Appendix D

Topographic Survey Data and Channel Cross-Sections

Table D-1 – Topographic Survey Data

ExxonMobil Environmental Services Company
Mayflower Pipeline Incident Response, Mayflower, Arkansas
Downstream Areas Data Assessment Report

Point ID	Survey Date	Latitude[a]	Longitude[a]	Elevation[b]	Remarks
EOP	7/15/2013	34.96590034	-92.42017724	275.4	Edge of Pavement
EOP	7/15/2013	34.96634350	-92.42002401	276.6	Edge of Pavement
INV-24in-HDPE	7/15/2013	34.96615344	-92.42000700	268.9	24-inch diameter HDPE Pipe
INV-24in-HDPE	7/15/2013	34.96611599	-92.41995074	268.2	24-inch diameter HDPE Pipe
INV-24in-HDPE	7/15/2013	34.96608881	-92.41994559	267.2	24-inch diameter HDPE Pipe
INV-24in-HDPE	7/15/2013	34.96603250	-92.41994163	267.9	24-inch diameter HDPE Pipe
INV-24in-RCP	7/15/2013	34.96616599	-92.42002943	269.1	24-inch Reinforced Concrete Pipe
NATURAL-GRD	7/15/2013	34.96589535	-92.41995627	266.0	Natural Ground
NATURAL-GRD	7/15/2013	34.96602816	-92.41984882	266.9	Natural Ground
NATURAL-GRD	7/15/2013	34.96585600	-92.41973846	265.2	Natural Ground
NATURAL-GRD	7/15/2013	34.96582950	-92.41954007	265.1	Natural Ground
NATURAL-GRD	7/15/2013	34.96581273	-92.41938479	264.2	Natural Ground
NATURAL-GRD	7/15/2013	34.96451329	-92.41935270	279.6	Natural Ground
NATURAL-GRD	7/15/2013	34.96491521	-92.41928469	271.5	Natural Ground
NATURAL-GRD	7/15/2013	34.96625569	-92.41921019	263.7	Natural Ground
NATURAL-GRD	7/15/2013	34.96579113	-92.41919844	264.7	Natural Ground
NATURAL-GRD	7/15/2013	34.96550517	-92.41918328	264.7	Natural Ground
NATURAL-GRD	7/15/2013	34.96573939	-92.41914444	265.0	Natural Ground
NATURAL-GRD	7/15/2013	34.96604097	-92.41909293	263.4	Natural Ground
NATURAL-GRD	7/15/2013	34.96606187	-92.41908903	262.7	Natural Ground
NATURAL-GRD	7/15/2013	34.96617404	-92.41906792	263.7	Natural Ground
NATURAL-GRD	7/15/2013	34.96577251	-92.41902412	264.6	Natural Ground
NATURAL-GRD	7/15/2013	34.96666312	-92.41898167	269.0	Natural Ground
NATURAL-GRD	7/15/2013	34.96622852	-92.41896607	263.9	Natural Ground
NATURAL-GRD	7/15/2013	34.96470806	-92.41857373	272.1	Natural Ground
NATURAL-GRD	7/15/2013	34.96531180	-92.41854181	264.5	Natural Ground
NATURAL-GRD	7/15/2013	34.96553766	-92.41853563	264.3	Natural Ground
NATURAL-GRD	7/15/2013	34.96565307	-92.41853255	265.4	Natural Ground
NATURAL-GRD	7/15/2013	34.96585091	-92.41852590	263.5	Natural Ground
NATURAL-GRD	7/15/2013	34.96596109	-92.41852313	262.5	Natural Ground
NATURAL-GRD	7/15/2013	34.96668153	-92.41850849	271.6	Natural Ground
NATURAL-GRD	7/15/2013	34.96680757	-92.41797980	269.2	Natural Ground
NATURAL-GRD	7/15/2013	34.96620849	-92.41793666	263.2	Natural Ground

Table D-1 – Topographic Survey Data

ExxonMobil Environmental Services Company
Mayflower Pipeline Incident Response, Mayflower, Arkansas
Downstream Areas Data Assessment Report

Point ID	Survey Date	Latitude[a]	Longitude[a]	Elevation[b]	Remarks
NATURAL-GRD	7/15/2013	34.96607115	-92.41792761	263.9	Natural Ground
NATURAL-GRD	7/15/2013	34.96604012	-92.41792378	263.0	Natural Ground
NATURAL-GRD	7/15/2013	34.96597502	-92.41791977	262.1	Natural Ground
NATURAL-GRD	7/15/2013	34.96590717	-92.41791475	263.7	Natural Ground
NATURAL-GRD	7/15/2013	34.96508395	-92.41785777	268.1	Natural Ground
NATURAL-GRD	7/15/2013	34.96476360	-92.41785679	273.5	Natural Ground
NATURAL-GRD	7/15/2013	34.96692890	-92.41738166	273.4	Natural Ground
NATURAL-GRD	7/15/2013	34.96721764	-92.41691322	274.9	Natural Ground
NATURAL-GRD	7/15/2013	34.96523769	-92.41686866	262.1	Natural Ground
NATURAL-GRD	7/15/2013	34.96672170	-92.41660494	262.6	Natural Ground
NATURAL-GRD	7/15/2013	34.96737477	-92.41652686	268.2	Natural Ground
NATURAL-GRD	7/15/2013	34.96694710	-92.41633676	262.4	Natural Ground
NATURAL-GRD	7/15/2013	34.97040817	-92.41433921	264.0	Natural Ground
NATURAL-GRD	7/15/2013	34.96879724	-92.41364709	268.1	Natural Ground
CONC-HEADWALL	7/16/2013	34.96479921	-92.42047525	269.9	Concrete Headwall
CONC-HEADWALL	7/16/2013	34.96484514	-92.42046180	269.8	Concrete Headwall
CONC-HEADWALL	7/16/2013	34.96476939	-92.42043804	264.8	Concrete Headwall
CONC-HEADWALL	7/16/2013	34.96485377	-92.42042780	266.7	Concrete Headwall
CRANE-MAT-RD	7/16/2013	34.96610350	-92.41983219	270.2	Crane Mat Road
HARD-BOOM	7/16/2013	34.96638307	-92.41585625	262.2	Containment Boom
HARD-BOOM	7/16/2013	34.96620465	-92.41572884	262.3	Containment Boom
HARD-BOOM	7/16/2013	34.96588846	-92.41555601	262.4	Containment Boom
HARD-BOOM	7/16/2013	34.96568183	-92.41548519	261.1	Containment Boom
THALWAG	7/16/2013	34.96588736	-92.41555867	260.7	Thalweg
THALWAG	7/16/2013	34.96664585	-92.41510832	260.6	Thalweg
THALWAG	7/16/2013	34.97053803	-92.41492231	258.1	Thalweg
THALWAG	7/16/2013	34.96944749	-92.41446514	257.9	Thalweg
THALWAG	7/16/2013	34.96874640	-92.41436676	259.0	Thalweg
THALWAG	7/16/2013	34.96678092	-92.41434770	260.2	Thalweg
THALWAG	7/16/2013	34.96735403	-92.41411166	259.8	Thalweg
THALWAG	7/16/2013	34.96779101	-92.41391731	259.0	Thalweg
THICK-VEG	7/16/2013	34.96696795	-92.41618767	262.5	Thick Vegetation
TOB	7/16/2013	34.96452910	-92.42016947	275.8	Top of Bank

Table D-1 – Topographic Survey Data

ExxonMobil Environmental Services Company
Mayflower Pipeline Incident Response, Mayflower, Arkansas
Downstream Areas Data Assessment Report

Point ID	Survey Date	Latitude[a]	Longitude[a]	Elevation[b]	Remarks
TOB	7/16/2013	34.96589958	-92.42015988	274.6	Top of Bank
TOB	7/16/2013	34.96474686	-92.42012654	265.2	Top of Bank
TOB	7/16/2013	34.96482137	-92.42010990	266.5	Top of Bank
TOB	7/16/2013	34.96631898	-92.41957331	271.0	Top of Bank
TOB	7/16/2013	34.97039053	-92.41435447	263.3	Top of Bank
TOB	7/16/2013	34.96879451	-92.41372117	266.5	Top of Bank
TOE	7/16/2013	34.96465750	-92.42014376	266.1	Toe of Slope
TOE	7/16/2013	34.96476253	-92.42012262	262.2	Toe of Slope
TOE	7/16/2013	34.96479910	-92.42011546	262.7	Toe of Slope
TOE	7/16/2013	34.96590922	-92.42007449	267.7	Toe of Slope
TOE	7/16/2013	34.96629221	-92.41953078	266.0	Toe of Slope
TOE	7/16/2013	34.96511040	-92.41925132	261.9	Toe of Slope
TOE	7/16/2013	34.96514724	-92.41924451	261.9	Toe of Slope
TOE	7/16/2013	34.96559124	-92.41853457	262.3	Toe of Slope
TOE	7/16/2013	34.96560883	-92.41853433	261.8	Toe of Slope
TOE	7/16/2013	34.96644338	-92.41723565	262.3	Toe of Slope
TOE	7/16/2013	34.96641621	-92.41722516	262.5	Toe of Slope
TOE	7/16/2013	34.96695561	-92.41673431	262.7	Toe of Slope
TOE	7/16/2013	34.96689254	-92.41669927	261.9	Toe of Slope
TOE-END	7/16/2013	34.96547318	-92.41788314	263.3	Toe of Slope at End
TOE-END	7/16/2013	34.96546714	-92.41788178	263.3	Toe of Slope at End
TOE-ROCK-RD	7/16/2013	34.96619561	-92.41981197	269.7	Toe of Rock Road
TOE-ROCK-RD	7/16/2013	34.96631876	-92.41979392	271.0	Toe of Rock Road
TOE-ROCK-RD	7/16/2013	34.96630724	-92.41978885	270.8	Toe of Rock Road
TOP	7/16/2013	34.96509913	-92.41925260	264.0	Top of Slope
TOP	7/16/2013	34.96517280	-92.41924030	265.0	Top of Slope
TOP	7/16/2013	34.96562119	-92.41853406	263.4	Top of Slope
TOP	7/16/2013	34.96557998	-92.41853318	263.3	Top of Slope
TOP	7/16/2013	34.96645464	-92.41723604	263.0	Top of Slope
TOP	7/16/2013	34.96640881	-92.41722212	263.2	Top of Slope
TOP	7/16/2013	34.96697837	-92.41674644	263.6	Top of Slope
TOP	7/16/2013	34.96687581	-92.41668951	263.4	Top of Slope
TOP-END	7/16/2013	34.96547537	-92.41788516	263.6	Top of Slope at End

Table D-1 – Topographic Survey Data

ExxonMobil Environmental Services Company
Mayflower Pipeline Incident Response, Mayflower, Arkansas
Downstream Areas Data Assessment Report

Point ID	Survey Date	Latitude[a]	Longitude[a]	Elevation[b]	Remarks
TOP-END	7/16/2013	34.96545973	-92.41787940	263.7	Top of Slope at End
TOP-ROCK-RD	7/16/2013	34.96632629	-92.41984069	274.7	Top of Rock Road
TOP-ROCK-RD	7/16/2013	34.96622337	-92.41980744	273.8	Top of Rock Road
TOP-ROCK-RD	7/16/2013	34.96627562	-92.41979537	274.3	Top of Rock Road
TSED	7/16/2013	34.96621911	-92.41631132	261.4	Top of Sediment
TSED	7/16/2013	34.96602189	-92.41621653	261.4	Top of Sediment
TSED	7/16/2013	34.96584367	-92.41611115	261.1	Top of Sediment
TSED	7/16/2013	34.96567087	-92.41602715	261.0	Top of Sediment
TSED	7/16/2013	34.96638086	-92.41585791	261.1	Top of Sediment
TSED	7/16/2013	34.96620162	-92.41573016	261.1	Top of Sediment
TSED	7/16/2013	34.96568101	-92.41548352	261.1	Top of Sediment
TSED	7/16/2013	34.96646871	-92.41500828	260.6	Top of Sediment
TSED	7/16/2013	34.96626524	-92.41497420	260.6	Top of Sediment
TSED	7/16/2013	34.97039306	-92.41441824	259.5	Top of Sediment
TSED	7/16/2013	34.96681009	-92.41433250	260.4	Top of Sediment
TSED	7/16/2013	34.96651730	-92.41406934	260.0	Top of Sediment
TSED	7/16/2013	34.96635529	-92.41388261	260.9	Top of Sediment
WATER	7/16/2013	34.96520087	-92.41938563	262.1	Top of Water
WATER	7/16/2013	34.96521188	-92.41937767	262.0	Top of Water
WATER	7/16/2013	34.96516698	-92.41917619	262.4	Top of Water
WATER	7/16/2013	34.96514450	-92.41916339	262.2	Top of Water
WATER	7/16/2013	34.96613737	-92.41713895	261.9	Top of Water
WATER	7/16/2013	34.96610114	-92.41712909	261.8	Top of Water
WATER-EDGE	7/16/2013	34.96638058	-92.41641362	262.0	Edge of Water
WATER-EDGE	7/16/2013	34.96663098	-92.41606713	262.3	Edge of Water
WATER-EDGE	7/16/2013	34.96548331	-92.41592373	262.1	Edge of Water
WATER-EDGE	7/16/2013	34.96537966	-92.41586312	262.1	Edge of Water
WATER-EDGE	7/16/2013	34.97040997	-92.41548373	261.4	Edge of Water
WATER-EDGE	7/16/2013	34.96552708	-92.41542366	261.9	Edge of Water
WATER-EDGE	7/16/2013	34.96674732	-92.41516257	260.9	Edge of Water
WATER-EDGE	7/16/2013	34.96667095	-92.41507907	261.0	Edge of Water
WATER-EDGE	7/16/2013	34.96923872	-92.41492901	261.3	Edge of Water
WATER-EDGE	7/16/2013	34.96869905	-92.41470897	261.8	Edge of Water

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ExxonMobil Environmental Services Company
Mayflower Pipeline Incident Response, Mayflower, Arkansas
Downstream Areas Data Assessment Report

Point ID	Survey Date	Latitude[a]	Longitude[a]	Elevation[b]	Remarks
WATER-EDGE	7/16/2013	34.96686969	-92.41457545	261.0	Edge of Water
WATER-EDGE	7/16/2013	34.96753378	-92.41449073	261.0	Edge of Water
WATER-EDGE	7/16/2013	34.97038964	-92.41437249	261.8	Edge of Water
WATER-EDGE	7/16/2013	34.96783274	-92.41432071	261.4	Edge of Water
WATER-EDGE	7/16/2013	34.96960064	-92.41411413	263.1	Edge of Water
WATER-EDGE	7/16/2013	34.96652554	-92.41407071	261.6	Edge of Water
WATER-EDGE	7/16/2013	34.96628937	-92.41379750	262.3	Edge of Water
WATER-EDGE	7/16/2013	34.96877906	-92.41374045	261.6	Edge of Water
WATER-EDGE	7/16/2013	34.96781028	-92.41366842	259.9	Edge of Water
WATER-EDGE	7/16/2013	34.96733840	-92.41346709	261.8	Edge of Water
WATER-EDGE/THICK-VEG	7/16/2013	34.96561571	-92.41521885	261.9	Edge of Water/Thick Vegetation
WATER-STOP	7/16/2013	34.96611432	-92.41728869	261.9	Edge of Water
WATER-STOP	7/16/2013	34.96608527	-92.41726618	261.9	Edge of Water
WL/THICK-VEG	7/16/2013	34.96728208	-92.41639922	262.6	Wood Line/Thick Vegetation
WOOD-LINE	7/16/2013	34.96519753	-92.41994398	265.6	Wood Line
WOOD-LINE	7/16/2013	34.96554283	-92.41988435	265.3	Wood Line
WOOD-LINE	7/16/2013	34.96593587	-92.41984067	266.2	Wood Line
WOOD-LINE	7/16/2013	34.96651235	-92.41974553	273.0	Wood Line
WOOD-LINE	7/16/2013	34.96584816	-92.41962394	265.4	Wood Line
WOOD-LINE	7/16/2013	34.96631955	-92.41894051	264.3	Wood Line
WOOD-LINE	7/16/2013	34.96498480	-92.41855413	265.0	Wood Line
WOOD-LINE	7/16/2013	34.96629329	-92.41851450	263.9	Wood Line
WOOD-LINE	7/16/2013	34.96644939	-92.41795326	264.2	Wood Line
WOOD-LINE	7/16/2013	34.96534655	-92.41787381	264.4	Wood Line
WOOD-LINE	7/16/2013	34.96655701	-92.41726827	264.2	Wood Line
WOOD-LINE	7/16/2013	34.96698577	-92.41675115	263.9	Wood Line
WOOD-LINE	7/16/2013	34.96498954	-92.41672687	263.0	Wood Line
WOOD-LINE	7/16/2013	34.96722306	-92.41646367	262.6	Wood Line
WOOD-LINE	7/16/2013	34.96533612	-92.41582185	263.3	Wood Line
WOOD-LINE	7/16/2013	34.96551032	-92.41510717	262.4	Wood Line
BALLAST_13198	7/17/2013	34.96258598	-92.42571552	283.6	Ballast rock of rail
BALLAST_13198	7/17/2013	34.96323060	-92.42554302	282.1	Ballast rock of rail
BALLAST_13198	7/17/2013	34.96376994	-92.42538766	281.8	Ballast rock of rail

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ExxonMobil Environmental Services Company
Mayflower Pipeline Incident Response, Mayflower, Arkansas
Downstream Areas Data Assessment Report

Point ID	Survey Date	Latitude[a]	Longitude[a]	Elevation[b]	Remarks
BALLAST_13198	7/17/2013	34.96417846	-92.42524195	282.5	Ballast rock of rail
CL-CONC-DRAIN_13198	7/17/2013	34.96314724	-92.42634624	277.1	Centerline of Concrete Drain
CL-CONC-DRAIN_13198	7/17/2013	34.96306928	-92.42594334	275.8	Centerline of Concrete Drain
CLD_13198	7/17/2013	34.96381875	-92.42564690	277.5	Centerline of Ditch
CLD_13198	7/17/2013	34.96421968	-92.42539236	272.8	Centerline of Ditch
CLD_13198	7/17/2013	34.96443941	-92.42494795	267.9	Centerline of Ditch
CLD_13198	7/17/2013	34.96469903	-92.42355991	265.9	Centerline of Ditch
CLD_13198	7/17/2013	34.96442413	-92.42290433	266.8	Centerline of Ditch
CLD_13198	7/17/2013	34.96486750	-92.42284723	262.7	Centerline of Ditch
CLD_13198	7/17/2013	34.96489506	-92.42282168	264.8	Centerline of Ditch
CLD_13198	7/17/2013	34.96501968	-92.42277861	266.1	Centerline of Ditch
CLD_13198	7/17/2013	34.96488365	-92.42270781	263.2	Centerline of Ditch
CLD_13198	7/17/2013	34.96484669	-92.42243928	263.4	Centerline of Ditch
CLD_13198	7/17/2013	34.96496200	-92.42191790	263.3	Centerline of Ditch
CLD_13198	7/17/2013	34.96500364	-92.42132871	262.1	Centerline of Ditch
CLR_13198	7/17/2013	34.96261786	-92.42594464	280.6	Centerline of Road
CLR_13198	7/17/2013	34.96325924	-92.42575877	278.5	Centerline of Road
CLR_13198	7/17/2013	34.96380930	-92.42559846	278.4	Centerline of Road
CLR_13198	7/17/2013	34.96423754	-92.42547088	278.5	Centerline of Road
CMU-DRAIN-WALL_13198	7/17/2013	34.96313954	-92.42634820	279.4	Concrete Masonry Unit Drainage Wall
CMU-DRAIN-WALL_13198	7/17/2013	34.96315549	-92.42634495	280.0	Concrete Masonry Unit Drainage Wall
CMU-DRAIN-WALL_13198	7/17/2013	34.96306075	-92.42594529	276.8	Concrete Masonry Unit Drainage Wall
CMU-DRAIN-WALL_13198	7/17/2013	34.96307752	-92.42594171	276.7	Concrete Masonry Unit Drainage Wall
CONC-DRIVE_13198	7/17/2013	34.96321406	-92.42633157	281.0	Concrete Drive
CONC-DRIVE_13198	7/17/2013	34.96327895	-92.42631756	280.6	Concrete Drive
CONC-HEADWALL_13198	7/17/2013	34.96483411	-92.42273325	266.4	Concrete Headwall
CONC-HEADWALL_13198	7/17/2013	34.96491494	-92.42271665	266.6	Concrete Headwall
CONC-HEADWALL_13198	7/17/2013	34.96484689	-92.42269126	270.9	Concrete Headwall
CONC-HEADWALL_13198	7/17/2013	34.96489501	-92.42268250	271.0	Concrete Headwall
CONC-HEADWALL_13198	7/17/2013	34.96482582	-92.42251393	271.0	Concrete Headwall
CONC-HEADWALL_13198	7/17/2013	34.96487392	-92.42250617	271.0	Concrete Headwall
CONC-HEADWALL_13198	7/17/2013	34.96481133	-92.42249283	267.9	Concrete Headwall
CONC-HEADWALL_13198	7/17/2013	34.96488227	-92.42247551	267.6	Concrete Headwall

Table D-1 – Topographic Survey Data

ExxonMobil Environmental Services Company
Mayflower Pipeline Incident Response, Mayflower, Arkansas
Downstream Areas Data Assessment Report

Point ID	Survey Date	Latitude[a]	Longitude[a]	Elevation[b]	Remarks
CONC-HEADWALL_13198	7/17/2013	34.96496718	-92.42138359	266.1	Concrete Headwall
CONC-HEADWALL_13198	7/17/2013	34.96505329	-92.42135099	266.7	Concrete Headwall
CONC-HEADWALL_13198	7/17/2013	34.96497918	-92.42132891	270.8	Concrete Headwall
CONC-HEADWALL_13198	7/17/2013	34.96502540	-92.42131347	271.0	Concrete Headwall
EOP_13198	7/17/2013	34.96257507	-92.42592439	280.2	Edge of Pavement
EOP_13198	7/17/2013	34.96262183	-92.42591095	279.7	Edge of Pavement
EOP_13198	7/17/2013	34.96326489	-92.42579051	278.2	Edge of Pavement
EOP_13198	7/17/2013	34.96325578	-92.42572738	277.7	Edge of Pavement
EOP_13198	7/17/2013	34.96381523	-92.42563020	278.3	Edge of Pavement
EOP_13198	7/17/2013	34.96380337	-92.42556772	277.6	Edge of Pavement
EOP_13198	7/17/2013	34.96423188	-92.42544081	277.9	Edge of Pavement
INV-12in-CPP_13198	7/17/2013	34.96392655	-92.42561710	277.4	12-inch Corrugated Plastic Pipe
INV-12in-CPP_13198	7/17/2013	34.96399257	-92.42559642	277.4	12-inch Corrugated Plastic Pipe
INV-24in-CMP_13198	7/17/2013	34.96446143	-92.42253440	270.2	24-inch Corrugated Metal Pipe
INV-24in-CMP_13198	7/17/2013	34.96452740	-92.42252473	269.6	24-inch Corrugated Metal Pipe
INV-24in-CPP_13198	7/17/2013	34.96305053	-92.42588450	275.7	24-inch Corrugated Plastic Pipe
INV-24in-CPP_13198	7/17/2013	34.96305713	-92.42588287	275.7	24-inch Corrugated Plastic Pipe
INV-24in-CPP_13198	7/17/2013	34.96306428	-92.42588090	275.9	24-inch Corrugated Plastic Pipe
INV-24in-CPP_13198	7/17/2013	34.96302732	-92.42576790	275.4	24-inch Corrugated Plastic Pipe
INV-24in-CPP_13198	7/17/2013	34.96303254	-92.42576526	275.7	24-inch Corrugated Plastic Pipe
INV-24in-CPP_13198	7/17/2013	34.96303887	-92.42576462	275.3	24-inch Corrugated Plastic Pipe
INV-30in-CMP_13198	7/17/2013	34.96421216	-92.42294194	266.7	30-inch Corrugated Metal Pipe
INV-30in-CMP_13198	7/17/2013	34.96431194	-92.42292877	266.7	30-inch Corrugated Metal Pipe
INV-30in-CMP_13198	7/17/2013	34.96502132	-92.42277862	267.4	30-inch Corrugated Metal Pipe
INV-30in-CMP_13198	7/17/2013	34.96513213	-92.42275416	267.0	30-inch Corrugated Metal Pipe
INV-30in-RCP_13198	7/17/2013	34.96315902	-92.42643241	277.2	30-inch Reinforced Concrete Pipe
INV-60in-CMP_13198	7/17/2013	34.96452045	-92.42526043	272.3	60-inch Corrugated Metal Pipe
INV-60in-CMP_13198	7/17/2013	34.96444639	-92.42499405	272.6	60-inch Corrugated Metal Pipe
NATURAL-GRD/THICK-VEG_13198	7/17/2013	34.96437560	-92.42496965	270.7	Natural Ground/Thick Vegetation
NATURAL-GRD_13198	7/17/2013	34.96304881	-92.42636775	280.7	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96336804	-92.42629734	280.5	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96302693	-92.42595279	277.3	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96322655	-92.42591012	279.1	Natural Ground

Table D-1 – Topographic Survey Data

ExxonMobil Environmental Services Company
Mayflower Pipeline Incident Response, Mayflower, Arkansas
Downstream Areas Data Assessment Report

Point ID	Survey Date	Latitude[a]	Longitude[a]	Elevation[b]	Remarks
NATURAL-GRD_13198	7/17/2013	34.96336347	-92.42588214	279.7	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96419404	-92.42503177	272.7	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96470211	-92.42486022	272.2	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96474566	-92.42474364	272.0	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96430137	-92.42428541	270.4	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96467721	-92.42421328	271.8	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96436150	-92.42359920	269.0	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96480485	-92.42354645	273.2	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96501070	-92.42283129	267.5	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96507098	-92.42241008	268.0	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96470796	-92.42196497	266.8	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96514544	-92.42194188	266.0	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96501670	-92.42190884	267.0	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96496245	-92.42147868	266.5	Natural Ground
NATURAL-GRD_13198	7/17/2013	34.96522816	-92.42139128	265.4	Natural Ground
RAIL_13198	7/17/2013	34.96258613	-92.42575090	284.0	Railroad Tracks
RAIL_13198	7/17/2013	34.96258894	-92.42573356	283.9	Railroad Tracks
RAIL_13198	7/17/2013	34.96323437	-92.42556607	283.0	Railroad Tracks
RAIL_13198	7/17/2013	34.96323141	-92.42554970	283.0	Railroad Tracks
RAIL_13198	7/17/2013	34.96377400	-92.42540570	282.8	Railroad Tracks
RAIL_13198	7/17/2013	34.96418578	-92.42526903	283.2	Railroad Tracks
RAIL_13198	7/17/2013	34.96418171	-92.42525365	283.0	Railroad Tracks
THICK-VEG_13198	7/17/2013	34.96444255	-92.42289975	266.5	Thick Vegetation
THICK-VEG_13198	7/17/2013	34.96443624	-92.42281995	268.6	Thick Vegetation
THICK-VEG_13198	7/17/2013	34.96482446	-92.42274221	267.0	Thick Vegetation
TOB_13198	7/17/2013	34.96253639	-92.42590816	279.6	Top of Bank
TOB_13198	7/17/2013	34.96262659	-92.42588494	278.5	Top of Bank
TOB_13198	7/17/2013	34.96259838	-92.42578400	281.2	Top of Bank
TOB_13198	7/17/2013	34.96325310	-92.42570634	276.3	Top of Bank
TOB_13198	7/17/2013	34.96382118	-92.42565793	279.0	Top of Bank
TOB_13198	7/17/2013	34.96324561	-92.42565124	276.0	Top of Bank
TOB_13198	7/17/2013	34.96381713	-92.42563688	277.9	Top of Bank
TOB_13198	7/17/2013	34.96323461	-92.42557609	282.1	Top of Bank

Table D-1 – Topographic Survey Data

ExxonMobil Environmental Services Company
Mayflower Pipeline Incident Response, Mayflower, Arkansas
Downstream Areas Data Assessment Report

Point ID	Survey Date	Latitude[a]	Longitude[a]	Elevation[b]	Remarks
TOB_13198	7/17/2013	34.96380014	-92.42554868	275.8	Top of Bank
TOB_13198	7/17/2013	34.96378936	-92.42548989	275.5	Top of Bank
TOB_13198	7/17/2013	34.96377992	-92.42543911	280.8	Top of Bank
TOB_13198	7/17/2013	34.96422321	-92.42540439	274.5	Top of Bank
TOB_13198	7/17/2013	34.96421833	-92.42538601	274.0	Top of Bank
TOB_13198	7/17/2013	34.96419853	-92.42531348	280.0	Top of Bank
TOB_13198	7/17/2013	34.96442153	-92.42495520	271.3	Top of Bank
TOB_13198	7/17/2013	34.96445207	-92.42494402	271.4	Top of Bank
TOB_13198	7/17/2013	34.96457218	-92.42423376	270.0	Top of Bank
TOB_13198	7/17/2013	34.96464641	-92.42421913	269.6	Top of Bank
TOB_13198	7/17/2013	34.96464598	-92.42356564	268.2	Top of Bank
TOB_13198	7/17/2013	34.96472074	-92.42355769	266.6	Top of Bank
TOB_13198	7/17/2013	34.96478203	-92.42355100	272.4	Top of Bank
TOB_13198	7/17/2013	34.96442270	-92.42291967	267.8	Top of Bank
TOB_13198	7/17/2013	34.96442501	-92.42288831	267.8	Top of Bank
TOB_13198	7/17/2013	34.96486173	-92.42284720	265.3	Top of Bank
TOB_13198	7/17/2013	34.96488618	-92.42284633	266.3	Top of Bank
TOB_13198	7/17/2013	34.96489752	-92.42282703	266.3	Top of Bank
TOB_13198	7/17/2013	34.96490417	-92.42280971	266.3	Top of Bank
TOB_13198	7/17/2013	34.96502019	-92.42278996	267.4	Top of Bank
TOB_13198	7/17/2013	34.96501586	-92.42276891	267.7	Top of Bank
TOB_13198	7/17/2013	34.96479912	-92.42244871	267.2	Top of Bank
TOB_13198	7/17/2013	34.96487527	-92.42243676	266.4	Top of Bank
TOB_13198	7/17/2013	34.96493919	-92.42191811	266.7	Top of Bank
TOB_13198	7/17/2013	34.96499474	-92.42190305	265.9	Top of Bank
TOB_13198	7/17/2013	34.96503780	-92.42145705	266.2	Top of Bank
TOB_13198	7/17/2013	34.96507878	-92.42144658	264.5	Top of Bank
TOE_13198	7/17/2013	34.96260999	-92.42584013	276.9	Toe of Slope
TOE_13198	7/17/2013	34.96261112	-92.42583079	276.9	Toe of Slope
TOE_13198	7/17/2013	34.96324854	-92.42567561	274.9	Toe of Slope
TOE_13198	7/17/2013	34.96324747	-92.42566827	275.0	Toe of Slope
TOE_13198	7/17/2013	34.96324374	-92.42563487	276.4	Toe of Slope
TOE_13198	7/17/2013	34.96379367	-92.42551194	274.5	Toe of Slope

Table D-1 – Topographic Survey Data

ExxonMobil Environmental Services Company
Mayflower Pipeline Incident Response, Mayflower, Arkansas
Downstream Areas Data Assessment Report

Point ID	Survey Date	Latitude[a]	Longitude[a]	Elevation[b]	Remarks
TOE_13198	7/17/2013	34.96379017	-92.42549390	274.6	Toe of Slope
TOE_13198	7/17/2013	34.96378747	-92.42548087	276.0	Toe of Slope
TOE_13198	7/17/2013	34.96422049	-92.42539637	273.3	Toe of Slope
TOE_13198	7/17/2013	34.96421833	-92.42538768	273.2	Toe of Slope
TOE_13198	7/17/2013	34.96421127	-92.42536294	275.1	Toe of Slope
TOE_13198	7/17/2013	34.96442373	-92.42495388	269.4	Toe of Slope
TOE_13198	7/17/2013	34.96445069	-92.42494401	268.3	Toe of Slope
TOE_13198	7/17/2013	34.96459363	-92.42422920	267.0	Toe of Slope
TOE_13198	7/17/2013	34.96461782	-92.42422332	266.9	Toe of Slope
TOE_13198	7/17/2013	34.96467704	-92.42356213	266.4	Toe of Slope
TOE_13198	7/17/2013	34.96471195	-92.42355798	266.2	Toe of Slope
TOE_13198	7/17/2013	34.96473889	-92.42355478	267.3	Toe of Slope
TOE_13198	7/17/2013	34.96442274	-92.42290799	266.8	Toe of Slope
TOE_13198	7/17/2013	34.96442497	-92.42289866	266.8	Toe of Slope
TOE_13198	7/17/2013	34.96487518	-92.42285028	264.1	Toe of Slope
TOE_13198	7/17/2013	34.96486365	-92.42284788	262.7	Toe of Slope
TOE_13198	7/17/2013	34.96489698	-92.42282336	265.2	Toe of Slope
TOE_13198	7/17/2013	34.96490140	-92.42281570	265.0	Toe of Slope
TOE_13198	7/17/2013	34.96501856	-92.42278261	266.2	Toe of Slope
TOE_13198	7/17/2013	34.96501777	-92.42277326	266.0	Toe of Slope
TOE_13198	7/17/2013	34.96483128	-92.42244488	264.2	Toe of Slope
TOE_13198	7/17/2013	34.96486262	-92.42244037	263.7	Toe of Slope
TOE_13198	7/17/2013	34.96495018	-92.42191950	263.4	Toe of Slope
TOE_13198	7/17/2013	34.96497685	-92.42191430	263.4	Toe of Slope
TOE_13198	7/17/2013	34.96504466	-92.42146109	262.5	Toe of Slope
TOE_13198	7/17/2013	34.96507026	-92.42144787	262.7	Toe of Slope
TOE-ROCK-RD_13198	7/17/2013	34.96457400	-92.42247791	269.2	Toe of Rock Road
TOE-ROCK-RD-END_13198	7/17/2013	34.96479854	-92.42245705	266.3	Toe of Rock Road at End
TOP-ROCK-RD_13198	7/17/2013	34.96458394	-92.42246261	271.6	Top of Rock Road
TOP-ROCK-RD-END_13198	7/17/2013	34.96479500	-92.42244869	267.5	Top of Rock Road
WOOD-LINE_13198	7/17/2013	34.96435268	-92.42384012	268.7	Wood Line
WOOD-LINE_13198	7/17/2013	34.96436909	-92.42370637	269.1	Wood Line
WOOD-LINE_13198	7/17/2013	34.96455087	-92.42357850	269.9	Wood Line

Table D-1 – Topographic Survey Data

ExxonMobil Environmental Services Company
Mayflower Pipeline Incident Response, Mayflower, Arkansas
Downstream Areas Data Assessment Report

Point ID	Survey Date	Latitude[a]	Longitude[a]	Elevation[b]	Remarks
CLD_13199	7/18/2013	34.96481284	-92.42042659	261.7	Centerline of Ditch
CLD_13199	7/18/2013	34.96551192	-92.41811897	262.1	Centerline of Ditch
CLD-END_13199	7/18/2013	34.96588536	-92.41810154	262.2	End of Centerline of Ditch
INV-48in-CMP_13199	7/18/2013	34.97092197	-92.41496700	262.2	48-inch Corrugated Metal Pipe
INV-48in-CMP_13199	7/18/2013	34.97076734	-92.41495119	261.8	48-inch Corrugated Metal Pipe
INV-48in-CMP_13199	7/18/2013	34.97092176	-92.41494764	262.3	48-inch Corrugated Metal Pipe
INV-48in-CMP_13199	7/18/2013	34.97075834	-92.41493112	262.1	48-inch Corrugated Metal Pipe
NG_13199	7/18/2013	34.96594688	-92.41708491	263.1	Natural Ground
NG_13199	7/18/2013	34.96578387	-92.41703167	262.1	Natural Ground
NG_13199	7/18/2013	34.96557226	-92.41696817	262.3	Natural Ground
NG_13199	7/18/2013	34.96528271	-92.41688024	262.2	Natural Ground
STAFF-GAUGE@TSED_13199	7/18/2013	34.97071955	-92.41526302	261.1	Top of Sediment at Staff Gauge
STAFF-GAUGE-TOP_13199	7/18/2013	34.97071983	-92.41526236	267.8	Top of Staff Gauge
TOB_13199	7/18/2013	34.96479378	-92.42045553	263.3	Top of Bank
TOB_13199	7/18/2013	34.96482467	-92.42042098	263.1	Top of Bank
TOB_13199	7/18/2013	34.96552371	-92.41812604	262.8	Top of Bank
TOB_13199	7/18/2013	34.96549629	-92.41811088	262.5	Top of Bank
TOB-END_13199	7/18/2013	34.96588668	-92.41811890	262.8	End of Top of Bank
TOB-END_13199	7/18/2013	34.96588653	-92.41808319	263.2	End of Top of Bank
TOE_13199	7/18/2013	34.96479625	-92.42045587	262.1	Toe of Slope
TOE_13199	7/18/2013	34.96482357	-92.42042097	261.4	Toe of Slope
TOE_13199	7/18/2013	34.96552015	-92.41812302	262.3	Toe of Slope
TOE_13199	7/18/2013	34.96550261	-92.41810858	262.3	Toe of Slope
TOE-END_13199	7/18/2013	34.96588726	-92.41811023	262.2	Toe of Slope at End
TOE-END_13199	7/18/2013	34.96588621	-92.41809587	262.4	Toe of Slope at End
TOP-WATER_13199	7/18/2013	34.97092339	-92.41495332	262.1	Top of Water
WATER-EDGE_13199	7/18/2013	34.96544470	-92.41659671	261.8	Edge of Water
CLD_13217	8/5/2013	34.96481528	-92.42043595	261.4	Centerline of Ditch
CLD_13217	8/5/2013	34.96480930	-92.42033779	261.7	Centerline of Ditch
CLD_13217	8/5/2013	34.96477988	-92.42019012	261.0	Centerline of Ditch
CLD_13217	8/5/2013	34.96477200	-92.42008528	261.5	Centerline of Ditch
CLD_13217	8/5/2013	34.96473840	-92.41995161	262.3	Centerline of Ditch
CLD_13217	8/5/2013	34.96476235	-92.41986196	262.5	Centerline of Ditch

Table D-1 – Topographic Survey Data

ExxonMobil Environmental Services Company
Mayflower Pipeline Incident Response, Mayflower, Arkansas
Downstream Areas Data Assessment Report

Point ID	Survey Date	Latitude[a]	Longitude[a]	Elevation[b]	Remarks
CLD_13217	8/5/2013	34.96482259	-92.41976281	261.8	Centerline of Ditch
CLD_13217	8/5/2013	34.96487167	-92.41971233	261.8	Centerline of Ditch
CLD_13217	8/5/2013	34.96487195	-92.41971200	261.8	Centerline of Ditch
CLD_13217	8/5/2013	34.96514612	-92.41956290	262.2	Centerline of Ditch
CLD_13217	8/5/2013	34.96511651	-92.41954406	261.7	Centerline of Ditch
CLD_13217	8/5/2013	34.96517313	-92.41953867	261.8	Centerline of Ditch
CLD_13217	8/5/2013	34.96496168	-92.41950821	261.9	Centerline of Ditch
CLD_13217	8/5/2013	34.96508662	-92.41944912	261.8	Centerline of Ditch
CLD_13217	8/5/2013	34.96501087	-92.41942736	261.2	Centerline of Ditch
CLD_13217	8/5/2013	34.96505377	-92.41941490	260.8	Centerline of Ditch
CLD_13217	8/5/2013	34.96520356	-92.41940166	262.1	Centerline of Ditch
CLD_13217	8/5/2013	34.96519632	-92.41935056	261.6	Centerline of Ditch
CLD_13217	8/5/2013	34.96516099	-92.41931733	260.9	Centerline of Ditch
CLD_13217	8/5/2013	34.96513337	-92.41927981	261.7	Centerline of Ditch
CLD_13217	8/5/2013	34.96513544	-92.41923844	262.0	Centerline of Ditch
CLD_13217	8/5/2013	34.96519659	-92.41911560	262.1	Centerline of Ditch
CLD_13217	8/5/2013	34.96541703	-92.41901161	262.1	Centerline of Ditch
CLD_13217	8/5/2013	34.96538272	-92.41900275	261.8	Centerline of Ditch
CLD_13217	8/5/2013	34.96544844	-92.41898707	262.2	Centerline of Ditch
CLD_13217	8/5/2013	34.96524278	-92.41895096	261.7	Centerline of Ditch
CLD_13217	8/5/2013	34.96530738	-92.41894095	262.5	Centerline of Ditch
CLD_13217	8/5/2013	34.96527116	-92.41892608	262.1	Centerline of Ditch
CLD_13217	8/5/2013	34.96549828	-92.41887686	261.8	Centerline of Ditch
CLD_13217	8/5/2013	34.96550838	-92.41881516	262.1	Centerline of Ditch
CLD_13217	8/5/2013	34.96549129	-92.41875333	262.3	Centerline of Ditch
CLD_13217	8/5/2013	34.96550576	-92.41870201	261.8	Centerline of Ditch
CLD_13217	8/5/2013	34.96558617	-92.41857026	262.1	Centerline of Ditch
CLD_13217	8/5/2013	34.96566238	-92.41838508	262.1	Centerline of Ditch
CLD_13217	8/5/2013	34.96566481	-92.41831768	262.1	Centerline of Ditch
CLD_13217	8/5/2013	34.96563662	-92.41828683	261.9	Centerline of Ditch
CLD_13217	8/5/2013	34.96555260	-92.41826970	261.8	Centerline of Ditch
CLD_13217	8/5/2013	34.96548906	-92.41821230	261.8	Centerline of Ditch
CLD_13217	8/5/2013	34.96548868	-92.41816358	261.8	Centerline of Ditch

Table D-1 – Topographic Survey Data

ExxonMobil Environmental Services Company
Mayflower Pipeline Incident Response, Mayflower, Arkansas
Downstream Areas Data Assessment Report

Point ID	Survey Date	Latitude[a]	Longitude[a]	Elevation[b]	Remarks
CLD_13217	8/5/2013	34.96551001	-92.41811429	261.9	Centerline of Ditch
CLD_13217	8/5/2013	34.96586695	-92.41810345	262.0	Centerline of Ditch
CLD_13217	8/5/2013	34.96594035	-92.41808981	262.2	Centerline of Ditch
CLD_13217	8/5/2013	34.96581590	-92.41808817	262.2	Centerline of Ditch
CLD_13217	8/5/2013	34.96576962	-92.41804521	261.9	Centerline of Ditch
CLD_13217	8/5/2013	34.96565513	-92.41802259	262.2	Centerline of Ditch
CLD_13217	8/5/2013	34.96570023	-92.41801047	262.0	Centerline of Ditch
CLD_13217	8/5/2013	34.96567029	-92.41800765	262.0	Centerline of Ditch
CLD_13217	8/5/2013	34.96599148	-92.41784843	262.0	Centerline of Ditch

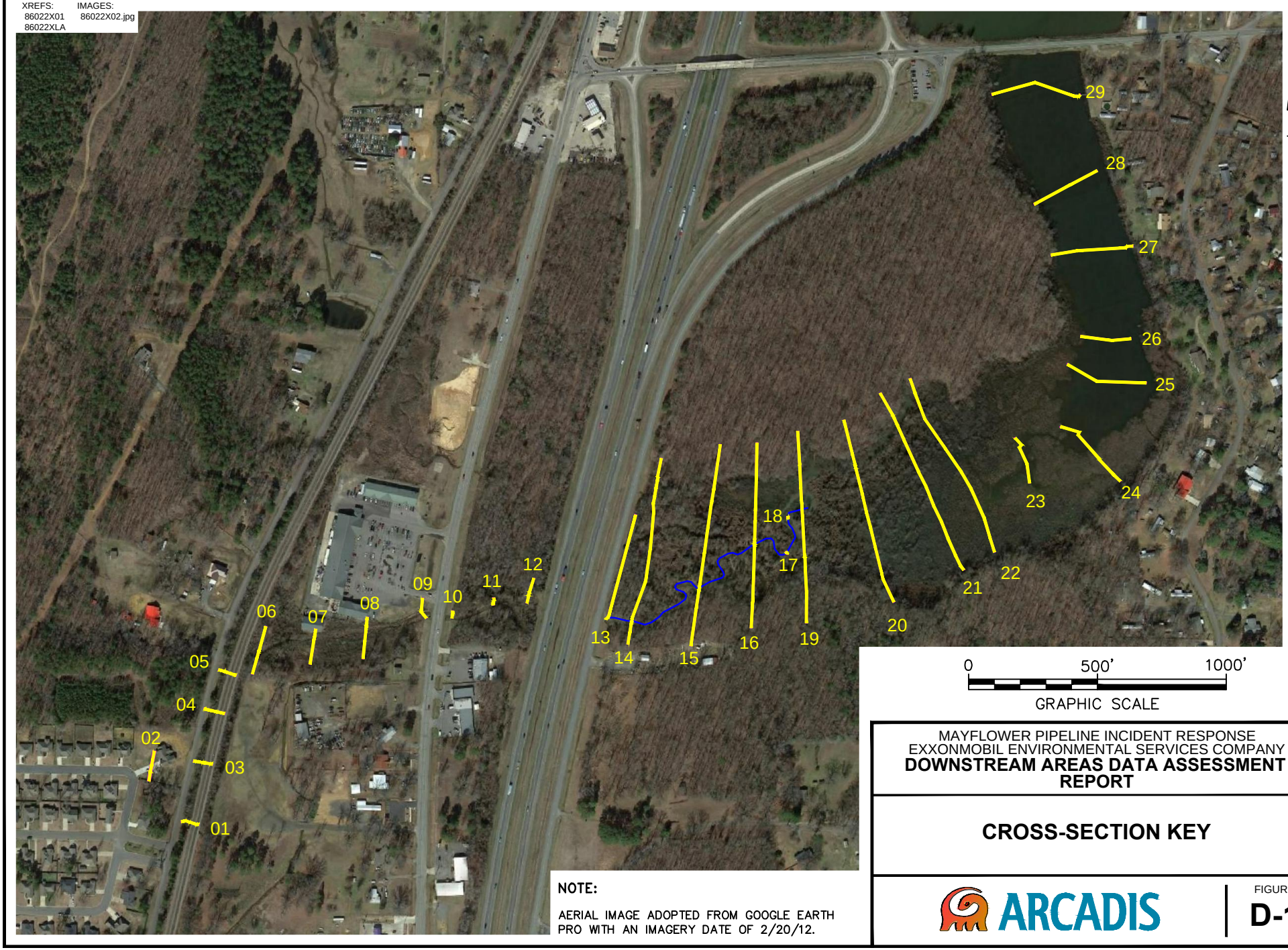
General Note:
1. The coordinates and elevations were obtained using Real-Time Kinematic GPS methods.

Superscript Notes:
a - Coordinates are based on the North American Datum of 1983 (NAD83), U.S. Survey Foot.
b - Elevations are based on the North American Vertical Datum of 1988 (NAVD88).

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS PM: (Reqd) LYR: ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACT\B0086022\1301\60006\CIV\86022G01.dwg LAYOUT: D-1 SAVED: 9/25/2013 9:22 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/25/2013 10:31 AM BY: SAMIOS, ALEX

XREFS:
86022X01
86022XLA

IMAGES:
86022X02.jpg



NOTE:

AERIAL IMAGE ADOPTED FROM GOOGLE EARTH PRO WITH AN IMAGERY DATE OF 2/20/12.

MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY

DOWNSTREAM AREAS DATA ASSESSMENT REPORT

CROSS-SECTION KEY

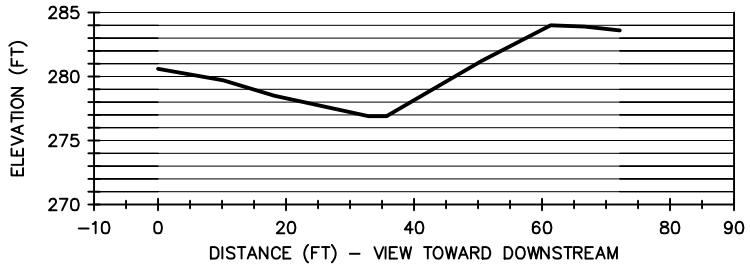
ARCADIS

FIGURE
D-1

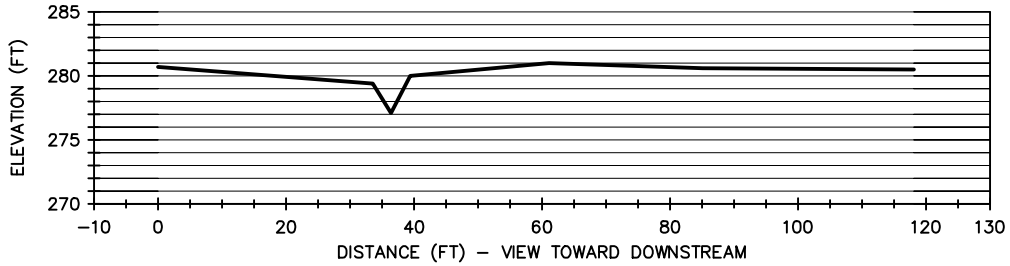
CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS PM: (Reqd) LYR: ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACT\B0086022\1301\60006\CIV\86022G02.dwg LAYOUT: D-2 SAVED: 9/25/2013 9:30 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 9/25/2013 10:31 AM BY: SAMIOS, ALEX

XREFS:
86022XLA
86022X01
86022XLB

IMAGES:
86022X02.jpg



SECTION 01



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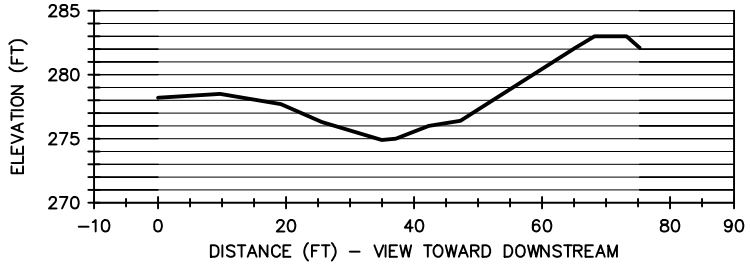

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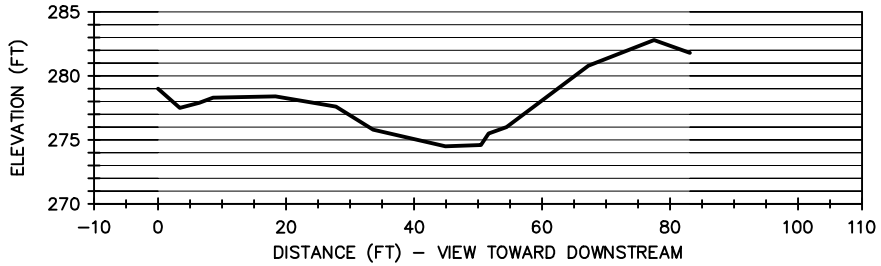
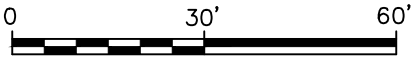


SECTION 04

NOTES:

1. COORDINATES ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83), ARKANSAS STATE PLANE, U.S. SURVEY FOOT. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). COORDINATES AND ELEVATIONS WERE OBTAINED USING REAL–TIME KINEMATIC GPS METHODS.
2. CROSS–SECTIONS WERE DEVELOPED BY PLOTTING SURVEY POINT ELEVATIONS AND CONNECTING ADJACENT POINTS WITH STRAIGHT LINES.



GRAPHIC SCALE
(2X VERTICAL EXAGGERATION)

MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

CROSS-SECTIONS 01-04

ARCADIS

FIGURE
D-2

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS PM: (Reqd) LYR: ON=*;OFF=*REF*
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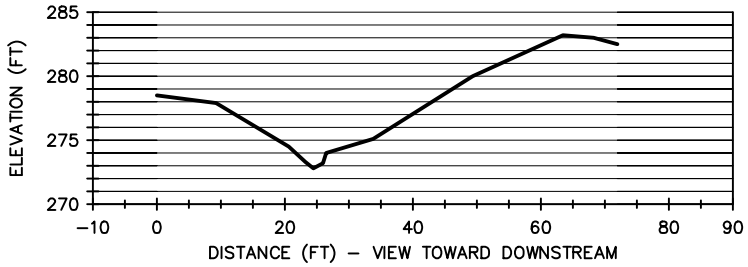
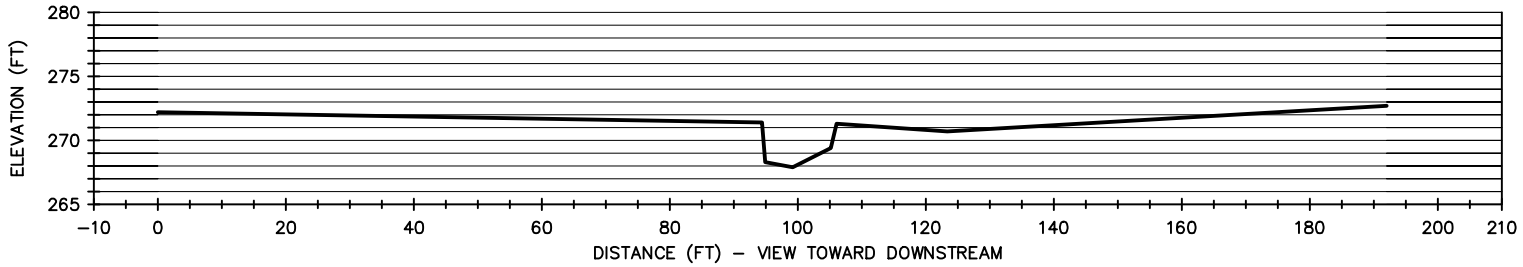
XREFS:
86022XLA
86022X01
86022XLB

IMAGES:
86022X02.jpg



SECTION 05



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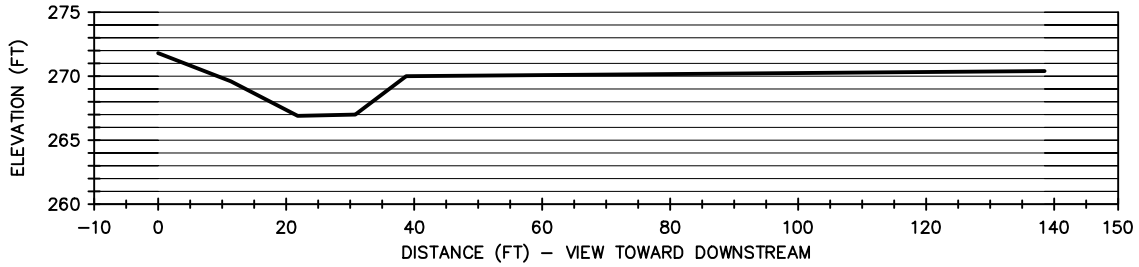

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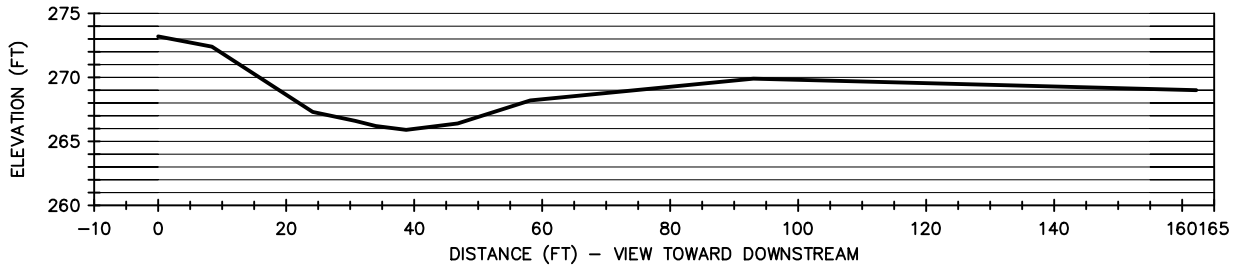
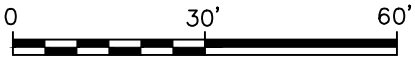


SECTION 08

NOTES:

1. COORDINATES ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83), ARKANSAS STATE PLANE, U.S. SURVEY FOOT. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). COORDINATES AND ELEVATIONS WERE OBTAINED USING REAL–TIME KINEMATIC GPS METHODS.
2. CROSS–SECTIONS WERE DEVELOPED BY PLOTTING SURVEY POINT ELEVATIONS AND CONNECTING ADJACENT POINTS WITH STRAIGHT LINES.



GRAPHIC SCALE
(2X VERTICAL EXAGGERATION)

MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

CROSS-SECTIONS 05-08

ARCADIS

FIGURE
D-3

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS PM: (Reqd) LYR: ON=*;OFF=*REF*
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XREFS:
86022XLA
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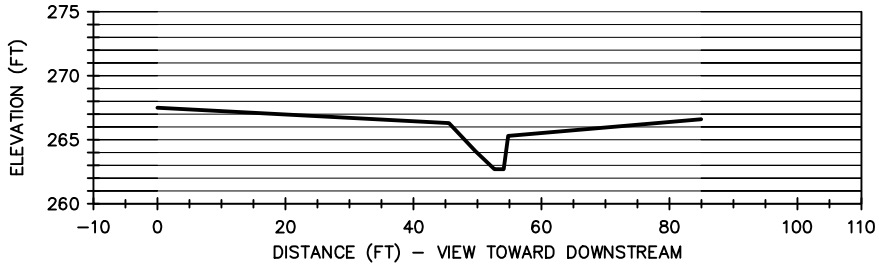
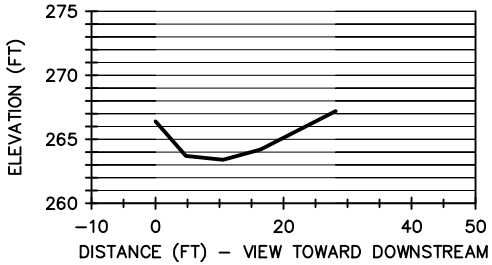
86022XLB

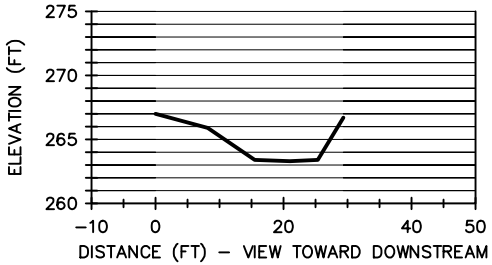
IMAGES:
86022X02.jpg



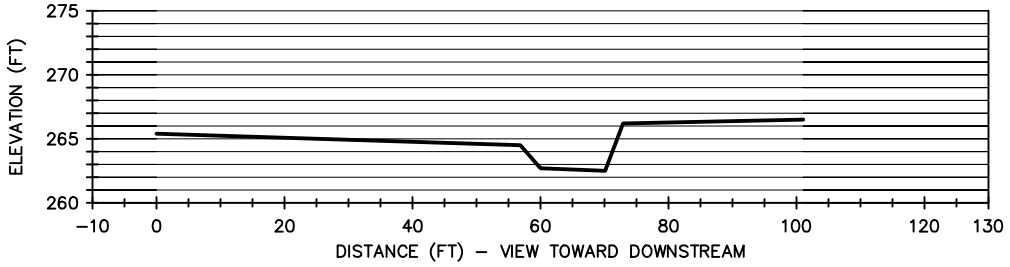
SECTION 09



SECTION 10



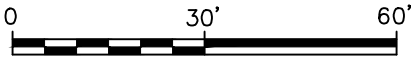
SECTION 11



SECTION 12

NOTES:

1. COORDINATES ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83), ARKANSAS STATE PLANE, U.S. SURVEY FOOT. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). COORDINATES AND ELEVATIONS WERE OBTAINED USING REAL–TIME KINEMATIC GPS METHODS.
2. CROSS–SECTIONS WERE DEVELOPED BY PLOTTING SURVEY POINT ELEVATIONS AND CONNECTING ADJACENT POINTS WITH STRAIGHT LINES.



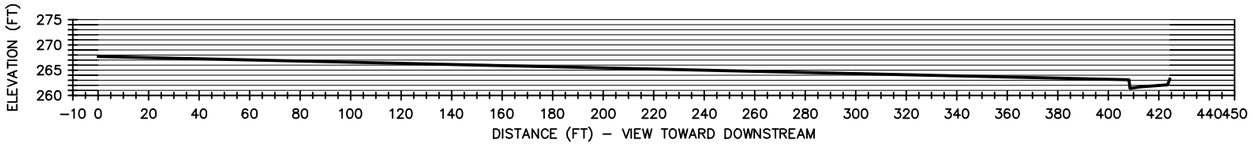
GRAPHIC SCALE
(2X VERTICAL EXAGGERATION)

MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

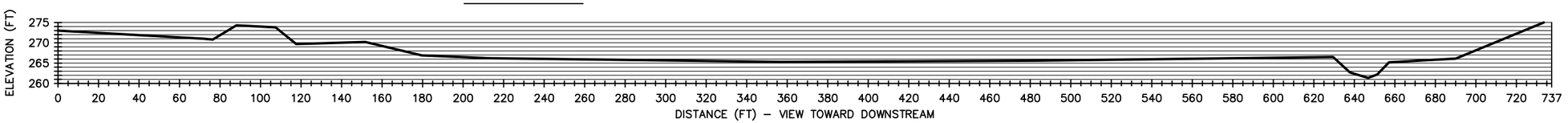
CROSS-SECTIONS 09-12

ARCADIS

FIGURE
D-4



SECTION 13



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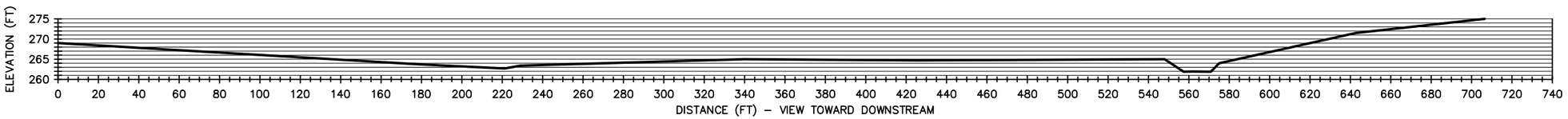
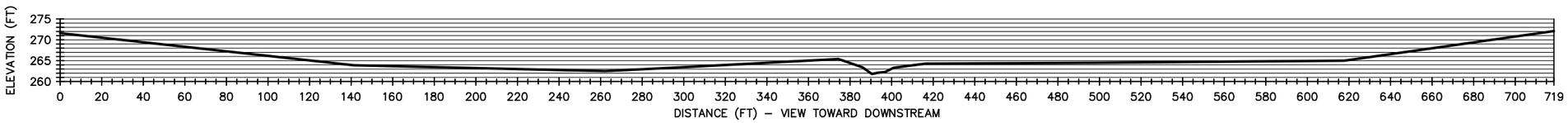
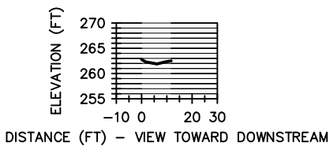


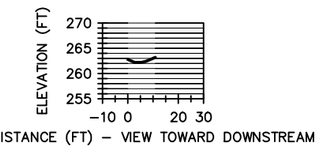
SECTION 15



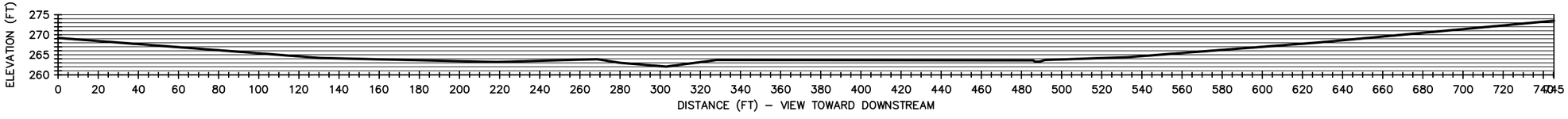
SECTION 16



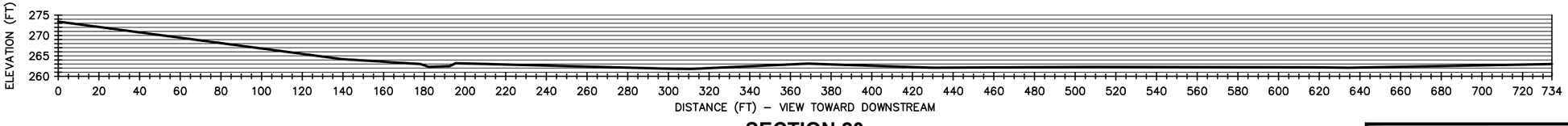
SECTION 17



SECTION 18



SECTION 19



SECTION 20

NOTES:

1. COORDINATES ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83), ARKANSAS STATE PLANE, U.S. SURVEY FOOT. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). COORDINATES AND ELEVATIONS WERE OBTAINED USING REAL–TIME KINEMATIC GPS METHODS.
2. CROSS–SECTIONS WERE DEVELOPED BY PLOTTING SURVEY POINT ELEVATIONS AND CONNECTING ADJACENT POINTS WITH STRAIGHT LINES.

GRAPHIC SCALE
(2X VERTICAL EXAGGERATION)

IMAGES:
86022X02.jpg

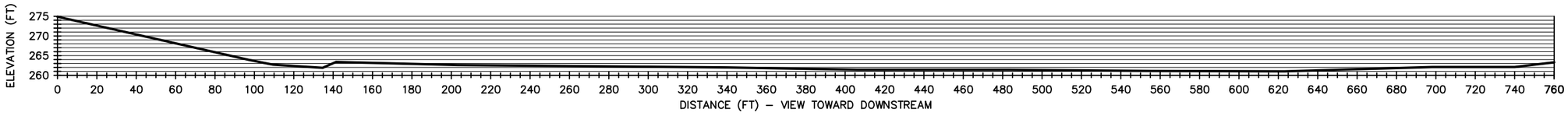
XREFS:
86022X1A
86022X01
86022X1B

MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

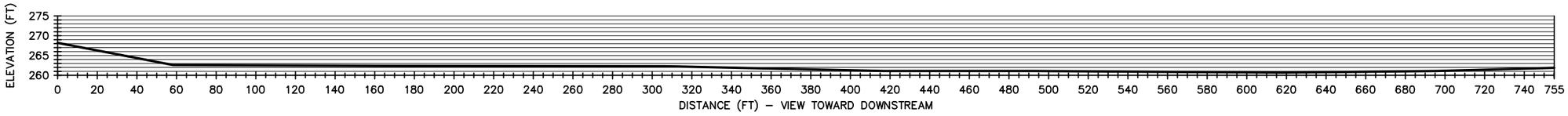
CROSS-SECTIONS 13-20

ARCADIS

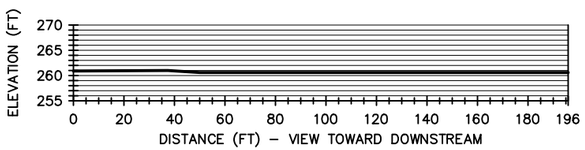
FIGURE
D-5



SECTION 21



SECTION 22



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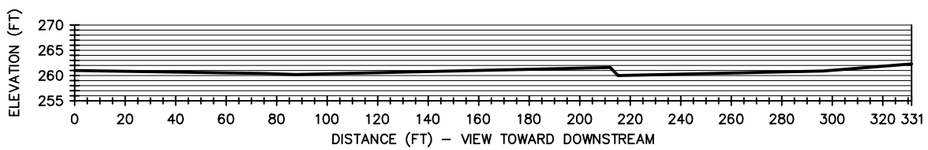

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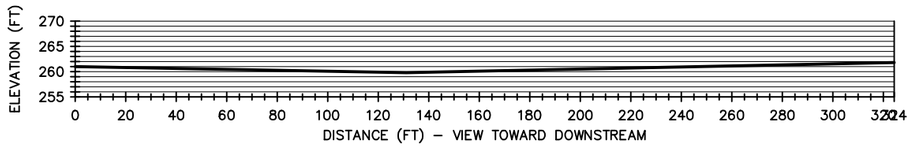
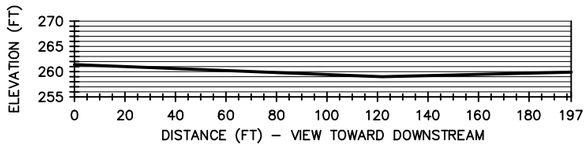
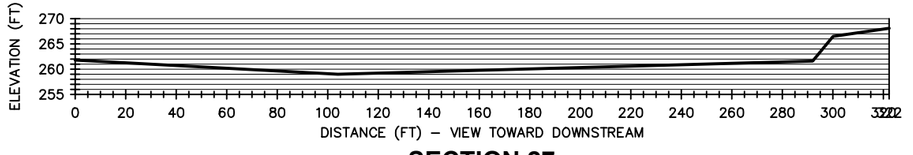


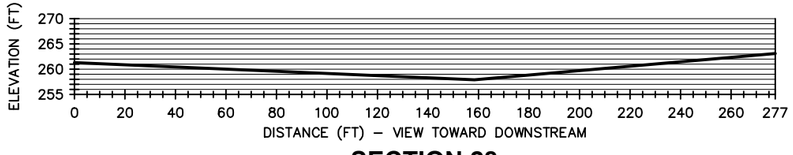
SECTION 25



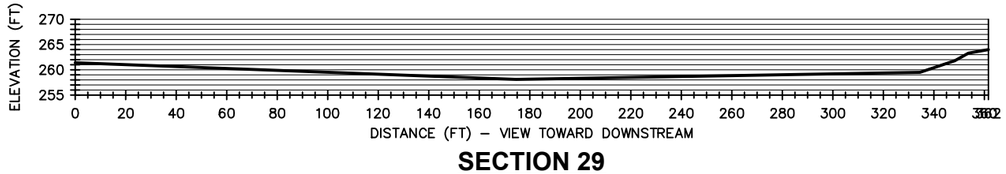
SECTION 26



SECTION 27



SECTION 28



SECTION 29

NOTES:

1. COORDINATES ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83), ARKANSAS STATE PLANE, U.S. SURVEY FOOT. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). COORDINATES AND ELEVATIONS WERE OBTAINED USING REAL–TIME KINEMATIC GPS METHODS.
2. CROSS–SECTIONS WERE DEVELOPED BY PLOTTING SURVEY POINT ELEVATIONS AND CONNECTING ADJACENT POINTS WITH STRAIGHT LINES.

0 60' 120'

GRAPHIC SCALE
(2X VERTICAL EXAGGERATION)

IMAGES:
86022X02.jpg

XREFS:
86022XLA
86022X01
86022XLB

MAYFLOWER PIPELINE INCIDENT RESPONSE
EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY
DOWNSTREAM AREAS DATA ASSESSMENT REPORT

CROSS-SECTIONS 21-29

ARCADIS

FIGURE
D-6