

4110-28-00

USH 45

Fond du Lac County

Reditching Cost Estimate

Item	Quantity	Unit Cost	Total Cost	Notes
R/E Costs	368 Parcels		\$1,000,000	5 feet of R/W on both sides of road
DW Culverts	10,000 LF	40	\$400,000	308 Culverts x Avg Length of 33'
Cross Culverts	1,400 LF	50	\$70,000	21 Cross Culverts x Avg Length of 65'
Common Ex	20,000 CY	12	\$240,000	
Driveway Asphalt	4,500 TONS	100	\$450,000	300 DW's: 600 SF x 4" Depth = 15 Tons/DW
			\$2,160,000	

Attachment A

Real Estate Cost

Dums, Alex T - DOT

From: Van Erem, Curtis - DOT
Sent: Friday, December 27, 2019 2:56 PM
To: Dums, Alex T - DOT
Cc: Learst, Bryan - DOT
Subject: RE: 4110-28-00 R/E Cost Estimate

Categories: Real Estate

Alex

This is my best quick review.

Total parcels 368

- West improved = 71
- West non-improved = 25
- East non-water front = 68
- East non-improved = 4
- East Improved water front = 186
- East non-improved water front = 14

There are two homes that are very close to the right of way (value is approx. \$400,000). Any additional land might be a buyout or higher proximity damages. The water frontage sells by the front foot although this is away from the lake, it will still be expensive. \$330 a front foot.

We will have a lot of landscaping, fencing and several signs.

My best guess without digging in with slope intercept mapping is \$750,000 to \$1,000,000 for real estate. This could be low if the right of way is wider than 5 feet.

Note: You have a contaminated site in North Fond du Lac on the east side. There is one cemetery.

From: Dums, Alex T - DOT
Sent: Wednesday, December 18, 2019 9:28 AM
To: Van Erem, Curtis - DOT <Curtis.VanErem@dot.wi.gov>
Subject: RE: 4110-28-00 R/E Cost Estimate

I examined the file and it obviously varies, but I would say 5 feet on both sides is a safe estimate.

From: Van Erem, Curtis - DOT
Sent: Tuesday, December 17, 2019 3:28 PM
To: Dums, Alex T - DOT <Alex.Dums@dot.wi.gov>
Subject: RE: 4110-28-00 R/E Cost Estimate

Alex

How many feet on each side would you guess we need to acquire?

Curt

From: Dums, Alex T - DOT
Sent: Friday, December 13, 2019 8:45 AM
To: Van Erem, Curtis - DOT <Curtis.VanErem@dot.wi.gov>
Cc: Learst, Bryan - DOT <Bryan.Learst@dot.wi.gov>
Subject: 4110-28-00 R/E Cost Estimate

Hey Curt,

I am putting together a cost estimate for an alternative for the USH 45 project in Fond du Lac County. The alternative I'm looking at involves reditching the entire 7-mile corridor so strip right of way would be needed for the entire project length on both sides of the road between Scott Street and the north county line of Fond du Lac County along USH 45. The total area I estimated through preliminary design was approximately 5 acres of ROW needs. I have attached a project location map for your reference. Please let me know if you need any additional information.

Thanks,

Alex Dums, P.E.
Civil Engineer
Wisconsin Department of Transportation
Northeast Region
Phone: (920) 492-5707
E-Mail: alex.dums@dot.wi.gov
wisconsindot.gov

<< File: 4110-28-00 USH 45 PROJECT LOCATION MAP 12-13-19.pdf >>

Attachment B

Driveway Culvert Locations

PAY_ITEM_ID	DESCRIPTION	QUANTITY	UNIT	BASELINE	START_STATION	END_STATION	START_OFFSET	END_OFFSET	REMARKS
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	221.182	LF	ALI-Exist-USH 45_4110-28-00_Ayres	675+12.74	677+33.33	29.711 LT	31.624 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	188.512	LF	ALI-Exist-USH 45_4110-28-00_Ayres	789+73.42	791+61.93	27.701 RT	27.747 RT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	168.327	LF	ALI-Exist-USH 45_4110-28-00_Ayres	817+57.48	819+18.92	56.012 RT	87.031 RT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	101.034	LF	ALI-Exist-USH 45_4110-28-00_Ayres	716+67.82	717+70.76	25.563 LT	31.154 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	88.381	LF	ALI-Exist-USH 45_4110-28-00_Ayres	516+74.47	517+62.85	33.000 RT	33.000 RT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	85.809	LF	ALI-Exist-USH 45_4110-28-00_Ayres	755+29.61	756+15.54	24.080 LT	24.386 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	84.151	LF	ALI-Exist-USH 45_4110-28-00_Ayres	733+99.80	734+83.70	34.323 LT	27.904 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	83.586	LF	ALI-Exist-USH 45_4110-28-00_Ayres	727+16.43	728+00.02	35.614 LT	35.211 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	79.567	LF	ALI-Exist-USH 45_4110-28-00_Ayres	875+78.02	876+57.14	92.294 LT	83.864 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	77.04	LF	ALI-Exist-USH 45_4110-28-00_Ayres	741+69.06	742+46.10	34.376 LT	33.768 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	76.646	LF	ALI-Exist-USH 45_4110-28-00_Ayres	753+89.23	754+66.06	27.567 LT	29.857 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	70.43	LF	ALI-Exist-USH 45_4110-28-00_Ayres	814+53.56	815+24.80	32.173 LT	32.094 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	67.559	LF	ALI-Exist-USH 45_4110-28-00_Ayres	743+54.65	744+22.19	34.432 LT	33.081 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	66.582	LF	ALI-Exist-USH 45_4110-28-00_Ayres	695+64.98	696+31.56	29.075 LT	29.302 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	64.821	LF	ALI-Exist-USH 45_4110-28-00_Ayres	725+63.01	726+27.82	29.423 RT	30.083 RT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	63.585	LF	ALI-Exist-USH 45_4110-28-00_Ayres	583+92.72	584+55.97	36.137 LT	29.647 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	61.278	LF	ALI-Exist-USH 45_4110-28-00_Ayres	756+62.81	757+24.07	24.959 LT	26.674 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	59.234	LF	ALI-Exist-USH 45_4110-28-00_Ayres	610+65.45	611+24.44	25.952 LT	25.625 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	58.743	LF	ALI-Exist-USH 45_4110-28-00_Ayres	593+91.35	594+50.10	28.875 LT	28.725 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	58.524	LF	ALI-Exist-USH 45_4110-28-00_Ayres	790+90.97	791+49.48	29.192 LT	27.713 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	54.476	LF	ALI-Exist-USH 45_4110-28-00_Ayres	822+70.80	823+26.06	47.343 LT	44.150 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	53.586	LF	ALI-Exist-USH 45_4110-28-00_Ayres	543+01.38	543+54.96	28.324 LT	27.689 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	53.211	LF	ALI-Exist-USH 45_4110-28-00_Ayres	739+08.50	739+62.56	33.009 RT	30.664 RT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	52.435	LF	ALI-Exist-USH 45_4110-28-00_Ayres	771+93.02	772+45.38	30.024 LT	27.103 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	52.087	LF	ALI-Exist-USH 45_4110-28-00_Ayres	514+14.28	514+66.81	32.258 LT	32.286 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	51.983	LF	ALI-Exist-USH 45_4110-28-00_Ayres	683+20.72	683+72.70	30.671 LT	30.312 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	51.868	LF	ALI-Exist-USH 45_4110-28-00_Ayres	711+90.16	712+42.03	27.219 LT	27.099 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	51.563	LF	ALI-Exist-USH 45_4110-28-00_Ayres	641+85.24	642+36.80	32.974 LT	32.192 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	51.117	LF	ALI-Exist-USH 45_4110-28-00_Ayres	781+68.56	782+19.65	28.777 RT	30.456 RT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	50.499	LF	ALI-Exist-USH 45_4110-28-00_Ayres	648+50.19	649+00.69	34.587 LT	35.139 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	49.784	LF	ALI-Exist-USH 45_4110-28-00_Ayres	662+35.73	662+85.52	25.581 LT	25.583 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	49.752	LF	ALI-Exist-USH 45_4110-28-00_Ayres	784+21.16	784+70.91	29.263 RT	29.304 RT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	49.265	LF	ALI-Exist-USH 45_4110-28-00_Ayres	696+76.31	697+25.57	28.069 LT	28.667 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	49.041	LF	ALI-Exist-USH 45_4110-28-00_Ayres	543+57.36	544+06.39	27.632 RT	26.879 RT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	48.889	LF	ALI-Exist-USH 45_4110-28-00_Ayres	639+86.57	640+35.46	32.687 LT	32.591 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	48.855	LF	ALI-Exist-USH 45_4110-28-00_Ayres	539+96.62	540+44.27	35.057 LT	32.023 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	48.674	LF	ALI-Exist-USH 45_4110-28-00_Ayres	745+10.57	745+59.23	28.120 LT	29.178 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	48.564	LF	ALI-Exist-USH 45_4110-28-00_Ayres	693+72.75	694+21.31	29.560 LT	29.145 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	48.06	LF	ALI-Exist-USH 45_4110-28-00_Ayres	771+73.63	772+21.69	32.593 RT	32.816 RT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	48.05	LF	ALI-Exist-USH 45_4110-28-00_Ayres	815+42.23	815+89.59	36.952 RT	39.227 RT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	47.202	LF	ALI-Exist-USH 45_4110-28-00_Ayres	597+87.38	598+34.57	28.989 LT	30.036 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	47.001	LF	ALI-Exist-USH 45_4110-28-00_Ayres	661+33.77	661+80.67	36.652 RT	33.506 RT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	46.021	LF	ALI-Exist-USH 45_4110-28-00_Ayres	510+04.71	510+50.33	33.000 RT	33.000 RT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	45.985	LF	ALI-Exist-USH 45_4110-28-00_Ayres	825+38.37	825+85.00	40.407 LT	39.640 LT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	45.566	LF	ALI-Exist-USH 45_4110-28-00_Ayres	609+49.09	609+94.66	26.166 RT	26.240 RT	
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	43.951	LF	ALI-Exist-USH 45_4110-28-00_Ayres	824+38.75	824+80.64	76.379 RT	85.127 RT	

608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	43.904 LF	ALI-Exist-USH 45_4110-28-00_Ayres	699+91.27	700+35.17	29.917 LT	29.336 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	43.655 LF	ALI-Exist-USH 45_4110-28-00_Ayres	690+09.92	690+52.98	38.633 LT	39.699 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	43.423 LF	ALI-Exist-USH 45_4110-28-00_Ayres	538+45.34	538+87.63	38.138 LT	38.667 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	43.399 LF	ALI-Exist-USH 45_4110-28-00_Ayres	705+78.44	706+21.83	28.359 LT	29.230 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	43.068 LF	ALI-Exist-USH 45_4110-28-00_Ayres	730+43.75	730+86.80	29.821 LT	28.689 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	42.709 LF	ALI-Exist-USH 45_4110-28-00_Ayres	554+24.76	554+67.69	32.180 LT	32.711 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	41.966 LF	ALI-Exist-USH 45_4110-28-00_Ayres	644+63.83	645+05.79	34.237 RT	34.148 RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	41.648 LF	ALI-Exist-USH 45_4110-28-00_Ayres	723+46.98	723+88.62	29.562 LT	28.865 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	41.376 LF	ALI-Exist-USH 45_4110-28-00_Ayres	660+78.61	661+19.99	27.806 LT	27.455 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	40.465 LF	ALI-Exist-USH 45_4110-28-00_Ayres	650+04.91	650+45.36	32.268 LT	31.394 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	40.458 LF	ALI-Exist-USH 45_4110-28-00_Ayres	766+68.24	767+08.69	29.644 LT	30.549 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	40.156 LF	ALI-Exist-USH 45_4110-28-00_Ayres	714+19.41	714+59.56	28.637 LT	27.759 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	40.019 LF	ALI-Exist-USH 45_4110-28-00_Ayres	765+19.11	765+59.10	29.803 LT	28.289 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	39.993 LF	ALI-Exist-USH 45_4110-28-00_Ayres	816+61.23	817+01.65	31.460 LT	33.182 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	39.941 LF	ALI-Exist-USH 45_4110-28-00_Ayres	681+11.87	681+51.80	30.450 LT	29.951 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	39.767 LF	ALI-Exist-USH 45_4110-28-00_Ayres	713+33.59	713+73.30	27.307 LT	29.433 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	39.469 LF	ALI-Exist-USH 45_4110-28-00_Ayres	524+28.17	524+68.09	32.519 LT	33.120 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	39.304 LF	ALI-Exist-USH 45_4110-28-00_Ayres	802+88.91	803+28.21	30.982 LT	30.826 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	39.245 LF	ALI-Exist-USH 45_4110-28-00_Ayres	812+39.81	812+79.06	30.981 RT	30.668 RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	39.154 LF	ALI-Exist-USH 45_4110-28-00_Ayres	798+83.08	799+22.24	30.757 LT	30.936 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	38.662 LF	ALI-Exist-USH 45_4110-28-00_Ayres	657+48.44	657+87.10	32.947 LT	32.746 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	38.611 LF	ALI-Exist-USH 45_4110-28-00_Ayres	728+77.90	729+16.51	30.158 LT	30.133 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	38.553 LF	ALI-Exist-USH 45_4110-28-00_Ayres	598+84.10	599+22.65	32.388 RT	32.910 RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	38.528 LF	ALI-Exist-USH 45_4110-28-00_Ayres	709+36.76	709+75.28	26.705 LT	27.327 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	38.379 LF	ALI-Exist-USH 45_4110-28-00_Ayres	503+96.29	504+34.20	37.010 RT	36.869 RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	38.046 LF	ALI-Exist-USH 45_4110-28-00_Ayres	733+02.37	733+40.40	23.419 RT	24.603 RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	37.973 LF	ALI-Exist-USH 45_4110-28-00_Ayres	751+85.92	752+23.88	28.505 RT	27.398 RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	37.904 LF	ALI-Exist-USH 45_4110-28-00_Ayres	771+18.44	771+56.33	33.156 LT	34.143 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	37.044 LF	ALI-Exist-USH 45_4110-28-00_Ayres	628+96.07	629+33.11	27.796 LT	28.329 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	36.842 LF	ALI-Exist-USH 45_4110-28-00_Ayres	668+30.72	668+67.56	29.504 LT	29.743 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	36.64 LF	ALI-Exist-USH 45_4110-28-00_Ayres	556+67.74	557+04.36	28.743 LT	27.375 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	36.316 LF	ALI-Exist-USH 45_4110-28-00_Ayres	703+86.76	704+23.07	26.634 RT	27.480 RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	36.23 LF	ALI-Exist-USH 45_4110-28-00_Ayres	638+15.55	638+51.78	33.896 LT	33.909 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	35.909 LF	ALI-Exist-USH 45_4110-28-00_Ayres	650+44.85	650+80.75	31.652 RT	31.488 RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	35.629 LF	ALI-Exist-USH 45_4110-28-00_Ayres	658+16.98	658+52.61	26.476 LT	26.886 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	35.592 LF	ALI-Exist-USH 45_4110-28-00_Ayres	708+70.82	709+06.42	28.973 LT	29.233 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	35.345 LF	ALI-Exist-USH 45_4110-28-00_Ayres	601+26.14	601+61.48	31.496 RT	32.179 RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	35.123 LF	ALI-Exist-USH 45_4110-28-00_Ayres	626+01.92	626+37.04	28.403 LT	28.191 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	34.817 LF	ALI-Exist-USH 45_4110-28-00_Ayres	507+45.77	507+80.89	33.148 LT	33.419 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	34.702 LF	ALI-Exist-USH 45_4110-28-00_Ayres	656+71.49	657+06.19	32.580 LT	32.789 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	34.563 LF	ALI-Exist-USH 45_4110-28-00_Ayres	647+33.69	647+68.26	35.606 RT	35.651 RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	34.26 LF	ALI-Exist-USH 45_4110-28-00_Ayres	753+17.43	753+51.78	28.657 LT	29.723 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	34.032 LF	ALI-Exist-USH 45_4110-28-00_Ayres	542+95.25	543+29.26	42.784 RT	41.808 RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	33.967 LF	ALI-Exist-USH 45_4110-28-00_Ayres	674+18.72	674+52.67	27.836 LT	28.860 LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	33.719 LF	ALI-Exist-USH 45_4110-28-00_Ayres	642+46.14	642+79.86	33.268 RT	32.583 RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	33.57 LF	ALI-Exist-USH 45_4110-28-00_Ayres	522+35.18	522+68.42	27.766 RT	26.783 RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	33.12 LF	ALI-Exist-USH 45_4110-28-00_Ayres	806+92.70	807+25.82	32.973 LT	33.058 LT

608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	33.067	LF	ALI-Exist-USH 45_4110-28-00_Ayres	702+17.54	702+50.61	28.253	RT	28.615	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	32.793	LF	ALI-Exist-USH 45_4110-28-00_Ayres	701+04.19	701+36.98	29.491	LT	29.890	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	32.612	LF	ALI-Exist-USH 45_4110-28-00_Ayres	816+32.32	816+64.43	39.243	RT	41.098	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	32.581	LF	ALI-Exist-USH 45_4110-28-00_Ayres	622+80.29	623+12.87	25.817	LT	26.377	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	32.264	LF	ALI-Exist-USH 45_4110-28-00_Ayres	728+21.79	728+54.05	32.540	LT	32.062	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	32.142	LF	ALI-Exist-USH 45_4110-28-00_Ayres	510+22.07	510+54.49	32.684	LT	32.808	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	31.965	LF	ALI-Exist-USH 45_4110-28-00_Ayres	632+82.82	633+14.78	28.569	LT	28.703	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	31.791	LF	ALI-Exist-USH 45_4110-28-00_Ayres	762+54.94	762+86.73	34.060	LT	34.049	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	31.626	LF	ALI-Exist-USH 45_4110-28-00_Ayres	735+02.48	735+33.85	26.191	LT	25.036	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	31.519	LF	ALI-Exist-USH 45_4110-28-00_Ayres	542+12.84	542+44.36	28.763	LT	28.864	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	31.335	LF	ALI-Exist-USH 45_4110-28-00_Ayres	703+87.01	704+18.33	29.721	LT	30.801	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	31.299	LF	ALI-Exist-USH 45_4110-28-00_Ayres	688+70.92	689+01.81	31.118	LT	33.026	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	31.198	LF	ALI-Exist-USH 45_4110-28-00_Ayres	627+77.98	628+09.15	28.898	LT	30.239	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	31.154	LF	ALI-Exist-USH 45_4110-28-00_Ayres	555+66.89	555+98.02	31.701	LT	32.940	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	31.081	LF	ALI-Exist-USH 45_4110-28-00_Ayres	812+67.42	812+98.46	29.372	LT	31.009	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	31.07	LF	ALI-Exist-USH 45_4110-28-00_Ayres	776+44.66	776+75.70	25.055	LT	26.698	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.997	LF	ALI-Exist-USH 45_4110-28-00_Ayres	613+29.42	613+60.41	28.726	RT	29.419	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.994	LF	ALI-Exist-USH 45_4110-28-00_Ayres	525+43.70	525+74.69	27.091	RT	27.608	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.833	LF	ALI-Exist-USH 45_4110-28-00_Ayres	767+95.57	768+26.40	31.797	LT	32.170	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.822	LF	ALI-Exist-USH 45_4110-28-00_Ayres	642+52.02	642+82.84	31.753	LT	32.189	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.777	LF	ALI-Exist-USH 45_4110-28-00_Ayres	701+96.66	702+27.40	28.704	LT	30.243	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.68	LF	ALI-Exist-USH 45_4110-28-00_Ayres	671+19.95	671+50.62	32.111	LT	32.838	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.583	LF	ALI-Exist-USH 45_4110-28-00_Ayres	764+41.16	764+71.74	28.723	LT	28.446	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.576	LF	ALI-Exist-USH 45_4110-28-00_Ayres	749+65.25	749+95.82	32.263	LT	31.763	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.573	LF	ALI-Exist-USH 45_4110-28-00_Ayres	605+23.01	605+53.58	30.822	RT	30.399	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.552	LF	ALI-Exist-USH 45_4110-28-00_Ayres	718+67.83	718+97.76	29.446	RT	29.534	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.501	LF	ALI-Exist-USH 45_4110-28-00_Ayres	629+95.60	630+26.10	28.993	LT	29.079	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.497	LF	ALI-Exist-USH 45_4110-28-00_Ayres	810+95.11	811+25.61	31.932	RT	32.454	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.429	LF	ALI-Exist-USH 45_4110-28-00_Ayres	620+89.05	621+19.46	28.245	LT	29.054	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.233	LF	ALI-Exist-USH 45_4110-28-00_Ayres	785+85.25	786+15.47	28.868	RT	27.957	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.166	LF	ALI-Exist-USH 45_4110-28-00_Ayres	667+40.45	667+70.62	29.736	LT	29.766	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.09	LF	ALI-Exist-USH 45_4110-28-00_Ayres	602+82.00	603+12.08	29.379	RT	29.950	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	30.084	LF	ALI-Exist-USH 45_4110-28-00_Ayres	607+10.04	607+40.12	30.345	RT	30.199	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	29.609	LF	ALI-Exist-USH 45_4110-28-00_Ayres	604+07.70	604+37.30	31.458	RT	30.736	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	29.567	LF	ALI-Exist-USH 45_4110-28-00_Ayres	763+84.38	764+13.92	29.860	LT	31.070	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	29.47	LF	ALI-Exist-USH 45_4110-28-00_Ayres	736+20.37	736+49.33	33.743	LT	33.897	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	29.459	LF	ALI-Exist-USH 45_4110-28-00_Ayres	631+23.56	631+53.01	28.138	LT	28.562	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	29.417	LF	ALI-Exist-USH 45_4110-28-00_Ayres	757+90.45	758+19.86	26.359	LT	26.042	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	29.386	LF	ALI-Exist-USH 45_4110-28-00_Ayres	654+39.12	654+68.50	26.548	LT	25.771	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	29.149	LF	ALI-Exist-USH 45_4110-28-00_Ayres	739+03.37	739+31.93	37.971	LT	36.809	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	29.033	LF	ALI-Exist-USH 45_4110-28-00_Ayres	614+18.26	614+47.30	29.251	RT	29.216	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	28.969	LF	ALI-Exist-USH 45_4110-28-00_Ayres	805+28.05	805+57.00	29.741	RT	28.640	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	28.925	LF	ALI-Exist-USH 45_4110-28-00_Ayres	541+26.93	541+55.63	27.388	LT	28.423	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	28.821	LF	ALI-Exist-USH 45_4110-28-00_Ayres	618+43.03	618+71.85	29.278	LT	29.766	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	28.812	LF	ALI-Exist-USH 45_4110-28-00_Ayres	580+46.44	580+75.44	35.714	RT	35.992	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	28.809	LF	ALI-Exist-USH 45_4110-28-00_Ayres	636+77.49	637+06.29	33.762	LT	33.233	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	28.638	LF	ALI-Exist-USH 45_4110-28-00_Ayres	632+15.66	632+44.30	28.875	LT	29.396	LT

608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	28.527	LF	ALI-Exist-USH 45_4110-28-00_Ayres	596+55.22	596+83.74	29.546	LT	29.597	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	28.428	LF	ALI-Exist-USH 45_4110-28-00_Ayres	615+78.07	616+06.49	28.620	RT	28.980	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	28.183	LF	ALI-Exist-USH 45_4110-28-00_Ayres	622+22.48	622+50.67	26.022	LT	26.197	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	27.922	LF	ALI-Exist-USH 45_4110-28-00_Ayres	722+11.11	722+39.02	26.359	LT	27.163	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	27.669	LF	ALI-Exist-USH 45_4110-28-00_Ayres	710+72.41	711+00.08	29.159	LT	28.466	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	27.648	LF	ALI-Exist-USH 45_4110-28-00_Ayres	549+31.88	549+59.66	27.579	LT	27.207	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	27.468	LF	ALI-Exist-USH 45_4110-28-00_Ayres	802+02.19	802+29.64	29.617	RT	30.591	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	27.298	LF	ALI-Exist-USH 45_4110-28-00_Ayres	639+00.19	639+27.47	33.509	LT	34.553	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	27.253	LF	ALI-Exist-USH 45_4110-28-00_Ayres	640+81.28	641+08.53	33.636	RT	33.416	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	27.04	LF	ALI-Exist-USH 45_4110-28-00_Ayres	601+52.78	601+79.82	28.127	LT	28.122	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	27.014	LF	ALI-Exist-USH 45_4110-28-00_Ayres	800+75.05	801+02.06	30.264	LT	29.898	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	27.007	LF	ALI-Exist-USH 45_4110-28-00_Ayres	728+46.56	728+73.57	30.014	RT	29.923	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	26.938	LF	ALI-Exist-USH 45_4110-28-00_Ayres	746+04.65	746+31.58	28.923	LT	29.533	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	26.54	LF	ALI-Exist-USH 45_4110-28-00_Ayres	551+16.86	551+43.53	28.171	LT	28.397	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	26.358	LF	ALI-Exist-USH 45_4110-28-00_Ayres	504+74.93	505+01.28	29.144	LT	29.710	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	26.247	LF	ALI-Exist-USH 45_4110-28-00_Ayres	707+59.74	707+85.95	28.393	LT	29.697	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	26.199	LF	ALI-Exist-USH 45_4110-28-00_Ayres	721+62.14	721+88.33	30.742	RT	30.065	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	25.974	LF	ALI-Exist-USH 45_4110-28-00_Ayres	797+78.65	798+04.60	30.430	LT	29.246	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	25.957	LF	ALI-Exist-USH 45_4110-28-00_Ayres	706+58.29	706+84.24	28.179	LT	28.829	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	25.918	LF	ALI-Exist-USH 45_4110-28-00_Ayres	762+02.11	762+28.02	26.893	RT	27.500	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	25.851	LF	ALI-Exist-USH 45_4110-28-00_Ayres	605+15.42	605+41.27	28.547	LT	28.756	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	25.799	LF	ALI-Exist-USH 45_4110-28-00_Ayres	673+76.17	674+01.93	29.827	LT	28.339	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	25.777	LF	ALI-Exist-USH 45_4110-28-00_Ayres	665+61.04	665+86.81	29.884	LT	29.794	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	25.639	LF	ALI-Exist-USH 45_4110-28-00_Ayres	769+64.77	769+90.40	26.968	RT	26.346	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	25.632	LF	ALI-Exist-USH 45_4110-28-00_Ayres	623+86.96	624+12.60	25.752	LT	25.662	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	25.489	LF	ALI-Exist-USH 45_4110-28-00_Ayres	583+94.86	584+15.12	53.012	RT	37.543	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	25.165	LF	ALI-Exist-USH 45_4110-28-00_Ayres	687+27.43	687+52.59	29.432	LT	29.284	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	25.082	LF	ALI-Exist-USH 45_4110-28-00_Ayres	762+98.52	763+23.59	28.011	RT	28.824	RT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	25.045	LF	ALI-Exist-USH 45_4110-28-00_Ayres	693+14.04	693+39.07	28.918	LT	29.807	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	25.044	LF	ALI-Exist-USH 45_4110-28-00_Ayres	748+00.51	748+25.55	30.133	LT	30.747	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.971	LF	ALI-Exist-USH 45_4110-28-00_Ayres	810+51.67	810+76.64	29.181	LT	29.203	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.946	LF	ALI-Exist-USH 45_4110-28-00_Ayres	614+03.15	614+28.09	28.908	LT	28.424	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.928	LF	ALI-Exist-USH 45_4110-28-00_Ayres	708+19.79	708+44.68	27.749	LT	29.109	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.922	LF	ALI-Exist-USH 45_4110-28-00_Ayres	670+08.69	670+33.62	29.942	LT	30.061	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.783	LF	ALI-Exist-USH 45_4110-28-00_Ayres	715+07.20	715+31.96	27.549	LT	28.713	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.712	LF	ALI-Exist-USH 45_4110-28-00_Ayres	809+55.29	809+80.00	29.295	LT	29.038	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.596	LF	ALI-Exist-USH 45_4110-28-00_Ayres	740+51.11	740+75.69	35.615	LT	34.637	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.593	LF	ALI-Exist-USH 45_4110-28-00_Ayres	704+60.07	704+84.65	28.536	LT	29.527	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.515	LF	ALI-Exist-USH 45_4110-28-00_Ayres	780+31.13	780+55.64	28.651	LT	28.354	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.511	LF	ALI-Exist-USH 45_4110-28-00_Ayres	617+76.58	618+01.09	28.922	LT	29.201	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.5	LF	ALI-Exist-USH 45_4110-28-00_Ayres	761+70.85	761+95.35	30.289	LT	29.941	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.276	LF	ALI-Exist-USH 45_4110-28-00_Ayres	811+62.70	811+86.96	28.794	LT	27.844	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.245	LF	ALI-Exist-USH 45_4110-28-00_Ayres	600+92.21	601+16.45	28.011	LT	27.992	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.222	LF	ALI-Exist-USH 45_4110-28-00_Ayres	724+25.28	724+49.48	28.841	LT	27.900	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.208	LF	ALI-Exist-USH 45_4110-28-00_Ayres	788+96.38	789+20.58	30.093	LT	29.851	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	24.002	LF	ALI-Exist-USH 45_4110-28-00_Ayres	804+91.70	805+15.69	29.894	LT	30.620	LT
608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	23.981	LF	ALI-Exist-USH 45_4110-28-00_Ayres	621+16.75	621+40.73	26.241	RT	26.204	RT

608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	23.96 LF	ALI-Exist-USH 45_4110-28-00_Ayres	552+78.86	553+02.93	28.664 LT	27.977 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	23.898 LF	ALI-Exist-USH 45_4110-28-00_Ayres	655+29.64	655+53.51	25.488 LT	26.490 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	23.888 LF	ALI-Exist-USH 45_4110-28-00_Ayres	786+58.98	786+82.85	30.258 LT	31.228 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	23.722 LF	ALI-Exist-USH 45_4110-28-00_Ayres	634+98.17	635+21.86	32.123 LT	33.311 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	23.641 LF	ALI-Exist-USH 45_4110-28-00_Ayres	631+04.91	631+28.54	27.814 RT	26.991 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	23.61 LF	ALI-Exist-USH 45_4110-28-00_Ayres	547+14.42	547+38.15	27.064 LT	27.392 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	23.591 LF	ALI-Exist-USH 45_4110-28-00_Ayres	735+58.15	735+81.41	27.365 LT	27.141 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	23.556 LF	ALI-Exist-USH 45_4110-28-00_Ayres	732+22.37	732+45.92	29.729 LT	29.616 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	23.491 LF	ALI-Exist-USH 45_4110-28-00_Ayres	743+44.57	743+68.05	24.735 RT	25.361 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	23.426 LF	ALI-Exist-USH 45_4110-28-00_Ayres	544+06.37	544+29.80	27.926 LT	28.152 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	23.273 LF	ALI-Exist-USH 45_4110-28-00_Ayres	549+86.47	550+09.85	27.647 LT	27.895 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	23.229 LF	ALI-Exist-USH 45_4110-28-00_Ayres	652+60.00	652+83.23	26.406 LT	26.126 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	23.16 LF	ALI-Exist-USH 45_4110-28-00_Ayres	505+21.21	505+44.55	28.735 LT	28.360 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.963 LF	ALI-Exist-USH 45_4110-28-00_Ayres	798+19.89	798+42.84	28.703 RT	29.137 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.923 LF	ALI-Exist-USH 45_4110-28-00_Ayres	722+40.76	722+63.67	29.717 RT	28.981 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.886 LF	ALI-Exist-USH 45_4110-28-00_Ayres	687+27.58	687+50.47	27.382 RT	26.941 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.738 LF	ALI-Exist-USH 45_4110-28-00_Ayres	589+74.92	589+97.65	28.361 RT	28.937 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.737 LF	ALI-Exist-USH 45_4110-28-00_Ayres	635+73.97	635+96.71	32.901 LT	33.229 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.727 LF	ALI-Exist-USH 45_4110-28-00_Ayres	605+92.51	606+15.24	28.116 LT	28.175 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.705 LF	ALI-Exist-USH 45_4110-28-00_Ayres	698+23.02	698+45.73	29.776 LT	29.639 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.659 LF	ALI-Exist-USH 45_4110-28-00_Ayres	786+84.45	787+07.11	29.060 RT	28.514 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.644 LF	ALI-Exist-USH 45_4110-28-00_Ayres	750+32.97	750+55.59	28.998 RT	30.014 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.468 LF	ALI-Exist-USH 45_4110-28-00_Ayres	599+88.71	600+11.16	29.325 LT	28.470 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.387 LF	ALI-Exist-USH 45_4110-28-00_Ayres	761+19.85	761+42.23	27.501 LT	28.240 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.331 LF	ALI-Exist-USH 45_4110-28-00_Ayres	523+76.32	523+98.40	32.942 RT	33.000 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.327 LF	ALI-Exist-USH 45_4110-28-00_Ayres	550+69.41	550+91.84	27.591 LT	27.117 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.285 LF	ALI-Exist-USH 45_4110-28-00_Ayres	720+49.72	720+72.01	30.017 RT	29.875 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.278 LF	ALI-Exist-USH 45_4110-28-00_Ayres	694+98.90	695+21.16	28.377 LT	29.275 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.148 LF	ALI-Exist-USH 45_4110-28-00_Ayres	685+64.21	685+86.36	29.164 LT	29.385 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.136 LF	ALI-Exist-USH 45_4110-28-00_Ayres	633+75.04	633+97.07	29.173 LT	31.330 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.119 LF	ALI-Exist-USH 45_4110-28-00_Ayres	731+77.34	731+99.46	22.440 RT	22.109 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	22.093 LF	ALI-Exist-USH 45_4110-28-00_Ayres	651+94.87	652+16.95	26.478 LT	27.281 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.994 LF	ALI-Exist-USH 45_4110-28-00_Ayres	657+02.12	657+24.10	28.649 RT	29.298 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.899 LF	ALI-Exist-USH 45_4110-28-00_Ayres	617+05.42	617+27.31	28.259 RT	27.640 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.872 LF	ALI-Exist-USH 45_4110-28-00_Ayres	659+22.05	659+43.92	26.612 LT	26.829 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.797 LF	ALI-Exist-USH 45_4110-28-00_Ayres	703+21.56	703+43.30	28.854 LT	30.466 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.767 LF	ALI-Exist-USH 45_4110-28-00_Ayres	607+45.09	607+66.86	28.090 LT	28.115 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.747 LF	ALI-Exist-USH 45_4110-28-00_Ayres	666+57.47	666+79.22	30.450 LT	30.763 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.736 LF	ALI-Exist-USH 45_4110-28-00_Ayres	651+41.04	651+62.76	27.452 LT	26.771 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.715 LF	ALI-Exist-USH 45_4110-28-00_Ayres	659+67.40	659+89.10	28.270 LT	27.468 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.541 LF	ALI-Exist-USH 45_4110-28-00_Ayres	653+18.56	653+40.09	26.770 LT	27.230 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.512 LF	ALI-Exist-USH 45_4110-28-00_Ayres	726+45.94	726+67.44	32.959 LT	33.467 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.479 LF	ALI-Exist-USH 45_4110-28-00_Ayres	758+69.13	758+90.59	25.968 LT	26.689 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.342 LF	ALI-Exist-USH 45_4110-28-00_Ayres	766+77.58	766+98.91	26.675 RT	25.928 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.215 LF	ALI-Exist-USH 45_4110-28-00_Ayres	760+29.40	760+50.60	26.647 LT	25.869 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.203 LF	ALI-Exist-USH 45_4110-28-00_Ayres	720+31.77	720+52.97	27.568 LT	27.599 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.201 LF	ALI-Exist-USH 45_4110-28-00_Ayres	590+86.52	591+07.71	30.486 LT	31.145 LT

608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.118 LF	ALI-Exist-USH 45_4110-28-00_Ayres	602+82.25	603+03.37	27.538 LT	27.471 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.029 LF	ALI-Exist-USH 45_4110-28-00_Ayres	747+14.46	747+35.49	31.035 RT	31.251 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	21.024 LF	ALI-Exist-USH 45_4110-28-00_Ayres	805+98.19	806+19.21	30.017 LT	29.881 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.999 LF	ALI-Exist-USH 45_4110-28-00_Ayres	609+67.39	609+88.39	27.889 LT	28.227 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.896 LF	ALI-Exist-USH 45_4110-28-00_Ayres	595+44.89	595+65.77	30.001 LT	29.295 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.895 LF	ALI-Exist-USH 45_4110-28-00_Ayres	650+81.53	651+02.42	29.497 LT	29.992 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.85 LF	ALI-Exist-USH 45_4110-28-00_Ayres	751+83.26	752+04.09	33.147 LT	34.063 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.849 LF	ALI-Exist-USH 45_4110-28-00_Ayres	656+04.78	656+25.61	26.138 LT	27.093 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.845 LF	ALI-Exist-USH 45_4110-28-00_Ayres	626+72.93	626+93.77	28.460 LT	28.220 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.834 LF	ALI-Exist-USH 45_4110-28-00_Ayres	808+56.85	808+77.68	29.460 LT	29.922 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.823 LF	ALI-Exist-USH 45_4110-28-00_Ayres	634+39.54	634+60.36	31.716 LT	31.160 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.815 LF	ALI-Exist-USH 45_4110-28-00_Ayres	585+92.16	586+12.97	28.199 LT	28.594 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.771 LF	ALI-Exist-USH 45_4110-28-00_Ayres	803+34.52	803+55.28	29.722 RT	29.111 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.766 LF	ALI-Exist-USH 45_4110-28-00_Ayres	725+86.16	726+06.92	28.014 LT	27.587 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.74 LF	ALI-Exist-USH 45_4110-28-00_Ayres	580+44.95	580+65.55	39.764 LT	40.038 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.692 LF	ALI-Exist-USH 45_4110-28-00_Ayres	672+08.33	672+29.01	29.566 LT	30.120 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.644 LF	ALI-Exist-USH 45_4110-28-00_Ayres	759+92.02	760+12.65	25.150 LT	25.802 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.627 LF	ALI-Exist-USH 45_4110-28-00_Ayres	748+95.70	749+16.33	28.125 RT	28.490 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.61 LF	ALI-Exist-USH 45_4110-28-00_Ayres	673+06.49	673+27.09	30.311 LT	29.709 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.596 LF	ALI-Exist-USH 45_4110-28-00_Ayres	637+17.25	637+37.84	33.669 RT	34.091 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.552 LF	ALI-Exist-USH 45_4110-28-00_Ayres	597+51.53	597+72.07	28.134 RT	28.748 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.543 LF	ALI-Exist-USH 45_4110-28-00_Ayres	717+73.94	717+94.89	29.870 LT	31.180 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.503 LF	ALI-Exist-USH 45_4110-28-00_Ayres	799+16.58	799+37.08	27.709 RT	27.148 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.479 LF	ALI-Exist-USH 45_4110-28-00_Ayres	781+49.30	781+69.77	26.677 LT	27.497 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.465 LF	ALI-Exist-USH 45_4110-28-00_Ayres	544+88.03	545+08.50	28.275 LT	28.185 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.447 LF	ALI-Exist-USH 45_4110-28-00_Ayres	595+99.69	596+20.14	29.757 LT	29.912 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.441 LF	ALI-Exist-USH 45_4110-28-00_Ayres	546+35.70	546+56.11	28.247 LT	27.109 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.421 LF	ALI-Exist-USH 45_4110-28-00_Ayres	607+92.75	608+13.17	28.303 LT	28.101 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.376 LF	ALI-Exist-USH 45_4110-28-00_Ayres	624+08.68	624+29.06	28.054 RT	28.010 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.356 LF	ALI-Exist-USH 45_4110-28-00_Ayres	548+63.56	548+84.01	28.792 LT	28.898 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.321 LF	ALI-Exist-USH 45_4110-28-00_Ayres	691+92.79	692+12.88	31.575 LT	30.852 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.288 LF	ALI-Exist-USH 45_4110-28-00_Ayres	744+78.23	744+98.51	27.791 RT	27.598 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.267 LF	ALI-Exist-USH 45_4110-28-00_Ayres	765+71.14	765+91.39	27.819 RT	26.992 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.258 LF	ALI-Exist-USH 45_4110-28-00_Ayres	706+27.09	706+47.34	28.227 RT	28.035 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.251 LF	ALI-Exist-USH 45_4110-28-00_Ayres	603+77.10	603+97.34	27.726 LT	28.361 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.217 LF	ALI-Exist-USH 45_4110-28-00_Ayres	592+94.74	593+14.96	29.866 LT	29.734 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.194 LF	ALI-Exist-USH 45_4110-28-00_Ayres	725+30.71	725+50.90	29.174 LT	29.692 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.185 LF	ALI-Exist-USH 45_4110-28-00_Ayres	616+95.68	617+15.87	30.019 LT	29.713 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.155 LF	ALI-Exist-USH 45_4110-28-00_Ayres	547+98.49	548+18.74	28.851 LT	29.496 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.146 LF	ALI-Exist-USH 45_4110-28-00_Ayres	594+38.18	594+58.32	28.564 RT	28.293 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.076 LF	ALI-Exist-USH 45_4110-28-00_Ayres	625+23.43	625+43.50	28.520 LT	28.951 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.066 LF	ALI-Exist-USH 45_4110-28-00_Ayres	619+76.22	619+96.29	28.447 LT	28.298 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.026 LF	ALI-Exist-USH 45_4110-28-00_Ayres	618+98.18	619+18.20	28.795 LT	29.010 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	20.023 LF	ALI-Exist-USH 45_4110-28-00_Ayres	621+95.03	622+15.03	26.778 LT	27.642 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	19.999 LF	ALI-Exist-USH 45_4110-28-00_Ayres	669+54.14	669+74.13	29.467 LT	28.980 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	19.927 LF	ALI-Exist-USH 45_4110-28-00_Ayres	736+66.37	736+85.89	35.102 LT	36.520 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	19.926 LF	ALI-Exist-USH 45_4110-28-00_Ayres	615+70.72	615+90.65	30.831 LT	30.665 LT

608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	19.901 LF	ALI-Exist-USH 45_4110-28-00_Ayres	751+52.02	751+71.92	32.422 LT	32.666 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	19.85 LF	ALI-Exist-USH 45_4110-28-00_Ayres	685+79.29	685+99.14	25.957 RT	25.722 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	19.744 LF	ALI-Exist-USH 45_4110-28-00_Ayres	778+45.93	778+65.67	29.025 LT	28.870 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	19.509 LF	ALI-Exist-USH 45_4110-28-00_Ayres	742+91.24	743+10.75	34.753 LT	34.354 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	19.471 LF	ALI-Exist-USH 45_4110-28-00_Ayres	502+36.43	502+55.90	32.942 RT	32.484 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	19.447 LF	ALI-Exist-USH 45_4110-28-00_Ayres	613+04.56	613+24.01	28.348 LT	28.012 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	19.381 LF	ALI-Exist-USH 45_4110-28-00_Ayres	616+14.21	616+33.56	29.553 LT	30.658 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	19.21 LF	ALI-Exist-USH 45_4110-28-00_Ayres	524+39.95	524+58.94	33.176 RT	32.711 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	19.12 LF	ALI-Exist-USH 45_4110-28-00_Ayres	670+67.92	670+87.04	28.961 RT	29.217 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	19.094 LF	ALI-Exist-USH 45_4110-28-00_Ayres	787+44.01	787+63.10	28.703 RT	28.173 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	18.944 LF	ALI-Exist-USH 45_4110-28-00_Ayres	722+73.97	722+92.92	27.938 LT	28.180 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	18.888 LF	ALI-Exist-USH 45_4110-28-00_Ayres	653+81.76	654+00.65	26.134 LT	26.280 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	18.296 LF	ALI-Exist-USH 45_4110-28-00_Ayres	803+87.66	804+05.95	30.821 LT	30.837 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	18.226 LF	ALI-Exist-USH 45_4110-28-00_Ayres	686+33.42	686+51.64	29.727 LT	29.340 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	18.026 LF	ALI-Exist-USH 45_4110-28-00_Ayres	721+35.19	721+53.22	28.691 LT	28.407 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	17.828 LF	ALI-Exist-USH 45_4110-28-00_Ayres	593+22.86	593+40.63	29.254 LT	30.666 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	17.719 LF	ALI-Exist-USH 45_4110-28-00_Ayres	608+49.24	608+66.95	27.769 LT	28.105 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	17.488 LF	ALI-Exist-USH 45_4110-28-00_Ayres	606+47.88	606+65.37	28.428 LT	28.513 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	17.261 LF	ALI-Exist-USH 45_4110-28-00_Ayres	708+73.94	708+91.20	28.739 RT	28.551 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	17.056 LF	ALI-Exist-USH 45_4110-28-00_Ayres	746+76.56	746+93.61	27.629 RT	28.159 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	17.054 LF	ALI-Exist-USH 45_4110-28-00_Ayres	746+86.62	747+03.67	31.645 LT	31.350 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	16.754 LF	ALI-Exist-USH 45_4110-28-00_Ayres	511+51.27	511+67.83	43.964 RT	44.123 RT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	16.131 LF	ALI-Exist-USH 45_4110-28-00_Ayres	748+97.69	749+13.82	33.316 LT	33.118 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	15.628 LF	ALI-Exist-USH 45_4110-28-00_Ayres	603+51.66	603+67.29	27.878 LT	28.038 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	14.929 LF	ALI-Exist-USH 45_4110-28-00_Ayres	609+00.87	609+15.80	28.297 LT	28.528 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	8.906 LF	ALI-Exist-USH 45_4110-28-00_Ayres	611+53.30	611+62.20	26.536 LT	26.788 LT
608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	4.893 LF	ALI-Exist-USH 45_4110-28-00_Ayres	768+27.23	768+32.10	24.072 RT	24.470 RT

Attachment C

Cross Culvert Locations

PAY_ITEM_ID	DESCRIPTION	QUANTITY	UNIT	BASELINE	START_STATION	END_STATION	START_OFFSET	END_OFFSET	REMARKS
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	52.641	LF	ALI-Exist-USH 45_4110-28-00_Ayres	696+44.03	696+46.07	26.631 LT	25.970 LT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	52.111	LF	ALI-Exist-USH 45_4110-28-00_Ayres	696+38.63	696+39.60	26.028 LT	26.073 LT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	61.263	LF	ALI-Exist-USH 45_4110-28-00_Ayres	785+32.45	785+33.22	31.361 RT	29.897 RT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	57.233	LF	ALI-Exist-USH 45_4110-28-00_Ayres	768+82.40	768+83.94	32.335 RT	24.876 RT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	49.743	LF	ALI-Exist-USH 45_4110-28-00_Ayres	663+53.17	663+56.27	25.392 LT	24.255 LT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	64.495	LF	ALI-Exist-USH 45_4110-28-00_Ayres	870+27.26	870+27.27	29.228 RT	35.267 RT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	64.493	LF	ALI-Exist-USH 45_4110-28-00_Ayres	563+02.86	563+04.78	34.963 RT	29.502 RT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	52.985	LF	ALI-Exist-USH 45_4110-28-00_Ayres	515+84.46	515+85.29	25.681 RT	27.298 RT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	65.23	LF	ALI-Exist-USH 45_4110-28-00_Ayres	831+54.21	831+62.13	36.681 RT	28.068 RT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	218.375	LF	ALI-Exist-USH 45_4110-28-00_Ayres	505+51.94	505+73.04	30.857 LT	186.537 LT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	60.712	LF	ALI-Exist-USH 45_4110-28-00_Ayres	593+46.16	593+47.82	31.589 LT	29.100 LT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	60.764	LF	ALI-Exist-USH 45_4110-28-00_Ayres	679+11.22	679+11.78	31.747 RT	29.014 RT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	53.633	LF	ALI-Exist-USH 45_4110-28-00_Ayres	613+81.89	613+82.06	26.370 RT	27.263 RT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	52.816	LF	ALI-Exist-USH 45_4110-28-00_Ayres	706+56.84	706+58.99	26.194 RT	26.578 RT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	49.369	LF	ALI-Exist-USH 45_4110-28-00_Ayres	630+84.56	630+86.52	24.193 LT	25.137 LT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	53.029	LF	ALI-Exist-USH 45_4110-28-00_Ayres	613+83.81	613+85.28	26.296 RT	26.712 RT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	70.037	LF	ALI-Exist-USH 45_4110-28-00_Ayres	509+85.60	509+88.05	44.767 LT	25.227 LT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	58.733	LF	ALI-Exist-USH 45_4110-28-00_Ayres	660+54.29	660+54.85	29.219 LT	29.511 LT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	55.133	LF	ALI-Exist-USH 45_4110-28-00_Ayres	518+43.88	518+44.70	28.992 LT	26.135 LT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	61.185	LF	ALI-Exist-USH 45_4110-28-00_Ayres	556+69.16	556+69.24	29.395 LT	31.790 LT	
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	61.336	LF	ALI-Exist-USH 45_4110-28-00_Ayres	750+89.88	750+96.56	27.270 RT	33.701 RT	

Attachment D

Earthwork Data

Volume Report

Project: N:\pds\c3d\41102800\Design\Corridors\Ditch Prelim\EW Calcs Prelim
Ditch.dwg

Alignment: ALI-Exist-USH 45_4110-28-00_Ayres

Sample Line Group: SLG-1

Start Sta: 1+00.509

End Sta: 396+32.431

Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
1+00.509	22.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2+00.000	18.30	75.36	75.36	0.00	0.00	75.36	75.36	0.00	75.36
2+95.696	27.73	81.57	81.57	0.00	0.00	156.93	156.93	0.00	156.93
3+00.000	40.55	5.44	5.44	0.00	0.00	162.37	162.37	0.00	162.37
3+19.748	42.27	30.29	30.29	0.00	0.00	192.66	192.66	0.00	192.66
3+46.605	16.88	29.42	29.42	7.03	3.50	222.08	222.08	3.50	218.58
3+97.514	11.81	27.04	27.04	9.27	15.37	249.12	249.12	18.87	230.25
4+00.000	11.15	1.06	1.06	9.12	0.85	250.17	250.17	19.71	230.46
4+02.608	9.58	1.00	1.00	9.08	0.88	251.18	251.18	20.59	230.58
4+30.605	14.32	12.39	12.39	16.16	13.09	263.57	263.57	33.68	229.89
5+00.000	17.78	41.25	41.25	3.78	25.62	304.82	304.82	59.30	245.51
6+00.000	10.00	51.44	51.44	7.42	20.75	356.26	356.26	80.05	276.21
7+00.000	10.65	38.24	38.24	2.33	18.06	394.50	394.50	98.11	296.39
8+00.000	10.73	39.58	39.58	2.32	8.60	434.08	434.08	106.71	327.37
9+00.000	15.09	47.80	47.80	4.95	13.46	481.89	481.89	120.17	361.71
9+74.151	11.63	36.68	36.68	4.34	12.75	518.57	518.57	132.93	385.64
10+00.000	14.37	12.45	12.45	3.25	3.63	531.01	531.01	136.56	394.45
11+00.000	10.97	46.93	46.93	3.55	12.60	577.94	577.94	149.16	428.78
12+00.000	8.14	35.39	35.39	6.15	17.98	613.33	613.33	167.14	446.19
13+00.000	19.08	50.42	50.42	0.82	12.91	663.75	663.75	180.05	483.70
14+00.000	21.83	75.76	75.76	0.13	1.75	739.51	739.51	181.80	557.71
15+00.000	10.90	60.59	60.59	4.66	8.86	800.10	800.10	190.66	609.44
15+17.696	10.38	6.97	6.97	4.92	3.14	807.07	807.07	193.80	613.27
15+45.694	9.28	10.19	10.19	3.20	4.21	817.27	817.27	198.02	619.25
15+50.787	8.53	1.68	1.68	3.37	0.62	818.95	818.95	198.64	620.31
16+00.000	20.85	26.78	26.78	2.40	5.26	845.73	845.73	203.90	641.83
16+01.696	22.54	1.36	1.36	2.23	0.15	847.09	847.09	204.04	643.05
16+48.524	31.56	46.91	46.91	0.17	2.08	894.00	894.00	206.13	687.88
16+52.606	29.38	4.61	4.61	0.26	0.03	898.61	898.61	206.16	692.45
16+99.524	7.59	32.12	32.12	3.14	2.95	930.73	930.73	209.11	721.62

17+00.000	7.48	0.13	0.13	3.20	0.06	930.86	930.86	209.17	721.69
17+50.524	1.87	8.75	8.75	10.00	12.35	939.61	939.61	221.52	718.09
17+67.527	2.62	1.41	1.41	5.98	5.03	941.02	941.02	226.55	714.47
18+00.000	5.61	4.95	4.95	6.56	7.54	945.97	945.97	234.09	711.89
18+01.524	5.91	0.33	0.33	6.87	0.38	946.30	946.30	234.47	711.83
19+00.000	8.61	26.49	26.49	4.30	20.37	972.79	972.79	254.84	717.95
20+00.000	7.98	30.72	30.72	1.08	9.97	1003.50	1003.50	264.80	738.70
20+86.082	4.41	19.75	19.75	5.78	10.94	1023.25	1023.25	275.75	747.50
21+00.000	4.86	2.39	2.39	6.10	3.06	1025.64	1025.64	278.81	746.83
22+00.000	8.57	24.87	24.87	8.82	27.63	1050.51	1050.51	306.45	744.06
23+00.000	41.15	92.08	92.08	8.45	31.98	1142.58	1142.58	338.43	804.16
23+70.640	60.84	133.42	133.42	11.05	25.50	1276.01	1276.01	363.93	912.08
24+00.000	56.68	63.90	63.90	12.74	12.93	1339.90	1339.90	376.86	963.04
24+04.636	56.06	9.68	9.68	12.57	2.17	1349.58	1349.58	379.03	970.55
24+21.640	48.79	33.02	33.02	10.37	7.22	1382.60	1382.60	386.26	996.34
24+72.640	41.21	85.00	85.00	2.51	12.17	1467.60	1467.60	398.43	1069.17
25+00.000	42.38	42.35	42.35	2.02	2.30	1509.95	1509.95	400.73	1109.22
25+23.640	46.85	39.06	39.06	2.45	1.96	1549.01	1549.01	402.68	1146.33
26+00.000	20.54	95.31	95.31	5.53	11.28	1644.32	1644.32	413.96	1230.35
27+00.000	7.18	51.35	51.35	1.06	12.20	1695.67	1695.67	426.17	1269.50
28+00.000	6.32	25.01	25.01	1.57	4.87	1720.68	1720.68	431.03	1289.64
29+00.000	17.19	43.53	43.53	0.83	4.43	1764.20	1764.20	435.47	1328.74
30+00.000	18.34	65.79	65.79	2.87	6.84	1830.00	1830.00	442.31	1387.69
30+04.185	19.06	2.90	2.90	2.30	0.40	1832.90	1832.90	442.71	1390.19
30+55.413	24.61	41.43	41.43	0.17	2.34	1874.33	1874.33	445.05	1429.27
31+00.000	16.55	33.98	33.98	5.41	4.60	1908.31	1908.31	449.65	1458.66
31+06.641	16.11	4.02	4.02	6.81	1.50	1912.33	1912.33	451.16	1461.17
31+52.751	7.78	20.41	20.41	28.11	29.82	1932.73	1932.73	480.97	1451.76
32+00.000	0.00	6.81	6.81	69.36	85.28	1939.54	1939.54	566.25	1373.29
32+01.413	0.00	0.00	0.00	69.18	3.63	1939.54	1939.54	569.88	1369.66
33+00.000	6.95	12.69	12.69	12.89	149.84	1952.23	1952.23	719.71	1232.52
34+00.000	16.87	44.12	44.12	3.04	29.51	1996.35	1996.35	749.22	1247.13
35+00.000	18.46	65.43	65.43	2.29	9.88	2061.78	2061.78	759.10	1302.68
35+95.794	14.36	58.22	58.22	6.36	15.34	2120.01	2120.01	774.45	1345.56
36+00.000	13.86	2.20	2.20	6.49	1.00	2122.20	2122.20	775.45	1346.76
37+00.000	14.99	53.43	53.43	9.41	29.44	2175.63	2175.63	804.89	1370.74
38+00.000	16.53	58.37	58.37	1.70	20.57	2234.00	2234.00	825.46	1408.54
39+00.000	22.45	72.19	72.19	5.43	13.21	2306.19	2306.19	838.67	1467.52
39+90.174	25.19	79.55	79.55	11.29	27.93	2385.74	2385.74	866.60	1519.14
40+00.000	30.24	10.09	10.09	9.17	3.72	2395.83	2395.83	870.32	1525.50
40+38.836	30.47	43.67	43.67	2.26	8.22	2439.49	2439.49	878.55	1560.95
40+84.946	16.12	39.78	39.78	6.00	7.06	2479.28	2479.28	885.60	1593.67

41+00.000	16.64	9.13	9.13	6.82	3.58	2488.41	2488.41	889.18	1599.23
41+36.174	30.19	31.37	31.37	3.69	7.04	2519.78	2519.78	896.22	1623.56
41+87.403	17.68	45.41	45.41	3.05	6.40	2565.19	2565.19	902.62	1662.58
42+00.000	35.08	12.31	12.31	1.63	1.09	2577.50	2577.50	903.71	1673.79
43+00.000	28.78	118.27	118.27	1.26	5.36	2695.77	2695.77	909.07	1786.70
44+00.000	38.92	125.37	125.37	0.40	3.08	2821.14	2821.14	912.15	1909.00
45+00.000	30.11	127.84	127.84	0.55	1.76	2948.98	2948.98	913.91	2035.07
45+08.352	30.90	9.44	9.44	0.55	0.17	2958.42	2958.42	914.08	2044.34
45+59.185	32.36	59.55	59.55	0.74	1.22	3017.97	3017.97	915.30	2102.67
45+99.854	18.89	38.60	38.60	5.68	4.84	3056.57	3056.57	920.14	2136.43
46+00.000	18.88	0.10	0.10	5.69	0.03	3056.68	3056.68	920.17	2136.50
46+10.018	17.93	6.83	6.83	7.19	2.39	3063.51	3063.51	922.56	2140.95
46+20.185	20.50	7.24	7.24	6.77	2.63	3070.74	3070.74	925.19	2145.55
47+00.000	15.18	52.74	52.74	7.07	20.45	3123.48	3123.48	945.64	2177.84
48+00.000	21.27	67.49	67.49	7.76	27.47	3190.97	3190.97	973.11	2217.86
49+00.000	20.70	77.72	77.72	5.43	24.43	3268.69	3268.69	997.54	2271.15
49+83.308	25.36	71.07	71.07	6.21	17.96	3339.76	3339.76	1015.50	2324.26
50+00.000	11.61	11.43	11.43	7.44	4.22	3351.19	3351.19	1019.72	2331.47
51+00.000	3.29	27.60	27.60	7.65	27.95	3378.78	3378.78	1047.67	2331.11
52+00.000	26.17	54.56	54.56	6.92	26.99	3433.35	3433.35	1074.66	2358.68
53+00.000	9.83	66.67	66.67	11.80	34.68	3500.01	3500.01	1109.34	2390.67
53+46.430	13.25	19.85	19.85	15.15	23.18	3519.86	3519.86	1132.52	2387.34
53+56.597	12.71	4.89	4.89	13.58	5.41	3524.75	3524.75	1137.92	2386.82
53+66.762	13.69	4.97	4.97	10.77	4.58	3529.72	3529.72	1142.51	2387.21
54+00.000	10.35	14.80	14.80	5.13	9.78	3544.52	3544.52	1152.29	2392.23
54+07.430	9.87	2.78	2.78	3.52	1.19	3547.30	3547.30	1153.48	2393.82
54+58.264	22.09	30.08	30.08	0.52	3.80	3577.38	3577.38	1157.28	2420.10
55+00.000	22.45	34.43	34.43	0.50	0.79	3611.81	3611.81	1158.07	2453.74
56+00.000	41.90	119.17	119.17	0.58	2.01	3730.98	3730.98	1160.08	2570.90
57+00.000	15.19	105.73	105.73	1.45	3.77	3836.71	3836.71	1163.85	2672.86
58+00.000	7.89	42.75	42.75	0.53	3.67	3879.46	3879.46	1167.52	2711.94
59+00.000	9.63	32.45	32.45	3.94	8.28	3911.91	3911.91	1175.80	2736.11
60+00.000	11.96	39.98	39.98	1.14	9.40	3951.89	3951.89	1185.19	2766.69
61+00.000	4.34	30.18	30.18	2.12	6.04	3982.06	3982.06	1191.23	2790.83
62+00.000	6.60	20.25	20.25	2.71	8.96	4002.32	4002.32	1200.19	2802.13
63+00.000	1.77	15.49	15.49	8.63	21.01	4017.81	4017.81	1221.19	2796.61
64+00.000	4.65	11.87	11.87	1.50	18.75	4029.68	4029.68	1239.95	2789.73
65+00.000	7.92	23.26	23.26	0.07	2.90	4052.94	4052.94	1242.85	2810.09
66+00.000	0.01	14.68	14.68	9.01	16.82	4067.62	4067.62	1259.67	2807.95
67+00.000	2.49	4.63	4.63	9.00	33.36	4072.25	4072.25	1293.03	2779.22
68+00.000	1.64	7.64	7.64	4.86	25.67	4079.89	4079.89	1318.70	2761.18
69+00.000	0.29	3.57	3.57	7.21	22.36	4083.45	4083.45	1341.06	2742.39

70+00.000	0.35	1.19	1.19	11.30	34.28	4084.65	4084.65	1375.35	2709.30
71+00.000	0.56	1.68	1.68	27.69	72.22	4086.33	4086.33	1447.57	2638.77
72+00.000	11.29	21.93	21.93	8.70	67.39	4108.26	4108.26	1514.96	2593.30
73+00.000	0.77	22.33	22.33	18.64	50.62	4130.59	4130.59	1565.58	2565.00
74+00.000	0.78	2.88	2.88	14.73	61.79	4133.47	4133.47	1627.38	2506.09
74+72.652	0.01	1.07	1.07	21.83	49.19	4134.53	4134.53	1676.56	2457.97
75+00.000	0.00	0.01	0.01	21.21	21.80	4134.55	4134.55	1698.36	2436.18
75+23.485	0.00	0.00	0.00	19.44	17.68	4134.55	4134.55	1716.04	2418.51
75+64.154	0.00	0.00	0.00	25.24	33.65	4134.56	4134.56	1749.69	2384.87
75+74.318	0.00	0.00	0.00	22.63	9.01	4134.56	4134.56	1758.70	2375.87
75+84.485	0.00	0.00	0.00	23.41	8.67	4134.57	4134.57	1767.36	2367.20
76+00.000	0.00	0.00	0.00	26.00	14.20	4134.57	4134.57	1781.56	2353.01
77+00.000	9.04	16.75	16.75	12.89	72.02	4151.32	4151.32	1853.58	2297.73
78+00.000	0.00	16.75	16.75	28.13	75.96	4168.06	4168.06	1929.55	2238.52
78+44.361	0.00	0.00	0.00	25.19	43.80	4168.07	4168.07	1973.34	2194.72
79+00.000	0.37	0.39	0.39	22.43	49.06	4168.45	4168.45	2022.40	2146.05
80+00.000	2.49	5.31	5.31	16.47	72.04	4173.76	4173.76	2094.44	2079.32
81+00.000	3.12	10.39	10.39	16.08	60.27	4184.15	4184.15	2154.71	2029.44
81+04.237	3.09	0.49	0.49	15.84	2.50	4184.64	4184.64	2157.21	2027.43
81+14.403	2.39	1.03	1.03	15.42	5.89	4185.67	4185.67	2163.10	2022.57
81+24.568	2.08	0.84	0.84	12.49	5.25	4186.51	4186.51	2168.35	2018.16
81+65.237	1.40	2.62	2.62	6.56	14.35	4189.13	4189.13	2182.70	2006.43
82+00.000	7.46	5.70	5.70	0.70	4.67	4194.83	4194.83	2187.37	2007.46
82+16.070	11.79	5.73	5.73	0.43	0.34	4200.56	4200.56	2187.71	2012.85
83+00.000	24.75	56.79	56.79	1.45	2.92	4257.35	4257.35	2190.63	2066.72
88+00.000	32.23	145.70	145.70	3.79	13.40	4403.05	4403.05	2204.03	2199.02
89+00.000	31.37	117.77	117.77	3.81	14.07	4520.82	4520.82	2218.10	2302.72
90+00.000	30.47	114.52	114.52	1.42	9.68	4635.34	4635.34	2227.78	2407.57
91+00.000	32.96	117.47	117.47	0.41	3.38	4752.81	4752.81	2231.16	2521.65
92+00.000	30.92	118.28	118.28	3.60	7.43	4871.09	4871.09	2238.58	2632.51
93+00.000	36.10	124.11	124.11	0.04	6.75	4995.20	4995.20	2245.34	2749.87
94+00.000	16.46	97.34	97.34	3.32	6.22	5092.55	5092.55	2251.56	2840.99
95+00.000	11.11	51.07	51.07	0.70	7.44	5143.61	5143.61	2259.00	2884.62
96+00.000	22.32	61.91	61.91	2.30	5.55	5205.52	5205.52	2264.55	2940.97
97+00.000	26.92	91.17	91.17	4.02	11.70	5296.69	5296.69	2276.25	3020.44
98+00.000	14.39	76.50	76.50	0.14	7.70	5373.19	5373.19	2283.95	3089.24
99+00.000	7.66	40.83	40.83	2.72	5.30	5414.03	5414.03	2289.26	3124.77
100+00.000	11.45	35.38	35.38	2.78	10.19	5449.40	5449.40	2299.45	3149.95
101+00.000	30.21	77.13	77.13	0.86	6.75	5526.53	5526.53	2306.20	3220.33
102+00.000	27.32	106.53	106.53	4.85	10.58	5633.07	5633.07	2316.78	3316.28
103+00.000	32.64	111.03	111.03	5.44	19.07	5744.10	5744.10	2335.85	3408.25
104+00.000	44.94	143.66	143.66	6.76	22.59	5887.76	5887.76	2358.44	3529.32

105+00.000	48.92	173.81	173.81	0.82	14.03	6061.57	6061.57	2372.48	3689.09
106+00.000	54.58	191.67	191.67	0.07	1.66	6253.24	6253.24	2374.13	3879.10
107+00.000	48.18	190.30	190.30	3.46	6.53	6443.54	6443.54	2380.67	4062.87
108+00.000	64.17	208.05	208.05	1.31	8.83	6651.59	6651.59	2389.49	4262.09
109+00.000	42.27	197.10	197.10	0.33	3.04	6848.69	6848.69	2392.54	4456.15
110+00.000	55.88	181.76	181.76	0.17	0.93	7030.45	7030.45	2393.47	4636.98
111+00.000	42.96	183.03	183.03	1.65	3.37	7213.48	7213.48	2396.84	4816.64
112+00.000	43.11	159.37	159.37	7.20	16.40	7372.86	7372.86	2413.24	4959.62
113+00.000	35.97	146.43	146.43	5.34	23.23	7519.29	7519.29	2436.47	5082.82
113+62.502	0.00	41.63	41.63	0.00	6.18	7560.92	7560.92	2442.65	5118.27
114+00.000	0.00	0.00	0.00	0.00	0.00	7560.92	7560.92	2442.65	5118.27
115+00.000	25.19	46.65	46.65	2.87	5.32	7607.57	7607.57	2447.97	5159.59
116+00.000	22.90	89.05	89.05	3.56	11.92	7696.62	7696.62	2459.89	5236.73
117+00.000	17.39	74.61	74.61	4.03	14.06	7771.23	7771.23	2473.96	5297.27
118+00.000	5.69	42.73	42.73	7.53	21.41	7813.96	7813.96	2495.37	5318.60
119+00.000	20.62	48.72	48.72	0.30	14.50	7862.68	7862.68	2509.87	5352.81
120+00.000	25.78	85.93	85.93	3.33	6.72	7948.61	7948.61	2516.59	5432.02
121+00.000	24.14	92.45	92.45	2.73	11.21	8041.06	8041.06	2527.80	5513.26
122+00.000	38.31	115.65	115.65	0.18	5.38	8156.71	8156.71	2533.18	5623.53
123+00.000	37.62	140.60	140.60	2.08	4.19	8297.31	8297.31	2537.38	5759.94
124+00.000	44.33	151.75	151.75	2.83	9.10	8449.07	8449.07	2546.48	5902.59
125+00.000	61.53	196.03	196.03	2.10	9.14	8645.10	8645.10	2555.62	6089.48
126+00.000	32.25	173.66	173.66	0.08	4.03	8818.76	8818.76	2559.65	6259.11
127+00.000	35.31	125.10	125.10	0.17	0.46	8943.86	8943.86	2560.11	6383.75
128+00.000	29.41	119.85	119.85	4.05	7.81	9063.71	9063.71	2567.91	6495.80
129+00.000	30.31	110.59	110.59	0.34	8.13	9174.30	9174.30	2576.04	6598.26
130+00.000	18.50	90.38	90.38	1.45	3.32	9264.68	9264.68	2579.36	6685.31
131+00.000	20.51	72.24	72.24	1.26	5.01	9336.92	9336.92	2584.37	6752.55
132+00.000	25.14	84.54	84.54	0.09	2.48	9421.46	9421.46	2586.86	6834.61
133+00.000	17.88	79.66	79.66	0.26	0.63	9501.13	9501.13	2587.49	6913.64
134+00.000	23.34	76.33	76.33	0.73	1.83	9577.46	9577.46	2589.32	6988.14
135+00.000	50.43	136.62	136.62	0.00	1.36	9714.08	9714.08	2590.68	7123.40
136+00.000	35.57	159.27	159.27	1.72	3.19	9873.35	9873.35	2593.86	7279.49
137+00.000	8.62	81.84	81.84	3.44	9.56	9955.19	9955.19	2603.42	7351.77
138+00.000	9.10	32.82	32.82	1.46	9.06	9988.01	9988.01	2612.48	7375.53
139+00.000	4.29	24.79	24.79	8.71	18.83	10012.81	10012.81	2631.31	7381.50
140+00.000	8.91	24.45	24.45	4.44	24.36	10037.25	10037.25	2655.67	7381.58
140+14.450	3.15	3.23	3.23	4.04	2.27	10040.48	10040.48	2657.94	7382.54
141+00.000	30.72	53.65	53.65	1.57	8.88	10094.13	10094.13	2666.82	7427.31
142+00.000	3.52	63.41	63.41	3.93	10.18	10157.55	10157.55	2677.00	7480.55
143+00.000	5.60	16.90	16.90	1.47	10.01	10174.45	10174.45	2687.01	7487.44
144+00.000	4.54	18.78	18.78	1.02	4.60	10193.23	10193.23	2691.61	7501.62

145+00.000	8.17	23.53	23.53	1.81	5.23	10216.76	10216.76	2696.84	7519.92
146+00.000	6.91	27.92	27.92	3.39	9.62	10244.68	10244.68	2706.46	7538.22
147+00.000	4.49	21.11	21.11	11.23	27.06	10265.80	10265.80	2733.53	7532.27
148+00.000	0.00	8.32	8.32	0.00	20.79	10274.12	10274.12	2754.32	7519.80
149+00.000	0.00	0.00	0.00	0.00	0.00	10274.12	10274.12	2754.32	7519.80
150+00.000	0.00	0.00	0.00	0.00	0.00	10274.12	10274.12	2754.32	7519.80
151+00.000	6.34	11.75	11.75	4.87	9.02	10285.87	10285.87	2763.34	7522.53
152+00.000	0.63	12.92	12.92	8.37	24.52	10298.79	10298.79	2787.86	7510.92
153+00.000	34.01	64.15	64.15	5.14	25.03	10362.94	10362.94	2812.89	7550.04
154+00.000	32.34	122.87	122.87	5.78	20.23	10485.81	10485.81	2833.12	7652.69
155+00.000	5.64	70.34	70.34	7.75	25.06	10556.15	10556.15	2858.18	7697.97
156+00.000	41.25	86.84	86.84	6.50	26.40	10643.00	10643.00	2884.58	7758.42
157+00.000	22.08	117.28	117.28	0.95	13.81	10760.28	10760.28	2898.39	7861.89
158+00.000	55.45	143.58	143.58	0.07	1.90	10903.85	10903.85	2900.29	8003.56
159+00.000	36.92	171.05	171.05	0.17	0.44	11074.91	11074.91	2900.74	8174.17
160+00.000	36.35	135.69	135.69	0.23	0.73	11210.59	11210.59	2901.47	8309.13
161+00.000	22.45	108.88	108.88	2.84	5.68	11319.48	11319.48	2907.15	8412.33
162+00.000	21.47	81.33	81.33	0.32	5.85	11400.81	11400.81	2913.00	8487.81
163+00.000	7.30	53.28	53.28	1.83	4.00	11454.09	11454.09	2917.00	8537.10
164+00.000	36.96	81.96	81.96	0.83	4.93	11536.05	11536.05	2921.93	8614.13
165+00.000	49.42	159.97	159.97	0.44	2.35	11696.02	11696.02	2924.28	8771.74
166+00.000	58.94	200.68	200.68	0.01	0.84	11896.70	11896.70	2925.11	8971.58
166+65.915	66.21	152.78	152.78	0.05	0.08	12049.47	12049.47	2925.19	9124.28
167+00.000	35.11	63.96	63.96	2.41	1.55	12113.43	12113.43	2926.75	9186.69
168+00.000	15.09	92.96	92.96	4.61	12.99	12206.40	12206.40	2939.74	9266.66
169+00.000	11.90	49.97	49.97	1.58	11.45	12256.37	12256.37	2951.19	9305.18
170+00.000	8.23	37.27	37.27	2.36	7.29	12293.64	12293.64	2958.48	9335.16
171+00.000	30.39	71.52	71.52	0.91	6.05	12365.16	12365.16	2964.53	9400.63
172+00.000	0.02	56.33	56.33	11.47	22.93	12421.49	12421.49	2987.46	9434.03
173+00.000	19.70	36.53	36.53	2.67	26.19	12458.02	12458.02	3013.65	9444.37
174+00.000	22.50	78.15	78.15	7.60	19.03	12536.17	12536.17	3032.68	9503.49
175+00.000	6.71	54.09	54.09	4.26	21.97	12590.26	12590.26	3054.65	9535.61
176+00.000	0.16	12.72	12.72	7.25	21.32	12602.97	12602.97	3075.97	9527.00
177+00.000	25.85	48.15	48.15	4.02	20.87	12651.13	12651.13	3096.84	9554.28
177+72.909	0.71	35.85	35.85	4.87	12.01	12686.98	12686.98	3108.85	9578.13
178+00.000	18.58	9.68	9.68	3.92	4.41	12696.65	12696.65	3113.26	9583.40
179+00.000	18.93	69.45	69.45	3.96	14.60	12766.11	12766.11	3127.86	9638.25
179+72.335	17.42	48.69	48.69	2.05	8.06	12814.80	12814.80	3135.91	9678.88
180+00.000	2.69	10.30	10.30	4.50	3.36	12825.10	12825.10	3139.27	9685.83
181+00.000	2.83	10.22	10.22	5.10	17.77	12835.32	12835.32	3157.04	9678.28
181+71.762	5.84	11.52	11.52	4.32	12.52	12846.83	12846.83	3169.56	9677.28
182+00.000	3.61	4.94	4.94	3.25	3.96	12851.78	12851.78	3173.52	9678.26

183+00.000	2.78	11.84	11.84	6.08	17.27	12863.62	12863.62	3190.79	9672.83
184+00.000	25.13	51.68	51.68	2.58	16.04	12915.30	12915.30	3206.82	9708.47
185+00.000	7.46	60.34	60.34	6.06	16.01	12975.64	12975.64	3222.84	9752.80
186+00.000	27.15	64.09	64.09	2.86	16.53	13039.73	13039.73	3239.37	9800.36
187+00.000	36.82	118.47	118.47	0.60	6.41	13158.19	13158.19	3245.78	9912.42
188+00.000	45.79	152.99	152.99	0.85	2.69	13311.18	13311.18	3248.47	10062.71
189+00.000	50.19	177.76	177.76	1.25	3.91	13488.94	13488.94	3252.37	10236.56
189+04.954	52.93	9.46	9.46	1.03	0.21	13498.40	13498.40	3252.58	10245.81
189+55.954	29.15	77.52	77.52	4.06	4.81	13575.92	13575.92	3257.39	10318.53
190+00.000	45.96	61.26	61.26	1.13	4.24	13637.18	13637.18	3261.63	10375.56
190+06.954	44.99	11.71	11.71	0.69	0.23	13648.90	13648.90	3261.86	10387.03
190+23.957	25.94	22.34	22.34	5.63	1.99	13671.23	13671.23	3263.85	10407.38
190+57.954	33.43	37.38	37.38	12.81	11.61	13708.61	13708.61	3275.46	10433.15
191+00.000	37.85	55.50	55.50	8.18	16.34	13764.11	13764.11	3291.80	10472.31
192+00.000	29.41	124.55	124.55	14.09	41.24	13888.67	13888.67	3333.05	10555.62
193+00.000	27.98	106.27	106.27	8.22	41.33	13994.93	13994.93	3374.37	10620.56
193+00.177	27.95	0.18	0.18	8.25	0.05	13995.12	13995.12	3374.43	10620.69
194+00.000	11.58	73.06	73.06	8.01	30.05	14068.18	14068.18	3404.48	10663.70
195+00.000	7.09	34.57	34.57	17.85	47.88	14102.75	14102.75	3452.36	10650.40
195+42.400	8.10	11.93	11.93	23.09	32.15	14114.68	14114.68	3484.50	10630.18
195+76.397	4.44	7.90	7.90	15.53	24.31	14122.58	14122.58	3508.82	10613.76
195+93.400	2.24	2.10	2.10	10.28	8.13	14124.68	14124.68	3516.94	10607.74
196+00.000	1.53	0.46	0.46	16.61	3.29	14125.14	14125.14	3520.23	10604.91
196+44.400	13.41	12.28	12.28	3.84	16.81	14137.42	14137.42	3537.04	10600.38
196+95.400	4.12	16.56	16.56	2.34	5.84	14153.98	14153.98	3542.88	10611.11
197+00.000	4.24	0.71	0.71	2.05	0.37	14154.69	14154.69	3543.25	10611.44
198+00.000	4.80	16.74	16.74	0.89	5.44	14171.44	14171.44	3548.69	10622.75
199+00.000	2.92	14.30	14.30	4.25	9.53	14185.74	14185.74	3558.21	10627.52
200+00.000	8.28	20.73	20.73	1.96	11.50	14206.47	14206.47	3569.71	10636.76
201+00.000	21.06	54.34	54.34	1.14	5.72	14260.80	14260.80	3575.43	10685.37
202+00.000	8.29	54.36	54.36	3.38	8.36	14315.16	14315.16	3583.80	10731.37
203+00.000	7.63	29.48	29.48	4.40	14.42	14344.65	14344.65	3598.21	10746.43
204+00.000	19.65	50.52	50.52	2.29	12.40	14395.16	14395.16	3610.61	10784.55
205+00.000	26.08	84.68	84.68	1.74	7.47	14479.84	14479.84	3618.08	10861.76
206+00.000	26.42	97.21	97.21	1.54	6.08	14577.05	14577.05	3624.16	10952.89
207+00.000	26.30	97.63	97.63	2.43	7.36	14674.67	14674.67	3631.52	11043.15
208+00.000	14.79	76.08	76.08	8.53	20.31	14750.76	14750.76	3651.83	11098.93
209+00.000	30.10	83.13	83.13	4.54	24.21	14833.88	14833.88	3676.04	11157.84
210+00.000	11.53	77.10	77.10	4.08	15.96	14910.98	14910.98	3692.00	11218.98
211+00.000	20.69	59.67	59.67	2.75	12.65	14970.66	14970.66	3704.66	11266.00
212+00.000	32.68	98.84	98.84	1.01	6.97	15069.50	15069.50	3711.62	11357.88
213+00.000	28.59	113.47	113.47	0.30	2.43	15182.98	15182.98	3714.05	11468.92

214+00.000	30.21	108.90	108.90	0.79	2.03	15291.87	15291.87	3716.08	11575.79
215+00.000	21.73	96.18	96.18	3.67	8.26	15388.05	15388.05	3724.34	11663.70
216+00.000	41.85	117.74	117.74	0.59	7.88	15505.79	15505.79	3732.23	11773.56
216+64.901	36.37	94.01	94.01	1.48	2.49	15599.81	15599.81	3734.72	11865.09
217+00.000	43.23	51.74	51.74	0.66	1.39	15651.55	15651.55	3736.11	11915.44
217+16.129	40.42	24.99	24.99	1.27	0.58	15676.53	15676.53	3736.68	11939.85
217+67.357	23.67	60.80	60.80	7.69	8.50	15737.33	15737.33	3745.19	11992.14
218+00.000	24.03	28.83	28.83	7.42	9.14	15766.16	15766.16	3754.32	12011.84
218+13.468	24.47	12.10	12.10	7.34	3.68	15778.26	15778.26	3758.01	12020.25
218+62.129	34.53	53.17	53.17	6.83	12.77	15831.43	15831.43	3770.77	12060.66
219+00.000	30.58	45.66	45.66	6.88	9.61	15877.09	15877.09	3780.38	12096.71
219+87.361	49.26	129.17	129.17	7.59	23.41	16006.26	16006.26	3803.79	12202.47
220+00.000	23.66	17.07	17.07	7.70	3.58	16023.32	16023.32	3807.37	12215.96
221+00.000	15.63	72.76	72.76	16.08	44.04	16096.08	16096.08	3851.41	12244.67
221+12.593	16.20	7.42	7.42	14.59	7.15	16103.50	16103.50	3858.56	12244.94
221+61.255	9.67	23.32	23.32	5.38	18.00	16126.82	16126.82	3876.57	12250.25
222+00.000	1.67	8.14	8.14	11.60	12.18	16134.96	16134.96	3888.75	12246.21
222+07.365	1.57	0.44	0.44	12.13	3.24	16135.40	16135.40	3891.99	12243.42
222+58.593	0.53	1.99	1.99	9.52	20.54	16137.39	16137.39	3912.53	12224.86
223+00.000	20.81	16.37	16.37	0.88	7.97	16153.76	16153.76	3920.50	12233.25
223+09.821	22.32	7.84	7.84	1.48	0.43	16161.60	16161.60	3920.93	12240.67
224+00.000	20.77	71.95	71.95	2.61	6.83	16233.56	16233.56	3927.77	12305.79
225+00.000	40.02	112.57	112.57	0.22	5.25	16346.13	16346.13	3933.02	12413.11
226+00.000	41.24	150.48	150.48	0.00	0.41	16496.61	16496.61	3933.43	12563.18
227+00.000	29.17	130.38	130.38	0.70	1.30	16626.99	16626.99	3934.73	12692.26
228+00.000	44.69	136.77	136.77	0.00	1.30	16763.76	16763.76	3936.03	12827.73
229+00.000	26.49	131.81	131.81	0.05	0.08	16895.57	16895.57	3936.11	12959.46
230+00.000	44.51	131.49	131.49	0.33	0.69	17027.06	17027.06	3936.81	13090.26
231+00.000	39.83	156.19	156.19	0.63	1.79	17183.25	17183.25	3938.59	13244.66
232+00.000	41.60	150.79	150.79	0.84	2.73	17334.04	17334.04	3941.32	13392.72
233+00.000	28.67	130.12	130.12	2.15	5.53	17464.15	17464.15	3946.85	13517.30
234+00.000	64.38	172.31	172.31	5.78	14.69	17636.46	17636.46	3961.54	13674.92
235+00.000	42.26	197.48	197.48	9.39	28.10	17833.94	17833.94	3989.64	13844.31
236+00.000	32.77	138.94	138.94	0.63	18.55	17972.88	17972.88	4008.19	13964.69
236+43.058	30.17	50.19	50.19	0.03	0.53	18023.07	18023.07	4008.72	14014.35
236+94.258	9.12	37.25	37.25	8.65	8.23	18060.32	18060.32	4016.95	14043.37
237+00.000	7.88	1.81	1.81	9.82	1.96	18062.13	18062.13	4018.92	14043.21
237+45.458	6.45	12.07	12.07	9.02	15.87	18074.20	18074.20	4034.78	14039.41
237+79.596	10.48	10.71	10.71	11.48	12.96	18084.90	18084.90	4047.75	14037.16
238+00.000	7.31	6.72	6.72	17.88	11.10	18091.63	18091.63	4058.84	14032.78
238+22.258	15.20	9.28	9.28	32.16	20.63	18100.91	18100.91	4079.47	14021.44
239+00.000	8.53	34.16	34.16	7.84	57.58	18135.07	18135.07	4137.05	13998.01

240+00.000	0.00	15.79	15.79	0.00	14.51	18150.86	18150.86	4151.57	13999.29
240+24.867	1.38	0.64	0.64	27.12	12.49	18151.50	18151.50	4164.06	13987.44
241+00.000	6.67	11.20	11.20	11.75	54.08	18162.70	18162.70	4218.14	13944.56
242+00.000	40.81	87.93	87.93	27.96	73.54	18250.63	18250.63	4291.68	13958.95
242+27.475	4.33	22.97	22.97	49.52	39.42	18273.59	18273.59	4331.10	13942.49
242+70.137	4.22	6.75	6.75	45.92	75.40	18280.35	18280.35	4406.51	13873.84
243+00.000	2.13	3.51	3.51	44.53	50.02	18283.86	18283.86	4456.53	13827.33
243+04.275	1.95	0.32	0.32	44.13	7.02	18284.18	18284.18	4463.55	13820.64
243+55.475	1.75	3.52	3.52	29.55	69.86	18287.70	18287.70	4533.41	13754.29
244+00.000	3.26	4.13	4.13	14.72	36.50	18291.83	18291.83	4569.91	13721.92
244+06.675	3.61	0.85	0.85	12.75	3.40	18292.68	18292.68	4573.31	13719.37
245+00.000	25.12	49.66	49.66	5.15	30.94	18342.34	18342.34	4604.24	13738.10
246+00.000	7.75	60.88	60.88	3.32	15.68	18403.22	18403.22	4619.93	13783.29
247+00.000	52.01	110.66	110.66	0.06	6.27	18513.88	18513.88	4626.19	13887.69
248+00.000	41.70	173.54	173.54	0.04	0.19	18687.41	18687.41	4626.38	14061.03
249+00.000	18.21	110.95	110.95	3.31	6.21	18798.36	18798.36	4632.59	14165.77
250+00.000	36.51	101.34	101.34	1.14	8.24	18899.70	18899.70	4640.83	14258.87
251+00.000	32.88	128.51	128.51	4.01	9.54	19028.21	19028.21	4650.37	14377.84
252+00.000	10.07	79.54	79.54	3.66	14.20	19107.76	19107.76	4664.58	14443.18
253+00.000	31.02	76.10	76.10	0.65	7.98	19183.85	19183.85	4672.56	14511.29
254+00.000	9.77	75.54	75.54	2.93	6.63	19259.39	19259.39	4679.19	14580.19
255+00.000	20.87	56.73	56.73	1.33	7.90	19316.12	19316.12	4687.09	14629.03
255+29.345	25.43	25.16	25.16	1.66	1.63	19341.28	19341.28	4688.72	14652.56
256+00.000	40.92	86.81	86.81	1.43	4.05	19428.09	19428.09	4692.76	14735.33
256+86.357	42.47	133.37	133.37	0.28	2.73	19561.46	19561.46	4695.49	14865.97
257+00.000	41.20	21.14	21.14	1.67	0.49	19582.60	19582.60	4695.98	14886.61
258+00.000	52.29	173.14	173.14	0.65	4.31	19755.74	19755.74	4700.30	15055.45
258+43.370	62.02	91.81	91.81	0.64	1.04	19847.56	19847.56	4701.34	15146.22
259+00.000	62.70	130.80	130.80	0.94	1.66	19978.36	19978.36	4703.00	15275.36
260+00.000	45.82	200.97	200.97	0.68	3.00	20179.33	20179.33	4706.00	15473.32
261+00.000	45.06	168.31	168.31	2.59	6.07	20347.64	20347.64	4712.07	15635.57
262+00.000	0.73	84.81	84.81	6.20	16.28	20432.45	20432.45	4728.35	15704.10
263+00.000	19.40	37.28	37.28	2.07	15.32	20469.73	20469.73	4743.67	15726.07
264+00.000	50.22	128.91	128.91	0.14	4.11	20598.65	20598.65	4747.77	15850.87
265+00.000	21.09	132.05	132.05	2.41	4.72	20730.69	20730.69	4752.49	15978.20
266+00.000	32.24	98.76	98.76	0.86	6.05	20829.45	20829.45	4758.54	16070.91
267+00.000	51.62	155.30	155.30	0.04	1.67	20984.75	20984.75	4760.21	16224.54
268+00.000	46.08	180.93	180.93	5.17	9.66	21165.68	21165.68	4769.86	16395.82
269+00.000	46.73	171.88	171.88	2.34	13.92	21337.56	21337.56	4783.78	16553.78
270+00.000	47.23	174.00	174.00	1.13	6.44	21511.56	21511.56	4790.22	16721.34
271+00.000	30.61	144.14	144.14	3.44	8.46	21655.70	21655.70	4798.68	16857.02
272+00.000	28.89	110.18	110.18	4.05	13.87	21765.89	21765.89	4812.55	16953.33

273+00.000	25.53	100.78	100.78	2.63	12.38	21866.66	21866.66	4824.94	17041.73
274+00.000	56.93	152.71	152.71	0.00	4.88	22019.37	22019.37	4829.82	17189.56
275+00.000	79.75	253.11	253.11	0.00	0.00	22272.49	22272.49	4829.82	17442.67
276+00.000	48.97	238.36	238.36	0.98	1.82	22510.84	22510.84	4831.64	17679.20
277+00.000	17.67	123.40	123.40	0.95	3.58	22634.24	22634.24	4835.22	17799.02
278+00.000	20.09	69.92	69.92	3.13	7.55	22704.16	22704.16	4842.77	17861.38
279+00.000	30.93	94.49	94.49	0.29	6.34	22798.64	22798.64	4849.11	17949.53
279+10.505	45.56	14.88	14.88	0.04	0.06	22813.52	22813.52	4849.18	17964.35
280+00.000	27.31	120.77	120.77	3.26	5.47	22934.30	22934.30	4854.65	18079.65
281+00.000	29.38	105.00	105.00	0.00	6.04	23039.29	23039.29	4860.69	18178.60
282+00.000	22.79	96.63	96.63	0.01	0.02	23135.92	23135.92	4860.71	18275.21
283+00.000	27.29	92.75	92.75	2.14	3.98	23228.67	23228.67	4864.69	18363.98
284+00.000	22.56	92.32	92.32	0.00	3.96	23320.99	23320.99	4868.65	18452.34
285+00.000	21.96	82.44	82.44	1.31	2.44	23403.43	23403.43	4871.09	18532.34
286+00.000	2.54	45.36	45.36	2.67	7.38	23448.79	23448.79	4878.47	18570.32
287+00.000	21.64	44.78	44.78	3.92	12.20	23493.56	23493.56	4890.67	18602.89
288+00.000	15.28	68.38	68.38	0.99	9.08	23561.94	23561.94	4899.76	18662.18
289+00.000	14.43	55.01	55.01	5.91	12.77	23616.95	23616.95	4912.53	18704.42
290+00.000	15.83	56.03	56.03	4.82	19.87	23672.98	23672.98	4932.40	18740.59
291+00.000	6.51	41.36	41.36	6.44	20.85	23714.35	23714.35	4953.25	18761.10
292+00.000	14.34	38.60	38.60	2.38	16.33	23752.94	23752.94	4969.58	18783.36
293+00.000	53.43	125.49	125.49	0.32	5.00	23878.43	23878.43	4974.58	18903.85
294+00.000	66.36	221.83	221.83	0.00	0.60	24100.26	24100.26	4975.18	19125.08
295+00.000	7.35	136.50	136.50	7.96	14.75	24236.76	24236.76	4989.92	19246.83
296+00.000	1.32	16.05	16.05	18.95	49.84	24252.81	24252.81	5039.76	19213.04
297+00.000	2.81	7.64	7.64	13.54	60.17	24260.45	24260.45	5099.93	19160.52
298+00.000	2.53	9.88	9.88	19.15	60.54	24270.33	24270.33	5160.47	19109.85
299+00.000	198.15	371.62	371.62	22.98	78.03	24641.95	24641.95	5238.50	19403.45
300+00.000	1.74	370.17	370.17	27.18	92.89	25012.12	25012.12	5331.39	19680.73
301+00.000	16.64	34.04	34.04	19.46	86.37	25046.15	25046.15	5417.76	19628.39
302+00.000	1.91	34.35	34.35	15.46	64.66	25080.50	25080.50	5482.43	19598.08
303+00.000	2.61	8.37	8.37	5.76	39.29	25088.87	25088.87	5521.72	19567.15
304+00.000	0.49	5.74	5.74	8.25	25.94	25094.61	25094.61	5547.66	19546.95
305+00.000	2.29	5.15	5.15	8.50	31.01	25099.77	25099.77	5578.67	19521.09
306+00.000	26.95	54.15	54.15	1.29	18.13	25153.91	25153.91	5596.80	19557.11
307+00.000	21.75	90.19	90.19	0.47	3.27	25244.10	25244.10	5600.07	19644.03
308+00.000	37.18	109.14	109.14	0.94	2.61	25353.24	25353.24	5602.68	19750.55
309+00.000	30.97	126.21	126.21	0.16	2.04	25479.45	25479.45	5604.72	19874.73
310+00.000	37.23	126.29	126.29	0.07	0.43	25605.74	25605.74	5605.15	20000.59
311+00.000	22.75	111.07	111.07	0.27	0.63	25716.81	25716.81	5605.78	20111.03
312+00.000	17.72	74.95	74.95	0.77	1.92	25791.76	25791.76	5607.70	20184.06
313+00.000	9.57	50.55	50.55	8.75	17.63	25842.32	25842.32	5625.33	20216.99

314+00.000	9.07	34.52	34.52	8.79	32.49	25876.84	25876.84	5657.82	20219.02
314+49.881	9.33	17.00	17.00	3.66	11.51	25893.84	25893.84	5669.33	20224.51
315+00.000	1.11	9.69	9.69	4.28	7.37	25903.53	25903.53	5676.71	20226.83
315+00.881	3.49	0.08	0.08	4.11	0.14	25903.61	25903.61	5676.84	20226.76
315+51.881	1.35	4.58	4.58	11.34	14.60	25908.18	25908.18	5691.44	20216.74
315+68.884	0.11	0.46	0.46	10.94	7.02	25908.64	25908.64	5698.46	20210.19
316+00.000	1.03	0.66	0.66	9.86	11.99	25909.30	25909.30	5710.44	20198.86
316+02.881	1.31	0.12	0.12	10.32	1.08	25909.42	25909.42	5711.52	20197.90
317+00.000	4.01	9.56	9.56	4.04	25.82	25918.98	25918.98	5737.34	20181.64
318+00.000	1.13	9.52	9.52	8.62	23.44	25928.50	25928.50	5760.79	20167.72
319+00.000	6.82	14.72	14.72	8.05	30.87	25943.22	25943.22	5791.66	20151.56
320+00.000	9.06	29.40	29.40	11.88	36.91	25972.62	25972.62	5828.56	20144.06
321+00.000	22.59	58.62	58.62	3.44	28.39	26031.25	26031.25	5856.95	20174.29
322+00.000	13.81	67.42	67.42	4.51	14.72	26098.67	26098.67	5871.68	20226.99
323+00.000	2.82	30.81	30.81	6.50	20.39	26129.48	26129.48	5892.06	20237.41
324+00.000	15.51	33.96	33.96	2.88	17.38	26163.44	26163.44	5909.44	20253.99
325+00.000	18.18	62.40	62.40	3.50	11.82	26225.84	26225.84	5921.26	20304.57
326+00.000	24.84	79.67	79.67	4.70	15.19	26305.51	26305.51	5936.45	20369.06
327+00.000	6.82	58.63	58.63	9.68	26.64	26364.14	26364.14	5963.08	20401.06
328+00.000	12.16	35.15	35.15	16.99	49.40	26399.29	26399.29	6012.49	20386.81
329+00.000	9.40	39.93	39.93	14.03	57.44	26439.22	26439.22	6069.93	20369.29
329+43.488	5.79	12.24	12.24	12.02	20.98	26451.46	26451.46	6090.91	20360.55
330+00.000	9.44	15.94	15.94	11.35	24.46	26467.40	26467.40	6115.37	20352.03
331+00.000	10.40	36.74	36.74	9.72	39.02	26504.14	26504.14	6154.38	20349.76
332+00.000	4.64	27.85	27.85	11.44	39.18	26531.99	26531.99	6193.57	20338.42
333+00.000	0.83	10.14	10.14	13.89	46.90	26542.12	26542.12	6240.47	20301.65
334+00.000	1.03	3.46	3.46	11.07	46.21	26545.58	26545.58	6286.68	20258.90
335+00.000	9.21	18.97	18.97	26.46	69.50	26564.55	26564.55	6356.18	20208.37
336+00.000	1.48	19.80	19.80	7.78	63.41	26584.35	26584.35	6419.59	20164.75
337+00.000	9.02	19.44	19.44	6.08	25.66	26603.78	26603.78	6445.25	20158.53
338+00.000	8.43	32.32	32.32	9.89	29.57	26636.11	26636.11	6474.83	20161.28
339+00.000	9.31	32.85	32.85	6.82	30.94	26668.96	26668.96	6505.77	20163.19
340+00.000	6.92	30.05	30.05	7.51	26.54	26699.01	26699.01	6532.31	20166.70
341+00.000	3.16	18.67	18.67	5.67	24.40	26717.68	26717.68	6556.71	20160.97
342+00.000	3.58	12.48	12.48	10.94	30.75	26730.16	26730.16	6587.46	20142.70
342+84.095	3.44	10.92	10.92	20.09	48.32	26741.09	26741.09	6635.78	20105.31
343+00.000	1.20	1.36	1.36	21.55	12.26	26742.45	26742.45	6648.04	20094.41
343+18.092	0.22	0.47	0.47	24.73	15.51	26742.93	26742.93	6663.55	20079.38
343+35.095	0.04	0.08	0.08	29.01	16.92	26743.01	26743.01	6680.47	20062.54
343+86.095	0.16	0.19	0.19	20.93	47.16	26743.20	26743.20	6727.63	20015.57
344+00.000	0.56	0.18	0.18	18.46	10.14	26743.38	26743.38	6737.77	20005.61
344+37.095	4.32	3.35	3.35	5.35	16.35	26746.74	26746.74	6754.13	19992.61

345+00.000	0.01	5.05	5.05	10.67	18.66	26751.79	26751.79	6772.79	19979.00
346+00.000	10.73	19.90	19.90	3.67	26.55	26771.69	26771.69	6799.34	19972.35
347+00.000	10.29	38.92	38.92	2.05	10.58	26810.61	26810.61	6809.92	20000.69
348+00.000	3.40	25.34	25.34	2.52	8.47	26835.95	26835.95	6818.39	20017.56
349+00.000	4.50	14.63	14.63	1.63	7.69	26850.58	26850.58	6826.08	20024.50
350+00.000	5.61	18.72	18.72	2.09	6.88	26869.30	26869.30	6832.96	20036.34
351+00.000	8.43	25.99	25.99	2.47	8.44	26895.29	26895.29	6841.40	20053.89
352+00.000	9.04	32.34	32.34	2.13	8.52	26927.63	26927.63	6849.92	20077.71
353+00.000	7.84	31.26	31.26	0.42	4.72	26958.89	26958.89	6854.64	20104.25
354+00.000	4.39	22.65	22.65	1.02	2.67	26981.54	26981.54	6857.31	20124.23
355+00.000	6.40	19.98	19.98	6.57	14.06	27001.52	27001.52	6871.37	20130.15
356+00.000	11.61	33.34	33.34	6.39	24.01	27034.86	27034.86	6895.37	20139.49
357+00.000	16.76	52.53	52.53	3.40	18.14	27087.40	27087.40	6913.51	20173.89
358+00.000	8.06	45.96	45.96	2.14	10.26	27133.36	27133.36	6923.77	20209.59
359+00.000	5.56	25.21	25.21	2.46	8.53	27158.58	27158.58	6932.30	20226.27
360+00.000	17.08	41.91	41.91	6.07	15.80	27200.49	27200.49	6948.11	20252.38
361+00.000	19.49	67.72	67.72	7.79	25.67	27268.21	27268.21	6973.78	20294.43
362+00.000	11.57	57.51	57.51	4.16	22.14	27325.72	27325.72	6995.92	20329.79
363+00.000	5.09	30.84	30.84	13.36	32.45	27356.56	27356.56	7028.38	20328.18
364+00.000	0.01	9.45	9.45	16.22	54.77	27366.02	27366.02	7083.15	20282.87
365+00.000	1.58	2.96	2.96	4.29	37.98	27368.98	27368.98	7121.13	20247.85
366+00.000	1.60	5.89	5.89	5.51	18.15	27374.87	27374.87	7139.28	20235.58
367+00.000	1.48	5.69	5.69	5.22	19.87	27380.56	27380.56	7159.16	20221.40
368+00.000	0.08	2.89	2.89	16.17	39.63	27383.44	27383.44	7198.78	20184.66
369+00.000	1.98	3.81	3.81	5.27	39.72	27387.25	27387.25	7238.50	20148.75
370+00.000	0.38	4.37	4.37	6.41	21.63	27391.62	27391.62	7260.14	20131.48
371+00.000	2.78	5.86	5.86	10.79	31.84	27397.47	27397.47	7291.98	20105.49
372+00.000	2.99	10.68	10.68	12.26	42.69	27408.15	27408.15	7334.67	20073.49
373+00.000	3.96	12.87	12.87	7.53	36.65	27421.02	27421.02	7371.32	20049.71
374+00.000	8.05	22.24	22.24	2.54	18.65	27443.26	27443.26	7389.97	20053.29
375+00.000	5.37	24.84	24.84	11.71	26.39	27468.10	27468.10	7416.36	20051.74
376+00.000	0.54	10.94	10.94	8.10	36.68	27479.04	27479.04	7453.03	20026.01
377+00.000	5.01	10.29	10.29	6.65	27.31	27489.33	27489.33	7480.35	20008.99
378+00.000	11.03	29.72	29.72	1.63	15.34	27519.05	27519.05	7495.69	20023.37
378+24.191	21.96	14.78	14.78	11.02	5.67	27533.83	27533.83	7501.35	20032.48
379+00.000	31.51	75.07	75.07	1.74	17.91	27608.91	27608.91	7519.27	20089.64
380+00.000	20.95	97.16	97.16	1.48	5.98	27706.07	27706.07	7525.24	20180.83
381+00.000	16.81	69.93	69.93	0.25	3.21	27776.00	27776.00	7528.46	20247.54
382+00.000	12.83	54.89	54.89	0.25	0.93	27830.89	27830.89	7529.38	20301.50
383+00.000	14.11	49.90	49.90	0.40	1.20	27880.78	27880.78	7530.59	20350.19
384+00.000	14.11	52.27	52.27	0.75	2.13	27933.05	27933.05	7532.71	20400.33
384+23.768	13.21	12.03	12.03	0.26	0.44	27945.07	27945.07	7533.16	20411.92

385+00.000	13.45	37.64	37.64	0.12	0.53	27982.71	27982.71	7533.68	20449.03
386+00.000	24.01	69.37	69.37	11.23	21.01	28052.09	28052.09	7554.69	20497.40
387+00.000	19.41	80.40	80.40	0.16	21.09	28132.49	28132.49	7575.78	20556.71
388+00.000	14.95	63.63	63.63	0.25	0.76	28196.11	28196.11	7576.54	20619.57
389+00.000	18.60	62.12	62.12	0.00	0.46	28258.24	28258.24	7577.00	20681.24
390+00.000	20.42	72.24	72.24	0.00	0.00	28330.48	28330.48	7577.00	20753.49
391+00.000	19.17	73.30	73.30	0.00	0.00	28403.79	28403.79	7577.00	20826.79
392+00.000	47.02	122.57	122.57	0.14	0.26	28526.35	28526.35	7577.26	20949.09
393+00.000	45.46	171.25	171.25	0.48	1.15	28697.61	28697.61	7578.40	21119.20
394+00.000	65.14	204.80	204.80	0.02	0.92	28902.41	28902.41	7579.32	21323.09
395+00.000	78.83	266.61	266.61	6.90	12.81	29169.02	29169.02	7592.13	21576.89
396+00.000	54.89	247.63	247.63	0.62	13.92	29416.65	29416.65	7606.05	21810.60
396+32.431	53.33	64.99	64.99	2.76	2.03	29481.64	29481.64	7608.08	21873.57

Attachment E

Photos







FRIENDSHIP
N7733













FRIENDSHIP
N8162

FRIENDSHIP
N8164









N8409

FRIENDSHIP
N8405







FRIENDSHIP
N8419

The Rep



FRIENDSHIP
N8785

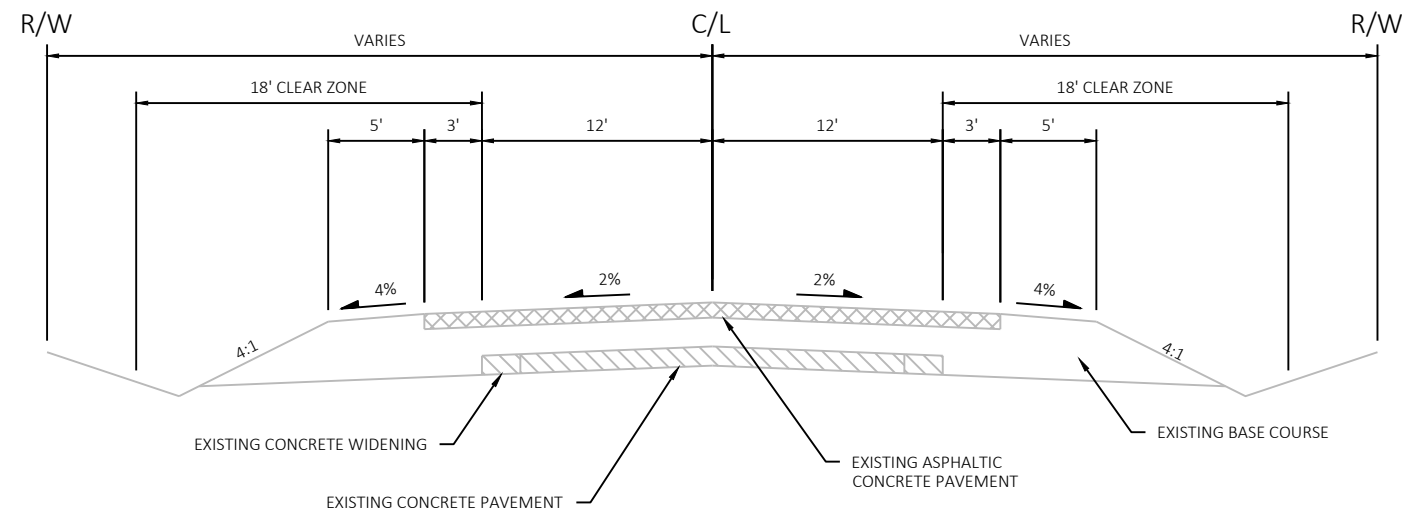
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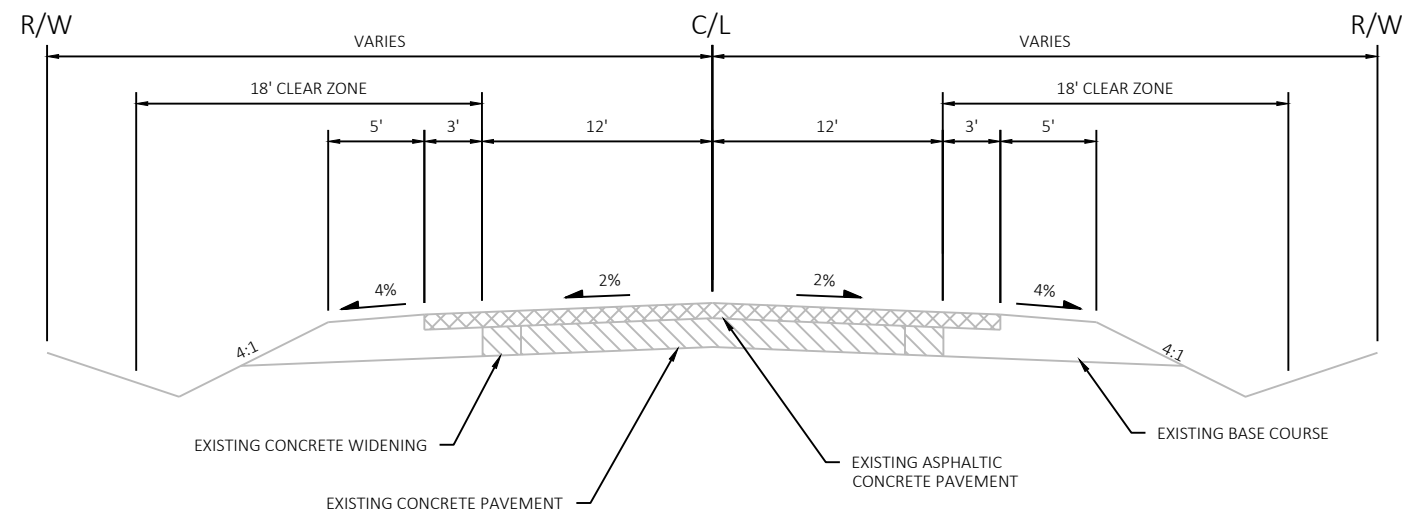
Attachment F

Typical Sections



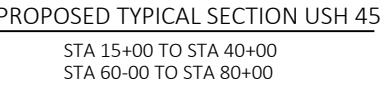
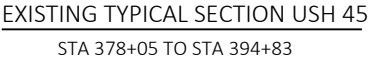
EXISTING TYPICAL SECTION USH 45

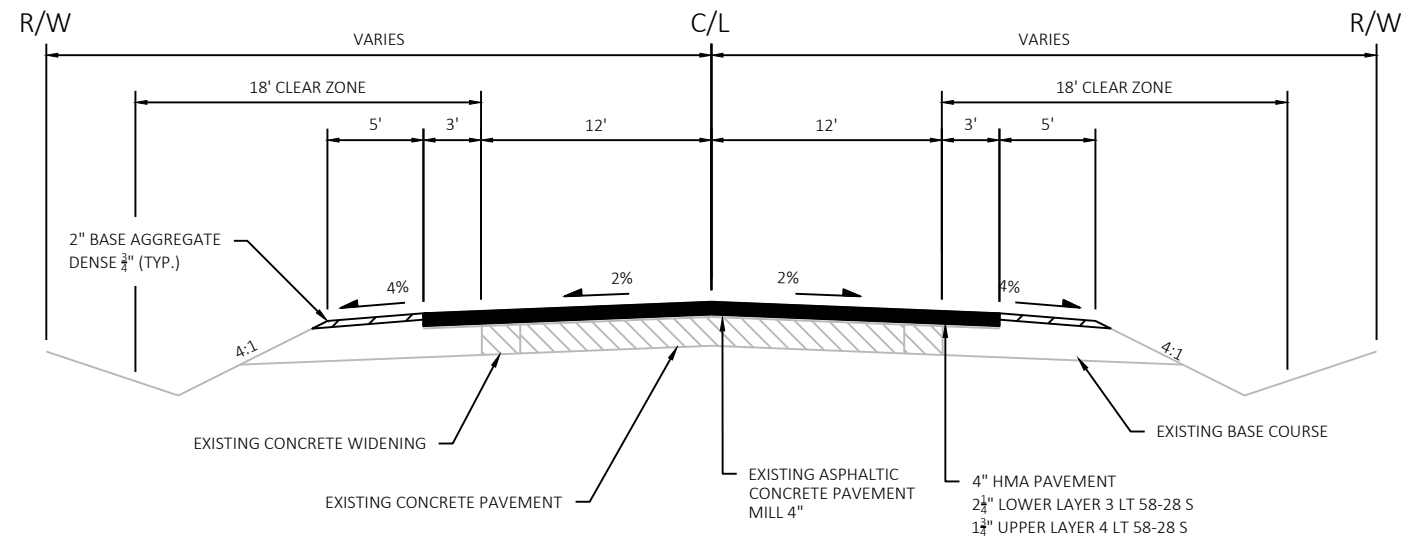
STA 15+00 TO STA 40+00
STA 60+00 TO STA 80+00



EXISTING TYPICAL SECTION USH 45

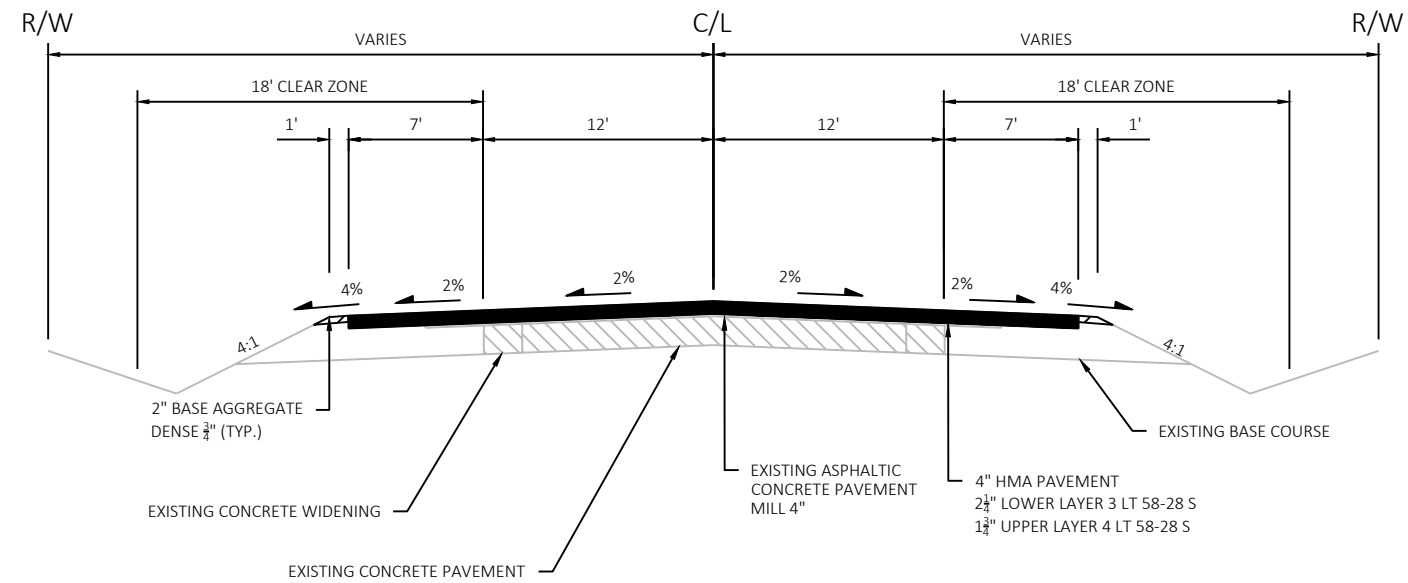
STA 1+36.25 TO STA 15+00
STA 40+00 TO STA 60+00
STA 80+00 TO STA 378+05





PROPOSED TYPICAL SECTION USH 45

STA 1+36.25 TO STA 15+00
STA 40+00 TO STA 60+00
STA 80+00 TO STA 378+05



PROPOSED TYPICAL SECTION USH 45

STA 378+05 TO STA 394+83