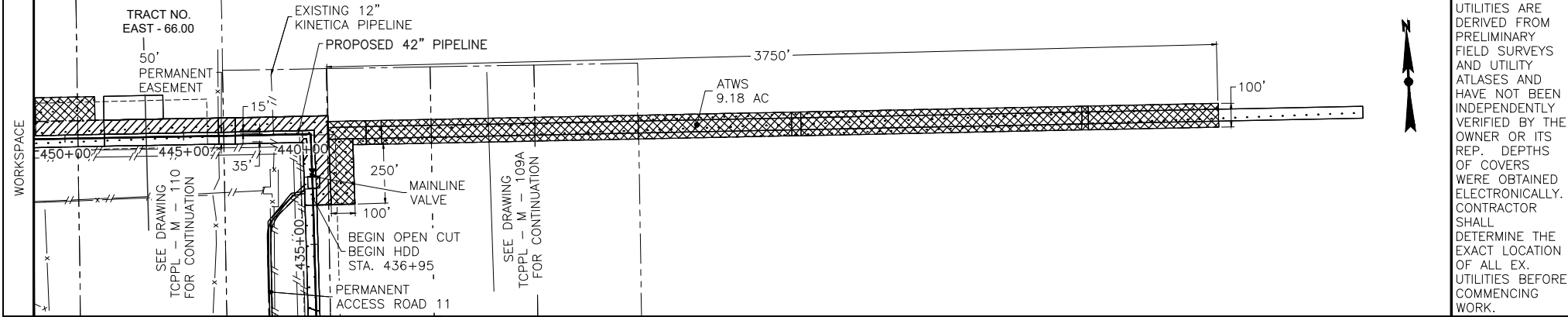
November 2017

EAST-NO TRACT #	TRACT NUMBER
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WETLAND WL101d	ENVIRONMENT
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CROSSING INFO. 402+29 FENCE LINE 402+18 PROP. LINE	
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PIPE	COATING

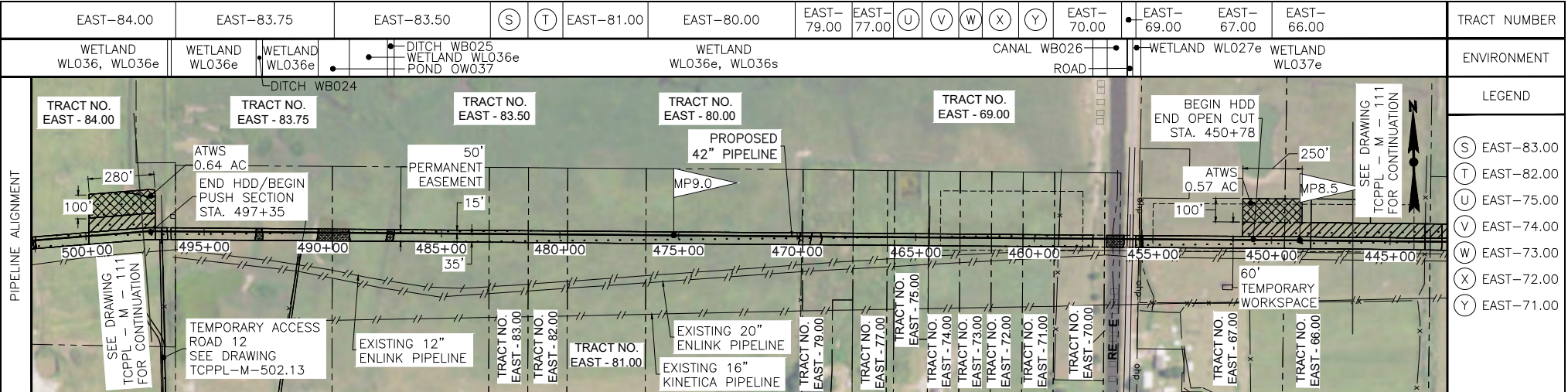
PREPARED BY: ENEngineering 28100 TORCH PKWY. WARRENVILLE, IL 60555 TEL. 630-353-4000 FAX 630-353-7777 WWW.ENENGINEERING.COM
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REV	DATE	BY	DESCRIPTION	CK	APP
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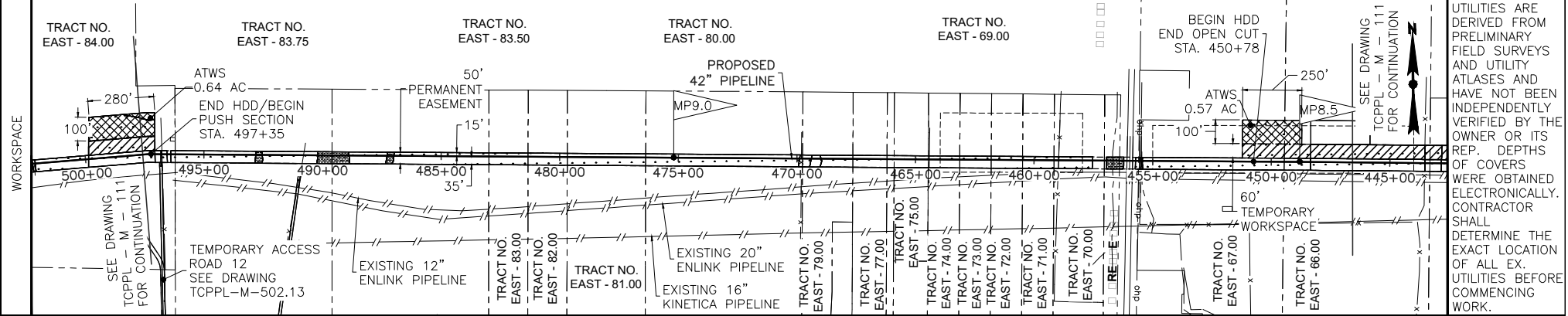
DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

42" NATURAL GAS PIPELINE PROPOSED EAST LATERAL PIPELINE - MILEPOST 8.0 TO 8.3 CALCASIEU PASS TERMINAL AND TRASCAMERON PIPELINE PROJECT					
CAMERON PARISH		LOUISIANA			
DATE:	SCALE:	DRAWN BY:	DRAWING NUMBER:	SHEET NO.:	REV:
07/07/15	NTS	CNW	TCPPL-M-109	11B	C

NOTE:
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CROSSING INFO.	496+77	496+35	496+21	492+81	492+54	490+80	490+19	489+51	488+88	487+28	486+99	482+93	481+35	479+88	476+92	469+81	467+88	465+94	464+73	464+46	463+19	462+60	459+20	458+97	457+53	456+69	456+32	456+22	456+06	455+97	455+85	455+73	455+56	455+50	455+46	453+43	449+98		
	FENCE LINE	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	DITCH EDGE	WTLD BNDRY	FENCE LINE	POND EDGE	POND EDGE	WTLD BNDRY	DITCH EDGE	WTLD BNDRY	PROP LINE	PROP LINE	PROP LINE	PROP LINE	PROP LINE	PROP LINE	FENCE LINE	FENCE LINE	PROP LINE	PROP LINE	FENCE LINE	WTLD BNDRY	CANAL	CANAL	PROP LINE	CANAL EDGE	ASPHAL EDGE	C W CREOLE	Hwy	WSPALT EDGE	WTLD BNDRY	PROP LINE	CH POWER LINE	FENCE LINE	DITCH EDGE	DITCH EDGE	PROP LINE



NOTE: THE LOCATIONS OF EX. UNDERGROUND UTILITIES ARE DERIVED FROM PRELIMINARY FIELD SURVEYS AND UTILITY ATLASES AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REP. DEPTHS OF COVERS WERE OBTAINED ELECTRONICALLY. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EX. UTILITIES BEFORE COMMENCING WORK.

PIPE	COATING

PIPELINE MATERIAL SUMMARY

PREPARED BY:
EN Engineering
 28100 TORCH PKWY.
 WARRENVILLE, IL 60555
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 FAX 630-353-7777
 WWW.ENENGINEERING.COM

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B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-

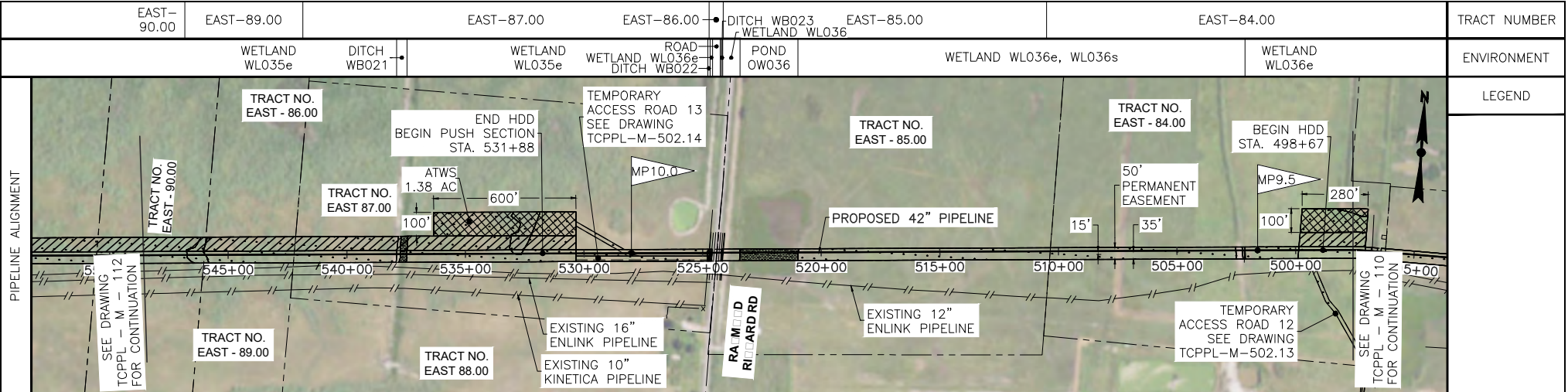
REVISIONS

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

42" NATURAL GAS PIPELINE PROPOSED EAST LATERAL PIPELINE - MILEPOST 8.5 TO 9.4 CALCASIEU PASS TERMINAL AND TRASCAMERON PIPELINE PROJECT

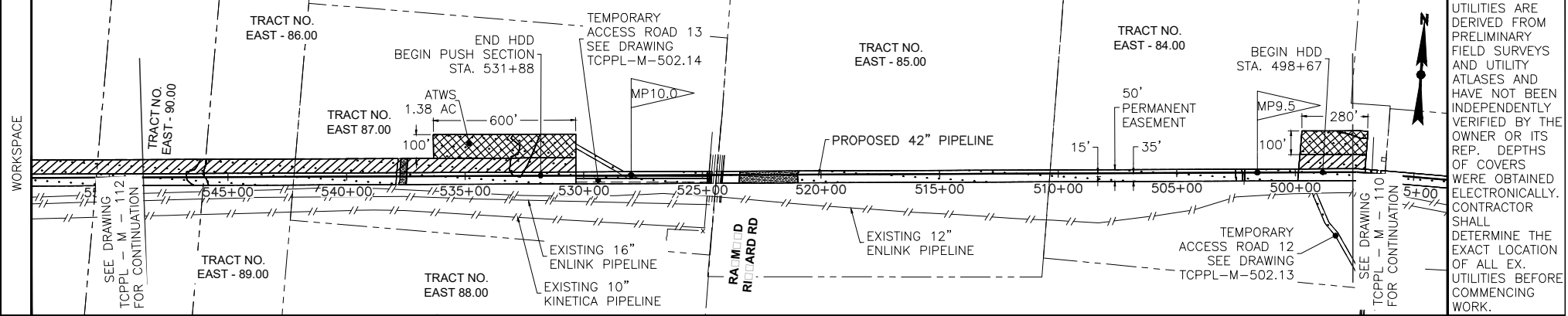
CAMERON PARISH, LOUISIANA

DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-110 SHEET NO: 12 REV: E



CROSSING INFO.

546+82	PROP LINE
541+85	PROP LINE
537+90	WTLD BNDRY/ DITCH EDGE/ DITCH BNDRY
537+46	WTLD BNDRY
524+78	WTLD BNDRY/ DITCH EDGE
524+74	∅ DITCH
524+73	FENCE LINE
524+69	PROP LINE
524+68	DITCH EDGE/ DITCH BNDRY
524+60	WTLD BNDRY
524+51	WTLD BNDRY/ ASPHALT EDGE
524+44	∅ RAYMOND
524+30	RICHARD RD
524+26	ASPHALT EDGE
524+22	∅ DITCH
524+16	DITCH EDGE/ DITCH BNDRY
524+13	WTLD BNDRY/ CH POWER LINE
524+09	PROP LINE
524+43	WTLD BNDRY/ POND EDGE
520+98	POND EDGE/ WTLD BNDRY
510+37	PROP LINE
502+24	DITCH EDGE
502+18	∅ DITCH
502+13	DITCH EDGE



NOTE: THE LOCATIONS OF EX. UNDERGROUND UTILITIES ARE DERIVED FROM PRELIMINARY FIELD SURVEYS AND UTILITY ATLASES AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REP. DEPTHS OF COVERS WERE OBTAINED ELECTRONICALLY. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EX. UTILITIES BEFORE COMMENCING WORK.

PIPELINE MATERIAL SUMMARY

PIPE	COATING

PREPARED BY:
EN Engineering
 28100 TORCH PKWY.
 WARRENVILLE, IL 60555
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 FAX 630-353-7777
 WWW.ENENGINEERING.COM

REVISIONS

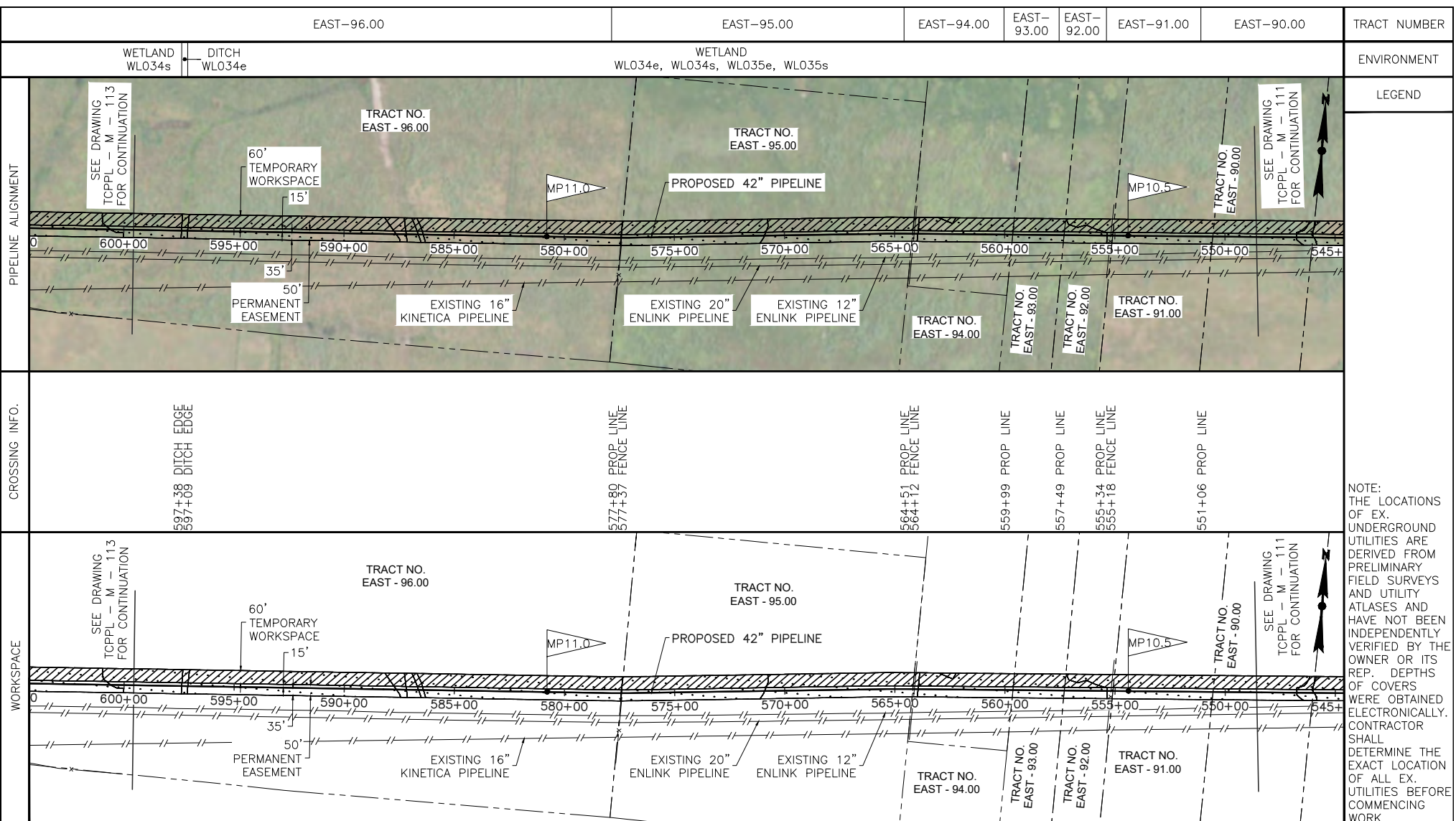
REV	DATE	BY	DESCRIPTION	CK	APP
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B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

42" NATURAL GAS PIPELINE PROPOSED EAST LATERAL PIPELINE - MILEPOST 9.4 TO 10.4 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH, LOUISIANA

DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-111 SHEET NO: 13 REV: E



PIPE	COATING

PIPELINE MATERIAL SUMMARY

PREPARED BY:
EN Engineering
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 FAX 630-353-7777
 WWW.ENENGINEERING.COM

REV	DATE	BY	DESCRIPTION	CK	APP
E	10/31/17	TCB	REVISED TEXT SIZE IN TITLE BLOCK	NP	-
D	02/29/16	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	DK
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B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-

REVISIONS

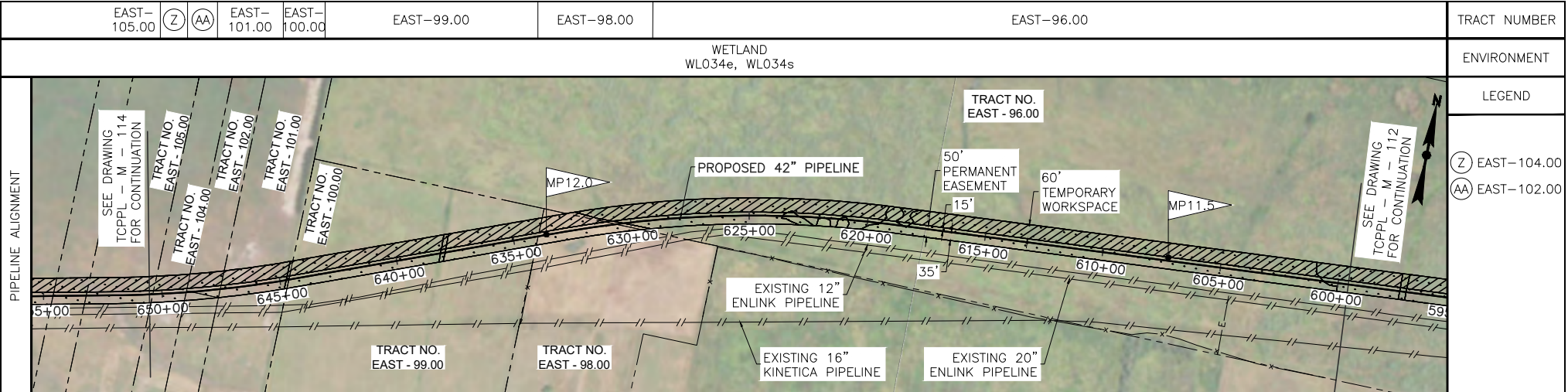
DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

42" NATURAL GAS PIPELINE
 PROPOSED EAST LATERAL PIPELINE - MILEPOST 10.4 TO 11.4
 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH LOUISIANA

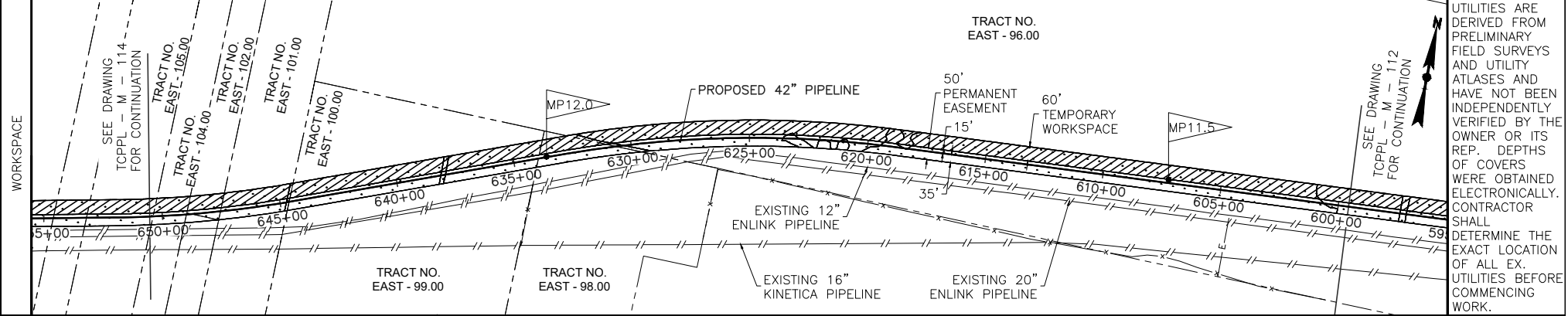
DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-112 SHEET NO: 14 REV: E

NOTE:
 THE LOCATIONS OF EX. UNDERGROUND UTILITIES ARE DERIVED FROM PRELIMINARY FIELD SURVEYS AND UTILITY ATLASES AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REP. DEPTHS OF COVERS WERE OBTAINED ELECTRONICALLY. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EX. UTILITIES BEFORE COMMENCING WORK.



CROSSING INFO.

649+89	PROP LINE
648+90	PROP LINE
647+62	PROP LINE
644+73	PROP LINE
644+62	FENCE LINE
642+95	PROP LINE
633+83	PROP LINE
630+00	PROP LINE



NOTE:
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PIPELINE MATERIAL SUMMARY

PIPE	COATING

PREPARED BY:
ENEngineering
28100 TORCH PKWY.
WARRENVILLE, IL 60555
TEL 630-353-4000
FAX 630-353-7777
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REVISIONS

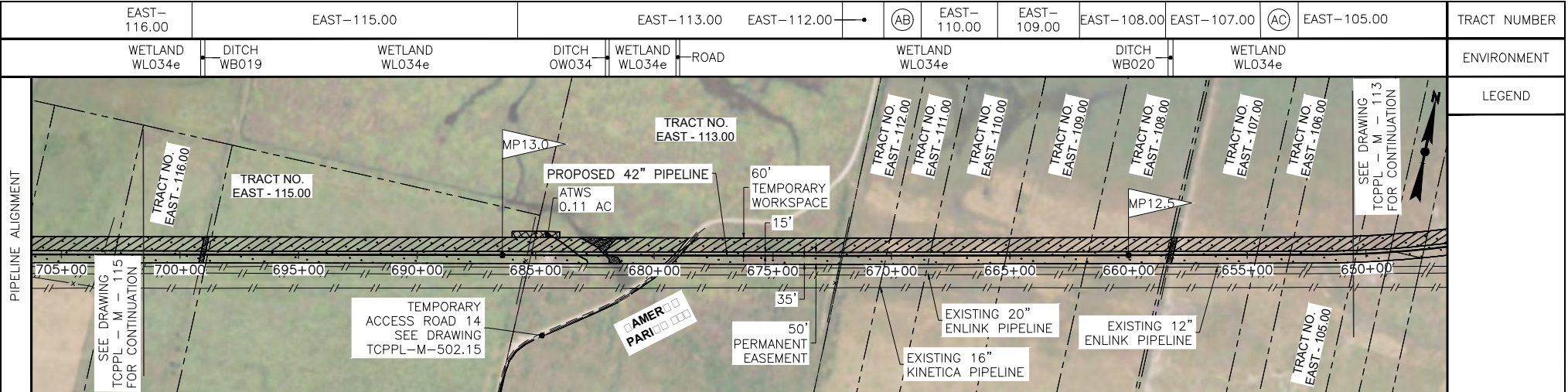
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E	10/31/17	TCB	REVISED TEXT SIZE IN TITLE BLOCK	NP	-
D	02/29/16	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	DK
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DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

42" NATURAL GAS PIPELINE
PROPOSED EAST LATERAL PIPELINE - MILEPOST 114 TO 123
CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

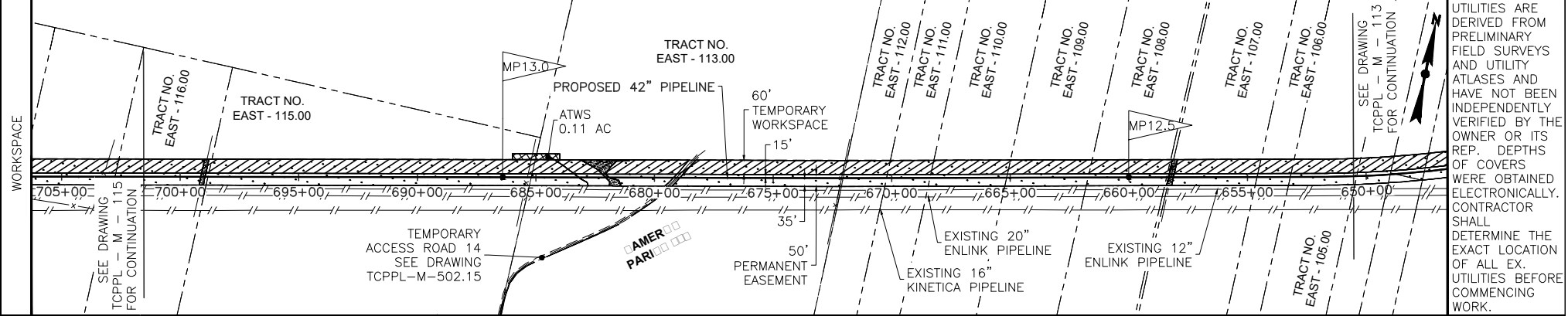
CAMERON PARISH LOUISIANA

DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-113 SHEET NO: 15 REV: E



CROSSING INFO.

699+42	PROP LINE
699+13	WTLD BNDRY/ DITCH EDGE
699+03	DITCH
698+95	DITCH EDGE/ WTLD BNDRY
685+72	PROP LINE
685+36	PROP LINE
682+06	WTLD BNDRY/ DITCH EDGE/ WTLD BNDRY
681+92	WTLD BNDRY
679+20	WTLD BNDRY
679+08	GRAVEL EDGE
679+00	GRAVEL RD
678+93	GRAVEL EDGE
678+93	WTLD BNDRY
672+12	FENCE LINE
672+06	PROP LINE
670+33	PROP LINE
668+74	PROP LINE
665+52	PROP LINE
662+07	PROP LINE
658+45	PROP LINE/ DITCH EDGE/ WTLD BNDRY
658+33	WTLD BNDRY
658+23	DITCH
658+13	DITCH EDGE/ WTLD BNDRY
654+32	PROP LINE
652+85	PROP LINE



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PIPELINE MATERIAL SUMMARY

PIPE	COATING

PREPARED BY:
EN Engineering
 28100 TORCH PKWY.
 WARRENVILLE, IL. 60555
 TEL. 630-353-4000
 FAX 630-353-7777
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REVISIONS

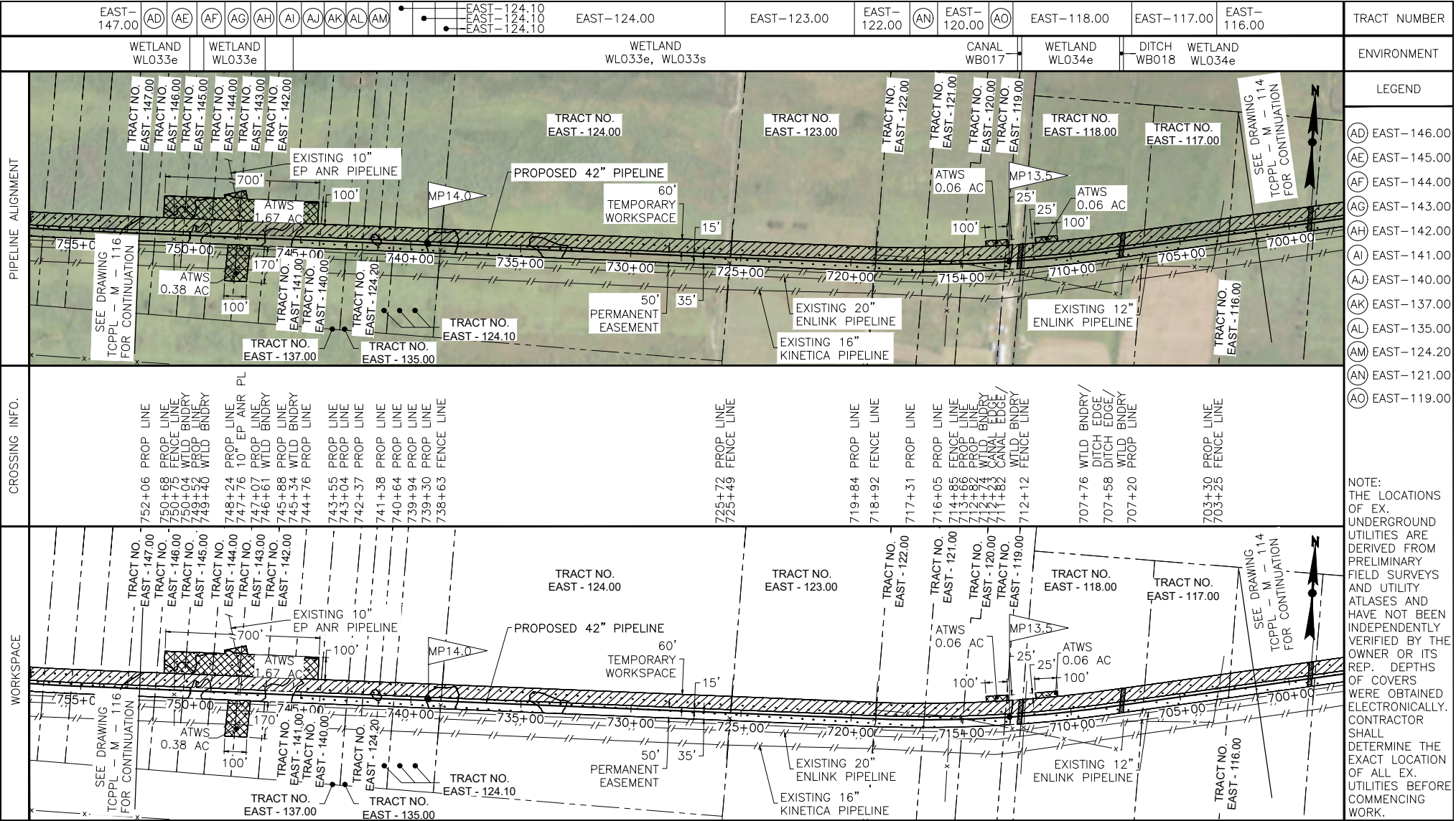
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DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

42" NATURAL GAS PIPELINE
 PROPOSED EAST LATERAL PIPELINE - MILEPOST 123 TO 133
 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH, LOUISIANA

DATE: 07/07/15
 SCALE: NTS
 DRAWN BY: CNW
 DRAWING NUMBER: TCPPL-M-114
 SHEET NO: 16
 REV: E



PIPE	COATING

PIPELINE MATERIAL SUMMARY

PREPARED BY:
EN Engineering
 28100 TORCH PKWY.
 WARRENVILLE, IL. 60555
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 FAX 630-353-7777
 WWW.ENENGINEERING.COM

REV	DATE	BY	DESCRIPTION
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B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT

REVISIONS

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

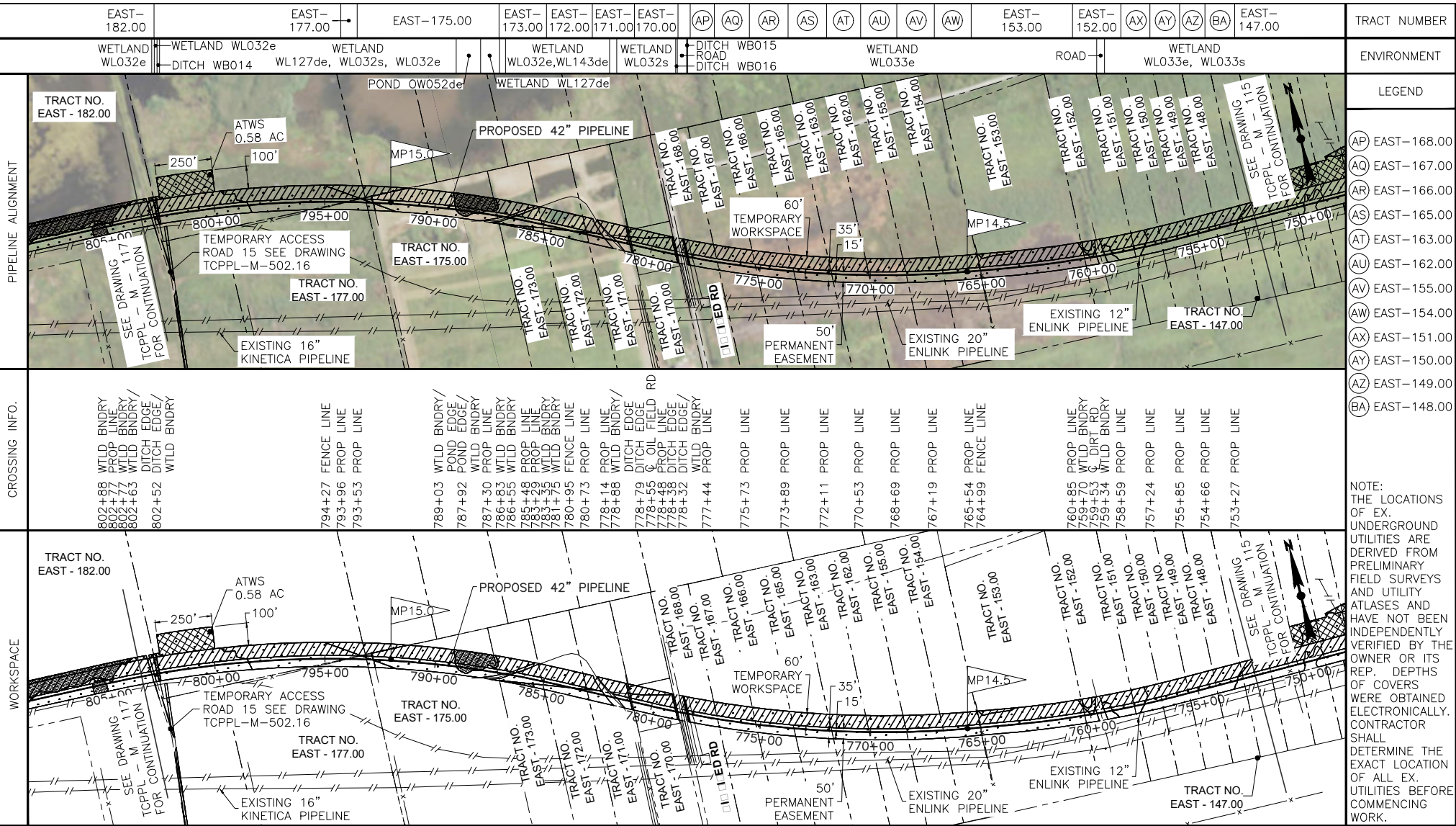
**42" NATURAL GAS PIPELINE
 PROPOSED EAST LATERAL PIPELINE -
 MILEPOST 133 TO 143
 CALCASIEU PASS TERMINAL AND
 TRASCAMERON PIPELINE PROJECT**

CAMERON PARISH LOUISIANA

DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-115 SHEET NO: 17 REV: E

- TRACT NUMBER
- ENVIRONMENT
- LEGEND
- (AD) EAST-146.00
 - (AE) EAST-145.00
 - (AF) EAST-144.00
 - (AG) EAST-143.00
 - (AH) EAST-142.00
 - (AI) EAST-141.00
 - (AJ) EAST-140.00
 - (AK) EAST-137.00
 - (AL) EAST-135.00
 - (AM) EAST-124.20
 - (AN) EAST-121.00
 - (AO) EAST-119.00

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Legend	Symbol	Description
AP	Circle with AP	EAST-168.00
AQ	Circle with AQ	EAST-167.00
AR	Circle with AR	EAST-166.00
AS	Circle with AS	EAST-165.00
AT	Circle with AT	EAST-163.00
AU	Circle with AU	EAST-162.00
AV	Circle with AV	EAST-155.00
AW	Circle with AW	EAST-154.00
AX	Circle with AX	EAST-151.00
AY	Circle with AY	EAST-150.00
AZ	Circle with AZ	EAST-149.00
BA	Circle with BA	EAST-148.00

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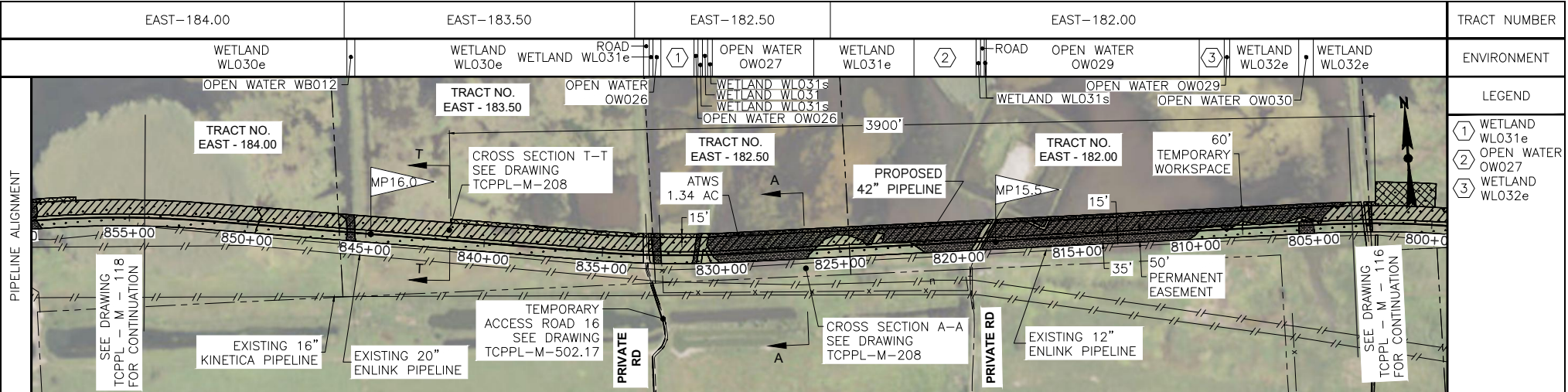
PIPE	COATING

PREPARED BY: EN Engineering 28100 TORCH PKWY. WARRENVILLE, IL 60555 TEL 630-353-4000 FAX 630-353-7777 WWW.ENENGINEERING.COM
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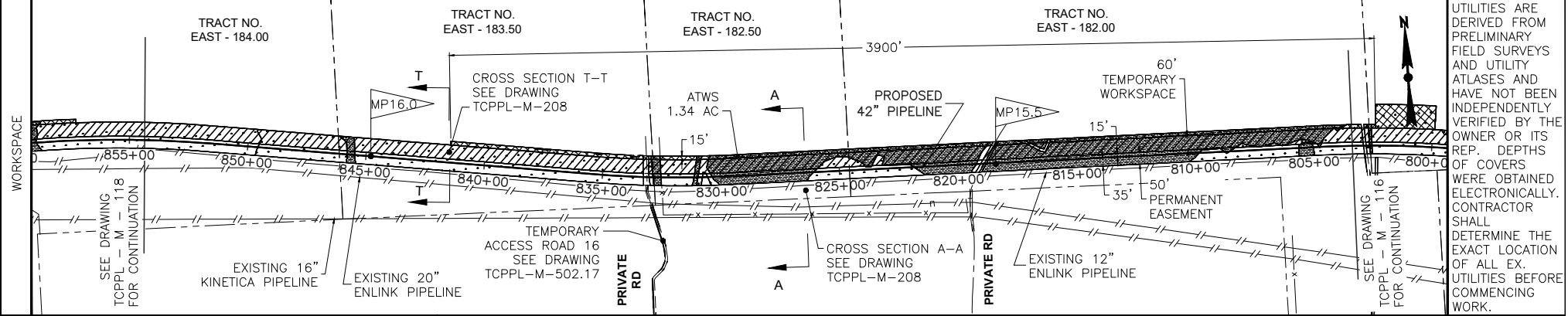
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DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.
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42" NATURAL GAS PIPELINE PROPOSED EAST LATERAL PIPELINE - MILEPOST 14.3 TO 15.2 CALCASIEU PASS TERMINAL AND TRASCAMERON PIPELINE PROJECT			
CAMERON PARISH	LOUISIANA		
DATE: 07/07/15	SCALE: NTS	DRAWN BY: CNW	DRAWING NUMBER: TCPPPL-M-116
			SHEET REV: 18 E



CROSSING INFO.	845+93	845+81	845+47	833+64	832+27	833+12	833+05	832+87	832+54	832+15	831+14	830+97	830+78	830+48	830+36	830+36	826+08	825+38	821+85	819+22	819+04	818+93	818+89	818+80	809+81	808+75	808+52	805+61	804+99
	PROP LINE	WTLD BNDRY	WTLD BNDRY	PROP LINE	WTLD BNDRY	DIRT RD	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY
	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY
	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY	WTLD BNDRY



NOTE: THE LOCATIONS OF EX. UNDERGROUND UTILITIES ARE DERIVED FROM PRELIMINARY FIELD SURVEYS AND UTILITY ATLASES AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REP. DEPTHS OF COVERS WERE OBTAINED ELECTRONICALLY. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EX. UTILITIES BEFORE COMMENCING WORK.

PIPE	COATING

PIPELINE MATERIAL SUMMARY

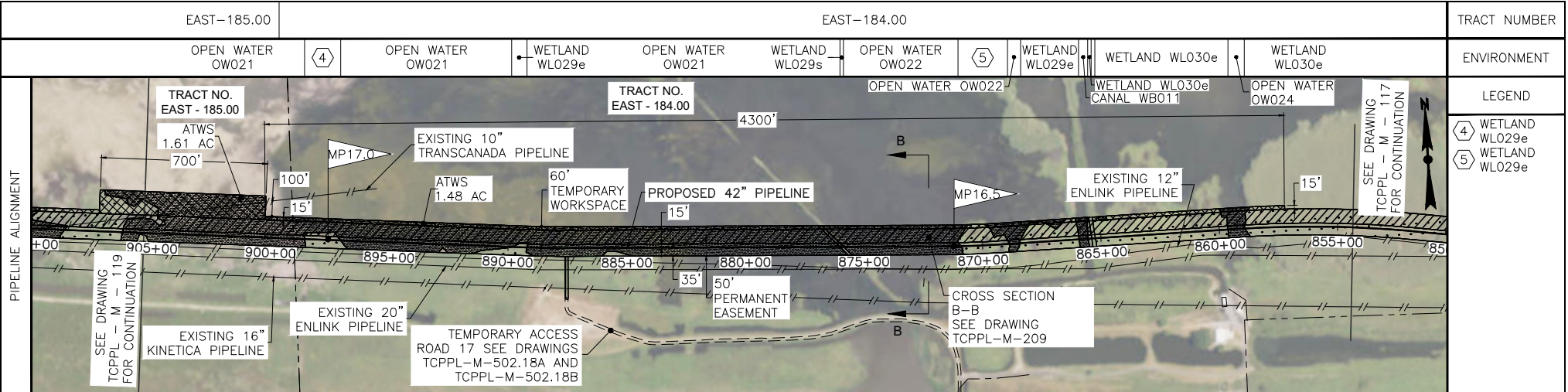
PREPARED BY:
EN Engineering
 28100 TORCH PKWY.
 WARRENVILLE, IL 60555
 TEL 630-353-4000
 FAX 630-353-7777
 WWW.ENENGINEERING.COM

REV	DATE	BY	DESCRIPTION
F	10/31/17	TCB	REVISED TEXT SIZE IN TITLE BLOCK
E	08/19/16	TCB	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT
D	02/29/16	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT
C	08/26/15	TCB	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT
B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT

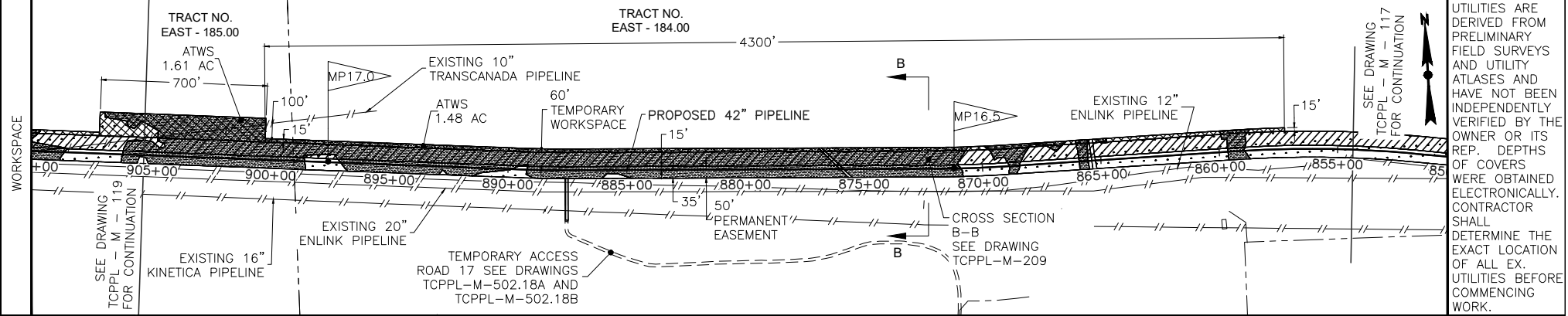
DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

CAMERON PARISH, LOUISIANA	
DATE: 07/07/15	SCALE: NTS
DRAWN BY: CNW	DRAWING NUMBER: TCPPL-M-117
SHEET NO: 19	REV: F

REVISIONS



CROSSING INFO.	899+67	898+59	897+03	889+85	889+20	876+01	875+88	870+91	868+87	868+43	865+91	865+53	865+38	865+23	859+62	858+94
	PROP LINE	OPEN WATER/ WTLD BNDRY	WTLD BNDRY/ OPEN WATER	OPEN WATER/ WTLD BNDRY	WTLD BNDRY/ OPEN WATER	OPEN WATER/ WTLD BNDRY	WTLD BNDRY/ OPEN WATER	OPEN WATER/ WTLD BNDRY	WTLD BNDRY/ OPEN WATER	WTLD BNDRY/ OPEN WATER	WTLD BNDRY/ CANAL EDGE	CANAL EDGE/ WTLD BNDRY	WTLD BNDRY/ WTLD BNDRY		WTLD BNDRY/ OPEN WATER	WTLD BNDRY



PIPE	COATING

PIPELINE MATERIAL SUMMARY

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 WWW.ENENGINEERING.COM

REV	DATE	BY	DESCRIPTION	CK	APP
F	10/31/17	TCB	REVISED TEXT SIZE IN TITLE BLOCK	NPI	-
E	08/19/16	TCB	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	NP
D	02/29/16	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	DK
C	08/26/15	TCB	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-
B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-

REVISIONS

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

42" NATURAL GAS PIPELINE PROPOSED EAST LATERAL PIPELINE - MILEPOST 16.2 TO 17.1 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

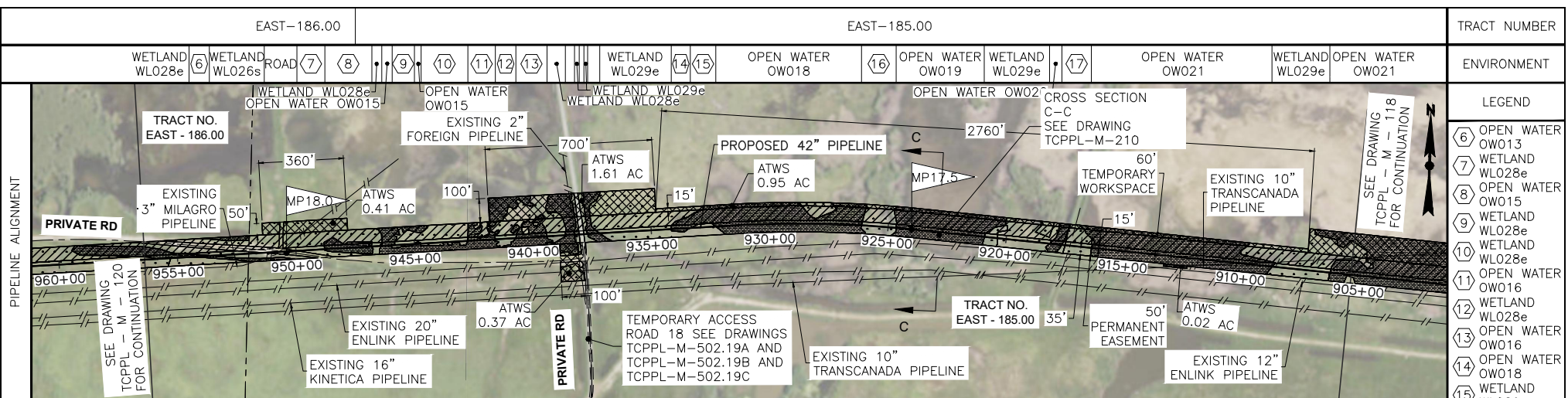
CAMERON PARISH LOUISIANA

DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-118 SHEET NO: 20 REV: F

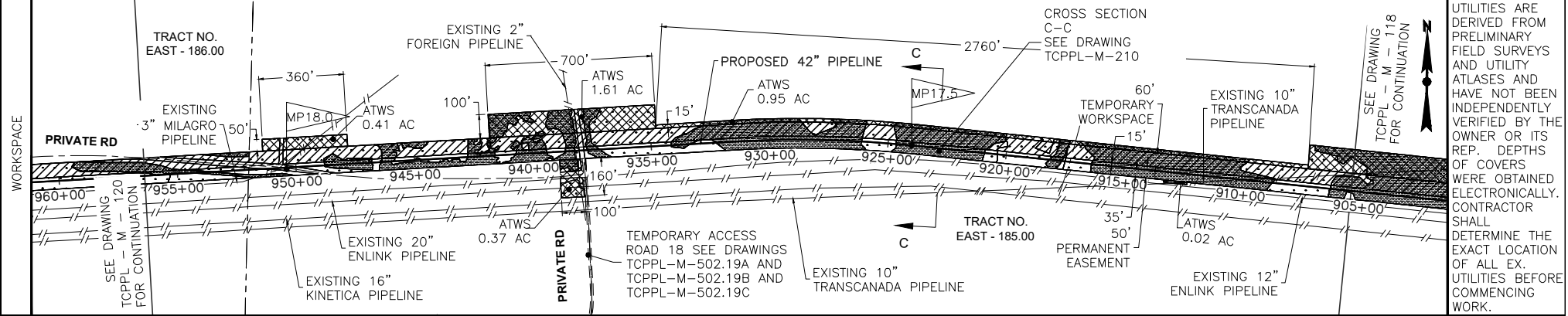
NOTE: THE LOCATIONS OF EX. UNDERGROUND UTILITIES ARE DERIVED FROM PRELIMINARY FIELD SURVEYS AND UTILITY ATLASES AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REP. DEPTHS OF COVERS WERE OBTAINED ELECTRONICALLY. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EX. UTILITIES BEFORE COMMENCING WORK.



TRACT NUMBER	
ENVIRONMENT	<p>④ WETLAND WL029e</p> <p>⑤ WETLAND WL029e</p>
LEGEND	



CROSSING INFO.	PIPELINE ALIGNMENT
955+89 WTLD BNDRY/ OPEN WATER/ OPEN WATER/	WETLAND WLO28e
955+75 WTLD BNDRY/ OPEN WATER/ OPEN WATER/	WETLAND WLO28e
954+52 WTLD BNDRY/ OPEN WATER/ OPEN WATER/	WETLAND WLO28e
953+58 WTLD BNDRY/ OPEN WATER/ OPEN WATER/	WETLAND WLO28e
952+48 WTLD BNDRY/ PROP LINE	ROAD
951+35 WTLD BNDRY/ 3" MILAGRO PL	WETLAND WLO28e
950+71 WTLD BNDRY/ LEVEE ROAD	WETLAND WLO28e
949+96 WTLD BNDRY/	WETLAND WLO28e
948+79 WTLD BNDRY/	WETLAND WLO28e
946+80 WTLD BNDRY/	WETLAND WLO28e
946+38 WTLD BNDRY/	WETLAND WLO28e
945+94 WTLD BNDRY/	WETLAND WLO28e
945+00 WTLD BNDRY/	WETLAND WLO28e
944+72 WTLD BNDRY/	WETLAND WLO28e
942+75 WTLD BNDRY/	WETLAND WLO28e
941+58 WTLD BNDRY/	WETLAND WLO28e
940+72 WTLD BNDRY/	WETLAND WLO28e
938+39 WTLD BNDRY/	WETLAND WLO28e
938+63 WTLD BNDRY/	WETLAND WLO28e
938+24 WTLD BNDRY/	WETLAND WLO28e
938+20 2" FOREIGN PL	WETLAND WLO28e
938+03 WTLD BNDRY/	WETLAND WLO28e
937+94 WTLD BNDRY/	WETLAND WLO28e
937+84 WTLD BNDRY/	WETLAND WLO28e
937+68 WTLD BNDRY/	WETLAND WLO28e
937+17 WTLD BNDRY/	WETLAND WLO28e
934+15 WTLD BNDRY/	WETLAND WLO28e
933+35 WTLD BNDRY/	WETLAND WLO28e
933+26 WTLD BNDRY/	WETLAND WLO28e
926+12 OPEN WATER/	OPEN WATER OW018
924+66 WTLD BNDRY/	WETLAND WLO29e
920+92 OPEN WATER/	OPEN WATER OW019
918+15 WTLD BNDRY/	WETLAND WLO29e
917+63 OPEN WATER/	OPEN WATER OW021
917+29 WTLD BNDRY/	WETLAND WLO29e
916+38 WTLD BNDRY/	WETLAND WLO29e
909+90 10" TRANSCANADA PIPELINE	OPEN WATER OW021
908+72 OPEN WATER/	WETLAND WLO29e
906+27 WTLD BNDRY/	WETLAND WLO29e
	OPEN WATER OW021



- LEGEND
- (6) OPEN WATER OW013
 - (7) WETLAND WLO28e
 - (8) OPEN WATER OW015
 - (9) WETLAND WLO28e
 - (10) WETLAND WLO28e
 - (11) OPEN WATER OW016
 - (12) WETLAND WLO28e
 - (13) OPEN WATER OW016
 - (14) OPEN WATER OW018
 - (15) WETLAND WLO29e
 - (16) WETLAND WLO29e
 - (17) WETLAND WLO29s

NOTE: THE LOCATIONS OF EX. UNDERGROUND UTILITIES ARE DERIVED FROM PRELIMINARY FIELD SURVEYS AND UTILITY ATLASES AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REP. DEPTHS OF COVERS WERE OBTAINED ELECTRONICALLY. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EX. UTILITIES BEFORE COMMENCING WORK.

PIPE	COATING

PIPELINE MATERIAL SUMMARY

PREPARED BY:
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 WWW.ENENGINEERING.COM

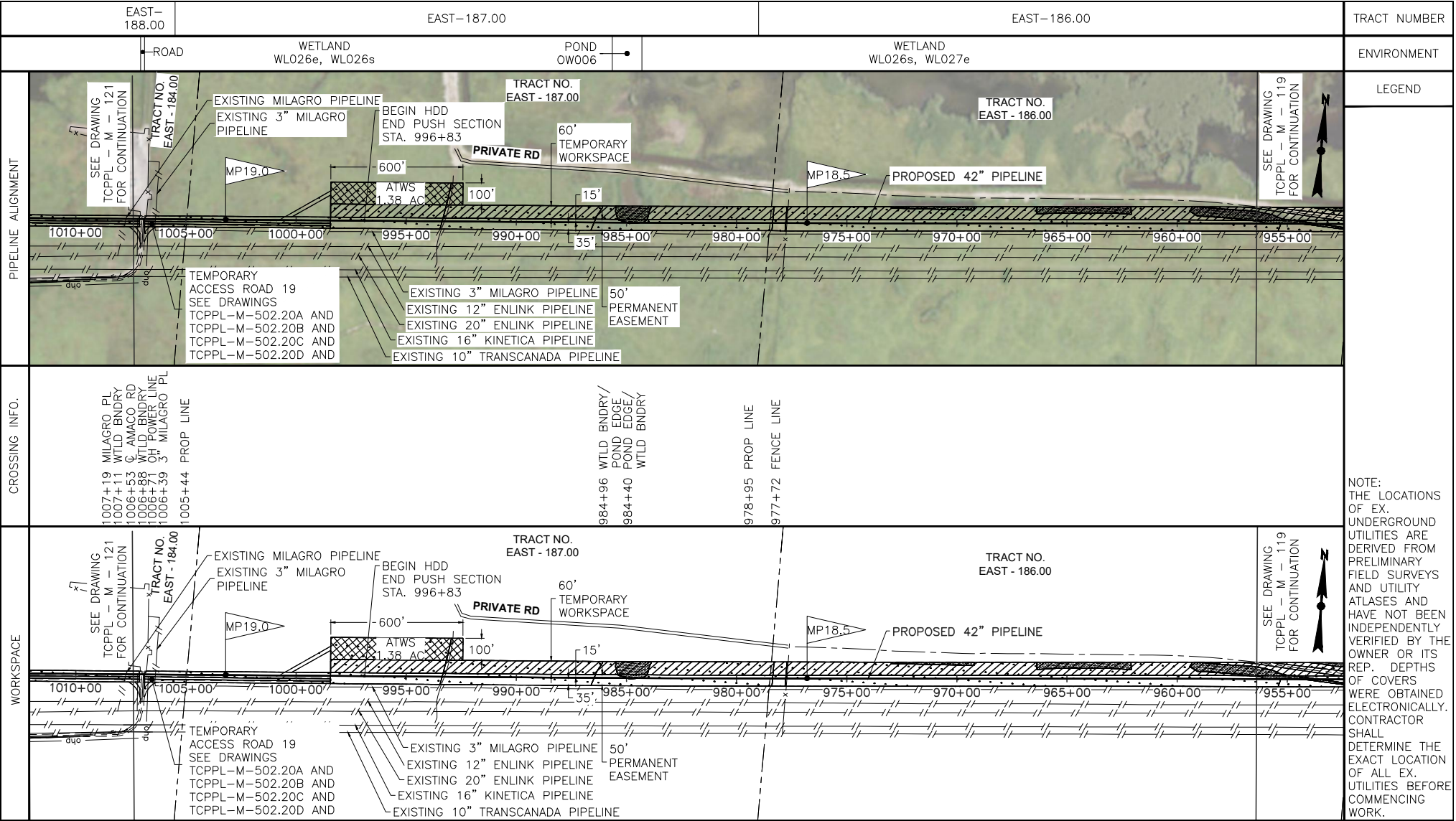
REV	DATE	BY	DESCRIPTION
F	10/31/17	TCB	REVISED TEXT SIZE IN TITLE BLOCK
E	08/19/16	TCB	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT
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B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT

REVISIONS

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

42" NATURAL GAS PIPELINE
 PROPOSED EAST LATERAL PIPELINE - MILEPOST 17.1 TO 18.1
 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT
 CAMERON PARISH LOUISIANA

DATE: 07/07/15
 SCALE: NTS
 DRAWN BY: CNW
 DRAWING NUMBER: TCPPL-M-119
 SHEET NO: 21
 REV: F



PIPE	COATING

PREPARED BY:
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 WWW.ENENGINEERING.COM

REV	DATE	BY	DESCRIPTION	CK	APP
E	10/31/17	TCB	REVISED TEXT SIZE IN TITLE BLOCK	NP	-
D	02/29/16	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	DK
C	08/26/15	TCB	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-
B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-

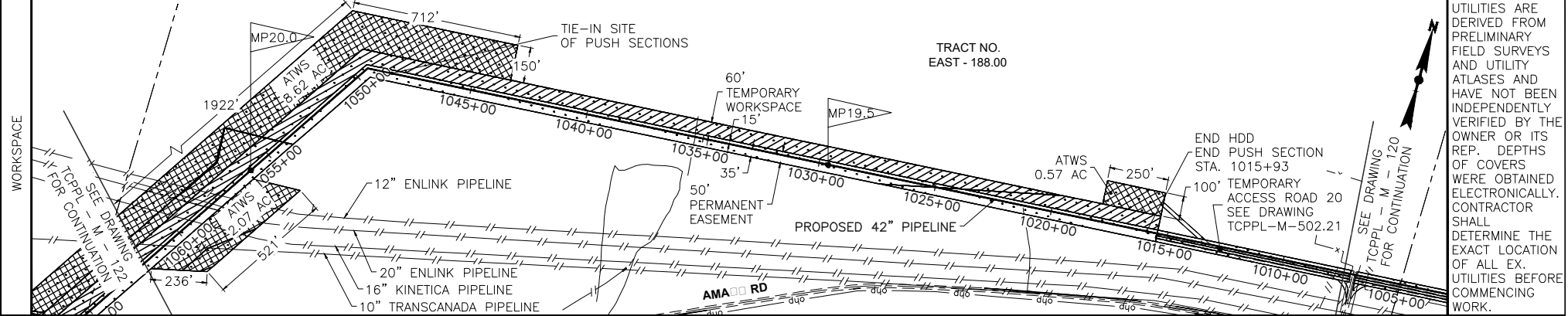
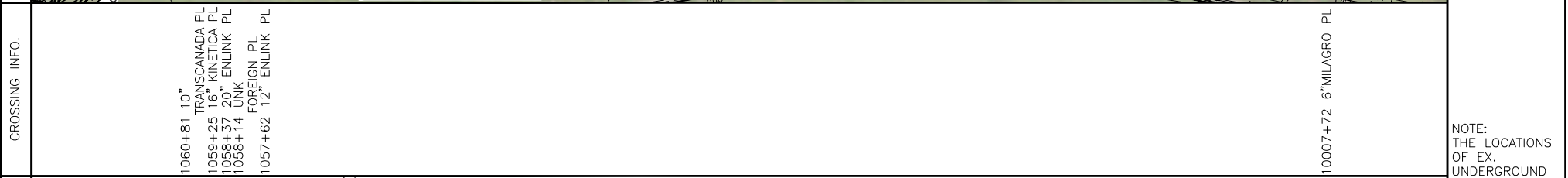
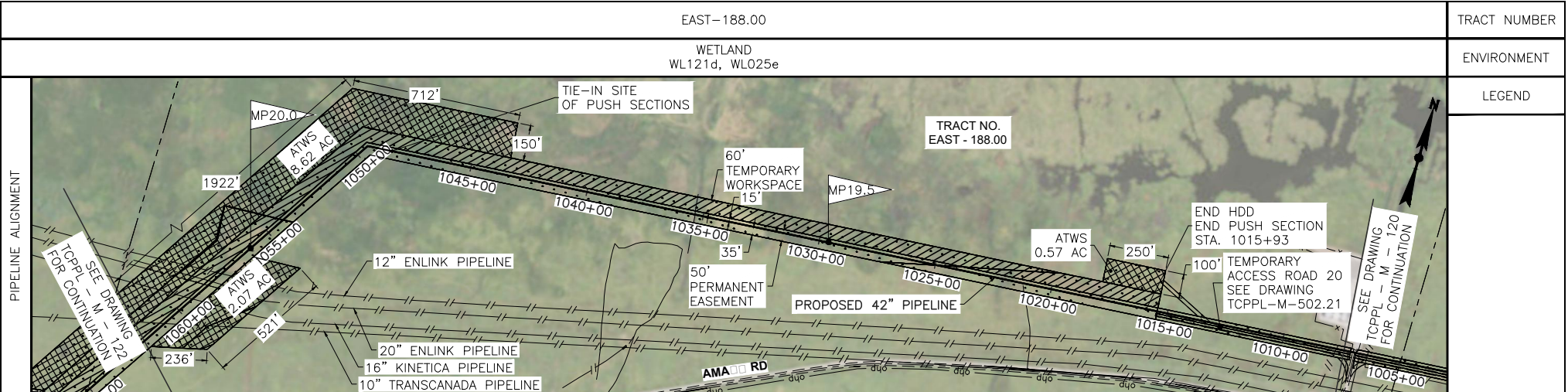
DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

42" NATURAL GAS PIPELINE PROPOSED EAST LATERAL PIPELINE - MILEPOST 18.1 TO 19.1 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH LOUISIANA

DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-120 SHEET NO: 22 REV: E

NOTE: THE LOCATIONS OF EX. UNDERGROUND UTILITIES ARE DERIVED FROM PRELIMINARY FIELD SURVEYS AND UTILITY ATLASES AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REP. DEPTHS OF COVERS WERE OBTAINED ELECTRONICALLY. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EX. UTILITIES BEFORE COMMENCING WORK.



NOTE:
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PIPE	COATING

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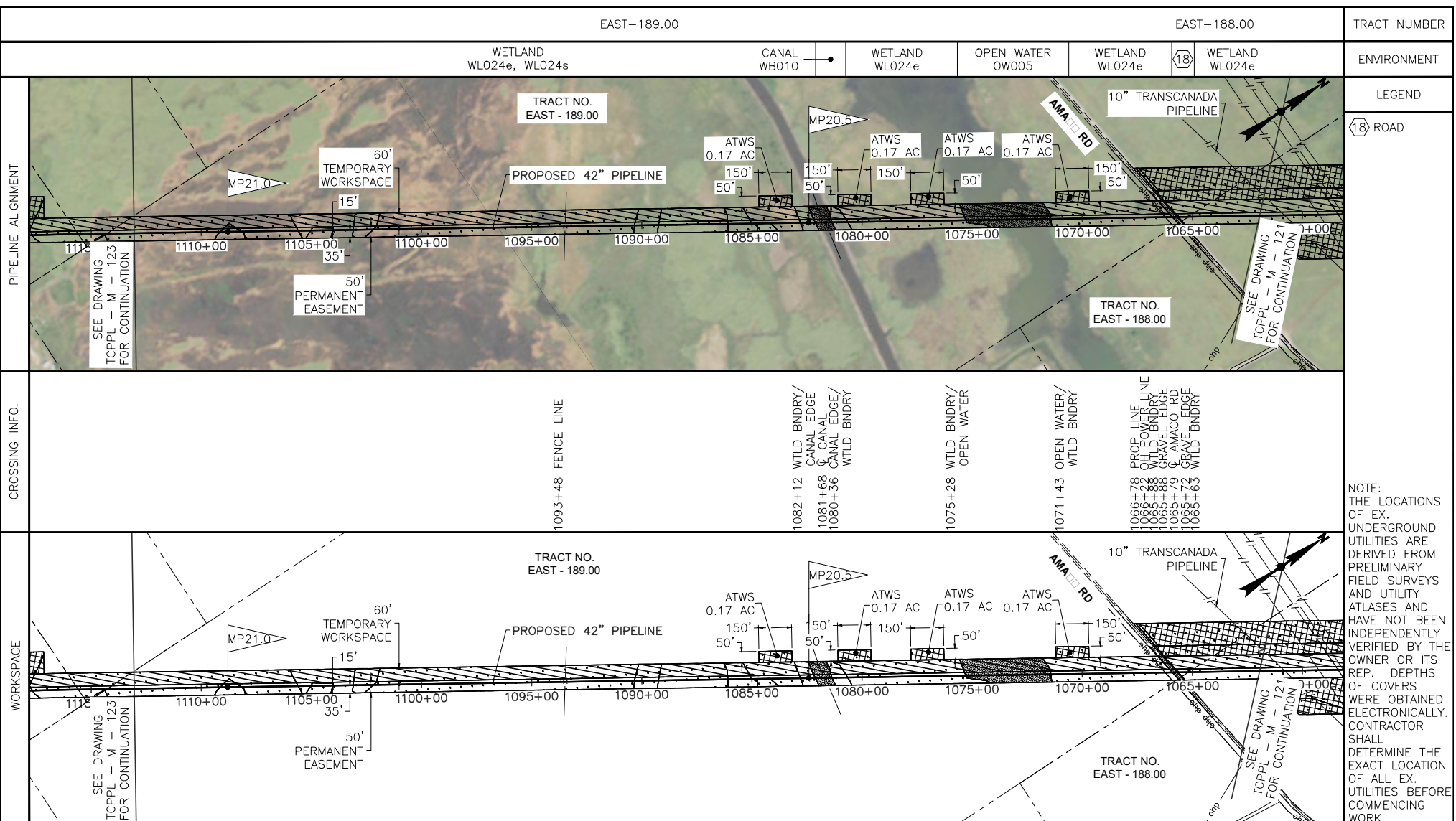
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D	02/29/16	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	DK
C	08/26/15	TCB	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-
B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

**42" NATURAL GAS PIPELINE
 PROPOSED EAST LATERAL PIPELINE -
 MILEPOST 19.1 TO 20.1
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH, LOUISIANA

DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPPL-M-121 SHEET NO: 23 REV: E



PIPE	COATING

PIPELINE MATERIAL SUMMARY

PREPARED BY:
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 WWW.ENENGINEERING.COM

REV	DATE	BY	DESCRIPTION	CK	APP
E	10/31/17	TCB	REVISED TEXT SIZE IN TITLE BLOCK	NP	-
D	02/29/16	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	DK
C	08/26/15	TCB	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-
B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-

REVISIONS

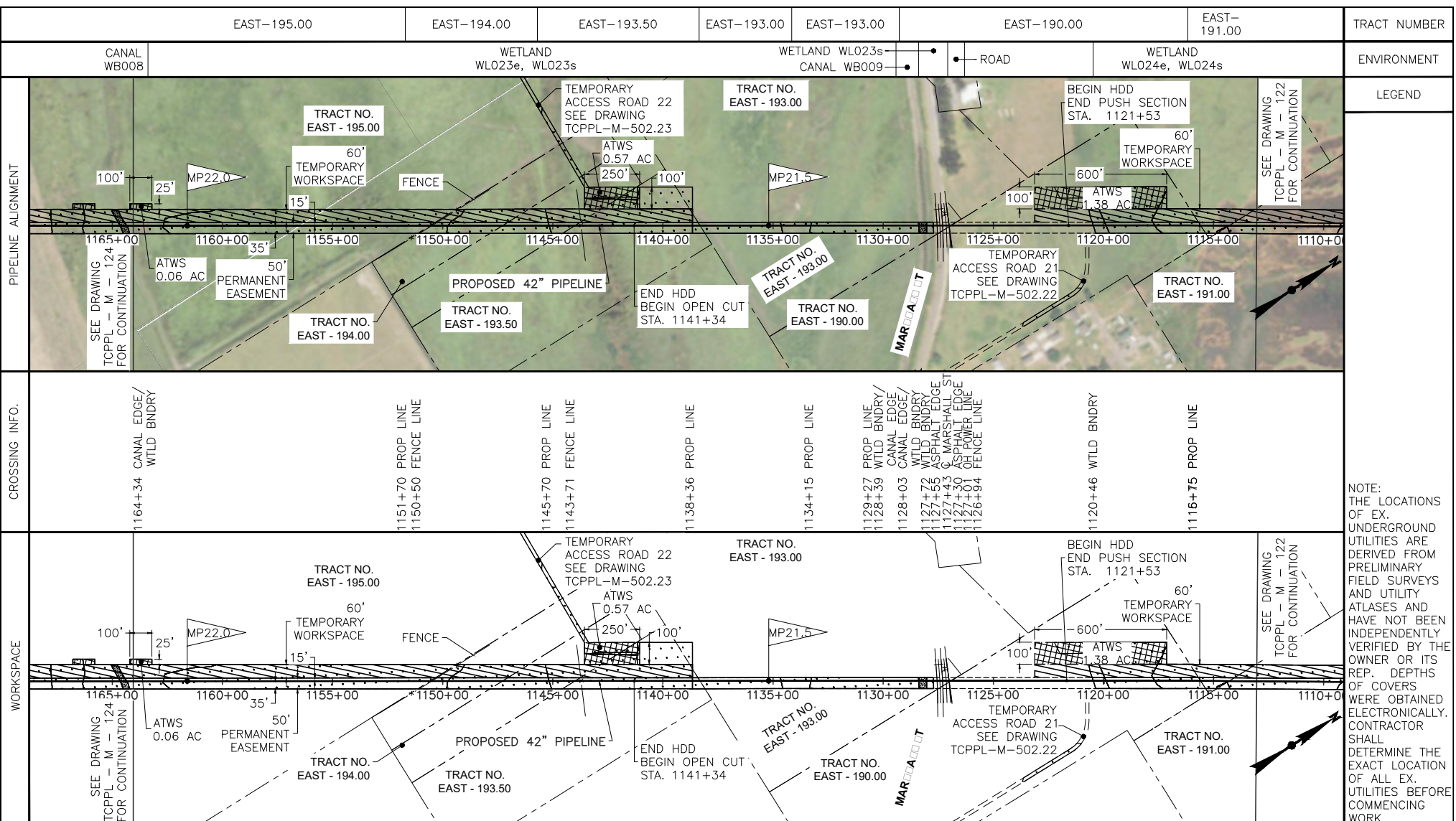
DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

42" NATURAL GAS PIPELINE
 PROPOSED EAST LATERAL PIPELINE - MILEPOST 20.1 TO 21.1
 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH LOUISIANA

DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-122 SHEET NO: 24 REV: E

NOTE:
 THE LOCATIONS OF EX. UNDERGROUND UTILITIES ARE DERIVED FROM PRELIMINARY FIELD SURVEYS AND UTILITY ATLASES AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REP. DEPTHS OF COVERS WERE OBTAINED ELECTRONICALLY. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EX. UTILITIES BEFORE COMMENCING WORK.



PIPE	COATING

PREPARED BY:
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 WARRENVILLE, IL 60555
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 FAX 630-353-7777
 WWW.ENENGINEERING.COM

REV	DATE	BY	DESCRIPTION
E	10/31/17	TCB	REVISED TEXT SIZE IN TITLE BLOCK
D	02/29/16	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT
C	08/26/15	TCB	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT
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**42" NATURAL GAS PIPELINE
 PROPOSED EAST LATERAL PIPELINE -
 MILEPOST 21.1 TO 22.0
 CALCASIEU PASS TERMINAL AND
 TRASCAMERON PIPELINE PROJECT**

CAMERON PARISH, LOUISIANA

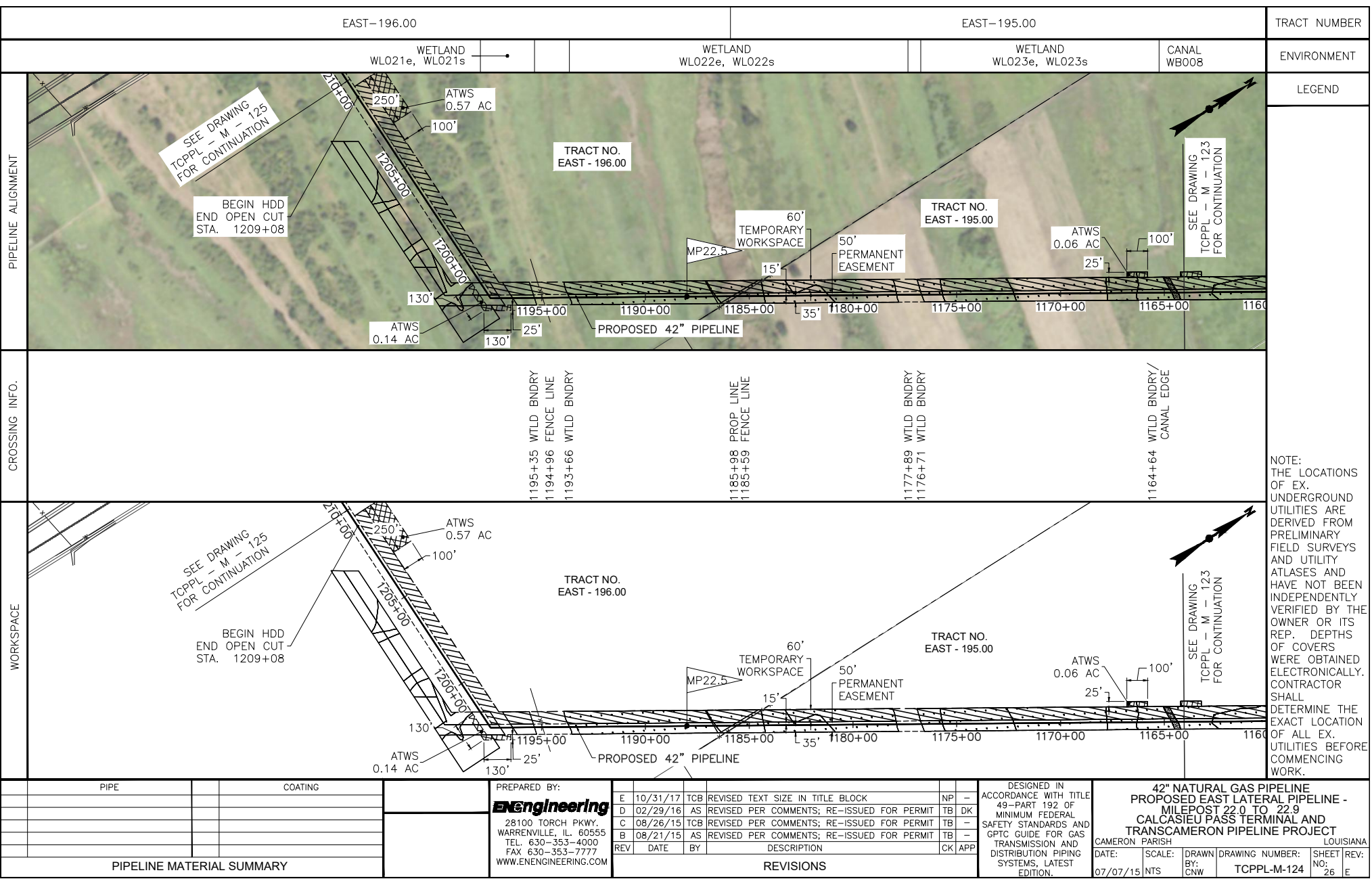
DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-123 SHEET NO: 25 REV: E

NOTE:
 THE LOCATIONS OF EX. UNDERGROUND UTILITIES ARE DERIVED FROM PRELIMINARY FIELD SURVEYS AND UTILITY ATLASES AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REP. DEPTHS OF COVERS WERE OBTAINED ELECTRONICALLY. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EX. UTILITIES BEFORE COMMENCING WORK.

TransCameron Pipeline

Sheet 35

November 2017



TRACT NUMBER

ENVIRONMENT

LEGEND

CROSSING INFO.

WORKSPACE

NOTE:
THE LOCATIONS OF EX. UNDERGROUND UTILITIES ARE DERIVED FROM PRELIMINARY FIELD SURVEYS AND UTILITY ATLASES AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REP. DEPTHS OF COVERS WERE OBTAINED ELECTRONICALLY. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EX. UTILITIES BEFORE COMMENCING WORK.

PIPE	COATING

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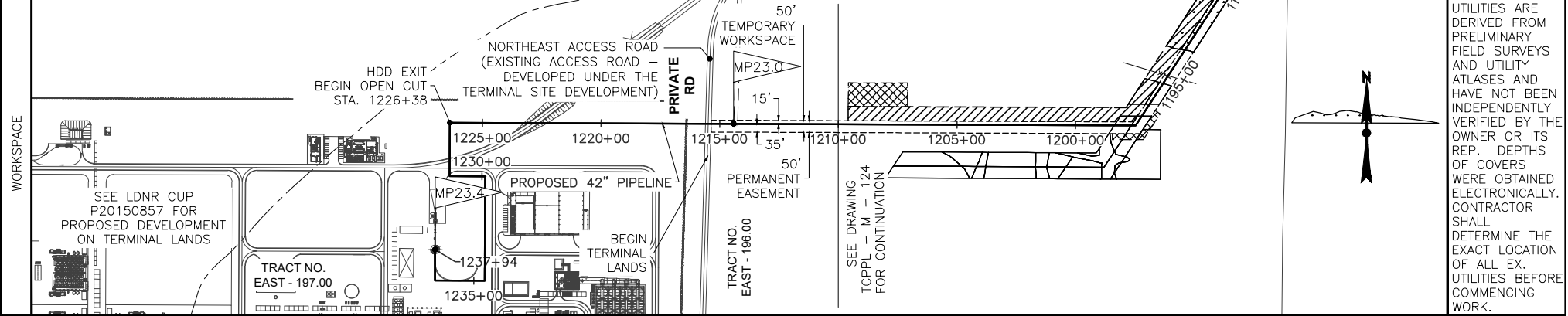
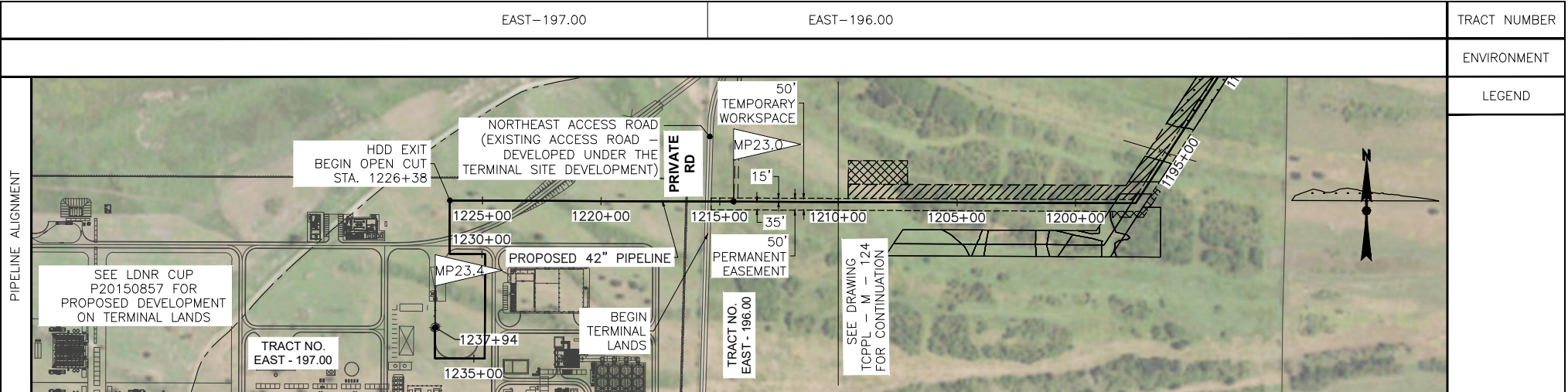
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B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

42" NATURAL GAS PIPELINE
PROPOSED EAST LATERAL PIPELINE -
MILEPOST 22.0 TO 22.9
CALCASIEU PASS TERMINAL AND
TRANSCAMERON PIPELINE PROJECT
CAMERON PARISH, LOUISIANA
DATE: 07/07/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-124 SHEET NO: 26 REV: E

PIPELINE MATERIAL SUMMARY

REVISIONS



NOTE:
THE LOCATIONS OF EX. UNDERGROUND UTILITIES ARE DERIVED FROM PRELIMINARY FIELD SURVEYS AND UTILITY ATLASES AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REP. DEPTHS OF COVERS WERE OBTAINED ELECTRONICALLY. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EX. UTILITIES BEFORE COMMENCING WORK.

PIPE	COATING

PREPARED BY:
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FAX 630-353-7777
WWW.ENENGINEERING.COM

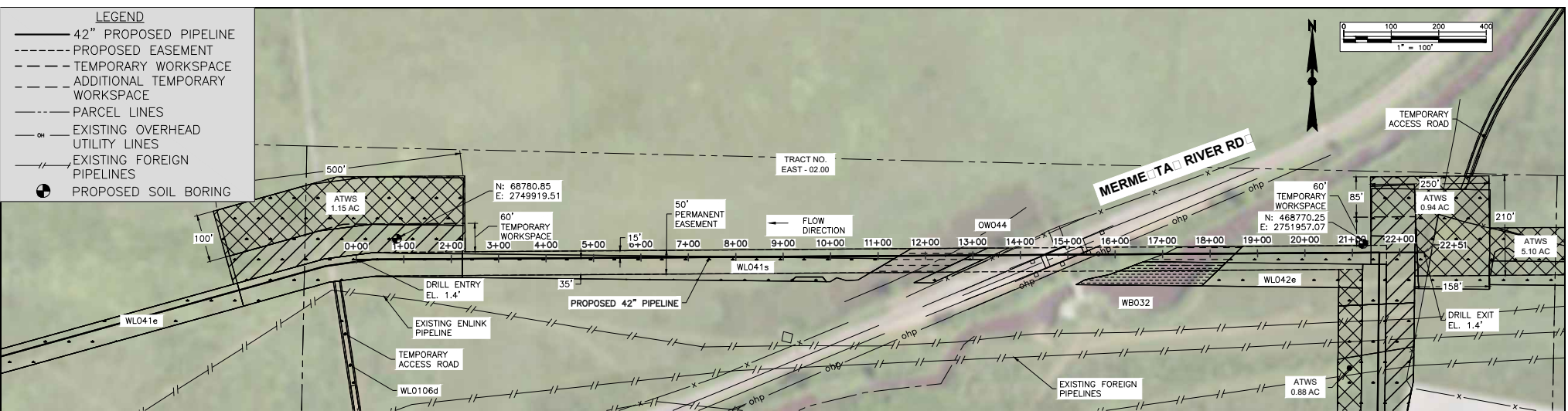
REV	DATE	BY	DESCRIPTION	CK	APP
E	10/31/17	TCB	REVISED TEXT SIZE IN TITLE BLOCK	NP	-
D	02/29/16	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	DK
C	08/26/15	TCB	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-
B	08/21/15	AS	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-

DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

CAMERON PARISH, LOUISIANA		42" NATURAL GAS PIPELINE PROPOSED EAST LATERAL PIPELINE - MILEPOST 22.9 TO 23.4 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT	
DATE: 07/07/15	SCALE: NTS	DRAWN BY: CNW	DRAWING NUMBER: TCPPL-M-125
SHEET NO: 27	REV: E		

PIPELINE MATERIAL SUMMARY

REVISIONS

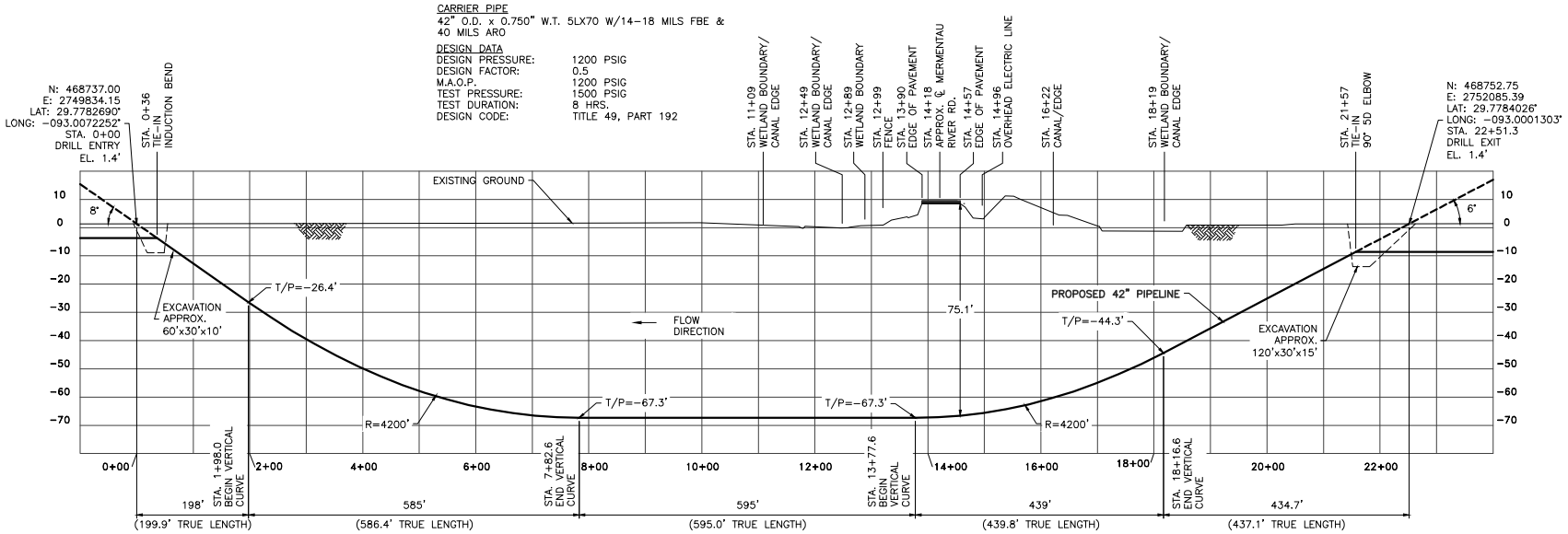


GENERAL NOTES

- HORIZONTAL DATUM IS LOUISIANA STATE PLANE COORDINATES, SOUTH ZONE, NAD83. VERTICAL DATUM IS NAVD88.
- CROSSING INFORMATION SHALL BE IN ACCORDANCE WITH APPLICABLE ROADWAY PERMIT REQUIREMENTS.
- THE COMPANY HAS MADE AN EFFORT TO LOCATE ALL UNDERGROUND FACILITIES NOW EXISTING, BUT DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION SHOWN ON THIS MAP NOR DOES IT ACCEPT ANY RESPONSIBILITY FOR ERRORS IN LOCATION OR FOR FAILURE TO INDICATE ANY SUCH FAILURES.
- CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

CARRIER PIPE
 42" O.D. x 0.750" W.T. 5LX70 W/14-18 MILS FBE & 40 MILS ARO

DESIGN DATA
 DESIGN PRESSURE: 1200 PSIG
 DESIGN FACTOR: 0.5
 M.A.O.P.: 1200 PSIG
 TEST PRESSURE: 1500 PSIG
 TEST DURATION: 8 HRS.
 DESIGN CODE: TITLE 49, PART 192



RE ED OR PERMIT
 P R P E

 T R TR T

PREPARED BY:
EN Engineering
 28100 TORCH PKWY.
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 TEL 630-353-4000
 FAX 630-353-7777
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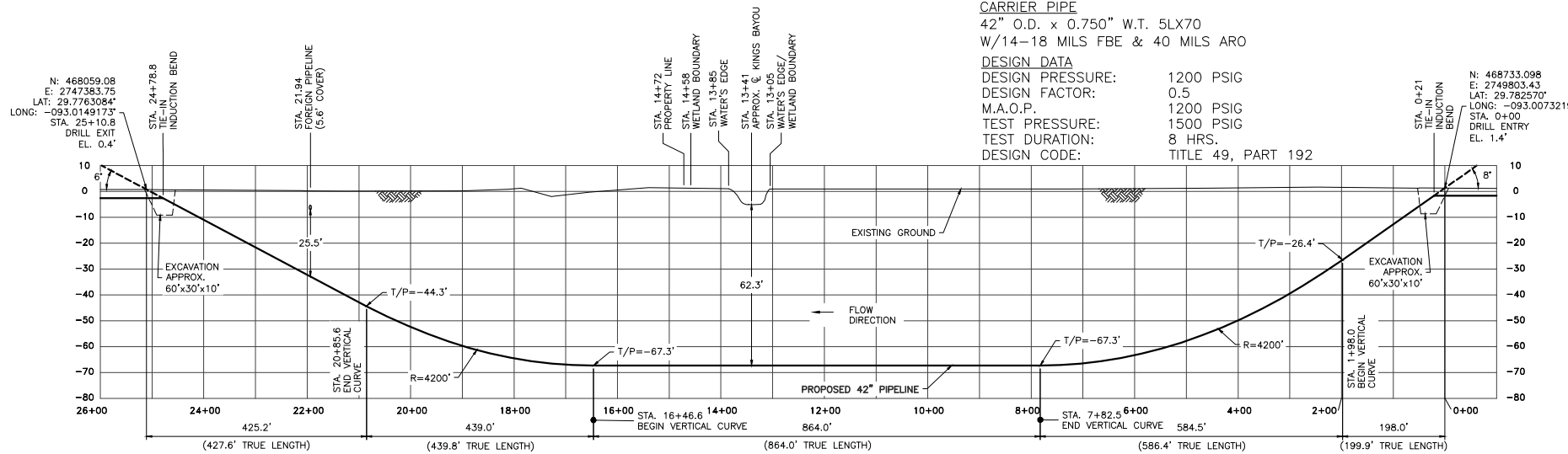
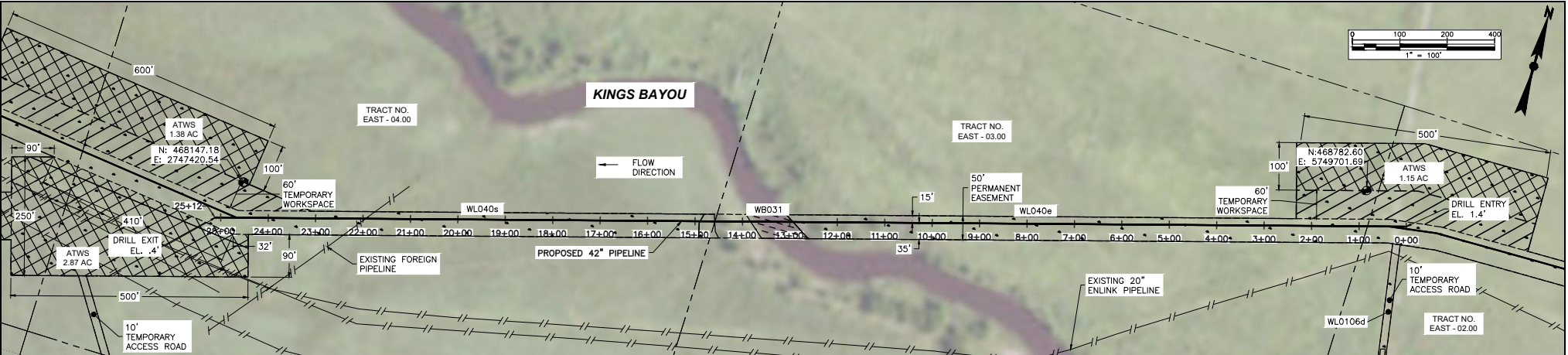
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C	02/24/16	RJL	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	DK	-
B	08/19/15	CNW	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	DK	-

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

MERMENTAU RIVER ROAD HDD DETAIL
 EAST LATERAL - M.P. 0.5
 CALCASEUJ PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH LOUISIANA
 DATE: 07/28/15 SCALE: 1"=100'
 DRAWN BY: CNW DRAWING NUMBER: TCPP-L-M-200 SHEET NO: E

REVISIONS



- GENERAL NOTES**
- HORIZONTAL DATUM IS LOUISIANA STATE PLANE COORDINATES, SOUTH ZONE, NAD83. VERTICAL DATUM IS NAVD88.
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 - CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

REVISIONS PERMITTED
 PERMITTED
 PERMITTED
 PERMITTED

LEGEND

— 42" PROPOSED PIPELINE	— PARCEL LINES
- - - PROPOSED EASEMENT	— EXISTING OVERHEAD UTILITY LINES
- - - TEMPORARY WORKSPACE	— EXISTING FOREIGN PIPELINES
- - - ADDITIONAL TEMPORARY WORKSPACE	● PROPOSED SOIL BORING

PREPARED BY:
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 WARRENVILLE, IL 60555
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REVISIONS

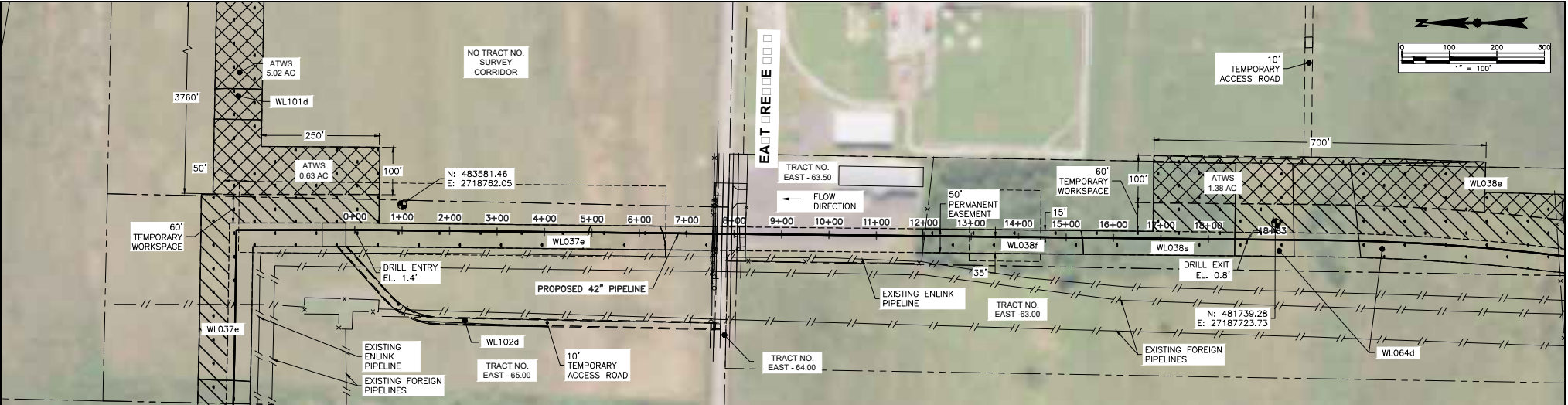
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DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

KINGS BAYOU HDD DETAIL
 EAST LATERAL - M.P. 0.5
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH LOUISIANA

DATE: 07/28/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-201 SHEET NO: E REV: E

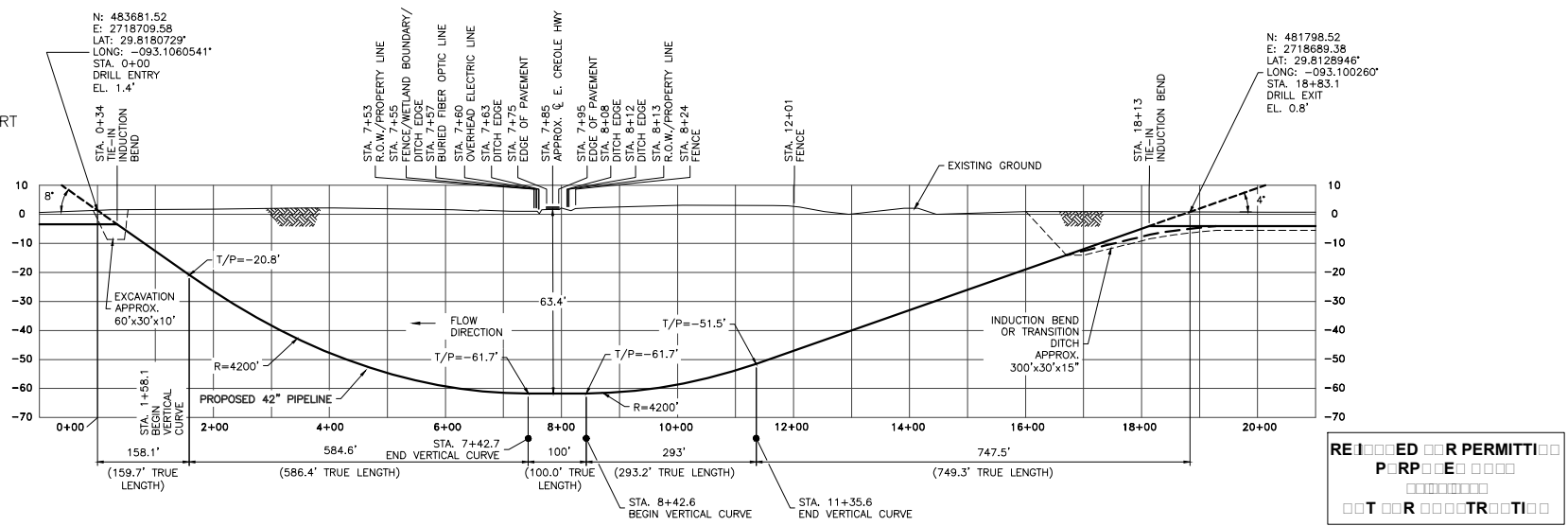


CARRIER PIPE
 42" O.D. x 0.750" W.T. 5LX70 W/14-18 MILS FBE & 40 MILS ARO

DESIGN DATA
 DESIGN PRESSURE: 1200 PSIG
 DESIGN FACTOR: 0.5
 M.A.O.P. 1200 PSIG
 TEST PRESSURE: 1800 PSIG
 TEST DURATION: 8 HRS.
 DESIGN CODE: TITLE 49, PART 192

GENERAL NOTES

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LEGEND	
— 42" PROPOSED PIPELINE	— PARCEL LINES
- - - PROPOSED EASEMENT	- - - EXISTING OVERHEAD UTILITY LINES
- - - TEMPORARY WORKSPACE	- - - EXISTING FOREIGN PIPELINES
- - - ADDITIONAL TEMPORARY WORKSPACE	● PROPOSED SOIL BORING

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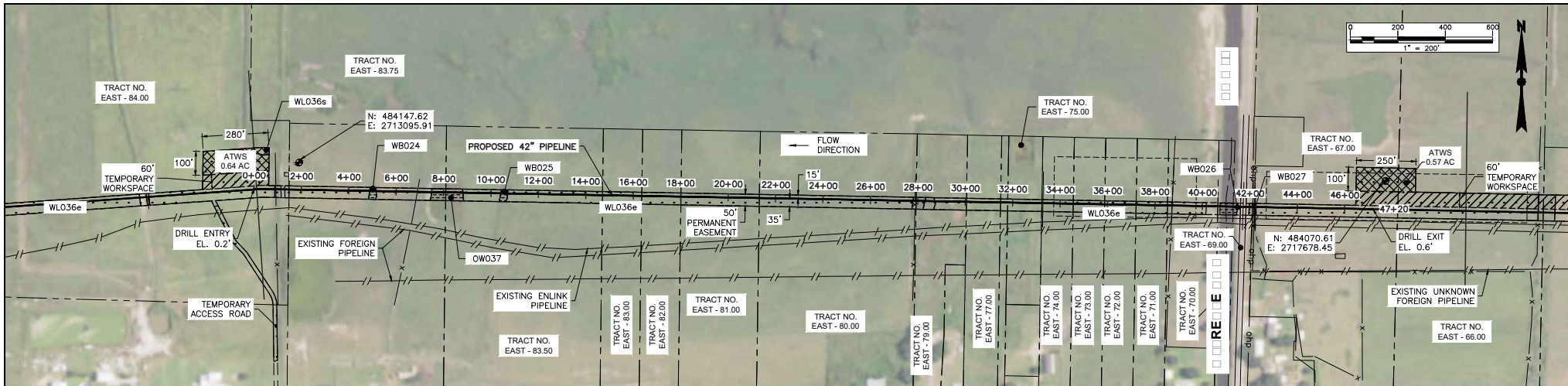
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DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

**E. CREOLE HWY HDD DETAIL
 EAST LATERAL - M.P. 8.3
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT**

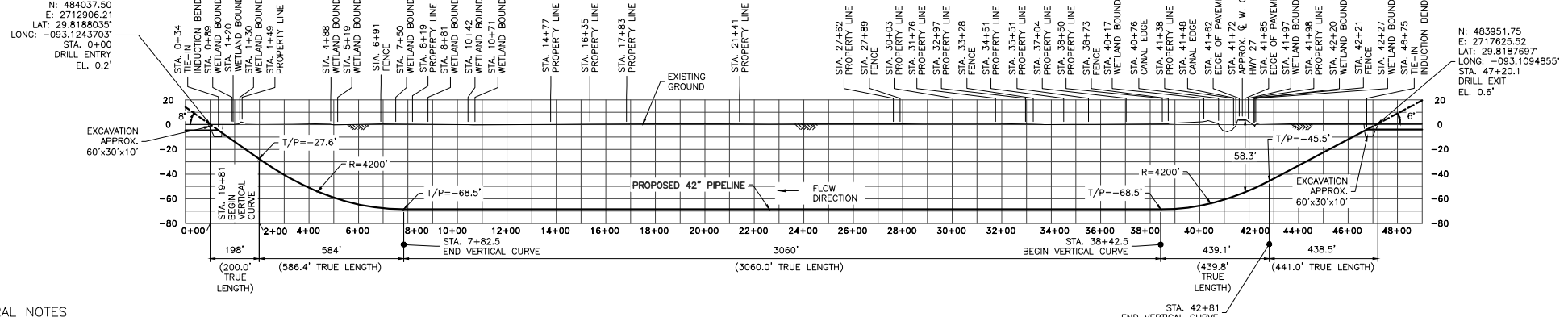
CAMERON PARISH LOUISIANA
 DATE: 07/28/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-202 SHEET NO: E REV: E

REVISIONS PERMITTED
 PERMITTED
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DESIGN DATA
 DESIGN PRESSURE: 1200 PSIG
 DESIGN FACTOR: 0.5
 M.A.O.P.: 1200 PSIG
 TEST PRESSURE: 1800 PSIG
 TEST DURATION: 8 HRS.
 DESIGN CODE: TITLE 49, PART 192

CARRIER PIPE
 42" O.D. x 0.750" W.T. 5LX70
 W/14-18 MILS FBE & 40 MILS ARO



- GENERAL NOTES**
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 - CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

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 P R P E

 T O R T R O T I

LEGEND

— 42" PROPOSED PIPELINE	— PARCEL LINES
- - - PROPOSED EASEMENT	- - - EXISTING OVERHEAD UTILITY LINES
- - - TEMPORARY WORKSPACE	- - - EXISTING FOREIGN PIPELINES
- - - ADDITIONAL TEMPORARY WORKSPACE	● PROPOSED SOIL BORING

PREPARED BY:
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 28100 TORCH PKWY.
 WARRENVILLE, IL 60555
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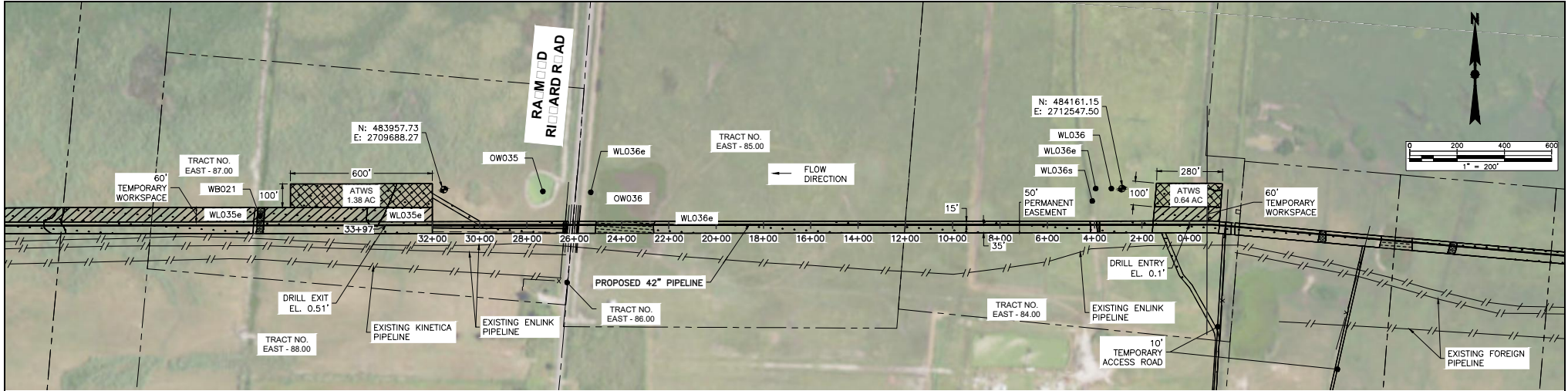
REVISIONS

REV	DATE	BY	DESCRIPTION	CK	APP
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DESIGNED IN ACCORDANCE WITH TITLE 49- PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

W. CREOLE HWY - HWY 27 HDD DETAIL EAST LATERAL - M.P. 9.4 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

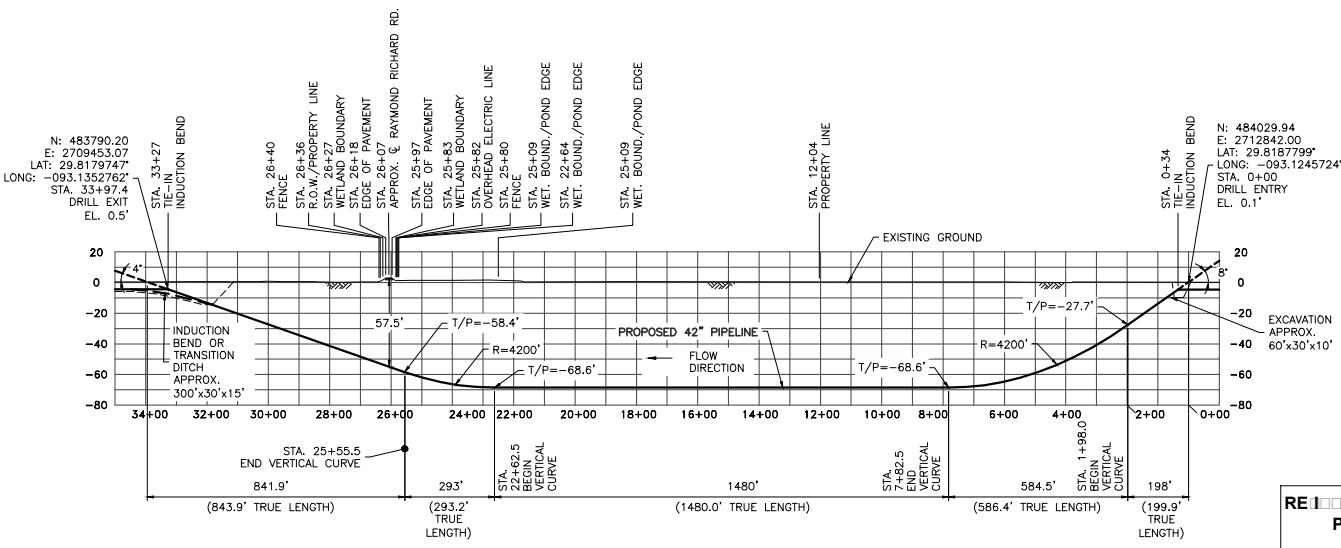
CAMERON PARISH		LOUISIANA	
DATE: 07/28/15	SCALE: NTS	DRAWN BY: CNW	DRAWING NUMBER: TCPPL-M-203
		SHEET NO: E	REV: E



- GENERAL NOTES**
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CARRIER PIPE
 42" O.D. x 0.750" W.T. 5LX70
 W/14-18 MILS FBE & 40 MILS ARO

DESIGN DATA
 DESIGN PRESSURE: 1200 PSIG
 DESIGN FACTOR: 0.5
 M.A.O.P.: 1200 PSIG
 TEST PRESSURE: 1500 PSIG
 TEST DURATION: 8 HRS.
 DESIGN CODE: TITLE 49, PART 192



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 PERMITTING
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LEGEND

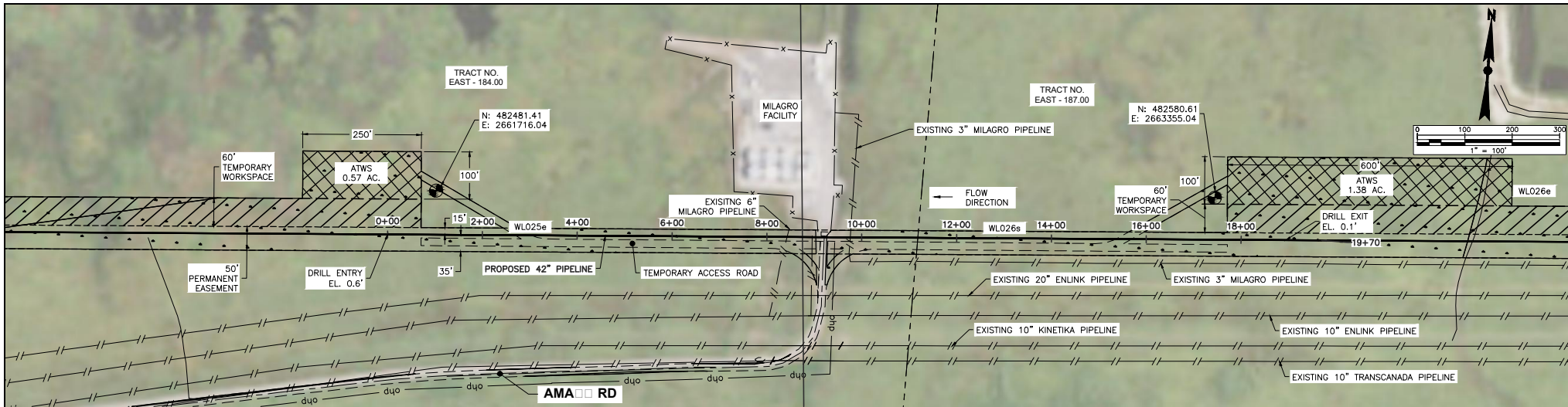
— 42" PROPOSED PIPELINE	— PARCEL LINES
- - - PROPOSED EASEMENT	- - - EXISTING OVERHEAD UTILITY LINES
- - - TEMPORARY WORKSPACE	- - - EXISTING FOREIGN PIPELINES
- - - ADDITIONAL TEMPORARY WORKSPACE	● PROPOSED SOIL BORING

PREPARED BY:
EN Engineering
 28100 TORCH PKWY.
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 FAX 630-353-7777
 WWW.ENENGINEERING.COM

REV	DATE	BY	DESCRIPTION	CHK	APP
E	10/31/17	TCB	REVISED TEXT SIZE IN TITLE BLOCK	NP	-
D	08/19/16	TCB	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	NP	-
C	02/24/16	RJL	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	DK	-
B	08/19/15	CNW	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	DK	-

DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

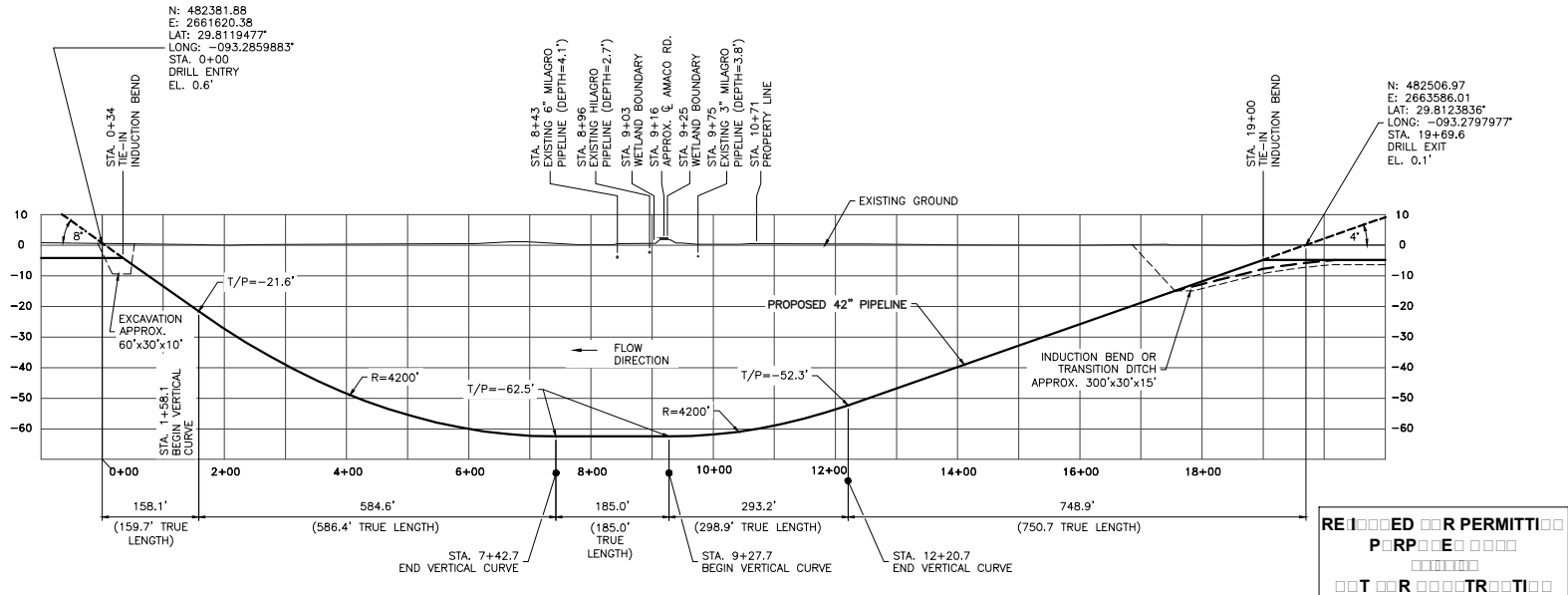
RAYMOND RICHARD ROAD HDD DETAIL EAST LATERAL - M.P. 9.4 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT		LOUISIANA	
CAMERON PARISH	DATE: 07/29/15	SCALE: NTS	DRAWN BY: CNW
DRAWING NUMBER: TCPPL-M-204	SHEET NO: E	REVISION: E	



- GENERAL NOTES**
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CARRIER PIPE
 42" O.D. x 0.750" W.T. 5LX70
 W/14-18 MILS FBE & 40 MILS ARO

DESIGN DATA
 DESIGN PRESSURE: 1200 PSIG
 DESIGN FACTOR: 0.5
 M.A.O.P. 1200 PSIG
 TEST PRESSURE: 1500 PSIG
 TEST DURATION: 8 HRS.
 DESIGN CODE: TITLE 49, PART 192



LEGEND

— 42" PROPOSED PIPELINE	— PARCEL LINES
- - - PROPOSED EASEMENT	— OH — EXISTING OVERHEAD UTILITY LINES
- - - TEMPORARY WORKSPACE	— EXISTING FOREIGN PIPELINES
- - - ADDITIONAL TEMPORARY WORKSPACE	⊕ PROPOSED SOIL BORING

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 28100 TORCH PKWY.
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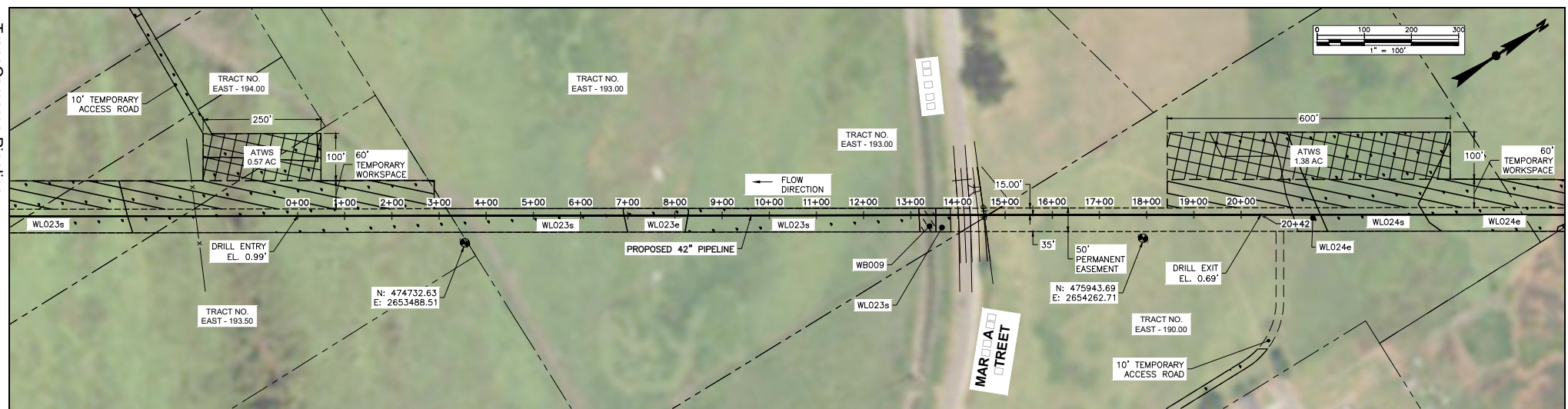
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C	02/24/16	RJL	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	DK	-
B	08/19/15	CNW	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	DK	-

DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

AMACO ROAD HDD DETAIL
 EAST LATERAL - M.P. 19.1
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH LOUISIANA

DATE: 08/14/15	SCALE: NTS	DRAWN BY: CNW	DRAWING NUMBER: TCPPL-M-205	SHEET NO: E	REV: E
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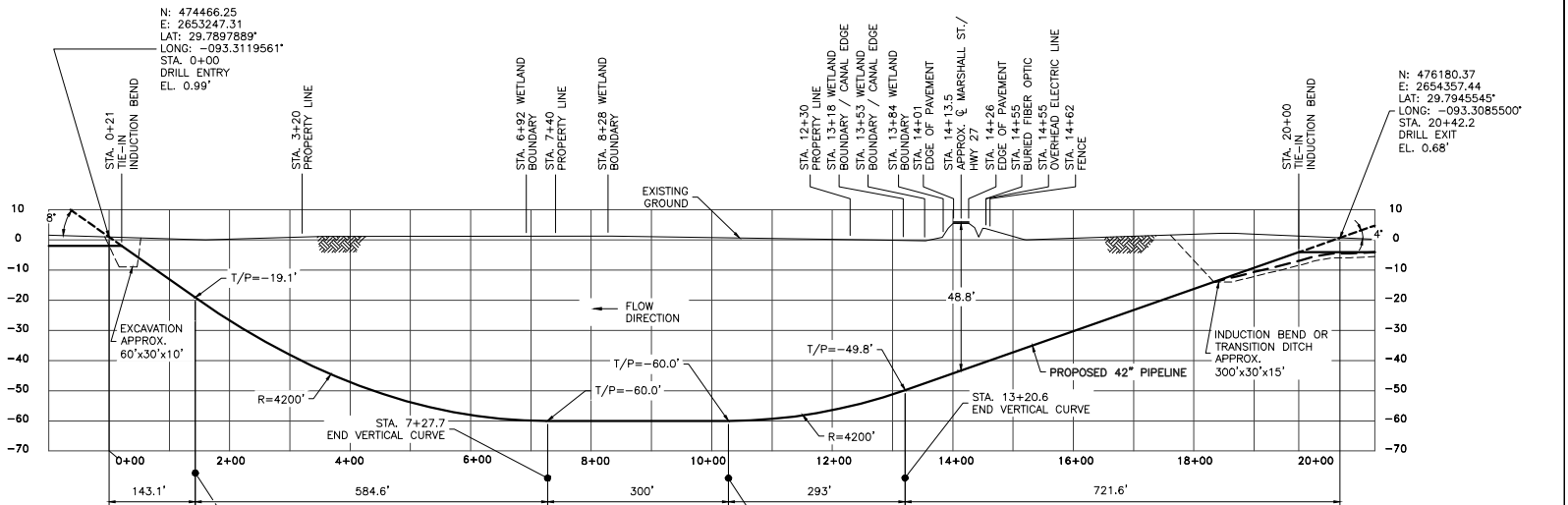


GENERAL NOTES

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CARRIER PIPE
 42" O.D. x 0.750" W.T. 5LX70
 W/14-18 MILS FBE & 40 MILS ARO

DESIGN DATA
 DESIGN PRESSURE: 1200 PSIG
 DESIGN FACTOR: 0.5
 M.A.O.P. 1200 PSIG
 TEST PRESSURE: 1500 PSIG
 TEST DURATION: 8 HRS.
 DESIGN CODE: TITLE 49, PART 192



LEGEND	
—— 42" PROPOSED PIPELINE	—— PARCEL LINES
---- PROPOSED EASEMENT	—o— EXISTING OVERHEAD UTILITY LINES
--- TEMPORARY WORKSPACE	--- EXISTING FOREIGN PIPELINES
--- ADDITIONAL TEMPORARY WORKSPACE	● PROPOSED SOIL BORING

PREPARED BY:
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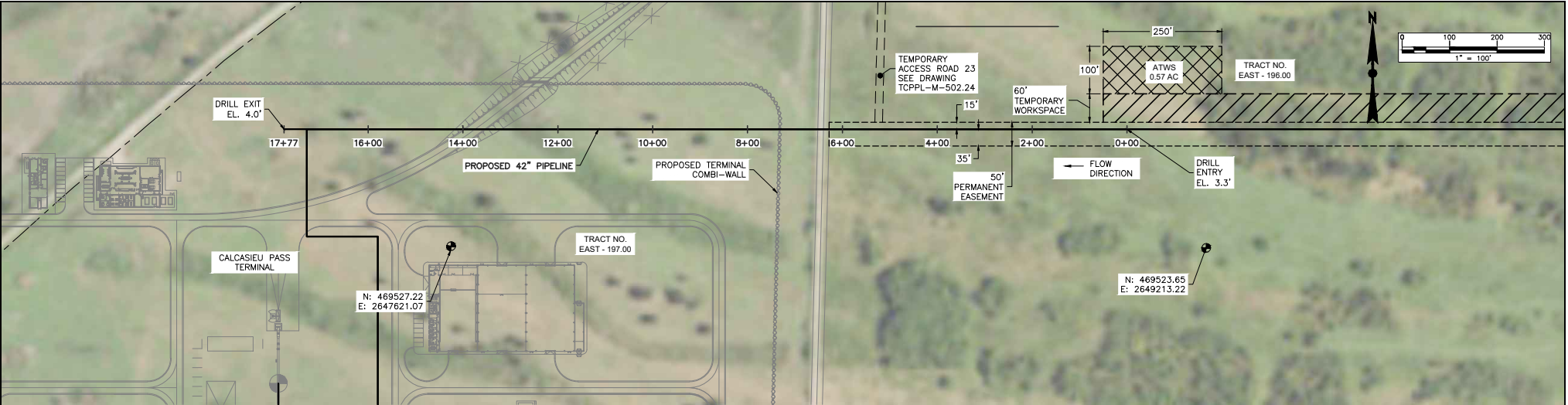
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DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

**MARSHALL STREET - HWY 27 HDD DETAIL
 EAST LATERAL - M.P. 21.3
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH LOUISIANA
 DATE: 07/27/15 SCALE: NTS DRAWN BY: CNW DRAWING NUMBER: TCPPL-M-206 SHEET NO: E REV: E

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 P R P E
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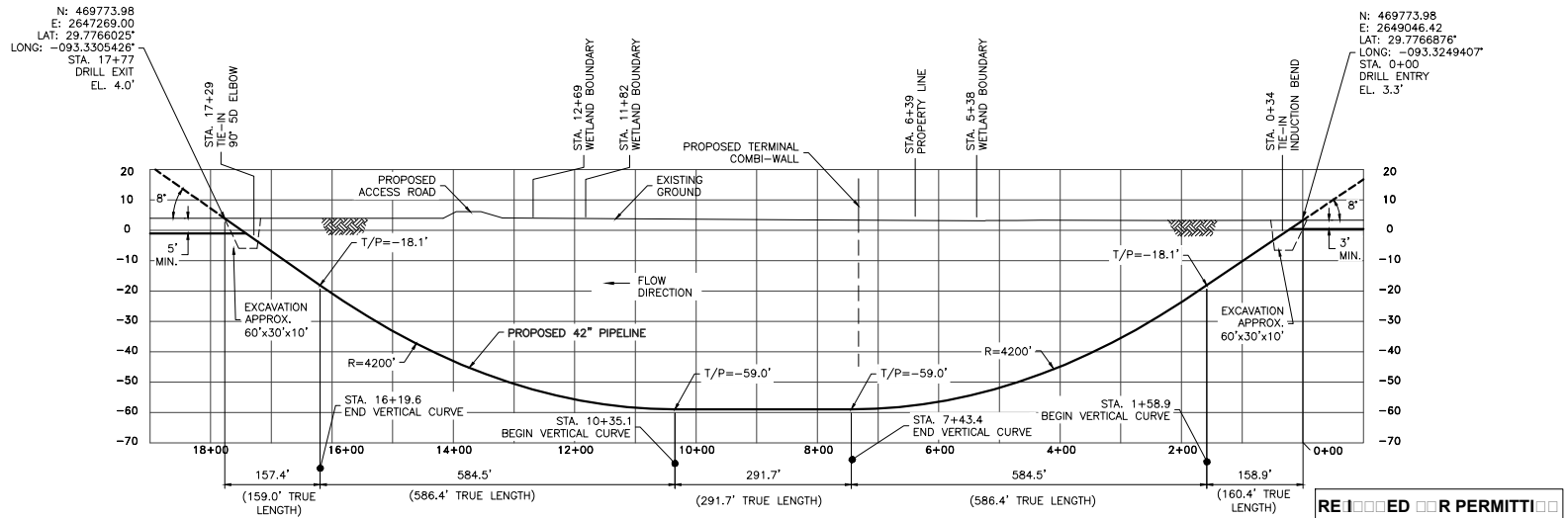
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CARRIER PIPE

42" O.D. x 0.750" W.T. 5LX70
W/14-18 MILS FBE & 40 MILS ARO

DESIGN DATA
 DESIGN PRESSURE: 1200 PSIG
 DESIGN FACTOR: 0.5
 M.A.O.P. 1200 PSIG
 TEST PRESSURE: 1500 PSIG
 TEST DURATION: 8 HRS.
 DESIGN CODE: TITLE 49, PART 192



REVISIONS PERMITTED
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LEGEND

— 42" PROPOSED PIPELINE	— PARCEL LINES
- - - PROPOSED EASEMENT	— EXISTING OVERHEAD UTILITY LINES
- - - TEMPORARY WORKSPACE	— EXISTING FOREIGN PIPELINES
- - - ADDITIONAL TEMPORARY WORKSPACE	● PROPOSED SOIL BORING

PREPARED BY:
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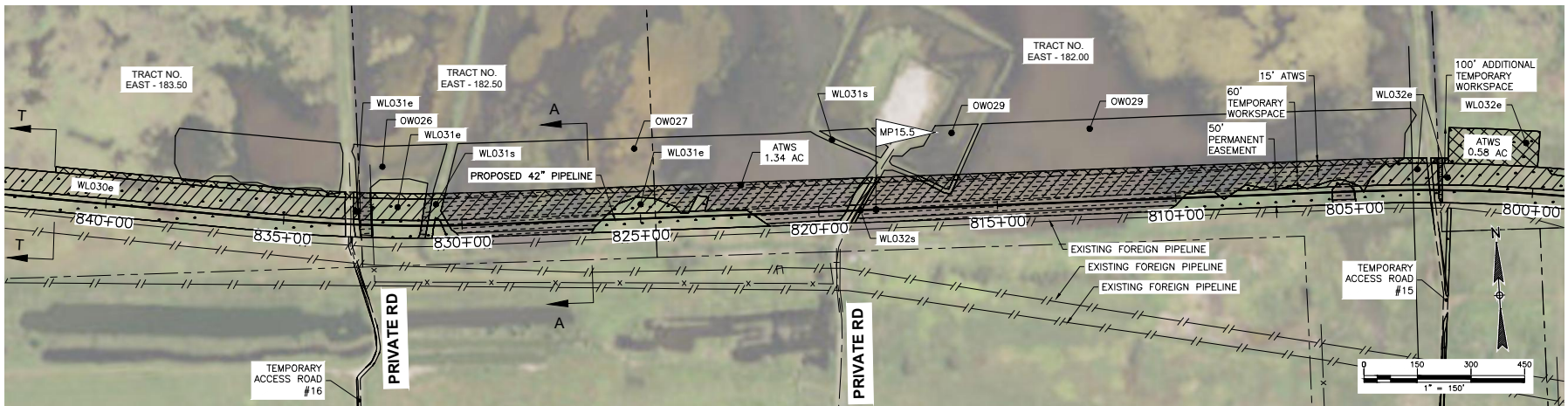
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REVISIONS

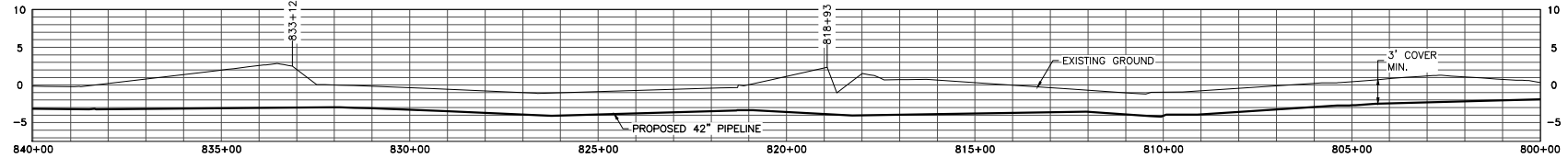
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EAST LATERAL - TO TERMINAL HDD DETAIL
 EAST LATERAL - M.P. 23.0
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT

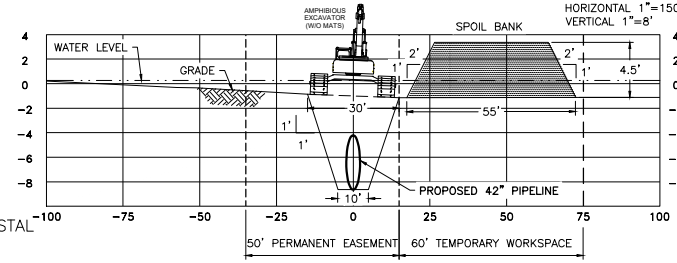
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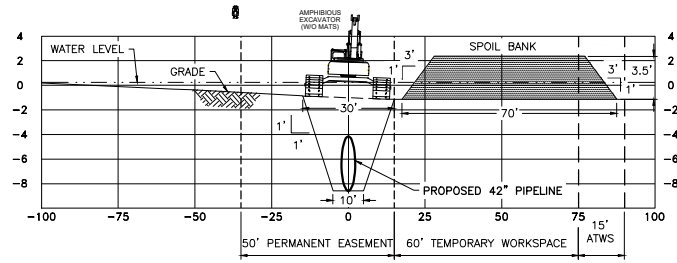
PLAN VIEW
SCALE: 1"=150'



PROFILE VIEW
HORIZONTAL 1"=150'
VERTICAL 1"=8'



CROSS SECTION T-T
TYPICAL SECTION - NO ATWS
HORIZONTAL 1"=20'
VERTICAL 1"=5'



CROSS SECTION A-A
HORIZONTAL 1"=20'
VERTICAL 1"=5'

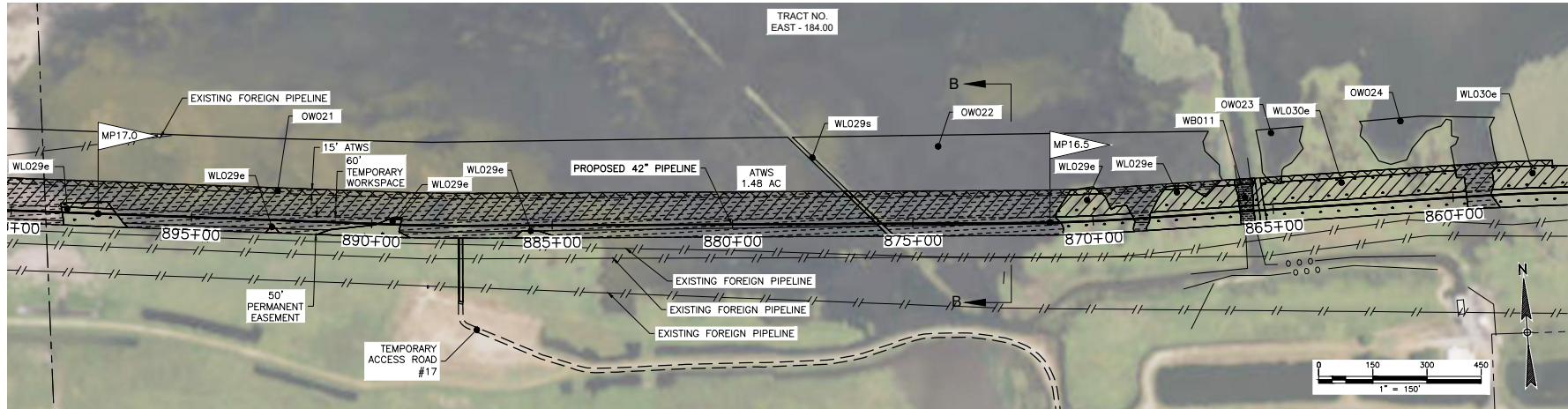
LEGEND

- 42" PROPOSED PIPELINE
- - - - PROPOSED EASEMENT
- - - - TEMPORARY WORKSPACE
- - - - ADDITIONAL TEMPORARY WORKSPACE (ATWS)
- - - - PROPERTY LINE
- * - * - FENCE
- . - . - WATER'S EDGE
- - - - FOREIGN PIPELINE
- - - - OH POWER LINE
- - - - TELEPHONE LINE
- +—+—+ GUARD RAIL
- ⊕ POWER POLE
- ⊗ GUY WIRE
- ⊠ CABLE PEDESTAL
- ⌒ CULVERT
- ⊙ RISER
- ⊕ VENT
- ⊕ W WELL
- ⊕ VALVE
- ⊕ HYDRANT
- ⊕ SIGN
- ⊕ WETLANDS

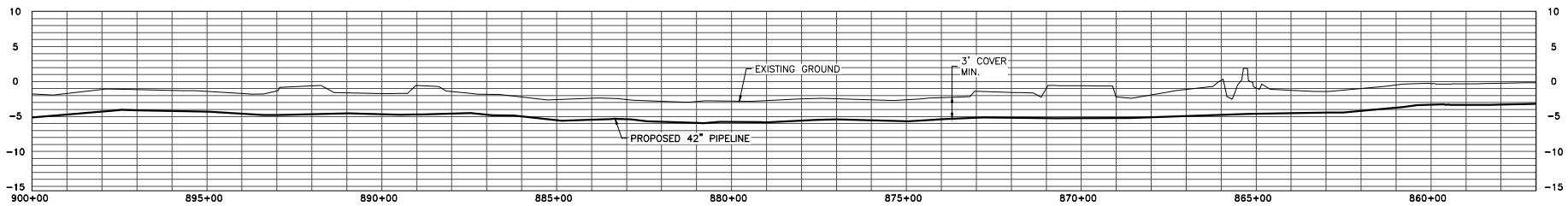
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ENEngineering		D 08/19/16 TCB REVISED PER COMMENTS; RE-ISSUED FOR PERMIT		TB NP		
28100 TORCH PKWY. WARRENVILLE, IL, 60555 TEL. 630-353-4000 FAX 630-353-7777 WWW.ENENGINEERING.COM		C 06/21/16 CNW REVISED PER COMMENTS; RE-ISSUED FOR PERMIT		TB		
		B 02/25/16 CNW REVISED PER COMMENTS; RE-ISSUED FOR PERMIT		DK		
		REV	DATE	BY		DESCRIPTION

CAMERON PARISH		LOUISIANA	
DATE:	SCALE:	DRAWN BY:	DRAWING NUMBER:
08/12/15	NTS	AS	TCPLP-M-208
SHEET NO:	REV:		
	E		

REVISIONS

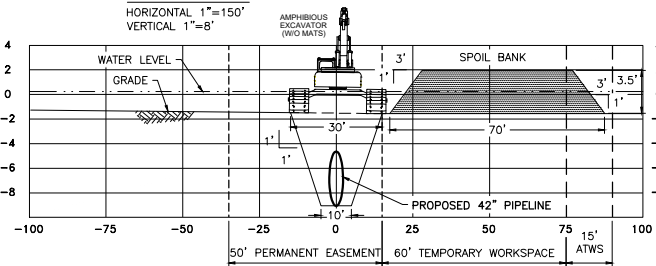


PLAN VIEW
SCALE: 1"=150'



PROFILE VIEW

HORIZONTAL 1"=150'
VERTICAL 1"=8'



CROSS SECTION B-B

HORIZONTAL 1"=20'
VERTICAL 1"=5'

LEGEND	
— 42" PROPOSED PIPELINE	— GUARD RAIL
- - - - - PROPOSED EASEMENT	⊕ POWER POLE
- - - - - TEMPORARY WORKSPACE	⊗ GUY WIRE
- - - - - ADDITIONAL TEMPORARY WORKSPACE (ATWS)	⊠ CABLE PEDESTAL
- - - - - PROPERTY LINE	⊔ CULVERT
* * * * * FENCE	⊙ RISER
— · · · · WATER'S EDGE	⊖ VENT
- · - · - FOREIGN PIPELINE	⊙ WELL
- · - · - OH POWER LINE	⊗ VALVE
- · - · - TELEPHONE LINE	⊙ HYDRANT
	⊙ SIGN
	⊙ WETLANDS

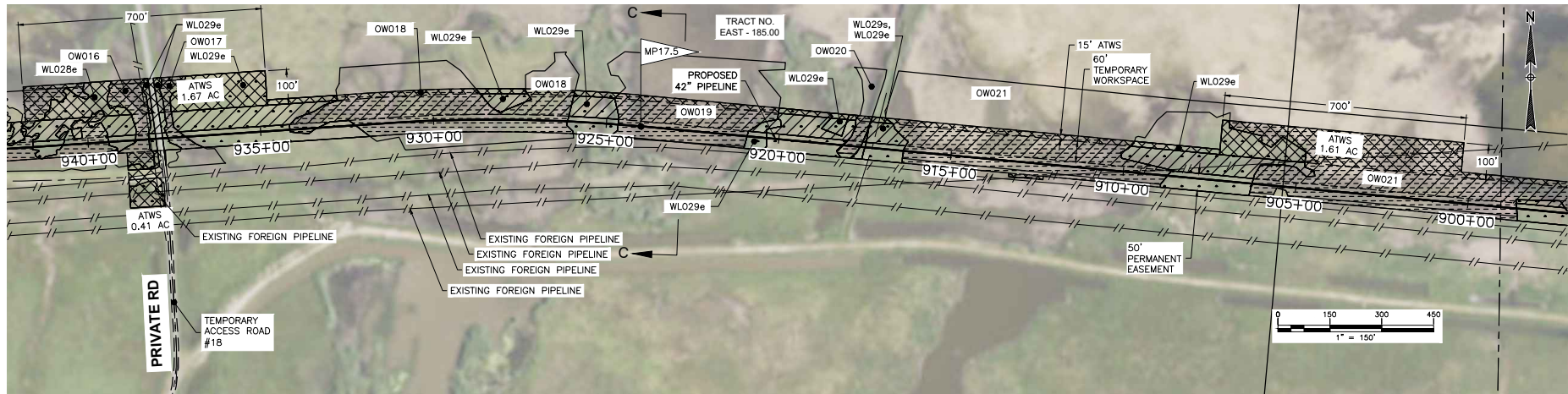
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D	08/19/16	TCB	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	NP
C	06/21/16	CNW	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	TB	-
B	02/25/16	CNW	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	DK	-

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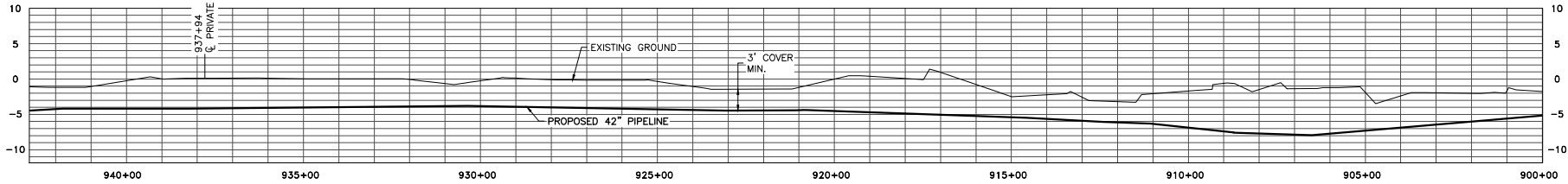
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		SHEET NO: E	REV: E

REVISIONS

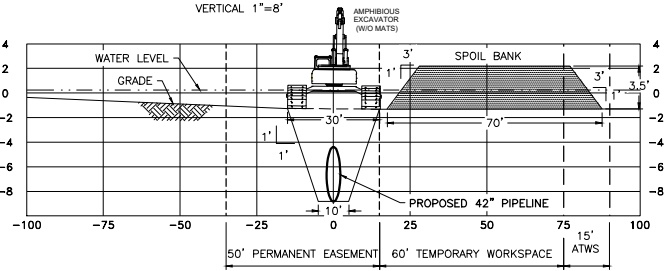
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PLAN VIEW
SCALE: 1"=150'



PROFILE VIEW
HORIZONTAL 1"=150'
VERTICAL 1"=8'



CROSS SECTION C-C
HORIZONTAL 1"=20'
VERTICAL 1"=5'

LEGEND

——— 42" PROPOSED PIPELINE	—+—+— GUARD RAIL
- - - - - PROPOSED EASEMENT	⊕ POWER POLE
- - - - - TEMPORARY WORKSPACE	⊗ GUY WIRE
- - - - - ADDITIONAL TEMPORARY WORKSPACE (ATWS)	⊠ CABLE PEDESTAL
- - - - - PROPERTY LINE	⌒ CULVERT
* * * * * FENCE	Ⓡ RISER
— · — · — WATER'S EDGE	Ⓢ VENT
- · - · - FOREIGN PIPELINE	Ⓣ WELL
— ▸ — OH POWER LINE	Ⓤ VALVE
- · - · - TELEPHONE LINE	Ⓥ HYDRANT
	Ⓦ SIGN
	Ⓧ WETLANDS

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E	10/31/17	TCB	REVISED TEXT SIZE IN TITLE BLOCK	NP	-
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B	02/25/16	CNW	REVISED PER COMMENTS; RE-ISSUED FOR PERMIT	DK	-

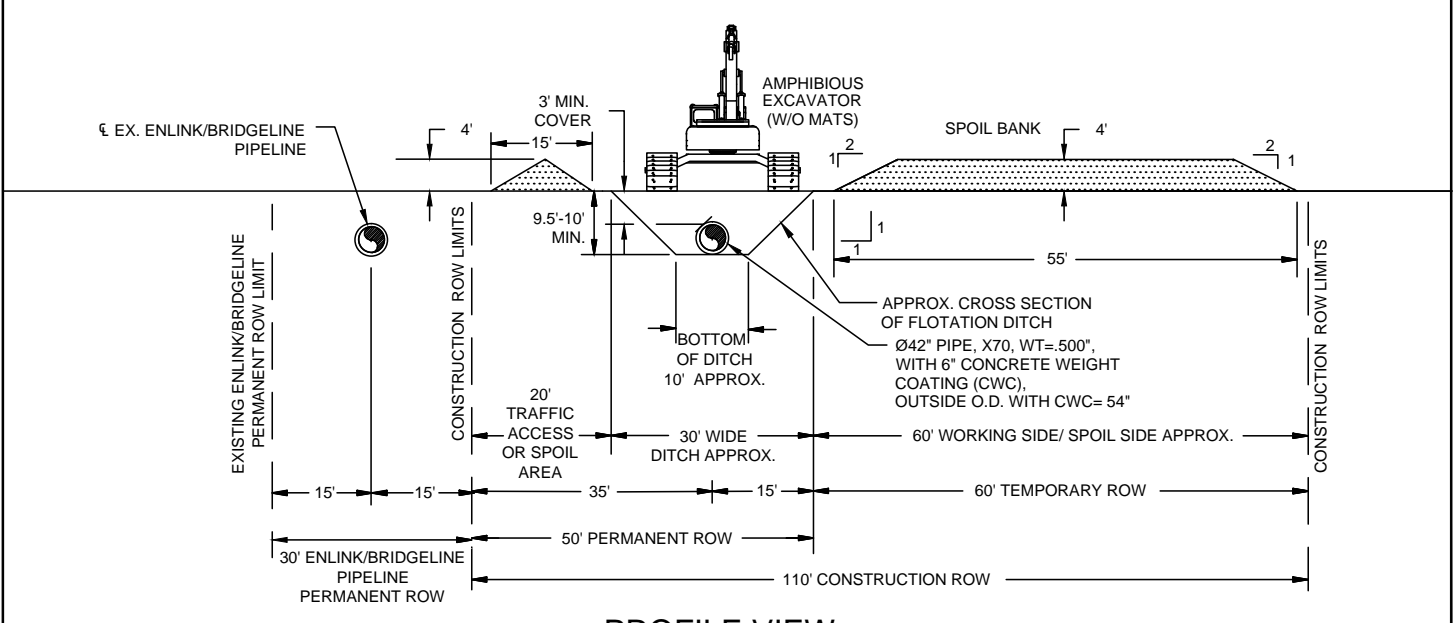
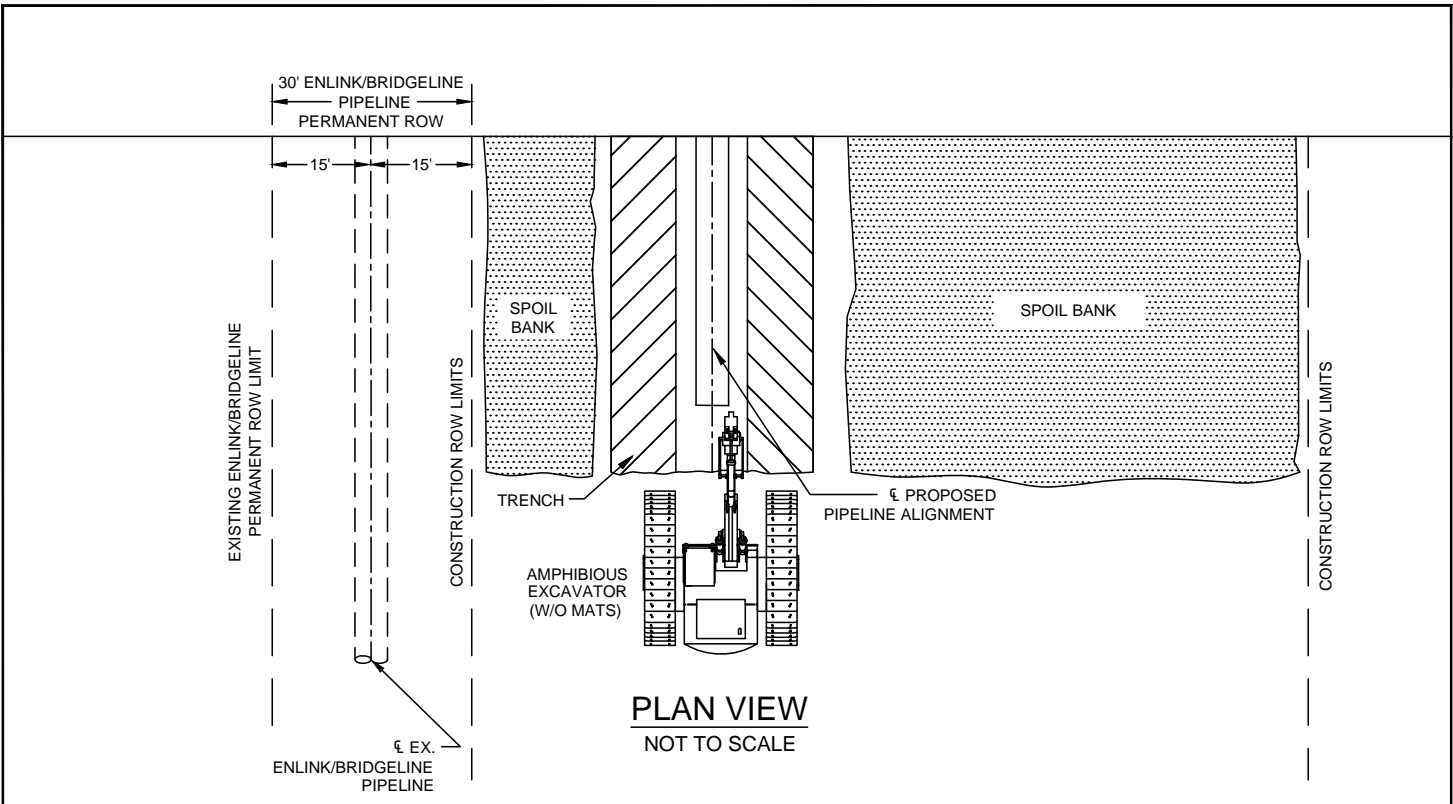
DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPIC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

OW016, OW017, OW018, OW019 & OW021 CROSSING EAST LATERAL M.P. 17.0 TO M.P. 17.8 CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH LOUISIANA

DATE: 08/12/15 SCALE: NTS DRAWN BY: AS DRAWING NUMBER: TCPPL-M-210 SHEET NO: E REV: E

REVISIONS



NOTES:

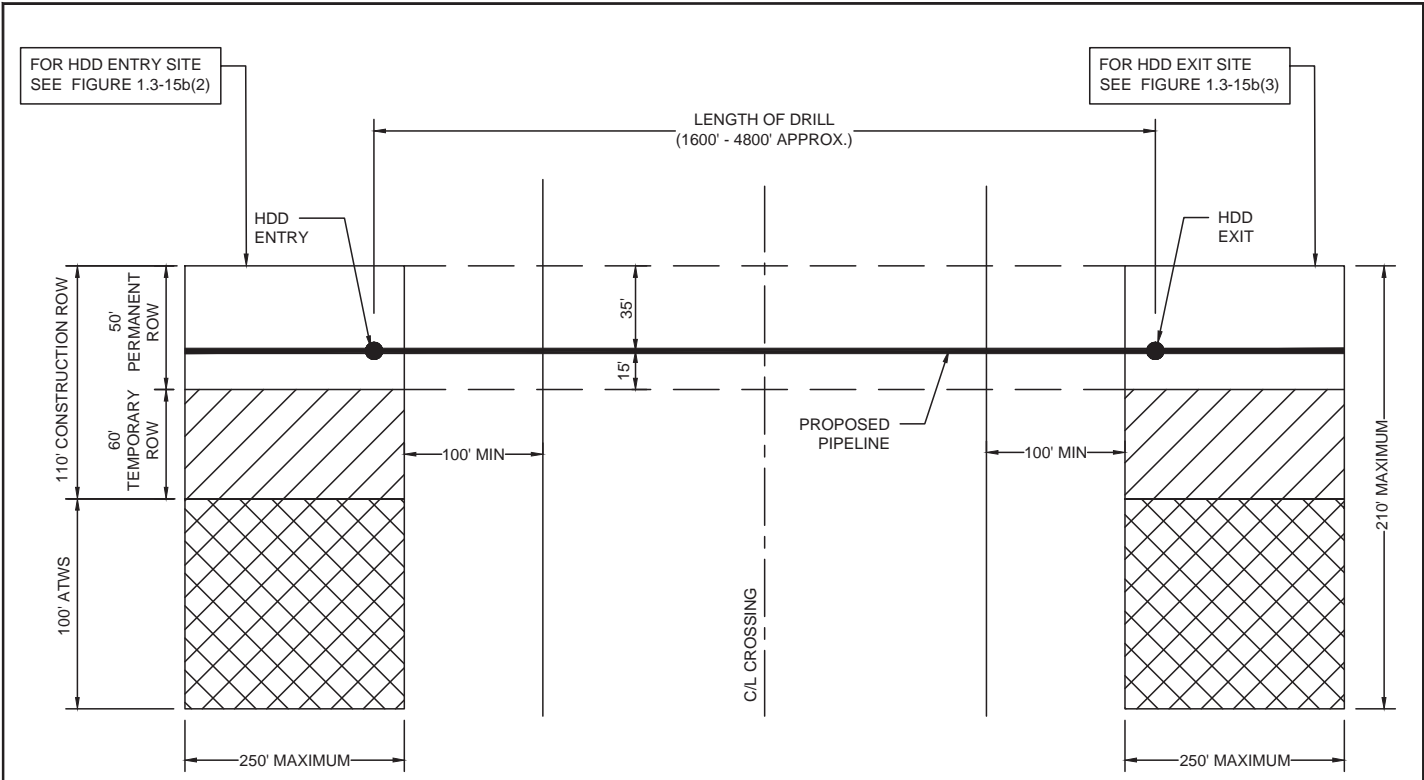
1. CONSTRUCTION RIGHT-OF-WAY (ROW) WILL TYPICALLY BE 110 FEET WIDE CONSISTING OF 50 FEET PERMANENT EASEMENT AND UP TO 60 FEET OF TEMPORARY WORKSPACE. ATWS WILL BE NECESSARY AT FOREIGN PIPELINE, GRAVEL ROAD, CANAL CROSSINGS AND OTHER SPECIAL CIRCUMSTANCES.
2. RESTRICT ROOT GRUBBING TO TRENCH AREA.
3. TOPSOIL SALVAGE IS NOT REQUIRED IN SATURATED SOIL.
4. UTILIZES AMPHIBIOUS EXCAVATORS AND OTHER SUPPORT EQUIPMENT.
5. KEEP SOIL PILES CLEAN OF ALL CONSTRUCTION DEBRIS.
6. LEAVE GAPS IN SPOIL PILES AT OBVIOUS DRAINAGES. DO NOT PUSH UPLAND SOILS INTO CREEKS OR WETLANDS.
7. FABRICATE PIPE IN ATWS STAGING AREAS.
8. BACKFILL TRENCH WITH NATIVE MATERIAL AS EXCAVATED. AVOID SCALPING VEGETATED GROUND SURFACE WHEN BACKFILLING.

WORK METHOD	APPLICABLE STATIONING
TYPICAL PUSH	52+62 - 418+30
TYPICAL PUSH	532+20 - 996+50
TYPICAL PUSH	1016+10 - 1122+60

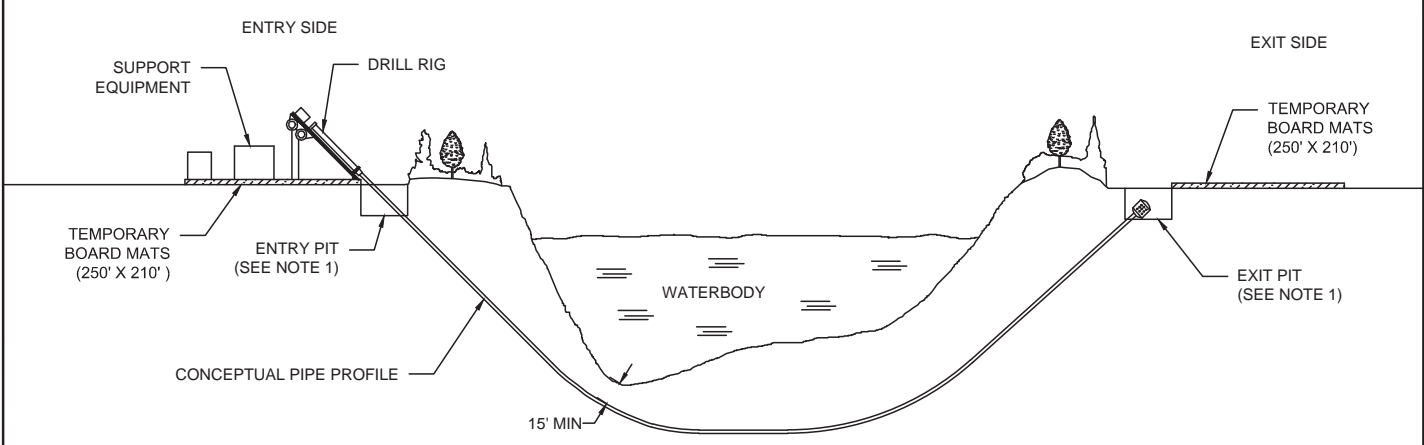
FIGURE 1.3-15a(4)
TYPICAL PUSH SECTION ROW (PARALLEL TO EX. ENLINK/BRIDGELINE PIPELINE)
CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT



CAMERON PARISH, LOUISIANA	SCALE: NTS	DATE: 07/27/2015	REV: 08/19/16	DRAWN BY: KBI
DRAWING NUMBER: FIGURE 1.3-15a(4)				



PLAN VIEW
NOT TO SCALE



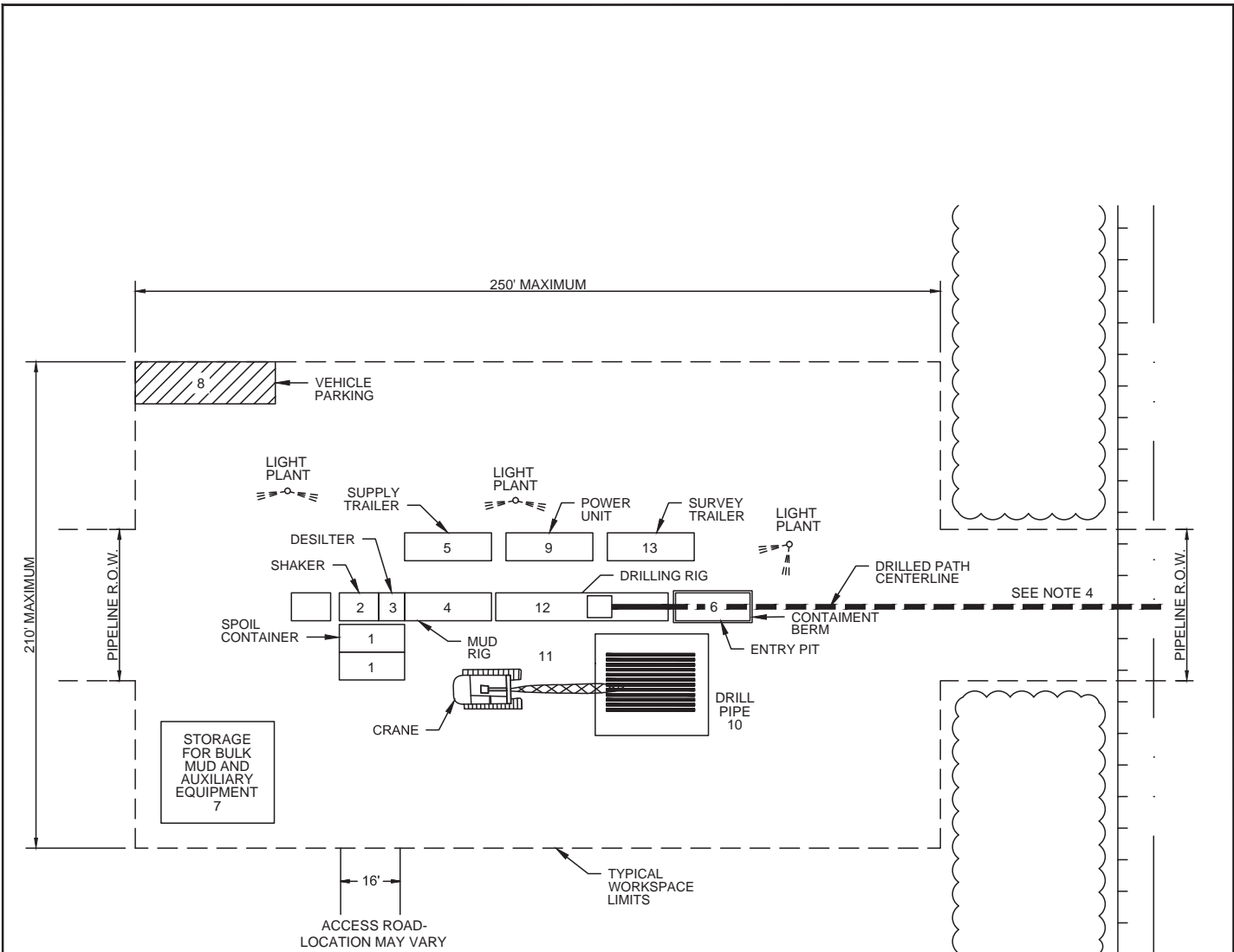
NOTES:
1. SEE HDD SITE SPECIFIC PLAN FOR TIE-IN EXCAVATION.

PROFILE VIEW
NOT TO SCALE

FIGURE 1.3-15b(1)
TYPICAL HDD CONSTRUCTION ROW
CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

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DRAWING NUMBER: FIGURE 1.3-15b(1)				



EQUIPMENT:

- 1. SPOIL CONTAINER: 8' x 20'
- 2. SHAKER: 8' x 12'
- 3. DESILTER: 8' x 8'
- 4. MUD RIG: 8.5' x 45'
- 5. SUPPLY TRAILER: 8' x 25'
- 6. ENTRY PIT: 10' x 30'
- 7. STORAGE: 30' x 30'
- 8. VEHICLE PARKING: 15' x 50'
- 9. POWER UNIT: 8.5' x 40'
- 10. DRILL PIPE: 30' x 40'
- 11. CRANE: 10' x 20'
- 12. DRILLING RIG: 8.5' x 53'
- 13. SURVEY TRAILER: 8' x 25'

NOTES:

- 1. EQUIPMENT ORIENTATION MAY VARY DEPENDING ON CONTRACTOR OR SITE CONDITIONS.
- 2. EQUIPMENT TO BE SUPPORTED ON THE GROUND SURFACE OR TIMBER MATS AS CONDITIONS DICTATE.
- 3. SILT FENCE, BERMS AND/OR STRAW BALE BARRIER TO BE USED AS REQUIRED TO PREVENT IMPACTS FROM OCCURRING OUTSIDE OF PROJECT LIMITS.
- 4. HAND CLEARED ACCESS PATH WILL BE USED TO OBTAIN WATER FROM SOURCE WHERE PERMITTED.

ENTRY SITE PLAN
SCALE: N.T.S.

FIGURE 1.3-15b(2)
TYPICAL HDD ENTRY SITE
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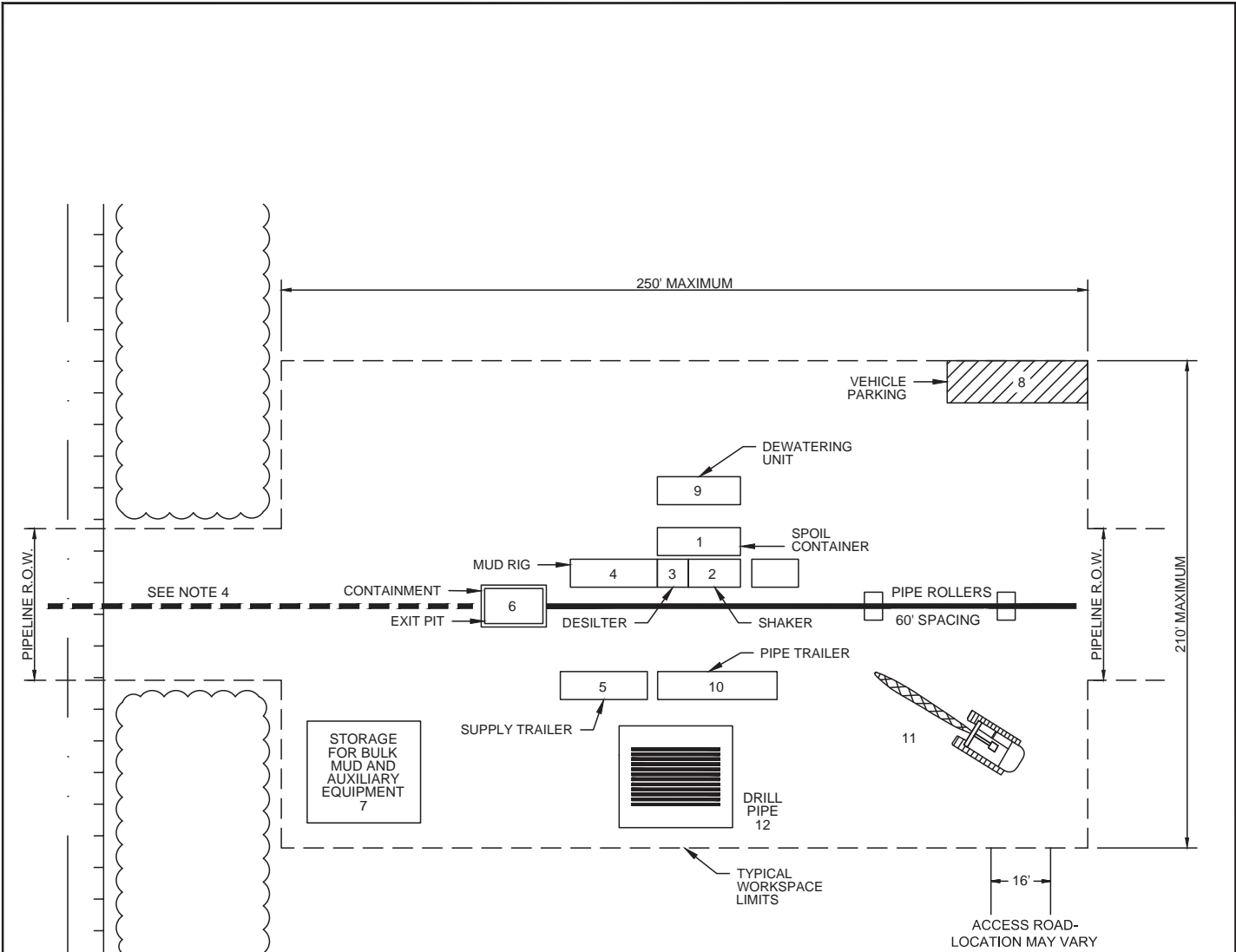
DRAWING NUMBER:
FIGURE 1.3-15b(2)

SCALE:
NONE

DATE:
12/23/15

REV:
01/21/16

DRAWN BY:
MFL



EQUIPMENT:

- 1. SPOIL CONTAINER: 8' x 20'
- 2. SHAKER: 8' x 12'
- 3. DESILTER: 8' x 8'
- 4. MUD RIG: 8.5' x 45'
- 5. SUPPLY TRAILER: 8' x 25'
- 6. EXIT PIT: 10' x 30'
- 7. STORAGE: 30' x 30'
- 8. VEHICLE PARKING: 15' x 50'
- 9. DEWATERING UNIT 15' x 50'
- 10. PIPE TRAILER 8' x 40'
- 11. CRANE: 10' x 20'
- 12. DRILL PIPE: 30' x 40'

NOTES:

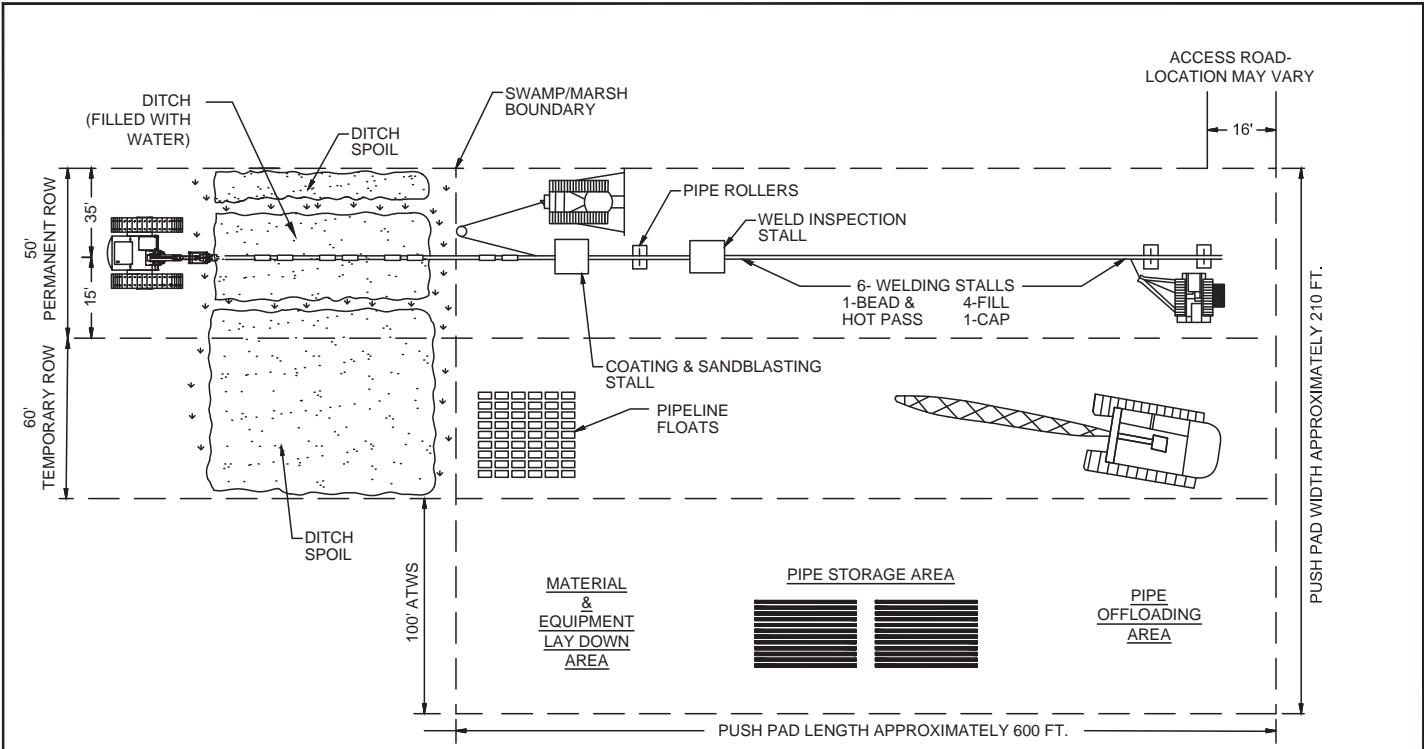
- 1. EQUIPMENT ORIENTATION MAY VARY DEPENDING ON CONTRACTOR OR SITE CONDITIONS.
- 2. EQUIPMENT TO BE SUPPORTED ON THE GROUND SURFACE OR TIMBER MATS AS CONDITIONS DICTATE.
- 3. SILT FENCE, BERMS AND/OR STRAW BALE BARRIER TO BE USED AS REQUIRED TO PREVENT IMPACTS FROM OCCURRING OUTSIDE OF PROJECT LIMITS.
- 4. HAND CLEARED ACCESS PATH WILL BE USED TO OBTAIN WATER FROM SOURCE WHERE PERMITTED.

EXIT SITE PLAN
SCALE: N.T.S.

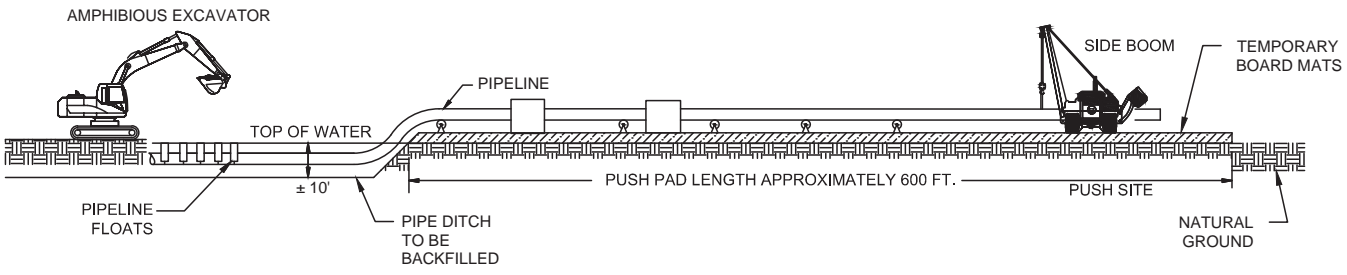
FIGURE 1.3-15b(3)
TYPICAL HDD EXIT SITE
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CAMERON PARISH, LOUISIANA	SCALE: NONE	DATE: 12/23/15	REV: 01/06/16	DRAWN BY: KJP
DRAWING NUMBER: FIGURE 1.3-15b(3)				



PLAN VIEW
NOT TO SCALE



SIDE VIEW
NOT TO SCALE

LOCATION OF PUSH SITES

EAST LATERAL MP
0.99
2.77
7.83
10.04
18.79
19.75
21.16

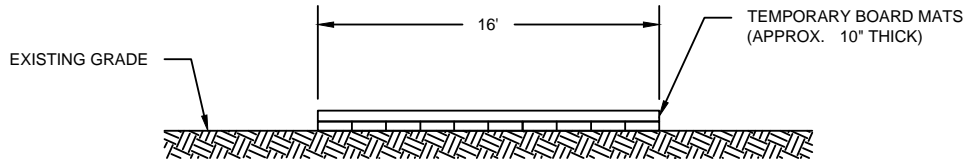
NOTES:

1. WORKSPACE SHOWN IS TYPICAL FOR MARSH-TYPE CONSTRUCTION.
2. AS THE PIPE IS WELDED, THE BULLDOZER PULLS THE STRING INTO THE DITCH.
3. TIMBER MATS ARE REQUIRED.

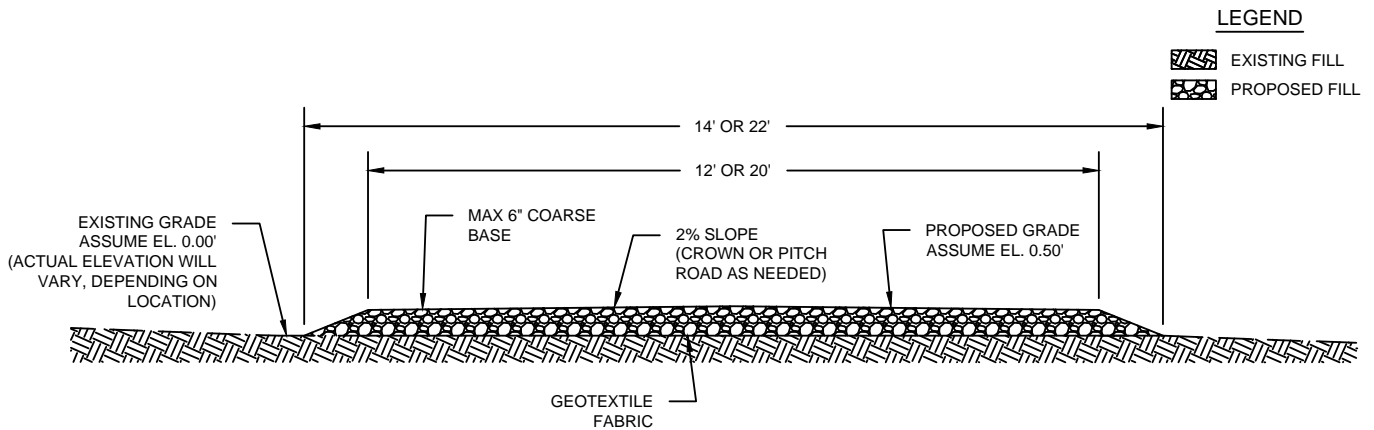
FIGURE 1.3-15c
TYPICAL PUSH SITE (WETLAND CROSSING)
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CAMERON PARISH, LOUISIANA	SCALE: NONE	DATE: 07/28/2015	REV: 01/28/16	DRAWN BY: KBI
DRAWING NUMBER: FIGURE 1.3-15c				



**TYPICAL TEMPORARY ACCESS ROAD
CROSS SECTION**
NOT TO SCALE



**TYPICAL PERMANENT ACCESS ROAD
CROSS SECTION**
NOT TO SCALE

FIGURE 1.3-15d
TYPICAL TEMPORARY ACCESS ROAD AND PERMANENT ACCESS ROAD CROSS SECTION
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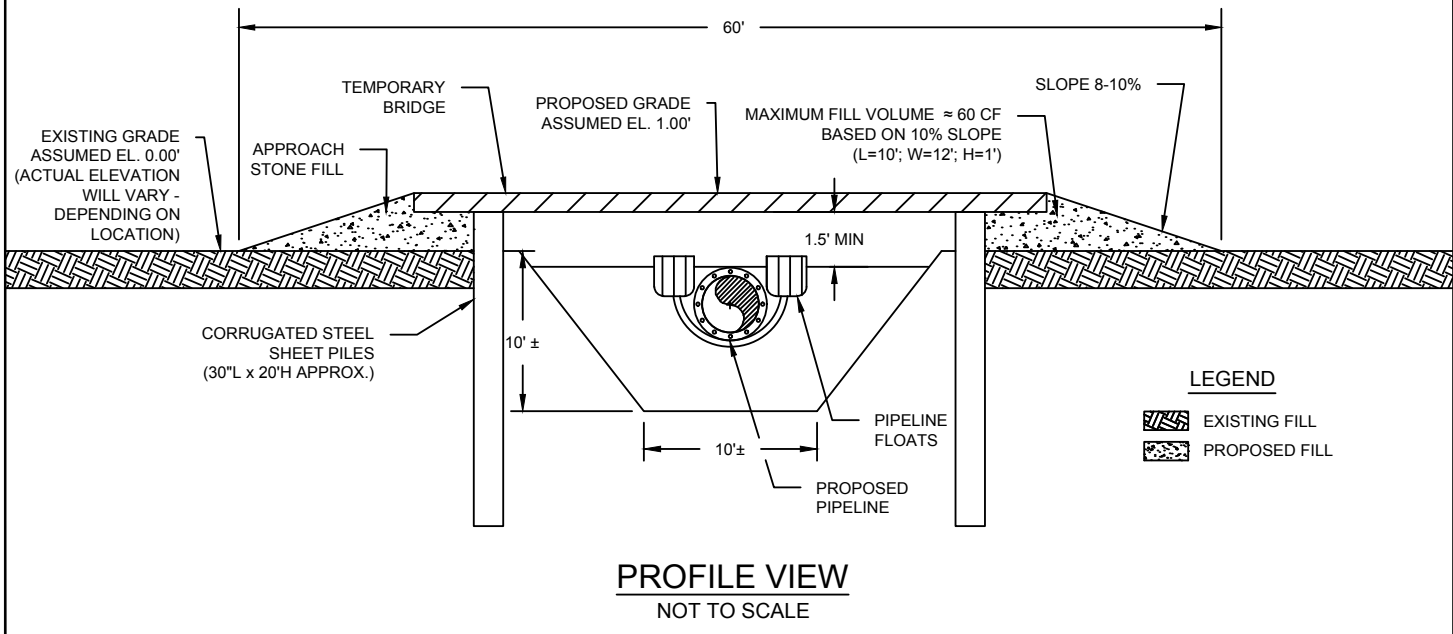
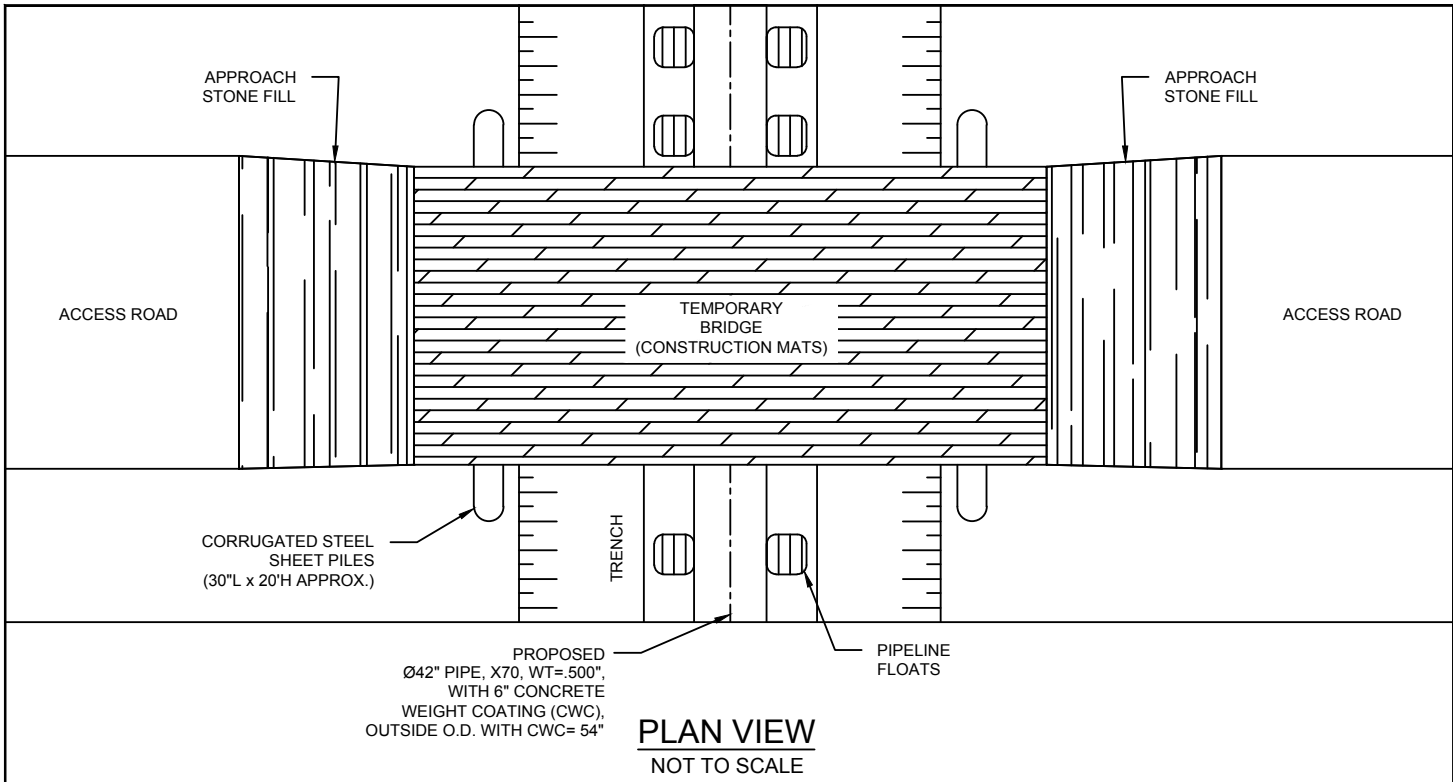
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FIGURE 1.3-15d

SCALE:
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DATE:
07/28/2015

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08/26/16

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LEGEND

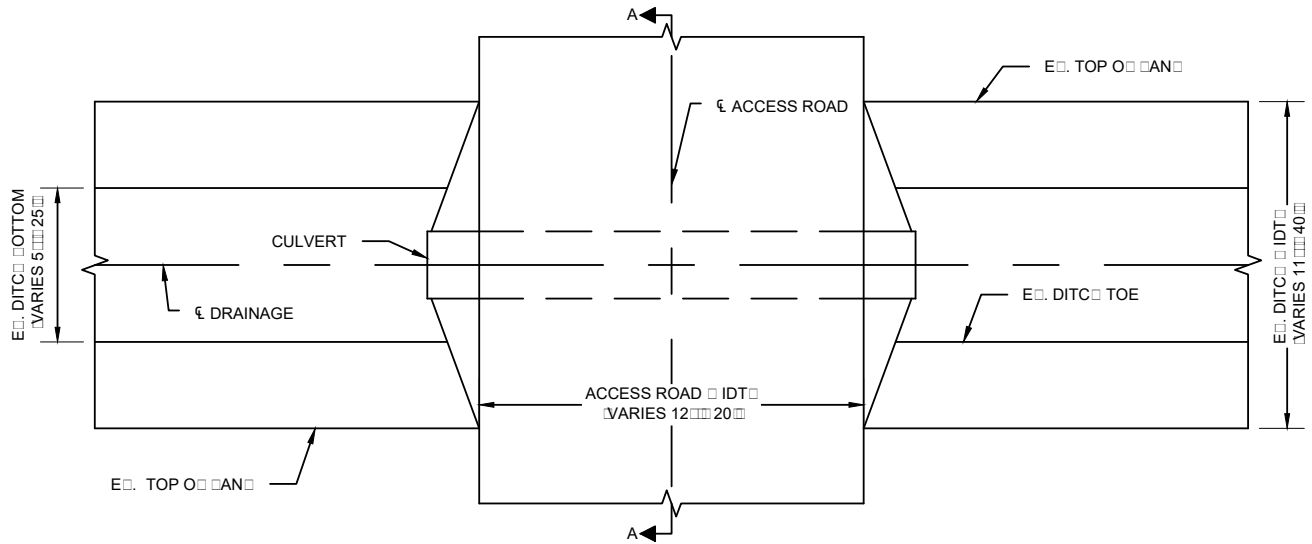
	EXISTING FILL
	PROPOSED FILL

EAST LATERAL STA.	
185+40	802+90
224+00	818+50
236+50	833+10
257+40	937+50
679+00	1065+50
778+10	

FIGURE 1.3-15e
TYPICAL ACCESS ROAD CROSSING
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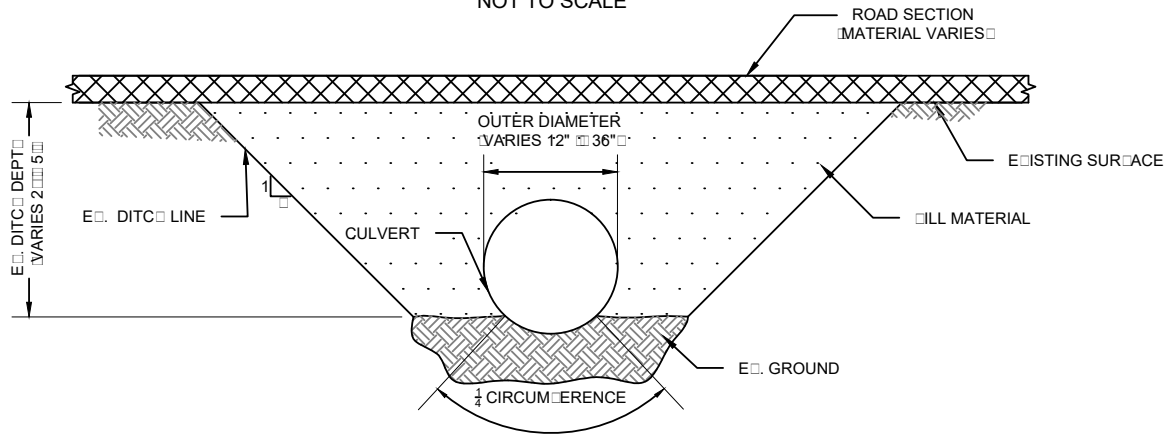
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TYPICAL ACCESS ROAD CULVERT

PLAN VIEW

NOT TO SCALE



TYPICAL ACCESS ROAD CULVERT

CROSS SECTION A-A

NOT TO SCALE

PIPELINE LATERAL MILEPOST	PIPE MATERIAL	ACCESS ROAD NAME	ROAD SURFACE	ROAD IDT FT	FILL MATERIAL	ESTIMATED FILL CYD
EAST LATERAL 0.00	RCP	PAR 1	GRAVEL	20	GRANULAR	44.4
EAST LATERAL 1.04	CMP	TAR 4	TIMBER MATS	16	GRAVEL	32.6
EAST LATERAL 9.46	CMP	TAR 12	TIMBER MATS	16	GRAVEL	16

NOTES

- CULVERT TYPE MATERIAL DETERMINED BY LOCAL ORDINANCE.
- MULTIPLE CULVERTS MAY BE REQUIRED TO MAINTAIN DITC FLOW IN SELECT LOCATIONS.
- FILL QUANTITIES DO NOT INCLUDE THE VOLUME OF PROPOSED CULVERT.

**TYPICAL ACCESS ROAD CULVERT
CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT**

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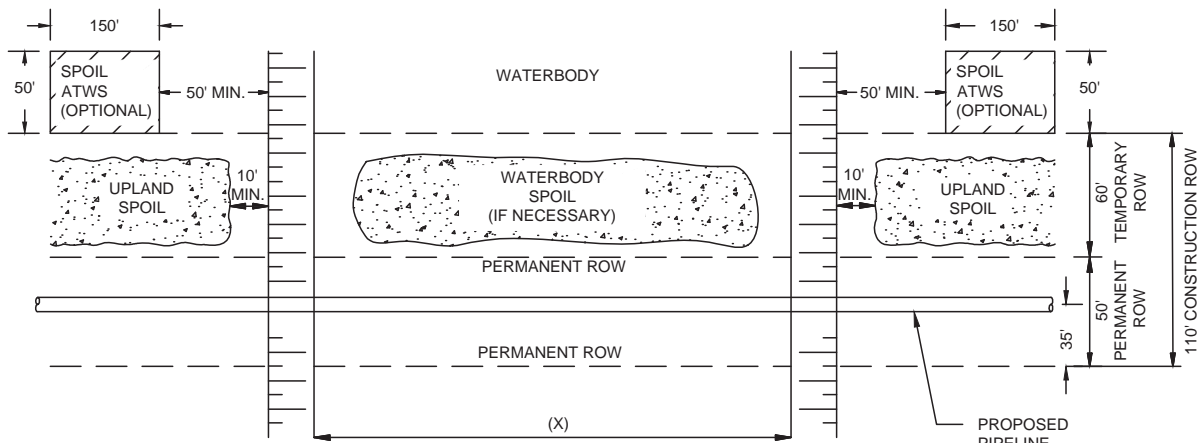
02/15/2016

REV

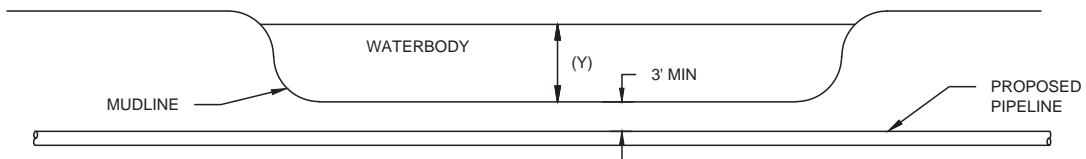
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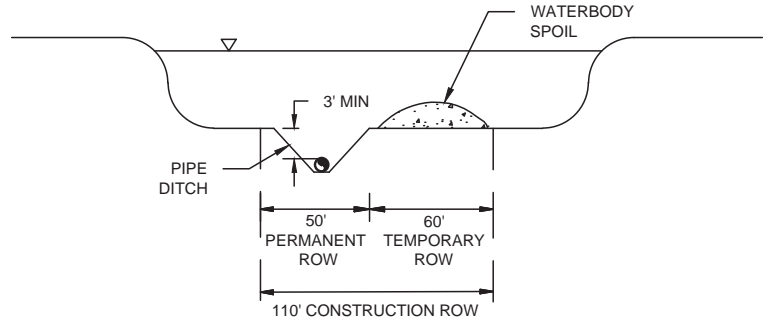
MEL



PLAN VIEW
NOT TO SCALE



SIDE VIEW
NOT TO SCALE



END VIEW

MAJOR WATERBODY CROSSINGS						
LATERAL	#	M.P.	WIDTH (X)	DEPTH (Y)	ATWS	REFERENCE DWG.
EAST	WB032	0.2	196	2.5'	N/A	HDD
EAST	OW044	0.3	139	3.5'	N/A	HDD
EAST	OW037	9.3	131	3.0'	N/A	HDD
EAST	OW036	9.9	244	3.0'	N/A	HDD
EAST	OW052d	14.9	112	2.0'	N/A	TYPICAL
EAST	OW029	15.2	1300	1.7'	N/A	SITE SPECIFIC
EAST	OW027	15.5	1100	0.9'	N/A	SITE SPECIFIC
EAST	OW022	16.4	539	1.3'	N/A	SITE SPECIFIC
EAST	OW021	16.6	3574	1.8'	N/A	SITE SPECIFIC
EAST	OW019	17.4	375	0.8'	N/A	SITE SPECIFIC
EAST	OW018	17.5	694	0.2'	N/A	SITE SPECIFIC
EAST	OW016	17.8	323	1.4'	N/A	SITE SPECIFIC
EAST	OW015	17.9	198	1.2'	N/A	TYPICAL
EAST	OW013	18.0	108	1.2'	N/A	TYPICAL
EAST	OW005	20.3	385	0.6'	YES	TYPICAL

FIGURE 1.3-15f
MAJOR WATERBODY CROSSINGS
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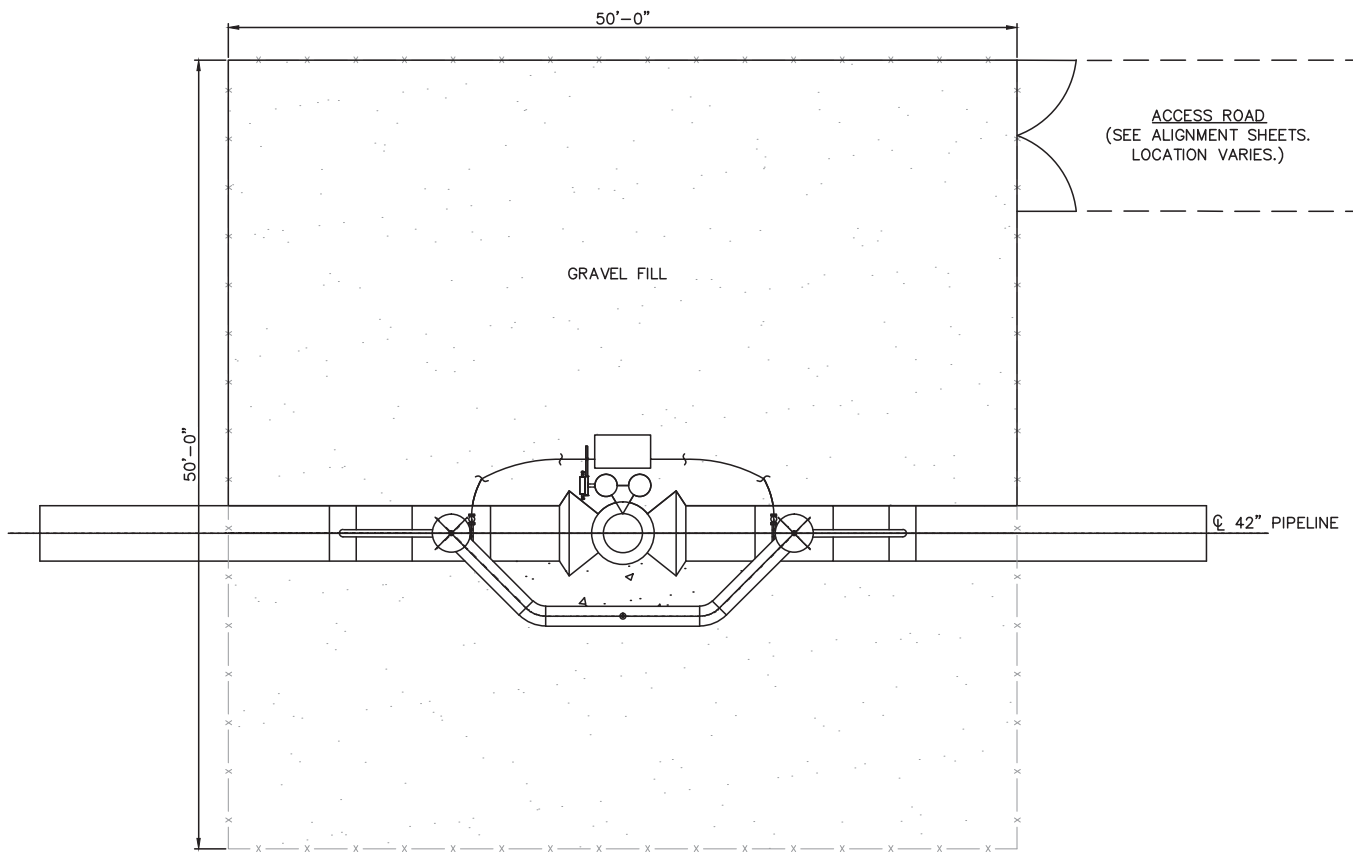
CAMERON PARISH, LOUISIANA
DRAWING NUMBER:
FIGURE 1.3-15f

SCALE:
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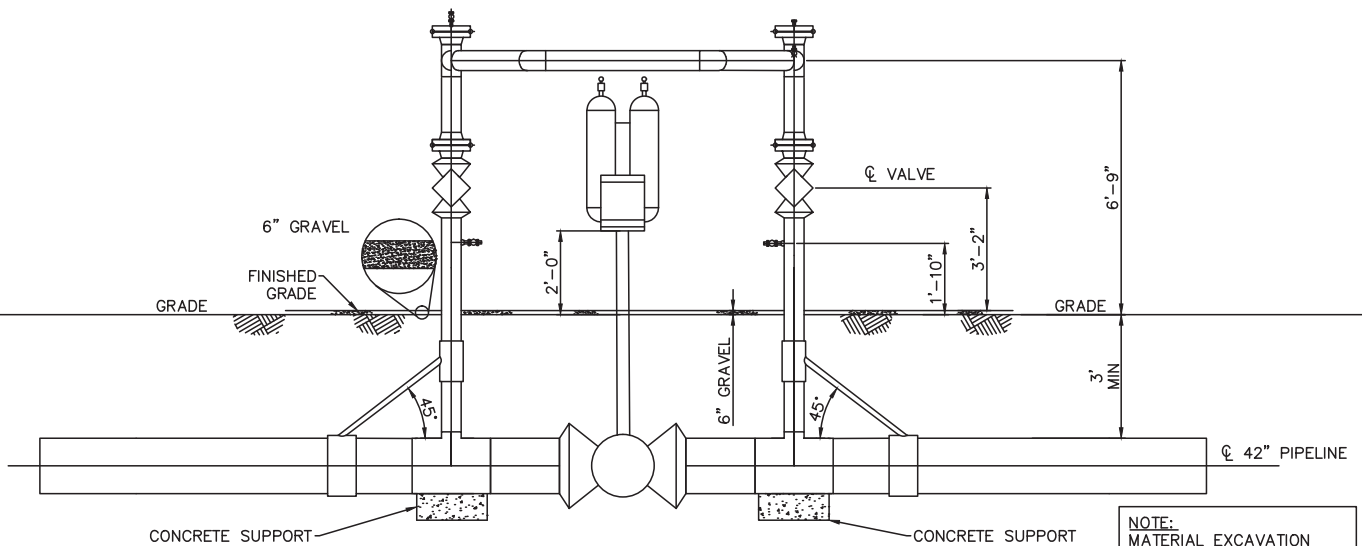
DATE:
08/04/2015

REV:
08/27/2015

DRAWN BY:
KBI



PLAN VIEW
NOT TO SCALE



ELEVATION VIEW
NOT TO SCALE

NOTE:
MATERIAL EXCAVATION
QUANTITIES ARE
INCLUDED IN PIPELINE
ALIGNMENT QUANTITIES.

FIGURE 1.3-15g
TYPICAL MAIN LINE VALVE
CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT

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CAMERON PARISH, LOUISIANA

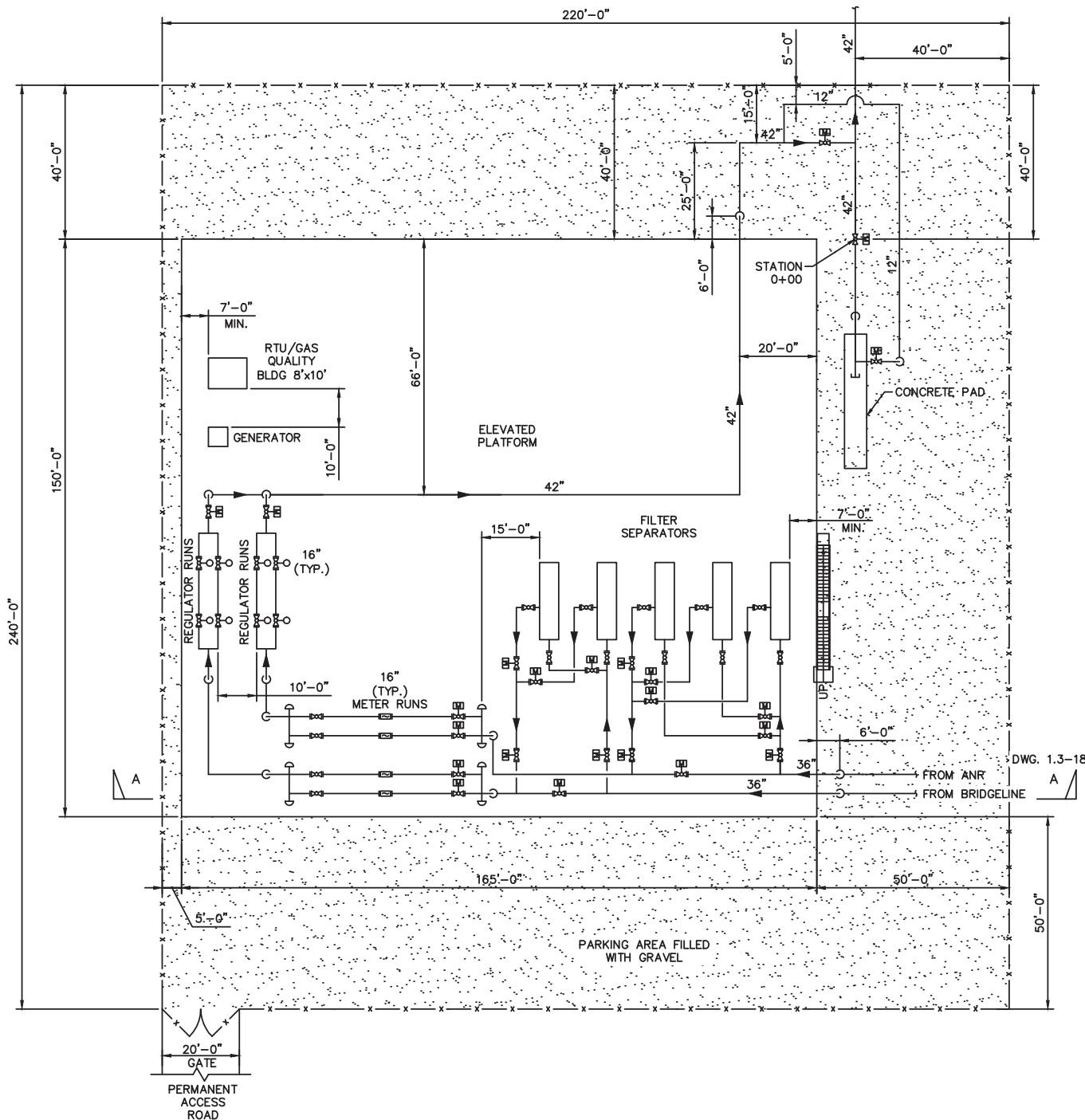
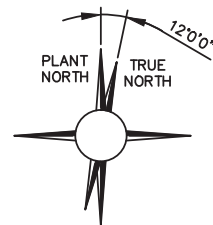
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Figure 1.3-15g

SCALE:
NONE

DATE:
07/29/2015

REV:
01/15/16

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ENE/KJP



DWG. 1.3-18
A

ALIGNMENT STATIONING = 0+00

FIGURE 1.3-16a
PLOT PLAN - ANR/BRIDGELINE METER STATION
TRANSCAMERON PIPELINE PROJECT

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DRAWING NUMBER: FIGURE 1.3-16a	SCALE: NONE	DATE: 08/05/2015	REV: 01/28/2016	DRAWN BY: ENE/KJP
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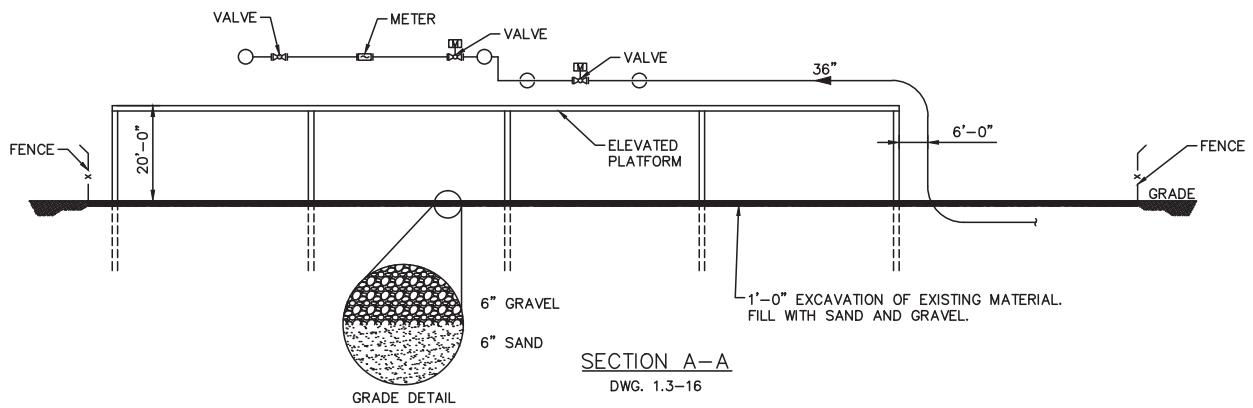


FIGURE 1.3-16b
SECTION PLAN - ANR/BRIDGELINE METER STATION
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DRAWING NUMBER: FIGURE 1.3-16b	SCALE: NONE	DATE: 01/12/2016	REV: 01/28/2016	DRAWN BY: ENE/KJP
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TRANSCAMERON PIPELINE, LLC

CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT EAST LATERAL ACCESS ROADS

CAMERON PARISH, LOUISIANA

SHEET NO.	DRAWING NUMBER	REV.	TITLE
1	TCPPL-M-502	C	COVER SHEET
2	TCPPL-M-502.1	B	LOCATION MAP
3	TCPPL-M-502.2	C	PERMANENT ACCESS ROAD #1
4	TCPPL-M-502.3	C	TEMPORARY ACCESS ROAD #2
5	TCPPL-M-502.4	C	TEMPORARY ACCESS ROAD #3
6	TCPPL-M-502.5	C	TEMPORARY ACCESS ROAD #4
7	TCPPL-M-502.6	C	TEMPORARY ACCESS ROAD #5
8	TCPPL-M-502.7	C	TEMPORARY ACCESS ROAD #6
9	TCPPL-M-502.8	C	TEMPORARY ACCESS ROAD #7
10	TCPPL-M-502.9	C	TEMPORARY ACCESS ROAD #8
11	TCPPL-M-502.10	C	TEMPORARY ACCESS ROAD #9
12	TCPPL-M-502.11	C	TEMPORARY ACCESS ROAD #10
13	TCPPL-M-502.12A	C	PERMANENT ACCESS ROAD #11
14	TCPPL-M-502.12B	C	TEMPORARY ACCESS ROAD #11
15	TCPPL-M-502.13	C	TEMPORARY ACCESS ROAD #12
16	TCPPL-M-502.14	C	TEMPORARY ACCESS ROAD #13
17	TCPPL-M-502.15	C	TEMPORARY ACCESS ROAD #14
18	TCPPL-M-502.16	C	TEMPORARY ACCESS ROAD #15
19	TCPPL-M-502.17	C	TEMPORARY ACCESS ROAD #16
20	TCPPL-M-502.18A	C	TEMPORARY ACCESS ROAD #17
21	TCPPL-M-502.18B	C	TEMPORARY ACCESS ROAD #17
22	TCPPL-M-502.19A	C	TEMPORARY ACCESS ROAD #18
23	TCPPL-M-502.19B	C	TEMPORARY ACCESS ROAD #18
24	TCPPL-M-502.19C	C	TEMPORARY ACCESS ROAD #18
25	TCPPL-M-502.20A	C	TEMPORARY ACCESS ROAD #19
26	TCPPL-M-502.20B	C	TEMPORARY ACCESS ROAD #19
27	TCPPL-M-502.20C	C	TEMPORARY ACCESS ROAD #19
28	TCPPL-M-502.20D	C	TEMPORARY ACCESS ROAD #19
29	TCPPL-M-502.21	C	TEMPORARY ACCESS ROAD #20
30	TCPPL-M-502.22	C	TEMPORARY ACCESS ROAD #21
31	TCPPL-M-502.23	C	TEMPORARY ACCESS ROAD #22
32	TCPPL-M-502.24A	C	TEMPORARY ACCESS ROAD #23
33	TCPPL-M-502.24B	C	TEMPORARY ACCESS ROAD #23

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	TCB	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	FOR REVIEW	TCB	DK

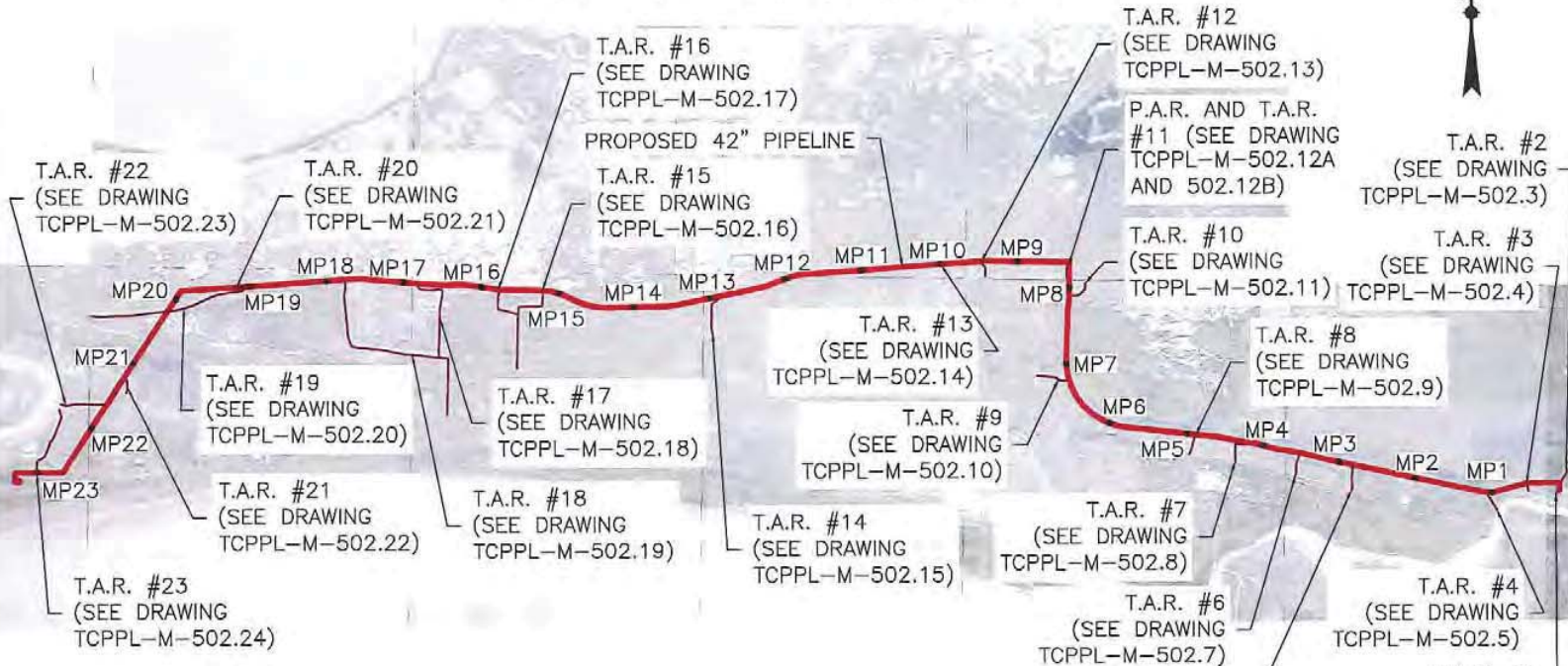
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COVER SHEET EAST LATERAL ACCESS ROADS CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT					
CAMERON PARISH			LOUISIANA		
DATE:	SCALE:	DRAWN BY:	LOC. NO.:	DRAWING NUMBER:	SHEET NO. REV.:
02/03/16	NTS	AS		TCPPL-M-502	1 C


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CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT EAST LATERAL ACCESS ROADS



LEGEND

T.A.R. TEMPORARY ACCESS ROAD
P.A.R. PERMANENT ACCESS ROAD

JPA Access Road Index

Access Road	JPA Sheet Number	Access Road	JPA Sheet Number	Access Road	JPA Sheet Number
PAR #1	62	TAR #11	73	TAR #18 (3 of 3)	83
TAR #2	63	TAR #12	74	TAR #19 (1 of 4)	84
TAR #3	64	TAR #13	75	TAR #19 (2 of 4)	85
TAR #4	65	TAR #14	76	TAR #19 (3 of 4)	86
TAR #5	66	TAR #15	77	TAR #19 (4 of 4)	87
TAR #6	67	TAR #16	78	TAR #20	88
TAR #7	68	TAR #17 (1 of 2)	79	TAR #21	89
TAR #8	69	TAR #17 (2 of 2)	80	TAR #22	90
TAR #9	70	TAR #18 (1 of 3)	81	TAR #23 (1 of 2)	91
TAR #10	71	TAR #18 (2 of 3)	82	TAR #23 (2 of 2)	92
PAR #11	72				

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A	02/23/16	AS	FOR REVIEW	TGB	DK

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LOCATION MAP
CALCASIEU PASS TERMINAL AND
TRANSCAMERON PIPELINE PROJECT
EAST LATERAL ACCESS ROADS

CAMERON PARISH, LOUISIANA

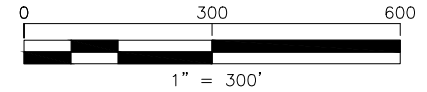
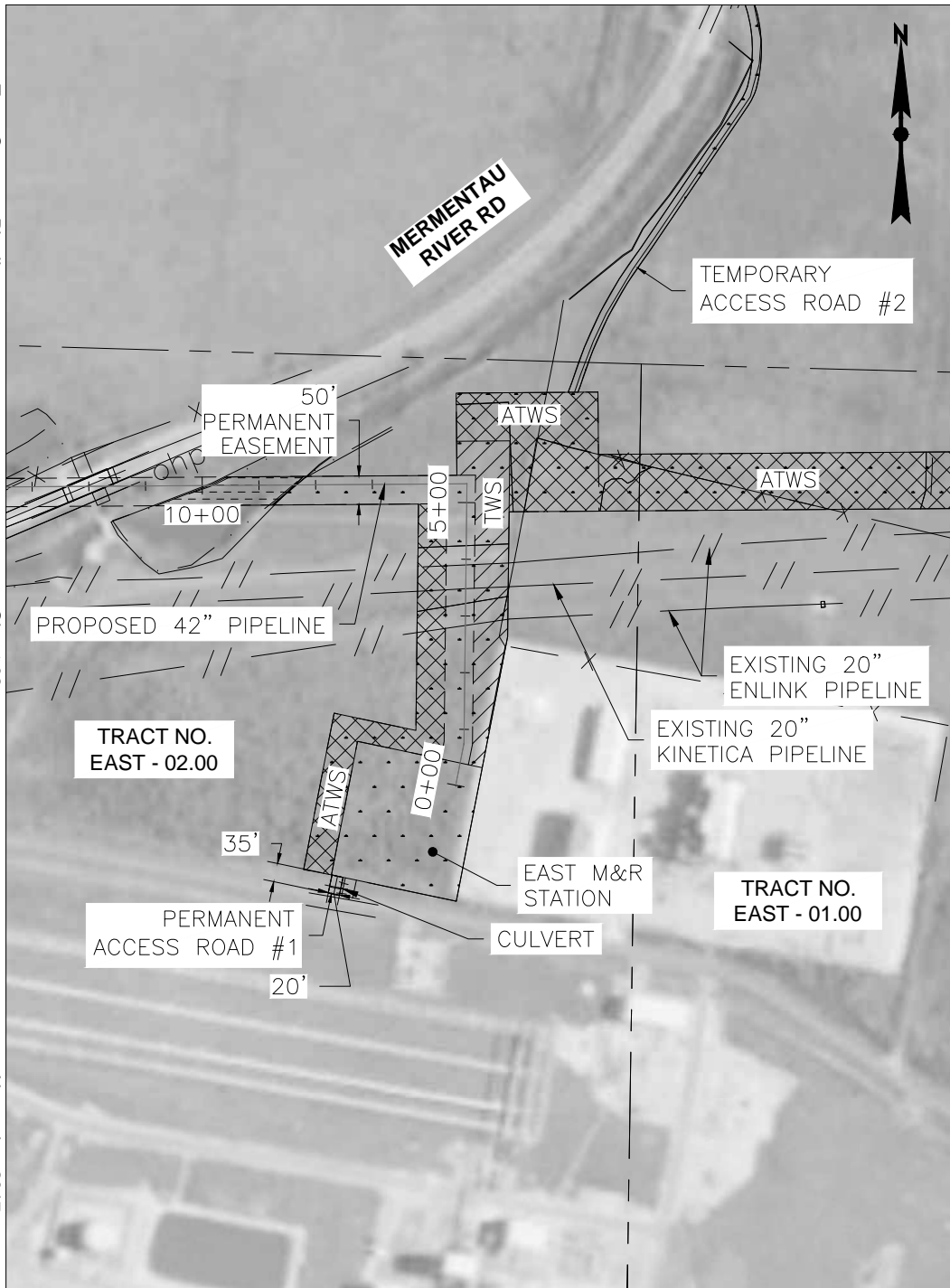
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I:\V\Projects\12764 - Calcasieu Pass Terminal\Drawings\Pipeline\Access Roads\East_Lateral_Location Map-42-Inch.dwg Plot Date: Feb 24, 2016 10:41:37 AM by: dmp/asm

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Sheet 62

November 2017



ACCESS ROAD NAME ACCESS ROAD #1
 NEW BUILD OR USE EXISTING ROAD NEW BUILD
 ACCESS ROAD CLASS PERMANENT
 ACCESS ROAD LENGTH (SQ) 35
 ACCESS ROAD WIDTH (SQ) 20
 ACCESS ROAD AREA (SQ FT) 655
 ACCESS ROAD AREA (AC) 0.02
 ACCESS ROAD AREA DISTURBED (SQ FT) 655
 ACCESS ROAD AREA DISTURBED (AC) 0.02
 ACCESS ROAD PERMANENT FILL (CU FT) 327.50
 ACCESS ROAD TEMPORARY FILL (CU FT) 0.00
 ACCESS ROAD IMPROVEMENTS INSTALL 20 FOOT WIDE OF 6 INCH AGGREGATE FOR ENTIRE LENGTH.

DRAINAGE:
 CULVERT TO BE PLACED IN EXISTING DRAINAGE DITCH PER TYPICAL ACCESS ROAD CULVERT

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
D	08/26/16	TCB	REVISED PER CLIENT COMMENT	NP	
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

PERMANENT ACCESS ROAD #1
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH		LOUISIANA				
DATE:	SCALE:	DRAWN BY:	LOC. NO.:	DRAWING NUMBER:	SHEET NO.:	REV.:
02/09/16	1"=300'	AS		TCPPL-M-502.2	3	D

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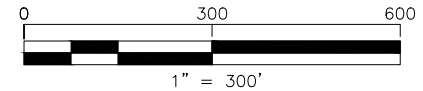
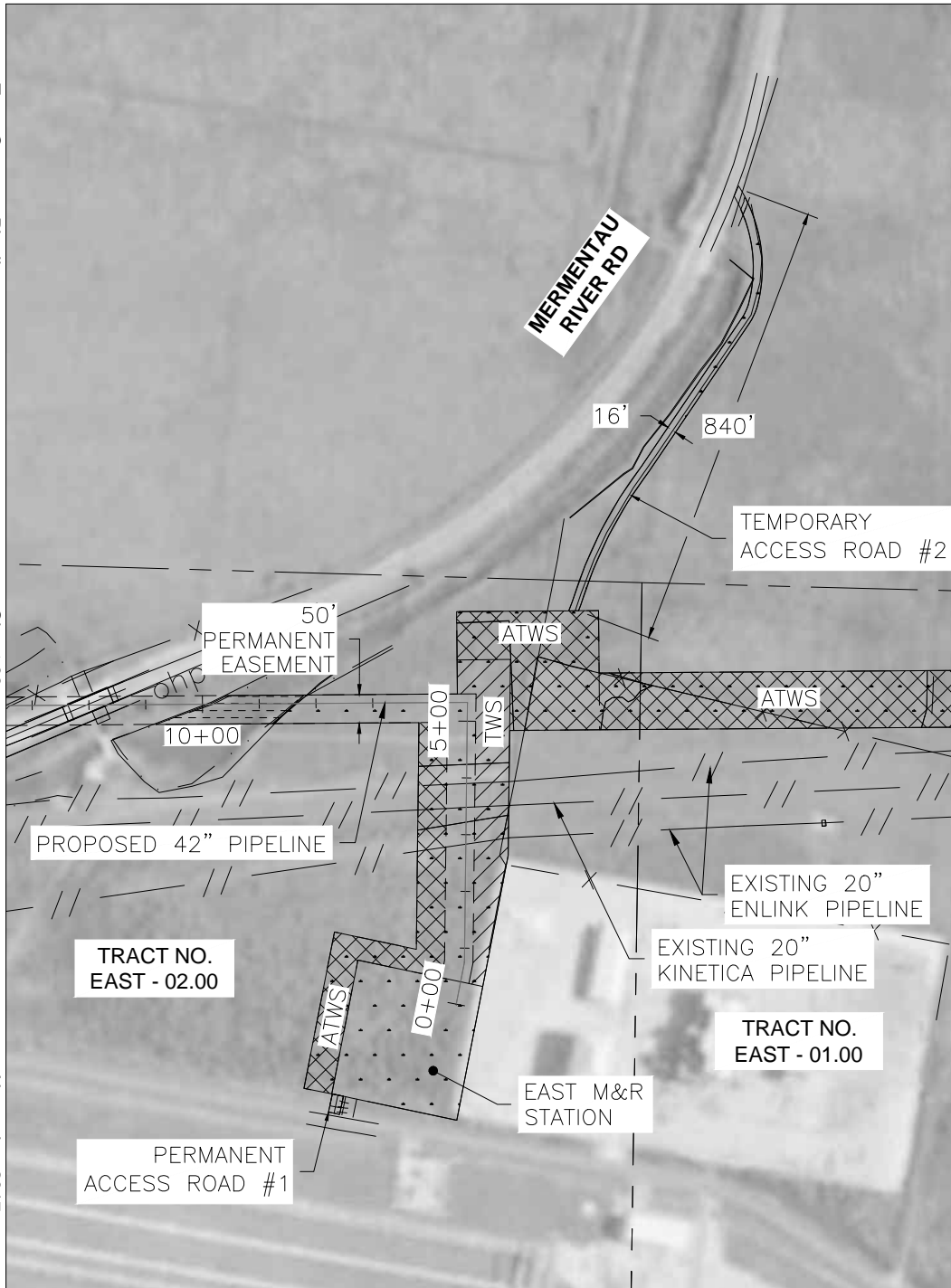
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Sheet 63

November 2017



ACCESS ROAD NAME ACCESS ROAD #2
 NEW BUILD OR USE EXISTING ROAD NEW BUILD
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (SQ) 840
 ACCESS ROAD WIDTH (SQ) 16
 ACCESS ROAD AREA (SQ FT) 13,375
 ACCESS ROAD AREA (AC) 0.31
 ACCESS ROAD AREA DISTURBED (SQ FT) 13,375
 ACCESS ROAD AREA DISTURBED (AC) 0.31
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 11,145.83

ACCESS ROAD IMPROVEMENTS INSTALL MATS 16 FOOT WIDE FOR ENTIRE LENGTH.
 DRAINAGE:

MATS TO BE INSTALLED WITH SUFFICIENT GAPS TO ALLOW MIGRATION OF WATER ACROSS ACCESS ROAD WITHIN WETLAND AREAS AT A SPACING OF NOT LESS THAN 250' AS CONDITIONS DICTATE. GAPS TO BE BRIDGED WITH STEEL PLATES OR EQUIVALENT TO ALLOW TRAFFIC MOVEMENT.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

**TEMPORARY ACCESS ROAD #2
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA				
DATE:	SCALE:	DRAWN BY:	LOC. NO.:	DRAWING NUMBER:	SHEET NO.:	REV.:
02/09/16	1"=300'	AS		TCPPL-M-502.3	4	C

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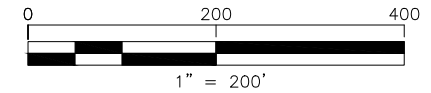
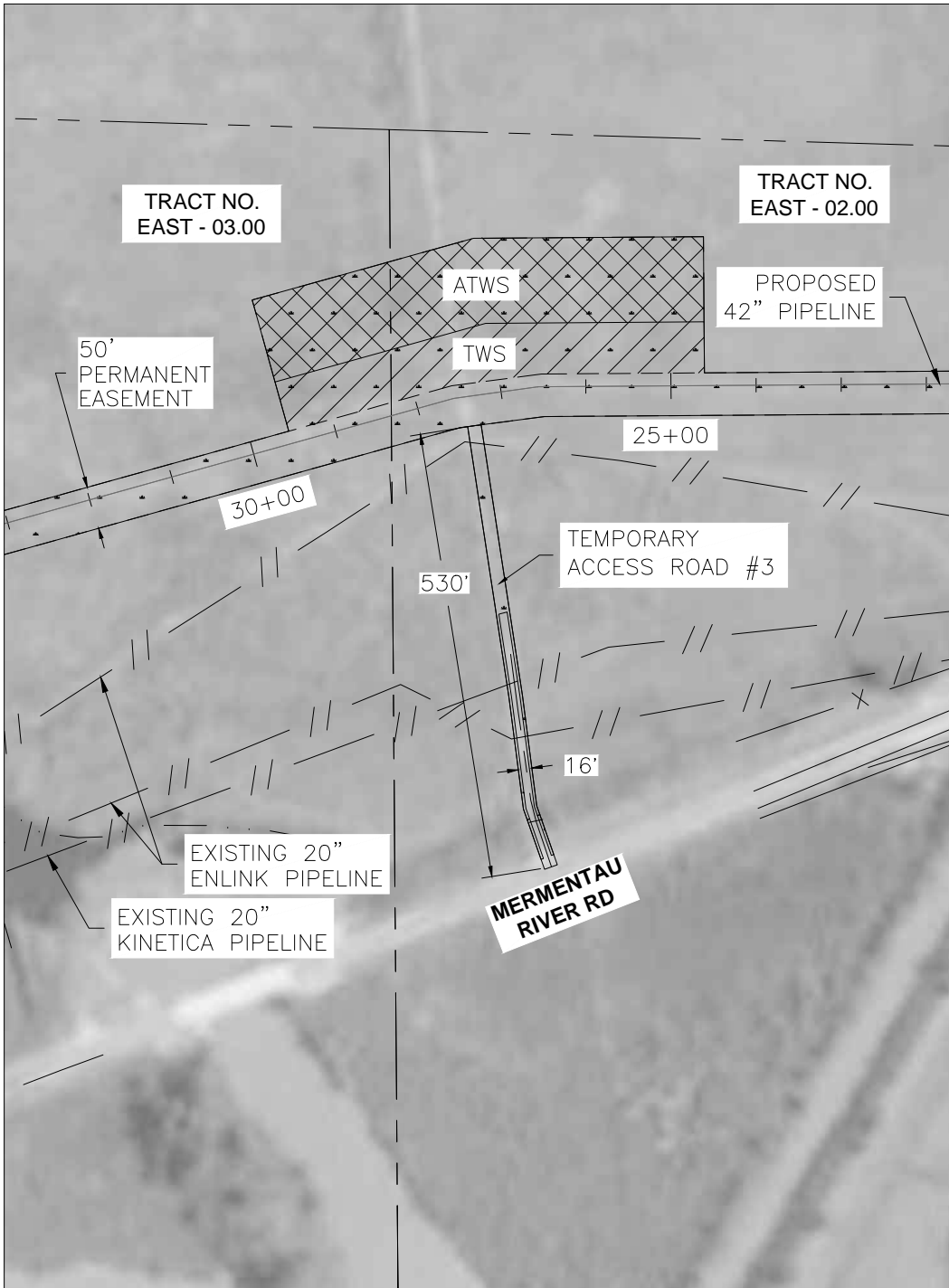
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Sheet 64

November 2017



ACCESS ROAD NAME ACCESS ROAD #3
 NEW BUILD OR USE EXISTING ROAD USE EXISTING
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 530
 ACCESS ROAD WIDTH (FT) 16
 ACCESS ROAD AREA (SQ FT) 8,440
 ACCESS ROAD AREA (AC) 0.19
 ACCESS ROAD AREA DISTURBED (SQ FT) 8,440
 ACCESS ROAD AREA DISTURBED (AC) 0.19
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 7,033.33
 ACCESS ROAD IMPROVEMENTS INSTALL MATS 16
 FOOT WIDE FOR
 ENTIRE LENGTH.
 DRAINAGE:

MATS TO BE INSTALLED WITH SUFFICIENT GAPS TO
 ALLOW MIGRATION OF WATER ACROSS ACCESS ROAD
 WITHIN WETLAND AREAS AT A SPACING OF NOT LESS
 THAN 250' AS CONDITIONS DICTATE. GAPS TO BE
 BRIDGED WITH STEEL PLATES OR EQUIVALENT TO
 ALLOW TRAFFIC MOVEMENT.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	-

REVISIONS

**TEMPORARY ACCESS ROAD #3
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA	
DATE: 02/09/16	SCALE: 1"=200'	DRAWN BY: AS	LOC. NO.:
DRAWING NUMBER: TCPPL-M-502.4		SHEET NO.:	REV.:
		5	C

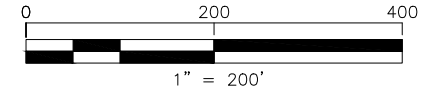
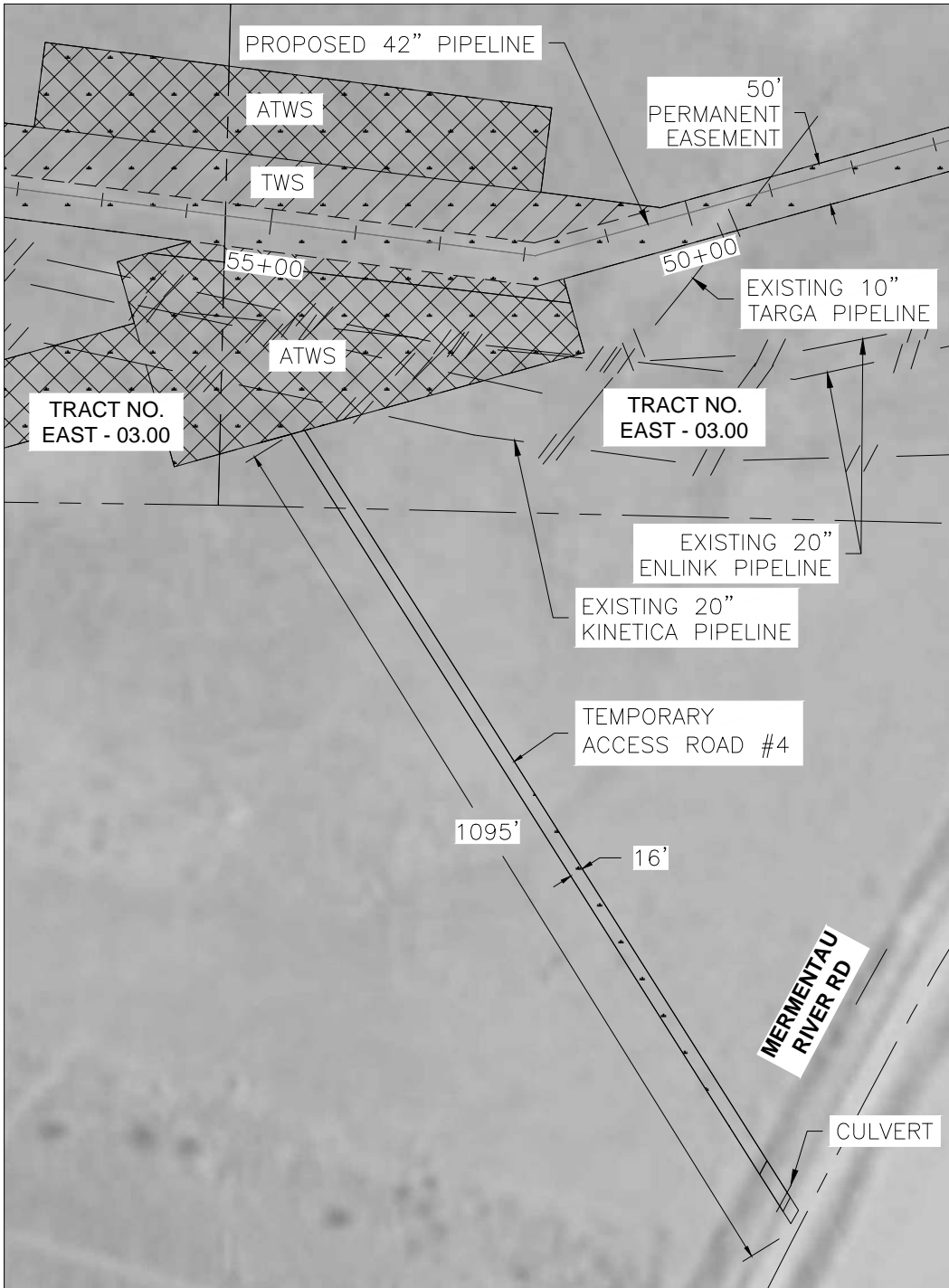


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Sheet 65

November 2017



ACCESS ROAD NAME ACCESS ROAD #4
 NEW BUILD OR USE EXISTING ROAD NEW BUILD
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 1,095
 ACCESS ROAD WIDTH (FT) 16
 ACCESS ROAD AREA (SQ FT) 17.460
 ACCESS ROAD AREA (AC) 0.40
 ACCESS ROAD AREA DISTURBED (SQ FT) 17,460
 ACCESS ROAD AREA DISTURBED (AC) 0.40
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 14,550

ACCESS ROAD IMPROVEMENTS INSTALL MATS 16 FOOT WIDE FOR ENTIRE LENGTH.

CULVERT TO BE PLACED IN EXISTING DRAINAGE DITCH PER TYPICAL ACCESS ROAD CULVERT. MATS TO BE INSTALLED WITH SUFFICIENT GAPS TO ALLOW MIGRATION OF WATER ACROSS ACCESS ROAD WITHIN WETLAND AREAS AT A SPACING OF NOT LESS THAN 250' AS CONDITIONS DICTATE. GAPS TO BE BRIDGED WITH STEEL PLATES OR EQUIVALENT TO ALLOW TRAFFIC MOVEMENT.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

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**TEMPORARY ACCESS ROAD #4
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA	
DATE: 02/09/16	SCALE: 1"=200'	DRAWN BY: LOC. NO: AS	DRAWING NUMBER: TCPPL-M-502.5
SHEET NO: 6		REV: C	

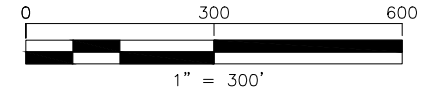
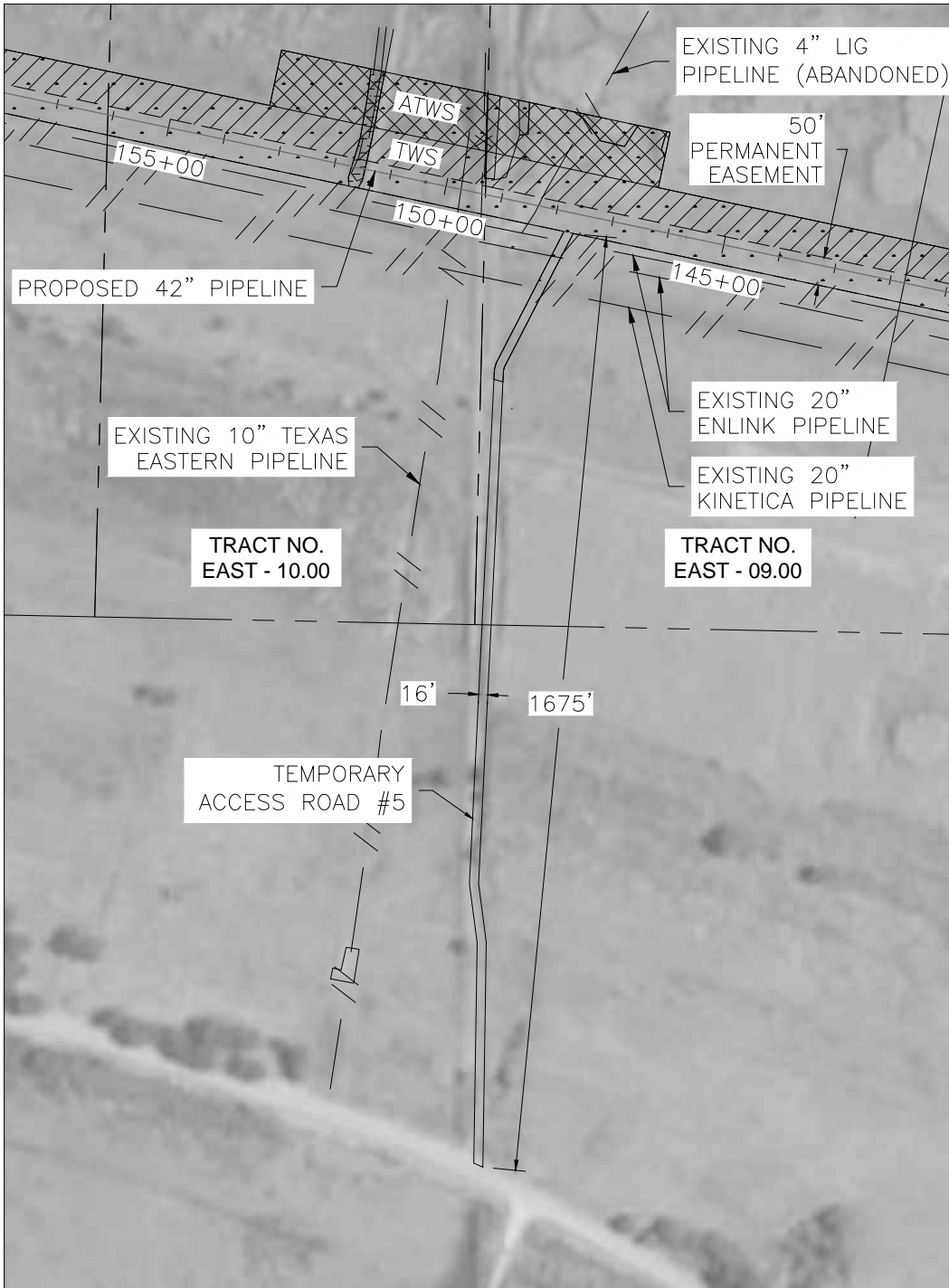
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Sheet 66

November 2017



ACCESS ROAD NAME ACCESS ROAD #5
 NEW BUILD OR USE EXISTING ROAD NEW BUILD
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 1,675
 ACCESS ROAD WIDTH (FT) 16
 ACCESS ROAD AREA (SQ FT) 26,805
 ACCESS ROAD AREA (AC) 0.62
 ACCESS ROAD AREA DISTURBED (SQ FT) 26,805
 ACCESS ROAD AREA DISTURBED (AC) 0.62
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 22,337.50
 ACCESS ROAD IMPROVEMENTS INSTALL MATS 16
 FOOT WIDE FOR
 ENTIRE LENGTH.

DRAINAGE:

MATS TO BE INSTALLED WITH SUFFICIENT GAPS TO ALLOW MIGRATION OF WATER ACROSS ACCESS ROAD WITHIN WETLAND AREAS AT A SPACING OF NOT LESS THAN 250' AS CONDITIONS DICTATE. GAPS TO BE BRIDGED WITH STEEL PLATES OR EQUIVALENT TO ALLOW TRAFFIC MOVEMENT.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

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**TEMPORARY ACCESS ROAD #5
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA	
DATE: 02/09/16	SCALE: 1"=300'	DRAWN BY: AS	LOC. NO.:
DRAWING NUMBER: TCPPL-M-502.6		SHEET NO.:	REV.:
		7	C

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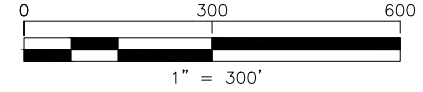
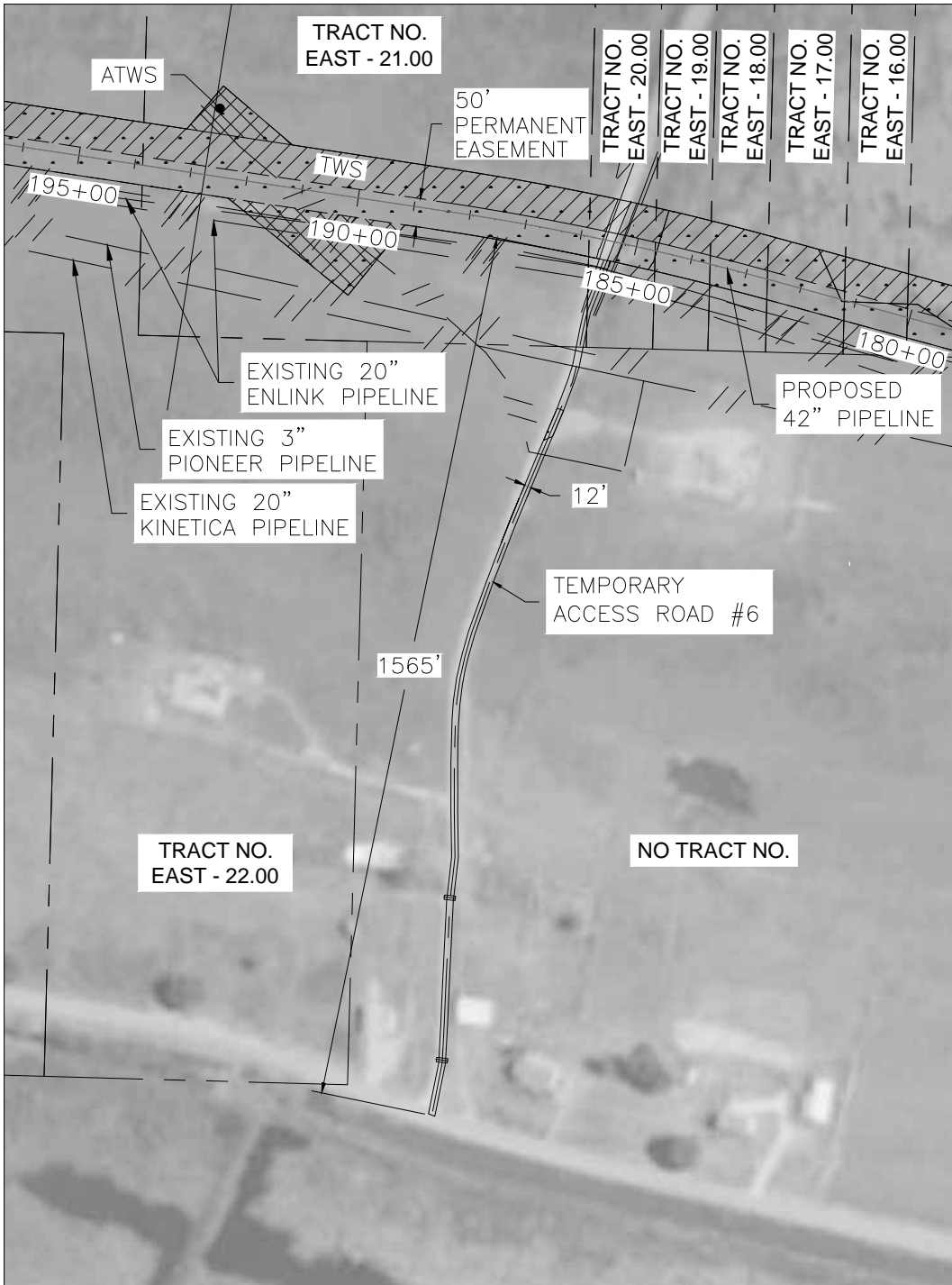
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Sheet 67

November 2017



ACCESS ROAD NAME ACCESS ROAD #6
 NEW BUILD OR USE EXISTING ROAD USE EXISTING
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 1,565
 ACCESS ROAD WIDTH (FT) 12
 ACCESS ROAD AREA (SQ FT) 18,735
 ACCESS ROAD AREA (AC) 0.43
 ACCESS ROAD AREA DISTURBED (SQ FT) 0.00
 ACCESS ROAD AREA DISTURBED (AC) 0.00
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 0.00
 ACCESS ROAD IMPROVEMENTS EXISTING CONDITIONS ARE SUITABLE, NO IMPROVEMENTS NECESSARY.
 DRAINAGE:
 EXISTING DRAINAGE TO BE MAINTAINED.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

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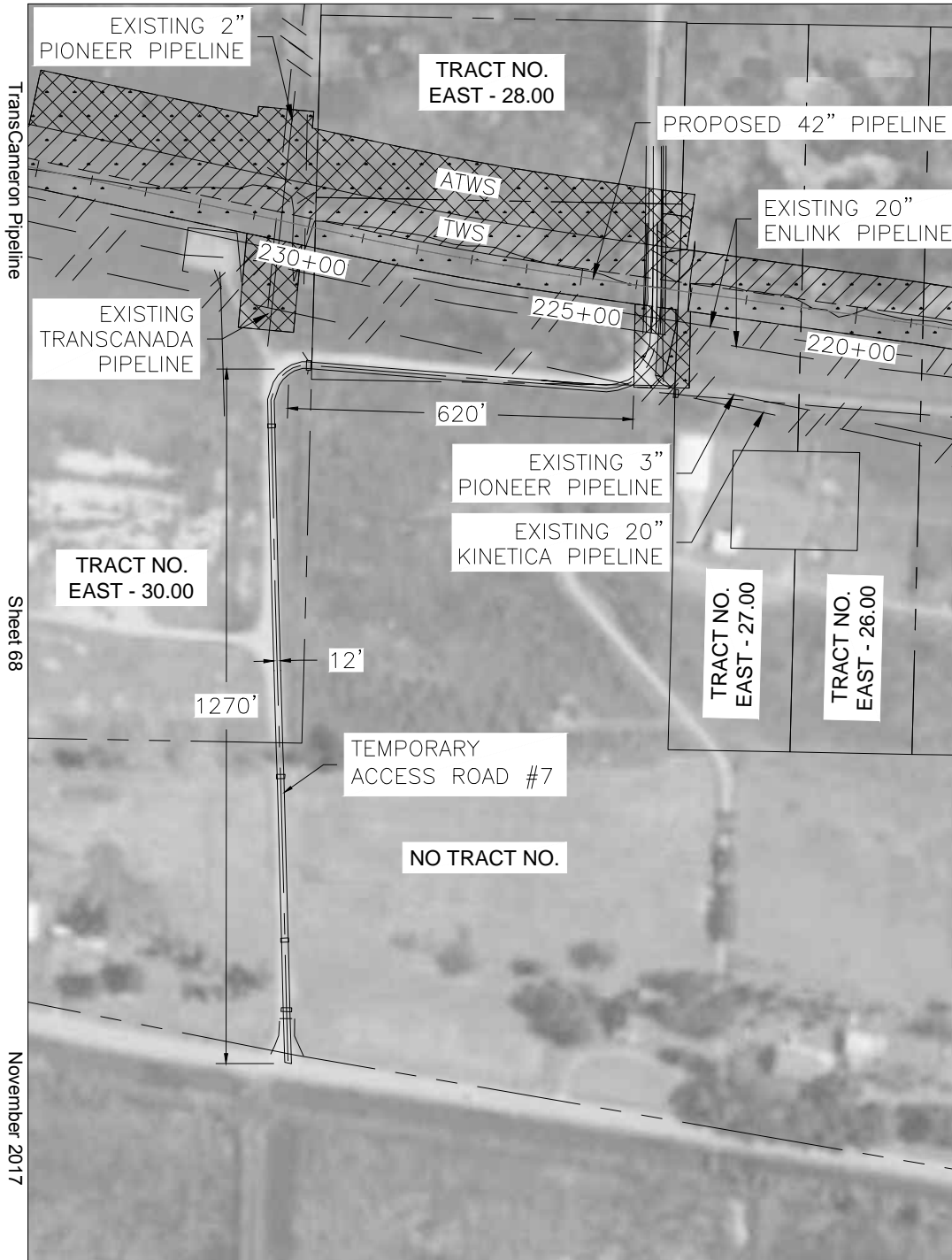
**TEMPORARY ACCESS ROAD #6
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
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CAMERON PARISH		LOUISIANA	
DATE: 02/09/16	SCALE: 1"=300'	DRAWN BY: LOC. NO: AS	REVISION NUMBER: TCPPL-M-502.7
SHEET NO: 8		REV: C	

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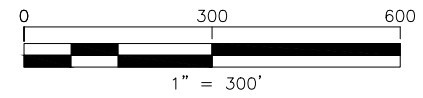
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Sheet 68

November 2017



ACCESS ROAD NAME ACCESS ROAD #7
 NEW BUILD OR USE EXISTING ROAD USE EXISTING
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 1,890
 ACCESS ROAD WIDTH (FT) 12
 ACCESS ROAD AREA (SQ FT) 22,655
 ACCESS ROAD AREA (AC) 0.52
 ACCESS ROAD AREA DISTURBED (SQ FT) 0.00
 ACCESS ROAD AREA DISTURBED (AC) 0.00
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 0.00
 ACCESS ROAD IMPROVEMENTS EXISTING CONDITIONS ARE SUITABLE, NO IMPROVEMENTS NECESSARY.
 DRAINAGE:
 EXISTING DRAINAGE TO BE MAINTAINED.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

**TEMPORARY ACCESS ROAD #7
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA				
DATE:	SCALE:	DRAWN BY:	LOC. NO.:	DRAWING NUMBER:	SHEET NO.:	REV.:
02/09/16	1"=300'	AS		TCPPL-M-502.8	9	C

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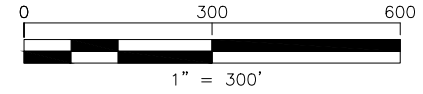
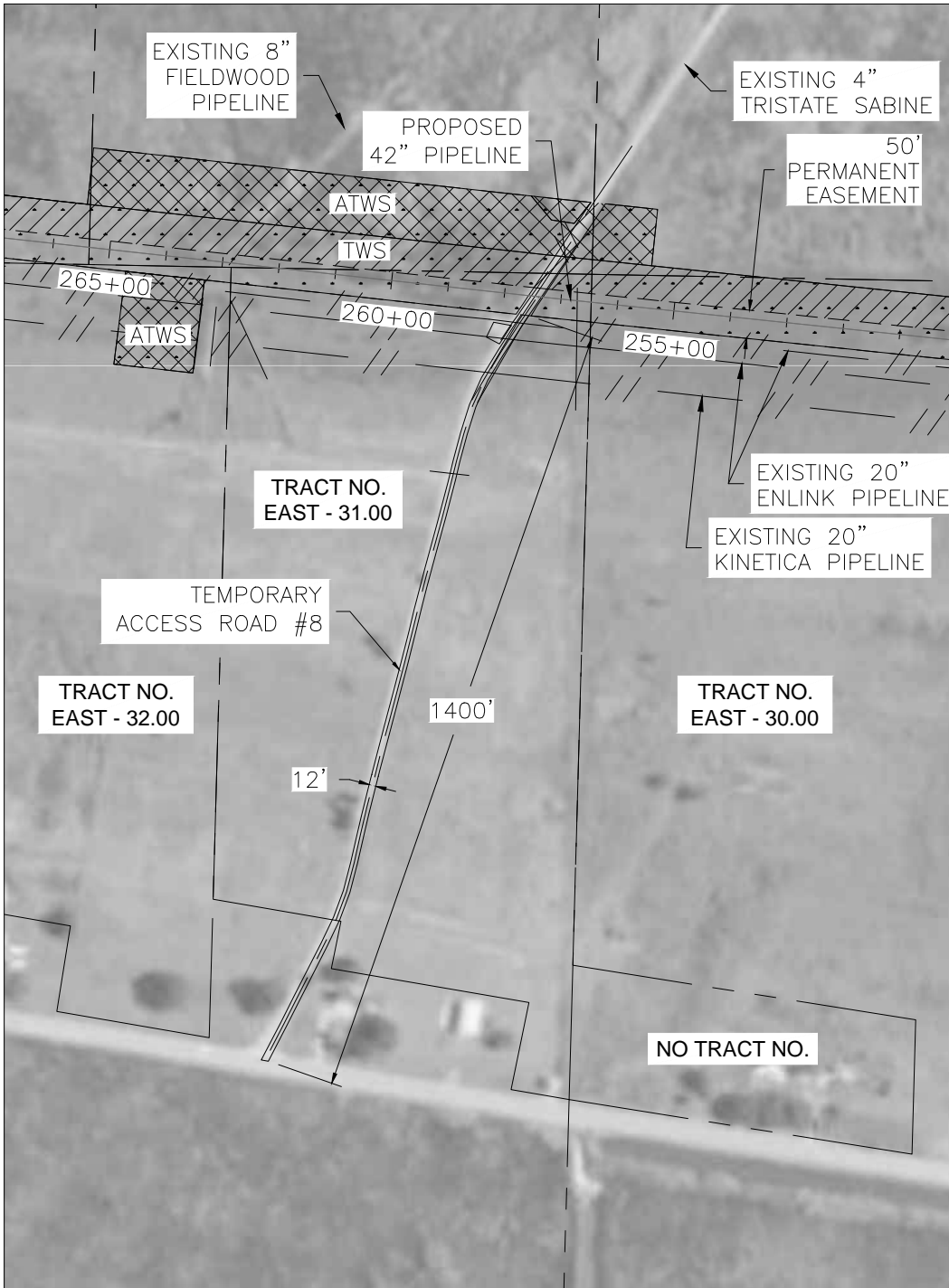
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Sheet 69

November 2017



ACCESS ROAD NAME ACCESS ROAD #8
 NEW BUILD OR USE EXISTING ROAD USE EXISTING
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 1,400
 ACCESS ROAD WIDTH (FT) 12
 ACCESS ROAD AREA (SQ FT) 16,810
 ACCESS ROAD AREA (AC) 0.39
 ACCESS ROAD AREA DISTURBED (SQ FT) 0.00
 ACCESS ROAD AREA DISTURBED (AC) 0.00
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 0.00

ACCESS ROAD IMPROVEMENTS EXISTING CONDITIONS ARE SUITABLE, NO IMPROVEMENTS NECESSARY.

DRAINAGE:

EXISTING DRAINAGE TO BE MAINTAINED.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

**TEMPORARY ACCESS ROAD #8
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA				
DATE:	SCALE:	DRAWN BY:	LOC. NO.:	DRAWING NUMBER:	SHEET NO.:	REV.:
02/09/16	1"=300'	AS		TCPPL-M-502.9	10	C

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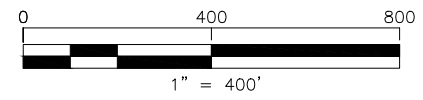
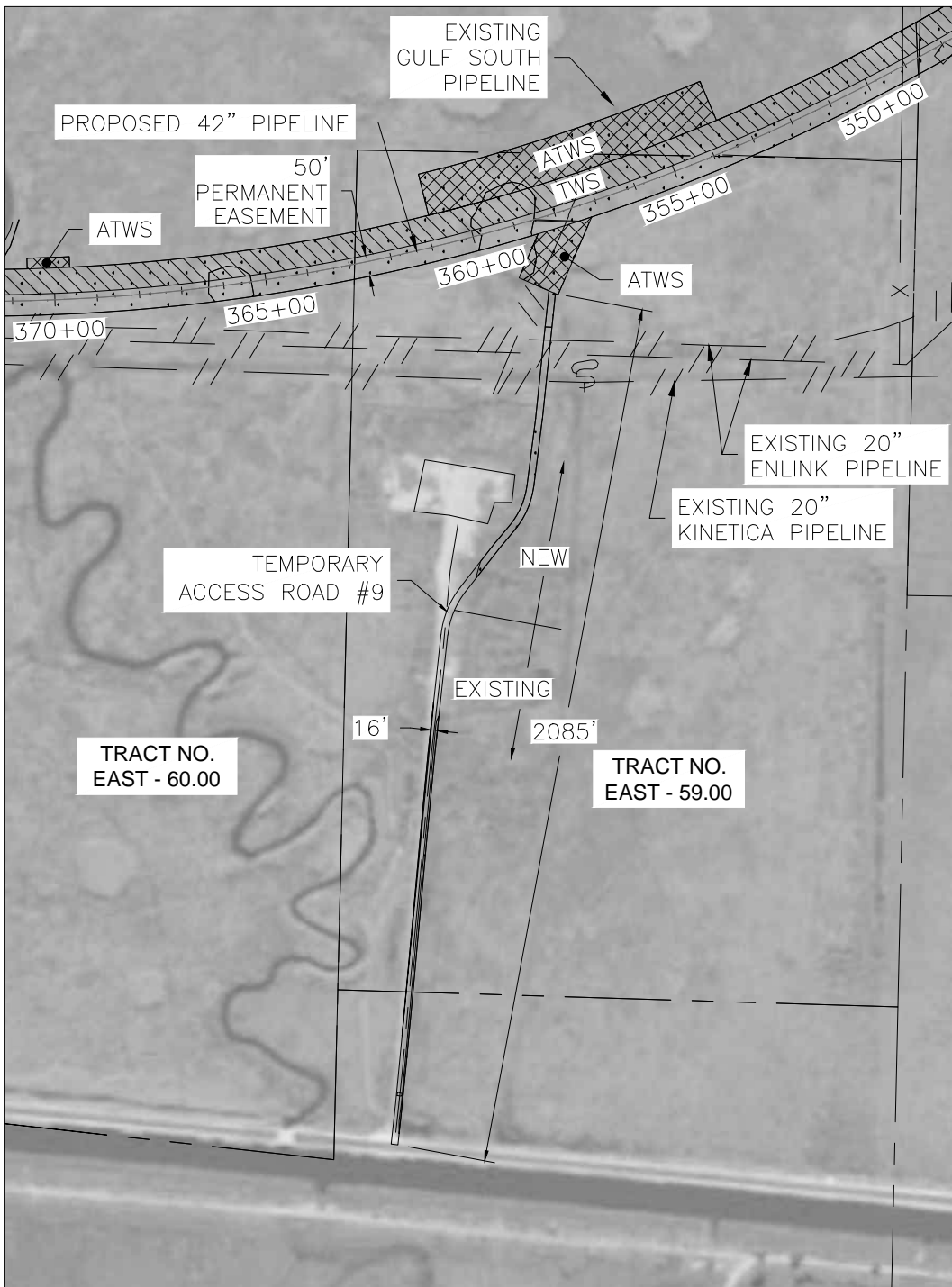
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November 2017



ACCESS ROAD NAME ACCESS ROAD #9

NEW BUILD OR USE EXISTING ROAD BOTH

ACCESS ROAD CLASS TEMPORARY

ACCESS ROAD LENGTH (FT) 2,085 (1,240' EXIST. & 845' NEW)

ACCESS ROAD WIDTH (FT) 16

ACCESS ROAD AREA (SQ FT) 33,300

ACCESS ROAD AREA (AC) 0.76

ACCESS ROAD AREA DISTURBED (SQ FT) 33,300

ACCESS ROAD AREA DISTURBED (AC) 0.76

ACCESS ROAD PERMANENT FILL (CU FT) 0.00

ACCESS ROAD TEMPORARY FILL (CU FT) 27,750

ACCESS ROAD IMPROVEMENTS CURRENTLY 12 FOOT WIDE PARTIAL LENGTH. MAT 16 FOOT WIDE FOR ENTIRE LENGTH.

DRAINAGE:

MATS TO BE INSTALLED WITH SUFFICIENT GAPS TO ALLOW MIGRATION OF WATER ACROSS ACCESS ROAD WITHIN WETLAND AREAS AT A SPACING OF NOT LESS THAN 250' AS CONDITIONS DICTATE. GAPS TO BE BRIDGED WITH STEEL PLATES OR EQUIVALENT TO ALLOW TRAFFIC MOVEMENT.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

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**TEMPORARY ACCESS ROAD #9
EAST LATERAL ACCESS ROADS
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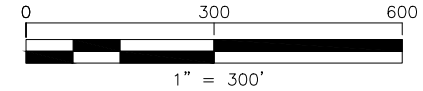
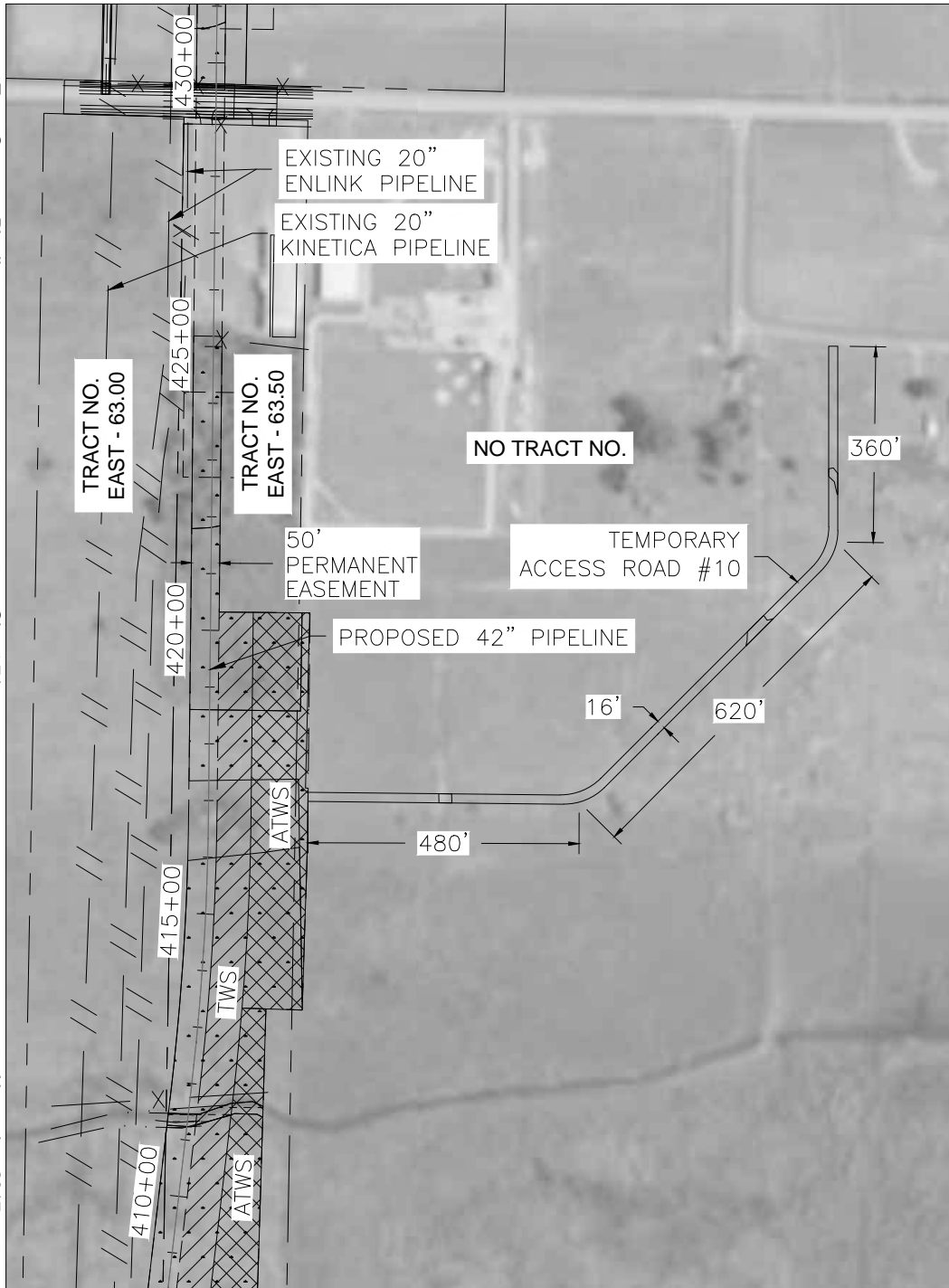
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DATE: 02/09/16	SCALE: 1"=400'	DRAWN BY: LOC. NO: AS	DRAWING NUMBER: TCPPL-M-502.10
SHEET NO: 11		REV: C	

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November 2017



ACCESS ROAD NAME ACCESS ROAD #10
 NEW BUILD OR USE EXISTING ROAD NEW BUILD
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 1,460
 ACCESS ROAD WIDTH (FT) 16
 ACCESS ROAD AREA (SQ FT) 23,510
 ACCESS ROAD AREA (AC) 0.54
 ACCESS ROAD AREA DISTURBED (SQ FT) 23,510
 ACCESS ROAD AREA DISTURBED (AC) 0.54
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 19,591.67
 ACCESS ROAD IMPROVEMENTS INSTALL MATS 16
 FOOT WIDE FOR
 ENTIRE LENGTH.

DRAINAGE:

MATS TO BE INSTALLED WITH SUFFICIENT GAPS TO ALLOW
 MIGRATION OF WATER ACROSS ACCESS ROAD WITHIN
 WETLAND AREAS AT A SPACING OF NOT LESS THAN 250' AS
 CONDITIONS DICTATE. GAPS TO BE BRIDGED WITH STEEL
 PLATES OR EQUIVALENT TO ALLOW TRAFFIC MOVEMENT.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

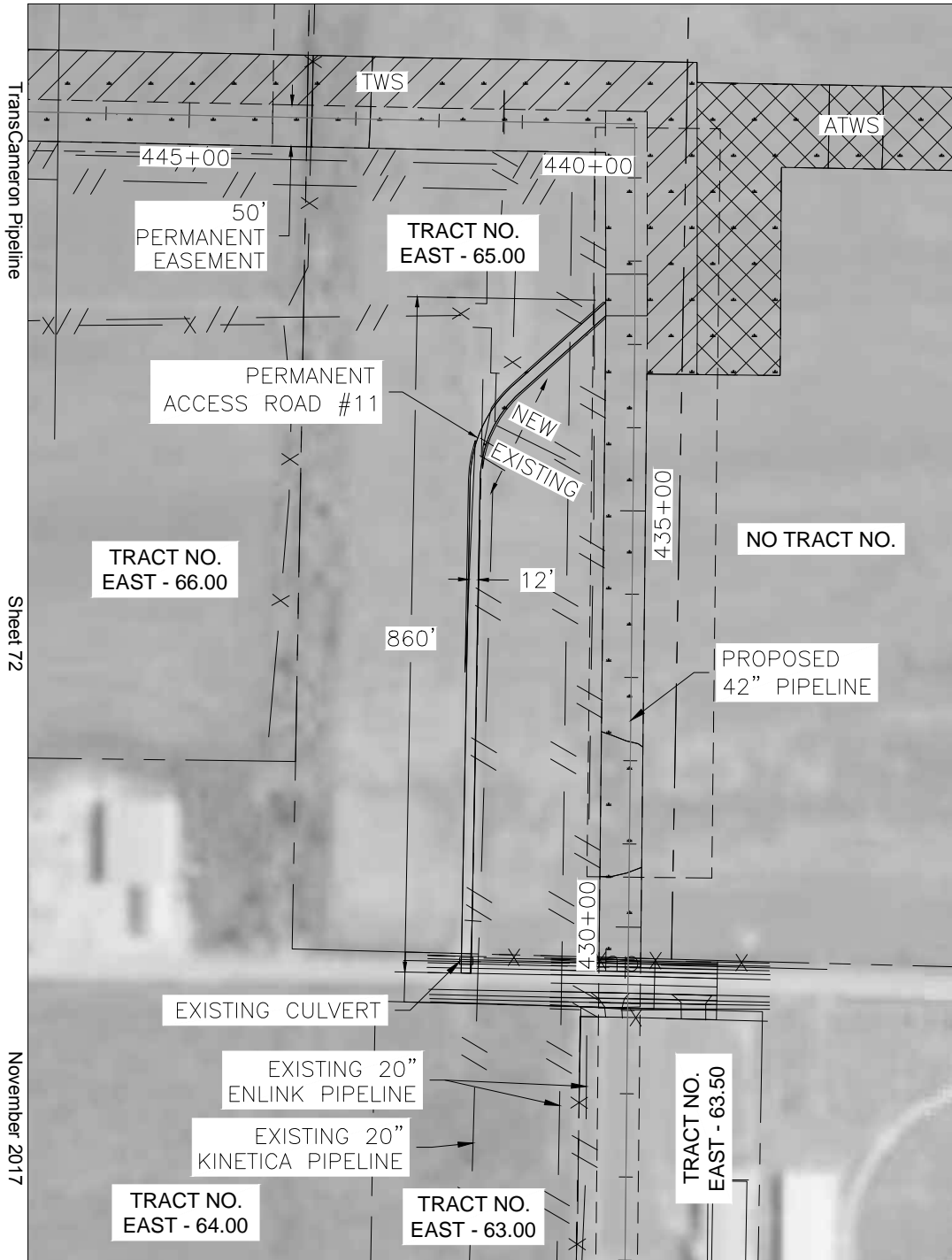
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**TEMPORARY ACCESS ROAD #10
 EAST LATERAL ACCESS ROADS
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		SHEET NO.: 12	REV.: C

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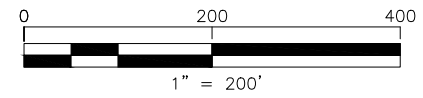
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ACCESS ROAD NAME ACCESS ROAD #11

NEW BUILD OR USE EXISTING ROAD BOTH

ACCESS ROAD CLASS PERMANENT

ACCESS ROAD LENGTH (FT) 860 (660' EXIST. & 200' NEW)

ACCESS ROAD WIDTH (FT) 12

ACCESS ROAD AREA (SQ FT) 10,315

ACCESS ROAD AREA (AC) 0.24

ACCESS ROAD AREA DISTURBED (SQ FT) 10,315

ACCESS ROAD AREA DISTURBED (AC) 0.24

ACCESS ROAD PERMANENT FILL (CU FT) 5,157.50

ACCESS ROAD TEMPORARY FILL (CU FT) 0.00

ACCESS ROAD IMPROVEMENTS POST CONSTRUCTION REQUIRES 12 FOOT WIDE OF 6 INCH AGGREGATE FOR ENTIRE LENGTH.

DRAINAGE:

EXISTING DRAINAGE TO BE MAINTAINED.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

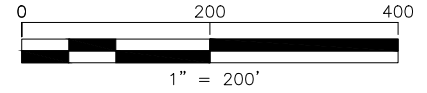
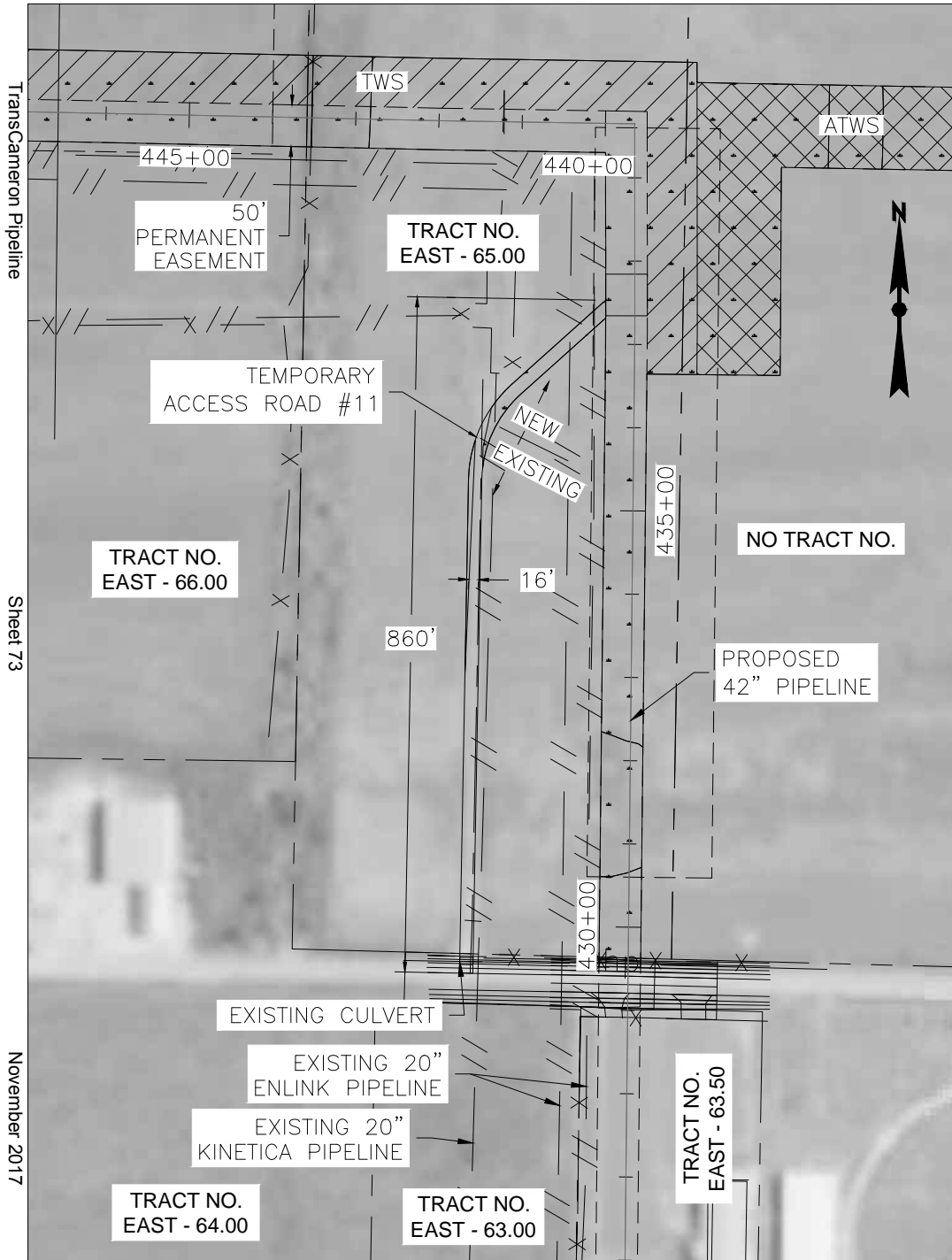
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DATE:	SCALE:	DRAWN BY:	LOC. NO.:	DRAWING NUMBER:	SHEET NO.:	REV.:
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ACCESS ROAD NAME ACCESS ROAD #11
 NEW BUILD OR USE EXISTING ROAD BOTH
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 860 (660' EXIST. & 200' NEW)
 ACCESS ROAD WIDTH (FT) 16
 ACCESS ROAD AREA (SQ FT) 13,755
 ACCESS ROAD AREA (AC) 0.32
 ACCESS ROAD AREA DISTURBED (SQ FT) 13,755*
 ACCESS ROAD AREA DISTURBED (AC) 0.32*
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 12,358.33

ACCESS ROAD IMPROVEMENTS REQUIRES 16 FOOT WIDE MATS FOR ENTIRE LENGTH.
 DRAINAGE:

MATS TO BE INSTALLED WITH SUFFICIENT GAPS TO ALLOW MIGRATION OF WATER ACROSS ACCESS ROAD WITHIN WETLAND AREAS AT A SPACING OF NOT LESS THAN 250' AS CONDITIONS DICTATE. GAPS TO BE BRIDGED WITH STEEL PLATES OR EQUIVALENT TO ALLOW TRAFFIC MOVEMENT.

* AREA DISTURBED INCLUDES BOTH TEMPORARY AND PERMANENT IMPACTS WITHIN TEMPORARY ACCESS ROAD #11 LIMITS.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

**TEMPORARY ACCESS ROAD #11
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
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CAMERON PARISH		LOUISIANA	
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SHEET NO.: 14		REV.: C	

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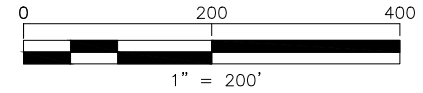
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Sheet 74

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ACCESS ROAD NAME	ACCESS ROAD #12
NEW BUILD OR USE EXISTING ROAD	NEW BUILD
ACCESS ROAD CLASS	TEMPORARY
ACCESS ROAD LENGTH (FT)	1,075
ACCESS ROAD WIDTH (FT)	16
ACCESS ROAD AREA (SQ FT)	17,210
ACCESS ROAD AREA (AC)	0.40
ACCESS ROAD AREA DISTURBED (SQ FT)	17,210
ACCESS ROAD AREA DISTURBED (AC)	0.40
ACCESS ROAD PERMANENT FILL (CU FT)	0.00
ACCESS ROAD TEMPORARY FILL (CU FT)	14,341.67
ACCESS ROAD IMPROVEMENTS	INSTALL MATS 16 FOOT WIDE FOR ENTIRE LENGTH.

DRAINAGE:

CULVERT TO BE PLACED IN EXISTING DRAINAGE DITCH PER TYPICAL ACCESS ROAD CULVERT. MATS TO BE INSTALLED WITH SUFFICIENT GAPS TO ALLOW MIGRATION OF WATER ACROSS ACCESS ROAD WITHIN WETLAND AREAS AT A SPACING OF NOT LESS THAN 250' AS CONDITIONS DICTATE. GAPS TO BE BRIDGED WITH STEEL PLATES OR EQUIVALENT TO ALLOW TRAFFIC MOVEMENT.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

**TEMPORARY ACCESS ROAD #12
EAST LATERAL ACCESS ROADS
CALCASIEU PASS TERMINAL AND
TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA	
DATE:	SCALE:	DRAWN BY: LOC. NO:	DRAWING NUMBER:
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SHEET NO:	REV:		
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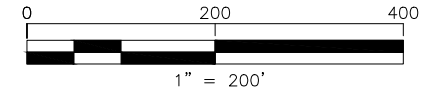
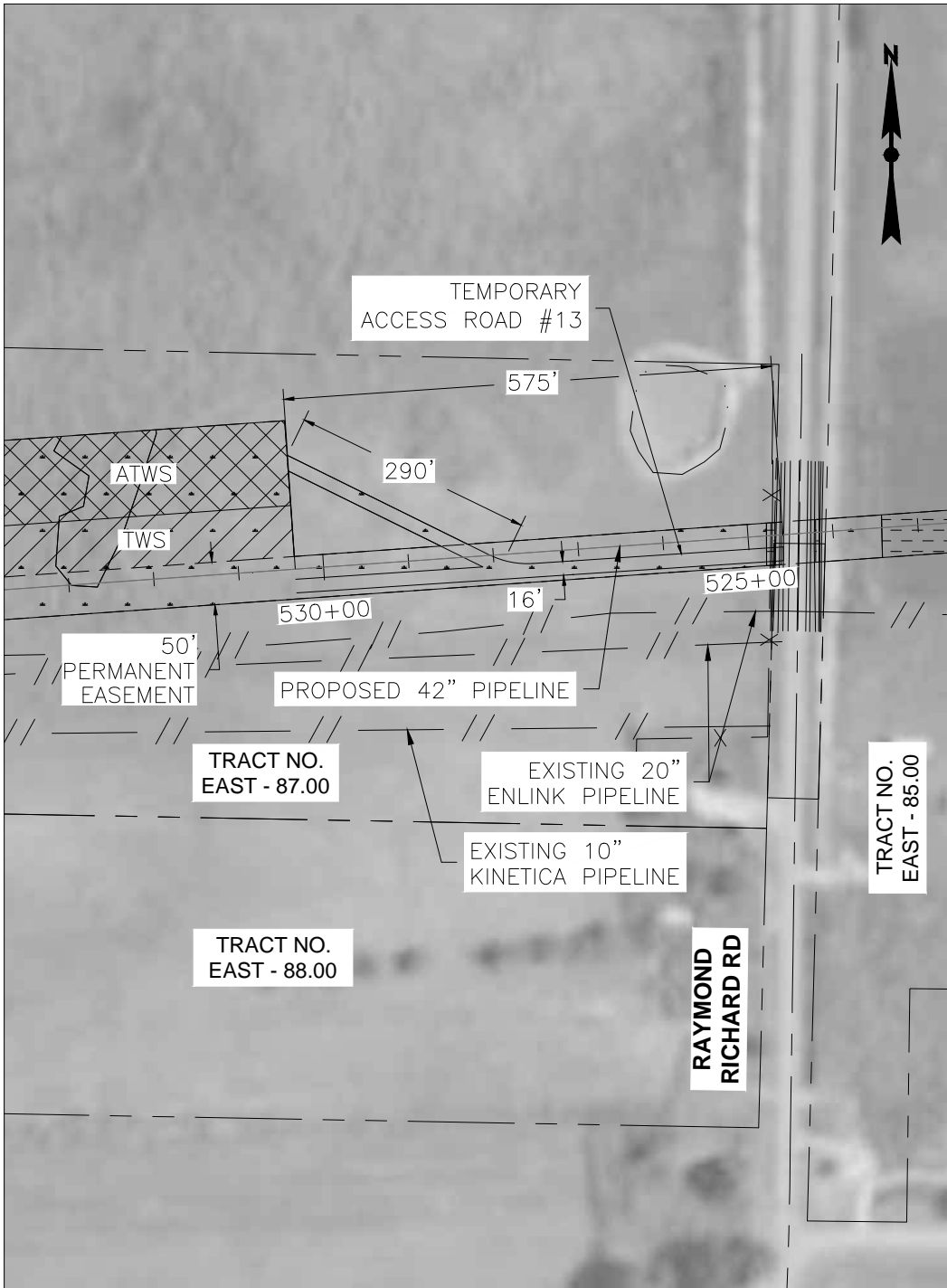
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ACCESS ROAD NAME ACCESS ROAD #13
 NEW BUILD OR USE EXISTING ROAD NEW BUILD
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 865
 ACCESS ROAD WIDTH (FT) 16
 ACCESS ROAD AREA (SQ FT) 13,620
 ACCESS ROAD AREA (AC) 0.31
 ACCESS ROAD AREA DISTURBED (SQ FT) 13,620*
 ACCESS ROAD AREA DISTURBED (AC) 0.31*
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 11,350
 ACCESS ROAD IMPROVEMENTS INSTALL MATS 16 FOOT WIDE FOR ENTIRE LENGTH.
 DRAINAGE:

MATS TO BE INSTALLED WITH SUFFICIENT GAPS TO ALLOW MIGRATION OF WATER ACROSS ACCESS ROAD WITHIN WETLAND AREAS AT A SPACING OF NOT LESS THAN 250' AS CONDITIONS DICTATE. GAPS TO BE BRIDGED WITH STEEL PLATES OR EQUIVALENT TO ALLOW TRAFFIC MOVEMENT.

* AREA DISTURBED BY ACCESS ROAD INCLUDES AREA WITHIN PERMANENT EASEMENT.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

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**TEMPORARY ACCESS ROAD #13
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH LOUISIANA

DATE:	SCALE:	DRAWN BY:	LOC. NO.:	DRAWING NUMBER:	SHEET NO.:	REV.:
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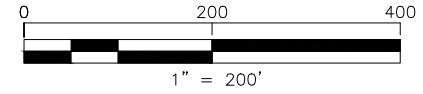
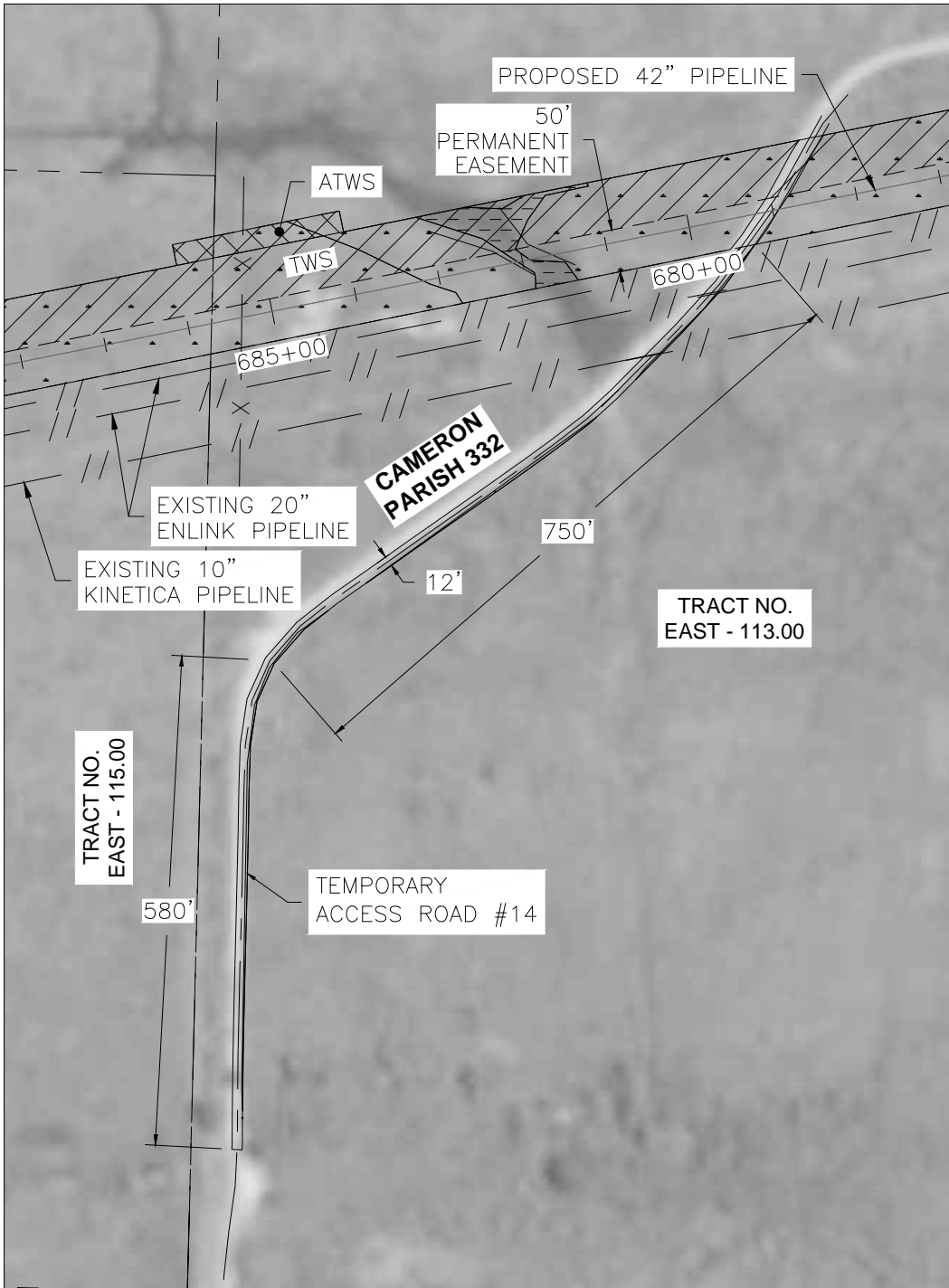
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ACCESS ROAD NAME ACCESS ROAD #14
 NEW BUILD OR USE EXISTING ROAD USE EXISTING
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 1,330
 ACCESS ROAD WIDTH (FT) 12
 ACCESS ROAD AREA (SQ FT) 15,920
 ACCESS ROAD AREA (AC) 0.37
 ACCESS ROAD AREA DISTURBED (SQ FT) 0.00
 ACCESS ROAD AREA DISTURBED (AC) 0.00
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 0.00
 ACCESS ROAD IMPROVEMENTS EXISTING CONDITIONS
 ARE SUITABLE, NO
 IMPROVEMENTS
 NECESSARY.
 DRAINAGE:
 EXISTING DRAINAGE TO BE MAINTAINED.

C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK
REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.

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**TEMPORARY ACCESS ROAD #14
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
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CAMERON PARISH		LOUISIANA				
DATE:	SCALE:	DRAWN BY:	LOC. NO.:	DRAWING NUMBER:	SHEET NO.:	REV.:
02/09/16	1"=200'	AS		TCPPL-M-502.15	17	C

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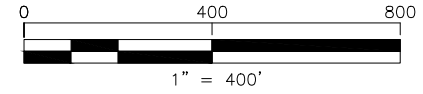
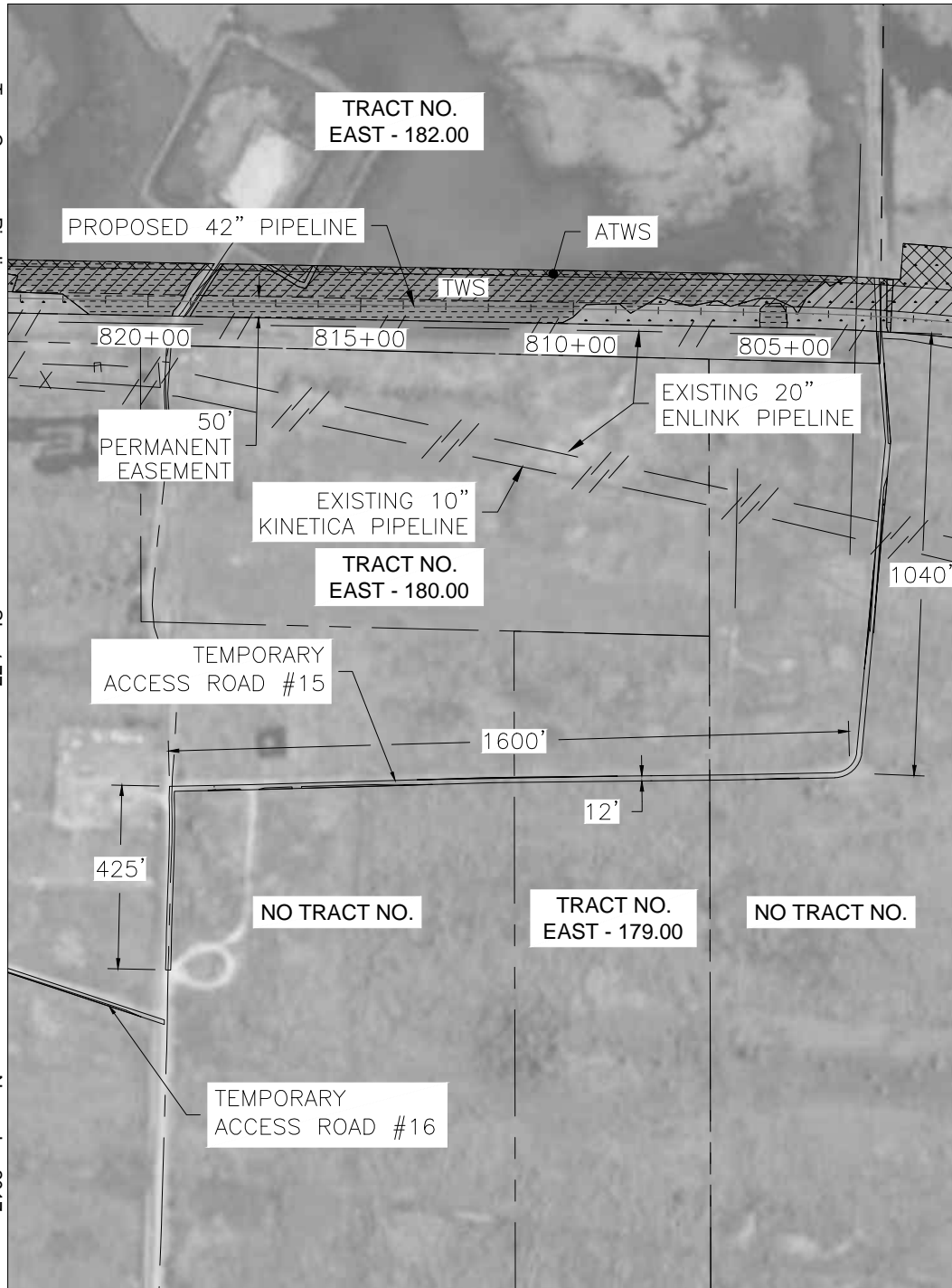
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ACCESS ROAD NAME ACCESS ROAD #15
 NEW BUILD OR USE EXISTING ROAD USE EXISTING
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 3,065
 ACCESS ROAD WIDTH (FT) 12
 ACCESS ROAD AREA (SQ FT) 36,765
 ACCESS ROAD AREA (AC) 0.84
 ACCESS ROAD AREA DISTURBED (SQ FT) 0.00
 ACCESS ROAD AREA DISTURBED (AC) 0.00
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 0.00
 ACCESS ROAD IMPROVEMENTS EXISTING CONDITIONS ARE SUITABLE, NO IMPROVEMENTS NECESSARY.
 DRAINAGE:
 EXISTING DRAINAGE TO BE MAINTAINED.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

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**TEMPORARY ACCESS ROAD #15
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
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CAMERON PARISH		LOUISIANA	
DATE: 02/09/16	SCALE: 1"=400'	DRAWN BY: LOC. NO: AS	DRAWING NUMBER: TCPPL-M-502.16
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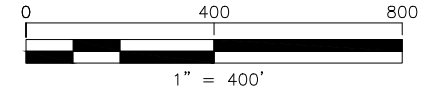
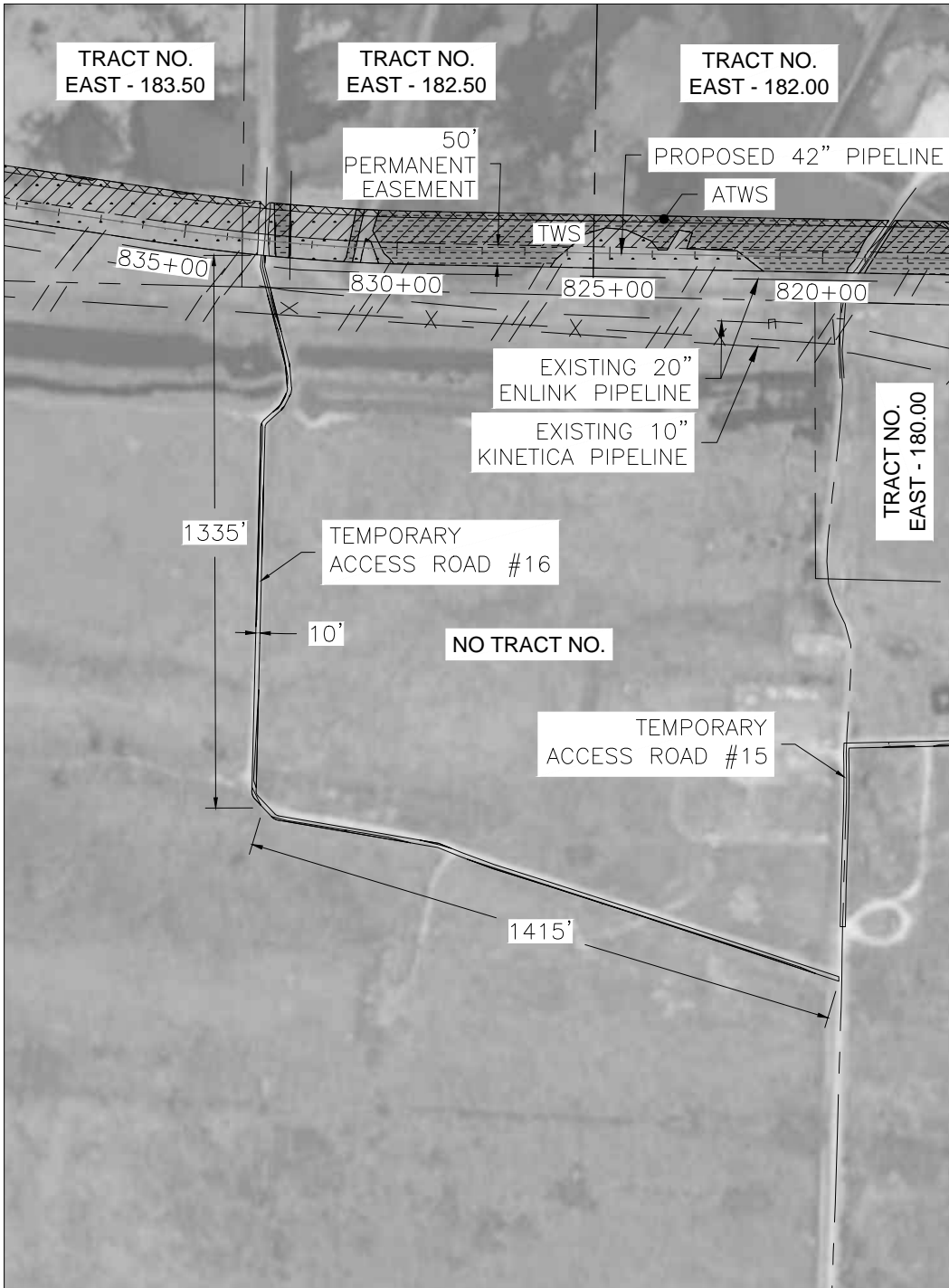
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ACCESS ROAD NAME ACCESS ROAD #16
 NEW BUILD OR USE EXISTING ROAD USE EXISTING
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 2,750
 ACCESS ROAD WIDTH (FT) 10
 ACCESS ROAD AREA (SQ FT) 27,510
 ACCESS ROAD AREA (AC) 0.63
 ACCESS ROAD AREA DISTURBED (SQ FT) 0.00
 ACCESS ROAD AREA DISTURBED (AC) 0.00
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 0.00
 ACCESS ROAD IMPROVEMENTS EXISTING CONDITIONS
 ARE SUITABLE, NO
 IMPROVEMENTS
 NECESSARY.
 DRAINAGE:
 EXISTING DRAINAGE TO BE MAINTAINED.

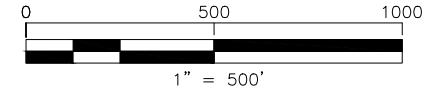
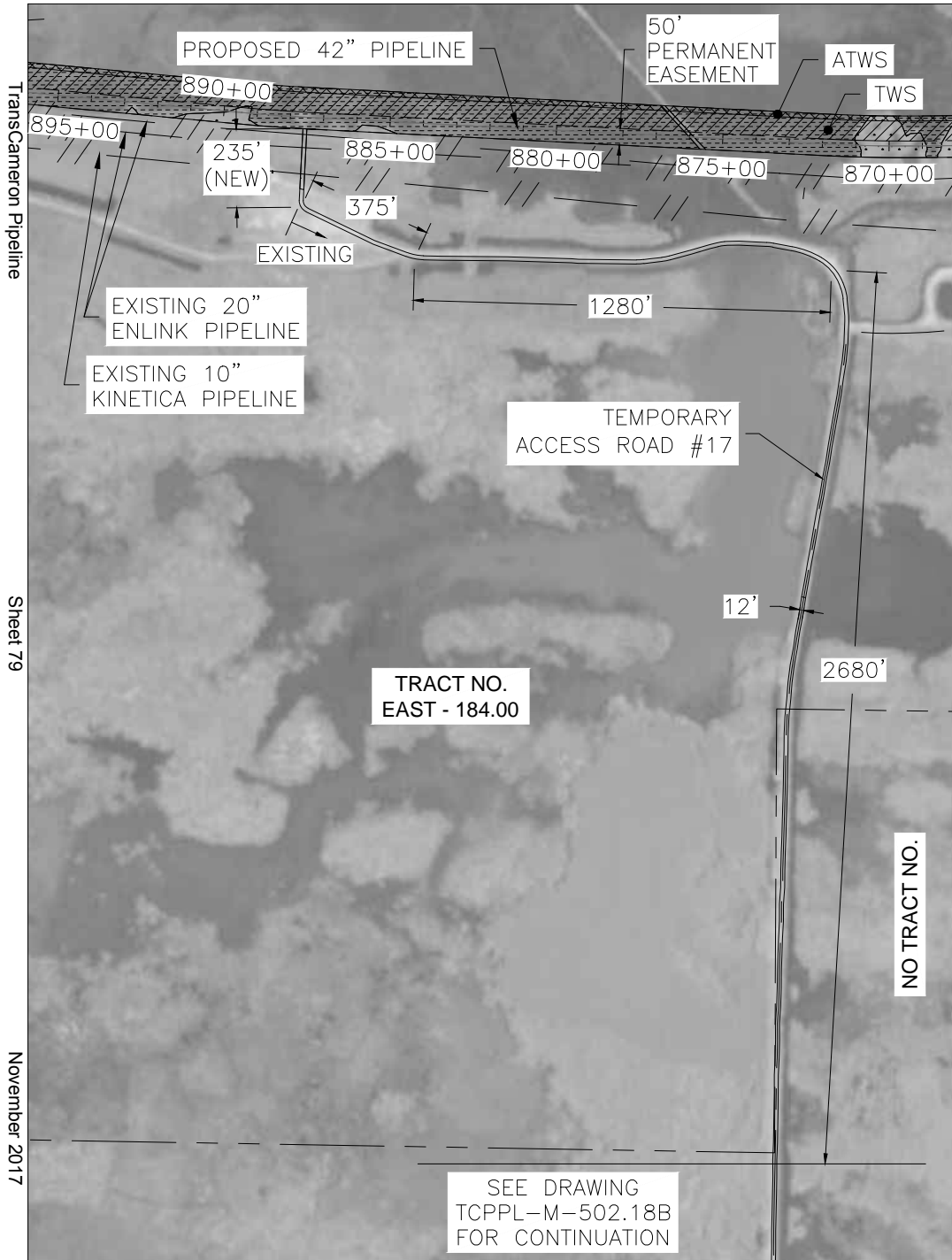
REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	ML	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS					
TEMPORARY ACCESS ROAD #16 EAST LATERAL ACCESS ROADS CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT					
CAMERON PARISH			LOUISIANA		
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ACCESS ROAD NAME ACCESS ROAD #17

NEW BUILD OR USE EXISTING ROAD BOTH

ACCESS ROAD CLASS TEMPORARY

ACCESS ROAD LENGTH (FT) 7,020 (6,785' EX. & 235' NEW)

ACCESS ROAD WIDTH (FT) 12

ACCESS ROAD AREA (SQ FT) 84,250

ACCESS ROAD AREA (AC) 1.93

ACCESS ROAD AREA DISTURBED (SQ FT) 2,580

ACCESS ROAD AREA DISTURBED (AC) 0.06

ACCESS ROAD PERMANENT FILL (CU FT) 0.00

ACCESS ROAD TEMPORARY FILL (CU FT) 0.00

ACCESS ROAD IMPROVEMENTS MAY REQUIRE LEVELING FOR FINAL 215 FOOT (TO ROW).

DRAINAGE:

EXISTING DRAINAGE TO BE MAINTAINED.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

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**TEMPORARY ACCESS ROAD #17
EAST LATERAL ACCESS ROADS
CALCASIEU PASS TERMINAL AND
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CAMERON PARISH		LOUISIANA				
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Sheet 80

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TEMPORARY
ACCESS ROAD #17

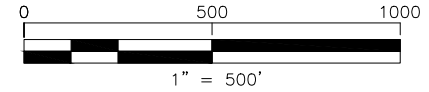
12'

1920'

NO TRACT NO.

TEMPORARY
ACCESS ROAD #18

530'



REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

TEMPORARY ACCESS ROAD #17
EAST LATERAL ACCESS ROADS
CALCASIEU PASS TERMINAL AND
TRANSCAMERON PIPELINE PROJECT

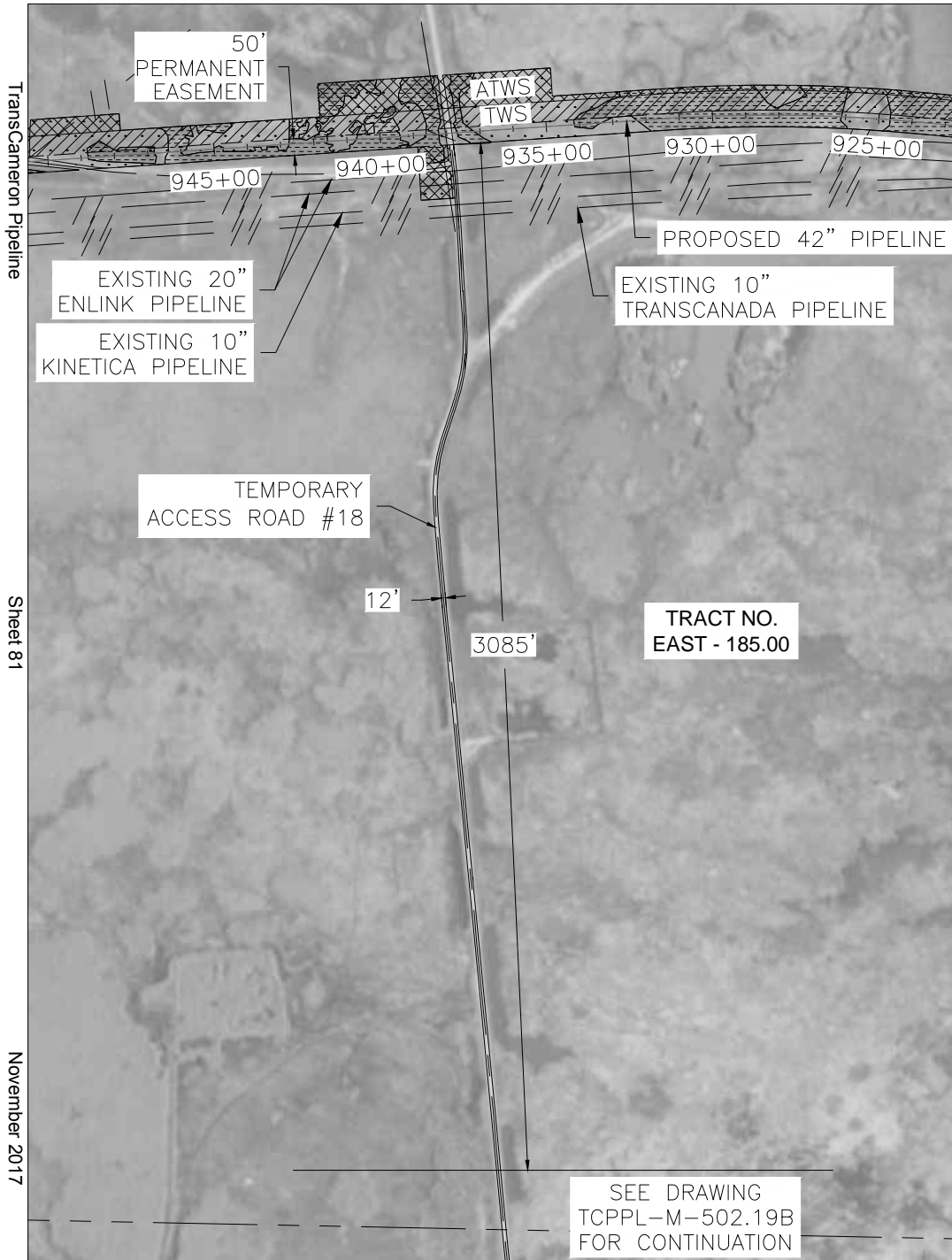
CAMERON PARISH		LOUISIANA	
DATE: 02/23/16	SCALE: 1"=500'	DRAWN BY: AS	LOC. NO. DRAWING NUMBER: TCPPL-M-502.18B
SHEET NO. 21	REV. C		



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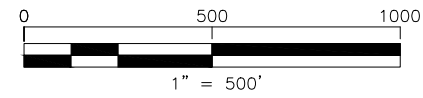
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Sheet 81

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ACCESS ROAD NAME ACCESS ROAD #18
 NEW BUILD OR USE EXISTING ROAD USE EXISTING
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 10,600
 ACCESS ROAD WIDTH (FT) 12
 ACCESS ROAD AREA (SQ FT) 127,125
 ACCESS ROAD AREA (AC) 2.92
 ACCESS ROAD AREA DISTURBED (SQ FT) 0.00
 ACCESS ROAD AREA DISTURBED (AC) 0.00
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 0.00
 ACCESS ROAD IMPROVEMENTS EXISTING CONDITIONS
 ARE SUITABLE, NO
 IMPROVEMENTS
 NECESSARY.
 DRAINAGE:
 EXISTING DRAINAGE TO BE MAINTAINED.

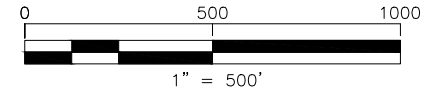
REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS					
TEMPORARY ACCESS ROAD #18 EAST LATERAL ACCESS ROADS CALCASIEU PASS TERMINAL AND TRANSCAMERON PIPELINE PROJECT					
CAMERON PARISH			LOUISIANA		
DATE:	SCALE:	DRAWN BY:	LOC. NO.:	DRAWING NUMBER:	SHEET NO. REV:
02/23/16	1"=500'	AS		TCPPL-M-502.19A	22 C

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REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

**TEMPORARY ACCESS ROAD #18
EAST LATERAL ACCESS ROADS
CALCASIEU PASS TERMINAL AND
TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA				
DATE:	SCALE:	DRAWN BY:	LOC. NO.:	DRAWING NUMBER:	SHEET NO.:	REV.:
02/09/16	1"=500'	AS		TCPPL-M-502.19B	23	C

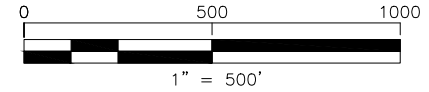
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FOR CONTINUATION



REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

**TEMPORARY ACCESS ROAD #18
EAST LATERAL ACCESS ROADS
CALCASIEU PASS TERMINAL AND
TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA	
DATE: 02/23/16	SCALE: 1"=500'	DRAWN BY: AS	LOC. NO. DRAWING NUMBER: TCPPL-M-502.19C
SHEET NO.: 24		REV.: C	

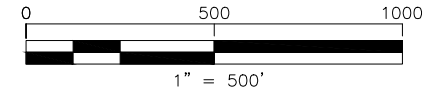
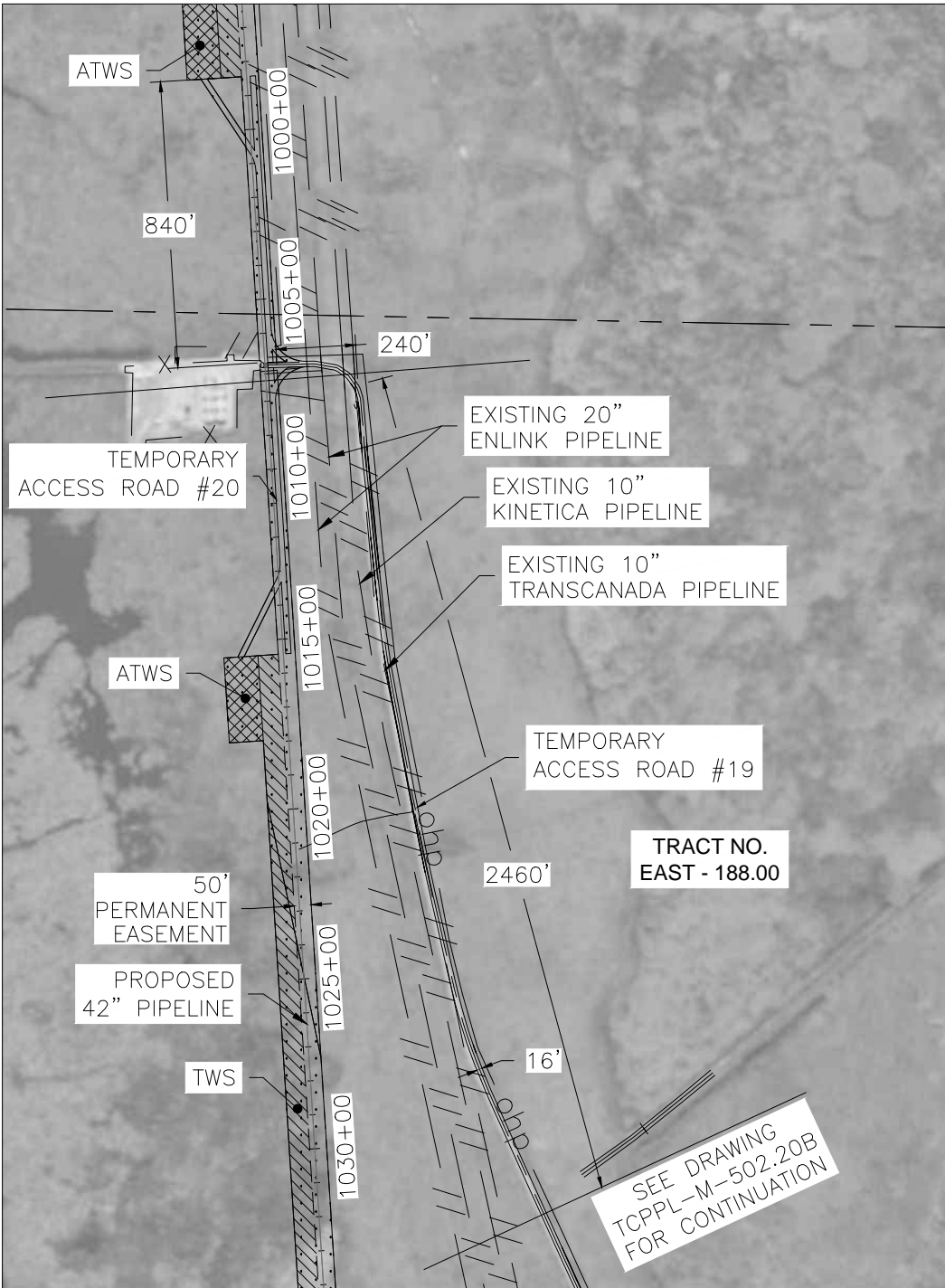
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Sheet 84

November 2017



ACCESS ROAD NAME ACCESS ROAD #19
 NEW BUILD OR USE EXISTING ROAD USE EXISTING
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 12,150
 ACCESS ROAD WIDTH (FT) 16
 ACCESS ROAD AREA (SQ FT) 192,950
 ACCESS ROAD AREA (AC) 4.43
 ACCESS ROAD AREA DISTURBED (SQ FT) 192,950*
 ACCESS ROAD AREA DISTURBED (AC) 4.43*
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 160,791.67
 ACCESS ROAD IMPROVEMENTS MAY REQUIRE MATTING 16 FOOT WIDE FOR ENTIRE LENGTH.

DRAINAGE:

MATS TO BE INSTALLED WITH SUFFICIENT GAPS TO ALLOW MIGRATION OF WATER ACROSS ACCESS ROAD WITHIN WETLAND AREAS AT A SPACING OF NOT LESS THAN 250' AS CONDITIONS DICTATE. GAPS TO BE BRIDGED WITH STEEL PLATES OR EQUIVALENT TO ALLOW TRAFFIC MOVEMENT.

* AREA DISTURBED BY ACCESS ROAD INCLUDES AREA WITHIN PERMANENT EASEMENT.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

**TEMPORARY ACCESS ROAD #19
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA				
DATE:	SCALE:	DRAWN BY:	LOC. NO.:	DRAWING NUMBER:	SHEET NO.:	REV.:
02/09/16	1"=500'	AS		TCPPL-M-502.20A	25	C

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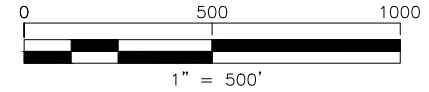
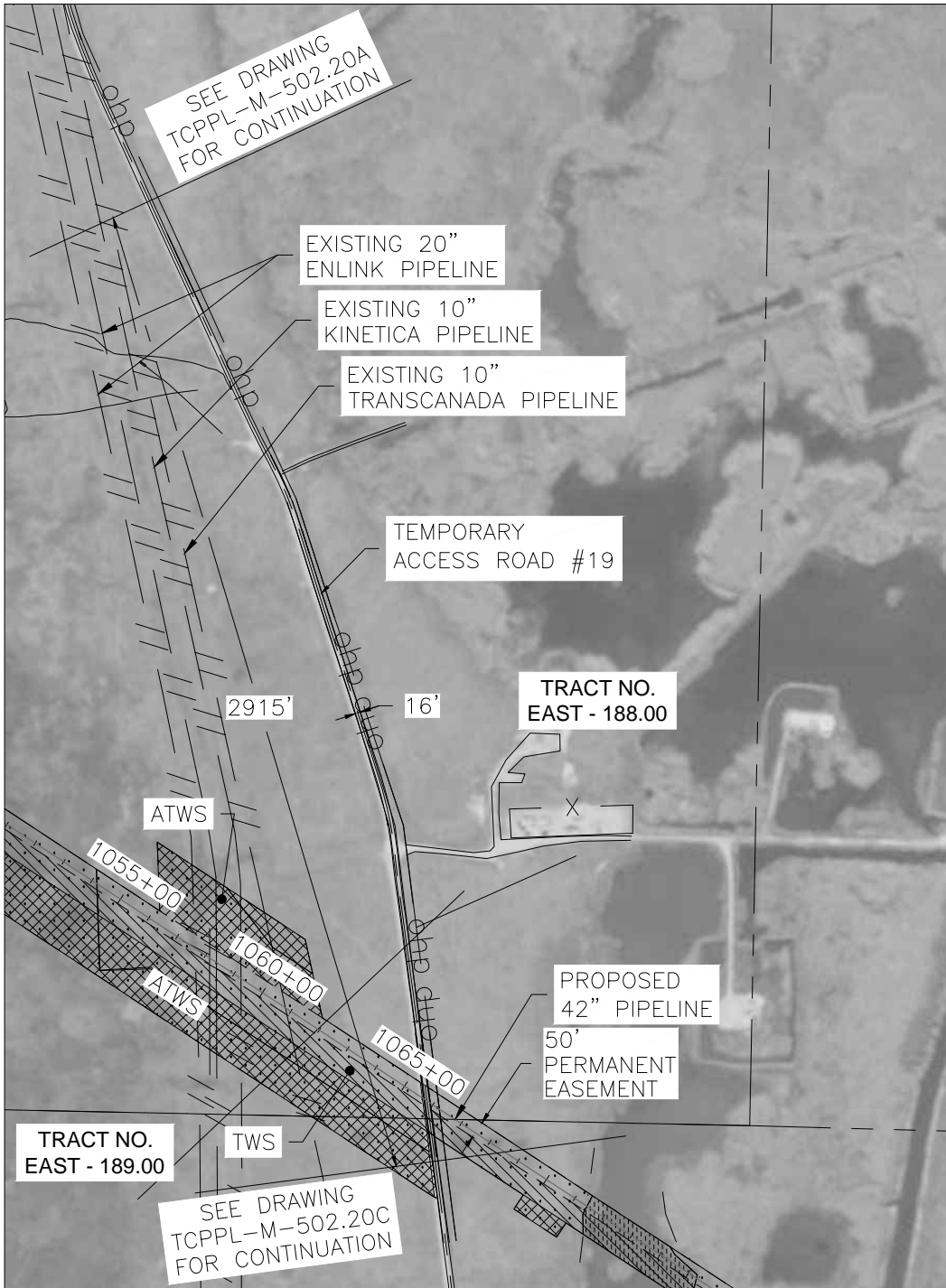
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REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

**TEMPORARY ACCESS ROAD #19
EAST LATERAL ACCESS ROADS
CALCASIEU PASS TERMINAL AND
TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA	
DATE: 02/09/16	SCALE: 1"=500'	DRAWN BY: AS	LOC. NO. DRAWING NUMBER: TCPPL-M-502.20B
SHEET NO.: 26	REV.:	C	

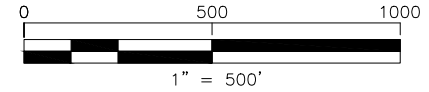
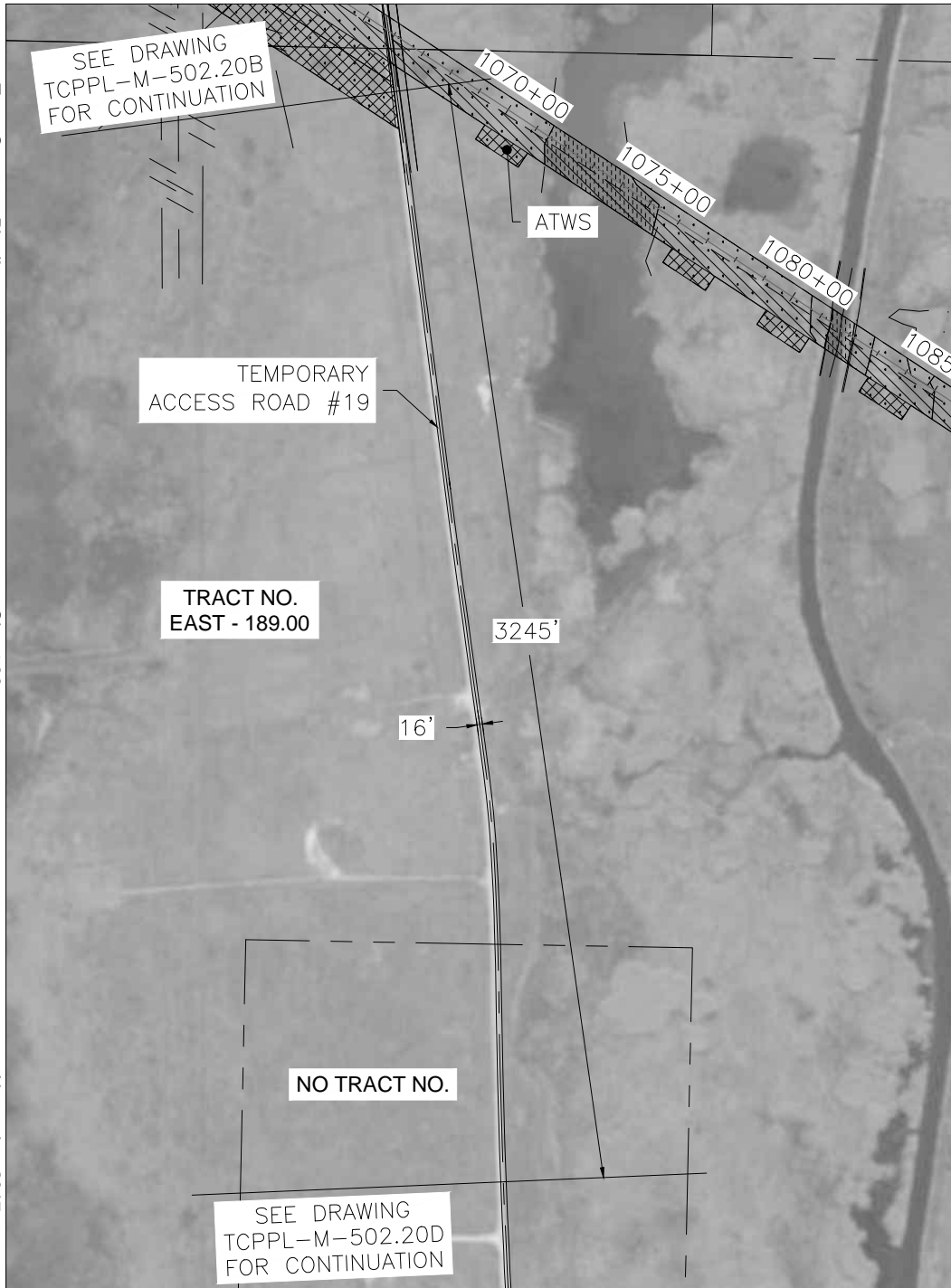
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REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

**TEMPORARY ACCESS ROAD #19
EAST LATERAL ACCESS ROADS
CALCASIEU PASS TERMINAL AND
TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA				
DATE:	SCALE:	DRAWN BY:	LOC. NO.:	DRAWING NUMBER:	SHEET NO.:	REV.:
02/09/16	1"=500'	AS		TCPPL-M-502.20C	27	C

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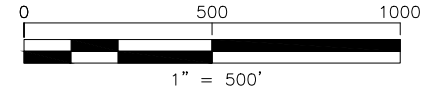
TEMPORARY
ACCESS ROAD #19

TRACT NO.
EAST - 189.00

NO TRACT NO.

2450'

16'



REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

TEMPORARY ACCESS ROAD #19
EAST LATERAL ACCESS ROADS
CALCASIEU PASS TERMINAL AND
TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH		LOUISIANA	
DATE: 02/09/16	SCALE: 1"=500'	DRAWN BY: AS	LOC. NO. DRAWING NUMBER: TCPPL-M-502.20D
SHEET NO. 28	REV. C		

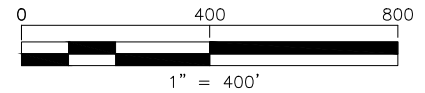
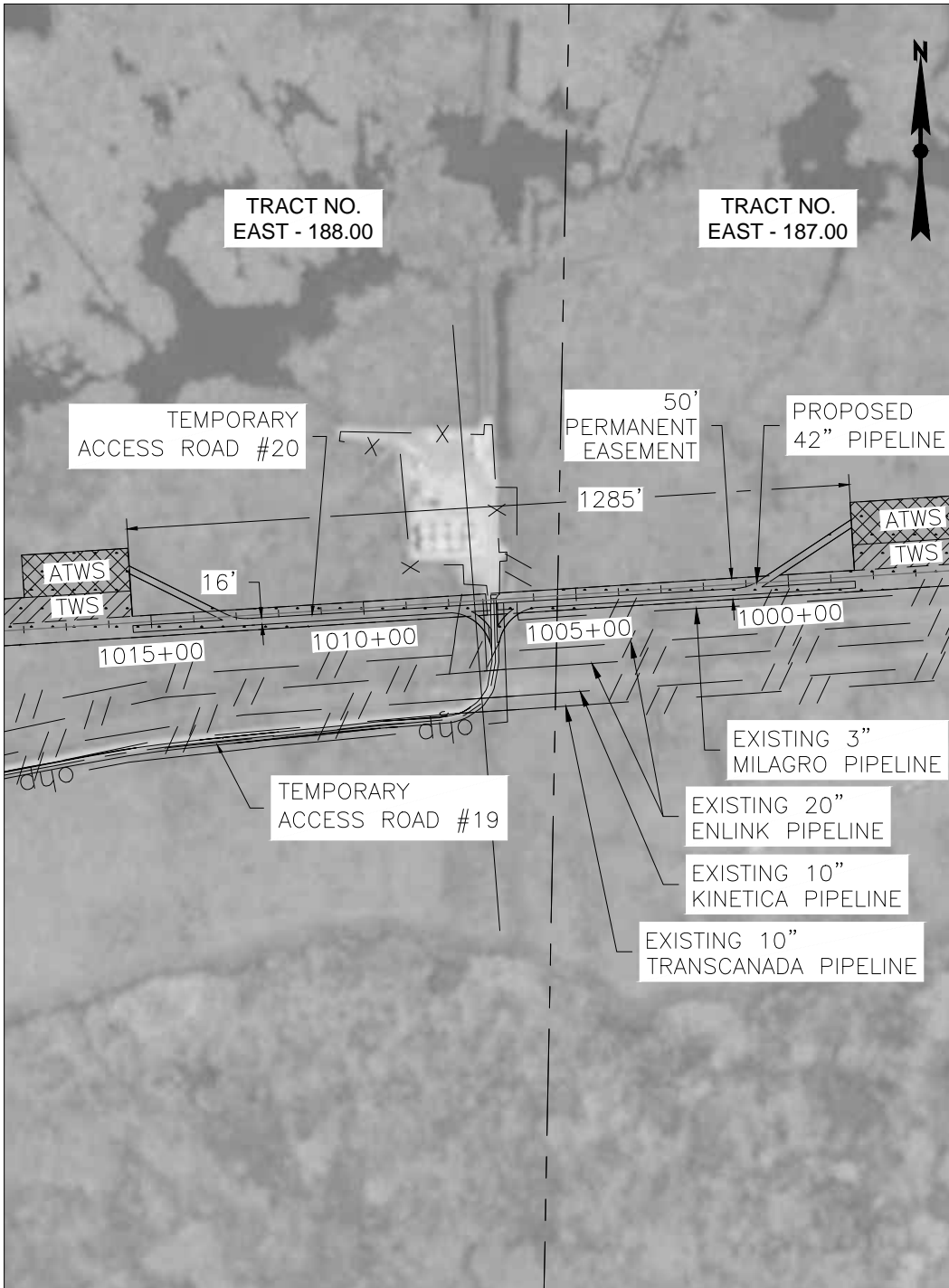
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ACCESS ROAD NAME ACCESS ROAD #20
 NEW BUILD OR USE EXISTING ROAD NEW BUILD
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 1,285
 ACCESS ROAD WIDTH (FT) 16
 ACCESS ROAD AREA (SQ FT) 19,190
 ACCESS ROAD AREA (AC) 0.44
 ACCESS ROAD AREA DISTURBED (SQ FT) 19,190*
 ACCESS ROAD AREA DISTURBED (AC) 0.44*
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 15,991.67
 ACCESS ROAD IMPROVEMENTS INSTALL 16 FOOT WIDE MATTING ENTIRE LENGTH.
 DRAINAGE:

MATS TO BE INSTALLED WITH SUFFICIENT GAPS TO ALLOW MIGRATION OF WATER ACROSS ACCESS ROAD WITHIN WETLAND AREAS AT A SPACING OF NOT LESS THAN 250' AS CONDITIONS DICTATE. GAPS TO BE BRIDGED WITH STEEL PLATES OR EQUIVALENT TO ALLOW TRAFFIC MOVEMENT.

* AREA DISTURBED BY ACCESS ROAD INCLUDES AREA WITHIN PERMANENT EASEMENT.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

**TEMPORARY ACCESS ROAD #20
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA				
DATE:	SCALE:	DRAWN BY:	LOC. NO.:	DRAWING NUMBER:	SHEET NO.:	REV.:
02/09/16	1"=400'	AS		TCPPL-M-502.21	29	C

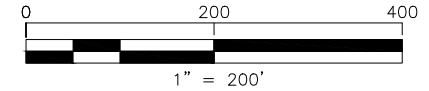
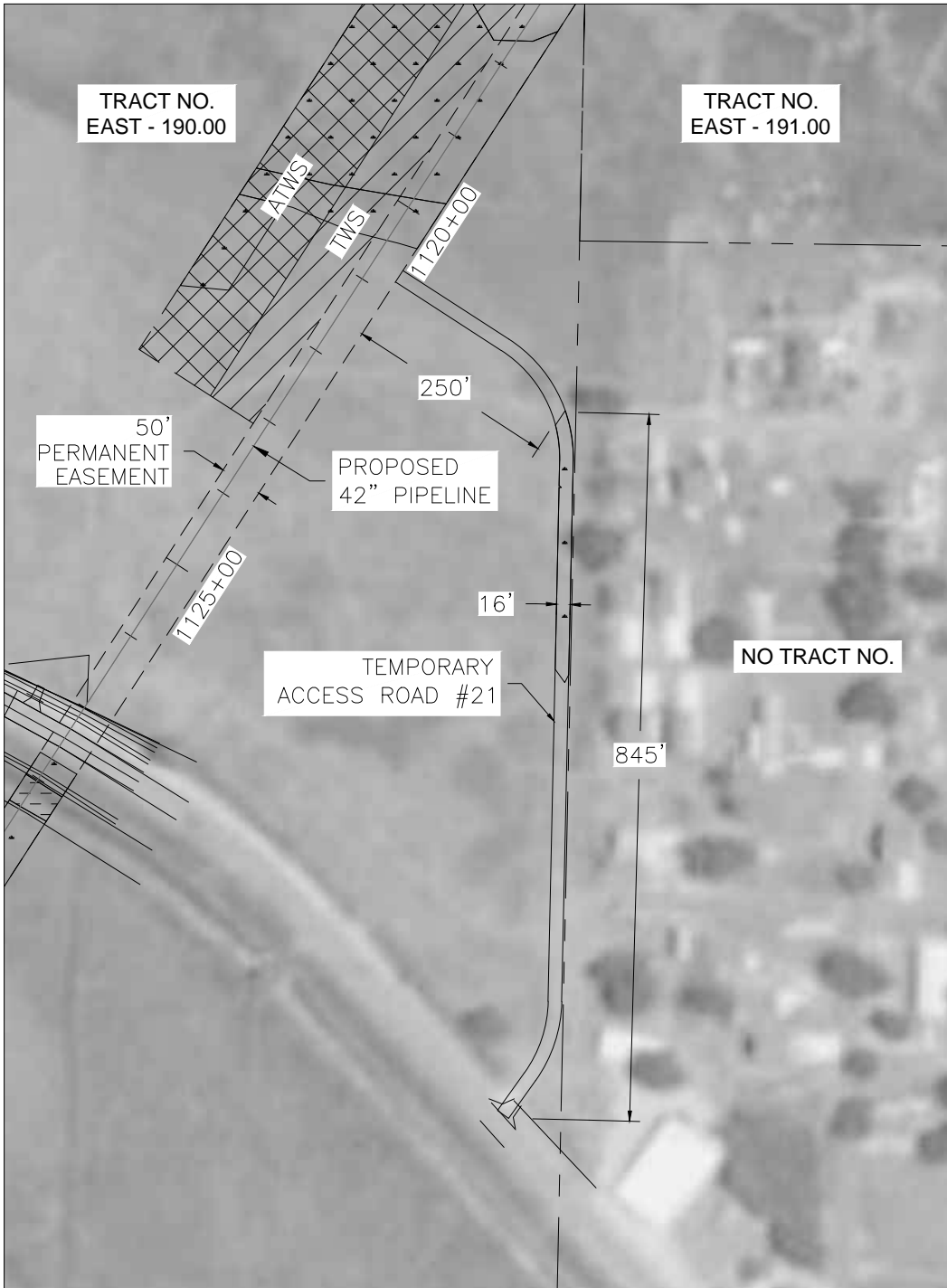
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ACCESS ROAD NAME ACCESS ROAD #21

NEW BUILD OR USE EXISTING ROAD NEW BUILD

ACCESS ROAD CLASS TEMPORARY

ACCESS ROAD LENGTH (FT) 1,095

ACCESS ROAD WIDTH (FT) 16

ACCESS ROAD AREA (SQ FT) 17,500

ACCESS ROAD AREA (AC) 0.40

ACCESS ROAD AREA DISTURBED (SQ FT) 17,500

ACCESS ROAD AREA DISTURBED (AC) 0.40

ACCESS ROAD PERMANENT FILL (CU FT) 0.00

ACCESS ROAD TEMPORARY FILL (CU FT) 14,583.33

ACCESS ROAD IMPROVEMENTS INSTALL 16 FOOT WIDE MATTING ENTIRE LENGTH.

DRAINAGE:

MATS TO BE INSTALLED WITH SUFFICIENT GAPS TO ALLOW MIGRATION OF WATER ACROSS ACCESS ROAD WITHIN WETLAND AREAS AT A SPACING OF NOT LESS THAN 250' AS CONDITIONS DICTATE. GAPS TO BE BRIDGED WITH STEEL PLATES OR EQUIVALENT TO ALLOW TRAFFIC MOVEMENT.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

**TEMPORARY ACCESS ROAD #21
EAST LATERAL ACCESS ROADS
CALCASIEU PASS TERMINAL AND
TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA	
DATE: 02/09/16	SCALE: 1"=200'	DRAWN BY: LOC. NO: AS	DRAWING NUMBER: TCPPL-M-502.22
SHEET NO.: 30		REV.: C	

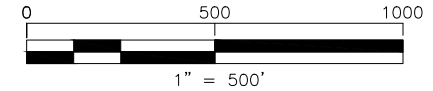
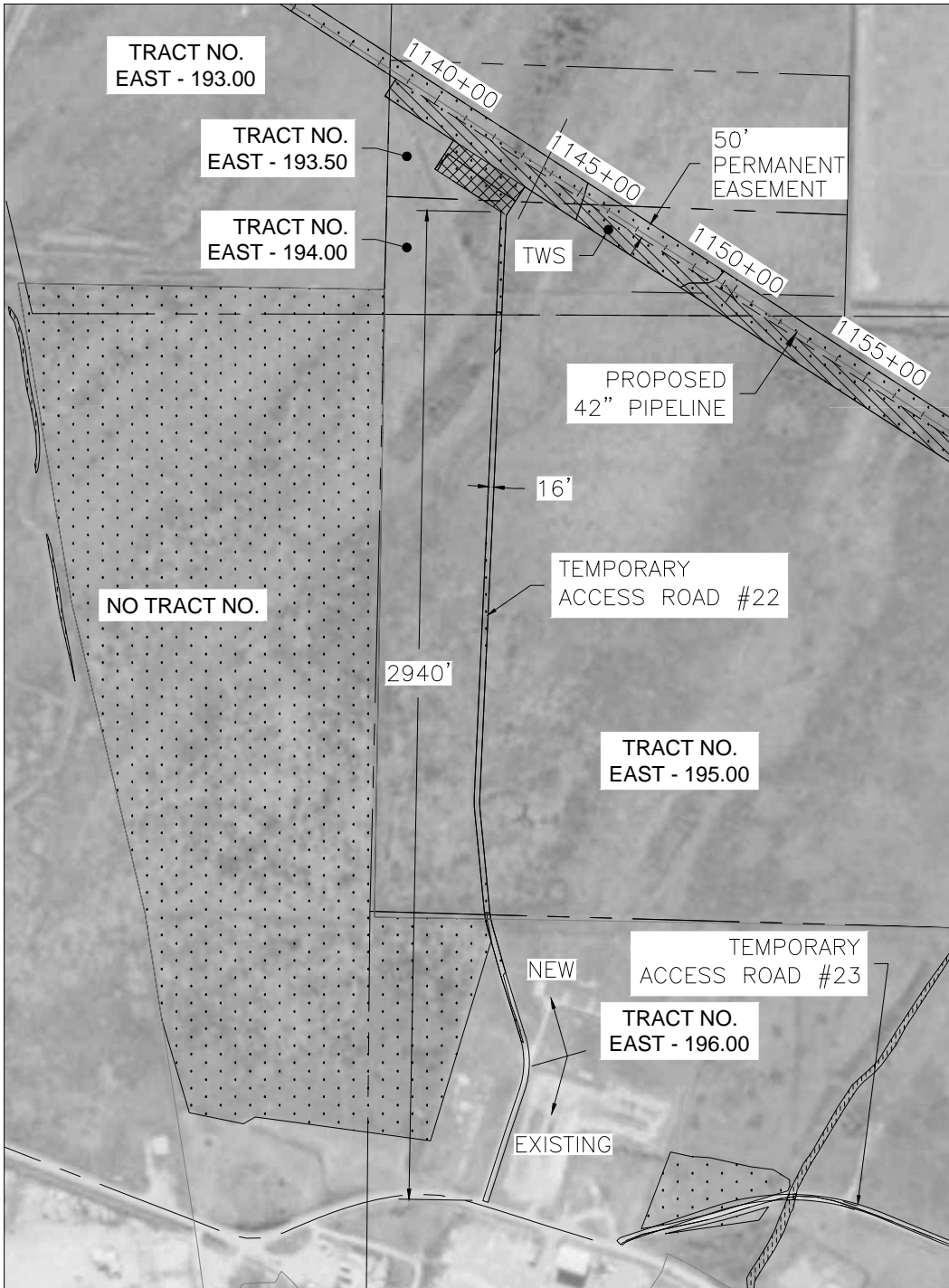


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ACCESS ROAD NAME ACCESS ROAD #22
 NEW BUILD OR USE EXISTING ROAD BOTH
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 2,940 (2,490' EX. & 450' NEW)
 ACCESS ROAD WIDTH (FT) 16
 ACCESS ROAD AREA (SQ FT) 47,045
 ACCESS ROAD AREA (AC) 1.08
 ACCESS ROAD AREA DISTURBED (SQ FT) 47,045
 ACCESS ROAD AREA DISTURBED (AC) 1.08
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 39,204.17
 ACCESS ROAD IMPROVEMENTS INSTALL 16 FOOT WIDE MATTING ENTIRE LENGTH.

DRAINAGE:

MATS TO BE INSTALLED WITH SUFFICIENT GAPS TO ALLOW MIGRATION OF WATER ACROSS ACCESS ROAD WITHIN WETLAND AREAS AT A SPACING OF NOT LESS THAN 250' AS CONDITIONS DICTATE. GAPS TO BE BRIDGED WITH STEEL PLATES OR EQUIVALENT TO ALLOW TRAFFIC MOVEMENT.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

**TEMPORARY ACCESS ROAD #22
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA	
DATE: 02/09/16	SCALE: 1"=500'	DRAWN BY: AS	LOC. NO. DRAWING NUMBER: TCPPL-M-502.23
SHEET NO.: 31		REV.: C	

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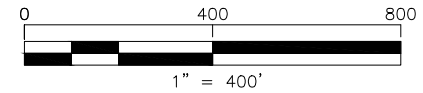
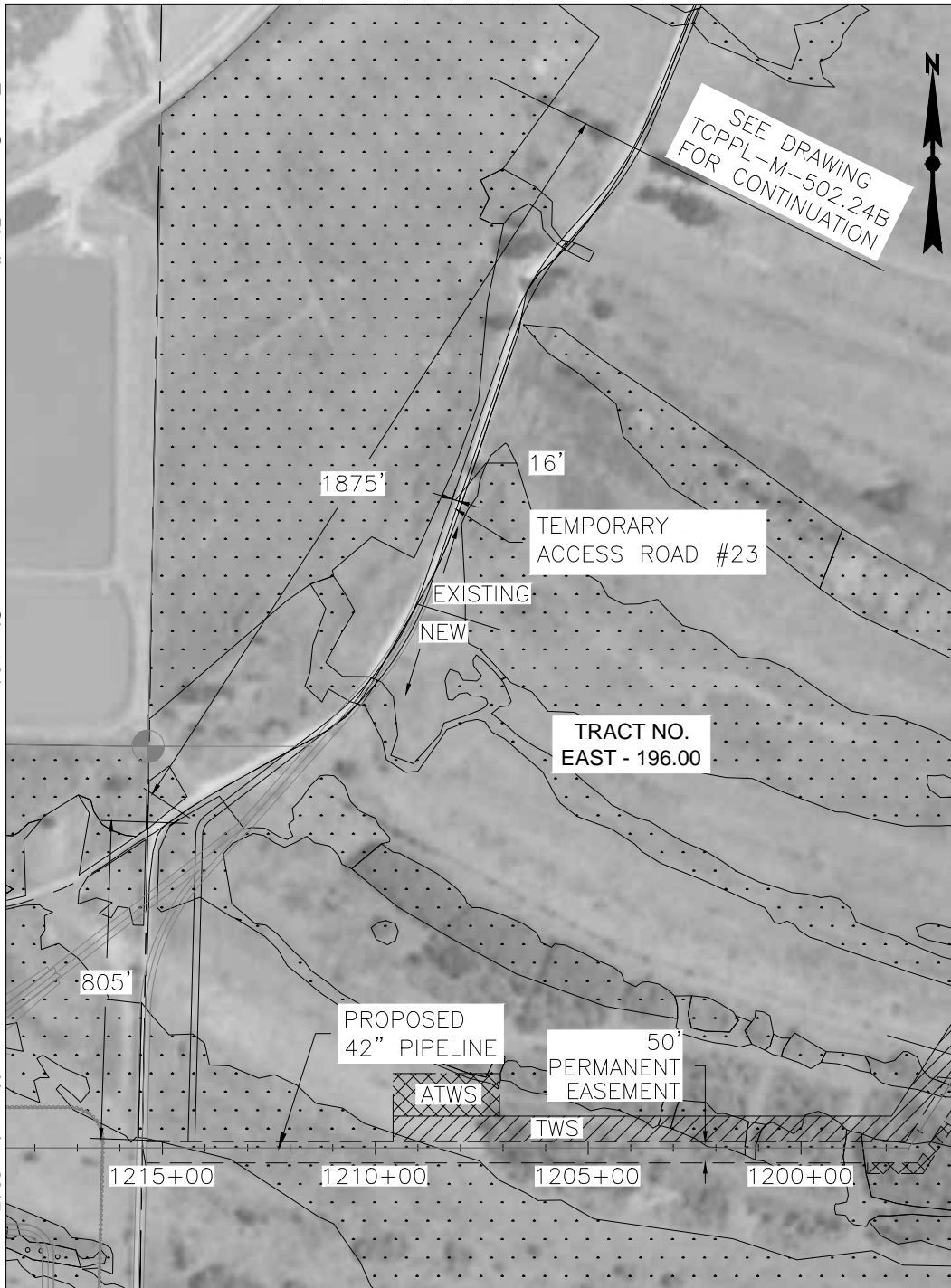
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ACCESS ROAD NAME ACCESS ROAD #23
 NEW BUILD OR USE EXISTING ROAD BOTH
 ACCESS ROAD CLASS TEMPORARY
 ACCESS ROAD LENGTH (FT) 4,750
 ACCESS ROAD WIDTH (FT) 16
 ACCESS ROAD AREA (SQ FT) 76,015
 ACCESS ROAD AREA (AC) 1.75
 ACCESS ROAD AREA DISTURBED (SQ FT) 0.00
 ACCESS ROAD AREA DISTURBED (AC) 0.00
 ACCESS ROAD PERMANENT FILL (CU FT) 0.00
 ACCESS ROAD TEMPORARY FILL (CU FT) 0.00
 ACCESS ROAD IMPROVEMENTS EXISTING CONDITIONS ARE SUITABLE, NO IMPROVEMENTS NECESSARY.

DRAINAGE:

EXISTING TO BE MAINTAINED ALONG EXISTING ROAD. MATS TO BE INSTALLED WITH SUFFICIENT GAPS TO ALLOW MIGRATION OF WATER ACROSS ACCESS ROAD WITHIN WETLAND AREAS AT A SPACING OF NOT LESS THAN 250' AS CONDITIONS DICTATE. GAPS TO BE BRIDGED WITH STEEL PLATES OR EQUIVALENT TO ALLOW TRAFFIC MOVEMENT.

REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
D	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
C	06/28/16	CNW	REVISED PER NEW TERMINAL SITE PLAN REV. 14	TCB	DK
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

TEMPORARY ACCESS ROAD #23
 EAST LATERAL ACCESS ROADS
 CALCASIEU PASS TERMINAL AND
 TRANSCAMERON PIPELINE PROJECT

CAMERON PARISH		LOUISIANA				
DATE:	SCALE:	DRAWN BY:	LOC. NO.:	DRAWING NUMBER:	SHEET NO.:	REV.:
02/09/16	1"=400'	AS		TCPPL-M-502.24A	32	D

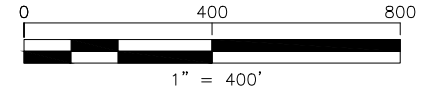
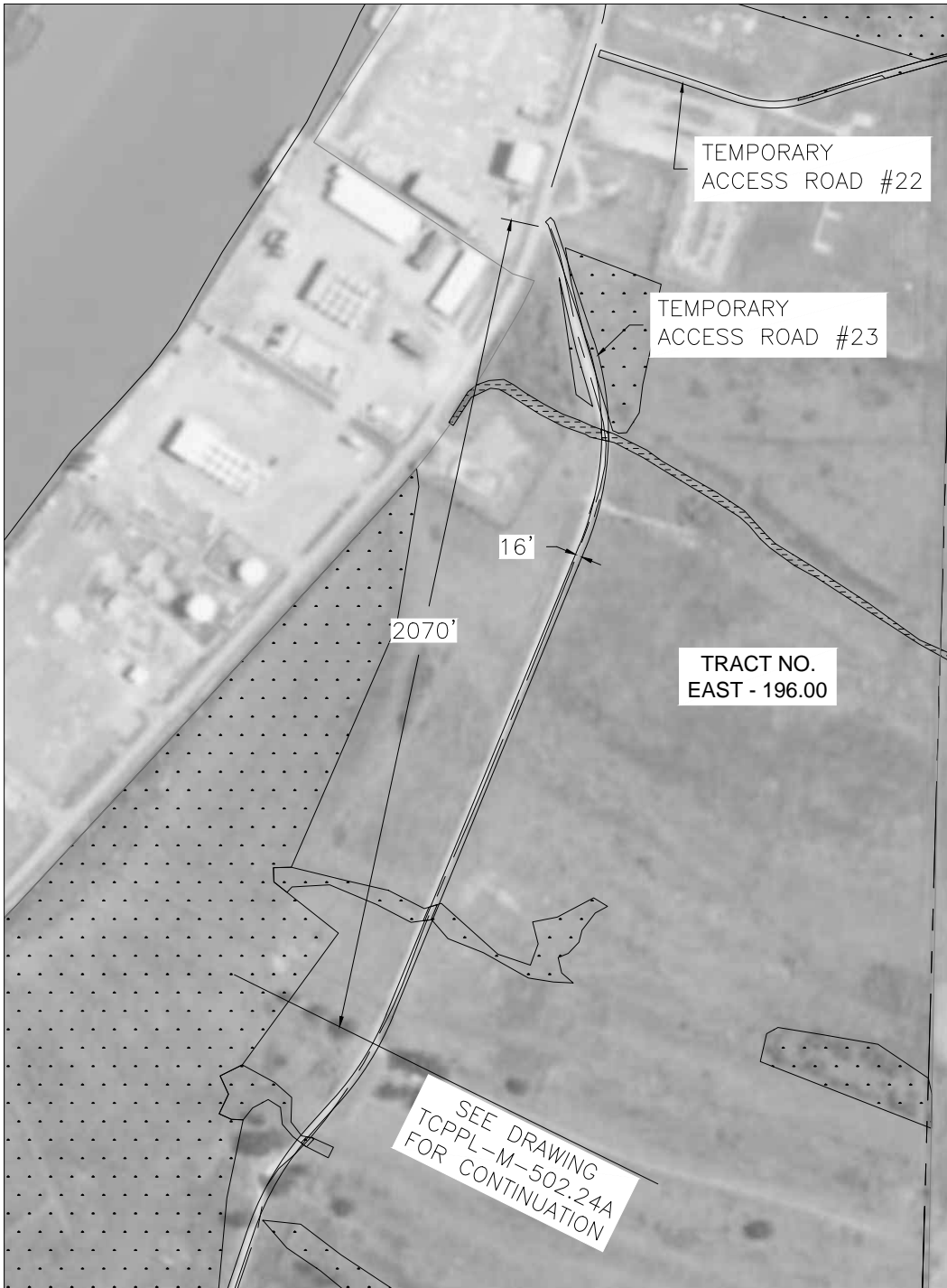


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REV. LEVEL	DATE	BY	DESCRIPTION	CK.	APP.
C	08/19/16	MFL	REVISED PER LDNR COMMENTS; RE-ISSUED FOR PERMIT	NP	-
B	06/21/16	CNW	TITLE BLOCK REVISED FOR TRANSCAMERON AMENDMENT	TCB	-
A	02/23/16	AS	ISSUED FOR PERMIT	TCB	DK

REVISIONS

**TEMPORARY ACCESS ROAD #23
EAST LATERAL ACCESS ROADS
CALCASIEU PASS TERMINAL AND
TRANSCAMERON PIPELINE PROJECT**

CAMERON PARISH		LOUISIANA				
DATE:	SCALE:	DRAWN BY:	LOC. NO.:	DRAWING NUMBER:	SHEET NO.:	REV.:
02/09/16	1"=400'	AS		TCPPL-M-502.24B	33	C

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