

Comparable Projects for Xcel 20" Harrington Pipeline

Project Name	Operator	Year	State	Miles	Diameter	Total Cost	Cost per Mile	Normalized Cost for 2020 \$		
								CPI FACTOR	Total Cost	Cost per Mile
Dalton Expansion Project	Transcontinental Gas Pipeline Co. LLC	2016	GA, VA, NC	115	8 miles of 30" 51 miles of 24" 54 miles of 20" 2 miles of 16"	\$321,390,825	\$2,794,703	1.072	\$344,530,964.40	\$2,995,921.43
Virginia Southside Expansion Projects	Transcontinental Gas Pipeline Company	2013	NC, NJ, VA	98	24"	\$220,810,315	\$2,253,166	1.103	\$243,553,777.45	\$2,485,242.63
Midship Project	Midship Pipeline Company	2018	OK	233	200 miles of 36" 20 miles of 30" 13 miles of 16"	\$585,372,569	\$2,512,329	1.023	\$598,836,138.09	\$2,570,112.18
Spire STL Pipeline	Spire STL Pipeline, LLC	2018	IL, MO	66	59 miles of 24" 7 miles of 20"	\$265,824,524	\$4,027,644	1.023	\$271,938,488.05	\$4,120,280.12
Valley Expansion Pipeline	WBI Energy Transmission, Inc.	2018	MN, ND	37	16"	\$46,260,671	\$1,250,288	1.023	\$47,324,666.43	\$1,279,045.04
Northern Access Pipeline	National Fuel Supply Corporation & Empire Pipeline LLC	2017	NY, PA	100	24"	\$326,253,497	\$3,262,535	1.049	\$342,239,918.35	\$3,422,399.18
Willis Lateral	Gulf South Pipeline Company, LP	2018	TX	19	24"	\$49,373,407	\$2,598,600	1.023	\$50,508,995.36	\$2,658,368.18
Port Arthur Lateral	Florida Gas Transmission Company, LLC	2018	TX	11	16"	\$26,349,928	\$2,395,448	1.203	\$26,955,976	\$2,450,543
Harrington Pipeline	Xcel Energy	-	TX	22	20"	\$42,753,722	\$1,955,285	-	-	-

Average of Comparable Projects: \$2,747,739

Project Name	Operator	Year	State	Miles	Diameter	% Cost Allocation									
						MATERIAL	CONSTRUCTION	RIGHT OF WAY	SURVEY	ENGINEERING & INSPECTION	ENVIRONMENTAL	LEGAL & PUBLIC AFFAIRS	LINE PACK	ADMIN & GEN	CONTINGENCY
Dalton Expansion Project	Transcontinental Gas Pipeline Co. LLC	2016	GA, VA, NC	115	8 miles of 30" 51 miles of 24" 54 miles of 20" 2 miles of 16"	16.0%	50.4%	7.9%	2.0%	7.9%	0.0%	1.4%	0.2%	1.0%	13.1%
Virginia Southside Expansion Projects	Transcontinental Gas Pipeline Company	2013	NC, NJ, VA	98	24"	26.6%	40.5%	2.5%	2.5%	15.6%	0.0%	0.0%	0.2%	2.9%	9.2%
Midship Project	Midship Pipeline Company	2018	OK	233	200 miles of 36" 20 miles of 30" 13 miles of 16"	31.5%	46.8%	5.9%	2.2%	1.4%	0.0%	0.3%	0.0%	0.9%	11.1%
Spire STL Pipeline	Spire STL Pipeline, LLC	2018	IL, MO	66	59 miles of 24" 7 miles of 20"	8.2%	72.0%	4.2%	0.0%	5.6%	1.4%	0.0%	0.0%	1.3%	7.2%
Valley Expansion Pipeline	WBI Energy Transmission, Inc.	2018	MN, ND	37	16"	24.0%	62.0%	5.3%	1.6%	6.2%	0.0%	0.2%	0.0%	0.6%	0.0%
Northern Access Pipeline	National Fuel Supply Corporation & Empire Pipeline LLC	2017	NY, PA	100	24"	16.8%	60.4%	5.6%	1.9%	3.6%	1.2%	0.5%	0.1%	1.0%	8.8%
Willis Lateral	Gulf South Pipeline Company, LP	2018	TX	19	24"	16.8%	59.1%	12.8%	3.0%	4.3%	2.4%	1.0%	-	1.3%	-
Port Arthur Lateral	Florida Gas Transmission Company, LLC	2018	TX	11	16"	13.7%	41.3%	17.4%	3.8%	7.9%	0.7%	0.7%	0.04%	3.5%	8.5%
Average:						19.2%	54.1%	7.7%	2.1%	6.6%	0.7%	0.5%	0.1%	1.6%	8.3%
Harrington Pipeline	Xcel Energy	-	TX	22	20"	24.6%	47.2%	7.6%	1.7%	3.7%	0.5%	0.5%	0.1%	1.1%	13.0%

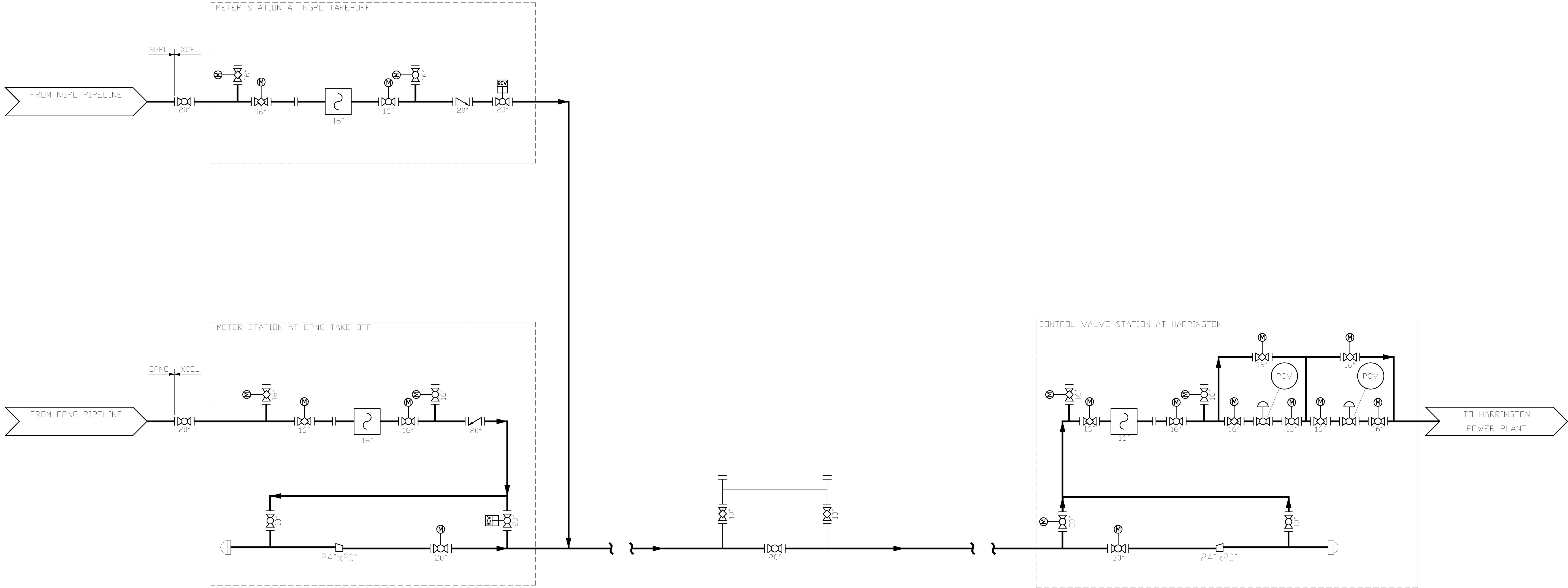
ATTACHMENT C
Feature Crossing List

Harrington Pipeline Feasibility Study

Feature Crossing List for Xcel 20" Harrington Pipeline

Approximate Mile Post	Feature Name	Additional Information	Latitude	Longitude	County	Feature Type	Effective Feature Distance	Anticipated Installation Method	Anticipated Installation Length (ft)	Pipe Specification
0.16	Stream/Wetland	Riverine	35.386003	-102.046081	Potter	Waterbody/Wetland	869	Bore	200	NPS 20 X 0.375" W.T.
0.94	Stream/Wetland	Riverine	35.381886	-102.034392	Potter	Waterbody/Wetland	4974	HDD	1000	NPS 20 X 0.375" W.T.
1.68	Stream/Wetland	Riverine	35.381875	-102.021275	Potter	Waterbody/Wetland	8885	Bore	250	NPS 20 X 0.375" W.T.
3.49	Stream/Wetland	Multiple Riverine Crossings	35.381811	-101.989217	Potter	Waterbody/Wetland	18442	HDD	1500	NPS 20 X 0.375" W.T.
4.14	Stream/Wetland	Riverine	35.381767	-101.977806	Potter	Waterbody/Wetland	21844	Bore	100	NPS 20 X 0.375" W.T.
4.39	Stream/Wetland	Riverine	35.381756	-101.973400	Potter	Waterbody/Wetland	23158	Bore	100	NPS 20 X 0.375" W.T.
8.13	Stream/Wetland	Riverine	35.379322	-101.914014	Potter	Waterbody/Wetland	42930	HDD	1000	NPS 20 X 0.375" W.T.
10.70	Stream/Wetland	Riverine	35.381444	-101.874500	Potter	Waterbody/Wetland	56482	Bore	200	NPS 20 X 0.375" W.T.
12.70	Stream/Wetland	Riverine Split	35.381942	-101.839625	Potter	Waterbody/Wetland	66882	Bore	250	NPS 20 X 0.375" W.T.
13.00	State Highway 87	Highway	35.382097	-101.832200	Potter	Road	69096	HDD	1000	NPS 20 X 0.375" W.T.
17.70	Stream/Wetland	Riverine	35.322936	-101.813414	Potter	Waterbody/Wetland	93699	Bore	100	NPS 20 X 0.375" W.T.
18.00	Railroad	Riverine and Railroad	35.321578	-101.809575	Potter	Railroad	94998	HDD	1000	NPS 20 X 0.375" W.T.
18.90	Stream/Wetland	Riverine	35.317617	-101.793850	Potter	Waterbody/Wetland	99928	Bore	100	NPS 20 X 0.375" W.T.
20.00	Stream/Wetland	Riverine	35.312703	-101.776386	Potter	Waterbody/Wetland	105437	Bore	100	NPS 20 X 0.375" W.T.
21.30	Stream/Wetland	Freshwater Emergent Wetland	35.302256	-101.757292	Potter	Waterbody/Wetland	112632	Bore	250	NPS 20 X 0.375" W.T.
21.80	Railroad	Railroad	35.296308	-101.752703	Potter	Railroad	115348	Bore	250	NPS 20 X 0.375" W.T.

ATTACHMENT D
Process Flow Diagram



DESIGN CONDITIONS:

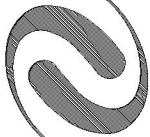

DESIGN PRESSURE: 1,125 PSIG
INLET PRESSURE FROM EPNG: 600 PSIG
INLET PRESSURE FROM NGPL: 600 PSIG
DELIVERY PRESSURE: 100 PSIG MIN.

PEAK FLOW RATE: 11,042 DTH/HR
DESIGN FACTOR: 0.5
DESIGN TEMPERATURE: 60°F

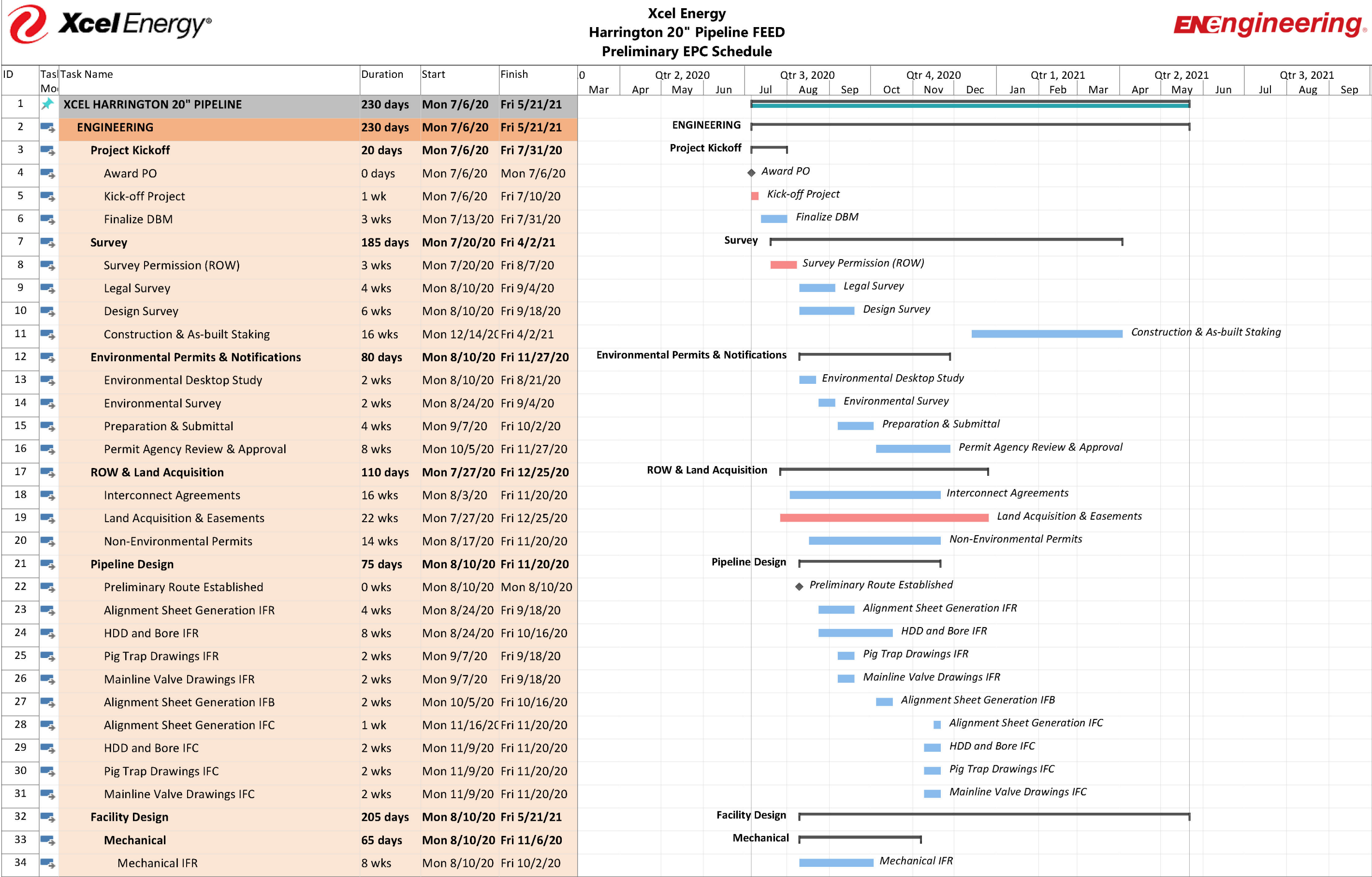
ENEngineering

28100 TORCH PARKWAY
WARRENVILLE, IL 60555
TEL. 630.353.4000
FAX 630.353.7777
WWW.ENENGINEERING.COM

CAD File Name: PID_1000.dwg

<div><div><div></div><div>PUBLIC SERVICE COMPANY OF COLORADO</div></div><div><div>DRAWING 1000</div><div>SHEET 0001</div><div></div></div></div>	HARRINGTON PIPELINE FEED EPNG & NGPL TO HARRINGTON POWER PLANT PROCESS FLOW DIAGRAM		LOCATION: TEXAS CITY/COUNTY : POTTER COUNTY		DIVISION:6 W/D :	
	DRAWN BY: BLS		DATE		REVISIONS	
	DESIGNED BY: T.JL		05/14/20		NO.	
	CHECKED BY: BLA		05/13/20		ISSUED FOR FEED	
	APPROVED BY: DD		05/21/20		BY	
PLAT/FACET NO.		T.JL		DATE		
06/12/20						

ATTACHMENT E
Preliminary Project Schedule

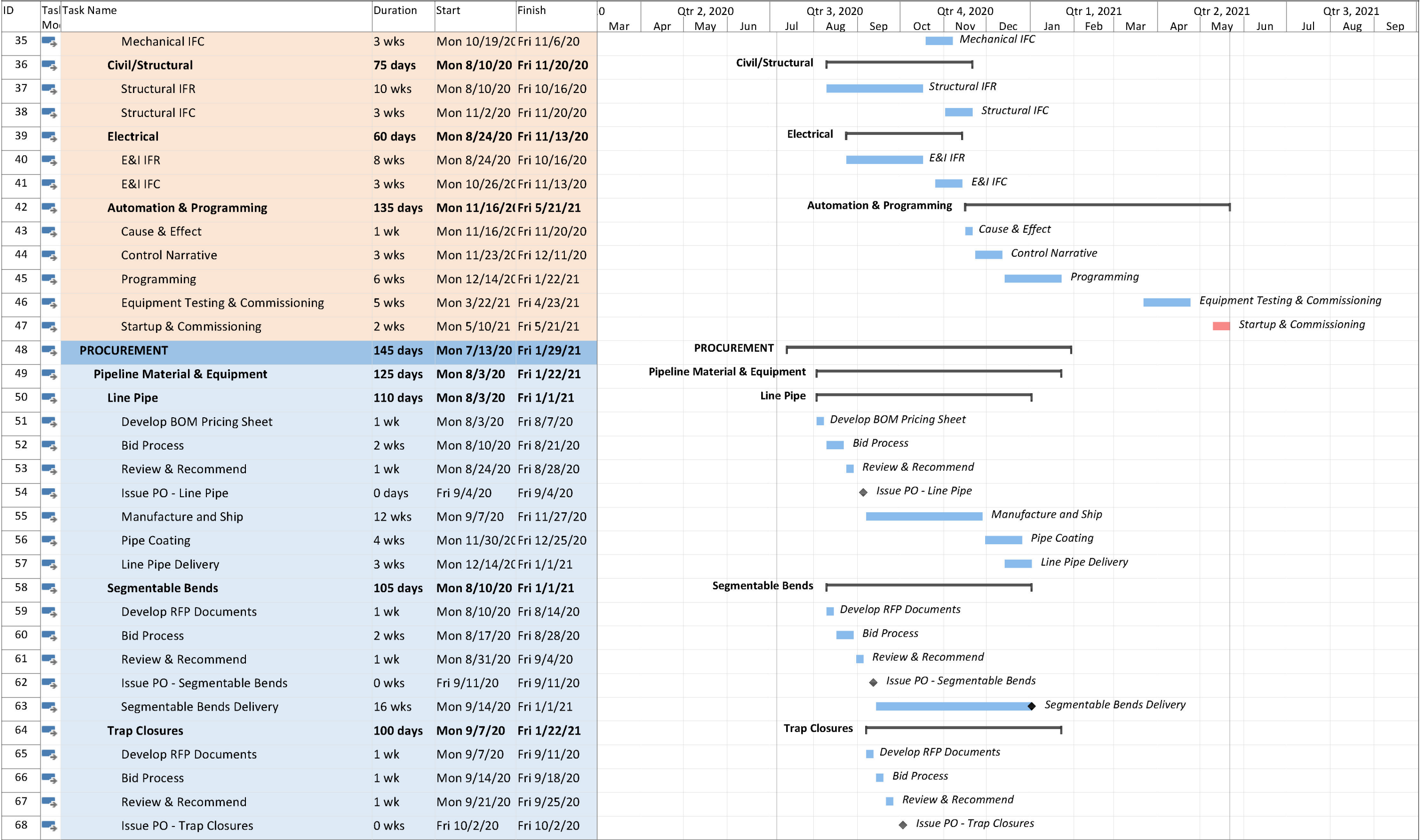


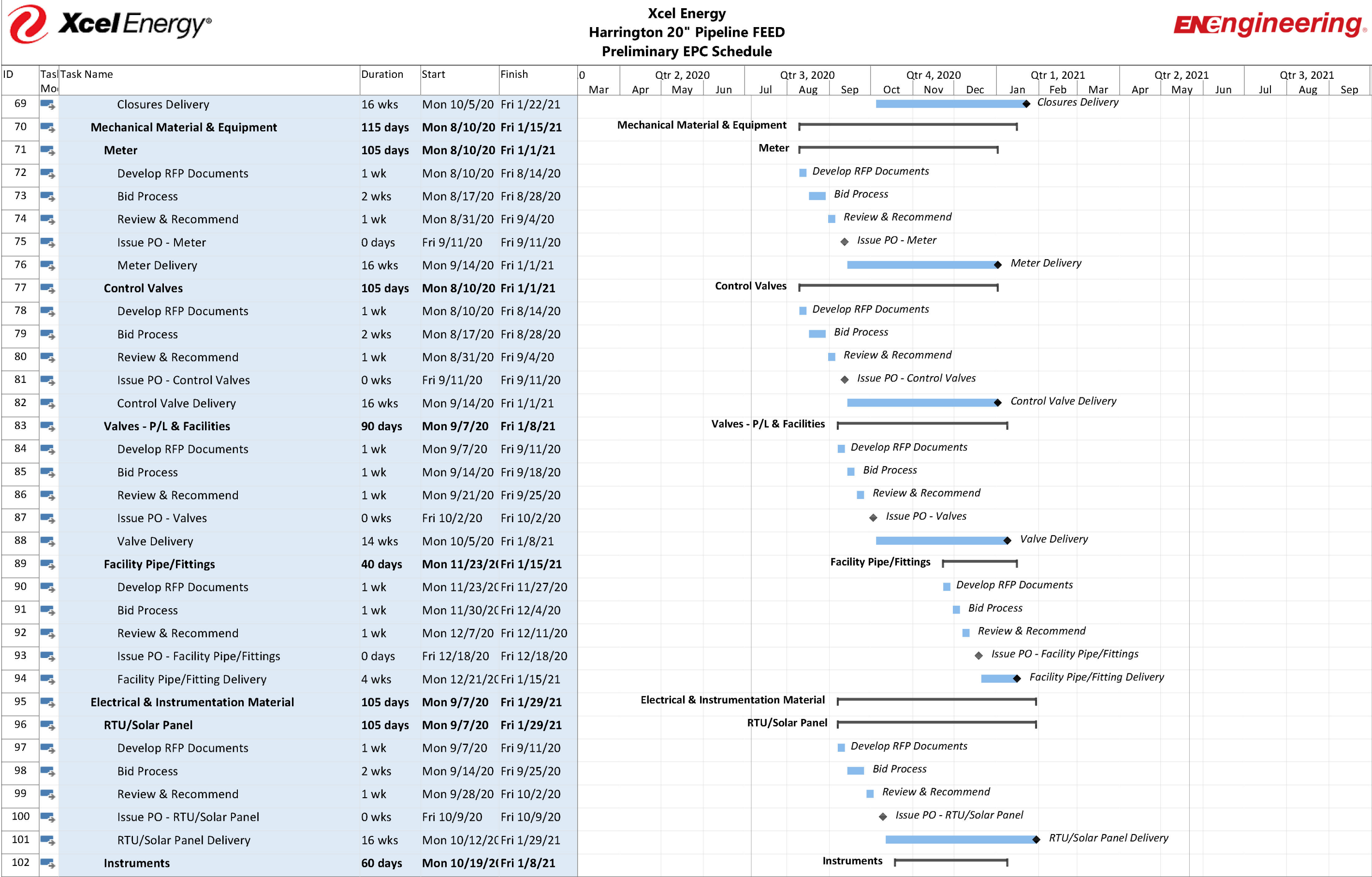
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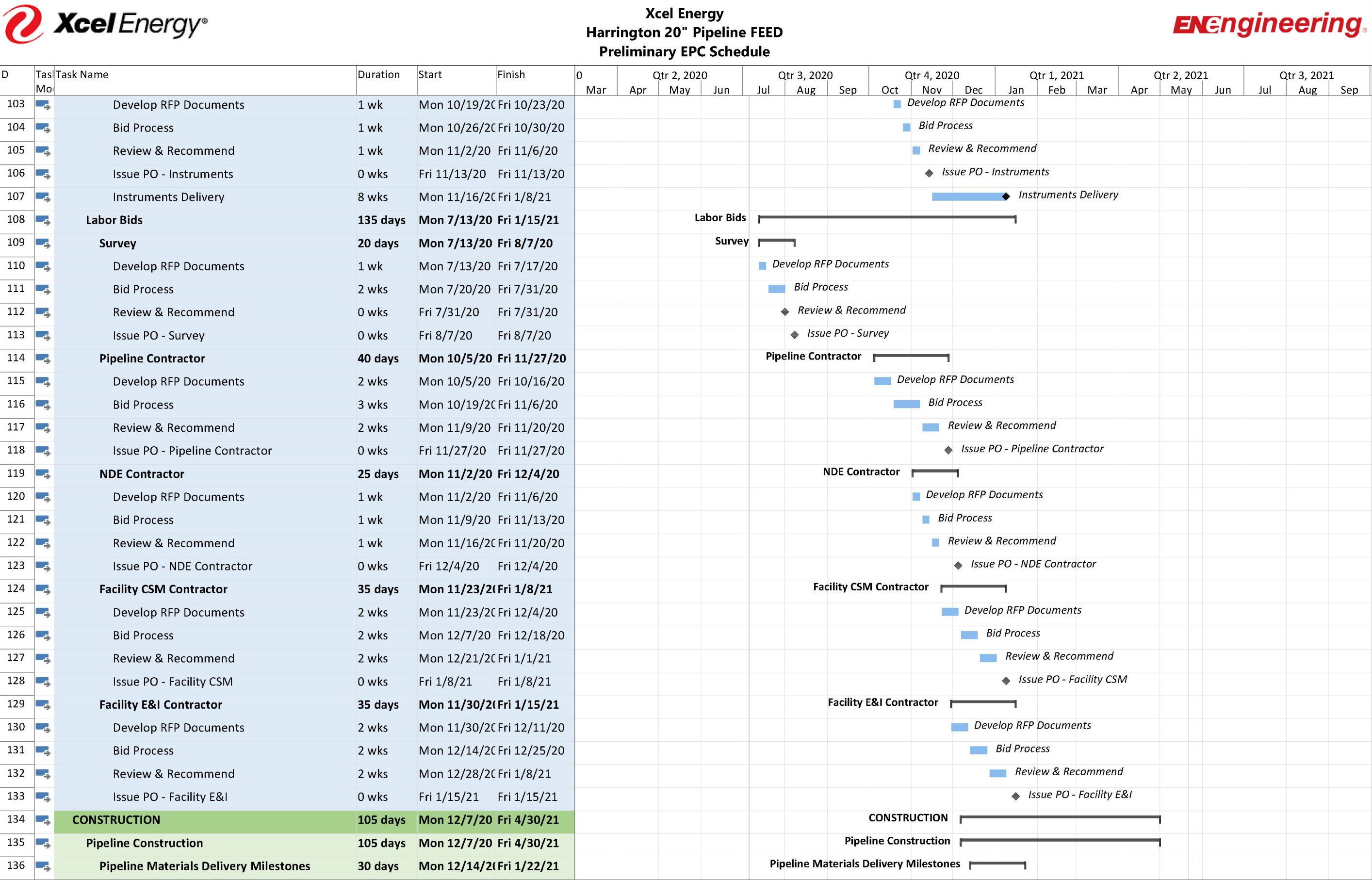
Xcel Energy
Harrington 20" Pipeline FEED
Preliminary EPC Schedule





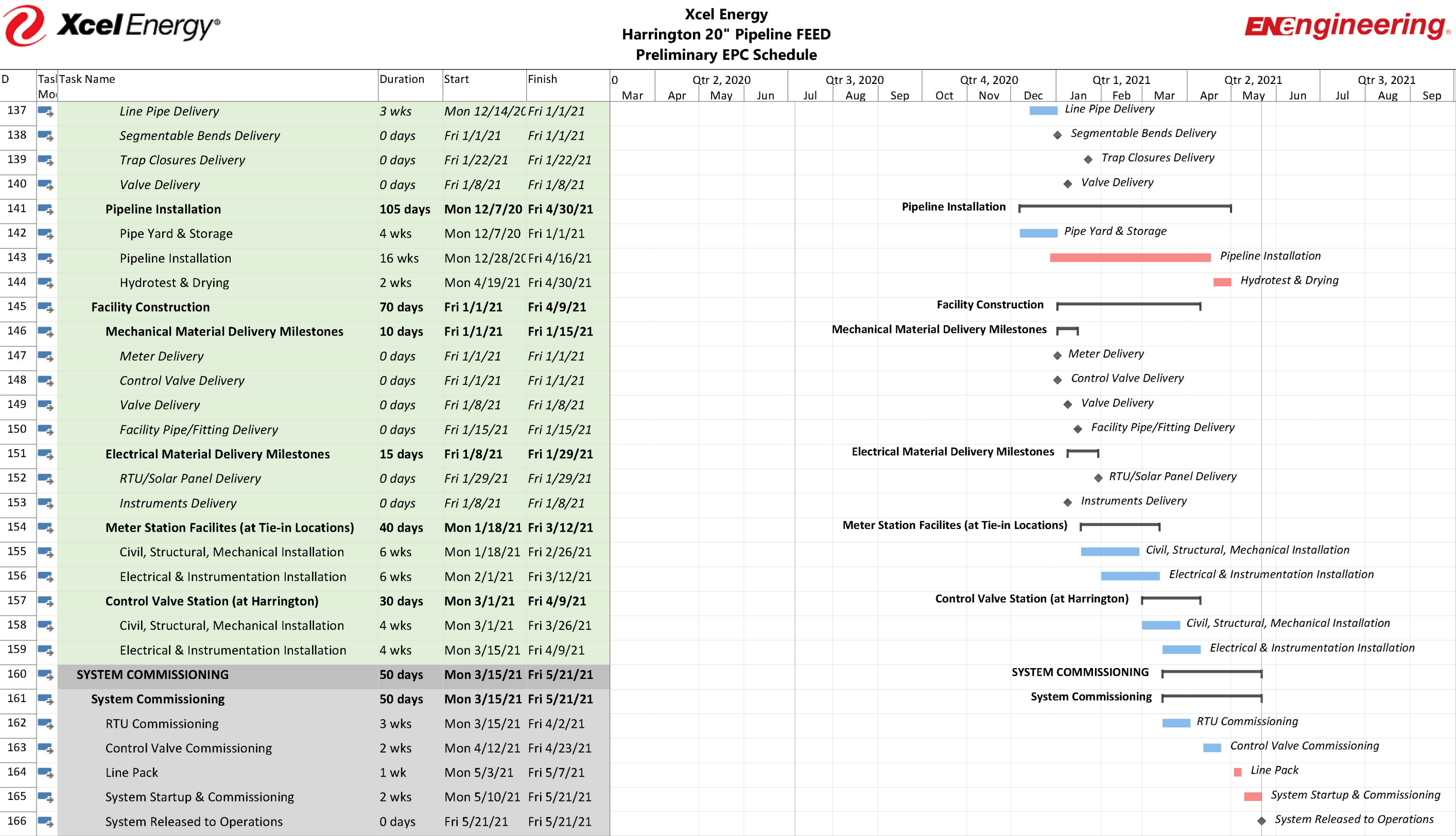
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ATTACHMENT F
Permit Matrix

Harrington Pipeline Feasability Study

Permit Matrix for Xcel 20" Harrington Pipeline

Agency	Requirements	Regulatory Reference	Applicability	Est. Review Time	Contacts	Applicable	Comments
FEDERAL PERMITS							
U.S. Army Corps of Engineers (USACE)	Waters of the US, (including Wetlands)	CWA, Section 401 & 404	Applies to discharge of fill in waters of the US. Nationwide Permit no longer applicable.	3 - 6 months	USACE Tulsa District 2488 East 81st Street Tulsa Oklahoma 74137	No	Installation under streams, wetlands, riverines, etc. are assumed to be via HDD or Bore, removing the need for a Section 401/404 Permit
US DOT - PHMSA (Pipeline and Hazardous Materials Safety Administration)	Operator Registry Notification - Form PHMSA F 1000.2	49CFR, Parts 191 & 195	Operator is required to submit notification of specified events to PHMSA in accordance with §191.22(c) or §195.64(c). Construction notifications are required 60 days prior to the “event.” On September 12, 2014, PHMSA published an Advisory Bulletin describing the activities that constitute the “event” of construction, which determines the due date for the notification.	Due 60 days prior to construction	PHMSA Information Resources Manager https://portal.phmsa.dot.gov/phmsaportallanding	Yes	Completing these registration requirements could take several weeks. Plan to submit in advance of the report due date.
US DOT - PHMSA (Pipeline and Hazardous Materials Safety Administration)	Response Plan	49CFR, Part 194	Applies to an onshore oil pipeline that because of its location, could reasonably be expected to cause substantial harm, or significant and substantial harm to the environment by discharging oil into or on any navigable waters of the US or adjoining shorelines.	Due 60 days prior to operation	U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration Office of Pipeline Safety 1200 New Jersey Avenue SE Washington, DC 20590	Yes	Response plans are to be resubmitted every five years. If a new or different operating condition or information would substantially affect the implementation of a response plan, the operator must immediately modify its response plan to address such a change and, within 30 days of making such a change, submit the change to PHMSA.
United States Environmental Protection Agency (USEPA)	Clean Water Act NPDES Permit	CWA Section 402 NPDES	Applies to a discharge to Surface Waters of the US, including hydrostatic test water discharges. This doesn't not include stormwater, unless it is contact stormwater or otherwise contaminated. Discharge of contact stormwater is prohibited.	4 - 6 Months	EPA Region 6 Main Office 1201 Elm Street, Suite 500 Dallas, Texas 75270	No	Hydrotest test water assumed to be sourced from and discharged back to Harrington Refinery, removing the need for a Section 402 Permit. Applicability and feasiblty to be confirmed in detailed design.
STATE PERMITS							
Texas Railroad Commission (RRC)	Organization Report - Form P-5	16 TAC, Chapter 3	Prior to applying for any permit, applicant must file this form with the RRC. Must include some form of financial assurance: Form P-5PB(2), Letter of Credit (Form P-5LC), or Cash Deposit.		Railroad Commission of Texas Oil & Gas Division Main Office: 1701 North Congress, Austin TX 78701-1402 Mailing address: P. O. Box 12967, Austin TX 78711-2967	Yes	Must Obtain Prior to Submitting an Application For an Environmental Permit or an Operating Permit With the Railroad Commission.
Texas Railroad Commission (RRC)	T-4 Application For Permit To Operate A Pipeline In Texas (Operating Permit)	16 TAC 3.70	Required so the division can have the new pipeline in their system prior to operation.	Min. 2 weeks prior to activating the pipeline	Railroad Commission of Texas Pipeline Safety Division Main Office: 1701 North Congress, Austin TX 78701-1402 Mailing address: P. O. Box 12967, Austin TX 78711-2967	Yes	An entire, clear and detailed plat (USGA 7.5 minute Quad Map - scale 1"=2000') showing the size of the line, or an overview map (24" x 24" / 1" = 20 miles or less) and digital data must accompany the completed application. Requires submittal only - no obligation to wait for a response.
Texas Railroad Commission (RRC)	PS-48 New Construction Report; requires submittal only - no obligation to wait for a response.	16 TAC 8.115, 3.36, 3.106	Required so the division can send an observer during construction.	Min. 30 days prior to start of construction	Railroad Commission of Texas Pipeline Safety Division Main Office: 1701 North Congress, Austin TX 78701-1402 Mailing address: P. O. Box 12967, Austin TX 78711-2967	Yes	Generally, the required form PS-48 pertains to transmission lines, gathering lines inside a (non-rural or) Class 2, 3 or 4 location and certain distribution systems.
Texas Railroad Commission (RRC)	Hydrostatic Test Water Permit (TPDES)	Rule 8(d)(6)(G)	If a discharge will enter surface waters. This does not include non-contact storm water runoff.	15 Days	Railroad Commission of Texas Oil & Gas Division - Environmental Permitting Main Office: 1701 North Congress, Austin TX 78701-1402 Mailing address: P. O. Box 12967, Austin TX 78711-2967	No	Hydrotest test water assumed to be sourced from and discharged back to Harrington Refinery, removing the need for a RRC Permit. Applicability and feasiblty to be confirmed in detailed design.
Texas Railroad Commission (RRC)	Notification of Landfarmed Petroleum and Non-Hazardous Waste (RCRA-exempt and nonexempt nonhazardous oil and gas wastes)	Statewide Rule 8	If during construction, waste is encountered or generated and subsequently landfarmed/landtreated.		Railroad Commission of Texas Oil & Gas Division - Environmental Permitting Main Office: 1701 North Congress, Austin TX 78701-1402 Mailing address: P. O. Box 12967, Austin TX 78711-2967	As Req'd	RRC is interested if non-hazardous waste is landfarmed, not if just hauled off.
Texas Department of Transportation (TxDOT)	Road Crossing Permit for state and federal roads and highways	Form 1082	Applies to any state or federal road crossing.	1-3 weeks	Texas Department of Transportation Amarillo District 5715 Canyon Drive Amarillo, Texas 79110	Yes	All O&G permits must be signed and sealed by a PE. Minimum depth is 5 to 6 feet from ditch grade.
Texas Historical Commission (THC)	National Historic Preservation Act and Antiquities Code of Texas		Review for Cultural Resource Impact	30 days	Texas Historical Commission Main Office: 1511 Colorado Street, Austin TX 78701 Mailing address: P. O. Box 12276, Austin TX 78711	Yes	Required if desktop review and field survey confirm any impacted cultural resources. Covered by USACE 404 Permit as applicable, however USACE reviews in concurrence regardless. Projects involving state or local public land will also require review under the Antiquities Code of Texas.
Texas Parks & Wildlife (TPWD)	Endangered Species Review	Setion 12.0011	Wildlife Habitat Assessment Program	45 Days	Texas Parks & Wildlife Habitat Assessment 4200 Smith School Road Austin, TX 78744 tpwd.texas.gov/huntwild/wild/wildlife_diversity/habitat_assessment/	Yes	Covered by USACE 404 Permit as applicable, however USACE and US Fish and Wildlife review in concurrence regardless
LOCAL PERMITS							
Potter County	Utility Permit Request (for a county road crossing)		Need to complete an application form for each road crossing. Requires submittal and approval prior to initiating work.	TBD	Road & Bridge Department 2419 Willow Creek Amarillo, TX 79107	Yes	To be confirmed if Potter County has permit requirements or if they are deferred to TxDOT

Permit Matrix for Xcel 20" Harrington Pipeline

Agency	Requirements	Regulatory Reference	Applicability	Est. Review Time	Contacts	Applicable	Comments
OTHER							
Union Pacific Railroad	Railroad Crossing Permit		Required for rail crossing east of HWY 87	45-60 days minimum	up.com/real_estate/utilities/pipeline/pipeline_procedure/index.htm	Yes	May require additional permits and forms with Union Pacific and/or other regulatory agencies
U.S. Army Corps of Engineers (USACE)	Culturaland Historic Review	401 & 404 Supplementary	Required for Federal 401 & 404 Permit	3 - 6 months		No	USACE coordinates project with SHPO
Native American Tribal Lands	Comments fielded by USACE	401 & 404 Supplementary	Required for Federal 401 & 404 Permit	3 - 6 months		No	USACE coordinates project with Native tribes
US Fish & Wildlife Service (USF&W)	Endangered Species	401 & 404 Supplementary	Required for Federal 401 & 404 Permit	3 - 6 months		No	USACE coordinates project with FWS.
United States Environmental Protection Agency (USEPA)	Water Quality Certification - no action required by operator.	CWA, Section 401	Needed if a permit will be issued by a federal agency for potential discharge into surface waters of US from a point source.		EPA Region 6 Main Office 1201 Elm Street, Suite 500 Dallas, Texas 75270	No	Certification is required from the state in which the discharge would originate.
United States Environmental Protection Agency (USEPA)	Stormwater Permitting (non-contact)	CWA Section 402(l)(2)	No permit needed unless discharge contains reportable quantity or violates water quality standards of receiving water body. Follow Best Management Practices.		EPA Region 6 Main Office 1201 Elm Street, Suite 500 Dallas, Texas 75270	No	Contact storm water is considered oil and gas waste and discharge is prohibited.
Texas Railroad Commission (RRC)	Water Quality Certification (WQC) - no action is required by the operator.	CWA, Section 401	CWA compliance; required for larger projects; waived for smaller projects.	Certification is issued within 15 days of the close of public comment	Railroad Commission of Texas Oil & Gas Division - Environmental Permitting Main Office: 1701 North Congress, Austin TX 78701-1402 Mailing address: P. O. Box 12967, Austin TX 78711-2967	No	The RRC comments to the USACE through the public notice process. As the agency with jurisdiction, the Commission normally issues the WQC when required.
Texas Railroad Commission (RRC)	NPDES	CWA, Section 402	Stormwater runoff into waters of the US.		Railroad Commission of Texas Oil & Gas Division - Environmental Permitting Main Office: 1701 North Congress, Austin TX 78701-1402 Mailing address: P. O. Box 12967, Austin TX 78711-2967	No	No permit is required for non-contact stormwater.

ATTACHMENT G

EPA Envirofact Point Locations



Related Topics: Envirofacts

FRS

FRS Facility Detail Report

CLIFFSIDE GAS FIELD

EPA Registry Id: 110034702132
13301 BRICKPLANT RD
AMARILLO, TX 791243015

Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

[Report an Error](#)

Environmental Interests

Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
ELECTRONIC GREENHOUSE GAS REPORTING TOOL (E-GGRT)	CLIFFSIDE CRUDE HELIUM ENRICHMENT UNIT	1010750	GREENHOUSE GAS REPORTER	E-GGRT		
RISK MANAGEMENT PLAN	CLIFFSIDE HELIUM ENRICHMENT UNIT	100000185453	RMP REPORTER	RMP	05/11/2017	
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY - AGENCY CENTRAL REGISTRY	CLIFFSIDE GAS FIELD	RN102614435	STATE MASTER	TX-TCEQ ACR		REGISTRATION-45144 AIR PROGRAM REGISTRATION-16178 UNDERGROUND STORAGE TANK PROGRAM ACCOUNT NUMBER-PG0195M AIR PROGRAM PERMIT-45144 AIR PROGRAM
ICIS-AIR (AIR)	CLIFFSIDE GAS FIELD	0600000483756E004	AIR EMISSIONS CLASSIFICATION UNKNOWN	AIR	10/19/2016	
INTEGRATED COMPLIANCE INFORMATION SYSTEM	CLIFFSIDE GAS FIELD AND CRUDE HELIUM ENRICHMENT UNIT	1400003019	ENFORCEMENT/COMPLIANCE ACTIVITY	ICIS	09/15/2008	ICIS-06-2008-3615 FORMAL ENFORCEMENT ACTION
INTEGRATED COMPLIANCE INFORMATION SYSTEM	CLIFFSIDE GAS FIELD AND CRUDE HELIUM ENRICHMENT UNIT	1400003019	FORMAL ENFORCEMENT ACTION	ICIS	12/09/2008	ICIS-06-2008-3615 FORMAL ENFORCEMENT ACTION
Additional EPA Reports: MyEnvironment Enforcement and Compliance Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report						

Standard Industrial Classification Codes (SIC)					National Industry Classification System Codes (NAICS)					
Data Source	SIC Code	Description	Primary		Data Source	NAICS Code	Description	Primary		
TX-TCEQ ACR	1311	CRUDE PETROLEUM AND NATURAL GAS			ICIS	211112	NATURAL GAS LIQUID EXTRACTION,			
Facility Codes and Flags					RMP	211112	NATURAL GAS LIQUID EXTRACTION,			
EPA Region:	06				E-GGRT	325120	INDUSTRIAL GAS MANUFACTURING,			
Duns Number:					RMP	32512	INDUSTRIAL GAS MANUFACTURING			
Congressional District Number:	13				Facility Mailing Addresses					
Legislative District Number:										
HUC Code/Watershed:	11090105 / LAKE MEREDITH									
US Mexico Border Indicator:	NO									
Federal Facility:										
Tribal Land:	NO									
Alternative Names					Facility Mailing Addresses					
					Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
					MAILING ADDRESS	13301 BRICKPLANT RD	AMARILLO TX		791243015	TX-TCEQ ACR
					OWNER/OPERATOR	BUREAU OF LAND MANAGEMENT	AMARILLO TX		791063545	RMP
					OWNER/OPERATOR MAILING ADDRESS	BUREAU OF LAND MANAGEMENT	AMARILLO TX		791063545	RMP
					OWNER	801 S FILLMORE ST STE 500	AMARILLO TX		79101-3514	TX-TCEQ ACR
					OWNER/OPERATOR	AMARILLO FIELD OFFICE - HELIUM OPS	AMARILLO TX		791013545	RMP

Query executed on: APR-14-2020

Last updated on September 24, 2015



Related Topics: Envirofacts

FRS

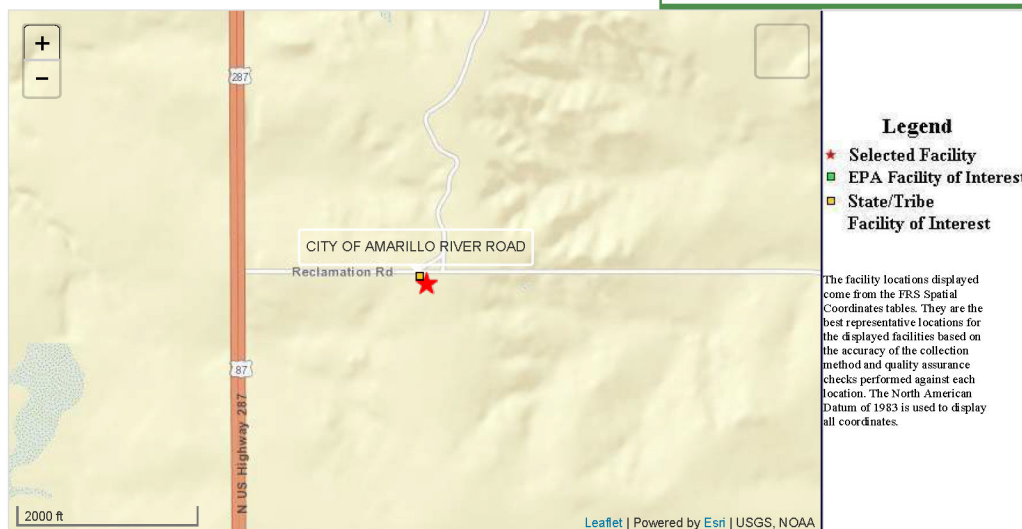
FRS Facility Detail Report

CITY OF AMARILLO RIVER ROAD

EPA Registry Id: 110042365650
12600 RECLAMATION PLANT RD
AMARILLO, TX 79108

Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

[Report an Error](#)

Environmental Interests

Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	CITY OF AMARILLO RIVER ROAD	TXR05M353	ICIS-NPDES NON-MAJOR	ICIS	08/29/2017	ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	CITY OF AMARILLO RIVER ROAD	TXR05M353	STORM WATER INDUSTRIAL	ICIS	08/29/2017	ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
Additional EPA Reports: MyEnvironment Enforcement and Compliance Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report						

Standard Industrial Classification Codes (SIC)			
No SIC Codes returned.			
Facility Codes and Flags			
EPA Region:	06	National Industry Classification System Codes (NAICS)	
Duns Number:		No NAICS Codes returned.	
Congressional District Number:	13	Facility Mailing Addresses	
Legislative District Number:		No Facility Mailing Addresses returned.	
HUC Code/Watershed:	11090105 / LAKE MEREDITH	Contacts	
US Mexico Border Indicator:	NO	No Contacts returned.	
Federal Facility:		Alternative Names	
Tribal Land:		Source of Data	
		ICIS	
Organizations			
No Organizations returned.			

Query executed on: APR-14-2020

Last updated on September 24, 2015



Related Topics: Envirofacts

FRS

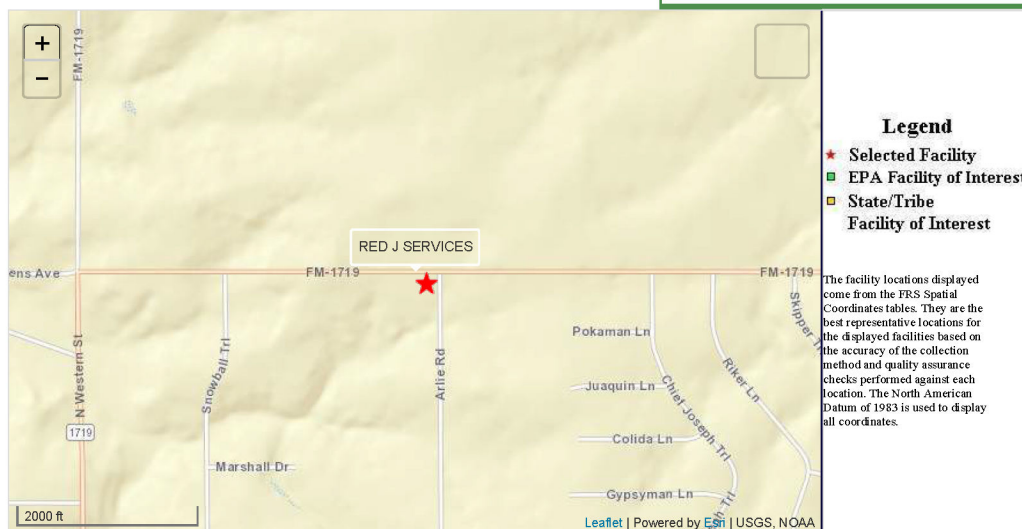
FRS Facility Detail Report

RED J SERVICES

EPA Registry Id: 110064671840
3101 GIVENS AVE
AMARILLO, TX 79108

Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

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Environmental Interests

Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	RED J SERVICES	TXR000081692	TRANSPORTER (Y)	RCRAINFO	08/03/2015	
Additional EPA Reports: MyEnvironment Enforcement and Compliance Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report						

Standard Industrial Classification Codes (SIC)				
No SIC Codes returned.				
Facility Codes and Flags				
EPA Region:	06	National Industry Classification System Codes (NAICS)		
Duns Number:		No NAICS Codes returned.		
Congressional District Number:	13	Facility Mailing Addresses		
Legislative District Number:		No Facility Mailing Addresses returned.		
HUC Code/Watershed:	11090105 / LAKE MEREDITH	Contacts		
US Mexico Border Indicator:	NO	Affiliation Type	Full Name	Office Phone
Federal Facility:	NO	REGULATORY CONTACT	CASEY FISH	806-3831133
Tribal Land:	NO	Information System	RCRAINFO	Mailing Address
Alternative Names				
No Alternative Names returned.				
Organizations				
Affiliation Type	Name	DUNS Number	Information System	Mailing Address
OWNER	RED J SERVICES LLC		RCRAINFO	
OPERATOR	RED J SERVICES LLC		RCRAINFO	

Query executed on: APR-14-2020

Last updated on September 24, 2015



Related Topics: Envirofacts

FRS

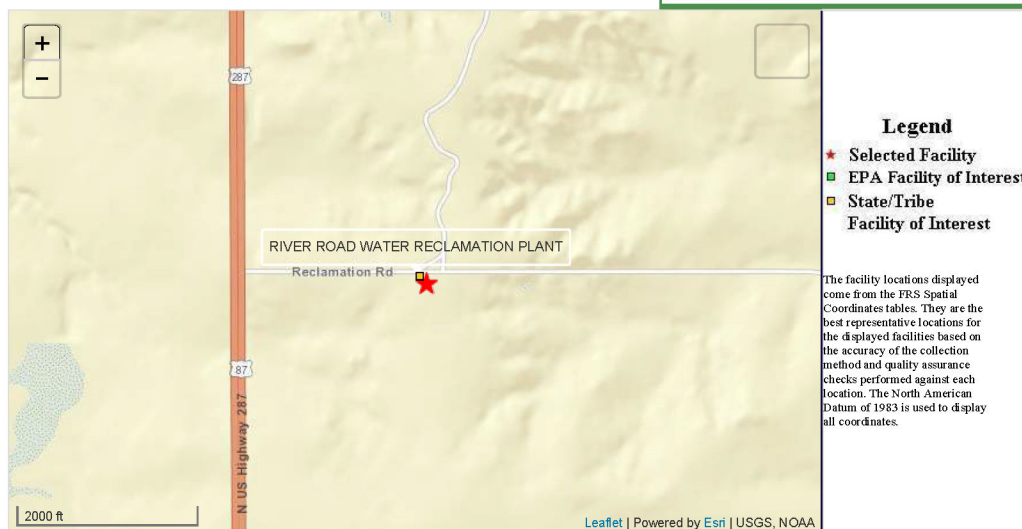
FRS Facility Detail Report

RIVER ROAD WATER RECLAMATION PLANT

EPA Registry Id: 110000711560
12600 RECLAMATION ROAD
AMARILLO, TX 79108

Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

[Report an Error](#)

Environmental Interests

Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests
AIR FACILITY SYSTEM	RIVER ROAD WATER RECLAMATION PLANT	4837500059	AIR MINOR (OPERATING)	AIRS/AFS	09/19/2011	
ICIS-AIR (AIR)	RIVER ROAD WATER RECLAMATION PLANT	TX0000004837500059	AIR MAJOR	ICIS	02/21/2019	
RISK MANAGEMENT PLAN	RIVER ROAD WATER RECLAMATION PLANT	100000055799	RMP REPORTER	RMP	06/16/2014	PERMIT-TX005M353 NPDES STORMWATER PERMIT ACCOUNT NUMBER-PG0176Q AIR PROGRAM PERMIT-TX0025801 NPDES PERMIT PERMIT-39845 AIR PROGRAM PERMIT-TPDES0025801 NPDES PERMIT EPA ID-TX0025801000 NPDES PRETREATMENT PROGRAM PERMIT-44227 AIR PROGRAM ACCOUNT NUMBER-PG0176Q AIR EMISSION INVENTORY EPA ID-TX0025801 NPDES PERMIT EPA ID-TX1039201 NPDES PERMIT REGISTRATION-44227 AIR PROGRAM AFS NUM-4837500059 AIR PROGRAM REGISTRATION-39845 AIR PROGRAM PERMIT-TPDES1039201 NPDES PERMIT PERMIT-WQ0010392001 NPDES PRETREATMENT PROGRAM PERMIT-WQ0010392001 NPDES PERMIT
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY - AGENCY CENTRAL REGISTRY	RIVER ROAD WATER RECLAMATION PLANT	RN100221571	STATE MASTER	TX-TCEQ ACR		PERMIT-44227 AIR PROGRAM ACCOUNT NUMBER-PG0176Q AIR EMISSION INVENTORY EPA ID-TX0025801 NPDES PERMIT EPA ID-TX1039201 NPDES PERMIT REGISTRATION-44227 AIR PROGRAM AFS NUM-4837500059 AIR PROGRAM REGISTRATION-39845 AIR PROGRAM PERMIT-TPDES1039201 NPDES PERMIT PERMIT-WQ0010392001 NPDES PRETREATMENT PROGRAM PERMIT-WQ0010392001 NPDES PERMIT

Additional EPA Reports: MyEnvironment Enforcement and Compliance Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report

Standard Industrial Classification Codes (SIC)

Data Source	SIC Code	Description
AIR	4952	SEWERAGE SYSTEMS
TX-TCEQ ACR	4952	SEWERAGE SYSTEMS
AIRS/AFS	4952	SEWERAGE SYSTEMS

Facility Codes and Flags

EPA Region:	06
Duns Number:	
Congressional District Number:	13
Legislative District Number:	
HUC Code/Watershed:	11090105 / LAKE MEREDITH
US Mexico Border Indicator:	NO
Federal Facility:	NO
Tribal Land:	NO

Alternative Names

Alternative Name	Source of Data
RIVER ROAD WATER RECLAMATION PLANT	FRS
RIVER ROAD WWTF	NPDES

Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address
OWNER/OPERATOR	UTILITIES DIVISION		RMP	
OWNER/OPERATOR	CITY OF AMARILLO		TX-TCEQ ACR	View
PARENT COMPANY	CITY OF AMARILLO		RMP	
OWNER/OPERATOR	CITY OF AMARILLO		RMP	View

National Industry Classification System Codes (NAICS)

Data Source	NAICS Code	Description	Primary
AIR	221320	SEWAGE TREATMENT FACILITIES	
TX-TCEQ ACR	221320	SEWAGE TREATMENT FACILITIES	
RMP	22132	SEWAGE TREATMENT FACILITIES	

Facility Mailing Addresses

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
OWNER/OPERATOR	1935 WILLOW LN	EAST TEXAS	PA	18046	TX-TCEQ ACR
MAILING ADDRESS	12600 RECLAMATION PLANT RD	AMARILLO	TX	79108	TX-TCEQ ACR
OWNER/OPERATOR	PO BOX 1971	AMARILLO	TX	79105-1971	RMP
OWNER/OPERATOR	PO BOX 1971	AMARILLO	TX	79105-1971	TX-TCEQ ACR

Contacts

Affiliation Type	Full Name	Office Phone	Information System	Mailing Address
UNKNOWN CONTACT	DUANE L. WARREN	8063783008	AIRS/AFS	
COMPLIANCE CONTACT	DUANE L. WARREN	8063783008	AIRS/AFS	
OWNER/OPERATOR	CRYSTAL E. KOCK	6103958502	TX-TCEQ ACR	View
RESPONSIBLE PARTY	TIMOTHY J. LOAN	8063783000	RMP	
COMPLIANCE CONTACT	DUANE L. WARREN	8063783008	AIR	
UNKNOWN CONTACT	DUANE L. WARREN	8063783008	AIR	

Query executed on: APR-14-2020

Last updated on September 24, 2015



Related Topics: Envirofacts

FRS

FRS Facility Detail Report

RIVER ROAD WWTF

EPA Registry Id: 110039858017
1.5 MI EAST OF USHWY 87
AMARILLO, TX 79105

Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

[Report an Error](#)

Environmental Interests

Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	RIVER ROAD WWTF	TX0025801	NPDES PRETREATMENT PROGRAM	ICIS		ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	RIVER ROAD WWTF	TX0025801	POTW	ICIS		ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	RIVER ROAD WWTF	TX0025801	ICIS-NPDES MAJOR	ICIS		ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
Additional EPA Reports: MyEnvironment Enforcement and Compliance Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report						

Standard Industrial Classification Codes (SIC)									
Data Source	SIC Code	Description	Primary						
NPDES	4952	SEWERAGE SYSTEMS	National Industry Classification System Codes (NAICS)						
Facility Codes and Flags			No NAICS Codes returned.						
EPA Region:	06	Facility Mailing Addresses							
Duns Number:	13								
Congressional District Number:	13								
Legislative District Number:									
HUC Code/Watershed:	11090105 / LAKE MEREDITH	Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System		
US Mexico Border Indicator:	NO	COGNIZANT OFFICIAL	PO BOX 1971	AMARILLOTX	79105-1971	NPDES			
Federal Facility:	NO	MAILING ADDRESS	PO BOX 1971	AMARILLOTX	79105-1971	NPDES			
Tribal Land:	NO	OWNER	PO BOX 1971	AMARILLOTX	79105-1971	NPDES			
Alternative Names		MAILING ADDRESS	C/O WASTEWATER TREATMENT SUPER	AMARILLOTX	791051971	NPDES			
Alternative Name	Source of Data		Contacts						
RIVER ROAD WWTP	CWNS								
Organizations			Affiliation Type	Full Name	Office Phone	Information System	Mailing Address		
			COGNIZANT OFFICIAL	PAUL HARPOLE	8063783008	NPDES	View		
			COGNIZANT OFFICIAL	DEBRA MCCARTT	8063783010	NPDES	View		
Affiliation Type	Name	DUNS Number	Information System	Mailing Address					
OWNER	CITY OF AMARILLO	NPDES	View						
MAILING ADDRESS	CITY OF AMARILLO	NPDES	View						

Query executed on: APR-14-2020

Last updated on September 24, 2015



Related Topics: Envirofacts

FRS

FRS Facility Detail Report

AMARILLO CATTLE FEEDERS

EPA Registry Id: 110039197017
MI E OF ITS INTERSCT W/ TX HWY
AMARILLO, TX 00000

Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

[Report an Error](#)

Environmental Interests

Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	AMARILLO CATTLE FEEDERS	TX0130290	ICIS-NPDES NON-MAJOR	ICIS	09/03/2003	ICIS-ENFORCEMENT/COMPLIANCE ACTIVITY
Additional EPA Reports: MyEnvironment Enforcement and Compliance Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report						

Standard Industrial Classification Codes (SIC)								
Data Source	SIC Code	Description	Primary					
NPDES	0211	BEEF CATTLE FEEDLOTS						
Facility Codes and Flags								
EPA Region:	06		National Industry Classification System Codes (NAICS)					
Duns Number:								
Congressional District Number:	13		No NAICS Codes returned.					
Legislative District Number:								
HUC Code Watershed:	11120301 / UPPER NORTH FORK RED							
US Mexico Border Indicator:	NO							
Federal Facility:								
Tribal Land:								
Alternative Names			Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
			MAILING ADDRESS	COMSTOCK CATTLE CORP	AMARILLO	TX	791293352	NPDES
			OWNER	PO BOX 33352	AMARILLO	TX	79129	NPDES
			OPERATOR	PO BOX 33352	AMARILLO	TX	79129	NPDES
Alternative Name			Contacts					
ON S SIDE OF FM 1912 APPROX 1			No Contacts returned.					
Organizations								
Affiliation Type	Name	DUNS Number	Information System	Mailing Address				
OPERATOR	COMSTOCK CATTLE CORP		NPDES	View				
MAILING ADDRESS	CODY RAY ELLIOTT/SHARON JONES		NPDES	View				
OWNER	ELLIOTT, CODY RAY AND JONES, S		NPDES	View				

Query executed on: APR-14-2020

Last updated on September 24, 2015



Related Topics: Envirofacts

FRS

FRS Facility Detail Report

AMARILLO FUELING FACILITY

EPA Registry Id: 110070375619
7201 N LAKESIDE DR
AMARILLO, TX 79108-5713

Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

[Report an Error](#)

Environmental Interests

Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	AMARILLO FUELING FACILITY	TXR05V301	STORM WATER INDUSTRIAL	ICIS	07/10/2017	ICIS-ENFORCEMENT/COMPLIANCE ACTIVITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	AMARILLO FUELING FACILITY	TXR05V301	ICIS-NPDES NON-MAJOR	ICIS	07/10/2017	ICIS-ENFORCEMENT/COMPLIANCE ACTIVITY
Additional EPA Reports: MyEnvironment Enforcement and Compliance Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report						

Standard Industrial Classification Codes (SIC)		
No SIC Codes returned.		
Facility Codes and Flags		
EPA Region:	06	National Industry Classification System Codes (NAICS)
Duns Number:		
Congressional District Number:	13	No NAICS Codes returned.
Legislative District Number:		Facility Mailing Addresses
HUC Code/Watershed:	11090105 / LAKE MEREDITH	
US Mexico Border Indicator:	NO	No Facility Mailing Addresses returned.
Federal Facility:		Contacts
Tribal Land:		
Alternative Names		
No Alternative Names returned.		
Organizations		
No Organizations returned.		

Query executed on: APR-14-2020

Last updated on September 24, 2015



Related Topics: Envirofacts

FRS

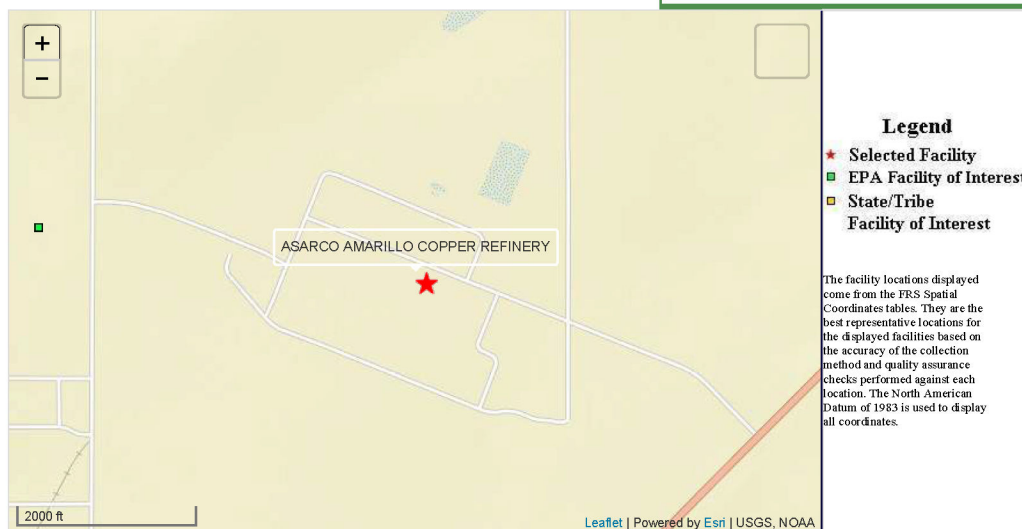
FRS Facility Detail Report

ASARCO AMARILLO COPPER REFINERY

EPA Registry Id: 110000743955
7901 NORTH HIGHWAY 136
AMARILLO, TX 791080200

Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

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Environmental Interests

Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interest
TOXIC SUBSTANCES CONTROL ACT	ASARCO LLC AMARILLO COPPER REFINERY	100604711	TSCA SUBMITTER	TSCA	08/01/2016	
INTEGRATED COMPLIANCE INFORMATION SYSTEM	ASARCO INCORPORATED AMARILLO COPPER REFINERY	34597	ENFORCEMENT/COMPLIANCE ACTIVITY	ICIS	07/06/2005	ICIS-06-1999-0400 FORMAL ENFORCEMENT ACTION ICIS-06-1997-0338 FORMAL ENFORCEMENT ACTION ICIS-06-1998-0955 FORMAL ENFORCEMENT ACTION
RACT/BACT/LAER CLEARINGHOUSE	AMARILLO COPPER REFINERY	25568	AIR MAJOR	RBLC		
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	ASARCO LLC	TX0118460	ICIS-NPDES NON-MAJOR	ICIS		ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
TOXIC SUBSTANCES CONTROL ACT	ASARCO LLC AMARILLO COPPER REFINERY	TSCA5922	TSCA SUBMITTER	TSCA		
ELECTRONIC GREENHOUSE GAS REPORTING TOOL (E-GGRT)	ASARCO LLC AMARILLO COPPER REFINERY	1002494	GREENHOUSE GAS REPORTER	E-GGRT	11/05/2016	
AIR FACILITY SYSTEM	AMARILLO COPPER REFINERY	4837500020	AIR MAJOR (OPERATING)	AIRS/AFS	05/12/2014	ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
EMISSION INVENTORY SYSTEM (EIS)	AMARILLO COPPER REFINERY	5778711	HAZARDOUS AIR POLLUTANT MAJOR	EIS	12/06/2019	
INTEGRATED COMPLIANCE INFORMATION SYSTEM	ASARCO INCORPORATED AMARILLO COPPER REFINERY	34597	FORMAL ENFORCEMENT ACTION	ICIS	07/14/2000	ICIS-06-1999-0400 FORMAL ENFORCEMENT ACTION ICIS-06-1997-0338 FORMAL ENFORCEMENT ACTION ICIS-06-1998-0955 FORMAL ENFORCEMENT ACTION
ICIS-AIR (AIR)	AMARILLO COPPER REFINERY	TX0000004837500020	AIR MAJOR	ICIS	09/12/2015	
RISK MANAGEMENT PLAN	ASARCO LLC / AMARILLO COPPER REFINERY	100000037293	RMP REPORTER	RMP	06/13/2019	
TOXICS RELEASE INVENTORY SYSTEM	ASARCO LLC AMARILLO COPPER REFINERY	79120SRCNCHWY13	TRI REPORTER	TRIS	06/22/2018	PERMIT-598 AIR PROGRAM SOLID WASTE REGISTRA-30089 HAZARDOUS WASTE PROGRAM PERMIT-TX0118460 NPDES PERMIT PERMIT-15012 AIR PROGRAM REGISTRATION-82699 AIR PROGRAM ACCOUNT NUMBER-PG0005V AIR PROGRAM EPA ID-PSDTX847 AIR PROGRAM SOLID WASTE REGISTRA-30089 CORRECTIVE ACTION EPA ID-TXD087491973 HAZARDOUS WASTE PROGRAM PERMIT-2079 AIR PROGRAM ACCOUNT NUMBER-PG0005V AIR EMISSION INVENTORY AFS NUM-4837500020 AIR PROGRAM PERMIT-1304 AIR PROGRAM PERMIT-594 AIR PROGRAM PERMIT-TPDES0118460 NPDES PERMIT ACCOUNT NUMBER-PG0005V AIR PROGRAM PERMIT-3234 AIR PROGRAM PERMIT-46612 AIR PROGRAM PERMIT-WDW273 UIC REGISTRATION-85278 AIR PROGRAM SOLID WASTE REGISTRA-52033 CORRECTIVE ACTION PERMIT-596 AIR PROGRAM PERMIT-597 AIR PROGRAM PERMIT-WDW324 UIC PERMIT-WQ0001978000 NPDES PERMIT REGISTRATION-15012 AIR PROGRAM REGISTRATION-46612 AIR PROGRAM PERMIT-11288 AIR PROGRAM PERMIT-591 AIR PROGRAM PERMIT-599 AIR PROGRAM PERMIT-595 AIR PROGRAM PERMIT-WQ0000313000 NPDES PERMIT REGISTRATION-21746 UNDERGROUND STORAGE TANK PROGRAM PERMIT-592 AIR PROGRAM PERMIT-600 AIR PROGRAM PERMIT-WDW129 UIC PERMIT-593 AIR PROGRAM
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY - AGENCY CENTRAL REGISTRY	AMARILLO COPPER REFINERY	RN101701654	STATE MASTER	TX-TCEQ ACR		

Harrington Pipeline Feasibility Study

Docket No. 52485

FRS Facility Detail Report | Envirofacts | US EPA

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COMPLIANCE AND EMISSIONS DATA REPORTING INTERFACE	ASARCO AMARILLO COPPER REFINERY	CEDRI90661	COMPLIANCE AND EMISSIONS REPORTING	CEDRI	01/07/2016
NATIONAL COMPLIANCE DATABASE	ASARCO INC	D06#VI-614C	COMPLIANCE ACTIVITY	NCDB	
NATIONAL COMPLIANCE DATABASE	ASARCO INC	I06#I9920623TX002.1	COMPLIANCE ACTIVITY	NCDB	
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	ASARCO AMARILLO COPPER REFINERY	TXD087491973	LQG (Y)	RCRAINFO	12/12/2019


Additional EPA Reports: MyEnvironment Enforcement and Compliance Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report

National Industry Classification System Codes (NAICS)					
	Data Source	NAICS Code	Description		Primary
Standard Industrial Classification Codes (SIC)	RMP	33141	NONFERROUS METAL (EXCEPT ALUMINUM) SMELTING AND REFINING		
	RMP	33141	PRIMARY SMELTING AND REFINING OF COPPER.		
	E-GGRT	331410			
	AIRS/AFS	331411	PRIMARY SMELTING AND REFINING OF COPPER.		
	TX-TCEQ	331411	PRIMARY SMELTING AND REFINING OF COPPER.		
	ACR	331411			
	AIR	331411	PRIMARY SMELTING AND REFINING OF COPPER.		
	TRIS	331410			
	EIS	331410			
	TRIS	331420			
Facility Mailing Addresses					
	Affiliation Type	Delivery Point	City Name	State	Postal Code Information System
Facility Codes and Flags	OWNER	PO BOX 30200	AMARILLO	TX	79120-0200 TX-TCEQ ACR
	PUBLIC CONTACT	PO BOX 30200	AMARILLO	TX	79120-0200 RBLC
	PARENT COMPANY	1440 EAST MISSOURI	PHOENIX	AZ	85014 TSCA
	MAILING ADDRESS	AMARILLO COPPER REFINERY	AMARILLO	TX	791200200 NPDES
	OWNER	PO BOX 30200	AMARILLO	TX	79120-0200 NPDES
	REGULATORY CONTACT	PO BOX 30200	AMARILLO	TX	791200200 RCRAINFO
	COGNIZANT OFFICIAL	5285 E WILLIAMS CIRCLE STE 2000	TUCSON	AZ	85711 NPDES
	OWNER/OPERATOR	PO BOX 30200	AMARILLO	TX	791200200 RMP
	MAILING ADDRESS	PO BOX 30200	AMARILLO	TX	79120-0200 CEDRI
	FACILITY MAILING ADDRESS	8 MI. N.E. OF AMARILLO, TX., O	AMARILLO	TX	79108 AIR
	MAILING ADDRESS	P.O. BOX 30200	AMARILLO	TX	79120 TRIS
	OWNER/OPERATOR	PO BOX 30200	AMARILLO	TX	79120-0200 TX-TCEQ ACR
	OWNER/OPERATOR	PO BOX 30200	AMARILLO	TX	79120-0200 RMP
	OPERATOR	PO BOX 30200	AMARILLO	TX	791200200 RCRAINFO
	MAILING ADDRESS	5285 E WILLIAMS CIRCLE STE 2000	TUCSON	AZ	85711 NPDES
	MAILING ADDRESS	7901 N STATE HIGHWAY 136	AMARILLO	TX	79108 TX-TCEQ ACR
	FACILITY MAILING ADDRESS	PO BOX 30200	AMARILLO	TX	79120-0200 RCRAINFO
	OWNER	PO BOX 30200	AMARILLO	TX	791200200 RCRAINFO
	FACILITY MAILING ADDRESS	8 MI. N.E. OF AMARILLO, TX., O	AMARILLO	TX	79108 AIRS/AFS
Alternative Names					
Alternative Name		Source of Data			
AMARILLO COPPER REFINERY		TX-TCEQ ACR			
COPPER REFINERY		EIS			
ASARCO, INCORPORATED		NPDES PERMIT			
ASARCO LLC AMARILLO COPPER REFINERY		E-GGRT			
AMARILLO COPPER REFINERY		RBLC			
ASARCO COPPER REFINERY		FRS			
Organizations					
Affiliation Type	Name	DUNS Number	Information System	Mailing Address	
OWNER	ASARCO INCORPORATED		TX-TCEQ ACR	View	
PARENT COMPANY	ASARCO LLC		EIS		
OWNER	ASARCO LLC		RCRAINFO	View	
OWNER/OPERATOR	ASARCO LLC		RMP	View	
PARENT COMPANY	AMERICAS MINING CORP	037766875	TSCA	View	
PARENT COMPANY	AMERICAS MINING CORP	037766875	TRIS		
MAILING ADDRESS	THOMAS ALDRICH		NPDES	View	
PARENT COMPANY	ASARCO, LLC		EIS		
OWNER	ASARCO LLC		NPDES	View	
OPERATOR	ASARCO LLC		RCRAINFO	View	
MAILING ADDRESS	ASARCO LLC		NPDES	View	
OWNER/OPERATOR	ASARCO INCORPORATED		TX-TCEQ ACR	View	
PARENT COMPANY	AMERICAS MINING CORPORATION		E-GGRT		
PARENT COMPANY	AMERICAS MINING CORP		E-GGRT		
Contacts					
Affiliation Type	Full Name	Office Phone	Information System	Mailing Address	
EMERGENCY CONTACT	ALONZO RAMOS	8064684251	RMP		
TECHNICAL CONTACT	ALONZO RAMOS	8064684251	TRIS		
REGULATORY CONTACT	ALONZO RAMOS	8064684251	RCRAINFO	View	
UNKNOWN CONTACT	PATRICK J. DONOVAN	8063813281	AIR		
RESPONSIBLE PARTY	JARROD DUNAVIN	8064684000	RMP		
COGNIZANT OFFICIAL	JERROD DUNAVIN	8064684034	NPDES		
COMPLIANCE CONTACT	PATRICK J. DONOVAN	8063813281	AIRS/AFS		
COGNIZANT OFFICIAL	THOMAS ALDRICH	5207987749	NPDES	View	
UNKNOWN CONTACT	PATRICK J. DONOVAN	8063813281	AIRS/AFS		
COMPLIANCE CONTACT	PATRICK J. DONOVAN	8063813281	AIR		
PUBLIC CONTACT	PATRICK DONOVAN	806-468-4134	RBLC	View	
PUBLIC CONTACT	STEVEN S. JONES	8064684121	TRIS		
TECHNICAL CONTACT	MR. PATRICK J DONOVAN		TSCA		

Query executed on: APR-14-2020

Additional information for CERCLIS or TRI sites:

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- National Library of Medicine (NLM)  TOXMAP

Last updated on September 24, 2015



Related Topics: Envirofacts

FRS

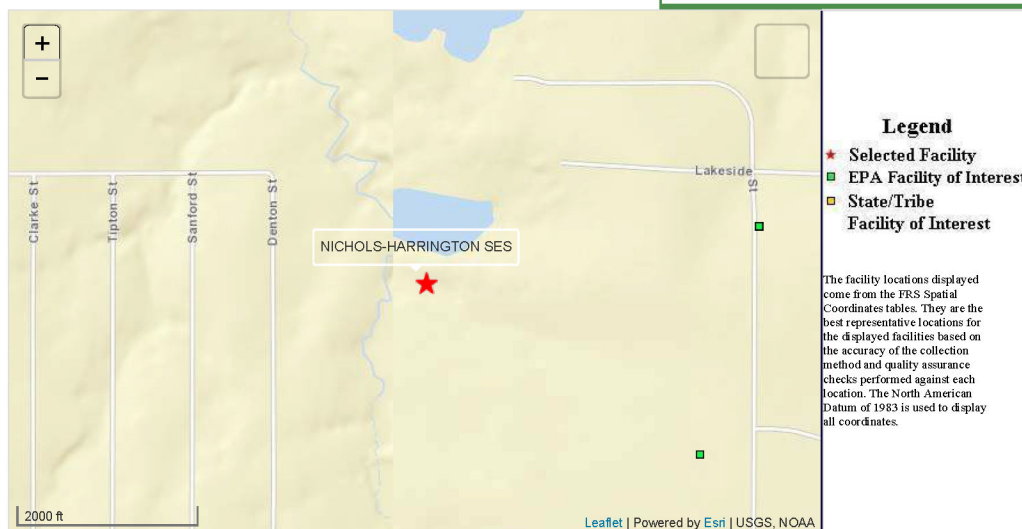
FRS Facility Detail Report

NICHOLS-HARRINGTON SES

EPA Registry Id: 110055045464
ST HWY 136 AND 6 MILES NE
AMARILLO, TX 79105

Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

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Environmental Interests

Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
COMPLIANCE AND EMISSIONS DATA REPORTING INTERFACE	NICHOLS-HARRINGTON STATION	CEDRI10001608	COMPLIANCE AND EMISSIONS REPORTING	API	01/04/2017	
TOXIC SUBSTANCES CONTROL ACT	NICHOLS-HARRINGTON STATION	TSCA121201	TSCA SUBMITTER	TSCA	08/11/2016	
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	NICHOLS-HARRINGTON SES	TX0124575	ICIS-NPDES MAJOR	ICIS		ICIS-ENFORCEMENT/COMPLIANCE ACTIVITY
Additional EPA Reports: MyEnvironment Enforcement and Compliance Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report						

Standard Industrial Classification Codes (SIC)										
Data Source	SIC Code	Description	Primary							
NPDES	4911	ELECTRIC SERVICES								
			National Industry Classification System Codes (NAICS)							
Facility Codes and Flags			No NAICS Codes returned.							
EPA Region:	06									
Duns Number:		Facility Mailing Addresses								
Congressional District Number:	13									
Legislative District Number:	01									
HUC Code/Watershed:	11090105 / LAKE MEREDITH	Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System			
US Mexico Border Indicator:	NO	COGNIZANT OFFICIAL	PO BOX 1261	AMARILLO TX	79105	1261	NPDES			
Federal Facility:	NO	COGNIZANT OFFICIAL	PO BOX 1261	AMARILLO TX	79105		NPDES			
Tribal Land:	NO	MAILING ADDRESS	PO BOX 1261	AMARILLO TX	79105	1261	NPDES			
Alternative Names		MAILING ADDRESS	790 SOUTH BUCHANAN STREET	AMARILLO TX	79101		NPDES			
Alternative Name	Source of Data		OWNER	PO BOX 1261	AMARILLO TX	79105	1261	NPDES		
NICHOLS-HARRINGTON STATION										
Organizations					Contacts					
Affiliation Type	Name	DUNS Number	Information System	Mailing Address	Affiliation Type	Full Name	Office Phone	Information System	Mailing Address	
OWNER	SOUTHWESTERN PUBLIC SERVICE CO		NPDES	View	COGNIZANT OFFICIAL	RILEY HILL	8063782922	NPDES	View	
MAILING ADDRESS	SOUTHWESTERN PUBLIC SERVICE CO		NPDES	View	COGNIZANT OFFICIAL	RILEY HILL	8063782922	NPDES	View	

Query executed on: APR-14-2020

Last updated on September 24, 2015



Related Topics: Envirofacts

FRS

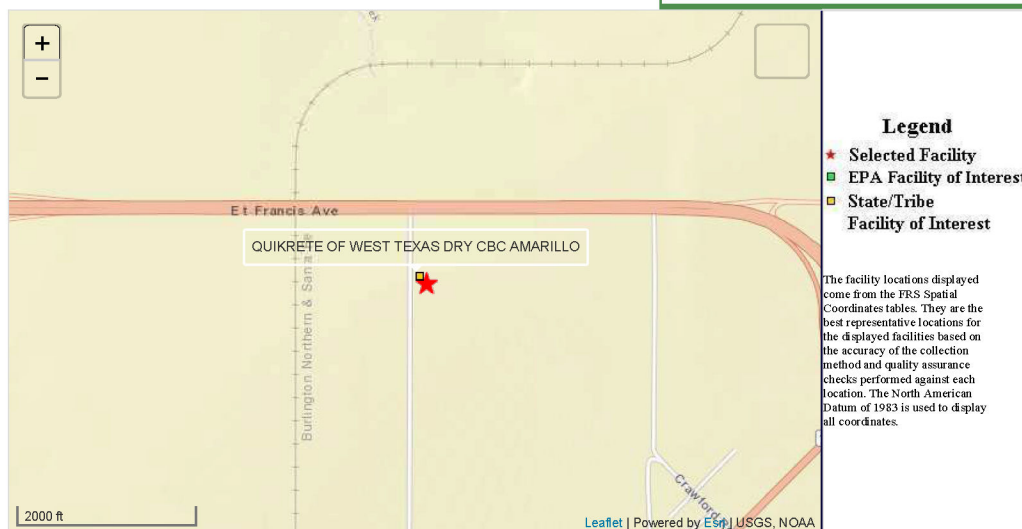
FRS Facility Detail Report

QUIKRETE OF WEST TEXAS DRY CBC AMARILLO

EPA Registry Id: 110070374599
5501 N WHITAKER RD
AMARILLO, TX 79108-7610

Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

[Report an Error](#)

Environmental Interests

Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	QUIKRETE OF WEST TEXAS DRY CBC AMARILLO	TXR05V489	STORM WATER INDUSTRIAL	ICIS	09/27/2017	ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (ICIS-NPDES)	QUIKRETE OF WEST TEXAS DRY CBC AMARILLO	TXR05V489	ICIS-NPDES NON- MAJOR	ICIS	09/27/2017	ICIS- ENFORCEMENT/COMPLIANCE ACTIVITY
Additional EPA Reports: MyEnvironment Enforcement and Compliance Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report						

Standard Industrial Classification Codes (SIC)		
No SIC Codes returned.		
Facility Codes and Flags		
EPA Region:	06	National Industry Classification System Codes (NAICS)
Duns Number:		
Congressional District Number:	13	No NAICS Codes returned.
Legislative District Number:		Facility Mailing Addresses
HUC Code/Watershed:	11090105 / LAKE MEREDITH	
US Mexico Border Indicator:	NO	No Facility Mailing Addresses returned.
Federal Facility:		Contacts
Tribal Land:		
Alternative Names		
No Alternative Names returned.		
Organizations		
No Organizations returned.		

Query executed on: APR-14-2020

Last updated on September 24, 2015



Related Topics: Envirofacts

FRS

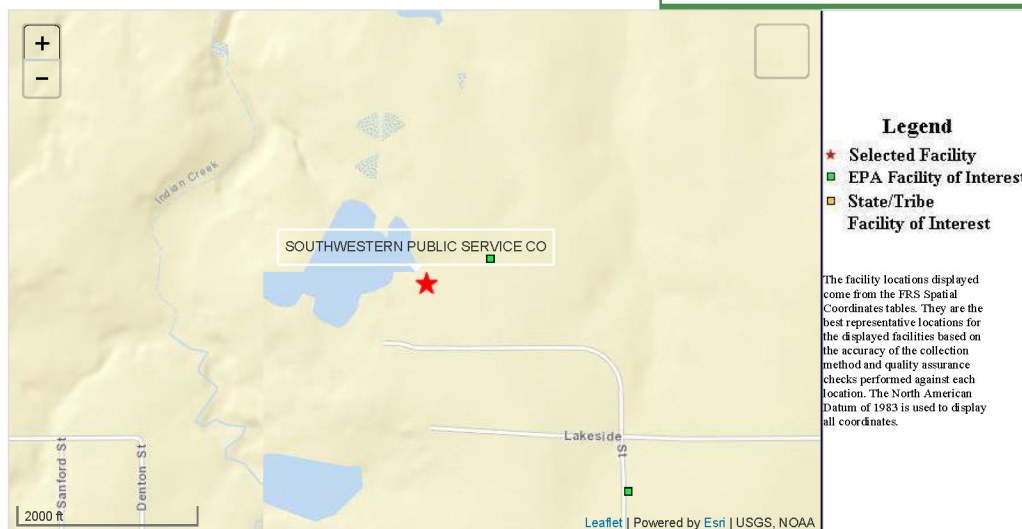
FRS Facility Detail Report

SOUTHWESTERN PUBLIC SERVICE CO

EPA Registry Id: 110042010999
LAKESIDE HIGHWAY 136 6 MI N
AMARILLO, TX 79108

Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

[Report an Error](#)

Environmental Interests

Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interest
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	SAVAGE-HARRINGTON ENERGY SERVICES	TXD982289613	CESQG (Y)	RCRAINFO	03/12/2019	
ELECTRONIC GREENHOUSE GAS REPORTING TOOL (E-GGRT)	NICHOLS STATION	1000939	GREENHOUSE GAS REPORTER	E-GGRT		
ICIS-AIR (AIR)	NICHOLS STATION POWER PLANT	TX0000004837500004	AIR MAJOR	ICIS	09/12/2015	
TOXICS RELEASE INVENTORY SYSTEM	SOUTHWESTERN PUBLIC SERVICE CO HARRINGTON STATION	79108STHWSNLAKE	TRI REPORTER	TRIS	06/23/2017	
AIR FACILITY SYSTEM	NICHOLS STATION POWER PLANT	4837500004	AIR MAJOR (OPERATING)	AIRS/AFS	01/25/2013	
CLEAN AIR MARKETS DIVISION (CAMD) BUSINESS SYSTEMS	NICHOLS STATION	3484	AIR PROGRAM	CAMDBS	09/30/2011	
COMPLIANCE AND EMISSIONS DATA REPORTING INTERFACE	HARRINGTON STATION	CEDRI10004190	COMPLIANCE AND EMISSIONS REPORTING	CEDRI		PERMIT-16383 AIR PROGRAM REGISTRATION-93027 AIR PROGRAM SOLID WASTE REGISTRA-74303 HAZARDOUS WASTE PROGRAM EPA ID-PSDTX631M1 AIR PROGRAM EPA ID-PSDTX017M2 AIR PROGRAM EPA ID-PSDTX631 AIR PROGRAM REGISTRATION-84932 AIR PROGRAM ACCOUNT NUMBER-PG0041R AIR EMISSION INVENTORY EPA ID-PSDTX017M1 AIR PROGRAM ACCOUNT NUMBER-PG0041R AIR PROGRAM REGISTRATION-45703 AIR PROGRAM EPA ID-TXD982289613 HAZARDOUS WASTE PROGRAM REGISTRATION-16383 AIR PROGRAM REGISTRATION-52255 AIR PROGRAM REGISTRATION-45591 AIR PROGRAM ACCOUNT NUMBER-PG0041R AIR PROGRAM SOLID WASTE REGISTRA-33242 HAZARDOUS WASTE PROGRAM PERMIT-5300 AIR PROGRAM PERMIT-15 AIR PROGRAM PERMIT-6111 AIR PROGRAM PERMIT-5129 AIR PROGRAM PERMIT-3080 AIR PROGRAM PERMIT-45703 AIR PROGRAM PERMIT-1388 AIR PROGRAM PERMIT-52255 AIR PROGRAM AFS NUM-4837500022 AIR PROGRAM PERMIT-1389 AIR PROGRAM REGISTRATION-81171 AIR PROGRAM REGISTRATION-8752 UNDERGROUND STORAGE TANK PROGRAM EPA ID-TXD000750745 HAZARDOUS WASTE PROGRAM
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY - AGENCY CENTRAL REGISTRY	HARRINGTON STATION POWER PLANT	RN100224849	STATE MASTER	TX-TCEQ ACR		PERMIT-5300 AIR PROGRAM PERMIT-15 AIR PROGRAM PERMIT-6111 AIR PROGRAM PERMIT-5129 AIR PROGRAM PERMIT-3080 AIR PROGRAM PERMIT-45703 AIR PROGRAM PERMIT-1388 AIR PROGRAM PERMIT-52255 AIR PROGRAM AFS NUM-4837500022 AIR PROGRAM PERMIT-1389 AIR PROGRAM REGISTRATION-81171 AIR PROGRAM REGISTRATION-8752 UNDERGROUND STORAGE TANK PROGRAM EPA ID-TXD000750745 HAZARDOUS WASTE PROGRAM
ENERGY INFORMATION ADMINISTRATION-860 (EIA-860) DATABASE	HARRINGTON	6193	ELECTRIC GENERATOR	EIA-860	10/06/2016	
EMISSIONS & GENERATION RESOURCE INTEGRATED DATABASE	NICHOLS STATION	3484	ELECTRIC POWER GENERATOR (GAS BASED)	EGRID	02/24/2018	
ICIS-AIR (AIR)	HARRINGTON STATION POWER PLANT	TX0000004837500022	AIR MAJOR	ICIS	09/12/2015	
COMPLIANCE AND EMISSIONS DATA REPORTING INTERFACE	SOUTHWESTERN PUBLIC SERVICE CO HARRINGTON STATION	CEDRI76382	COMPLIANCE AND EMISSIONS REPORTING	CEDRI	01/16/2018	
CLEAN AIR MARKETS DIVISION (CAMD) BUSINESS SYSTEMS	HARRINGTON STATION	6193	AIR PROGRAM	CAMDBS	09/30/2011	
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY - AGENCY CENTRAL REGISTRY	SAVAGE HARRINGTON ENERGY SERVICE	RN100219187	STATE MASTER	TX-TCEQ ACR		AFS NUM-4837500023 AIR PROGRAM EPA ID-TXD982289613 HAZARDOUS WASTE PROGRAM ACCOUNT NUMBER-PG0044L AIR PROGRAM SOLID WASTE REGISTRA-74303 HAZARDOUS WASTE PROGRAM PERMIT-897 AIR PROGRAM
EMISSION INVENTORY SYSTEM (EIS)	NICHOLS STATION POWER PLANT	5678011	HAZARDOUS AIR POLLUTANT MAJOR	EIS	02/28/2020	
ELECTRONIC GREENHOUSE GAS REPORTING TOOL (E-GGRT)	HARRINGTON STATION	1001042	GREENHOUSE GAS REPORTER	E-GGRT		
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	SOUTHWESTERN PUBLIC SERVICE NICHOLS STATION	TXD007369713	TRANSPORTER (Y)	RCRAINFO	10/15/2019	
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	SOUTHWESTERN PUBLIC SERVICE NICHOLS STATION	TXD007369713	SQG (Y)	RCRAINFO	10/15/2019	
AIR FACILITY SYSTEM	HARRINGTON STATION POWER PLANT	4837500022	AIR MAJOR (OPERATING)	AIRS/AFS	05/20/2014	ICIS-ENFORCEMENT/COMPLIANCE ACTIVITY

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY - AGENCY CENTRAL REGISTRY	NICHOLS STATION POWER PLANT	RN100224641	STATE MASTER	TX-TCEQ ACR	PERMIT-TX0124575 NPDES PERMIT PERMIT-15815 AIR PROGRAM SOLID WASTE REGISTRA-30099 HAZARDOUS WASTE PROGRAM REGISTRATION-45589 AIR PROGRAM AFS NUM-4837500004 AIR PROGRAM REGISTRATION-75244 AIR PROGRAM PERMIT-WDW338 UIC PERMIT-WDW339 UIC PERMIT-WDW340 UIC PERMIT-WDW341 UIC PERMIT-WQ0001990000 NPDES PERMIT PERMIT-13 AIR PROGRAM ACCOUNT NUMBER-PG0040T AIR PROGRAM ACCOUNT NUMBER-PG0040T AIR PROGRAM EPA ID-TXD007369713 HAZARDOUS WASTE PROGRAM PERMIT-18162 AIR PROGRAM PERMIT-TX0124575 NPDES PERMIT PERMIT-WDW342 UIC EPA ID-PSDTX726 AIR PROGRAM
EMISSIONS & GENERATION RESOURCE INTEGRATED DATABASE	HARRINGTON STATION	6193	ELECTRIC POWER GENERATOR (COAL BASED)	EGRID	02/24/2018
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	SOUTHWESTERN PUBLIC SERVICE HARRINGTON STATION	TXD000750745	SQG (Y)	RCRAINFO	02/28/2018
ENERGY INFORMATION ADMINISTRATION-860 (EIA-860) DATABASE	NICHOLS	3484	ELECTRIC GENERATOR	EIA-860	10/06/2016

Additional EPA Reports: [MyEnvironment](#) [Enforcement and Compliance](#) [Site Demographics](#) [Facility Coordinates Viewer](#) [Environmental Justice Map Viewer](#) [Watershed Report](#)


Standard Industrial Classification Codes (SIC)					National Industry Classification System Codes (NAICS)					
Data Source	SIC Code	Description		Primary	Data Source	NAICS Code	Description		Primary	
CAMDBS	4911	ELECTRIC SERVICES			TX-TCEQ ACR	221112	FOSSIL FUEL ELECTRIC POWER GENERATION.			
AIR	4911	ELECTRIC SERVICES			TX-TCEQ ACR	221112	FOSSIL FUEL ELECTRIC POWER GENERATION.			
AIR	4911	ELECTRIC SERVICES			AIR	221122	ELECTRIC POWER DISTRIBUTION.			
TX-TCEQ ACR	4911	ELECTRIC SERVICES			EIA-860	22				
AIRS/AFS	4911	ELECTRIC SERVICES			TX-TCEQ ACR	221122	ELECTRIC POWER DISTRIBUTION.			
TX-TCEQ ACR	4911	ELECTRIC SERVICES			EIS	22111	ELECTRIC POWER GENERATION			
CAMDBS	4911	ELECTRIC SERVICES			CAMDBS	221112	FOSSIL FUEL ELECTRIC POWER GENERATION.			
AIRS/AFS	4911	ELECTRIC SERVICES			E-GGRT	221112	FOSSIL FUEL ELECTRIC POWER GENERATION.			
AIRS/AFS	4911	ELECTRIC SERVICES			AIRS/AFS	221111	HYDROELECTRIC POWER GENERATION.			
TX-TCEQ ACR	1221	BITUMINOUS COAL AND LIGNITE SURFACE MINING			AIR	221112	FOSSIL FUEL ELECTRIC POWER GENERATION.			
					TX-TCEQ ACR	221122	ELECTRIC POWER DISTRIBUTION.			
					TRIS	221112	FOSSIL FUEL ELECTRIC POWER GENERATION.			
					AIR	221112	FOSSIL FUEL ELECTRIC POWER GENERATION.			
					TX-TCEQ ACR	221119	OTHER ELECTRIC POWER GENERATION.			
					EIA-860	22				
					AIR	221111	HYDROELECTRIC POWER GENERATION.			
					AIRS/AFS	221111	HYDROELECTRIC POWER GENERATION.			
					CAMDBS	221112	FOSSIL FUEL ELECTRIC POWER GENERATION.			
					E-GGRT	221112	FOSSIL FUEL ELECTRIC POWER GENERATION.			
					AIR	221111	HYDROELECTRIC POWER GENERATION.			
					AIR	221122	ELECTRIC POWER DISTRIBUTION.			
Facility Codes and Flags										
EPA Region:	06									
Duns Number:										
Congressional District Number:	13									
Legislative District Number:	01									
HUC Code/Watershed:	11090105 / LAKE MEREDITH									
US Mexico Border Indicator:	NO									
Federal Facility:	NO									
Tribal Land:	NO									
Alternative Names					Facility Mailing Addresses					
Alternative Name		Source of Data			Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
NICHOLS		EGRID								
SPS NICHOLS STATION		RCRAINFO								
HARRINGTON STATION POWER PLANT		TSCA			REGULATORY CONTACT	8400 N LAKESIDE DR	AMARILLO	TX	79108-5712	RCRAINFO
HARRINGTON STATION		E-GGRT								
NICHOLS-HARRINGTON STATION		PCS			FACILITY MAILING ADDRESS	790 S BUCHANAN ST	AMARILLO	TX	79101-2510	RCRAINFO
HARRINGTON		EGRID								
SAVAGE-HARRINGTON ENERGY SERVICES LTD LL		RCRAINFO			MAILING ADDRESS	790 SOUTH BUCHANAN STREET	AMARILLO	TX	79101	TRIS
SPS HARRINGTON STATION		RCRAINFO								
NICHOLS STATION		EIS			UNKNOWN CONTACT	5530 MARSHALL STREET	ARVADA	CO	80002	CAMDBS
SAVAGE HARRINGTON ENERGY SERVICES		RCRAINFO			REGULATORY CONTACT	1445 ROSS AVENUE	DALLAS	TX	75202	CAMDBS
Southwestern Public Service NICHOLS STATION		NOTIFICATION (RCRA)			FACILITY MAILING ADDRESS	8400 N LAKESIDE DR	AMARILLO	TX	79108-5712	RCRAINFO
WCSC - HARRINGTON STATION DIVISION		NOTIFICATION (RCRA)								
SOUTH WESTERN PUBLIC SERVICE		NPDES PERMIT			FACILITY MAILING ADDRESS	P O BOX 1261	AMARILLO	TX	79170	AIRS/AFS
SOUTHWESTERN PUBLIC SERVICE HARRINGTON STATION		RCRAINFO			OWNER/OPERATOR	P O BOX 1261SPS	AMARILLO	TX		EIA-860
NICHOLS STATION POWER PLANT		TX-TCEQ ACR			MAILING ADDRESS	PO BOX 1261	AMARILLO	TX	791051261	CEDRI
SAVAGE HARRINGTON ENERGY STATION		RCRAINFO			REGULATORY CONTACT	PO BOX 1261	AMARILLO	TX	791051261	CAMDBS
					OWNER/OPERATOR	PO BOX 1261	AMARILLO	TX	791051261	TX-TCEQ ACR
					PARENT COMPANY	P O BOX 1261SPS	AMARILLO	TX		EIA-860
						TOWER TYLER AT				
					OWNER	790 S BUCHANAN ST	AMARILLO	TX	79101-2510	RCRAINFO
					UNKNOWN CONTACT	P.O. BOX 1261	AMARILLO	TX	79105-1261	CAMDBS
					MAILING ADDRESS	8400 N LAKESIDE DR	AMARILLO	TX	79108-5712	TX-TCEQ ACR
					OWNER/OPERATOR	8400 N LAKESIDE DR	AMARILLO	TX	79108-5712	TX-TCEQ ACR
					OWNER	8400 N LAKESIDE DR	AMARILLO	TX	79108-5712	RCRAINFO
					REGULATORY CONTACT	PO BOX 1261	AMARILLO	TX	79105	CAMDBS
					PRIMARY FACILITY SITE CONTACT	P.O. BOX 1261	AMARILLO	TX	79105	CAMDBS
					FACILITY MAILING ADDRESS	P.O. BOX 1261	AMARILLO	TX	79170	AIR
					OPERATOR	790 S BUCHANAN ST	AMARILLO	TX	79101-2510	RCRAINFO
					OWNER/OPERATOR	4653 TABLE MOUNTAIN DR.	GOLDEN	CO	80207	EIA-860
					OPERATOR	8400 N LAKESIDE DR	AMARILLO	TX	79108-5712	RCRAINFO
					UNKNOWN CONTACT	PO BOX 1261	AMARILLO	TX	79105	CAMDBS
					MAILING ADDRESS	7201 N LAKESIDE DR	AMARILLO	TX	791085713	TX-TCEQ ACR
					REGULATORY CONTACT	P.O. BOX 1261	AMARILLO	TX	79105-1261	RCRAINFO
					OWNER/OPERATOR MAILING ADDRESS	P O BOX 1261SPS	AMARILLO	TX		EIA-860
					TOWER TYLER AT					
					UNKNOWN CONTACT	PO BOX 1261	AMARILLO	TX	791051261	CAMDBS
					PRIMARY FACILITY SITE CONTACT	P.O. BOX 1261	AMARILLO	TX	791051261	CAMDBS
					REGULATORY CONTACT	790 S BUCHANAN ST	AMARILLO	TX	79101-2510	RCRAINFO
					MAILING ADDRESS	PO BOX 1261	AMARILLO	TX	79105	CEDRI
					UNKNOWN CONTACT	1600 W TACOMA STREET	BROKEN ARROW	OK	74012	CAMDBS
					MAILING ADDRESS	8300 N LAKESIDE DR	AMARILLO	TX	791085725	TX-TCEQ ACR
Contacts										
					Affiliation Type	Full Name	Office Phone	Information System	Mailng Address	
PARENT COMPANY	XCEL ENERGY	E-GGRT								
OWNER/OPERATOR	SOUTHWESTERN PUBLIC SERVICE COMPANY	007369713	CAMDBS		PUBLIC CONTACT	WES REEVES	8063782714	TRIS		
OWNER/OPERATOR	SOUTHWESTERN PUBLIC SERVICE COMPANY	007369713	TX-TCEQ ACR	View	REGULATORY CONTACT	JOYCE A JOHNSON	2146658548	CAMDBS	View	
OWNER	SAVAGEHARRINGTON ENERGY SERVICES LTD LL	RCRAINFO	View		COMPLIANCE CONTACT	JOHN A. HUDSPETH P.E	8063782195	AIRS/AFS		
PARENT COMPANY	XCEL ENERGY	E-GGRT			UNKNOWN CONTACT	KEVIN L WORLEY	8063782185	CAMDBS	View	
PARENT COMPANY	SOUTHWESTERN PUBLIC SERVICE COMPANY	EIA-860	View		REGULATORY CONTACT	KEVIN L WORLEY	8063782185	CAMDBS	View	
PARENT COMPANY	SOUTHWESTERN PUBLIC SERVICE CO	EIS			UNKNOWN CONTACT	KEVIN L WORLEY	8063782185	CAMDBS	View	
					COMPLIANCE CONTACT	JOHN A. HUDSPETH P.E	8063782195	AIR		
PARENT COMPANY	XCEL ENERGY	848381245	TRIS		COMPLIANCE CONTACT	JOHN A. HUDSPETH	8063782195	AIR		
					UNKNOWN CONTACT	KARALEE SNYDER	8063782195	CAMDBS	View	
					REGULATORY CONTACT	KARALEE SNYDER	8063782195	CAMDBS	View	
					UNKNOWN CONTACT	KARALEE SNYDER	8063782195	CAMDBS	View	
					PRIMARY FACILITY SITE CONTACT	DAVID A LOW	8063782730	CAMDBS	View	
					UNKNOWN CONTACT	THOMAS GRAHAM	9183078865X4170	CAMDBS	View	

REGULATORY CONTACT	CLIFF SCOTT	806-381-0261	RCRAINFO	View
REGULATORY CONTACT	KARALEE SNYDER	8063782195	CAMDBS	View
UNKNOWN CONTACT	DEAN METCALF	8063782194	CAMDBS	View
REGULATORY CONTACT	KARALEE SNYDER	8063782195	CAMDBS	View
UNKNOWN CONTACT	KARALEE SNYDER	8063782195	CAMDBS	View
REGULATORY CONTACT	KEVIN L WORLEY	8063782185	CAMDBS	View
UNKNOWN CONTACT	DEAN METCALF	8063782194	CAMDBS	View
UNKNOWN CONTACT	JOHN A. HUDSPETH	8063782195	AIRS/AFS	
UNKNOWN CONTACT	JOHN A. HUDSPETH P.E	8063782195	AIRS/AFS	
UNKNOWN CONTACT	JOHN A. HUDSPETH	8063782195	AIR	
UNKNOWN CONTACT	KARALEE SNYDER	8063782195	CAMDBS	View
REGULATORY CONTACT	KARALEE SNYDER	8063782195	CAMDBS	View
TECHNICAL CONTACT	KARALEE SNYDER	8063782195	TRIS	
UNKNOWN CONTACT	KEVIN L WORLEY	8063782185	CAMDBS	View
REGULATORY CONTACT	KEVIN L WORLEY	8063782185	CAMDBS	View
UNKNOWN CONTACT	STEVE THURMAN	8063782518	CAMDBS	View
UNKNOWN CONTACT	KARL BREUER	3034205949X35	CAMDBS	View
PRIMARY FACILITY SITE CONTACT	DAVID A LOW	8063782730	CAMDBS	View
REGULATORY CONTACT	JOYCE A JOHNSON	2146658548	CAMDBS	View
REGULATORY CONTACT	KEVIN L WORLEY	8063782185	CAMDBS	View
COMPLIANCE CONTACT	JOHN A. HUDSPETH	8063782195	AIRS/AFS	
UNKNOWN CONTACT	JOHN A. HUDSPETH P.E	8063782195	AIR	
UNKNOWN CONTACT	KEVIN L WORLEY	8063782185	CAMDBS	View
PRIMARY FACILITY SITE CONTACT	DAVID A LOW	8063782730	CAMDBS	View
UNKNOWN CONTACT	STEVE THURMAN	8063782518	CAMDBS	View
PRIMARY FACILITY SITE CONTACT	DAVID A LOW	8063782730	CAMDBS	View

Query executed on: APR-14-2020

Additional information for CERCLIS or TRI sites:

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- National Library of Medicine (NLM)  TOXMAP

Last updated on September 24, 2015

ATTACHMENT H

Federally Listed Threatened and Endangered Species

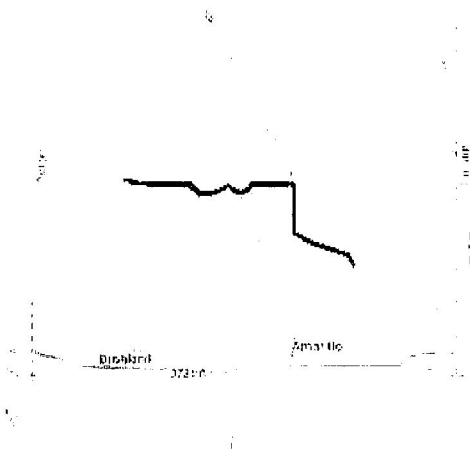
IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Potter County, Texas



Local office

Arlington Ecological Services Field Office

☎ (817) 277-1100

📠 (817) 277-1129

2005 Ne Green Oaks Blvd

Suite 140

Arlington, TX 76006-6247

<http://www.fws.gov/southwest/es/arlingontexas/>

<http://www.fws.gov/southwest/es/EndangeredSpecies/lists/>

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information.
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME

STATUS

Harrington Pipeline Feasibility Study

Least Tern *Sterna antillarum***Endangered**

This species only needs to be considered if the following condition applies:

- Wind Energy Projects

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/8505>

Piping Plover *Charadrius melodus***Threatened**

This species only needs to be considered if the following condition applies:

- Wind Energy Projects

There is final critical habitat for this species. Your location is outside the critical habitat.

<https://ecos.fws.gov/ecp/species/6039>

Red Knot *Calidris canutus rufa***Threatened**

This species only needs to be considered if the following condition applies:

- Wind Energy Projects

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/1864>

Whooping Crane *Grus americana***Endangered**

There is final critical habitat for this species. Your location is outside the critical habitat.

<https://ecos.fws.gov/ecp/species/758>

Fishes

NAME

STATUS

Arkansas River Shiner *Notropis girardi***Threatened**

There is final critical habitat for this species. Your location is outside the critical habitat.

<https://ecos.fws.gov/ecp/species/4364>

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

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Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON (IF A
BREEDING SEASON IS INDICATED
FOR A BIRD ON YOUR LIST, THE
BIRD MAY BREED IN YOUR
PROJECT AREA SOMETIME WITHIN
THE TIMEFRAME SPECIFIED,
WHICH IS A VERY LIBERAL
ESTIMATE OF THE DATES INSIDE
WHICH THE BIRD BREEDS
ACROSS ITS ENTIRE RANGE.
"BREEDS ELSEWHERE" INDICATES

THAT THE BIRD DOES NOT LIKELY
BREED IN YOUR PROJECT AREA.)

Bald Eagle *Haliaeetus leucocephalus*

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

<https://ecos.fws.gov/ecp/species/1626>

Breeds Oct 15 to Jul 31

Burrowing Owl *Athene cunicularia*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/9737>

Breeds Mar 15 to Aug 31

Cassin's Sparrow *Aimophila cassinii*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/9512>

Breeds Aug 1 to Oct 10

Lark Bunting *Calamospiza melanocorys*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Breeds May 10 to Aug 15

Lesser Yellowlegs *Tringa flavipes*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9679>

Breeds elsewhere

Mccown's Longspur *Calcarius mccownii*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9292>

Breeds May 1 to Aug 15

Semipalmated Sandpiper *Calidris pusilla*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds elsewhere

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (□)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season ()

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

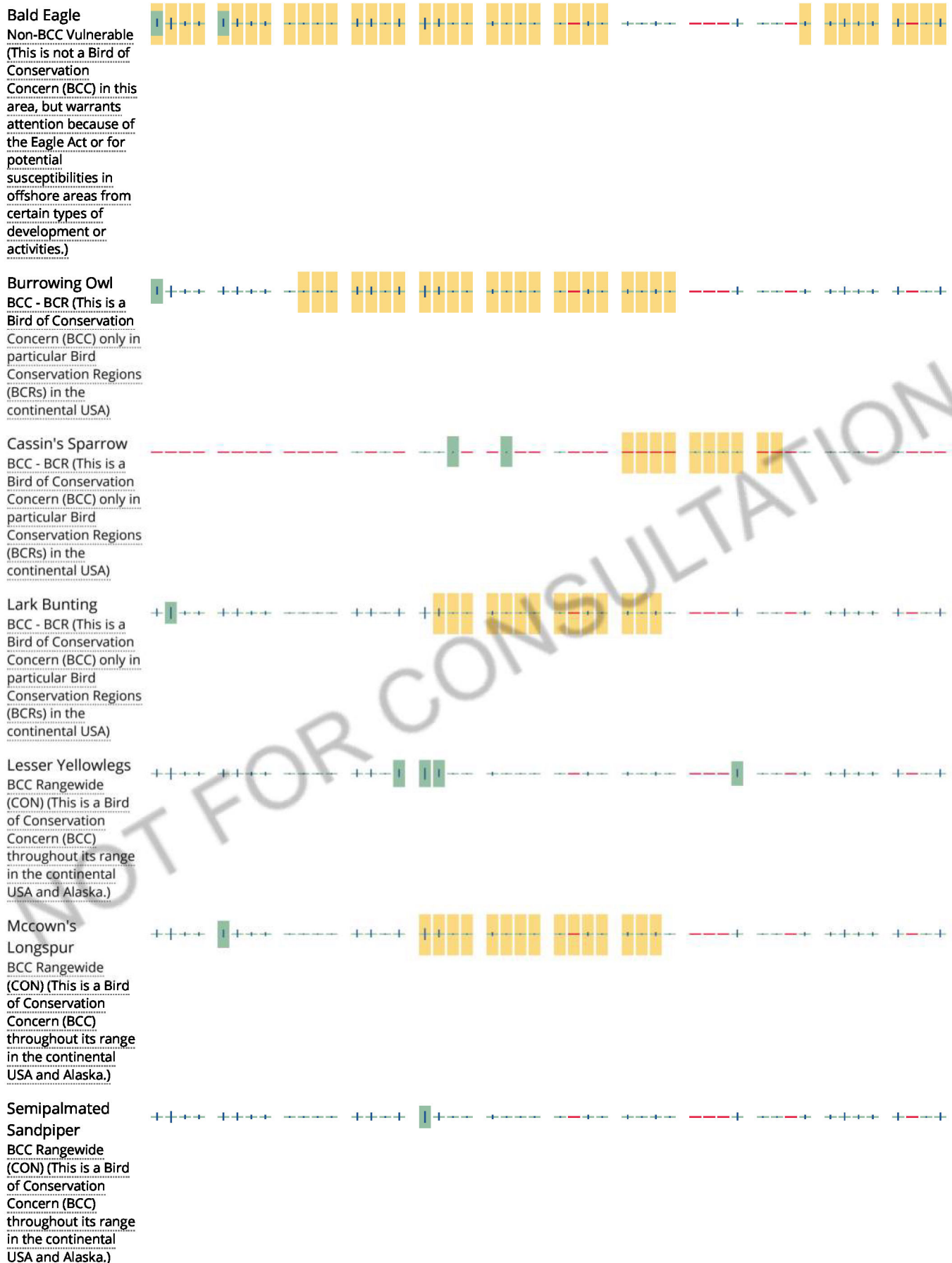
Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

☐ probability of presence
 ☐ breeding season
 | survey effort
 — no data

SPECIES JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

Harrington Pipeline Feasibility Study



Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) and/or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

Harrington Pipeline Feasibility Study
THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

Palustrine

RIVERINE

Riverine

A full description for each wetland code can be found at the National Wetlands Inventory website

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters.

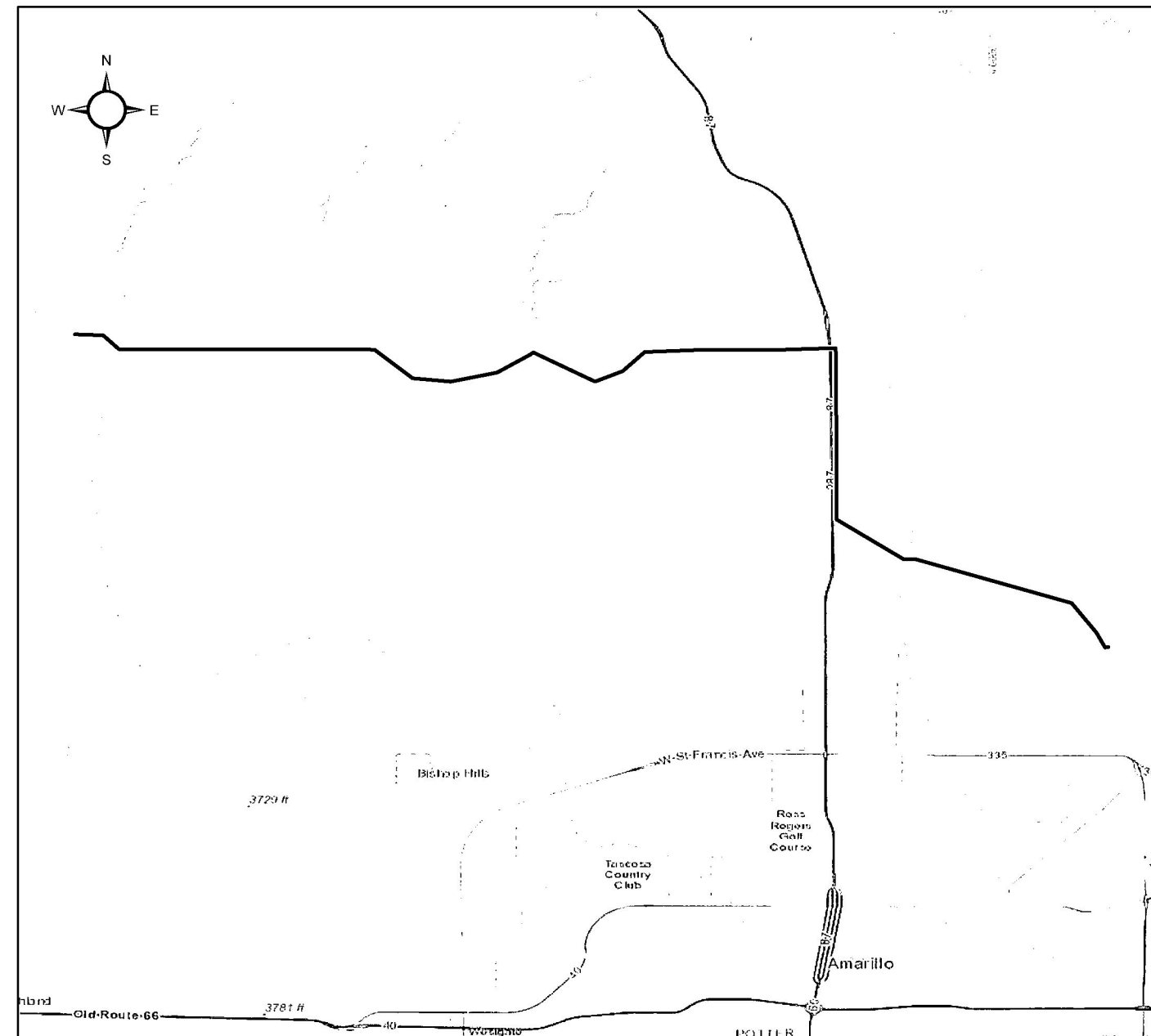
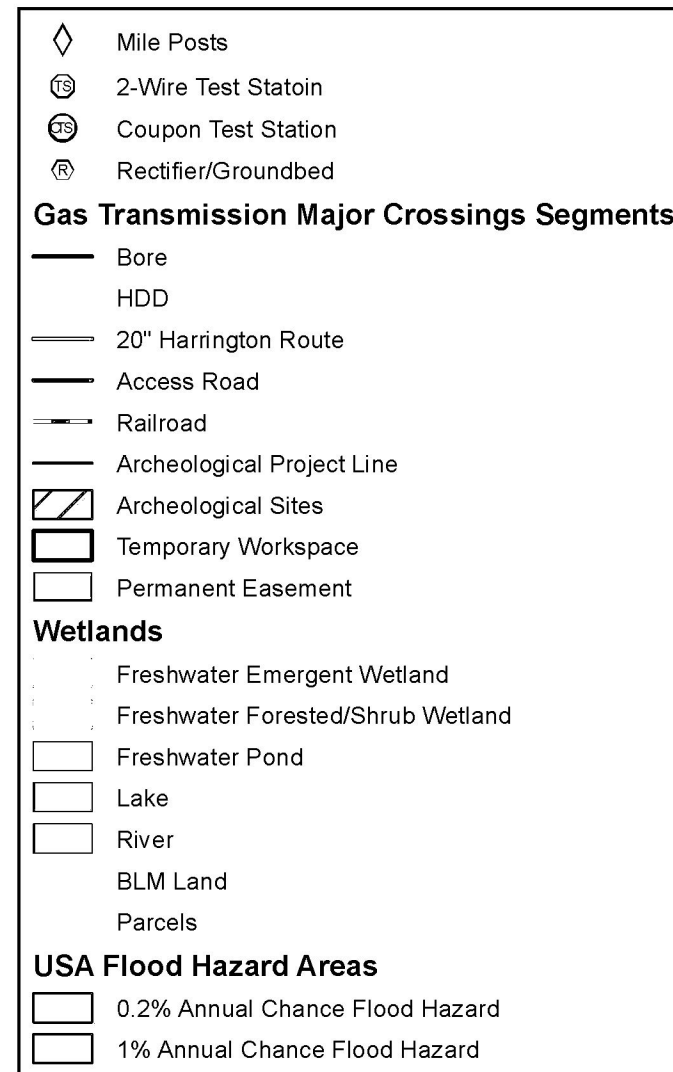
Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.



Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

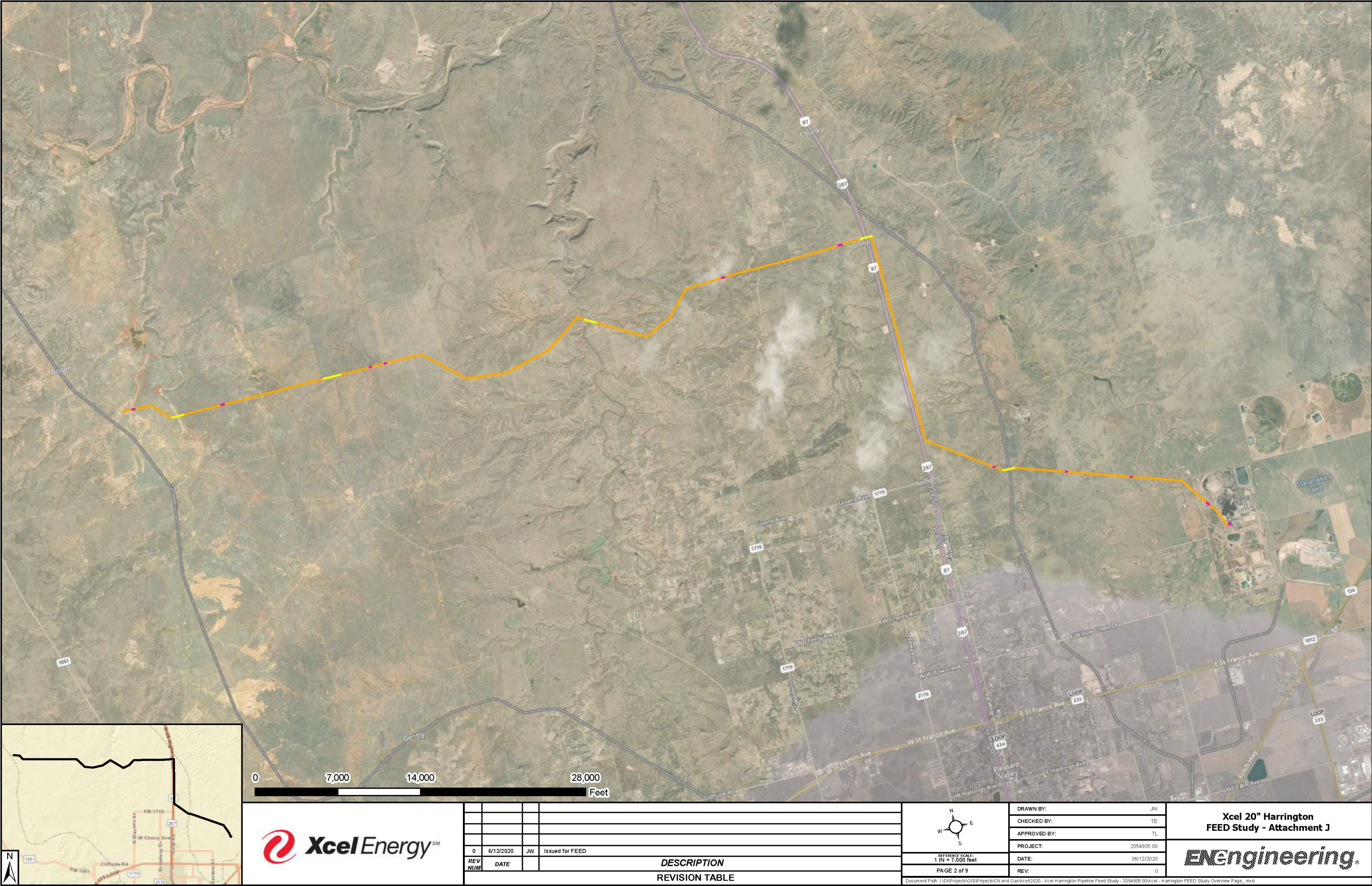
ATTACHMENT J
Pipeline Route Exhibits

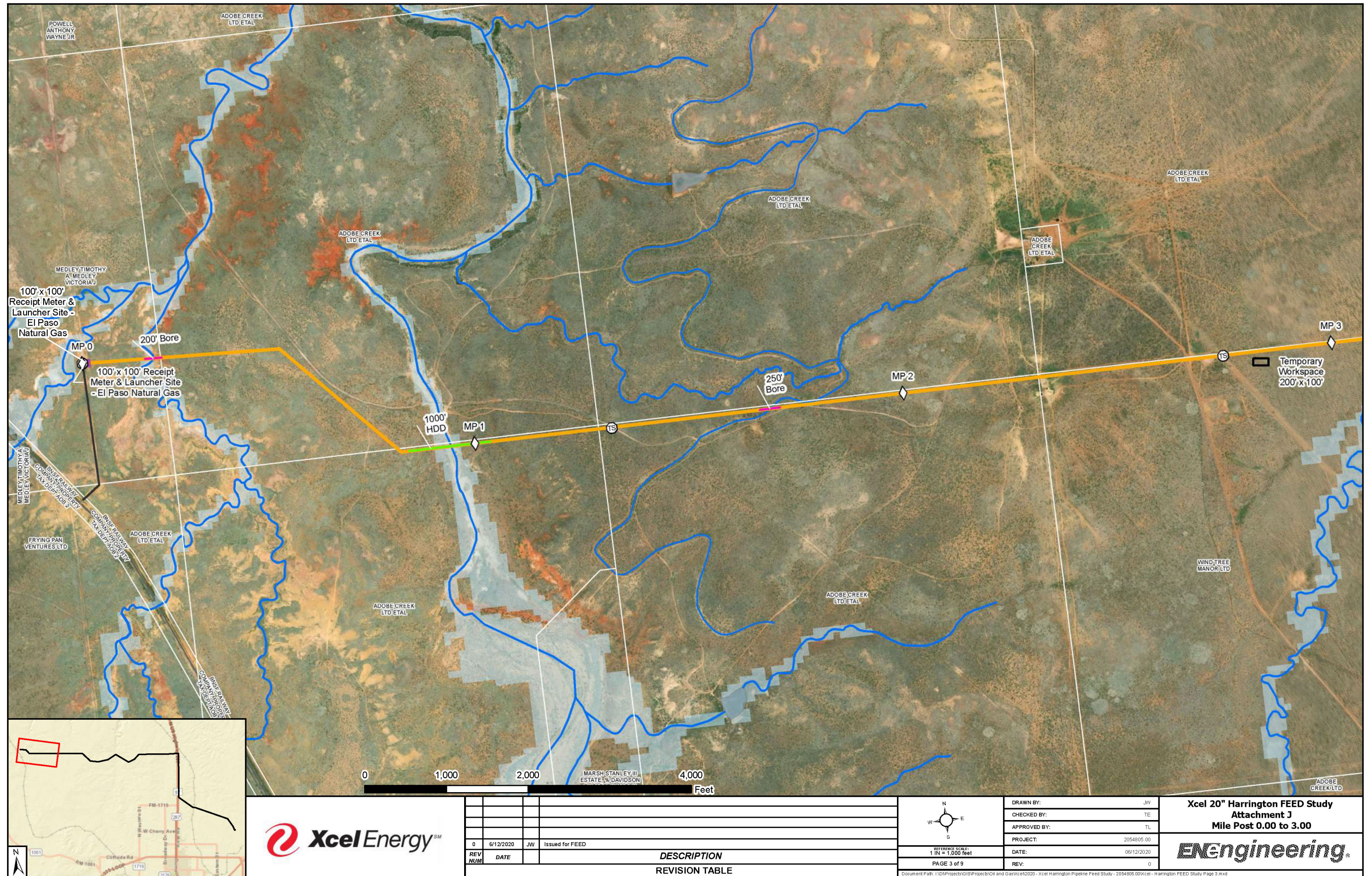
Xcel 20" Harrington Pipeline FEED Study - Attachment J

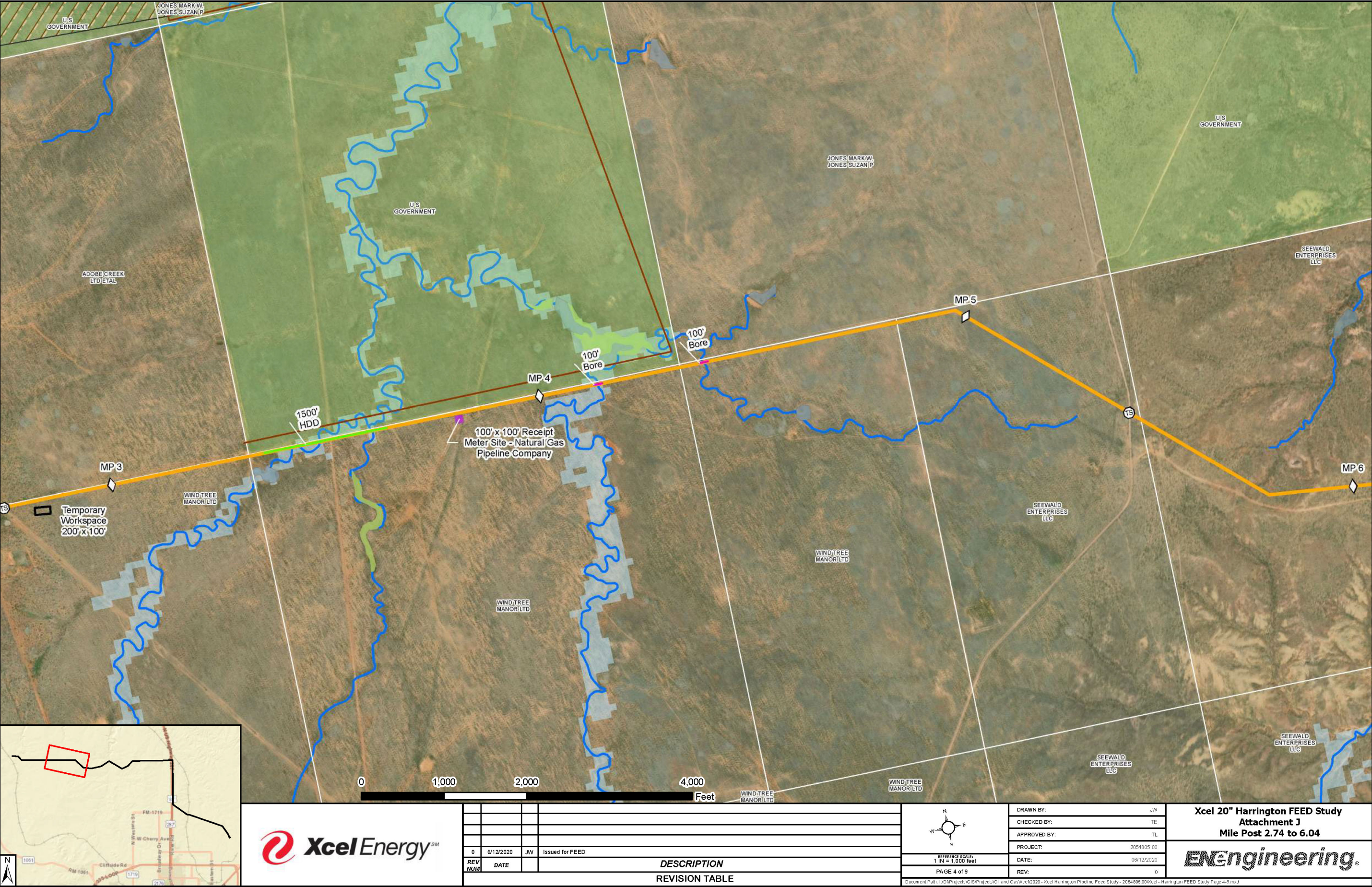


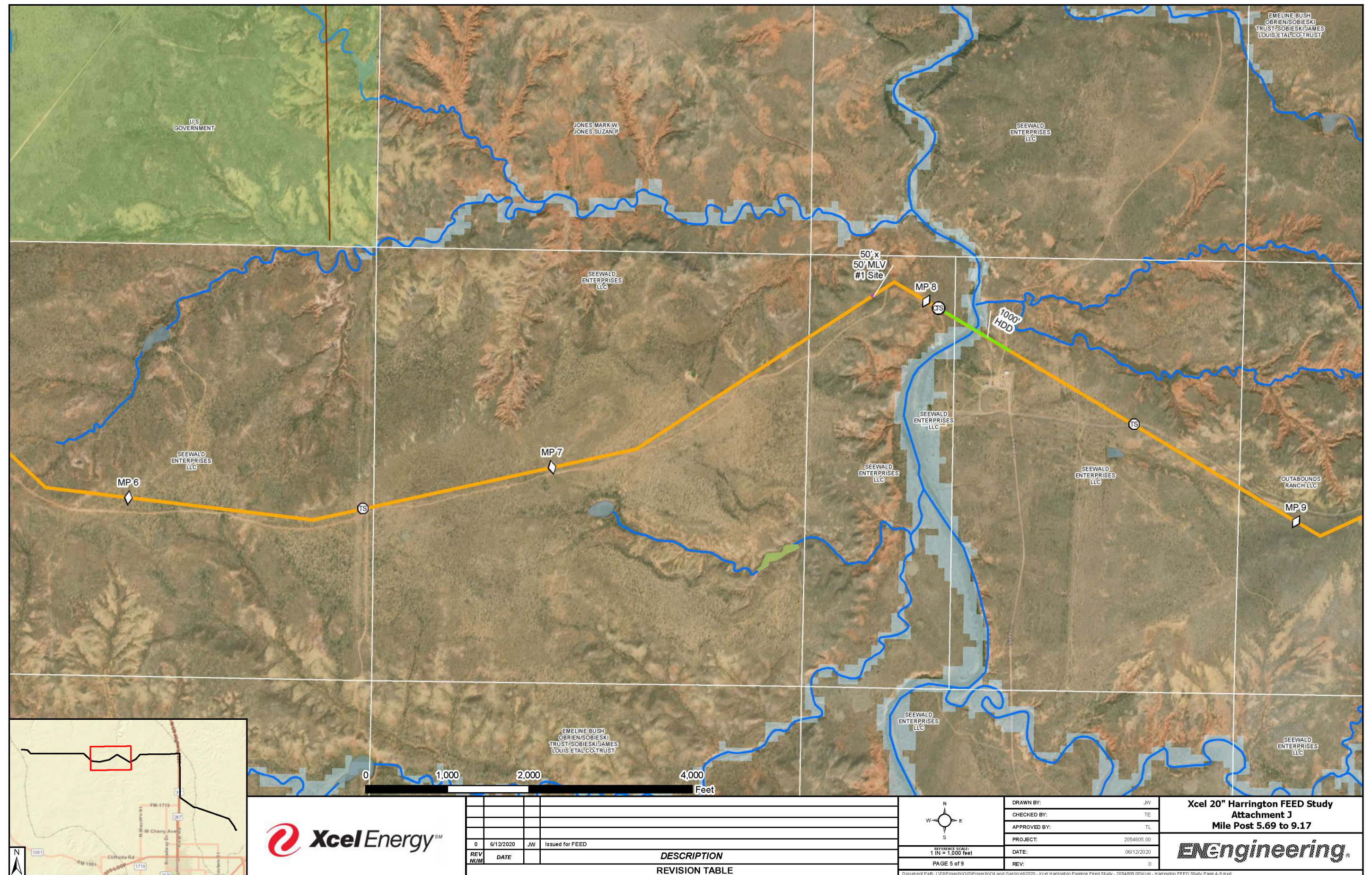
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	CHECKED BY:	TE	
	APPROVED BY:	TL	
	PROJECT:	2054805.00	
	DATE:	06/12/2020	
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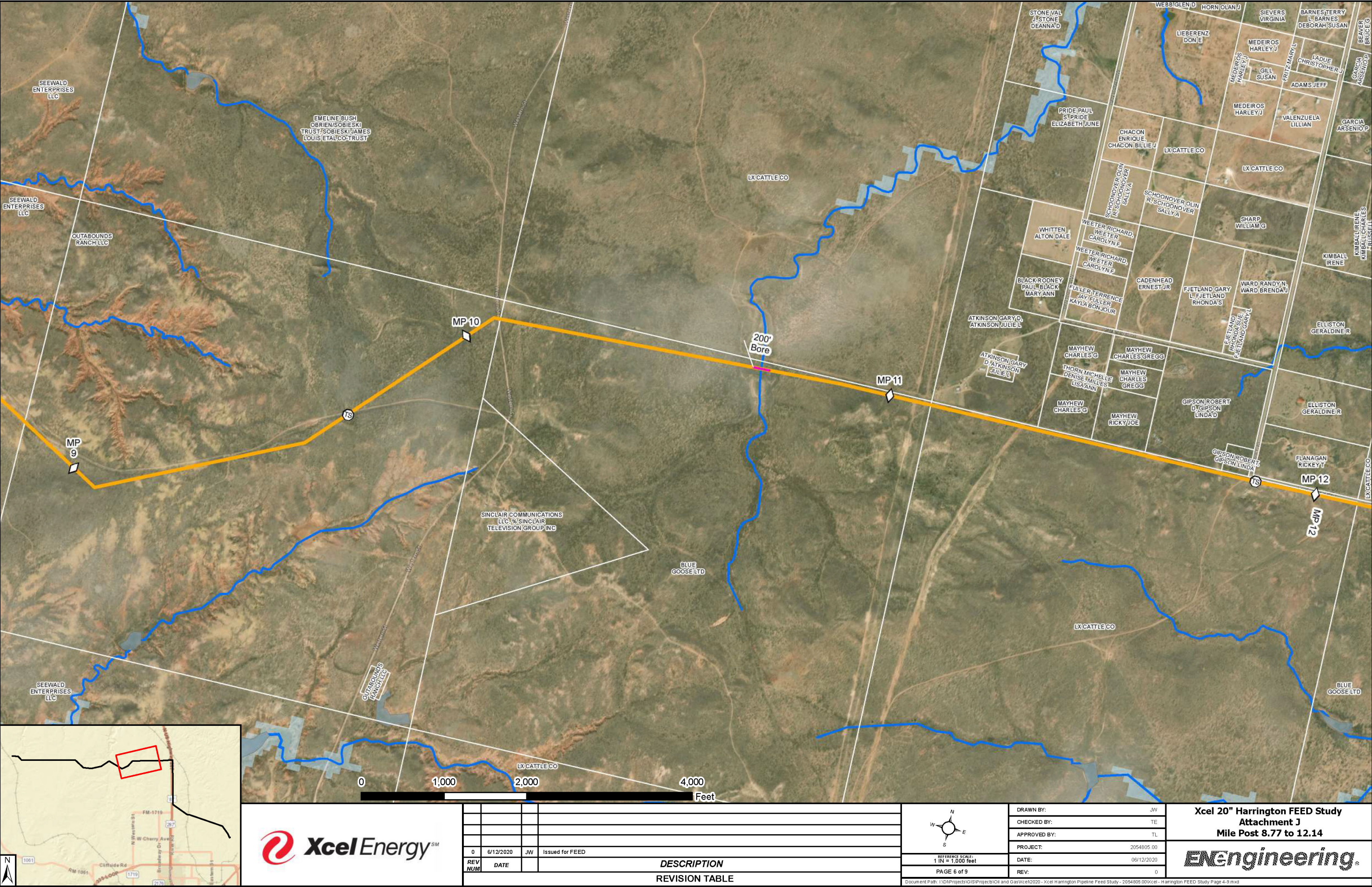
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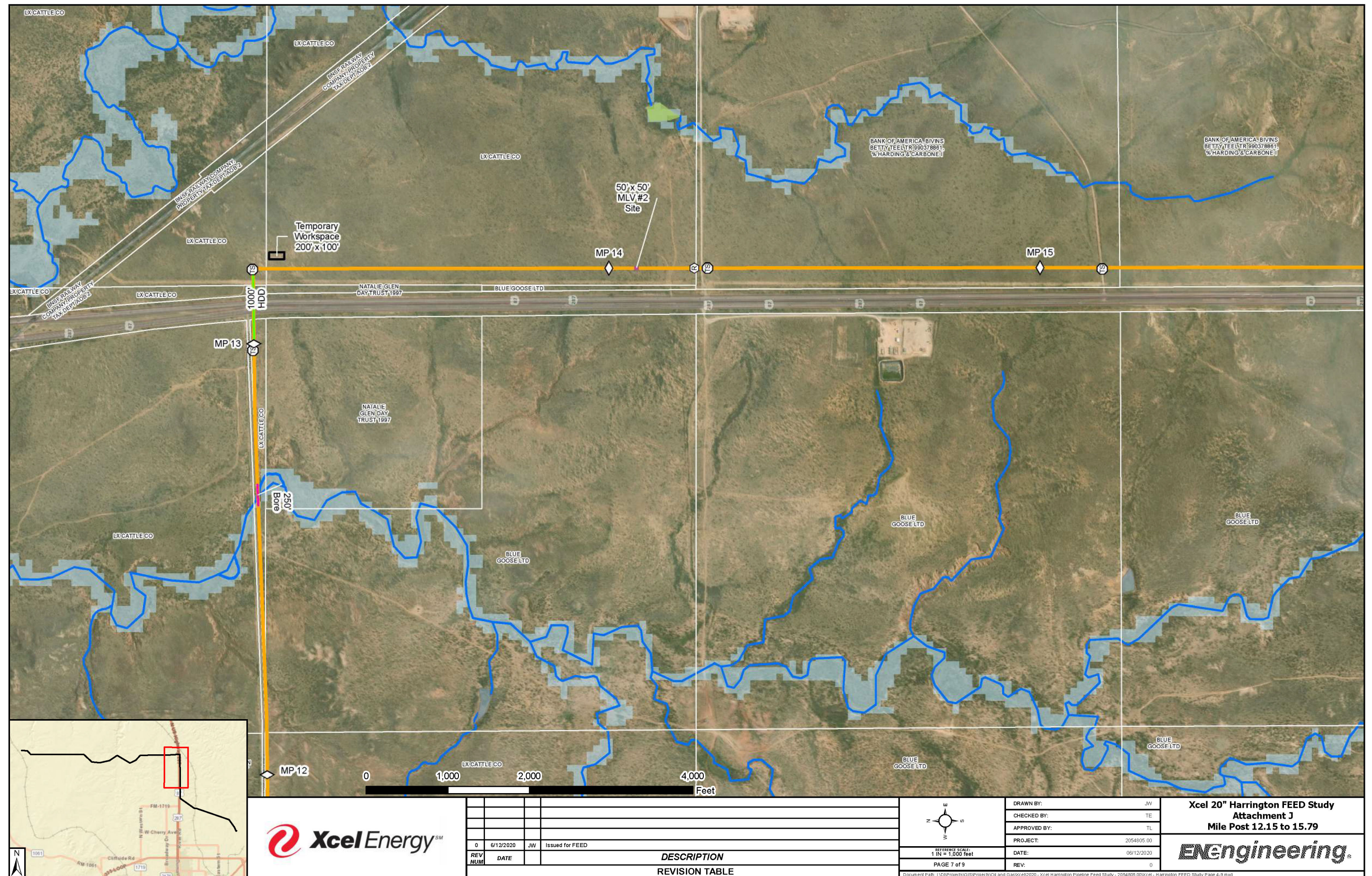


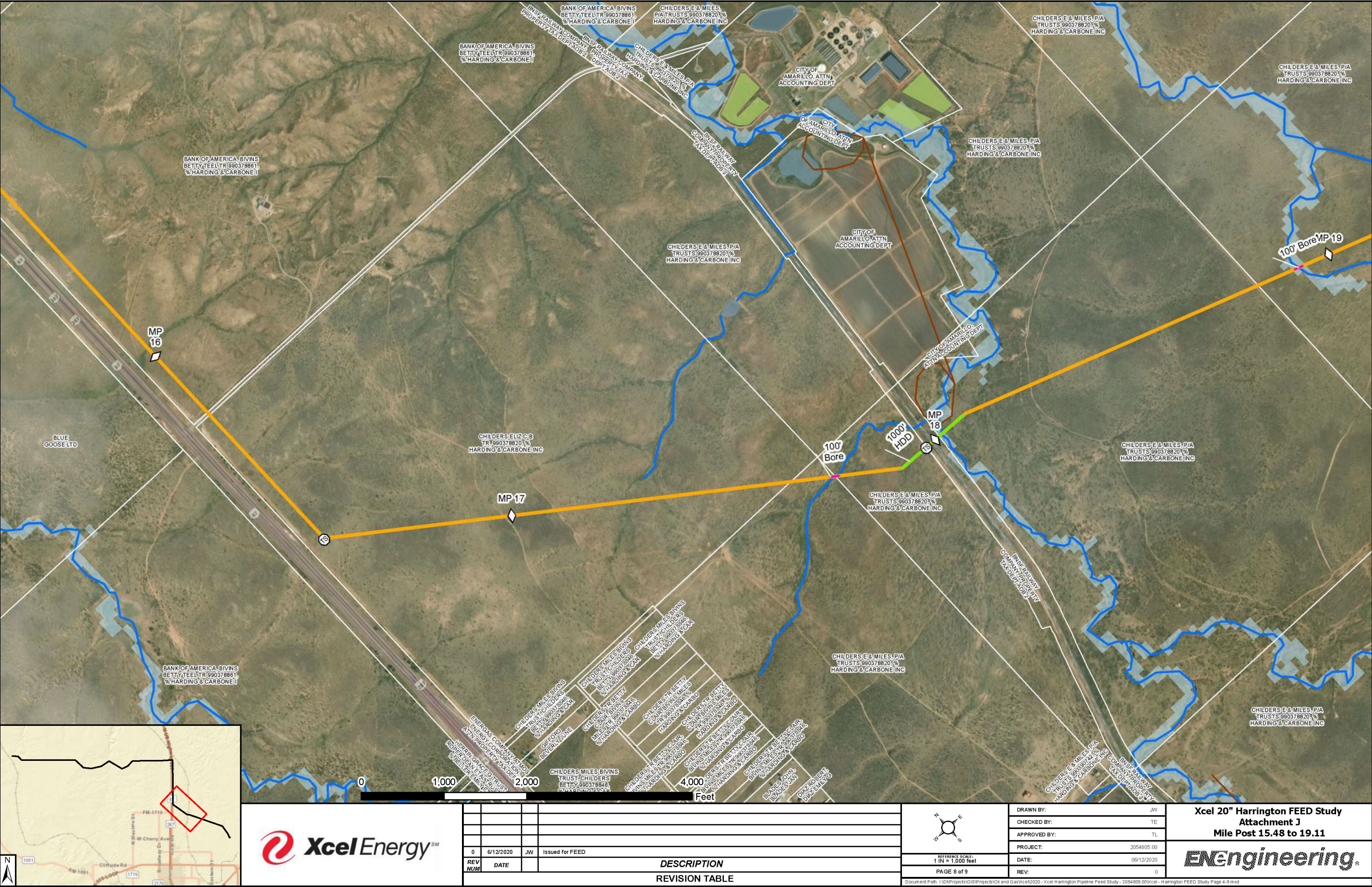


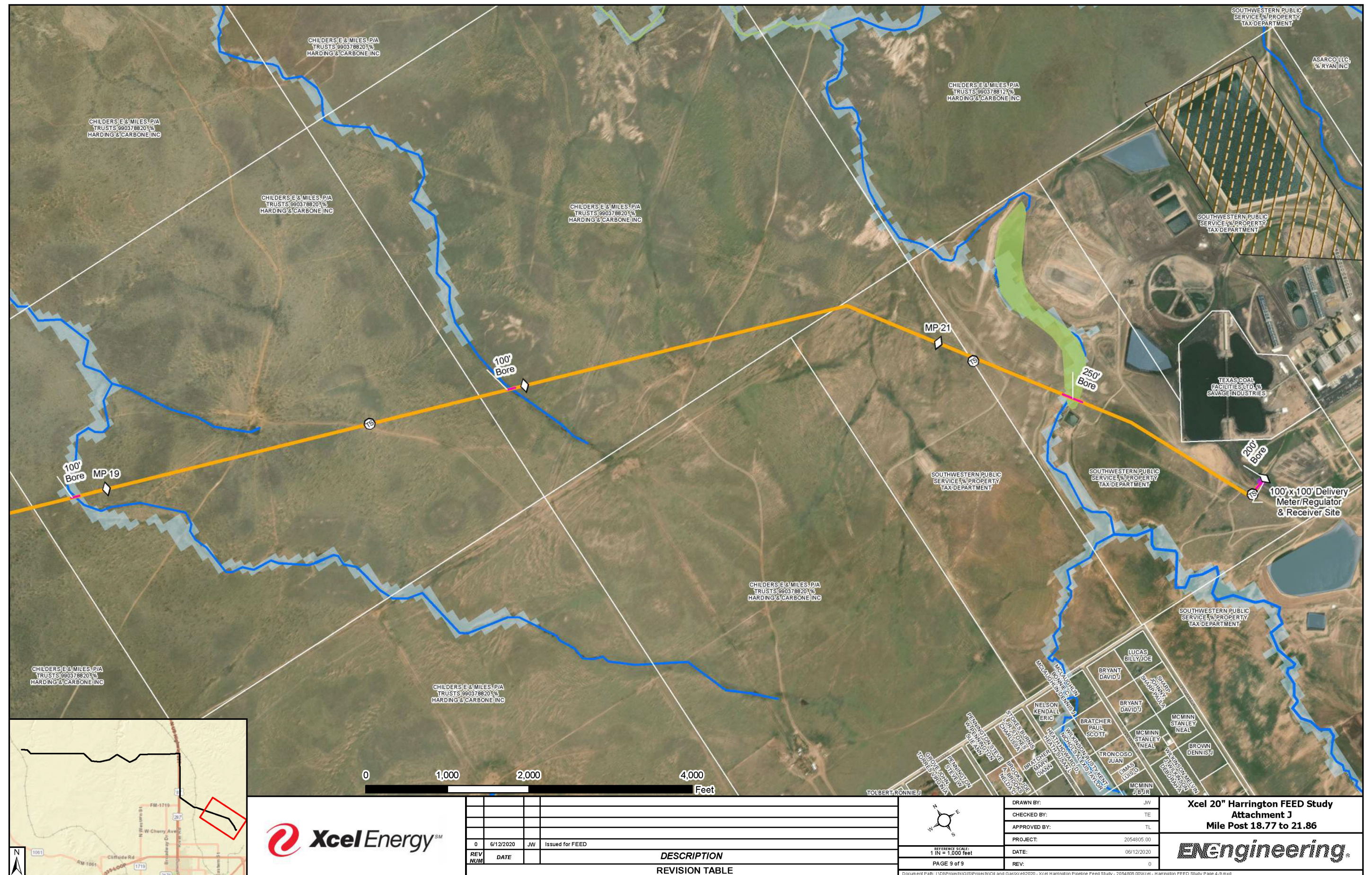












Harrington Pipeline Analysis

From: [David Oros](#)
To: [Hudson, Brian T](#)
Cc: [Frederiksen, Sean L](#); [Kenedy, Lance](#); [Pulliam, Tiffany A](#); [Brett Atherton](#); [Tyler Lira](#)
Subject: Harrington Gas Conversion - Cost Estimate Update
Date: Wednesday, April 14, 2021 6:18:00 PM
Attachments: [image004.png](#)

EXTERNAL - STOP & THINK before opening links and attachments.

Brian,

Per your request, we've refreshed the major project cost drivers since the original FEED was completed in 2Q 2020. This was probably a good exercise, as you'll see below that the cost of steel has experienced a significant increase since that time.

As background, we did speak with all of the pipe manufacturers as well as construction contractors solicited during the production of the FEED Study, and received valuable input from all of them. Regarding the construction cost, we did receive one quotation that was rather aggressive; but we attribute that to the current (somewhat) softness of pipeline lay activity.

Land acquisition cost should probably be considered as well, but was not performed for this exercise; and may be an exercise better suited for Siting and Land Rights.

Please let us know if you have any questions, or require any further clarification. Thank you.



David Oros
Sr. Project Manager
EN Engineering

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630-353-4109
doros@enengineering.com

DOCKET NO. 52485

APPLICATION OF SOUTHWESTERN	§	
PUBLIC SERVICE COMPANY TO	§	PUBLIC UTILITY COMMISSION
AMEND ITS CERTIFICATE OF	§	
CONVENIENCE AND NECESSITY TO	§	OF TEXAS
CONVERT HARRINGTON	§	
GENERATING STATION FROM	§	
COAL TO NATURAL GAS	§	

SPS-Sierra Club 01 (USB)